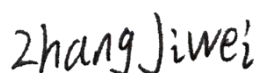


# TEST REPORT

**Applicant:** Xiaomi Communications Co., Ltd.  
**Address:** #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road,  
Haidian District, Beijing, China, 100085  
**Equipment Type:** Mobile Phone  
**Model Name:** 24115RA8EG  
**Brand Name:** Redmi  
**FCC ID:** 2AFZZRA8E  
**Test Standard:** FCC 47 CFR Part 2.1093  
(refer to section 3.1)  
**Maximum SAR:** Head (1 g@0mm): 1.08 W/kg  
Body-worn (1 g@15mm): 1.08 W/kg  
Hotspot (1 g@10mm): 0.98 W/kg  
Specific (10 g@0mm): 2.54 W/kg  
**Sample Arrival Date:** Aug. 13, 2024  
**Test Date:** Aug. 14, 2024- Sep. 15, 2024  
**Date of Issue:** Sep. 20, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Zhang Jiwei**Checked by:** Xu Rui**Approved by:** Tolan Tu  
(Testing Director)

**Revision History**

| Version        | Issue Date           | Revisions Content    |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Sep. 20, 2024</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

|              |                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| Name         | Shenzhen BALUN Technology Co., Ltd.                                                                                          |
| Address      | Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Phone Number | +86 755 6685 0100                                                                                                            |

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                |
| Location                  | <input type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                              |
|                           | <input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.                                                                                                   |

## 1.3 Test Environment Condition

|                           |              |
|---------------------------|--------------|
| Ambient Temperature       | 18°C to 25°C |
| Ambient Relative Humidity | 30% to 70%   |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------|
| Applicant | Xiaomi Communications Co., Ltd.                                                               |
| Address   | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |

### 2.2 Manufacturer Information

|              |                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------|
| Manufacturer | Xiaomi Communications Co., Ltd.                                                               |
| Address      | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |

### 2.3 General Description for Equipment under Test (EUT)

|                                                                                                                                                                                                         |                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| EUT Name                                                                                                                                                                                                | Mobile Phone                                      |
| Model Name Under Test                                                                                                                                                                                   | 24115RA8EG                                        |
| Series Model Name                                                                                                                                                                                       | N/A                                               |
| Description of Model name differentiation                                                                                                                                                               | N/A                                               |
| Hardware Version                                                                                                                                                                                        | N/A                                               |
| Software Version                                                                                                                                                                                        | N/A                                               |
| Dimensions (Approx.)                                                                                                                                                                                    | N/A                                               |
| Weight (Approx.)                                                                                                                                                                                        | N/A                                               |
| EUT ID                                                                                                                                                                                                  | S46, S53, S35, S45, S52, S54, S55                 |
| IMEI Number                                                                                                                                                                                             | S46: IMEI1:863541070061204, IMEI2:863541070061212 |
|                                                                                                                                                                                                         | S53: IMEI1:863541070055305, IMEI2:863541070055313 |
|                                                                                                                                                                                                         | S35: IMEI1:863541070077788, IMEI2:863541070077796 |
|                                                                                                                                                                                                         | S45: IMEI1:863541070064547, IMEI2:863541070064554 |
|                                                                                                                                                                                                         | S52: IMEI1:863541070055461, IMEI2:863541070055479 |
|                                                                                                                                                                                                         | S54: IMEI1:863541070055529, IMEI2:863541070055537 |
|                                                                                                                                                                                                         | S55: IMEI1:863541070054902, IMEI2:863541070054910 |
| Note1: EUT ID is used to identify the test sample in the lab internally.                                                                                                                                |                                                   |
| Note2: It is performed to test SAR with the EUT S35, S45, S52, S54, S55 and conducted power with the EUT S46 & S53.                                                                                     |                                                   |
| Note3: The product supports alternative RF components, the full test was performed with main components. And used replacement component's EUT(EUT S35) to verify SAR in the main components worst case. |                                                   |

### 2.4 Ancillary Equipment

Please refer the document "BL-SZ2470686-AW EUT external photo.pdf".

## 2.5 Technical Information

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity                                                                                                                                                                                                                              | <p>2G Network GSM/GPRS/EDGE 850/900/1800/1900</p> <p>3G Network WCDMA/HSDPA/HSUPA Band 1/2/4/5/8</p> <p>4G Network FDD LTE Band 1/2/3/4/5/7/8/12/13/17/20/26/28/32/66</p> <p>TDD LTE Band 38/40/41/42/48</p> <p>LTE CA Uplink (UL): CA_3C, CA_7C, CA_38C, CA_40C, CA_1A-3A, CA_1A-7A, CA_1A-8A, CA_1A-20A, CA_3A-7A, CA_3A-20A, CA_7A-20A, CA_7A-28A, CA_2A-4A, CA_4A-5A, CA_4A-7A</p> <p>LTE CA Downlink (DL): CA_20A-32A</p> <p>5G Network</p> <p>SA: NR n1/n2/n3/n5/n7/n8/n12/n20/n26/n28/n38/n40/n41/n48/n66/n77/n78</p> <p>NSA(EN-DC): DC_20A_n1A, DC_28A_n1A, DC_3A_n1A, DC_7A_n1A, DC_8A_n1A, DC_40A_n1A, DC_5A_n1A, DC_42A_n1A, DC_1A_n3A, DC_20A_n3A, DC_7A_n3A, DC_8A_n3A, DC_5A_n3A, DC_28A_n3A, DC_1A_n7A, DC_3A_n7A, DC_5A_n7A, DC_20A_n7A, DC_28A_n7A, DC_1A_n8A, DC_7A_n8A, DC_1A_n20A, DC_3A_n20A, DC_7A_n20A, DC_1A_n28A, DC_3A_n28A, DC_7A_n28A, DC_20A_n28A, DC_41A_n28A, DC_1A_n38A, DC_3A_n38A, DC_8A_n38A, DC_20A_n38A, DC_28A_n38A, DC_1A_n40A, DC_3A_n40A, DC_5A_n40A, DC_8A_n40A, DC_28A_n40A, DC_1A_n41A, DC_3A_n41A, DC_8A_n41A, DC_20A_n41A, DC_28A_n41A, DC_1A_n77A, DC_3A_n77A, DC_8A_n77A, DC_28A_n77A, DC_40A_n77A, DC_1A_n78A, DC_3A_n78A, DC_5A_n78A, DC_7A_n78A, DC_8A_n78A, DC_20A_n78A, DC_28A_n78A, DC_38A_n78A, DC_40A_n78A, DC_41A_n78A, DC_26A_n78A, DC_2A_n78A, DC_4A_n78A, DC_66A_n78A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_7A_n5A, DC_2A_n77A, DC_4A_n41A, DC_66A_n41, DC_66A_n38A, DC_4A_n38A, DC_4A_n7A, DC_66A_n7A</p> <p>Bluetooth (BR+EDR+BLE)</p> <p>WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and 802.11ax(HE20/40/80/160)</p> <p>GPS, GLONASS, Galileo, BDS, QZSS, NFC</p> |
| <p>Note:</p> <p>The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

The requirement for the following technical information of the EUT was tested in this report:

| Operating Mode  | GSM, WCDMA, LTE, NR, 2.4G WIFI, 5G WIFI, Bluetooth |                     |                     |
|-----------------|----------------------------------------------------|---------------------|---------------------|
| Frequency Range | GSM 850                                            | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|                 | GSM 1900                                           | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | WCDMA Band 2                                       | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | WCDMA Band 4                                       | TX: 1710 ~ 1755 MHz | RX: 2110 ~ 2155 MHz |

|                                                                |                     |                     |
|----------------------------------------------------------------|---------------------|---------------------|
| WCDMA Band 5                                                   | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
| LTE Band 2                                                     | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
| LTE Band 4                                                     | TX: 1710 ~ 1755 MHz | RX: 2110 ~ 2155 MHz |
| LTE Band 5                                                     | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
| LTE Band 7                                                     | TX: 2500 ~ 2570 MHz | RX: 2620 ~ 2690 MHz |
| LTE Band 12                                                    | TX: 699 ~ 716 MHz   | RX: 729 ~ 746 MHz   |
| LTE Band 13                                                    | TX: 777 ~ 787 MHz   | RX: 746 ~ 756 MHz   |
| LTE Band 17                                                    | TX: 704 ~ 716 MHz   | RX: 734 ~ 746 MHz   |
| LTE Band 26                                                    | TX: 814 ~ 824 MHz   | RX: 859 ~ 869 MHz   |
|                                                                | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
| LTE Band 66                                                    | TX: 1710 ~ 1780 MHz | RX: 2110 ~ 2180 MHz |
| LTE Band 38                                                    | TX: 2570 ~ 2620 MHz | RX: 2570 ~ 2620 MHz |
| LTE Band 41                                                    | TX: 2496 ~ 2690 MHz | RX: 2496 ~ 2690 MHz |
| LTE Band 42                                                    | TX: 3450 ~ 3550 MHz | RX: 3450 ~ 3550 MHz |
| LTE Band 48                                                    | TX: 3550 ~ 3700 MHz | RX: 3550 ~ 3700 MHz |
| NR n2                                                          | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
| NR n5                                                          | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
| NR n7                                                          | TX: 2500 ~ 2570 MHz | RX: 2620 ~ 2690 MHz |
| NR n12                                                         | TX: 699 ~ 716 MHz   | RX: 729 ~ 746 MHz   |
| NR n26                                                         | TX: 814 ~ 824 MHz   | RX: 859 ~ 869 MHz   |
|                                                                | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
| NR n38                                                         | TX: 2570 ~ 2620 MHz | RX: 2570 ~ 2620 MHz |
| NR n41                                                         | TX: 2496 ~ 2690 MHz | RX: 2496 ~ 2690 MHz |
| NR n66                                                         | TX: 1710 ~ 1780 MHz | RX: 2110 ~ 2180 MHz |
| NR n48                                                         | TX: 3550 ~ 3700 MHz | RX: 3550 ~ 3700 MHz |
| NR n77                                                         | TX: 3700 ~ 3980MHz  | RX: 3700 ~ 3980MHz  |
| NR n78                                                         | TX: 3700 ~ 3800MHz  | RX: 3700~ 3800MHz   |
| 802.11b/g<br>/n(HT20/HT40)                                     | 2412 ~ 2462 MHz     |                     |
| 802.11ax<br>(HE20/HE40)                                        | 2412 ~ 2462 MHz     |                     |
| 802.11a/<br>/n(HT20/HT40)<br>/ac(VHT20/VHT40<br>/VHT80/VHT160) | 5150 ~ 5250 MHz     |                     |
|                                                                | 5250 ~ 5350 MHz     |                     |
|                                                                | 5470 ~ 5725 MHz     |                     |
|                                                                | 5725 ~ 5850 MHz     |                     |
| 802.11ax<br>(HE20/40/80/160)                                   | 5150 ~ 5250 MHz     |                     |
|                                                                | 5250 ~ 5350 MHz     |                     |
|                                                                | 5470 ~ 5725 MHz     |                     |
|                                                                | 5725 ~ 5850 MHz     |                     |
| 802.11ax<br>(HE20/HE40/HE80<br>/HE160)                         | 5925 ~ 6425 MHz     |                     |
|                                                                | 6425 ~ 6525 MHz     |                     |
|                                                                | 6525 ~ 6875 MHz     |                     |
|                                                                | 6875 ~ 7125 MHz     |                     |
| Bluetooth                                                      | 2402 ~ 2480 MHz     |                     |
| NFC                                                            | 13.56 MHz           |                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------|
| Antenna Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | WWAN: PIFA Antenna<br>WIFI: PIFA Antenna<br>Bluetooth: PIFA Antenna<br>NFC: Coil Antenna |                                              |
| DTM                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                      |                                              |
| Hotspot Function                                                                                                                                                                                                                                                                                                                                                                                                                             | Support                                                                                  |                                              |
| Power Reduction                                                                                                                                                                                                                                                                                                                                                                                                                              | Support                                                                                  |                                              |
| Exposure Category                                                                                                                                                                                                                                                                                                                                                                                                                            | General Population/Uncontrolled exposure                                                 |                                              |
| Product Type                                                                                                                                                                                                                                                                                                                                                                                                                                 | Portable Device                                                                          |                                              |
| EUT Type                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> Production unit                                      | <input type="checkbox"/> Identical prototype |
| <p>Note:</p> <ol style="list-style-type: none"><li>1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions.</li><li>2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions.</li><li>3. The reduction power details please refer section 8.8.</li></ol> |                                                                                          |                                              |

### 3 SUMMARY OF TEST RESULT

#### 3.1 Test Standards

| No. | Identity                 | Document Title                                                                                                                                                                                                                                                                  |
|-----|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2.1093       | Radiofrequency radiation exposure evaluation: portable devices                                                                                                                                                                                                                  |
| 2   | ANSI C95.1-1992          | IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz                                                                                                                                                      |
| 3   | IEEE Std. 1528-2013      | IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques                                                                                                 |
| 4   | KDB 447498 D04 v01       | 447498 D04 Interim General RF Exposure Guidance v01                                                                                                                                                                                                                             |
| 5   | KDB 941225 D01 v03r01    | 3G SAR MEAUREMENT PROCEDURES                                                                                                                                                                                                                                                    |
| 6   | KDB 941225 D05 v02r05    | SAR Evaluation Considerations for LTE Devices                                                                                                                                                                                                                                   |
| 7   | KDB 941225 D05A v01r02   | REL. 10 LTE SAR TEST GUIDANCE AND KDB INQUIRIES                                                                                                                                                                                                                                 |
| 8   | KDB 941225 D06 v02r01    | SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES                                                                                                                                                                                                |
| 9   | KDB 865664 D01 v01r04    | SAR Measurement 100 MHz to 6 GHz                                                                                                                                                                                                                                                |
| 10  | KDB 865664 D02 v01r02    | RF Exposure Reporting                                                                                                                                                                                                                                                           |
| 11  | KDB 648474 D04 v01r03    | SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS                                                                                                                                                                                                                             |
| 12  | KDB 248227 D01 v02r02    | SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS                                                                                                                                                                                                                               |
| 13  | IEC/IEEE 62209-1528:2020 | Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz) |

### 3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

| Body Position                                                                       | SAR Value (W/Kg)                             |                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|
|                                                                                     | General Population/<br>Uncontrolled Exposure | Occupational/<br>Controlled Exposure |
| Whole-Body SAR<br>(averaged over the entire body)                                   | 0.08                                         | 0.4                                  |
| Partial-Body SAR<br>(averaged over any 1 gram of tissue)                            | 1.60                                         | 8.0                                  |
| SAR for hands, wrists, feet and<br>ankles<br>(averaged over any 10 grams of tissue) | 4.0                                          | 20.0                                 |

NOTE:

**General Population/Uncontrolled Exposure:** Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

**Occupational/Controlled Exposure:** Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure. In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

### 3.3 Test Result Summary

#### 3.3.1 Highest SAR Values

| Equipment Class | Band         | Maximum Scaled SAR (W/kg) |                  |                |                | Maximum Report SAR (W/kg) |                  |                |                |
|-----------------|--------------|---------------------------|------------------|----------------|----------------|---------------------------|------------------|----------------|----------------|
|                 |              | Head (0mm)                | Body-worn (15mm) | Hotspot (10mm) | Specific (0mm) | Head (0mm)                | Body-worn (15mm) | Hotspot (10mm) | Specific (0mm) |
|                 |              | 1g SAR                    |                  |                | 10g SAR        | 1g SAR                    |                  |                | 10g SAR        |
| PCE             | GSM 850      | 0.94                      | 0.23             | 0.33           | /              | 1.08                      | 1.08             | 0.98           | 2.54           |
|                 | GSM 1900     | 0.90                      | 0.20             | 0.51           | /              |                           |                  |                |                |
|                 | WCDMA Band 2 | 0.92                      | 0.24             | 0.62           | 2.54           |                           |                  |                |                |
|                 | WCDMA Band 4 | 0.87                      | 0.68             | 0.48           | 1.32           |                           |                  |                |                |
|                 | WCDMA Band 5 | 0.95                      | 0.44             | 0.98           | 2.04           |                           |                  |                |                |
|                 | LTE Band 2   | 1.01                      | 0.40             | 0.46           | 2.25           |                           |                  |                |                |
|                 | LTE Band 4   | 0.95                      | 1.08             | 0.63           | 1.66           |                           |                  |                |                |
|                 | LTE Band 5   | 0.89                      | 0.26             | 0.92           | /              |                           |                  |                |                |
|                 | LTE Band 7   | 1.08                      | 0.65             | 0.46           | 1.84           |                           |                  |                |                |
|                 | LTE Band 12  | 1.05                      | 0.26             | 0.97           | /              |                           |                  |                |                |
|                 | LTE Band 13  | 1.07                      | 0.36             | 0.85           | /              |                           |                  |                |                |
|                 | LTE Band 17  | 1.06                      | 0.27             | 0.97           | /              |                           |                  |                |                |
|                 | LTE Band 26  | 1.08                      | 0.25             | 0.65           | /              |                           |                  |                |                |
|                 | LTE Band 66  | 1.00                      | 0.87             | 0.68           | 2.12           |                           |                  |                |                |
|                 | LTE Band 38  | 0.96                      | 0.57             | 0.66           | 1.64           |                           |                  |                |                |
|                 | LTE Band 41  | 0.97                      | 0.52             | 0.60           | 1.35           |                           |                  |                |                |
|                 | LTE Band 42  | 0.74                      | 0.17             | 0.16           | 0.76           |                           |                  |                |                |
|                 | LTE Band 48  | 0.66                      | 0.20             | 0.25           | /              |                           |                  |                |                |
|                 | n2           | 0.68                      | 0.30             | 0.64           | 2.18           |                           |                  |                |                |
|                 | n5           | 0.79                      | 0.32             | 0.63           | /              |                           |                  |                |                |
|                 | n7           | 0.75                      | 0.74             | 0.60           | 1.51           |                           |                  |                |                |
|                 | n12          | 0.94                      | 0.27             | 0.82           | /              |                           |                  |                |                |
|                 | n26          | 0.78                      | 0.40             | 0.65           | /              |                           |                  |                |                |
|                 | n66          | 0.98                      | 0.35             | 0.58           | 1.94           |                           |                  |                |                |
|                 | n38          | 0.75                      | 0.55             | 0.54           | 2.48           |                           |                  |                |                |
|                 | n41          | 0.93                      | 0.47             | 0.76           | 2.19           |                           |                  |                |                |
|                 | n48          | 0.79                      | 0.26             | 0.46           | 1.96           |                           |                  |                |                |
|                 | n77          | 0.90                      | 0.67             | 0.31           | 1.80           |                           |                  |                |                |
|                 | n78          | 0.76                      | 0.67             | 0.56           | 1.35           |                           |                  |                |                |
| WIFI            | 2.4G WIFI    | 0.97                      | 0.10             | 0.67           | 1.43           |                           |                  |                |                |
|                 | 5.2G WIFI    | /                         | /                | 0.63           | /              |                           |                  |                |                |

|              |           |      |      |      |      |     |  |     |  |
|--------------|-----------|------|------|------|------|-----|--|-----|--|
|              | 5.3G WIFI | 0.95 | 0.18 | /    | 1.96 |     |  |     |  |
|              | 5.6G WIFI | 0.88 | 0.21 | /    | 1.75 |     |  |     |  |
|              | 5.8G WIFI | 1.06 | 0.26 | 0.70 | 2.03 |     |  |     |  |
|              | 6G WIFI   | 0.22 | 0.04 | /    | 0.29 |     |  |     |  |
| DSS          | Bluetooth | 1.01 | 0.09 | 0.35 | 1.31 |     |  |     |  |
| Limit (W/kg) |           | 1.6  |      |      | 4.0  | 1.6 |  | 4.0 |  |
| Verdict      |           | PASS |      |      |      |     |  |     |  |

### 3.3.2 Highest Simultaneous Transmission SAR Values

| Equipment Class                                              | Maximum Scaled SAR<br>(W/kg) |                        |                      |                       |
|--------------------------------------------------------------|------------------------------|------------------------|----------------------|-----------------------|
|                                                              | Head 1g<br>(0mm)             | Body-worn 1g<br>(15mm) | Hotspot 1g<br>(10mm) | Specific 10g<br>(0mm) |
| PCE                                                          | 1.50                         | 1.38                   | 1.36                 | 3.27                  |
| DTS                                                          | 1.47                         | 1.26                   | 1.36                 | 3.27                  |
| NII                                                          | 1.50                         | 1.38                   | 1.29                 | 3.27                  |
| DSS                                                          | 1.50                         | 1.38                   | 1.29                 | 3.27                  |
| Limit (W/Kg)                                                 | 1.60                         | 1.60                   | 1.60                 | 4.00                  |
| Verdict                                                      | Pass                         |                        |                      |                       |
| Note: The highest simultaneous SAR please refer section 13.2 |                              |                        |                      |                       |

### 3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is  $< 1.5$  W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 1.08 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.54 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

## 4 MEASUREMENT SYSTEM

### 4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ( $\rho$ ). The equation description is as below:

$$SAR = \frac{d}{dt} \left( \frac{dW}{dm} \right) = \frac{d}{dt} \left( \frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

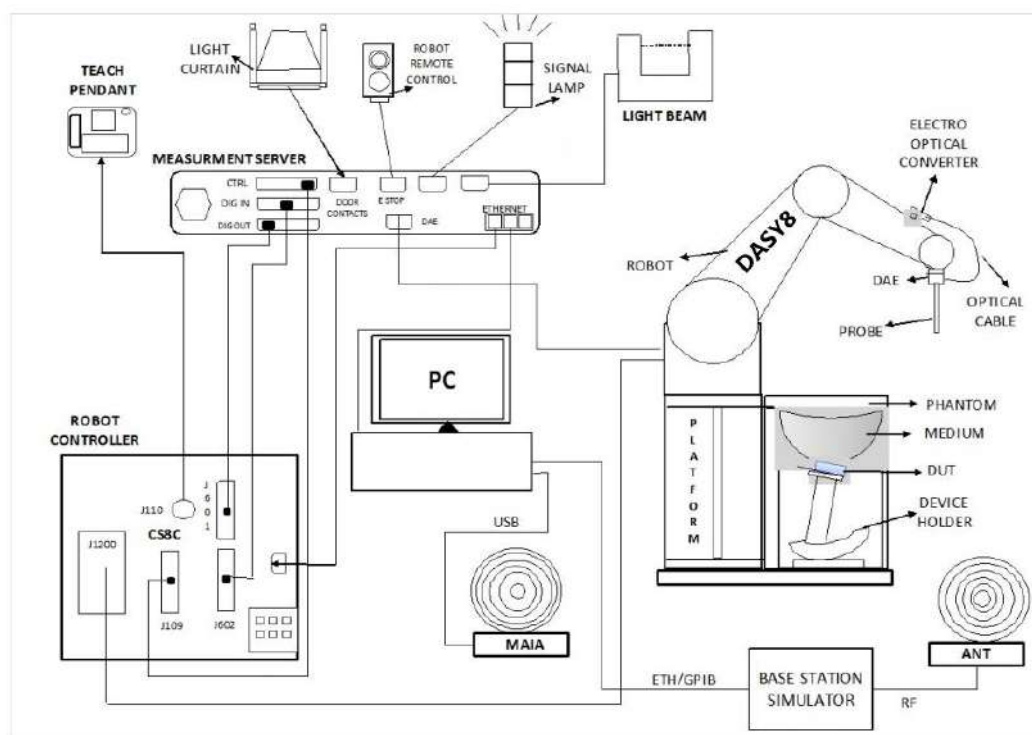
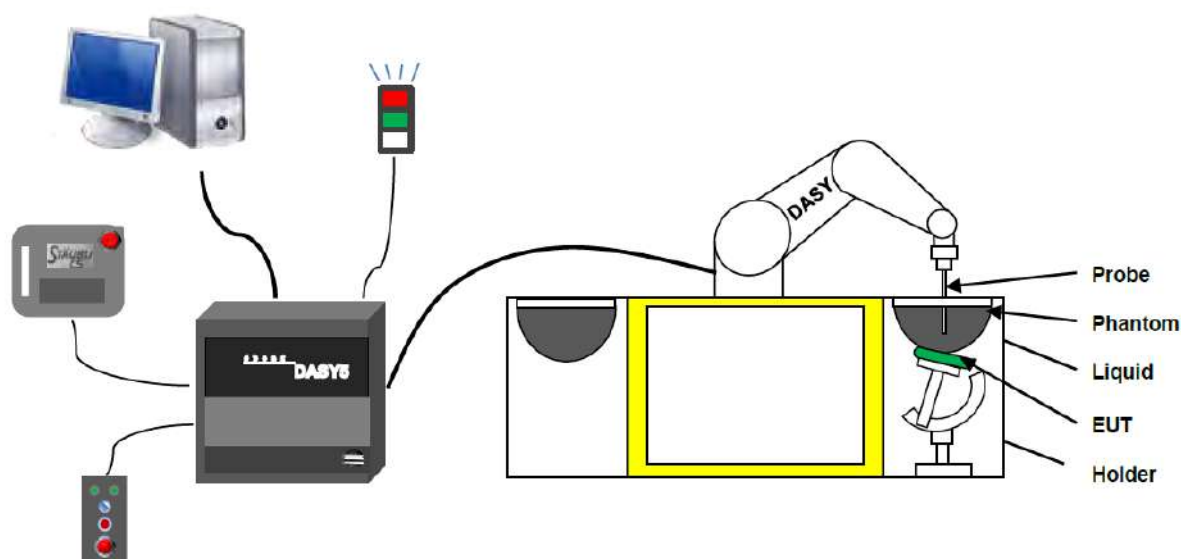
$$SAR = \frac{\sigma E^2}{\rho}$$

Where:  $\sigma$  is the conductivity of the tissue,

$\rho$  is the mass density of the tissue and E is the RMS electrical field strength.

## 4.2 DASY SAR System

### 4.2.1 DASY SAR System Diagram



The DASY system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is

battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

#### 4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision  
(repeatability  $\pm 0.02$  mm)
- High reliability  
(industrial design)
- Low maintenance costs  
(virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements  
(brush less synchron motors; no stepper motors)
- Low ELF interference  
(motor control \_elds shielded via the closed metallic construction shields)



### 4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN: 7510&7350&3748 with following specifications is used.

|               |                                                                                                                                                                                                                 |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction  | Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether) |
| Calibration   | ISO/IEC 17025 calibration service available                                                                                                                                                                     |
| Frequency     | 10 MHz to 6 GHz; Linearity: $\pm 0.2$ dB (30 MHz to 6 GHz)                                                                                                                                                      |
| Directivity   | $\pm 0.2$ dB in HSL (rotation around probe axis) ; $\pm 0.4$ dB in HSL (rotation normal to probe axis)                                                                                                          |
| Dynamic range | 5 $\mu$ W/g to > 100 mW/g; Linearity: $\pm 0.2$ dB                                                                                                                                                              |
| Dimensions    | Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm                                                                                         |
| Application   | General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)                                                                                          |

#### E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

#### 4.2.4 Data Acquisition Electronics

The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200M $\Omega$
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

#### 4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left head
- Right head
- Flat phantom

**Photo of Phantom SN1576**



**Photo of Phantom SN1859**



| Serial Number       | Material                           | Length | Height |
|---------------------|------------------------------------|--------|--------|
| <b>SN 1576 SAM1</b> | Vinylester, glass fiber reinforced | 1000   | 500    |
| <b>SN 1859 SAM2</b> | Vinylester, glass fiber reinforced | 1000   | 500    |

#### 4.2.6 Device Holder

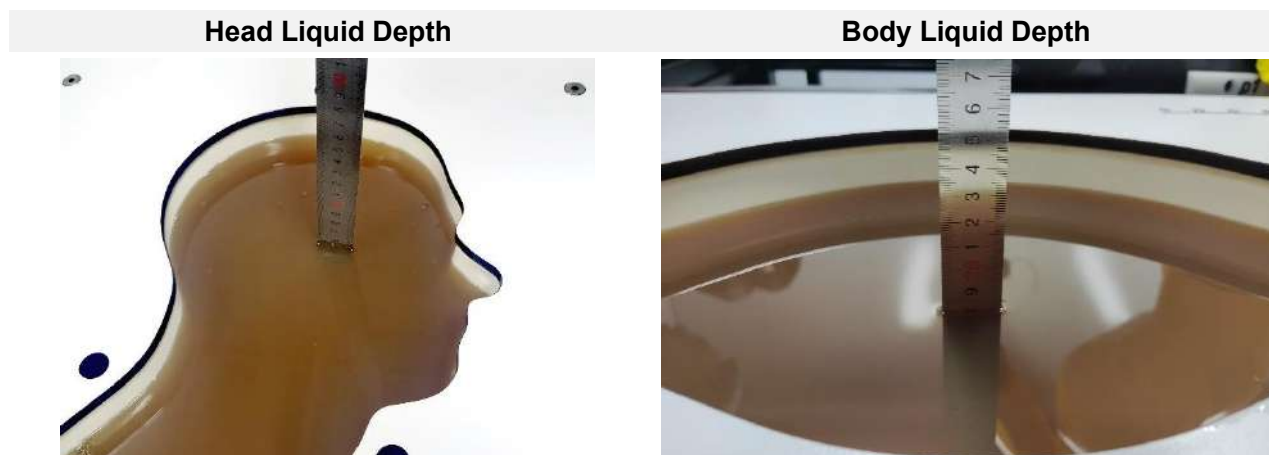
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of  $65^\circ$ . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than  $1^\circ$ .

#### 4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.



The following table gives the recipes for tissue simulating liquid.

| TSL           | Manufacturer / Model  | Freq Range (MHz) | Main Ingredients                                                                                         |
|---------------|-----------------------|------------------|----------------------------------------------------------------------------------------------------------|
| Head WideBand | SPEAG HBBL600-10000V6 | 600-10000        | Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol |

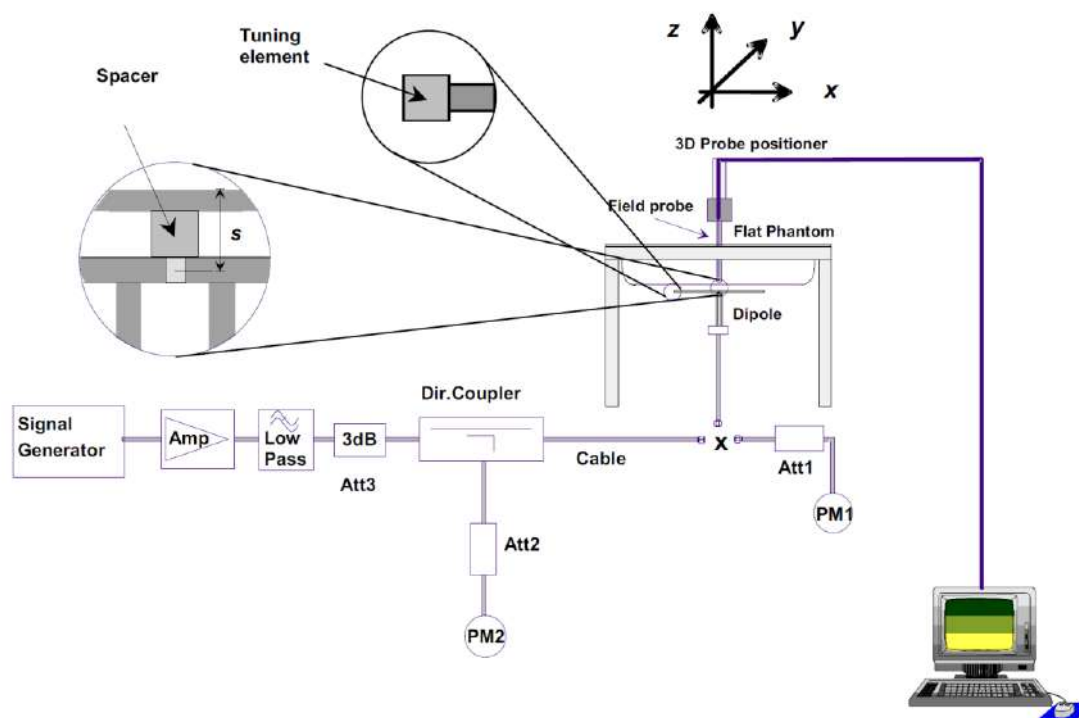
## 5 SYSTEM VERIFICATION

### 5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

### 5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



## 6 TEST POSITION CONFIGURATIONS

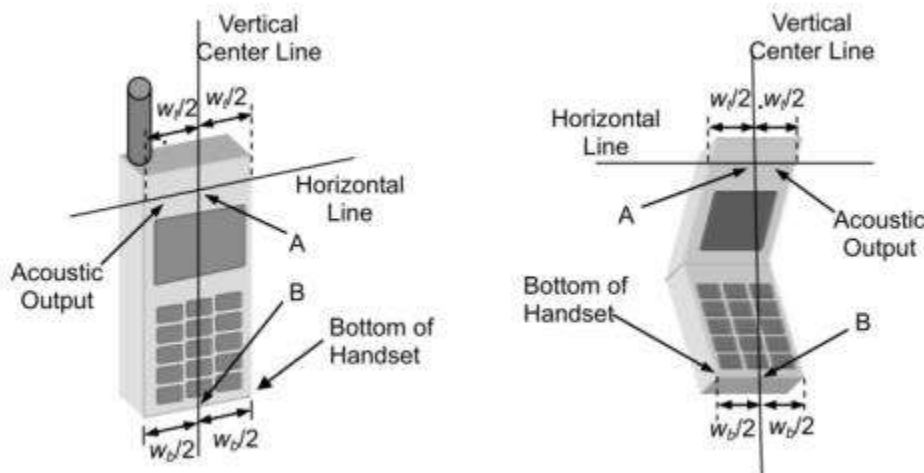
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

### 6.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

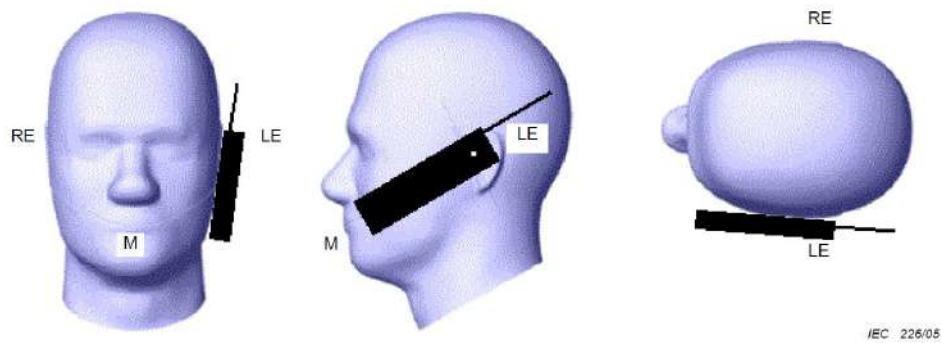
#### 6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width  $w_t$  of the handset at the level of the acoustic output, and the midpoint of the width  $w_b$  of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



#### 6.1.2 Cheek Position

- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



### 6.1.3 Tilted Position

- (a) To position the device in the "cheek" position described above.
- (b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

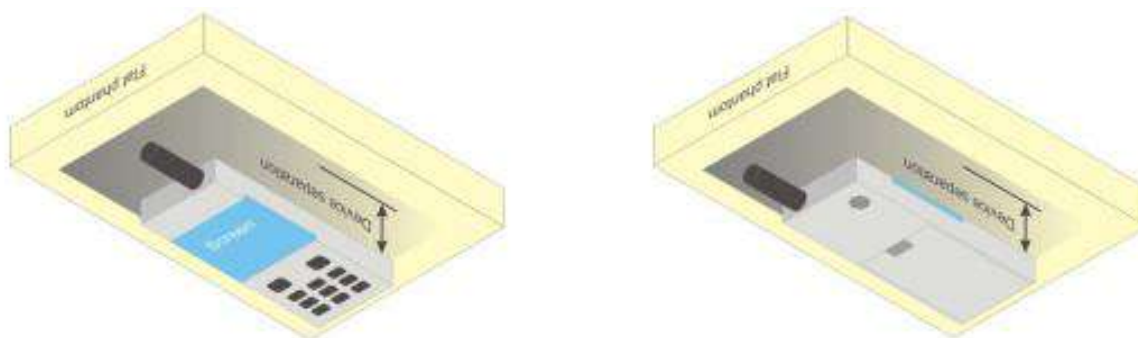


## 6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

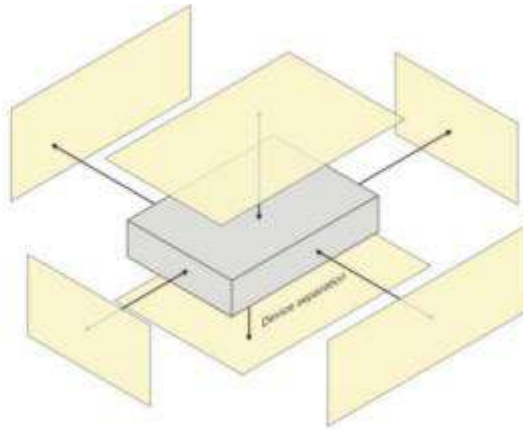
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance  $\leq 5$  mm to support compliance.



### 6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



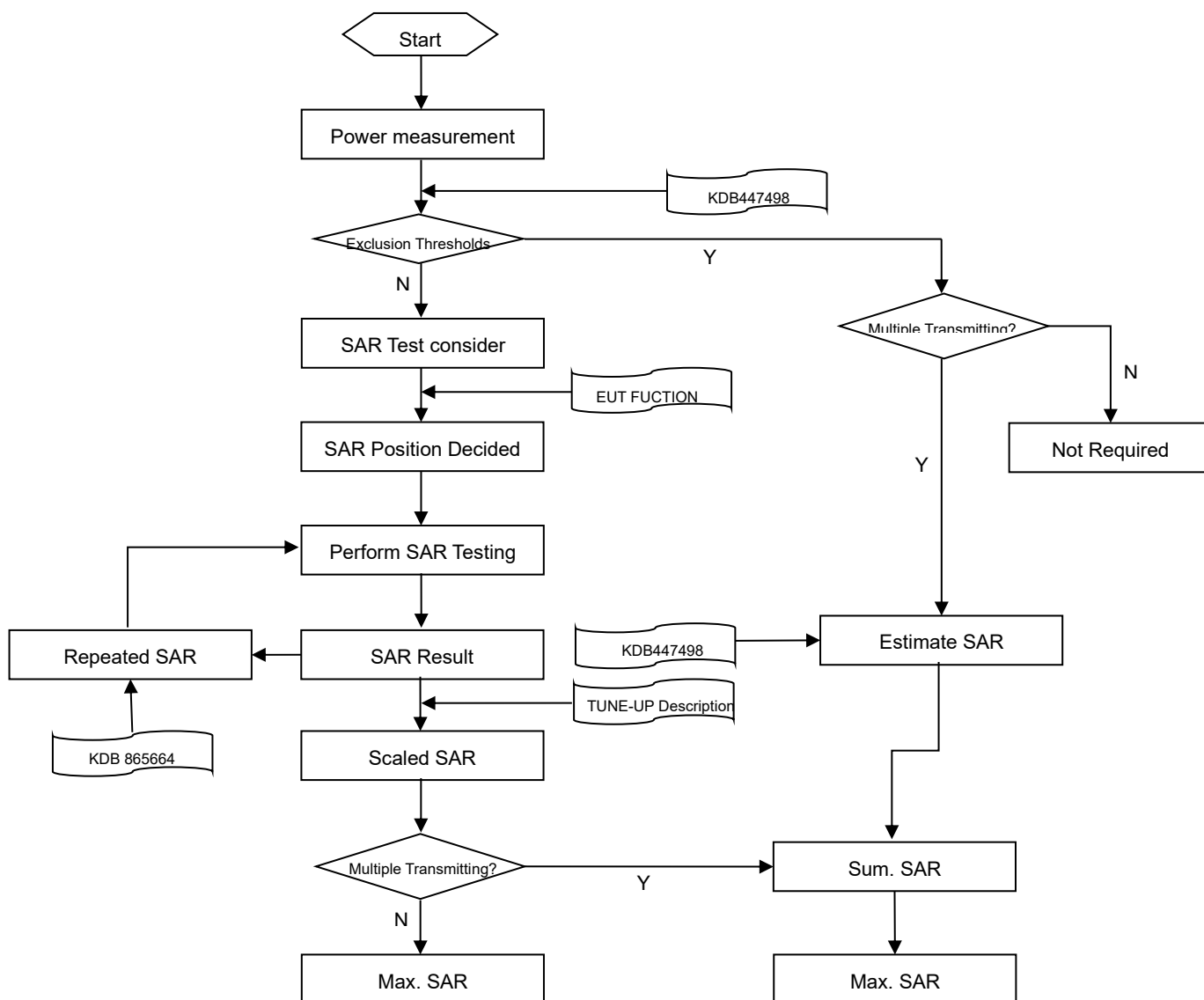
### 6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at  $\leq 25$  mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

## 7 MEASUREMENT PROCEDURE

### 7.1 Measurement Process Diagram



## 7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

|                                                                                                        |                           |                                                                | ≤3GHz                                                                                                                                                                                                                                                             | >3GHz                                              |
|--------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface |                           |                                                                | 5±1 mm                                                                                                                                                                                                                                                            | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              |                           |                                                                | 30°±1°                                                                                                                                                                                                                                                            | 20°±1°                                             |
| Maximum area scan spatial resolution: Δx Area , Δy Area                                                |                           |                                                                | ≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm                                                                                                                                                                                                                            | 3–4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 10 mm             |
|                                                                                                        |                           |                                                                | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                    |
| Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom                                                |                           |                                                                | ≤ 2 GHz: ≤ 8 mm<br>2 – 3 GHz: ≤ 5 mm*                                                                                                                                                                                                                             | 3–4 GHz: ≤ 5 mm*<br>4 – 6 GHz: ≤ 4 mm*             |
| Maximum zoom scan spatial resolution, normal to phantom surface                                        | uniform grid: Δz Zoom (n) |                                                                | ≤ 5 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≤ 4 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≤ 3 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 5–6 GHz: ≤ 2 mm                                    |
|                                                                                                        | graded grid               | Δz Zoom (1): between 1st two points closest to phantom surface | ≤ 4 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≤ 3 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≤ 2.5 mm                                  |
|                                                                                                        |                           | Δz Zoom (n>1): between subsequent points                       | ≤ 1.5·Δz Zoom (n-1)                                                                                                                                                                                                                                               |                                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   |                                                    |
| Minimum zoom scan volume                                                                               | x, y, z                   |                                                                | ≥30 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≥ 28 mm                                   |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≥ 25 mm                                   |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 5–6 GHz: ≥ 22 mm                                   |

### Note:

1.  $\delta$  is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. \* When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is  $\leq 1.4$  W/kg,  $\leq 8$  mm,  $\leq 7$  mm and  $\leq 5$  mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

### 7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm \* 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- d. Around this point, a cube of 30 \* 30 \* 30 mm or 32 \* 32 \* 32 mm is assessed by measuring 5 or 8 \* 5 or 8\*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

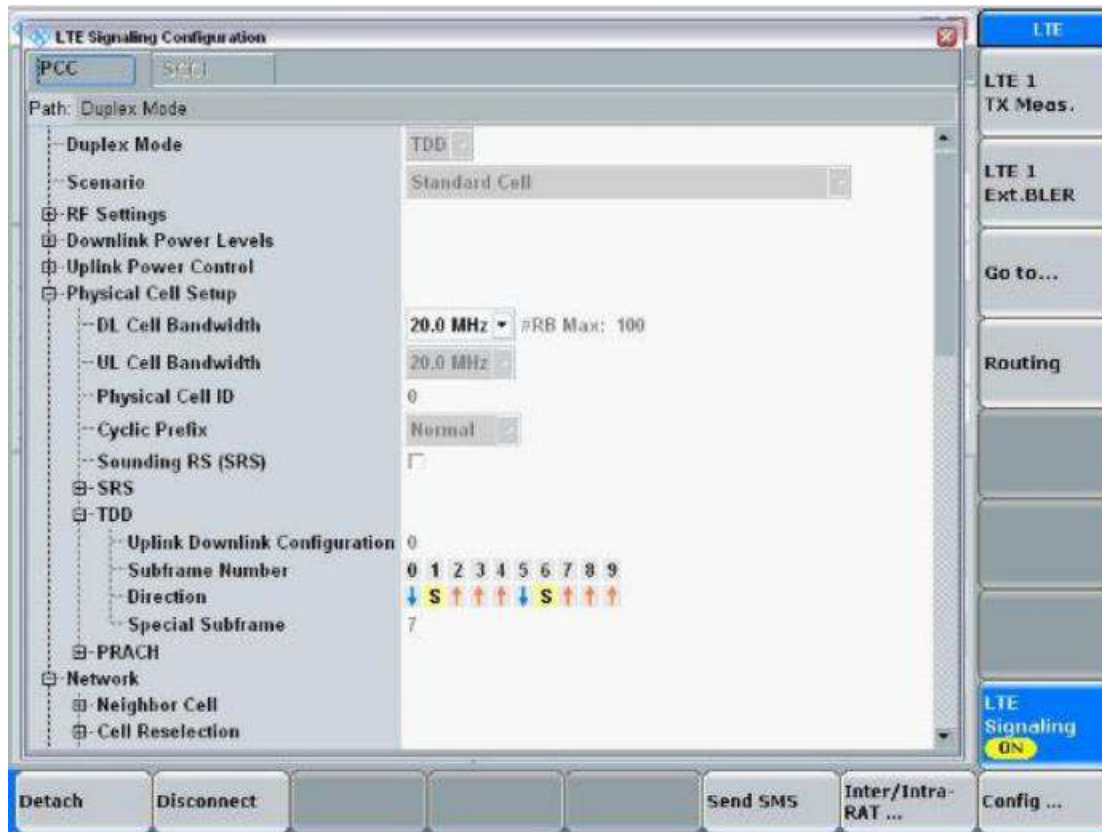
### 7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

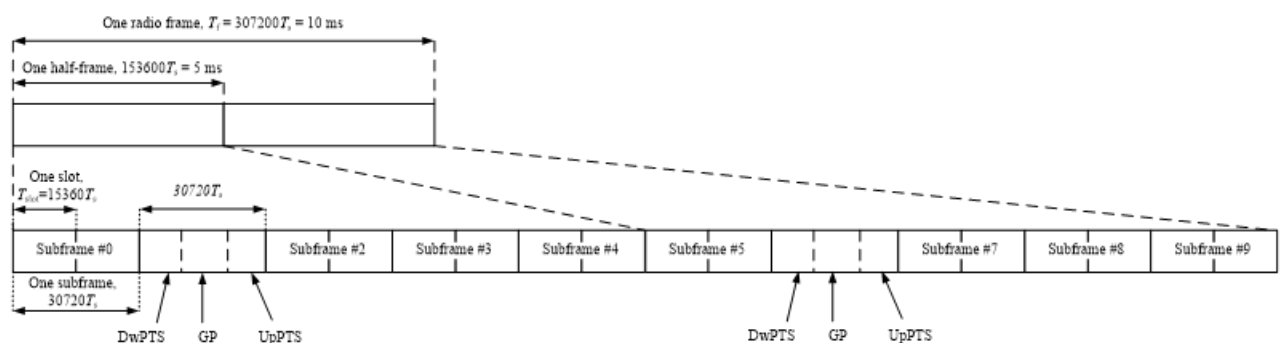
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

## 7.5 Area & Zoom Scan Procedure

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length ( $T_f = 307200 \cdot T_s = 10\text{ms}$ ) of two half-frames of length ( $153600 \cdot T_s = 5\text{ms}$ ). Each half-frame consists of five sub-frames of length ( $30720 \cdot T_s = 1\text{ms}$ )



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to  $30720 \cdot T_s = 1\text{ms}$ .

### Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

| Special sub-frame configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|---------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                 | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                 |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                               | $6592 \cdot T_s$                 | $2192 \cdot T_s$               | $2560 \cdot T_s$                 | $7680 \cdot T_s$                   | $2192 \cdot T_s$               | $2560 \cdot T_s$                 |
| 1                               | $19760 \cdot T_s$                |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 2                               | $21592 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 3                               | $24144 \cdot T_s$                |                                |                                  | $25600 \cdot T_s$                  |                                |                                  |
| 4                               | $26336 \cdot T_s$                | $4384 \cdot T_s$               | $5120 \cdot T_s$                 | $7680 \cdot T_s$                   | $2560 \cdot T_s$               | $5120 \cdot T_s$                 |
| 5                               | $6592 \cdot T_s$                 |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 6                               | $19760 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 7                               | $21592 \cdot T_s$                |                                |                                  | $12800 \cdot T_s$                  |                                |                                  |
| 8                               | $24144 \cdot T_s$                |                                |                                  | -                                  | -                              | -                                |
| 9                               | $13168 \cdot T_s$                |                                |                                  | -                                  | -                              | -                                |

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)\* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s \cdot 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

there for the maximum Uplink time in one radio frame is:  **$6 \cdot 1\text{ ms} + 2 \cdot 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is:  **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

## 8 CONDUCTED RF OUTPUT POWER

### 8.1 GSM

Please refer the document “BL-SZ2470686-AP Power List.pdf”.

### 8.2 WCDMA

Please refer the document “BL-SZ2470686-AP Power List.pdf”.

### 8.3 LTE

Please refer the document “BL-SZ2470686-AP Power List.pdf”.

### 8.4 Intra-Band Uplink CA Normal Power

Note:

1. This devices supports intra-band uplink CA of 7C/38C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 section 6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

Please refer the document “BL-SZ2470686-AP Power List.pdf”.

### 8.5 NR 5G

Please refer the document “BL-SZ2470686-AP Power List.pdf”.

## 8.6 WIFI

### 8.6.1 2.4G WIFI-Full power(ANT7)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 17.33                 | 17.50               | No                |
|                     |                | 6       | 2437        | 17.36                 | 17.50               | No                |
|                     |                | 11      | 2462        | <b>17.41</b>          | 17.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.94                 | 14.50               | No                |
|                     |                | 2       | 2417        | 15.00                 | 15.50               | No                |
|                     |                | 3       | 2422        | 15.78                 | 16.50               | No                |
|                     |                | 4       | 2427        | 17.23                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.63                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.62                 | 17.50               | No                |
|                     |                | 10      | 2457        | 16.48                 | 17.00               | No                |
|                     |                | 11      | 2462        | 14.00                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.99                 | 14.50               | No                |
|                     |                | 2       | 2417        | 15.20                 | 16.50               | No                |
|                     |                | 3       | 2422        | 15.73                 | 17.00               | No                |
|                     |                | 4       | 2427        | 16.43                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.20                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.91                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.58                 | 17.00               | No                |
|                     |                | 11      | 2462        | 11.82                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.04                 | 14.00               | No                |
|                     |                | 4       | 2427        | 13.51                 | 14.00               | No                |
|                     |                | 5       | 2432        | 13.92                 | 14.50               | No                |
|                     |                | 6       | 2437        | 13.28                 | 14.00               | No                |
|                     |                | 7       | 2442        | 13.13                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.58                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.38                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 13.32                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.40                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.70                 | 16.00               | No                |
|                     |                | 4       | 2427        | 16.49                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.40                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.03                 | 17.50               | No                |
|                     |                | 10      | 2457        | 14.19                 | 15.50               | No                |
|                     |                | 11      | 2462        | 12.42                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.64                 | 13.50               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 4 | 2427 | 13.57 | 14.00 | No |
|  |  | 5 | 2432 | 13.53 | 14.00 | No |
|  |  | 6 | 2437 | 12.81 | 13.50 | No |
|  |  | 7 | 2442 | 12.66 | 13.50 | No |
|  |  | 8 | 2447 | 12.59 | 13.50 | No |
|  |  | 9 | 2452 | 8.96  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.606 * (56.23\text{mW}/56.23\text{mW}) = 0.606$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.2 2.4G WIFI- Level1(ANT7)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 15.30                 | 15.50               | No                |
|                     |                | 6       | 2437        | 15.24                 | 15.50               | No                |
|                     |                | 11      | 2462        | <b>15.35</b>          | 15.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.94                 | 14.50               | No                |
|                     |                | 2       | 2417        | 15.00                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.85                 | 15.50               | No                |
|                     |                | 4       | 2427        | 15.24                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.70                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.75                 | 15.50               | No                |
|                     |                | 10      | 2457        | 14.83                 | 15.50               | No                |
|                     |                | 11      | 2462        | 14.00                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.99                 | 14.50               | No                |
|                     |                | 2       | 2417        | 13.78                 | 15.50               | No                |
|                     |                | 3       | 2422        | 13.78                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.39                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.22                 | 15.50               | No                |
|                     |                | 9       | 2452        | 13.83                 | 15.50               | No                |
|                     |                | 10      | 2457        | 13.57                 | 15.50               | No                |
|                     |                | 11      | 2462        | 11.82                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.04                 | 14.00               | No                |
|                     |                | 4       | 2427        | 13.51                 | 14.00               | No                |
|                     |                | 5       | 2432        | 13.92                 | 14.50               | No                |
|                     |                | 6       | 2437        | 13.28                 | 14.00               | No                |
|                     |                | 7       | 2442        | 13.13                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.58                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.38                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 13.32                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.40                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.70                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.41                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.43                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.13                 | 15.50               | No                |
|                     |                | 10      | 2457        | 14.19                 | 15.50               | No                |
|                     |                | 11      | 2462        | 12.42                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.64                 | 13.50               | No                |
|                     |                | 4       | 2427        | 13.57                 | 14.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 13.53 | 14.00 | No |
|  |  | 6 | 2437 | 12.81 | 13.50 | No |
|  |  | 7 | 2442 | 12.66 | 13.50 | No |
|  |  | 8 | 2447 | 12.59 | 13.50 | No |
|  |  | 9 | 2452 | 8.96  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.606 * (35.48\text{mW}/35.48\text{mW}) = 0.606$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.3 2.4G WIFI-Level2(ANT7)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | <b>11.24</b>          | 12.00               | Yes               |
|                     |                | 6       | 2437        | 10.99                 | 12.00               | No                |
|                     |                | 11      | 2462        | 11.15                 | 12.00               | No                |
|                     | 802.11 g       | 1       | 2412        | 11.05                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.99                 | 12.00               | No                |
|                     |                | 3       | 2422        | 11.03                 | 12.00               | No                |
|                     |                | 4       | 2427        | 11.05                 | 12.00               | No                |
|                     |                | 6       | 2437        | 10.88                 | 12.00               | No                |
|                     |                | 9       | 2452        | 10.98                 | 12.00               | No                |
|                     |                | 10      | 2457        | 10.90                 | 12.00               | No                |
|                     |                | 11      | 2462        | 11.14                 | 12.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 11.24                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.99                 | 12.00               | No                |
|                     |                | 3       | 2422        | 11.26                 | 12.00               | No                |
|                     |                | 4       | 2427        | 11.12                 | 12.00               | No                |
|                     |                | 6       | 2437        | 11.23                 | 12.00               | No                |
|                     |                | 9       | 2452        | 11.12                 | 12.00               | No                |
|                     |                | 10      | 2457        | 11.04                 | 12.00               | No                |
|                     |                | 11      | 2462        | 11.03                 | 12.00               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 11.20                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.91                 | 12.00               | No                |
|                     |                | 5       | 2432        | 10.85                 | 12.00               | No                |
|                     |                | 6       | 2437        | 11.24                 | 12.00               | No                |
|                     |                | 7       | 2442        | 11.17                 | 12.00               | No                |
|                     |                | 8       | 2447        | 11.23                 | 12.00               | No                |
|                     |                | 9       | 2452        | 9.38                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 11.22                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.99                 | 12.00               | No                |
|                     |                | 3       | 2422        | 11.03                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.89                 | 12.00               | No                |
|                     |                | 6       | 2437        | 11.09                 | 12.00               | No                |
|                     |                | 9       | 2452        | 11.09                 | 12.00               | No                |
|                     |                | 10      | 2457        | 11.16                 | 12.00               | No                |
|                     |                | 11      | 2462        | 11.16                 | 12.00               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 11.21                 | 12.00               | No                |
|                     |                | 4       | 2427        | 11.18                 | 12.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 10.94 | 12.00 | No |
|  |  | 6 | 2437 | 11.22 | 12.00 | No |
|  |  | 7 | 2442 | 11.08 | 12.00 | No |
|  |  | 8 | 2447 | 11.14 | 12.00 | No |
|  |  | 9 | 2452 | 8.96  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.276 * (15.85\text{mW}/15.85\text{mW}) = 0.276$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.4 2.4G WIFI-Level3(ANT7)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 17.33                 | 17.50               | No                |
|                     |                | 6       | 2437        | 17.36                 | 17.50               | No                |
|                     |                | 11      | 2462        | <b>17.41</b>          | 17.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.94                 | 14.50               | No                |
|                     |                | 2       | 2417        | 15.00                 | 15.50               | No                |
|                     |                | 3       | 2422        | 15.78                 | 16.50               | No                |
|                     |                | 4       | 2427        | 17.23                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.63                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.62                 | 17.50               | No                |
|                     |                | 10      | 2457        | 16.48                 | 17.00               | No                |
|                     |                | 11      | 2462        | 14.00                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.99                 | 14.50               | No                |
|                     |                | 2       | 2417        | 15.20                 | 16.50               | No                |
|                     |                | 3       | 2422        | 15.73                 | 17.00               | No                |
|                     |                | 4       | 2427        | 16.43                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.20                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.91                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.58                 | 17.00               | No                |
|                     |                | 11      | 2462        | 11.82                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.04                 | 14.00               | No                |
|                     |                | 4       | 2427        | 13.51                 | 14.00               | No                |
|                     |                | 5       | 2432        | 13.92                 | 14.50               | No                |
|                     |                | 6       | 2437        | 13.28                 | 14.00               | No                |
|                     |                | 7       | 2442        | 13.13                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.58                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.38                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 13.32                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.40                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.70                 | 16.00               | No                |
|                     |                | 4       | 2427        | 16.49                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.40                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.03                 | 17.50               | No                |
|                     |                | 10      | 2457        | 14.19                 | 15.50               | No                |
|                     |                | 11      | 2462        | 12.42                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.64                 | 13.50               | No                |
|                     |                | 4       | 2427        | 13.57                 | 14.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 13.53 | 14.00 | No |
|  |  | 6 | 2437 | 12.81 | 13.50 | No |
|  |  | 7 | 2442 | 12.66 | 13.50 | No |
|  |  | 8 | 2447 | 12.59 | 13.50 | No |
|  |  | 9 | 2452 | 8.96  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.217 * (56.23\text{mW}/56.23\text{mW}) = 0.217$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.5 2.4G WIFI-Level4(ANT7)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | <b>14.74</b>          | 15.00               | Yes               |
|                     |                | 6       | 2437        | 14.70                 | 15.00               | No                |
|                     |                | 11      | 2462        | 14.72                 | 15.00               | No                |
|                     | 802.11 g       | 1       | 2412        | 13.94                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.48                 | 15.00               | No                |
|                     |                | 3       | 2422        | 14.32                 | 15.00               | No                |
|                     |                | 4       | 2427        | 14.71                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.70                 | 15.00               | No                |
|                     |                | 9       | 2452        | 14.75                 | 15.00               | No                |
|                     |                | 10      | 2457        | 14.32                 | 15.00               | No                |
|                     |                | 11      | 2462        | 14.00                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.99                 | 14.50               | No                |
|                     |                | 2       | 2417        | 13.78                 | 15.00               | No                |
|                     |                | 3       | 2422        | 13.78                 | 15.00               | No                |
|                     |                | 4       | 2427        | 14.39                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.22                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.83                 | 15.00               | No                |
|                     |                | 10      | 2457        | 13.57                 | 15.00               | No                |
|                     |                | 11      | 2462        | 11.82                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.04                 | 14.00               | No                |
|                     |                | 4       | 2427        | 13.51                 | 14.00               | No                |
|                     |                | 5       | 2432        | 13.92                 | 14.50               | No                |
|                     |                | 6       | 2437        | 13.28                 | 14.00               | No                |
|                     |                | 7       | 2442        | 13.13                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.58                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.38                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 13.32                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.40                 | 15.00               | No                |
|                     |                | 3       | 2422        | 14.70                 | 15.00               | No                |
|                     |                | 4       | 2427        | 14.41                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.43                 | 15.00               | No                |
|                     |                | 9       | 2452        | 14.13                 | 15.00               | No                |
|                     |                | 10      | 2457        | 14.19                 | 15.00               | No                |
|                     |                | 11      | 2462        | 12.42                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.64                 | 13.50               | No                |
|                     |                | 4       | 2427        | 13.57                 | 14.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 13.53 | 14.00 | No |
|  |  | 6 | 2437 | 12.81 | 13.50 | No |
|  |  | 7 | 2442 | 12.66 | 13.50 | No |
|  |  | 8 | 2447 | 12.59 | 13.50 | No |
|  |  | 9 | 2452 | 8.96  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.123 * (31.62\text{mW}/31.62\text{mW}) = 0.123$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.6 2.4G WIFI-Full power(ANT9)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 16.26                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.11                 | 17.50               | No                |
|                     |                | 11      | 2462        | <b>16.42</b>          | 17.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.10                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.24                 | 15.50               | No                |
|                     |                | 3       | 2422        | 15.45                 | 16.50               | No                |
|                     |                | 4       | 2427        | 16.02                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.94                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.01                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.54                 | 17.00               | No                |
|                     |                | 11      | 2462        | 13.08                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.80                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.83                 | 16.50               | No                |
|                     |                | 3       | 2422        | 15.39                 | 17.00               | No                |
|                     |                | 4       | 2427        | 15.56                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.58                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.62                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.18                 | 17.00               | No                |
|                     |                | 11      | 2462        | 11.76                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 12.53                 | 14.00               | No                |
|                     |                | 4       | 2427        | 12.38                 | 14.00               | No                |
|                     |                | 5       | 2432        | 12.97                 | 14.50               | No                |
|                     |                | 6       | 2437        | 12.76                 | 14.00               | No                |
|                     |                | 7       | 2442        | 12.64                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.18                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.83                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 12.90                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.15                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.88                 | 16.00               | No                |
|                     |                | 4       | 2427        | 15.90                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.77                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.94                 | 17.50               | No                |
|                     |                | 10      | 2457        | 13.86                 | 15.50               | No                |
|                     |                | 11      | 2462        | 12.00                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.26                 | 13.50               | No                |
|                     |                | 4       | 2427        | 12.56                 | 14.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 12.72 | 14.00 | No |
|  |  | 6 | 2437 | 12.38 | 13.50 | No |
|  |  | 7 | 2442 | 12.30 | 13.50 | No |
|  |  | 8 | 2447 | 12.35 | 13.50 | No |
|  |  | 9 | 2452 | 9.53  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.798 * (56.23\text{mW}/56.23\text{mW}) = 0.798$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.7 2.4G WIFI-Level1(ANT9)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 14.13                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.34                 | 15.50               | No                |
|                     |                | 11      | 2462        | <b>14.37</b>          | 15.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 14.48                 | 15.50               | No                |
|                     |                | 2       | 2417        | 14.54                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.65                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.45                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.69                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.60                 | 15.50               | No                |
|                     |                | 10      | 2457        | 14.50                 | 15.50               | No                |
|                     |                | 11      | 2462        | 14.55                 | 15.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 14.03                 | 15.50               | No                |
|                     |                | 2       | 2417        | 14.32                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.40                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.32                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.25                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.41                 | 15.50               | No                |
|                     |                | 10      | 2457        | 14.30                 | 15.50               | No                |
|                     |                | 11      | 2462        | 14.28                 | 15.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 14.25                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.61                 | 15.50               | No                |
|                     |                | 5       | 2432        | 14.77                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.60                 | 15.50               | No                |
|                     |                | 7       | 2442        | 14.75                 | 15.50               | No                |
|                     |                | 8       | 2447        | 14.71                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.54                 | 15.50               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 14.17                 | 15.50               | No                |
|                     |                | 2       | 2417        | 14.53                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.48                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.53                 | 15.50               | No                |
|                     |                | 6       | 2437        | 14.53                 | 15.50               | No                |
|                     |                | 9       | 2452        | 14.39                 | 15.50               | No                |
|                     |                | 10      | 2457        | 14.51                 | 15.50               | No                |
|                     |                | 11      | 2462        | 14.29                 | 15.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 13.92                 | 15.50               | No                |
|                     |                | 4       | 2427        | 14.40                 | 15.50               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 14.49 | 15.50 | No |
|  |  | 6 | 2437 | 14.09 | 15.50 | No |
|  |  | 7 | 2442 | 14.47 | 15.50 | No |
|  |  | 8 | 2447 | 14.31 | 15.50 | No |
|  |  | 9 | 2452 | 14.14 | 15.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.798 * (35.48\text{mW}/35.48\text{mW}) = 0.798$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.8 2.4G WIFI-Level2(ANT9)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 10.70                 | 12.00               | No                |
|                     |                | 6       | 2437        | <b>10.86</b>          | 12.00               | Yes               |
|                     |                | 11      | 2462        | 10.71                 | 12.00               | No                |
|                     | 802.11 g       | 1       | 2412        | 10.69                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.73                 | 12.00               | No                |
|                     |                | 3       | 2422        | 10.95                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.89                 | 12.00               | No                |
|                     |                | 6       | 2437        | 10.58                 | 12.00               | No                |
|                     |                | 9       | 2452        | 10.55                 | 12.00               | No                |
|                     |                | 10      | 2457        | 10.52                 | 12.00               | No                |
|                     |                | 11      | 2462        | 10.92                 | 12.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 10.96                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.82                 | 12.00               | No                |
|                     |                | 3       | 2422        | 10.59                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.83                 | 12.00               | No                |
|                     |                | 6       | 2437        | 10.91                 | 12.00               | No                |
|                     |                | 9       | 2452        | 10.55                 | 12.00               | No                |
|                     |                | 10      | 2457        | 10.58                 | 12.00               | No                |
|                     |                | 11      | 2462        | 10.66                 | 12.00               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 10.52                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.72                 | 12.00               | No                |
|                     |                | 5       | 2432        | 10.73                 | 12.00               | No                |
|                     |                | 6       | 2437        | 10.54                 | 12.00               | No                |
|                     |                | 7       | 2442        | 10.51                 | 12.00               | No                |
|                     |                | 8       | 2447        | 10.96                 | 12.00               | No                |
|                     |                | 9       | 2452        | 10.59                 | 12.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 10.88                 | 12.00               | No                |
|                     |                | 2       | 2417        | 10.61                 | 12.00               | No                |
|                     |                | 3       | 2422        | 10.44                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.94                 | 12.00               | No                |
|                     |                | 6       | 2437        | 10.73                 | 12.00               | No                |
|                     |                | 9       | 2452        | 10.87                 | 12.00               | No                |
|                     |                | 10      | 2457        | 10.49                 | 12.00               | No                |
|                     |                | 11      | 2462        | 10.63                 | 12.00               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 10.48                 | 12.00               | No                |
|                     |                | 4       | 2427        | 10.60                 | 12.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 10.79 | 12.00 | No |
|  |  | 6 | 2437 | 10.61 | 12.00 | No |
|  |  | 7 | 2442 | 10.45 | 12.00 | No |
|  |  | 8 | 2447 | 10.60 | 12.00 | No |
|  |  | 9 | 2452 | 10.60 | 12.00 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.358 * (15.85\text{mW}/15.85\text{mW}) = 0.358$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.9 2.4G WIFI-Level3(ANT9)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 16.26                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.11                 | 17.50               | No                |
|                     |                | 11      | 2462        | <b>16.42</b>          | 17.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.10                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.24                 | 15.50               | No                |
|                     |                | 3       | 2422        | 15.45                 | 16.50               | No                |
|                     |                | 4       | 2427        | 16.02                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.94                 | 17.50               | No                |
|                     |                | 9       | 2452        | 16.01                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.54                 | 17.00               | No                |
|                     |                | 11      | 2462        | 13.08                 | 14.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 12.80                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.83                 | 16.50               | No                |
|                     |                | 3       | 2422        | 15.39                 | 17.00               | No                |
|                     |                | 4       | 2427        | 15.56                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.58                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.62                 | 17.50               | No                |
|                     |                | 10      | 2457        | 15.18                 | 17.00               | No                |
|                     |                | 11      | 2462        | 11.76                 | 13.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 12.53                 | 14.00               | No                |
|                     |                | 4       | 2427        | 12.38                 | 14.00               | No                |
|                     |                | 5       | 2432        | 12.97                 | 14.50               | No                |
|                     |                | 6       | 2437        | 12.76                 | 14.00               | No                |
|                     |                | 7       | 2442        | 12.64                 | 14.00               | No                |
|                     |                | 8       | 2447        | 12.18                 | 13.50               | No                |
|                     |                | 9       | 2452        | 9.83                  | 11.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 12.90                 | 14.50               | No                |
|                     |                | 2       | 2417        | 14.15                 | 15.50               | No                |
|                     |                | 3       | 2422        | 14.88                 | 16.00               | No                |
|                     |                | 4       | 2427        | 15.90                 | 17.50               | No                |
|                     |                | 6       | 2437        | 15.77                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.94                 | 17.50               | No                |
|                     |                | 10      | 2457        | 13.86                 | 15.50               | No                |
|                     |                | 11      | 2462        | 12.00                 | 13.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 12.26                 | 13.50               | No                |
|                     |                | 4       | 2427        | 12.56                 | 14.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 12.72 | 14.00 | No |
|  |  | 6 | 2437 | 12.38 | 13.50 | No |
|  |  | 7 | 2442 | 12.30 | 13.50 | No |
|  |  | 8 | 2447 | 12.35 | 13.50 | No |
|  |  | 9 | 2452 | 9.53  | 10.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.667 * (56.23\text{mW}/56.23\text{mW}) = 0.667$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.10 2.4G WIFI-Level4(ANT9)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 13.58                 | 15.00               | No                |
|                     |                | 6       | 2437        | 13.77                 | 15.00               | No                |
|                     |                | 11      | 2462        | <b>13.80</b>          | 15.00               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 13.91                 | 15.00               | No                |
|                     |                | 2       | 2417        | 14.03                 | 15.00               | No                |
|                     |                | 3       | 2422        | 14.13                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.89                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.21                 | 15.00               | No                |
|                     |                | 9       | 2452        | 14.13                 | 15.00               | No                |
|                     |                | 10      | 2457        | 14.03                 | 15.00               | No                |
|                     |                | 11      | 2462        | 14.14                 | 15.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 13.62                 | 15.00               | No                |
|                     |                | 2       | 2417        | 13.84                 | 15.00               | No                |
|                     |                | 3       | 2422        | 13.98                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.82                 | 15.00               | No                |
|                     |                | 6       | 2437        | 13.75                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.86                 | 15.00               | No                |
|                     |                | 10      | 2457        | 13.80                 | 15.00               | No                |
|                     |                | 11      | 2462        | 13.83                 | 15.00               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.84                 | 15.00               | No                |
|                     |                | 4       | 2427        | 14.08                 | 15.00               | No                |
|                     |                | 5       | 2432        | 14.19                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.05                 | 15.00               | No                |
|                     |                | 7       | 2442        | 14.17                 | 15.00               | No                |
|                     |                | 8       | 2447        | 14.29                 | 15.00               | No                |
|                     |                | 9       | 2452        | 14.07                 | 15.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 13.62                 | 15.00               | No                |
|                     |                | 2       | 2417        | 14.08                 | 15.00               | No                |
|                     |                | 3       | 2422        | 13.94                 | 15.00               | No                |
|                     |                | 4       | 2427        | 14.04                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.11                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.91                 | 15.00               | No                |
|                     |                | 10      | 2457        | 14.02                 | 15.00               | No                |
|                     |                | 11      | 2462        | 13.71                 | 15.00               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 13.37                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.91                 | 15.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 13.96 | 15.00 | No |
|  |  | 6 | 2437 | 13.51 | 15.00 | No |
|  |  | 7 | 2442 | 14.01 | 15.00 | No |
|  |  | 8 | 2447 | 13.84 | 15.00 | No |
|  |  | 9 | 2452 | 13.71 | 15.00 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.335 * (31.62\text{mW}/31.62\text{mW}) = 0.335$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.11 2.4G WIFI-Full power(MIMO)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 19.84                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.79                 | 20.50               | No                |
|                     |                | 11      | 2462        | <b>19.95</b>          | 20.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 16.55                 | 17.50               | No                |
|                     |                | 2       | 2417        | 17.65                 | 18.50               | No                |
|                     |                | 3       | 2422        | 18.63                 | 19.50               | No                |
|                     |                | 4       | 2427        | 19.68                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.31                 | 20.50               | No                |
|                     |                | 9       | 2452        | 19.34                 | 20.50               | No                |
|                     |                | 10      | 2457        | 19.05                 | 20.00               | No                |
|                     |                | 11      | 2462        | 16.57                 | 17.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 15.91                 | 17.50               | No                |
|                     |                | 2       | 2417        | 18.03                 | 19.50               | No                |
|                     |                | 3       | 2422        | 18.57                 | 20.00               | No                |
|                     |                | 4       | 2427        | 19.03                 | 20.50               | No                |
|                     |                | 6       | 2437        | 18.91                 | 20.50               | No                |
|                     |                | 9       | 2452        | 18.78                 | 20.50               | No                |
|                     |                | 10      | 2457        | 18.39                 | 20.00               | No                |
|                     |                | 11      | 2462        | 14.80                 | 16.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 15.80                 | 17.00               | No                |
|                     |                | 4       | 2427        | 15.99                 | 17.00               | No                |
|                     |                | 5       | 2432        | 16.48                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.04                 | 17.00               | No                |
|                     |                | 7       | 2442        | 15.90                 | 17.00               | No                |
|                     |                | 8       | 2447        | 15.39                 | 16.50               | No                |
|                     |                | 9       | 2452        | 12.62                 | 14.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 16.13                 | 17.50               | No                |
|                     |                | 2       | 2417        | 17.29                 | 18.50               | No                |
|                     |                | 3       | 2422        | 17.80                 | 19.00               | No                |
|                     |                | 4       | 2427        | 19.22                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.11                 | 20.50               | No                |
|                     |                | 9       | 2452        | 19.00                 | 20.50               | No                |
|                     |                | 10      | 2457        | 17.04                 | 18.50               | No                |
|                     |                | 11      | 2462        | 15.23                 | 16.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 15.46                 | 16.50               | No                |
|                     |                | 4       | 2427        | 16.10                 | 17.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 16.15 | 17.00 | No |
|  |  | 6 | 2437 | 15.61 | 16.50 | No |
|  |  | 7 | 2442 | 15.49 | 16.50 | No |
|  |  | 8 | 2447 | 15.48 | 16.50 | No |
|  |  | 9 | 2452 | 12.26 | 13.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.974 * (112.20\text{mW}/112.20\text{mW}) = 0.974$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.12 2.4G WIFI-Level1(MIMO)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 17.76                 | 18.50               | Yes               |
|                     |                | 6       | 2437        | 17.82                 | 18.50               | Yes               |
|                     |                | 11      | 2462        | <b>17.90</b>          | 18.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 17.23                 | 18.00               | No                |
|                     |                | 2       | 2417        | 17.79                 | 18.50               | No                |
|                     |                | 3       | 2422        | 17.76                 | 18.50               | No                |
|                     |                | 4       | 2427        | 17.87                 | 18.50               | No                |
|                     |                | 6       | 2437        | 17.71                 | 18.50               | No                |
|                     |                | 9       | 2452        | 17.69                 | 18.50               | No                |
|                     |                | 10      | 2457        | 17.68                 | 18.50               | No                |
|                     |                | 11      | 2462        | 17.29                 | 18.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 16.55                 | 18.00               | No                |
|                     |                | 2       | 2417        | 17.07                 | 18.50               | No                |
|                     |                | 3       | 2422        | 17.11                 | 18.50               | No                |
|                     |                | 4       | 2427        | 17.37                 | 18.50               | No                |
|                     |                | 6       | 2437        | 17.25                 | 18.50               | No                |
|                     |                | 9       | 2452        | 17.14                 | 18.50               | No                |
|                     |                | 10      | 2457        | 16.96                 | 18.50               | No                |
|                     |                | 11      | 2462        | 16.23                 | 17.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 16.70                 | 18.00               | No                |
|                     |                | 4       | 2427        | 17.11                 | 18.00               | No                |
|                     |                | 5       | 2432        | 17.38                 | 18.00               | No                |
|                     |                | 6       | 2437        | 17.00                 | 18.00               | No                |
|                     |                | 7       | 2442        | 17.03                 | 18.00               | No                |
|                     |                | 8       | 2447        | 16.78                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.70                 | 17.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 16.78                 | 18.00               | No                |
|                     |                | 2       | 2417        | 17.48                 | 18.50               | No                |
|                     |                | 3       | 2422        | 17.60                 | 18.50               | No                |
|                     |                | 4       | 2427        | 17.48                 | 18.50               | No                |
|                     |                | 6       | 2437        | 17.49                 | 18.50               | No                |
|                     |                | 9       | 2452        | 17.27                 | 18.50               | No                |
|                     |                | 10      | 2457        | 17.36                 | 18.50               | No                |
|                     |                | 11      | 2462        | 16.47                 | 17.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 16.34                 | 17.50               | No                |
|                     |                | 4       | 2427        | 17.02                 | 18.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 17.05 | 18.00 | No |
|  |  | 6 | 2437 | 16.51 | 17.50 | No |
|  |  | 7 | 2442 | 16.67 | 17.50 | No |
|  |  | 8 | 2447 | 16.54 | 17.50 | No |
|  |  | 9 | 2452 | 15.29 | 16.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.974 * (70.79\text{mW}/70.79\text{mW}) = 0.974$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.13 2.4G WIFI-Level2(MIMO)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | <b>13.99</b>          | 15.00               | Yes               |
|                     |                | 6       | 2437        | 13.94                 | 15.00               | No                |
|                     |                | 11      | 2462        | 13.95                 | 15.00               | No                |
|                     | 802.11 g       | 1       | 2412        | 13.88                 | 15.00               | No                |
|                     |                | 2       | 2417        | 13.87                 | 15.00               | No                |
|                     |                | 3       | 2422        | 14.00                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.98                 | 15.00               | No                |
|                     |                | 6       | 2437        | 13.74                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.78                 | 15.00               | No                |
|                     |                | 10      | 2457        | 13.72                 | 15.00               | No                |
|                     |                | 11      | 2462        | 14.04                 | 15.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 14.11                 | 15.00               | No                |
|                     |                | 2       | 2417        | 13.92                 | 15.00               | No                |
|                     |                | 3       | 2422        | 13.95                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.99                 | 15.00               | No                |
|                     |                | 6       | 2437        | 14.08                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.85                 | 15.00               | No                |
|                     |                | 10      | 2457        | 13.83                 | 15.00               | No                |
|                     |                | 11      | 2462        | 13.86                 | 15.00               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 13.88                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.83                 | 15.00               | No                |
|                     |                | 5       | 2432        | 13.80                 | 15.00               | No                |
|                     |                | 6       | 2437        | 13.91                 | 15.00               | No                |
|                     |                | 7       | 2442        | 13.86                 | 15.00               | No                |
|                     |                | 8       | 2447        | 14.11                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.04                 | 14.50               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 14.06                 | 15.00               | No                |
|                     |                | 2       | 2417        | 13.81                 | 15.00               | No                |
|                     |                | 3       | 2422        | 13.76                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.93                 | 15.00               | No                |
|                     |                | 6       | 2437        | 13.92                 | 15.00               | No                |
|                     |                | 9       | 2452        | 13.99                 | 15.00               | No                |
|                     |                | 10      | 2457        | 13.85                 | 15.00               | No                |
|                     |                | 11      | 2462        | 13.91                 | 15.00               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 13.87                 | 15.00               | No                |
|                     |                | 4       | 2427        | 13.91                 | 15.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 13.88 | 15.00 | No |
|  |  | 6 | 2437 | 13.94 | 15.00 | No |
|  |  | 7 | 2442 | 13.79 | 15.00 | No |
|  |  | 8 | 2447 | 13.89 | 15.00 | No |
|  |  | 9 | 2452 | 12.87 | 14.30 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.398 * (31.62\text{mW}/31.62\text{mW}) = 0.398$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.14 2.4G WIFI-Level3(MIMO)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 19.84                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.79                 | 20.50               | No                |
|                     |                | 11      | 2462        | <b>19.95</b>          | 20.50               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 16.55                 | 17.50               | No                |
|                     |                | 2       | 2417        | 17.65                 | 18.50               | No                |
|                     |                | 3       | 2422        | 18.63                 | 19.50               | No                |
|                     |                | 4       | 2427        | 19.68                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.31                 | 20.50               | No                |
|                     |                | 9       | 2452        | 19.34                 | 20.50               | No                |
|                     |                | 10      | 2457        | 19.05                 | 20.00               | No                |
|                     |                | 11      | 2462        | 16.57                 | 17.50               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 15.91                 | 17.50               | No                |
|                     |                | 2       | 2417        | 18.03                 | 19.50               | No                |
|                     |                | 3       | 2422        | 18.57                 | 20.00               | No                |
|                     |                | 4       | 2427        | 19.03                 | 20.50               | No                |
|                     |                | 6       | 2437        | 18.91                 | 20.50               | No                |
|                     |                | 9       | 2452        | 18.78                 | 20.50               | No                |
|                     |                | 10      | 2457        | 18.39                 | 20.00               | No                |
|                     |                | 11      | 2462        | 14.80                 | 16.50               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 15.80                 | 17.00               | No                |
|                     |                | 4       | 2427        | 15.99                 | 17.00               | No                |
|                     |                | 5       | 2432        | 16.48                 | 17.50               | No                |
|                     |                | 6       | 2437        | 16.04                 | 17.00               | No                |
|                     |                | 7       | 2442        | 15.90                 | 17.00               | No                |
|                     |                | 8       | 2447        | 15.39                 | 16.50               | No                |
|                     |                | 9       | 2452        | 12.62                 | 14.00               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 16.13                 | 17.50               | No                |
|                     |                | 2       | 2417        | 17.29                 | 18.50               | No                |
|                     |                | 3       | 2422        | 17.80                 | 19.00               | No                |
|                     |                | 4       | 2427        | 19.22                 | 20.50               | No                |
|                     |                | 6       | 2437        | 19.11                 | 20.50               | No                |
|                     |                | 9       | 2452        | 19.00                 | 20.50               | No                |
|                     |                | 10      | 2457        | 17.04                 | 18.50               | No                |
|                     |                | 11      | 2462        | 15.23                 | 16.50               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 15.46                 | 16.50               | No                |
|                     |                | 4       | 2427        | 16.10                 | 17.00               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 16.15 | 17.00 | No |
|  |  | 6 | 2437 | 15.61 | 16.50 | No |
|  |  | 7 | 2442 | 15.49 | 16.50 | No |
|  |  | 8 | 2447 | 15.48 | 16.50 | No |
|  |  | 9 | 2452 | 12.26 | 13.50 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.619 * (112.20\text{mW}/112.20\text{mW}) = 0.619$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.15 2.4G WIFI-Level4(MIMO)

| Band (GHz)          | Mode           | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|---------------------|----------------|---------|-------------|-----------------------|---------------------|-------------------|
| 2.4<br>(2.4~2.4835) | 802.11b        | 1       | 2412        | 17.21                 | 18.00               | No                |
|                     |                | 6       | 2437        | 17.27                 | 18.00               | No                |
|                     |                | 11      | 2462        | <b>17.29</b>          | 18.00               | Yes               |
|                     | 802.11 g       | 1       | 2412        | 16.94                 | 17.80               | No                |
|                     |                | 2       | 2417        | 17.27                 | 18.00               | No                |
|                     |                | 3       | 2422        | 17.24                 | 18.00               | No                |
|                     |                | 4       | 2427        | 17.33                 | 18.00               | No                |
|                     |                | 6       | 2437        | 17.47                 | 18.00               | No                |
|                     |                | 9       | 2452        | 17.46                 | 18.00               | No                |
|                     |                | 10      | 2457        | 17.19                 | 18.00               | No                |
|                     |                | 11      | 2462        | 17.08                 | 18.00               | No                |
|                     | 802.11n(HT20)  | 1       | 2412        | 16.33                 | 17.50               | No                |
|                     |                | 2       | 2417        | 16.82                 | 18.00               | No                |
|                     |                | 3       | 2422        | 16.89                 | 18.00               | No                |
|                     |                | 4       | 2427        | 17.12                 | 18.00               | No                |
|                     |                | 6       | 2437        | 17.00                 | 18.00               | No                |
|                     |                | 9       | 2452        | 16.86                 | 18.00               | No                |
|                     |                | 10      | 2457        | 16.70                 | 18.00               | No                |
|                     |                | 11      | 2462        | 15.95                 | 15.00               | No                |
|                     | 802.11n(HT40)  | 3       | 2422        | 16.47                 | 17.50               | No                |
|                     |                | 4       | 2427        | 16.81                 | 17.50               | No                |
|                     |                | 5       | 2432        | 17.07                 | 18.00               | No                |
|                     |                | 6       | 2437        | 16.69                 | 17.50               | No                |
|                     |                | 7       | 2442        | 16.69                 | 17.50               | No                |
|                     |                | 8       | 2447        | 16.53                 | 17.50               | No                |
|                     |                | 9       | 2452        | 15.34                 | 16.50               | No                |
|                     | 802.11ax(HE20) | 1       | 2412        | 16.48                 | 17.50               | No                |
|                     |                | 2       | 2417        | 17.25                 | 18.00               | No                |
|                     |                | 3       | 2422        | 17.35                 | 18.00               | No                |
|                     |                | 4       | 2427        | 17.24                 | 18.00               | No                |
|                     |                | 6       | 2437        | 17.28                 | 18.00               | No                |
|                     |                | 9       | 2452        | 17.03                 | 18.00               | No                |
|                     |                | 10      | 2457        | 17.12                 | 18.00               | No                |
|                     |                | 11      | 2462        | 16.12                 | 17.00               | No                |
|                     | 802.11ax(HE40) | 3       | 2422        | 16.03                 | 17.00               | No                |
|                     |                | 4       | 2427        | 16.75                 | 17.50               | No                |

|  |  |   |      |       |       |    |
|--|--|---|------|-------|-------|----|
|  |  | 5 | 2432 | 16.76 | 17.50 | No |
|  |  | 6 | 2437 | 16.18 | 17.00 | No |
|  |  | 7 | 2442 | 16.40 | 17.00 | No |
|  |  | 8 | 2447 | 16.27 | 17.00 | No |
|  |  | 9 | 2452 | 14.96 | 16.00 | No |

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, 802.11g chosen over 802.11n, and 802.11n chosen over 802.11ax.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, OFDM SAR test is not required.

Adjusted SAR =  $0.327 * (63.10\text{mW}/63.10\text{mW}) = 0.327$  W/Kg, so 2.4G OFDM SAR test is not required.

## 8.6.16 5G WIFI-Level1(ANT11)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | <b>16.17</b>          | 17.50               | Yes               |
|                    |                  | 44      | 5220        | 15.78                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.74                 | 17.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 15.98                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.57                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.45                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 9.93                  | 11.50               | No                |
|                    |                  | 46      | 5230        | 15.22                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 15.95                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 15.59                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.53                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 12.85                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 15.19                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 12.79                 | 14.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 11.16                 | 12.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 16.02                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 15.68                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.59                 | 17.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 12.62                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 14.75                 | 16.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 13.34                 | 15.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 11.21                 | 12.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 15.59                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 15.43                 | 17.00               | No                |
|                    |                  | 64      | 5320        | <b>15.63</b>          | 17.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 15.28                 | 17.00               | No                |
|                    |                  | 60      | 5300        | 15.14                 | 17.00               | No                |
|                    |                  | 64      | 5320        | 15.36                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 14.97                 | 16.00               | No                |
|                    |                  | 62      | 5310        | 13.02                 | 14.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 15.26                 | 17.00               | No                |
|                    |                  | 60      | 5300        | 15.19                 | 17.00               | No                |
|                    |                  | 64      | 5320        | 15.41                 | 17.00               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 15.00                 | 16.00               | No                |
|                    |                  | 62      | 5310        | 13.56                 | 14.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 13.18                 | 14.00               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 15.48        | 17.00 | No  |
|                     |                  | 60  | 5300 | 15.42        | 17.00 | No  |
|                     |                  | 64  | 5320 | 15.58        | 17.00 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 14.68        | 16.00 | No  |
|                     |                  | 62  | 5310 | 13.17        | 14.00 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 13.03        | 14.00 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 15.37        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.38        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.22        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.85        | 17.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 15.01        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.07        | 17.00 | No  |
|                     |                  | 140 | 5700 | 15.69        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.45        | 17.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 14.51        | 16.50 | No  |
|                     |                  | 110 | 5550 | 15.79        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.70        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.52        | 17.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 15.00        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.04        | 17.00 | No  |
|                     |                  | 140 | 5700 | 15.65        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.51        | 17.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 15.10        | 17.00 | No  |
|                     |                  | 110 | 5550 | 15.80        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.70        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.50        | 17.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 15.52        | 17.50 | No  |
|                     |                  | 122 | 5610 | <b>16.67</b> | 17.50 | Yes |
|                     |                  | 138 | 5690 | 16.35        | 17.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | 13.45        | 15.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 15.15        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.16        | 17.50 | No  |
|                     |                  | 140 | 5700 | 14.25        | 16.00 | No  |
|                     |                  | 144 | 5720 | 15.73        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 13.99        | 15.00 | No  |
|                     |                  | 110 | 5550 | 15.39        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.22        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.18        | 17.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 14.81        | 16.00 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 16.52        | 17.50 | No  |
|                      |                 | 138 | 5690 | 16.22        | 17.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 13.25        | 15.00 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 15.59        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.54        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.99        | 16.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 15.31        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.13        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.57        | 16.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 15.23        | 17.00 | No  |
|                      |                 | 159 | 5795 | 15.10        | 17.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 15.34        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.25        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.67        | 16.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 15.29        | 17.00 | No  |
|                      |                 | 159 | 5795 | 15.13        | 17.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>15.99</b> | 17.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 15.60        | 17.50 | No  |
|                      |                 | 157 | 5785 | 15.49        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.98        | 16.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 14.95        | 16.50 | No  |
|                      |                 | 159 | 5795 | 14.78        | 16.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 15.52        | 17.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.17 5G WIFI-Level1(ANT11)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 13.79                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 13.39                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 13.29                 | 15.00               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 13.61                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 13.99                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 13.48                 | 15.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 9.93                  | 11.50               | No                |
|                    |                  | 46      | 5230        | 13.73                 | 15.00               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 13.48                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 13.14                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 13.06                 | 15.00               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 12.85                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 13.64                 | 15.00               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 12.79                 | 14.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 11.16                 | 12.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 13.46                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 13.16                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 13.08                 | 15.00               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 12.62                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 13.28                 | 15.00               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 13.34                 | 15.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 11.21                 | 12.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 13.16                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 13.37                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 13.23                 | 15.00               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 13.29                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 13.08                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 13.38                 | 15.00               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | <b>13.94</b>          | 15.00               | Yes               |
|                    |                  | 62      | 5310        | 13.02                 | 14.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 13.34                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 13.11                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 13.50                 | 15.00               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 13.97                 | 15.00               | No                |
|                    |                  | 62      | 5310        | 13.56                 | 14.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 13.18                 | 14.00               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 13.41        | 15.00 | No  |
|                     |                  | 60  | 5300 | 13.37        | 15.00 | No  |
|                     |                  | 64  | 5320 | 13.50        | 15.00 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 13.80        | 15.00 | No  |
|                     |                  | 62  | 5310 | 13.17        | 14.00 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 13.03        | 14.00 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 13.45        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.45        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.35        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.38        | 14.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 13.14        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.22        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.50        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.16        | 14.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 13.15        | 14.50 | No  |
|                     |                  | 110 | 5550 | 13.58        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.53        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.23        | 14.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 13.41        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.32        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.43        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.12        | 14.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 13.27        | 14.50 | No  |
|                     |                  | 110 | 5550 | 13.20        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.25        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.18        | 14.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 13.33        | 14.50 | No  |
|                     |                  | 122 | 5610 | 13.47        | 14.50 | No  |
|                     |                  | 138 | 5690 | 13.39        | 14.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>13.43</b> | 14.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 13.21        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.41        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.57        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.44        | 14.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 13.36        | 14.50 | No  |
|                     |                  | 110 | 5550 | 13.51        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.41        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.50        | 14.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 13.34        | 14.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 13.47        | 14.50 | No  |
|                      |                 | 138 | 5690 | 13.37        | 14.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 13.11        | 14.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 12.85        | 14.00 | No  |
|                      |                 | 157 | 5785 | 12.70        | 14.00 | No  |
|                      |                 | 165 | 5825 | 12.79        | 14.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 12.87        | 14.00 | No  |
|                      |                 | 157 | 5785 | 12.61        | 14.00 | No  |
|                      |                 | 165 | 5825 | 13.04        | 14.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 12.85        | 14.00 | No  |
|                      |                 | 159 | 5795 | 12.75        | 14.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 12.98        | 14.00 | No  |
|                      |                 | 157 | 5785 | 12.85        | 14.00 | No  |
|                      |                 | 165 | 5825 | 12.80        | 14.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 12.73        | 14.00 | No  |
|                      |                 | 159 | 5795 | 12.83        | 14.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>12.74</b> | 14.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 12.82        | 14.00 | No  |
|                      |                 | 157 | 5785 | 12.91        | 14.00 | No  |
|                      |                 | 165 | 5825 | 12.78        | 14.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 12.95        | 14.00 | No  |
|                      |                 | 159 | 5795 | 12.95        | 14.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 12.83        | 14.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.18 5G WIFI-Level2(ANT11)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 9.33                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.49                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.19                  | 10.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 9.49                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.15                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.31                  | 10.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 9.18                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.47                  | 10.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 9.42                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.21                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.30                  | 10.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 9.46                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.22                  | 10.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 9.18                  | 10.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 9.48                  | 10.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 9.27                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.19                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.27                  | 10.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 9.55                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.11                  | 10.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 9.26                  | 10.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 9.45                  | 10.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 9.57                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.54                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.41                  | 10.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 9.47                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.13                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.41                  | 10.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 9.18                  | 10.50               | No                |
|                    |                  | 62      | 5310        | 9.38                  | 10.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 9.22                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.41                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.44                  | 10.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 9.46                  | 10.50               | No                |
|                    |                  | 62      | 5310        | 9.47                  | 10.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>9.41</b>           | 10.50               | Yes               |

|                     |                  |     |      |             |       |     |
|---------------------|------------------|-----|------|-------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 9.12        | 10.50 | No  |
|                     |                  | 60  | 5300 | 9.13        | 10.50 | No  |
|                     |                  | 64  | 5320 | 9.39        | 10.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 9.47        | 10.50 | No  |
|                     |                  | 62  | 5310 | 9.56        | 10.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 9.32        | 10.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 9.21        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.50        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.45        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.45        | 10.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 9.43        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.29        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.55        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.22        | 10.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 9.15        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.40        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.41        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.36        | 10.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 9.49        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.26        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.27        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.27        | 10.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 9.51        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.25        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.23        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.26        | 10.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 9.57        | 10.50 | No  |
|                     |                  | 122 | 5610 | 9.50        | 10.50 | No  |
|                     |                  | 138 | 5690 | 9.43        | 10.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>9.50</b> | 10.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 9.25        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.28        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.23        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.43        | 10.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 9.36        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.15        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.52        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.22        | 10.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 9.17        | 10.50 | No  |

|                      |                 |     |      |             |       |     |
|----------------------|-----------------|-----|------|-------------|-------|-----|
|                      |                 | 122 | 5610 | 9.34        | 10.50 | No  |
|                      |                 | 138 | 5690 | 9.41        | 10.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 9.27        | 10.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 9.16        | 10.50 | No  |
|                      |                 | 157 | 5785 | 9.32        | 10.50 | No  |
|                      |                 | 165 | 5825 | 9.20        | 10.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 9.30        | 10.50 | No  |
|                      |                 | 157 | 5785 | 9.28        | 10.50 | No  |
|                      |                 | 165 | 5825 | 9.52        | 10.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 9.35        | 10.50 | No  |
|                      |                 | 159 | 5795 | 9.26        | 10.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 9.55        | 10.50 | No  |
|                      |                 | 157 | 5785 | 9.51        | 10.50 | No  |
|                      |                 | 165 | 5825 | 9.35        | 10.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 9.11        | 10.50 | No  |
|                      |                 | 159 | 5795 | 9.37        | 10.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>9.45</b> | 10.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 9.58        | 10.50 | No  |
|                      |                 | 157 | 5785 | 9.11        | 10.50 | No  |
|                      |                 | 165 | 5825 | 9.20        | 10.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 9.29        | 10.50 | No  |
|                      |                 | 159 | 5795 | 9.18        | 10.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 9.17        | 10.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.19 5G WIFI-Level3(ANT11)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | <b>16.17</b>          | 17.50               | Yes               |
|                    |                  | 44      | 5220        | 15.78                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.74                 | 17.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 15.98                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.57                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.45                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 9.93                  | 11.50               | No                |
|                    |                  | 46      | 5230        | 15.22                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 15.95                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 15.59                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.53                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 12.85                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 15.19                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 12.79                 | 14.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 11.16                 | 12.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 16.02                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 15.68                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 15.59                 | 17.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 12.62                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 14.75                 | 16.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 13.34                 | 15.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 11.21                 | 12.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 15.59                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 15.43                 | 17.00               | No                |
|                    |                  | 64      | 5320        | <b>15.63</b>          | 17.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 15.28                 | 17.00               | No                |
|                    |                  | 60      | 5300        | 15.14                 | 17.00               | No                |
|                    |                  | 64      | 5320        | 15.36                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 14.97                 | 16.00               | No                |
|                    |                  | 62      | 5310        | 13.02                 | 14.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 15.26                 | 17.00               | No                |
|                    |                  | 60      | 5300        | 15.19                 | 17.00               | No                |
|                    |                  | 64      | 5320        | 15.41                 | 17.00               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 15.00                 | 16.00               | No                |
|                    |                  | 62      | 5310        | 13.56                 | 14.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 13.18                 | 14.00               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 15.48        | 17.00 | No  |
|                     |                  | 60  | 5300 | 15.42        | 17.00 | No  |
|                     |                  | 64  | 5320 | 15.58        | 17.00 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 14.68        | 16.00 | No  |
|                     |                  | 62  | 5310 | 13.17        | 14.00 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 13.03        | 14.00 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 15.37        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.38        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.22        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.85        | 17.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 15.01        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.07        | 17.00 | No  |
|                     |                  | 140 | 5700 | 15.69        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.45        | 17.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 14.51        | 16.50 | No  |
|                     |                  | 110 | 5550 | 15.79        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.70        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.52        | 17.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 15.00        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.04        | 17.00 | No  |
|                     |                  | 140 | 5700 | 15.65        | 17.00 | No  |
|                     |                  | 144 | 5720 | 15.51        | 17.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 15.10        | 17.00 | No  |
|                     |                  | 110 | 5550 | 15.80        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.70        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.50        | 17.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 15.52        | 17.50 | No  |
|                     |                  | 122 | 5610 | <b>16.67</b> | 17.50 | Yes |
|                     |                  | 138 | 5690 | 16.35        | 17.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | 13.45        | 15.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 15.15        | 17.00 | No  |
|                     |                  | 116 | 5580 | 16.16        | 17.50 | No  |
|                     |                  | 140 | 5700 | 14.25        | 16.00 | No  |
|                     |                  | 144 | 5720 | 15.73        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 13.99        | 15.00 | No  |
|                     |                  | 110 | 5550 | 15.39        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.22        | 17.00 | No  |
|                     |                  | 142 | 5710 | 15.18        | 17.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 14.81        | 16.00 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 16.52        | 17.50 | No  |
|                      |                 | 138 | 5690 | 16.22        | 17.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 13.25        | 15.00 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 15.59        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.54        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.99        | 16.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 15.31        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.13        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.57        | 16.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 15.23        | 17.00 | No  |
|                      |                 | 159 | 5795 | 15.10        | 17.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 15.34        | 17.00 | No  |
|                      |                 | 157 | 5785 | 15.25        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.67        | 16.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 15.29        | 17.00 | No  |
|                      |                 | 159 | 5795 | 15.13        | 17.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>15.99</b> | 17.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 15.60        | 17.50 | No  |
|                      |                 | 157 | 5785 | 15.49        | 17.00 | No  |
|                      |                 | 165 | 5825 | 14.98        | 16.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 14.95        | 16.50 | No  |
|                      |                 | 159 | 5795 | 14.78        | 16.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 15.52        | 17.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.20 5G WIFI-Level4(ANT11)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 11.36                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.50                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.49                 | 12.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 11.21                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.39                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.48                 | 12.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 11.54                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.36                 | 12.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 11.19                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.28                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.25                 | 12.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 11.40                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.28                 | 12.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | <b>11.23</b>          | 12.50               | Yes               |
|                    | 802.11ac(VHT160) | 50      | 5250        | 11.16                 | 12.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 11.31                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.33                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.13                 | 12.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 11.11                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.30                 | 12.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 11.35                 | 12.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 11.21                 | 12.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 11.12                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.43                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.34                 | 12.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 11.25                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.17                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.45                 | 12.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 11.14                 | 12.50               | No                |
|                    |                  | 62      | 5310        | 11.32                 | 12.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 11.34                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.45                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.46                 | 12.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 11.38                 | 12.50               | No                |
|                    |                  | 62      | 5310        | 11.27                 | 12.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>11.35</b>          | 12.50               | Yes               |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 11.55        | 12.50 | No  |
|                     |                  | 60  | 5300 | 11.56        | 12.50 | No  |
|                     |                  | 64  | 5320 | 11.14        | 12.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 11.55        | 12.50 | No  |
|                     |                  | 62  | 5310 | 11.42        | 12.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 11.15        | 12.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 11.33        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.15        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.30        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.19        | 12.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 11.23        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.40        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.58        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.55        | 12.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 11.17        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.36        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.44        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.47        | 12.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 11.41        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.50        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.13        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.49        | 12.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 11.48        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.34        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.37        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.21        | 12.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 11.44        | 12.50 | No  |
|                     |                  | 122 | 5610 | 11.16        | 12.50 | No  |
|                     |                  | 138 | 5690 | 11.27        | 12.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>11.18</b> | 12.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 11.43        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.48        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.15        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.27        | 12.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 11.25        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.57        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.52        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.37        | 12.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 11.45        | 12.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 11.55        | 12.50 | No  |
|                      |                 | 138 | 5690 | 11.19        | 12.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 11.28        | 12.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 11.51        | 12.50 | No  |
|                      |                 | 157 | 5785 | 11.38        | 12.50 | No  |
|                      |                 | 165 | 5825 | 11.21        | 12.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 11.29        | 12.50 | No  |
|                      |                 | 157 | 5785 | 11.18        | 12.50 | No  |
|                      |                 | 165 | 5825 | 11.38        | 12.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 11.50        | 12.50 | No  |
|                      |                 | 159 | 5795 | 11.46        | 12.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 11.30        | 12.50 | No  |
|                      |                 | 157 | 5785 | 11.19        | 12.50 | No  |
|                      |                 | 165 | 5825 | 11.21        | 12.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 11.15        | 12.50 | No  |
|                      |                 | 159 | 5795 | 11.40        | 12.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>11.27</b> | 12.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 11.29        | 12.50 | No  |
|                      |                 | 157 | 5785 | 11.55        | 12.50 | No  |
|                      |                 | 165 | 5825 | 11.47        | 12.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 11.37        | 12.50 | No  |
|                      |                 | 159 | 5795 | 11.15        | 12.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 11.37        | 12.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.21 5G WIFI-Full power(ANT15)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 16.79                 | 17.50               | No                |
|                    |                  | 44      | 5220        | <b>17.13</b>          | 17.50               | Yes               |
|                    |                  | 48      | 5240        | 16.75                 | 17.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 16.37                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.73                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.53                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 11.79                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 16.28                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 16.08                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.46                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.11                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 14.01                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 16.06                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 14.98                 | 15.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 12.90                 | 13.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 16.57                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.99                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.67                 | 17.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 13.65                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 16.35                 | 16.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 15.27                 | 16.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 13.02                 | 13.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 16.71                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.76                 | 17.50               | No                |
|                    |                  | 64      | 5320        | <b>17.21</b>          | 17.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 16.52                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.53                 | 17.50               | No                |
|                    |                  | 64      | 5320        | 16.86                 | 17.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 16.27                 | 17.00               | No                |
|                    |                  | 62      | 5310        | 14.96                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 16.42                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.55                 | 17.50               | No                |
|                    |                  | 64      | 5320        | 16.84                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 16.24                 | 17.00               | No                |
|                    |                  | 62      | 5310        | 15.46                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 15.15                 | 16.50               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 16.63        | 17.50 | No  |
|                     |                  | 60  | 5300 | 16.75        | 17.50 | No  |
|                     |                  | 64  | 5320 | 17.03        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 15.48        | 17.00 | No  |
|                     |                  | 62  | 5310 | 15.11        | 16.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 15.06        | 16.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 14.54        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.93        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.98        | 17.00 | No  |
|                     |                  | 144 | 5720 | 17.01        | 17.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 14.30        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.69        | 17.00 | No  |
|                     |                  | 140 | 5700 | 16.49        | 17.00 | No  |
|                     |                  | 144 | 5720 | 16.73        | 17.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 12.10        | 13.50 | No  |
|                     |                  | 110 | 5550 | 15.48        | 17.00 | No  |
|                     |                  | 134 | 5670 | 16.01        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.49        | 17.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 14.33        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.69        | 17.00 | No  |
|                     |                  | 140 | 5700 | 16.51        | 17.00 | No  |
|                     |                  | 144 | 5720 | 16.70        | 17.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 12.66        | 14.00 | No  |
|                     |                  | 110 | 5550 | 15.43        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.98        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.43        | 17.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 14.32        | 15.50 | No  |
|                     |                  | 122 | 5610 | 16.63        | 17.50 | No  |
|                     |                  | 138 | 5690 | <b>17.12</b> | 17.50 | Yes |
|                     | 802.11ac(VHT160) | 114 | 5570 | 13.21        | 15.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 14.59        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.83        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.33        | 16.00 | No  |
|                     |                  | 144 | 5720 | 16.95        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 11.73        | 13.00 | No  |
|                     |                  | 110 | 5550 | 15.06        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.52        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.12        | 17.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 13.64        | 15.00 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 16.52        | 17.50 | No  |
|                      |                 | 138 | 5690 | 16.99        | 17.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 12.72        | 14.00 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 17.14        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.47        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.76        | 17.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 16.70        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.13        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.48        | 17.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 16.72        | 18.00 | No  |
|                      |                 | 159 | 5795 | 16.85        | 18.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 16.79        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.17        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.47        | 17.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 16.70        | 18.00 | No  |
|                      |                 | 159 | 5795 | 16.88        | 18.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>17.84</b> | 18.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 16.99        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.31        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.69        | 17.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 16.41        | 17.50 | No  |
|                      |                 | 159 | 5795 | 16.69        | 17.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 17.17        | 18.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.22 5G WIFI-Level1(ANT15)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 14.29                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 14.66                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 14.38                 | 15.00               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 13.90                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 14.35                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 14.62                 | 15.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 11.79                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 14.87                 | 15.00               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 13.56                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 13.89                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 13.64                 | 15.00               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 14.01                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 14.54                 | 15.00               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 14.48                 | 15.00               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 12.90                 | 13.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 14.19                 | 15.00               | No                |
|                    |                  | 44      | 5220        | 14.47                 | 15.00               | No                |
|                    |                  | 48      | 5240        | 14.21                 | 15.00               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 13.65                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 14.81                 | 15.00               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 14.27                 | 15.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 13.02                 | 13.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 14.22                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 14.39                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 14.80                 | 15.00               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 13.96                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 13.95                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 14.47                 | 15.00               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 14.85                 | 15.00               | No                |
|                    |                  | 62      | 5310        | 14.05                 | 15.00               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 13.94                 | 15.00               | No                |
|                    |                  | 60      | 5300        | 14.03                 | 15.00               | No                |
|                    |                  | 64      | 5320        | 14.28                 | 15.00               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 14.26                 | 15.00               | No                |
|                    |                  | 62      | 5310        | 14.59                 | 15.00               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>14.10</b>          | 15.00               | Yes               |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 14.67        | 15.00 | No  |
|                     |                  | 60  | 5300 | 14.86        | 15.00 | No  |
|                     |                  | 64  | 5320 | 14.96        | 15.00 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 14.48        | 15.00 | No  |
|                     |                  | 62  | 5310 | 14.17        | 15.00 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 14.05        | 15.00 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 13.34        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.31        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.36        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.43        | 14.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 13.29        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.48        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.28        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.09        | 14.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 12.10        | 13.50 | No  |
|                     |                  | 110 | 5550 | 13.44        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.42        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.18        | 14.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 13.30        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.32        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.55        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.51        | 14.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 12.66        | 14.00 | No  |
|                     |                  | 110 | 5550 | 13.44        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.61        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.55        | 14.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 13.43        | 14.50 | No  |
|                     |                  | 122 | 5610 | 13.50        | 14.50 | No  |
|                     |                  | 138 | 5690 | 13.52        | 14.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>13.21</b> | 14.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 13.35        | 14.50 | No  |
|                     |                  | 116 | 5580 | 13.23        | 14.50 | No  |
|                     |                  | 140 | 5700 | 13.99        | 14.50 | No  |
|                     |                  | 144 | 5720 | 13.48        | 14.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 11.73        | 13.00 | No  |
|                     |                  | 110 | 5550 | 12.72        | 14.50 | No  |
|                     |                  | 134 | 5670 | 13.47        | 14.50 | No  |
|                     |                  | 142 | 5710 | 13.36        | 14.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 13.29        | 14.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 13.64        | 14.50 | No  |
|                      |                 | 138 | 5690 | 13.44        | 14.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 12.72        | 14.00 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 14.07        | 15.00 | No  |
|                      |                 | 157 | 5785 | 14.55        | 15.00 | No  |
|                      |                 | 165 | 5825 | 14.27        | 15.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 13.64        | 15.00 | No  |
|                      |                 | 157 | 5785 | 14.12        | 15.00 | No  |
|                      |                 | 165 | 5825 | 13.94        | 15.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 13.68        | 15.00 | No  |
|                      |                 | 159 | 5795 | 13.76        | 15.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 13.77        | 15.00 | No  |
|                      |                 | 157 | 5785 | 14.14        | 15.00 | No  |
|                      |                 | 165 | 5825 | 13.93        | 15.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 13.75        | 15.00 | No  |
|                      |                 | 159 | 5795 | 13.84        | 15.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>14.40</b> | 15.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 13.95        | 15.00 | No  |
|                      |                 | 157 | 5785 | 14.30        | 15.00 | No  |
|                      |                 | 165 | 5825 | 14.21        | 15.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 13.94        | 15.00 | No  |
|                      |                 | 159 | 5795 | 14.11        | 15.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 14.16        | 15.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.23 5G WIFI-Level2(ANT15)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 9.55                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.56                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.44                  | 10.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 9.68                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.51                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.67                  | 10.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 9.54                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.64                  | 10.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 9.50                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.58                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.49                  | 10.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 9.65                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.58                  | 10.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 9.67                  | 10.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 9.54                  | 10.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 9.43                  | 10.50               | No                |
|                    |                  | 44      | 5220        | 9.42                  | 10.50               | No                |
|                    |                  | 48      | 5240        | 9.61                  | 10.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 9.67                  | 10.50               | No                |
|                    |                  | 46      | 5230        | 9.53                  | 10.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 9.46                  | 10.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 9.48                  | 10.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 9.64                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.53                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.68                  | 10.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 9.44                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.55                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.59                  | 10.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 9.44                  | 10.50               | No                |
|                    |                  | 62      | 5310        | 9.59                  | 10.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 9.68                  | 10.50               | No                |
|                    |                  | 60      | 5300        | 9.43                  | 10.50               | No                |
|                    |                  | 64      | 5320        | 9.65                  | 10.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 9.54                  | 10.50               | No                |
|                    |                  | 62      | 5310        | 9.56                  | 10.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>9.65</b>           | 10.50               | Yes               |

|                     |                  |     |      |             |       |     |
|---------------------|------------------|-----|------|-------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 9.68        | 10.50 | No  |
|                     |                  | 60  | 5300 | 9.46        | 10.50 | No  |
|                     |                  | 64  | 5320 | 9.42        | 10.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 9.50        | 10.50 | No  |
|                     |                  | 62  | 5310 | 9.46        | 10.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 9.47        | 10.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 9.51        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.50        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.64        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.68        | 10.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 9.41        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.63        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.46        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.65        | 10.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 9.68        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.58        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.61        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.45        | 10.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 9.46        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.53        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.67        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.68        | 10.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 9.66        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.57        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.41        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.46        | 10.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 9.46        | 10.50 | No  |
|                     |                  | 122 | 5610 | 9.50        | 10.50 | No  |
|                     |                  | 138 | 5690 | 9.68        | 10.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>9.57</b> | 10.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 9.50        | 10.50 | No  |
|                     |                  | 116 | 5580 | 9.51        | 10.50 | No  |
|                     |                  | 140 | 5700 | 9.64        | 10.50 | No  |
|                     |                  | 144 | 5720 | 9.64        | 10.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 9.65        | 10.50 | No  |
|                     |                  | 110 | 5550 | 9.53        | 10.50 | No  |
|                     |                  | 134 | 5670 | 9.55        | 10.50 | No  |
|                     |                  | 142 | 5710 | 9.60        | 10.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 9.58        | 10.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 9.58         | 10.50 | No  |
|                      |                 | 138 | 5690 | 9.64         | 10.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 9.54         | 10.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 10.78        | 11.50 | No  |
|                      |                 | 157 | 5785 | 10.62        | 11.50 | No  |
|                      |                 | 165 | 5825 | 10.52        | 11.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 10.76        | 11.50 | No  |
|                      |                 | 157 | 5785 | 10.70        | 11.50 | No  |
|                      |                 | 165 | 5825 | 10.61        | 11.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 10.49        | 11.50 | No  |
|                      |                 | 159 | 5795 | 10.54        | 11.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 10.44        | 11.50 | No  |
|                      |                 | 157 | 5785 | 10.73        | 11.50 | No  |
|                      |                 | 165 | 5825 | 10.51        | 11.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 10.65        | 11.50 | No  |
|                      |                 | 159 | 5795 | 10.73        | 11.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>10.63</b> | 11.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 10.50        | 11.50 | No  |
|                      |                 | 157 | 5785 | 10.80        | 11.50 | No  |
|                      |                 | 165 | 5825 | 10.81        | 11.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 10.86        | 11.50 | No  |
|                      |                 | 159 | 5795 | 10.83        | 11.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 10.79        | 11.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.24 5G WIFI-Level3(ANT15)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 16.79                 | 17.50               | No                |
|                    |                  | 44      | 5220        | <b>17.13</b>          | 17.50               | Yes               |
|                    |                  | 48      | 5240        | 16.75                 | 17.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 16.37                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.73                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.53                 | 17.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 11.79                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 16.28                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 16.08                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.46                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.11                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 14.01                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 16.06                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 14.98                 | 15.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 12.90                 | 13.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 16.57                 | 17.50               | No                |
|                    |                  | 44      | 5220        | 16.99                 | 17.50               | No                |
|                    |                  | 48      | 5240        | 16.67                 | 17.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 13.65                 | 14.50               | No                |
|                    |                  | 46      | 5230        | 16.35                 | 16.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 15.27                 | 16.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 13.02                 | 13.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 16.71                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.76                 | 17.50               | No                |
|                    |                  | 64      | 5320        | <b>17.21</b>          | 17.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 16.52                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.53                 | 17.50               | No                |
|                    |                  | 64      | 5320        | 16.86                 | 17.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 16.27                 | 17.00               | No                |
|                    |                  | 62      | 5310        | 14.96                 | 16.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 16.42                 | 17.50               | No                |
|                    |                  | 60      | 5300        | 16.55                 | 17.50               | No                |
|                    |                  | 64      | 5320        | 16.84                 | 17.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 16.24                 | 17.00               | No                |
|                    |                  | 62      | 5310        | 15.46                 | 16.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 15.15                 | 16.50               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 16.63        | 17.50 | No  |
|                     |                  | 60  | 5300 | 16.75        | 17.50 | No  |
|                     |                  | 64  | 5320 | 17.03        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 15.48        | 17.00 | No  |
|                     |                  | 62  | 5310 | 15.11        | 16.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 15.06        | 16.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 14.54        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.93        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.98        | 17.00 | No  |
|                     |                  | 144 | 5720 | 17.01        | 17.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 14.30        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.69        | 17.00 | No  |
|                     |                  | 140 | 5700 | 16.49        | 17.00 | No  |
|                     |                  | 144 | 5720 | 16.73        | 17.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 12.10        | 13.50 | No  |
|                     |                  | 110 | 5550 | 15.48        | 17.00 | No  |
|                     |                  | 134 | 5670 | 16.01        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.49        | 17.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 14.33        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.69        | 17.00 | No  |
|                     |                  | 140 | 5700 | 16.51        | 17.00 | No  |
|                     |                  | 144 | 5720 | 16.70        | 17.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 12.66        | 14.00 | No  |
|                     |                  | 110 | 5550 | 15.43        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.98        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.43        | 17.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 14.32        | 15.50 | No  |
|                     |                  | 122 | 5610 | 16.63        | 17.50 | No  |
|                     |                  | 138 | 5690 | <b>17.12</b> | 17.50 | Yes |
|                     | 802.11ac(VHT160) | 114 | 5570 | 13.21        | 15.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 14.59        | 16.00 | No  |
|                     |                  | 116 | 5580 | 15.83        | 17.50 | No  |
|                     |                  | 140 | 5700 | 15.33        | 16.00 | No  |
|                     |                  | 144 | 5720 | 16.95        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 11.73        | 13.00 | No  |
|                     |                  | 110 | 5550 | 15.06        | 17.00 | No  |
|                     |                  | 134 | 5670 | 15.52        | 17.00 | No  |
|                     |                  | 142 | 5710 | 16.12        | 17.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 13.64        | 15.00 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 16.52        | 17.50 | No  |
|                      |                 | 138 | 5690 | 16.99        | 17.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 12.72        | 14.00 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 17.14        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.47        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.76        | 17.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 16.70        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.13        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.48        | 17.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 16.72        | 18.00 | No  |
|                      |                 | 159 | 5795 | 16.85        | 18.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 16.79        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.17        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.47        | 17.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 16.70        | 18.00 | No  |
|                      |                 | 159 | 5795 | 16.88        | 18.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>17.84</b> | 18.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 16.99        | 18.00 | No  |
|                      |                 | 157 | 5785 | 17.31        | 18.00 | No  |
|                      |                 | 165 | 5825 | 16.69        | 17.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 16.41        | 17.50 | No  |
|                      |                 | 159 | 5795 | 16.69        | 17.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 17.17        | 18.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.25 5G WIFI-Level4(ANT15)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 11.51                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.59                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.51                 | 12.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 11.59                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.62                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.57                 | 12.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 11.55                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.63                 | 12.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 11.67                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.57                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.51                 | 12.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 11.57                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.58                 | 12.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | <b>11.52</b>          | 12.50               | Yes               |
|                    | 802.11ac(VHT160) | 50      | 5250        | 11.56                 | 12.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 11.55                 | 12.50               | No                |
|                    |                  | 44      | 5220        | 11.49                 | 12.50               | No                |
|                    |                  | 48      | 5240        | 11.45                 | 12.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 11.56                 | 12.50               | No                |
|                    |                  | 46      | 5230        | 11.50                 | 12.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 11.67                 | 12.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 11.57                 | 12.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 11.65                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.63                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.49                 | 12.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 11.55                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.41                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.41                 | 12.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 11.58                 | 12.50               | No                |
|                    |                  | 62      | 5310        | 11.56                 | 12.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 11.55                 | 12.50               | No                |
|                    |                  | 60      | 5300        | 11.56                 | 12.50               | No                |
|                    |                  | 64      | 5320        | 11.62                 | 12.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 11.63                 | 12.50               | No                |
|                    |                  | 62      | 5310        | 11.52                 | 12.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>11.52</b>          | 12.50               | Yes               |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 11.56        | 12.50 | No  |
|                     |                  | 60  | 5300 | 11.68        | 12.50 | No  |
|                     |                  | 64  | 5320 | 11.56        | 12.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 11.54        | 12.50 | No  |
|                     |                  | 62  | 5310 | 11.59        | 12.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 11.56        | 12.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 11.53        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.64        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.52        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.44        | 12.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 11.67        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.42        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.62        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.57        | 12.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 11.61        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.58        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.68        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.49        | 12.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 11.58        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.41        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.60        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.51        | 12.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 11.52        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.52        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.55        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.43        | 12.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 11.56        | 12.50 | No  |
|                     |                  | 122 | 5610 | 11.65        | 12.50 | No  |
|                     |                  | 138 | 5690 | 11.52        | 12.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>11.45</b> | 12.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 11.68        | 12.50 | No  |
|                     |                  | 116 | 5580 | 11.48        | 12.50 | No  |
|                     |                  | 140 | 5700 | 11.62        | 12.50 | No  |
|                     |                  | 144 | 5720 | 11.66        | 12.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 11.63        | 12.50 | No  |
|                     |                  | 110 | 5550 | 11.63        | 12.50 | No  |
|                     |                  | 134 | 5670 | 11.62        | 12.50 | No  |
|                     |                  | 142 | 5710 | 11.46        | 12.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 11.53        | 12.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 11.45        | 12.50 | No  |
|                      |                 | 138 | 5690 | 11.66        | 12.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 11.42        | 12.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 12.54        | 13.50 | No  |
|                      |                 | 157 | 5785 | 12.58        | 13.50 | No  |
|                      |                 | 165 | 5825 | 12.55        | 13.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 12.51        | 13.50 | No  |
|                      |                 | 157 | 5785 | 12.48        | 13.50 | No  |
|                      |                 | 165 | 5825 | 12.46        | 13.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 12.52        | 13.50 | No  |
|                      |                 | 159 | 5795 | 12.49        | 13.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 12.51        | 13.50 | No  |
|                      |                 | 157 | 5785 | 12.58        | 13.50 | No  |
|                      |                 | 165 | 5825 | 12.60        | 13.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 12.50        | 13.50 | No  |
|                      |                 | 159 | 5795 | 12.42        | 13.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>12.45</b> | 13.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 12.55        | 13.50 | No  |
|                      |                 | 157 | 5785 | 12.50        | 13.50 | No  |
|                      |                 | 165 | 5825 | 12.51        | 13.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 12.55        | 13.50 | No  |
|                      |                 | 159 | 5795 | 12.57        | 13.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 12.46        | 13.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.26 5G WIFI-Full power(MIMO)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 19.50                 | 20.50               | No                |
|                    |                  | 44      | 5220        | <b>19.52</b>          | 20.50               | Yes               |
|                    |                  | 48      | 5240        | 19.28                 | 20.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 19.19                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.66                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 19.03                 | 20.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 13.97                 | 15.00               | No                |
|                    |                  | 46      | 5230        | 18.79                 | 19.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 19.03                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.06                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 18.84                 | 20.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 16.48                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 18.66                 | 19.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 17.03                 | 18.00               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 15.13                 | 16.00               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 19.31                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.39                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 19.17                 | 20.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 16.18                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 18.63                 | 19.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 17.42                 | 18.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 15.22                 | 16.00               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 19.20                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 19.16                 | 20.50               | No                |
|                    |                  | 64      | 5320        | <b>19.50</b>          | 20.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 18.95                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 18.90                 | 20.50               | No                |
|                    |                  | 64      | 5320        | 19.18                 | 20.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 18.68                 | 19.50               | No                |
|                    |                  | 62      | 5310        | 17.11                 | 18.60               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 18.89                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 18.93                 | 20.50               | No                |
|                    |                  | 64      | 5320        | 19.19                 | 20.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 18.67                 | 19.50               | No                |
|                    |                  | 62      | 5310        | 17.62                 | 18.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 17.29                 | 18.50               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 19.10        | 20.50 | No  |
|                     |                  | 60  | 5300 | 19.15        | 20.50 | No  |
|                     |                  | 64  | 5320 | 19.38        | 20.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 18.11        | 19.50 | No  |
|                     |                  | 62  | 5310 | 17.26        | 18.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 17.17        | 18.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 17.99        | 19.50 | No  |
|                     |                  | 116 | 5580 | 19.17        | 20.50 | No  |
|                     |                  | 140 | 5700 | 18.63        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.48        | 20.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 17.68        | 19.50 | No  |
|                     |                  | 116 | 5580 | 18.89        | 20.00 | No  |
|                     |                  | 140 | 5700 | 19.12        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.15        | 20.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 16.48        | 18.00 | No  |
|                     |                  | 110 | 5550 | 18.65        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.87        | 20.00 | No  |
|                     |                  | 142 | 5710 | 19.04        | 20.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 17.69        | 19.50 | No  |
|                     |                  | 116 | 5580 | 18.88        | 20.00 | No  |
|                     |                  | 140 | 5700 | 19.11        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.16        | 20.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 17.06        | 18.50 | No  |
|                     |                  | 110 | 5550 | 18.63        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.85        | 20.00 | No  |
|                     |                  | 142 | 5710 | 19.00        | 20.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 17.97        | 19.50 | No  |
|                     |                  | 122 | 5610 | 19.66        | 20.50 | No  |
|                     |                  | 138 | 5690 | <b>19.76</b> | 20.50 | Yes |
|                     | 802.11ac(VHT160) | 114 | 5570 | 16.34        | 18.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 17.89        | 19.50 | No  |
|                     |                  | 116 | 5580 | 19.01        | 20.50 | No  |
|                     |                  | 140 | 5700 | 17.83        | 19.00 | No  |
|                     |                  | 144 | 5720 | 19.39        | 20.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 16.02        | 17.00 | No  |
|                     |                  | 110 | 5550 | 18.24        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.38        | 20.00 | No  |
|                     |                  | 142 | 5710 | 18.69        | 20.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 17.27        | 18.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 19.53        | 20.50 | No  |
|                      |                 | 138 | 5690 | 19.63        | 20.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 16.00        | 17.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 19.44        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.62        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.97        | 20.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 19.07        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.25        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.64        | 20.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 19.05        | 20.50 | No  |
|                      |                 | 159 | 5795 | 19.07        | 20.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 19.14        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.33        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.67        | 20.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 19.06        | 20.50 | No  |
|                      |                 | 159 | 5795 | 19.10        | 20.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>20.02</b> | 21.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 19.36        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.50        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.93        | 20.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 18.75        | 20.00 | No  |
|                      |                 | 159 | 5795 | 18.85        | 20.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 19.43        | 20.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.27 5G WIFI-Level1(MIMO)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 17.06                 | 18.00               | No                |
|                    |                  | 44      | 5220        | 17.08                 | 18.00               | No                |
|                    |                  | 48      | 5240        | 16.88                 | 18.00               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 16.77                 | 18.00               | No                |
|                    |                  | 44      | 5220        | 17.18                 | 18.00               | No                |
|                    |                  | 48      | 5240        | 17.10                 | 18.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 13.97                 | 15.00               | No                |
|                    |                  | 46      | 5230        | 17.35                 | 18.00               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 16.53                 | 18.00               | No                |
|                    |                  | 44      | 5220        | 16.54                 | 18.00               | No                |
|                    |                  | 48      | 5240        | 16.37                 | 18.00               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 16.48                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 17.12                 | 18.00               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 16.73                 | 18.00               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 15.13                 | 16.00               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 16.85                 | 18.00               | No                |
|                    |                  | 44      | 5220        | 16.87                 | 18.00               | No                |
|                    |                  | 48      | 5240        | 16.69                 | 18.00               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 16.18                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 17.12                 | 18.00               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 16.84                 | 18.00               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 15.22                 | 16.00               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 16.73                 | 18.00               | No                |
|                    |                  | 60      | 5300        | 16.92                 | 18.00               | No                |
|                    |                  | 64      | 5320        | 17.10                 | 18.00               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 16.65                 | 18.00               | No                |
|                    |                  | 60      | 5300        | 16.55                 | 18.00               | No                |
|                    |                  | 64      | 5320        | 16.97                 | 18.00               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | <b>17.43</b>          | 18.00               | Yes               |
|                    |                  | 62      | 5310        | 16.58                 | 18.00               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 16.66                 | 18.00               | No                |
|                    |                  | 60      | 5300        | 16.60                 | 18.00               | No                |
|                    |                  | 64      | 5320        | 16.92                 | 18.00               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 17.13                 | 18.00               | No                |
|                    |                  | 62      | 5310        | 17.12                 | 18.00               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 16.67                 | 17.50               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 17.10        | 18.00 | No  |
|                     |                  | 60  | 5300 | 17.19        | 18.00 | No  |
|                     |                  | 64  | 5320 | 17.30        | 18.00 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 17.16        | 18.00 | No  |
|                     |                  | 62  | 5310 | 16.71        | 17.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 16.58        | 17.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 16.41        | 17.50 | No  |
|                     |                  | 116 | 5580 | 16.39        | 17.50 | No  |
|                     |                  | 140 | 5700 | 16.37        | 17.50 | No  |
|                     |                  | 144 | 5720 | 16.42        | 17.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 16.23        | 17.50 | No  |
|                     |                  | 116 | 5580 | 16.36        | 17.50 | No  |
|                     |                  | 140 | 5700 | 16.40        | 17.50 | No  |
|                     |                  | 144 | 5720 | 16.14        | 17.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 15.67        | 17.00 | No  |
|                     |                  | 110 | 5550 | 16.52        | 17.50 | No  |
|                     |                  | 134 | 5670 | 16.49        | 17.50 | No  |
|                     |                  | 142 | 5710 | 16.22        | 17.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 16.37        | 17.50 | No  |
|                     |                  | 116 | 5580 | 16.33        | 17.50 | No  |
|                     |                  | 140 | 5700 | 16.50        | 17.50 | No  |
|                     |                  | 144 | 5720 | 16.33        | 17.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 15.99        | 17.50 | No  |
|                     |                  | 110 | 5550 | 16.33        | 17.50 | No  |
|                     |                  | 134 | 5670 | 16.44        | 17.50 | No  |
|                     |                  | 142 | 5710 | 16.38        | 17.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 16.39        | 17.50 | No  |
|                     |                  | 122 | 5610 | 16.50        | 17.50 | No  |
|                     |                  | 138 | 5690 | 16.47        | 17.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>16.33</b> | 17.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 16.29        | 17.50 | No  |
|                     |                  | 116 | 5580 | 16.33        | 17.50 | No  |
|                     |                  | 140 | 5700 | 16.80        | 17.50 | No  |
|                     |                  | 144 | 5720 | 16.47        | 17.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 15.63        | 17.00 | No  |
|                     |                  | 110 | 5550 | 16.14        | 17.50 | No  |
|                     |                  | 134 | 5670 | 16.45        | 17.50 | No  |
|                     |                  | 142 | 5710 | 16.44        | 17.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 16.33        | 17.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 16.57        | 17.50 | No  |
|                      |                 | 138 | 5690 | 16.42        | 17.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 15.93        | 17.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 16.51        | 17.50 | No  |
|                      |                 | 157 | 5785 | 16.73        | 17.50 | No  |
|                      |                 | 165 | 5825 | 16.60        | 17.50 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 16.28        | 17.50 | No  |
|                      |                 | 157 | 5785 | 16.44        | 17.50 | No  |
|                      |                 | 165 | 5825 | 16.52        | 17.50 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 16.30        | 17.50 | No  |
|                      |                 | 159 | 5795 | 16.29        | 17.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 16.40        | 17.50 | No  |
|                      |                 | 157 | 5785 | 16.55        | 17.50 | No  |
|                      |                 | 165 | 5825 | 16.41        | 17.50 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 16.28        | 17.50 | No  |
|                      |                 | 159 | 5795 | 16.37        | 17.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>16.66</b> | 17.50 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 16.43        | 17.50 | No  |
|                      |                 | 157 | 5785 | 16.67        | 17.50 | No  |
|                      |                 | 165 | 5825 | 16.56        | 17.50 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 16.48        | 17.50 | No  |
|                      |                 | 159 | 5795 | 16.58        | 17.50 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 16.56        | 17.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.28 5G WIFI-Level2(MIMO)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 12.45                 | 13.50               | No                |
|                    |                  | 44      | 5220        | 12.54                 | 13.50               | No                |
|                    |                  | 48      | 5240        | 12.33                 | 13.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 12.60                 | 13.50               | No                |
|                    |                  | 44      | 5220        | 12.34                 | 13.50               | No                |
|                    |                  | 48      | 5240        | 12.50                 | 13.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 12.37                 | 13.50               | No                |
|                    |                  | 46      | 5230        | 12.57                 | 13.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 12.47                 | 13.50               | No                |
|                    |                  | 44      | 5220        | 12.41                 | 13.50               | No                |
|                    |                  | 48      | 5240        | 12.41                 | 13.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 12.57                 | 13.50               | No                |
|                    |                  | 46      | 5230        | 12.41                 | 13.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 12.44                 | 13.50               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 12.52                 | 13.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 12.36                 | 13.50               | No                |
|                    |                  | 44      | 5220        | 12.32                 | 13.50               | No                |
|                    |                  | 48      | 5240        | 12.45                 | 13.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 12.62                 | 13.50               | No                |
|                    |                  | 46      | 5230        | 12.34                 | 13.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 12.37                 | 13.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 12.48                 | 13.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 12.62                 | 13.50               | No                |
|                    |                  | 60      | 5300        | 12.55                 | 13.50               | No                |
|                    |                  | 64      | 5320        | 12.56                 | 13.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 12.47                 | 13.50               | No                |
|                    |                  | 60      | 5300        | 12.36                 | 13.50               | No                |
|                    |                  | 64      | 5320        | 12.51                 | 13.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 12.32                 | 13.50               | No                |
|                    |                  | 62      | 5310        | 12.50                 | 13.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 12.47                 | 13.50               | No                |
|                    |                  | 60      | 5300        | 12.43                 | 13.50               | No                |
|                    |                  | 64      | 5320        | 12.56                 | 13.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 12.51                 | 13.50               | No                |
|                    |                  | 62      | 5310        | 12.53                 | 13.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>12.54</b>          | 13.50               | Yes               |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 12.42        | 13.50 | No  |
|                     |                  | 60  | 5300 | 12.31        | 13.50 | No  |
|                     |                  | 64  | 5320 | 12.42        | 13.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 12.50        | 13.50 | No  |
|                     |                  | 62  | 5310 | 12.52        | 13.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 12.41        | 13.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 12.37        | 13.50 | No  |
|                     |                  | 116 | 5580 | 12.51        | 13.50 | No  |
|                     |                  | 140 | 5700 | 12.56        | 13.50 | No  |
|                     |                  | 144 | 5720 | 12.58        | 13.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 12.43        | 13.50 | No  |
|                     |                  | 116 | 5580 | 12.47        | 13.50 | No  |
|                     |                  | 140 | 5700 | 12.52        | 13.50 | No  |
|                     |                  | 144 | 5720 | 12.45        | 13.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 12.43        | 13.50 | No  |
|                     |                  | 110 | 5550 | 12.50        | 13.50 | No  |
|                     |                  | 134 | 5670 | 12.52        | 13.50 | No  |
|                     |                  | 142 | 5710 | 12.42        | 13.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 12.49        | 13.50 | No  |
|                     |                  | 116 | 5580 | 12.41        | 13.50 | No  |
|                     |                  | 140 | 5700 | 12.48        | 13.50 | No  |
|                     |                  | 144 | 5720 | 12.49        | 13.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 12.60        | 13.50 | No  |
|                     |                  | 110 | 5550 | 12.42        | 13.50 | No  |
|                     |                  | 134 | 5670 | 12.33        | 13.50 | No  |
|                     |                  | 142 | 5710 | 12.37        | 13.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 12.53        | 13.50 | No  |
|                     |                  | 122 | 5610 | 12.51        | 13.50 | No  |
|                     |                  | 138 | 5690 | 12.57        | 13.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>12.55</b> | 13.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 12.39        | 13.50 | No  |
|                     |                  | 116 | 5580 | 12.41        | 13.50 | No  |
|                     |                  | 140 | 5700 | 12.45        | 13.50 | No  |
|                     |                  | 144 | 5720 | 12.55        | 13.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 12.52        | 13.50 | No  |
|                     |                  | 110 | 5550 | 12.35        | 13.50 | No  |
|                     |                  | 134 | 5670 | 12.55        | 13.50 | No  |
|                     |                  | 142 | 5710 | 12.42        | 13.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 12.39        | 13.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 12.47        | 13.50 | No  |
|                      |                 | 138 | 5690 | 12.54        | 13.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 12.42        | 13.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 13.06        | 14.00 | No  |
|                      |                 | 157 | 5785 | 13.03        | 14.00 | No  |
|                      |                 | 165 | 5825 | 12.92        | 14.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 13.10        | 14.00 | No  |
|                      |                 | 157 | 5785 | 13.06        | 14.00 | No  |
|                      |                 | 165 | 5825 | 13.11        | 14.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 12.97        | 14.00 | No  |
|                      |                 | 159 | 5795 | 12.96        | 14.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 13.03        | 14.00 | No  |
|                      |                 | 157 | 5785 | 13.17        | 14.00 | No  |
|                      |                 | 165 | 5825 | 12.98        | 14.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 12.96        | 14.00 | No  |
|                      |                 | 159 | 5795 | 13.11        | 14.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>13.09</b> | 14.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 13.07        | 14.00 | No  |
|                      |                 | 157 | 5785 | 13.05        | 14.00 | No  |
|                      |                 | 165 | 5825 | 13.09        | 14.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 13.16        | 14.00 | No  |
|                      |                 | 159 | 5795 | 13.09        | 14.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 13.07        | 14.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.29 5G WIFI-Level3(MIMO)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 19.50                 | 20.50               | No                |
|                    |                  | 44      | 5220        | <b>19.52</b>          | 20.50               | Yes               |
|                    |                  | 48      | 5240        | 19.28                 | 20.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 19.19                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.66                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 19.03                 | 20.00               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 13.97                 | 15.00               | No                |
|                    |                  | 46      | 5230        | 18.79                 | 19.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 19.03                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.06                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 18.84                 | 20.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 16.48                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 18.66                 | 19.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | 17.03                 | 18.00               | No                |
|                    | 802.11ac(VHT160) | 50      | 5250        | 15.13                 | 16.00               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 19.31                 | 20.50               | No                |
|                    |                  | 44      | 5220        | 19.39                 | 20.50               | No                |
|                    |                  | 48      | 5240        | 19.17                 | 20.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 16.18                 | 17.50               | No                |
|                    |                  | 46      | 5230        | 18.63                 | 19.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 17.42                 | 18.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 15.22                 | 16.00               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 19.20                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 19.16                 | 20.50               | No                |
|                    |                  | 64      | 5320        | <b>19.50</b>          | 20.50               | Yes               |
|                    | 802.11n(HT20)    | 52      | 5260        | 18.95                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 18.90                 | 20.50               | No                |
|                    |                  | 64      | 5320        | 19.18                 | 20.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 18.68                 | 19.50               | No                |
|                    |                  | 62      | 5310        | 17.11                 | 18.60               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 18.89                 | 20.50               | No                |
|                    |                  | 60      | 5300        | 18.93                 | 20.50               | No                |
|                    |                  | 64      | 5320        | 19.19                 | 20.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 18.67                 | 19.50               | No                |
|                    |                  | 62      | 5310        | 17.62                 | 18.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | 17.29                 | 18.50               | No                |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 19.10        | 20.50 | No  |
|                     |                  | 60  | 5300 | 19.15        | 20.50 | No  |
|                     |                  | 64  | 5320 | 19.38        | 20.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 18.11        | 19.50 | No  |
|                     |                  | 62  | 5310 | 17.26        | 18.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 17.17        | 18.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 17.99        | 19.50 | No  |
|                     |                  | 116 | 5580 | 19.17        | 20.50 | No  |
|                     |                  | 140 | 5700 | 18.63        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.48        | 20.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 17.68        | 19.50 | No  |
|                     |                  | 116 | 5580 | 18.89        | 20.00 | No  |
|                     |                  | 140 | 5700 | 19.12        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.15        | 20.00 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 16.48        | 18.00 | No  |
|                     |                  | 110 | 5550 | 18.65        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.87        | 20.00 | No  |
|                     |                  | 142 | 5710 | 19.04        | 20.00 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 17.69        | 19.50 | No  |
|                     |                  | 116 | 5580 | 18.88        | 20.00 | No  |
|                     |                  | 140 | 5700 | 19.11        | 20.00 | No  |
|                     |                  | 144 | 5720 | 19.16        | 20.00 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 17.06        | 18.50 | No  |
|                     |                  | 110 | 5550 | 18.63        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.85        | 20.00 | No  |
|                     |                  | 142 | 5710 | 19.00        | 20.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 17.97        | 19.50 | No  |
|                     |                  | 122 | 5610 | 19.66        | 20.50 | No  |
|                     |                  | 138 | 5690 | <b>19.76</b> | 20.50 | Yes |
|                     | 802.11ac(VHT160) | 114 | 5570 | 16.34        | 18.00 | No  |
|                     | 802.11ax(HE20)   | 100 | 5500 | 17.89        | 19.50 | No  |
|                     |                  | 116 | 5580 | 19.01        | 20.50 | No  |
|                     |                  | 140 | 5700 | 17.83        | 19.00 | No  |
|                     |                  | 144 | 5720 | 19.39        | 20.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 16.02        | 17.00 | No  |
|                     |                  | 110 | 5550 | 18.24        | 20.00 | No  |
|                     |                  | 134 | 5670 | 18.38        | 20.00 | No  |
|                     |                  | 142 | 5710 | 18.69        | 20.00 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 17.27        | 18.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 19.53        | 20.50 | No  |
|                      |                 | 138 | 5690 | 19.63        | 20.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 16.00        | 17.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 19.44        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.62        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.97        | 20.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 19.07        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.25        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.64        | 20.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 19.05        | 20.50 | No  |
|                      |                 | 159 | 5795 | 19.07        | 20.50 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 19.14        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.33        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.67        | 20.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 19.06        | 20.50 | No  |
|                      |                 | 159 | 5795 | 19.10        | 20.50 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>20.02</b> | 21.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 19.36        | 20.50 | No  |
|                      |                 | 157 | 5785 | 19.50        | 20.50 | No  |
|                      |                 | 165 | 5825 | 18.93        | 20.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 18.75        | 20.00 | No  |
|                      |                 | 159 | 5795 | 18.85        | 20.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 19.43        | 20.50 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.30 5G WIFI-Level4(MIMO)

| Band (GHz)         | Mode             | Channel | Freq. (MHz) | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|--------------------|------------------|---------|-------------|-----------------------|---------------------|-------------------|
| 5.2<br>(5.15~5.25) | 802.11a          | 36      | 5180        | 14.45                 | 15.50               | No                |
|                    |                  | 44      | 5220        | 14.56                 | 15.50               | No                |
|                    |                  | 48      | 5240        | 14.51                 | 15.50               | No                |
|                    | 802.11n(HT20)    | 36      | 5180        | 14.41                 | 15.50               | No                |
|                    |                  | 44      | 5220        | 14.52                 | 15.50               | No                |
|                    |                  | 48      | 5240        | 14.54                 | 15.50               | No                |
|                    | 802.11n(HT40)    | 38      | 5190        | 14.56                 | 15.50               | No                |
|                    |                  | 46      | 5230        | 14.51                 | 15.50               | No                |
|                    | 802.11ac(VHT20)  | 36      | 5180        | 14.45                 | 15.50               | No                |
|                    |                  | 44      | 5220        | 14.44                 | 15.50               | No                |
|                    |                  | 48      | 5240        | 14.39                 | 15.50               | No                |
|                    | 802.11ac(VHT40)  | 38      | 5190        | 14.50                 | 15.50               | No                |
|                    |                  | 46      | 5230        | 14.44                 | 15.50               | No                |
|                    | 802.11ac(VHT80)  | 42      | 5210        | <b>14.39</b>          | 15.50               | Yes               |
|                    | 802.11ac(VHT160) | 50      | 5250        | 14.37                 | 15.50               | No                |
|                    | 802.11ax(HE20)   | 36      | 5180        | 14.44                 | 15.50               | No                |
|                    |                  | 44      | 5220        | 14.42                 | 15.50               | No                |
|                    |                  | 48      | 5240        | 14.30                 | 15.50               | No                |
|                    | 802.11ax(HE40)   | 38      | 5190        | 14.35                 | 15.50               | No                |
|                    |                  | 46      | 5230        | 14.41                 | 15.50               | No                |
|                    | 802.11ax(HE80)   | 42      | 5210        | 14.52                 | 15.50               | No                |
|                    | 802.11ax(HE160)  | 50      | 5250        | 14.40                 | 15.50               | No                |
| 5.3<br>(5.25~5.35) | 802.11a          | 52      | 5260        | 14.40                 | 15.50               | No                |
|                    |                  | 60      | 5300        | 14.54                 | 15.50               | No                |
|                    |                  | 64      | 5320        | 14.43                 | 15.50               | No                |
|                    | 802.11n(HT20)    | 52      | 5260        | 14.41                 | 15.50               | No                |
|                    |                  | 60      | 5300        | 14.30                 | 15.50               | No                |
|                    |                  | 64      | 5320        | 14.44                 | 15.50               | No                |
|                    | 802.11n(HT40)    | 54      | 5270        | 14.38                 | 15.50               | No                |
|                    |                  | 62      | 5310        | 14.45                 | 15.50               | No                |
|                    | 802.11ac(VHT20)  | 52      | 5260        | 14.46                 | 15.50               | No                |
|                    |                  | 60      | 5300        | 14.52                 | 15.50               | No                |
|                    |                  | 64      | 5320        | 14.55                 | 15.50               | No                |
|                    | 802.11ac(VHT40)  | 54      | 5270        | 14.52                 | 15.50               | No                |
|                    |                  | 62      | 5310        | 14.41                 | 15.50               | No                |
|                    | 802.11ac(VHT80)  | 58      | 5290        | <b>14.45</b>          | 15.50               | Yes               |

|                     |                  |     |      |              |       |     |
|---------------------|------------------|-----|------|--------------|-------|-----|
|                     | 802.11ax(HE20)   | 52  | 5260 | 14.57        | 15.50 | No  |
|                     |                  | 60  | 5300 | 14.63        | 15.50 | No  |
|                     |                  | 64  | 5320 | 14.37        | 15.50 | No  |
|                     | 802.11ax(HE40)   | 54  | 5270 | 14.56        | 15.50 | No  |
|                     |                  | 62  | 5310 | 14.52        | 15.50 | No  |
|                     | 802.11ax(HE80)   | 58  | 5290 | 14.37        | 15.50 | No  |
| 5.6<br>(5.47~5.725) | 802.11a          | 100 | 5500 | 14.44        | 15.50 | No  |
|                     |                  | 116 | 5580 | 14.41        | 15.50 | No  |
|                     |                  | 140 | 5700 | 14.42        | 15.50 | No  |
|                     |                  | 144 | 5720 | 14.33        | 15.50 | No  |
|                     | 802.11n(HT20)    | 100 | 5500 | 14.47        | 15.50 | No  |
|                     |                  | 116 | 5580 | 14.42        | 15.50 | No  |
|                     |                  | 140 | 5700 | 14.61        | 15.50 | No  |
|                     |                  | 144 | 5720 | 14.57        | 15.50 | No  |
|                     | 802.11n(HT40)    | 102 | 5510 | 14.41        | 15.50 | No  |
|                     |                  | 110 | 5550 | 14.48        | 15.50 | No  |
|                     |                  | 134 | 5670 | 14.57        | 15.50 | No  |
|                     |                  | 142 | 5710 | 14.49        | 15.50 | No  |
|                     | 802.11ac(VHT20)  | 100 | 5500 | 14.51        | 15.50 | No  |
|                     |                  | 116 | 5580 | 14.47        | 15.50 | No  |
|                     |                  | 140 | 5700 | 14.38        | 15.50 | No  |
|                     |                  | 144 | 5720 | 14.51        | 15.50 | No  |
|                     | 802.11ac(VHT40)  | 102 | 5510 | 14.51        | 15.50 | No  |
|                     |                  | 110 | 5550 | 14.44        | 15.50 | No  |
|                     |                  | 134 | 5670 | 14.47        | 15.50 | No  |
|                     |                  | 142 | 5710 | 14.33        | 15.50 | No  |
|                     | 802.11ac(VHT80)  | 106 | 5530 | 14.51        | 15.50 | No  |
|                     |                  | 122 | 5610 | 14.42        | 15.50 | No  |
|                     |                  | 138 | 5690 | 14.41        | 15.50 | No  |
|                     | 802.11ac(VHT160) | 114 | 5570 | <b>14.33</b> | 15.50 | Yes |
|                     | 802.11ax(HE20)   | 100 | 5500 | 14.57        | 15.50 | No  |
|                     |                  | 116 | 5580 | 14.49        | 15.50 | No  |
|                     |                  | 140 | 5700 | 14.40        | 15.50 | No  |
|                     |                  | 144 | 5720 | 14.48        | 15.50 | No  |
|                     | 802.11ax(HE40)   | 102 | 5510 | 14.45        | 15.50 | No  |
|                     |                  | 110 | 5550 | 14.61        | 15.50 | No  |
|                     |                  | 134 | 5670 | 14.58        | 15.50 | No  |
|                     |                  | 142 | 5710 | 14.43        | 15.50 | No  |
|                     | 802.11ax(HE80)   | 106 | 5530 | 14.50        | 15.50 | No  |

|                      |                 |     |      |              |       |     |
|----------------------|-----------------|-----|------|--------------|-------|-----|
|                      |                 | 122 | 5610 | 14.51        | 15.50 | No  |
|                      |                 | 138 | 5690 | 14.44        | 15.50 | No  |
|                      | 802.11ax(HE160) | 114 | 5570 | 14.36        | 15.50 | No  |
| 5.8<br>(5.725~5.850) | 802.11a         | 149 | 5745 | 15.07        | 16.00 | No  |
|                      |                 | 157 | 5785 | 15.03        | 16.00 | No  |
|                      |                 | 165 | 5825 | 14.94        | 16.00 | No  |
|                      | 802.11n(HT20)   | 149 | 5745 | 14.95        | 16.00 | No  |
|                      |                 | 157 | 5785 | 14.89        | 16.00 | No  |
|                      |                 | 165 | 5825 | 14.96        | 16.00 | No  |
|                      | 802.11n(HT40)   | 151 | 5755 | 15.05        | 16.00 | No  |
|                      |                 | 159 | 5795 | 15.02        | 16.00 | No  |
|                      | 802.11ac(VHT20) | 149 | 5745 | 14.96        | 16.00 | No  |
|                      |                 | 157 | 5785 | 14.95        | 16.00 | No  |
|                      |                 | 165 | 5825 | 14.97        | 16.00 | No  |
|                      | 802.11ac(VHT40) | 151 | 5755 | 14.89        | 16.00 | No  |
|                      |                 | 159 | 5795 | 14.95        | 16.00 | No  |
|                      | 802.11ac(VHT80) | 155 | 5775 | <b>14.91</b> | 16.00 | Yes |
|                      | 802.11ax(HE20)  | 149 | 5745 | 14.98        | 16.00 | No  |
|                      |                 | 157 | 5785 | 15.06        | 16.00 | No  |
|                      |                 | 165 | 5825 | 15.03        | 16.00 | No  |
|                      | 802.11ax(HE40)  | 151 | 5755 | 15.01        | 16.00 | No  |
|                      |                 | 159 | 5795 | 14.93        | 16.00 | No  |
|                      | 802.11ax(HE80)  | 155 | 5775 | 14.96        | 16.00 | No  |

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

## 8.6.31 6G WIFI-Full power(ANT11)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 9.08                  | 9.50                | No                |
|                   |                 | 45      | 6175  | 8.76                  | 9.50                | No                |
|                   |                 | 93      | 6415  | 8.55                  | 9.50                | No                |
|                   |                 | 97      | 6435  | 9.06                  | 9.50                | No                |
|                   |                 | 105     | 6475  | 8.75                  | 9.50                | No                |
|                   |                 | 113     | 6515  | 8.68                  | 9.50                | No                |
|                   |                 | 117     | 6535  | 8.82                  | 9.50                | No                |
|                   |                 | 153     | 6715  | 8.77                  | 9.50                | No                |
|                   |                 | 181     | 6855  | 8.74                  | 9.50                | No                |
|                   |                 | 185     | 6875  | 8.88                  | 9.50                | No                |
|                   |                 | 213     | 7015  | 8.81                  | 9.50                | No                |
|                   |                 | 233     | 7115  | 8.88                  | 9.50                | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 8.84                  | 9.50                | No                |
|                   |                 | 43      | 6165  | 8.85                  | 9.50                | No                |
|                   |                 | 91      | 6405  | 9.08                  | 9.50                | No                |
|                   |                 | 99      | 6445  | 8.98                  | 9.50                | No                |
|                   |                 | 107     | 6485  | 8.88                  | 9.50                | No                |
|                   |                 | 115     | 6525  | 8.57                  | 9.50                | No                |
|                   |                 | 123     | 6565  | 8.97                  | 9.50                | No                |
|                   |                 | 155     | 6725  | 8.87                  | 9.50                | No                |
|                   |                 | 179     | 6845  | 8.87                  | 9.50                | No                |
|                   |                 | 187     | 6885  | 9.02                  | 9.50                | No                |
|                   |                 | 211     | 7005  | 8.58                  | 9.50                | No                |
|                   |                 | 227     | 7085  | 8.90                  | 9.50                | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 8.92                  | 9.50                | No                |
|                   |                 | 39      | 6145  | 8.78                  | 9.50                | No                |
|                   |                 | 87      | 6385  | 8.78                  | 9.50                | No                |
|                   |                 | 103     | 6465  | 8.58                  | 9.50                | No                |
|                   |                 | 119     | 6545  | 8.76                  | 9.50                | No                |
|                   |                 | 135     | 6625  | 9.00                  | 9.50                | No                |
|                   |                 | 151     | 6705  | 8.81                  | 9.50                | No                |
|                   |                 | 167     | 6785  | 8.68                  | 9.50                | No                |
|                   |                 | 183     | 6865  | 8.75                  | 9.50                | No                |
|                   |                 | 199     | 6945  | 8.68                  | 9.50                | No                |
|                   |                 | 215     | 7025  | 8.71                  | 9.50                | No                |
|                   | 802.11ax(HE160) | 15      | 6025  | <b>9.33</b>           | 9.50                | Yes               |
|                   |                 | 47      | 6185  | 8.86                  | 9.50                | Yes               |
|                   |                 | 79      | 6345  | 8.61                  | 9.50                | Yes               |
|                   |                 | 111     | 6505  | 8.65                  | 9.50                | Yes               |

|  |  |     |      |      |      |     |
|--|--|-----|------|------|------|-----|
|  |  | 143 | 6665 | 8.57 | 9.50 | Yes |
|  |  | 175 | 6825 | 8.87 | 9.50 | Yes |
|  |  | 207 | 6985 | 8.99 | 9.50 | Yes |

## 8.6.32 6G WIFI-Level1&amp;2&amp;3&amp;4(ANT11)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 9.08                  | 9.50                | No                |
|                   |                 | 45      | 6175  | 8.76                  | 9.50                | No                |
|                   |                 | 93      | 6415  | 8.55                  | 9.50                | No                |
|                   |                 | 97      | 6435  | 9.06                  | 9.50                | No                |
|                   |                 | 105     | 6475  | 8.75                  | 9.50                | No                |
|                   |                 | 113     | 6515  | 8.68                  | 9.50                | No                |
|                   |                 | 117     | 6535  | 8.82                  | 9.50                | No                |
|                   |                 | 153     | 6715  | 8.77                  | 9.50                | No                |
|                   |                 | 181     | 6855  | 8.74                  | 9.50                | No                |
|                   |                 | 185     | 6875  | 8.88                  | 9.50                | No                |
|                   |                 | 213     | 7015  | 8.81                  | 9.50                | No                |
|                   |                 | 233     | 7115  | 8.88                  | 9.50                | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 8.84                  | 9.50                | No                |
|                   |                 | 43      | 6165  | 8.85                  | 9.50                | No                |
|                   |                 | 91      | 6405  | 9.08                  | 9.50                | No                |
|                   |                 | 99      | 6445  | 8.98                  | 9.50                | No                |
|                   |                 | 107     | 6485  | 8.88                  | 9.50                | No                |
|                   |                 | 115     | 6525  | 8.57                  | 9.50                | No                |
|                   |                 | 123     | 6565  | 8.97                  | 9.50                | No                |
|                   |                 | 155     | 6725  | 8.87                  | 9.50                | No                |
|                   |                 | 179     | 6845  | 8.87                  | 9.50                | No                |
|                   |                 | 187     | 6885  | 9.02                  | 9.50                | No                |
|                   |                 | 211     | 7005  | 8.58                  | 9.50                | No                |
|                   |                 | 227     | 7085  | 8.90                  | 9.50                | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 8.92                  | 9.50                | No                |
|                   |                 | 39      | 6145  | 8.78                  | 9.50                | No                |
|                   |                 | 87      | 6385  | 8.78                  | 9.50                | No                |
|                   |                 | 103     | 6465  | 8.58                  | 9.50                | No                |
|                   |                 | 119     | 6545  | 8.76                  | 9.50                | No                |
|                   |                 | 135     | 6625  | 9.00                  | 9.50                | No                |
|                   |                 | 151     | 6705  | 8.81                  | 9.50                | No                |
|                   |                 | 167     | 6785  | 8.68                  | 9.50                | No                |
|                   |                 | 183     | 6865  | 8.75                  | 9.50                | No                |
|                   |                 | 199     | 6945  | 8.68                  | 9.50                | No                |
|                   | 802.11ax(HE160) | 215     | 7025  | 8.71                  | 9.50                | No                |
|                   |                 | 15      | 6025  | <b>9.33</b>           | 9.50                | Yes               |
|                   |                 | 47      | 6185  | 8.86                  | 9.50                | Yes               |
|                   |                 | 79      | 6345  | 8.61                  | 9.50                | Yes               |
|                   |                 | 111     | 6505  | 8.65                  | 9.50                | Yes               |

|  |  |     |      |      |      |     |
|--|--|-----|------|------|------|-----|
|  |  | 143 | 6665 | 8.57 | 9.50 | Yes |
|  |  | 175 | 6825 | 8.87 | 9.50 | Yes |
|  |  | 207 | 6985 | 8.99 | 9.50 | Yes |

## 8.6.33 6G WIFI-Full power(ANT15)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 8.70                  | 9.50                | No                |
|                   |                 | 45      | 6175  | 8.86                  | 9.50                | No                |
|                   |                 | 93      | 6415  | 8.74                  | 9.50                | No                |
|                   |                 | 97      | 6435  | 8.96                  | 9.50                | No                |
|                   |                 | 105     | 6475  | 8.87                  | 9.50                | No                |
|                   |                 | 113     | 6515  | 8.83                  | 9.50                | No                |
|                   |                 | 117     | 6535  | 8.78                  | 9.50                | No                |
|                   |                 | 153     | 6715  | 8.56                  | 9.50                | No                |
|                   |                 | 181     | 6855  | 8.92                  | 9.50                | No                |
|                   |                 | 185     | 6875  | 8.79                  | 9.50                | No                |
|                   |                 | 213     | 7015  | 8.94                  | 9.50                | No                |
|                   |                 | 233     | 7115  | 8.71                  | 9.50                | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 8.97                  | 9.50                | No                |
|                   |                 | 43      | 6165  | 8.73                  | 9.50                | No                |
|                   |                 | 91      | 6405  | 9.03                  | 9.50                | No                |
|                   |                 | 99      | 6445  | 9.01                  | 9.50                | No                |
|                   |                 | 107     | 6485  | 8.81                  | 9.50                | No                |
|                   |                 | 115     | 6525  | 8.69                  | 9.50                | No                |
|                   |                 | 123     | 6565  | 8.80                  | 9.50                | No                |
|                   |                 | 155     | 6725  | 8.68                  | 9.50                | No                |
|                   |                 | 179     | 6845  | 8.65                  | 9.50                | No                |
|                   |                 | 187     | 6885  | 9.03                  | 9.50                | No                |
|                   |                 | 211     | 7005  | 8.64                  | 9.50                | No                |
|                   |                 | 227     | 7085  | 8.92                  | 9.50                | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 8.92                  | 9.50                | No                |
|                   |                 | 39      | 6145  | 8.63                  | 9.50                | No                |
|                   |                 | 87      | 6385  | 8.80                  | 9.50                | No                |
|                   |                 | 103     | 6465  | 9.03                  | 9.50                | No                |
|                   |                 | 119     | 6545  | 8.81                  | 9.50                | No                |
|                   |                 | 135     | 6625  | 8.85                  | 9.50                | No                |
|                   |                 | 151     | 6705  | 9.05                  | 9.50                | No                |
|                   |                 | 167     | 6785  | 8.75                  | 9.50                | No                |
|                   |                 | 183     | 6865  | 8.91                  | 9.50                | No                |
|                   |                 | 199     | 6945  | 9.08                  | 9.50                | No                |
|                   |                 | 215     | 7025  | 8.64                  | 9.50                | No                |
|                   | 802.11ax(HE160) | 15      | 6025  | <b>9.06</b>           | 9.50                | Yes               |
|                   |                 | 47      | 6185  | 8.52                  | 9.50                | Yes               |
|                   |                 | 79      | 6345  | 8.81                  | 9.50                | Yes               |
|                   |                 | 111     | 6505  | 8.71                  | 9.50                | Yes               |

|  |  |     |      |      |      |     |
|--|--|-----|------|------|------|-----|
|  |  | 143 | 6665 | 8.71 | 9.50 | Yes |
|  |  | 175 | 6825 | 8.60 | 9.50 | Yes |
|  |  | 207 | 6985 | 8.96 | 9.50 | Yes |

## 8.6.34 6G WIFI- Level1&amp;2&amp;3&amp;4(ANT15)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 8.70                  | 9.50                | No                |
|                   |                 | 45      | 6175  | 8.86                  | 9.50                | No                |
|                   |                 | 93      | 6415  | 8.74                  | 9.50                | No                |
|                   |                 | 97      | 6435  | 8.96                  | 9.50                | No                |
|                   |                 | 105     | 6475  | 8.87                  | 9.50                | No                |
|                   |                 | 113     | 6515  | 8.83                  | 9.50                | No                |
|                   |                 | 117     | 6535  | 8.78                  | 9.50                | No                |
|                   |                 | 153     | 6715  | 8.56                  | 9.50                | No                |
|                   |                 | 181     | 6855  | 8.92                  | 9.50                | No                |
|                   |                 | 185     | 6875  | 8.79                  | 9.50                | No                |
|                   |                 | 213     | 7015  | 8.94                  | 9.50                | No                |
|                   |                 | 233     | 7115  | 8.71                  | 9.50                | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 8.97                  | 9.50                | No                |
|                   |                 | 43      | 6165  | 8.73                  | 9.50                | No                |
|                   |                 | 91      | 6405  | 9.03                  | 9.50                | No                |
|                   |                 | 99      | 6445  | 9.01                  | 9.50                | No                |
|                   |                 | 107     | 6485  | 8.81                  | 9.50                | No                |
|                   |                 | 115     | 6525  | 8.69                  | 9.50                | No                |
|                   |                 | 123     | 6565  | 8.80                  | 9.50                | No                |
|                   |                 | 155     | 6725  | 8.68                  | 9.50                | No                |
|                   |                 | 179     | 6845  | 8.65                  | 9.50                | No                |
|                   |                 | 187     | 6885  | 9.03                  | 9.50                | No                |
|                   |                 | 211     | 7005  | 8.64                  | 9.50                | No                |
|                   |                 | 227     | 7085  | 8.92                  | 9.50                | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 8.92                  | 9.50                | No                |
|                   |                 | 39      | 6145  | 8.63                  | 9.50                | No                |
|                   |                 | 87      | 6385  | 8.80                  | 9.50                | No                |
|                   |                 | 103     | 6465  | 9.03                  | 9.50                | No                |
|                   |                 | 119     | 6545  | 8.81                  | 9.50                | No                |
|                   |                 | 135     | 6625  | 8.85                  | 9.50                | No                |
|                   |                 | 151     | 6705  | 9.05                  | 9.50                | No                |
|                   |                 | 167     | 6785  | 8.75                  | 9.50                | No                |
|                   |                 | 183     | 6865  | 8.91                  | 9.50                | No                |
|                   |                 | 199     | 6945  | 9.08                  | 9.50                | No                |
|                   |                 | 215     | 7025  | 8.64                  | 9.50                | No                |
|                   | 802.11ax(HE160) | 15      | 6025  | <b>9.06</b>           | 9.50                | Yes               |
|                   |                 | 47      | 6185  | 8.52                  | 9.50                | Yes               |
|                   |                 | 79      | 6345  | 8.81                  | 9.50                | Yes               |
|                   |                 | 111     | 6505  | 8.71                  | 9.50                | Yes               |

|  |  |     |      |      |      |     |
|--|--|-----|------|------|------|-----|
|  |  | 143 | 6665 | 8.71 | 9.50 | Yes |
|  |  | 175 | 6825 | 8.60 | 9.50 | Yes |
|  |  | 207 | 6985 | 8.96 | 9.50 | Yes |

## 8.6.35 6G WIFI- Level1&amp;2&amp;3&amp;4(MIMO)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 11.90                 | 12.50               | No                |
|                   |                 | 45      | 6175  | 11.82                 | 12.50               | No                |
|                   |                 | 93      | 6415  | 11.66                 | 12.50               | No                |
|                   |                 | 97      | 6435  | 12.02                 | 12.50               | No                |
|                   |                 | 105     | 6475  | 11.82                 | 12.50               | No                |
|                   |                 | 113     | 6515  | 11.77                 | 12.50               | No                |
|                   |                 | 117     | 6535  | 11.81                 | 12.50               | No                |
|                   |                 | 153     | 6715  | 11.68                 | 12.50               | No                |
|                   |                 | 181     | 6855  | 11.84                 | 12.50               | No                |
|                   |                 | 185     | 6875  | 11.85                 | 12.50               | No                |
|                   |                 | 213     | 7015  | 11.89                 | 12.50               | No                |
|                   |                 | 233     | 7115  | 11.81                 | 12.50               | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 11.92                 | 12.50               | No                |
|                   |                 | 43      | 6165  | 11.80                 | 12.50               | No                |
|                   |                 | 91      | 6405  | 12.07                 | 12.50               | No                |
|                   |                 | 99      | 6445  | 12.01                 | 12.50               | No                |
|                   |                 | 107     | 6485  | 11.86                 | 12.50               | No                |
|                   |                 | 115     | 6525  | 11.64                 | 12.50               | No                |
|                   |                 | 123     | 6565  | 11.90                 | 12.50               | No                |
|                   |                 | 155     | 6725  | 11.79                 | 12.50               | No                |
|                   |                 | 179     | 6845  | 11.77                 | 12.50               | No                |
|                   |                 | 187     | 6885  | 12.04                 | 12.50               | No                |
|                   |                 | 211     | 7005  | 11.62                 | 12.50               | No                |
|                   |                 | 227     | 7085  | 11.92                 | 12.50               | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 11.93                 | 12.50               | No                |
|                   |                 | 39      | 6145  | 11.72                 | 12.50               | No                |
|                   |                 | 87      | 6385  | 11.80                 | 12.50               | No                |
|                   |                 | 103     | 6465  | 11.82                 | 12.50               | No                |
|                   |                 | 119     | 6545  | 11.80                 | 12.50               | No                |
|                   |                 | 135     | 6625  | 11.94                 | 12.50               | No                |
|                   |                 | 151     | 6705  | 11.94                 | 12.50               | No                |
|                   |                 | 167     | 6785  | 11.73                 | 12.50               | No                |
|                   |                 | 183     | 6865  | 11.84                 | 12.50               | No                |
|                   |                 | 199     | 6945  | 11.89                 | 12.50               | No                |
|                   |                 | 215     | 7025  | 11.69                 | 12.50               | No                |
|                   | 802.11ax(HE160) | 15      | 6025  | <b>12.21</b>          | 12.50               | Yes               |
|                   |                 | 47      | 6185  | 11.70                 | 12.50               | Yes               |
|                   |                 | 79      | 6345  | 11.72                 | 12.50               | Yes               |
|                   |                 | 111     | 6505  | 11.69                 | 12.50               | Yes               |

|  |  |     |      |       |       |     |
|--|--|-----|------|-------|-------|-----|
|  |  | 143 | 6665 | 11.65 | 12.50 | Yes |
|  |  | 175 | 6825 | 11.75 | 12.50 | Yes |
|  |  | 207 | 6985 | 11.99 | 12.50 | Yes |

## 8.6.36 6G WIFI-Full power(MIMO)

| Band              | Mode            | Channel | Freq. | Conducted Power (dBm) | Tune-up Limit (dBm) | SAR Test Require. |
|-------------------|-----------------|---------|-------|-----------------------|---------------------|-------------------|
| 6G<br>(5925~7125) | 802.11ax(HE20)  | 1       | 5955  | 11.90                 | 12.50               | No                |
|                   |                 | 45      | 6175  | 11.82                 | 12.50               | No                |
|                   |                 | 93      | 6415  | 11.66                 | 12.50               | No                |
|                   |                 | 97      | 6435  | 12.02                 | 12.50               | No                |
|                   |                 | 105     | 6475  | 11.82                 | 12.50               | No                |
|                   |                 | 113     | 6515  | 11.77                 | 12.50               | No                |
|                   |                 | 117     | 6535  | 11.81                 | 12.50               | No                |
|                   |                 | 153     | 6715  | 11.68                 | 12.50               | No                |
|                   |                 | 181     | 6855  | 11.84                 | 12.50               | No                |
|                   |                 | 185     | 6875  | 11.85                 | 12.50               | No                |
|                   |                 | 213     | 7015  | 11.89                 | 12.50               | No                |
|                   |                 | 233     | 7115  | 11.81                 | 12.50               | No                |
|                   | 802.11ax(HE40)  | 3       | 5965  | 11.92                 | 12.50               | No                |
|                   |                 | 43      | 6165  | 11.80                 | 12.50               | No                |
|                   |                 | 91      | 6405  | 12.07                 | 12.50               | No                |
|                   |                 | 99      | 6445  | 12.01                 | 12.50               | No                |
|                   |                 | 107     | 6485  | 11.86                 | 12.50               | No                |
|                   |                 | 115     | 6525  | 11.64                 | 12.50               | No                |
|                   |                 | 123     | 6565  | 11.90                 | 12.50               | No                |
|                   |                 | 155     | 6725  | 11.79                 | 12.50               | No                |
|                   |                 | 179     | 6845  | 11.77                 | 12.50               | No                |
|                   |                 | 187     | 6885  | 12.04                 | 12.50               | No                |
|                   |                 | 211     | 7005  | 11.62                 | 12.50               | No                |
|                   |                 | 227     | 7085  | 11.92                 | 12.50               | No                |
|                   | 802.11ax(HE80)  | 7       | 5985  | 11.93                 | 12.50               | No                |
|                   |                 | 39      | 6145  | 11.72                 | 12.50               | No                |
|                   |                 | 87      | 6385  | 11.80                 | 12.50               | No                |
|                   |                 | 103     | 6465  | 11.82                 | 12.50               | No                |
|                   |                 | 119     | 6545  | 11.80                 | 12.50               | No                |
|                   |                 | 135     | 6625  | 11.94                 | 12.50               | No                |
|                   |                 | 151     | 6705  | 11.94                 | 12.50               | No                |
|                   |                 | 167     | 6785  | 11.73                 | 12.50               | No                |
|                   |                 | 183     | 6865  | 11.84                 | 12.50               | No                |
|                   |                 | 199     | 6945  | 11.89                 | 12.50               | No                |
|                   |                 | 215     | 7025  | 11.69                 | 12.50               | No                |
|                   | 802.11ax(HE160) | 15      | 6025  | <b>12.21</b>          | 12.50               | Yes               |
|                   |                 | 47      | 6185  | 11.70                 | 12.50               | Yes               |
|                   |                 | 79      | 6345  | 11.72                 | 12.50               | Yes               |
|                   |                 | 111     | 6505  | 11.69                 | 12.50               | Yes               |

|  |  |     |      |       |       |     |
|--|--|-----|------|-------|-------|-----|
|  |  | 143 | 6665 | 11.65 | 12.50 | Yes |
|  |  | 175 | 6825 | 11.75 | 12.50 | Yes |
|  |  | 207 | 6985 | 11.99 | 12.50 | Yes |

## 8.7 Bluetooth

### 8.7.1 Bluetooth(ANT7)-High Power

| Mode                                                                                                                                                                                                                                                                      | GFSK         |       |       | $\pi/4$ -DQPSK |       |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|----------------|-------|-------|
| Channel                                                                                                                                                                                                                                                                   | 0            | 39    | 78    | 0              | 39    | 78    |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402         | 2441  | 2480  | 2402           | 2441  | 2480  |
| Average Power (dBm)                                                                                                                                                                                                                                                       | <b>16.39</b> | 16.13 | 16.57 | 16.44          | 16.19 | 16.66 |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 19.00        | 19.00 | 19.00 | 17.00          | 17.00 | 17.00 |
| SAR Test Require                                                                                                                                                                                                                                                          | YES          | NO    | NO    | NO             | NO    | NO    |
| Mode                                                                                                                                                                                                                                                                      | 8-DPSK       |       |       | /              |       |       |
| Channel                                                                                                                                                                                                                                                                   | 0            | 39    | 78    | /              | /     | /     |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402         | 2441  | 2480  | /              | /     | /     |
| Average Power (dBm)                                                                                                                                                                                                                                                       | 16.63        | 16.31 | 16.97 | /              | /     | /     |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 17.00        | 17.00 | 17.00 | /              | /     | /     |
| SAR Test Require                                                                                                                                                                                                                                                          | NO           | NO    | NO    | /              | /     | /     |
| Mode                                                                                                                                                                                                                                                                      | BLE-1Mbps    |       |       | BLE-2Mbps      |       |       |
| Channel                                                                                                                                                                                                                                                                   | 0            | 19    | 39    | 1              | 19    | 38    |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402         | 2440  | 2480  | 2404           | 2440  | 2478  |
| Average Power (dBm)                                                                                                                                                                                                                                                       | 5.39         | 5.30  | 5.53  | 5.82           | 5.58  | 6.01  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 9.00         | 9.00  | 9.00  | 9.00           | 9.00  | 9.00  |
| SAR Test Require                                                                                                                                                                                                                                                          | NO           | NO    | NO    | NO             | NO    | NO    |
| Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq 1/4$ dB higher than the primary mode. |              |       |       |                |       |       |

## 8.7.2 Bluetooth(ANT7)-Low Power1

| Mode                                                                                                                                                                                                                                                                              | GFSK      |              |       | $\pi/4$ -DQPSK |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|-------|----------------|-------|-------|
| Channel                                                                                                                                                                                                                                                                           | 0         | 39           | 78    | 0              | 39    | 78    |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2441         | 2480  | 2402           | 2441  | 2480  |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 10.04     | <b>10.29</b> | 10.29 | 7.66           | 7.83  | 7.80  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 13.00     | 13.00        | 13.00 | 11.00          | 11.00 | 11.00 |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | YES          | NO    | NO             | NO    | NO    |
| Mode                                                                                                                                                                                                                                                                              | 8-DPSK    |              |       | /              |       |       |
| Channel                                                                                                                                                                                                                                                                           | 0         | 39           | 78    | /              | /     | /     |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2441         | 2480  | /              | /     | /     |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 7.65      | 7.82         | 7.76  | /              | /     | /     |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 11.00     | 11.00        | 11.00 | /              | /     | /     |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | NO           | NO    | /              | /     | /     |
| Mode                                                                                                                                                                                                                                                                              | BLE-1Mbps |              |       | BLE-2Mbps      |       |       |
| Channel                                                                                                                                                                                                                                                                           | 0         | 19           | 39    | 1              | 19    | 38    |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2440         | 2480  | 2404           | 2440  | 2478  |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 5.39      | 5.30         | 5.53  | 5.82           | 5.58  | 6.01  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 9.00      | 9.00         | 9.00  | 9.00           | 9.00  | 9.00  |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | NO           | NO    | NO             | NO    | NO    |
| Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode. |           |              |       |                |       |       |

## 8.7.3 Bluetooth(ANT7)-Low Power2

| Mode                                                                                                                                                                                                                                                                              | GFSK      |      |             | $\pi/4$ -DQPSK |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|-------------|----------------|------|------|
| Channel                                                                                                                                                                                                                                                                           | 0         | 39   | 78          | 0              | 39   | 78   |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2441 | 2480        | 2402           | 2441 | 2480 |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 6.06      | 6.38 | <b>6.47</b> | 4.13           | 4.44 | 4.52 |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 9.00      | 9.00 | 9.00        | 7.00           | 7.00 | 7.00 |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | NO   | YES         | NO             | NO   | NO   |
| Mode                                                                                                                                                                                                                                                                              | 8-DPSK    |      |             | /              |      |      |
| Channel                                                                                                                                                                                                                                                                           | 0         | 39   | 78          | /              | /    | /    |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2441 | 2480        | /              | /    | /    |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 3.96      | 4.20 | 4.22        | /              | /    | /    |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 7.00      | 7.00 | 7.00        | /              | /    | /    |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | NO   | NO          | /              | /    | /    |
| Mode                                                                                                                                                                                                                                                                              | BLE-1Mbps |      |             | BLE-2Mbps      |      |      |
| Channel                                                                                                                                                                                                                                                                           | 0         | 19   | 39          | 1              | 19   | 38   |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402      | 2440 | 2480        | 2404           | 2440 | 2478 |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 5.39      | 5.30 | 5.53        | 5.82           | 5.58 | 6.01 |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 9.00      | 9.00 | 9.00        | 9.00           | 9.00 | 9.00 |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO        | NO   | NO          | NO             | NO   | NO   |
| Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode. |           |      |             |                |      |      |

## 8.7.4 Bluetooth(ANT9)-High Power

| Mode                                                                                                                                                                                                                                                                      | GFSK      |       |              | $\pi/4$ -DQPSK |       |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|--------------|----------------|-------|-------|
| Channel                                                                                                                                                                                                                                                                   | 0         | 39    | 78           | 0              | 39    | 78    |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402      | 2441  | 2480         | 2402           | 2441  | 2480  |
| Average Power (dBm)                                                                                                                                                                                                                                                       | 16.10     | 15.49 | <b>16.30</b> | 16.17          | 15.38 | 16.17 |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 18.00     | 18.00 | 18.00        | 16.00          | 16.00 | 16.00 |
| SAR Test Require                                                                                                                                                                                                                                                          | YES       | YES   | YES          | NO             | NO    | NO    |
| Mode                                                                                                                                                                                                                                                                      | 8-DPSK    |       |              | /              |       |       |
| Channel                                                                                                                                                                                                                                                                   | 0         | 39    | 78           | /              | /     | /     |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402      | 2441  | 2480         | /              | /     | /     |
| Average Power (dBm)                                                                                                                                                                                                                                                       | 16.47     | 15.69 | 16.44        | /              | /     | /     |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 16.00     | 16.00 | 16.00        | /              | /     | /     |
| SAR Test Require                                                                                                                                                                                                                                                          | NO        | NO    | NO           | /              | /     | /     |
| Mode                                                                                                                                                                                                                                                                      | BLE-1Mbps |       |              | BLE-2Mbps      |       |       |
| Channel                                                                                                                                                                                                                                                                   | 0         | 19    | 39           | 1              | 19    | 38    |
| Frequency (MHz)                                                                                                                                                                                                                                                           | 2402      | 2440  | 2480         | 2404           | 2440  | 2478  |
| Average Power (dBm)                                                                                                                                                                                                                                                       | 7.74      | 6.44  | 5.24         | 8.01           | 6.74  | 5.42  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                       | 10.00     | 10.00 | 10.00        | 10.00          | 10.00 | 10.00 |
| SAR Test Require                                                                                                                                                                                                                                                          | NO        | NO    | NO           | NO             | NO    | NO    |
| Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq 1/4$ dB higher than the primary mode. |           |       |              |                |       |       |

## 8.7.5 Bluetooth(ANT9)-Low Power1

| Mode                                                                                                                                                                                                                                                                              | GFSK         |       |       | $\pi/4$ -DQPSK |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|----------------|-------|-------|
| Channel                                                                                                                                                                                                                                                                           | 0            | 39    | 78    | 0              | 39    | 78    |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402         | 2441  | 2480  | 2402           | 2441  | 2480  |
| Average Power (dBm)                                                                                                                                                                                                                                                               | <b>12.18</b> | 11.04 | 9.99  | 9.76           | 8.58  | 7.48  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 14.00        | 14.00 | 14.00 | 13.00          | 13.00 | 13.00 |
| SAR Test Require                                                                                                                                                                                                                                                                  | YES          | NO    | NO    | NO             | NO    | NO    |
| Mode                                                                                                                                                                                                                                                                              | 8-DPSK       |       |       | /              |       |       |
| Channel                                                                                                                                                                                                                                                                           | 0            | 39    | 78    | /              | /     | /     |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402         | 2441  | 2480  | /              | /     | /     |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 9.68         | 8.54  | 7.43  | /              | /     | /     |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 13.00        | 13.00 | 13.00 | /              | /     | /     |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO           | NO    | NO    | /              | /     | /     |
| Mode                                                                                                                                                                                                                                                                              | BLE-1Mbps    |       |       | BLE-2Mbps      |       |       |
| Channel                                                                                                                                                                                                                                                                           | 0            | 19    | 39    | 1              | 19    | 38    |
| Frequency (MHz)                                                                                                                                                                                                                                                                   | 2402         | 2440  | 2480  | 2404           | 2440  | 2478  |
| Average Power (dBm)                                                                                                                                                                                                                                                               | 7.74         | 6.44  | 5.24  | 8.01           | 6.74  | 5.42  |
| Tune-Up Limit (dBm)                                                                                                                                                                                                                                                               | 10.00        | 10.00 | 10.00 | 10.00          | 10.00 | 10.00 |
| SAR Test Require                                                                                                                                                                                                                                                                  | NO           | NO    | NO    | NO             | NO    | NO    |
| Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode. |              |       |       |                |       |       |

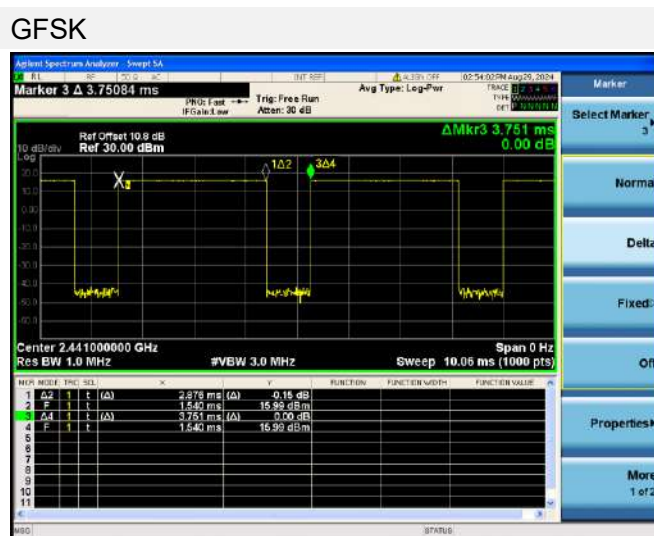
### 8.7.6 Bluetooth(ANT9)-Low Power2

| Mode                | GFSK        |       |       | $\pi/4$ -DQPSK |       |       |
|---------------------|-------------|-------|-------|----------------|-------|-------|
| Channel             | 0           | 39    | 78    | 0              | 39    | 78    |
| Frequency (MHz)     | 2402        | 2441  | 2480  | 2402           | 2441  | 2480  |
| Average Power (dBm) | <b>8.09</b> | 7.27  | 6.13  | 6.25           | 5.23  | 4.09  |
| Tune-Up Limit (dBm) | 10.00       | 10.00 | 10.00 | 9.00           | 9.00  | 9.00  |
| SAR Test Require    | YES         | NO    | NO    | NO             | NO    | NO    |
| Mode                | 8-DPSK      |       |       | /              |       |       |
| Channel             | 0           | 39    | 78    | /              | /     | /     |
| Frequency (MHz)     | 2402        | 2441  | 2480  | /              | /     | /     |
| Average Power (dBm) | 5.99        | 5.09  | 3.71  | /              | /     | /     |
| Tune-Up Limit (dBm) | 9.00        | 9.00  | 9.00  | /              | /     | /     |
| SAR Test Require    | NO          | NO    | NO    | /              | /     | /     |
| Mode                | BLE-1Mbps   |       |       | BLE-2Mbps      |       |       |
| Channel             | 0           | 19    | 39    | 1              | 19    | 38    |
| Frequency (MHz)     | 2402        | 2440  | 2480  | 2404           | 2440  | 2478  |
| Average Power (dBm) | 7.74        | 6.44  | 5.24  | 8.01           | 6.74  | 5.42  |
| Tune-Up Limit (dBm) | 10.00       | 10.00 | 10.00 | 10.00          | 10.00 | 10.00 |
| SAR Test Require    | NO          | NO    | NO    | NO             | NO    | NO    |

Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode.

Note: The Bluetooth duty cycle is 76.67 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

#### Duty Cycle



## 8.8 Power Reduction List

1.This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.

2.When device is making call in head, the power reduction will applied for SAR compliance.

3.When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.

4.When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

5.The device employs proximity sensors that detect the presence of the user's body of the device. When these conditions are detected, Body reduced power will be active.

6.When the proximity sensor fails, the power is reduced to the corresponding Sensor On scenario.

**WWAN Reduced power level table**

| Reduced level | Sensor state                        | Receiver state         | Transmitting                   | Antenna | Position                                      |
|---------------|-------------------------------------|------------------------|--------------------------------|---------|-----------------------------------------------|
|               |                                     |                        | conditions                     |         |                                               |
| DSI1          | /                                   | On<br>(head scenario)  | WWAN Use Only & WWAN<br>+ WLAN | Ant.0   | Head                                          |
|               |                                     |                        |                                | Ant.1   |                                               |
|               |                                     |                        |                                | Ant.2   |                                               |
|               |                                     |                        |                                | Ant.3   |                                               |
|               |                                     |                        |                                | Ant.4   |                                               |
|               |                                     |                        |                                | Ant.5   |                                               |
|               |                                     |                        |                                | Ant.6   |                                               |
|               |                                     |                        |                                | Ant.7   |                                               |
|               |                                     |                        |                                | Ant.8   |                                               |
|               |                                     |                        |                                | Ant.9   |                                               |
| DSI2          | Sensor(CS0) On +<br>Sensor(CS6) Off | Off<br>(Body scenario) | WWAN Use Only                  | Ant.0   | Front Side;Back Side;Left<br>Edge;Bottom Edge |
|               |                                     |                        |                                | Ant.1   |                                               |
|               |                                     |                        |                                | Ant.2   |                                               |
|               |                                     |                        |                                | Ant.3   |                                               |
|               |                                     |                        |                                | Ant.4   |                                               |
|               |                                     |                        |                                | Ant.5   |                                               |
|               |                                     |                        |                                | Ant.6   |                                               |
|               |                                     |                        |                                | Ant.7   |                                               |
|               |                                     |                        |                                | Ant.8   |                                               |
|               |                                     |                        |                                | Ant.9   |                                               |
| DSI3          | Sensor(CS6) On                      | Off<br>(Body scenario) | WWAN Use Only                  | Ant.0   | Front Side;Back Side;Top<br>Edge              |
|               |                                     |                        |                                | Ant.1   |                                               |
|               |                                     |                        |                                | Ant.2   |                                               |
|               |                                     |                        |                                | Ant.3   |                                               |
|               |                                     |                        |                                | Ant.4   |                                               |
|               |                                     |                        |                                | Ant.5   |                                               |
|               |                                     |                        |                                | Ant.6   |                                               |
|               |                                     |                        |                                | Ant.7   |                                               |

|      |            |                           |                                |       |                                                                      |
|------|------------|---------------------------|--------------------------------|-------|----------------------------------------------------------------------|
|      |            |                           |                                | Ant.8 |                                                                      |
|      |            |                           |                                | Ant.9 |                                                                      |
| DSI4 | Full Power | Off<br>(Body scenario)    | WWAN Use Only & WWAN<br>+ WLAN | Ant.0 | Front Side;Back Side;Left<br>Edge;Right Edge;Top<br>Edge;Bottom Edge |
|      |            |                           |                                | Ant.1 |                                                                      |
|      |            |                           |                                | Ant.2 |                                                                      |
|      |            |                           |                                | Ant.3 |                                                                      |
|      |            |                           |                                | Ant.4 |                                                                      |
|      |            |                           |                                | Ant.5 |                                                                      |
|      |            |                           |                                | Ant.6 |                                                                      |
|      |            |                           |                                | Ant.7 |                                                                      |
|      |            |                           |                                | Ant.8 |                                                                      |
|      |            |                           |                                | Ant.9 |                                                                      |
| DSI5 | /          | Off<br>(Hotspot scenario) | WWAN + WLAN                    | Ant.0 | Front Side;Back Side;Left<br>Edge;Right Edge;Top<br>Edge;Bottom Edge |
|      |            |                           |                                | Ant.1 |                                                                      |
|      |            |                           |                                | Ant.2 |                                                                      |
|      |            |                           |                                | Ant.3 |                                                                      |
|      |            |                           |                                | Ant.4 |                                                                      |
|      |            |                           |                                | Ant.5 |                                                                      |
|      |            |                           |                                | Ant.6 |                                                                      |
|      |            |                           |                                | Ant.7 |                                                                      |
|      |            |                           |                                | Ant.8 |                                                                      |
|      |            |                           |                                | Ant.9 |                                                                      |

Note:

- 1.EUT has one sensor connected to two SAR Sensor signal channels. CS0 displays the sensing data of the lower antenna channel, while CS6 displays the sensing data of the upper antenna channel.
- 2.The antenna triggered by sensor(CS0) has Ant.0&3,The antenna triggered by sensor(CS6) has Ant.2&7.
- 3.The sensor trigger of Ant.7 only applies to the WWAN and is not suitable for WLAN.

| Mode                | Antenna | WWAN Antenna |                                              |                                           |       |       |                              |                                           |       |       |
|---------------------|---------|--------------|----------------------------------------------|-------------------------------------------|-------|-------|------------------------------|-------------------------------------------|-------|-------|
|                     |         | Full Power   | Receiver on                                  | Receiver off                              |       |       |                              |                                           |       |       |
|                     |         |              | Head                                         | Body-Worn                                 |       |       | Hotspot                      | Specific                                  |       |       |
|                     |         |              | Standalone &<br>Simultaneous<br>transmission | Standalone & Simultaneous<br>transmission |       |       | Simultaneous<br>transmission | Standalone & Simultaneous<br>transmission |       |       |
|                     |         | Off          | DSI1                                         | DSI2                                      | DSI3  | DSI4  | DSI5                         | DSI2                                      | DSI3  | DSI4  |
| GSM 850             | Ant.0   | 33.50        | 33.50                                        | 33.50                                     | 33.50 | 33.50 | 33.50                        | 33.50                                     | 33.50 | 33.50 |
| GPRS850 1 Tx Slot   | Ant.0   | 33.50        | 33.50                                        | 33.50                                     | 33.50 | 33.50 | 33.50                        | 33.50                                     | 33.50 | 33.50 |
| GPRS850 2 Tx Slot   | Ant.0   | 30.50        | 30.50                                        | 30.50                                     | 30.50 | 30.50 | 30.50                        | 30.50                                     | 30.50 | 30.50 |
| GPRS850 3 Tx Slot   | Ant.0   | 28.70        | 28.70                                        | 28.70                                     | 28.70 | 28.70 | 28.70                        | 28.70                                     | 28.70 | 28.70 |
| GPRS850 4 Tx Slot   | Ant.0   | 27.50        | 27.50                                        | 27.50                                     | 27.50 | 27.50 | 27.50                        | 27.50                                     | 27.50 | 27.50 |
| EGPRS850 1 Tx Slot  | Ant.0   | 33.50        | 33.50                                        | 33.50                                     | 33.50 | 33.50 | 33.50                        | 33.50                                     | 33.50 | 33.50 |
| EGPRS850 2 Tx Slot  | Ant.0   | 30.50        | 30.50                                        | 30.50                                     | 30.50 | 30.50 | 30.50                        | 30.50                                     | 30.50 | 30.50 |
| EGPRS850 3 Tx Slot  | Ant.0   | 28.70        | 28.70                                        | 28.70                                     | 28.70 | 28.70 | 28.70                        | 28.70                                     | 28.70 | 28.70 |
| EGPRS850 4 Tx Slot  | Ant.0   | 27.50        | 27.50                                        | 27.50                                     | 27.50 | 27.50 | 27.50                        | 27.50                                     | 27.50 | 27.50 |
| GSM 850             | Ant.1   | 34.00        | 34.00                                        | 34.00                                     | 34.00 | 34.00 | 34.00                        | 34.00                                     | 34.00 | 34.00 |
| GPRS850 1 Tx Slot   | Ant.1   | 34.00        | 34.00                                        | 34.00                                     | 34.00 | 34.00 | 34.00                        | 34.00                                     | 34.00 | 34.00 |
| GPRS850 2 Tx Slot   | Ant.1   | 31.00        | 31.00                                        | 31.00                                     | 31.00 | 31.00 | 31.00                        | 31.00                                     | 31.00 | 31.00 |
| GPRS850 3 Tx Slot   | Ant.1   | 29.20        | 29.20                                        | 29.20                                     | 29.20 | 29.20 | 29.20                        | 29.20                                     | 29.20 | 29.20 |
| GPRS850 4 Tx Slot   | Ant.1   | 28.00        | 28.00                                        | 28.00                                     | 28.00 | 28.00 | 28.00                        | 28.00                                     | 28.00 | 28.00 |
| EGPRS850 1 Tx Slot  | Ant.1   | 34.00        | 34.00                                        | 34.00                                     | 34.00 | 34.00 | 34.00                        | 34.00                                     | 34.00 | 34.00 |
| EGPRS850 2 Tx Slot  | Ant.1   | 31.00        | 31.00                                        | 31.00                                     | 31.00 | 31.00 | 31.00                        | 31.00                                     | 31.00 | 31.00 |
| EGPRS850 3 Tx Slot  | Ant.1   | 29.20        | 29.20                                        | 29.20                                     | 29.20 | 29.20 | 29.20                        | 29.20                                     | 29.20 | 29.20 |
| EGPRS850 4 Tx Slot  | Ant.1   | 28.00        | 28.00                                        | 28.00                                     | 28.00 | 28.00 | 28.00                        | 28.00                                     | 28.00 | 28.00 |
| GSM1900             | Ant.2   | 30.50        | 28.50                                        | 30.50                                     | 30.50 | 30.50 | 28.50                        | 30.50                                     | 30.50 | 30.50 |
| GPRS1900 1 Tx Slot  | Ant.2   | 30.50        | 28.50                                        | 30.50                                     | 30.50 | 30.50 | 28.50                        | 30.50                                     | 30.50 | 30.50 |
| GPRS1900 2 Tx Slot  | Ant.2   | 27.50        | 25.50                                        | 27.50                                     | 27.50 | 27.50 | 25.50                        | 27.50                                     | 27.50 | 27.50 |
| GPRS1900 3 Tx Slot  | Ant.2   | 25.70        | 23.70                                        | 25.70                                     | 25.70 | 25.70 | 23.70                        | 25.70                                     | 25.70 | 25.70 |
| GPRS1900 4 Tx Slot  | Ant.2   | 24.50        | 22.50                                        | 24.50                                     | 24.50 | 24.50 | 22.50                        | 24.50                                     | 24.50 | 24.50 |
| EGPRS1900 1 Tx Slot | Ant.2   | 30.50        | 28.50                                        | 30.50                                     | 30.50 | 30.50 | 28.50                        | 30.50                                     | 30.50 | 30.50 |
| EGPRS1900 2 Tx Slot | Ant.2   | 27.50        | 25.50                                        | 27.50                                     | 27.50 | 27.50 | 25.50                        | 27.50                                     | 27.50 | 27.50 |
| EGPRS1900 3 Tx Slot | Ant.2   | 25.70        | 23.70                                        | 25.70                                     | 25.70 | 25.70 | 23.70                        | 25.70                                     | 25.70 | 25.70 |
| EGPRS1900 4 Tx Slot | Ant.2   | 24.50        | 22.50                                        | 24.50                                     | 24.50 | 24.50 | 22.50                        | 24.50                                     | 24.50 | 24.50 |
| GSM1900             | Ant.3   | 30.00        | 30.00                                        | 29.50                                     | 29.50 | 30.00 | 29.50                        | 29.50                                     | 29.50 | 30.00 |
| GPRS1900 1 Tx Slot  | Ant.3   | 30.00        | 30.00                                        | 29.50                                     | 29.50 | 30.00 | 29.50                        | 29.50                                     | 29.50 | 30.00 |
| GPRS1900 2 Tx Slot  | Ant.3   | 27.00        | 27.00                                        | 26.50                                     | 26.50 | 27.00 | 26.50                        | 26.50                                     | 26.50 | 27.00 |
| GPRS1900 3 Tx Slot  | Ant.3   | 25.20        | 25.20                                        | 24.70                                     | 24.70 | 25.20 | 24.70                        | 24.70                                     | 24.70 | 25.20 |
| GPRS1900 4 Tx Slot  | Ant.3   | 24.00        | 24.00                                        | 23.50                                     | 23.50 | 24.00 | 23.50                        | 23.50                                     | 23.50 | 24.00 |
| EGPRS1900 1 Tx Slot | Ant.3   | 30.00        | 30.00                                        | 29.50                                     | 29.50 | 30.00 | 29.50                        | 29.50                                     | 29.50 | 30.00 |
| EGPRS1900 2 Tx Slot | Ant.3   | 27.00        | 27.00                                        | 26.50                                     | 26.50 | 27.00 | 26.50                        | 26.50                                     | 26.50 | 27.00 |
| EGPRS1900 3 Tx Slot | Ant.3   | 25.20        | 25.20                                        | 24.70                                     | 24.70 | 25.20 | 24.70                        | 24.70                                     | 24.70 | 25.20 |

|                     |       |       |       |       |       |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EGPRS1900 4 Tx Slot | Ant.3 | 24.00 | 24.00 | 23.50 | 23.50 | 24.00 | 23.50 | 23.50 | 23.50 | 24.00 |
| WCDMA Band2 RMC     | Ant.2 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 |
| WCDMA Band2 AMR     | Ant.2 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 |
| HSDPA Subtest-1     | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| HSDPA Subtest-2     | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| HSDPA Subtest-3     | Ant.2 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 |
| HSDPA Subtest-4     | Ant.2 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 |
| DC-HSDPA Subtest-1  | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| DC-HSDPA Subtest-2  | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| DC-HSDPA Subtest-3  | Ant.2 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 |
| DC-HSDPA Subtest-4  | Ant.2 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 | 17.50 | 22.00 | 20.00 | 22.00 |
| HSUPA Subtest-1     | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| HSUPA Subtest-2     | Ant.2 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 |
| HSUPA Subtest-3     | Ant.2 | 21.50 | 17.00 | 21.50 | 19.50 | 21.50 | 17.00 | 21.50 | 19.50 | 21.50 |
| HSUPA Subtest-4     | Ant.2 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 |
| HSUPA Subtest-5     | Ant.2 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 | 18.00 | 22.50 | 20.50 | 22.50 |
| HSPA+               | Ant.2 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 | 16.00 | 20.50 | 18.50 | 20.50 |
| WCDMA Band2 RMC     | Ant.3 | 23.50 | 23.50 | 22.50 | 22.50 | 23.50 | 22.50 | 22.50 | 22.50 | 23.50 |
| WCDMA Band2 AMR     | Ant.3 | 23.50 | 23.50 | 22.50 | 22.50 | 23.50 | 22.50 | 22.50 | 22.50 | 23.50 |
| HSDPA Subtest-1     | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| HSDPA Subtest-2     | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| HSDPA Subtest-3     | Ant.3 | 22.00 | 22.00 | 21.00 | 21.00 | 22.00 | 21.00 | 21.00 | 21.00 | 22.00 |
| HSDPA Subtest-4     | Ant.3 | 22.00 | 22.00 | 21.00 | 21.00 | 22.00 | 21.00 | 21.00 | 21.00 | 22.00 |
| DC-HSDPA Subtest-1  | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| DC-HSDPA Subtest-2  | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| DC-HSDPA Subtest-3  | Ant.3 | 22.00 | 22.00 | 21.00 | 21.00 | 22.00 | 21.00 | 21.00 | 21.00 | 22.00 |
| DC-HSDPA Subtest-4  | Ant.3 | 22.00 | 22.00 | 21.00 | 21.00 | 22.00 | 21.00 | 21.00 | 21.00 | 22.00 |
| HSUPA Subtest-1     | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| HSUPA Subtest-2     | Ant.3 | 20.50 | 20.50 | 19.50 | 19.50 | 20.50 | 19.50 | 19.50 | 19.50 | 20.50 |
| HSUPA Subtest-3     | Ant.3 | 21.50 | 21.50 | 20.50 | 20.50 | 21.50 | 20.50 | 20.50 | 20.50 | 21.50 |
| HSUPA Subtest-4     | Ant.3 | 20.50 | 20.50 | 19.50 | 19.50 | 20.50 | 19.50 | 19.50 | 19.50 | 20.50 |
| HSUPA Subtest-5     | Ant.3 | 22.50 | 22.50 | 21.50 | 21.50 | 22.50 | 21.50 | 21.50 | 21.50 | 22.50 |
| HSPA+               | Ant.3 | 20.50 | 20.50 | 19.50 | 19.50 | 20.50 | 19.50 | 19.50 | 19.50 | 20.50 |
| WCDMA Band4 RMC     | Ant.2 | 25.00 | 18.00 | 25.00 | 20.50 | 25.00 | 18.00 | 25.00 | 20.50 | 25.00 |
| WCDMA Band4 RMC     | Ant.2 | 25.00 | 18.00 | 25.00 | 20.50 | 25.00 | 18.00 | 25.00 | 20.50 | 25.00 |
| HSDPA Subtest-1     | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| HSDPA Subtest-2     | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| HSDPA Subtest-3     | Ant.2 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 |
| HSDPA Subtest-4     | Ant.2 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 |
| DC-HSDPA Subtest-1  | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| DC-HSDPA Subtest-2  | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| DC-HSDPA Subtest-3  | Ant.2 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 |
| DC-HSDPA Subtest-4  | Ant.2 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 | 16.50 | 23.50 | 19.00 | 23.50 |

|                    |       |       |       |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HSUPA Subtest-1    | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| HSUPA Subtest-2    | Ant.2 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 |
| HSUPA Subtest-3    | Ant.2 | 23.00 | 16.00 | 23.00 | 18.50 | 23.00 | 16.00 | 23.00 | 18.50 | 23.00 |
| HSUPA Subtest-4    | Ant.2 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 |
| HSUPA Subtest-5    | Ant.2 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 | 17.00 | 24.00 | 19.50 | 24.00 |
| HSPA+              | Ant.2 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 | 15.00 | 22.00 | 17.50 | 22.00 |
| WCDMA Band4 RMC    | Ant.3 | 25.00 | 25.00 | 21.50 | 21.50 | 25.00 | 21.50 | 21.50 | 21.50 | 25.00 |
| WCDMA Band4 RMC    | Ant.3 | 25.00 | 25.00 | 21.50 | 21.50 | 25.00 | 21.50 | 21.50 | 21.50 | 25.00 |
| HSDPA Subtest-1    | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| HSDPA Subtest-2    | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| HSDPA Subtest-3    | Ant.3 | 23.50 | 23.50 | 20.00 | 20.00 | 23.50 | 20.00 | 20.00 | 20.00 | 23.50 |
| HSDPA Subtest-4    | Ant.3 | 23.50 | 23.50 | 20.00 | 20.00 | 23.50 | 20.00 | 20.00 | 20.00 | 23.50 |
| DC-HSDPA Subtest-1 | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| DC-HSDPA Subtest-2 | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| DC-HSDPA Subtest-3 | Ant.3 | 23.50 | 23.50 | 20.00 | 20.00 | 23.50 | 20.00 | 20.00 | 20.00 | 23.50 |
| DC-HSDPA Subtest-4 | Ant.3 | 23.50 | 23.50 | 20.00 | 20.00 | 23.50 | 20.00 | 20.00 | 20.00 | 23.50 |
| HSUPA Subtest-1    | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| HSUPA Subtest-2    | Ant.3 | 22.00 | 22.00 | 18.50 | 18.50 | 22.00 | 18.50 | 18.50 | 18.50 | 22.00 |
| HSUPA Subtest-3    | Ant.3 | 23.00 | 23.00 | 19.50 | 19.50 | 23.00 | 19.50 | 19.50 | 19.50 | 23.00 |
| HSUPA Subtest-4    | Ant.3 | 22.00 | 22.00 | 18.50 | 18.50 | 22.00 | 18.50 | 18.50 | 18.50 | 22.00 |
| HSUPA Subtest-5    | Ant.3 | 24.00 | 24.00 | 20.50 | 20.50 | 24.00 | 20.50 | 20.50 | 20.50 | 24.00 |
| HSPA+              | Ant.3 | 22.00 | 22.00 | 18.50 | 18.50 | 22.00 | 18.50 | 18.50 | 18.50 | 22.00 |
| WCDMA Band4 RMC    | Ant.4 | 24.00 | 18.50 | 21.00 | 21.00 | 21.00 | 18.50 | 21.00 | 21.00 | 21.00 |
| WCDMA Band4 RMC    | Ant.4 | 24.00 | 18.50 | 21.00 | 21.00 | 21.00 | 18.50 | 21.00 | 21.00 | 21.00 |
| HSDPA Subtest-1    | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| HSDPA Subtest-2    | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| HSDPA Subtest-3    | Ant.4 | 22.50 | 17.00 | 19.50 | 19.50 | 19.50 | 17.00 | 19.50 | 19.50 | 19.50 |
| HSDPA Subtest-4    | Ant.4 | 22.50 | 17.00 | 19.50 | 19.50 | 19.50 | 17.00 | 19.50 | 19.50 | 19.50 |
| DC-HSDPA Subtest-1 | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| DC-HSDPA Subtest-2 | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| DC-HSDPA Subtest-3 | Ant.4 | 22.50 | 17.00 | 19.50 | 19.50 | 19.50 | 17.00 | 19.50 | 19.50 | 19.50 |
| DC-HSDPA Subtest-4 | Ant.4 | 22.50 | 17.00 | 19.50 | 19.50 | 19.50 | 17.00 | 19.50 | 19.50 | 19.50 |
| HSUPA Subtest-1    | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| HSUPA Subtest-2    | Ant.4 | 21.00 | 15.50 | 18.00 | 18.00 | 18.00 | 15.50 | 18.00 | 18.00 | 18.00 |
| HSUPA Subtest-3    | Ant.4 | 22.00 | 16.50 | 19.00 | 19.00 | 19.00 | 16.50 | 19.00 | 19.00 | 19.00 |
| HSUPA Subtest-4    | Ant.4 | 21.00 | 15.50 | 18.00 | 18.00 | 18.00 | 15.50 | 18.00 | 18.00 | 18.00 |
| HSUPA Subtest-5    | Ant.4 | 23.00 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| HSPA+              | Ant.4 | 21.00 | 15.50 | 18.00 | 18.00 | 18.00 | 15.50 | 18.00 | 18.00 | 18.00 |
| WCDMA Band4 RMC    | Ant.5 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| WCDMA Band4 AMR    | Ant.5 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| HSDPA Subtest-1    | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| HSDPA Subtest-2    | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| HSDPA Subtest-3    | Ant.5 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 |

|                    |       |       |       |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HSDPA Subtest-4    | Ant.5 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 |
| DC-HSDPA Subtest-1 | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| DC-HSDPA Subtest-2 | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| DC-HSDPA Subtest-3 | Ant.5 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 |
| DC-HSDPA Subtest-4 | Ant.5 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 |
| HSUPA Subtest-1    | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| HSUPA Subtest-2    | Ant.5 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| HSUPA Subtest-3    | Ant.5 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| HSUPA Subtest-4    | Ant.5 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| HSUPA Subtest-5    | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| HSPA+              | Ant.5 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| WCDMA Band5 RMC    | Ant.0 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| WCDMA Band5 AMR    | Ant.0 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| HSDPA Subtest-1    | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| HSDPA Subtest-2    | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| HSDPA Subtest-3    | Ant.0 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| HSDPA Subtest-4    | Ant.0 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| DC-HSDPA Subtest-1 | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC-HSDPA Subtest-2 | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC-HSDPA Subtest-3 | Ant.0 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| DC-HSDPA Subtest-4 | Ant.0 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| HSUPA Subtest-1    | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| HSUPA Subtest-2    | Ant.0 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| HSUPA Subtest-3    | Ant.0 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 |
| HSUPA Subtest-4    | Ant.0 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| HSUPA Subtest-5    | Ant.0 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| HSPA+              | Ant.0 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| WCDMA Band5 RMC    | Ant.1 | 25.50 | 24.50 | 25.50 | 25.50 | 25.50 | 24.50 | 25.50 | 25.50 | 25.50 |
| WCDMA Band5 AMR    | Ant.1 | 25.50 | 24.50 | 25.50 | 25.50 | 25.50 | 24.50 | 25.50 | 25.50 | 25.50 |
| DC-HSDPA Subtest-1 | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| DC-HSDPA Subtest-2 | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| DC-HSDPA Subtest-3 | Ant.1 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 |
| DC-HSDPA Subtest-4 | Ant.1 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 |
| HSDPA Subtest-1    | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| HSDPA Subtest-2    | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| HSDPA Subtest-3    | Ant.1 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 |
| HSDPA Subtest-4    | Ant.1 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 | 23.00 | 24.00 | 24.00 | 24.00 |
| HSUPA Subtest-1    | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| HSUPA Subtest-2    | Ant.1 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 |
| HSUPA Subtest-3    | Ant.1 | 23.50 | 22.50 | 23.50 | 23.50 | 23.50 | 22.50 | 23.50 | 23.50 | 23.50 |
| HSUPA Subtest-4    | Ant.1 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 |
| HSUPA Subtest-5    | Ant.1 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| HSPA+              | Ant.1 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 | 21.50 | 22.50 | 22.50 | 22.50 |

|            |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE Band2  | Ant.2 | 23.50 | 19.50 | 23.50 | 21.50 | 23.50 | 19.50 | 23.50 | 21.50 | 23.50 |
| LTE Band2  | Ant.3 | 23.00 | 23.00 | 22.00 | 22.00 | 23.00 | 22.00 | 22.00 | 22.00 | 23.00 |
| LTE Band2  | Ant.4 | 24.50 | 24.50 | 24.50 | 24.50 | 24.50 | 24.50 | 24.50 | 24.50 | 24.50 |
| LTE Band2  | Ant.5 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| LTE Band4  | Ant.2 | 25.50 | 17.00 | 25.50 | 21.00 | 25.50 | 17.00 | 25.50 | 21.00 | 25.50 |
| LTE Band4  | Ant.3 | 25.50 | 25.50 | 22.00 | 22.00 | 25.50 | 22.00 | 22.00 | 22.00 | 25.50 |
| LTE Band4  | Ant.4 | 26.00 | 20.50 | 22.50 | 22.50 | 22.50 | 20.50 | 22.50 | 22.50 | 22.50 |
| LTE Band4  | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| LTE Band5  | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band5  | Ant.1 | 25.50 | 24.00 | 25.00 | 25.00 | 25.00 | 24.00 | 25.00 | 25.00 | 25.00 |
| LTE Band7  | Ant.2 | 25.50 | 17.00 | 25.50 | 19.50 | 25.50 | 17.00 | 25.50 | 19.50 | 25.50 |
| LTE Band7  | Ant.3 | 25.00 | 25.00 | 21.00 | 21.00 | 25.00 | 21.00 | 21.00 | 21.00 | 25.00 |
| LTE Band7  | Ant.4 | 24.00 | 17.00 | 18.00 | 18.00 | 18.00 | 17.00 | 18.00 | 18.00 | 18.00 |
| LTE Band7  | Ant.5 | 21.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| LTE Band12 | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band12 | Ant.1 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band13 | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band13 | Ant.1 | 25.50 | 25.00 | 25.50 | 25.50 | 25.50 | 25.00 | 25.50 | 25.50 | 25.50 |
| LTE Band17 | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band17 | Ant.1 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band26 | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| LTE Band26 | Ant.1 | 25.50 | 25.00 | 25.50 | 25.50 | 25.50 | 25.00 | 25.50 | 25.50 | 25.50 |
| LTE Band66 | Ant.2 | 25.50 | 17.50 | 25.50 | 21.50 | 25.50 | 17.50 | 25.50 | 21.50 | 25.50 |
| LTE Band66 | Ant.3 | 25.50 | 25.50 | 22.00 | 22.00 | 25.50 | 22.00 | 22.00 | 22.00 | 25.50 |
| LTE Band66 | Ant.4 | 26.00 | 20.00 | 22.50 | 22.50 | 22.50 | 20.00 | 22.50 | 22.50 | 22.50 |
| LTE Band66 | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| LTE Band38 | Ant.2 | 25.50 | 18.50 | 25.50 | 21.50 | 25.50 | 18.50 | 25.50 | 21.50 | 25.50 |
| LTE Band38 | Ant.3 | 24.00 | 24.00 | 23.00 | 23.00 | 24.00 | 23.00 | 23.00 | 23.00 | 24.00 |
| LTE Band38 | Ant.4 | 24.50 | 19.00 | 21.00 | 21.00 | 21.00 | 19.00 | 21.00 | 21.00 | 21.00 |
| LTE Band38 | Ant.5 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| LTE Band41 | Ant.2 | 25.00 | 19.00 | 25.00 | 20.50 | 25.00 | 19.00 | 25.00 | 20.50 | 25.00 |
| LTE Band41 | Ant.3 | 24.50 | 24.50 | 22.50 | 22.50 | 24.50 | 22.50 | 22.50 | 22.50 | 24.50 |
| LTE Band41 | Ant.4 | 24.50 | 19.00 | 21.50 | 21.50 | 21.50 | 19.00 | 21.50 | 21.50 | 21.50 |
| LTE Band41 | Ant.5 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| LTE Band42 | Ant.6 | 25.50 | 15.50 | 19.00 | 19.00 | 19.00 | 15.50 | 19.00 | 19.00 | 19.00 |
| LTE Band42 | Ant.7 | 23.00 | 18.00 | 23.00 | 20.50 | 23.00 | 18.00 | 23.00 | 20.50 | 23.00 |
| LTE Band42 | Ant.8 | 25.50 | 25.00 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| LTE Band42 | Ant.9 | 22.00 | 17.50 | 21.00 | 21.00 | 21.00 | 17.50 | 21.00 | 21.00 | 21.00 |
| LTE Band48 | Ant.6 | 23.50 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
| LTE Band48 | Ant.7 | 21.00 | 15.50 | 21.00 | 18.00 | 21.00 | 15.50 | 21.00 | 18.00 | 21.00 |
| LTE Band48 | Ant.8 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| LTE Band48 | Ant.9 | 21.00 | 17.50 | 21.00 | 21.00 | 21.00 | 17.50 | 21.00 | 21.00 | 21.00 |
| n2         | Ant.2 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 | 19.00 | 23.50 | 21.50 | 23.50 |

|          |       |       |       |       |       |       |       |       |       |       |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| n2       | Ant.3 | 23.50 | 23.50 | 22.50 | 22.50 | 23.50 | 22.50 | 22.50 | 22.50 | 23.50 |
| n5       | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| n5       | Ant.1 | 26.00 | 24.00 | 25.50 | 25.50 | 25.50 | 24.00 | 25.50 | 25.50 | 25.50 |
| n7       | Ant.2 | 25.50 | 17.00 | 25.50 | 20.00 | 25.50 | 17.00 | 25.50 | 20.00 | 25.50 |
| n7       | Ant.3 | 25.50 | 25.50 | 21.00 | 21.00 | 25.50 | 21.00 | 21.00 | 21.00 | 25.50 |
| n7       | Ant.4 | 23.50 | 16.50 | 18.50 | 18.50 | 18.50 | 16.50 | 18.50 | 18.50 | 18.50 |
| n7       | Ant.5 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| n12      | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| n12      | Ant.1 | 26.00 | 26.00 | 26.00 | 26.00 | 26.00 | 25.00 | 26.00 | 26.00 | 26.00 |
| n26      | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
| n26      | Ant.1 | 26.00 | 23.50 | 24.50 | 24.50 | 24.50 | 23.50 | 24.50 | 24.50 | 24.50 |
| n66      | Ant.2 | 25.50 | 18.00 | 25.50 | 21.50 | 25.50 | 18.00 | 25.50 | 21.50 | 25.50 |
| n66      | Ant.3 | 25.50 | 25.50 | 24.00 | 24.00 | 25.50 | 21.00 | 24.00 | 24.00 | 25.50 |
| n66      | Ant.4 | 24.50 | 18.00 | 22.00 | 22.00 | 22.00 | 18.00 | 22.00 | 22.00 | 22.00 |
| n66      | Ant.5 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 |
| n38      | Ant.2 | 25.00 | 16.50 | 25.00 | 20.50 | 25.00 | 16.50 | 25.00 | 20.50 | 25.00 |
| n38      | Ant.3 | 24.50 | 24.50 | 22.50 | 22.50 | 24.50 | 22.50 | 22.50 | 22.50 | 24.50 |
| n38      | Ant.4 | 24.00 | 17.00 | 19.50 | 19.50 | 19.50 | 17.00 | 19.50 | 19.50 | 19.50 |
| n38      | Ant.5 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 | 21.00 |
| n41      | Ant.2 | 25.50 | 17.00 | 25.50 | 20.00 | 25.50 | 17.00 | 25.50 | 20.00 | 25.50 |
| n41      | Ant.3 | 24.50 | 24.50 | 21.50 | 21.50 | 24.50 | 21.50 | 21.50 | 21.50 | 24.50 |
| n41      | Ant.4 | 24.50 | 17.00 | 21.00 | 21.00 | 21.00 | 17.00 | 21.00 | 21.00 | 21.00 |
| n41      | Ant.5 | 21.00 | 21.00 | 21.00 | 22.50 | 21.00 | 22.50 | 22.50 | 22.50 | 21.00 |
| n48      | Ant.6 | 23.50 | 15.50 | 19.50 | 19.50 | 19.50 | 15.50 | 19.50 | 19.50 | 19.50 |
| n48      | Ant.7 | 21.50 | 15.50 | 21.50 | 20.00 | 21.50 | 15.50 | 21.50 | 20.00 | 21.50 |
| n48      | Ant.8 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 | 23.50 |
| n48      | Ant.9 | 21.00 | 19.00 | 21.00 | 21.00 | 21.00 | 19.00 | 21.00 | 21.00 | 21.00 |
| n77(PC2) | Ant.6 | 28.50 | 17.50 | 20.00 | 20.00 | 20.00 | 17.50 | 20.00 | 20.00 | 20.00 |
| n77(PC2) | Ant.7 | 24.50 | 14.00 | 24.50 | 17.00 | 24.50 | 14.00 | 24.50 | 17.00 | 24.50 |
| n77(PC2) | Ant.8 | 28.00 | 22.50 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| n77(PC2) | Ant.9 | 24.50 | 20.00 | 21.50 | 21.50 | 21.50 | 20.00 | 21.50 | 21.50 | 21.50 |
| n77(PC3) | Ant.6 | 26.50 | 15.50 | 18.00 | 18.00 | 18.00 | 15.50 | 18.00 | 18.00 | 18.00 |
| n77(PC3) | Ant.7 | 22.50 | 12.00 | 22.50 | 15.00 | 22.50 | 12.00 | 22.50 | 15.00 | 22.50 |
| n77(PC3) | Ant.8 | 26.00 | 20.50 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |
| n77(PC3) | Ant.9 | 22.50 | 18.00 | 19.50 | 19.50 | 19.50 | 18.00 | 19.50 | 19.50 | 19.50 |
| n78(PC2) | Ant.6 | 28.50 | 16.00 | 19.00 | 19.00 | 19.00 | 16.00 | 19.00 | 19.00 | 19.00 |
| n78(PC2) | Ant.7 | 24.50 | 14.00 | 24.50 | 17.00 | 24.50 | 14.00 | 24.50 | 17.00 | 24.50 |
| n78(PC2) | Ant.8 | 28.00 | 21.50 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| n78(PC2) | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
| n78(PC3) | Ant.6 | 26.50 | 14.00 | 17.00 | 17.00 | 17.00 | 14.00 | 17.00 | 17.00 | 17.00 |
| n78(PC3) | Ant.7 | 22.50 | 12.00 | 22.50 | 15.00 | 22.50 | 12.00 | 22.50 | 15.00 | 22.50 |
| n78(PC3) | Ant.8 | 26.00 | 19.50 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |
| n78(PC3) | Ant.9 | 22.50 | 14.00 | 16.50 | 16.50 | 16.50 | 14.00 | 16.50 | 16.50 | 16.50 |

| LTE-UL CA Configurations | UL CA      | UL CA      | Antenna Configurations |           |           |           |           |           |           |           |           |           |           |           |
|--------------------------|------------|------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          | Band1      | Band2      | 1                      | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        |
| CA_7C                    | LTE Band7  | LTE Band7  | LTE Ant.2              | LTE Ant.3 | LTE Ant.4 | LTE Ant.5 | /         | /         | /         | /         | /         | /         | /         | /         |
| CA_38C                   | LTE Band38 | LTE Band38 | LTE Ant.2              | LTE Ant.3 | LTE Ant.4 | LTE Ant.5 | /         | /         | /         | /         | /         | /         | /         | /         |
| CA_2A_4A                 | LTE Band2  | LTE Band4  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 |
|                          |            |            | LTE Ant.3              | LTE Ant.4 | LTE Ant.5 | LTE Ant.2 | LTE Ant.4 | LTE Ant.5 | LTE Ant.2 | LTE Ant.3 | LTE Ant.5 | LTE Ant.2 | LTE Ant.3 | LTE Ant.4 |
| CA_4A_5A                 | LTE Band4  | LTE Band5  | LTE Ant.2              | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | /         | /         | /         | /         |
|                          |            |            | LTE Ant.0              | LTE Ant.1 | LTE Ant.0 | LTE Ant.1 | LTE Ant.0 | LTE Ant.1 | LTE Ant.0 | LTE Ant.1 | /         | /         | /         | /         |
| CA_4A_7A                 | LTE Band4  | LTE Band7  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 |
|                          |            |            | LTE Ant.3              | LTE Ant.4 | LTE Ant.5 | LTE Ant.2 | LTE Ant.4 | LTE Ant.5 | LTE Ant.2 | LTE Ant.3 | LTE Ant.5 | LTE Ant.2 | LTE Ant.3 | LTE Ant.4 |

| Mode     | Band      | Antenna | LTE-Inter CA Antenna |                                        |                                        |       |       |                           |                                        |       |       |
|----------|-----------|---------|----------------------|----------------------------------------|----------------------------------------|-------|-------|---------------------------|----------------------------------------|-------|-------|
|          |           |         | Full Power           | Receiver on                            | Receiver off                           |       |       |                           |                                        |       |       |
|          |           |         |                      | Head                                   | Body-Worn                              |       |       | Hotspot                   | Specific                               |       |       |
|          |           |         |                      | Standalone & Simultaneous transmission | Standalone & Simultaneous transmission |       |       | Simultaneous transmission | Standalone & Simultaneous transmission |       |       |
|          |           |         | Off                  | DSI1                                   | DSI2                                   | DSI3  | DSI4  | DSI5                      | DSI2                                   | DSI3  | DSI4  |
| CA_2A+4A | LTE Band2 | Ant.2   | 23.50                | 15.50                                  | 23.50                                  | 16.50 | 23.50 | 15.50                     | 23.50                                  | 16.50 | 23.50 |
|          | LTE Band2 | Ant.3   | 23.00                | 23.00                                  | 20.00                                  | 20.00 | 23.00 | 20.00                     | 20.00                                  | 20.00 | 23.00 |
|          | LTE Band2 | Ant.4   | 24.50                | 18.50                                  | 23.50                                  | 23.50 | 23.50 | 18.50                     | 23.50                                  | 23.50 | 23.50 |
|          | LTE Band2 | Ant.5   | 21.50                | 21.50                                  | 21.50                                  | 21.50 | 21.50 | 21.50                     | 21.50                                  | 21.50 | 21.50 |
|          | LTE Band4 | Ant.2   | 25.50                | 14.00                                  | 24.50                                  | 17.50 | 24.50 | 14.00                     | 24.50                                  | 17.50 | 24.50 |
|          | LTE Band4 | Ant.3   | 25.50                | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|          | LTE Band4 | Ant.4   | 26.00                | 15.50                                  | 20.00                                  | 20.00 | 20.00 | 15.50                     | 20.00                                  | 20.00 | 20.00 |
|          | LTE Band4 | Ant.5   | 24.00                | 24.00                                  | 24.00                                  | 24.00 | 24.00 | 24.00                     | 24.00                                  | 24.00 | 24.00 |
| CA_4A+5A | LTE Band4 | Ant.2   | 25.50                | 14.00                                  | 24.50                                  | 17.50 | 24.50 | 14.00                     | 24.50                                  | 17.50 | 24.50 |
|          | LTE Band4 | Ant.3   | 25.50                | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|          | LTE Band4 | Ant.4   | 26.00                | 15.50                                  | 20.00                                  | 20.00 | 20.00 | 15.50                     | 20.00                                  | 20.00 | 20.00 |
|          | LTE Band4 | Ant.5   | 24.00                | 24.00                                  | 24.00                                  | 24.00 | 24.00 | 24.00                     | 24.00                                  | 24.00 | 24.00 |
|          | LTE Band5 | Ant.0   | 25.50                | 25.50                                  | 24.50                                  | 24.50 | 25.50 | 24.50                     | 24.50                                  | 24.50 | 25.50 |
|          | LTE Band5 | Ant.1   | 25.50                | 20.50                                  | 23.50                                  | 23.50 | 23.50 | 20.50                     | 23.50                                  | 23.50 | 23.50 |
| CA_4A+7A | LTE Band4 | Ant.2   | 25.50                | 14.00                                  | 24.50                                  | 17.50 | 24.50 | 14.00                     | 24.50                                  | 17.50 | 24.50 |
|          | LTE Band4 | Ant.3   | 25.50                | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|          | LTE Band4 | Ant.4   | 26.00                | 15.50                                  | 20.00                                  | 20.00 | 20.00 | 15.50                     | 20.00                                  | 20.00 | 20.00 |
|          | LTE Band4 | Ant.5   | 24.00                | 24.00                                  | 24.00                                  | 24.00 | 24.00 | 24.00                     | 24.00                                  | 24.00 | 24.00 |
|          | LTE Band7 | Ant.2   | 25.50                | 14.50                                  | 23.50                                  | 16.50 | 23.50 | 14.50                     | 23.50                                  | 16.50 | 23.50 |
|          | LTE Band7 | Ant.3   | 25.00                | 25.00                                  | 19.00                                  | 19.00 | 25.00 | 19.00                     | 19.00                                  | 19.00 | 25.00 |
|          | LTE Band7 | Ant.4   | 24.00                | 14.00                                  | 18.00                                  | 18.00 | 18.00 | 14.00                     | 18.00                                  | 18.00 | 18.00 |
|          | LTE Band7 | Ant.5   | 21.00                | 18.00                                  | 16.00                                  | 16.00 | 16.00 | 16.00                     | 16.00                                  | 16.00 | 16.00 |

| EN-DC Configurations | E-UTRA     | NR   | Antenna Configurations |           |           |           |           |           |           |           |           |           |           |           |    |    |    |    |
|----------------------|------------|------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|----|----|----|
|                      | Band       | Band | 1                      | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13 | 14 | 15 | 16 |
| 7A+n5A               | LTE Band7  | n5   | LTE Ant.2              | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | /         | /         | /         | /         | /  | /  | /  | /  |
|                      |            |      | nr Ant.0               | nr Ant.1  | nr Ant.0  | nr Ant.1  | nr Ant.0  | nr Ant.1  | nr Ant.0  | nr Ant.1  | /         | /         | /         | /         | /  | /  | /  | /  |
| 4A+n7A               | LTE Band4  | n7   | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |
| 5A+n7A               | LTE Band5  | n7   | LTE Ant.0              | LTE Ant.0 | LTE Ant.0 | LTE Ant.0 | LTE Ant.1 | LTE Ant.1 | LTE Ant.1 | LTE Ant.1 | /         | /         | /         | /         | /  | /  | /  | /  |
|                      |            |      | nr Ant.2               | nr Ant.3  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | nr Ant.5  | /         | /         | /         | /         | /  | /  | /  | /  |
| 66A+n7A              | LTE Band66 | n7   | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |
| 2A+n66A              | LTE Band2  | n66  | LTE Ant.3              | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | /         | /         | /         | /         | /         | /         | /         | /         | /  | /  | /  | /  |
|                      |            |      | nr Ant.2               | nr Ant.5  | nr Ant.2  | nr Ant.5  | /         | /         | /         | /         | /         | /         | /         | /         | /  | /  | /  | /  |
| 5A+n66A              | LTE Band5  | n66  | LTE Ant.0              | LTE Ant.0 | LTE Ant.0 | LTE Ant.0 | LTE Ant.1 | LTE Ant.1 | LTE Ant.1 | LTE Ant.1 | /         | /         | /         | /         | /  | /  | /  | /  |
|                      |            |      | nr Ant.2               | nr Ant.3  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | nr Ant.5  | /         | /         | /         | /         | /  | /  | /  | /  |
| 7A+n66A              | LTE Band7  | n66  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |
| 4A+n38A              | LTE Band4  | n38  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |
| 66A+n38A             | LTE Band66 | n38  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |
| 4A+n41A              | LTE Band4  | n41  | LTE Ant.2              | LTE Ant.2 | LTE Ant.2 | LTE Ant.3 | LTE Ant.3 | LTE Ant.3 | LTE Ant.4 | LTE Ant.4 | LTE Ant.4 | LTE Ant.5 | LTE Ant.5 | LTE Ant.5 | /  | /  | /  | /  |
|                      |            |      | nr Ant.3               | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.4  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.5  | nr Ant.2  | nr Ant.3  | nr Ant.4  | /  | /  | /  | /  |

|          |               |     |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|----------|---------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 66A+n41A | LTE<br>Band66 | n41 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | /            | /            | /            | /            |
|          |               |     | nr<br>Ant.3  | nr<br>Ant.4  | nr<br>Ant.5  | nr<br>Ant.2  | nr<br>Ant.4  | nr<br>Ant.5  | nr<br>Ant.2  | nr<br>Ant.3  | nr<br>Ant.5  | nr<br>Ant.2  | nr<br>Ant.3  | nr<br>Ant.4  | nr<br>Ant.4  | /            | /            | /            | /            |
| 2A+n77A  | LTE<br>Band2  | n77 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | /            | /            | /            | /            | /            | /            | /            | /            | /            |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | /            | /            | /            | /            | /            | /            | /            | /            | /            |
| 2A+n78A  | LTE<br>Band2  | n78 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | /            | /            | /            | /            | /            | /            | /            | /            | /            |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | /            | /            | /            | /            | /            | /            | /            | /            | /            |
| 4A+n78A  | LTE<br>Band4  | n78 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  |
| 5A+n78A  | LTE<br>Band5  | n78 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.1 | LTE<br>Ant.1 | LTE<br>Ant.1 | LTE<br>Ant.1 | /            | /            | /            | /            | /            | /            | /            | /            | /            |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | /            | /            | /            | /            | /            | /            | /            | /            | /            |
| 7A+n78A  | LTE<br>Band7  | n78 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  |
| 26A+n78A | LTE<br>Band26 | n78 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.0 | LTE<br>Ant.1 | LTE<br>Ant.1 | LTE<br>Ant.1 | LTE<br>Ant.1 | /            | /            | /            | /            | /            | /            | /            | /            | /            |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | /            | /            | /            | /            | /            | /            | /            | /            | /            |
| 66A+n78A | LTE<br>Band66 | n78 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  |
| 38A+n78A | LTE<br>Band38 | n78 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  |
| 41A+n78A | LTE<br>Band41 | n78 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.2 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.3 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.4 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 | LTE<br>Ant.5 |
|          |               |     | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  | nr<br>Ant.9  | nr<br>Ant.6  | nr<br>Ant.7  | nr<br>Ant.8  | nr<br>Ant.9  |

| Mode       | Band       | Antenna | ENDC Antenna |                                        |                                        |       |       |                           |                                        |       |       |
|------------|------------|---------|--------------|----------------------------------------|----------------------------------------|-------|-------|---------------------------|----------------------------------------|-------|-------|
|            |            |         | Full Power   | Receiver on                            | Receiver off                           |       |       |                           |                                        |       |       |
|            |            |         |              | Head                                   | Body-Worn                              |       |       | Hotspot                   | Specific                               |       |       |
|            |            |         |              | Standalone & Simultaneous transmission | Standalone & Simultaneous transmission |       |       | Simultaneous transmission | Standalone & Simultaneous transmission |       |       |
|            |            |         | Off          | DSI1                                   | DSI2                                   | DSI3  | DSI4  | DSI5                      | DSI2                                   | DSI3  | DSI4  |
| DC_7A+n5A  | n5         | Ant.0   | 25.50        | 25.50                                  | 25.50                                  | 25.50 | 25.50 | 25.50                     | 25.50                                  | 25.50 | 25.50 |
|            | n5         | Ant.1   | 26.00        | 22.00                                  | 23.00                                  | 23.00 | 23.00 | 22.00                     | 23.00                                  | 23.00 | 23.00 |
|            | LTE Band7  | Ant.2   | 25.50        | 14.50                                  | 23.50                                  | 16.50 | 23.50 | 14.50                     | 23.50                                  | 16.50 | 23.50 |
|            | LTE Band7  | Ant.3   | 25.00        | 25.00                                  | 19.00                                  | 19.00 | 25.00 | 19.00                     | 19.00                                  | 19.00 | 25.00 |
|            | LTE Band7  | Ant.4   | 24.00        | 14.00                                  | 18.00                                  | 18.00 | 18.00 | 14.00                     | 18.00                                  | 18.00 | 18.00 |
|            | LTE Band7  | Ant.5   | 21.00        | 18.00                                  | 16.00                                  | 16.00 | 16.00 | 16.00                     | 16.00                                  | 16.00 | 16.00 |
| DC_4A+n7A  | n7         | Ant.2   | 25.50        | 15.50                                  | 24.50                                  | 17.50 | 24.50 | 15.50                     | 24.50                                  | 17.50 | 24.50 |
|            | n7         | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | n7         | Ant.4   | 23.50        | 14.50                                  | 18.50                                  | 18.50 | 18.50 | 14.50                     | 18.50                                  | 18.50 | 18.50 |
|            | n7         | Ant.5   | 21.50        | 19.00                                  | 21.50                                  | 21.50 | 21.50 | 19.00                     | 21.50                                  | 21.50 | 21.50 |
|            | LTE Band4  | Ant.2   | 25.50        | 14.00                                  | 24.50                                  | 17.50 | 24.50 | 14.00                     | 24.50                                  | 17.50 | 24.50 |
|            | LTE Band4  | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | LTE Band4  | Ant.4   | 26.00        | 15.50                                  | 20.00                                  | 20.00 | 20.00 | 15.50                     | 20.00                                  | 20.00 | 20.00 |
|            | LTE Band4  | Ant.5   | 24.00        | 24.00                                  | 24.00                                  | 24.00 | 24.00 | 24.00                     | 24.00                                  | 24.00 | 24.00 |
| DC_5A+n7A  | n7         | Ant.2   | 25.50        | 15.50                                  | 24.50                                  | 17.50 | 24.50 | 15.50                     | 24.50                                  | 17.50 | 24.50 |
|            | n7         | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | n7         | Ant.4   | 23.50        | 14.50                                  | 18.50                                  | 18.50 | 18.50 | 14.50                     | 18.50                                  | 18.50 | 18.50 |
|            | n7         | Ant.5   | 21.50        | 19.00                                  | 21.50                                  | 21.50 | 21.50 | 19.00                     | 21.50                                  | 21.50 | 21.50 |
|            | LTE Band5  | Ant.0   | 25.50        | 25.50                                  | 24.50                                  | 24.50 | 25.50 | 24.50                     | 24.50                                  | 24.50 | 25.50 |
|            | LTE Band5  | Ant.1   | 25.50        | 20.50                                  | 23.50                                  | 23.50 | 23.50 | 20.50                     | 23.50                                  | 23.50 | 23.50 |
| DC_66A+n7A | n7         | Ant.2   | 25.50        | 15.50                                  | 24.50                                  | 17.50 | 24.50 | 15.50                     | 24.50                                  | 17.50 | 24.50 |
|            | n7         | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | n7         | Ant.4   | 23.50        | 14.50                                  | 18.50                                  | 18.50 | 18.50 | 14.50                     | 18.50                                  | 18.50 | 18.50 |
|            | n7         | Ant.5   | 21.50        | 19.00                                  | 21.50                                  | 21.50 | 21.50 | 19.00                     | 21.50                                  | 21.50 | 21.50 |
|            | LTE Band66 | Ant.2   | 25.50        | 14.00                                  | 24.50                                  | 17.50 | 24.50 | 14.00                     | 24.50                                  | 17.50 | 24.50 |
|            | LTE Band66 | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | LTE Band66 | Ant.4   | 26.00        | 15.50                                  | 20.00                                  | 20.00 | 20.00 | 15.50                     | 20.00                                  | 20.00 | 20.00 |
|            | LTE Band66 | Ant.5   | 24.00        | 24.00                                  | 24.00                                  | 24.00 | 24.00 | 24.00                     | 24.00                                  | 24.00 | 24.00 |
| DC_2A+n66A | n66        | Ant.2   | 25.50        | 15.50                                  | 25.50                                  | 17.50 | 25.50 | 15.50                     | 25.50                                  | 17.50 | 25.50 |
|            | n66        | Ant.3   | 25.50        | 25.50                                  | 19.50                                  | 19.50 | 25.50 | 19.50                     | 19.50                                  | 19.50 | 25.50 |
|            | n66        | Ant.4   | 24.50        | 16.50                                  | 21.50                                  | 21.50 | 21.50 | 16.50                     | 21.50                                  | 21.50 | 21.50 |
|            | n66        | Ant.5   | 23.00        | 23.00                                  | 23.00                                  | 23.00 | 23.00 | 23.00                     | 23.00                                  | 23.00 | 23.00 |
|            | LTE Band2  | Ant.2   | 23.50        | 15.50                                  | 23.50                                  | 16.50 | 23.50 | 15.50                     | 23.50                                  | 16.50 | 23.50 |
|            | LTE Band2  | Ant.3   | 23.00        | 23.00                                  | 20.00                                  | 20.00 | 23.00 | 20.00                     | 20.00                                  | 20.00 | 23.00 |
|            | LTE Band2  | Ant.4   | 24.50        | 18.50                                  | 23.50                                  | 23.50 | 23.50 | 18.50                     | 23.50                                  | 23.50 | 23.50 |

|             |            |       |       |       |       |       |       |       |       |       |       |
|-------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | LTE Band2  | Ant.5 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| DC_5A+n66A  | n66        | Ant.2 | 25.50 | 15.50 | 25.50 | 17.50 | 25.50 | 15.50 | 25.50 | 17.50 | 25.50 |
|             | n66        | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | n66        | Ant.4 | 24.50 | 16.50 | 21.50 | 21.50 | 21.50 | 16.50 | 21.50 | 21.50 | 21.50 |
|             | n66        | Ant.5 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 |
|             | LTE Band5  | Ant.0 | 25.50 | 25.50 | 24.50 | 24.50 | 25.50 | 24.50 | 24.50 | 24.50 | 25.50 |
|             | LTE Band5  | Ant.1 | 25.50 | 20.50 | 23.50 | 23.50 | 23.50 | 20.50 | 23.50 | 23.50 | 23.50 |
| DC_7A+n66A  | n66        | Ant.2 | 25.50 | 15.50 | 25.50 | 17.50 | 25.50 | 15.50 | 25.50 | 17.50 | 25.50 |
|             | n66        | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | n66        | Ant.4 | 24.50 | 16.50 | 21.50 | 21.50 | 21.50 | 16.50 | 21.50 | 21.50 | 21.50 |
|             | n66        | Ant.5 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 |
|             | LTE Band7  | Ant.2 | 25.50 | 14.50 | 23.50 | 16.50 | 23.50 | 14.50 | 23.50 | 16.50 | 23.50 |
|             | LTE Band7  | Ant.3 | 25.00 | 25.00 | 19.00 | 19.00 | 25.00 | 19.00 | 19.00 | 19.00 | 25.00 |
|             | LTE Band7  | Ant.4 | 24.00 | 14.00 | 18.00 | 18.00 | 18.00 | 14.00 | 18.00 | 18.00 | 18.00 |
|             | LTE Band7  | Ant.5 | 21.00 | 18.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 |
| DC_4A+n38A  | n38        | Ant.2 | 25.00 | 15.00 | 23.00 | 17.00 | 23.00 | 15.00 | 23.00 | 17.00 | 23.00 |
|             | n38        | Ant.3 | 24.50 | 24.50 | 19.50 | 19.50 | 24.50 | 19.50 | 19.50 | 19.50 | 24.50 |
|             | n38        | Ant.4 | 24.00 | 15.50 | 19.50 | 19.50 | 19.50 | 15.50 | 19.50 | 19.50 | 19.50 |
|             | n38        | Ant.5 | 21.00 | 18.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 |
|             | LTE Band4  | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band4  | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band4  | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band4  | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_66A+n38A | n38        | Ant.2 | 25.00 | 15.00 | 23.00 | 17.00 | 23.00 | 15.00 | 23.00 | 17.00 | 23.00 |
|             | n38        | Ant.3 | 24.50 | 24.50 | 19.50 | 19.50 | 24.50 | 19.50 | 19.50 | 19.50 | 24.50 |
|             | n38        | Ant.4 | 24.00 | 15.50 | 19.50 | 19.50 | 19.50 | 15.50 | 19.50 | 19.50 | 19.50 |
|             | n38        | Ant.5 | 21.00 | 18.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 |
|             | LTE Band66 | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band66 | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band66 | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band66 | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_4A+n41A  | n41        | Ant.2 | 25.50 | 15.00 | 23.50 | 17.50 | 23.50 | 15.00 | 23.50 | 17.50 | 23.50 |
|             | n41        | Ant.3 | 24.50 | 24.50 | 19.50 | 19.50 | 24.50 | 19.50 | 19.50 | 19.50 | 24.50 |
|             | n41        | Ant.4 | 24.50 | 14.50 | 20.50 | 20.50 | 20.50 | 14.50 | 20.50 | 20.50 | 20.50 |
|             | n41        | Ant.5 | 21.00 | 18.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 |
|             | LTE Band4  | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band4  | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band4  | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band4  | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_66A+n41A | n41        | Ant.2 | 25.50 | 15.00 | 23.50 | 17.50 | 23.50 | 15.00 | 23.50 | 17.50 | 23.50 |
|             | n41        | Ant.3 | 24.50 | 24.50 | 19.50 | 19.50 | 24.50 | 19.50 | 19.50 | 19.50 | 24.50 |
|             | n41        | Ant.4 | 24.50 | 14.50 | 20.50 | 20.50 | 20.50 | 14.50 | 20.50 | 20.50 | 20.50 |
|             | n41        | Ant.5 | 21.00 | 18.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 |

|             |            |       |       |       |       |       |       |       |       |       |       |
|-------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | LTE Band66 | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band66 | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band66 | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band66 | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_2A+n77A  | n77        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n77        | Ant.7 | 24.50 | 13.50 | 19.50 | 13.50 | 19.50 | 13.50 | 19.50 | 13.50 | 19.50 |
|             | n77        | Ant.8 | 28.00 | 21.50 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n77        | Ant.9 | 24.50 | 18.00 | 20.00 | 20.00 | 20.00 | 18.00 | 20.00 | 20.00 | 20.00 |
|             | LTE Band2  | Ant.2 | 23.50 | 15.50 | 23.50 | 16.50 | 23.50 | 15.50 | 23.50 | 16.50 | 23.50 |
|             | LTE Band2  | Ant.3 | 23.00 | 23.00 | 20.00 | 20.00 | 23.00 | 20.00 | 20.00 | 20.00 | 23.00 |
|             | LTE Band2  | Ant.4 | 24.50 | 18.50 | 23.50 | 23.50 | 23.50 | 18.50 | 23.50 | 23.50 | 23.50 |
|             | LTE Band2  | Ant.5 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| DC_2A+n78A  | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band2  | Ant.2 | 23.50 | 15.50 | 23.50 | 16.50 | 23.50 | 15.50 | 23.50 | 16.50 | 23.50 |
|             | LTE Band2  | Ant.3 | 23.00 | 23.00 | 20.00 | 20.00 | 23.00 | 20.00 | 20.00 | 20.00 | 23.00 |
|             | LTE Band2  | Ant.4 | 24.50 | 18.50 | 23.50 | 23.50 | 23.50 | 18.50 | 23.50 | 23.50 | 23.50 |
|             | LTE Band2  | Ant.5 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| DC_4A+n78A  | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band4  | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band4  | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band4  | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band4  | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_5A+n78A  | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band5  | Ant.0 | 25.50 | 25.50 | 24.50 | 24.50 | 25.50 | 24.50 | 24.50 | 24.50 | 25.50 |
|             | LTE Band5  | Ant.1 | 25.50 | 20.50 | 23.50 | 23.50 | 23.50 | 20.50 | 23.50 | 23.50 | 23.50 |
| DC_7A+n78A  | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band7  | Ant.2 | 25.50 | 14.50 | 23.50 | 16.50 | 23.50 | 14.50 | 23.50 | 16.50 | 23.50 |
|             | LTE Band7  | Ant.3 | 25.00 | 25.00 | 19.00 | 19.00 | 25.00 | 19.00 | 19.00 | 19.00 | 25.00 |
|             | LTE Band7  | Ant.4 | 24.00 | 14.00 | 18.00 | 18.00 | 18.00 | 14.00 | 18.00 | 18.00 | 18.00 |
|             | LTE Band7  | Ant.5 | 21.00 | 18.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 |
| DC_26A+n78A | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |

|             |            |       |       |       |       |       |       |       |       |       |       |
|-------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band26 | Ant.0 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 | 25.50 |
|             | LTE Band26 | Ant.1 | 25.50 | 20.50 | 23.50 | 23.50 | 23.50 | 20.50 | 23.50 | 23.50 | 23.50 |
| DC_66A+n78A | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band66 | Ant.2 | 25.50 | 14.00 | 24.50 | 17.50 | 24.50 | 14.00 | 24.50 | 17.50 | 24.50 |
|             | LTE Band66 | Ant.3 | 25.50 | 25.50 | 19.50 | 19.50 | 25.50 | 19.50 | 19.50 | 19.50 | 25.50 |
|             | LTE Band66 | Ant.4 | 26.00 | 15.50 | 20.00 | 20.00 | 20.00 | 15.50 | 20.00 | 20.00 | 20.00 |
|             | LTE Band66 | Ant.5 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| DC_38A+n78A | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band38 | Ant.2 | 25.50 | 14.50 | 25.50 | 19.50 | 25.50 | 14.50 | 25.50 | 19.50 | 25.50 |
|             | LTE Band38 | Ant.3 | 24.00 | 24.00 | 23.00 | 23.00 | 24.00 | 23.00 | 23.00 | 23.00 | 24.00 |
|             | LTE Band38 | Ant.4 | 24.50 | 15.50 | 21.00 | 21.00 | 21.00 | 15.50 | 21.00 | 21.00 | 21.00 |
|             | LTE Band38 | Ant.5 | 22.00 | 19.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |
| DC_41A+n78A | n78        | Ant.6 | 28.50 | 14.50 | 17.50 | 17.50 | 17.50 | 14.50 | 17.50 | 17.50 | 17.50 |
|             | n78        | Ant.7 | 24.50 | 12.50 | 19.50 | 13.50 | 19.50 | 12.50 | 19.50 | 13.50 | 19.50 |
|             | n78        | Ant.8 | 28.00 | 21.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
|             | n78        | Ant.9 | 24.50 | 16.00 | 18.50 | 18.50 | 18.50 | 16.00 | 18.50 | 18.50 | 18.50 |
|             | LTE Band41 | Ant.2 | 25.00 | 14.00 | 25.00 | 19.00 | 25.00 | 14.00 | 25.00 | 19.00 | 25.00 |
|             | LTE Band41 | Ant.3 | 24.50 | 24.50 | 22.50 | 22.50 | 24.50 | 22.50 | 22.50 | 22.50 | 24.50 |
|             | LTE Band41 | Ant.4 | 24.50 | 15.50 | 21.50 | 21.50 | 21.50 | 15.50 | 21.50 | 21.50 | 21.50 |
|             | LTE Band41 | Ant.5 | 22.00 | 19.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 | 18.00 |

**WLAN Reduced power level table**

| Reduced level | Receiver state         | Transmitting | Antenna                            | Position                                                        |
|---------------|------------------------|--------------|------------------------------------|-----------------------------------------------------------------|
|               |                        | conditions   |                                    |                                                                 |
| Level 1       | On<br>(head scenario)  | Only WLAN    | Ant.7/Ant.9/Ant.11/Ant.15/Ant.MIMO | Head                                                            |
| Level 2       | On<br>(head scenario)  | WWAN+WLAN    | Ant.7/Ant.9/Ant.11/Ant.15/Ant.MIMO | Head                                                            |
| Level 3       | Off<br>(Body scenario) | Only WLAN    | Ant.7/Ant.9/Ant.11/Ant.15/Ant.MIMO | Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge |
| Level 4       | Off<br>(Body scenario) | WWAN+WLAN    | Ant.7/Ant.9/Ant.11/Ant.15/Ant.MIMO | Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge |

**Bluetooth Reduced power level table**

| Reduced level | Receiver state         | Transmitting | Antenna     | Position                                                        |
|---------------|------------------------|--------------|-------------|-----------------------------------------------------------------|
|               |                        | conditions   |             |                                                                 |
| High Power    | On<br>(head scenario)  | BT           | Ant.7/Ant.9 | Head                                                            |
| Low Power1    | On<br>(head scenario)  | BT+WWAN/WLAN | Ant.7/Ant.9 | Head                                                            |
| Low Power2    | On<br>(head scenario)  | BT+WWAN+WLAN | Ant.7/Ant.9 | Head                                                            |
| High Power    | Off<br>(Body scenario) | BT           | Ant.7/Ant.9 | Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge |
| Low Power1    | Off<br>(Body scenario) | BT+WWAN/WLAN | Ant.7/Ant.9 | Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge |
| Low Power2    | Off<br>(Body scenario) | BT+WWAN+WLAN | Ant.7/Ant.9 | Front Side;Back Side; Left Edge;Right Edge;Top Edge;Bottom Edge |

| Mode                  | WLAN Antenna 7&15 |             |                           |              |                           |                           |        |            |                           |
|-----------------------|-------------------|-------------|---------------------------|--------------|---------------------------|---------------------------|--------|------------|---------------------------|
|                       | Full Power        | Receiver on |                           | Receiver off |                           |                           |        |            |                           |
|                       |                   | Head        |                           | Body         |                           | Hotspot                   |        | Specific   |                           |
|                       |                   | Standalone  | Simultaneous transmission | Standalone   | Simultaneous transmission | Simultaneous transmission |        | Standalone | Simultaneous transmission |
|                       | Off               | Level1      | Level2                    | Level3       | Level4                    | Level3                    | Level4 | Level3     | Level4                    |
| 2.4G WLAN 802.11b     | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11g     | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11n20   | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11n40   | 14.50             | 14.50       | 12.00                     | 14.50        | 14.50                     | 12.00                     | 14.50  | 14.50      | 14.50                     |
| 2.4G WLAN 802.11ax20  | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11ax40  | 14.00             | 14.00       | 12.00                     | 14.00        | 14.00                     | 12.00                     | 14.00  | 14.00      | 14.00                     |
| 5.2G WLAN 802.11a     | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11n20   | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11n40   | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ac20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11ac40  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ac80  | 15.50             | 15.00       | 10.50                     | 15.50        | 12.50                     | 10.50                     | 12.50  | 15.50      | 12.50                     |
| 5.2G WLAN 802.11ac160 | 13.50             | 13.50       | 10.50                     | 13.50        | 12.50                     | 10.50                     | 12.50  | 13.50      | 12.50                     |
| 5.2G WLAN 802.11ax20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11ax40  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ax80  | 16.00             | 15.00       | 10.50                     | 16.00        | 12.50                     | 10.50                     | 12.50  | 16.00      | 12.50                     |
| 5.2G WLAN 802.11ax160 | 13.50             | 13.50       | 10.50                     | 13.50        | 12.50                     | 10.50                     | 12.50  | 13.50      | 12.50                     |
| 5.3G WLAN 802.11a     | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.3G WLAN 802.11n20   | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.3G WLAN 802.11n40   | 17.00             | 15.00       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.3G WLAN 802.11ac20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.3G WLAN 802.11ac40  | 17.00             | 15.00       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.3G WLAN 802.11ac80  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | /                         | /      | 16.50      | 12.50                     |
| 5.3G WLAN 802.11ax20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.3G WLAN 802.11ax40  | 17.00             | 15.00       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.3G WLAN 802.11ax80  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | /                         | /      | 16.50      | 12.50                     |
| 5.6G WLAN 802.11a     | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.6G WLAN 802.11n20   | 17.00             | 14.50       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.6G WLAN 802.11n40   | 17.00             | 14.50       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.6G WLAN 802.11ac20  | 17.00             | 14.50       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.6G WLAN 802.11ac40  | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.6G WLAN 802.11ac80  | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.6G WLAN 802.11ac160 | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.6G WLAN 802.11ax20  | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.6G WLAN 802.11ax40  | 17.00             | 14.50       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.6G WLAN 802.11ax80  | 17.50             | 14.50       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |

|                       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5.6G WLAN 802.11ax160 | 14.00 | 14.00 | 10.50 | 14.00 | 12.50 | /     | /     | 14.00 | 12.50 |
| 5.8G WLAN 802.11a     | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11n20   | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11n40   | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11ac20  | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11ac40  | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11ac80  | 18.50 | 15.00 | 11.50 | 18.50 | 13.50 | 11.50 | 13.50 | 18.50 | 13.50 |
| 5.8G WLAN 802.11ax20  | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 5.8G WLAN 802.11ax40  | 17.50 | 15.00 | 11.50 | 17.50 | 13.50 | 11.50 | 13.50 | 17.50 | 13.50 |
| 5.8G WLAN 802.11ax80  | 18.00 | 15.00 | 11.50 | 18.00 | 13.50 | 11.50 | 13.50 | 18.00 | 13.50 |
| 6G WLAN 802.11ax20    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax40    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax80    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax160   | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |

| Mode                  | WLAN Antenna 9&11 |             |                           |              |                           |                           |        |            |                           |
|-----------------------|-------------------|-------------|---------------------------|--------------|---------------------------|---------------------------|--------|------------|---------------------------|
|                       | Full Power        | Receiver on |                           | Receiver off |                           |                           |        |            |                           |
|                       |                   | Head        |                           | Body         |                           | Hotspot                   |        | Specific   |                           |
|                       |                   | Standalone  | Simultaneous transmission | Standalone   | Simultaneous transmission | Simultaneous transmission |        | Standalone | Simultaneous transmission |
|                       | Off               | Level1      | Level2                    | Level3       | Level4                    | Level3                    | Level4 | Level3     | Level4                    |
| 2.4G WLAN 802.11b     | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11g     | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11n20   | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11n40   | 14.50             | 15.50       | 12.00                     | 14.50        | 15.00                     | 12.00                     | 15.00  | 14.50      | 15.00                     |
| 2.4G WLAN 802.11ax20  | 17.50             | 15.50       | 12.00                     | 17.50        | 15.00                     | 12.00                     | 15.00  | 17.50      | 15.00                     |
| 2.4G WLAN 802.11ax40  | 14.00             | 15.50       | 12.00                     | 14.00        | 15.00                     | 12.00                     | 15.00  | 14.00      | 15.00                     |
| 5.2G WLAN 802.11a     | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11n20   | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11n40   | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ac20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11ac40  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ac80  | 14.50             | 14.50       | 10.50                     | 14.50        | 12.50                     | 10.50                     | 12.50  | 14.50      | 12.50                     |
| 5.2G WLAN 802.11ac160 | 12.50             | 12.50       | 10.50                     | 12.50        | 12.50                     | 10.50                     | 12.50  | 12.50      | 12.50                     |
| 5.2G WLAN 802.11ax20  | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | 10.50                     | 12.50  | 17.50      | 12.50                     |
| 5.2G WLAN 802.11ax40  | 16.50             | 15.00       | 10.50                     | 16.50        | 12.50                     | 10.50                     | 12.50  | 16.50      | 12.50                     |
| 5.2G WLAN 802.11ax80  | 15.00             | 15.00       | 10.50                     | 15.00        | 12.50                     | 10.50                     | 12.50  | 15.00      | 12.50                     |
| 5.2G WLAN 802.11ax160 | 12.50             | 12.50       | 10.50                     | 12.50        | 12.50                     | 10.50                     | 12.50  | 12.50      | 12.50                     |
| 5.3G WLAN 802.11a     | 17.50             | 15.00       | 10.50                     | 17.50        | 12.50                     | /                         | /      | 17.50      | 12.50                     |
| 5.3G WLAN 802.11n20   | 17.00             | 15.00       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.3G WLAN 802.11n40   | 16.00             | 15.00       | 10.50                     | 16.00        | 12.50                     | /                         | /      | 16.00      | 12.50                     |
| 5.3G WLAN 802.11ac20  | 17.00             | 15.00       | 10.50                     | 17.00        | 12.50                     | /                         | /      | 17.00      | 12.50                     |
| 5.3G WLAN 802.11ac40  | 16.00             | 15.00       | 10.50                     | 16.00        | 12.50                     | /                         | /      | 16.00      | 12.50                     |

|                       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5.3G WLAN 802.11ac80  | 14.00 | 14.00 | 10.50 | 14.00 | 12.50 | /     | /     | 14.00 | 12.50 |
| 5.3G WLAN 802.11ax20  | 17.00 | 15.00 | 10.50 | 17.00 | 12.50 | /     | /     | 17.00 | 12.50 |
| 5.3G WLAN 802.11ax40  | 16.00 | 15.00 | 10.50 | 16.00 | 12.50 | /     | /     | 16.00 | 12.50 |
| 5.3G WLAN 802.11ax80  | 14.00 | 14.00 | 10.50 | 14.00 | 12.50 | /     | /     | 14.00 | 12.50 |
| 5.6G WLAN 802.11a     | 17.50 | 14.50 | 10.50 | 17.50 | 12.50 | /     | /     | 17.50 | 12.50 |
| 5.6G WLAN 802.11n20   | 17.00 | 14.50 | 10.50 | 17.00 | 12.50 | /     | /     | 17.00 | 12.50 |
| 5.6G WLAN 802.11n40   | 17.00 | 14.50 | 10.50 | 17.00 | 12.50 | /     | /     | 17.00 | 12.50 |
| 5.6G WLAN 802.11ac20  | 17.00 | 14.50 | 10.50 | 17.00 | 12.50 | /     | /     | 17.00 | 12.50 |
| 5.6G WLAN 802.11ac40  | 17.50 | 14.50 | 10.50 | 17.50 | 12.50 | /     | /     | 17.50 | 12.50 |
| 5.6G WLAN 802.11ac80  | 17.50 | 14.50 | 10.50 | 17.50 | 12.50 | /     | /     | 17.50 | 12.50 |
| 5.6G WLAN 802.11ac160 | 15.00 | 14.50 | 10.50 | 15.00 | 12.50 | /     | /     | 15.00 | 12.50 |
| 5.6G WLAN 802.11ax20  | 17.50 | 14.50 | 10.50 | 17.50 | 12.50 | /     | /     | 17.50 | 12.50 |
| 5.6G WLAN 802.11ax40  | 17.00 | 14.50 | 10.50 | 17.00 | 12.50 | /     | /     | 17.00 | 12.50 |
| 5.6G WLAN 802.11ax80  | 17.50 | 14.50 | 10.50 | 17.50 | 12.50 | /     | /     | 17.50 | 12.50 |
| 5.6G WLAN 802.11ax160 | 15.00 | 14.50 | 10.50 | 15.00 | 12.50 | /     | /     | 15.00 | 12.50 |
| 5.8G WLAN 802.11a     | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 5.8G WLAN 802.11n20   | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 5.8G WLAN 802.11n40   | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 5.8G WLAN 802.11ac20  | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 5.8G WLAN 802.11ac40  | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 5.8G WLAN 802.11ac80  | 17.50 | 14.00 | 10.50 | 17.50 | 12.50 | 10.50 | 12.50 | 17.50 | 12.50 |
| 5.8G WLAN 802.11ax20  | 17.50 | 14.00 | 10.50 | 17.50 | 12.50 | 10.50 | 12.50 | 17.50 | 12.50 |
| 5.8G WLAN 802.11ax40  | 16.50 | 14.00 | 10.50 | 16.50 | 12.50 | 10.50 | 12.50 | 16.50 | 12.50 |
| 5.8G WLAN 802.11ax80  | 17.00 | 14.00 | 10.50 | 17.00 | 12.50 | 10.50 | 12.50 | 17.00 | 12.50 |
| 6G WLAN 802.11ax20    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax40    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax80    | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |
| 6G WLAN 802.11ax160   | 9.50  | 9.50  | 9.50  | 9.50  | 9.50  | /     | /     | 9.50  | 9.50  |

| Mode                 | WLAN Antenna MIMO |             |                           |              |                           |                           |        |            |                           |
|----------------------|-------------------|-------------|---------------------------|--------------|---------------------------|---------------------------|--------|------------|---------------------------|
|                      | Full Power        | Receiver on |                           | Receiver off |                           |                           |        |            |                           |
|                      |                   | Head        |                           | Body         |                           | Hotspot                   |        | Specific   |                           |
|                      |                   | Standalone  | Simultaneous transmission | Standalone   | Simultaneous transmission | Simultaneous transmission |        | Standalone | Simultaneous transmission |
|                      | Off               | Level1      | Level2                    | Level3       | Level4                    | Level3                    | Level4 | Level3     | Level4                    |
| 2.4G WLAN 802.11b    | 20.50             | 18.50       | 15.00                     | 20.50        | 18.00                     | 20.50                     | 18.00  | 20.50      | 18.00                     |
| 2.4G WLAN 802.11g    | 20.50             | 18.50       | 15.00                     | 20.50        | 18.00                     | 20.50                     | 18.00  | 20.50      | 18.00                     |
| 2.4G WLAN 802.11n20  | 20.50             | 18.50       | 15.00                     | 20.50        | 18.00                     | 20.50                     | 18.00  | 20.50      | 18.00                     |
| 2.4G WLAN 802.11n40  | 17.50             | 18.00       | 15.00                     | 17.50        | 18.00                     | 17.50                     | 18.00  | 17.50      | 18.00                     |
| 2.4G WLAN 802.11ax20 | 20.50             | 18.50       | 15.00                     | 20.50        | 18.00                     | 20.50                     | 18.00  | 20.50      | 18.00                     |
| 2.4G WLAN 802.11ax40 | 17.00             | 18.00       | 15.00                     | 17.00        | 17.50                     | 17.00                     | 17.50  | 17.00      | 17.50                     |
| 5.2G WLAN 802.11a    | 20.50             | 18.00       | 13.50                     | 20.50        | 15.50                     | 20.50                     | 15.50  | 20.50      | 15.50                     |
| 5.2G WLAN 802.11n20  | 20.50             | 18.00       | 13.50                     | 20.50        | 15.50                     | 20.50                     | 15.50  | 20.50      | 15.50                     |

|                       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5.2G WLAN 802.11n40   | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | 19.50 | 15.50 | 19.50 | 15.50 |
| 5.2G WLAN 802.11ac20  | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | 20.50 | 15.50 | 20.50 | 15.50 |
| 5.2G WLAN 802.11ac40  | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | 19.50 | 15.50 | 19.50 | 15.50 |
| 5.2G WLAN 802.11ac80  | 18.00 | 18.00 | 13.50 | 18.00 | 15.50 | 18.00 | 15.50 | 18.00 | 15.50 |
| 5.2G WLAN 802.11ac160 | 16.00 | 16.00 | 13.50 | 16.00 | 15.50 | 16.00 | 15.50 | 16.00 | 15.50 |
| 5.2G WLAN 802.11ax20  | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | 20.50 | 15.50 | 20.50 | 15.50 |
| 5.2G WLAN 802.11ax40  | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | 19.50 | 15.50 | 19.50 | 15.50 |
| 5.2G WLAN 802.11ax80  | 18.50 | 18.00 | 13.50 | 18.50 | 15.50 | 18.50 | 15.50 | 18.50 | 15.50 |
| 5.2G WLAN 802.11ax160 | 16.00 | 16.00 | 13.50 | 16.00 | 15.50 | 16.00 | 15.50 | 16.00 | 15.50 |
| 5.3G WLAN 802.11a     | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.3G WLAN 802.11n20   | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.3G WLAN 802.11n40   | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | /     | /     | 19.50 | 15.50 |
| 5.3G WLAN 802.11ac20  | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.3G WLAN 802.11ac40  | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | /     | /     | 19.50 | 15.50 |
| 5.3G WLAN 802.11ac80  | 18.50 | 17.50 | 13.50 | 18.50 | 15.50 | /     | /     | 18.50 | 15.50 |
| 5.3G WLAN 802.11ax20  | 20.50 | 18.00 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.3G WLAN 802.11ax40  | 19.50 | 18.00 | 13.50 | 19.50 | 15.50 | /     | /     | 19.50 | 15.50 |
| 5.3G WLAN 802.11ax80  | 18.50 | 17.50 | 13.50 | 18.50 | 15.50 | /     | /     | 18.50 | 15.50 |
| 5.6G WLAN 802.11a     | 20.50 | 17.50 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.6G WLAN 802.11n20   | 20.00 | 17.50 | 13.50 | 20.00 | 15.50 | /     | /     | 20.00 | 15.50 |
| 5.6G WLAN 802.11n40   | 20.00 | 17.50 | 13.50 | 20.00 | 15.50 | /     | /     | 20.00 | 15.50 |
| 5.6G WLAN 802.11ac20  | 20.00 | 17.50 | 13.50 | 20.00 | 15.50 | /     | /     | 20.00 | 15.50 |
| 5.6G WLAN 802.11ac40  | 20.50 | 17.50 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.6G WLAN 802.11ac80  | 20.50 | 17.50 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.6G WLAN 802.11ac160 | 18.00 | 17.50 | 13.50 | 18.00 | 15.50 | /     | /     | 18.00 | 15.50 |
| 5.6G WLAN 802.11ax20  | 20.50 | 17.50 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.6G WLAN 802.11ax40  | 20.00 | 17.50 | 13.50 | 20.00 | 15.50 | /     | /     | 20.00 | 15.50 |
| 5.6G WLAN 802.11ax80  | 20.50 | 17.50 | 13.50 | 20.50 | 15.50 | /     | /     | 20.50 | 15.50 |
| 5.6G WLAN 802.11ax160 | 17.50 | 17.50 | 13.50 | 17.50 | 15.50 | /     | /     | 17.50 | 15.50 |
| 5.8G WLAN 802.11a     | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11n20   | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11n40   | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11ac20  | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11ac40  | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11ac80  | 21.00 | 17.50 | 14.00 | 21.00 | 16.00 | 21.00 | 16.00 | 21.00 | 16.00 |
| 5.8G WLAN 802.11ax20  | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 5.8G WLAN 802.11ax40  | 20.00 | 17.50 | 14.00 | 20.00 | 16.00 | 20.00 | 16.00 | 20.00 | 16.00 |
| 5.8G WLAN 802.11ax80  | 20.50 | 17.50 | 14.00 | 20.50 | 16.00 | 20.50 | 16.00 | 20.50 | 16.00 |
| 6G WLAN 802.11ax20    | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | /     | /     | 12.50 | 12.50 |
| 6G WLAN 802.11ax40    | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | /     | /     | 12.50 | 12.50 |
| 6G WLAN 802.11ax80    | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | /     | /     | 12.50 | 12.50 |
| 6G WLAN 802.11ax160   | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | /     | /     | 12.50 | 12.50 |

| Mode      | Bluetooth Antenna 7 |             |                           |                  |              |                           |                  |                           |                  |            |                           |                  |            |
|-----------|---------------------|-------------|---------------------------|------------------|--------------|---------------------------|------------------|---------------------------|------------------|------------|---------------------------|------------------|------------|
|           | Full Power          | Receiver on |                           |                  | Receiver off |                           |                  |                           |                  |            |                           |                  |            |
|           |                     | Head        |                           |                  | Body-Worn    |                           |                  | Hotspot                   |                  | Specific   |                           |                  |            |
|           |                     | Standalone  | Simultaneous transmission |                  | Standalone   | Simultaneous transmission |                  | Simultaneous transmission |                  | Standalone | Simultaneous transmission |                  |            |
|           |                     | BT          | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT           | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT         | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN |            |
|           |                     | Off         | High Power                | Low Power1       | Low Power2   | High Power                | Low Power1       | Low Power2                | Low Power1       | Low Power2 | High Power                | Low Power1       | Low Power2 |
| Bluetooth | 19.00               | 19.00       | 13.00                     | 9.00             | 19.00        | 13.00                     | 9.00             | 13.00                     | 9.00             | 19.00      | 13.00                     | 9.00             |            |

| Mode | Bluetooth Antenna 9 |             |                           |                  |              |                           |                  |                           |                  |            |                           |                  |            |
|------|---------------------|-------------|---------------------------|------------------|--------------|---------------------------|------------------|---------------------------|------------------|------------|---------------------------|------------------|------------|
|      | Full<br>Power       | Receiver on |                           |                  | Receiver off |                           |                  |                           |                  |            |                           |                  |            |
|      |                     | Head        |                           |                  | Body-Worn    |                           |                  | Hotspot                   |                  | Specific   |                           |                  |            |
|      |                     | Standalone  | Simultaneous transmission |                  | Standalone   | Simultaneous transmission |                  | Simultaneous transmission |                  | Standalone | Simultaneous transmission |                  |            |
|      |                     | BT          | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT           | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN | BT         | BT+<br>WLAN/WWAN          | BT+<br>WWAN+WLAN |            |
|      |                     | Off         | High Power                | Low Power1       | Low Power2   | High Power                | Low Power1       | Low Power2                | Low Power1       | Low Power2 | High Power                | Low Power1       | Low Power2 |
|      | Bluetooth           | 18.00       | 18.00                     | 14.00            | 10.00        | 18.00                     | 14.00            | 10.00                     | 14.00            | 10.00      | 18.00                     | 14.00            | 10.00      |

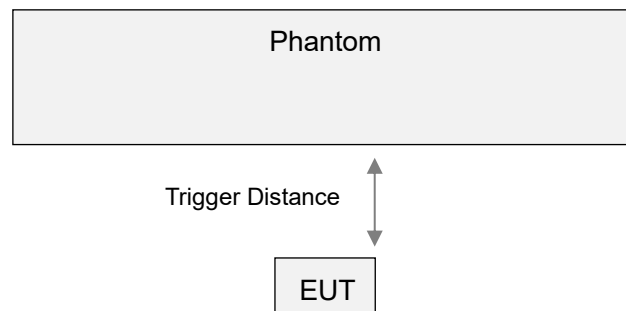
## 9 PROXIMITY SENSOR TRIGGERING TEST

### 9.1 Procedures for determining proximity sensor distance

The device uses one proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

#### 9.1.1 proximity sensor(CS0)

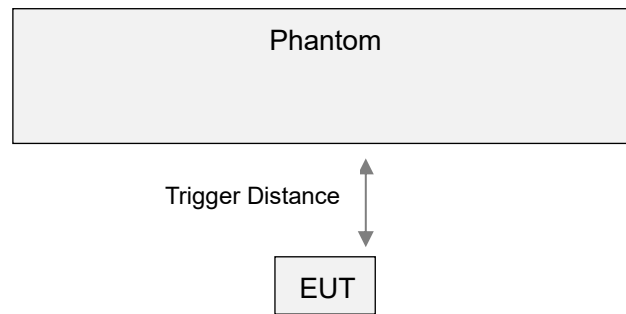


EUT moving toward Phantom

| Distance in mm | 1~5 | 6  | 7  | 8  | 9  | 10 | 11~15 | 16 | 17  | 18  | 19~25 |
|----------------|-----|----|----|----|----|----|-------|----|-----|-----|-------|
| Front Side     | On  | On | On | On | On | On | On    | On | Off | Off | Off   |
| Back Side      | On  | On | On | On | On | On | On    | On | Off | Off | Off   |
| Left Edge      | On  | On | On | On | On | On | On    | On | Off | Off | Off   |
| Bottom Edge    | On  | On | On | On | On | On | On    | On | Off | Off | Off   |

Note: Power reduction is only applicable for ANT0/3.

## 9.1.2 proximity sensor(CS6)



EUT moving toward Phantom

| Distance in mm | 1~5 | 6  | 7   | 8   | 9   | 10  | 11~15 | 16  | 17  | 18  | 19~25 |
|----------------|-----|----|-----|-----|-----|-----|-------|-----|-----|-----|-------|
| Front Side     | On  | On | Off | Off | Off | Off | Off   | Off | Off | Off | Off   |
| Back Side      | On  | On | Off | Off | Off | Off | Off   | Off | Off | Off | Off   |
| Top Edge       | On  | On | Off | Off | Off | Off | Off   | Off | Off | Off | Off   |

Note: Power reduction is only applicable for ANT2/7.

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for EUT moving toward the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

ANT0/3 of proximity sensor(CS0)

| EUT Sides   | Additional SAR test Distance in mm |
|-------------|------------------------------------|
| Front Side  | 15                                 |
| Back Side   | 15                                 |
| Left Edge   | 15                                 |
| Bottom Edge | 15                                 |

ANT2/7 of proximity sensor(CS6)

| EUT Sides  | Additional SAR test Distance in mm |
|------------|------------------------------------|
| Front Side | 5                                  |
| Back Side  | 5                                  |
| Top Edge   | 5                                  |

## 9.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor(CS0) triggering was determined by positioning each EUT edge that contains a transmitting antenna 0 and antenna 3, perpendicular to the flat phantom, at 16 mm separation for the left edge and 16 mm separation for the bottom edge.

The influence of EUT tilt angles to proximity sensor(CS6) triggering was determined by positioning each EUT edge that contains transmitting antenna 2 and antenna 7, perpendicular to the flat phantom, at 6 mm separation for the top edge.

Rotating the EUT around the edge next to the phantom in  $\leq 10^\circ$  increments until the EUT is  $\pm 45^\circ$  from the vertical position at  $0^\circ$ , and the maximum output power remains in the reduced mode.

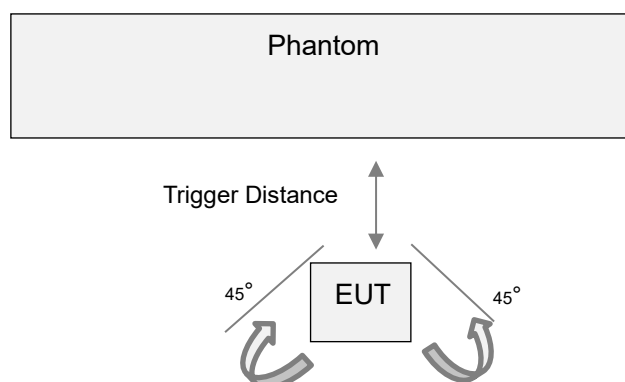


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Top/Bottom edge)

| Antenna | Position    | Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$ | Power Reduction Status |      |      |      |     |    |    |     |     |     |     |
|---------|-------------|--------------------------------------------------------------------------------------|------------------------|------|------|------|-----|----|----|-----|-----|-----|-----|
|         |             |                                                                                      | -45°                   | -35° | -25° | -15° | -5° | 0° | 5° | 15° | 25° | 35° | 45° |
| ANT0/3  | Left Edge   | 16mm                                                                                 | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |
| ANT0/3  | Bottom Edge | 16mm                                                                                 | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |
| ANT2/7  | Top Edge    | 6mm                                                                                  | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |

## 10 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2470686-AI EUT internal photo.pdf”.

| Antenna | Front Side(mm) | Back Side(mm) | Left Edge(mm) | Right Edge(mm) | Top Edge(mm) | Bottom Edge(mm) |
|---------|----------------|---------------|---------------|----------------|--------------|-----------------|
| Ant.0   | <25            | <25           | <25           | >25            | >25          | <25             |
| Ant.1   | <25            | <25           | <25           | >25            | <25          | >25             |
| Ant.2   | <25            | <25           | <25           | >25            | <25          | >25             |
| Ant.3   | <25            | <25           | >25           | <25            | >25          | <25             |
| Ant.4   | <25            | <25           | <25           | >25            | <25          | >25             |
| Ant.5   | <25            | <25           | >25           | <25            | >25          | >25             |
| Ant.6   | <25            | <25           | <25           | >25            | <25          | >25             |
| Ant.7   | <25            | <25           | >25           | <25            | <25          | >25             |
| Ant.8   | <25            | <25           | <25           | >25            | <25          | >25             |
| Ant.9   | <25            | <25           | >25           | <25            | <25          | >25             |
| Ant.11  | <25            | <25           | >25           | <25            | <25          | >25             |
| Ant.15  | <25            | <25           | >25           | <25            | <25          | >25             |

Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm \*5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

11 TEST RESULT

11.1 GSM 850

| Antenna                                                                        | Power Reduction | Mode        | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-------------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head                                                                           |                 |             |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI1            | DATA 2slots | Left Cheek  | 0          | 128 | 824.2       | 0.17             | 0.724               | 29.36             | 30.50                 | 1.300          | 0.941                 | 1#        |
|                                                                                | DSI1            |             | Left Tilt   | 0          | 128 | 824.2       | -0.01            | 0.075               | 29.36             | 30.50                 | 1.300          | 0.098                 | /         |
|                                                                                | DSI1            |             | Right Cheek | 0          | 128 | 824.2       | 0.07             | 0.377               | 29.36             | 30.50                 | 1.300          | 0.490                 | /         |
|                                                                                | DSI1            |             | Right Tilt  | 0          | 128 | 824.2       | -0.08            | 0.065               | 29.36             | 30.50                 | 1.300          | 0.085                 | /         |
|                                                                                | DSI1            |             | Left Cheek  | 0          | 190 | 836.6       | 0.02             | 0.626               | 29.11             | 30.50                 | 1.377          | 0.862                 | /         |
|                                                                                | DSI1            |             | Left Cheek  | 0          | 251 | 848.8       | 0.09             | 0.702               | 29.33             | 30.50                 | 1.309          | 0.919                 | /         |
| Ant.0                                                                          | DSI1            | DATA 2slots | Left Cheek  | 0          | 128 | 824.2       | 0.09             | 0.166               | 29.35             | 31.00                 | 1.462          | 0.243                 | /         |
|                                                                                | DSI1            |             | Left Tilt   | 0          | 128 | 824.2       | 0.09             | 0.077               | 29.35             | 31.00                 | 1.462          | 0.113                 | /         |
|                                                                                | DSI1            |             | Right Cheek | 0          | 128 | 824.2       | 0.08             | 0.116               | 29.35             | 31.00                 | 1.462          | 0.170                 | /         |
|                                                                                | DSI1            |             | Right Tilt  | 0          | 128 | 824.2       | -0.10            | 0.061               | 29.35             | 31.00                 | 1.462          | 0.089                 | /         |
| Body-worn                                                                      |                 |             |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI2            | DATA        | Front Side  | 15         | 128 | 824.2       | 0.04             | 0.121               | 29.36             | 30.50                 | 1.300          | 0.157                 | /         |
|                                                                                | DSI2            | 2slots      | Back Side   | 15         | 128 | 824.2       | -0.04            | 0.180               | 29.36             | 30.50                 | 1.300          | 0.234                 | 2#        |
| Ant.0                                                                          | DSI2            | DATA        | Front Side  | 15         | 128 | 824.2       | 0.07             | 0.110               | 29.35             | 31.00                 | 1.462          | 0.161                 | /         |
|                                                                                | DSI2            | 2slots      | Back Side   | 15         | 128 | 824.2       | -0.04            | 0.132               | 29.35             | 31.00                 | 1.462          | 0.193                 | /         |
| Hotspot                                                                        |                 |             |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI5            | DATA 2slots | Front Side  | 10         | 128 | 824.2       | 0.05             | 0.196               | 29.36             | 30.50                 | 1.300          | 0.255                 | /         |
|                                                                                | DSI5            |             | Back Side   | 10         | 128 | 824.2       | -0.02            | 0.210               | 29.36             | 30.50                 | 1.300          | 0.273                 | /         |
|                                                                                | DSI5            |             | Left Edge   | 10         | 128 | 824.2       | -0.12            | 0.255               | 29.36             | 30.50                 | 1.300          | 0.332                 | 3#        |
|                                                                                | DSI5            |             | Top Edge    | 10         | 128 | 824.2       | -0.11            | 0.005               | 29.36             | 30.50                 | 1.300          | 0.007                 | /         |
| Ant.0                                                                          | DSI5            | DATA 2slots | Front Side  | 10         | 128 | 824.2       | 0.04             | 0.186               | 29.35             | 31.00                 | 1.462          | 0.272                 | /         |
|                                                                                | DSI5            |             | Back Side   | 10         | 128 | 824.2       | 0.01             | 0.224               | 29.35             | 31.00                 | 1.462          | 0.327                 | /         |
|                                                                                | DSI5            |             | Left Edge   | 10         | 128 | 824.2       | 0.15             | 0.118               | 29.35             | 31.00                 | 1.462          | 0.173                 | /         |
|                                                                                | DSI5            |             | Right Edge  | 10         | 128 | 824.2       | 0.15             | 0.074               | 29.35             | 31.00                 | 1.462          | 0.108                 | /         |
|                                                                                | DSI5            |             | Bottom Edge | 10         | 128 | 824.2       | 0.12             | 0.148               | 29.35             | 31.00                 | 1.462          | 0.216                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |             |            |     |             |                  |                     |                   |                       |                |                       |           |

## 11.2 GSM 1900

| Antenna                                                                        | Power Reduction | Mode           | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|----------------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head                                                                           |                 |                |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | DATA<br>2slots | Left Cheek  | 0          | 661 | 1880        | 0.15             | 0.385               | 24.10             | 25.50                 | 1.380          | 0.531                 | /         |
|                                                                                | DSI1            |                | Left Tilt   | 0          | 661 | 1880        | -0.11            | 0.396               | 24.10             | 25.50                 | 1.380          | 0.546                 | /         |
|                                                                                | DSI1            |                | Right Cheek | 0          | 661 | 1880        | -0.13            | 0.649               | 24.10             | 25.50                 | 1.380          | <b>0.896</b>          | 4#        |
|                                                                                | DSI1            |                | Right Tilt  | 0          | 661 | 1880        | -0.08            | 0.562               | 24.10             | 25.50                 | 1.380          | 0.776                 | /         |
|                                                                                | DSI1            |                | Left Tilt   | 0          | 512 | 1850.2      | -0.02            | 0.515               | 23.96             | 25.50                 | 1.426          | 0.734                 | /         |
|                                                                                | DSI1            |                | Left Tilt   | 0          | 810 | 1909.8      | 0.14             | 0.498               | 24.08             | 25.50                 | 1.387          | 0.691                 | /         |
| Ant.3                                                                          | DSI1            | DATA<br>2slots | Left Cheek  | 0          | 810 | 1909.8      | -0.10            | 0.045               | 25.81             | 27.00                 | 1.315          | 0.059                 | /         |
|                                                                                | DSI1            |                | Left Tilt   | 0          | 810 | 1909.8      | 0.11             | 0.038               | 25.81             | 27.00                 | 1.315          | 0.050                 | /         |
|                                                                                | DSI1            |                | Right Cheek | 0          | 810 | 1909.8      | -0.03            | 0.035               | 25.81             | 27.00                 | 1.315          | 0.046                 | /         |
|                                                                                | DSI1            |                | Right Tilt  | 0          | 810 | 1909.8      | -0.02            | 0.028               | 25.81             | 27.00                 | 1.315          | 0.037                 | /         |
| Body-worn                                                                      |                 |                |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | DATA           | Front Side  | 15         | 661 | 1880        | -0.08            | 0.105               | 25.94             | 27.50                 | 1.432          | 0.150                 | /         |
|                                                                                | DSI2            | 2slots         | Back Side   | 15         | 661 | 1880        | -0.01            | 0.141               | 25.94             | 27.50                 | 1.432          | <b>0.202</b>          | 5#        |
| Ant.3                                                                          | DSI2            | DATA           | Front Side  | 15         | 810 | 1909.8      | 0.04             | 0.058               | 25.81             | 27.00                 | 1.315          | 0.076                 | /         |
|                                                                                | DSI2            | 2slots         | Back Side   | 15         | 810 | 1909.8      | 0.01             | 0.085               | 25.81             | 27.00                 | 1.315          | 0.112                 | /         |
| Hotspot                                                                        |                 |                |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI5            | DATA<br>2slots | Front Side  | 10         | 661 | 1880        | -0.08            | 0.190               | 24.10             | 25.50                 | 1.380          | 0.262                 | /         |
|                                                                                | DSI5            |                | Back Side   | 10         | 661 | 1880        | 0.01             | 0.288               | 24.10             | 25.50                 | 1.380          | 0.397                 | /         |
|                                                                                | DSI5            |                | Left Edge   | 10         | 661 | 1880        | 0.10             | 0.104               | 24.10             | 25.50                 | 1.380          | 0.144                 | /         |
|                                                                                | DSI5            |                | Right Edge  | 10         | 661 | 1880        | -0.04            | 0.040               | 24.10             | 25.50                 | 1.380          | 0.055                 | /         |
|                                                                                | DSI5            |                | Top Edge    | 10         | 661 | 1880        | -0.04            | 0.372               | 24.10             | 25.50                 | 1.380          | <b>0.513</b>          | 6#        |
| Ant.3                                                                          | DSI5            | DATA<br>2slots | Front Side  | 10         | 810 | 1909.8      | 0.06             | 0.120               | 25.43             | 26.50                 | 1.279          | 0.153                 | /         |
|                                                                                | DSI5            |                | Back Side   | 10         | 810 | 1909.8      | -0.10            | 0.208               | 25.43             | 26.50                 | 1.279          | 0.266                 | /         |
|                                                                                | DSI5            |                | Right Edge  | 10         | 810 | 1909.8      | 0.01             | 0.043               | 25.43             | 26.50                 | 1.279          | 0.055                 | /         |
|                                                                                | DSI5            |                | Bottom Edge | 10         | 810 | 1909.8      | 0.12             | 0.348               | 25.43             | 26.50                 | 1.279          | 0.445                 | /         |
| Sensor(N-1)                                                                    |                 |                |             |            |     |             |                  |                     |                   |                       |                |                       |           |
| Ant.3                                                                          | Off             | DATA<br>2slots | Front Side  | 15         | 810 | 1909.8      | 0.06             | 0.043               | 25.81             | 27.00                 | 1.315          | 0.057                 | /         |
|                                                                                | Off             |                | Back Side   | 15         | 810 | 1909.8      | -0.11            | 0.062               | 25.81             | 27.00                 | 1.315          | 0.082                 | /         |
|                                                                                | Off             |                | Left Edge   | 15         | 810 | 1909.8      | 0.06             | 0.002               | 25.81             | 27.00                 | 1.315          | 0.003                 | /         |
|                                                                                | Off             |                | Top Edge    | 15         | 810 | 1909.8      | -0.13            | 0.114               | 25.81             | 27.00                 | 1.315          | 0.150                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                |             |            |     |             |                  |                     |                   |                       |                |                       |           |

| Antenna                                                                        | Power Reduction | Mode        | Position   | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-------------|------------|------------|-----|-------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Sensor(N-1)                                                                    |                 |             |            |            |     |             |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | Off             | DATA 2slots | Front Side | 5          | 661 | 1880        | -0.11            | 0.238                | 25.94             | 27.50                 | 1.432          | 0.341                  | /         |
|                                                                                | Off             |             | Back Side  | 5          | 661 | 1880        | -0.09            | 0.347                | 25.94             | 27.50                 | 1.432          | 0.497                  | /         |
|                                                                                | Off             |             | Top Edge   | 5          | 661 | 1880        | 0.07             | 0.483                | 25.94             | 27.50                 | 1.432          | 0.692                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |            |            |     |             |                  |                      |                   |                       |                |                        |           |

## 11.3WCDMA Band 2

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head                                                                           |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | RMC  | Left Cheek  | 0          | 9400 | 1880        | -0.10            | 0.338               | 17.39             | 19.00                 | 1.449          | 0.490                 | /         |
|                                                                                | DSI1            |      | Left Tilt   | 0          | 9400 | 1880        | 0.09             | 0.374               | 17.39             | 19.00                 | 1.449          | 0.542                 | /         |
|                                                                                | DSI1            |      | Right Cheek | 0          | 9400 | 1880        | 0.05             | 0.574               | 17.39             | 19.00                 | 1.449          | 0.832                 | /         |
|                                                                                | DSI1            |      | Right Tilt  | 0          | 9400 | 1880        | -0.02            | 0.488               | 17.39             | 19.00                 | 1.449          | 0.707                 | /         |
|                                                                                | DSI1            |      | Right Cheek | 0          | 9262 | 1852.4      | -0.16            | 0.608               | 17.19             | 19.00                 | 1.517          | 0.922                 | 7#        |
|                                                                                | DSI1            |      | Right Cheek | 0          | 9538 | 1907.6      | 0.02             | 0.592               | 17.24             | 19.00                 | 1.500          | 0.888                 | /         |
| Ant.3                                                                          | DSI1            | RMC  | Left Cheek  | 0          | 9262 | 1852.4      | -0.08            | 0.057               | 22.26             | 23.50                 | 1.330          | 0.076                 | /         |
|                                                                                | DSI1            |      | Left Tilt   | 0          | 9262 | 1852.4      | -0.12            | 0.046               | 22.26             | 23.50                 | 1.330          | 0.061                 | /         |
|                                                                                | DSI1            |      | Right Cheek | 0          | 9262 | 1852.4      | 0.01             | 0.049               | 22.26             | 23.50                 | 1.330          | 0.065                 | /         |
|                                                                                | DSI1            |      | Right Tilt  | 0          | 9262 | 1852.4      | 0.00             | 0.038               | 22.26             | 23.50                 | 1.330          | 0.051                 | /         |
| Body-worn                                                                      |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | RMC  | Front Side  | 15         | 9400 | 1880        | -0.11            | 0.134               | 22.40             | 23.50                 | 1.288          | 0.173                 | /         |
|                                                                                | DSI2            |      | Back Side   | 15         | 9400 | 1880        | 0.09             | 0.185               | 22.40             | 23.50                 | 1.288          | 0.238                 | /         |
| Ant.3                                                                          | DSI2            | RMC  | Front Side  | 15         | 9262 | 1852.4      | -0.08            | 0.111               | 21.19             | 22.50                 | 1.352          | 0.150                 | /         |
|                                                                                | DSI2            |      | Back Side   | 15         | 9262 | 1852.4      | -0.08            | 0.180               | 21.19             | 22.50                 | 1.352          | 0.243                 | 8#        |
| Hotspot                                                                        |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI5            | RMC  | Front Side  | 10         | 9400 | 1880        | -0.02            | 0.128               | 17.39             | 19.00                 | 1.449          | 0.185                 | /         |
|                                                                                | DSI5            |      | Back Side   | 10         | 9400 | 1880        | 0.06             | 0.183               | 17.39             | 19.00                 | 1.449          | 0.265                 | /         |
|                                                                                | DSI5            |      | Left Edge   | 10         | 9400 | 1880        | -0.01            | 0.052               | 17.39             | 19.00                 | 1.449          | 0.075                 | /         |
|                                                                                | DSI5            |      | Top Edge    | 10         | 9400 | 1880        | -0.14            | 0.311               | 17.39             | 19.00                 | 1.449          | 0.451                 | /         |
| Ant.3                                                                          | DSI5            | RMC  | Front Side  | 10         | 9262 | 1852.4      | 0.01             | 0.198               | 21.19             | 22.50                 | 1.352          | 0.268                 | /         |
|                                                                                | DSI5            |      | Back Side   | 10         | 9262 | 1852.4      | 0.15             | 0.280               | 21.19             | 22.50                 | 1.352          | 0.379                 | /         |
|                                                                                | DSI5            |      | Right Edge  | 10         | 9262 | 1852.4      | 0.15             | 0.059               | 21.19             | 22.50                 | 1.352          | 0.080                 | /         |
|                                                                                | DSI5            |      | Bottom Edge | 10         | 9262 | 1852.4      | -0.15            | 0.455               | 21.19             | 22.50                 | 1.352          | 0.615                 | 9#        |
| Sensor(N-1)                                                                    |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.3                                                                          | Off             | RMC  | Front Side  | 15         | 9262 | 1852.4      | -0.07            | 0.112               | 22.26             | 23.50                 | 1.330          | 0.149                 | /         |
|                                                                                | Off             |      | Back Side   | 15         | 9262 | 1852.4      | 0.00             | 0.164               | 22.26             | 23.50                 | 1.330          | 0.218                 | /         |
|                                                                                | Off             |      | Left Edge   | 15         | 9262 | 1852.4      | -0.04            | 0.006               | 22.26             | 23.50                 | 1.330          | 0.008                 | /         |
|                                                                                | Off             |      | Bottom Edge | 15         | 9262 | 1852.4      | 0.02             | 0.297               | 22.26             | 23.50                 | 1.330          | 0.395                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|------|-------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |      |             |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | RMC  | Top Edge    | 0          | 9400 | 1880        | 0.02             | 1.910                | 20.30             | 21.50                 | 1.318          | 2.517                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 9262 | 1852.4      | -0.01            | 1.920                | 20.29             | 21.50                 | 1.321          | 2.536                  | 10#       |
|                                                                                | DSI3            |      | Top Edge    | 0          | 9538 | 1907.6      | -0.14            | 1.730                | 20.28             | 21.50                 | 1.324          | 2.291                  | /         |
| Ant.3                                                                          | DSI2            | RMC  | Bottom Edge | 0          | 9262 | 1852.4      | 0.09             | 1.640                | 22.19             | 22.50                 | 1.074          | 1.761                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 9400 | 1880        | -0.04            | 1.630                | 21.18             | 22.50                 | 1.355          | 2.209                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 9538 | 1907.6      | -0.05            | 1.570                | 21.17             | 22.50                 | 1.358          | 2.132                  | /         |
| Sensor(N-1)                                                                    |                 |      |             |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | Off             | RMC  | Front Side  | 5          | 9400 | 1880.0      | 0.10             | 0.512                | 22.40             | 23.50                 | 1.288          | 0.659                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 9400 | 1880.0      | 0.12             | 0.724                | 22.40             | 23.50                 | 1.288          | 0.933                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 9400 | 1880.0      | 0.06             | 1.080                | 22.40             | 23.50                 | 1.288          | 1.391                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |      |             |                  |                      |                   |                       |                |                        |           |

## 11.4WCDMA Band 4

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2     | DSI1            | RMC  | Left Cheek  | 0          | 1412 | 1732.4      | -0.07            | 0.376               | 16.80             | 18.00                 | 1.318          | 0.496                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 1412 | 1732.4      | -0.09            | 0.432               | 16.80             | 18.00                 | 1.318          | 0.569                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 1412 | 1732.4      | 0.09             | 0.634               | 16.80             | 18.00                 | 1.318          | 0.836                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 1412 | 1732.4      | -0.06            | 0.515               | 16.80             | 18.00                 | 1.318          | 0.679                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 1312 | 1712.4      | -0.12            | 0.626               | 16.57             | 18.00                 | 1.390          | 0.870                 | 11#       |
|           | DSI1            |      | Right Cheek | 0          | 1513 | 1752.6      | -0.14            | 0.629               | 16.78             | 18.00                 | 1.324          | 0.833                 | /         |
| Ant.4     | DSI1            | RMC  | Left Cheek  | 0          | 1513 | 1752.6      | -0.08            | 0.151               | 17.73             | 18.50                 | 1.194          | 0.180                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 1513 | 1752.6      | 0.05             | 0.065               | 17.73             | 18.50                 | 1.194          | 0.078                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 1513 | 1752.6      | 0.14             | 0.568               | 17.73             | 18.50                 | 1.194          | 0.678                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 1513 | 1752.6      | -0.14            | 0.173               | 17.73             | 18.50                 | 1.194          | 0.207                 | /         |
| Ant.5     | DSI1            | RMC  | Left Cheek  | 0          | 1412 | 1732.4      | -0.13            | 0.298               | 21.17             | 22.00                 | 1.211          | 0.361                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 1412 | 1732.4      | -0.01            | 0.068               | 21.17             | 22.00                 | 1.211          | 0.082                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 1412 | 1732.4      | 0.13             | 0.149               | 21.17             | 22.00                 | 1.211          | 0.180                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 1412 | 1732.4      | 0.07             | 0.030               | 21.17             | 22.00                 | 1.211          | 0.036                 | /         |
| Ant.3     | DSI1            | RMC  | Left Cheek  | 0          | 1513 | 1752.6      | -0.05            | 0.023               | 23.87             | 25.00                 | 1.297          | 0.030                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 1513 | 1752.6      | 0.12             | 0.082               | 23.87             | 25.00                 | 1.297          | 0.106                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 1513 | 1752.6      | 0.02             | 0.184               | 23.87             | 25.00                 | 1.297          | 0.239                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 1513 | 1752.6      | 0.13             | 0.065               | 23.87             | 25.00                 | 1.297          | 0.084                 | /         |
| Body-worn |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2     | DSI2            | RMC  | Front Side  | 15         | 1412 | 1732.4      | -0.03            | 0.412               | 23.84             | 25.00                 | 1.306          | 0.538                 | /         |
|           | DSI2            |      | Back Side   | 15         | 1412 | 1732.4      | -0.04            | 0.522               | 23.84             | 25.00                 | 1.306          | 0.682                 | 12#       |
| Ant.4     | DSI2            | RMC  | Front Side  | 15         | 1513 | 1752.6      | 0.00             | 0.106               | 20.19             | 21.00                 | 1.205          | 0.128                 | /         |
|           | DSI2            |      | Back Side   | 15         | 1513 | 1752.6      | 0.04             | 0.138               | 20.19             | 21.00                 | 1.205          | 0.166                 | /         |
| Ant.5     | DSI2            | RMC  | Front Side  | 15         | 1412 | 1732.4      | 0.12             | 0.054               | 21.17             | 22.00                 | 1.211          | 0.065                 | /         |
|           | DSI2            |      | Back Side   | 15         | 1412 | 1732.4      | 0.03             | 0.078               | 21.17             | 22.00                 | 1.211          | 0.094                 | /         |
| Ant.3     | DSI2            | RMC  | Front Side  | 15         | 1513 | 1752.6      | 0.00             | 0.263               | 20.43             | 21.50                 | 1.279          | 0.336                 | /         |
|           | DSI2            |      | Back Side   | 15         | 1513 | 1752.6      | 0.03             | 0.385               | 20.43             | 21.50                 | 1.279          | 0.492                 | /         |
| Hotspot   |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.2     | DSI5            | RMC  | Front Side  | 10         | 1412 | 1732.4      | 0.05             | 0.182               | 16.80             | 18.00                 | 1.318          | 0.240                 | /         |
|           | DSI5            |      | Back Side   | 10         | 1412 | 1732.4      | 0.04             | 0.235               | 16.80             | 18.00                 | 1.318          | 0.310                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 1412 | 1732.4      | 0.04             | 0.096               | 16.80             | 18.00                 | 1.318          | 0.127                 | /         |
|           | DSI5            |      | Top Edge    | 10         | 1412 | 1732.4      | 0.13             | 0.273               | 16.80             | 18.00                 | 1.318          | 0.360                 | /         |
| Ant.4     | DSI5            | RMC  | Front Side  | 10         | 1513 | 1752.6      | -0.09            | 0.116               | 17.73             | 18.50                 | 1.194          | 0.139                 | /         |
|           | DSI5            |      | Back Side   | 10         | 1513 | 1752.6      | 0.14             | 0.157               | 17.73             | 18.50                 | 1.194          | 0.187                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 1513 | 1752.6      | 0.07             | 0.208               | 17.73             | 18.50                 | 1.194          | 0.248                 | /         |
|           | DSI5            |      | Top Edge    | 10         | 1513 | 1752.6      | 0.04             | 0.049               | 17.73             | 18.50                 | 1.194          | 0.059                 | /         |

|             |      |     |             |    |      |        |       |       |       |       |       |              |     |
|-------------|------|-----|-------------|----|------|--------|-------|-------|-------|-------|-------|--------------|-----|
| Ant.5       | DSI5 | RMC | Front Side  | 10 | 1412 | 1732.4 | -0.09 | 0.092 | 21.17 | 22.00 | 1.211 | 0.111        | /   |
|             | DSI5 |     | Back Side   | 10 | 1412 | 1732.4 | 0.04  | 0.157 | 21.17 | 22.00 | 1.211 | 0.190        | /   |
|             | DSI5 |     | Right Edge  | 10 | 1412 | 1732.4 | 0.04  | 0.220 | 21.17 | 22.00 | 1.211 | 0.266        | /   |
| Ant.3       | DSI5 | RMC | Front Side  | 10 | 1513 | 1752.6 | -0.03 | 0.233 | 21.50 | 21.50 | 1.000 | 0.233        | /   |
|             | DSI5 |     | Back Side   | 10 | 1513 | 1752.6 | 0.14  | 0.300 | 21.50 | 21.50 | 1.000 | 0.300        | /   |
|             | DSI5 |     | Right Edge  | 10 | 1513 | 1752.6 | -0.13 | 0.070 | 21.50 | 21.50 | 1.000 | 0.070        | /   |
|             | DSI5 |     | Bottom Edge | 10 | 1513 | 1752.6 | -0.13 | 0.478 | 21.50 | 21.50 | 1.000 | <b>0.478</b> | 13# |
| Sensor(N-1) |      |     |             |    |      |        |       |       |       |       |       |              |     |
| Ant.3       | Off  | RMC | Front Side  | 15 | 1513 | 1752.6 | -0.06 | 0.340 | 23.87 | 25.00 | 1.297 | 0.441        | /   |
|             | Off  |     | Back Side   | 15 | 1513 | 1752.6 | -0.10 | 0.462 | 23.87 | 25.00 | 1.297 | 0.599        | /   |
|             | Off  |     | Left Edge   | 15 | 1513 | 1752.6 | -0.03 | 0.073 | 23.87 | 25.00 | 1.297 | 0.095        | /   |
|             | Off  |     | Bottom Edge | 15 | 1513 | 1752.6 | 0.04  | 0.737 | 23.87 | 25.00 | 1.297 | 0.956        | /   |
|             | Off  |     | Bottom Edge | 15 | 1312 | 1712.4 | 0.14  | 0.611 | 23.76 | 25.00 | 1.330 | 0.813        | /   |
|             | Off  |     | Bottom Edge | 15 | 1412 | 1732.4 | 0.15  | 0.685 | 23.79 | 25.00 | 1.321 | 0.905        | /   |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna     | Power Reduction | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|-------------|-----------------|------|-------------|------------|------|-------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific    |                 |      |             |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2       | DSI3            | RMC  | Front Side  | 0          | 1412 | 1732.4      | -0.08            | 1.010                | 19.39             | 20.50                 | 1.291          | 1.304                  | /         |
|             | DSI3            |      | Back Side   | 0          | 1412 | 1732.4      | -0.07            | 0.786                | 19.39             | 20.50                 | 1.291          | 1.015                  | /         |
|             | DSI3            |      | Top Edge    | 0          | 1412 | 1732.4      | -0.09            | 0.990                | 19.39             | 20.50                 | 1.291          | 1.278                  | /         |
| Ant.4       | DSI2            | RMC  | Left Edge   | 0          | 1513 | 1752.6      | -0.09            | 0.985                | 20.19             | 21.00                 | 1.205          | 1.187                  | /         |
| Ant.3       | DSI2            | RMC  | Back Side   | 0          | 1513 | 1752.6      | 0.09             | 1.030                | 20.43             | 21.50                 | 1.279          | 1.317                  | 14#       |
|             | DSI2            |      | Bottom Edge | 0          | 1513 | 1752.6      | 0.06             | 1.010                | 20.43             | 21.50                 | 1.279          | 1.292                  | /         |
| Sensor(N-1) |                 |      |             |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2       | Off             | RMC  | Front Side  | 5          | 1412 | 1732.4      | -0.11            | 1.120                | 23.84             | 25.00                 | 1.306          | 1.463                  | /         |
|             | Off             |      | Back Side   | 5          | 1412 | 1732.4      | 0.10             | 1.510                | 23.84             | 25.00                 | 1.306          | 1.972                  | /         |
|             | Off             |      | Top Edge    | 5          | 1412 | 1732.4      | -0.02            | 1.710                | 23.84             | 25.00                 | 1.306          | 2.233                  | /         |
|             | Off             |      | Top Edge    | 5          | 1312 | 1712.4      | 0.12             | 1.640                | 23.76             | 25.00                 | 1.330          | 2.181                  | /         |
|             | Off             |      | Top Edge    | 5          | 1513 | 1752.6      | -0.10            | 1.670                | 23.83             | 25.00                 | 1.309          | 2.186                  | /         |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.5WCDMA Band 5

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head                                                                           |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI1            | RMC  | Left Cheek  | 0          | 4132 | 826.4       | 0.11             | 0.621               | 22.68             | 24.50                 | 1.521          | 0.945                 | 15#       |
|                                                                                | DSI1            |      | Left Tilt   | 0          | 4132 | 826.4       | -0.01            | 0.069               | 22.68             | 24.50                 | 1.521          | 0.105                 | /         |
|                                                                                | DSI1            |      | Right Cheek | 0          | 4132 | 826.4       | 0.11             | 0.346               | 22.68             | 24.50                 | 1.521          | 0.526                 | /         |
|                                                                                | DSI1            |      | Right Tilt  | 0          | 4132 | 826.4       | -0.07            | 0.060               | 22.68             | 24.50                 | 1.521          | 0.091                 | /         |
|                                                                                | DSI1            |      | Left Cheek  | 0          | 4182 | 836.4       | 0.10             | 0.606               | 22.59             | 24.50                 | 1.552          | 0.941                 | /         |
|                                                                                | DSI1            |      | Left Cheek  | 0          | 4233 | 846.6       | 0.00             | 0.605               | 22.58             | 24.50                 | 1.556          | 0.941                 | /         |
| Ant.0                                                                          | DSI1            | RMC  | Left Cheek  | 0          | 4132 | 826.4       | 0.15             | 0.127               | 24.05             | 25.00                 | 1.245          | 0.158                 | /         |
|                                                                                | DSI1            |      | Left Tilt   | 0          | 4132 | 826.4       | 0.15             | 0.069               | 24.05             | 25.00                 | 1.245          | 0.086                 | /         |
|                                                                                | DSI1            |      | Right Cheek | 0          | 4132 | 826.4       | 0.08             | 0.098               | 24.05             | 25.00                 | 1.245          | 0.122                 | /         |
|                                                                                | DSI1            |      | Right Tilt  | 0          | 4132 | 826.4       | -0.05            | 0.054               | 24.05             | 25.00                 | 1.245          | 0.067                 | /         |
| Body-worn                                                                      |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI2            | RMC  | Front Side  | 15         | 4132 | 826.4       | -0.14            | 0.257               | 23.81             | 25.50                 | 1.476          | 0.379                 | /         |
|                                                                                | DSI2            |      | Back Side   | 15         | 4132 | 826.4       | -0.08            | 0.297               | 23.81             | 25.50                 | 1.476          | 0.438                 | 16#       |
| Ant.0                                                                          | DSI2            | RMC  | Front Side  | 15         | 4132 | 826.4       | -0.13            | 0.154               | 24.05             | 25.00                 | 1.245          | 0.192                 | /         |
|                                                                                | DSI2            |      | Back Side   | 15         | 4132 | 826.4       | 0.03             | 0.183               | 24.05             | 25.00                 | 1.245          | 0.228                 | /         |
| Hotspot                                                                        |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI5            | RMC  | Front Side  | 10         | 4132 | 826.4       | -0.13            | 0.359               | 22.68             | 24.50                 | 1.521          | 0.546                 | /         |
|                                                                                | DSI5            |      | Back Side   | 10         | 4132 | 826.4       | -0.11            | 0.410               | 22.68             | 24.50                 | 1.521          | 0.624                 | /         |
|                                                                                | DSI5            |      | Left Edge   | 10         | 4132 | 826.4       | 0.11             | 0.644               | 22.68             | 24.50                 | 1.521          | 0.980                 | 17#       |
|                                                                                | DSI5            |      | Top Edge    | 10         | 4132 | 826.4       | 0.14             | 0.005               | 22.68             | 24.50                 | 1.521          | 0.008                 | /         |
|                                                                                | DSI5            |      | Left Edge   | 10         | 4182 | 836.4       | 0.06             | 0.619               | 22.59             | 24.50                 | 1.552          | 0.961                 | /         |
|                                                                                | DSI5            |      | Left Edge   | 10         | 4233 | 846.6       | -0.08            | 0.481               | 22.58             | 24.50                 | 1.556          | 0.748                 | /         |
| Ant.0                                                                          | DSI5            | RMC  | Front Side  | 10         | 4132 | 826.4       | 0.11             | 0.286               | 24.05             | 25.00                 | 1.245          | 0.356                 | /         |
|                                                                                | DSI5            |      | Back Side   | 10         | 4132 | 826.4       | 0.12             | 0.432               | 24.05             | 25.00                 | 1.245          | 0.538                 | /         |
|                                                                                | DSI5            |      | Left Edge   | 10         | 4132 | 826.4       | -0.04            | 0.163               | 24.05             | 25.00                 | 1.245          | 0.203                 | /         |
|                                                                                | DSI5            |      | Right Edge  | 10         | 4132 | 826.4       | 0.12             | 0.118               | 24.05             | 25.00                 | 1.245          | 0.147                 | /         |
|                                                                                | DSI5            |      | Bottom Edge | 10         | 4132 | 826.4       | -0.06            | 0.208               | 24.05             | 25.00                 | 1.245          | 0.259                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |      |             |                  |                     |                   |                       |                |                       |           |

| Antenna                                                                        | Power Reduction | Mode | Position  | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-----------|------------|------|-------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |      |           |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.1                                                                          | DSI2            | RMC  | Left Edge | 0          | 4132 | 826.4       | -0.08            | 1.380                | 23.81             | 25.50                 | 1.476          | 2.037                  | 18#       |
|                                                                                | DSI2            | RMC  | Left Edge | 0          | 4182 | 836.4       | 0.04             | 1.060                | 23.65             | 25.50                 | 1.531          | 1.623                  | /         |
|                                                                                | DSI2            | RMC  | Left Edge | 0          | 4233 | 846.6       | -0.02            | 1.240                | 23.56             | 25.50                 | 1.563          | 1.938                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |           |            |      |             |                  |                      |                   |                       |                |                        |           |

## 11.6LTE Band 2 (20MHz Bandwidth)

| Antenna     | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-------------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| <b>Head</b> |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2       | DSI1            | QPSK | Left Cheek  | 0          | 19100 | 1900        | 1       | Mid      | -0.04            | 0.445               | 18.21             | 19.50                 | 1.346          | 0.599                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 19100 | 1900        | 1       | Mid      | 0.05             | 0.546               | 18.21             | 19.50                 | 1.346          | 0.735                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 1       | Mid      | -0.05            | 0.747               | 18.21             | 19.50                 | 1.346          | <b>1.005</b>          | 19#       |
|             | DSI1            |      | Right Tilt  | 0          | 19100 | 1900        | 1       | Mid      | 0.03             | 0.593               | 18.21             | 19.50                 | 1.346          | 0.798                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 19100 | 1900        | 50      | Low      | 0.07             | 0.443               | 18.33             | 19.50                 | 1.309          | 0.580                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 19100 | 1900        | 50      | Low      | 0.05             | 0.509               | 18.33             | 19.50                 | 1.309          | 0.666                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 50      | Low      | -0.10            | 0.742               | 18.33             | 19.50                 | 1.309          | 0.971                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 19100 | 1900        | 50      | Low      | -0.13            | 0.601               | 18.33             | 19.50                 | 1.309          | 0.787                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18700 | 1860        | 1       | Low      | 0.13             | 0.719               | 18.07             | 19.50                 | 1.390          | 0.999                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 1       | Mid      | -0.12            | 0.710               | 18.20             | 19.50                 | 1.349          | 0.958                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18700 | 1860        | 50      | Low      | -0.08            | 0.678               | 18.18             | 19.50                 | 1.355          | 0.919                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 50      | Low      | -0.13            | 0.669               | 18.20             | 19.50                 | 1.349          | 0.902                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 100     | Low      | -0.01            | 0.692               | 18.31             | 19.50                 | 1.315          | 0.910                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 100     | Low      | -0.01            | 0.692               | 18.31             | 19.50                 | 1.315          | 0.910                 | /         |
| Ant.4       | DSI1            | QPSK | Left Cheek  | 0          | 18900 | 1880        | 1       | Mid      | 0.06             | 0.148               | 18.43             | 19.00                 | 1.140          | 0.169                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 18900 | 1880        | 1       | Mid      | 0.04             | 0.064               | 18.43             | 19.00                 | 1.140          | 0.073                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 1       | Mid      | 0.04             | 0.576               | 18.43             | 19.00                 | 1.140          | 0.657                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 18900 | 1880        | 1       | Mid      | -0.01            | 0.151               | 18.43             | 19.00                 | 1.140          | 0.172                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 18900 | 1880        | 50      | Mid      | 0.05             | 0.150               | 18.43             | 19.00                 | 1.140          | 0.171                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 18900 | 1880        | 50      | Mid      | 0.09             | 0.063               | 18.43             | 19.00                 | 1.140          | 0.072                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 50      | Mid      | -0.03            | 0.580               | 18.43             | 19.00                 | 1.140          | 0.661                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 18900 | 1880        | 50      | Mid      | -0.12            | 0.149               | 18.43             | 19.00                 | 1.140          | 0.170                 | /         |
| Ant.5       | DSI1            | QPSK | Left Cheek  | 0          | 18900 | 1880        | 1       | Mid      | -0.10            | 0.235               | 21.06             | 21.50                 | 1.107          | 0.260                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 18900 | 1880        | 1       | Mid      | 0.04             | 0.055               | 21.06             | 21.50                 | 1.107          | 0.061                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 1       | Mid      | -0.09            | 0.119               | 21.06             | 21.50                 | 1.107          | 0.132                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 18900 | 1880        | 1       | Mid      | -0.05            | 0.026               | 21.06             | 21.50                 | 1.107          | 0.029                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 18900 | 1880        | 50      | Mid      | 0.00             | 0.174               | 20.17             | 20.50                 | 1.079          | 0.188                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 18900 | 1880        | 50      | Mid      | -0.11            | 0.046               | 20.17             | 20.50                 | 1.079          | 0.050                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 18900 | 1880        | 50      | Mid      | 0.02             | 0.093               | 20.17             | 20.50                 | 1.079          | 0.100                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 18900 | 1880        | 50      | Mid      | -0.01            | 0.022               | 20.17             | 20.50                 | 1.079          | 0.024                 | /         |
| Ant.3       | DSI1            | QPSK | Left Cheek  | 0          | 19100 | 1900        | 1       | Low      | 0.09             | 0.057               | 21.77             | 23.00                 | 1.327          | 0.076                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 19100 | 1900        | 1       | Low      | -0.05            | 0.028               | 21.77             | 23.00                 | 1.327          | 0.037                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 1       | Low      | -0.10            | 0.043               | 21.77             | 23.00                 | 1.327          | 0.057                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 19100 | 1900        | 1       | Low      | -0.02            | 0.021               | 21.77             | 23.00                 | 1.327          | 0.028                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 19100 | 1900        | 50      | Mid      | 0.07             | 0.046               | 20.82             | 22.00                 | 1.312          | 0.060                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 19100 | 1900        | 50      | Mid      | 0.00             | 0.025               | 20.82             | 22.00                 | 1.312          | 0.033                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 19100 | 1900        | 50      | Mid      | -0.01            | 0.037               | 20.82             | 22.00                 | 1.312          | 0.049                 | /         |

|           |      |      |            |    |       |      |    |     |       |       |       |       |       |       |     |
|-----------|------|------|------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |      | Right Tilt | 0  | 19100 | 1900 | 50 | Mid | 0.07  | 0.019 | 20.82 | 22.00 | 1.312 | 0.025 | /   |
| Body-worn |      |      |            |    |       |      |    |     |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | QPSK | Front Side | 15 | 19100 | 1900 | 1  | Mid | -0.01 | 0.229 | 22.20 | 23.50 | 1.349 | 0.309 | /   |
|           | DSI2 |      | Back Side  | 15 | 19100 | 1900 | 1  | Mid | -0.02 | 0.293 | 22.20 | 23.50 | 1.349 | 0.395 | 20# |
|           | DSI2 |      | Front Side | 15 | 19100 | 1900 | 50 | Low | 0.15  | 0.218 | 21.37 | 22.50 | 1.297 | 0.283 | /   |
|           | DSI2 |      | Back Side  | 15 | 19100 | 1900 | 50 | Low | 0.02  | 0.286 | 21.37 | 22.50 | 1.297 | 0.371 | /   |
| Ant.4     | DSI2 | QPSK | Front Side | 15 | 18900 | 1880 | 1  | Mid | -0.09 | 0.068 | 23.84 | 24.50 | 1.164 | 0.079 | /   |
|           | DSI2 |      | Back Side  | 15 | 18900 | 1880 | 1  | Mid | 0.01  | 0.087 | 23.84 | 24.50 | 1.164 | 0.101 | /   |
|           | DSI2 |      | Front Side | 15 | 19100 | 1900 | 50 | Mid | -0.08 | 0.061 | 22.92 | 23.50 | 1.143 | 0.070 | /   |
|           | DSI2 |      | Back Side  | 15 | 19100 | 1900 | 50 | Mid | -0.09 | 0.076 | 22.92 | 23.50 | 1.143 | 0.087 | /   |
| Ant.5     | DSI2 | QPSK | Front Side | 15 | 18900 | 1880 | 1  | Mid | 0.07  | 0.038 | 21.06 | 21.50 | 1.107 | 0.042 | /   |
|           | DSI2 |      | Back Side  | 15 | 18900 | 1880 | 1  | Mid | 0.10  | 0.058 | 21.06 | 21.50 | 1.107 | 0.064 | /   |
|           | DSI2 |      | Front Side | 15 | 18900 | 1880 | 50 | Mid | 0.13  | 0.031 | 20.17 | 20.50 | 1.079 | 0.033 | /   |
|           | DSI2 |      | Back Side  | 15 | 18900 | 1880 | 50 | Mid | 0.10  | 0.046 | 20.17 | 20.50 | 1.079 | 0.050 | /   |
| Ant.3     | DSI2 | QPSK | Front Side | 15 | 19100 | 1900 | 1  | Low | 0.12  | 0.107 | 20.75 | 22.00 | 1.334 | 0.143 | /   |
|           | DSI2 |      | Back Side  | 15 | 19100 | 1900 | 1  | Low | 0.07  | 0.152 | 20.75 | 22.00 | 1.334 | 0.203 | /   |
|           | DSI2 |      | Front Side | 15 | 19100 | 1900 | 50 | Mid | 0.09  | 0.079 | 20.87 | 22.00 | 1.297 | 0.102 | /   |
|           | DSI2 |      | Back Side  | 15 | 19100 | 1900 | 50 | Mid | 0.13  | 0.119 | 20.87 | 22.00 | 1.297 | 0.154 | /   |
| Hotspot   |      |      |            |    |       |      |    |     |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | QPSK | Front Side | 10 | 19100 | 1900 | 1  | Mid | -0.06 | 0.138 | 18.21 | 19.50 | 1.346 | 0.186 | /   |
|           | DSI5 |      | Back Side  | 10 | 19100 | 1900 | 1  | Mid | 0.10  | 0.189 | 18.21 | 19.50 | 1.346 | 0.254 | /   |
|           | DSI5 |      | Left Edge  | 10 | 19100 | 1900 | 1  | Mid | 0.13  | 0.055 | 18.21 | 19.50 | 1.346 | 0.074 | /   |
|           | DSI5 |      | Top Edge   | 10 | 19100 | 1900 | 1  | Mid | -0.09 | 0.264 | 18.21 | 19.50 | 1.346 | 0.355 | /   |
|           | DSI5 |      | Front Side | 10 | 19100 | 1900 | 50 | Low | -0.13 | 0.131 | 18.33 | 19.50 | 1.309 | 0.171 | /   |
|           | DSI5 |      | Back Side  | 10 | 19100 | 1900 | 50 | Low | -0.04 | 0.175 | 18.33 | 19.50 | 1.309 | 0.229 | /   |
|           | DSI5 |      | Left Edge  | 10 | 19100 | 1900 | 50 | Low | 0.04  | 0.052 | 18.33 | 19.50 | 1.309 | 0.068 | /   |
|           | DSI5 |      | Top Edge   | 10 | 18700 | 1860 | 1  | Low | 0.10  | 0.259 | 18.33 | 19.50 | 1.309 | 0.339 | /   |
| Ant.4     | DSI5 | QPSK | Front Side | 10 | 18900 | 1880 | 1  | Mid | -0.10 | 0.092 | 18.43 | 19.00 | 1.140 | 0.105 | /   |
|           | DSI5 |      | Back Side  | 10 | 18900 | 1880 | 1  | Mid | 0.08  | 0.114 | 18.43 | 19.00 | 1.140 | 0.130 | /   |
|           | DSI5 |      | Left Edge  | 10 | 18900 | 1880 | 1  | Mid | 0.03  | 0.183 | 18.43 | 19.00 | 1.140 | 0.209 | /   |
|           | DSI5 |      | Top Edge   | 10 | 18900 | 1880 | 1  | Mid | 0.00  | 0.018 | 18.43 | 19.00 | 1.140 | 0.021 | /   |
|           | DSI5 |      | Front Side | 10 | 18900 | 1880 | 50 | Mid | -0.06 | 0.091 | 18.43 | 19.00 | 1.140 | 0.104 | /   |
|           | DSI5 |      | Back Side  | 10 | 18900 | 1880 | 50 | Mid | -0.12 | 0.113 | 18.43 | 19.00 | 1.140 | 0.129 | /   |
|           | DSI5 |      | Left Edge  | 10 | 18900 | 1880 | 50 | Mid | -0.01 | 0.181 | 18.43 | 19.00 | 1.140 | 0.206 | /   |
|           | DSI5 |      | Top Edge   | 10 | 18900 | 1880 | 50 | Mid | -0.06 | 0.019 | 18.43 | 19.00 | 1.140 | 0.022 | /   |
| Ant.5     | DSI5 | QPSK | Front Side | 10 | 18900 | 1880 | 1  | Mid | -0.04 | 0.092 | 21.06 | 21.50 | 1.107 | 0.102 | /   |
|           | DSI5 |      | Back Side  | 10 | 18900 | 1880 | 1  | Mid | -0.06 | 0.151 | 21.06 | 21.50 | 1.107 | 0.167 | /   |
|           | DSI5 |      | Right Edge | 10 | 18900 | 1880 | 1  | Mid | 0.05  | 0.203 | 21.06 | 21.50 | 1.107 | 0.225 | /   |
|           | DSI5 |      | Front Side | 10 | 18900 | 1880 | 50 | Mid | -0.13 | 0.075 | 20.17 | 20.50 | 1.079 | 0.081 | /   |
|           | DSI5 |      | Back Side  | 10 | 18900 | 1880 | 50 | Mid | -0.07 | 0.121 | 20.17 | 20.50 | 1.079 | 0.131 | /   |
|           | DSI5 |      | Right Edge | 10 | 18900 | 1880 | 50 | Mid | -0.14 | 0.168 | 20.17 | 20.50 | 1.079 | 0.181 | /   |
| Ant.3     | DSI5 | QPSK | Front Side | 10 | 19100 | 1900 | 1  | Low | 0.09  | 0.126 | 20.75 | 22.00 | 1.334 | 0.168 | /   |

|  |      |  |             |    |       |      |    |     |       |       |       |       |       |              |     |
|--|------|--|-------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|--------------|-----|
|  | DSI5 |  | Back Side   | 10 | 19100 | 1900 | 1  | Low | 0.09  | 0.198 | 20.75 | 22.00 | 1.334 | 0.264        | /   |
|  | DSI5 |  | Right Edge  | 10 | 19100 | 1900 | 1  | Low | 0.02  | 0.044 | 20.75 | 22.00 | 1.334 | 0.059        | /   |
|  | DSI5 |  | Bottom Edge | 10 | 19100 | 1900 | 1  | Low | -0.19 | 0.346 | 20.75 | 22.00 | 1.334 | <b>0.462</b> | 21# |
|  | DSI5 |  | Front Side  | 10 | 19100 | 1900 | 50 | Mid | 0.15  | 0.110 | 20.87 | 22.00 | 1.297 | 0.143        | /   |
|  | DSI5 |  | Back Side   | 10 | 19100 | 1900 | 50 | Mid | -0.01 | 0.152 | 20.87 | 22.00 | 1.297 | 0.197        | /   |
|  | DSI5 |  | Right Edge  | 10 | 19100 | 1900 | 50 | Mid | -0.10 | 0.035 | 20.87 | 22.00 | 1.297 | 0.045        | /   |
|  | DSI5 |  | Bottom Edge | 10 | 19100 | 1900 | 50 | Mid | 0.14  | 0.289 | 20.87 | 22.00 | 1.297 | 0.375        | /   |

**Sensor(N-1)**

|       |     |      |             |    |       |      |    |     |       |       |       |       |       |       |   |
|-------|-----|------|-------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.3 | Off | QPSK | Front Side  | 15 | 19100 | 1900 | 1  | Low | -0.09 | 0.103 | 21.77 | 23.00 | 1.327 | 0.137 | / |
|       | Off |      | Back Side   | 15 | 19100 | 1900 | 1  | Low | 0.01  | 0.160 | 21.77 | 23.00 | 1.327 | 0.212 | / |
|       | Off |      | Left Edge   | 15 | 19100 | 1900 | 1  | Low | 0.03  | 0.006 | 21.77 | 23.00 | 1.327 | 0.008 | / |
|       | Off |      | Bottom Edge | 15 | 19100 | 1900 | 1  | Low | -0.03 | 0.292 | 21.77 | 23.00 | 1.327 | 0.387 | / |
|       | Off |      | Front Side  | 15 | 19100 | 1900 | 50 | Mid | 0.01  | 0.084 | 20.82 | 22.00 | 1.312 | 0.110 | / |
|       | Off |      | Back Side   | 15 | 19100 | 1900 | 50 | Mid | -0.10 | 0.131 | 20.82 | 22.00 | 1.312 | 0.172 | / |
|       | Off |      | Left Edge   | 15 | 19100 | 1900 | 50 | Mid | 0.10  | 0.005 | 20.82 | 22.00 | 1.312 | 0.007 | / |
|       | Off |      | Bottom Edge | 15 | 19100 | 1900 | 50 | Mid | -0.04 | 0.241 | 20.82 | 22.00 | 1.312 | 0.316 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna         | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|-----------------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| <b>Specific</b> |                 |      |             |            |       |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2           | DSI3            | QPSK | Top Edge    | 0          | 18900 | 1880        | 1       | Mid      | -0.02            | 1.540                | 20.23             | 21.50                 | 1.340          | 2.064                  | /         |
|                 | DSI3            |      | Top Edge    | 0          | 19100 | 1900        | 50      | Low      | 0.02             | 1.530                | 20.31             | 21.50                 | 1.315          | 2.012                  | /         |
|                 | DSI3            |      | Top Edge    | 0          | 18700 | 1860        | 1       | High     | -0.05            | 1.620                | 20.07             | 21.50                 | 1.390          | <b>2.252</b>           | 22#       |
|                 | DSI3            |      | Top Edge    | 0          | 19100 | 1900        | 1       | Low      | -0.13            | 1.620                | 20.21             | 21.50                 | 1.346          | 2.181                  | /         |
|                 | DSI3            |      | Top Edge    | 0          | 18700 | 1860        | 50      | Low      | -0.08            | 1.540                | 20.15             | 21.50                 | 1.365          | 2.102                  | /         |
|                 | DSI3            |      | Top Edge    | 0          | 18900 | 1880        | 50      | High     | 0.09             | 1.560                | 20.30             | 21.50                 | 1.318          | 2.056                  | /         |
|                 | DSI3            |      | Top Edge    | 0          | 19100 | 1900        | 100     | Low      | -0.14            | 1.510                | 20.31             | 21.50                 | 1.315          | 1.986                  | /         |
| Ant.3           | DSI2            | QPSK | Bottom Edge | 0          | 19100 | 1900        | 1       | Low      | -0.08            | 1.480                | 20.75             | 22.00                 | 1.334          | 1.974                  | /         |
|                 | DSI2            |      | Bottom Edge | 0          | 19100 | 1900        | 50      | Mid      | -0.01            | 1.530                | 20.87             | 22.00                 | 1.297          | 1.984                  | /         |

**Sensor(N-1)**

|       |     |      |            |   |       |      |    |     |       |       |       |       |       |       |   |
|-------|-----|------|------------|---|-------|------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.2 | Off | QPSK | Front Side | 5 | 19100 | 1900 | 1  | Mid | -0.12 | 0.453 | 22.20 | 23.50 | 1.349 | 0.611 | / |
|       | Off |      | Back Side  | 5 | 19100 | 1900 | 1  | Mid | 0.13  | 0.634 | 22.20 | 23.50 | 1.349 | 0.855 | / |
|       | Off |      | Top Edge   | 5 | 19100 | 1900 | 1  | Mid | 0.03  | 0.963 | 22.20 | 23.50 | 1.349 | 1.299 | / |
|       | Off |      | Front Side | 5 | 19100 | 1900 | 50 | Low | -0.12 | 0.374 | 21.37 | 22.50 | 1.297 | 0.485 | / |
|       | Off |      | Back Side  | 5 | 19100 | 1900 | 50 | Low | -0.09 | 0.521 | 21.37 | 22.50 | 1.297 | 0.676 | / |
|       | Off |      | Top Edge   | 5 | 19100 | 1900 | 50 | Low | 0.03  | 0.789 | 21.37 | 22.50 | 1.297 | 1.023 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.7LTE Band 4 (20MHz Bandwidth)

| Antenna | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head    |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2   | DSI1            | QPSK | Left Cheek  | 0          | 20050 | 1720        | 1       | Low      | 0.01             | 0.418               | 15.79             | 17.00                 | 1.321          | 0.552                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20050 | 1720        | 1       | Low      | -0.02            | 0.480               | 15.79             | 17.00                 | 1.321          | 0.634                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 1       | Low      | 0.03             | 0.708               | 15.79             | 17.00                 | 1.321          | 0.935                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 20050 | 1720        | 1       | Low      | -0.01            | 0.579               | 15.79             | 17.00                 | 1.321          | 0.765                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 20050 | 1720        | 50      | Mid      | 0.03             | 0.411               | 15.73             | 17.00                 | 1.340          | 0.551                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20050 | 1720        | 50      | Mid      | 0.06             | 0.474               | 15.73             | 17.00                 | 1.340          | 0.635                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 50      | Mid      | -0.02            | 0.702               | 15.73             | 17.00                 | 1.340          | 0.941                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 20050 | 1720        | 50      | Mid      | 0.15             | 0.571               | 15.73             | 17.00                 | 1.340          | 0.765                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20175 | 1732.5      | 1       | Low      | -0.14            | 0.691               | 15.78             | 17.00                 | 1.324          | 0.915                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20300 | 1745        | 1       | High     | 0.01             | 0.680               | 15.58             | 17.00                 | 1.387          | 0.943                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 50      | High     | -0.01            | 0.689               | 15.66             | 17.00                 | 1.361          | 0.938                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20300 | 1745        | 50      | High     | 0.08             | 0.695               | 15.69             | 17.00                 | 1.352          | 0.940                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 100     | Low      | 0.06             | 0.564               | 15.86             | 17.00                 | 1.300          | 0.733                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 100     | Low      | 0.06             | 0.564               | 15.86             | 17.00                 | 1.300          | 0.733                 | /         |
| Ant.4   | DSI1            | QPSK | Left Cheek  | 0          | 20175 | 1732.5      | 1       | High     | 0.12             | 0.172               | 18.95             | 20.50                 | 1.429          | 0.246                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20175 | 1732.5      | 1       | High     | -0.03            | 0.081               | 18.95             | 20.50                 | 1.429          | 0.116                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20175 | 1732.5      | 1       | High     | -0.11            | 0.662               | 18.95             | 20.50                 | 1.429          | <b>0.946</b>          | 23#       |
|         | DSI1            |      | Right Tilt  | 0          | 20175 | 1732.5      | 1       | High     | -0.09            | 0.198               | 18.95             | 20.50                 | 1.429          | 0.283                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 20300 | 1745        | 50      | Low      | 0.01             | 0.135               | 18.94             | 20.50                 | 1.432          | 0.193                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20300 | 1745        | 50      | Low      | 0.07             | 0.076               | 18.94             | 20.50                 | 1.432          | 0.109                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20300 | 1745        | 50      | Low      | 0.10             | 0.659               | 18.94             | 20.50                 | 1.432          | 0.944                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 20300 | 1745        | 50      | Low      | 0.08             | 0.191               | 18.94             | 20.50                 | 1.432          | 0.274                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 1       | High     | -0.14            | 0.650               | 18.90             | 20.50                 | 1.445          | 0.939                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20300 | 1745        | 1       | Mid      | 0.04             | 0.643               | 18.90             | 20.50                 | 1.445          | 0.929                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 50      | Mid      | -0.03            | 0.563               | 18.86             | 20.50                 | 1.459          | 0.821                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20175 | 1732.5      | 50      | High     | 0.08             | 0.601               | 18.86             | 20.50                 | 1.459          | 0.877                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 100     | Low      | -0.02            | 0.610               | 19.10             | 20.50                 | 1.380          | 0.842                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 100     | Low      | -0.02            | 0.610               | 19.10             | 20.50                 | 1.380          | 0.842                 | /         |
| Ant.5   | DSI1            | QPSK | Left Cheek  | 0          | 20050 | 1720        | 1       | Mid      | 0.12             | 0.301               | 22.44             | 24.00                 | 1.432          | 0.431                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20050 | 1720        | 1       | Mid      | -0.10            | 0.070               | 22.44             | 24.00                 | 1.432          | 0.100                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 1       | Mid      | 0.08             | 0.151               | 22.44             | 24.00                 | 1.432          | 0.216                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 20050 | 1720        | 1       | Mid      | 0.10             | 0.030               | 22.44             | 24.00                 | 1.432          | 0.043                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 20050 | 1720        | 50      | High     | 0.15             | 0.207               | 21.46             | 23.00                 | 1.426          | 0.295                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20050 | 1720        | 50      | High     | 0.09             | 0.059               | 21.46             | 23.00                 | 1.426          | 0.084                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 20050 | 1720        | 50      | High     | 0.12             | 0.114               | 21.46             | 23.00                 | 1.426          | 0.163                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 20050 | 1720        | 50      | High     | -0.08            | 0.025               | 21.46             | 23.00                 | 1.426          | 0.036                 | /         |
| Ant.3   | DSI1            | QPSK | Left Cheek  | 0          | 20175 | 1732.5      | 1       | Low      | -0.14            | 0.236               | 24.00             | 25.50                 | 1.413          | 0.333                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 20175 | 1732.5      | 1       | Low      | 0.02             | 0.059               | 24.00             | 25.50                 | 1.413          | 0.083                 | /         |

|           |       |            |             |      |            |        |       |      |       |       |       |       |       |       |       |       |   |
|-----------|-------|------------|-------------|------|------------|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|---|
|           | DSI1  |            | Right Cheek | 0    | 20175      | 1732.5 | 1     | Low  | 0.10  | 0.187 | 24.00 | 25.50 | 1.413 | 0.264 | /     |       |   |
|           | DSI1  |            | Right Tilt  | 0    | 20175      | 1732.5 | 1     | Low  | -0.11 | 0.047 | 24.00 | 25.50 | 1.413 | 0.066 | /     |       |   |
|           | DSI1  |            | Left Cheek  | 0    | 20175      | 1732.5 | 50    | High | -0.05 | 0.186 | 22.98 | 24.50 | 1.419 | 0.264 | /     |       |   |
|           | DSI1  |            | Left Tilt   | 0    | 20175      | 1732.5 | 50    | High | -0.12 | 0.051 | 22.98 | 24.50 | 1.419 | 0.072 | /     |       |   |
|           | DSI1  |            | Right Cheek | 0    | 20175      | 1732.5 | 50    | High | -0.12 | 0.145 | 22.98 | 24.50 | 1.419 | 0.206 | /     |       |   |
|           | DSI1  |            | Right Tilt  | 0    | 20175      | 1732.5 | 50    | High | 0.00  | 0.039 | 22.98 | 24.50 | 1.419 | 0.055 | /     |       |   |
| Body-worn |       |            |             |      |            |        |       |      |       |       |       |       |       |       |       |       |   |
| Ant.2     | DSI2  | QPSK       | Front Side  | 15   | 20175      | 1732.5 | 1     | Low  | 0.01  | 0.600 | 24.26 | 25.50 | 1.330 | 0.798 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20175      | 1732.5 | 1     | Low  | -0.02 | 0.812 | 24.26 | 25.50 | 1.330 | 1.080 | 24#   |       |   |
|           | DSI2  |            | Front Side  | 15   | 20050      | 1720   | 50    | Mid  | 0.13  | 0.498 | 23.25 | 24.50 | 1.334 | 0.664 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20050      | 1720   | 50    | Mid  | 0.15  | 0.598 | 23.25 | 24.50 | 1.334 | 0.798 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20050      | 1720   | 1     | Low  | -0.12 | 0.796 | 24.24 | 25.50 | 1.337 | 1.064 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20300      | 1745   | 1     | High | -0.05 | 0.724 | 24.09 | 25.50 | 1.384 | 1.002 | /     |       |   |
|           | DSI2  | QPSK       | Back Side   | 15   | 20050      | 1720   | 100   | Low  | -0.10 | 0.605 | 23.29 | 24.50 | 1.321 | 0.799 | /     |       |   |
|           | Ant.4 |            | DSI2        | QPSK | Front Side | 15     | 20050 | 1720 | 1     | Low   | -0.13 | 0.112 | 21.32 | 22.50 | 1.312 | 0.147 | / |
|           |       |            | DSI2        |      | Back Side  | 15     | 20050 | 1720 | 1     | Low   | -0.09 | 0.138 | 21.32 | 22.50 | 1.312 | 0.181 | / |
|           |       |            | DSI2        |      | Front Side | 15     | 20300 | 1745 | 50    | High  | 0.05  | 0.113 | 21.09 | 22.50 | 1.384 | 0.156 | / |
|           |       |            | DSI2        |      | Back Side  | 15     | 20300 | 1745 | 50    | High  | 0.11  | 0.132 | 21.09 | 22.50 | 1.384 | 0.183 | / |
|           | Ant.5 |            | DSI2        | QPSK | Front Side | 15     | 20050 | 1720 | 1     | Mid   | 0.09  | 0.047 | 22.44 | 24.00 | 1.432 | 0.067 | / |
| DSI2      |       | Back Side  | 15          |      | 20050      | 1720   | 1     | Mid  | 0.10  | 0.074 | 22.44 | 24.00 | 1.432 | 0.106 | /     |       |   |
| DSI2      |       | Front Side | 15          |      | 20050      | 1720   | 50    | High | -0.03 | 0.000 | 21.46 | 23.00 | 1.426 | 0.000 | /     |       |   |
| DSI2      |       | Back Side  | 15          |      | 20050      | 1720   | 50    | High | -0.07 | 0.059 | 21.46 | 23.00 | 1.426 | 0.084 | /     |       |   |
| Ant.3     | DSI2  | QPSK       | Front Side  | 15   | 20175      | 1732.5 | 1     | Low  | 0.00  | 0.126 | 20.52 | 22.00 | 1.406 | 0.177 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20175      | 1732.5 | 1     | Low  | 0.05  | 0.164 | 20.52 | 22.00 | 1.406 | 0.231 | /     |       |   |
|           | DSI2  |            | Front Side  | 15   | 20050      | 1720   | 50    | Low  | 0.01  | 0.122 | 20.51 | 22.00 | 1.409 | 0.172 | /     |       |   |
|           | DSI2  |            | Back Side   | 15   | 20050      | 1720   | 50    | Low  | 0.08  | 0.161 | 20.51 | 22.00 | 1.409 | 0.227 | /     |       |   |
| Hotspot   |       |            |             |      |            |        |       |      |       |       |       |       |       |       |       |       |   |
| Ant.2     | DSI5  | QPSK       | Front Side  | 10   | 20050      | 1720   | 1     | Low  | -0.08 | 0.124 | 15.79 | 17.00 | 1.321 | 0.164 | /     |       |   |
|           | DSI5  |            | Back Side   | 10   | 20050      | 1720   | 1     | Low  | -0.08 | 0.176 | 15.79 | 17.00 | 1.321 | 0.232 | /     |       |   |
|           | DSI5  |            | Left Edge   | 10   | 20050      | 1720   | 1     | Low  | 0.15  | 0.048 | 15.79 | 17.00 | 1.321 | 0.063 | /     |       |   |
|           | DSI5  |            | Top Edge    | 10   | 20050      | 1720   | 1     | Low  | -0.01 | 0.229 | 15.79 | 17.00 | 1.321 | 0.303 | /     |       |   |
|           | DSI5  |            | Front Side  | 10   | 20050      | 1720   | 50    | Mid  | 0.06  | 0.121 | 15.73 | 17.00 | 1.340 | 0.162 | /     |       |   |
|           | DSI5  |            | Back Side   | 10   | 20050      | 1720   | 50    | Mid  | 0.08  | 0.175 | 15.73 | 17.00 | 1.340 | 0.235 | /     |       |   |
|           | DSI5  |            | Left Edge   | 10   | 20050      | 1720   | 50    | Mid  | -0.03 | 0.046 | 15.73 | 17.00 | 1.340 | 0.062 | /     |       |   |
|           | DSI5  |            | Top Edge    | 10   | 20050      | 1720   | 50    | Mid  | -0.11 | 0.224 | 15.73 | 17.00 | 1.340 | 0.300 | /     |       |   |
| Ant.4     | DSI5  | QPSK       | Front Side  | 10   | 20175      | 1732.5 | 1     | High | 0.08  | 0.146 | 18.95 | 20.50 | 1.429 | 0.209 | /     |       |   |
|           | DSI5  |            | Back Side   | 10   | 20175      | 1732.5 | 1     | High | -0.08 | 0.181 | 18.95 | 20.50 | 1.429 | 0.259 | /     |       |   |
|           | DSI5  |            | Left Edge   | 10   | 20175      | 1732.5 | 1     | High | 0.02  | 0.290 | 18.95 | 20.50 | 1.429 | 0.414 | /     |       |   |
|           | DSI5  |            | Top Edge    | 10   | 20175      | 1732.5 | 1     | High | 0.04  | 0.028 | 18.95 | 20.50 | 1.429 | 0.040 | /     |       |   |
|           | DSI5  |            | Front Side  | 10   | 20300      | 1745   | 50    | Low  | -0.08 | 0.144 | 18.94 | 20.50 | 1.432 | 0.206 | /     |       |   |
|           | DSI5  |            | Back Side   | 10   | 20300      | 1745   | 50    | Low  | -0.03 | 0.179 | 18.94 | 20.50 | 1.432 | 0.256 | /     |       |   |
|           | DSI5  |            | Left Edge   | 10   | 20300      | 1745   | 50    | Low  | 0.07  | 0.287 | 18.94 | 20.50 | 1.432 | 0.411 | /     |       |   |

|                                                                                |             |      |             |    |       |        |     |      |       |       |       |       |       |              |     |
|--------------------------------------------------------------------------------|-------------|------|-------------|----|-------|--------|-----|------|-------|-------|-------|-------|-------|--------------|-----|
|                                                                                | DSI5        |      | Top Edge    | 10 | 20300 | 1745   | 50  | Low  | 0.12  | 0.029 | 18.94 | 20.50 | 1.432 | 0.042        | /   |
| Ant.5                                                                          | DSI5        | QPSK | Front Side  | 10 | 20050 | 1720   | 1   | Mid  | 0.00  | 0.100 | 22.44 | 24.00 | 1.432 | 0.143        | /   |
|                                                                                | DSI5        |      | Back Side   | 10 | 20050 | 1720   | 1   | Mid  | -0.09 | 0.157 | 22.44 | 24.00 | 1.432 | 0.225        | /   |
|                                                                                | DSI5        |      | Right Edge  | 10 | 20050 | 1720   | 1   | Mid  | 0.12  | 0.224 | 22.44 | 24.00 | 1.432 | 0.321        | /   |
|                                                                                | DSI5        |      | Front Side  | 10 | 20050 | 1720   | 50  | High | -0.05 | 0.076 | 21.46 | 23.00 | 1.426 | 0.108        | /   |
|                                                                                | DSI5        |      | Back Side   | 10 | 20050 | 1720   | 50  | High | 0.00  | 0.125 | 21.46 | 23.00 | 1.426 | 0.178        | /   |
|                                                                                | DSI5        |      | Right Edge  | 10 | 20050 | 1720   | 50  | High | -0.01 | 0.181 | 21.46 | 23.00 | 1.426 | 0.258        | /   |
|                                                                                | DSI5        |      | Front Side  | 10 | 20175 | 1732.5 | 1   | Low  | -0.11 | 0.216 | 20.52 | 22.00 | 1.406 | 0.304        | /   |
| Ant.3                                                                          | DSI5        | QPSK | Back Side   | 10 | 20175 | 1732.5 | 1   | Low  | 0.04  | 0.310 | 20.52 | 22.00 | 1.406 | 0.436        | /   |
|                                                                                | DSI5        |      | Right Edge  | 10 | 20175 | 1732.5 | 1   | Low  | -0.01 | 0.079 | 20.52 | 22.00 | 1.406 | 0.111        | /   |
|                                                                                | DSI5        |      | Bottom Edge | 10 | 20175 | 1732.5 | 1   | Low  | -0.19 | 0.450 | 20.52 | 22.00 | 1.406 | <b>0.633</b> | 25# |
|                                                                                | DSI5        |      | Front Side  | 10 | 20050 | 1720   | 50  | Low  | -0.06 | 0.217 | 20.51 | 22.00 | 1.409 | 0.306        | /   |
|                                                                                | DSI5        |      | Back Side   | 10 | 20050 | 1720   | 50  | Low  | 0.02  | 0.297 | 20.51 | 22.00 | 1.409 | 0.418        | /   |
|                                                                                | DSI5        |      | Right Edge  | 10 | 20050 | 1720   | 50  | Low  | 0.04  | 0.079 | 20.51 | 22.00 | 1.409 | 0.111        | /   |
|                                                                                | DSI5        |      | Bottom Edge | 10 | 20050 | 1720   | 50  | Low  | -0.02 | 0.438 | 20.51 | 22.00 | 1.409 | 0.617        | /   |
|                                                                                | Sensor(N-1) |      |             |    |       |        |     |      |       |       |       |       |       |              |     |
| Ant.3                                                                          | Off         | QPSK | Front Side  | 15 | 20175 | 1732.5 | 1   | Low  | -0.08 | 0.354 | 24.00 | 25.50 | 1.413 | 0.500        | /   |
|                                                                                | Off         |      | Back Side   | 15 | 20175 | 1732.5 | 1   | Low  | -0.04 | 0.487 | 24.00 | 25.50 | 1.413 | 0.688        | /   |
|                                                                                | Off         |      | Left Edge   | 15 | 20175 | 1732.5 | 1   | Low  | 0.12  | 0.056 | 24.00 | 25.50 | 1.413 | 0.079        | /   |
|                                                                                | Off         |      | Bottom Edge | 15 | 20175 | 1732.5 | 1   | Low  | -0.09 | 0.714 | 24.00 | 25.50 | 1.413 | 1.009        | /   |
|                                                                                | Off         |      | Front Side  | 15 | 20175 | 1732.5 | 50  | High | 0.01  | 0.280 | 22.98 | 24.50 | 1.419 | 0.397        | /   |
|                                                                                | Off         |      | Back Side   | 15 | 20175 | 1732.5 | 50  | High | 0.01  | 0.385 | 22.98 | 24.50 | 1.419 | 0.546        | /   |
|                                                                                | Off         |      | Left Edge   | 15 | 20175 | 1732.5 | 50  | High | 0.14  | 0.043 | 22.98 | 24.50 | 1.419 | 0.061        | /   |
|                                                                                | Off         |      | Bottom Edge | 15 | 20175 | 1732.5 | 50  | High | 0.15  | 0.562 | 22.98 | 24.50 | 1.419 | 0.797        | /   |
|                                                                                | Off         |      | Bottom Edge | 15 | 20050 | 1720   | 1   | Low  | 0.06  | 0.682 | 23.99 | 25.50 | 1.416 | 0.966        | /   |
|                                                                                | Off         |      | Bottom Edge | 15 | 20300 | 1745   | 1   | Low  | 0.00  | 0.722 | 23.89 | 25.50 | 1.449 | 1.046        | /   |
|                                                                                | Off         |      | Bottom Edge | 15 | 20050 | 1720   | 100 | Low  | -0.09 | 0.546 | 22.99 | 24.50 | 1.416 | 0.773        | /   |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |             |      |             |    |       |        |     |      |       |       |       |       |       |              |     |

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |      |             |            |       |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | QPSK | Front Side  | 0          | 20175 | 1732.5      | 1       | Low      | 0.10             | 1.250                | 19.83             | 21.00                 | 1.309          | 1.636                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 20175 | 1732.5      | 1       | Low      | -0.06            | 0.873                | 19.83             | 21.00                 | 1.309          | 1.143                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 20175 | 1732.5      | 1       | Low      | 0.04             | 1.210                | 19.83             | 21.00                 | 1.309          | 1.584                  | /         |
|                                                                                | DSI3            |      | Front Side  | 0          | 20175 | 1732.5      | 50      | High     | 0.01             | 1.210                | 19.79             | 21.00                 | 1.321          | 1.598                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 20175 | 1732.5      | 50      | High     | -0.08            | 0.865                | 19.79             | 21.00                 | 1.321          | 1.143                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 20175 | 1732.5      | 50      | High     | 0.06             | 1.200                | 19.79             | 21.00                 | 1.321          | 1.585                  | /         |
| Ant.4                                                                          | DSI2            | QPSK | Left Edge   | 0          | 20050 | 1720        | 1       | Low      | -0.11            | 1.060                | 21.32             | 22.50                 | 1.312          | 1.391                  | /         |
|                                                                                | DSI2            |      | Left Edge   | 0          | 20300 | 1745        | 50      | High     | 0.10             | 1.030                | 21.09             | 22.50                 | 1.384          | 1.426                  | /         |
| Ant.3                                                                          | DSI2            | QPSK | Back Side   | 0          | 20175 | 1732.5      | 1       | Low      | 0.10             | 1.180                | 20.52             | 22.00                 | 1.406          | 1.659                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 20175 | 1732.5      | 1       | Low      | 0.09             | 1.180                | 20.52             | 22.00                 | 1.406          | 1.659                  | 26#       |
|                                                                                | DSI2            |      | Back Side   | 0          | 20050 | 1720        | 50      | Low      | -0.07            | 1.140                | 20.51             | 22.00                 | 1.409          | 1.606                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 20050 | 1720        | 50      | Low      | 0.00             | 1.100                | 20.51             | 22.00                 | 1.409          | 1.550                  | /         |
| Sensor(N-1)                                                                    |                 |      |             |            |       |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | Off             | QPSK | Front Side  | 5          | 20175 | 1732.5      | 1       | Low      | -0.02            | 1.160                | 24.26             | 25.50                 | 1.330          | 1.543                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 20175 | 1732.5      | 1       | Low      | 0.13             | 1.560                | 24.26             | 25.50                 | 1.330          | 2.075                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 20175 | 1732.5      | 1       | Low      | -0.13            | 1.760                | 24.26             | 25.50                 | 1.330          | 2.341                  | /         |
|                                                                                | Off             |      | Front Side  | 5          | 20050 | 1720        | 50      | Mid      | 0.00             | 0.915                | 23.25             | 24.50                 | 1.334          | 1.221                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 20050 | 1720        | 50      | Mid      | 0.10             | 1.200                | 23.25             | 24.50                 | 1.334          | 1.601                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 20050 | 1720        | 50      | Mid      | 0.10             | 1.340                | 23.25             | 24.50                 | 1.334          | 1.788                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 20050 | 1720        | 1       | Low      | 0.02             | 1.750                | 24.24             | 25.50                 | 1.337          | 2.340                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 20300 | 1745        | 1       | High     | -0.03            | 1.710                | 24.09             | 25.50                 | 1.384          | 2.367                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 20050 | 1720        | 100     | Low      | -0.08            | 1.380                | 23.29             | 24.50                 | 1.321          | 1.823                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |       |             |         |          |                  |                      |                   |                       |                |                        |           |

## 11.8LTE Band 5 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI1            | QPSK | Left Cheek  | 0          | 20450 | 829         | 1       | Mid      | -0.01            | 0.634               | 22.54             | 24.00                 | 1.400          | 0.888                 | 27#       |
|           | DSI1            |      | Left Tilt   | 0          | 20450 | 829         | 1       | Mid      | 0.14             | 0.061               | 22.54             | 24.00                 | 1.400          | 0.085                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 20450 | 829         | 1       | Mid      | 0.03             | 0.324               | 22.54             | 24.00                 | 1.400          | 0.454                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 20450 | 829         | 1       | Mid      | 0.09             | 0.054               | 22.54             | 24.00                 | 1.400          | 0.076                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20525 | 836.5       | 25      | Low      | 0.05             | 0.630               | 22.53             | 24.00                 | 1.403          | 0.884                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 20525 | 836.5       | 25      | Low      | -0.07            | 0.059               | 22.53             | 24.00                 | 1.403          | 0.083                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 20525 | 836.5       | 25      | Low      | -0.11            | 0.318               | 22.53             | 24.00                 | 1.403          | 0.446                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 20525 | 836.5       | 25      | Low      | 0.09             | 0.052               | 22.53             | 24.00                 | 1.403          | 0.073                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20525 | 836.5       | 1       | Mid      | 0.05             | 0.617               | 22.53             | 24.00                 | 1.403          | 0.866                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20600 | 844         | 1       | Mid      | -0.08            | 0.590               | 22.52             | 24.00                 | 1.406          | 0.830                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20450 | 829         | 25      | High     | -0.02            | 0.614               | 22.49             | 24.00                 | 1.416          | 0.869                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20600 | 844         | 25      | Mid      | 0.01             | 0.598               | 22.49             | 24.00                 | 1.416          | 0.847                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20525 | 836.5       | 50      | Low      | 0.02             | 0.608               | 22.52             | 24.00                 | 1.406          | 0.855                 | /         |
| Ant.0     | DSI1            | QPSK | Left Cheek  | 0          | 20450 | 829         | 1       | Low      | -0.08            | 0.211               | 24.34             | 25.50                 | 1.306          | 0.276                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 20450 | 829         | 1       | Low      | 0.12             | 0.124               | 24.34             | 25.50                 | 1.306          | 0.162                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 20450 | 829         | 1       | Low      | 0.14             | 0.162               | 24.34             | 25.50                 | 1.306          | 0.212                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 20450 | 829         | 1       | Low      | -0.12            | 0.098               | 24.34             | 25.50                 | 1.306          | 0.128                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 20525 | 836.5       | 25      | Low      | -0.04            | 0.170               | 23.32             | 24.50                 | 1.312          | 0.223                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 20525 | 836.5       | 25      | Low      | -0.09            | 0.100               | 23.32             | 24.50                 | 1.312          | 0.131                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 20525 | 836.5       | 25      | Low      | 0.00             | 0.131               | 23.32             | 24.50                 | 1.312          | 0.172                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 20525 | 836.5       | 25      | Low      | 0.04             | 0.079               | 23.32             | 24.50                 | 1.312          | 0.104                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI2            | QPSK | Front Side  | 15         | 20450 | 829         | 1       | Mid      | 0.01             | 0.132               | 23.64             | 25.00                 | 1.368          | 0.181                 | /         |
|           | DSI2            |      | Back Side   | 15         | 20450 | 829         | 1       | Mid      | -0.03            | 0.146               | 23.64             | 25.00                 | 1.368          | 0.200                 | /         |
|           | DSI2            |      | Front Side  | 15         | 20525 | 836.5       | 25      | Low      | 0.10             | 0.105               | 22.95             | 24.50                 | 1.429          | 0.150                 | /         |
|           | DSI2            |      | Back Side   | 15         | 20525 | 836.5       | 25      | Low      | -0.04            | 0.118               | 22.95             | 24.50                 | 1.429          | 0.169                 | /         |
| Ant.0     | DSI2            | QPSK | Front Side  | 15         | 20450 | 829         | 1       | Low      | -0.09            | 0.160               | 24.34             | 25.50                 | 1.306          | 0.209                 | /         |
|           | DSI2            |      | Back Side   | 15         | 20450 | 829         | 1       | Low      | -0.05            | 0.198               | 24.34             | 25.50                 | 1.306          | 0.259                 | 28#       |
|           | DSI2            |      | Front Side  | 15         | 20525 | 836.5       | 25      | Low      | -0.05            | 0.147               | 23.32             | 24.50                 | 1.312          | 0.193                 | /         |
|           | DSI2            |      | Back Side   | 15         | 20525 | 836.5       | 25      | Low      | 0.07             | 0.171               | 23.32             | 24.50                 | 1.312          | 0.224                 | /         |
| Hotspot   |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI5            | QPSK | Front Side  | 10         | 20450 | 829         | 1       | Low      | 0.13             | 0.413               | 22.54             | 24.00                 | 1.400          | 0.578                 | /         |
|           | DSI5            |      | Back Side   | 10         | 20450 | 829         | 1       | Low      | -0.04            | 0.468               | 22.54             | 24.00                 | 1.400          | 0.655                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 20450 | 829         | 1       | Low      | -0.01            | 0.659               | 22.54             | 24.00                 | 1.400          | 0.923                 | 29#       |
|           | DSI5            |      | Top Edge    | 10         | 20450 | 829         | 1       | Low      | -0.01            | 0.002               | 22.54             | 24.00                 | 1.400          | 0.003                 | /         |
|           | DSI5            |      | Front Side  | 10         | 20525 | 836.5       | 25      | Low      | -0.14            | 0.391               | 22.53             | 24.00                 | 1.403          | 0.549                 | /         |

|       |      |      |             |    |       |       |    |     |       |       |       |       |       |       |   |
|-------|------|------|-------------|----|-------|-------|----|-----|-------|-------|-------|-------|-------|-------|---|
|       | DSI5 |      | Back Side   | 10 | 20525 | 836.5 | 25 | Low | 0.02  | 0.435 | 22.53 | 24.00 | 1.403 | 0.610 | / |
|       | DSI5 |      | Left Edge   | 10 | 20525 | 836.5 | 25 | Low | -0.01 | 0.648 | 22.53 | 24.00 | 1.403 | 0.909 | / |
|       | DSI5 |      | Top Edge    | 10 | 20525 | 836.5 | 25 | Low | -0.01 | 0.002 | 22.53 | 24.00 | 1.403 | 0.003 | / |
|       | DSI5 |      | Left Edge   | 10 | 20525 | 836.5 | 1  | Low | -0.02 | 0.638 | 22.53 | 24.00 | 1.403 | 0.895 | / |
|       | DSI5 |      | Left Edge   | 10 | 20600 | 844   | 1  | Low | -0.09 | 0.645 | 22.52 | 24.00 | 1.406 | 0.907 | / |
|       | DSI5 |      | Left Edge   | 10 | 20450 | 829   | 25 | Low | 0.08  | 0.630 | 22.49 | 24.00 | 1.416 | 0.892 | / |
|       | DSI5 |      | Left Edge   | 10 | 20600 | 844   | 25 | Low | 0.10  | 0.624 | 22.49 | 24.00 | 1.416 | 0.884 | / |
|       | DSI5 |      | Left Edge   | 10 | 20525 | 836.5 | 50 | Low | -0.12 | 0.638 | 22.52 | 24.00 | 1.406 | 0.897 | / |
| Ant.0 | DSI5 | QPSK | Front Side  | 10 | 20450 | 829   | 1  | Low | 0.11  | 0.257 | 24.34 | 25.50 | 1.306 | 0.336 | / |
|       | DSI5 |      | Back Side   | 10 | 20450 | 829   | 1  | Low | -0.11 | 0.373 | 24.34 | 25.50 | 1.306 | 0.487 | / |
|       | DSI5 |      | Left Edge   | 10 | 20450 | 829   | 1  | Low | -0.13 | 0.160 | 24.34 | 25.50 | 1.306 | 0.209 | / |
|       | DSI5 |      | Right Edge  | 10 | 20450 | 829   | 1  | Low | 0.09  | 0.121 | 24.34 | 25.50 | 1.306 | 0.158 | / |
|       | DSI5 |      | Bottom Edge | 10 | 20450 | 829   | 1  | Low | -0.12 | 0.197 | 24.34 | 25.50 | 1.306 | 0.257 | / |
|       | DSI5 |      | Front Side  | 10 | 20525 | 836.5 | 25 | Low | -0.14 | 0.208 | 23.32 | 24.50 | 1.312 | 0.273 | / |
|       | DSI5 |      | Back Side   | 10 | 20525 | 836.5 | 25 | Low | 0.08  | 0.309 | 23.32 | 24.50 | 1.312 | 0.405 | / |
|       | DSI5 |      | Left Edge   | 10 | 20525 | 836.5 | 25 | Low | 0.10  | 0.128 | 23.32 | 24.50 | 1.312 | 0.168 | / |
|       | DSI5 |      | Right Edge  | 10 | 20525 | 836.5 | 25 | Low | 0.14  | 0.104 | 23.32 | 24.50 | 1.312 | 0.136 | / |
|       | DSI5 |      | Bottom Edge | 10 | 20525 | 836.5 | 25 | Low | 0.13  | 0.159 | 23.32 | 24.50 | 1.312 | 0.209 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.9LTE Band 7 (20MHz Bandwidth)

| Antenna     | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-------------|-----------------|------|-------------|------------|-------|-------------|--------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| <b>Head</b> |                 |      |             |            |       |             |        |          |                  |                     |                   |                       |                |                       |           |
| Ant.2       | DSI1            | QPSK | Left Cheek  | 0          | 21100 | 2535        | 1      | Low      | 0.09             | 0.348               | 15.63             | 17.00                 | 1.371          | 0.477                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 21100 | 2535        | 1      | Low      | 0.05             | 0.332               | 15.63             | 17.00                 | 1.371          | 0.455                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 1      | Low      | 0.12             | 0.701               | 15.63             | 17.00                 | 1.371          | 0.961                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 21100 | 2535        | 1      | Low      | -0.07            | 0.579               | 15.63             | 17.00                 | 1.371          | 0.794                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 21100 | 2535        | 50     | Low      | 0.13             | 0.342               | 15.65             | 17.00                 | 1.365          | 0.467                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 21100 | 2535        | 50     | Low      | -0.14            | 0.330               | 15.65             | 17.00                 | 1.365          | 0.450                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 50     | Low      | -0.01            | 0.685               | 15.65             | 17.00                 | 1.365          | 0.935                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 21100 | 2535        | 50     | Low      | 0.03             | 0.571               | 15.65             | 17.00                 | 1.365          | 0.779                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 20850 | 2510        | 1      | Low      | -0.04            | 0.773               | 15.56             | 17.00                 | 1.393          | <b>1.077</b>          | 30#       |
|             | DSI1            |      | Right Cheek | 0          | 21350 | 2560        | 1      | Low      | 0.11             | 0.768               | 15.56             | 17.00                 | 1.393          | 1.070                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 20850 | 2510        | 50     | Mid      | -0.06            | 0.758               | 15.65             | 17.00                 | 1.365          | 1.035                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21350 | 2560        | 50     | Low      | 0.10             | 0.752               | 15.61             | 17.00                 | 1.377          | 1.036                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 100    | Low      | -0.04            | 0.746               | 15.61             | 17.00                 | 1.377          | 1.027                 | /         |
| Ant.4       | DSI1            | QPSK | Left Cheek  | 0          | 21100 | 2535        | 1      | Low      | 0.13             | 0.183               | 15.64             | 17.00                 | 1.368          | 0.250                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 21100 | 2535        | 1      | Low      | -0.13            | 0.128               | 15.64             | 17.00                 | 1.368          | 0.175                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 1      | Low      | 0.10             | 0.583               | 15.64             | 17.00                 | 1.368          | 0.798                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 21100 | 2535        | 1      | Low      | 0.11             | 0.270               | 15.64             | 17.00                 | 1.368          | 0.369                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 21100 | 2535        | 50     | Mid      | -0.06            | 0.179               | 15.60             | 17.00                 | 1.380          | 0.247                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 21100 | 2535        | 50     | Mid      | 0.00             | 0.121               | 15.60             | 17.00                 | 1.380          | 0.167                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 50     | Mid      | 0.01             | 0.562               | 15.60             | 17.00                 | 1.380          | 0.776                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 21100 | 2535        | 50     | Mid      | -0.04            | 0.118               | 15.60             | 17.00                 | 1.380          | 0.163                 | /         |
| Ant.5       | DSI1            | QPSK | Left Cheek  | 0          | 20850 | 2510        | 1      | High     | -0.09            | 0.554               | 19.43             | 21.00                 | 1.435          | 0.795                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 20850 | 2510        | 1      | High     | -0.14            | 0.216               | 19.43             | 21.00                 | 1.435          | 0.310                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 20850 | 2510        | 1      | High     | -0.14            | 0.466               | 19.43             | 21.00                 | 1.435          | 0.669                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 20850 | 2510        | 1      | High     | -0.09            | 0.105               | 19.43             | 21.00                 | 1.435          | 0.151                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 20850 | 2510        | 50     | Mid      | 0.06             | 0.376               | 18.54             | 20.00                 | 1.400          | 0.526                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 20850 | 2510        | 50     | Mid      | 0.15             | 0.174               | 18.54             | 20.00                 | 1.400          | 0.244                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 20850 | 2510        | 50     | Mid      | -0.05            | 0.358               | 18.54             | 20.00                 | 1.400          | 0.501                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 20850 | 2510        | 50     | Mid      | -0.13            | 0.082               | 18.54             | 20.00                 | 1.400          | 0.115                 | /         |
| Ant.3       | DSI1            | QPSK | Left Cheek  | 0          | 21100 | 2535        | 1      | Low      | -0.12            | 0.186               | 23.75             | 25.00                 | 1.334          | 0.248                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 21100 | 2535        | 1      | Low      | -0.01            | 0.111               | 23.75             | 25.00                 | 1.334          | 0.148                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 21100 | 2535        | 1      | Low      | 0.12             | 0.158               | 23.75             | 25.00                 | 1.334          | 0.211                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 21100 | 2535        | 1      | Low      | -0.08            | 0.092               | 23.75             | 25.00                 | 1.334          | 0.123                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 20850 | 2510        | 50     | Low      | 0.10             | 0.152               | 22.74             | 24.00                 | 1.337          | 0.203                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 20850 | 2510        | 50     | Low      | -0.04            | 0.094               | 22.74             | 24.00                 | 1.337          | 0.126                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 20850 | 2510        | 50     | Low      | -0.12            | 0.137               | 22.74             | 24.00                 | 1.337          | 0.183                 | /         |

|           |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
|-----------|------|------|------------|----|-------|------|----|------|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |      | Right Tilt | 0  | 20850 | 2510 | 50 | Low  | -0.14 | 0.079 | 22.74 | 24.00 | 1.337 | 0.106 | /   |
| Body-worn |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | QPSK | Front Side | 15 | 21100 | 2535 | 1  | Low  | 0.02  | 0.321 | 23.94 | 25.50 | 1.432 | 0.460 | /   |
|           | DSI2 |      | Back Side  | 15 | 21100 | 2535 | 1  | Low  | -0.05 | 0.457 | 23.94 | 25.50 | 1.432 | 0.654 | 31# |
|           | DSI2 |      | Front Side | 15 | 21100 | 2535 | 50 | Low  | -0.01 | 0.316 | 22.99 | 24.50 | 1.416 | 0.447 | /   |
|           | DSI2 |      | Back Side  | 15 | 21100 | 2535 | 50 | Low  | -0.04 | 0.452 | 22.99 | 24.50 | 1.416 | 0.640 | /   |
| Ant.4     | DSI2 | QPSK | Front Side | 15 | 20850 | 2510 | 1  | Mid  | 0.05  | 0.061 | 16.64 | 18.00 | 1.368 | 0.083 | /   |
|           | DSI2 |      | Back Side  | 15 | 20850 | 2510 | 1  | Mid  | -0.08 | 0.095 | 16.64 | 18.00 | 1.368 | 0.130 | /   |
|           | DSI2 |      | Front Side | 15 | 21350 | 2560 | 50 | Low  | -0.14 | 0.058 | 16.62 | 18.00 | 1.374 | 0.080 | /   |
|           | DSI2 |      | Back Side  | 15 | 21350 | 2560 | 50 | Low  | 0.12  | 0.093 | 16.62 | 18.00 | 1.374 | 0.128 | /   |
| Ant.5     | DSI2 | QPSK | Front Side | 15 | 21350 | 2560 | 1  | Low  | -0.10 | 0.055 | 18.60 | 20.00 | 1.380 | 0.076 | /   |
|           | DSI2 |      | Back Side  | 15 | 21350 | 2560 | 1  | Low  | 0.02  | 0.093 | 18.60 | 20.00 | 1.380 | 0.128 | /   |
|           | DSI2 |      | Front Side | 15 | 21350 | 2560 | 50 | High | 0.14  | 0.054 | 18.60 | 20.00 | 1.380 | 0.075 | /   |
|           | DSI2 |      | Back Side  | 15 | 21350 | 2560 | 50 | High | -0.06 | 0.092 | 18.60 | 20.00 | 1.380 | 0.127 | /   |
| Ant.3     | DSI2 | QPSK | Front Side | 15 | 21350 | 2560 | 1  | High | 0.02  | 0.143 | 19.61 | 21.00 | 1.377 | 0.197 | /   |
|           | DSI2 |      | Back Side  | 15 | 21350 | 2560 | 1  | High | -0.06 | 0.185 | 19.61 | 21.00 | 1.377 | 0.255 | /   |
|           | DSI2 |      | Front Side | 15 | 21100 | 2535 | 50 | Mid  | -0.06 | 0.139 | 19.65 | 21.00 | 1.365 | 0.190 | /   |
|           | DSI2 |      | Back Side  | 15 | 21100 | 2535 | 50 | Mid  | -0.10 | 0.183 | 19.65 | 21.00 | 1.365 | 0.250 | /   |
| Hotspot   |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | QPSK | Front Side | 10 | 21100 | 2535 | 1  | Low  | 0.09  | 0.092 | 15.63 | 17.00 | 1.371 | 0.126 | /   |
|           | DSI5 |      | Back Side  | 10 | 21100 | 2535 | 1  | Low  | 0.01  | 0.147 | 15.63 | 17.00 | 1.371 | 0.202 | /   |
|           | DSI5 |      | Left Edge  | 10 | 21100 | 2535 | 1  | Low  | -0.05 | 0.046 | 15.63 | 17.00 | 1.371 | 0.063 | /   |
|           | DSI5 |      | Top Edge   | 10 | 21100 | 2535 | 1  | Low  | -0.14 | 0.120 | 15.63 | 17.00 | 1.371 | 0.165 | /   |
|           | DSI5 |      | Front Side | 10 | 21100 | 2535 | 50 | Low  | 0.03  | 0.091 | 15.56 | 17.00 | 1.393 | 0.127 | /   |
|           | DSI5 |      | Back Side  | 10 | 21100 | 2535 | 50 | Low  | -0.11 | 0.145 | 15.56 | 17.00 | 1.393 | 0.202 | /   |
|           | DSI5 |      | Left Edge  | 10 | 21100 | 2535 | 50 | Low  | 0.13  | 0.044 | 15.56 | 17.00 | 1.393 | 0.061 | /   |
|           | DSI5 |      | Top Edge   | 10 | 21100 | 2535 | 50 | Low  | 0.07  | 0.121 | 15.56 | 17.00 | 1.393 | 0.169 | /   |
| Ant.4     | DSI5 | QPSK | Front Side | 10 | 21100 | 2535 | 1  | Low  | -0.05 | 0.106 | 15.64 | 17.00 | 1.368 | 0.145 | /   |
|           | DSI5 |      | Back Side  | 10 | 21100 | 2535 | 1  | Low  | 0.12  | 0.175 | 15.64 | 17.00 | 1.368 | 0.239 | /   |
|           | DSI5 |      | Left Edge  | 10 | 21100 | 2535 | 1  | Low  | -0.13 | 0.191 | 15.64 | 17.00 | 1.368 | 0.261 | /   |
|           | DSI5 |      | Top Edge   | 10 | 21100 | 2535 | 1  | Low  | -0.06 | 0.048 | 15.64 | 17.00 | 1.368 | 0.066 | /   |
|           | DSI5 |      | Front Side | 10 | 21100 | 2535 | 50 | Mid  | 0.10  | 0.102 | 15.60 | 17.00 | 1.380 | 0.141 | /   |
|           | DSI5 |      | Back Side  | 10 | 21100 | 2535 | 50 | Mid  | 0.03  | 0.173 | 15.60 | 17.00 | 1.380 | 0.239 | /   |
|           | DSI5 |      | Left Edge  | 10 | 21100 | 2535 | 50 | Mid  | -0.10 | 0.188 | 15.60 | 17.00 | 1.380 | 0.259 | /   |
|           | DSI5 |      | Top Edge   | 10 | 21100 | 2535 | 50 | Mid  | -0.12 | 0.046 | 15.60 | 17.00 | 1.380 | 0.063 | /   |
| Ant.5     | DSI5 | QPSK | Front Side | 10 | 21350 | 2560 | 1  | Low  | -0.04 | 0.119 | 18.60 | 20.00 | 1.380 | 0.164 | /   |
|           | DSI5 |      | Back Side  | 10 | 21350 | 2560 | 1  | Low  | -0.03 | 0.240 | 18.60 | 20.00 | 1.380 | 0.331 | /   |
|           | DSI5 |      | Right Edge | 10 | 21350 | 2560 | 1  | Low  | -0.09 | 0.296 | 18.60 | 20.00 | 1.380 | 0.408 | /   |
|           | DSI5 |      | Front Side | 10 | 21350 | 2560 | 50 | High | 0.06  | 0.103 | 18.60 | 20.00 | 1.380 | 0.142 | /   |
|           | DSI5 |      | Back Side  | 10 | 21350 | 2560 | 50 | High | 0.10  | 0.207 | 18.60 | 20.00 | 1.380 | 0.286 | /   |
|           | DSI5 |      | Right Edge | 10 | 21350 | 2560 | 50 | High | 0.09  | 0.254 | 18.60 | 20.00 | 1.380 | 0.351 | /   |
| Ant.3     | DSI5 | QPSK | Front Side | 10 | 21350 | 2560 | 1  | High | -0.08 | 0.276 | 19.61 | 21.00 | 1.377 | 0.380 | /   |

|                                                                                |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |
|--------------------------------------------------------------------------------|------|------|-------------|----|-------|------|----|------|-------|-------|-------|-------|-------|-------|-----|
|                                                                                | DSI5 |      | Back Side   | 10 | 21350 | 2560 | 1  | High | 0.18  | 0.336 | 19.61 | 21.00 | 1.377 | 0.463 | 32# |
|                                                                                | DSI5 |      | Right Edge  | 10 | 21350 | 2560 | 1  | High | -0.09 | 0.037 | 19.61 | 21.00 | 1.377 | 0.051 | /   |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 21350 | 2560 | 1  | High | -0.07 | 0.335 | 19.61 | 21.00 | 1.377 | 0.461 | /   |
|                                                                                | DSI5 |      | Front Side  | 10 | 21100 | 2535 | 50 | Mid  | -0.02 | 0.271 | 19.65 | 21.00 | 1.365 | 0.370 | /   |
|                                                                                | DSI5 |      | Back Side   | 10 | 21100 | 2535 | 50 | Mid  | -0.05 | 0.338 | 19.65 | 21.00 | 1.365 | 0.461 | /   |
|                                                                                | DSI5 |      | Right Edge  | 10 | 21100 | 2535 | 50 | Mid  | 0.01  | 0.035 | 19.65 | 21.00 | 1.365 | 0.048 | /   |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 21100 | 2535 | 50 | Mid  | 0.09  | 0.334 | 19.65 | 21.00 | 1.365 | 0.456 | /   |
| Sensor(N-1)                                                                    |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.3                                                                          | Off  | QPSK | Front Side  | 15 | 21100 | 2535 | 1  | Low  | 0.00  | 0.398 | 23.75 | 25.00 | 1.334 | 0.531 | /   |
|                                                                                | Off  |      | Back Side   | 15 | 21100 | 2535 | 1  | Low  | -0.06 | 0.582 | 23.75 | 25.00 | 1.334 | 0.776 | /   |
|                                                                                | Off  |      | Left Edge   | 15 | 21100 | 2535 | 1  | Low  | 0.08  | 0.060 | 23.75 | 25.00 | 1.334 | 0.080 | /   |
|                                                                                | Off  |      | Bottom Edge | 15 | 21100 | 2535 | 1  | Low  | 0.02  | 0.575 | 23.75 | 25.00 | 1.334 | 0.767 | /   |
|                                                                                | Off  |      | Front Side  | 15 | 20850 | 2510 | 50 | Low  | 0.04  | 0.318 | 22.74 | 24.00 | 1.337 | 0.425 | /   |
|                                                                                | Off  |      | Back Side   | 15 | 20850 | 2510 | 50 | Low  | -0.03 | 0.465 | 22.74 | 24.00 | 1.337 | 0.622 | /   |
|                                                                                | Off  |      | Left Edge   | 15 | 20850 | 2510 | 50 | Low  | 0.07  | 0.046 | 22.74 | 24.00 | 1.337 | 0.062 | /   |
|                                                                                | Off  |      | Bottom Edge | 15 | 20850 | 2510 | 50 | Low  | 0.01  | 0.459 | 22.74 | 24.00 | 1.337 | 0.614 | /   |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num | RB Start | Pow er Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune- power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|-------|-------------|--------|----------|-------------------|----------------------|-------------------|------------------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |      |             |            |       |             |        |          |                   |                      |                   |                        |                |                        |           |
| Ant.2                                                                          | DSI3            | QPSK | Front Side  | 0          | 21100 | 2535        | 1      | Low      | 0.07              | 1.010                | 18.15             | 19.50                  | 1.365          | 1.379                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 21100 | 2535        | 1      | Low      | 0.11              | 0.648                | 18.15             | 19.50                  | 1.365          | 0.885                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 21100 | 2535        | 1      | Low      | -0.18             | 1.350                | 18.15             | 19.50                  | 1.365          | 1.843                  | 33#       |
|                                                                                | DSI3            |      | Front Side  | 0          | 20850 | 2510        | 50     | Mid      | 0.03              | 0.986                | 18.14             | 19.50                  | 1.368          | 1.349                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 20850 | 2510        | 50     | Mid      | 0.10              | 0.635                | 18.14             | 19.50                  | 1.368          | 0.869                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 20850 | 2510        | 50     | Mid      | 0.09              | 1.280                | 18.14             | 19.50                  | 1.368          | 1.751                  | /         |
| Ant.4                                                                          | DSI2            | QPSK | Left Edge   | 0          | 20850 | 2510        | 1      | Mid      | -0.05             | 0.716                | 16.64             | 18.00                  | 1.368          | 0.979                  | /         |
|                                                                                | DSI2            |      | Left Edge   | 0          | 21350 | 2560        | 50     | Low      | -0.04             | 0.708                | 16.62             | 18.00                  | 1.374          | 0.973                  | /         |
| Ant.3                                                                          | DSI2            | QPSK | Front Side  | 0          | 21100 | 2535        | 1      | Low      | 0.05              | 1.100                | 19.61             | 21.00                  | 1.377          | 1.515                  | /         |
|                                                                                | DSI2            |      | Back Side   | 0          | 21100 | 2535        | 1      | Low      | 0.02              | 0.918                | 19.61             | 21.00                  | 1.377          | 1.264                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 21100 | 2535        | 1      | Low      | 0.07              | 1.050                | 19.61             | 21.00                  | 1.377          | 1.446                  | /         |
|                                                                                | DSI2            |      | Front Side  | 0          | 21100 | 2535        | 50     | Low      | 0.01              | 1.080                | 19.65             | 21.00                  | 1.365          | 1.474                  | /         |
|                                                                                | DSI2            |      | Back Side   | 0          | 21100 | 2535        | 50     | Low      | 0.02              | 0.914                | 19.65             | 21.00                  | 1.365          | 1.248                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 21100 | 2535        | 50     | Low      | 0.02              | 0.986                | 19.65             | 21.00                  | 1.365          | 1.346                  | /         |
| Sensor(N-1)                                                                    |                 |      |             |            |       |             |        |          |                   |                      |                   |                        |                |                        |           |
| Ant.2                                                                          | Off             | QPSK | Front Side  | 5          | 21100 | 2535        | 1      | Low      | 0.13              | 0.752                | 23.94             | 25.50                  | 1.432          | 1.077                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 21100 | 2535        | 1      | Low      | -0.05             | 1.180                | 23.94             | 25.50                  | 1.432          | 1.690                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 21100 | 2535        | 1      | Low      | -0.01             | 0.864                | 23.94             | 25.50                  | 1.432          | 1.237                  | /         |
|                                                                                | Off             |      | Front Side  | 5          | 21100 | 2535        | 50     | Low      | -0.08             | 0.596                | 22.99             | 24.50                  | 1.416          | 0.844                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 21100 | 2535        | 50     | Low      | -0.14             | 0.931                | 22.99             | 24.50                  | 1.416          | 1.318                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 21100 | 2535        | 50     | Low      | 0.04              | 0.675                | 22.99             | 24.50                  | 1.416          | 0.956                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |       |             |        |          |                   |                      |                   |                        |                |                        |           |

# 11.10 LTE Band 7 Worse case for CA Test

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.             | Freq. (MHz)     | RB Num. | RB Start     | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|-----------------|-----------------|---------|--------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head-CA                                                                        |                 |      |             |            |                 |                 |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | QPSK | Right Cheek | 0          | 20850<br>+21048 | 2510<br>+2529.8 | 1+1     | High<br>+Low | -0.09            | 0.715               | 15.31             | 17.00                 | 1.476          | 1.055                 | /         |
| Body-worn-CA                                                                   |                 |      |             |            |                 |                 |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | QPSK | Back Side   | 15         | 21100<br>+21298 | 2535<br>+2554.8 | 1+1     | High<br>+Low | 0.03             | 0.425               | 23.73             | 25.50                 | 1.503          | 0.639                 | /         |
| Hotspot-CA                                                                     |                 |      |             |            |                 |                 |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.3                                                                          | DSI5            | QPSK | Back Side   | 10         | 21350<br>+21152 | 2560<br>+2540.2 | 1+1     | Low<br>+High | -0.04            | 0.304               | 19.19             | 21.00                 | 1.517          | 0.461                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |                 |                 |         |              |                  |                     |                   |                       |                |                       |           |

| Antenna                                                                        | Power Reduction | Mode | Position | Dist. (mm) | Ch.             | Freq. (MHz)     | RB Num. | RB Start     | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|----------|------------|-----------------|-----------------|---------|--------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific-CA                                                                    |                 |      |          |            |                 |                 |         |              |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | QPSK | Top Edge | 0          | 21100<br>+21298 | 2535<br>+2554.8 | 1+1     | High<br>+Low | 0.11             | 1.280                | 18.12             | 19.50                 | 1.374          | 1.759                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |          |            |                 |                 |         |              |                  |                      |                   |                       |                |                        |           |

## 11.11 LTE Band 12 (10MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI1            | QPSK | Left Cheek  | 0          | 23095 | 707.5       | 1       | Low      | 0.01             | 0.722               | 23.89             | 25.50                 | 1.449          | 1.046                 | 34#       |
|           | DSI1            |      | Left Tilt   | 0          | 23095 | 707.5       | 1       | Low      | -0.02            | 0.074               | 23.89             | 25.50                 | 1.449          | 0.107                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23095 | 707.5       | 1       | Low      | -0.14            | 0.410               | 23.89             | 25.50                 | 1.449          | 0.594                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23095 | 707.5       | 1       | Low      | -0.03            | 0.071               | 23.89             | 25.50                 | 1.449          | 0.103                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23095 | 707.5       | 25      | Mid      | -0.09            | 0.558               | 22.89             | 24.50                 | 1.449          | 0.809                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23095 | 707.5       | 25      | Mid      | -0.04            | 0.060               | 22.89             | 24.50                 | 1.449          | 0.087                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23095 | 707.5       | 25      | Mid      | 0.03             | 0.336               | 22.89             | 24.50                 | 1.449          | 0.487                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23095 | 707.5       | 25      | Mid      | -0.12            | 0.058               | 22.89             | 24.50                 | 1.449          | 0.084                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23060 | 704         | 1       | Low      | -0.14            | 0.610               | 23.87             | 25.50                 | 1.455          | 0.888                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23130 | 711         | 1       | Low      | -0.03            | 0.714               | 23.87             | 25.50                 | 1.455          | 1.039                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23060 | 704         | 25      | Mid      | 0.08             | 0.517               | 22.86             | 24.50                 | 1.459          | 0.754                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23130 | 711         | 25      | Mid      | 0.15             | 0.593               | 22.88             | 24.50                 | 1.452          | 0.861                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23060 | 704         | 50      | Low      | -0.12            | 0.589               | 22.92             | 24.50                 | 1.439          | 0.848                 | /         |
| Ant.0     | DSI1            | QPSK | Left Cheek  | 0          | 23095 | 707.5       | 1       | Low      | -0.11            | 0.131               | 24.08             | 25.50                 | 1.387          | 0.182                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23095 | 707.5       | 1       | Low      | 0.14             | 0.072               | 24.08             | 25.50                 | 1.387          | 0.100                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23095 | 707.5       | 1       | Low      | 0.11             | 0.101               | 24.08             | 25.50                 | 1.387          | 0.140                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23095 | 707.5       | 1       | Low      | -0.13            | 0.057               | 24.08             | 25.50                 | 1.387          | 0.079                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23095 | 707.5       | 25      | Mid      | 0.12             | 0.103               | 23.05             | 24.50                 | 1.396          | 0.144                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23095 | 707.5       | 25      | Mid      | 0.06             | 0.059               | 23.05             | 24.50                 | 1.396          | 0.082                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23095 | 707.5       | 25      | Mid      | -0.03            | 0.079               | 23.05             | 24.50                 | 1.396          | 0.110                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23095 | 707.5       | 25      | Mid      | -0.01            | 0.046               | 23.05             | 24.50                 | 1.396          | 0.064                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI2            | QPSK | Front Side  | 15         | 23095 | 707.5       | 1       | Low      | 0.09             | 0.153               | 23.89             | 25.50                 | 1.449          | 0.222                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23095 | 707.5       | 1       | Low      | 0.02             | 0.180               | 23.89             | 25.50                 | 1.449          | 0.261                 | /         |
|           | DSI2            |      | Front Side  | 15         | 23095 | 707.5       | 25      | Mid      | -0.11            | 0.128               | 22.89             | 24.50                 | 1.449          | 0.185                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23095 | 707.5       | 25      | Mid      | -0.10            | 0.150               | 22.89             | 24.50                 | 1.449          | 0.217                 | /         |
| Ant.0     | DSI2            | QPSK | Front Side  | 15         | 23095 | 707.5       | 1       | Low      | -0.11            | 0.178               | 24.08             | 25.50                 | 1.387          | 0.247                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23095 | 707.5       | 1       | Low      | -0.03            | 0.189               | 24.08             | 25.50                 | 1.387          | 0.262                 | 35#       |
|           | DSI2            |      | Front Side  | 15         | 23095 | 707.5       | 25      | Mid      | 0.12             | 0.149               | 23.05             | 24.50                 | 1.396          | 0.208                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23095 | 707.5       | 25      | Mid      | -0.11            | 0.161               | 23.05             | 24.50                 | 1.396          | 0.225                 | /         |
| Hotspot   |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI5            | QPSK | Front Side  | 10         | 23095 | 707.5       | 1       | Low      | -0.07            | 0.272               | 23.89             | 25.50                 | 1.449          | 0.394                 | /         |
|           | DSI5            |      | Back Side   | 10         | 23095 | 707.5       | 1       | Low      | 0.10             | 0.312               | 23.89             | 25.50                 | 1.449          | 0.452                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 23095 | 707.5       | 1       | Low      | -0.01            | 0.667               | 23.89             | 25.50                 | 1.449          | 0.966                 | 36#       |
|           | DSI5            |      | Top Edge    | 10         | 23095 | 707.5       | 1       | Low      | -0.02            | 0.010               | 23.89             | 25.50                 | 1.449          | 0.014                 | /         |
|           | DSI5            |      | Front Side  | 10         | 23095 | 707.5       | 25      | Mid      | 0.09             | 0.230               | 22.89             | 24.50                 | 1.449          | 0.333                 | /         |

|       |      |      |             |    |       |       |    |     |       |       |       |       |       |       |   |
|-------|------|------|-------------|----|-------|-------|----|-----|-------|-------|-------|-------|-------|-------|---|
|       | DSI5 |      | Back Side   | 10 | 23095 | 707.5 | 25 | Mid | 0.08  | 0.259 | 22.89 | 24.50 | 1.449 | 0.375 | / |
|       | DSI5 |      | Left Edge   | 10 | 23095 | 707.5 | 25 | Mid | 0.08  | 0.492 | 22.89 | 24.50 | 1.449 | 0.713 | / |
|       | DSI5 |      | Top Edge    | 10 | 23095 | 707.5 | 25 | Mid | -0.10 | 0.008 | 22.89 | 24.50 | 1.449 | 0.012 | / |
|       | DSI5 |      | Left Edge   | 10 | 23060 | 704   | 1  | Low | 0.00  | 0.570 | 23.87 | 25.50 | 1.455 | 0.829 | / |
|       | DSI5 |      | Left Edge   | 10 | 23130 | 711   | 1  | Low | -0.01 | 0.624 | 23.87 | 25.50 | 1.455 | 0.908 | / |
|       | DSI5 |      | Left Edge   | 10 | 23060 | 704   | 25 | Mid | 0.07  | 0.493 | 22.86 | 24.50 | 1.459 | 0.719 | / |
|       | DSI5 |      | Left Edge   | 10 | 23130 | 711   | 25 | Mid | 0.11  | 0.489 | 22.88 | 24.50 | 1.452 | 0.710 | / |
|       | DSI5 |      | Left Edge   | 10 | 23060 | 704   | 50 | Low | -0.01 | 0.485 | 22.92 | 24.50 | 1.439 | 0.698 | / |
| Ant.0 | DSI5 | QPSK | Front Side  | 10 | 23095 | 707.5 | 1  | Low | 0.14  | 0.244 | 24.08 | 25.50 | 1.387 | 0.338 | / |
|       | DSI5 |      | Back Side   | 10 | 23095 | 707.5 | 1  | Low | 0.11  | 0.326 | 24.08 | 25.50 | 1.387 | 0.452 | / |
|       | DSI5 |      | Left Edge   | 10 | 23095 | 707.5 | 1  | Low | -0.04 | 0.226 | 24.08 | 25.50 | 1.387 | 0.313 | / |
|       | DSI5 |      | Right Edge  | 10 | 23095 | 707.5 | 1  | Low | 0.15  | 0.162 | 24.08 | 25.50 | 1.387 | 0.225 | / |
|       | DSI5 |      | Bottom Edge | 10 | 23095 | 707.5 | 1  | Low | -0.08 | 0.137 | 24.08 | 25.50 | 1.387 | 0.190 | / |
|       | DSI5 |      | Front Side  | 10 | 23095 | 707.5 | 25 | Mid | 0.08  | 0.197 | 23.05 | 24.50 | 1.396 | 0.275 | / |
|       | DSI5 |      | Back Side   | 10 | 23095 | 707.5 | 25 | Mid | -0.13 | 0.269 | 23.05 | 24.50 | 1.396 | 0.376 | / |
|       | DSI5 |      | Left Edge   | 10 | 23095 | 707.5 | 25 | Mid | 0.02  | 0.174 | 23.05 | 24.50 | 1.396 | 0.243 | / |
|       | DSI5 |      | Right Edge  | 10 | 23095 | 707.5 | 25 | Mid | -0.10 | 0.131 | 23.05 | 24.50 | 1.396 | 0.183 | / |
|       | DSI5 |      | Bottom Edge | 10 | 23095 | 707.5 | 25 | Mid | -0.13 | 0.122 | 23.05 | 24.50 | 1.396 | 0.170 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.12 LTE Band 13 (10MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI1            | QPSK | Left Cheek  | 0          | 23230 | 782         | 1       | Low      | -0.01            | 0.767               | 24.07             | 25.50                 | 1.390          | 1.066                 | 37#       |
|           | DSI1            |      | Left Tilt   | 0          | 23230 | 782         | 1       | Low      | -0.09            | 0.101               | 24.07             | 25.50                 | 1.390          | 0.140                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23230 | 782         | 1       | Low      | 0.07             | 0.444               | 24.07             | 25.50                 | 1.390          | 0.617                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23230 | 782         | 1       | Low      | -0.02            | 0.077               | 24.07             | 25.50                 | 1.390          | 0.107                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23230 | 782         | 25      | High     | -0.12            | 0.668               | 23.03             | 24.50                 | 1.403          | 0.937                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23230 | 782         | 25      | High     | 0.08             | 0.078               | 23.03             | 24.50                 | 1.403          | 0.109                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23230 | 782         | 25      | High     | 0.01             | 0.352               | 23.03             | 24.50                 | 1.403          | 0.494                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23230 | 782         | 25      | High     | -0.13            | 0.061               | 23.03             | 24.50                 | 1.403          | 0.086                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23230 | 782         | 50      | Low      | 0.04             | 0.670               | 22.96             | 24.50                 | 1.426          | 0.955                 | /         |
| Ant.0     | DSI1            | QPSK | Left Cheek  | 0          | 23230 | 782         | 1       | Mid      | 0.07             | 0.179               | 24.22             | 25.50                 | 1.343          | 0.240                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23230 | 782         | 1       | Mid      | 0.14             | 0.121               | 24.22             | 25.50                 | 1.343          | 0.163                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23230 | 782         | 1       | Mid      | -0.11            | 0.138               | 24.22             | 25.50                 | 1.343          | 0.185                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23230 | 782         | 1       | Mid      | 0.03             | 0.095               | 24.22             | 25.50                 | 1.343          | 0.128                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23230 | 782         | 25      | Low      | 0.11             | 0.146               | 23.17             | 24.50                 | 1.358          | 0.198                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23230 | 782         | 25      | Low      | 0.00             | 0.094               | 23.17             | 24.50                 | 1.358          | 0.128                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23230 | 782         | 25      | Low      | -0.09            | 0.112               | 23.17             | 24.50                 | 1.358          | 0.152                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23230 | 782         | 25      | Low      | -0.06            | 0.074               | 23.17             | 24.50                 | 1.358          | 0.100                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI2            | QPSK | Front Side  | 15         | 23230 | 782         | 1       | Low      | 0.11             | 0.185               | 24.07             | 25.50                 | 1.390          | 0.257                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23230 | 782         | 1       | Low      | -0.01            | 0.212               | 24.07             | 25.50                 | 1.390          | 0.295                 | /         |
|           | DSI2            |      | Front Side  | 15         | 23230 | 782         | 25      | High     | -0.04            | 0.147               | 23.03             | 24.50                 | 1.403          | 0.206                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23230 | 782         | 25      | High     | 0.12             | 0.170               | 23.03             | 24.50                 | 1.403          | 0.239                 | /         |
| Ant.0     | DSI2            | QPSK | Front Side  | 15         | 23230 | 782         | 1       | Mid      | 0.13             | 0.209               | 24.22             | 25.50                 | 1.343          | 0.281                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23230 | 782         | 1       | Mid      | -0.01            | 0.265               | 24.22             | 25.50                 | 1.343          | 0.356                 | 38#       |
|           | DSI2            |      | Front Side  | 15         | 23230 | 782         | 25      | Low      | 0.07             | 0.165               | 23.17             | 24.50                 | 1.358          | 0.224                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23230 | 782         | 25      | Low      | -0.02            | 0.193               | 23.17             | 24.50                 | 1.358          | 0.262                 | /         |
| Hotspot   |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI5            | QPSK | Front Side  | 10         | 23230 | 782         | 1       | Low      | 0.06             | 0.316               | 24.07             | 25.50                 | 1.390          | 0.439                 | /         |
|           | DSI5            |      | Back Side   | 10         | 23230 | 782         | 1       | Low      | -0.06            | 0.381               | 24.07             | 25.50                 | 1.390          | 0.530                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 23230 | 782         | 1       | Low      | 0.01             | 0.609               | 24.07             | 25.50                 | 1.390          | 0.847                 | 39#       |
|           | DSI5            |      | Top Edge    | 10         | 23230 | 782         | 1       | Low      | 0.09             | 0.009               | 24.07             | 25.50                 | 1.390          | 0.013                 | /         |
|           | DSI5            |      | Front Side  | 10         | 23230 | 782         | 25      | Low      | 0.06             | 0.258               | 23.03             | 24.50                 | 1.403          | 0.362                 | /         |
|           | DSI5            |      | Back Side   | 10         | 23230 | 782         | 25      | Low      | -0.06            | 0.298               | 23.03             | 24.50                 | 1.403          | 0.418                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 23230 | 782         | 25      | Low      | 0.09             | 0.494               | 23.03             | 24.50                 | 1.403          | 0.693                 | /         |
|           | DSI5            |      | Top Edge    | 10         | 23230 | 782         | 25      | Low      | -0.08            | 0.007               | 23.03             | 24.50                 | 1.403          | 0.010                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 23230 | 782         | 50      | Low      | 0.15             | 0.503               | 23.03             | 24.50                 | 1.403          | 0.706                 | /         |

|                                                                                |      |      |             |    |       |     |    |     |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|------|-------------|----|-------|-----|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.0                                                                          | DSI5 | QPSK | Front Side  | 10 | 23230 | 782 | 1  | Mid | -0.09 | 0.275 | 24.22 | 25.50 | 1.343 | 0.369 | / |
|                                                                                | DSI5 |      | Back Side   | 10 | 23230 | 782 | 1  | Mid | -0.08 | 0.380 | 24.22 | 25.50 | 1.343 | 0.510 | / |
|                                                                                | DSI5 |      | Left Edge   | 10 | 23230 | 782 | 1  | Mid | 0.15  | 0.244 | 24.22 | 25.50 | 1.343 | 0.328 | / |
|                                                                                | DSI5 |      | Right Edge  | 10 | 23230 | 782 | 1  | Mid | 0.12  | 0.173 | 24.22 | 25.50 | 1.343 | 0.232 | / |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 23230 | 782 | 1  | c   | 0.13  | 0.188 | 24.22 | 25.50 | 1.343 | 0.252 | / |
|                                                                                | DSI5 |      | Front Side  | 10 | 23230 | 782 | 25 | Low | 0.10  | 0.222 | 23.17 | 24.50 | 1.358 | 0.301 | / |
|                                                                                | DSI5 |      | Back Side   | 10 | 23230 | 782 | 25 | Low | -0.06 | 0.316 | 23.17 | 24.50 | 1.358 | 0.429 | / |
|                                                                                | DSI5 |      | Left Edge   | 10 | 23230 | 782 | 25 | Low | -0.10 | 0.194 | 23.17 | 24.50 | 1.358 | 0.263 | / |
|                                                                                | DSI5 |      | Right Edge  | 10 | 23230 | 782 | 25 | Low | -0.14 | 0.133 | 23.17 | 24.50 | 1.358 | 0.181 | / |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 23230 | 782 | 25 | Low | -0.02 | 0.152 | 23.17 | 24.50 | 1.358 | 0.206 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |      |             |    |       |     |    |     |       |       |       |       |       |       |   |

### 11.13 LTE Band 17 (10MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI1            | QPSK | Left Cheek  | 0          | 23790 | 710         | 1       | Low      | 0.03             | 0.735               | 23.93             | 25.50                 | 1.435          | 1.055                 | 40#       |
|           | DSI1            |      | Left Tilt   | 0          | 23790 | 710         | 1       | Low      | -0.09            | 0.081               | 23.93             | 25.50                 | 1.435          | 0.116                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23790 | 710         | 1       | Low      | 0.12             | 0.427               | 23.93             | 25.50                 | 1.435          | 0.613                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23790 | 710         | 1       | Low      | -0.02            | 0.074               | 23.93             | 25.50                 | 1.435          | 0.106                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23790 | 710         | 25      | High     | 0.09             | 0.581               | 22.92             | 24.50                 | 1.439          | 0.836                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23790 | 710         | 25      | High     | 0.13             | 0.068               | 22.92             | 24.50                 | 1.439          | 0.098                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23790 | 710         | 25      | High     | 0.08             | 0.350               | 22.92             | 24.50                 | 1.439          | 0.504                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23790 | 710         | 25      | High     | 0.08             | 0.060               | 22.92             | 24.50                 | 1.439          | 0.086                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23780 | 709         | 1       | Mid      | 0.11             | 0.685               | 23.87             | 25.50                 | 1.455          | 0.997                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23800 | 711         | 1       | Low      | -0.03            | 0.721               | 23.92             | 25.50                 | 1.439          | 1.038                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23780 | 709         | 25      | Mid      | -0.10            | 0.575               | 22.89             | 24.50                 | 1.449          | 0.833                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23800 | 711         | 25      | Mid      | 0.01             | 0.594               | 22.91             | 24.50                 | 1.442          | 0.857                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23790 | 710         | 50      | Low      | -0.02            | 0.592               | 22.82             | 24.50                 | 1.472          | 0.871                 | /         |
| Ant.0     | DSI1            | QPSK | Left Cheek  | 0          | 23790 | 710         | 1       | Low      | -0.06            | 0.126               | 24.08             | 25.50                 | 1.387          | 0.175                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23790 | 710         | 1       | Low      | 0.08             | 0.074               | 24.08             | 25.50                 | 1.387          | 0.103                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23790 | 710         | 1       | Low      | -0.05            | 0.097               | 24.08             | 25.50                 | 1.387          | 0.135                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23790 | 710         | 1       | Low      | -0.14            | 0.058               | 24.08             | 25.50                 | 1.387          | 0.080                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 23800 | 711         | 25      | Mid      | -0.12            | 0.101               | 23.10             | 24.50                 | 1.380          | 0.139                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 23800 | 711         | 25      | Mid      | -0.07            | 0.060               | 23.10             | 24.50                 | 1.380          | 0.083                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 23800 | 711         | 25      | Mid      | 0.14             | 0.078               | 23.10             | 24.50                 | 1.380          | 0.108                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 23800 | 711         | 25      | Mid      | -0.06            | 0.047               | 23.10             | 24.50                 | 1.380          | 0.065                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI2            | QPSK | Front Side  | 15         | 23790 | 710         | 1       | Low      | -0.09            | 0.158               | 23.93             | 25.50                 | 1.435          | 0.227                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23790 | 710         | 1       | Low      | -0.12            | 0.184               | 23.93             | 25.50                 | 1.435          | 0.264                 | /         |
|           | DSI2            |      | Front Side  | 15         | 23790 | 710         | 25      | High     | 0.00             | 0.129               | 22.92             | 24.50                 | 1.439          | 0.186                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23790 | 710         | 25      | High     | -0.02            | 0.148               | 22.92             | 24.50                 | 1.439          | 0.213                 | /         |
| Ant.0     | DSI2            | QPSK | Front Side  | 15         | 23790 | 710         | 1       | Low      | 0.10             | 0.189               | 24.08             | 25.50                 | 1.387          | 0.262                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23790 | 710         | 1       | Low      | -0.17            | 0.197               | 24.08             | 25.50                 | 1.387          | 0.273                 | 41#       |
|           | DSI2            |      | Front Side  | 15         | 23800 | 711         | 25      | Mid      | 0.12             | 0.154               | 23.10             | 24.50                 | 1.380          | 0.213                 | /         |
|           | DSI2            |      | Back Side   | 15         | 23800 | 711         | 25      | Mid      | 0.07             | 0.162               | 23.10             | 24.50                 | 1.380          | 0.224                 | /         |
| Hotspot   |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI5            | QPSK | Front Side  | 10         | 23790 | 710         | 1       | Low      | 0.01             | 0.295               | 23.93             | 25.50                 | 1.435          | 0.423                 | /         |
|           | DSI5            |      | Back Side   | 10         | 23790 | 710         | 1       | Low      | 0.06             | 0.324               | 23.93             | 25.50                 | 1.435          | 0.465                 | /         |
|           | DSI5            |      | Left Edge   | 10         | 23790 | 710         | 1       | Low      | -0.02            | 0.678               | 23.93             | 25.50                 | 1.435          | 0.973                 | 42#       |
|           | DSI5            |      | Top Edge    | 10         | 23790 | 710         | 1       | Low      | 0.10             | 0.014               | 23.93             | 25.50                 | 1.435          | 0.020                 | /         |
|           | DSI5            |      | Front Side  | 10         | 23790 | 710         | 25      | High     | -0.07            | 0.241               | 22.92             | 24.50                 | 1.439          | 0.347                 | /         |

|       |      |      |             |    |       |     |    |      |       |       |       |       |       |       |   |
|-------|------|------|-------------|----|-------|-----|----|------|-------|-------|-------|-------|-------|-------|---|
|       | DSI5 |      | Back Side   | 10 | 23790 | 710 | 25 | High | -0.02 | 0.270 | 22.92 | 24.50 | 1.439 | 0.389 | / |
|       | DSI5 |      | Left Edge   | 10 | 23790 | 710 | 25 | High | 0.13  | 0.514 | 22.92 | 24.50 | 1.439 | 0.740 | / |
|       | DSI5 |      | Top Edge    | 10 | 23790 | 710 | 25 | High | -0.06 | 0.010 | 22.92 | 24.50 | 1.439 | 0.014 | / |
|       | DSI5 |      | Left Edge   | 10 | 23780 | 709 | 1  | Mid  | -0.07 | 0.622 | 23.87 | 25.50 | 1.455 | 0.905 | / |
|       | DSI5 |      | Left Edge   | 10 | 23800 | 711 | 1  | Low  | 0.03  | 0.610 | 23.92 | 25.50 | 1.439 | 0.878 | / |
|       | DSI5 |      | Left Edge   | 10 | 23780 | 709 | 25 | Mid  | -0.11 | 0.499 | 22.89 | 24.50 | 1.449 | 0.723 | / |
|       | DSI5 |      | Left Edge   | 10 | 23800 | 711 | 25 | Mid  | -0.04 | 0.508 | 22.91 | 24.50 | 1.442 | 0.733 | / |
|       | DSI5 |      | Left Edge   | 10 | 23790 | 710 | 50 | Low  | -0.12 | 0.500 | 22.82 | 24.50 | 1.472 | 0.736 | / |
| Ant.0 | DSI5 | QPSK | Front Side  | 10 | 23790 | 710 | 1  | Low  | 0.15  | 0.242 | 24.08 | 25.50 | 1.387 | 0.336 | / |
|       | DSI5 |      | Back Side   | 10 | 23790 | 710 | 1  | Low  | -0.03 | 0.334 | 24.08 | 25.50 | 1.387 | 0.463 | / |
|       | DSI5 |      | Left Edge   | 10 | 23790 | 710 | 1  | Low  | 0.05  | 0.218 | 24.08 | 25.50 | 1.387 | 0.302 | / |
|       | DSI5 |      | Right Edge  | 10 | 23790 | 710 | 1  | Low  | 0.09  | 0.167 | 24.08 | 25.50 | 1.387 | 0.232 | / |
|       | DSI5 |      | Bottom Edge | 10 | 23790 | 710 | 1  | Low  | -0.01 | 0.144 | 24.08 | 25.50 | 1.387 | 0.200 | / |
|       | DSI5 |      | Front Side  | 10 | 23800 | 711 | 25 | Mid  | -0.03 | 0.199 | 23.10 | 24.50 | 1.380 | 0.275 | / |
|       | DSI5 |      | Back Side   | 10 | 23800 | 711 | 25 | Mid  | 0.01  | 0.274 | 23.10 | 24.50 | 1.380 | 0.378 | / |
|       | DSI5 |      | Left Edge   | 10 | 23800 | 711 | 25 | Mid  | -0.03 | 0.171 | 23.10 | 24.50 | 1.380 | 0.236 | / |
|       | DSI5 |      | Right Edge  | 10 | 23800 | 711 | 25 | Mid  | -0.06 | 0.139 | 23.10 | 24.50 | 1.380 | 0.192 | / |
|       | DSI5 |      | Bottom Edge | 10 | 23800 | 711 | 25 | Mid  | 0.02  | 0.119 | 23.10 | 24.50 | 1.380 | 0.164 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.14 LTE Band 26 (15MHz Bandwidth)

| Antenna   | Power Reduction | Mode        | Position    | Dist. (mm) | Ch.        | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-------------|-------------|------------|------------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |             |             |            |            |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI1            | QPSK        | Left Cheek  | 0          | 26865      | 831.5       | 1       | High     | -0.18            | 0.768               | 23.54             | 25.00                 | 1.400          | 1.075                 | 43#       |
|           | DSI1            |             | Left Tilt   | 0          | 26865      | 831.5       | 1       | High     | 0.02             | 0.089               | 23.54             | 25.00                 | 1.400          | 0.125                 | /         |
|           | DSI1            |             | Right Cheek | 0          | 26865      | 831.5       | 1       | High     | 0.12             | 0.431               | 23.54             | 25.00                 | 1.400          | 0.603                 | /         |
|           | DSI1            |             | Right Tilt  | 0          | 26865      | 831.5       | 1       | High     | 0.01             | 0.075               | 23.54             | 25.00                 | 1.400          | 0.105                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26865      | 831.5       | 36      | Low      | -0.13            | 0.655               | 23.15             | 24.50                 | 1.365          | 0.894                 | /         |
|           | DSI1            |             | Left Tilt   | 0          | 26865      | 831.5       | 36      | Low      | 0.04             | 0.071               | 23.15             | 24.50                 | 1.365          | 0.097                 | /         |
|           | DSI1            |             | Right Cheek | 0          | 26865      | 831.5       | 36      | Low      | -0.09            | 0.345               | 23.15             | 24.50                 | 1.365          | 0.471                 | /         |
|           | DSI1            |             | Right Tilt  | 0          | 26865      | 831.5       | 36      | Low      | 0.08             | 0.060               | 23.15             | 24.50                 | 1.365          | 0.082                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26765      | 821.5       | 1       | High     | 0.09             | 0.746               | 23.51             | 25.00                 | 1.409          | 1.051                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26965      | 841.5       | 1       | Low      | 0.11             | 0.742               | 23.51             | 25.00                 | 1.409          | 1.045                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26765      | 821.5       | 36      | Low      | -0.07            | 0.636               | 23.04             | 24.50                 | 1.400          | 0.890                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26965      | 841.5       | 36      | High     | 0.02             | 0.609               | 23.05             | 24.50                 | 1.396          | 0.850                 | /         |
|           | DSI1            |             | Left Cheek  | 0          | 26965      | 841.5       | 75      | Low      | 0.00             | 0.642               | 23.09             | 24.50                 | 1.384          | 0.889                 | /         |
|           | Ant.0           |             | DSI1        | QPSK       | Left Cheek | 0           | 26765   | 821.5    | 1                | Mid                 | -0.05             | 0.191                 | 24.18          | 25.50                 | 1.355     |
| DSI1      |                 | Left Tilt   | 0           |            | 26765      | 821.5       | 1       | Mid      | 0.07             | 0.114               | 24.18             | 25.50                 | 1.355          | 0.154                 | /         |
| DSI1      |                 | Right Cheek | 0           |            | 26765      | 821.5       | 1       | Mid      | -0.14            | 0.147               | 24.18             | 25.50                 | 1.355          | 0.199                 | /         |
| DSI1      |                 | Right Tilt  | 0           |            | 26765      | 821.5       | 1       | Mid      | -0.06            | 0.090               | 24.18             | 25.50                 | 1.355          | 0.122                 | /         |
| DSI1      |                 | Left Cheek  | 0           |            | 26865      | 831.5       | 36      | Mid      | -0.05            | 0.156               | 23.32             | 24.50                 | 1.312          | 0.205                 | /         |
| DSI1      |                 | Left Tilt   | 0           |            | 26865      | 831.5       | 36      | Mid      | 0.15             | 0.091               | 23.32             | 24.50                 | 1.312          | 0.119                 | /         |
| DSI1      |                 | Right Cheek | 0           |            | 26865      | 831.5       | 36      | Mid      | -0.07            | 0.120               | 23.32             | 24.50                 | 1.312          | 0.157                 | /         |
| DSI1      |                 | Right Tilt  | 0           |            | 26865      | 831.5       | 36      | Mid      | -0.03            | 0.072               | 23.32             | 24.50                 | 1.312          | 0.094                 | /         |
| Body-worn |                 |             |             |            |            |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI2            | QPSK        | Front Side  | 15         | 26865      | 831.5       | 1       | High     | -0.05            | 0.165               | 23.54             | 25.00                 | 1.400          | 0.231                 | /         |
|           | DSI2            |             | Back Side   | 15         | 26865      | 831.5       | 1       | High     | -0.16            | 0.181               | 23.54             | 25.00                 | 1.400          | 0.253                 | 44#       |
|           | DSI2            |             | Front Side  | 15         | 26865      | 831.5       | 36      | Low      | 0.10             | 0.134               | 23.15             | 24.50                 | 1.365          | 0.183                 | /         |
|           | DSI2            |             | Back Side   | 15         | 26865      | 831.5       | 36      | Low      | -0.13            | 0.155               | 23.15             | 24.50                 | 1.365          | 0.212                 | /         |
| Ant.0     | DSI2            | QPSK        | Front Side  | 15         | 26865      | 831.5       | 1       | Mid      | 0.14             | 0.158               | 24.18             | 25.50                 | 1.355          | 0.214                 | /         |
|           | DSI2            |             | Back Side   | 15         | 26865      | 831.5       | 1       | Mid      | 0.14             | 0.186               | 24.18             | 25.50                 | 1.355          | 0.252                 | /         |
|           | DSI2            |             | Front Side  | 15         | 26865      | 831.5       | 36      | Mid      | -0.14            | 0.131               | 23.32             | 24.50                 | 1.312          | 0.172                 | /         |
|           | DSI2            |             | Back Side   | 15         | 26865      | 831.5       | 36      | Mid      | -0.14            | 0.150               | 23.32             | 24.50                 | 1.312          | 0.197                 | /         |
| Hotspot   |                 |             |             |            |            |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.1     | DSI5            | QPSK        | Front Side  | 10         | 26865      | 831.5       | 1       | High     | 0.01             | 0.282               | 23.54             | 25.00                 | 1.400          | 0.395                 | /         |
|           | DSI5            |             | Back Side   | 10         | 26865      | 831.5       | 1       | High     | 0.05             | 0.312               | 23.54             | 25.00                 | 1.400          | 0.437                 | /         |
|           | DSI5            |             | Left Edge   | 10         | 26865      | 831.5       | 1       | High     | -0.15            | 0.464               | 23.54             | 25.00                 | 1.400          | 0.650                 | 45#       |
|           | DSI5            |             | Top Edge    | 10         | 26865      | 831.5       | 1       | High     | -0.13            | 0.003               | 23.54             | 25.00                 | 1.400          | 0.004                 | /         |
|           | DSI5            |             | Front Side  | 10         | 26865      | 831.5       | 36      | Low      | -0.10            | 0.226               | 23.15             | 24.50                 | 1.365          | 0.308                 | /         |

|                                                                                |      |      |             |    |       |       |    |     |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|------|-------------|----|-------|-------|----|-----|-------|-------|-------|-------|-------|-------|---|
|                                                                                | DSI5 |      | Back Side   | 10 | 26865 | 831.5 | 36 | Low | 0.06  | 0.252 | 23.15 | 24.50 | 1.365 | 0.344 | / |
|                                                                                | DSI5 |      | Left Edge   | 10 | 26865 | 831.5 | 36 | Low | 0.00  | 0.373 | 23.15 | 24.50 | 1.365 | 0.509 | / |
|                                                                                | DSI5 |      | Top Edge    | 10 | 26865 | 831.5 | 36 | Low | 0.11  | 0.000 | 23.15 | 24.50 | 1.365 | 0.000 | / |
| Ant.0                                                                          | DSI5 | QPSK | Front Side  | 10 | 26865 | 831.5 | 1  | Mid | 0.00  | 0.249 | 24.18 | 25.50 | 1.355 | 0.337 | / |
|                                                                                | DSI5 |      | Back Side   | 10 | 26865 | 831.5 | 1  | Mid | 0.04  | 0.363 | 24.18 | 25.50 | 1.355 | 0.492 | / |
|                                                                                | DSI5 |      | Left Edge   | 10 | 26865 | 831.5 | 1  | Mid | -0.13 | 0.157 | 24.18 | 25.50 | 1.355 | 0.213 | / |
|                                                                                | DSI5 |      | Right Edge  | 10 | 26865 | 831.5 | 1  | Mid | 0.15  | 0.123 | 24.18 | 25.50 | 1.355 | 0.167 | / |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 26865 | 831.5 | 1  | Mid | 0.14  | 0.181 | 24.18 | 25.50 | 1.355 | 0.245 | / |
|                                                                                | DSI5 |      | Front Side  | 10 | 26865 | 831.5 | 36 | Mid | 0.12  | 0.209 | 23.32 | 24.50 | 1.312 | 0.274 | / |
|                                                                                | DSI5 |      | Back Side   | 10 | 26865 | 831.5 | 36 | Mid | 0.13  | 0.301 | 23.32 | 24.50 | 1.312 | 0.395 | / |
|                                                                                | DSI5 |      | Left Edge   | 10 | 26865 | 831.5 | 36 | Mid | 0.12  | 0.124 | 23.32 | 24.50 | 1.312 | 0.163 | / |
|                                                                                | DSI5 |      | Right Edge  | 10 | 26865 | 831.5 | 36 | Mid | 0.14  | 0.096 | 23.32 | 24.50 | 1.312 | 0.126 | / |
|                                                                                | DSI5 |      | Bottom Edge | 10 | 26865 | 831.5 | 36 | Mid | 0.01  | 0.146 | 23.32 | 24.50 | 1.312 | 0.192 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |      |             |    |       |       |    |     |       |       |       |       |       |       |   |

## 11.15 LTE Band 66 (20MHz Bandwidth)

| Antenna | Power Reduction | Mode | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head    |                 |      |             |            |        |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2   | DSI1            | QPSK | Left Cheek  | 0          | 132322 | 1745        | 1       | Low      | -0.03            | 0.379               | 16.15             | 17.50                 | 1.365          | 0.517                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 1       | Low      | 0.11             | 0.425               | 16.15             | 17.50                 | 1.365          | 0.580                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 1       | Low      | -0.04            | 0.639               | 16.15             | 17.50                 | 1.365          | 0.872                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 132322 | 1745        | 1       | Low      | -0.04            | 0.526               | 16.15             | 17.50                 | 1.365          | 0.718                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 132322 | 1745        | 50      | Low      | 0.11             | 0.375               | 16.10             | 17.50                 | 1.380          | 0.518                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 50      | Low      | -0.09            | 0.421               | 16.10             | 17.50                 | 1.380          | 0.581                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 50      | Low      | -0.14            | 0.630               | 16.10             | 17.50                 | 1.380          | 0.869                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 132322 | 1745        | 50      | Low      | 0.09             | 0.521               | 16.10             | 17.50                 | 1.380          | 0.719                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132072 | 1720        | 1       | Low      | 0.07             | 0.620               | 16.08             | 17.50                 | 1.387          | 0.860                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132572 | 1770        | 1       | Low      | -0.07            | 0.625               | 16.10             | 17.50                 | 1.380          | 0.863                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132072 | 1720        | 50      | Low      | -0.02            | 0.623               | 16.08             | 17.50                 | 1.387          | 0.864                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132572 | 1770        | 50      | Low      | -0.01            | 0.619               | 16.05             | 17.50                 | 1.396          | 0.864                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 100     | Low      | -0.02            | 0.611               | 16.03             | 17.50                 | 1.403          | 0.857                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 100     | Low      | -0.02            | 0.611               | 16.03             | 17.50                 | 1.403          | 0.857                 | /         |
| Ant.4   | DSI1            | QPSK | Left Cheek  | 0          | 132322 | 1745        | 1       | Low      | -0.14            | 0.200               | 18.18             | 20.00                 | 1.521          | 0.304                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 1       | Low      | 0.10             | 0.092               | 18.18             | 20.00                 | 1.521          | 0.140                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 1       | Low      | -0.10            | 0.657               | 18.18             | 20.00                 | 1.521          | <b>0.999</b>          | 46#       |
|         | DSI1            |      | Right Tilt  | 0          | 132322 | 1745        | 1       | Low      | 0.06             | 0.228               | 18.18             | 20.00                 | 1.521          | 0.347                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 132322 | 1745        | 50      | Low      | 0.14             | 0.136               | 18.15             | 20.00                 | 1.531          | 0.208                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 50      | Low      | -0.05            | 0.072               | 18.15             | 20.00                 | 1.531          | 0.110                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 50      | Low      | -0.05            | 0.624               | 18.15             | 20.00                 | 1.531          | 0.955                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 132322 | 1745        | 50      | Low      | 0.08             | 0.177               | 18.15             | 20.00                 | 1.531          | 0.271                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132072 | 1720        | 1       | Low      | -0.01            | 0.615               | 18.13             | 20.00                 | 1.538          | 0.946                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132572 | 1770        | 1       | Low      | 0.01             | 0.596               | 18.09             | 20.00                 | 1.552          | 0.925                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132072 | 1720        | 50      | Low      | -0.04            | 0.572               | 18.04             | 20.00                 | 1.570          | 0.898                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132572 | 1770        | 50      | Low      | 0.13             | 0.602               | 18.05             | 20.00                 | 1.567          | 0.943                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 100     | Low      | -0.05            | 0.596               | 18.11             | 20.00                 | 1.545          | 0.921                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 100     | Low      | -0.05            | 0.596               | 18.11             | 20.00                 | 1.545          | 0.921                 | /         |
| Ant.5   | DSI1            | QPSK | Left Cheek  | 0          | 132572 | 1770        | 1       | Low      | -0.06            | 0.315               | 22.55             | 24.00                 | 1.396          | 0.440                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132572 | 1770        | 1       | Low      | 0.04             | 0.074               | 22.55             | 24.00                 | 1.396          | 0.103                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132572 | 1770        | 1       | Low      | -0.07            | 0.158               | 22.55             | 24.00                 | 1.396          | 0.221                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 132572 | 1770        | 1       | Low      | -0.03            | 0.032               | 22.55             | 24.00                 | 1.396          | 0.045                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 132322 | 1745        | 50      | Low      | 0.05             | 0.239               | 21.56             | 23.00                 | 1.393          | 0.333                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 50      | Low      | 0.05             | 0.059               | 21.56             | 23.00                 | 1.393          | 0.082                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 132322 | 1745        | 50      | Low      | 0.13             | 0.121               | 21.56             | 23.00                 | 1.393          | 0.169                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 132322 | 1745        | 50      | Low      | -0.06            | 0.028               | 21.56             | 23.00                 | 1.393          | 0.039                 | /         |
| Ant.3   | DSI1            | QPSK | Left Cheek  | 0          | 132322 | 1745        | 1       | Low      | -0.09            | 0.236               | 24.06             | 25.50                 | 1.393          | 0.329                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 132322 | 1745        | 1       | Low      | 0.01             | 0.080               | 24.06             | 25.50                 | 1.393          | 0.111                 | /         |

|           |      |      |             |    |        |      |     |     |       |       |       |       |       |       |     |
|-----------|------|------|-------------|----|--------|------|-----|-----|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |      | Right Cheek | 0  | 132322 | 1745 | 1   | Low | 0.15  | 0.187 | 24.06 | 25.50 | 1.393 | 0.260 | /   |
|           | DSI1 |      | Right Tilt  | 0  | 132322 | 1745 | 1   | Low | 0.09  | 0.063 | 24.06 | 25.50 | 1.393 | 0.088 | /   |
|           | DSI1 |      | Left Cheek  | 0  | 132322 | 1745 | 50  | Low | 0.13  | 0.184 | 23.29 | 24.50 | 1.321 | 0.243 | /   |
|           | DSI1 |      | Left Tilt   | 0  | 132322 | 1745 | 50  | Low | -0.09 | 0.069 | 23.29 | 24.50 | 1.321 | 0.091 | /   |
|           | DSI1 |      | Right Cheek | 0  | 132322 | 1745 | 50  | Low | 0.10  | 0.146 | 23.29 | 24.50 | 1.321 | 0.193 | /   |
|           | DSI1 |      | Right Tilt  | 0  | 132322 | 1745 | 50  | Low | -0.09 | 0.055 | 23.29 | 24.50 | 1.321 | 0.073 | /   |
| Body-worn |      |      |             |    |        |      |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | QPSK | Front Side  | 15 | 132322 | 1745 | 1   | Low | 0.14  | 0.513 | 24.18 | 25.50 | 1.355 | 0.695 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 1   | Low | -0.17 | 0.645 | 24.18 | 25.50 | 1.355 | 0.874 | 47# |
|           | DSI2 |      | Front Side  | 15 | 132322 | 1745 | 50  | Low | -0.11 | 0.383 | 23.11 | 24.50 | 1.377 | 0.527 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 50  | Low | 0.00  | 0.457 | 23.11 | 24.50 | 1.377 | 0.629 | /   |
|           | DSI2 |      | Back Side   | 15 | 132072 | 1720 | 1   | Mid | -0.06 | 0.610 | 24.14 | 25.50 | 1.368 | 0.834 | /   |
|           | DSI2 |      | Back Side   | 15 | 132572 | 1770 | 1   | Low | 0.08  | 0.608 | 24.15 | 25.50 | 1.365 | 0.830 | /   |
|           | DSI2 |      | Back Side   | 15 | 132072 | 1720 | 50  | Low | -0.06 | 0.588 | 23.07 | 24.50 | 1.390 | 0.817 | /   |
|           | DSI2 |      | Back Side   | 15 | 132572 | 1770 | 50  | Low | 0.08  | 0.525 | 23.09 | 24.50 | 1.384 | 0.727 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 100 | Low | 0.14  | 0.610 | 23.27 | 24.50 | 1.327 | 0.809 | /   |
| Ant.4     | DSI2 | QPSK | Front Side  | 15 | 132322 | 1745 | 1   | Low | -0.13 | 0.118 | 20.69 | 22.50 | 1.517 | 0.179 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 1   | Low | 0.07  | 0.155 | 20.69 | 22.50 | 1.517 | 0.235 | /   |
|           | DSI2 |      | Front Side  | 15 | 132322 | 1745 | 50  | Low | -0.09 | 0.116 | 20.66 | 22.50 | 1.528 | 0.177 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 50  | Low | -0.06 | 0.154 | 20.66 | 22.50 | 1.528 | 0.235 | /   |
| Ant.5     | DSI2 | QPSK | Front Side  | 15 | 132572 | 1770 | 1   | Low | -0.07 | 0.046 | 22.55 | 24.00 | 1.396 | 0.064 | /   |
|           | DSI2 |      | Back Side   | 15 | 132572 | 1770 | 1   | Low | -0.03 | 0.072 | 22.55 | 24.00 | 1.396 | 0.101 | /   |
|           | DSI2 |      | Front Side  | 15 | 132322 | 1745 | 50  | Low | 0.01  | 0.038 | 21.56 | 23.00 | 1.393 | 0.053 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 50  | Low | 0.15  | 0.056 | 21.56 | 23.00 | 1.393 | 0.078 | /   |
| Ant.3     | DSI2 | QPSK | Front Side  | 15 | 132322 | 1745 | 1   | Low | -0.02 | 0.141 | 20.58 | 22.00 | 1.387 | 0.196 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 1   | Low | -0.01 | 0.185 | 20.58 | 22.00 | 1.387 | 0.257 | /   |
|           | DSI2 |      | Front Side  | 15 | 132322 | 1745 | 50  | Low | 0.07  | 0.138 | 20.49 | 22.00 | 1.416 | 0.195 | /   |
|           | DSI2 |      | Back Side   | 15 | 132322 | 1745 | 50  | Low | 0.10  | 0.182 | 20.49 | 22.00 | 1.416 | 0.258 | /   |
| Hotspot   |      |      |             |    |        |      |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | QPSK | Front Side  | 10 | 132322 | 1745 | 1   | Low | 0.12  | 0.221 | 16.15 | 17.50 | 1.365 | 0.302 | /   |
|           | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 1   | Low | 0.10  | 0.054 | 16.15 | 17.50 | 1.365 | 0.074 | /   |
|           | DSI5 |      | Left Edge   | 10 | 132322 | 1745 | 1   | Low | 0.12  | 0.288 | 16.15 | 17.50 | 1.365 | 0.393 | /   |
|           | DSI5 |      | Top Edge    | 10 | 132322 | 1745 | 1   | Low | -0.11 | 0.153 | 16.15 | 17.50 | 1.365 | 0.209 | /   |
|           | DSI5 |      | Front Side  | 10 | 132322 | 1745 | 50  | Low | -0.08 | 0.219 | 16.10 | 17.50 | 1.380 | 0.302 | /   |
|           | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 50  | Low | 0.12  | 0.052 | 16.10 | 17.50 | 1.380 | 0.072 | /   |
|           | DSI5 |      | Left Edge   | 10 | 132322 | 1745 | 50  | Low | -0.06 | 0.286 | 16.10 | 17.50 | 1.380 | 0.395 | /   |
|           | DSI5 |      | Top Edge    | 10 | 132322 | 1745 | 50  | Low | -0.04 | 0.155 | 16.10 | 17.50 | 1.380 | 0.214 | /   |
| Ant.4     | DSI5 | QPSK | Front Side  | 10 | 132322 | 1745 | 1   | Low | -0.06 | 0.154 | 18.18 | 20.00 | 1.521 | 0.234 | /   |
|           | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 1   | Low | -0.05 | 0.213 | 18.18 | 20.00 | 1.521 | 0.324 | /   |
|           | DSI5 |      | Left Edge   | 10 | 132322 | 1745 | 1   | Low | -0.10 | 0.327 | 18.18 | 20.00 | 1.521 | 0.497 | /   |
|           | DSI5 |      | Top Edge    | 10 | 132322 | 1745 | 1   | Low | -0.01 | 0.033 | 18.18 | 20.00 | 1.521 | 0.050 | /   |
|           | DSI5 |      | Front Side  | 10 | 132322 | 1745 | 50  | Low | 0.15  | 0.147 | 18.15 | 20.00 | 1.531 | 0.225 | /   |

|             |      |      |             |    |        |      |     |     |       |       |       |       |       |              |     |
|-------------|------|------|-------------|----|--------|------|-----|-----|-------|-------|-------|-------|-------|--------------|-----|
|             | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 50  | Low | 0.06  | 0.209 | 18.15 | 20.00 | 1.531 | 0.320        | /   |
|             | DSI5 |      | Left Edge   | 10 | 132322 | 1745 | 50  | Low | -0.11 | 0.328 | 18.15 | 20.00 | 1.531 | 0.502        | /   |
|             | DSI5 |      | Top Edge    | 10 | 132322 | 1745 | 50  | Low | 0.14  | 0.032 | 18.15 | 20.00 | 1.531 | 0.049        | /   |
| Ant.5       | DSI5 | QPSK | Front Side  | 10 | 132572 | 1770 | 1   | Low | 0.09  | 0.093 | 22.55 | 24.00 | 1.396 | 0.130        | /   |
|             | DSI5 |      | Back Side   | 10 | 132572 | 1770 | 1   | Low | 0.04  | 0.162 | 22.55 | 24.00 | 1.396 | 0.226        | /   |
|             | DSI5 |      | Right Edge  | 10 | 132572 | 1770 | 1   | Low | -0.06 | 0.214 | 22.55 | 24.00 | 1.396 | 0.299        | /   |
|             | DSI5 |      | Front Side  | 10 | 132322 | 1745 | 50  | Low | 0.00  | 0.074 | 21.56 | 23.00 | 1.393 | 0.103        | /   |
|             | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 50  | Low | 0.05  | 0.126 | 21.56 | 23.00 | 1.393 | 0.176        | /   |
|             | DSI5 |      | Right Edge  | 10 | 132322 | 1745 | 50  | Low | 0.10  | 0.168 | 21.56 | 23.00 | 1.393 | 0.234        | /   |
| Ant.3       | DSI5 | QPSK | Front Side  | 10 | 132322 | 1745 | 1   | Low | 0.07  | 0.268 | 20.58 | 22.00 | 1.387 | 0.372        | /   |
|             | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 1   | Low | -0.01 | 0.356 | 20.58 | 22.00 | 1.387 | 0.494        | /   |
|             | DSI5 |      | Right Edge  | 10 | 132322 | 1745 | 1   | Low | 0.03  | 0.093 | 20.58 | 22.00 | 1.387 | 0.129        | /   |
|             | DSI5 |      | Bottom Edge | 10 | 132322 | 1745 | 1   | Low | -0.11 | 0.488 | 20.58 | 22.00 | 1.387 | <b>0.677</b> | 48# |
|             | DSI5 |      | Front Side  | 10 | 132322 | 1745 | 50  | Low | 0.03  | 0.263 | 20.49 | 22.00 | 1.416 | 0.372        | /   |
|             | DSI5 |      | Back Side   | 10 | 132322 | 1745 | 50  | Low | -0.02 | 0.352 | 20.49 | 22.00 | 1.416 | 0.498        | /   |
|             | DSI5 |      | Right Edge  | 10 | 132322 | 1745 | 50  | Low | -0.01 | 0.088 | 20.49 | 22.00 | 1.416 | 0.125        | /   |
|             | DSI5 |      | Bottom Edge | 10 | 132322 | 1745 | 50  | Low | 0.02  | 0.476 | 20.49 | 22.00 | 1.416 | 0.674        | /   |
| Sensor(N-1) |      |      |             |    |        |      |     |     |       |       |       |       |       |              |     |
| Ant.3       | Off  | QPSK | Front Side  | 15 | 132322 | 1745 | 1   | Low | 0.15  | 0.371 | 24.06 | 25.50 | 1.393 | 0.517        | /   |
|             | Off  |      | Back Side   | 15 | 132322 | 1745 | 1   | Low | -0.10 | 0.513 | 24.06 | 25.50 | 1.393 | 0.715        | /   |
|             | Off  |      | Left Edge   | 15 | 132322 | 1745 | 1   | Low | 0.03  | 0.093 | 24.06 | 25.50 | 1.393 | 0.130        | /   |
|             | Off  |      | Bottom Edge | 15 | 132322 | 1745 | 1   | Low | -0.12 | 0.724 | 24.06 | 25.50 | 1.393 | 1.009        | /   |
|             | Off  |      | Front Side  | 15 | 132322 | 1745 | 50  | Low | 0.02  | 0.291 | 23.29 | 24.50 | 1.321 | 0.384        | /   |
|             | Off  |      | Back Side   | 15 | 132322 | 1745 | 50  | Low | -0.10 | 0.405 | 23.29 | 24.50 | 1.321 | 0.535        | /   |
|             | Off  |      | Left Edge   | 15 | 132322 | 1745 | 50  | Low | 0.12  | 0.072 | 23.29 | 24.50 | 1.321 | 0.095        | /   |
|             | Off  |      | Bottom Edge | 15 | 132322 | 1745 | 50  | Low | 0.00  | 0.571 | 23.29 | 24.50 | 1.321 | 0.754        | /   |
|             | Off  |      | Bottom Edge | 15 | 132072 | 1720 | 1   | Mid | 0.15  | 0.681 | 24.03 | 25.50 | 1.403 | 0.955        | /   |
|             | Off  |      | Bottom Edge | 15 | 132572 | 1770 | 1   | Low | -0.14 | 0.747 | 23.97 | 25.50 | 1.422 | <b>1.062</b> | /   |
|             | Off  |      | Bottom Edge | 15 | 132072 | 1720 | 100 | Low | -0.13 | 0.580 | 23.05 | 24.50 | 1.396 | 0.810        | /   |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |      |             |            |        |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | QPSK | Front Side  | 0          | 132322 | 1745        | 1       | Low      | -0.08            | 1.430                | 20.08             | 21.50                 | 1.387          | 1.983                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 132322 | 1745        | 1       | Low      | -0.05            | 0.792                | 20.08             | 21.50                 | 1.387          | 1.099                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132322 | 1745        | 1       | Low      | -0.06            | 1.530                | 20.08             | 21.50                 | 1.387          | 2.122                  | 49#       |
|                                                                                | DSI3            |      | Front Side  | 0          | 132322 | 1745        | 50      | Low      | 0.03             | 1.410                | 20.05             | 21.50                 | 1.396          | 1.968                  | /         |
|                                                                                | DSI3            |      | Back Side   | 0          | 132322 | 1745        | 50      | Low      | 0.04             | 0.790                | 20.05             | 21.50                 | 1.396          | 1.103                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132322 | 1745        | 50      | Low      | 0.04             | 1.500                | 20.05             | 21.50                 | 1.396          | 2.094                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132072 | 1720        | 1       | Low      | 0.05             | 1.410                | 20.03             | 21.50                 | 1.403          | 1.978                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132572 | 1770        | 1       | Low      | 0.02             | 1.460                | 20.05             | 21.50                 | 1.396          | 2.038                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132072 | 1720        | 50      | Low      | -0.02            | 1.390                | 20.02             | 21.50                 | 1.406          | 1.954                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132572 | 1770        | 50      | Low      | 0.14             | 1.420                | 20.04             | 21.50                 | 1.400          | 1.988                  | /         |
|                                                                                | DSI3            |      | Top Edge    | 0          | 132322 | 1745        | 100     | Low      | 0.15             | 1.410                | 20.01             | 21.50                 | 1.409          | 1.987                  | /         |
| Ant.4                                                                          | DSI2            | QPSK | Left Edge   | 0          | 132322 | 1745        | 1       | Low      | -0.10            | 1.180                | 20.69             | 22.50                 | 1.517          | 1.790                  | /         |
|                                                                                | DSI2            |      | Left Edge   | 0          | 132322 | 1745        | 50      | Low      | 0.13             | 1.210                | 20.66             | 22.50                 | 1.528          | 1.849                  | /         |
| Ant.3                                                                          | DSI2            | QPSK | Front Side  | 0          | 132322 | 1745        | 1       | Low      | 0.12             | 1.150                | 20.58             | 22.00                 | 1.387          | 1.595                  | /         |
|                                                                                | DSI2            |      | Back Side   | 0          | 132322 | 1745        | 1       | Low      | -0.03            | 1.390                | 20.58             | 22.00                 | 1.387          | 1.928                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 132322 | 1745        | 1       | Low      | 0.02             | 1.180                | 20.58             | 22.00                 | 1.387          | 1.637                  | /         |
|                                                                                | DSI2            |      | Front Side  | 0          | 132322 | 1745        | 50      | Low      | 0.11             | 1.110                | 20.49             | 22.00                 | 1.416          | 1.572                  | /         |
|                                                                                | DSI2            |      | Back Side   | 0          | 132322 | 1745        | 50      | Low      | -0.08            | 1.330                | 20.49             | 22.00                 | 1.416          | 1.883                  | /         |
|                                                                                | DSI2            |      | Bottom Edge | 0          | 132322 | 1745        | 50      | Low      | -0.13            | 1.090                | 20.49             | 22.00                 | 1.416          | 1.543                  | /         |
| Sensor(N-1)                                                                    |                 |      |             |            |        |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | Off             | QPSK | Front Side  | 5          | 132322 | 1745        | 1       | Low      | -0.05            | 1.200                | 24.18             | 25.50                 | 1.355          | 1.626                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 132322 | 1745        | 1       | Low      | -0.01            | 1.580                | 24.18             | 25.50                 | 1.355          | 2.141                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 132322 | 1745        | 1       | Low      | 0.13             | 1.760                | 24.18             | 25.50                 | 1.355          | 2.385                  | /         |
|                                                                                | Off             |      | Front Side  | 5          | 132322 | 1745        | 50      | Low      | -0.09            | 0.948                | 23.11             | 24.50                 | 1.377          | 1.305                  | /         |
|                                                                                | Off             |      | Back Side   | 5          | 132322 | 1745        | 50      | Low      | -0.01            | 1.200                | 23.11             | 24.50                 | 1.377          | 1.652                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 132322 | 1745        | 50      | Low      | -0.09            | 1.360                | 23.11             | 24.50                 | 1.377          | 1.873                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 132072 | 1720        | 1       | Mid      | -0.09            | 1.660                | 24.14             | 25.50                 | 1.368          | 2.271                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 132572 | 1770        | 1       | Low      | 0.14             | 1.710                | 24.15             | 25.50                 | 1.365          | 2.334                  | /         |
|                                                                                | Off             |      | Top Edge    | 5          | 132322 | 1745        | 100     | Low      | 0.14             | 1.410                | 23.27             | 24.50                 | 1.327          | 1.871                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |        |             |         |          |                  |                      |                   |                       |                |                        |           |

## 11.16 LTE Band 38 (20MHz Bandwidth)

| Antenna     | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-------------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| <b>Head</b> |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2       | DSI1            | QPSK | Left Cheek  | 0          | 38150 | 2610        | 1       | High     | 0.13             | 0.333               | 17.14             | 18.50                 | 1.368          | 0.456                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38150 | 2610        | 1       | High     | 0.07             | 0.319               | 17.14             | 18.50                 | 1.368          | 0.436                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38150 | 2610        | 1       | High     | -0.11            | 0.677               | 17.14             | 18.50                 | 1.368          | 0.926                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38150 | 2610        | 1       | High     | -0.11            | 0.559               | 17.14             | 18.50                 | 1.368          | 0.765                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 37850 | 2580        | 50      | Mid      | -0.12            | 0.343               | 17.12             | 18.50                 | 1.374          | 0.471                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 37850 | 2580        | 50      | Mid      | 0.03             | 0.328               | 17.12             | 18.50                 | 1.374          | 0.451                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 37850 | 2580        | 50      | Mid      | -0.01            | 0.691               | 17.12             | 18.50                 | 1.374          | 0.949                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 37850 | 2580        | 50      | Mid      | 0.07             | 0.598               | 17.12             | 18.50                 | 1.374          | 0.822                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 37850 | 2580        | 1       | High     | -0.07            | 0.654               | 17.07             | 18.50                 | 1.390          | 0.909                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 1       | High     | -0.02            | 0.678               | 16.99             | 18.50                 | 1.416          | <b>0.960</b>          | 50#       |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 50      | High     | 0.11             | 0.638               | 17.02             | 18.50                 | 1.406          | 0.897                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38150 | 2610        | 50      | High     | 0.15             | 0.624               | 17.08             | 18.50                 | 1.387          | 0.865                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38150 | 2610        | 100     | Low      | 0.09             | 0.620               | 16.97             | 18.50                 | 1.422          | 0.882                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38150 | 2610        | 100     | Low      | 0.09             | 0.620               | 16.97             | 18.50                 | 1.422          | 0.882                 | /         |
| Ant.4       | DSI1            | QPSK | Left Cheek  | 0          | 38000 | 2595        | 1       | Low      | -0.08            | 0.144               | 18.31             | 19.00                 | 1.172          | 0.169                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 1       | Low      | 0.15             | 0.081               | 18.31             | 19.00                 | 1.172          | 0.095                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 1       | Low      | -0.05            | 0.488               | 18.31             | 19.00                 | 1.172          | 0.572                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38000 | 2595        | 1       | Low      | -0.14            | 0.132               | 18.31             | 19.00                 | 1.172          | 0.155                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 38000 | 2595        | 50      | Low      | 0.10             | 0.115               | 18.34             | 19.00                 | 1.164          | 0.134                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 50      | Low      | 0.00             | 0.071               | 18.34             | 19.00                 | 1.164          | 0.083                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 50      | Low      | 0.09             | 0.421               | 18.34             | 19.00                 | 1.164          | 0.490                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38000 | 2595        | 50      | Low      | 0.12             | 0.153               | 18.34             | 19.00                 | 1.164          | 0.178                 | /         |
| Ant.5       | DSI1            | QPSK | Left Cheek  | 0          | 38000 | 2595        | 1       | Low      | 0.07             | 0.407               | 21.12             | 22.00                 | 1.225          | 0.499                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 1       | Low      | 0.03             | 0.140               | 21.12             | 22.00                 | 1.225          | 0.172                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 1       | Low      | 0.04             | 0.342               | 21.12             | 22.00                 | 1.225          | 0.419                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38000 | 2595        | 1       | Low      | 0.01             | 0.076               | 21.12             | 22.00                 | 1.225          | 0.093                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 38000 | 2595        | 50      | Low      | -0.08            | 0.317               | 19.98             | 21.00                 | 1.265          | 0.401                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 50      | Low      | -0.08            | 0.119               | 19.98             | 21.00                 | 1.265          | 0.151                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 50      | Low      | 0.14             | 0.284               | 19.98             | 21.00                 | 1.265          | 0.359                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38000 | 2595        | 50      | Low      | 0.11             | 0.063               | 19.98             | 21.00                 | 1.265          | 0.080                 | /         |
| Ant.3       | DSI1            | QPSK | Left Cheek  | 0          | 38000 | 2595        | 1       | Low      | -0.03            | 0.096               | 23.41             | 24.00                 | 1.146          | 0.110                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 1       | Low      | 0.08             | 0.045               | 23.41             | 24.00                 | 1.146          | 0.052                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 1       | Low      | -0.06            | 0.088               | 23.41             | 24.00                 | 1.146          | 0.101                 | /         |
|             | DSI1            |      | Right Tilt  | 0          | 38000 | 2595        | 1       | Low      | -0.02            | 0.043               | 23.41             | 24.00                 | 1.146          | 0.049                 | /         |
|             | DSI1            |      | Left Cheek  | 0          | 38000 | 2595        | 50      | Low      | -0.03            | 0.084               | 22.48             | 23.00                 | 1.127          | 0.095                 | /         |
|             | DSI1            |      | Left Tilt   | 0          | 38000 | 2595        | 50      | Low      | -0.08            | 0.037               | 22.48             | 23.00                 | 1.127          | 0.042                 | /         |
|             | DSI1            |      | Right Cheek | 0          | 38000 | 2595        | 50      | Low      | 0.12             | 0.081               | 22.48             | 23.00                 | 1.127          | 0.091                 | /         |

|           |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
|-----------|------|------|------------|----|-------|------|----|------|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |      | Right Tilt | 0  | 38000 | 2595 | 50 | Low  | 0.15  | 0.035 | 22.48 | 23.00 | 1.127 | 0.039 | /   |
| Body-worn |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | QPSK | Front Side | 15 | 38000 | 2595 | 1  | Low  | -0.06 | 0.256 | 23.95 | 25.50 | 1.429 | 0.366 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 1  | Low  | -0.12 | 0.398 | 23.95 | 25.50 | 1.429 | 0.569 | 51# |
|           | DSI2 |      | Front Side | 15 | 38000 | 2595 | 50 | Low  | -0.07 | 0.223 | 22.87 | 24.50 | 1.455 | 0.324 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 50 | Low  | -0.12 | 0.323 | 22.87 | 24.50 | 1.455 | 0.470 | /   |
| Ant.4     | DSI2 | QPSK | Front Side | 15 | 38000 | 2595 | 1  | Low  | 0.03  | 0.055 | 20.32 | 21.00 | 1.169 | 0.064 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 1  | Low  | -0.07 | 0.091 | 20.32 | 21.00 | 1.169 | 0.106 | /   |
|           | DSI2 |      | Front Side | 15 | 38000 | 2595 | 50 | Low  | 0.03  | 0.052 | 20.35 | 21.00 | 1.161 | 0.060 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 50 | Low  | 0.15  | 0.082 | 20.35 | 21.00 | 1.161 | 0.095 | /   |
| Ant.5     | DSI2 | QPSK | Front Side | 15 | 38000 | 2595 | 1  | Low  | 0.07  | 0.024 | 21.12 | 22.00 | 1.225 | 0.029 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 1  | Low  | -0.13 | 0.059 | 21.12 | 22.00 | 1.225 | 0.072 | /   |
|           | DSI2 |      | Front Side | 15 | 38000 | 2595 | 50 | Low  | -0.10 | 0.021 | 19.98 | 21.00 | 1.265 | 0.027 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 50 | Low  | 0.06  | 0.051 | 19.98 | 21.00 | 1.265 | 0.065 | /   |
| Ant.3     | DSI2 | QPSK | Front Side | 15 | 38000 | 2595 | 1  | Low  | -0.13 | 0.171 | 22.33 | 23.00 | 1.167 | 0.200 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 1  | Low  | -0.01 | 0.211 | 22.33 | 23.00 | 1.167 | 0.246 | /   |
|           | DSI2 |      | Front Side | 15 | 38000 | 2595 | 50 | Low  | -0.03 | 0.162 | 22.32 | 23.00 | 1.169 | 0.189 | /   |
|           | DSI2 |      | Back Side  | 15 | 38000 | 2595 | 50 | Low  | 0.10  | 0.205 | 22.32 | 23.00 | 1.169 | 0.240 | /   |
| Hotspot   |      |      |            |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | QPSK | Front Side | 10 | 38000 | 2595 | 1  | Low  | 0.02  | 0.075 | 17.14 | 18.50 | 1.368 | 0.103 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 1  | Low  | -0.07 | 0.116 | 17.14 | 18.50 | 1.368 | 0.159 | /   |
|           | DSI5 |      | Left Edge  | 10 | 38000 | 2595 | 1  | Low  | 0.10  | 0.065 | 17.14 | 18.50 | 1.368 | 0.089 | /   |
|           | DSI5 |      | Top Edge   | 10 | 38000 | 2595 | 1  | Low  | 0.04  | 0.133 | 17.14 | 18.50 | 1.368 | 0.182 | /   |
|           | DSI5 |      | Front Side | 10 | 38000 | 2595 | 50 | Low  | -0.14 | 0.065 | 17.12 | 18.50 | 1.374 | 0.089 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 50 | Low  | 0.02  | 0.102 | 17.12 | 18.50 | 1.374 | 0.140 | /   |
|           | DSI5 |      | Left Edge  | 10 | 38000 | 2595 | 50 | Low  | -0.06 | 0.053 | 17.12 | 18.50 | 1.374 | 0.073 | /   |
|           | DSI5 |      | Top Edge   | 10 | 38000 | 2595 | 50 | Low  | 0.02  | 0.091 | 17.12 | 18.50 | 1.374 | 0.125 | /   |
| Ant.4     | DSI5 | QPSK | Front Side | 10 | 38000 | 2595 | 1  | Low  | 0.09  | 0.075 | 18.31 | 19.00 | 1.172 | 0.088 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 1  | Low  | -0.12 | 0.123 | 18.31 | 19.00 | 1.172 | 0.144 | /   |
|           | DSI5 |      | Left Edge  | 10 | 38000 | 2595 | 1  | Low  | 0.15  | 0.006 | 18.31 | 19.00 | 1.172 | 0.007 | /   |
|           | DSI5 |      | Top Edge   | 10 | 38000 | 2595 | 1  | Low  | -0.02 | 0.041 | 18.31 | 19.00 | 1.172 | 0.048 | /   |
|           | DSI5 |      | Front Side | 10 | 38000 | 2595 | 50 | Low  | 0.07  | 0.065 | 18.34 | 19.00 | 1.164 | 0.076 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 50 | Low  | -0.04 | 0.102 | 18.34 | 19.00 | 1.164 | 0.119 | /   |
|           | DSI5 |      | Left Edge  | 10 | 38000 | 2595 | 50 | Low  | 0.08  | 0.005 | 18.34 | 19.00 | 1.164 | 0.006 | /   |
|           | DSI5 |      | Top Edge   | 10 | 38000 | 2595 | 50 | Low  | 0.13  | 0.032 | 18.34 | 19.00 | 1.164 | 0.037 | /   |
| Ant.5     | DSI5 | QPSK | Front Side | 10 | 38000 | 2595 | 1  | Low  | 0.07  | 0.068 | 21.12 | 22.00 | 1.225 | 0.083 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 1  | Low  | 0.00  | 0.122 | 21.12 | 22.00 | 1.225 | 0.149 | /   |
|           | DSI5 |      | Right Edge | 10 | 38000 | 2595 | 1  | Low  | 0.08  | 0.204 | 21.12 | 22.00 | 1.225 | 0.250 | /   |
|           | DSI5 |      | Front Side | 10 | 38000 | 2595 | 50 | Low  | -0.01 | 0.057 | 19.98 | 21.00 | 1.265 | 0.072 | /   |
|           | DSI5 |      | Back Side  | 10 | 38000 | 2595 | 50 | Low  | -0.02 | 0.106 | 19.98 | 21.00 | 1.265 | 0.134 | /   |
|           | DSI5 |      | Right Edge | 10 | 38000 | 2595 | 50 | Low  | -0.01 | 0.180 | 19.98 | 21.00 | 1.265 | 0.228 | /   |
| Ant.3     | DSI5 | QPSK | Front Side | 10 | 38000 | 2595 | 1  | High | 0.13  | 0.352 | 22.33 | 23.00 | 1.167 | 0.411 | /   |

|  |      |  |             |    |       |      |    |      |       |       |       |       |       |              |     |
|--|------|--|-------------|----|-------|------|----|------|-------|-------|-------|-------|-------|--------------|-----|
|  | DSI5 |  | Back Side   | 10 | 38000 | 2595 | 1  | High | 0.08  | 0.425 | 22.33 | 23.00 | 1.167 | 0.496        | /   |
|  | DSI5 |  | Right Edge  | 10 | 38000 | 2595 | 1  | High | 0.05  | 0.132 | 22.33 | 23.00 | 1.167 | 0.154        | /   |
|  | DSI5 |  | Bottom Edge | 10 | 38000 | 2595 | 1  | High | -0.12 | 0.569 | 22.33 | 23.00 | 1.167 | <b>0.664</b> | 52# |
|  | DSI5 |  | Front Side  | 10 | 38150 | 2610 | 50 | Mid  | -0.04 | 0.347 | 22.32 | 23.00 | 1.169 | 0.406        | /   |
|  | DSI5 |  | Back Side   | 10 | 38150 | 2610 | 50 | Mid  | -0.06 | 0.419 | 22.32 | 23.00 | 1.169 | 0.490        | /   |
|  | DSI5 |  | Right Edge  | 10 | 38150 | 2610 | 50 | Mid  | 0.14  | 0.128 | 22.32 | 23.00 | 1.169 | 0.150        | /   |
|  | DSI5 |  | Bottom Edge | 10 | 38150 | 2610 | 50 | Mid  | -0.09 | 0.538 | 22.32 | 23.00 | 1.169 | 0.629        | /   |

## Sensor(N-1)

|       |     |      |             |    |       |      |    |     |       |       |       |       |       |       |   |
|-------|-----|------|-------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.3 | Off | QPSK | Front Side  | 15 | 38000 | 2595 | 1  | Low | -0.12 | 0.210 | 23.41 | 24.00 | 1.146 | 0.241 | / |
|       | Off |      | Back Side   | 15 | 38000 | 2595 | 1  | Low | 0.11  | 0.283 | 23.41 | 24.00 | 1.146 | 0.324 | / |
|       | Off |      | Left Edge   | 15 | 38000 | 2595 | 1  | Low | 0.07  | 0.044 | 23.41 | 24.00 | 1.146 | 0.050 | / |
|       | Off |      | Bottom Edge | 15 | 38000 | 2595 | 1  | Low | 0.11  | 0.312 | 23.41 | 24.00 | 1.146 | 0.358 | / |
|       | Off |      | Front Side  | 15 | 38000 | 2595 | 50 | Low | -0.08 | 0.164 | 22.48 | 23.00 | 1.127 | 0.185 | / |
|       | Off |      | Back Side   | 15 | 38000 | 2595 | 50 | Low | 0.14  | 0.221 | 22.48 | 23.00 | 1.127 | 0.249 | / |
|       | Off |      | Left Edge   | 15 | 38000 | 2595 | 50 | Low | -0.12 | 0.034 | 22.48 | 23.00 | 1.127 | 0.038 | / |
|       | Off |      | Bottom Edge | 15 | 38000 | 2595 | 50 | Low | 0.01  | 0.243 | 22.48 | 23.00 | 1.127 | 0.274 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna | Power Reduction | Mode | Position | Dist. (mm) | Ch. | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|

## Specific

|       |      |      |            |   |       |      |    |      |       |       |       |       |       |              |     |
|-------|------|------|------------|---|-------|------|----|------|-------|-------|-------|-------|-------|--------------|-----|
| Ant.2 | DSI3 | QPSK | Front Side | 0 | 38000 | 2595 | 1  | High | -0.09 | 0.963 | 20.07 | 21.50 | 1.390 | 1.339        | /   |
|       | DSI3 |      | Back Side  | 0 | 38000 | 2595 | 1  | High | 0.02  | 0.541 | 20.07 | 21.50 | 1.390 | 0.752        | /   |
|       | DSI3 |      | Top Edge   | 0 | 38000 | 2595 | 1  | High | -0.13 | 1.180 | 20.07 | 21.50 | 1.390 | <b>1.640</b> | 53# |
|       | DSI3 |      | Front Side | 0 | 38000 | 2595 | 50 | Mid  | 0.14  | 0.785 | 20.14 | 21.50 | 1.368 | 1.074        | /   |
|       | DSI3 |      | Back Side  | 0 | 38000 | 2595 | 50 | Mid  | 0.05  | 0.422 | 20.14 | 21.50 | 1.368 | 0.577        | /   |
|       | DSI3 |      | Top Edge   | 0 | 38000 | 2595 | 50 | Mid  | -0.05 | 1.090 | 20.14 | 21.50 | 1.368 | 1.491        | /   |

## Sensor(N-1)

|       |     |      |            |   |       |      |    |     |       |       |       |       |       |              |   |
|-------|-----|------|------------|---|-------|------|----|-----|-------|-------|-------|-------|-------|--------------|---|
| Ant.2 | Off | QPSK | Front Side | 5 | 38000 | 2595 | 1  | Low | 0.06  | 0.575 | 23.95 | 25.50 | 1.429 | 0.822        | / |
|       | Off |      | Back Side  | 5 | 38000 | 2595 | 1  | Low | -0.13 | 0.976 | 23.95 | 25.50 | 1.429 | <b>1.395</b> | / |
|       | Off |      | Top Edge   | 5 | 38000 | 2595 | 1  | Low | -0.13 | 0.775 | 23.95 | 25.50 | 1.429 | 1.107        | / |
|       | Off |      | Front Side | 5 | 38000 | 2595 | 50 | Low | -0.08 | 0.475 | 22.87 | 24.50 | 1.455 | 0.691        | / |
|       | Off |      | Back Side  | 5 | 38000 | 2595 | 50 | Low | 0.15  | 0.810 | 22.87 | 24.50 | 1.455 | 1.179        | / |
|       | Off |      | Top Edge   | 5 | 38000 | 2595 | 50 | Low | 0.10  | 0.634 | 22.87 | 24.50 | 1.455 | 0.922        | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.17 LTE Band 38 Worse case for CA Test

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.             | Freq. (MHz)       | RB Num. | RB Start     | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|-----------------|-------------------|---------|--------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| <b>Head-CA</b>                                                                 |                 |      |             |            |                 |                   |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | QPSK | Right Cheek | 0          | 38099<br>+37901 | 2604.9<br>+2585.1 | 1+1     | High<br>+Low | -0.05            | 0.663               | 16.94             | 18.50                 | 1.432          | 0.949                 | /         |
| <b>Body-worn-CA</b>                                                            |                 |      |             |            |                 |                   |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | QPSK | Back Side   | 15         | 38099<br>+37901 | 2604.9<br>+2585.1 | 1+1     | High<br>+Low | -0.06            | 0.371               | 23.82             | 25.50                 | 1.472          | 0.546                 | /         |
| <b>Hotspot-CA</b>                                                              |                 |      |             |            |                 |                   |         |              |                  |                     |                   |                       |                |                       |           |
| Ant.3                                                                          | DSI5            | QPSK | Bottom Edge | 10         | 38099<br>+37901 | 2604.9<br>+2585.1 | 1+1     | High<br>+Low | 0.05             | 0.540               | 22.13             | 23.00                 | 1.222          | 0.660                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |                 |                   |         |              |                  |                     |                   |                       |                |                       |           |

| Antenna                                                                        | Power Reduction | Mode | Position | Dist. (mm) | Ch.             | Freq. (MHz)       | RB Num. | RB Start     | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|----------|------------|-----------------|-------------------|---------|--------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| <b>Specific-CA</b>                                                             |                 |      |          |            |                 |                   |         |              |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | QPSK | Top Edge | 0          | 38099<br>+37901 | 2604.9<br>+2585.1 | 1+1     | High<br>+Low | 0.04             | 1.050                | 19.81             | 21.50                 | 1.476          | 1.550                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |          |            |                 |                   |         |              |                  |                      |                   |                       |                |                        |           |

## 11.18 LTE Band 41 (20MHz Bandwidth)

| Antenna | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head    |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2   | DSI1            | QPSK | Left Cheek  | 0          | 40620 | 2593        | 1       | High     | -0.01            | 0.220               | 17.65             | 19.00                 | 1.365          | 0.300                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 40620 | 2593        | 1       | High     | 0.03             | 0.374               | 17.65             | 19.00                 | 1.365          | 0.511                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40620 | 2593        | 1       | High     | 0.00             | 0.668               | 17.65             | 19.00                 | 1.365          | 0.912                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 40620 | 2593        | 1       | High     | 0.10             | 0.503               | 17.65             | 19.00                 | 1.365          | 0.687                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 40620 | 2593        | 50      | High     | -0.01            | 0.217               | 17.65             | 19.00                 | 1.365          | 0.296                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 40620 | 2593        | 50      | High     | -0.03            | 0.365               | 17.65             | 19.00                 | 1.365          | 0.498                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40620 | 2593        | 50      | High     | 0.11             | 0.650               | 17.65             | 19.00                 | 1.365          | 0.887                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 40620 | 2593        | 50      | High     | -0.05            | 0.492               | 17.65             | 19.00                 | 1.365          | 0.672                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 39750 | 2506        | 1       | High     | 0.15             | 0.617               | 17.56             | 19.00                 | 1.393          | 0.859                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40185 | 2549.5      | 1       | High     | 0.07             | 0.595               | 17.61             | 19.00                 | 1.377          | 0.819                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 41055 | 2636.5      | 1       | High     | -0.05            | 0.694               | 17.56             | 19.00                 | 1.393          | 0.967                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 41490 | 2680        | 1       | Low      | -0.01            | 0.706               | 17.61             | 19.00                 | 1.377          | <b>0.972</b>          | 54#       |
|         | DSI1            |      | Right Cheek | 0          | 39750 | 2506        | 50      | Mid      | 0.01             | 0.618               | 17.46             | 19.00                 | 1.426          | 0.881                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40185 | 2549.5      | 50      | High     | 0.01             | 0.605               | 17.62             | 19.00                 | 1.374          | 0.831                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 41055 | 2636.5      | 50      | High     | 0.09             | 0.703               | 17.60             | 19.00                 | 1.380          | 0.970                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 41490 | 2680        | 50      | High     | -0.07            | 0.695               | 17.56             | 19.00                 | 1.393          | 0.968                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40185 | 2549.5      | 100     | Low      | -0.09            | 0.687               | 17.65             | 19.00                 | 1.365          | 0.938                 | /         |
| Ant.4   | DSI1            | QPSK | Left Cheek  | 0          | 40620 | 2593        | 1       | Low      | -0.07            | 0.133               | 17.65             | 19.00                 | 1.365          | 0.182                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 40620 | 2593        | 1       | Low      | -0.07            | 0.085               | 17.65             | 19.00                 | 1.365          | 0.116                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40620 | 2593        | 1       | Low      | -0.04            | 0.423               | 17.65             | 19.00                 | 1.365          | 0.577                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 40620 | 2593        | 1       | Low      | -0.02            | 0.133               | 17.65             | 19.00                 | 1.365          | 0.182                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 40620 | 2593        | 50      | Low      | 0.12             | 0.121               | 17.65             | 19.00                 | 1.365          | 0.165                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 40620 | 2593        | 50      | Low      | 0.09             | 0.053               | 17.65             | 19.00                 | 1.365          | 0.072                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40620 | 2593        | 50      | Low      | 0.11             | 0.311               | 17.65             | 19.00                 | 1.365          | 0.425                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 40620 | 2593        | 50      | Low      | -0.01            | 0.106               | 17.65             | 19.00                 | 1.365          | 0.145                 | /         |
| Ant.5   | DSI1            | QPSK | Left Cheek  | 0          | 39750 | 2506        | 1       | High     | -0.14            | 0.278               | 20.62             | 22.00                 | 1.374          | 0.382                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 39750 | 2506        | 1       | High     | -0.11            | 0.095               | 20.62             | 22.00                 | 1.374          | 0.131                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 39750 | 2506        | 1       | High     | -0.13            | 0.405               | 20.62             | 22.00                 | 1.374          | 0.556                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 39750 | 2506        | 1       | High     | -0.01            | 0.061               | 20.62             | 22.00                 | 1.374          | 0.084                 | /         |
|         | DSI1            |      | Left Cheek  | 0          | 41490 | 2680        | 50      | Mid      | 0.14             | 0.256               | 19.62             | 21.00                 | 1.374          | 0.352                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 41490 | 2680        | 50      | Mid      | 0.04             | 0.089               | 19.62             | 21.00                 | 1.374          | 0.122                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 41490 | 2680        | 50      | Mid      | 0.05             | 0.370               | 19.62             | 21.00                 | 1.374          | 0.508                 | /         |
|         | DSI1            |      | Right Tilt  | 0          | 41490 | 2680        | 50      | Mid      | 0.02             | 0.054               | 19.62             | 21.00                 | 1.374          | 0.074                 | /         |
| Ant.3   | DSI1            | QPSK | Left Cheek  | 0          | 40620 | 2593        | 1       | Low      | 0.14             | 0.074               | 23.63             | 24.50                 | 1.222          | 0.090                 | /         |
|         | DSI1            |      | Left Tilt   | 0          | 40620 | 2593        | 1       | Low      | 0.12             | 0.059               | 23.63             | 24.50                 | 1.222          | 0.072                 | /         |
|         | DSI1            |      | Right Cheek | 0          | 40620 | 2593        | 1       | Low      | -0.03            | 0.065               | 23.63             | 24.50                 | 1.222          | 0.079                 | /         |

|           |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |
|-----------|------|------|-------------|----|-------|------|----|------|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |      | Right Tilt  | 0  | 40620 | 2593 | 1  | Low  | -0.12 | 0.043 | 23.63 | 24.50 | 1.222 | 0.053 | /   |
|           | DSI1 |      | Left Cheek  | 0  | 39750 | 2506 | 50 | Low  | 0.08  | 0.060 | 22.69 | 23.50 | 1.205 | 0.072 | /   |
|           | DSI1 |      | Left Tilt   | 0  | 39750 | 2506 | 50 | Low  | -0.07 | 0.048 | 22.69 | 23.50 | 1.205 | 0.058 | /   |
|           | DSI1 |      | Right Cheek | 0  | 39750 | 2506 | 50 | Low  | -0.10 | 0.052 | 22.69 | 23.50 | 1.205 | 0.063 | /   |
|           | DSI1 |      | Right Tilt  | 0  | 39750 | 2506 | 50 | Low  | 0.07  | 0.031 | 22.69 | 23.50 | 1.205 | 0.037 | /   |
| Body-worn |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | QPSK | Front Side  | 15 | 40620 | 2593 | 1  | Mid  | 0.01  | 0.266 | 23.48 | 25.00 | 1.419 | 0.377 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 1  | Mid  | -0.11 | 0.368 | 23.48 | 25.00 | 1.419 | 0.522 | 55# |
|           | DSI2 |      | Front Side  | 15 | 40620 | 2593 | 50 | High | 0.07  | 0.234 | 22.51 | 24.00 | 1.409 | 0.330 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 50 | High | -0.10 | 0.312 | 22.51 | 24.00 | 1.409 | 0.440 | /   |
| Ant.4     | DSI2 | QPSK | Front Side  | 15 | 40620 | 2593 | 1  | Mid  | -0.07 | 0.072 | 20.11 | 21.50 | 1.377 | 0.099 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 1  | Mid  | -0.07 | 0.106 | 20.11 | 21.50 | 1.377 | 0.146 | /   |
|           | DSI2 |      | Front Side  | 15 | 40620 | 2593 | 50 | Low  | 0.06  | 0.051 | 20.15 | 21.50 | 1.365 | 0.070 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 50 | Low  | -0.01 | 0.095 | 20.15 | 21.50 | 1.365 | 0.130 | /   |
| Ant.5     | DSI2 | QPSK | Front Side  | 15 | 39750 | 2506 | 1  | High | -0.10 | 0.031 | 20.62 | 22.00 | 1.374 | 0.043 | /   |
|           | DSI2 |      | Back Side   | 15 | 39750 | 2506 | 1  | High | -0.04 | 0.062 | 20.62 | 22.00 | 1.374 | 0.085 | /   |
|           | DSI2 |      | Front Side  | 15 | 41490 | 2680 | 50 | Mid  | 0.06  | 0.025 | 19.62 | 21.00 | 1.374 | 0.034 | /   |
|           | DSI2 |      | Back Side   | 15 | 41490 | 2680 | 50 | Mid  | -0.06 | 0.052 | 19.62 | 21.00 | 1.374 | 0.071 | /   |
| Ant.3     | DSI2 | QPSK | Front Side  | 15 | 40620 | 2593 | 1  | Low  | -0.10 | 0.123 | 21.45 | 22.50 | 1.274 | 0.157 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 1  | Low  | -0.10 | 0.177 | 21.45 | 22.50 | 1.274 | 0.225 | /   |
|           | DSI2 |      | Front Side  | 15 | 40620 | 2593 | 50 | Mid  | 0.09  | 0.114 | 21.44 | 22.50 | 1.276 | 0.145 | /   |
|           | DSI2 |      | Back Side   | 15 | 40620 | 2593 | 50 | Mid  | 0.08  | 0.132 | 21.44 | 22.50 | 1.276 | 0.168 | /   |
| Hotspot   |      |      |             |    |       |      |    |      |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | QPSK | Front Side  | 10 | 40620 | 2593 | 1  | High | 0.06  | 0.122 | 17.65 | 19.00 | 1.365 | 0.167 | /   |
|           | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 1  | High | 0.11  | 0.147 | 17.65 | 19.00 | 1.365 | 0.201 | /   |
|           | DSI5 |      | Left Edge   | 10 | 40620 | 2593 | 1  | High | 0.07  | 0.095 | 17.65 | 19.00 | 1.365 | 0.130 | /   |
|           | DSI5 |      | Top Edge    | 10 | 40620 | 2593 | 1  | High | 0.03  | 0.143 | 17.65 | 19.00 | 1.365 | 0.195 | /   |
|           | DSI5 |      | Front Side  | 10 | 40620 | 2593 | 50 | High | -0.08 | 0.081 | 17.65 | 19.00 | 1.365 | 0.111 | /   |
|           | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 50 | High | 0.00  | 0.132 | 17.65 | 19.00 | 1.365 | 0.180 | /   |
|           | DSI5 |      | Left Edge   | 10 | 40620 | 2593 | 50 | High | -0.10 | 0.074 | 17.65 | 19.00 | 1.365 | 0.101 | /   |
|           | DSI5 |      | Top Edge    | 10 | 40620 | 2593 | 50 | High | 0.09  | 0.122 | 17.65 | 19.00 | 1.365 | 0.167 | /   |
| Ant.4     | DSI5 | QPSK | Front Side  | 10 | 40620 | 2593 | 1  | Low  | -0.12 | 0.081 | 17.65 | 19.00 | 1.365 | 0.111 | /   |
|           | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 1  | Low  | 0.08  | 0.133 | 17.65 | 19.00 | 1.365 | 0.182 | /   |
|           | DSI5 |      | Left Edge   | 10 | 40620 | 2593 | 1  | Low  | 0.07  | 0.156 | 17.65 | 19.00 | 1.365 | 0.213 | /   |
|           | DSI5 |      | Top Edge    | 10 | 40620 | 2593 | 1  | Low  | 0.08  | 0.041 | 17.65 | 19.00 | 1.365 | 0.056 | /   |
|           | DSI5 |      | Front Side  | 10 | 40620 | 2593 | 50 | Low  | 0.15  | 0.065 | 17.65 | 19.00 | 1.365 | 0.089 | /   |
|           | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 50 | Low  | -0.04 | 0.101 | 17.65 | 19.00 | 1.365 | 0.138 | /   |
|           | DSI5 |      | Left Edge   | 10 | 40620 | 2593 | 50 | Low  | -0.06 | 0.123 | 17.65 | 19.00 | 1.365 | 0.168 | /   |
|           | DSI5 |      | Top Edge    | 10 | 40620 | 2593 | 50 | Low  | -0.02 | 0.031 | 17.65 | 19.00 | 1.365 | 0.042 | /   |
| Ant.5     | DSI5 | QPSK | Front Side  | 10 | 39750 | 2506 | 1  | High | 0.03  | 0.068 | 20.62 | 22.00 | 1.374 | 0.093 | /   |
|           | DSI5 |      | Back Side   | 10 | 39750 | 2506 | 1  | High | 0.14  | 0.126 | 20.62 | 22.00 | 1.374 | 0.173 | /   |
|           | DSI5 |      | Right Edge  | 10 | 39750 | 2506 | 1  | High | -0.09 | 0.188 | 20.62 | 22.00 | 1.374 | 0.258 | /   |

|       |      |      |             |    |       |      |    |     |       |       |       |       |       |              |     |
|-------|------|------|-------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|--------------|-----|
|       | DSI5 |      | Front Side  | 10 | 41490 | 2680 | 50 | Mid | -0.07 | 0.057 | 19.62 | 21.00 | 1.374 | 0.078        | /   |
|       | DSI5 |      | Back Side   | 10 | 41490 | 2680 | 50 | Mid | 0.01  | 0.106 | 19.62 | 21.00 | 1.374 | 0.146        | /   |
|       | DSI5 |      | Right Edge  | 10 | 41490 | 2680 | 50 | Mid | -0.01 | 0.162 | 19.62 | 21.00 | 1.374 | 0.223        | /   |
| Ant.3 | DSI5 | QPSK | Front Side  | 10 | 40620 | 2593 | 1  | Low | 0.11  | 0.350 | 21.45 | 22.50 | 1.274 | 0.446        | /   |
|       | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 1  | Low | 0.09  | 0.433 | 21.45 | 22.50 | 1.274 | 0.552        | /   |
|       | DSI5 |      | Right Edge  | 10 | 40620 | 2593 | 1  | Low | -0.02 | 0.152 | 21.45 | 22.50 | 1.274 | 0.194        | /   |
|       | DSI5 |      | Bottom Edge | 10 | 40620 | 2593 | 1  | Low | -0.19 | 0.470 | 21.45 | 22.50 | 1.274 | <b>0.599</b> | 56# |
|       | DSI5 |      | Front Side  | 10 | 40620 | 2593 | 50 | Mid | 0.12  | 0.348 | 21.44 | 22.50 | 1.276 | 0.444        | /   |
|       | DSI5 |      | Back Side   | 10 | 40620 | 2593 | 50 | Mid | -0.03 | 0.431 | 21.44 | 22.50 | 1.276 | 0.550        | /   |
|       | DSI5 |      | Right Edge  | 10 | 40620 | 2593 | 50 | Mid | 0.10  | 0.150 | 21.44 | 22.50 | 1.276 | 0.191        | /   |
|       | DSI5 |      | Bottom Edge | 10 | 40620 | 2593 | 50 | Mid | -0.13 | 0.461 | 21.44 | 22.50 | 1.276 | 0.588        | /   |

**Sensor(N-1)**

|       |     |      |             |    |       |      |    |     |       |       |       |       |       |       |   |
|-------|-----|------|-------------|----|-------|------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.3 | Off | QPSK | Front Side  | 15 | 40620 | 2593 | 1  | Low | -0.05 | 0.216 | 23.63 | 24.50 | 1.222 | 0.264 | / |
|       | Off |      | Back Side   | 15 | 40620 | 2593 | 1  | Low | -0.09 | 0.291 | 23.63 | 24.50 | 1.222 | 0.356 | / |
|       | Off |      | Left Edge   | 15 | 40620 | 2593 | 1  | Low | -0.01 | 0.005 | 23.63 | 24.50 | 1.222 | 0.006 | / |
|       | Off |      | Bottom Edge | 15 | 40620 | 2593 | 1  | Low | 0.10  | 0.320 | 23.63 | 24.50 | 1.222 | 0.391 | / |
|       | Off |      | Front Side  | 15 | 39750 | 2506 | 50 | Low | 0.12  | 0.171 | 22.69 | 23.50 | 1.205 | 0.206 | / |
|       | Off |      | Back Side   | 15 | 39750 | 2506 | 50 | Low | -0.10 | 0.230 | 22.69 | 23.50 | 1.205 | 0.277 | / |
|       | Off |      | Left Edge   | 15 | 39750 | 2506 | 50 | Low | -0.03 | 0.005 | 22.69 | 23.50 | 1.205 | 0.006 | / |
|       | Off |      | Bottom Edge | 15 | 39750 | 2506 | 50 | Low | -0.04 | 0.256 | 22.69 | 23.50 | 1.205 | 0.308 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna         | Power Reduction | Mode | Position   | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|-----------------|-----------------|------|------------|------------|-------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| <b>Specific</b> |                 |      |            |            |       |             |         |          |                  |                      |                   |                       |                |                        |           |
| Ant.2           | DSI3            | QPSK | Front Side | 0          | 40620 | 2593        | 1       | High     | -0.02            | 0.955                | 19.08             | 20.50                 | 1.387          | 1.325                  | /         |
|                 | DSI3            |      | Back Side  | 0          | 40620 | 2593        | 1       | High     | -0.09            | 0.606                | 19.08             | 20.50                 | 1.387          | 0.841                  | /         |
|                 | DSI3            |      | Top Edge   | 0          | 40620 | 2593        | 1       | High     | -0.17            | 0.971                | 19.08             | 20.50                 | 1.387          | <b>1.347</b>           | 57#       |
|                 | DSI3            |      | Front Side | 0          | 40620 | 2593        | 50      | Mid      | 0.12             | 0.911                | 19.12             | 20.50                 | 1.374          | 1.252                  | /         |
|                 | DSI3            |      | Back Side  | 0          | 40620 | 2593        | 50      | Mid      | -0.03            | 0.596                | 19.12             | 20.50                 | 1.374          | 0.819                  | /         |
|                 | DSI3            |      | Top Edge   | 0          | 40620 | 2593        | 50      | Mid      | 0.00             | 0.941                | 19.12             | 20.50                 | 1.374          | 1.293                  | /         |

**Sensor(N-1)**

|       |     |      |            |   |       |      |    |      |       |       |       |       |       |       |   |
|-------|-----|------|------------|---|-------|------|----|------|-------|-------|-------|-------|-------|-------|---|
| Ant.2 | Off | QPSK | Front Side | 5 | 40620 | 2593 | 1  | Mid  | -0.10 | 0.366 | 23.48 | 25.00 | 1.419 | 0.519 | / |
|       | Off |      | Back Side  | 5 | 40620 | 2593 | 1  | Mid  | 0.09  | 0.647 | 23.48 | 25.00 | 1.419 | 0.918 | / |
|       | Off |      | Top Edge   | 5 | 40620 | 2593 | 1  | Mid  | -0.06 | 0.366 | 23.48 | 25.00 | 1.419 | 0.519 | / |
|       | Off |      | Front Side | 5 | 40620 | 2593 | 50 | High | -0.12 | 0.301 | 22.51 | 24.00 | 1.409 | 0.424 | / |
|       | Off |      | Back Side  | 5 | 40620 | 2593 | 50 | High | 0.11  | 0.540 | 22.51 | 24.00 | 1.409 | 0.761 | / |
|       | Off |      | Top Edge   | 5 | 40620 | 2593 | 50 | High | 0.00  | 0.302 | 22.51 | 24.00 | 1.409 | 0.426 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.19 LTE Band 42 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.6     | DSI1            | QPSK | Left Cheek  | 0          | 42590 | 3500.0      | 1       | Mid      | 0.03             | 0.144               | 14.13             | 15.50                 | 1.371          | 0.197                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 1       | Mid      | 0.01             | 0.171               | 14.13             | 15.50                 | 1.371          | 0.234                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 1       | Mid      | -0.01            | 0.405               | 14.13             | 15.50                 | 1.371          | 0.555                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 1       | Mid      | 0.15             | 0.389               | 14.13             | 15.50                 | 1.371          | 0.533                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 42590 | 3500.0      | 50      | Mid      | -0.09            | 0.133               | 14.15             | 15.50                 | 1.365          | 0.182                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 50      | Mid      | 0.08             | 0.122               | 14.15             | 15.50                 | 1.365          | 0.167                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 50      | Mid      | 0.15             | 0.385               | 14.15             | 15.50                 | 1.365          | 0.526                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 50      | Mid      | 0.07             | 0.306               | 14.15             | 15.50                 | 1.365          | 0.418                 | /         |
| Ant.7     | DSI1            | QPSK | Left Cheek  | 0          | 42590 | 3500.0      | 1       | High     | 0.04             | 0.388               | 16.61             | 18.00                 | 1.377          | 0.534                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 1       | High     | 0.13             | 0.401               | 16.61             | 18.00                 | 1.377          | 0.552                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 1       | High     | -0.05            | 0.256               | 16.61             | 18.00                 | 1.377          | 0.353                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 1       | High     | -0.11            | 0.323               | 16.61             | 18.00                 | 1.377          | 0.445                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 42590 | 3500.0      | 50      | High     | 0.04             | 0.374               | 16.64             | 18.00                 | 1.368          | 0.512                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 50      | High     | -0.10            | 0.395               | 16.64             | 18.00                 | 1.368          | 0.540                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 50      | High     | 0.11             | 0.255               | 16.64             | 18.00                 | 1.368          | 0.349                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 50      | High     | 0.03             | 0.311               | 16.64             | 18.00                 | 1.368          | 0.425                 | /         |
| Ant.8     | DSI1            | QPSK | Left Cheek  | 0          | 42590 | 3500.0      | 1       | Low      | -0.01            | 0.239               | 23.28             | 25.00                 | 1.486          | 0.355                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 1       | Low      | -0.09            | 0.124               | 23.28             | 25.00                 | 1.486          | 0.184                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 1       | Low      | -0.04            | 0.501               | 23.28             | 25.00                 | 1.486          | 0.744                 | 58#       |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 1       | Low      | 0.04             | 0.273               | 23.28             | 25.00                 | 1.486          | 0.406                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 42590 | 3500.0      | 50      | Low      | -0.01            | 0.227               | 22.87             | 24.50                 | 1.455          | 0.330                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 50      | Low      | -0.09            | 0.138               | 22.87             | 24.50                 | 1.455          | 0.201                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 50      | Low      | 0.13             | 0.508               | 22.87             | 24.50                 | 1.455          | 0.739                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 50      | Low      | -0.02            | 0.276               | 22.87             | 24.50                 | 1.455          | 0.402                 | /         |
| Ant.9     | DSI1            | QPSK | Left Cheek  | 0          | 42590 | 3500.0      | 1       | Mid      | 0.12             | 0.485               | 16.13             | 17.50                 | 1.371          | 0.665                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 1       | Mid      | 0.10             | 0.254               | 16.13             | 17.50                 | 1.371          | 0.348                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 1       | Mid      | -0.04            | 0.153               | 16.13             | 17.50                 | 1.371          | 0.210                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 1       | Mid      | -0.04            | 0.106               | 16.13             | 17.50                 | 1.371          | 0.145                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 42590 | 3500.0      | 50      | Low      | 0.02             | 0.477               | 16.14             | 17.50                 | 1.368          | 0.653                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 42590 | 3500.0      | 50      | Low      | -0.10            | 0.241               | 16.14             | 17.50                 | 1.368          | 0.330                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 42590 | 3500.0      | 50      | Low      | 0.14             | 0.144               | 16.14             | 17.50                 | 1.368          | 0.197                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 42590 | 3500.0      | 50      | Low      | 0.01             | 0.095               | 16.14             | 17.50                 | 1.368          | 0.130                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.6     | DSI2            | QPSK | Front Side  | 15         | 42590 | 3500.0      | 1       | High     | -0.09            | 0.066               | 17.64             | 19.00                 | 1.368          | 0.090                 | /         |
|           | DSI2            |      | Back Side   | 15         | 42590 | 3500.0      | 1       | High     | -0.14            | 0.115               | 17.64             | 19.00                 | 1.368          | 0.157                 | /         |
|           | DSI2            |      | Front Side  | 15         | 42590 | 3500.0      | 50      | Mid      | -0.10            | 0.059               | 17.64             | 19.00                 | 1.368          | 0.081                 | /         |

|         |      |      |            |    |       |        |    |      |       |       |       |       |       |              |     |
|---------|------|------|------------|----|-------|--------|----|------|-------|-------|-------|-------|-------|--------------|-----|
|         | DSI2 |      | Back Side  | 15 | 42590 | 3500.0 | 50 | Mid  | -0.08 | 0.103 | 17.64 | 19.00 | 1.368 | 0.141        | /   |
| Ant.7   | DSI2 | QPSK | Front Side | 15 | 42590 | 3500.0 | 1  | Low  | 0.03  | 0.083 | 21.54 | 23.00 | 1.400 | 0.116        | /   |
|         | DSI2 |      | Back Side  | 15 | 42590 | 3500.0 | 1  | Low  | -0.04 | 0.113 | 21.54 | 23.00 | 1.400 | 0.158        | /   |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 50 | Low  | 0.04  | 0.071 | 20.52 | 22.00 | 1.406 | 0.100        | /   |
|         | DSI2 |      | Back Side  | 15 | 42590 | 3500.0 | 50 | Low  | -0.07 | 0.104 | 20.52 | 22.00 | 1.406 | 0.146        | /   |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 1  | Mid  | -0.03 | 0.031 | 21.93 | 23.50 | 1.435 | 0.044        | /   |
| Ant.8   | DSI2 | QPSK | Back Side  | 15 | 42590 | 3500.0 | 1  | Mid  | 0.13  | 0.082 | 21.93 | 23.50 | 1.435 | 0.118        | /   |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 50 | Mid  | 0.11  | 0.022 | 21.93 | 23.50 | 1.435 | 0.032        | /   |
|         | DSI2 |      | Back Side  | 15 | 42590 | 3500.0 | 50 | Mid  | 0.07  | 0.061 | 21.93 | 23.50 | 1.435 | 0.088        | /   |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 1  | High | -0.14 | 0.085 | 19.61 | 21.00 | 1.377 | 0.117        | /   |
| Ant.9   | DSI2 | QPSK | Back Side  | 15 | 42590 | 3500.0 | 1  | High | -0.03 | 0.125 | 19.61 | 21.00 | 1.377 | <b>0.172</b> | 59# |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 50 | Low  | -0.02 | 0.063 | 19.63 | 21.00 | 1.371 | 0.086        | /   |
|         | DSI2 |      | Back Side  | 15 | 42590 | 3500.0 | 50 | Low  | -0.10 | 0.105 | 19.63 | 21.00 | 1.371 | 0.144        | /   |
|         | DSI2 |      | Front Side | 15 | 42590 | 3500.0 | 1  | Mid  | -0.07 | 0.035 | 14.13 | 15.50 | 1.371 | 0.048        | /   |
| Hotspot |      |      |            |    |       |        |    |      |       |       |       |       |       |              |     |
| Ant.6   | DSI5 | QPSK | Back Side  | 10 | 42590 | 3500.0 | 1  | Mid  | 0.02  | 0.104 | 14.13 | 15.50 | 1.371 | 0.143        | /   |
|         | DSI5 |      | Left Edge  | 10 | 42590 | 3500.0 | 1  | Mid  | 0.09  | 0.096 | 14.13 | 15.50 | 1.371 | 0.132        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 1  | Mid  | 0.06  | 0.112 | 14.13 | 15.50 | 1.371 | 0.154        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 50 | Mid  | 0.14  | 0.051 | 14.15 | 15.50 | 1.365 | 0.070        | /   |
|         | DSI5 |      | Back Side  | 10 | 42590 | 3500.0 | 50 | Mid  | 0.15  | 0.088 | 14.15 | 15.50 | 1.365 | 0.120        | /   |
|         | DSI5 |      | Left Edge  | 10 | 42590 | 3500.0 | 50 | Mid  | -0.13 | 0.074 | 14.15 | 15.50 | 1.365 | 0.101        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 50 | Mid  | -0.12 | 0.103 | 14.15 | 15.50 | 1.365 | 0.141        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 1  | High | -0.14 | 0.075 | 16.61 | 18.00 | 1.377 | 0.103        | /   |
| Ant.7   | DSI5 | QPSK | Back Side  | 10 | 42590 | 3500.0 | 1  | High | -0.09 | 0.081 | 16.61 | 18.00 | 1.377 | 0.112        | /   |
|         | DSI5 |      | Right Edge | 10 | 42590 | 3500.0 | 1  | High | -0.08 | 0.035 | 16.61 | 18.00 | 1.377 | 0.048        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 1  | High | 0.06  | 0.117 | 16.61 | 18.00 | 1.377 | <b>0.161</b> | 60# |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 50 | High | 0.13  | 0.062 | 16.64 | 18.00 | 1.368 | 0.085        | /   |
|         | DSI5 |      | Back Side  | 10 | 42590 | 3500.0 | 50 | High | 0.13  | 0.073 | 16.64 | 18.00 | 1.368 | 0.100        | /   |
|         | DSI5 |      | Right Edge | 10 | 42590 | 3500.0 | 50 | High | 0.14  | 0.021 | 16.64 | 18.00 | 1.368 | 0.029        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 50 | High | 0.15  | 0.112 | 16.64 | 18.00 | 1.368 | 0.153        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 1  | Mid  | 0.07  | 0.062 | 21.93 | 23.50 | 1.435 | 0.089        | /   |
| Ant.8   | DSI5 | QPSK | Back Side  | 10 | 42590 | 3500.0 | 1  | Mid  | 0.11  | 0.105 | 21.93 | 23.50 | 1.435 | 0.151        | /   |
|         | DSI5 |      | Left Edge  | 10 | 42590 | 3500.0 | 1  | Mid  | 0.03  | 0.102 | 21.93 | 23.50 | 1.435 | 0.146        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 1  | Mid  | 0.06  | 0.103 | 21.93 | 23.50 | 1.435 | 0.148        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 50 | Mid  | 0.09  | 0.050 | 21.93 | 23.50 | 1.435 | 0.072        | /   |
|         | DSI5 |      | Back Side  | 10 | 42590 | 3500.0 | 50 | Mid  | -0.01 | 0.108 | 21.93 | 23.50 | 1.435 | 0.155        | /   |
|         | DSI5 |      | Left Edge  | 10 | 42590 | 3500.0 | 50 | Mid  | 0.03  | 0.088 | 21.93 | 23.50 | 1.435 | 0.126        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 50 | Mid  | -0.04 | 0.106 | 21.93 | 23.50 | 1.435 | 0.152        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 1  | Mid  | -0.05 | 0.065 | 16.13 | 17.50 | 1.371 | 0.089        | /   |
| Ant.9   | DSI5 | QPSK | Back Side  | 10 | 42590 | 3500.0 | 1  | Mid  | -0.08 | 0.094 | 16.13 | 17.50 | 1.371 | 0.129        | /   |
|         | DSI5 |      | Right Edge | 10 | 42590 | 3500.0 | 1  | Mid  | 0.09  | 0.106 | 16.13 | 17.50 | 1.371 | 0.145        | /   |
|         | DSI5 |      | Top Edge   | 10 | 42590 | 3500.0 | 1  | Mid  | -0.10 | 0.041 | 16.13 | 17.50 | 1.371 | 0.056        | /   |
|         | DSI5 |      | Front Side | 10 | 42590 | 3500.0 | 1  | Mid  | -0.05 | 0.065 | 16.13 | 17.50 | 1.371 | 0.089        | /   |

|  |      |  |            |    |       |        |    |     |       |       |       |       |       |       |   |
|--|------|--|------------|----|-------|--------|----|-----|-------|-------|-------|-------|-------|-------|---|
|  | DSI5 |  | Front Side | 10 | 42590 | 3500.0 | 50 | Low | -0.10 | 0.073 | 16.14 | 17.50 | 1.368 | 0.100 | / |
|  | DSI5 |  | Back Side  | 10 | 42590 | 3500.0 | 50 | Low | 0.00  | 0.116 | 16.14 | 17.50 | 1.368 | 0.159 | / |
|  | DSI5 |  | Right Edge | 10 | 42590 | 3500.0 | 50 | Low | 0.00  | 0.105 | 16.14 | 17.50 | 1.368 | 0.144 | / |
|  | DSI5 |  | Top Edge   | 10 | 42590 | 3500.0 | 50 | Low | 0.12  | 0.038 | 16.14 | 17.50 | 1.368 | 0.052 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna | Power Reduction | Mode | Position | Dist. (mm) | Ch. | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|

Specific

|       |      |      |            |   |       |        |    |      |       |       |       |       |       |       |     |
|-------|------|------|------------|---|-------|--------|----|------|-------|-------|-------|-------|-------|-------|-----|
| Ant.6 | DSI2 | QPSK | Front Side | 0 | 42590 | 3500.0 | 1  | High | 0.03  | 0.355 | 17.64 | 19.00 | 1.368 | 0.486 | /   |
|       | DSI2 |      | Back Side  | 0 | 42590 | 3500.0 | 1  | High | -0.04 | 0.434 | 17.64 | 19.00 | 1.368 | 0.594 | /   |
|       | DSI2 |      | Left Edge  | 0 | 42590 | 3500.0 | 1  | High | 0.12  | 0.506 | 17.64 | 19.00 | 1.368 | 0.692 | /   |
|       | DSI2 |      | Top Edge   | 0 | 42590 | 3500.0 | 1  | High | 0.03  | 0.554 | 17.64 | 19.00 | 1.368 | 0.758 | 61# |
|       | DSI2 |      | Front Side | 0 | 42590 | 3500.0 | 50 | Mid  | -0.14 | 0.346 | 17.64 | 19.00 | 1.368 | 0.473 | /   |
|       | DSI2 |      | Back Side  | 0 | 42590 | 3500.0 | 50 | Mid  | 0.05  | 0.430 | 17.64 | 19.00 | 1.368 | 0.588 | /   |
|       | DSI2 |      | Left Edge  | 0 | 42590 | 3500.0 | 50 | Mid  | -0.10 | 0.492 | 17.64 | 19.00 | 1.368 | 0.673 | /   |
|       | DSI2 |      | Top Edge   | 0 | 42590 | 3500.0 | 50 | Mid  | 0.02  | 0.545 | 17.64 | 19.00 | 1.368 | 0.746 | /   |
| Ant.7 | DSI3 | QPSK | Top Edge   | 0 | 42590 | 3500.0 | 1  | Mid  | 0.05  | 0.384 | 19.14 | 20.50 | 1.368 | 0.525 | /   |
|       | DSI3 |      | Top Edge   | 0 | 42590 | 3500.0 | 50 | Low  | 0.02  | 0.406 | 19.15 | 20.50 | 1.365 | 0.554 | /   |

Sensor(N-1)

|       |     |      |            |   |       |        |    |     |       |       |       |       |       |       |   |
|-------|-----|------|------------|---|-------|--------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.7 | Off | QPSK | Front Side | 5 | 42590 | 3500.0 | 1  | Low | -0.03 | 0.242 | 21.54 | 23.00 | 1.400 | 0.339 | / |
|       | Off |      | Back Side  | 5 | 42590 | 3500.0 | 1  | Low | 0.11  | 0.283 | 21.54 | 23.00 | 1.400 | 0.396 | / |
|       | Off |      | Top Edge   | 5 | 42590 | 3500.0 | 1  | Low | 0.02  | 0.546 | 21.54 | 23.00 | 1.400 | 0.764 | / |
|       | Off |      | Front Side | 5 | 42590 | 3500.0 | 50 | Low | -0.14 | 0.196 | 20.52 | 22.00 | 1.406 | 0.276 | / |
|       | Off |      | Back Side  | 5 | 42590 | 3500.0 | 50 | Low | 0.12  | 0.225 | 20.52 | 22.00 | 1.406 | 0.316 | / |
|       | Off |      | Top Edge   | 5 | 42590 | 3500.0 | 50 | Low | -0.09 | 0.428 | 20.52 | 22.00 | 1.406 | 0.602 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.20 LTE Band 48 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head      |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.6     | DSI1            | QPSK | Left Cheek  | 0          | 55990 | 3625.0      | 1       | High     | 0.05             | 0.068               | 14.80             | 15.50                 | 1.175          | 0.080                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 1       | High     | 0.03             | 0.075               | 14.80             | 15.50                 | 1.175          | 0.088                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 1       | High     | 0.10             | 0.386               | 14.80             | 15.50                 | 1.175          | 0.454                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 1       | High     | 0.13             | 0.354               | 14.80             | 15.50                 | 1.175          | 0.416                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 55990 | 3625.0      | 50      | High     | 0.08             | 0.053               | 14.80             | 15.50                 | 1.175          | 0.062                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 50      | High     | 0.03             | 0.063               | 14.80             | 15.50                 | 1.175          | 0.074                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 50      | High     | -0.12            | 0.323               | 14.80             | 15.50                 | 1.175          | 0.380                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 50      | High     | -0.11            | 0.299               | 14.80             | 15.50                 | 1.175          | 0.351                 | /         |
| Ant.7     | DSI1            | QPSK | Left Cheek  | 0          | 55990 | 3625.0      | 1       | Low      | 0.12             | 0.467               | 14.42             | 15.50                 | 1.282          | 0.599                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 1       | Low      | -0.06            | 0.513               | 14.42             | 15.50                 | 1.282          | 0.658                 | 62#       |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 1       | Low      | -0.02            | 0.285               | 14.42             | 15.50                 | 1.282          | 0.365                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 1       | Low      | 0.15             | 0.338               | 14.42             | 15.50                 | 1.282          | 0.433                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 55990 | 3625.0      | 50      | Mid      | -0.04            | 0.462               | 14.37             | 15.50                 | 1.297          | 0.599                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 50      | Mid      | 0.02             | 0.506               | 14.37             | 15.50                 | 1.297          | 0.656                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 50      | Mid      | -0.10            | 0.281               | 14.37             | 15.50                 | 1.297          | 0.364                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 50      | Mid      | -0.15            | 0.339               | 14.37             | 15.50                 | 1.297          | 0.440                 | /         |
| Ant.8     | DSI1            | QPSK | Left Cheek  | 0          | 55990 | 3625.0      | 1       | Low      | 0.10             | 0.125               | 22.23             | 23.50                 | 1.340          | 0.168                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 1       | Low      | 0.15             | 0.081               | 22.23             | 23.50                 | 1.340          | 0.109                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 1       | Low      | 0.15             | 0.247               | 22.23             | 23.50                 | 1.340          | 0.331                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 1       | Low      | -0.14            | 0.138               | 22.23             | 23.50                 | 1.340          | 0.185                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 55990 | 3625.0      | 50      | Low      | -0.04            | 0.089               | 21.34             | 22.50                 | 1.306          | 0.116                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 50      | Low      | 0.13             | 0.064               | 21.34             | 22.50                 | 1.306          | 0.084                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 50      | Low      | 0.01             | 0.196               | 21.34             | 22.50                 | 1.306          | 0.256                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 50      | Low      | -0.09            | 0.105               | 21.34             | 22.50                 | 1.306          | 0.137                 | /         |
| Ant.9     | DSI1            | QPSK | Left Cheek  | 0          | 55990 | 3625.0      | 1       | High     | -0.04            | 0.316               | 15.80             | 17.50                 | 1.479          | 0.467                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 1       | High     | -0.07            | 0.188               | 15.80             | 17.50                 | 1.479          | 0.278                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 1       | High     | -0.01            | 0.102               | 15.80             | 17.50                 | 1.479          | 0.151                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 1       | High     | 0.13             | 0.071               | 15.80             | 17.50                 | 1.479          | 0.105                 | /         |
|           | DSI1            |      | Left Cheek  | 0          | 55990 | 3625.0      | 50      | Mid      | 0.07             | 0.263               | 15.78             | 17.50                 | 1.486          | 0.391                 | /         |
|           | DSI1            |      | Left Tilt   | 0          | 55990 | 3625.0      | 50      | Mid      | -0.01            | 0.152               | 15.78             | 17.50                 | 1.486          | 0.226                 | /         |
|           | DSI1            |      | Right Cheek | 0          | 55990 | 3625.0      | 50      | Mid      | 0.14             | 0.085               | 15.78             | 17.50                 | 1.486          | 0.126                 | /         |
|           | DSI1            |      | Right Tilt  | 0          | 55990 | 3625.0      | 50      | Mid      | 0.01             | 0.055               | 15.78             | 17.50                 | 1.486          | 0.082                 | /         |
| Body-worn |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.6     | DSI2            | QPSK | Front Side  | 15         | 55990 | 3625.0      | 1       | High     | 0.04             | 0.064               | 19.21             | 20.00                 | 1.199          | 0.077                 | /         |
|           | DSI2            |      | Back Side   | 15         | 55990 | 3625.0      | 1       | High     | -0.07            | 0.123               | 19.21             | 20.00                 | 1.199          | 0.147                 | /         |
|           | DSI2            |      | Front Side  | 15         | 55990 | 3625.0      | 50      | High     | 0.02             | 0.056               | 19.33             | 20.00                 | 1.167          | 0.065                 | /         |

|         |      |      |            |    |       |        |    |      |       |       |       |       |       |              |     |
|---------|------|------|------------|----|-------|--------|----|------|-------|-------|-------|-------|-------|--------------|-----|
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 50 | High | -0.01 | 0.116 | 19.33 | 20.00 | 1.167 | 0.135        | /   |
| Ant.7   | DSI2 | QPSK | Front Side | 15 | 55990 | 3625.0 | 1  | Low  | -0.10 | 0.144 | 19.84 | 21.00 | 1.306 | 0.188        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 1  | Low  | 0.12  | 0.152 | 19.84 | 21.00 | 1.306 | <b>0.199</b> | 63# |
|         | DSI2 |      | Front Side | 15 | 55990 | 3625.0 | 50 | Mid  | -0.06 | 0.132 | 18.75 | 20.00 | 1.334 | 0.176        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 50 | Mid  | 0.06  | 0.122 | 18.75 | 20.00 | 1.334 | 0.163        | /   |
|         | DSI2 |      |            |    |       |        |    |      |       |       |       |       |       |              |     |
| Ant.8   | DSI2 | QPSK | Front Side | 15 | 55990 | 3625.0 | 1  | Low  | 0.07  | 0.023 | 22.23 | 23.50 | 1.340 | 0.031        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 1  | Low  | 0.10  | 0.057 | 22.23 | 23.50 | 1.340 | 0.076        | /   |
|         | DSI2 |      | Front Side | 15 | 55990 | 3625.0 | 50 | Low  | -0.08 | 0.021 | 21.34 | 22.50 | 1.306 | 0.027        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 50 | Low  | -0.10 | 0.043 | 21.34 | 22.50 | 1.306 | 0.056        | /   |
| Ant.9   | DSI2 | QPSK | Front Side | 15 | 55990 | 3625.0 | 1  | Mid  | 0.00  | 0.064 | 19.89 | 21.00 | 1.291 | 0.083        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 1  | Mid  | 0.15  | 0.107 | 19.89 | 21.00 | 1.291 | 0.138        | /   |
|         | DSI2 |      | Front Side | 15 | 55990 | 3625.0 | 50 | Low  | -0.01 | 0.048 | 18.95 | 20.00 | 1.274 | 0.061        | /   |
|         | DSI2 |      | Back Side  | 15 | 55990 | 3625.0 | 50 | Low  | -0.08 | 0.082 | 18.95 | 20.00 | 1.274 | 0.104        | /   |
| Hotspot |      |      |            |    |       |        |    |      |       |       |       |       |       |              |     |
| Ant.6   | DSI5 | QPSK | Front Side | 10 | 55990 | 3625.0 | 1  | High | 0.15  | 0.062 | 14.80 | 15.50 | 1.175 | 0.073        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 1  | High | -0.07 | 0.144 | 14.80 | 15.50 | 1.175 | 0.169        | /   |
|         | DSI5 |      | Left Edge  | 10 | 55990 | 3625.0 | 1  | High | -0.07 | 0.085 | 14.80 | 15.50 | 1.175 | 0.100        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 1  | High | -0.01 | 0.134 | 14.80 | 15.50 | 1.175 | 0.157        | /   |
|         | DSI5 |      | Front Side | 10 | 55990 | 3625.0 | 50 | High | -0.02 | 0.052 | 14.80 | 15.50 | 1.175 | 0.061        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 50 | High | 0.10  | 0.095 | 14.80 | 15.50 | 1.175 | 0.112        | /   |
|         | DSI5 |      | Left Edge  | 10 | 55990 | 3625.0 | 50 | High | -0.11 | 0.074 | 14.80 | 15.50 | 1.175 | 0.087        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 50 | High | -0.12 | 0.093 | 14.80 | 15.50 | 1.175 | 0.109        | /   |
| Ant.7   | DSI5 | QPSK | Front Side | 10 | 55990 | 3625.0 | 1  | Low  | -0.05 | 0.076 | 14.42 | 15.50 | 1.282 | 0.097        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 1  | Low  | -0.14 | 0.062 | 14.42 | 15.50 | 1.282 | 0.079        | /   |
|         | DSI5 |      | Right Edge | 10 | 55990 | 3625.0 | 1  | Low  | -0.05 | 0.023 | 14.42 | 15.50 | 1.282 | 0.029        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 1  | Low  | -0.10 | 0.155 | 14.42 | 15.50 | 1.282 | 0.199        | /   |
|         | DSI5 |      | Front Side | 10 | 55990 | 3625.0 | 50 | Mid  | -0.11 | 0.051 | 14.37 | 15.50 | 1.297 | 0.066        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 50 | Mid  | -0.02 | 0.053 | 14.37 | 15.50 | 1.297 | 0.069        | /   |
|         | DSI5 |      | Right Edge | 10 | 55990 | 3625.0 | 50 | Mid  | -0.10 | 0.012 | 14.37 | 15.50 | 1.297 | 0.016        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 50 | Mid  | 0.10  | 0.126 | 14.37 | 15.50 | 1.297 | 0.163        | /   |
| Ant.8   | DSI5 | QPSK | Front Side | 10 | 55990 | 3625.0 | 1  | Low  | -0.03 | 0.045 | 22.23 | 23.50 | 1.340 | 0.060        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 1  | Low  | 0.04  | 0.185 | 22.23 | 23.50 | 1.340 | <b>0.248</b> | 64# |
|         | DSI5 |      | Left Edge  | 10 | 55990 | 3625.0 | 1  | Low  | 0.13  | 0.121 | 22.23 | 23.50 | 1.340 | 0.162        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 1  | Low  | 0.09  | 0.062 | 22.23 | 23.50 | 1.340 | 0.083        | /   |
|         | DSI5 |      | Front Side | 10 | 55990 | 3625.0 | 50 | Low  | 0.05  | 0.041 | 21.34 | 22.50 | 1.306 | 0.054        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 50 | Low  | 0.03  | 0.147 | 21.34 | 22.50 | 1.306 | 0.192        | /   |
|         | DSI5 |      | Left Edge  | 10 | 55990 | 3625.0 | 50 | Low  | 0.05  | 0.095 | 21.34 | 22.50 | 1.306 | 0.124        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 50 | Low  | -0.09 | 0.046 | 21.34 | 22.50 | 1.306 | 0.060        | /   |
| Ant.9   | DSI5 | QPSK | Front Side | 10 | 55990 | 3625.0 | 1  | High | 0.12  | 0.052 | 15.80 | 17.50 | 1.479 | 0.077        | /   |
|         | DSI5 |      | Back Side  | 10 | 55990 | 3625.0 | 1  | High | 0.15  | 0.093 | 15.80 | 17.50 | 1.479 | 0.138        | /   |
|         | DSI5 |      | Right Edge | 10 | 55990 | 3625.0 | 1  | High | -0.10 | 0.144 | 15.80 | 17.50 | 1.479 | 0.213        | /   |
|         | DSI5 |      | Top Edge   | 10 | 55990 | 3625.0 | 1  | High | -0.06 | 0.035 | 15.80 | 17.50 | 1.479 | 0.052        | /   |

|  |      |  |            |    |       |        |    |     |       |       |       |       |       |       |   |
|--|------|--|------------|----|-------|--------|----|-----|-------|-------|-------|-------|-------|-------|---|
|  | DSI5 |  | Front Side | 10 | 55990 | 3625.0 | 50 | Mid | 0.01  | 0.041 | 15.78 | 17.50 | 1.486 | 0.061 | / |
|  | DSI5 |  | Back Side  | 10 | 55990 | 3625.0 | 50 | Mid | -0.04 | 0.076 | 15.78 | 17.50 | 1.486 | 0.113 | / |
|  | DSI5 |  | Right Edge | 10 | 55990 | 3625.0 | 50 | Mid | -0.05 | 0.111 | 15.78 | 17.50 | 1.486 | 0.165 | / |
|  | DSI5 |  | Top Edge   | 10 | 55990 | 3625.0 | 50 | Mid | 0.10  | 0.023 | 15.78 | 17.50 | 1.486 | 0.034 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna | Power Reduction | Mode | Position | Dist. (mm) | Ch. | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
|---------|-----------------|------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|

Sensor(N-1)

|       |     |      |            |   |       |        |    |     |       |       |       |       |       |       |   |
|-------|-----|------|------------|---|-------|--------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.7 | Off | QPSK | Front Side | 5 | 55990 | 3625.0 | 1  | Low | -0.11 | 0.246 | 19.84 | 21.00 | 1.306 | 0.321 | / |
|       | Off |      | Back Side  | 5 | 55990 | 3625.0 | 1  | Low | 0.09  | 0.221 | 19.84 | 21.00 | 1.306 | 0.289 | / |
|       | Off |      | Top Edge   | 5 | 55990 | 3625.0 | 1  | Low | 0.08  | 0.467 | 19.84 | 21.00 | 1.306 | 0.610 | / |
|       | Off |      | Front Side | 5 | 55990 | 3625.0 | 50 | Mid | -0.11 | 0.195 | 18.75 | 20.00 | 1.334 | 0.260 | / |
|       | Off |      | Back Side  | 5 | 55990 | 3625.0 | 50 | Mid | -0.13 | 0.180 | 18.75 | 20.00 | 1.334 | 0.240 | / |
|       | Off |      | Top Edge   | 5 | 55990 | 3625.0 | 50 | Mid | 0.01  | 0.369 | 18.75 | 20.00 | 1.334 | 0.492 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.21 n2 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 380000 | 1900        | 1       | 53       | -0.08            | 0.362               | 18.45             | 19.00                 | 1.135          | 0.411                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 380000 | 1900        | 1       | 53       | 0.11             | 0.443               | 18.45             | 19.00                 | 1.135          | 0.503                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 380000 | 1900        | 1       | 53       | -0.05            | 0.599               | 18.45             | 19.00                 | 1.135          | 0.680                | 65#       |
|           | DSI1            |                 |             | Right Tilt  | 0          | 380000 | 1900        | 1       | 53       | 0.15             | 0.535               | 18.45             | 19.00                 | 1.135          | 0.607                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 376000 | 1880        | 50      | 28       | 0.07             | 0.314               | 18.67             | 19.00                 | 1.079          | 0.339                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 376000 | 1880        | 50      | 28       | -0.10            | 0.387               | 18.67             | 19.00                 | 1.079          | 0.418                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 376000 | 1880        | 50      | 28       | -0.02            | 0.526               | 18.67             | 19.00                 | 1.079          | 0.568                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 376000 | 1880        | 50      | 28       | -0.08            | 0.466               | 18.67             | 19.00                 | 1.079          | 0.503                | /         |
| Ant.3     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 376000 | 1880        | 1       | 53       | 0.00             | 0.054               | 22.46             | 23.50                 | 1.271          | 0.069                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 376000 | 1880        | 1       | 53       | -0.14            | 0.027               | 22.46             | 23.50                 | 1.271          | 0.034                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 376000 | 1880        | 1       | 53       | -0.06            | 0.041               | 22.46             | 23.50                 | 1.271          | 0.052                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 376000 | 1880        | 1       | 53       | 0.09             | 0.020               | 22.46             | 23.50                 | 1.271          | 0.025                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 376000 | 1880        | 50      | 28       | -0.04            | 0.048               | 22.36             | 23.50                 | 1.300          | 0.062                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 376000 | 1880        | 50      | 28       | -0.12            | 0.024               | 22.36             | 23.50                 | 1.300          | 0.031                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 376000 | 1880        | 50      | 28       | -0.06            | 0.035               | 22.36             | 23.50                 | 1.300          | 0.046                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 376000 | 1880        | 50      | 28       | -0.01            | 0.020               | 22.36             | 23.50                 | 1.300          | 0.026                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 376000 | 1880        | 1       | 53       | -0.10            | 0.201               | 22.89             | 23.50                 | 1.151          | 0.231                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 376000 | 1880        | 1       | 53       | -0.07            | 0.257               | 22.89             | 23.50                 | 1.151          | 0.296                | 66#       |
|           | DSI2            |                 |             | Front Side  | 15         | 376000 | 1880        | 50      | 28       | 0.04             | 0.172               | 22.64             | 23.50                 | 1.219          | 0.210                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 376000 | 1880        | 50      | 28       | 0.07             | 0.236               | 22.64             | 23.50                 | 1.219          | 0.288                | /         |
| Ant.3     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 376000 | 1880        | 1       | 53       | 0.07             | 0.080               | 21.75             | 22.50                 | 1.189          | 0.095                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 376000 | 1880        | 1       | 53       | 0.00             | 0.131               | 21.75             | 22.50                 | 1.189          | 0.156                | /         |
|           | DSI2            |                 |             | Front Side  | 15         | 376000 | 1880        | 50      | 28       | 0.01             | 0.075               | 21.99             | 22.50                 | 1.125          | 0.084                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 376000 | 1880        | 50      | 28       | -0.10            | 0.130               | 21.99             | 22.50                 | 1.125          | 0.146                | /         |
| Hotspot   |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI5            | DFT-s-OFDM BPSK | SA          | Front Side  | 10         | 380000 | 1900        | 1       | 53       | 0.12             | 0.136               | 18.45             | 19.00                 | 1.135          | 0.154                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 380000 | 1900        | 1       | 53       | 0.12             | 0.201               | 18.45             | 19.00                 | 1.135          | 0.228                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 380000 | 1900        | 1       | 53       | 0.01             | 0.066               | 18.45             | 19.00                 | 1.135          | 0.075                | /         |
|           | DSI5            |                 |             | Top Edge    | 10         | 380000 | 1900        | 1       | 53       | 0.14             | 0.271               | 18.45             | 19.00                 | 1.135          | 0.308                | /         |
|           | DSI5            |                 |             | Front Side  | 10         | 376000 | 1880        | 50      | 28       | 0.01             | 0.133               | 18.67             | 19.00                 | 1.079          | 0.144                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 376000 | 1880        | 50      | 28       | -0.02            | 0.196               | 18.67             | 19.00                 | 1.079          | 0.211                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 376000 | 1880        | 50      | 28       | 0.09             | 0.068               | 18.67             | 19.00                 | 1.079          | 0.073                | /         |
|           | DSI5            |                 |             | Top Edge    | 10         | 376000 | 1880        | 50      | 28       | 0.14             | 0.270               | 18.67             | 19.00                 | 1.079          | 0.291                | /         |
| Ant.3     | DSI5            |                 | SA          | Front Side  | 10         | 376000 | 1880        | 1       | 53       | 0.06             | 0.178               | 21.75             | 22.50                 | 1.189          | 0.212                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 376000 | 1880        | 1       | 53       | 0.12             | 0.219               | 21.75             | 22.50                 | 1.189          | 0.260                | /         |

|                                                                                |      |                    |    |             |    |        |      |    |    |       |       |       |       |       |              |     |
|--------------------------------------------------------------------------------|------|--------------------|----|-------------|----|--------|------|----|----|-------|-------|-------|-------|-------|--------------|-----|
|                                                                                | DSI5 | DFT-s-OFDM<br>BPSK |    | Right Edge  | 10 | 376000 | 1880 | 1  | 53 | 0.06  | 0.008 | 21.75 | 22.50 | 1.189 | 0.010        | /   |
|                                                                                | DSI5 |                    |    | Bottom Edge | 10 | 376000 | 1880 | 1  | 53 | -0.02 | 0.541 | 21.75 | 22.50 | 1.189 | <b>0.643</b> | 67# |
|                                                                                | DSI5 |                    |    | Front Side  | 10 | 376000 | 1880 | 50 | 28 | -0.07 | 0.167 | 21.99 | 22.50 | 1.125 | 0.188        | /   |
|                                                                                | DSI5 |                    |    | Back Side   | 10 | 376000 | 1880 | 50 | 28 | -0.04 | 0.219 | 21.99 | 22.50 | 1.125 | 0.246        | /   |
|                                                                                | DSI5 |                    |    | Right Edge  | 10 | 376000 | 1880 | 50 | 28 | 0.09  | 0.008 | 21.99 | 22.50 | 1.125 | 0.009        | /   |
|                                                                                | DSI5 |                    |    | Bottom Edge | 10 | 376000 | 1880 | 50 | 28 | -0.05 | 0.523 | 21.99 | 22.50 | 1.125 | 0.588        | /   |
| Sensor(N-1)                                                                    |      |                    |    |             |    |        |      |    |    |       |       |       |       |       |              |     |
| Ant.3                                                                          | Off  | DFT-s-OFDM<br>BPSK | SA | Front Side  | 15 | 376000 | 1880 | 1  | 53 | 0.05  | 0.123 | 22.46 | 23.50 | 1.271 | 0.156        | /   |
|                                                                                | Off  |                    |    | Back Side   | 15 | 376000 | 1880 | 1  | 53 | -0.06 | 0.218 | 22.46 | 23.50 | 1.271 | 0.277        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 376000 | 1880 | 1  | 53 | 0.10  | 0.004 | 22.46 | 23.50 | 1.271 | 0.005        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 376000 | 1880 | 1  | 53 | 0.15  | 0.336 | 22.46 | 23.50 | 1.271 | 0.427        | /   |
|                                                                                | Off  |                    |    | Front Side  | 15 | 376000 | 1880 | 50 | 28 | -0.06 | 0.121 | 22.36 | 23.50 | 1.300 | 0.157        | /   |
|                                                                                | Off  |                    |    | Back Side   | 15 | 376000 | 1880 | 50 | 28 | 0.06  | 0.203 | 22.36 | 23.50 | 1.300 | 0.264        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 376000 | 1880 | 50 | 28 | 0.11  | 0.004 | 22.36 | 23.50 | 1.300 | 0.005        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 376000 | 1880 | 50 | 28 | 0.01  | 0.319 | 22.36 | 23.50 | 1.300 | 0.415        | /   |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                    |    |             |    |        |      |    |    |       |       |       |       |       |              |     |

| Antenna                                                                        | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific                                                                       |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI3            | DFT-s-OFDM BPSK | SA          | Front Side  | 0          | 372000 | 1860        | 1       | 1        | -0.02            | 1.180                | 20.86             | 21.50                 | 1.159          | 1.368                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 372000 | 1860        | 1       | 1        | -0.17            | 0.585                | 20.86             | 21.50                 | 1.159          | 0.678                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 372000 | 1860        | 1       | 1        | 0.07             | 1.510                | 20.86             | 21.50                 | 1.159          | 1.750                 | /         |
|                                                                                | DSI3            |                 |             | Front Side  | 0          | 376000 | 1880        | 50      | 28       | 0.06             | 1.130                | 21.24             | 21.50                 | 1.062          | 1.200                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 376000 | 1880        | 50      | 28       | 0.02             | 0.579                | 21.24             | 21.50                 | 1.062          | 0.615                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 376000 | 1880        | 50      | 28       | -0.05            | 1.480                | 21.24             | 21.50                 | 1.062          | 1.572                 | /         |
| Ant.3                                                                          | DSI2            | DFT-s-OFDM BPSK | SA          | Bottom Edge | 0          | 376000 | 1880        | 1       | 53       | -0.01            | 1.830                | 21.75             | 22.50                 | 1.189          | 2.176                 | 68#       |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 376000 | 1880        | 50      | 28       | 0.01             | 1.730                | 21.99             | 22.50                 | 1.125          | 1.946                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 372000 | 1860        | 1       | 104      | -0.13            | 1.660                | 21.68             | 22.50                 | 1.208          | 2.005                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 380000 | 1900        | 1       | 53       | -0.06            | 1.750                | 21.73             | 22.50                 | 1.194          | 2.090                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 380000 | 1900        | 100     | 0        | 0.07             | 1.480                | 21.56             | 22.50                 | 1.242          | 1.838                 | /         |
| Sensor(N-1)                                                                    |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | Off             | DFT-s-OFDM BPSK | SA          | Front Side  | 5          | 376000 | 1880        | 1       | 53       | -0.03            | 0.494                | 22.89             | 23.50                 | 1.151          | 0.569                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 376000 | 1880        | 1       | 53       | 0.06             | 0.701                | 22.89             | 23.50                 | 1.151          | 0.807                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 376000 | 1880        | 1       | 53       | 0.14             | 1.170                | 22.89             | 23.50                 | 1.151          | 1.347                 | /         |
|                                                                                | Off             |                 |             | Front Side  | 5          | 376000 | 1880        | 50      | 28       | 0.08             | 0.445                | 22.64             | 23.50                 | 1.219          | 0.542                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 376000 | 1880        | 50      | 28       | -0.11            | 0.630                | 22.64             | 23.50                 | 1.219          | 0.768                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 376000 | 1880        | 50      | 28       | 0.13             | 1.060                | 22.64             | 23.50                 | 1.219          | 1.292                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.22 n5 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 167300 | 836.5       | 1       | 1        | 0.01             | 0.625               | 22.99             | 24.00                 | 1.262          | 0.789                | 69#       |
|           | DSI1            |                 |             | Left Tilt   | 0          | 167300 | 836.5       | 1       | 1        | 0.04             | 0.089               | 22.99             | 24.00                 | 1.262          | 0.112                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 167300 | 836.5       | 1       | 1        | -0.01            | 0.386               | 22.99             | 24.00                 | 1.262          | 0.487                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 167300 | 836.5       | 1       | 1        | 0.05             | 0.063               | 22.99             | 24.00                 | 1.262          | 0.080                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 167800 | 839         | 50      | 28       | -0.13            | 0.618               | 23.19             | 24.00                 | 1.205          | 0.745                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 167800 | 839         | 50      | 28       | 0.14             | 0.089               | 23.19             | 24.00                 | 1.205          | 0.107                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 167800 | 839         | 50      | 28       | 0.06             | 0.369               | 23.19             | 24.00                 | 1.205          | 0.445                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 167800 | 839         | 50      | 28       | 0.10             | 0.061               | 23.19             | 24.00                 | 1.205          | 0.074                | /         |
| Ant.0     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 167800 | 839         | 1       | 1        | 0.00             | 0.185               | 24.89             | 25.50                 | 1.151          | 0.213                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 167800 | 839         | 1       | 1        | -0.09            | 0.121               | 24.89             | 25.50                 | 1.151          | 0.139                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 167800 | 839         | 1       | 1        | -0.06            | 0.156               | 24.89             | 25.50                 | 1.151          | 0.180                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 167800 | 839         | 1       | 1        | -0.09            | 0.093               | 24.89             | 25.50                 | 1.151          | 0.107                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 167800 | 839         | 50      | 28       | -0.08            | 0.183               | 24.88             | 25.50                 | 1.153          | 0.211                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 167800 | 839         | 50      | 28       | -0.02            | 0.120               | 24.88             | 25.50                 | 1.153          | 0.138                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 167800 | 839         | 50      | 28       | -0.11            | 0.152               | 24.88             | 25.50                 | 1.153          | 0.175                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 167800 | 839         | 50      | 28       | -0.02            | 0.091               | 24.88             | 25.50                 | 1.153          | 0.105                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 167300 | 836.5       | 1       | 1        | -0.11            | 0.219               | 24.56             | 25.50                 | 1.242          | 0.272                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 167300 | 836.5       | 1       | 1        | -0.13            | 0.257               | 24.56             | 25.50                 | 1.242          | 0.319                | 70#       |
|           | DSI2            |                 |             | Front Side  | 15         | 167800 | 839         | 50      | 28       | -0.02            | 0.217               | 24.73             | 25.50                 | 1.194          | 0.259                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 167800 | 839         | 50      | 28       | 0.10             | 0.259               | 24.73             | 25.50                 | 1.194          | 0.309                | /         |
| Ant.0     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 167800 | 839         | 1       | 1        | 0.01             | 0.161               | 24.89             | 25.50                 | 1.151          | 0.185                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 167800 | 839         | 1       | 1        | 0.00             | 0.221               | 24.89             | 25.50                 | 1.151          | 0.254                | /         |
|           | DSI2            |                 |             | Front Side  | 15         | 167800 | 839         | 50      | 28       | -0.08            | 0.161               | 24.88             | 25.50                 | 1.153          | 0.186                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 167800 | 839         | 50      | 28       | 0.08             | 0.218               | 24.88             | 25.50                 | 1.153          | 0.251                | /         |
| Hotspot   |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI5            | DFT-s-OFDM BPSK | SA          | Front Side  | 10         | 167300 | 836.5       | 1       | 1        | -0.13            | 0.377               | 22.99             | 24.00                 | 1.262          | 0.476                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 167300 | 836.5       | 1       | 1        | -0.01            | 0.418               | 22.99             | 24.00                 | 1.262          | 0.528                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 167300 | 836.5       | 1       | 1        | -0.05            | 0.496               | 22.99             | 24.00                 | 1.262          | 0.626                | 71#       |
|           | DSI5            |                 |             | Top Edge    | 10         | 167300 | 836.5       | 1       | 1        | -0.13            | 0.009               | 22.99             | 24.00                 | 1.262          | 0.011                | /         |
|           | DSI5            |                 |             | Front Side  | 10         | 167800 | 839         | 50      | 28       | 0.11             | 0.381               | 23.19             | 24.00                 | 1.205          | 0.459                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 167800 | 839         | 50      | 28       | 0.05             | 0.423               | 23.19             | 24.00                 | 1.205          | 0.510                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 167800 | 839         | 50      | 28       | 0.15             | 0.495               | 23.19             | 24.00                 | 1.205          | 0.596                | /         |
|           | DSI5            |                 |             | Top Edge    | 10         | 167800 | 839         | 50      | 28       | 0.07             | 0.010               | 23.19             | 24.00                 | 1.205          | 0.012                | /         |
| Ant.0     | DSI5            |                 | SA          | Front Side  | 10         | 167800 | 839         | 1       | 1        | 0.00             | 0.373               | 24.89             | 25.50                 | 1.151          | 0.429                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 167800 | 839         | 1       | 1        | -0.08            | 0.431               | 24.89             | 25.50                 | 1.151          | 0.496                | /         |

|                                                                                |      |                    |  |             |    |        |     |    |    |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|--------------------|--|-------------|----|--------|-----|----|----|-------|-------|-------|-------|-------|-------|---|
|                                                                                | DSI5 | DFT-s-OFDM<br>BPSK |  | Left Edge   | 10 | 167800 | 839 | 1  | 1  | -0.03 | 0.164 | 24.89 | 25.50 | 1.151 | 0.189 | / |
|                                                                                | DSI5 |                    |  | Bottom Edge | 10 | 167800 | 839 | 1  | 1  | -0.04 | 0.250 | 24.89 | 25.50 | 1.151 | 0.288 | / |
|                                                                                | DSI5 |                    |  | Front Side  | 10 | 167800 | 839 | 50 | 28 | -0.03 | 0.353 | 24.88 | 25.50 | 1.153 | 0.407 | / |
|                                                                                | DSI5 |                    |  | Back Side   | 10 | 167800 | 839 | 50 | 28 | -0.10 | 0.421 | 24.88 | 25.50 | 1.153 | 0.485 | / |
|                                                                                | DSI5 |                    |  | Left Edge   | 10 | 167800 | 839 | 50 | 28 | 0.04  | 0.156 | 24.88 | 25.50 | 1.153 | 0.180 | / |
|                                                                                | DSI5 |                    |  | Bottom Edge | 10 | 167800 | 839 | 50 | 28 | 0.02  | 0.249 | 24.88 | 25.50 | 1.153 | 0.287 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                    |  |             |    |        |     |    |    |       |       |       |       |       |       |   |

## 11.23 n7 (40MHz Bandwidth)

| Antenna   | Power Reduction | Mode       | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |            |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI1            | DFT-s-OFDM | SA          | Left Cheek  | 0          | 504000 | 2520        | 1       | 1        | -0.08            | 0.332               | 16.67             | 17.00                 | 1.079          | 0.358                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 504000 | 2520        | 1       | 1        | -0.04            | 0.304               | 16.67             | 17.00                 | 1.079          | 0.328                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 504000 | 2520        | 1       | 1        | -0.13            | 0.691               | 16.67             | 17.00                 | 1.079          | <b>0.746</b>         | 72#       |
|           | DSI1            |            |             | Right Tilt  | 0          | 504000 | 2520        | 1       | 1        | -0.05            | 0.538               | 16.67             | 17.00                 | 1.079          | 0.581                | /         |
|           | DSI1            |            |             | Left Cheek  | 0          | 507000 | 2535        | 108     | 54       | 0.12             | 0.302               | 16.32             | 17.00                 | 1.169          | 0.353                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 507000 | 2535        | 108     | 54       | 0.14             | 0.275               | 16.32             | 17.00                 | 1.169          | 0.321                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 507000 | 2535        | 108     | 54       | 0.04             | 0.630               | 16.32             | 17.00                 | 1.169          | 0.736                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 507000 | 2535        | 108     | 54       | -0.05            | 0.485               | 16.32             | 17.00                 | 1.169          | 0.567                | /         |
| Ant.4     | DSI1            | DFT-s-OFDM | SA          | Left Cheek  | 0          | 504000 | 2520        | 1       | 108      | 0.12             | 0.174               | 15.79             | 16.50                 | 1.178          | 0.205                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 504000 | 2520        | 1       | 108      | 0.02             | 0.122               | 15.79             | 16.50                 | 1.178          | 0.144                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 504000 | 2520        | 1       | 108      | 0.03             | 0.603               | 15.79             | 16.50                 | 1.178          | 0.710                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 504000 | 2520        | 1       | 108      | 0.08             | 0.258               | 15.79             | 16.50                 | 1.178          | 0.304                | /         |
|           | DSI1            |            |             | Left Cheek  | 0          | 504000 | 2520        | 108     | 54       | -0.14            | 0.165               | 15.86             | 16.50                 | 1.159          | 0.191                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 504000 | 2520        | 108     | 54       | 0.14             | 0.119               | 15.86             | 16.50                 | 1.159          | 0.138                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 504000 | 2520        | 108     | 54       | 0.03             | 0.596               | 15.86             | 16.50                 | 1.159          | 0.691                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 504000 | 2520        | 108     | 54       | 0.01             | 0.253               | 15.86             | 16.50                 | 1.159          | 0.293                | /         |
| Ant.5     | DSI1            | DFT-s-OFDM | SA          | Left Cheek  | 0          | 507000 | 2535        | 1       | 108      | -0.08            | 0.440               | 20.39             | 21.50                 | 1.291          | 0.568                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 507000 | 2535        | 1       | 108      | -0.12            | 0.172               | 20.39             | 21.50                 | 1.291          | 0.222                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 507000 | 2535        | 1       | 108      | -0.13            | 0.369               | 20.39             | 21.50                 | 1.291          | 0.476                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 507000 | 2535        | 1       | 108      | -0.04            | 0.082               | 20.39             | 21.50                 | 1.291          | 0.106                | /         |
|           | DSI1            |            |             | Left Cheek  | 0          | 507000 | 2535        | 108     | 108      | 0.09             | 0.428               | 20.21             | 21.50                 | 1.346          | 0.576                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 507000 | 2535        | 108     | 108      | 0.07             | 0.165               | 20.21             | 21.50                 | 1.346          | 0.222                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 507000 | 2535        | 108     | 108      | 0.09             | 0.363               | 20.21             | 21.50                 | 1.346          | 0.489                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 507000 | 2535        | 108     | 108      | -0.08            | 0.081               | 20.21             | 21.50                 | 1.346          | 0.109                | /         |
| Ant.3     | DSI1            | DFT-s-OFDM | SA          | Left Cheek  | 0          | 507000 | 2535        | 1       | 1        | -0.09            | 0.132               | 24.85             | 25.50                 | 1.161          | 0.153                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 507000 | 2535        | 1       | 1        | -0.05            | 0.111               | 24.85             | 25.50                 | 1.161          | 0.129                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 507000 | 2535        | 1       | 1        | 0.03             | 0.118               | 24.85             | 25.50                 | 1.161          | 0.137                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 507000 | 2535        | 1       | 1        | 0.01             | 0.088               | 24.85             | 25.50                 | 1.161          | 0.102                | /         |
|           | DSI1            |            |             | Left Cheek  | 0          | 504000 | 2520        | 108     | 0        | -0.03            | 0.120               | 24.46             | 25.50                 | 1.271          | 0.153                | /         |
|           | DSI1            |            |             | Left Tilt   | 0          | 504000 | 2520        | 108     | 0        | 0.02             | 0.108               | 24.46             | 25.50                 | 1.271          | 0.137                | /         |
|           | DSI1            |            |             | Right Cheek | 0          | 504000 | 2520        | 108     | 0        | -0.05            | 0.105               | 24.46             | 25.50                 | 1.271          | 0.133                | /         |
|           | DSI1            |            |             | Right Tilt  | 0          | 504000 | 2520        | 108     | 0        | 0.07             | 0.082               | 24.46             | 25.50                 | 1.271          | 0.104                | /         |
| Body-worn |                 |            |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI2            | DFT-s-     | SA          | Front Side  | 15         | 507000 | 2535        | 1       | 1        | 0.06             | 0.476               | 25.16             | 25.50                 | 1.081          | 0.515                | /         |
|           | DSI2            |            |             | Back Side   | 15         | 507000 | 2535        | 1       | 1        | -0.09            | 0.681               | 25.16             | 25.50                 | 1.081          | <b>0.736</b>         | 73#       |
|           | DSI2            |            |             | Front Side  | 15         | 510000 | 2550        | 108     | 54       | -0.04            | 0.424               | 24.84             | 25.50                 | 1.164          | 0.494                | /         |

|         |      |                            |    |             |    |        |      |     |     |       |       |       |       |       |              |     |
|---------|------|----------------------------|----|-------------|----|--------|------|-----|-----|-------|-------|-------|-------|-------|--------------|-----|
|         | DSI2 | OFDM<br>BPSK               |    | Back Side   | 15 | 510000 | 2550 | 108 | 54  | 0.09  | 0.612 | 24.84 | 25.50 | 1.164 | 0.712        | /   |
| Ant.4   | DSI2 | DFT-                       | SA | Front Side  | 15 | 504000 | 2520 | 1   | 1   | -0.03 | 0.186 | 17.77 | 18.50 | 1.183 | 0.220        | /   |
|         | DSI2 | s-                         |    | Back Side   | 15 | 504000 | 2520 | 1   | 1   | 0.14  | 0.293 | 17.77 | 18.50 | 1.183 | 0.347        | /   |
|         | DSI2 | OFDM                       |    | Front Side  | 15 | 504000 | 2520 | 108 | 54  | 0.14  | 0.165 | 17.87 | 18.50 | 1.156 | 0.191        | /   |
|         | DSI2 | BPSK                       |    | Back Side   | 15 | 504000 | 2520 | 108 | 54  | 0.06  | 0.260 | 17.87 | 18.50 | 1.156 | 0.301        | /   |
| Ant.5   | DSI2 | DFT-                       | SA | Front Side  | 15 | 507000 | 2535 | 1   | 108 | -0.06 | 0.057 | 20.39 | 21.50 | 1.291 | 0.074        | /   |
|         | DSI2 | s-                         |    | Back Side   | 15 | 507000 | 2535 | 1   | 108 | -0.08 | 0.085 | 20.39 | 21.50 | 1.291 | 0.110        | /   |
|         | DSI2 | OFDM                       |    | Front Side  | 15 | 507000 | 2535 | 108 | 108 | 0.09  | 0.048 | 20.21 | 21.50 | 1.346 | 0.065        | /   |
|         | DSI2 | BPSK                       |    | Back Side   | 15 | 507000 | 2535 | 108 | 108 | 0.08  | 0.070 | 20.21 | 21.50 | 1.346 | 0.094        | /   |
| Ant.3   | DSI2 | DFT-                       | SA | Front Side  | 15 | 507000 | 2535 | 1   | 108 | -0.13 | 0.136 | 20.19 | 21.00 | 1.205 | 0.164        | /   |
|         | DSI2 | s-                         |    | Back Side   | 15 | 507000 | 2535 | 1   | 108 | 0.12  | 0.179 | 20.19 | 21.00 | 1.205 | 0.216        | /   |
|         | DSI2 | OFDM                       |    | Front Side  | 15 | 510000 | 2550 | 108 | 0   | -0.09 | 0.130 | 20.01 | 21.00 | 1.256 | 0.163        | /   |
|         | DSI2 | BPSK                       |    | Back Side   | 15 | 510000 | 2550 | 108 | 0   | 0.09  | 0.172 | 20.01 | 21.00 | 1.256 | 0.216        | /   |
| Hotspot |      |                            |    |             |    |        |      |     |     |       |       |       |       |       |              |     |
| Ant.2   | DSI5 | DFT-<br>s-<br>OFDM<br>BPSK | SA | Front Side  | 10 | 504000 | 2520 | 1   | 1   | 0.09  | 0.073 | 16.67 | 17.00 | 1.079 | 0.079        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 504000 | 2520 | 1   | 1   | 0.02  | 0.144 | 16.67 | 17.00 | 1.079 | 0.155        | /   |
|         | DSI5 |                            |    | Left Edge   | 10 | 504000 | 2520 | 1   | 1   | -0.09 | 0.032 | 16.67 | 17.00 | 1.079 | 0.035        | /   |
|         | DSI5 |                            |    | Top Edge    | 10 | 504000 | 2520 | 1   | 1   | -0.13 | 0.098 | 16.67 | 17.00 | 1.079 | 0.106        | /   |
|         | DSI5 |                            |    | Front Side  | 10 | 507000 | 2535 | 108 | 54  | 0.14  | 0.071 | 16.32 | 17.00 | 1.169 | 0.083        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 507000 | 2535 | 108 | 54  | -0.13 | 0.135 | 16.32 | 17.00 | 1.169 | 0.158        | /   |
|         | DSI5 |                            |    | Left Edge   | 10 | 507000 | 2535 | 108 | 54  | 0.03  | 0.029 | 16.32 | 17.00 | 1.169 | 0.034        | /   |
|         | DSI5 |                            |    | Top Edge    | 10 | 507000 | 2535 | 108 | 54  | 0.03  | 0.070 | 16.32 | 17.00 | 1.169 | 0.082        | /   |
| Ant.4   | DSI5 | DFT-<br>s-<br>OFDM<br>BPSK | SA | Front Side  | 10 | 504000 | 2520 | 1   | 108 | 0.07  | 0.179 | 15.79 | 16.50 | 1.178 | 0.211        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 504000 | 2520 | 1   | 108 | 0.04  | 0.301 | 15.79 | 16.50 | 1.178 | 0.355        | /   |
|         | DSI5 |                            |    | Left Edge   | 10 | 504000 | 2520 | 1   | 108 | -0.12 | 0.312 | 15.79 | 16.50 | 1.178 | 0.368        | /   |
|         | DSI5 |                            |    | Top Edge    | 10 | 504000 | 2520 | 1   | 108 | 0.02  | 0.128 | 15.79 | 16.50 | 1.178 | 0.151        | /   |
|         | DSI5 |                            |    | Front Side  | 10 | 504000 | 2520 | 108 | 54  | 0.08  | 0.175 | 15.86 | 16.50 | 1.159 | 0.203        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 504000 | 2520 | 108 | 54  | 0.07  | 0.298 | 15.86 | 16.50 | 1.159 | 0.345        | /   |
|         | DSI5 |                            |    | Left Edge   | 10 | 504000 | 2520 | 108 | 54  | 0.00  | 0.308 | 15.86 | 16.50 | 1.159 | 0.357        | /   |
|         | DSI5 |                            |    | Top Edge    | 10 | 504000 | 2520 | 108 | 54  | 0.01  | 0.128 | 15.86 | 16.50 | 1.159 | 0.148        | /   |
| Ant.5   | DSI5 | DFT-<br>s-<br>OFDM<br>BPSK | SA | Front Side  | 10 | 507000 | 2535 | 1   | 1   | 0.15  | 0.097 | 20.12 | 23.50 | 2.178 | 0.211        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 507000 | 2535 | 1   | 1   | 0.07  | 0.170 | 20.12 | 23.50 | 2.178 | 0.370        | /   |
|         | DSI5 |                            |    | Right Edge  | 10 | 507000 | 2535 | 1   | 1   | 0.11  | 0.218 | 20.12 | 23.50 | 2.178 | 0.475        | /   |
|         | DSI5 |                            |    | Front Side  | 10 | 507000 | 2535 | 50  | 0   | -0.14 | 0.082 | 19.85 | 23.50 | 2.317 | 0.190        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 507000 | 2535 | 50  | 0   | -0.14 | 0.147 | 19.85 | 23.50 | 2.317 | 0.341        | /   |
|         | DSI5 |                            |    | Right Edge  | 10 | 507000 | 2535 | 50  | 0   | 0.15  | 0.192 | 19.85 | 23.50 | 2.317 | 0.445        | /   |
| Ant.3   | DSI5 | DFT-<br>s-<br>OFDM<br>BPSK | SA | Front Side  | 10 | 507000 | 2535 | 1   | 108 | 0.07  | 0.240 | 20.19 | 21.00 | 1.205 | 0.289        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 507000 | 2535 | 1   | 108 | -0.01 | 0.299 | 20.19 | 21.00 | 1.205 | 0.360        | /   |
|         | DSI5 |                            |    | Right Edge  | 10 | 507000 | 2535 | 1   | 108 | 0.04  | 0.046 | 20.19 | 21.00 | 1.205 | 0.055        | /   |
|         | DSI5 |                            |    | Bottom Edge | 10 | 507000 | 2535 | 1   | 108 | -0.05 | 0.498 | 20.19 | 21.00 | 1.205 | <b>0.600</b> | 74# |
|         | DSI5 |                            |    | Front Side  | 10 | 510000 | 2550 | 108 | 0   | -0.09 | 0.167 | 20.01 | 21.00 | 1.256 | 0.210        | /   |
|         | DSI5 |                            |    | Back Side   | 10 | 510000 | 2550 | 108 | 0   | -0.03 | 0.235 | 20.01 | 21.00 | 1.256 | 0.295        | /   |

|                                                                                |      |                            |    |             |    |        |      |     |   |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|----------------------------|----|-------------|----|--------|------|-----|---|-------|-------|-------|-------|-------|-------|---|
|                                                                                | DSI5 |                            |    | Right Edge  | 10 | 510000 | 2550 | 108 | 0 | 0.00  | 0.032 | 20.01 | 21.00 | 1.256 | 0.040 | / |
|                                                                                | DSI5 |                            |    | Bottom Edge | 10 | 510000 | 2550 | 108 | 0 | 0.01  | 0.378 | 20.01 | 21.00 | 1.256 | 0.475 | / |
| Sensor(N-1)                                                                    |      |                            |    |             |    |        |      |     |   |       |       |       |       |       |       |   |
| Ant.3                                                                          | Off  | DFT-<br>s-<br>OFDM<br>BPSK | SA | Front Side  | 15 | 507000 | 2535 | 1   | 1 | 0.12  | 0.471 | 24.85 | 25.50 | 1.161 | 0.547 | / |
|                                                                                | Off  |                            |    | Back Side   | 15 | 507000 | 2535 | 1   | 1 | -0.02 | 0.624 | 24.85 | 25.50 | 1.161 | 0.724 | / |
|                                                                                | Off  |                            |    | Top Edge    | 15 | 507000 | 2535 | 1   | 1 | 0.12  | 0.072 | 24.85 | 25.50 | 1.161 | 0.084 | / |
|                                                                                | Off  |                            |    | Top Edge    | 15 | 507000 | 2535 | 1   | 1 | 0.10  | 0.656 | 24.85 | 25.50 | 1.161 | 0.762 | / |
|                                                                                | Off  |                            |    | Front Side  | 15 | 504000 | 2520 | 108 | 0 | -0.08 | 0.430 | 24.46 | 25.50 | 1.271 | 0.547 | / |
|                                                                                | Off  |                            |    | Back Side   | 15 | 504000 | 2520 | 108 | 0 | -0.05 | 0.564 | 24.46 | 25.50 | 1.271 | 0.717 | / |
|                                                                                | Off  |                            |    | Top Edge    | 15 | 504000 | 2520 | 108 | 0 | -0.08 | 0.063 | 24.46 | 25.50 | 1.271 | 0.080 | / |
|                                                                                | Off  |                            |    | Top Edge    | 15 | 504000 | 2520 | 108 | 0 | 0.11  | 0.594 | 24.46 | 25.50 | 1.271 | 0.755 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                            |    |             |    |        |      |     |   |       |       |       |       |       |       |   |

| Antenna                                                                        | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific                                                                       |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI3            | DFT-s-OFDM BPSK | SA          | Front Side  | 0          | 504000 | 2520        | 1       | 1        | -0.05            | 0.880                | 19.68             | 20.00                 | 1.076          | 0.947                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 504000 | 2520        | 1       | 1        | 0.00             | 0.330                | 19.68             | 20.00                 | 1.076          | 0.355                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 504000 | 2520        | 1       | 1        | -0.03            | 1.400                | 19.68             | 20.00                 | 1.076          | 1.506                 | 75#       |
|                                                                                | DSI3            |                 |             | Front Side  | 0          | 510000 | 2550        | 108     | 54       | -0.13            | 0.877                | 19.35             | 20.00                 | 1.161          | 1.018                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 510000 | 2550        | 108     | 54       | -0.08            | 0.325                | 19.35             | 20.00                 | 1.161          | 0.377                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 510000 | 2550        | 108     | 54       | 0.03             | 1.250                | 19.35             | 20.00                 | 1.161          | 1.451                 | /         |
| Ant.3                                                                          | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 0          | 507000 | 2535        | 1       | 108      | -0.11            | 0.832                | 20.19             | 21.00                 | 1.205          | 1.003                 | /         |
|                                                                                | DSI2            |                 |             | Back Side   | 0          | 507000 | 2535        | 1       | 108      | 0.05             | 0.860                | 20.19             | 21.00                 | 1.205          | 1.036                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 507000 | 2535        | 1       | 108      | -0.03            | 1.140                | 20.19             | 21.00                 | 1.205          | 1.374                 | /         |
|                                                                                | DSI2            |                 |             | Front Side  | 0          | 510000 | 2550        | 108     | 0        | 0.01             | 0.827                | 20.01             | 21.00                 | 1.256          | 1.039                 | /         |
|                                                                                | DSI2            |                 |             | Back Side   | 0          | 510000 | 2550        | 108     | 0        | -0.07            | 0.799                | 20.01             | 21.00                 | 1.256          | 1.004                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 510000 | 2550        | 108     | 0        | 0.06             | 0.911                | 20.01             | 21.00                 | 1.256          | 1.144                 | /         |
| Sensor(N-1)                                                                    |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | Off             | DFT-s-OFDM BPSK | SA          | Front Side  | 5          | 507000 | 2535        | 1       | 1        | 0.14             | 0.845                | 25.16             | 25.50                 | 1.081          | 0.913                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 507000 | 2535        | 1       | 1        | 0.06             | 1.420                | 25.16             | 25.50                 | 1.081          | 1.535                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 507000 | 2535        | 1       | 1        | -0.12            | 0.812                | 25.16             | 25.50                 | 1.081          | 0.878                 | /         |
|                                                                                | Off             |                 |             | Front Side  | 5          | 510000 | 2550        | 108     | 54       | -0.03            | 0.748                | 24.84             | 25.50                 | 1.164          | 0.871                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 510000 | 2550        | 108     | 54       | 0.06             | 1.280                | 24.84             | 25.50                 | 1.164          | 1.490                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 510000 | 2550        | 108     | 54       | 0.04             | 0.734                | 24.84             | 25.50                 | 1.164          | 0.854                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.24 n12 (15MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm)      | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|-----------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |                 |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0               | 141500 | 707.5       | 1       | 1        | -0.11            | 0.699               | 25.01             | 26.00                 | 1.256          | 0.878                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0               | 141500 | 707.5       | 1       | 1        | -0.06            | 0.074               | 25.01             | 26.00                 | 1.256          | 0.093                | /         |
|           | DSI1            |                 |             | Right Cheek | 0               | 141500 | 707.5       | 1       | 1        | -0.11            | 0.418               | 25.01             | 26.00                 | 1.256          | 0.525                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0               | 141500 | 707.5       | 1       | 1        | -0.01            | 0.071               | 25.01             | 26.00                 | 1.256          | 0.089                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141700 | 708.5       | 36      | 22       | -0.11            | 0.649               | 24.92             | 26.00                 | 1.282          | 0.832                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0               | 141700 | 708.5       | 36      | 22       | -0.02            | 0.069               | 24.92             | 26.00                 | 1.282          | 0.088                | /         |
|           | DSI1            |                 |             | Right Cheek | 0               | 141700 | 708.5       | 36      | 22       | 0.06             | 0.396               | 24.92             | 26.00                 | 1.282          | 0.508                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0               | 141700 | 708.5       | 36      | 22       | 0.04             | 0.068               | 24.92             | 26.00                 | 1.282          | 0.087                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141300 | 706.5       | 1       | 40       | -0.03            | 0.650               | 24.96             | 26.00                 | 1.271          | 0.826                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141700 | 708.5       | 1       | 1        | 0.02             | 0.751               | 25.01             | 26.00                 | 1.256          | <b>0.943</b>         | 76#       |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141300 | 706.5       | 36      | 22       | -0.13            | 0.646               | 24.69             | 26.00                 | 1.352          | 0.873                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141500 | 707.5       | 36      | 22       | 0.13             | 0.682               | 24.84             | 26.00                 | 1.306          | 0.891                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0               | 141500 | 707.5       | 75      | 0        | -0.07            | 0.675               | 24.46             | 25.00                 | 1.132          | 0.764                | /         |
|           | Ant.0           |                 |             | DSI1        | DFT-s-OFDM BPSK | SA     | Left Cheek  | 0       | 141300   | 706.5            | 1                   | 1                 | -0.07                 | 0.078          | 24.97                | 25.50     |
| DSI1      |                 | Left Tilt       | 0           | 141300      |                 |        | 706.5       | 1       | 1        | -0.05            | 0.032               | 24.97             | 25.50                 | 1.130          | 0.036                | /         |
| DSI1      |                 | Right Cheek     | 0           | 141300      |                 |        | 706.5       | 1       | 1        | 0.06             | 0.059               | 24.97             | 25.50                 | 1.130          | 0.067                | /         |
| DSI1      |                 | Right Tilt      | 0           | 141300      |                 |        | 706.5       | 1       | 1        | 0.02             | 0.028               | 24.97             | 25.50                 | 1.130          | 0.032                | /         |
| DSI1      |                 | Left Cheek      | 0           | 141700      |                 |        | 708.5       | 36      | 22       | 0.12             | 0.075               | 24.97             | 25.50                 | 1.130          | 0.085                | /         |
| DSI1      |                 | Left Tilt       | 0           | 141700      |                 |        | 708.5       | 36      | 22       | -0.02            | 0.030               | 24.97             | 25.50                 | 1.130          | 0.034                | /         |
| DSI1      |                 | Right Cheek     | 0           | 141700      |                 |        | 708.5       | 36      | 22       | -0.09            | 0.055               | 24.97             | 25.50                 | 1.130          | 0.062                | /         |
| DSI1      |                 | Right Tilt      | 0           | 141700      |                 |        | 708.5       | 36      | 22       | 0.03             | 0.026               | 24.97             | 25.50                 | 1.130          | 0.029                | /         |
| Body-worn |                 |                 |             |             |                 |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15              | 141500 | 707.5       | 1       | 1        | -0.10            | 0.165               | 25.01             | 26.00                 | 1.256          | 0.207                | /         |
|           | DSI2            |                 |             | Back Side   | 15              | 141500 | 707.5       | 1       | 1        | -0.02            | 0.216               | 25.01             | 26.00                 | 1.256          | <b>0.271</b>         | 77#       |
|           | DSI2            |                 |             | Front Side  | 15              | 141700 | 708.5       | 36      | 22       | 0.09             | 0.163               | 24.92             | 26.00                 | 1.282          | 0.209                | /         |
|           | DSI2            |                 |             | Back Side   | 15              | 141700 | 708.5       | 36      | 22       | 0.02             | 0.210               | 24.92             | 26.00                 | 1.282          | 0.269                | /         |
| Ant.0     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15              | 141300 | 706.5       | 1       | 1        | 0.00             | 0.068               | 24.97             | 25.50                 | 1.130          | 0.077                | /         |
|           | DSI2            |                 |             | Back Side   | 15              | 141300 | 706.5       | 1       | 1        | -0.05            | 0.094               | 24.97             | 25.50                 | 1.130          | 0.106                | /         |
|           | DSI2            |                 |             | Front Side  | 15              | 141700 | 708.5       | 36      | 22       | 0.00             | 0.064               | 24.97             | 25.50                 | 1.130          | 0.072                | /         |
|           | DSI2            |                 |             | Back Side   | 15              | 141700 | 708.5       | 36      | 22       | -0.09            | 0.092               | 24.97             | 25.50                 | 1.130          | 0.104                | /         |
| Hotspot   |                 |                 |             |             |                 |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI5            | DFT-s-OFDM BPSK | SA          | Front Side  | 10              | 141700 | 708.5       | 1       | 1        | -0.01            | 0.437               | 24.07             | 25.00                 | 1.239          | 0.541                | /         |
|           | DSI5            |                 |             | Back Side   | 10              | 141700 | 708.5       | 1       | 1        | -0.11            | 0.501               | 24.07             | 25.00                 | 1.239          | 0.621                | /         |
|           | DSI5            |                 |             | Left Edge   | 10              | 141700 | 708.5       | 1       | 1        | -0.06            | 0.660               | 24.07             | 25.00                 | 1.239          | <b>0.818</b>         | 78#       |
|           | DSI5            |                 |             | Top Edge    | 10              | 141700 | 708.5       | 1       | 1        | 0.11             | 0.008               | 24.07             | 25.00                 | 1.239          | 0.010                | /         |
|           | DSI5            |                 |             | Front Side  | 10              | 141700 | 708.5       | 36      | 22       | 0.08             | 0.386               | 23.95             | 25.00                 | 1.274          | 0.492                | /         |

|       |                                                                                |                    |    |             |    |        |       |    |    |       |       |       |       |       |       |   |
|-------|--------------------------------------------------------------------------------|--------------------|----|-------------|----|--------|-------|----|----|-------|-------|-------|-------|-------|-------|---|
|       | DSI5                                                                           |                    |    | Back Side   | 10 | 141700 | 708.5 | 36 | 22 | 0.14  | 0.443 | 23.95 | 25.00 | 1.274 | 0.564 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141700 | 708.5 | 36 | 22 | -0.08 | 0.581 | 23.95 | 25.00 | 1.274 | 0.740 | / |
|       | DSI5                                                                           |                    |    | Top Edge    | 10 | 141700 | 708.5 | 36 | 22 | -0.14 | 0.008 | 23.95 | 25.00 | 1.274 | 0.010 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141300 | 706.5 | 1  | 40 | 0.15  | 0.609 | 24.06 | 25.00 | 1.242 | 0.756 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141500 | 707.5 | 1  | 40 | 0.09  | 0.601 | 23.95 | 25.00 | 1.274 | 0.766 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141500 | 707.5 | 75 | 0  | 0.01  | 0.559 | 23.50 | 25.00 | 1.413 | 0.790 | / |
| Ant.0 | DSI5                                                                           | DFT-s-OFDM<br>BPSK | SA | Front Side  | 10 | 141300 | 706.5 | 1  | 1  | 0.03  | 0.102 | 24.97 | 25.50 | 1.130 | 0.115 | / |
|       | DSI5                                                                           |                    |    | Back Side   | 10 | 141300 | 706.5 | 1  | 1  | -0.11 | 0.151 | 24.97 | 25.50 | 1.130 | 0.171 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141300 | 706.5 | 1  | 1  | 0.03  | 0.071 | 24.97 | 25.50 | 1.130 | 0.080 | / |
|       | DSI5                                                                           |                    |    | Bottom Edge | 10 | 141300 | 706.5 | 1  | 1  | -0.11 | 0.051 | 24.97 | 25.50 | 1.130 | 0.058 | / |
|       | DSI5                                                                           |                    |    | Front Side  | 10 | 141700 | 708.5 | 36 | 22 | 0.14  | 0.096 | 24.97 | 25.50 | 1.130 | 0.108 | / |
|       | DSI5                                                                           |                    |    | Back Side   | 10 | 141700 | 708.5 | 36 | 22 | -0.13 | 0.144 | 24.97 | 25.50 | 1.130 | 0.163 | / |
|       | DSI5                                                                           |                    |    | Left Edge   | 10 | 141700 | 708.5 | 36 | 22 | -0.08 | 0.064 | 24.97 | 25.50 | 1.130 | 0.072 | / |
|       | DSI5                                                                           |                    |    | Bottom Edge | 10 | 141700 | 708.5 | 36 | 22 | -0.06 | 0.046 | 24.97 | 25.50 | 1.130 | 0.052 | / |
|       | Note: Refer to ANNEX C for the detailed test data for each test configuration. |                    |    |             |    |        |       |    |    |       |       |       |       |       |       |   |

## 11.25 n26 (20MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 166300 | 831.5       | 1       | 1        | -0.17            | 0.621               | 22.52             | 23.50                 | 1.253          | 0.778                | 79#       |
|           | DSI1            |                 |             | Left Tilt   | 0          | 166300 | 831.5       | 1       | 1        | -0.10            | 0.069               | 22.52             | 23.50                 | 1.253          | 0.086                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 166300 | 831.5       | 1       | 1        | 0.10             | 0.332               | 22.52             | 23.50                 | 1.253          | 0.416                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 166300 | 831.5       | 1       | 1        | -0.02            | 0.056               | 22.52             | 23.50                 | 1.253          | 0.070                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 167800 | 839         | 50      | 28       | -0.05            | 0.582               | 22.56             | 23.50                 | 1.242          | 0.723                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 167800 | 839         | 50      | 28       | -0.02            | 0.064               | 22.56             | 23.50                 | 1.242          | 0.079                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 167800 | 839         | 50      | 28       | -0.06            | 0.327               | 22.56             | 23.50                 | 1.242          | 0.406                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 167800 | 839         | 50      | 28       | 0.13             | 0.054               | 22.56             | 23.50                 | 1.242          | 0.067                | /         |
| Ant.0     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 166300 | 831.5       | 1       | 1        | 0.06             | 0.081               | 24.44             | 25.50                 | 1.276          | 0.103                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 166300 | 831.5       | 1       | 1        | -0.01            | 0.057               | 24.44             | 25.50                 | 1.276          | 0.073                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 166300 | 831.5       | 1       | 1        | -0.05            | 0.076               | 24.44             | 25.50                 | 1.276          | 0.097                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 166300 | 831.5       | 1       | 1        | -0.03            | 0.042               | 24.44             | 25.50                 | 1.276          | 0.054                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 166300 | 831.5       | 50      | 0        | -0.10            | 0.068               | 24.38             | 25.50                 | 1.294          | 0.088                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 166300 | 831.5       | 50      | 0        | 0.01             | 0.047               | 24.38             | 25.50                 | 1.294          | 0.061                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 166300 | 831.5       | 50      | 0        | -0.02            | 0.070               | 24.38             | 25.50                 | 1.294          | 0.091                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 166300 | 831.5       | 50      | 0        | 0.00             | 0.039               | 24.38             | 25.50                 | 1.294          | 0.050                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 166300 | 831.5       | 1       | 1        | 0.05             | 0.168               | 23.50             | 24.50                 | 1.259          | 0.212                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 166300 | 831.5       | 1       | 1        | -0.13            | 0.320               | 23.50             | 24.50                 | 1.259          | 0.403                | 80#       |
|           | DSI2            |                 |             | Front Side  | 15         | 167800 | 839         | 50      | 28       | -0.08            | 0.162               | 23.51             | 24.50                 | 1.256          | 0.203                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 167800 | 839         | 50      | 28       | 0.07             | 0.318               | 23.51             | 24.50                 | 1.256          | 0.399                | /         |
| Ant.0     | DSI2            | DFT-s-OFDM BPSK | SA          | Front Side  | 15         | 164800 | 824         | 1       | 53       | 0.08             | 0.091               | 24.92             | 25.50                 | 1.143          | 0.104                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 164800 | 824         | 1       | 53       | 0.05             | 0.128               | 24.92             | 25.50                 | 1.143          | 0.146                | /         |
|           | DSI2            |                 |             | Front Side  | 15         | 164800 | 824         | 50      | 28       | 0.13             | 0.069               | 24.87             | 25.50                 | 1.156          | 0.080                | /         |
|           | DSI2            |                 |             | Back Side   | 15         | 164800 | 824         | 50      | 28       | -0.08            | 0.094               | 24.87             | 25.50                 | 1.156          | 0.109                | /         |
| Hotspot   |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.1     | DSI5            | DFT-s-OFDM BPSK | SA          | Front Side  | 10         | 166300 | 831.5       | 1       | 1        | -0.10            | 0.286               | 22.52             | 23.50                 | 1.253          | 0.358                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 166300 | 831.5       | 1       | 1        | -0.06            | 0.332               | 22.52             | 23.50                 | 1.253          | 0.416                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 166300 | 831.5       | 1       | 1        | -0.04            | 0.517               | 22.52             | 23.50                 | 1.253          | 0.648                | 81#       |
|           | DSI5            |                 |             | Top Edge    | 10         | 166300 | 831.5       | 1       | 1        | -0.11            | 0.008               | 22.52             | 23.50                 | 1.253          | 0.010                | /         |
|           | DSI5            |                 |             | Front Side  | 10         | 167800 | 839         | 50      | 28       | 0.12             | 0.274               | 22.56             | 23.50                 | 1.242          | 0.340                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 167800 | 839         | 50      | 28       | 0.05             | 0.321               | 22.56             | 23.50                 | 1.242          | 0.399                | /         |
|           | DSI5            |                 |             | Left Edge   | 10         | 167800 | 839         | 50      | 28       | -0.12            | 0.505               | 22.56             | 23.50                 | 1.242          | 0.627                | /         |
|           | DSI5            |                 |             | Top Edge    | 10         | 167800 | 839         | 50      | 28       | -0.04            | 0.007               | 22.56             | 23.50                 | 1.242          | 0.009                | /         |
| Ant.0     | DSI5            |                 | SA          | Front Side  | 10         | 164800 | 824         | 1       | 53       | 0.09             | 0.160               | 24.92             | 25.50                 | 1.143          | 0.183                | /         |
|           | DSI5            |                 |             | Back Side   | 10         | 164800 | 824         | 1       | 53       | -0.11            | 0.227               | 24.92             | 25.50                 | 1.143          | 0.259                | /         |

|                                                                                |      |                    |  |             |    |        |     |    |    |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|--------------------|--|-------------|----|--------|-----|----|----|-------|-------|-------|-------|-------|-------|---|
|                                                                                | DSI5 | DFT-s-OFDM<br>BPSK |  | Left Edge   | 10 | 164800 | 824 | 1  | 53 | -0.11 | 0.085 | 24.92 | 25.50 | 1.143 | 0.097 | / |
|                                                                                | DSI5 |                    |  | Bottom Edge | 10 | 164800 | 824 | 1  | 53 | 0.12  | 0.136 | 24.92 | 25.50 | 1.143 | 0.155 | / |
|                                                                                | DSI5 |                    |  | Front Side  | 10 | 164800 | 824 | 50 | 28 | 0.15  | 0.153 | 24.87 | 25.50 | 1.156 | 0.177 | / |
|                                                                                | DSI5 |                    |  | Back Side   | 10 | 164800 | 824 | 50 | 28 | -0.07 | 0.223 | 24.87 | 25.50 | 1.156 | 0.258 | / |
|                                                                                | DSI5 |                    |  | Left Edge   | 10 | 164800 | 824 | 50 | 28 | -0.01 | 0.084 | 24.87 | 25.50 | 1.156 | 0.097 | / |
|                                                                                | DSI5 |                    |  | Bottom Edge | 10 | 164800 | 824 | 50 | 28 | -0.12 | 0.151 | 24.87 | 25.50 | 1.156 | 0.175 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                    |  |             |    |        |     |    |    |       |       |       |       |       |       |   |

## 11.26 n66 (40MHz Bandwidth)

| Antenna | Power Reduction | Mode               | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|--------------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head    |                 |                    |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 349000 | 1745        | 1       | 108      | 0.05             | 0.548               | 17.56             | 18.00                 | 1.107          | 0.607                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 349000 | 1745        | 1       | 108      | 0.05             | 0.590               | 17.56             | 18.00                 | 1.107          | 0.653                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 1       | 108      | 0.13             | 0.882               | 17.56             | 18.00                 | 1.107          | <b>0.976</b>         | 82#       |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 1       | 108      | 0.08             | 0.720               | 17.56             | 18.00                 | 1.107          | 0.797                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 352000 | 1760        | 108     | 108      | 0.05             | 0.531               | 17.18             | 18.00                 | 1.208          | 0.641                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 352000 | 1760        | 108     | 108      | -0.04            | 0.568               | 17.18             | 18.00                 | 1.208          | 0.686                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 108     | 108      | -0.09            | 0.801               | 17.18             | 18.00                 | 1.208          | 0.968                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 352000 | 1760        | 108     | 108      | -0.09            | 0.701               | 17.18             | 18.00                 | 1.208          | 0.847                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 346000 | 1730        | 1       | 1        | -0.04            | 0.866               | 17.52             | 18.00                 | 1.117          | 0.967                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 1       | 108      | 0.12             | 0.855               | 17.54             | 18.00                 | 1.112          | 0.951                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 346000 | 1730        | 108     | 108      | -0.12            | 0.783               | 17.18             | 18.00                 | 1.208          | 0.946                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 108     | 54       | 0.04             | 0.775               | 17.05             | 18.00                 | 1.245          | 0.965                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 216     | 0        | -0.11            | 0.791               | 17.23             | 18.00                 | 1.194          | 0.944                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 216     | 0        | -0.11            | 0.791               | 17.23             | 18.00                 | 1.194          | 0.944                | /         |
| Ant.4   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 352000 | 1760        | 1       | 214      | 0.05             | 0.190               | 17.76             | 18.00                 | 1.057          | 0.201                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 352000 | 1760        | 1       | 214      | 0.00             | 0.087               | 17.76             | 18.00                 | 1.057          | 0.092                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 1       | 214      | -0.03            | 0.679               | 17.76             | 18.00                 | 1.057          | 0.718                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 352000 | 1760        | 1       | 214      | -0.09            | 0.217               | 17.76             | 18.00                 | 1.057          | 0.229                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 349000 | 1745        | 108     | 54       | 0.07             | 0.179               | 17.59             | 18.00                 | 1.099          | 0.197                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 349000 | 1745        | 108     | 54       | 0.06             | 0.081               | 17.59             | 18.00                 | 1.099          | 0.089                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 108     | 54       | -0.05            | 0.645               | 17.59             | 18.00                 | 1.099          | 0.709                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 108     | 54       | -0.03            | 0.187               | 17.59             | 18.00                 | 1.099          | 0.206                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 108     | 54       | -0.03            | 0.187               | 17.59             | 18.00                 | 1.099          | 0.206                | /         |
| Ant.5   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 349000 | 1745        | 1       | 1        | -0.08            | 0.302               | 22.20             | 23.00                 | 1.202          | 0.363                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 349000 | 1745        | 1       | 1        | 0.04             | 0.080               | 22.20             | 23.00                 | 1.202          | 0.096                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 1       | 1        | -0.14            | 0.151               | 22.20             | 23.00                 | 1.202          | 0.182                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 1       | 1        | 0.12             | 0.030               | 22.20             | 23.00                 | 1.202          | 0.036                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 349000 | 1745        | 108     | 54       | 0.11             | 0.299               | 22.18             | 23.00                 | 1.208          | 0.361                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 349000 | 1745        | 108     | 54       | 0.07             | 0.077               | 22.18             | 23.00                 | 1.208          | 0.093                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 349000 | 1745        | 108     | 54       | -0.09            | 0.148               | 22.18             | 23.00                 | 1.208          | 0.179                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 108     | 54       | -0.03            | 0.028               | 22.18             | 23.00                 | 1.208          | 0.034                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 349000 | 1745        | 108     | 54       | -0.03            | 0.028               | 22.18             | 23.00                 | 1.208          | 0.034                | /         |
| Ant.3   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 352000 | 1760        | 1       | 1        | -0.09            | 0.113               | 24.65             | 25.50                 | 1.216          | 0.137                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 352000 | 1760        | 1       | 1        | 0.15             | 0.057               | 24.65             | 25.50                 | 1.216          | 0.069                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 1       | 1        | -0.05            | 0.102               | 24.65             | 25.50                 | 1.216          | 0.124                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 352000 | 1760        | 1       | 1        | 0.12             | 0.037               | 24.65             | 25.50                 | 1.216          | 0.045                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 352000 | 1760        | 108     | 54       | -0.09            | 0.101               | 24.63             | 25.50                 | 1.222          | 0.123                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 352000 | 1760        | 108     | 54       | -0.09            | 0.053               | 24.63             | 25.50                 | 1.222          | 0.065                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 108     | 54       | -0.14            | 0.086               | 24.63             | 25.50                 | 1.222          | 0.105                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 352000 | 1760        | 108     | 54       | -0.14            | 0.086               | 24.63             | 25.50                 | 1.222          | 0.105                | /         |

|           |      |                    |    |            |    |        |      |     |     |       |       |       |       |       |       |     |
|-----------|------|--------------------|----|------------|----|--------|------|-----|-----|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 |                    |    | Right Tilt | 0  | 352000 | 1760 | 108 | 54  | 0.02  | 0.035 | 24.63 | 25.50 | 1.222 | 0.043 | /   |
| Body-worn |      |                    |    |            |    |        |      |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | DFT-s-OFDM<br>BPSK | SA | Front Side | 15 | 349000 | 1745 | 1   | 108 | -0.05 | 0.230 | 25.06 | 25.50 | 1.107 | 0.255 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 349000 | 1745 | 1   | 108 | -0.04 | 0.315 | 25.06 | 25.50 | 1.107 | 0.349 | 83# |
|           | DSI2 |                    |    | Front Side | 15 | 352000 | 1760 | 108 | 54  | 0.09  | 0.224 | 24.97 | 25.50 | 1.130 | 0.253 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 352000 | 1760 | 108 | 54  | -0.03 | 0.306 | 24.97 | 25.50 | 1.130 | 0.346 | /   |
| Ant.4     | DSI2 | DFT-s-OFDM<br>BPSK | SA | Front Side | 15 | 349000 | 1745 | 1   | 214 | -0.13 | 0.091 | 21.63 | 22.00 | 1.089 | 0.099 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 349000 | 1745 | 1   | 214 | 0.01  | 0.122 | 21.63 | 22.00 | 1.089 | 0.133 | /   |
|           | DSI2 |                    |    | Front Side | 15 | 349000 | 1745 | 108 | 54  | 0.07  | 0.086 | 21.64 | 22.00 | 1.086 | 0.093 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 349000 | 1745 | 108 | 54  | 0.02  | 0.122 | 21.64 | 22.00 | 1.086 | 0.132 | /   |
| Ant.5     | DSI2 | DFT-s-OFDM<br>BPSK | SA | Front Side | 15 | 349000 | 1745 | 1   | 1   | -0.05 | 0.018 | 22.20 | 23.00 | 1.202 | 0.022 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 349000 | 1745 | 1   | 1   | -0.08 | 0.051 | 22.20 | 23.00 | 1.202 | 0.061 | /   |
|           | DSI2 |                    |    | Front Side | 15 | 349000 | 1745 | 108 | 54  | 0.08  | 0.016 | 22.18 | 23.00 | 1.208 | 0.019 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 349000 | 1745 | 108 | 54  | -0.12 | 0.049 | 22.18 | 23.00 | 1.208 | 0.059 | /   |
| Ant.3     | DSI2 | DFT-s-OFDM<br>BPSK | SA | Front Side | 15 | 352000 | 1760 | 1   | 108 | 0.02  | 0.193 | 23.15 | 24.00 | 1.216 | 0.235 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 352000 | 1760 | 1   | 108 | 0.09  | 0.283 | 23.15 | 24.00 | 1.216 | 0.344 | /   |
|           | DSI2 |                    |    | Front Side | 15 | 352000 | 1760 | 108 | 54  | -0.01 | 0.191 | 23.24 | 24.00 | 1.191 | 0.227 | /   |
|           | DSI2 |                    |    | Back Side  | 15 | 352000 | 1760 | 108 | 54  | 0.05  | 0.281 | 23.24 | 24.00 | 1.191 | 0.335 | /   |
| Hotspot   |      |                    |    |            |    |        |      |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | DFT-s-OFDM<br>BPSK | SA | Front Side | 10 | 349000 | 1745 | 1   | 108 | 0.03  | 0.150 | 17.56 | 18.00 | 1.107 | 0.166 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 349000 | 1745 | 1   | 108 | -0.05 | 0.212 | 17.56 | 18.00 | 1.107 | 0.235 | /   |
|           | DSI5 |                    |    | Left Edge  | 10 | 349000 | 1745 | 1   | 108 | -0.07 | 0.082 | 17.56 | 18.00 | 1.107 | 0.091 | /   |
|           | DSI5 |                    |    | Top Edge   | 10 | 349000 | 1745 | 1   | 108 | -0.02 | 0.293 | 17.56 | 18.00 | 1.107 | 0.324 | /   |
|           | DSI5 |                    |    | Front Side | 10 | 352000 | 1760 | 108 | 108 | 0.11  | 0.146 | 17.18 | 18.00 | 1.208 | 0.176 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 352000 | 1760 | 108 | 108 | -0.11 | 0.209 | 17.18 | 18.00 | 1.208 | 0.252 | /   |
|           | DSI5 |                    |    | Left Edge  | 10 | 352000 | 1760 | 108 | 108 | 0.13  | 0.076 | 17.18 | 18.00 | 1.208 | 0.092 | /   |
|           | DSI5 |                    |    | Top Edge   | 10 | 352000 | 1760 | 108 | 108 | 0.06  | 0.286 | 17.18 | 18.00 | 1.208 | 0.345 | /   |
| Ant.4     | DSI5 | DFT-s-OFDM<br>BPSK | SA | Front Side | 10 | 352000 | 1760 | 1   | 214 | 0.11  | 0.097 | 17.76 | 18.00 | 1.057 | 0.103 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 352000 | 1760 | 1   | 214 | 0.00  | 0.123 | 17.76 | 18.00 | 1.057 | 0.130 | /   |
|           | DSI5 |                    |    | Left Edge  | 10 | 352000 | 1760 | 1   | 214 | 0.14  | 0.199 | 17.76 | 18.00 | 1.057 | 0.210 | /   |
|           | DSI5 |                    |    | Top Edge   | 10 | 352000 | 1760 | 1   | 214 | 0.05  | 0.039 | 17.76 | 18.00 | 1.057 | 0.041 | /   |
|           | DSI5 |                    |    | Front Side | 10 | 349000 | 1745 | 108 | 54  | -0.13 | 0.094 | 17.59 | 18.00 | 1.099 | 0.103 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 349000 | 1745 | 108 | 54  | 0.06  | 0.119 | 17.59 | 18.00 | 1.099 | 0.131 | /   |
|           | DSI5 |                    |    | Left Edge  | 10 | 349000 | 1745 | 108 | 54  | -0.02 | 0.187 | 17.59 | 18.00 | 1.099 | 0.206 | /   |
|           | DSI5 |                    |    | Top Edge   | 10 | 349000 | 1745 | 108 | 54  | -0.14 | 0.035 | 17.59 | 18.00 | 1.099 | 0.038 | /   |
| Ant.5     | DSI5 | DFT-s-OFDM<br>BPSK | SA | Front Side | 10 | 349000 | 1745 | 1   | 1   | 0.14  | 0.071 | 22.20 | 23.00 | 1.202 | 0.085 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 349000 | 1745 | 1   | 1   | 0.14  | 0.115 | 22.20 | 23.00 | 1.202 | 0.138 | /   |
|           | DSI5 |                    |    | Right Edge | 10 | 349000 | 1745 | 1   | 1   | 0.09  | 0.152 | 22.20 | 23.00 | 1.202 | 0.183 | /   |
|           | DSI5 |                    |    | Front Side | 10 | 349000 | 1745 | 108 | 54  | -0.06 | 0.069 | 22.18 | 23.00 | 1.208 | 0.083 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 349000 | 1745 | 108 | 54  | -0.01 | 0.112 | 22.18 | 23.00 | 1.208 | 0.135 | /   |
|           | DSI5 |                    |    | Right Edge | 10 | 349000 | 1745 | 108 | 54  | 0.04  | 0.149 | 22.18 | 23.00 | 1.208 | 0.180 | /   |
| Ant.3     | DSI5 |                    | SA | Front Side | 10 | 349000 | 1745 | 1   | 214 | 0.05  | 0.249 | 20.13 | 21.00 | 1.222 | 0.304 | /   |
|           | DSI5 |                    |    | Back Side  | 10 | 349000 | 1745 | 1   | 214 | -0.07 | 0.297 | 20.13 | 21.00 | 1.222 | 0.363 | /   |

|                                                                                |      |                    |    |             |    |        |      |     |     |       |       |       |       |       |              |     |
|--------------------------------------------------------------------------------|------|--------------------|----|-------------|----|--------|------|-----|-----|-------|-------|-------|-------|-------|--------------|-----|
|                                                                                | DSI5 | DFT-s-OFDM<br>BPSK |    | Right Edge  | 10 | 349000 | 1745 | 1   | 214 | -0.10 | 0.127 | 20.13 | 21.00 | 1.222 | 0.155        | /   |
|                                                                                | DSI5 |                    |    | Bottom Edge | 10 | 349000 | 1745 | 1   | 214 | -0.03 | 0.477 | 20.13 | 21.00 | 1.222 | <b>0.583</b> | 84# |
|                                                                                | DSI5 |                    |    | Front Side  | 10 | 346000 | 1730 | 108 | 54  | 0.09  | 0.227 | 20.10 | 21.00 | 1.230 | 0.279        | /   |
|                                                                                | DSI5 |                    |    | Back Side   | 10 | 346000 | 1730 | 108 | 54  | 0.07  | 0.295 | 20.10 | 21.00 | 1.230 | 0.363        | /   |
|                                                                                | DSI5 |                    |    | Right Edge  | 10 | 346000 | 1730 | 108 | 54  | -0.11 | 0.124 | 20.10 | 21.00 | 1.230 | 0.153        | /   |
|                                                                                | DSI5 |                    |    | Bottom Edge | 10 | 346000 | 1730 | 108 | 54  | -0.02 | 0.468 | 20.10 | 21.00 | 1.230 | 0.576        | /   |
| Sensor(N-1)                                                                    |      |                    |    |             |    |        |      |     |     |       |       |       |       |       |              |     |
| Ant.3                                                                          | Off  | DFT-s-OFDM<br>BPSK | SA | Front Side  | 15 | 352000 | 1760 | 1   | 1   | -0.10 | 0.286 | 24.65 | 25.50 | 1.216 | 0.348        | /   |
|                                                                                | Off  |                    |    | Back Side   | 15 | 352000 | 1760 | 1   | 1   | 0.07  | 0.435 | 24.65 | 25.50 | 1.216 | 0.529        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 352000 | 1760 | 1   | 1   | -0.11 | 0.102 | 24.65 | 25.50 | 1.216 | 0.124        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 352000 | 1760 | 1   | 1   | 0.08  | 0.656 | 24.65 | 25.50 | 1.216 | 0.798        | /   |
|                                                                                | Off  |                    |    | Front Side  | 15 | 352000 | 1760 | 108 | 54  | -0.06 | 0.263 | 24.63 | 25.50 | 1.222 | 0.321        | /   |
|                                                                                | Off  |                    |    | Back Side   | 15 | 352000 | 1760 | 108 | 54  | -0.13 | 0.401 | 24.63 | 25.50 | 1.222 | 0.490        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 352000 | 1760 | 108 | 54  | 0.15  | 0.092 | 24.63 | 25.50 | 1.222 | 0.112        | /   |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 352000 | 1760 | 108 | 54  | 0.02  | 0.603 | 24.63 | 25.50 | 1.222 | 0.737        | /   |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                    |    |             |    |        |      |     |     |       |       |       |       |       |              |     |

| Antenna                                                                        | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific                                                                       |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI3            | DFT-s-OFDM BPSK | SA          | Front Side  | 0          | 349000 | 1745        | 1       | 108      | 0.01             | 1.530                | 21.08             | 21.50                 | 1.102          | 1.686                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 349000 | 1745        | 1       | 108      | 0.06             | 0.804                | 21.08             | 21.50                 | 1.102          | 0.886                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 349000 | 1745        | 1       | 108      | 0.03             | 1.630                | 21.08             | 21.50                 | 1.102          | 1.796                 | /         |
|                                                                                | DSI3            |                 |             | Front Side  | 0          | 352000 | 1760        | 108     | 54       | 0.08             | 1.480                | 20.69             | 21.50                 | 1.205          | 1.783                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 352000 | 1760        | 108     | 54       | -0.08            | 0.795                | 20.69             | 21.50                 | 1.205          | 0.958                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 352000 | 1760        | 108     | 54       | -0.03            | 1.610                | 20.69             | 21.50                 | 1.205          | 1.940                 | 85#       |
| Ant.4                                                                          | DSI2            | DFT-s-OFDM BPSK | SA          | Left Edge   | 0          | 349000 | 1745        | 1       | 214      | 0.00             | 1.510                | 21.63             | 22.00                 | 1.089          | 1.644                 | /         |
|                                                                                | DSI2            |                 |             | Left Edge   | 0          | 349000 | 1745        | 108     | 54       | 0.02             | 1.470                | 21.64             | 22.00                 | 1.086          | 1.596                 | /         |
| Ant.3                                                                          | DSI2            | DFT-s-OFDM BPSK | SA          | Bottom Edge | 0          | 352000 | 1760        | 1       | 108      | -0.12            | 1.510                | 23.15             | 24.00                 | 1.216          | 1.836                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 352000 | 1760        | 108     | 54       | -0.02            | 1.490                | 23.24             | 24.00                 | 1.191          | 1.775                 | /         |
| Sensor(N-1)                                                                    |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | Off             | DFT-s-OFDM BPSK | SA          | Front Side  | 5          | 349000 | 1745        | 1       | 108      | -0.13            | 1.200                | 25.06             | 25.50                 | 1.107          | 1.328                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 349000 | 1745        | 1       | 108      | -0.11            | 1.590                | 25.06             | 25.50                 | 1.107          | 1.760                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 349000 | 1745        | 1       | 108      | 0.15             | 1.800                | 25.06             | 25.50                 | 1.107          | 1.993                 | /         |
|                                                                                | Off             |                 |             | Front Side  | 5          | 352000 | 1760        | 108     | 54       | 0.15             | 1.090                | 24.97             | 25.50                 | 1.130          | 1.232                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 352000 | 1760        | 108     | 54       | -0.14            | 1.460                | 24.97             | 25.50                 | 1.130          | 1.650                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 352000 | 1760        | 108     | 54       | -0.09            | 1.730                | 24.97             | 25.50                 | 1.130          | 1.955                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.27 n38 (40MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 519000 | 2595        | 1       | 104      | 0.02             | 0.292               | 16.20             | 16.50                 | 1.072          | 0.313                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 519000 | 2595        | 1       | 104      | -0.11            | 0.278               | 16.20             | 16.50                 | 1.072          | 0.298                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 519000 | 2595        | 1       | 104      | -0.16            | 0.701               | 16.20             | 16.50                 | 1.072          | <b>0.751</b>         | 86#       |
|           | DSI1            |                 |             | Right Tilt  | 0          | 519000 | 2595        | 1       | 104      | -0.09            | 0.485               | 16.20             | 16.50                 | 1.072          | 0.520                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 520000 | 2600        | 50      | 56       | 0.05             | 0.276               | 16.14             | 16.50                 | 1.086          | 0.300                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 520000 | 2600        | 50      | 56       | -0.07            | 0.262               | 16.14             | 16.50                 | 1.086          | 0.285                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 520000 | 2600        | 50      | 56       | -0.10            | 0.677               | 16.14             | 16.50                 | 1.086          | 0.735                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 520000 | 2600        | 50      | 56       | -0.04            | 0.478               | 16.14             | 16.50                 | 1.086          | 0.519                | /         |
| Ant.4     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 519000 | 2595        | 1       | 104      | 0.10             | 0.164               | 15.90             | 17.00                 | 1.288          | 0.211                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 519000 | 2595        | 1       | 104      | 0.05             | 0.094               | 15.90             | 17.00                 | 1.288          | 0.121                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 519000 | 2595        | 1       | 104      | -0.07            | 0.506               | 15.90             | 17.00                 | 1.288          | 0.652                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 519000 | 2595        | 1       | 104      | 0.04             | 0.198               | 15.90             | 17.00                 | 1.288          | 0.255                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 519000 | 2595        | 50      | 28       | -0.02            | 0.158               | 15.89             | 17.00                 | 1.291          | 0.204                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 519000 | 2595        | 50      | 28       | 0.03             | 0.089               | 15.89             | 17.00                 | 1.291          | 0.115                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 519000 | 2595        | 50      | 28       | 0.10             | 0.491               | 15.89             | 17.00                 | 1.291          | 0.634                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 519000 | 2595        | 50      | 28       | -0.04            | 0.193               | 15.89             | 17.00                 | 1.291          | 0.249                | /         |
| Ant.5     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 520000 | 2600        | 1       | 104      | -0.14            | 0.292               | 19.98             | 21.00                 | 1.265          | 0.369                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 520000 | 2600        | 1       | 104      | -0.09            | 0.082               | 19.98             | 21.00                 | 1.265          | 0.104                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 520000 | 2600        | 1       | 104      | -0.13            | 0.246               | 19.98             | 21.00                 | 1.265          | 0.311                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 520000 | 2600        | 1       | 104      | 0.01             | 0.052               | 19.98             | 21.00                 | 1.265          | 0.066                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 518000 | 2590        | 50      | 56       | -0.09            | 0.282               | 19.88             | 21.00                 | 1.294          | 0.365                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 518000 | 2590        | 50      | 56       | 0.13             | 0.081               | 19.88             | 21.00                 | 1.294          | 0.105                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 518000 | 2590        | 50      | 56       | -0.03            | 0.229               | 19.88             | 21.00                 | 1.294          | 0.296                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 518000 | 2590        | 50      | 56       | -0.14            | 0.048               | 19.88             | 21.00                 | 1.294          | 0.062                | /         |
| Ant.3     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 518000 | 2590        | 1       | 104      | -0.05            | 0.079               | 22.90             | 24.50                 | 1.445          | 0.114                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 518000 | 2590        | 1       | 104      | -0.12            | 0.035               | 22.90             | 24.50                 | 1.445          | 0.051                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 518000 | 2590        | 1       | 104      | -0.06            | 0.073               | 22.90             | 24.50                 | 1.445          | 0.105                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 518000 | 2590        | 1       | 104      | -0.03            | 0.028               | 22.90             | 24.50                 | 1.445          | 0.040                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 520000 | 2600        | 50      | 56       | 0.11             | 0.072               | 22.97             | 24.50                 | 1.422          | 0.102                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 520000 | 2600        | 50      | 56       | 0.11             | 0.033               | 22.97             | 24.50                 | 1.422          | 0.047                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 520000 | 2600        | 50      | 56       | -0.14            | 0.068               | 22.97             | 24.50                 | 1.422          | 0.097                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 520000 | 2600        | 50      | 56       | 0.08             | 0.024               | 22.97             | 24.50                 | 1.422          | 0.034                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2     | DSI2            | DFT-s-          | SA          | Front Side  | 15         | 519000 | 2595        | 1       | 1        | -0.10            | 0.359               | 24.66             | 25.00                 | 1.081          | 0.388                | /         |
|           | DSI2            | OFDM            |             | Back Side   | 15         | 519000 | 2595        | 1       | 1        | -0.14            | 0.509               | 24.66             | 25.00                 | 1.081          | <b>0.550</b>         | 87#       |
|           | DSI2            | BPSK            |             | Front Side  | 15         | 519000 | 2595        | 50      | 28       | -0.07            | 0.350               | 24.58             | 25.00                 | 1.102          | 0.386                | /         |

|         |             |                    |    |            |        |        |      |     |       |       |       |       |       |              |       |   |
|---------|-------------|--------------------|----|------------|--------|--------|------|-----|-------|-------|-------|-------|-------|--------------|-------|---|
|         | DSI2        |                    |    | Back Side  | 15     | 519000 | 2595 | 50  | 28    | -0.09 | 0.495 | 24.58 | 25.00 | 1.102        | 0.545 | / |
| Ant.4   | DSI2        | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 518000 | 2590 | 1   | 104   | -0.14 | 0.060 | 18.45 | 19.50 | 1.274        | 0.076 | / |
|         | Back Side   |                    |    | 15         | 518000 | 2590   | 1    | 104 | 0.05  | 0.098 | 18.45 | 19.50 | 1.274 | 0.125        | /     |   |
|         | Front Side  |                    |    | 15         | 520000 | 2600   | 50   | 28  | -0.11 | 0.058 | 18.46 | 19.50 | 1.271 | 0.074        | /     |   |
|         | Back Side   |                    |    | 15         | 520000 | 2600   | 50   | 28  | -0.03 | 0.096 | 18.46 | 19.50 | 1.271 | 0.122        | /     |   |
| Ant.5   | DSI2        | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 520000 | 2600 | 1   | 104   | -0.07 | 0.047 | 19.98 | 21.00 | 1.265        | 0.059 | / |
|         | Back Side   |                    |    | 15         | 520000 | 2600   | 1    | 104 | 0.11  | 0.075 | 19.98 | 21.00 | 1.265 | 0.095        | /     |   |
|         | Front Side  |                    |    | 15         | 518000 | 2590   | 50   | 56  | 0.00  | 0.043 | 19.88 | 21.00 | 1.294 | 0.056        | /     |   |
|         | Back Side   |                    |    | 15         | 518000 | 2590   | 50   | 56  | -0.04 | 0.063 | 19.88 | 21.00 | 1.294 | 0.082        | /     |   |
| Ant.3   | DSI2        | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 518000 | 2590 | 1   | 104   | 0.14  | 0.091 | 21.03 | 22.50 | 1.403        | 0.128 | / |
|         | Back Side   |                    |    | 15         | 518000 | 2590   | 1    | 104 | -0.10 | 0.115 | 21.03 | 22.50 | 1.403 | 0.161        | /     |   |
|         | Front Side  |                    |    | 15         | 520000 | 2600   | 50   | 28  | 0.10  | 0.090 | 21.02 | 22.50 | 1.406 | 0.127        | /     |   |
|         | Back Side   |                    |    | 15         | 520000 | 2600   | 50   | 28  | 0.10  | 0.114 | 21.02 | 22.50 | 1.406 | 0.160        | /     |   |
| Hotspot |             |                    |    |            |        |        |      |     |       |       |       |       |       |              |       |   |
| Ant.2   | DSI5        | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 519000 | 2595 | 1   | 104   | 0.05  | 0.091 | 16.20 | 16.50 | 1.072        | 0.098 | / |
|         | Back Side   |                    |    | 10         | 519000 | 2595   | 1    | 104 | 0.14  | 0.145 | 16.20 | 16.50 | 1.072 | 0.155        | /     |   |
|         | Left Edge   |                    |    | 10         | 519000 | 2595   | 1    | 104 | -0.04 | 0.045 | 16.20 | 16.50 | 1.072 | 0.048        | /     |   |
|         | Top Edge    |                    |    | 10         | 519000 | 2595   | 1    | 104 | 0.08  | 0.153 | 16.20 | 16.50 | 1.072 | 0.164        | /     |   |
|         | Front Side  |                    |    | 10         | 520000 | 2600   | 50   | 56  | 0.13  | 0.088 | 16.14 | 16.50 | 1.086 | 0.096        | /     |   |
|         | Back Side   |                    |    | 10         | 520000 | 2600   | 50   | 56  | -0.02 | 0.139 | 16.14 | 16.50 | 1.086 | 0.151        | /     |   |
|         | Left Edge   |                    |    | 10         | 520000 | 2600   | 50   | 56  | 0.03  | 0.043 | 16.14 | 16.50 | 1.086 | 0.047        | /     |   |
|         | Top Edge    |                    |    | 10         | 520000 | 2600   | 50   | 56  | 0.00  | 0.147 | 16.14 | 16.50 | 1.086 | 0.160        |       |   |
| Ant.4   | DSI5        | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 519000 | 2595 | 1   | 104   | 0.00  | 0.071 | 15.90 | 17.00 | 1.288        | 0.091 | / |
|         | Back Side   |                    |    | 10         | 519000 | 2595   | 1    | 104 | 0.08  | 0.125 | 15.90 | 17.00 | 1.288 | 0.161        | /     |   |
|         | Left Edge   |                    |    | 10         | 519000 | 2595   | 1    | 104 | -0.10 | 0.148 | 15.90 | 17.00 | 1.288 | 0.191        | /     |   |
|         | Top Edge    |                    |    | 10         | 519000 | 2595   | 1    | 104 | -0.07 | 0.043 | 15.90 | 17.00 | 1.288 | 0.055        | /     |   |
|         | Front Side  |                    |    | 10         | 519000 | 2595   | 50   | 28  | 0.13  | 0.069 | 15.89 | 17.00 | 1.291 | 0.089        | /     |   |
|         | Back Side   |                    |    | 10         | 519000 | 2595   | 50   | 28  | -0.13 | 0.124 | 15.89 | 17.00 | 1.291 | 0.160        | /     |   |
|         | Left Edge   |                    |    | 10         | 519000 | 2595   | 50   | 28  | -0.08 | 0.142 | 15.89 | 17.00 | 1.291 | 0.183        | /     |   |
|         | Top Edge    |                    |    | 10         | 519000 | 2595   | 50   | 28  | 0.08  | 0.041 | 15.89 | 17.00 | 1.291 | 0.053        |       |   |
| Ant.5   | DSI5        | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 520000 | 2600 | 1   | 104   | -0.12 | 0.084 | 19.98 | 21.00 | 1.265        | 0.106 | / |
|         | Back Side   |                    |    | 10         | 520000 | 2600   | 1    | 104 | -0.03 | 0.147 | 19.98 | 21.00 | 1.265 | 0.186        | /     |   |
|         | Right Edge  |                    |    | 10         | 520000 | 2600   | 1    | 104 | 0.15  | 0.228 | 19.98 | 21.00 | 1.265 | 0.288        | /     |   |
|         | Front Side  |                    |    | 10         | 518000 | 2590   | 50   | 56  | 0.02  | 0.082 | 19.88 | 21.00 | 1.294 | 0.106        | /     |   |
|         | Back Side   |                    |    | 10         | 518000 | 2590   | 50   | 56  | 0.08  | 0.138 | 19.88 | 21.00 | 1.294 | 0.179        | /     |   |
|         | Right Edge  |                    |    | 10         | 518000 | 2590   | 50   | 56  | 0.06  | 0.222 | 19.88 | 21.00 | 1.294 | 0.287        | /     |   |
| Ant.3   | DSI5        | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 518000 | 2590 | 1   | 104   | -0.05 | 0.127 | 21.03 | 22.50 | 1.403        | 0.178 | / |
|         | Back Side   |                    |    | 10         | 518000 | 2590   | 1    | 104 | -0.03 | 0.176 | 21.03 | 22.50 | 1.403 | 0.247        | /     |   |
|         | Right Edge  |                    |    | 10         | 518000 | 2590   | 1    | 104 | 0.13  | 0.062 | 21.03 | 22.50 | 1.403 | 0.087        | /     |   |
|         | Bottom Edge |                    |    | 10         | 518000 | 2590   | 1    | 104 | -0.03 | 0.388 | 21.03 | 22.50 | 1.403 | <b>0.544</b> | 88#   |   |
|         | Front Side  |                    |    | 10         | 520000 | 2600   | 50   | 28  | -0.04 | 0.128 | 21.02 | 22.50 | 1.406 | 0.180        | /     |   |
|         | Back Side   |                    |    | 10         | 520000 | 2600   | 50   | 28  | 0.02  | 0.167 | 21.02 | 22.50 | 1.406 | 0.235        | /     |   |
|         | Right Edge  |                    |    | 10         | 520000 | 2600   | 50   | 28  | -0.13 | 0.060 | 21.02 | 22.50 | 1.406 | 0.084        | /     |   |

|                                                                                |      |                    |    |             |    |        |      |    |     |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|------|--------------------|----|-------------|----|--------|------|----|-----|-------|-------|-------|-------|-------|-------|---|
|                                                                                | DSI5 |                    |    | Bottom Edge | 10 | 520000 | 2600 | 50 | 28  | -0.08 | 0.369 | 21.02 | 22.50 | 1.406 | 0.519 | / |
| Sensor(N-1)                                                                    |      |                    |    |             |    |        |      |    |     |       |       |       |       |       |       |   |
| Ant.3                                                                          | Off  | DFT-s-OFDM<br>BPSK | SA | Front Side  | 15 | 518000 | 2590 | 1  | 104 | -0.04 | 0.352 | 22.90 | 24.50 | 1.445 | 0.509 | / |
|                                                                                | Off  |                    |    | Back Side   | 15 | 518000 | 2590 | 1  | 104 | -0.07 | 0.456 | 22.90 | 24.50 | 1.445 | 0.659 | / |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 518000 | 2590 | 1  | 104 | 0.10  | 0.097 | 22.90 | 24.50 | 1.445 | 0.140 | / |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 518000 | 2590 | 1  | 104 | 0.01  | 0.460 | 22.90 | 24.50 | 1.445 | 0.665 | / |
|                                                                                | Off  |                    |    | Front Side  | 15 | 520000 | 2600 | 50 | 56  | -0.14 | 0.318 | 22.97 | 24.50 | 1.422 | 0.452 | / |
|                                                                                | Off  |                    |    | Back Side   | 15 | 520000 | 2600 | 50 | 56  | -0.01 | 0.410 | 22.97 | 24.50 | 1.422 | 0.583 | / |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 520000 | 2600 | 50 | 56  | -0.07 | 0.084 | 22.97 | 24.50 | 1.422 | 0.119 | / |
|                                                                                | Off  |                    |    | Top Edge    | 15 | 520000 | 2600 | 50 | 56  | 0.09  | 0.121 | 22.97 | 24.50 | 1.422 | 0.172 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                    |    |             |    |        |      |    |     |       |       |       |       |       |       |   |

| Antenna                                                                        | Power Reduction | Mode               | Information | Position    | Dist. (mm)         | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|--------------------|-------------|-------------|--------------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific                                                                       |                 |                    |             |             |                    |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI3            | DFT-s-OFDM<br>BPSK | SA          | Front Side  | 0                  | 519000 | 2595        | 1       | 104      | -0.05            | 1.500                | 20.15             | 20.50                 | 1.084          | 1.626                 | /         |
|                                                                                | DSI3            |                    |             | Back Side   | 0                  | 519000 | 2595        | 1       | 104      | 0.01             | 1.660                | 20.15             | 20.50                 | 1.084          | 1.799                 | /         |
|                                                                                | DSI3            |                    |             | Top Edge    | 0                  | 519000 | 2595        | 1       | 104      | -0.10            | 1.880                | 20.15             | 20.50                 | 1.084          | 2.038                 | /         |
|                                                                                | DSI3            |                    |             | Front Side  | 0                  | 519000 | 2595        | 50      | 0        | 0.10             | 1.460                | 20.03             | 20.50                 | 1.114          | 1.626                 | /         |
|                                                                                | DSI3            |                    |             | Back Side   | 0                  | 519000 | 2595        | 50      | 0        | -0.03            | 1.530                | 20.03             | 20.50                 | 1.114          | 1.704                 | /         |
|                                                                                | DSI3            |                    |             | Top Edge    | 0                  | 519000 | 2595        | 50      | 0        | 0.07             | 1.710                | 20.03             | 20.50                 | 1.114          | 1.905                 | /         |
|                                                                                | DSI3            |                    |             | Top Edge    | 0                  | 518000 | 2590        | 1       | 104      | -0.03            | 2.180                | 19.94             | 20.50                 | 1.138          | 2.481                 | 89#       |
|                                                                                | DSI3            |                    |             | Top Edge    | 0                  | 520000 | 2600        | 1       | 1        | -0.02            | 1.940                | 19.95             | 20.50                 | 1.135          | 2.202                 | /         |
|                                                                                | DSI3            |                    |             | Top Edge    | 0                  | 520000 | 2600        | 100     | 0        | 0.10             | 1.700                | 20.01             | 20.50                 | 1.119          | 1.902                 | /         |
|                                                                                | Ant.4           |                    |             | DSI2        | DFT-s-OFDM<br>BPSK | SA     | Left Edge   | 0       | 518000   | 2590             | 1                    | 104               | 0.10                  | 0.681          | 18.45                 | 19.50     |
| DSI2                                                                           |                 | Left Edge          | 0           | 520000      |                    |        | 2600        | 50      | 28       | -0.04            | 0.679                | 18.46             | 19.50                 | 1.271          | 0.863                 | /         |
| Ant.3                                                                          | DSI2            | DFT-s-OFDM<br>BPSK | SA          | Front Side  | 0                  | 518000 | 2590        | 1       | 104      | -0.05            | 0.618                | 21.03             | 22.50                 | 1.403          | 0.867                 | /         |
|                                                                                | DSI2            |                    |             | Back Side   | 0                  | 518000 | 2590        | 1       | 104      | 0.15             | 0.526                | 21.03             | 22.50                 | 1.403          | 0.738                 | /         |
|                                                                                | DSI2            |                    |             | Bottom Edge | 0                  | 518000 | 2590        | 1       | 104      | -0.12            | 0.865                | 21.03             | 22.50                 | 1.403          | 1.214                 | /         |
|                                                                                | DSI2            |                    |             | Front Side  | 0                  | 520000 | 2600        | 50      | 28       | 0.01             | 0.608                | 21.02             | 22.50                 | 1.406          | 0.855                 | /         |
|                                                                                | DSI2            |                    |             | Back Side   | 0                  | 520000 | 2600        | 50      | 28       | 0.14             | 0.523                | 21.02             | 22.50                 | 1.406          | 0.735                 | /         |
|                                                                                | DSI2            |                    |             | Bottom Edge | 0                  | 520000 | 2600        | 50      | 28       | 0.03             | 0.854                | 21.02             | 22.50                 | 1.406          | 1.201                 | /         |
| Sensor(N-1)                                                                    |                 |                    |             |             |                    |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.2                                                                          | Off             | DFT-s-OFDM<br>BPSK | SA          | Front Side  | 5                  | 519000 | 2595        | 1       | 1        | 0.00             | 0.777                | 24.66             | 25.00                 | 1.081          | 0.840                 | /         |
|                                                                                | Off             |                    |             | Back Side   | 5                  | 519000 | 2595        | 1       | 1        | 0.02             | 1.230                | 24.66             | 25.00                 | 1.081          | 1.330                 | /         |
|                                                                                | Off             |                    |             | Top Edge    | 5                  | 519000 | 2595        | 1       | 1        | -0.14            | 1.160                | 24.66             | 25.00                 | 1.081          | 1.254                 | /         |
|                                                                                | Off             |                    |             | Front Side  | 5                  | 519000 | 2595        | 50      | 28       | -0.07            | 0.730                | 24.58             | 25.00                 | 1.102          | 0.804                 | /         |
|                                                                                | Off             |                    |             | Back Side   | 5                  | 519000 | 2595        | 50      | 28       | 0.03             | 1.180                | 24.58             | 25.00                 | 1.102          | 1.300                 | /         |
|                                                                                | Off             |                    |             | Top Edge    | 5                  | 519000 | 2595        | 50      | 28       | -0.09            | 1.140                | 24.58             | 25.00                 | 1.102          | 1.256                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                    |             |             |                    |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.28 n41 (100MHz Bandwidth)

| Antenna | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head    |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.2   | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 528000 | 2640        | 1       | 137      | -0.03            | 0.213               | 15.81             | 17.00                 | 1.315          | 0.280                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 528000 | 2640        | 1       | 137      | -0.05            | 0.362               | 15.81             | 17.00                 | 1.315          | 0.476                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 528000 | 2640        | 1       | 137      | -0.15            | 0.705               | 15.81             | 17.00                 | 1.315          | <b>0.927</b>         | 90#       |
|         | DSI1            |                 |             | Right Tilt  | 0          | 528000 | 2640        | 1       | 137      | -0.13            | 0.482               | 15.81             | 17.00                 | 1.315          | 0.634                | /         |
|         | DSI1            |                 |             | Left Cheek  | 0          | 523302 | 2616.51     | 135     | 69       | -0.10            | 0.209               | 15.53             | 17.00                 | 1.403          | 0.293                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 523302 | 2616.51     | 135     | 69       | 0.11             | 0.338               | 15.53             | 17.00                 | 1.403          | 0.474                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 523302 | 2616.51     | 135     | 69       | -0.04            | 0.609               | 15.53             | 17.00                 | 1.403          | 0.854                | /         |
|         | DSI1            |                 |             | Right Tilt  | 0          | 523302 | 2616.51     | 135     | 69       | 0.02             | 0.420               | 15.53             | 17.00                 | 1.403          | 0.589                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 509202 | 2546.01     | 1       | 1        | -0.12            | 0.698               | 15.80             | 17.00                 | 1.318          | 0.920                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 513900 | 2569.5      | 1       | 271      | -0.01            | 0.676               | 15.76             | 17.00                 | 1.330          | 0.899                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 518598 | 2592.99     | 1       | 1        | -0.11            | 0.621               | 15.27             | 17.00                 | 1.489          | 0.925                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 523302 | 2616.51     | 1       | 137      | 0.09             | 0.673               | 15.76             | 17.00                 | 1.330          | 0.895                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 509202 | 2546.01     | 135     | 69       | 0.07             | 0.612               | 15.40             | 17.00                 | 1.445          | 0.884                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 513900 | 2569.5      | 135     | 138      | 0.05             | 0.630               | 15.48             | 17.00                 | 1.419          | 0.894                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 518598 | 2592.99     | 135     | 0        | 0.15             | 0.641               | 15.46             | 17.00                 | 1.426          | 0.914                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 528000 | 2640        | 135     | 0        | 0.10             | 0.604               | 15.25             | 17.00                 | 1.496          | 0.904                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 528000 | 2640        | 270     | 0        | -0.01            | 0.507               | 15.63             | 17.00                 | 1.371          | 0.695                | /         |
| Ant.4   | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 509202 | 2546.01     | 1       | 271      | -0.13            | 0.091               | 15.65             | 17.00                 | 1.365          | 0.124                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 509202 | 2546.01     | 1       | 271      | 0.06             | 0.054               | 15.65             | 17.00                 | 1.365          | 0.074                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 509202 | 2546.01     | 1       | 271      | 0.05             | 0.311               | 15.65             | 17.00                 | 1.365          | 0.425                | /         |
|         | DSI1            |                 |             | Right Tilt  | 0          | 509202 | 2546.01     | 1       | 271      | -0.06            | 0.110               | 15.65             | 17.00                 | 1.365          | 0.150                | /         |
|         | DSI1            |                 |             | Left Cheek  | 0          | 509202 | 2546.01     | 135     | 69       | -0.07            | 0.092               | 15.64             | 17.00                 | 1.368          | 0.126                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 509202 | 2546.01     | 135     | 69       | 0.08             | 0.051               | 15.64             | 17.00                 | 1.368          | 0.070                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 509202 | 2546.01     | 135     | 69       | 0.15             | 0.309               | 15.64             | 17.00                 | 1.368          | 0.423                | /         |
|         | DSI1            |                 |             | Right Tilt  | 0          | 509202 | 2546.01     | 135     | 69       | 0.09             | 0.110               | 15.64             | 17.00                 | 1.368          | 0.150                | /         |
| Ant.5   | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 518598 | 2592.99     | 1       | 271      | -0.02            | 0.298               | 20.38             | 21.00                 | 1.153          | 0.344                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 518598 | 2592.99     | 1       | 271      | 0.15             | 0.101               | 20.38             | 21.00                 | 1.153          | 0.116                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 518598 | 2592.99     | 1       | 271      | 0.04             | 0.434               | 20.38             | 21.00                 | 1.153          | 0.500                | /         |
|         | DSI1            |                 |             | Right Tilt  | 0          | 518598 | 2592.99     | 1       | 271      | -0.09            | 0.063               | 20.38             | 21.00                 | 1.153          | 0.073                | /         |
|         | DSI1            |                 |             | Left Cheek  | 0          | 523302 | 2616.51     | 135     | 138      | -0.10            | 0.294               | 20.12             | 21.00                 | 1.225          | 0.360                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 523302 | 2616.51     | 135     | 138      | 0.07             | 0.095               | 20.12             | 21.00                 | 1.225          | 0.116                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 523302 | 2616.51     | 135     | 138      | -0.02            | 0.397               | 20.12             | 21.00                 | 1.225          | 0.486                | /         |
|         | DSI1            |                 |             | Right Tilt  | 0          | 523302 | 2616.51     | 135     | 138      | 0.05             | 0.058               | 20.12             | 21.00                 | 1.225          | 0.071                | /         |
| Ant.3   | DSI1            | DFT-s-          | SA          | Left Cheek  | 0          | 513900 | 2569.5      | 1       | 271      | -0.08            | 0.104               | 23.74             | 24.50                 | 1.191          | 0.124                | /         |
|         | DSI1            |                 |             | Left Tilt   | 0          | 513900 | 2569.5      | 1       | 271      | -0.12            | 0.082               | 23.74             | 24.50                 | 1.191          | 0.098                | /         |
|         | DSI1            |                 |             | Right Cheek | 0          | 513900 | 2569.5      | 1       | 271      | 0.02             | 0.091               | 23.74             | 24.50                 | 1.191          | 0.108                | /         |

|           |      |           |    |             |    |        |         |     |     |       |       |       |       |       |       |     |
|-----------|------|-----------|----|-------------|----|--------|---------|-----|-----|-------|-------|-------|-------|-------|-------|-----|
|           | DSI1 | OFDM      |    | Right Tilt  | 0  | 513900 | 2569.5  | 1   | 271 | -0.03 | 0.060 | 23.74 | 24.50 | 1.191 | 0.071 | /   |
|           | DSI1 | BPSK      |    | Left Cheek  | 0  | 523302 | 2616.51 | 135 | 138 | -0.06 | 0.107 | 23.87 | 24.50 | 1.156 | 0.124 | /   |
|           | DSI1 |           |    | Left Tilt   | 0  | 523302 | 2616.51 | 135 | 138 | -0.03 | 0.083 | 23.87 | 24.50 | 1.156 | 0.096 | /   |
|           | DSI1 |           |    | Right Cheek | 0  | 523302 | 2616.51 | 135 | 138 | 0.13  | 0.090 | 23.87 | 24.50 | 1.156 | 0.104 | /   |
|           | DSI1 |           |    | Right Tilt  | 0  | 523302 | 2616.51 | 135 | 138 | -0.07 | 0.052 | 23.87 | 24.50 | 1.156 | 0.060 | /   |
| Body-worn |      |           |    |             |    |        |         |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI2 | DFT-      | SA | Front Side  | 15 | 518598 | 2592.99 | 1   | 137 | 0.08  | 0.221 | 24.25 | 25.50 | 1.334 | 0.295 | /   |
|           | DSI2 | s-        |    | Back Side   | 15 | 518598 | 2592.99 | 1   | 137 | -0.02 | 0.353 | 24.25 | 25.50 | 1.334 | 0.471 | 91# |
|           | DSI2 | OFDM      |    | Front Side  | 15 | 513900 | 2569.5  | 135 | 69  | 0.03  | 0.202 | 24.03 | 25.50 | 1.403 | 0.283 | /   |
|           | DSI2 | BPSK      |    | Back Side   | 15 | 513900 | 2569.5  | 135 | 69  | -0.10 | 0.334 | 24.03 | 25.50 | 1.403 | 0.469 | /   |
| Ant.4     | DSI2 | DFT-      | SA | Front Side  | 15 | 509202 | 2546.01 | 1   | 1   | -0.09 | 0.068 | 20.13 | 21.00 | 1.222 | 0.083 | /   |
|           | DSI2 | s-        |    | Back Side   | 15 | 509202 | 2546.01 | 1   | 1   | 0.03  | 0.115 | 20.13 | 21.00 | 1.222 | 0.141 | /   |
|           | DSI2 | OFDM      |    | Front Side  | 15 | 523302 | 2616.51 | 135 | 69  | -0.12 | 0.066 | 20.15 | 21.00 | 1.216 | 0.080 | /   |
|           | DSI2 | BPSK      |    | Back Side   | 15 | 523302 | 2616.51 | 135 | 69  | -0.07 | 0.112 | 20.15 | 21.00 | 1.216 | 0.136 | /   |
| Ant.5     | DSI2 | DFT-      | SA | Front Side  | 15 | 518598 | 2592.99 | 1   | 271 | -0.14 | 0.048 | 20.38 | 21.00 | 1.153 | 0.055 | /   |
|           | DSI2 | s-        |    | Back Side   | 15 | 518598 | 2592.99 | 1   | 271 | -0.13 | 0.072 | 20.38 | 21.00 | 1.153 | 0.083 | /   |
|           | DSI2 | OFDM      |    | Front Side  | 15 | 523302 | 2616.51 | 135 | 138 | 0.13  | 0.045 | 20.12 | 21.00 | 1.225 | 0.055 | /   |
|           | DSI2 | BPSK      |    | Back Side   | 15 | 523302 | 2616.51 | 135 | 138 | -0.09 | 0.068 | 20.12 | 21.00 | 1.225 | 0.083 | /   |
| Ant.3     | DSI2 | DFT-      | SA | Front Side  | 15 | 513900 | 2569.5  | 1   | 271 | 0.04  | 0.111 | 20.81 | 21.50 | 1.172 | 0.130 | /   |
|           | DSI2 | s-        |    | Back Side   | 15 | 513900 | 2569.5  | 1   | 271 | 0.11  | 0.139 | 20.81 | 21.50 | 1.172 | 0.163 | /   |
|           | DSI2 | OFDM      |    | Front Side  | 15 | 523302 | 2616.51 | 135 | 138 | 0.11  | 0.100 | 21.02 | 21.50 | 1.117 | 0.112 | /   |
|           | DSI2 | BPSK      |    | Back Side   | 15 | 523302 | 2616.51 | 135 | 138 | 0.06  | 0.133 | 21.02 | 21.50 | 1.117 | 0.149 | /   |
| Hotspot   |      |           |    |             |    |        |         |     |     |       |       |       |       |       |       |     |
| Ant.2     | DSI5 | DFT-s-    | SA | Front Side  | 10 | 528000 | 2640    | 1   | 137 | 0.07  | 0.069 | 15.81 | 17.00 | 1.315 | 0.091 | /   |
|           | DSI5 |           |    | Back Side   | 10 | 528000 | 2640    | 1   | 137 | 0.07  | 0.109 | 15.81 | 17.00 | 1.315 | 0.143 | /   |
|           | DSI5 |           |    | Left Edge   | 10 | 528000 | 2640    | 1   | 137 | -0.09 | 0.021 | 15.81 | 17.00 | 1.315 | 0.028 | /   |
|           | DSI5 |           |    | Top Edge    | 10 | 528000 | 2640    | 1   | 137 | -0.08 | 0.116 | 15.81 | 17.00 | 1.315 | 0.153 | /   |
|           | DSI5 | OFDM BPSK |    | Front Side  | 10 | 523302 | 2616.51 | 135 | 69  | 0.06  | 0.072 | 15.53 | 17.00 | 1.403 | 0.101 | /   |
|           | DSI5 |           |    | Back Side   | 10 | 523302 | 2616.51 | 135 | 69  | -0.08 | 0.110 | 15.53 | 17.00 | 1.403 | 0.154 | /   |
|           | DSI5 |           |    | Left Edge   | 10 | 523302 | 2616.51 | 135 | 69  | -0.01 | 0.023 | 15.53 | 17.00 | 1.403 | 0.032 | /   |
|           | DSI5 |           |    | Top Edge    | 10 | 523302 | 2616.51 | 135 | 69  | 0.04  | 0.120 | 15.53 | 17.00 | 1.403 | 0.168 | /   |
| Ant.4     | DSI5 | DFT-s-    | SA | Front Side  | 10 | 509202 | 2546.01 | 1   | 271 | 0.10  | 0.048 | 15.65 | 17.00 | 1.365 | 0.066 | /   |
|           | DSI5 |           |    | Back Side   | 10 | 509202 | 2546.01 | 1   | 271 | 0.01  | 0.089 | 15.65 | 17.00 | 1.365 | 0.121 | /   |
|           | DSI5 |           |    | Left Edge   | 10 | 509202 | 2546.01 | 1   | 271 | 0.07  | 0.104 | 15.65 | 17.00 | 1.365 | 0.142 | /   |
|           | DSI5 |           |    | Top Edge    | 10 | 509202 | 2546.01 | 1   | 271 | -0.12 | 0.032 | 15.65 | 17.00 | 1.365 | 0.044 | /   |
|           | DSI5 | OFDM BPSK |    | Front Side  | 10 | 509202 | 2546.01 | 135 | 69  | -0.04 | 0.046 | 15.64 | 17.00 | 1.368 | 0.063 | /   |
|           | DSI5 |           |    | Back Side   | 10 | 509202 | 2546.01 | 135 | 69  | -0.04 | 0.087 | 15.64 | 17.00 | 1.368 | 0.119 | /   |
|           | DSI5 |           |    | Left Edge   | 10 | 509202 | 2546.01 | 135 | 69  | 0.14  | 0.099 | 15.64 | 17.00 | 1.368 | 0.135 | /   |
|           | DSI5 |           |    | Top Edge    | 10 | 509202 | 2546.01 | 135 | 69  | 0.09  | 0.031 | 15.64 | 17.00 | 1.368 | 0.042 | /   |
| Ant.5     | DSI5 | DFT-      | SA | Front Side  | 10 | 518598 | 2592.99 | 1   | 271 | 0.05  | 0.081 | 20.38 | 21.00 | 1.153 | 0.093 | /   |
|           | DSI5 | s-        |    | Back Side   | 10 | 518598 | 2592.99 | 1   | 271 | 0.12  | 0.141 | 20.38 | 21.00 | 1.153 | 0.163 | /   |
|           | DSI5 | OFDM      |    | Right Edge  | 10 | 518598 | 2592.99 | 1   | 271 | -0.02 | 0.213 | 20.38 | 21.00 | 1.153 | 0.246 | /   |
|           | DSI5 | BPSK      |    | Front Side  | 10 | 523302 | 2616.51 | 135 | 138 | -0.09 | 0.075 | 20.12 | 21.00 | 1.225 | 0.092 | /   |

|                                                                                |             |                 |    |             |    |        |         |     |     |       |       |       |       |       |       |     |
|--------------------------------------------------------------------------------|-------------|-----------------|----|-------------|----|--------|---------|-----|-----|-------|-------|-------|-------|-------|-------|-----|
|                                                                                | DSI5        |                 |    | Back Side   | 10 | 523302 | 2616.51 | 135 | 138 | 0.10  | 0.142 | 20.12 | 21.00 | 1.225 | 0.174 | /   |
|                                                                                | DSI5        |                 |    | Right Edge  | 10 | 523302 | 2616.51 | 135 | 138 | 0.00  | 0.205 | 20.12 | 21.00 | 1.225 | 0.251 | /   |
| Ant.3                                                                          | DSI5        | DFT-s-OFDM BPSK | SA | Front Side  | 10 | 513900 | 2569.5  | 1   | 271 | 0.03  | 0.267 | 20.81 | 21.50 | 1.172 | 0.313 | /   |
|                                                                                | DSI5        |                 |    | Back Side   | 10 | 513900 | 2569.5  | 1   | 271 | 0.06  | 0.372 | 20.81 | 21.50 | 1.172 | 0.436 | /   |
|                                                                                | DSI5        |                 |    | Right Edge  | 10 | 513900 | 2569.5  | 1   | 271 | 0.03  | 0.074 | 20.81 | 21.50 | 1.172 | 0.087 | /   |
|                                                                                | DSI5        |                 |    | Bottom Edge | 10 | 513900 | 2569.5  | 1   | 271 | 0.02  | 0.644 | 20.81 | 21.50 | 1.172 | 0.755 | 92# |
|                                                                                | DSI5        |                 |    | Front Side  | 10 | 523302 | 2616.51 | 135 | 138 | -0.10 | 0.240 | 21.02 | 21.50 | 1.117 | 0.268 | /   |
|                                                                                | DSI5        |                 |    | Back Side   | 10 | 523302 | 2616.51 | 135 | 138 | 0.07  | 0.369 | 21.02 | 21.50 | 1.117 | 0.412 | /   |
|                                                                                | DSI5        |                 |    | Right Edge  | 10 | 523302 | 2616.51 | 135 | 138 | -0.02 | 0.069 | 21.02 | 21.50 | 1.117 | 0.077 | /   |
|                                                                                | DSI5        |                 |    | Bottom Edge | 10 | 523302 | 2616.51 | 135 | 138 | -0.07 | 0.620 | 21.02 | 21.50 | 1.117 | 0.693 | /   |
|                                                                                | Sensor(N-1) |                 |    |             |    |        |         |     |     |       |       |       |       |       |       |     |
| Ant.3                                                                          | Off         | DFT-s-OFDM BPSK | SA | Front Side  | 15 | 513900 | 2569.5  | 1   | 271 | -0.12 | 0.315 | 23.74 | 24.50 | 1.191 | 0.375 | /   |
|                                                                                | Off         |                 |    | Back Side   | 15 | 513900 | 2569.5  | 1   | 271 | 0.12  | 0.421 | 23.74 | 24.50 | 1.191 | 0.501 | /   |
|                                                                                | Off         |                 |    | Top Edge    | 15 | 513900 | 2569.5  | 1   | 271 | 0.00  | 0.081 | 23.74 | 24.50 | 1.191 | 0.096 | /   |
|                                                                                | Off         |                 |    | Top Edge    | 15 | 513900 | 2569.5  | 1   | 271 | -0.01 | 0.412 | 23.74 | 24.50 | 1.191 | 0.491 | /   |
|                                                                                | Off         |                 |    | Front Side  | 15 | 523302 | 2616.51 | 135 | 138 | -0.02 | 0.291 | 23.87 | 24.50 | 1.156 | 0.336 | /   |
|                                                                                | Off         |                 |    | Back Side   | 15 | 523302 | 2616.51 | 135 | 138 | 0.05  | 0.394 | 23.87 | 24.50 | 1.156 | 0.455 | /   |
|                                                                                | Off         |                 |    | Top Edge    | 15 | 523302 | 2616.51 | 135 | 138 | 0.01  | 0.073 | 23.87 | 24.50 | 1.156 | 0.084 | /   |
|                                                                                | Off         |                 |    | Top Edge    | 15 | 523302 | 2616.51 | 135 | 138 | -0.05 | 0.379 | 23.87 | 24.50 | 1.156 | 0.438 | /   |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |             |                 |    |             |    |        |         |     |     |       |       |       |       |       |       |     |

| Antenna                                                                        | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific                                                                       |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant. 2                                                                         | DSI3            | DFT-s-OFDM BPSK | SA          | Front Side  | 0          | 518598 | 2592.99     | 1       | 137      | -0.12            | 0.835                | 18.82             | 20.00                 | 1.312          | 1.096                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 518598 | 2592.99     | 1       | 137      | 0.03             | 0.528                | 18.82             | 20.00                 | 1.312          | 0.693                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 518598 | 2592.99     | 1       | 137      | -0.02            | 1.670                | 18.82             | 20.00                 | 1.312          | 2.191                 | 93#       |
|                                                                                | DSI3            |                 |             | Front Side  | 0          | 513900 | 2569.5      | 135     | 69       | -0.08            | 0.815                | 18.50             | 20.00                 | 1.413          | 1.152                 | /         |
|                                                                                | DSI3            |                 |             | Back Side   | 0          | 513900 | 2569.5      | 135     | 69       | -0.03            | 0.520                | 18.50             | 20.00                 | 1.413          | 0.735                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 513900 | 2569.5      | 135     | 69       | -0.06            | 1.520                | 18.50             | 20.00                 | 1.413          | 2.148                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 509202 | 2546.01     | 1       | 1        | 0.11             | 1.490                | 18.77             | 20.00                 | 1.327          | 1.977                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 513900 | 2569.5      | 1       | 271      | 0.13             | 1.540                | 18.78             | 20.00                 | 1.324          | 2.039                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 523302 | 2616.51     | 1       | 137      | -0.12            | 1.580                | 18.65             | 20.00                 | 1.365          | 2.157                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 528000 | 2640        | 1       | 137      | -0.07            | 1.510                | 18.59             | 20.00                 | 1.384          | 2.090                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 509202 | 2546.01     | 135     | 69       | -0.07            | 1.520                | 18.42             | 20.00                 | 1.439          | 2.187                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 518598 | 2592.99     | 135     | 69       | 0.13             | 1.500                | 18.44             | 20.00                 | 1.432          | 2.148                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 523302 | 2616.51     | 135     | 69       | -0.01            | 1.520                | 18.46             | 20.00                 | 1.426          | 2.168                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 528000 | 2640        | 135     | 69       | -0.13            | 1.460                | 18.29             | 20.00                 | 1.483          | 2.165                 | /         |
|                                                                                | DSI3            |                 |             | Top Edge    | 0          | 528000 | 2640        | 270     | 0        | 0.13             | 1.380                | 18.27             | 20.00                 | 1.489          | 2.055                 | /         |
| Ant. 4                                                                         | DSI2            | DFT-s-OFDM BPSK | SA          | Left Edge   | 0          | 509202 | 2546.01     | 1       | 1        | -0.06            | 0.828                | 20.13             | 21.00                 | 1.222          | 1.012                 | /         |
|                                                                                | DSI2            |                 |             | Left Edge   | 0          | 523302 | 2616.51     | 135     | 69       | -0.04            | 0.833                | 20.15             | 21.00                 | 1.216          | 1.013                 | /         |
| Ant. 3                                                                         | DSI2            | DFT-s-OFDM BPSK | SA          | Bottom Edge | 0          | 513900 | 2569.5      | 1       | 271      | 0.11             | 0.820                | 20.81             | 21.50                 | 1.172          | 0.961                 | /         |
|                                                                                | DSI2            |                 |             | Bottom Edge | 0          | 523302 | 2616.51     | 135     | 138      | 0.15             | 0.817                | 21.02             | 21.50                 | 1.117          | 0.913                 | /         |
| Sensor(N-1)                                                                    |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant. 2                                                                         | Off             | DFT-s-OFDM BPSK | SA          | Front Side  | 5          | 518598 | 2592.99     | 1       | 137      | -0.11            | 0.615                | 24.25             | 25.50                 | 1.334          | 0.820                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 518598 | 2592.99     | 1       | 137      | 0.11             | 1.040                | 24.25             | 25.50                 | 1.334          | 1.387                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 518598 | 2592.99     | 1       | 137      | 0.14             | 0.773                | 24.25             | 25.50                 | 1.334          | 1.031                 | /         |
|                                                                                | Off             |                 |             | Front Side  | 5          | 513900 | 2569.5      | 135     | 69       | -0.02            | 0.589                | 24.03             | 25.50                 | 1.403          | 0.826                 | /         |
|                                                                                | Off             |                 |             | Back Side   | 5          | 513900 | 2569.5      | 135     | 69       | 0.14             | 0.998                | 24.03             | 25.50                 | 1.403          | 1.400                 | /         |
|                                                                                | Off             |                 |             | Top Edge    | 5          | 513900 | 2569.5      | 135     | 69       | 0.10             | 0.742                | 24.03             | 25.50                 | 1.403          | 1.041                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |                 |             |             |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.29 n48 (40MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.6     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 638000 | 3570        | 1       | 104      | -0.02            | 0.208               | 15.14             | 15.50                 | 1.086          | 0.226                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 638000 | 3570        | 1       | 104      | 0.08             | 0.223               | 15.14             | 15.50                 | 1.086          | 0.242                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 638000 | 3570        | 1       | 104      | 0.00             | 0.726               | 15.14             | 15.50                 | 1.086          | 0.788                | 94#       |
|           | DSI1            |                 |             | Right Tilt  | 0          | 638000 | 3570        | 1       | 104      | -0.07            | 0.632               | 15.14             | 15.50                 | 1.086          | 0.686                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 641666 | 3624.99     | 50      | 28       | -0.10            | 0.204               | 15.37             | 15.50                 | 1.030          | 0.210                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 641666 | 3624.99     | 50      | 28       | 0.11             | 0.216               | 15.37             | 15.50                 | 1.030          | 0.222                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 641666 | 3624.99     | 50      | 28       | 0.08             | 0.710               | 15.37             | 15.50                 | 1.030          | 0.731                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 641666 | 3624.99     | 50      | 28       | 0.05             | 0.620               | 15.37             | 15.50                 | 1.030          | 0.639                | /         |
| Ant.7     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 645332 | 3679.98     | 1       | 104      | 0.11             | 0.526               | 14.40             | 15.50                 | 1.288          | 0.677                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 645332 | 3679.98     | 1       | 104      | -0.11            | 0.553               | 14.40             | 15.50                 | 1.288          | 0.712                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 645332 | 3679.98     | 1       | 104      | -0.14            | 0.321               | 14.40             | 15.50                 | 1.288          | 0.413                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 645332 | 3679.98     | 1       | 104      | -0.10            | 0.378               | 14.40             | 15.50                 | 1.288          | 0.487                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 645332 | 3679.98     | 50      | 0        | 0.15             | 0.514               | 14.50             | 15.50                 | 1.259          | 0.647                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 645332 | 3679.98     | 50      | 0        | 0.02             | 0.550               | 14.50             | 15.50                 | 1.259          | 0.692                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 645332 | 3679.98     | 50      | 0        | 0.06             | 0.314               | 14.50             | 15.50                 | 1.259          | 0.395                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 645332 | 3679.98     | 50      | 0        | 0.13             | 0.371               | 14.50             | 15.50                 | 1.259          | 0.467                | /         |
| Ant.8     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 638000 | 3570        | 1       | 1        | 0.08             | 0.132               | 22.33             | 23.50                 | 1.309          | 0.173                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 638000 | 3570        | 1       | 1        | -0.01            | 0.096               | 22.33             | 23.50                 | 1.309          | 0.126                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 638000 | 3570        | 1       | 1        | 0.00             | 0.267               | 22.33             | 23.50                 | 1.309          | 0.350                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 638000 | 3570        | 1       | 1        | 0.02             | 0.140               | 22.33             | 23.50                 | 1.309          | 0.183                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 641666 | 3624.99     | 50      | 28       | 0.10             | 0.126               | 22.13             | 23.50                 | 1.371          | 0.173                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 641666 | 3624.99     | 50      | 28       | 0.03             | 0.092               | 22.13             | 23.50                 | 1.371          | 0.126                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 641666 | 3624.99     | 50      | 28       | 0.12             | 0.249               | 22.13             | 23.50                 | 1.371          | 0.341                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 641666 | 3624.99     | 50      | 28       | 0.06             | 0.131               | 22.13             | 23.50                 | 1.371          | 0.180                | /         |
| Ant.9     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 638000 | 3570        | 1       | 1        | 0.00             | 0.560               | 15.08             | 16.00                 | 1.236          | 0.692                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 638000 | 3570        | 1       | 1        | 0.15             | 0.155               | 15.08             | 16.00                 | 1.236          | 0.192                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 638000 | 3570        | 1       | 1        | 0.00             | 0.142               | 15.08             | 16.00                 | 1.236          | 0.176                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 638000 | 3570        | 1       | 1        | -0.13            | 0.097               | 15.08             | 16.00                 | 1.236          | 0.120                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 638000 | 3570        | 50      | 28       | 0.07             | 0.477               | 14.92             | 16.00                 | 1.282          | 0.612                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 638000 | 3570        | 50      | 28       | 0.15             | 0.155               | 14.92             | 16.00                 | 1.282          | 0.199                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 638000 | 3570        | 50      | 28       | -0.04            | 0.136               | 14.92             | 16.00                 | 1.282          | 0.174                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 638000 | 3570        | 50      | 28       | -0.14            | 0.094               | 14.92             | 16.00                 | 1.282          | 0.121                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.6     | DSI2            | DFT-s-          | SA          | Front Side  | 15         | 641666 | 3624.99     | 1       | 1        | -0.08            | 0.159               | 19.09             | 19.50                 | 1.099          | 0.175                | /         |
|           | DSI2            | OFDM            |             | Back Side   | 15         | 641666 | 3624.99     | 1       | 1        | -0.01            | 0.236               | 19.09             | 19.50                 | 1.099          | 0.259                | 95#       |
|           | DSI2            | BPSK            |             | Front Side  | 15         | 645332 | 3679.98     | 50      | 28       | -0.05            | 0.150               | 18.87             | 19.50                 | 1.156          | 0.173                | /         |

|         |            |                    |    |            |        |         |         |     |       |       |       |       |       |       |       |   |
|---------|------------|--------------------|----|------------|--------|---------|---------|-----|-------|-------|-------|-------|-------|-------|-------|---|
|         | DSI2       |                    |    | Back Side  | 15     | 645332  | 3679.98 | 50  | 28    | -0.10 | 0.223 | 18.87 | 19.50 | 1.156 | 0.258 | / |
| Ant.7   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 645332  | 3679.98 | 1   | 104   | 0.02  | 0.195 | 20.39 | 21.50 | 1.291 | 0.252 | / |
|         | Back Side  |                    |    | 15         | 645332 | 3679.98 | 1       | 104 | 0.15  | 0.178 | 20.39 | 21.50 | 1.291 | 0.230 | /     |   |
|         | Front Side |                    |    | 15         | 645332 | 3679.98 | 50      | 28  | 0.07  | 0.184 | 20.06 | 21.50 | 1.393 | 0.256 | /     |   |
|         | Back Side  |                    |    | 15         | 645332 | 3679.98 | 50      | 28  | -0.09 | 0.167 | 20.06 | 21.50 | 1.393 | 0.233 | /     |   |
| Ant.8   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 638000  | 3570    | 1   | 1     | -0.04 | 0.012 | 22.33 | 23.50 | 1.309 | 0.016 | / |
|         | Back Side  |                    |    | 15         | 638000 | 3570    | 1       | 1   | -0.04 | 0.107 | 22.33 | 23.50 | 1.309 | 0.140 | /     |   |
|         | Front Side |                    |    | 15         | 641666 | 3624.99 | 50      | 28  | 0.05  | 0.009 | 22.13 | 23.50 | 1.371 | 0.012 | /     |   |
|         | Back Side  |                    |    | 15         | 641666 | 3624.99 | 50      | 28  | 0.02  | 0.090 | 22.13 | 23.50 | 1.371 | 0.123 | /     |   |
| Ant.9   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 638000  | 3570    | 1   | 1     | -0.06 | 0.103 | 19.97 | 21.00 | 1.268 | 0.131 | / |
|         | Back Side  |                    |    | 15         | 638000 | 3570    | 1       | 1   | 0.00  | 0.189 | 19.97 | 21.00 | 1.268 | 0.240 | /     |   |
|         | Front Side |                    |    | 15         | 638000 | 3570    | 50      | 28  | 0.08  | 0.091 | 19.59 | 21.00 | 1.384 | 0.126 | /     |   |
|         | Back Side  |                    |    | 15         | 638000 | 3570    | 50      | 28  | -0.13 | 0.171 | 19.59 | 21.00 | 1.384 | 0.237 | /     |   |
| Hotspot |            |                    |    |            |        |         |         |     |       |       |       |       |       |       |       |   |
| Ant.6   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 638000  | 3570    | 1   | 104   | -0.12 | 0.148 | 15.14 | 15.50 | 1.086 | 0.161 | / |
|         | Back Side  |                    |    | 10         | 638000 | 3570    | 1       | 104 | -0.11 | 0.283 | 15.14 | 15.50 | 1.086 | 0.307 | /     |   |
|         | Left Edge  |                    |    | 10         | 638000 | 3570    | 1       | 104 | -0.12 | 0.194 | 15.14 | 15.50 | 1.086 | 0.211 | /     |   |
|         | Top Edge   |                    |    | 10         | 638000 | 3570    | 1       | 104 | -0.12 | 0.296 | 15.14 | 15.50 | 1.086 | 0.321 | /     |   |
|         | Front Side |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | -0.04 | 0.142 | 15.37 | 15.50 | 1.030 | 0.146 | /     |   |
|         | Back Side  |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | 0.01  | 0.281 | 15.37 | 15.50 | 1.030 | 0.289 | /     |   |
|         | Left Edge  |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | 0.10  | 0.190 | 15.37 | 15.50 | 1.030 | 0.196 | /     |   |
|         | Top Edge   |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | -0.12 | 0.296 | 15.37 | 15.50 | 1.030 | 0.305 | /     |   |
| Ant.7   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 645332  | 3679.98 | 1   | 104   | 0.10  | 0.091 | 14.40 | 15.50 | 1.288 | 0.117 | / |
|         | Back Side  |                    |    | 10         | 645332 | 3679.98 | 1       | 104 | -0.11 | 0.076 | 14.40 | 15.50 | 1.288 | 0.098 | /     |   |
|         | Right Edge |                    |    | 10         | 645332 | 3679.98 | 1       | 104 | -0.10 | 0.029 | 14.40 | 15.50 | 1.288 | 0.037 | /     |   |
|         | Top Edge   |                    |    | 10         | 645332 | 3679.98 | 1       | 104 | 0.01  | 0.186 | 14.40 | 15.50 | 1.288 | 0.240 | /     |   |
|         | Front Side |                    |    | 10         | 645332 | 3679.98 | 50      | 0   | 0.08  | 0.089 | 14.50 | 15.50 | 1.259 | 0.112 | /     |   |
|         | Back Side  |                    |    | 10         | 645332 | 3679.98 | 50      | 0   | -0.09 | 0.076 | 14.50 | 15.50 | 1.259 | 0.096 | /     |   |
|         | Right Edge |                    |    | 10         | 645332 | 3679.98 | 50      | 0   | 0.14  | 0.027 | 14.50 | 15.50 | 1.259 | 0.034 | /     |   |
|         | Top Edge   |                    |    | 10         | 645332 | 3679.98 | 50      | 0   | 0.10  | 0.187 | 14.50 | 15.50 | 1.259 | 0.235 | /     |   |
| Ant.8   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 638000  | 3570    | 1   | 1     | -0.01 | 0.082 | 22.33 | 23.50 | 1.309 | 0.107 | / |
|         | Back Side  |                    |    | 10         | 638000 | 3570    | 1       | 1   | -0.02 | 0.338 | 22.33 | 23.50 | 1.309 | 0.442 | /     |   |
|         | Left Edge  |                    |    | 10         | 638000 | 3570    | 1       | 1   | -0.10 | 0.205 | 22.33 | 23.50 | 1.309 | 0.268 | /     |   |
|         | Top Edge   |                    |    | 10         | 638000 | 3570    | 1       | 1   | -0.08 | 0.108 | 22.33 | 23.50 | 1.309 | 0.141 | /     |   |
|         | Front Side |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | -0.05 | 0.078 | 22.13 | 23.50 | 1.371 | 0.107 | /     |   |
|         | Back Side  |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | -0.05 | 0.326 | 22.13 | 23.50 | 1.371 | 0.447 | /     |   |
|         | Left Edge  |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | 0.09  | 0.192 | 22.13 | 23.50 | 1.371 | 0.263 | /     |   |
|         | Top Edge   |                    |    | 10         | 641666 | 3624.99 | 50      | 28  | 0.08  | 0.101 | 22.13 | 23.50 | 1.371 | 0.138 | /     |   |
| Ant.9   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 638000  | 3570    | 1   | 1     | 0.10  | 0.136 | 18.07 | 19.00 | 1.239 | 0.169 | / |
|         | Back Side  |                    |    | 10         | 638000 | 3570    | 1       | 1   | 0.08  | 0.261 | 18.07 | 19.00 | 1.239 | 0.323 | /     |   |
|         | Right Edge |                    |    | 10         | 638000 | 3570    | 1       | 1   | 0.05  | 0.373 | 18.07 | 19.00 | 1.239 | 0.462 | 96#   |   |
|         | Top Edge   |                    |    | 10         | 638000 | 3570    | 1       | 1   | 0.05  | 0.088 | 18.07 | 19.00 | 1.239 | 0.109 | /     |   |
|         | Front Side |                    |    | 10         | 638000 | 3570    | 50      | 28  | -0.03 | 0.123 | 17.72 | 19.00 | 1.343 | 0.165 | /     |   |

|  |      |  |  |            |    |        |      |    |    |       |       |       |       |       |       |   |
|--|------|--|--|------------|----|--------|------|----|----|-------|-------|-------|-------|-------|-------|---|
|  | DSI5 |  |  | Back Side  | 10 | 638000 | 3570 | 50 | 28 | 0.12  | 0.238 | 17.72 | 19.00 | 1.343 | 0.320 | / |
|  | DSI5 |  |  | Right Edge | 10 | 638000 | 3570 | 50 | 28 | -0.12 | 0.342 | 17.72 | 19.00 | 1.343 | 0.459 | / |
|  | DSI5 |  |  | Top Edge   | 10 | 638000 | 3570 | 50 | 28 | -0.14 | 0.081 | 17.72 | 19.00 | 1.343 | 0.109 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna | Power Reduction | Mode | Information | Position | Dist. (mm) | Ch. | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|-------------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
|---------|-----------------|------|-------------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|

Specific

|       |      |            |    |           |    |        |         |    |     |       |       |       |       |       |       |     |
|-------|------|------------|----|-----------|----|--------|---------|----|-----|-------|-------|-------|-------|-------|-------|-----|
| Ant.6 | DSI2 | DFT-s-OFDM | SA | Back Side | 0  | 641666 | 3624.99 | 1  | 1   | 0.07  | 1.240 | 19.09 | 19.50 | 1.099 | 1.363 | /   |
|       | DSI2 |            |    | Left Edge | 0  | 641666 | 3624.99 | 1  | 1   | 0.15  | 1.570 | 19.09 | 19.50 | 1.099 | 1.725 | /   |
|       | DSI2 |            |    | Top Edge  | 0  | 641666 | 3624.99 | 1  | 1   | 0.02  | 1.780 | 19.09 | 19.50 | 1.099 | 1.956 | 97# |
|       | DSI2 |            |    | Back Side | 0  | 645332 | 3679.98 | 50 | 28  | 0.08  | 1.150 | 18.87 | 19.50 | 1.156 | 1.329 | /   |
|       | DSI2 |            |    | Left Edge | 0  | 645332 | 3679.98 | 50 | 28  | 0.12  | 1.480 | 18.87 | 19.50 | 1.156 | 1.711 | /   |
|       | DSI2 |            |    | Top Edge  | 0  | 645332 | 3679.98 | 50 | 28  | 0.05  | 1.600 | 18.87 | 19.50 | 1.156 | 1.850 | /   |
| Ant.7 | DSI3 | DFT-s-OFDM | SA | Top Edge  | 10 | 645332 | 3679.98 | 1  | 104 | 0.14  | 1.440 | 18.91 | 20.00 | 1.285 | 1.850 | /   |
|       | DSI3 |            |    | Top Edge  | 10 | 641666 | 3624.99 | 50 | 28  | -0.07 | 1.350 | 18.60 | 20.00 | 1.380 | 1.863 | /   |

Sensor(N-1)

|       |     |            |    |            |   |        |         |    |     |       |       |       |       |       |       |   |
|-------|-----|------------|----|------------|---|--------|---------|----|-----|-------|-------|-------|-------|-------|-------|---|
| Ant.7 | Off | DFT-s-OFDM | SA | Front Side | 5 | 645332 | 3679.98 | 1  | 104 | 0.03  | 0.685 | 20.39 | 21.50 | 1.291 | 0.884 | / |
|       | Off |            |    | Back Side  | 5 | 645332 | 3679.98 | 1  | 104 | -0.09 | 1.480 | 20.39 | 21.50 | 1.291 | 1.911 | / |
|       | Off |            |    | Top Edge   | 5 | 645332 | 3679.98 | 1  | 104 | -0.06 | 1.340 | 20.39 | 21.50 | 1.291 | 1.730 | / |
|       | Off |            |    | Front Side | 5 | 645332 | 3679.98 | 50 | 28  | 0.14  | 0.625 | 20.06 | 21.50 | 1.393 | 0.871 | / |
|       | Off |            |    | Back Side  | 5 | 645332 | 3679.98 | 50 | 28  | -0.01 | 1.360 | 20.06 | 21.50 | 1.393 | 1.894 | / |
|       | Off |            |    | Top Edge   | 5 | 645332 | 3679.98 | 50 | 28  | -0.02 | 1.220 | 20.06 | 21.50 | 1.393 | 1.699 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.30 n77 (100MHz Bandwidth)

| Antenna | Power Reduction | Mode               | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|--------------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head    |                 |                    |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.6   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 656000 | 3840        | 1       | 137      | -0.05            | 0.138               | 16.56             | 17.50                 | 1.242          | 0.171                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 656000 | 3840        | 1       | 137      | -0.15            | 0.152               | 16.56             | 17.50                 | 1.242          | 0.189                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 1       | 137      | -0.04            | 0.663               | 16.56             | 17.50                 | 1.242          | 0.823                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 656000 | 3840        | 1       | 137      | -0.07            | 0.597               | 16.56             | 17.50                 | 1.242          | 0.741                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 69       | 0.08             | 0.113               | 16.41             | 17.50                 | 1.285          | 0.145                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 69       | -0.06            | 0.128               | 16.41             | 17.50                 | 1.285          | 0.164                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 135     | 69       | 0.08             | 0.635               | 16.41             | 17.50                 | 1.285          | 0.816                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 69       | -0.04            | 0.473               | 16.41             | 17.50                 | 1.285          | 0.608                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 1       | 137      | 0.00             | 0.692               | 16.35             | 17.50                 | 1.303          | <b>0.902</b>         | 98#       |
|         | DSI1            |                    |             | Right Cheek | 0          | 662000 | 3930        | 1       | 137      | 0.04             | 0.649               | 16.35             | 17.50                 | 1.303          | 0.846                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 135     | 69       | 0.02             | 0.621               | 16.30             | 17.50                 | 1.318          | 0.818                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 662000 | 3930        | 135     | 69       | -0.09            | 0.617               | 16.38             | 17.50                 | 1.294          | 0.798                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 270     | 0        | -0.02            | 0.584               | 16.27             | 17.50                 | 1.327          | 0.775                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 270     | 0        | -0.02            | 0.584               | 16.27             | 17.50                 | 1.327          | 0.775                | /         |
| Ant.7   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 656000 | 3840        | 1       | 1        | -0.08            | 0.638               | 13.63             | 14.00                 | 1.089          | 0.695                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 656000 | 3840        | 1       | 1        | 0.03             | 0.732               | 13.63             | 14.00                 | 1.089          | 0.797                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 1       | 1        | -0.02            | 0.315               | 13.63             | 14.00                 | 1.089          | 0.343                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 656000 | 3840        | 1       | 1        | -0.01            | 0.424               | 13.63             | 14.00                 | 1.089          | 0.462                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 662000 | 3930        | 135     | 138      | 0.12             | 0.593               | 13.61             | 14.00                 | 1.094          | 0.649                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 662000 | 3930        | 135     | 138      | -0.04            | 0.724               | 13.61             | 14.00                 | 1.094          | 0.792                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 662000 | 3930        | 135     | 138      | 0.02             | 0.307               | 13.61             | 14.00                 | 1.094          | 0.336                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 662000 | 3930        | 135     | 138      | -0.08            | 0.414               | 13.61             | 14.00                 | 1.094          | 0.453                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 662000 | 3930        | 135     | 138      | -0.08            | 0.414               | 13.61             | 14.00                 | 1.094          | 0.453                | /         |
| Ant.8   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 656000 | 3840        | 1       | 1        | 0.10             | 0.075               | 20.96             | 22.50                 | 1.426          | 0.107                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 656000 | 3840        | 1       | 1        | -0.08            | 0.035               | 20.96             | 22.50                 | 1.426          | 0.050                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 1       | 1        | 0.14             | 0.213               | 20.96             | 22.50                 | 1.426          | 0.304                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 656000 | 3840        | 1       | 1        | -0.12            | 0.098               | 20.96             | 22.50                 | 1.426          | 0.140                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 69       | -0.02            | 0.073               | 20.94             | 22.50                 | 1.432          | 0.105                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 69       | 0.03             | 0.032               | 20.94             | 22.50                 | 1.432          | 0.046                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 650000 | 3750        | 135     | 69       | 0.03             | 0.208               | 20.94             | 22.50                 | 1.432          | 0.298                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 69       | -0.13            | 0.098               | 20.94             | 22.50                 | 1.432          | 0.140                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 69       | -0.13            | 0.098               | 20.94             | 22.50                 | 1.432          | 0.140                | /         |
| Ant.9   | DSI1            | DFT-s-OFDM<br>BPSK | SA          | Left Cheek  | 0          | 656000 | 3840        | 1       | 1        | 0.06             | 0.201               | 19.45             | 20.00                 | 1.135          | 0.228                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 656000 | 3840        | 1       | 1        | 0.01             | 0.105               | 19.45             | 20.00                 | 1.135          | 0.119                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 1       | 1        | -0.01            | 0.071               | 19.45             | 20.00                 | 1.135          | 0.081                | /         |
|         | DSI1            |                    |             | Right Tilt  | 0          | 656000 | 3840        | 1       | 1        | 0.13             | 0.048               | 19.45             | 20.00                 | 1.135          | 0.054                | /         |
|         | DSI1            |                    |             | Left Cheek  | 0          | 656000 | 3840        | 135     | 69       | 0.08             | 0.175               | 18.69             | 20.00                 | 1.352          | 0.237                | /         |
|         | DSI1            |                    |             | Left Tilt   | 0          | 656000 | 3840        | 135     | 69       | -0.12            | 0.058               | 18.69             | 20.00                 | 1.352          | 0.078                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 135     | 69       | 0.03             | 0.037               | 18.69             | 20.00                 | 1.352          | 0.050                | /         |
|         | DSI1            |                    |             | Right Cheek | 0          | 656000 | 3840        | 135     | 69       | 0.03             | 0.037               | 18.69             | 20.00                 | 1.352          | 0.050                | /         |

|           |            |                    |    |            |        |        |      |     |       |       |       |       |       |       |       |   |
|-----------|------------|--------------------|----|------------|--------|--------|------|-----|-------|-------|-------|-------|-------|-------|-------|---|
|           | DSI1       |                    |    | Right Tilt | 0      | 656000 | 3840 | 135 | 69    | 0.08  | 0.039 | 18.69 | 20.00 | 1.352 | 0.053 | / |
| Body-worn |            |                    |    |            |        |        |      |     |       |       |       |       |       |       |       |   |
| Ant.6     | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 656000 | 3840 | 1   | 137   | 0.08  | 0.074 | 18.90 | 20.00 | 1.288 | 0.095 | / |
|           | Back Side  |                    |    | 15         | 656000 | 3840   | 1    | 137 | 0.10  | 0.119 | 18.90 | 20.00 | 1.288 | 0.153 | /     |   |
|           | Front Side |                    |    | 15         | 662000 | 3930   | 135  | 69  | 0.04  | 0.071 | 18.90 | 20.00 | 1.288 | 0.091 | /     |   |
|           | Back Side  |                    |    | 15         | 662000 | 3930   | 135  | 69  | 0.15  | 0.112 | 18.90 | 20.00 | 1.288 | 0.144 | /     |   |
| Ant.7     | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 656000 | 3840 | 1   | 1     | 0.07  | 0.594 | 24.13 | 24.50 | 1.089 | 0.647 | / |
|           | Back Side  |                    |    | 15         | 656000 | 3840   | 1    | 1   | -0.05 | 0.616 | 24.13 | 24.50 | 1.089 | 0.671 | 99#   |   |
|           | Front Side |                    |    | 15         | 662000 | 3930   | 135  | 0   | -0.13 | 0.481 | 23.27 | 24.50 | 1.327 | 0.638 | /     |   |
|           | Back Side  |                    |    | 15         | 662000 | 3930   | 135  | 0   | 0.04  | 0.503 | 23.27 | 24.50 | 1.327 | 0.667 | /     |   |
| Ant.8     | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 656000 | 3840 | 1   | 1     | -0.13 | 0.028 | 18.65 | 20.00 | 1.365 | 0.038 | / |
|           | Back Side  |                    |    | 15         | 656000 | 3840   | 1    | 1   | 0.06  | 0.083 | 18.65 | 20.00 | 1.365 | 0.113 | /     |   |
|           | Front Side |                    |    | 15         | 662000 | 3930   | 135  | 138 | 0.02  | 0.029 | 18.65 | 20.00 | 1.365 | 0.040 | /     |   |
|           | Back Side  |                    |    | 15         | 662000 | 3930   | 135  | 138 | -0.02 | 0.081 | 18.65 | 20.00 | 1.365 | 0.111 | /     |   |
| Ant.9     | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 656000 | 3840 | 1   | 1     | -0.12 | 0.066 | 20.88 | 21.50 | 1.153 | 0.076 | / |
|           | Back Side  |                    |    | 15         | 656000 | 3840   | 1    | 1   | -0.14 | 0.101 | 20.88 | 21.50 | 1.153 | 0.116 | /     |   |
|           | Front Side |                    |    | 15         | 656000 | 3840   | 135  | 69  | 0.09  | 0.058 | 20.39 | 21.50 | 1.291 | 0.075 | /     |   |
|           | Back Side  |                    |    | 15         | 656000 | 3840   | 135  | 69  | -0.05 | 0.086 | 20.39 | 21.50 | 1.291 | 0.111 | /     |   |
| Hotspot   |            |                    |    |            |        |        |      |     |       |       |       |       |       |       |       |   |
| Ant.6     | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 656000 | 3840 | 1   | 137   | -0.04 | 0.082 | 16.56 | 17.50 | 1.242 | 0.102 | / |
|           | Back Side  |                    |    | 10         | 656000 | 3840   | 1    | 137 | -0.15 | 0.163 | 16.56 | 17.50 | 1.242 | 0.202 | /     |   |
|           | Left Edge  |                    |    | 10         | 656000 | 3840   | 1    | 137 | 0.08  | 0.136 | 16.56 | 17.50 | 1.242 | 0.169 | /     |   |
|           | Top Edge   |                    |    | 10         | 656000 | 3840   | 1    | 137 | 0.03  | 0.141 | 16.56 | 17.50 | 1.242 | 0.175 | /     |   |
|           | Front Side |                    |    | 10         | 650000 | 3750   | 135  | 69  | -0.08 | 0.077 | 16.41 | 17.50 | 1.285 | 0.099 | /     |   |
|           | Back Side  |                    |    | 10         | 650000 | 3750   | 135  | 69  | -0.04 | 0.159 | 16.41 | 17.50 | 1.285 | 0.204 | /     |   |
|           | Left Edge  |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.12  | 0.128 | 16.41 | 17.50 | 1.285 | 0.164 | /     |   |
|           | Top Edge   |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.03  | 0.136 | 16.41 | 17.50 | 1.285 | 0.175 | /     |   |
| Ant.7     | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 656000 | 3840 | 1   | 1     | -0.13 | 0.118 | 13.63 | 14.00 | 1.089 | 0.129 | / |
|           | Back Side  |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.09  | 0.107 | 13.63 | 14.00 | 1.089 | 0.117 | /     |   |
|           | Right Edge |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.01  | 0.038 | 13.63 | 14.00 | 1.089 | 0.041 | /     |   |
|           | Top Edge   |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.09  | 0.285 | 13.63 | 14.00 | 1.089 | 0.310 | 100#  |   |
|           | Front Side |                    |    | 10         | 662000 | 3930   | 135  | 138 | 0.03  | 0.105 | 13.61 | 14.00 | 1.094 | 0.115 | /     |   |
|           | Back Side  |                    |    | 10         | 662000 | 3930   | 135  | 138 | -0.06 | 0.097 | 13.61 | 14.00 | 1.094 | 0.106 | /     |   |
|           | Right Edge |                    |    | 10         | 662000 | 3930   | 135  | 138 | 0.10  | 0.037 | 13.61 | 14.00 | 1.094 | 0.040 | /     |   |
|           | Top Edge   |                    |    | 10         | 662000 | 3930   | 135  | 138 | 0.07  | 0.277 | 13.61 | 14.00 | 1.094 | 0.303 | /     |   |
| Ant.8     | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 656000 | 3840 | 1   | 1     | -0.06 | 0.061 | 18.65 | 20.00 | 1.365 | 0.083 | / |
|           | Back Side  |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.09  | 0.224 | 18.65 | 20.00 | 1.365 | 0.306 | /     |   |
|           | Left Edge  |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.05  | 0.085 | 18.65 | 20.00 | 1.365 | 0.116 | /     |   |
|           | Top Edge   |                    |    | 10         | 656000 | 3840   | 1    | 1   | 0.15  | 0.047 | 18.65 | 20.00 | 1.365 | 0.064 | /     |   |
|           | Front Side |                    |    | 10         | 662000 | 3930   | 135  | 138 | -0.10 | 0.059 | 18.65 | 20.00 | 1.365 | 0.081 | /     |   |
|           | Back Side  |                    |    | 10         | 662000 | 3930   | 135  | 138 | -0.14 | 0.218 | 18.65 | 20.00 | 1.365 | 0.298 | /     |   |
|           | Left Edge  |                    |    | 10         | 662000 | 3930   | 135  | 138 | -0.13 | 0.083 | 18.65 | 20.00 | 1.365 | 0.113 | /     |   |
|           | Top Edge   |                    |    | 10         | 662000 | 3930   | 135  | 138 | -0.14 | 0.045 | 18.65 | 20.00 | 1.365 | 0.061 | /     |   |

|       |                                                                                |                    |    |            |    |        |      |     |    |       |       |       |       |       |       |   |
|-------|--------------------------------------------------------------------------------|--------------------|----|------------|----|--------|------|-----|----|-------|-------|-------|-------|-------|-------|---|
| Ant.9 | DSI5                                                                           | DFT-s-OFDM<br>BPSK | SA | Front Side | 10 | 656000 | 3840 | 1   | 1  | 0.07  | 0.102 | 19.45 | 20.00 | 1.135 | 0.116 | / |
|       | DSI5                                                                           |                    |    | Back Side  | 10 | 656000 | 3840 | 1   | 1  | 0.11  | 0.146 | 19.45 | 20.00 | 1.135 | 0.166 | / |
|       | DSI5                                                                           |                    |    | Right Edge | 10 | 656000 | 3840 | 1   | 1  | -0.10 | 0.149 | 19.45 | 20.00 | 1.135 | 0.169 | / |
|       | DSI5                                                                           |                    |    | Top Edge   | 10 | 656000 | 3840 | 1   | 1  | 0.08  | 0.112 | 19.45 | 20.00 | 1.135 | 0.127 | / |
|       | DSI5                                                                           |                    |    | Front Side | 10 | 656000 | 3840 | 135 | 69 | 0.13  | 0.079 | 18.69 | 20.00 | 1.352 | 0.107 | / |
|       | DSI5                                                                           |                    |    | Back Side  | 10 | 656000 | 3840 | 135 | 69 | -0.12 | 0.119 | 18.69 | 20.00 | 1.352 | 0.161 | / |
|       | DSI5                                                                           |                    |    | Right Edge | 10 | 656000 | 3840 | 135 | 69 | 0.00  | 0.124 | 18.69 | 20.00 | 1.352 | 0.168 | / |
|       | DSI5                                                                           |                    |    | Top Edge   | 10 | 656000 | 3840 | 135 | 69 | -0.08 | 0.085 | 18.69 | 20.00 | 1.352 | 0.115 | / |
|       | Note: Refer to ANNEX C for the detailed test data for each test configuration. |                    |    |            |    |        |      |     |    |       |       |       |       |       |       |   |

| Antenna     | Power Reduction                                                                | Mode            | Information | Position   | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|-------------|--------------------------------------------------------------------------------|-----------------|-------------|------------|------------|--------|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Specific    |                                                                                |                 |             |            |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.6       | DSI2                                                                           | DFT-s-OFDM BPSK | SA          | Front Side | 10         | 656000 | 3840        | 1       | 137      | -0.11            | 0.686                | 18.90             | 20.00                 | 1.288          | 0.884                 | /         |
|             | DSI2                                                                           |                 |             | Back Side  | 10         | 656000 | 3840        | 1       | 137      | -0.10            | 0.439                | 18.90             | 20.00                 | 1.288          | 0.565                 | /         |
|             | DSI2                                                                           |                 |             | Left Edge  | 10         | 656000 | 3840        | 1       | 137      | -0.06            | 1.150                | 18.90             | 20.00                 | 1.288          | 1.481                 | /         |
|             | DSI2                                                                           |                 |             | Top Edge   | 10         | 656000 | 3840        | 1       | 137      | -0.01            | 1.000                | 18.90             | 20.00                 | 1.288          | 1.288                 | /         |
|             | DSI2                                                                           |                 |             | Front Side | 10         | 662000 | 3930        | 135     | 69       | -0.02            | 0.648                | 18.90             | 20.00                 | 1.288          | 0.835                 | /         |
|             | DSI2                                                                           |                 |             | Back Side  | 10         | 662000 | 3930        | 135     | 69       | 0.00             | 0.435                | 18.90             | 20.00                 | 1.288          | 0.560                 | /         |
|             | DSI2                                                                           |                 |             | Left Edge  | 10         | 662000 | 3930        | 135     | 69       | 0.01             | 0.991                | 18.90             | 20.00                 | 1.288          | 1.276                 | /         |
|             | DSI2                                                                           |                 |             | Top Edge   | 10         | 662000 | 3930        | 135     | 69       | -0.11            | 0.959                | 18.90             | 20.00                 | 1.288          | 1.235                 | /         |
| Ant.7       | DSI3                                                                           | DFT-s-OFDM BPSK | SA          | Front Side | 10         | 656000 | 3840        | 1       | 1        | -0.06            | 0.593                | 16.60             | 17.00                 | 1.096          | 0.650                 | /         |
|             | DSI3                                                                           |                 |             | Back Side  | 10         | 656000 | 3840        | 1       | 1        | -0.13            | 0.201                | 16.60             | 17.00                 | 1.096          | 0.220                 | /         |
|             | DSI3                                                                           |                 |             | Top Edge   | 10         | 656000 | 3840        | 1       | 1        | -0.02            | 1.640                | 16.60             | 17.00                 | 1.096          | 1.797                 | 101#      |
|             | DSI3                                                                           |                 |             | Front Side | 10         | 662000 | 3930        | 135     | 0        | -0.02            | 0.546                | 16.54             | 17.00                 | 1.112          | 0.607                 | /         |
|             | DSI3                                                                           |                 |             | Back Side  | 10         | 662000 | 3930        | 135     | 138      | 0.09             | 0.186                | 16.54             | 17.00                 | 1.112          | 0.207                 | /         |
|             | DSI3                                                                           |                 |             | Top Edge   | 10         | 662000 | 3930        | 135     | 138      | 0.02             | 1.450                | 16.54             | 17.00                 | 1.112          | 1.612                 | /         |
| Ant.8       | DSI2                                                                           | DFT-s-OFDM      | SA          | Back Side  | 10         | 656000 | 3840        | 1       | 1        | -0.13            | 0.385                | 18.65             | 20.00                 | 1.365          | 0.526                 | /         |
|             | DSI2                                                                           | BPSK            |             | Back Side  | 10         | 662000 | 3930        | 135     | 138      | -0.01            | 0.359                | 18.65             | 20.00                 | 1.365          | 0.490                 | /         |
| Sensor(N-1) |                                                                                |                 |             |            |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |
| Ant.7       | Off                                                                            | DFT-s-OFDM BPSK | SA          | Front Side | 5          | 656000 | 3840        | 1       | 1        | 0.03             | 1.100                | 24.13             | 24.50                 | 1.089          | 1.198                 | /         |
|             | Off                                                                            |                 |             | Back Side  | 5          | 656000 | 3840        | 1       | 1        | -0.09            | 1.040                | 24.13             | 24.50                 | 1.089          | 1.133                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 656000 | 3840        | 1       | 1        | -0.06            | 2.310                | 24.13             | 24.50                 | 1.089          | 2.516                 | /         |
|             | Off                                                                            |                 |             | Front Side | 5          | 662000 | 3930        | 135     | 0        | 0.14             | 0.956                | 23.27             | 24.50                 | 1.327          | 1.269                 | /         |
|             | Off                                                                            |                 |             | Back Side  | 5          | 662000 | 3930        | 135     | 0        | -0.01            | 0.903                | 23.27             | 24.50                 | 1.327          | 1.198                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 662000 | 3930        | 135     | 0        | -0.02            | 1.890                | 23.27             | 24.50                 | 1.327          | 2.508                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 650000 | 3750        | 1       | 1        | 0.00             | 1.860                | 23.86             | 24.50                 | 1.159          | 2.156                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 662000 | 3930        | 1       | 1        | 0.04             | 2.110                | 23.85             | 24.50                 | 1.161          | 2.450                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 650000 | 3750        | 135     | 0        | 0.13             | 1.740                | 22.98             | 24.50                 | 1.419          | 2.469                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 656000 | 3840        | 135     | 0        | -0.11            | 1.800                | 23.12             | 24.50                 | 1.374          | 2.473                 | /         |
|             | Off                                                                            |                 |             | Top Edge   | 5          | 662000 | 3930        | 270     | 0        | -0.12            | 1.780                | 23.58             | 24.50                 | 1.236          | 2.200                 | /         |
|             | Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |            |            |        |             |         |          |                  |                      |                   |                       |                |                       |           |

## 11.31 n78 (100MHz Bandwidth)

| Antenna   | Power Reduction | Mode            | Information | Position    | Dist. (mm) | Ch.    | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|-----------|-----------------|-----------------|-------------|-------------|------------|--------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|----------------------|-----------|
| Head      |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.6     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 650000 | 3750        | 1       | 137      | 0.04             | 0.135               | 15.01             | 16.00                 | 1.256          | 0.170                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 1       | 137      | -0.07            | 0.148               | 15.01             | 16.00                 | 1.256          | 0.186                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 1       | 137      | -0.15            | 0.432               | 15.01             | 16.00                 | 1.256          | 0.543                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 1       | 137      | -0.04            | 0.418               | 15.01             | 16.00                 | 1.256          | 0.525                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 138      | 0.09             | 0.129               | 14.66             | 16.00                 | 1.361          | 0.176                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 138      | 0.13             | 0.131               | 14.66             | 16.00                 | 1.361          | 0.178                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 135     | 138      | -0.09            | 0.405               | 14.66             | 16.00                 | 1.361          | 0.551                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 138      | 0.10             | 0.396               | 14.66             | 16.00                 | 1.361          | 0.539                | /         |
| Ant.7     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 650000 | 3750        | 1       | 1        | -0.08            | 0.627               | 13.50             | 14.00                 | 1.122          | 0.703                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 1       | 1        | -0.01            | 0.676               | 13.50             | 14.00                 | 1.122          | 0.758                | 102#      |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 1       | 1        | -0.05            | 0.318               | 13.50             | 14.00                 | 1.122          | 0.357                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 1       | 1        | -0.12            | 0.425               | 13.50             | 14.00                 | 1.122          | 0.477                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 138      | -0.14            | 0.598               | 13.29             | 14.00                 | 1.178          | 0.704                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 138      | 0.00             | 0.608               | 13.29             | 14.00                 | 1.178          | 0.716                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 135     | 138      | 0.15             | 0.304               | 13.29             | 14.00                 | 1.178          | 0.358                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 138      | -0.13            | 0.391               | 13.29             | 14.00                 | 1.178          | 0.461                | /         |
| Ant.8     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 650000 | 3750        | 1       | 1        | 0.06             | 0.040               | 20.01             | 21.50                 | 1.409          | 0.056                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 1       | 1        | 0.08             | 0.025               | 20.01             | 21.50                 | 1.409          | 0.035                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 1       | 1        | 0.04             | 0.121               | 20.01             | 21.50                 | 1.409          | 0.170                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 1       | 1        | -0.06            | 0.053               | 20.01             | 21.50                 | 1.409          | 0.075                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 0        | 0.01             | 0.038               | 19.72             | 21.50                 | 1.507          | 0.057                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 0        | 0.09             | 0.023               | 19.72             | 21.50                 | 1.507          | 0.035                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 135     | 0        | -0.09            | 0.109               | 19.72             | 21.50                 | 1.507          | 0.164                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 0        | 0.10             | 0.045               | 19.72             | 21.50                 | 1.507          | 0.068                | /         |
| Ant.9     | DSI1            | DFT-s-OFDM BPSK | SA          | Left Cheek  | 0          | 650000 | 3750        | 1       | 137      | 0.05             | 0.171               | 14.16             | 16.00                 | 1.528          | 0.261                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 1       | 137      | -0.12            | 0.083               | 14.16             | 16.00                 | 1.528          | 0.127                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 1       | 137      | -0.08            | 0.052               | 14.16             | 16.00                 | 1.528          | 0.079                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 1       | 137      | 0.11             | 0.039               | 14.16             | 16.00                 | 1.528          | 0.060                | /         |
|           | DSI1            |                 |             | Left Cheek  | 0          | 650000 | 3750        | 135     | 69       | -0.15            | 0.163               | 14.16             | 16.00                 | 1.528          | 0.249                | /         |
|           | DSI1            |                 |             | Left Tilt   | 0          | 650000 | 3750        | 135     | 69       | 0.10             | 0.077               | 14.16             | 16.00                 | 1.528          | 0.118                | /         |
|           | DSI1            |                 |             | Right Cheek | 0          | 650000 | 3750        | 135     | 69       | 0.13             | 0.049               | 14.16             | 16.00                 | 1.528          | 0.075                | /         |
|           | DSI1            |                 |             | Right Tilt  | 0          | 650000 | 3750        | 135     | 69       | -0.07            | 0.038               | 14.16             | 16.00                 | 1.528          | 0.058                | /         |
| Body-worn |                 |                 |             |             |            |        |             |         |          |                  |                     |                   |                       |                |                      |           |
| Ant.6     | DSI2            | DFT-s-          | SA          | Front Side  | 15         | 650000 | 3750        | 1       | 137      | 0.12             | 0.085               | 18.12             | 19.00                 | 1.225          | 0.104                | /         |
|           | DSI2            | OFDM            |             | Back Side   | 15         | 650000 | 3750        | 1       | 137      | -0.06            | 0.133               | 18.12             | 19.00                 | 1.225          | 0.163                | /         |
|           | DSI2            | BPSK            |             | Front Side  | 15         | 650000 | 3750        | 135     | 138      | -0.04            | 0.079               | 17.66             | 19.00                 | 1.361          | 0.108                | /         |

|         |            |                    |    |            |        |        |      |     |       |       |       |       |       |              |              |      |
|---------|------------|--------------------|----|------------|--------|--------|------|-----|-------|-------|-------|-------|-------|--------------|--------------|------|
|         | DSI2       |                    |    | Back Side  | 15     | 650000 | 3750 | 135 | 138   | -0.02 | 0.124 | 17.66 | 19.00 | 1.361        | 0.169        | /    |
| Ant.7   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 650000 | 3750 | 1   | 1     | -0.02 | 0.601 | 24.05 | 24.50 | 1.109        | <b>0.667</b> | 103# |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 1    | 1   | -0.03 | 0.460 | 24.05 | 24.50 | 1.109 | 0.510        | /            |      |
|         | Front Side |                    |    | 15         | 650000 | 3750   | 135  | 69  | -0.13 | 0.529 | 23.51 | 24.50 | 1.256 | 0.664        | /            |      |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 135  | 69  | -0.14 | 0.414 | 23.51 | 24.50 | 1.256 | 0.520        | /            |      |
| Ant.8   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 650000 | 3750 | 1   | 137   | 0.02  | 0.017 | 18.35 | 20.00 | 1.462        | 0.025        | /    |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 1    | 137 | -0.13 | 0.061 | 18.35 | 20.00 | 1.462 | 0.089        | /            |      |
|         | Front Side |                    |    | 15         | 650000 | 3750   | 135  | 69  | 0.13  | 0.016 | 18.39 | 20.00 | 1.449 | 0.023        | /            |      |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 135  | 69  | -0.13 | 0.060 | 18.39 | 20.00 | 1.449 | 0.087        | /            |      |
| Ant.9   | DSI2       | DFT-s-OFDM<br>BPSK | SA | Front Side | 15     | 650000 | 3750 | 1   | 1     | 0.14  | 0.049 | 16.71 | 18.50 | 1.510        | 0.074        | /    |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 1    | 1   | 0.14  | 0.091 | 16.71 | 18.50 | 1.510 | 0.137        | /            |      |
|         | Front Side |                    |    | 15         | 650000 | 3750   | 135  | 0   | -0.11 | 0.045 | 16.79 | 18.50 | 1.483 | 0.067        | /            |      |
|         | Back Side  |                    |    | 15         | 650000 | 3750   | 135  | 0   | -0.06 | 0.086 | 16.79 | 18.50 | 1.483 | 0.128        | /            |      |
| Hotspot |            |                    |    |            |        |        |      |     |       |       |       |       |       |              |              |      |
| Ant.6   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 650000 | 3750 | 1   | 137   | -0.12 | 0.060 | 15.01 | 16.00 | 1.256        | 0.075        | /    |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 1    | 137 | -0.15 | 0.115 | 15.01 | 16.00 | 1.256 | 0.144        | /            |      |
|         | Left Edge  |                    |    | 10         | 650000 | 3750   | 1    | 137 | -0.12 | 0.089 | 15.01 | 16.00 | 1.256 | 0.112        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 1    | 137 | 0.09  | 0.110 | 15.01 | 16.00 | 1.256 | 0.138        | /            |      |
|         | Front Side |                    |    | 10         | 650000 | 3750   | 135  | 138 | 0.10  | 0.053 | 14.66 | 16.00 | 1.361 | 0.072        | /            |      |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 135  | 138 | -0.12 | 0.108 | 14.66 | 16.00 | 1.361 | 0.147        | /            |      |
|         | Left Edge  |                    |    | 10         | 650000 | 3750   | 135  | 138 | 0.04  | 0.082 | 14.66 | 16.00 | 1.361 | 0.112        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 135  | 138 | 0.11  | 0.102 | 14.66 | 16.00 | 1.361 | 0.139        |              |      |
| Ant.7   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 650000 | 3750 | 1   | 1     | 0.00  | 0.087 | 13.50 | 14.00 | 1.122        | 0.098        | /    |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 1    | 1   | 0.06  | 0.073 | 13.50 | 14.00 | 1.122 | 0.082        | /            |      |
|         | Right Edge |                    |    | 10         | 650000 | 3750   | 1    | 1   | -0.14 | 0.032 | 13.50 | 14.00 | 1.122 | 0.036        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 1    | 1   | -0.07 | 0.224 | 13.50 | 14.00 | 1.122 | 0.251        | /            |      |
|         | Front Side |                    |    | 10         | 650000 | 3750   | 135  | 138 | -0.13 | 0.082 | 13.29 | 14.00 | 1.178 | 0.097        | /            |      |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 135  | 138 | 0.15  | 0.071 | 13.29 | 14.00 | 1.178 | 0.084        | /            |      |
|         | Right Edge |                    |    | 10         | 650000 | 3750   | 135  | 138 | 0.06  | 0.028 | 13.29 | 14.00 | 1.178 | 0.033        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 135  | 138 | -0.02 | 0.208 | 13.29 | 14.00 | 1.178 | 0.245        |              |      |
| Ant.8   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 650000 | 3750 | 1   | 137   | -0.01 | 0.065 | 18.35 | 20.00 | 1.462        | 0.095        | /    |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 1    | 137 | 0.06  | 0.386 | 18.35 | 20.00 | 1.462 | <b>0.564</b> | 104#         |      |
|         | Left Edge  |                    |    | 10         | 650000 | 3750   | 1    | 137 | -0.04 | 0.140 | 18.35 | 20.00 | 1.462 | 0.205        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 1    | 137 | -0.15 | 0.086 | 18.35 | 20.00 | 1.462 | 0.126        | /            |      |
|         | Front Side |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.00  | 0.062 | 18.39 | 20.00 | 1.449 | 0.090        | /            |      |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.01  | 0.330 | 18.39 | 20.00 | 1.449 | 0.478        | /            |      |
|         | Left Edge  |                    |    | 10         | 650000 | 3750   | 135  | 69  | -0.08 | 0.137 | 18.39 | 20.00 | 1.449 | 0.199        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.01  | 0.081 | 18.39 | 20.00 | 1.449 | 0.117        |              |      |
| Ant.9   | DSI5       | DFT-s-OFDM<br>BPSK | SA | Front Side | 10     | 650000 | 3750 | 1   | 137   | 0.14  | 0.110 | 14.16 | 16.00 | 1.528        | 0.168        | /    |
|         | Back Side  |                    |    | 10         | 650000 | 3750   | 1    | 137 | -0.14 | 0.192 | 14.16 | 16.00 | 1.528 | 0.293        | /            |      |
|         | Right Edge |                    |    | 10         | 650000 | 3750   | 1    | 137 | 0.08  | 0.183 | 14.16 | 16.00 | 1.528 | 0.280        | /            |      |
|         | Top Edge   |                    |    | 10         | 650000 | 3750   | 1    | 137 | 0.00  | 0.079 | 14.16 | 16.00 | 1.528 | 0.121        | /            |      |
|         | Front Side |                    |    | 10         | 650000 | 3750   | 135  | 69  | 0.07  | 0.107 | 14.16 | 16.00 | 1.528 | 0.163        | /            |      |

|  |      |  |  |            |    |        |      |     |    |      |       |       |       |       |       |   |
|--|------|--|--|------------|----|--------|------|-----|----|------|-------|-------|-------|-------|-------|---|
|  | DSI5 |  |  | Back Side  | 10 | 650000 | 3750 | 135 | 69 | 0.13 | 0.190 | 14.16 | 16.00 | 1.528 | 0.290 | / |
|  | DSI5 |  |  | Right Edge | 10 | 650000 | 3750 | 135 | 69 | 0.01 | 0.175 | 14.16 | 16.00 | 1.528 | 0.267 | / |
|  | DSI5 |  |  | Top Edge   | 10 | 650000 | 3750 | 135 | 69 | 0.08 | 0.073 | 14.16 | 16.00 | 1.528 | 0.112 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna | Power Reduction | Mode | Information | Position | Dist. (mm) | Ch. | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|---------|-----------------|------|-------------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
|---------|-----------------|------|-------------|----------|------------|-----|-------------|---------|----------|------------------|----------------------|-------------------|-----------------------|----------------|-----------------------|-----------|

Specific

|       |      |                    |    |            |   |        |      |     |     |       |       |       |       |       |              |      |
|-------|------|--------------------|----|------------|---|--------|------|-----|-----|-------|-------|-------|-------|-------|--------------|------|
| Ant.6 | DSI2 | DFT-s-OFDM<br>BPSK | SA | Front Side | 0 | 650000 | 3750 | 1   | 137 | 0.12  | 0.553 | 18.12 | 19.00 | 1.225 | 0.677        | /    |
|       | DSI2 |                    |    | Back Side  | 0 | 650000 | 3750 | 1   | 137 | 0.04  | 0.293 | 18.12 | 19.00 | 1.225 | 0.359        | /    |
|       | DSI2 |                    |    | Left Edge  | 0 | 650000 | 3750 | 1   | 137 | 0.00  | 0.950 | 18.12 | 19.00 | 1.225 | 1.164        | /    |
|       | DSI2 |                    |    | Top Edge   | 0 | 650000 | 3750 | 1   | 137 | 0.07  | 0.822 | 18.12 | 19.00 | 1.225 | 1.007        | /    |
|       | DSI2 |                    |    | Front Side | 0 | 650000 | 3750 | 135 | 138 | 0.10  | 0.474 | 17.66 | 19.00 | 1.361 | 0.645        | /    |
|       | DSI2 |                    |    | Back Side  | 0 | 650000 | 3750 | 135 | 138 | 0.05  | 0.253 | 17.66 | 19.00 | 1.361 | 0.344        | /    |
|       | DSI2 |                    |    | Left Edge  | 0 | 650000 | 3750 | 135 | 138 | -0.02 | 0.908 | 17.66 | 19.00 | 1.361 | 1.236        | /    |
|       | DSI2 |                    |    | Top Edge   | 0 | 650000 | 3750 | 135 | 138 | 0.12  | 0.736 | 17.66 | 19.00 | 1.361 | 1.002        | /    |
|       | DSI2 |                    |    | Top Edge   | 0 | 650000 | 3750 | 135 | 138 | 0.12  | 0.736 | 17.66 | 19.00 | 1.361 | 1.002        | /    |
| Ant.7 | DSI3 | DFT-s-OFDM<br>BPSK | SA | Front Side | 0 | 650000 | 3750 | 1   | 1   | -0.01 | 0.483 | 16.42 | 17.00 | 1.143 | 0.552        | /    |
|       | DSI3 |                    |    | Back Side  | 0 | 650000 | 3750 | 1   | 1   | 0.15  | 0.142 | 16.42 | 17.00 | 1.143 | 0.162        | /    |
|       | DSI3 |                    |    | Top Edge   | 0 | 650000 | 3750 | 1   | 1   | -0.08 | 1.110 | 16.42 | 17.00 | 1.143 | 1.269        | /    |
|       | DSI3 |                    |    | Front Side | 0 | 650000 | 3750 | 135 | 138 | 0.07  | 0.410 | 16.34 | 17.00 | 1.164 | 0.477        | /    |
|       | DSI3 |                    |    | Back Side  | 0 | 650000 | 3750 | 135 | 138 | 0.03  | 0.134 | 16.34 | 17.00 | 1.164 | 0.156        | /    |
|       | DSI3 |                    |    | Top Edge   | 0 | 650000 | 3750 | 135 | 138 | 0.02  | 1.160 | 16.34 | 17.00 | 1.164 | <b>1.350</b> | 105# |
|       | DSI3 |                    |    | Top Edge   | 0 | 650000 | 3750 | 135 | 138 | 0.02  | 1.160 | 16.34 | 17.00 | 1.164 | <b>1.350</b> | 105# |
| Ant.8 | DSI2 | DFT-s-OFDM<br>BPSK | SA | Back Side  | 0 | 650000 | 3750 | 1   | 137 | 0.02  | 0.389 | 18.35 | 20.00 | 1.462 | 0.569        | /    |
|       | DSI2 |                    |    | Back Side  | 0 | 650000 | 3750 | 135 | 69  | 0.09  | 0.356 | 18.39 | 20.00 | 1.449 | 0.516        | /    |

Sensor(N-1)

|       |     |                    |    |            |   |        |      |     |    |       |       |       |       |       |       |   |
|-------|-----|--------------------|----|------------|---|--------|------|-----|----|-------|-------|-------|-------|-------|-------|---|
| Ant.7 | Off | DFT-s-OFDM<br>BPSK | SA | Front Side | 5 | 650000 | 3750 | 1   | 1  | 0.04  | 0.913 | 24.05 | 24.50 | 1.109 | 1.013 | / |
|       | Off |                    |    | Back Side  | 5 | 650000 | 3750 | 1   | 1  | -0.06 | 0.986 | 24.05 | 24.50 | 1.109 | 1.093 | / |
|       | Off |                    |    | Top Edge   | 5 | 650000 | 3750 | 1   | 1  | -0.02 | 1.960 | 24.05 | 24.50 | 1.109 | 2.174 | / |
|       | Off |                    |    | Front Side | 5 | 650000 | 3750 | 135 | 69 | 0.12  | 0.812 | 23.51 | 24.50 | 1.256 | 1.020 | / |
|       | Off |                    |    | Back Side  | 5 | 650000 | 3750 | 135 | 69 | -0.13 | 0.880 | 23.51 | 24.50 | 1.256 | 1.105 | / |
|       | Off |                    |    | Top Edge   | 5 | 650000 | 3750 | 135 | 69 | -0.05 | 1.730 | 23.51 | 24.50 | 1.256 | 2.173 | / |
|       | Off |                    |    | Top Edge   | 5 | 650000 | 3750 | 135 | 69 | -0.05 | 1.730 | 23.51 | 24.50 | 1.256 | 2.173 | / |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.32 WIFI 2.4GHZ

| Antenna          | Power Reduction | Mode     | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|------------------|-----------------|----------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|----------------|----------------|-----------------------|-----------|
| <b>Head</b>      |                 |          |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.7            | Level1          | 802.11 b | Left Cheek  | 0          | 11  | 2462        | -0.01            | 0.412               | 15.35             | 15.50                 | 1.035          | 98.80          | 1.012          | 0.432                 | /         |
|                  | Level1          | 802.11 b | Left Tilt   | 0          | 11  | 2462        | -0.08            | 0.579               | 15.35             | 15.50                 | 1.035          | 98.80          | 1.012          | 0.606                 | /         |
|                  | Level1          | 802.11 b | Right Cheek | 0          | 11  | 2462        | -0.01            | 0.311               | 15.35             | 15.50                 | 1.035          | 98.80          | 1.012          | 0.326                 | /         |
|                  | Level1          | 802.11 b | Right Tilt  | 0          | 11  | 2462        | -0.13            | 0.329               | 15.35             | 15.50                 | 1.035          | 98.80          | 1.012          | 0.345                 | /         |
| Ant.7            | Level2          | 802.11 b | Left Cheek  | 0          | 1   | 2412        | -0.06            | 0.161               | 11.24             | 12.00                 | 1.191          | 98.80          | 1.012          | 0.194                 | /         |
|                  | Level2          | 802.11 b | Left Tilt   | 0          | 1   | 2412        | 0.02             | 0.229               | 11.24             | 12.00                 | 1.191          | 98.80          | 1.012          | 0.276                 | /         |
|                  | Level2          | 802.11 b | Right Cheek | 0          | 1   | 2412        | -0.08            | 0.122               | 11.24             | 12.00                 | 1.191          | 98.80          | 1.012          | 0.147                 | /         |
|                  | Level2          | 802.11 b | Right Tilt  | 0          | 1   | 2412        | -0.09            | 0.126               | 11.24             | 12.00                 | 1.191          | 98.80          | 1.012          | 0.152                 | /         |
| Ant.9            | Level1          | 802.11 b | Left Cheek  | 0          | 11  | 2462        | 0.02             | 0.608               | 14.37             | 15.50                 | 1.297          | 98.80          | 1.012          | 0.798                 | /         |
|                  | Level1          | 802.11 b | Left Tilt   | 0          | 11  | 2462        | 0.08             | 0.321               | 14.37             | 15.50                 | 1.297          | 98.80          | 1.012          | 0.421                 | /         |
|                  | Level1          | 802.11 b | Right Cheek | 0          | 11  | 2462        | -0.03            | 0.107               | 14.37             | 15.50                 | 1.297          | 98.80          | 1.012          | 0.140                 | /         |
|                  | Level1          | 802.11 b | Right Tilt  | 0          | 11  | 2462        | 0.04             | 0.072               | 14.37             | 15.50                 | 1.297          | 98.80          | 1.012          | 0.095                 | /         |
| Ant.9            | Level2          | 802.11 b | Left Cheek  | 0          | 6   | 2437        | 0.14             | 0.272               | 10.86             | 12.00                 | 1.300          | 98.80          | 1.012          | 0.358                 | /         |
|                  | Level2          | 802.11 b | Left Tilt   | 0          | 6   | 2437        | -0.02            | 0.142               | 10.86             | 12.00                 | 1.300          | 98.80          | 1.012          | 0.187                 | /         |
|                  | Level2          | 802.11 b | Right Cheek | 0          | 6   | 2437        | 0.11             | 0.045               | 10.86             | 12.00                 | 1.300          | 98.80          | 1.012          | 0.059                 | /         |
|                  | Level2          | 802.11 b | Right Tilt  | 0          | 6   | 2437        | 0.10             | 0.031               | 10.86             | 12.00                 | 1.300          | 98.80          | 1.012          | 0.041                 | /         |
| MIMO             | Level1          | 802.11 b | Left Cheek  | 0          | 11  | 2462        | 0.02             | 0.789               | 17.90             | 18.50                 | 1.148          | 98.80          | 1.012          | 0.917                 | /         |
|                  | Level1          | 802.11 b | Left Tilt   | 0          | 11  | 2462        | -0.09            | 0.363               | 17.90             | 18.50                 | 1.148          | 98.80          | 1.012          | 0.422                 | /         |
|                  | Level1          | 802.11 b | Right Cheek | 0          | 11  | 2462        | 0.06             | 0.287               | 17.90             | 18.50                 | 1.148          | 98.80          | 1.012          | 0.333                 | /         |
|                  | Level1          | 802.11 b | Right Tilt  | 0          | 11  | 2462        | -0.01            | 0.268               | 17.90             | 18.50                 | 1.148          | 98.80          | 1.012          | 0.311                 | /         |
|                  | Level1          | 802.11 b | Left Cheek  | 0          | 1   | 2412        | -0.08            | 0.680               | 17.76             | 18.50                 | 1.186          | 98.80          | 1.012          | 0.816                 | /         |
|                  | Level1          | 802.11 b | Left Cheek  | 0          | 6   | 2437        | 0.02             | 0.823               | 17.82             | 18.50                 | 1.169          | 98.80          | 1.012          | <b>0.974</b>          | 106#      |
| MIMO             | Level2          | 802.11 b | Left Cheek  | 0          | 1   | 2412        | 0.02             | 0.312               | 13.99             | 15.00                 | 1.262          | 98.80          | 1.012          | 0.398                 | /         |
|                  | Level2          | 802.11 b | Left Tilt   | 0          | 1   | 2412        | 0.11             | 0.141               | 13.99             | 15.00                 | 1.262          | 98.80          | 1.012          | 0.180                 | /         |
|                  | Level2          | 802.11 b | Right Cheek | 0          | 1   | 2412        | -0.14            | 0.108               | 13.99             | 15.00                 | 1.262          | 98.80          | 1.012          | 0.138                 | /         |
|                  | Level2          | 802.11 b | Right Tilt  | 0          | 1   | 2412        | 0.07             | 0.105               | 13.99             | 15.00                 | 1.262          | 98.80          | 1.012          | 0.134                 | /         |
| <b>Body-Wron</b> |                 |          |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.7            | Level3          | 802.11 b | Front Side  | 15         | 11  | 2462        | -0.12            | 0.014               | 17.41             | 17.50                 | 1.021          | 98.80          | 1.012          | 0.014                 | \         |
|                  | Level3          | 802.11 b | Back Side   | 15         | 11  | 2462        | 0.11             | 0.019               | 17.41             | 17.50                 | 1.021          | 98.80          | 1.012          | 0.020                 | \         |
| Ant.7            | Level4          | 802.11 b | Front Side  | 15         | 1   | 2412        | 0.14             | 0.007               | 14.74             | 15.00                 | 1.062          | 98.80          | 1.012          | 0.008                 | \         |
|                  | Level4          | 802.11 b | Back Side   | 15         | 1   | 2412        | -0.02            | 0.010               | 14.74             | 15.00                 | 1.062          | 98.80          | 1.012          | 0.011                 | \         |
| Ant.9            | Level3          | 802.11 b | Front Side  | 15         | 11  | 2462        | 0.02             | 0.045               | 16.42             | 17.50                 | 1.282          | 98.80          | 1.012          | 0.058                 | \         |
|                  | Level3          | 802.11 b | Back Side   | 15         | 11  | 2462        | -0.01            | 0.073               | 16.42             | 17.50                 | 1.282          | 98.80          | 1.012          | 0.095                 | \         |
| Ant.9            | Level4          | 802.11 b | Front Side  | 15         | 11  | 2462        | -0.06            | 0.027               | 13.80             | 15.00                 | 1.318          | 98.80          | 1.012          | 0.036                 | \         |
|                  | Level4          | 802.11 b | Back Side   | 15         | 11  | 2462        | -0.11            | 0.038               | 13.80             | 15.00                 | 1.318          | 98.80          | 1.012          | 0.051                 | \         |
| MIMO             | Level3          | 802.11 b | Front Side  | 15         | 11  | 2462        | 0.08             | 0.045               | 19.95             | 20.50                 | 1.135          | 98.80          | 1.012          | 0.052                 | \         |

|                                                                                |        |          |            |    |    |      |       |       |       |       |       |       |       |              |      |
|--------------------------------------------------------------------------------|--------|----------|------------|----|----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
|                                                                                | Level3 | 802.11 b | Back Side  | 15 | 11 | 2462 | 0.11  | 0.088 | 19.95 | 20.50 | 1.135 | 98.80 | 1.012 | <b>0.101</b> | 107# |
| MIMO                                                                           | Level4 | 802.11 b | Front Side | 15 | 11 | 2462 | -0.06 | 0.023 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.027        | \    |
|                                                                                | Level4 | 802.11 b | Back Side  | 15 | 11 | 2462 | -0.10 | 0.046 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.055        | \    |
| Hotspot                                                                        |        |          |            |    |    |      |       |       |       |       |       |       |       |              |      |
| Ant.7                                                                          | Level3 | 802.11 b | Front Side | 10 | 11 | 2462 | -0.05 | 0.067 | 17.41 | 17.50 | 1.021 | 98.80 | 1.012 | 0.069        | \    |
|                                                                                | Level3 | 802.11 b | Back Side  | 10 | 11 | 2462 | -0.11 | 0.085 | 17.41 | 17.50 | 1.021 | 98.80 | 1.012 | 0.088        | \    |
|                                                                                | Level3 | 802.11 b | Right Edge | 10 | 11 | 2462 | 0.09  | 0.001 | 17.41 | 17.50 | 1.021 | 98.80 | 1.012 | 0.001        | \    |
|                                                                                | Level3 | 802.11 b | Top Edge   | 10 | 11 | 2462 | -0.06 | 0.210 | 17.41 | 17.50 | 1.021 | 98.80 | 1.012 | 0.217        | \    |
| Ant.7                                                                          | Level4 | 802.11 b | Front Side | 10 | 1  | 2412 | 0.04  | 0.035 | 14.74 | 15.00 | 1.062 | 98.80 | 1.012 | 0.038        | \    |
|                                                                                | Level4 | 802.11 b | Back Side  | 10 | 1  | 2412 | -0.11 | 0.043 | 14.74 | 15.00 | 1.062 | 98.80 | 1.012 | 0.046        | \    |
|                                                                                | Level4 | 802.11 b | Right Edge | 10 | 1  | 2412 | -0.03 | 0.001 | 14.74 | 15.00 | 1.062 | 98.80 | 1.012 | 0.001        | \    |
|                                                                                | Level4 | 802.11 b | Top Edge   | 10 | 1  | 2412 | -0.04 | 0.114 | 14.74 | 15.00 | 1.062 | 98.80 | 1.012 | 0.123        | \    |
| Ant.9                                                                          | Level3 | 802.11 b | Front Side | 10 | 11 | 2462 | 0.06  | 0.258 | 16.42 | 17.50 | 1.282 | 98.80 | 1.012 | 0.335        | \    |
|                                                                                | Level3 | 802.11 b | Back Side  | 10 | 11 | 2462 | -0.01 | 0.373 | 16.42 | 17.50 | 1.282 | 98.80 | 1.012 | 0.484        | \    |
|                                                                                | Level3 | 802.11 b | Right Edge | 10 | 11 | 2462 | -0.03 | 0.514 | 16.42 | 17.50 | 1.282 | 98.80 | 1.012 | <b>0.667</b> | 108# |
|                                                                                | Level3 | 802.11 b | Top Edge   | 10 | 11 | 2462 | 0.12  | 0.147 | 16.42 | 17.50 | 1.282 | 98.80 | 1.012 | 0.191        | \    |
| Ant.9                                                                          | Level4 | 802.11 b | Front Side | 10 | 11 | 2462 | -0.07 | 0.129 | 13.80 | 15.00 | 1.318 | 98.80 | 1.012 | 0.172        | \    |
|                                                                                | Level4 | 802.11 b | Back Side  | 10 | 11 | 2462 | 0.02  | 0.186 | 13.80 | 15.00 | 1.318 | 98.80 | 1.012 | 0.248        | \    |
|                                                                                | Level4 | 802.11 b | Right Edge | 10 | 11 | 2462 | -0.07 | 0.251 | 13.80 | 15.00 | 1.318 | 98.80 | 1.012 | 0.335        | \    |
|                                                                                | Level4 | 802.11 b | Top Edge   | 10 | 11 | 2462 | 0.14  | 0.072 | 13.80 | 15.00 | 1.318 | 98.80 | 1.012 | 0.096        | \    |
| MIMO                                                                           | Level3 | 802.11 b | Front Side | 10 | 11 | 2462 | 0.02  | 0.234 | 19.95 | 20.50 | 1.135 | 98.80 | 1.012 | 0.269        | \    |
|                                                                                | Level3 | 802.11 b | Back Side  | 10 | 11 | 2462 | 0.14  | 0.303 | 19.95 | 20.50 | 1.135 | 98.80 | 1.012 | 0.348        | \    |
|                                                                                | Level3 | 802.11 b | Right Edge | 10 | 11 | 2462 | -0.03 | 0.539 | 19.95 | 20.50 | 1.135 | 98.80 | 1.012 | 0.619        | \    |
|                                                                                | Level3 | 802.11 b | Top Edge   | 10 | 11 | 2462 | 0.04  | 0.238 | 19.95 | 20.50 | 1.135 | 98.80 | 1.012 | 0.273        | \    |
| MIMO                                                                           | Level4 | 802.11 b | Front Side | 10 | 11 | 2462 | 0.14  | 0.118 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.141        | \    |
|                                                                                | Level4 | 802.11 b | Back Side  | 10 | 11 | 2462 | 0.13  | 0.148 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.176        | \    |
|                                                                                | Level4 | 802.11 b | Right Edge | 10 | 11 | 2462 | -0.01 | 0.274 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.327        | \    |
|                                                                                | Level4 | 802.11 b | Top Edge   | 10 | 11 | 2462 | 0.04  | 0.118 | 17.29 | 18.00 | 1.178 | 98.80 | 1.012 | 0.141        | \    |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |        |          |            |    |    |      |       |       |       |       |       |       |       |              |      |

| Antenna                                                                        | Power Reduction | Mode     | Position   | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle(%) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|----------|------------|------------|-----|-------------|------------------|----------------------|-------------------|-----------------------|----------------|---------------|----------------|------------------------|-----------|
| Specific                                                                       |                 |          |            |            |     |             |                  |                      |                   |                       |                |               |                |                        |           |
| Ant. 7                                                                         | Level3          | 802.11 b | Front Side | 0          | 11  | 2462        | -0.01            | 0.386                | 17.41             | 17.50                 | 1.021          | 98.80         | 1.012          | 0.399                  | \         |
|                                                                                | Level3          | 802.11 b | Back Side  | 0          | 11  | 2462        | -0.11            | 0.187                | 17.41             | 17.50                 | 1.021          | 98.80         | 1.012          | 0.193                  | \         |
|                                                                                | Level3          | 802.11 b | Right Edge | 0          | 11  | 2462        | 0.04             | 0.056                | 17.41             | 17.50                 | 1.021          | 98.80         | 1.012          | 0.058                  | \         |
|                                                                                | Level3          | 802.11 b | Top Edge   | 0          | 11  | 2462        | -0.03            | 1.380                | 17.41             | 17.50                 | 1.021          | 98.80         | 1.012          | 1.426                  | 109#      |
| Ant. 7                                                                         | Level4          | 802.11 b | Front Side | 0          | 11  | 2462        | 0.05             | 0.199                | 14.74             | 15.00                 | 1.062          | 98.80         | 1.012          | 0.214                  | \         |
|                                                                                | Level4          | 802.11 b | Back Side  | 0          | 11  | 2462        | -0.08            | 0.096                | 14.74             | 15.00                 | 1.062          | 98.80         | 1.012          | 0.103                  | \         |
|                                                                                | Level4          | 802.11 b | Right Edge | 0          | 11  | 2462        | -0.12            | 0.027                | 14.74             | 15.00                 | 1.062          | 98.80         | 1.012          | 0.029                  | \         |
|                                                                                | Level4          | 802.11 b | Top Edge   | 0          | 11  | 2462        | 0.04             | 0.680                | 14.74             | 15.00                 | 1.062          | 98.80         | 1.012          | 0.731                  | \         |
| Ant.9                                                                          | Level3          | 802.11 b | Front Side | 0          | 11  | 2462        | -0.03            | 0.704                | 17.23             | 19.00                 | 1.503          | 98.80         | 1.012          | 1.071                  | \         |
|                                                                                | Level3          | 802.11 b | Back Side  | 0          | 11  | 2462        | 0.14             | 0.854                | 17.23             | 19.00                 | 1.503          | 98.80         | 1.012          | 1.299                  | \         |
|                                                                                | Level3          | 802.11 b | Right Edge | 0          | 11  | 2462        | -0.07            | 0.893                | 17.23             | 19.00                 | 1.503          | 98.80         | 1.012          | 1.358                  | \         |
|                                                                                | Level3          | 802.11 b | Top Edge   | 0          | 11  | 2462        | 0.13             | 0.227                | 17.23             | 19.00                 | 1.503          | 98.80         | 1.012          | 0.345                  | \         |
| Ant.9                                                                          | Level4          | 802.11 b | Front Side | 0          | 11  | 2462        | -0.06            | 0.348                | 13.80             | 15.00                 | 1.318          | 98.80         | 1.012          | 0.464                  | \         |
|                                                                                | Level4          | 802.11 b | Back Side  | 0          | 11  | 2462        | -0.07            | 0.416                | 13.80             | 15.00                 | 1.318          | 98.80         | 1.012          | 0.555                  | \         |
|                                                                                | Level4          | 802.11 b | Right Edge | 0          | 11  | 2462        | -0.08            | 0.431                | 13.80             | 15.00                 | 1.318          | 98.80         | 1.012          | 0.575                  | \         |
|                                                                                | Level4          | 802.11 b | Top Edge   | 0          | 11  | 2462        | 0.13             | 0.109                | 13.80             | 15.00                 | 1.318          | 98.80         | 1.012          | 0.145                  | \         |
| MIMO                                                                           | Level3          | 802.11 b | Front Side | 0          | 11  | 2462        | -0.13            | 0.755                | 19.95             | 20.50                 | 1.135          | 98.80         | 1.012          | 0.867                  | \         |
|                                                                                | Level3          | 802.11 b | Back Side  | 0          | 11  | 2462        | -0.03            | 0.912                | 19.95             | 20.50                 | 1.135          | 98.80         | 1.012          | 1.048                  | \         |
|                                                                                | Level3          | 802.11 b | Right Edge | 0          | 11  | 2462        | 0.04             | 0.935                | 19.95             | 20.50                 | 1.135          | 98.80         | 1.012          | 1.074                  | \         |
|                                                                                | Level3          | 802.11 b | Top Edge   | 0          | 11  | 2462        | -0.08            | 0.677                | 19.95             | 20.50                 | 1.135          | 98.80         | 1.012          | 0.778                  | \         |
| MIMO                                                                           | Level4          | 802.11 b | Front Side | 0          | 11  | 2462        | -0.13            | 0.395                | 17.29             | 18.00                 | 1.178          | 98.80         | 1.012          | 0.471                  | \         |
|                                                                                | Level4          | 802.11 b | Back Side  | 0          | 11  | 2462        | 0.07             | 0.476                | 17.29             | 18.00                 | 1.178          | 98.80         | 1.012          | 0.567                  | \         |
|                                                                                | Level4          | 802.11 b | Right Edge | 0          | 11  | 2462        | -0.05            | 0.490                | 17.29             | 18.00                 | 1.178          | 98.80         | 1.012          | 0.584                  | \         |
|                                                                                | Level4          | 802.11 b | Top Edge   | 0          | 11  | 2462        | 0.04             | 0.356                | 17.29             | 18.00                 | 1.178          | 98.80         | 1.012          | 0.424                  | \         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |          |            |            |     |             |                  |                      |                   |                       |                |               |                |                        |           |

## 11.33 WIFI 5GHz

| Antenna | Band | Power Reduction | Mode              | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|---------|------|-----------------|-------------------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|----------------|----------------|-----------------------|-----------|
| Head    |      |                 |                   |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.11  | 5.3G | Level1          | 802.11n (HT40)    | Left Cheek  | 0          | 54  | 5270        | -0.13            | 0.204               | 13.94             | 15.00                 | 1.276          | 99.02          | 1.010          | 0.263                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Left Tilt   | 0          | 54  | 5270        | 0.02             | 0.135               | 13.94             | 15.00                 | 1.276          | 99.02          | 1.010          | 0.174                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Right Cheek | 0          | 54  | 5270        | -0.12            | 0.068               | 13.94             | 15.00                 | 1.276          | 99.02          | 1.010          | 0.088                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Right Tilt  | 0          | 54  | 5270        | -0.14            | 0.064               | 13.94             | 15.00                 | 1.276          | 99.02          | 1.010          | 0.082                 | /         |
| Ant.11  | 5.3G | Level2          | 802.11ac (VHT80)  | Left Cheek  | 0          | 58  | 5290        | -0.10            | 0.071               | 9.41              | 10.50                 | 1.285          | 99.18          | 1.008          | 0.092                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Left Tilt   | 0          | 58  | 5290        | -0.10            | 0.046               | 9.41              | 10.50                 | 1.285          | 99.18          | 1.008          | 0.060                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Cheek | 0          | 58  | 5290        | 0.05             | 0.023               | 9.41              | 10.50                 | 1.285          | 99.18          | 1.008          | 0.030                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Tilt  | 0          | 58  | 5290        | 0.06             | 0.022               | 9.41              | 10.50                 | 1.285          | 99.18          | 1.008          | 0.028                 | /         |
| Ant.15  | 5.3G | Level1          | 802.11ac (VHT80)  | Left Cheek  | 0          | 58  | 5290        | -0.09            | 0.487               | 14.10             | 15.00                 | 1.230          | 99.18          | 1.008          | 0.604                 | /         |
|         | 5.3G | Level1          | 802.11ac (VHT80)  | Left Tilt   | 0          | 58  | 5290        | 0.07             | 0.716               | 14.10             | 15.00                 | 1.230          | 99.18          | 1.008          | 0.888                 | /         |
|         | 5.3G | Level1          | 802.11ac (VHT80)  | Right Cheek | 0          | 58  | 5290        | 0.01             | 0.294               | 14.10             | 15.00                 | 1.230          | 99.18          | 1.008          | 0.365                 | /         |
|         | 5.3G | Level1          | 802.11ac (VHT80)  | Right Tilt  | 0          | 58  | 5290        | 0.08             | 0.302               | 14.10             | 15.00                 | 1.230          | 99.18          | 1.008          | 0.374                 | /         |
| Ant.15  | 5.3G | Level2          | 802.11ac (VHT80)  | Left Cheek  | 0          | 58  | 5290        | 0.12             | 0.171               | 9.65              | 10.50                 | 1.216          | 99.18          | 1.008          | 0.210                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Left Tilt   | 0          | 58  | 5290        | -0.12            | 0.253               | 9.65              | 10.50                 | 1.216          | 99.18          | 1.008          | 0.310                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Cheek | 0          | 58  | 5290        | -0.11            | 0.098               | 9.65              | 10.50                 | 1.216          | 99.18          | 1.008          | 0.120                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Tilt  | 0          | 58  | 5290        | 0.10             | 0.096               | 9.65              | 10.50                 | 1.216          | 99.18          | 1.008          | 0.118                 | /         |
| MIMO    | 5.3G | Level1          | 802.11n (HT40)    | Left Cheek  | 0          | 54  | 5270        | 0.00             | 0.660               | 17.43             | 18.00                 | 1.140          | 99.02          | 1.010          | 0.760                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Left Tilt   | 0          | 54  | 5270        | 0.03             | 0.828               | 17.43             | 18.00                 | 1.140          | 99.02          | 1.010          | <b>0.953</b>          | 110#      |
|         | 5.3G | Level1          | 802.11n (HT40)    | Right Cheek | 0          | 54  | 5270        | -0.04            | 0.435               | 17.43             | 18.00                 | 1.140          | 99.02          | 1.010          | 0.501                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Right Tilt  | 0          | 54  | 5270        | 0.08             | 0.523               | 17.43             | 18.00                 | 1.140          | 99.02          | 1.010          | 0.602                 | /         |
|         | 5.3G | Level1          | 802.11n (HT40)    | Left Cheek  | 0          | 62  | 5310        | 0.01             | 0.678               | 16.58             | 18.00                 | 1.387          | 99.02          | 1.010          | 0.950                 | /         |
| MIMO    | 5.3G | Level2          | 802.11ac (VHT80)  | Left Cheek  | 0          | 58  | 5290        | -0.06            | 0.207               | 12.54             | 13.50                 | 1.247          | 99.18          | 1.008          | 0.260                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Left Tilt   | 0          | 58  | 5290        | 0.15             | 0.258               | 12.54             | 13.50                 | 1.247          | 99.18          | 1.008          | 0.324                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Cheek | 0          | 58  | 5290        | 0.00             | 0.137               | 12.54             | 13.50                 | 1.247          | 99.18          | 1.008          | 0.172                 | /         |
|         | 5.3G | Level2          | 802.11ac (VHT80)  | Right Tilt  | 0          | 58  | 5290        | -0.05            | 0.164               | 12.54             | 13.50                 | 1.247          | 99.18          | 1.008          | 0.206                 | /         |
| Ant.11  | 5.6G | Level1          | 802.11ac (VHT160) | Left Cheek  | 0          | 114 | 5570        | 0.05             | 0.181               | 13.43             | 14.50                 | 1.279          | 99.46          | 1.005          | 0.233                 | /         |
|         | 5.6G | Level1          | 802.11ac (VHT160) | Left Tilt   | 0          | 114 | 5570        | -0.10            | 0.158               | 13.43             | 14.50                 | 1.279          | 99.46          | 1.005          | 0.203                 | /         |
|         | 5.6G | Level1          | 802.11ac (VHT160) | Right Cheek | 0          | 114 | 5570        | -0.06            | 0.056               | 13.43             | 14.50                 | 1.279          | 99.46          | 1.005          | 0.072                 | /         |
|         | 5.6G | Level1          | 802.11ac (VHT160) | Right Tilt  | 0          | 114 | 5570        | 0.13             | 0.054               | 13.43             | 14.50                 | 1.279          | 99.46          | 1.005          | 0.069                 | /         |
| Ant.11  | 5.6G | Level2          | 802.11ac (VHT160) | Left Cheek  | 0          | 114 | 5570        | 0.11             | 0.074               | 9.50              | 10.50                 | 1.259          | 99.46          | 1.005          | 0.094                 | /         |
|         | 5.6G | Level2          | 802.11ac (VHT160) | Left Tilt   | 0          | 114 | 5570        | 0.15             | 0.062               | 9.50              | 10.50                 | 1.259          | 99.46          | 1.005          | 0.078                 | /         |
|         | 5.6G | Level2          | 802.11ac (VHT160) | Right Cheek | 0          | 114 | 5570        | 0.13             | 0.021               | 9.50              | 10.50                 | 1.259          | 99.46          | 1.005          | 0.027                 | /         |
|         | 5.6G | Level2          | 802.11ac (VHT160) | Right Tilt  | 0          | 114 | 5570        | -0.01            | 0.018               | 9.50              | 10.50                 | 1.259          | 99.46          | 1.005          | 0.023                 | /         |
| Ant.15  | 5.6G | Level1          | 802.11ac (VHT160) | Left Cheek  | 0          | 114 | 5570        | 0.11             | 0.322               | 13.21             | 14.50                 | 1.346          | 99.46          | 1.005          | 0.436                 | /         |
|         | 5.6G | Level1          | 802.11ac (VHT160) | Left Tilt   | 0          | 114 | 5570        | -0.13            | 0.547               | 13.21             | 14.50                 | 1.346          | 99.46          | 1.005          | 0.740                 | /         |
|         | 5.6G | Level1          | 802.11ac (VHT160) | Right Cheek | 0          | 114 | 5570        | -0.04            | 0.205               | 13.21             | 14.50                 | 1.346          | 99.46          | 1.005          | 0.277                 | /         |

|           |      |        |                   |             |    |     |      |       |       |       |       |       |       |       |              |      |
|-----------|------|--------|-------------------|-------------|----|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
|           | 5.6G | Level1 | 802.11ac (VHT160) | Right Tilt  | 0  | 114 | 5570 | 0.12  | 0.258 | 13.21 | 14.50 | 1.346 | 99.46 | 1.005 | 0.349        | /    |
| Ant.15    | 5.6G | Level2 | 802.11ac (VHT160) | Left Cheek  | 0  | 114 | 5570 | -0.03 | 0.146 | 9.57  | 10.50 | 1.239 | 99.46 | 1.005 | 0.182        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Left Tilt   | 0  | 114 | 5570 | -0.11 | 0.206 | 9.57  | 10.50 | 1.239 | 99.46 | 1.005 | 0.257        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Right Cheek | 0  | 114 | 5570 | 0.14  | 0.089 | 9.57  | 10.50 | 1.239 | 99.46 | 1.005 | 0.111        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Right Tilt  | 0  | 114 | 5570 | -0.02 | 0.113 | 9.57  | 10.50 | 1.239 | 99.46 | 1.005 | 0.141        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Right Tilt  | 0  | 114 | 5570 | -0.02 | 0.113 | 9.57  | 10.50 | 1.239 | 99.46 | 1.005 | 0.141        | /    |
| MIMO      | 5.6G | Level1 | 802.11ac (VHT160) | Left Cheek  | 0  | 114 | 5570 | -0.09 | 0.488 | 16.33 | 17.50 | 1.309 | 99.46 | 1.005 | 0.642        | /    |
|           | 5.6G | Level1 | 802.11ac (VHT160) | Left Tilt   | 0  | 114 | 5570 | -0.03 | 0.668 | 16.33 | 17.50 | 1.309 | 99.46 | 1.005 | <b>0.879</b> | 111# |
|           | 5.6G | Level1 | 802.11ac (VHT160) | Right Cheek | 0  | 114 | 5570 | -0.05 | 0.277 | 16.33 | 17.50 | 1.309 | 99.46 | 1.005 | 0.364        | /    |
|           | 5.6G | Level1 | 802.11ac (VHT160) | Right Tilt  | 0  | 114 | 5570 | 0.03  | 0.303 | 16.33 | 17.50 | 1.309 | 99.46 | 1.005 | 0.399        | /    |
| MIMO      | 5.6G | Level2 | 802.11ac (VHT160) | Left Cheek  | 0  | 114 | 5570 | -0.09 | 0.192 | 12.55 | 13.50 | 1.245 | 99.46 | 1.005 | 0.240        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Left Tilt   | 0  | 114 | 5570 | 0.05  | 0.264 | 12.55 | 13.50 | 1.245 | 99.46 | 1.005 | 0.330        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Right Cheek | 0  | 114 | 5570 | 0.04  | 0.108 | 12.55 | 13.50 | 1.245 | 99.46 | 1.005 | 0.135        | /    |
|           | 5.6G | Level2 | 802.11ac (VHT160) | Right Tilt  | 0  | 114 | 5570 | -0.14 | 0.119 | 12.55 | 13.50 | 1.245 | 99.46 | 1.005 | 0.149        | /    |
| Ant.11    | 5.8G | Level1 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | -0.11 | 0.114 | 12.74 | 14.00 | 1.337 | 99.18 | 1.008 | 0.154        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | 0.13  | 0.122 | 12.74 | 14.00 | 1.337 | 99.18 | 1.008 | 0.164        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | 0.07  | 0.035 | 12.74 | 14.00 | 1.337 | 99.18 | 1.008 | 0.047        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | -0.12 | 0.036 | 12.74 | 14.00 | 1.337 | 99.18 | 1.008 | 0.049        | /    |
| Ant.11    | 5.8G | Level2 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | 0.06  | 0.048 | 9.45  | 10.50 | 1.274 | 99.18 | 1.008 | 0.062        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | 0.00  | 0.053 | 9.45  | 10.50 | 1.274 | 99.18 | 1.008 | 0.068        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | -0.04 | 0.017 | 9.45  | 10.50 | 1.274 | 99.18 | 1.008 | 0.022        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | -0.12 | 0.016 | 9.45  | 10.50 | 1.274 | 99.18 | 1.008 | 0.021        | /    |
| Ant.15    | 5.8G | Level1 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | -0.12 | 0.448 | 14.40 | 15.00 | 1.148 | 99.18 | 1.008 | 0.518        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | -0.04 | 0.815 | 14.40 | 15.00 | 1.148 | 99.18 | 1.008 | 0.943        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | -0.12 | 0.274 | 14.40 | 15.00 | 1.148 | 99.18 | 1.008 | 0.317        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | -0.01 | 0.320 | 14.40 | 15.00 | 1.148 | 99.18 | 1.008 | 0.370        | /    |
| Ant.15    | 5.8G | Level2 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | -0.13 | 0.181 | 10.63 | 11.50 | 1.222 | 99.18 | 1.008 | 0.223        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | -0.07 | 0.287 | 10.63 | 11.50 | 1.222 | 99.18 | 1.008 | 0.354        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | 0.14  | 0.108 | 10.63 | 11.50 | 1.222 | 99.18 | 1.008 | 0.133        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | 0.00  | 0.123 | 10.63 | 11.50 | 1.222 | 99.18 | 1.008 | 0.152        | /    |
| MIMO      | 5.8G | Level1 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | 0.11  | 0.530 | 16.66 | 17.50 | 1.213 | 99.18 | 1.008 | 0.648        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | -0.13 | 0.864 | 16.66 | 17.50 | 1.213 | 99.18 | 1.008 | <b>1.056</b> | 112# |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | 0.00  | 0.302 | 16.66 | 17.50 | 1.213 | 99.18 | 1.008 | 0.369        | /    |
|           | 5.8G | Level1 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | -0.08 | 0.335 | 16.66 | 17.50 | 1.213 | 99.18 | 1.008 | 0.410        | /    |
| MIMO      | 5.8G | Level2 | 802.11ac (VHT80)  | Left Cheek  | 0  | 155 | 5775 | 0.12  | 0.233 | 13.09 | 14.00 | 1.233 | 99.18 | 1.008 | 0.290        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Left Tilt   | 0  | 155 | 5775 | -0.01 | 0.372 | 13.09 | 14.00 | 1.233 | 99.18 | 1.008 | 0.462        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Cheek | 0  | 155 | 5775 | 0.06  | 0.129 | 13.09 | 14.00 | 1.233 | 99.18 | 1.008 | 0.160        | /    |
|           | 5.8G | Level2 | 802.11ac (VHT80)  | Right Tilt  | 0  | 155 | 5775 | -0.07 | 0.146 | 13.09 | 14.00 | 1.233 | 99.18 | 1.008 | 0.181        | /    |
| Body-worn |      |        |                   |             |    |     |      |       |       |       |       |       |       |       |              |      |
| Ant.11    | 5.3G | Level3 | 802.11a           | Front Side  | 15 | 64  | 5320 | 0.06  | 0.039 | 15.63 | 17.50 | 1.538 | 98.78 | 1.012 | 0.061        | /    |
|           | 5.3G | Level3 | 802.11a           | Back Side   | 15 | 64  | 5320 | 0.01  | 0.070 | 15.63 | 17.50 | 1.538 | 98.78 | 1.012 | 0.109        | /    |
| Ant.11    | 5.3G | Level4 | 802.11ac (VHT80)  | Front Side  | 15 | 58  | 5290 | 0.07  | 0.013 | 11.35 | 12.50 | 1.303 | 99.18 | 1.008 | 0.017        | /    |
|           | 5.3G | Level4 | 802.11ac (VHT80)  | Back Side   | 15 | 58  | 5290 | -0.12 | 0.021 | 11.35 | 12.50 | 1.303 | 99.18 | 1.008 | 0.028        | /    |
| Ant.15    | 5.3G | Level3 | 802.11a           | Front Side  | 15 | 64  | 5320 | -0.02 | 0.082 | 17.21 | 17.50 | 1.069 | 98.78 | 1.012 | 0.089        | /    |

|         |      |        |                   |            |    |     |      |       |       |       |       |       |       |       |              |      |
|---------|------|--------|-------------------|------------|----|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
|         | 5.3G | Level3 | 802.11a           | Back Side  | 15 | 64  | 5320 | -0.07 | 0.135 | 17.21 | 17.50 | 1.069 | 98.78 | 1.012 | 0.146        | /    |
| Ant.15  | 5.3G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 58  | 5290 | -0.09 | 0.023 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.029        | /    |
|         | 5.3G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 58  | 5290 | 0.09  | 0.037 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.047        | /    |
| MIMO    | 5.3G | Level3 | 802.11a           | Front Side | 15 | 64  | 5320 | -0.10 | 0.072 | 19.50 | 20.50 | 1.259 | 98.78 | 1.012 | 0.092        | /    |
|         | 5.3G | Level3 | 802.11a           | Back Side  | 15 | 64  | 5320 | -0.04 | 0.137 | 19.50 | 20.50 | 1.259 | 98.78 | 1.012 | <b>0.175</b> | 113# |
| MIMO    | 5.3G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 58  | 5290 | -0.05 | 0.022 | 14.45 | 15.50 | 1.274 | 99.18 | 1.008 | 0.028        | /    |
|         | 5.3G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 58  | 5290 | -0.02 | 0.043 | 14.45 | 15.50 | 1.274 | 99.18 | 1.008 | 0.055        | /    |
| Ant.11  | 5.6G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 122 | 5610 | -0.03 | 0.048 | 16.67 | 17.50 | 1.211 | 99.18 | 1.008 | 0.059        | /    |
|         | 5.6G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 122 | 5610 | 0.01  | 0.082 | 16.67 | 17.50 | 1.211 | 99.18 | 1.008 | 0.100        | /    |
| Ant.11  | 5.6G | Level4 | 802.11ac (VHT160) | Front Side | 15 | 114 | 5570 | 0.09  | 0.011 | 11.18 | 12.50 | 1.355 | 99.46 | 1.005 | 0.015        | /    |
|         | 5.6G | Level4 | 802.11ac (VHT160) | Back Side  | 15 | 114 | 5570 | -0.02 | 0.019 | 11.18 | 12.50 | 1.355 | 99.46 | 1.005 | 0.026        | /    |
| Ant.15  | 5.6G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 138 | 5690 | 0.02  | 0.082 | 17.12 | 17.50 | 1.091 | 99.18 | 1.008 | 0.090        | /    |
|         | 5.6G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 138 | 5690 | -0.08 | 0.163 | 17.12 | 17.50 | 1.091 | 99.18 | 1.008 | 0.179        | /    |
| Ant.15  | 5.6G | Level4 | 802.11ac (VHT160) | Front Side | 15 | 114 | 5570 | -0.05 | 0.022 | 11.45 | 12.50 | 1.274 | 99.46 | 1.005 | 0.028        | /    |
|         | 5.6G | Level4 | 802.11ac (VHT160) | Back Side  | 15 | 114 | 5570 | -0.04 | 0.046 | 11.45 | 12.50 | 1.274 | 99.46 | 1.005 | 0.059        | /    |
| MIMO    | 5.6G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 138 | 5690 | 0.11  | 0.094 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | 0.112        | /    |
|         | 5.6G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 138 | 5690 | 0.08  | 0.177 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | <b>0.212</b> | 114# |
| MIMO    | 5.6G | Level4 | 802.11ac (VHT160) | Front Side | 15 | 114 | 5570 | 0.01  | 0.026 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.034        | /    |
|         | 5.6G | Level4 | 802.11ac (VHT160) | Back Side  | 15 | 114 | 5570 | 0.08  | 0.048 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.063        | /    |
| Ant.11  | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | 0.01  | 0.040 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.057        | /    |
|         | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | 0.02  | 0.070 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.100        | /    |
| Ant.11  | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | -0.12 | 0.012 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.016        | /    |
|         | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | -0.13 | 0.019 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.025        | /    |
| Ant.15  | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | -0.12 | 0.121 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.142        | /    |
|         | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | 0.00  | 0.198 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.232        | /    |
| Ant.15  | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | 0.04  | 0.032 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.041        | /    |
|         | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | -0.06 | 0.058 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.074        | /    |
| MIMO    | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | -0.02 | 0.117 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.148        | /    |
|         | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | 0.11  | 0.205 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | <b>0.259</b> | 115# |
| MIMO    | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 15 | 155 | 5775 | -0.11 | 0.035 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.045        | /    |
|         | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 15 | 155 | 5775 | -0.06 | 0.065 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.084        | /    |
| Hotspot |      |        |                   |            |    |     |      |       |       |       |       |       |       |       |              |      |
| Ant.11  | 5.2G | Level3 | 802.11a           | Front Side | 10 | 36  | 5180 | -0.12 | 0.054 | 16.17 | 17.50 | 1.358 | 98.78 | 1.012 | 0.074        | /    |
|         | 5.2G | Level3 | 802.11a           | Back Side  | 10 | 36  | 5180 | 0.10  | 0.088 | 16.17 | 17.50 | 1.358 | 98.78 | 1.012 | 0.121        | /    |
|         | 5.2G | Level3 | 802.11a           | Right Edge | 10 | 36  | 5180 | 0.13  | 0.131 | 16.17 | 17.50 | 1.358 | 98.78 | 1.012 | 0.180        | /    |
|         | 5.2G | Level3 | 802.11a           | Top Edge   | 10 | 36  | 5180 | -0.07 | 0.075 | 16.17 | 17.50 | 1.358 | 98.78 | 1.012 | 0.103        | /    |
| Ant.11  | 5.2G | Level4 | 802.11ac (VHT80)  | Front Side | 10 | 42  | 5210 | 0.00  | 0.017 | 11.23 | 12.50 | 1.340 | 99.18 | 1.008 | 0.023        | /    |
|         | 5.2G | Level4 | 802.11ac (VHT80)  | Back Side  | 10 | 42  | 5210 | 0.01  | 0.027 | 11.23 | 12.50 | 1.340 | 99.18 | 1.008 | 0.036        | /    |
|         | 5.2G | Level4 | 802.11ac (VHT80)  | Right Edge | 10 | 42  | 5210 | -0.07 | 0.040 | 11.23 | 12.50 | 1.340 | 99.18 | 1.008 | 0.054        | /    |
|         | 5.2G | Level4 | 802.11ac (VHT80)  | Top Edge   | 10 | 42  | 5210 | -0.09 | 0.024 | 11.23 | 12.50 | 1.340 | 99.18 | 1.008 | 0.032        | /    |
| Ant.15  | 5.2G | Level3 | 802.11a           | Front Side | 10 | 44  | 5220 | -0.13 | 0.133 | 17.13 | 17.50 | 1.089 | 98.78 | 1.012 | 0.147        | /    |
|         | 5.2G | Level3 | 802.11a           | Back Side  | 10 | 44  | 5220 | -0.05 | 0.317 | 17.13 | 17.50 | 1.089 | 98.78 | 1.012 | 0.349        | /    |
|         | 5.2G | Level3 | 802.11a           | Right Edge | 10 | 44  | 5220 | 0.06  | 0.072 | 17.13 | 17.50 | 1.089 | 98.78 | 1.012 | 0.079        | /    |

|                                                                                |      |        |                  |            |    |     |      |       |       |       |       |       |       |       |              |      |
|--------------------------------------------------------------------------------|------|--------|------------------|------------|----|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
|                                                                                | 5.2G | Level3 | 802.11a          | Top Edge   | 10 | 44  | 5220 | -0.01 | 0.549 | 17.13 | 17.50 | 1.089 | 98.78 | 1.012 | 0.605        | /    |
| Ant.15                                                                         | 5.2G | Level4 | 802.11ac (VHT80) | Front Side | 10 | 42  | 5210 | 0.08  | 0.036 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.045        | /    |
|                                                                                | 5.2G | Level4 | 802.11ac (VHT80) | Back Side  | 10 | 42  | 5210 | 0.15  | 0.087 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.110        | /    |
|                                                                                | 5.2G | Level4 | 802.11ac (VHT80) | Right Edge | 10 | 42  | 5210 | 0.10  | 0.019 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.024        | /    |
|                                                                                | 5.2G | Level4 | 802.11ac (VHT80) | Top Edge   | 10 | 42  | 5210 | -0.10 | 0.152 | 11.52 | 12.50 | 1.253 | 99.18 | 1.008 | 0.192        | /    |
| MIMO                                                                           | 5.2G | Level3 | 802.11a          | Front Side | 10 | 44  | 5220 | -0.09 | 0.156 | 19.52 | 20.50 | 1.253 | 98.78 | 1.012 | 0.198        | /    |
|                                                                                | 5.2G | Level3 | 802.11a          | Back Side  | 10 | 44  | 5220 | 0.09  | 0.295 | 19.52 | 20.50 | 1.253 | 98.78 | 1.012 | 0.374        | /    |
|                                                                                | 5.2G | Level3 | 802.11a          | Right Edge | 10 | 44  | 5220 | 0.15  | 0.154 | 19.52 | 20.50 | 1.253 | 98.78 | 1.012 | 0.195        | /    |
|                                                                                | 5.2G | Level3 | 802.11a          | Top Edge   | 10 | 44  | 5220 | -0.03 | 0.499 | 19.52 | 20.50 | 1.253 | 98.78 | 1.012 | <b>0.633</b> | 116# |
| MIMO                                                                           | 5.2G | Level3 | 802.11ac (VHT80) | Front Side | 10 | 42  | 5210 | 0.05  | 0.048 | 14.39 | 15.50 | 1.291 | 99.18 | 1.008 | 0.062        | /    |
|                                                                                | 5.2G | Level3 | 802.11ac (VHT80) | Back Side  | 10 | 42  | 5210 | -0.09 | 0.091 | 14.39 | 15.50 | 1.291 | 99.18 | 1.008 | 0.118        | /    |
|                                                                                | 5.2G | Level3 | 802.11ac (VHT80) | Right Edge | 10 | 42  | 5210 | -0.12 | 0.050 | 14.39 | 15.50 | 1.291 | 99.18 | 1.008 | 0.065        | /    |
|                                                                                | 5.2G | Level3 | 802.11ac (VHT80) | Top Edge   | 10 | 42  | 5210 | -0.05 | 0.156 | 14.39 | 15.50 | 1.291 | 99.18 | 1.008 | 0.203        | /    |
| Ant.11                                                                         | 5.8G | Level3 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | -0.03 | 0.068 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.097        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | -0.11 | 0.104 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.148        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | 0.00  | 0.190 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.271        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | 0.09  | 0.101 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.144        | /    |
| Ant.11                                                                         | 5.8G | Level4 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | -0.06 | 0.019 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.025        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | -0.10 | 0.028 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.037        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | -0.13 | 0.052 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.070        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | 0.07  | 0.027 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.036        | /    |
| Ant.15                                                                         | 5.8G | Level3 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | 0.00  | 0.161 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.189        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | -0.03 | 0.310 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.364        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | -0.12 | 0.090 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.106        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | 0.00  | 0.565 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.663        | /    |
| Ant.15                                                                         | 5.8G | Level4 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | 0.11  | 0.043 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.055        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | 0.04  | 0.085 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.109        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | 0.07  | 0.025 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.032        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | -0.03 | 0.156 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.200        | /    |
| MIMO                                                                           | 5.8G | Level3 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | 0.15  | 0.158 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.200        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | -0.14 | 0.350 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.442        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | -0.02 | 0.219 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.277        | /    |
|                                                                                | 5.8G | Level3 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | -0.03 | 0.553 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | <b>0.698</b> | 117# |
| MIMO                                                                           | 5.8G | Level4 | 802.11ac (VHT80) | Front Side | 10 | 155 | 5775 | -0.01 | 0.048 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.062        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Back Side  | 10 | 155 | 5775 | 0.12  | 0.109 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.141        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Right Edge | 10 | 155 | 5775 | -0.09 | 0.067 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.087        | /    |
|                                                                                | 5.8G | Level4 | 802.11ac (VHT80) | Top Edge   | 10 | 155 | 5775 | 0.11  | 0.174 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.225        | /    |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |        |                  |            |    |     |      |       |       |       |       |       |       |       |              |      |

| Antenna         | Band | Power Reduction | Mode              | Position   | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|-----------------|------|-----------------|-------------------|------------|------------|-----|-------------|------------------|----------------------|-------------------|-----------------------|----------------|----------------|----------------|------------------------|-----------|
| <b>Specific</b> |      |                 |                   |            |            |     |             |                  |                      |                   |                       |                |                |                |                        |           |
| Ant.11          | 5.3G | Level3          | 802.11a           | Front Side | 0          | 64  | 5320        | 0.12             | 0.202                | 15.63             | 17.50                 | 1.538          | 98.78          | 1.012          | 0.314                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Back Side  | 0          | 64  | 5320        | 0.10             | 0.526                | 15.63             | 17.50                 | 1.538          | 98.78          | 1.012          | 0.819                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Right Edge | 0          | 64  | 5320        | 0.10             | 0.944                | 15.63             | 17.50                 | 1.538          | 98.78          | 1.012          | 1.469                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Top Edge   | 0          | 64  | 5320        | -0.06            | 0.072                | 15.63             | 17.50                 | 1.538          | 98.78          | 1.012          | 0.112                  | /         |
| Ant.11          | 5.3G | Level4          | 802.11ac (VHT80)  | Front Side | 0          | 58  | 5290        | -0.08            | 0.056                | 11.35             | 12.50                 | 1.303          | 99.18          | 1.008          | 0.074                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Back Side  | 0          | 58  | 5290        | 0.07             | 0.146                | 11.35             | 12.50                 | 1.303          | 99.18          | 1.008          | 0.192                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Right Edge | 0          | 58  | 5290        | -0.08            | 0.263                | 11.35             | 12.50                 | 1.303          | 99.18          | 1.008          | 0.345                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Top Edge   | 0          | 58  | 5290        | 0.12             | 0.020                | 11.35             | 12.50                 | 1.303          | 99.18          | 1.008          | 0.026                  | /         |
| Ant.15          | 5.3G | Level3          | 802.11a           | Front Side | 0          | 64  | 5320        | 0.00             | 0.437                | 17.21             | 17.50                 | 1.069          | 98.78          | 1.012          | 0.473                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Back Side  | 0          | 64  | 5320        | 0.12             | 0.266                | 17.21             | 17.50                 | 1.069          | 98.78          | 1.012          | 0.288                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Right Edge | 0          | 64  | 5320        | 0.15             | 0.092                | 17.21             | 17.50                 | 1.069          | 98.78          | 1.012          | 0.100                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Top Edge   | 0          | 64  | 5320        | -0.05            | 1.590                | 17.21             | 17.50                 | 1.069          | 98.78          | 1.012          | 1.720                  | /         |
| Ant.15          | 5.3G | Level4          | 802.11ac (VHT80)  | Front Side | 0          | 58  | 5290        | 0.10             | 0.118                | 11.52             | 12.50                 | 1.253          | 99.18          | 1.008          | 0.149                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Back Side  | 0          | 58  | 5290        | -0.01            | 0.071                | 11.52             | 12.50                 | 1.253          | 99.18          | 1.008          | 0.090                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Right Edge | 0          | 58  | 5290        | -0.04            | 0.024                | 11.52             | 12.50                 | 1.253          | 99.18          | 1.008          | 0.030                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Top Edge   | 0          | 58  | 5290        | -0.13            | 0.414                | 11.52             | 12.50                 | 1.253          | 99.18          | 1.008          | 0.523                  | /         |
| MIMO            | 5.3G | Level3          | 802.11a           | Front Side | 0          | 64  | 5320        | -0.01            | 0.431                | 19.50             | 20.50                 | 1.259          | 98.78          | 1.012          | 0.549                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Back Side  | 0          | 64  | 5320        | 0.12             | 0.559                | 19.50             | 20.50                 | 1.259          | 98.78          | 1.012          | 0.712                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Right Edge | 0          | 64  | 5320        | 0.10             | 0.605                | 19.50             | 20.50                 | 1.259          | 98.78          | 1.012          | 0.771                  | /         |
|                 | 5.3G | Level3          | 802.11a           | Top Edge   | 0          | 64  | 5320        | -0.05            | 1.540                | 19.50             | 20.50                 | 1.259          | 98.78          | 1.012          | <b>1.962</b>           | 118#      |
| MIMO            | 5.3G | Level4          | 802.11ac (VHT80)  | Front Side | 0          | 58  | 5290        | 0.02             | 0.118                | 14.45             | 15.50                 | 1.274          | 99.18          | 1.008          | 0.152                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Back Side  | 0          | 58  | 5290        | -0.13            | 0.156                | 14.45             | 15.50                 | 1.274          | 99.18          | 1.008          | 0.200                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Right Edge | 0          | 58  | 5290        | 0.13             | 0.168                | 14.45             | 15.50                 | 1.274          | 99.18          | 1.008          | 0.216                  | /         |
|                 | 5.3G | Level4          | 802.11ac (VHT80)  | Top Edge   | 0          | 58  | 5290        | 0.07             | 0.426                | 14.45             | 15.50                 | 1.274          | 99.18          | 1.008          | 0.547                  | /         |
| Ant.11          | 5.6G | Level3          | 802.11ac (VHT80)  | Front Side | 0          | 122 | 5610        | 0.00             | 0.159                | 16.67             | 17.50                 | 1.211          | 99.18          | 1.008          | 0.194                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Back Side  | 0          | 122 | 5610        | -0.07            | 0.309                | 16.67             | 17.50                 | 1.211          | 99.18          | 1.008          | 0.377                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Right Edge | 0          | 122 | 5610        | -0.13            | 0.714                | 16.67             | 17.50                 | 1.211          | 99.18          | 1.008          | 0.872                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Top Edge   | 0          | 122 | 5610        | -0.04            | 0.079                | 16.67             | 17.50                 | 1.211          | 99.18          | 1.008          | 0.096                  | /         |
| Ant.11          | 5.6G | Level4          | 802.11ac (VHT160) | Front Side | 0          | 114 | 5570        | 0.02             | 0.043                | 11.18             | 12.50                 | 1.355          | 99.46          | 1.005          | 0.059                  | /         |
|                 | 5.6G | Level4          | 802.11ac (VHT160) | Back Side  | 0          | 114 | 5570        | -0.08            | 0.086                | 11.18             | 12.50                 | 1.355          | 99.46          | 1.005          | 0.117                  | /         |
|                 | 5.6G | Level4          | 802.11ac (VHT160) | Right Edge | 0          | 114 | 5570        | -0.14            | 0.198                | 11.18             | 12.50                 | 1.355          | 99.46          | 1.005          | 0.270                  | /         |
|                 | 5.6G | Level4          | 802.11ac (VHT160) | Top Edge   | 0          | 114 | 5570        | -0.10            | 0.022                | 11.18             | 12.50                 | 1.355          | 99.46          | 1.005          | 0.030                  | /         |
| Ant.15          | 5.6G | Level3          | 802.11ac (VHT80)  | Front Side | 0          | 138 | 5690        | -0.07            | 0.293                | 17.12             | 17.50                 | 1.091          | 99.18          | 1.008          | 0.322                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Back Side  | 0          | 138 | 5690        | 0.09             | 0.172                | 17.12             | 17.50                 | 1.091          | 99.18          | 1.008          | 0.189                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Right Edge | 0          | 138 | 5690        | -0.02            | 0.156                | 17.12             | 17.50                 | 1.091          | 99.18          | 1.008          | 0.172                  | /         |
|                 | 5.6G | Level3          | 802.11ac (VHT80)  | Top Edge   | 0          | 138 | 5690        | -0.12            | 1.130                | 17.12             | 17.50                 | 1.091          | 99.18          | 1.008          | 1.243                  | /         |
| Ant.15          | 5.6G | Level4          | 802.11ac (VHT160) | Front Side | 0          | 114 | 5570        | -0.12            | 0.083                | 11.45             | 12.50                 | 1.274          | 99.46          | 1.005          | 0.106                  | /         |

|        |      |        |                   |            |   |     |      |       |       |       |       |       |       |       |              |      |
|--------|------|--------|-------------------|------------|---|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
|        | 5.6G | Level4 | 802.11ac (VHT160) | Back Side  | 0 | 114 | 5570 | 0.05  | 0.047 | 11.45 | 12.50 | 1.274 | 99.46 | 1.005 | 0.060        | /    |
|        | 5.6G | Level4 | 802.11ac (VHT160) | Right Edge | 0 | 114 | 5570 | 0.13  | 0.042 | 11.45 | 12.50 | 1.274 | 99.46 | 1.005 | 0.054        | /    |
|        | 5.6G | Level4 | 802.11ac (VHT160) | Top Edge   | 0 | 114 | 5570 | -0.01 | 0.310 | 11.45 | 12.50 | 1.274 | 99.46 | 1.005 | 0.397        | /    |
| MIMO   | 5.6G | Level3 | 802.11ac (VHT80)  | Front Side | 0 | 138 | 5690 | -0.08 | 0.306 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | 0.366        | /    |
|        | 5.6G | Level3 | 802.11ac (VHT80)  | Back Side  | 0 | 138 | 5690 | 0.08  | 0.204 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | 0.244        | /    |
|        | 5.6G | Level3 | 802.11ac (VHT80)  | Right Edge | 0 | 138 | 5690 | -0.07 | 0.708 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | 0.846        | /    |
|        | 5.6G | Level3 | 802.11ac (VHT80)  | Top Edge   | 0 | 138 | 5690 | 0.00  | 1.460 | 19.76 | 20.50 | 1.186 | 99.18 | 1.008 | <b>1.745</b> | 119# |
| MIMO   | 5.6G | Level4 | 802.11ac (VHT160) | Front Side | 0 | 114 | 5570 | -0.05 | 0.084 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.111        | /    |
|        | 5.6G | Level4 | 802.11ac (VHT160) | Back Side  | 0 | 114 | 5570 | -0.10 | 0.056 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.074        | /    |
|        | 5.6G | Level4 | 802.11ac (VHT160) | Right Edge | 0 | 114 | 5570 | -0.01 | 0.197 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.259        | /    |
|        | 5.6G | Level4 | 802.11ac (VHT160) | Top Edge   | 0 | 114 | 5570 | -0.14 | 0.405 | 14.33 | 15.50 | 1.309 | 99.46 | 1.005 | 0.533        | /    |
| Ant.11 | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | -0.04 | 0.175 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.250        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | -0.08 | 0.323 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.461        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | -0.10 | 0.816 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 1.165        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | 0.13  | 0.105 | 15.99 | 17.50 | 1.416 | 99.18 | 1.008 | 0.150        | /    |
| Ant.11 | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | -0.10 | 0.048 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.064        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | -0.10 | 0.089 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.119        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | 0.15  | 0.227 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.304        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | -0.05 | 0.030 | 11.27 | 12.50 | 1.327 | 99.18 | 1.008 | 0.040        | /    |
| Ant.15 | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | -0.13 | 0.588 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.690        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | 0.12  | 0.351 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.412        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | -0.08 | 0.176 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 0.207        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | -0.09 | 1.560 | 17.84 | 18.50 | 1.164 | 99.18 | 1.008 | 1.830        | /    |
| Ant.15 | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | 0.05  | 0.165 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.212        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | 0.10  | 0.093 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.119        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | -0.12 | 0.048 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.062        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | 0.05  | 0.436 | 12.45 | 13.50 | 1.274 | 99.18 | 1.008 | 0.560        | /    |
| MIMO   | 5.8G | Level3 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | -0.08 | 0.642 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.811        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | -0.11 | 0.397 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 0.501        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | 0.08  | 0.854 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | 1.079        | /    |
|        | 5.8G | Level3 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | 0.03  | 1.610 | 20.02 | 21.00 | 1.253 | 99.18 | 1.008 | <b>2.033</b> | 120# |
| MIMO   | 5.8G | Level4 | 802.11ac (VHT80)  | Front Side | 0 | 155 | 5775 | 0.00  | 0.189 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.245        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Back Side  | 0 | 155 | 5775 | 0.06  | 0.116 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.150        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Right Edge | 0 | 155 | 5775 | -0.12 | 0.250 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.324        | /    |
|        | 5.8G | Level4 | 802.11ac (VHT80)  | Top Edge   | 0 | 155 | 5775 | -0.12 | 0.472 | 14.91 | 16.00 | 1.285 | 99.18 | 1.008 | 0.611        | /    |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

## 11.34 WIFI 6GHz

| Antenna          | Band | Power Reduction | Mode             | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|------------------|------|-----------------|------------------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|----------------|----------------|-----------------------|-----------|
| <b>Head</b>      |      |                 |                  |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.11           | 6G   | Level1&2        | 802.11ax (HE160) | Left Cheek  | 0          | 15  | 6025        | -0.02            | 0.074               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.077                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 15  | 6025        | 0.04             | 0.078               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.082                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Cheek | 0          | 15  | 6025        | 0.09             | 0.023               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.024                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Tilt  | 0          | 15  | 6025        | 0.08             | 0.023               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.024                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 47  | 6185        | -0.13            | 0.052               | 8.86              | 9.50                  | 1.159          | 99.34          | 1.007          | 0.061                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 79  | 6345        | -0.12            | 0.034               | 8.61              | 9.50                  | 1.227          | 99.34          | 1.007          | 0.042                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 111 | 6505        | -0.11            | 0.032               | 8.65              | 9.50                  | 1.216          | 99.34          | 1.007          | 0.039                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 143 | 6665        | 0.06             | 0.023               | 8.57              | 9.50                  | 1.239          | 99.34          | 1.007          | 0.029                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 175 | 6825        | -0.06            | 0.019               | 8.87              | 9.50                  | 1.156          | 99.34          | 1.007          | 0.022                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 207 | 6985        | 0.10             | 0.030               | 8.99              | 9.50                  | 1.125          | 99.34          | 1.007          | 0.034                 | /         |
| Ant.15           | 6G   | Level1&2        | 802.11ax (HE160) | Left Cheek  | 0          | 15  | 6025        | 0.12             | 0.142               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.158                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 15  | 6025        | 0.03             | 0.193               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.215                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Cheek | 0          | 15  | 6025        | 0.08             | 0.084               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.094                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Tilt  | 0          | 15  | 6025        | 0.14             | 0.100               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.111                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 47  | 6185        | -0.02            | 0.171               | 8.52              | 9.50                  | 1.253          | 99.34          | 1.007          | <b>0.216</b>          | 121#      |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 79  | 6345        | 0.11             | 0.141               | 8.81              | 9.50                  | 1.172          | 99.34          | 1.007          | 0.166                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 111 | 6505        | -0.10            | 0.127               | 8.71              | 9.50                  | 1.199          | 99.34          | 1.007          | 0.153                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 143 | 6665        | 0.04             | 0.164               | 8.71              | 9.50                  | 1.199          | 99.34          | 1.007          | 0.198                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 175 | 6825        | 0.01             | 0.070               | 8.60              | 9.50                  | 1.230          | 99.34          | 1.007          | 0.087                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 207 | 6985        | -0.05            | 0.037               | 8.96              | 9.50                  | 1.132          | 99.34          | 1.007          | 0.042                 | /         |
| MIMO             | 6G   | Level1&2        | 802.11ax (HE160) | Left Cheek  | 0          | 15  | 6025        | 0.04             | 0.135               | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.145                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 15  | 6025        | 0.01             | 0.192               | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.207                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Cheek | 0          | 15  | 6025        | -0.01            | 0.077               | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.083                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Right Tilt  | 0          | 15  | 6025        | 0.12             | 0.091               | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.098                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 47  | 6185        | -0.04            | 0.168               | 11.70             | 12.50                 | 1.202          | 99.34          | 1.007          | 0.203                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 79  | 6345        | -0.05            | 0.138               | 11.72             | 12.50                 | 1.197          | 99.34          | 1.007          | 0.166                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 111 | 6505        | 0.01             | 0.120               | 11.69             | 12.50                 | 1.205          | 99.34          | 1.007          | 0.146                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 143 | 6665        | 0.03             | 0.146               | 11.65             | 12.50                 | 1.216          | 99.34          | 1.007          | 0.179                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 175 | 6825        | -0.01            | 0.067               | 11.75             | 12.50                 | 1.189          | 99.34          | 1.007          | 0.080                 | /         |
|                  | 6G   | Level1&2        | 802.11ax (HE160) | Left Tilt   | 0          | 207 | 6985        | 0.02             | 0.034               | 11.99             | 12.50                 | 1.125          | 99.34          | 1.007          | 0.039                 | /         |
| <b>Body-worn</b> |      |                 |                  |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.11           | 6G   | Level3&4        | 802.11ax (HE160) | Front Side  | 15         | 15  | 6025        | -0.13            | 0.014               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.015                 | /         |
|                  | 6G   | Level3&4        | 802.11ax (HE160) | Back Side   | 15         | 15  | 6025        | -0.01            | 0.034               | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | <b>0.036</b>          | 122#      |
| Ant.15           | 6G   | Level3&4        | 802.11ax (HE160) | Front Side  | 15         | 15  | 6025        | 0.06             | 0.020               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.022                 | /         |
|                  | 6G   | Level3&4        | 802.11ax (HE160) | Back Side   | 15         | 15  | 6025        | 0.07             | 0.030               | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.033                 | /         |
| MIMO             | 6G   | Level3&4        | 802.11ax (HE160) | Front Side  | 15         | 47  | 6185        | 0.11             | 0.018               | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.019                 | /         |

|                                                                                |    |          |                  |           |    |    |      |       |       |       |       |       |       |       |       |   |
|--------------------------------------------------------------------------------|----|----------|------------------|-----------|----|----|------|-------|-------|-------|-------|-------|-------|-------|-------|---|
|                                                                                | 6G | Level3&4 | 802.11ax (HE160) | Back Side | 15 | 47 | 6185 | -0.10 | 0.031 | 12.21 | 12.50 | 1.069 | 99.34 | 1.007 | 0.033 | / |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |    |          |                  |           |    |    |      |       |       |       |       |       |       |       |       |   |

| Antenna                                                                        | Band | Power Reduction | Mode             | Position   | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-----------------|------------------|------------|------------|-----|-------------|------------------|----------------------|-------------------|-----------------------|----------------|----------------|----------------|------------------------|-----------|
| Specific                                                                       |      |                 |                  |            |            |     |             |                  |                      |                   |                       |                |                |                |                        |           |
| Ant.11                                                                         | 6G   | Level3&4        | 802.11ax (HE160) | Front Side | 0          | 15  | 6025        | 0.02             | 0.068                | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.071                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Back Side  | 0          | 15  | 6025        | -0.13            | 0.187                | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.196                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 15  | 6025        | 0.14             | 0.212                | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.222                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 15  | 6025        | -0.10            | 0.047                | 9.33              | 9.50                  | 1.040          | 99.34          | 1.007          | 0.049                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 47  | 6185        | -0.11            | 0.163                | 8.86              | 9.50                  | 1.159          | 99.34          | 1.007          | 0.190                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 79  | 6345        | 0.10             | 0.134                | 8.61              | 9.50                  | 1.227          | 99.34          | 1.007          | 0.166                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 111 | 6505        | -0.03            | 0.114                | 8.65              | 9.50                  | 1.216          | 99.34          | 1.007          | 0.140                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 143 | 6665        | 0.14             | 0.095                | 8.57              | 9.50                  | 1.239          | 99.34          | 1.007          | 0.119                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 175 | 6825        | -0.09            | 0.072                | 8.87              | 9.50                  | 1.156          | 99.34          | 1.007          | 0.084                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 207 | 6985        | -0.12            | 0.052                | 8.99              | 9.50                  | 1.125          | 99.34          | 1.007          | 0.059                  | /         |
| Ant.15                                                                         | 6G   | Level3&4        | 802.11ax (HE160) | Front Side | 0          | 15  | 6025        | -0.10            | 0.130                | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.145                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Back Side  | 0          | 15  | 6025        | -0.05            | 0.079                | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.088                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 15  | 6025        | -0.02            | 0.035                | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | 0.039                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 15  | 6025        | 0.06             | 0.264                | 9.06              | 9.50                  | 1.107          | 99.34          | 1.007          | <b>0.294</b>           | 123#      |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 47  | 6185        | -0.08            | 0.145                | 8.52              | 9.50                  | 1.253          | 99.34          | 1.007          | 0.183                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 79  | 6345        | 0.14             | 0.115                | 8.81              | 9.50                  | 1.172          | 99.34          | 1.007          | 0.136                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 111 | 6505        | 0.02             | 0.107                | 8.71              | 9.50                  | 1.199          | 99.34          | 1.007          | 0.129                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 143 | 6665        | 0.06             | 0.138                | 8.71              | 9.50                  | 1.199          | 99.34          | 1.007          | 0.167                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 175 | 6825        | 0.09             | 0.063                | 8.60              | 9.50                  | 1.230          | 99.34          | 1.007          | 0.078                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 207 | 6985        | -0.01            | 0.042                | 8.96              | 9.50                  | 1.132          | 99.34          | 1.007          | 0.048                  | /         |
| MIMO                                                                           | 6G   | Level3&4        | 802.11ax (HE160) | Front Side | 0          | 15  | 6025        | 0.05             | 0.119                | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.128                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Back Side  | 0          | 15  | 6025        | -0.03            | 0.184                | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.198                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Right Edge | 0          | 15  | 6025        | -0.05            | 0.199                | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.214                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 15  | 6025        | 0.03             | 0.238                | 12.21             | 12.50                 | 1.069          | 99.34          | 1.007          | 0.256                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 47  | 6185        | -0.01            | 0.160                | 11.70             | 12.50                 | 1.202          | 99.34          | 1.007          | 0.194                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 79  | 6345        | 0.15             | 0.134                | 11.72             | 12.50                 | 1.197          | 99.34          | 1.007          | 0.162                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 111 | 6505        | -0.07            | 0.116                | 11.69             | 12.50                 | 1.205          | 99.34          | 1.007          | 0.141                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 143 | 6665        | 0.06             | 0.136                | 11.65             | 12.50                 | 1.216          | 99.34          | 1.007          | 0.167                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 175 | 6825        | -0.05            | 0.072                | 11.75             | 12.50                 | 1.189          | 99.34          | 1.007          | 0.086                  | /         |
|                                                                                | 6G   | Level3&4        | 802.11ax (HE160) | Top Edge   | 0          | 207 | 6985        | -0.06            | 0.053                | 11.99             | 12.50                 | 1.125          | 99.34          | 1.007          | 0.060                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                 |                  |            |            |     |             |                  |                      |                   |                       |                |                |                |                        |           |

## 11.35 Bluetooth

| Antenna          | Mode | Power Reduction | Position    | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|------------------|------|-----------------|-------------|------------|-----|-------------|------------------|---------------------|-------------------|-----------------------|----------------|----------------|----------------|-----------------------|-----------|
| <b>Head</b>      |      |                 |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.7            | DH5  | High Power      | Left Cheek  | 0          | 0   | 2402        | 0.01             | 0.178               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.424                 | /         |
| Ant.7            | DH5  | High Power      | Left Tilt   | 0          | 0   | 2402        | 0.13             | 0.284               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.677                 | /         |
| Ant.7            | DH5  | High Power      | Right Cheek | 0          | 0   | 2402        | -0.12            | 0.126               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.300                 | /         |
| Ant.7            | DH5  | High Power      | Right Tilt  | 0          | 0   | 2402        | 0.13             | 0.137               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.327                 | /         |
| Ant.7            | DH5  | Low Power1      | Left Cheek  | 0          | 39  | 2441        | 0.13             | 0.051               | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.124                 | /         |
| Ant.7            | DH5  | Low Power1      | Left Tilt   | 0          | 39  | 2441        | 0.03             | 0.079               | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.192                 | /         |
| Ant.7            | DH5  | Low Power1      | Right Cheek | 0          | 39  | 2441        | 0.07             | 0.034               | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.083                 | /         |
| Ant.7            | DH5  | Low Power1      | Right Tilt  | 0          | 39  | 2441        | 0.01             | 0.038               | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.092                 | /         |
| Ant.7            | DH5  | Low Power2      | Left Cheek  | 0          | 78  | 2480        | -0.09            | 0.020               | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.047                 | /         |
| Ant.7            | DH5  | Low Power2      | Left Tilt   | 0          | 78  | 2480        | 0.11             | 0.032               | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.075                 | /         |
| Ant.7            | DH5  | Low Power2      | Right Cheek | 0          | 78  | 2480        | 0.02             | 0.011               | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.026                 | /         |
| Ant.7            | DH5  | Low Power2      | Right Tilt  | 0          | 78  | 2480        | 0.11             | 0.015               | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.035                 | /         |
| Ant.9            | DH5  | High Power      | Left Cheek  | 0          | 78  | 2480        | 0.15             | 0.416               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.802                 | /         |
| Ant.9            | DH5  | High Power      | Left Tilt   | 0          | 78  | 2480        | -0.09            | 0.168               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.324                 | /         |
| Ant.9            | DH5  | High Power      | Right Cheek | 0          | 78  | 2480        | 0.14             | 0.135               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.260                 | /         |
| Ant.9            | DH5  | High Power      | Right Tilt  | 0          | 78  | 2480        | 0.04             | 0.106               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.204                 | /         |
| Ant.9            | DH5  | High Power      | Left Cheek  | 0          | 0   | 2402        | 0.09             | 0.502               | 16.10             | 18.00                 | 1.549          | 76.67          | 1.304          | <b>1.014</b>          | 124#      |
| Ant.9            | DH5  | High Power      | Left Cheek  | 0          | 39  | 2441        | 0.09             | 0.357               | 15.49             | 18.00                 | 1.782          | 76.67          | 1.304          | 0.830                 | /         |
| Ant.9            | DH5  | Low Power1      | Left Cheek  | 0          | 0   | 2402        | 0.05             | 0.163               | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.323                 | /         |
| Ant.9            | DH5  | Low Power1      | Left Tilt   | 0          | 0   | 2402        | -0.12            | 0.061               | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.121                 | /         |
| Ant.9            | DH5  | Low Power1      | Right Cheek | 0          | 0   | 2402        | 0.15             | 0.060               | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.119                 | /         |
| Ant.9            | DH5  | Low Power1      | Right Tilt  | 0          | 0   | 2402        | -0.07            | 0.043               | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.085                 | /         |
| Ant.9            | DH5  | Low Power2      | Left Cheek  | 0          | 0   | 2402        | 0.13             | 0.068               | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.138                 | /         |
| Ant.9            | DH5  | Low Power2      | Left Tilt   | 0          | 0   | 2402        | 0.04             | 0.027               | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.055                 | /         |
| Ant.9            | DH5  | Low Power2      | Right Cheek | 0          | 0   | 2402        | -0.06            | 0.025               | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.051                 | /         |
| Ant.9            | DH5  | Low Power2      | Right Tilt  | 0          | 0   | 2402        | -0.06            | 0.018               | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.036                 | /         |
| <b>Body-worn</b> |      |                 |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.7            | DH5  | High Power      | Front Side  | 15         | 0   | 2402        | 0.10             | 0.007               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.013                 | /         |
| Ant.7            | DH5  | High Power      | Back Side   | 15         | 0   | 2402        | -0.13            | 0.023               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.042                 | /         |
| Ant.9            | DH5  | High Power      | Front Side  | 15         | 78  | 2480        | 0.08             | 0.011               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.016                 | /         |
| Ant.9            | DH5  | High Power      | Back Side   | 15         | 78  | 2480        | -0.11            | 0.062               | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | <b>0.092</b>          | 125#      |
| <b>Hotspot</b>   |      |                 |             |            |     |             |                  |                     |                   |                       |                |                |                |                       |           |
| Ant.7            | DH5  | High Power      | Front Side  | 10         | 0   | 2402        | 0.02             | 0.013               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.024                 | /         |
| Ant.7            | DH5  | High Power      | Back Side   | 10         | 0   | 2402        | -0.08            | 0.048               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.088                 | /         |
| Ant.7            | DH5  | High Power      | Right Edge  | 10         | 0   | 2402        | 0.12             | 0.003               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.005                 | /         |
| Ant.7            | DH5  | High Power      | Top Edge    | 10         | 0   | 2402        | -0.06            | 0.090               | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.165                 | /         |

|       |     |            |            |    |    |      |       |       |       |       |       |       |       |       |      |
|-------|-----|------------|------------|----|----|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Ant.7 | DH5 | Low Power1 | Front Side | 10 | 39 | 2441 | -0.08 | 0.004 | 10.29 | 13.00 | 1.866 | 76.67 | 1.304 | 0.007 | /    |
| Ant.7 | DH5 | Low Power1 | Back Side  | 10 | 39 | 2441 | 0.09  | 0.014 | 10.29 | 13.00 | 1.866 | 76.67 | 1.304 | 0.026 | /    |
| Ant.7 | DH5 | Low Power1 | Right Edge | 10 | 39 | 2441 | -0.12 | 0.001 | 10.29 | 13.00 | 1.866 | 76.67 | 1.304 | 0.002 | /    |
| Ant.7 | DH5 | Low Power1 | Top Edge   | 10 | 39 | 2441 | 0.14  | 0.025 | 10.29 | 13.00 | 1.866 | 76.67 | 1.304 | 0.047 | /    |
| Ant.7 | DH5 | Low Power2 | Front Side | 10 | 78 | 2480 | 0.10  | 0.002 | 6.47  | 9.00  | 1.791 | 76.67 | 1.304 | 0.004 | /    |
| Ant.7 | DH5 | Low Power2 | Back Side  | 10 | 78 | 2480 | -0.14 | 0.006 | 6.47  | 9.00  | 1.791 | 76.67 | 1.304 | 0.011 | /    |
| Ant.7 | DH5 | Low Power2 | Right Edge | 10 | 78 | 2480 | -0.06 | 0.001 | 6.47  | 9.00  | 1.791 | 76.67 | 1.304 | 0.002 | /    |
| Ant.7 | DH5 | Low Power2 | Top Edge   | 10 | 78 | 2480 | -0.13 | 0.010 | 6.47  | 9.00  | 1.791 | 76.67 | 1.304 | 0.018 | /    |
| Ant.9 | DH5 | High Power | Front Side | 10 | 78 | 2480 | 0.11  | 0.092 | 16.30 | 18.00 | 1.479 | 76.67 | 1.304 | 0.136 | /    |
| Ant.9 | DH5 | High Power | Back Side  | 10 | 78 | 2480 | -0.13 | 0.139 | 16.30 | 18.00 | 1.479 | 76.67 | 1.304 | 0.206 | /    |
| Ant.9 | DH5 | High Power | Right Edge | 10 | 78 | 2480 | 0.02  | 0.237 | 16.30 | 18.00 | 1.479 | 76.67 | 1.304 | 0.351 | 126# |
| Ant.9 | DH5 | High Power | Top Edge   | 10 | 78 | 2480 | 0.06  | 0.066 | 16.30 | 18.00 | 1.479 | 76.67 | 1.304 | 0.098 | /    |
| Ant.9 | DH5 | Low Power1 | Front Side | 10 | 0  | 2402 | -0.13 | 0.036 | 12.18 | 14.00 | 1.521 | 76.67 | 1.304 | 0.055 | /    |
| Ant.9 | DH5 | Low Power1 | Back Side  | 10 | 0  | 2402 | -0.13 | 0.056 | 12.18 | 14.00 | 1.521 | 76.67 | 1.304 | 0.085 | /    |
| Ant.9 | DH5 | Low Power1 | Right Edge | 10 | 0  | 2402 | 0.08  | 0.093 | 12.18 | 14.00 | 1.521 | 76.67 | 1.304 | 0.141 | /    |
| Ant.9 | DH5 | Low Power1 | Top Edge   | 10 | 0  | 2402 | 0.11  | 0.024 | 12.18 | 14.00 | 1.521 | 76.67 | 1.304 | 0.037 | /    |
| Ant.9 | DH5 | Low Power2 | Front Side | 10 | 0  | 2402 | 0.12  | 0.015 | 8.09  | 10.00 | 1.552 | 76.67 | 1.304 | 0.023 | /    |
| Ant.9 | DH5 | Low Power2 | Back Side  | 10 | 0  | 2402 | 0.14  | 0.022 | 8.09  | 10.00 | 1.552 | 76.67 | 1.304 | 0.034 | /    |
| Ant.9 | DH5 | Low Power2 | Right Edge | 10 | 0  | 2402 | 0.06  | 0.034 | 8.09  | 10.00 | 1.552 | 76.67 | 1.304 | 0.053 | /    |
| Ant.9 | DH5 | Low Power2 | Top Edge   | 10 | 0  | 2402 | 0.04  | 0.008 | 8.09  | 10.00 | 1.552 | 76.67 | 1.304 | 0.012 | /    |

Note: Refer to ANNEX C for the detailed test data for each test configuration.

| Antenna                                                                        | Mode | Power Reduction | Position   | Dist. (mm) | Ch. | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | Duty Cycle (%) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-----------------|------------|------------|-----|-------------|------------------|----------------------|-------------------|-----------------------|----------------|----------------|----------------|------------------------|-----------|
| <b>Specific</b>                                                                |      |                 |            |            |     |             |                  |                      |                   |                       |                |                |                |                        |           |
| Ant.7                                                                          | DH5  | High Power      | Front Side | 0          | 0   | 2402        | 0.03             | 0.213                | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.389                  | /         |
| Ant.7                                                                          | DH5  | High Power      | Back Side  | 0          | 0   | 2402        | -0.13            | 0.343                | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.627                  | /         |
| Ant.7                                                                          | DH5  | High Power      | Right Edge | 0          | 0   | 2402        | 0.14             | 0.031                | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | 0.057                  | /         |
| Ant.7                                                                          | DH5  | High Power      | Top Edge   | 0          | 0   | 2402        | -0.12            | 0.718                | 16.38             | 19.00                 | 1.828          | 76.67          | 1.304          | <b>1.313</b>           | 127#      |
| Ant.7                                                                          | DH5  | Low Power1      | Front Side | 0          | 39  | 2441        | 0.13             | 0.055                | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.103                  | /         |
| Ant.7                                                                          | DH5  | Low Power1      | Back Side  | 0          | 39  | 2441        | -0.03            | 0.085                | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.159                  | /         |
| Ant.7                                                                          | DH5  | Low Power1      | Right Edge | 0          | 39  | 2441        | -0.11            | 0.008                | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.015                  | /         |
| Ant.7                                                                          | DH5  | Low Power1      | Top Edge   | 0          | 39  | 2441        | -0.09            | 0.183                | 10.29             | 13.00                 | 1.866          | 76.67          | 1.304          | 0.341                  | /         |
| Ant.7                                                                          | DH5  | Low Power2      | Front Side | 0          | 78  | 2480        | 0.06             | 0.021                | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.038                  | /         |
| Ant.7                                                                          | DH5  | Low Power2      | Back Side  | 0          | 78  | 2480        | 0.02             | 0.034                | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.061                  | /         |
| Ant.7                                                                          | DH5  | Low Power2      | Right Edge | 0          | 78  | 2480        | -0.11            | 0.002                | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.004                  | /         |
| Ant.7                                                                          | DH5  | Low Power2      | Top Edge   | 0          | 78  | 2480        | -0.05            | 0.071                | 6.47              | 9.00                  | 1.791          | 76.67          | 1.304          | 0.127                  | /         |
| Ant.9                                                                          | DH5  | High Power      | Front Side | 0          | 78  | 2480        | 0.11             | 0.293                | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.433                  | /         |
| Ant.9                                                                          | DH5  | High Power      | Back Side  | 0          | 78  | 2480        | -0.08            | 0.396                | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.586                  | /         |
| Ant.9                                                                          | DH5  | High Power      | Right Edge | 0          | 78  | 2480        | -0.07            | 0.314                | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.464                  | /         |
| Ant.9                                                                          | DH5  | High Power      | Top Edge   | 0          | 78  | 2480        | 0.09             | 0.095                | 16.30             | 18.00                 | 1.479          | 76.67          | 1.304          | 0.141                  | /         |
| Ant.9                                                                          | DH5  | Low Power1      | Front Side | 0          | 0   | 2402        | -0.09            | 0.115                | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.175                  | /         |
| Ant.9                                                                          | DH5  | Low Power1      | Back Side  | 0          | 0   | 2402        | 0.15             | 0.159                | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.242                  | /         |
| Ant.9                                                                          | DH5  | Low Power1      | Right Edge | 0          | 0   | 2402        | -0.10            | 0.121                | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.184                  | /         |
| Ant.9                                                                          | DH5  | Low Power1      | Top Edge   | 0          | 0   | 2402        | 0.15             | 0.036                | 12.18             | 14.00                 | 1.521          | 76.67          | 1.304          | 0.055                  | /         |
| Ant.9                                                                          | DH5  | Low Power2      | Front Side | 0          | 0   | 2402        | 0.00             | 0.045                | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.070                  | /         |
| Ant.9                                                                          | DH5  | Low Power2      | Back Side  | 0          | 0   | 2402        | -0.07            | 0.061                | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.095                  | /         |
| Ant.9                                                                          | DH5  | Low Power2      | Right Edge | 0          | 0   | 2402        | 0.13             | 0.047                | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.073                  | /         |
| Ant.9                                                                          | DH5  | Low Power2      | Top Edge   | 0          | 0   | 2402        | 0.05             | 0.014                | 8.09              | 10.00                 | 1.552          | 76.67          | 1.304          | 0.022                  | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |                 |            |            |     |             |                  |                      |                   |                       |                |                |                |                        |           |

### 11.36 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is  $\leq 100\text{MHz}$ , refer to P6s.

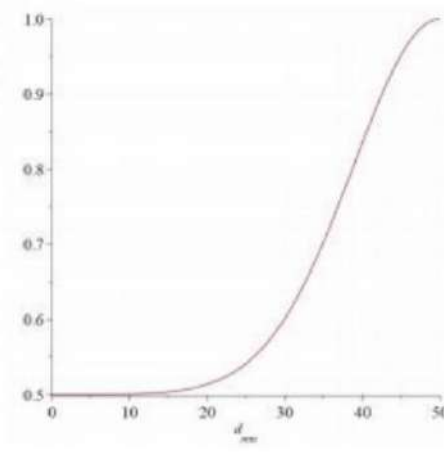
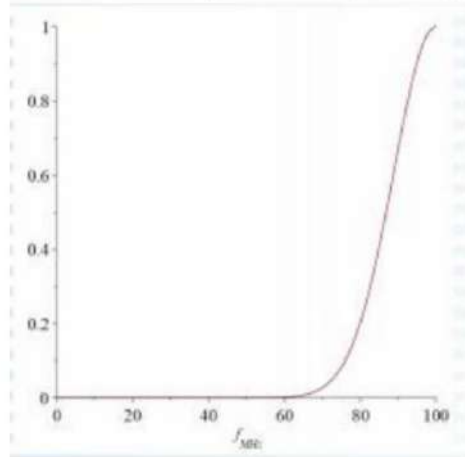
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

2. For portable products, when using a distance of  $\leq 50\text{mm}$ , such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) \cdot P_{431b1}(50., 100.) \cdot \left(1 + \log_{10}\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \leq 50 \text{ and } f_{MHz} \leq 100$$

3. The smoothing functions Sf and Sd in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := \exp\left(-10 \frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \quad S_d(d_{mm}) := 0.5 + 0.5 \cdot \exp\left(-10 \frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$



| d≤50mm                                                                                         |             |  |                      |            |
|------------------------------------------------------------------------------------------------|-------------|--|----------------------|------------|
| f Max(MHz)                                                                                     | 100         |  | d Max(mm)            | 50         |
| f MHz                                                                                          | 13.56       |  | d(mm)                | 5          |
| △f(MHz)                                                                                        | 100         |  | △d                   | 50         |
| S <sub>f</sub> (f <sub>MHz</sub> )                                                             | 0.000568861 |  | S <sub>d</sub> (dmm) | 0.50015177 |
| P6s(mW)                                                                                        | 443.1257378 |  |                      |            |
| Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW. |             |  |                      |            |

## 4. According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the ERP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies  $\leq 30$  MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $> 1000$  MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the ERP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant ERP level to an equivalent electric field strength using the following relationship:  $E = ERP - 20\log D + 104.8$

where:

E = electric field strength in dB $\mu$ V/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

| Mode           | f (MHz) | Max. E-Field strength (dB $\mu$ V/m) | D (m) | Ground reflection factor (dB) | ERP (dBm) |
|----------------|---------|--------------------------------------|-------|-------------------------------|-----------|
| NFC (13.56MHz) | 13.56   | 57.32                                | 10    | 6                             | -21.48    |

Note:

1. Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies  $\leq 30$  MHz).

2. ERP =  $56.88 + 20 \cdot \log(10) - 104.8 + 6 = -21.48$  (dBm)

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =  $1.6 \cdot P_{ant} / P_{th}$  [W/kg]

| Estimated SAR               | $1.6 \cdot P_{ant} / P_{th}$ [W/kg] |                         |         |
|-----------------------------|-------------------------------------|-------------------------|---------|
| P <sub>meas.</sub> (dBm)    | -21.48                              | P <sub>meas.</sub> (mW) | 0.00711 |
| P <sub>th.</sub> (mW)       | 443.13                              |                         |         |
| NFC Estimated 1g SAR [W/kg] | <0.001                              |                         |         |

### 11.37 Worst Case of WCDMA Band 2 SAR

| Antenna                                                                        | Power Reduction | Mode | Position | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 10 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|----------|------------|------|-------------|------------------|----------------------|-------------------|-----------------------|----------------|------------------------|-----------|
| Specific-Worce Case for Bracket                                                |                 |      |          |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | RMC  | Top Edge | 0          | 9262 | 1852.4      | -0.07            | 1.880                | 20.30             | 21.50                 | 1.318          | <b>2.478</b>           | 128#      |
| Specific-Worce Case for Secondary supply                                       |                 |      |          |            |      |             |                  |                      |                   |                       |                |                        |           |
| Ant.2                                                                          | DSI3            | RMC  | Top Edge | 0          | 9262 | 1852.4      | -0.03            | 1.820                | 20.30             | 21.50                 | 1.318          | <b>2.399</b>           | 129#      |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |          |            |      |             |                  |                      |                   |                       |                |                        |           |

### 11.38 Worst Case of WCDMA Band 5 SAR

| Antenna                                                                        | Power Reduction | Mode | Position  | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-----------|------------|------|-------------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Hotspot-Worce Case for Bracket                                                 |                 |      |           |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI5            | RMC  | Left Edge | 10         | 4132 | 826.4       | -0.13            | 0.613               | 22.68             | 24.50                 | 1.521          | <b>0.932</b>          | 130#      |
| Hotspot-Worce Case for Secondary supply                                        |                 |      |           |            |      |             |                  |                     |                   |                       |                |                       |           |
| Ant.1                                                                          | DSI5            | RMC  | Left Edge | 10         | 4132 | 826.4       | -0.08            | 0.551               | 22.68             | 24.50                 | 1.521          | <b>0.838</b>          | 131#      |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |           |            |      |             |                  |                     |                   |                       |                |                       |           |

### 11.39 Worst Case of LTE Band 4 (20MHz Bandwidth)

| Antenna                                                                        | Power Reduction | Mode | Position  | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-----------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Body-worn-Worce Case for Bracket                                               |                 |      |           |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | QPSK | Back Side | 15         | 20175 | 1732.5      | 1       | Low      | 0.07             | 0.731               | 24.26             | 25.50                 | 1.330          | <b>0.972</b>          | 132#      |
| Body-worn-Worce Case for Secondary supply                                      |                 |      |           |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI2            | QPSK | Back Side | 15         | 20175 | 1732.5      | 1       | Low      | -0.08            | 0.644               | 24.26             | 25.50                 | 1.330          | <b>0.857</b>          | 133#      |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |           |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |

### 11.40 Worst Case of LTE Band 7 (20MHz Bandwidth)

| Antenna                                                                        | Power Reduction | Mode | Position    | Dist. (mm) | Ch.   | Freq. (MHz) | RB Num. | RB Start | Power Drift (dB) | 1 g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-power (dBm) | Scaling Factor | 1 g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|-----------------|------|-------------|------------|-------|-------------|---------|----------|------------------|---------------------|-------------------|-----------------------|----------------|-----------------------|-----------|
| Head-Worce Case for Bracket                                                    |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | QPSK | Right Cheek | 0          | 20850 | 2510        | 1       | Low      | -0.01            | 0.587               | 15.56             | 17.00                 | 1.393          | <b>0.818</b>          | 134#      |
| Head-Worce Case for Secondary supply                                           |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |
| Ant.2                                                                          | DSI1            | QPSK | Right Cheek | 0          | 20850 | 2510        | 1       | Low      | -0.03            | 0.612               | 15.56             | 17.00                 | 1.393          | <b>0.853</b>          | 135#      |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |      |             |            |       |             |         |          |                  |                     |                   |                       |                |                       |           |

## 12 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are  $\leq 1.45$  W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is  $\leq 1.10$ , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is  $< 0.80$  W/kg, repeated measurement is not required.
2. When the highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$ , or when the original or repeated measurement is  $\geq 1.45$  W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ , and the original, first or second repeated measurement is  $\geq 1.5$  W/kg, perform a third repeated measurement.

| Frequency Band (MHz) | Wireless Band | RF Exposure Conditions | Test Position | Highest Measured SAR (W/kg) | Repeated SAR (Yes/No) | Repeated <sup>1st</sup> Measured SAR (W/kg) | Largest to Smallest SAR Ratio |
|----------------------|---------------|------------------------|---------------|-----------------------------|-----------------------|---------------------------------------------|-------------------------------|
| 1732.5               | LTE Band4     | Body-worn              | Back Side     | 0.812                       | Yes                   | 0.795                                       | 1.02                          |
| 1745                 | NR n66        | Head                   | Right Cheek   | 0.882                       | Yes                   | 0.879                                       | 1.00                          |
| 2590                 | NR n38        | Specific               | Top Edge      | 2.180                       | Yes                   | 2.140                                       | 1.02                          |
| 2437                 | WIFI 2.4GHz   | Head                   | Left Cheek    | 0.823                       | Yes                   | 0.796                                       | 1.03                          |
| 5270                 | WIFI 5.3GHz   | Head                   | Left Tilt     | 0.828                       | Yes                   | 0.823                                       | 1.01                          |
| 5775                 | WIFI 5.8GHz   | Head                   | Left Tilt     | 0.864                       | Yes                   | 0.851                                       | 1.02                          |

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is  $< 1.20$ , the second repeated measurement. is not required.

## 13 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

### 13.1 Simultaneous Transmission Mode Consider

| No. | Simultaneous Tx Combination | Head | Body-worn | Hotspot | Specific |
|-----|-----------------------------|------|-----------|---------|----------|
| 1   | 5/6G WIFI SISO1 + BT1       | Yes  | Yes       | Yes     | Yes      |
| 2   | 5/6G WIFI SISO2 + BT1       | Yes  | Yes       | Yes     | Yes      |
| 3   | 5/6G WIFI MIMO + BT1        | Yes  | Yes       | Yes     | Yes      |
| 4   | 5/6G WIFI SISO1 + BT2       | Yes  | Yes       | Yes     | Yes      |
| 5   | 5/6G WIFI SISO2 + BT2       | Yes  | Yes       | Yes     | Yes      |
| 6   | 5/6G WIFI MIMO + BT2        | Yes  | Yes       | Yes     | Yes      |
| 7   | WWAN + BT1                  | Yes  | Yes       | Yes     | Yes      |
| 8   | WWAN + BT2                  | Yes  | Yes       | Yes     | Yes      |
| 9   | WWAN + 2.4G WIFI SISO1      | Yes  | Yes       | Yes     | Yes      |
| 10  | WWAN + 2.4G WIFI SISO2      | Yes  | Yes       | Yes     | Yes      |
| 11  | WWAN + 2.4G WIFI MIMO       | Yes  | Yes       | Yes     | Yes      |
| 12  | WWAN + 5/6G WIFI SISO1      | Yes  | Yes       | Yes     | Yes      |
| 13  | WWAN + 5/6G WIFI SISO2      | Yes  | Yes       | Yes     | Yes      |
| 14  | WWAN + 5/6G WIFI MIMO       | Yes  | Yes       | Yes     | Yes      |
| 15  | WWAN + 5/6G WIFI SISO1+ BT1 | Yes  | Yes       | Yes     | Yes      |
| 16  | WWAN + 5/6G WIFI SISO2+ BT1 | Yes  | Yes       | Yes     | Yes      |
| 17  | WWAN + 5/6G WIFI MIMO+ BT1  | Yes  | Yes       | Yes     | Yes      |
| 18  | WWAN + 5/6G WIFI SISO1+ BT2 | Yes  | Yes       | Yes     | Yes      |
| 19  | WWAN + 5/6G WIFI SISO2+ BT2 | Yes  | Yes       | Yes     | Yes      |
| 20  | WWAN + 5/6G WIFI MIMO+ BT2  | Yes  | Yes       | Yes     | Yes      |

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE/SA(5G NR)/EN-DC(LTE + 5G NR)).
2. WiFi 2.4G and Bluetooth can't transmit simultaneously.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report."

13.2Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WLAN with BT

| Position                                                                                                      | Stand alone SAR |             |                | SUM SAR      |       |
|---------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------------|--------------|-------|
|                                                                                                               | 1               | 2           | 3              |              |       |
|                                                                                                               | 5GWIFI Max.     | 6GWIFI Max. | Bluetooth Max. | 1+3          | 2+3   |
|                                                                                                               | Level1          | Level1      |                |              |       |
| Left Cheek                                                                                                    | 0.760           | 0.158       | 0.323          | 1.083        | 0.481 |
| Left Tilt                                                                                                     | 1.056           | 0.216       | 0.192          | <b>1.248</b> | 0.408 |
| Right Cheek                                                                                                   | 0.501           | 0.094       | 0.119          | 0.620        | 0.213 |
| Right Tilt                                                                                                    | 0.602           | 0.111       | 0.092          | 0.694        | 0.203 |
| Note:                                                                                                         |                 |             |                |              |       |
| 1: The highest Summed 1g SAR is 1.248 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required. |                 |             |                |              |       |

13.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WLAN with BT

| Position                                                                                                      | Stand alone SAR |             |                | SUM SAR      |       |
|---------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------------|--------------|-------|
|                                                                                                               | 1               | 2           | 3              |              |       |
|                                                                                                               | 5GWIFI Max.     | 6GWIFI Max. | Bluetooth Max. | 1+3          | 2+3   |
|                                                                                                               | Level3          | Level3      |                |              |       |
| Front Side 15mm                                                                                               | 0.148           | 0.022       | 0.016          | 0.164        | 0.038 |
| Back Side 15mm                                                                                                | 0.259           | 0.036       | 0.092          | <b>0.351</b> | 0.128 |
| Note:                                                                                                         |                 |             |                |              |       |
| 1: The highest Summed 1g SAR is 0.351 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required. |                 |             |                |              |       |

13.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WLAN with BT

| Position                                                                                                      | Stand alone SAR |                | SUM SAR      |
|---------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------|
|                                                                                                               | 1               | 2              |              |
|                                                                                                               | 5GWIFI Max.     | Bluetooth Max. | 1+2          |
|                                                                                                               | Level3          |                |              |
| Front Side 10mm                                                                                               | 0.200           | 0.055          | 0.255        |
| Back Side 10mm                                                                                                | 0.442           | 0.085          | 0.527        |
| Left Edge 10mm                                                                                                | 0.000           | 0.000          | 0.000        |
| Right Edge 10mm                                                                                               | 0.277           | 0.141          | 0.418        |
| Top Edge 10mm                                                                                                 | 0.698           | 0.047          | <b>0.745</b> |
| Bottom Edge 10mm                                                                                              | 0.000           | 0.000          | 0.000        |
| Note:                                                                                                         |                 |                |              |
| 1: The highest Summed 1g SAR is 0.745 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required. |                 |                |              |

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WLAN with BT

| Position                                                                                                       | Stand alone SAR |             |                | SUM SAR      |       |
|----------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------------|--------------|-------|
|                                                                                                                | 1               | 2           | 3              |              |       |
|                                                                                                                | 5GWIFI Max.     | 6GWIFI Max. | Bluetooth Max. | 1+3          | 2+3   |
|                                                                                                                | Level2          | Level2      |                |              |       |
| Front Side 0mm                                                                                                 | 0.811           | 0.145       | 0.175          | 0.986        | 0.320 |
| Back Side 0mm                                                                                                  | 0.819           | 0.198       | 0.242          | 1.061        | 0.440 |
| Left Edge 0mm                                                                                                  | 0.000           | 0.000       | 0.000          | 0.000        | 0.000 |
| Right Edge 0mm                                                                                                 | 1.469           | 0.222       | 0.184          | 1.653        | 0.406 |
| Top Edge 0mm                                                                                                   | 2.033           | 0.294       | 0.341          | <b>2.374</b> | 0.635 |
| Bottom Edge 0mm                                                                                                | 0.000           | 0.000       | 0.000          | 0.000        | 0.000 |
| Note:                                                                                                          |                 |             |                |              |       |
| 1: The highest Summed 10g SAR is 2.374 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required. |                 |             |                |              |       |

## 13.2.5 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

| Band        | Antenna | Position    | Stand alone SAR |                  |                |                |                |                | SUM SAR |       |       |       |
|-------------|---------|-------------|-----------------|------------------|----------------|----------------|----------------|----------------|---------|-------|-------|-------|
|             |         |             | 1               | 2                | 3              | 4              | 5              | 6              | 1+2     | 1+5   | 1+3+6 | 1+4+6 |
|             |         |             | WWAN            | 2.4GWIFI<br>Max. | 5GWIFI<br>Max. | 6GWIFI<br>Max. | Bluetooth Max. | Bluetooth Max. |         |       |       |       |
|             |         |             | DSI1            | Level2           | Level2         | Level2         | LowPower1      | LowPower2      |         |       |       |       |
| GSM850      | Ant.1   | Left Cheek  | 0.941           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 1.339   | 1.264 | 1.369 | 1.237 |
|             |         | Left Tilt   | 0.098           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.374   | 0.290 | 0.635 | 0.389 |
|             |         | Right Cheek | 0.490           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.637   | 0.609 | 0.713 | 0.635 |
|             |         | Right Tilt  | 0.085           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.237   | 0.177 | 0.327 | 0.232 |
| GSM850      | Ant.0   | Left Cheek  | 0.243           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.641   | 0.566 | 0.671 | 0.539 |
|             |         | Left Tilt   | 0.113           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.389   | 0.305 | 0.650 | 0.404 |
|             |         | Right Cheek | 0.170           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.317   | 0.289 | 0.393 | 0.315 |
|             |         | Right Tilt  | 0.089           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.241   | 0.181 | 0.331 | 0.236 |
| GSM1900     | Ant.2   | Left Cheek  | 0.531           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.929   | 0.854 | 0.959 | 0.827 |
|             |         | Left Tilt   | 0.546           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.822   | 0.738 | 1.083 | 0.837 |
|             |         | Right Cheek | 0.896           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 1.043   | 1.015 | 1.119 | 1.041 |
|             |         | Right Tilt  | 0.776           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.928   | 0.868 | 1.018 | 0.923 |
| GSM1900     | Ant.3   | Left Cheek  | 0.059           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.457   | 0.382 | 0.487 | 0.355 |
|             |         | Left Tilt   | 0.050           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.326   | 0.242 | 0.587 | 0.341 |
|             |         | Right Cheek | 0.046           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.193   | 0.165 | 0.269 | 0.191 |
|             |         | Right Tilt  | 0.037           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.189   | 0.129 | 0.279 | 0.184 |
| WCDMA<br>B2 | Ant.2   | Left Cheek  | 0.490           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.888   | 0.813 | 0.918 | 0.786 |
|             |         | Left Tilt   | 0.542           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.818   | 0.734 | 1.079 | 0.833 |
|             |         | Right Cheek | 0.922           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 1.069   | 1.041 | 1.145 | 1.067 |
|             |         | Right Tilt  | 0.707           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.859   | 0.799 | 0.949 | 0.854 |
| WCDMA<br>B2 | Ant.3   | Left Cheek  | 0.076           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.474   | 0.399 | 0.504 | 0.372 |
|             |         | Left Tilt   | 0.061           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.337   | 0.253 | 0.598 | 0.352 |
|             |         | Right Cheek | 0.065           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.212   | 0.184 | 0.288 | 0.210 |
|             |         | Right Tilt  | 0.051           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.203   | 0.143 | 0.293 | 0.198 |
| WCDMA<br>B4 | Ant.2   | Left Cheek  | 0.496           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.894   | 0.819 | 0.924 | 0.792 |
|             |         | Left Tilt   | 0.569           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.845   | 0.761 | 1.106 | 0.860 |
|             |         | Right Cheek | 0.870           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 1.017   | 0.989 | 1.093 | 1.015 |
|             |         | Right Tilt  | 0.679           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.831   | 0.771 | 0.921 | 0.826 |
| WCDMA<br>B4 | Ant.3   | Left Cheek  | 0.030           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.428   | 0.353 | 0.458 | 0.326 |
|             |         | Left Tilt   | 0.106           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.382   | 0.298 | 0.643 | 0.397 |
|             |         | Right Cheek | 0.239           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.386   | 0.358 | 0.462 | 0.384 |
|             |         | Right Tilt  | 0.084           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.236   | 0.176 | 0.326 | 0.231 |
| WCDMA<br>B4 | Ant.4   | Left Cheek  | 0.180           | 0.398            | 0.290          | 0.158          | 0.323          | 0.138          | 0.578   | 0.503 | 0.608 | 0.476 |
|             |         | Left Tilt   | 0.078           | 0.276            | 0.462          | 0.216          | 0.192          | 0.075          | 0.354   | 0.270 | 0.615 | 0.369 |
|             |         | Right Cheek | 0.678           | 0.147            | 0.172          | 0.094          | 0.119          | 0.051          | 0.825   | 0.797 | 0.901 | 0.823 |
|             |         | Right Tilt  | 0.207           | 0.152            | 0.206          | 0.111          | 0.092          | 0.036          | 0.359   | 0.299 | 0.449 | 0.354 |

|             |       |             |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| WCDMA<br>B4 | Ant.5 | Left Cheek  | 0.361 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.759 | 0.684 | 0.789 | 0.657 |
|             |       | Left Tilt   | 0.082 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.358 | 0.274 | 0.619 | 0.373 |
|             |       | Right Cheek | 0.180 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.327 | 0.299 | 0.403 | 0.325 |
|             |       | Right Tilt  | 0.036 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.188 | 0.128 | 0.278 | 0.183 |
| WCDMA<br>B5 | Ant.1 | Left Cheek  | 0.945 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.343 | 1.268 | 1.373 | 1.241 |
|             |       | Left Tilt   | 0.105 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.381 | 0.297 | 0.642 | 0.396 |
|             |       | Right Cheek | 0.526 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.673 | 0.645 | 0.749 | 0.671 |
|             |       | Right Tilt  | 0.091 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.243 | 0.183 | 0.333 | 0.238 |
| WCDMA<br>B5 | Ant.0 | Left Cheek  | 0.158 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.556 | 0.481 | 0.586 | 0.454 |
|             |       | Left Tilt   | 0.086 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.362 | 0.278 | 0.623 | 0.377 |
|             |       | Right Cheek | 0.122 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.269 | 0.241 | 0.345 | 0.267 |
|             |       | Right Tilt  | 0.067 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.219 | 0.159 | 0.309 | 0.214 |
| LTE B2      | Ant.2 | Left Cheek  | 0.599 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.997 | 0.922 | 1.027 | 0.895 |
|             |       | Left Tilt   | 0.735 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 1.011 | 0.927 | 1.272 | 1.026 |
|             |       | Right Cheek | 1.005 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.152 | 1.124 | 1.228 | 1.150 |
|             |       | Right Tilt  | 0.798 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.950 | 0.890 | 1.040 | 0.945 |
| LTE B2      | Ant.3 | Left Cheek  | 0.076 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.474 | 0.399 | 0.504 | 0.372 |
|             |       | Left Tilt   | 0.037 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.313 | 0.229 | 0.574 | 0.328 |
|             |       | Right Cheek | 0.057 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.204 | 0.176 | 0.280 | 0.202 |
|             |       | Right Tilt  | 0.028 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.180 | 0.120 | 0.270 | 0.175 |
| LTE B2      | Ant.4 | Left Cheek  | 0.171 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.569 | 0.494 | 0.599 | 0.467 |
|             |       | Left Tilt   | 0.073 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.349 | 0.265 | 0.610 | 0.364 |
|             |       | Right Cheek | 0.661 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.808 | 0.780 | 0.884 | 0.806 |
|             |       | Right Tilt  | 0.172 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.324 | 0.264 | 0.414 | 0.319 |
| LTE B2      | Ant.5 | Left Cheek  | 0.260 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.658 | 0.583 | 0.688 | 0.556 |
|             |       | Left Tilt   | 0.061 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.337 | 0.253 | 0.598 | 0.352 |
|             |       | Right Cheek | 0.132 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.279 | 0.251 | 0.355 | 0.277 |
|             |       | Right Tilt  | 0.029 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.181 | 0.121 | 0.271 | 0.176 |
| LTE B4      | Ant.2 | Left Cheek  | 0.552 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.950 | 0.875 | 0.980 | 0.848 |
|             |       | Left Tilt   | 0.635 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.911 | 0.827 | 1.172 | 0.926 |
|             |       | Right Cheek | 0.943 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.090 | 1.062 | 1.166 | 1.088 |
|             |       | Right Tilt  | 0.765 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.917 | 0.857 | 1.007 | 0.912 |
| LTE B4      | Ant.3 | Left Cheek  | 0.333 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.731 | 0.656 | 0.761 | 0.629 |
|             |       | Left Tilt   | 0.083 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.359 | 0.275 | 0.620 | 0.374 |
|             |       | Right Cheek | 0.264 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.411 | 0.383 | 0.487 | 0.409 |
|             |       | Right Tilt  | 0.066 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.218 | 0.158 | 0.308 | 0.213 |
| LTE B4      | Ant.4 | Left Cheek  | 0.246 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.644 | 0.569 | 0.674 | 0.542 |
|             |       | Left Tilt   | 0.116 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.392 | 0.308 | 0.653 | 0.407 |
|             |       | Right Cheek | 0.946 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.093 | 1.065 | 1.169 | 1.091 |
|             |       | Right Tilt  | 0.283 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.435 | 0.375 | 0.525 | 0.430 |
| LTE B4      | Ant.5 | Left Cheek  | 0.431 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.829 | 0.754 | 0.859 | 0.727 |
|             |       | Left Tilt   | 0.100 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.376 | 0.292 | 0.637 | 0.391 |
|             |       | Right Cheek | 0.216 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.363 | 0.335 | 0.439 | 0.361 |

|         |       |             |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Right Tilt  | 0.043 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.195 | 0.135 | 0.285 | 0.190 |
| LTE B5  | Ant.1 | Left Cheek  | 0.888 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.286 | 1.211 | 1.316 | 1.184 |
|         |       | Left Tilt   | 0.085 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.361 | 0.277 | 0.622 | 0.376 |
|         |       | Right Cheek | 0.454 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.601 | 0.573 | 0.677 | 0.599 |
|         |       | Right Tilt  | 0.076 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.228 | 0.168 | 0.318 | 0.223 |
| LTE B5  | Ant.0 | Left Cheek  | 0.276 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.674 | 0.599 | 0.704 | 0.572 |
|         |       | Left Tilt   | 0.162 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.438 | 0.354 | 0.699 | 0.453 |
|         |       | Right Cheek | 0.212 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.359 | 0.331 | 0.435 | 0.357 |
|         |       | Right Tilt  | 0.128 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.280 | 0.220 | 0.370 | 0.275 |
| LTE B7  | Ant.2 | Left Cheek  | 0.477 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.875 | 0.800 | 0.905 | 0.773 |
|         |       | Left Tilt   | 0.455 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.731 | 0.647 | 0.992 | 0.746 |
|         |       | Right Cheek | 1.077 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.224 | 1.196 | 1.300 | 1.222 |
|         |       | Right Tilt  | 0.794 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.946 | 0.886 | 1.036 | 0.941 |
| LTE B7  | Ant.3 | Left Cheek  | 0.248 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.646 | 0.571 | 0.676 | 0.544 |
|         |       | Left Tilt   | 0.148 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.424 | 0.340 | 0.685 | 0.439 |
|         |       | Right Cheek | 0.211 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.358 | 0.330 | 0.434 | 0.356 |
|         |       | Right Tilt  | 0.123 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.275 | 0.215 | 0.365 | 0.270 |
| LTE B7  | Ant.4 | Left Cheek  | 0.250 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.648 | 0.573 | 0.678 | 0.546 |
|         |       | Left Tilt   | 0.175 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.451 | 0.367 | 0.712 | 0.466 |
|         |       | Right Cheek | 0.798 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.945 | 0.917 | 1.021 | 0.943 |
|         |       | Right Tilt  | 0.369 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.521 | 0.461 | 0.611 | 0.516 |
| LTE B7  | Ant.5 | Left Cheek  | 0.795 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.193 | 1.118 | 1.223 | 1.091 |
|         |       | Left Tilt   | 0.310 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.586 | 0.502 | 0.847 | 0.601 |
|         |       | Right Cheek | 0.669 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.816 | 0.788 | 0.892 | 0.814 |
|         |       | Right Tilt  | 0.151 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.303 | 0.243 | 0.393 | 0.298 |
| LTE B12 | Ant.1 | Left Cheek  | 1.046 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.444 | 1.369 | 1.474 | 1.342 |
|         |       | Left Tilt   | 0.107 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.383 | 0.299 | 0.644 | 0.398 |
|         |       | Right Cheek | 0.594 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.741 | 0.713 | 0.817 | 0.739 |
|         |       | Right Tilt  | 0.103 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.255 | 0.195 | 0.345 | 0.250 |
| LTE B12 | Ant.0 | Left Cheek  | 0.182 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.580 | 0.505 | 0.610 | 0.478 |
|         |       | Left Tilt   | 0.100 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.376 | 0.292 | 0.637 | 0.391 |
|         |       | Right Cheek | 0.140 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.287 | 0.259 | 0.363 | 0.285 |
|         |       | Right Tilt  | 0.079 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.231 | 0.171 | 0.321 | 0.226 |
| LTE B13 | Ant.1 | Left Cheek  | 1.066 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.464 | 1.389 | 1.494 | 1.362 |
|         |       | Left Tilt   | 0.140 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.416 | 0.332 | 0.677 | 0.431 |
|         |       | Right Cheek | 0.617 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.764 | 0.736 | 0.840 | 0.762 |
|         |       | Right Tilt  | 0.107 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.259 | 0.199 | 0.349 | 0.254 |
| LTE B13 | Ant.0 | Left Cheek  | 0.240 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.638 | 0.563 | 0.668 | 0.536 |
|         |       | Left Tilt   | 0.163 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.439 | 0.355 | 0.700 | 0.454 |
|         |       | Right Cheek | 0.185 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.332 | 0.304 | 0.408 | 0.330 |
|         |       | Right Tilt  | 0.128 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.280 | 0.220 | 0.370 | 0.275 |
| LTE B17 | Ant.1 | Left Cheek  | 1.055 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.453 | 1.378 | 1.483 | 1.351 |
|         |       | Left Tilt   | 0.116 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.392 | 0.308 | 0.653 | 0.407 |

|         |       |             |       |       |       |       |       |       |       |       |              |       |
|---------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|
|         |       | Right Cheek | 0.613 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.760 | 0.732 | 0.836        | 0.758 |
|         |       | Right Tilt  | 0.106 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.258 | 0.198 | 0.348        | 0.253 |
| LTE B17 | Ant.0 | Left Cheek  | 0.175 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.573 | 0.498 | 0.603        | 0.471 |
|         |       | Left Tilt   | 0.103 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.379 | 0.295 | 0.640        | 0.394 |
|         |       | Right Cheek | 0.135 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.282 | 0.254 | 0.358        | 0.280 |
|         |       | Right Tilt  | 0.080 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.232 | 0.172 | 0.322        | 0.227 |
|         |       |             |       |       |       |       |       |       |       |       |              |       |
| LTE B26 | Ant.1 | Left Cheek  | 1.075 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.473 | 1.398 | <b>1.503</b> | 1.371 |
|         |       | Left Tilt   | 0.125 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.401 | 0.317 | 0.662        | 0.416 |
|         |       | Right Cheek | 0.603 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.750 | 0.722 | 0.826        | 0.748 |
|         |       | Right Tilt  | 0.105 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.257 | 0.197 | 0.347        | 0.252 |
| LTE B26 | Ant.0 | Left Cheek  | 0.259 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.657 | 0.582 | 0.687        | 0.555 |
|         |       | Left Tilt   | 0.154 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.430 | 0.346 | 0.691        | 0.445 |
|         |       | Right Cheek | 0.199 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.346 | 0.318 | 0.422        | 0.344 |
|         |       | Right Tilt  | 0.122 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.274 | 0.214 | 0.364        | 0.269 |
| LTE B66 | Ant.2 | Left Cheek  | 0.518 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.916 | 0.841 | 0.946        | 0.814 |
|         |       | Left Tilt   | 0.581 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.857 | 0.773 | 1.118        | 0.872 |
|         |       | Right Cheek | 0.872 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.019 | 0.991 | 1.095        | 1.017 |
|         |       | Right Tilt  | 0.719 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.871 | 0.811 | 0.961        | 0.866 |
| LTE B66 | Ant.3 | Left Cheek  | 0.329 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.727 | 0.652 | 0.757        | 0.625 |
|         |       | Left Tilt   | 0.111 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.387 | 0.303 | 0.648        | 0.402 |
|         |       | Right Cheek | 0.260 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.407 | 0.379 | 0.483        | 0.405 |
|         |       | Right Tilt  | 0.088 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.240 | 0.180 | 0.330        | 0.235 |
| LTE B66 | Ant.4 | Left Cheek  | 0.304 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.702 | 0.627 | 0.732        | 0.600 |
|         |       | Left Tilt   | 0.140 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.416 | 0.332 | 0.677        | 0.431 |
|         |       | Right Cheek | 0.999 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.146 | 1.118 | 1.222        | 1.144 |
|         |       | Right Tilt  | 0.347 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.499 | 0.439 | 0.589        | 0.494 |
| LTE B66 | Ant.5 | Left Cheek  | 0.440 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.838 | 0.763 | 0.868        | 0.736 |
|         |       | Left Tilt   | 0.103 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.379 | 0.295 | 0.640        | 0.394 |
|         |       | Right Cheek | 0.221 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.368 | 0.340 | 0.444        | 0.366 |
|         |       | Right Tilt  | 0.045 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.197 | 0.137 | 0.287        | 0.192 |
| LTE B38 | Ant.2 | Left Cheek  | 0.471 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.869 | 0.794 | 0.899        | 0.767 |
|         |       | Left Tilt   | 0.451 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.727 | 0.643 | 0.988        | 0.742 |
|         |       | Right Cheek | 0.960 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.107 | 1.079 | 1.183        | 1.105 |
|         |       | Right Tilt  | 0.822 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.974 | 0.914 | 1.064        | 0.969 |
| LTE B38 | Ant.3 | Left Cheek  | 0.110 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.508 | 0.433 | 0.538        | 0.406 |
|         |       | Left Tilt   | 0.052 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.328 | 0.244 | 0.589        | 0.343 |
|         |       | Right Cheek | 0.101 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.248 | 0.220 | 0.324        | 0.246 |
|         |       | Right Tilt  | 0.049 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.201 | 0.141 | 0.291        | 0.196 |
| LTE B38 | Ant.4 | Left Cheek  | 0.169 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.567 | 0.492 | 0.597        | 0.465 |
|         |       | Left Tilt   | 0.095 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.371 | 0.287 | 0.632        | 0.386 |
|         |       | Right Cheek | 0.572 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.719 | 0.691 | 0.795        | 0.717 |
|         |       | Right Tilt  | 0.178 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.330 | 0.270 | 0.420        | 0.325 |
| LTE B38 | Ant.5 | Left Cheek  | 0.499 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.897 | 0.822 | 0.927        | 0.795 |

|         |       |             |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Left Tilt   | 0.172 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.448 | 0.364 | 0.709 | 0.463 |
|         |       | Right Cheek | 0.419 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.566 | 0.538 | 0.642 | 0.564 |
|         |       | Right Tilt  | 0.093 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.245 | 0.185 | 0.335 | 0.240 |
| LTE B41 | Ant.2 | Left Cheek  | 0.300 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.698 | 0.623 | 0.728 | 0.596 |
|         |       | Left Tilt   | 0.511 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.787 | 0.703 | 1.048 | 0.802 |
|         |       | Right Cheek | 0.972 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.119 | 1.091 | 1.195 | 1.117 |
|         |       | Right Tilt  | 0.687 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.839 | 0.779 | 0.929 | 0.834 |
| LTE B41 | Ant.3 | Left Cheek  | 0.090 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.488 | 0.413 | 0.518 | 0.386 |
|         |       | Left Tilt   | 0.072 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.348 | 0.264 | 0.609 | 0.363 |
|         |       | Right Cheek | 0.079 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.226 | 0.198 | 0.302 | 0.224 |
|         |       | Right Tilt  | 0.053 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.205 | 0.145 | 0.295 | 0.200 |
| LTE B41 | Ant.4 | Left Cheek  | 0.182 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.580 | 0.505 | 0.610 | 0.478 |
|         |       | Left Tilt   | 0.116 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.392 | 0.308 | 0.653 | 0.407 |
|         |       | Right Cheek | 0.577 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.724 | 0.696 | 0.800 | 0.722 |
|         |       | Right Tilt  | 0.182 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.334 | 0.274 | 0.424 | 0.329 |
| LTE B41 | Ant.5 | Left Cheek  | 0.382 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.780 | 0.705 | 0.810 | 0.678 |
|         |       | Left Tilt   | 0.131 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.407 | 0.323 | 0.668 | 0.422 |
|         |       | Right Cheek | 0.556 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.703 | 0.675 | 0.779 | 0.701 |
|         |       | Right Tilt  | 0.084 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.236 | 0.176 | 0.326 | 0.231 |
| LTE B42 | Ant.6 | Left Cheek  | 0.197 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.595 | 0.520 | 0.625 | 0.493 |
|         |       | Left Tilt   | 0.234 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.510 | 0.426 | 0.771 | 0.525 |
|         |       | Right Cheek | 0.555 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.702 | 0.674 | 0.778 | 0.700 |
|         |       | Right Tilt  | 0.533 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.685 | 0.625 | 0.775 | 0.680 |
| LTE B42 | Ant.7 | Left Cheek  | 0.534 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.932 | 0.857 | 0.962 | 0.830 |
|         |       | Left Tilt   | 0.552 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.828 | 0.744 | 1.089 | 0.843 |
|         |       | Right Cheek | 0.353 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.500 | 0.472 | 0.576 | 0.498 |
|         |       | Right Tilt  | 0.445 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.597 | 0.537 | 0.687 | 0.592 |
| LTE B42 | Ant.8 | Left Cheek  | 0.355 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.753 | 0.678 | 0.783 | 0.651 |
|         |       | Left Tilt   | 0.201 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.477 | 0.393 | 0.738 | 0.492 |
|         |       | Right Cheek | 0.744 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.891 | 0.863 | 0.967 | 0.889 |
|         |       | Right Tilt  | 0.406 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.558 | 0.498 | 0.648 | 0.553 |
| LTE B42 | Ant.9 | Left Cheek  | 0.665 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.063 | 0.988 | 1.093 | 0.961 |
|         |       | Left Tilt   | 0.348 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.624 | 0.540 | 0.885 | 0.639 |
|         |       | Right Cheek | 0.210 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.357 | 0.329 | 0.433 | 0.355 |
|         |       | Right Tilt  | 0.145 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.297 | 0.237 | 0.387 | 0.292 |
| LTE B48 | Ant.6 | Left Cheek  | 0.080 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.478 | 0.403 | 0.508 | 0.376 |
|         |       | Left Tilt   | 0.088 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.364 | 0.280 | 0.625 | 0.379 |
|         |       | Right Cheek | 0.454 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.601 | 0.573 | 0.677 | 0.599 |
|         |       | Right Tilt  | 0.416 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.568 | 0.508 | 0.658 | 0.563 |
| LTE B48 | Ant.7 | Left Cheek  | 0.599 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.997 | 0.922 | 1.027 | 0.895 |
|         |       | Left Tilt   | 0.658 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.934 | 0.850 | 1.195 | 0.949 |
|         |       | Right Cheek | 0.365 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.512 | 0.484 | 0.588 | 0.510 |
|         |       | Right Tilt  | 0.440 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.592 | 0.532 | 0.682 | 0.587 |

|         |       |             |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE B48 | Ant.8 | Left Cheek  | 0.168 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.566 | 0.491 | 0.596 | 0.464 |
|         |       | Left Tilt   | 0.109 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.385 | 0.301 | 0.646 | 0.400 |
|         |       | Right Cheek | 0.331 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.478 | 0.450 | 0.554 | 0.476 |
|         |       | Right Tilt  | 0.185 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.337 | 0.277 | 0.427 | 0.332 |
| LTE B48 | Ant.9 | Left Cheek  | 0.467 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.865 | 0.790 | 0.895 | 0.763 |
|         |       | Left Tilt   | 0.278 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.554 | 0.470 | 0.815 | 0.569 |
|         |       | Right Cheek | 0.151 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.298 | 0.270 | 0.374 | 0.296 |
|         |       | Right Tilt  | 0.105 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.257 | 0.197 | 0.347 | 0.252 |
| n2      | Ant.2 | Left Cheek  | 0.411 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.809 | 0.734 | 0.839 | 0.707 |
|         |       | Left Tilt   | 0.503 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.779 | 0.695 | 1.040 | 0.794 |
|         |       | Right Cheek | 0.680 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.827 | 0.799 | 0.903 | 0.825 |
|         |       | Right Tilt  | 0.607 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.759 | 0.699 | 0.849 | 0.754 |
| n2      | Ant.3 | Left Cheek  | 0.069 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.467 | 0.392 | 0.497 | 0.365 |
|         |       | Left Tilt   | 0.034 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.310 | 0.226 | 0.571 | 0.325 |
|         |       | Right Cheek | 0.052 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.199 | 0.171 | 0.275 | 0.197 |
|         |       | Right Tilt  | 0.026 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.178 | 0.118 | 0.268 | 0.173 |
| n5      | Ant.1 | Left Cheek  | 0.789 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.187 | 1.112 | 1.217 | 1.085 |
|         |       | Left Tilt   | 0.112 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.388 | 0.304 | 0.649 | 0.403 |
|         |       | Right Cheek | 0.487 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.634 | 0.606 | 0.710 | 0.632 |
|         |       | Right Tilt  | 0.080 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.232 | 0.172 | 0.322 | 0.227 |
| n5      | Ant.0 | Left Cheek  | 0.213 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.611 | 0.536 | 0.641 | 0.509 |
|         |       | Left Tilt   | 0.139 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.415 | 0.331 | 0.676 | 0.430 |
|         |       | Right Cheek | 0.180 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.327 | 0.299 | 0.403 | 0.325 |
|         |       | Right Tilt  | 0.107 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.259 | 0.199 | 0.349 | 0.254 |
| n7      | Ant.2 | Left Cheek  | 0.358 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.756 | 0.681 | 0.786 | 0.654 |
|         |       | Left Tilt   | 0.328 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.604 | 0.520 | 0.865 | 0.619 |
|         |       | Right Cheek | 0.746 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.893 | 0.865 | 0.969 | 0.891 |
|         |       | Right Tilt  | 0.581 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.733 | 0.673 | 0.823 | 0.728 |
| n7      | Ant.3 | Left Cheek  | 0.153 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.551 | 0.476 | 0.581 | 0.449 |
|         |       | Left Tilt   | 0.137 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.413 | 0.329 | 0.674 | 0.428 |
|         |       | Right Cheek | 0.137 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.284 | 0.256 | 0.360 | 0.282 |
|         |       | Right Tilt  | 0.104 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.256 | 0.196 | 0.346 | 0.251 |
| n7      | Ant.4 | Left Cheek  | 0.205 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.603 | 0.528 | 0.633 | 0.501 |
|         |       | Left Tilt   | 0.144 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.420 | 0.336 | 0.681 | 0.435 |
|         |       | Right Cheek | 0.710 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.857 | 0.829 | 0.933 | 0.855 |
|         |       | Right Tilt  | 0.304 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.456 | 0.396 | 0.546 | 0.451 |
| n7      | Ant.5 | Left Cheek  | 0.576 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.974 | 0.899 | 1.004 | 0.872 |
|         |       | Left Tilt   | 0.222 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.498 | 0.414 | 0.759 | 0.513 |
|         |       | Right Cheek | 0.489 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.636 | 0.608 | 0.712 | 0.634 |
|         |       | Right Tilt  | 0.109 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.261 | 0.201 | 0.351 | 0.256 |
| n12     | Ant.1 | Left Cheek  | 0.943 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.341 | 1.266 | 1.371 | 1.239 |
|         |       | Left Tilt   | 0.093 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.369 | 0.285 | 0.630 | 0.384 |
|         |       | Right Cheek | 0.525 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.672 | 0.644 | 0.748 | 0.670 |

|     |       |             |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Right Tilt  | 0.089 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.241 | 0.181 | 0.331 | 0.236 |
| n12 | Ant.0 | Left Cheek  | 0.088 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.486 | 0.411 | 0.516 | 0.384 |
|     |       | Left Tilt   | 0.036 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.312 | 0.228 | 0.573 | 0.327 |
|     |       | Right Cheek | 0.067 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.214 | 0.186 | 0.290 | 0.212 |
|     |       | Right Tilt  | 0.032 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.184 | 0.124 | 0.274 | 0.179 |
| n26 | Ant.1 | Left Cheek  | 0.778 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.176 | 1.101 | 1.206 | 1.074 |
|     |       | Left Tilt   | 0.086 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.362 | 0.278 | 0.623 | 0.377 |
|     |       | Right Cheek | 0.416 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.563 | 0.535 | 0.639 | 0.561 |
|     |       | Right Tilt  | 0.070 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.222 | 0.162 | 0.312 | 0.217 |
| n26 | Ant.0 | Left Cheek  | 0.103 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.501 | 0.426 | 0.531 | 0.399 |
|     |       | Left Tilt   | 0.073 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.349 | 0.265 | 0.610 | 0.364 |
|     |       | Right Cheek | 0.097 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.244 | 0.216 | 0.320 | 0.242 |
|     |       | Right Tilt  | 0.054 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.206 | 0.146 | 0.296 | 0.201 |
| n66 | Ant.2 | Left Cheek  | 0.641 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.039 | 0.964 | 1.069 | 0.937 |
|     |       | Left Tilt   | 0.686 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.962 | 0.878 | 1.223 | 0.977 |
|     |       | Right Cheek | 0.976 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.123 | 1.095 | 1.199 | 1.121 |
|     |       | Right Tilt  | 0.847 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.999 | 0.939 | 1.089 | 0.994 |
| n66 | Ant.3 | Left Cheek  | 0.137 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.535 | 0.460 | 0.565 | 0.433 |
|     |       | Left Tilt   | 0.069 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.345 | 0.261 | 0.606 | 0.360 |
|     |       | Right Cheek | 0.124 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.271 | 0.243 | 0.347 | 0.269 |
|     |       | Right Tilt  | 0.045 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.197 | 0.137 | 0.287 | 0.192 |
| n66 | Ant.4 | Left Cheek  | 0.201 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.599 | 0.524 | 0.629 | 0.497 |
|     |       | Left Tilt   | 0.092 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.368 | 0.284 | 0.629 | 0.383 |
|     |       | Right Cheek | 0.718 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.865 | 0.837 | 0.941 | 0.863 |
|     |       | Right Tilt  | 0.229 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.381 | 0.321 | 0.471 | 0.376 |
| n66 | Ant.5 | Left Cheek  | 0.363 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.761 | 0.686 | 0.791 | 0.659 |
|     |       | Left Tilt   | 0.096 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.372 | 0.288 | 0.633 | 0.387 |
|     |       | Right Cheek | 0.182 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.329 | 0.301 | 0.405 | 0.327 |
|     |       | Right Tilt  | 0.036 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.188 | 0.128 | 0.278 | 0.183 |
| n38 | Ant.2 | Left Cheek  | 0.313 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.711 | 0.636 | 0.741 | 0.609 |
|     |       | Left Tilt   | 0.298 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.574 | 0.490 | 0.835 | 0.589 |
|     |       | Right Cheek | 0.751 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.898 | 0.870 | 0.974 | 0.896 |
|     |       | Right Tilt  | 0.520 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.672 | 0.612 | 0.762 | 0.667 |
| n38 | Ant.3 | Left Cheek  | 0.114 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.512 | 0.437 | 0.542 | 0.410 |
|     |       | Left Tilt   | 0.051 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.327 | 0.243 | 0.588 | 0.342 |
|     |       | Right Cheek | 0.105 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.252 | 0.224 | 0.328 | 0.250 |
|     |       | Right Tilt  | 0.040 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.192 | 0.132 | 0.282 | 0.187 |
| n38 | Ant.4 | Left Cheek  | 0.211 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.609 | 0.534 | 0.639 | 0.507 |
|     |       | Left Tilt   | 0.121 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.397 | 0.313 | 0.658 | 0.412 |
|     |       | Right Cheek | 0.652 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.799 | 0.771 | 0.875 | 0.797 |
|     |       | Right Tilt  | 0.255 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.407 | 0.347 | 0.497 | 0.402 |
| n38 | Ant.5 | Left Cheek  | 0.369 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.767 | 0.692 | 0.797 | 0.665 |
|     |       | Left Tilt   | 0.105 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.381 | 0.297 | 0.642 | 0.396 |

|     |       |             |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Right Cheek | 0.311 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.458 | 0.430 | 0.534 | 0.456 |
|     |       | Right Tilt  | 0.066 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.218 | 0.158 | 0.308 | 0.213 |
| n41 | Ant.2 | Left Cheek  | 0.293 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.691 | 0.616 | 0.721 | 0.589 |
|     |       | Left Tilt   | 0.476 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.752 | 0.668 | 1.013 | 0.767 |
|     |       | Right Cheek | 0.927 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.074 | 1.046 | 1.150 | 1.072 |
|     |       | Right Tilt  | 0.634 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.786 | 0.726 | 0.876 | 0.781 |
|     |       |             |       |       |       |       |       |       |       |       |       |       |
| n41 | Ant.3 | Left Cheek  | 0.124 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.522 | 0.447 | 0.552 | 0.420 |
|     |       | Left Tilt   | 0.098 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.374 | 0.290 | 0.635 | 0.389 |
|     |       | Right Cheek | 0.108 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.255 | 0.227 | 0.331 | 0.253 |
|     |       | Right Tilt  | 0.071 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.223 | 0.163 | 0.313 | 0.218 |
| n41 | Ant.4 | Left Cheek  | 0.126 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.524 | 0.449 | 0.554 | 0.422 |
|     |       | Left Tilt   | 0.074 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.350 | 0.266 | 0.611 | 0.365 |
|     |       | Right Cheek | 0.425 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.572 | 0.544 | 0.648 | 0.570 |
|     |       | Right Tilt  | 0.150 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.302 | 0.242 | 0.392 | 0.297 |
| n41 | Ant.5 | Left Cheek  | 0.360 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.758 | 0.683 | 0.788 | 0.656 |
|     |       | Left Tilt   | 0.116 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.392 | 0.308 | 0.653 | 0.407 |
|     |       | Right Cheek | 0.500 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.647 | 0.619 | 0.723 | 0.645 |
|     |       | Right Tilt  | 0.073 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.225 | 0.165 | 0.315 | 0.220 |
| n48 | Ant.6 | Left Cheek  | 0.226 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.624 | 0.549 | 0.654 | 0.522 |
|     |       | Left Tilt   | 0.242 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.518 | 0.434 | 0.779 | 0.533 |
|     |       | Right Cheek | 0.788 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.935 | 0.907 | 1.011 | 0.933 |
|     |       | Right Tilt  | 0.686 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.838 | 0.778 | 0.928 | 0.833 |
| n48 | Ant.7 | Left Cheek  | 0.677 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.075 | 1.000 | 1.105 | 0.973 |
|     |       | Left Tilt   | 0.712 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.988 | 0.904 | 1.249 | 1.003 |
|     |       | Right Cheek | 0.413 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.560 | 0.532 | 0.636 | 0.558 |
|     |       | Right Tilt  | 0.487 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.639 | 0.579 | 0.729 | 0.634 |
| n48 | Ant.8 | Left Cheek  | 0.173 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.571 | 0.496 | 0.601 | 0.469 |
|     |       | Left Tilt   | 0.126 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.402 | 0.318 | 0.663 | 0.417 |
|     |       | Right Cheek | 0.350 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.497 | 0.469 | 0.573 | 0.495 |
|     |       | Right Tilt  | 0.183 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.335 | 0.275 | 0.425 | 0.330 |
| n48 | Ant.9 | Left Cheek  | 0.692 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.090 | 1.015 | 1.120 | 0.988 |
|     |       | Left Tilt   | 0.199 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.475 | 0.391 | 0.736 | 0.490 |
|     |       | Right Cheek | 0.176 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.323 | 0.295 | 0.399 | 0.321 |
|     |       | Right Tilt  | 0.121 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.273 | 0.213 | 0.363 | 0.268 |
| n77 | Ant.6 | Left Cheek  | 0.171 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.569 | 0.494 | 0.599 | 0.467 |
|     |       | Left Tilt   | 0.189 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.465 | 0.381 | 0.726 | 0.480 |
|     |       | Right Cheek | 0.902 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.049 | 1.021 | 1.125 | 1.047 |
|     |       | Right Tilt  | 0.741 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.893 | 0.833 | 0.983 | 0.888 |
| n77 | Ant.7 | Left Cheek  | 0.695 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.093 | 1.018 | 1.123 | 0.991 |
|     |       | Left Tilt   | 0.797 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 1.073 | 0.989 | 1.334 | 1.088 |
|     |       | Right Cheek | 0.343 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.490 | 0.462 | 0.566 | 0.488 |
|     |       | Right Tilt  | 0.462 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.614 | 0.554 | 0.704 | 0.609 |
| n77 | Ant.8 | Left Cheek  | 0.107 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.505 | 0.430 | 0.535 | 0.403 |

|     |       |             |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Left Tilt   | 0.050 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.326 | 0.242 | 0.587 | 0.341 |
|     |       | Right Cheek | 0.304 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.451 | 0.423 | 0.527 | 0.449 |
|     |       | Right Tilt  | 0.140 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.292 | 0.232 | 0.382 | 0.287 |
| n77 | Ant.9 | Left Cheek  | 0.237 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.635 | 0.560 | 0.665 | 0.533 |
|     |       | Left Tilt   | 0.119 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.395 | 0.311 | 0.656 | 0.410 |
|     |       | Right Cheek | 0.081 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.228 | 0.200 | 0.304 | 0.226 |
|     |       | Right Tilt  | 0.054 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.206 | 0.146 | 0.296 | 0.201 |
| n78 | Ant.6 | Left Cheek  | 0.176 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.574 | 0.499 | 0.604 | 0.472 |
|     |       | Left Tilt   | 0.186 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.462 | 0.378 | 0.723 | 0.477 |
|     |       | Right Cheek | 0.551 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.698 | 0.670 | 0.774 | 0.696 |
|     |       | Right Tilt  | 0.539 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.691 | 0.631 | 0.781 | 0.686 |
| n78 | Ant.7 | Left Cheek  | 0.704 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.102 | 1.027 | 1.132 | 1.000 |
|     |       | Left Tilt   | 0.758 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 1.034 | 0.950 | 1.295 | 1.049 |
|     |       | Right Cheek | 0.358 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.505 | 0.477 | 0.581 | 0.503 |
|     |       | Right Tilt  | 0.477 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.629 | 0.569 | 0.719 | 0.624 |
| n78 | Ant.8 | Left Cheek  | 0.057 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.455 | 0.380 | 0.485 | 0.353 |
|     |       | Left Tilt   | 0.035 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.311 | 0.227 | 0.572 | 0.326 |
|     |       | Right Cheek | 0.170 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.317 | 0.289 | 0.393 | 0.315 |
|     |       | Right Tilt  | 0.075 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.227 | 0.167 | 0.317 | 0.222 |
| n78 | Ant.9 | Left Cheek  | 0.261 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.659 | 0.584 | 0.689 | 0.557 |
|     |       | Left Tilt   | 0.127 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.403 | 0.319 | 0.664 | 0.418 |
|     |       | Right Cheek | 0.079 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.226 | 0.198 | 0.302 | 0.224 |
|     |       | Right Tilt  | 0.060 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.212 | 0.152 | 0.302 | 0.207 |

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.503 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

### 13.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

| Band     | Antenna | Position        | Stand alone SAR |                  |             |                |                   |                   | SUM SAR |       |              |       |
|----------|---------|-----------------|-----------------|------------------|-------------|----------------|-------------------|-------------------|---------|-------|--------------|-------|
|          |         |                 | 1               | 2                | 3           | 4              | 5                 | 6                 | 1+2     | 1+5   | 1+3+6        | 1+4+6 |
|          |         |                 | WWAN            | 2.4GWIFI<br>Max. | 5GWIFI Max. | 6GWIFI<br>Max. | Bluetooth<br>Max. | Bluetooth<br>Max. |         |       |              |       |
|          |         |                 | DSI2            | Level4           | Level4      | Level4         | High Power        | High Power        |         |       |              |       |
| GSM850   | Ant.1   | Front Side 15mm | 0.157           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.193   | 0.173 | 0.218        | 0.195 |
|          |         | Back Side 15mm  | 0.234           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.289   | 0.326 | 0.410        | 0.362 |
| GSM850   | Ant.0   | Front Side 15mm | 0.161           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.197   | 0.177 | 0.222        | 0.199 |
|          |         | Back Side 15mm  | 0.193           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.248   | 0.285 | 0.369        | 0.321 |
| GSM1900  | Ant.2   | Front Side 15mm | 0.150           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.186   | 0.166 | 0.211        | 0.188 |
|          |         | Back Side 15mm  | 0.202           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.257   | 0.294 | 0.378        | 0.330 |
| GSM1900  | Ant.3   | Front Side 15mm | 0.076           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.112   | 0.092 | 0.137        | 0.114 |
|          |         | Back Side 15mm  | 0.112           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.167   | 0.204 | 0.288        | 0.240 |
| WCDMA B2 | Ant.2   | Front Side 15mm | 0.173           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.209   | 0.189 | 0.234        | 0.211 |
|          |         | Back Side 15mm  | 0.238           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.293   | 0.330 | 0.414        | 0.366 |
| WCDMA B2 | Ant.3   | Front Side 15mm | 0.150           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.186   | 0.166 | 0.211        | 0.188 |
|          |         | Back Side 15mm  | 0.243           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.298   | 0.335 | 0.419        | 0.371 |
| WCDMA B4 | Ant.2   | Front Side 15mm | 0.538           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.574   | 0.554 | 0.599        | 0.576 |
|          |         | Back Side 15mm  | 0.682           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.737   | 0.774 | 0.858        | 0.810 |
| WCDMA B4 | Ant.3   | Front Side 15mm | 0.336           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.372   | 0.352 | 0.397        | 0.374 |
|          |         | Back Side 15mm  | 0.492           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.547   | 0.584 | 0.668        | 0.620 |
| WCDMA B4 | Ant.4   | Front Side 15mm | 0.128           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.164   | 0.144 | 0.189        | 0.166 |
|          |         | Back Side 15mm  | 0.166           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.221   | 0.258 | 0.342        | 0.294 |
| WCDMA B4 | Ant.5   | Front Side 15mm | 0.065           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.101   | 0.081 | 0.126        | 0.103 |
|          |         | Back Side 15mm  | 0.094           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.149   | 0.186 | 0.270        | 0.222 |
| WCDMA B5 | Ant.1   | Front Side 15mm | 0.379           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.415   | 0.395 | 0.440        | 0.417 |
|          |         | Back Side 15mm  | 0.438           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.493   | 0.530 | 0.614        | 0.566 |
| WCDMA B5 | Ant.0   | Front Side 15mm | 0.192           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.228   | 0.208 | 0.253        | 0.230 |
|          |         | Back Side 15mm  | 0.228           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.283   | 0.320 | 0.404        | 0.356 |
| LTE B2   | Ant.2   | Front Side 15mm | 0.309           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.345   | 0.325 | 0.370        | 0.347 |
|          |         | Back Side 15mm  | 0.395           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.450   | 0.487 | 0.571        | 0.523 |
| LTE B2   | Ant.3   | Front Side 15mm | 0.143           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.179   | 0.159 | 0.204        | 0.181 |
|          |         | Back Side 15mm  | 0.203           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.258   | 0.295 | 0.379        | 0.331 |
| LTE B2   | Ant.4   | Front Side 15mm | 0.079           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.115   | 0.095 | 0.140        | 0.117 |
|          |         | Back Side 15mm  | 0.101           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.156   | 0.193 | 0.277        | 0.229 |
| LTE B2   | Ant.5   | Front Side 15mm | 0.042           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.078   | 0.058 | 0.103        | 0.080 |
|          |         | Back Side 15mm  | 0.064           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 0.119   | 0.156 | 0.240        | 0.192 |
| LTE B4   | Ant.2   | Front Side 15mm | 0.798           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.834   | 0.814 | 0.859        | 0.836 |
|          |         | Back Side 15mm  | 1.080           | 0.055            | 0.084       | 0.036          | 0.092             | 0.092             | 1.135   | 1.172 | <b>1.256</b> | 1.208 |
| LTE B4   | Ant.3   | Front Side 15mm | 0.177           | 0.036            | 0.045       | 0.022          | 0.016             | 0.016             | 0.213   | 0.193 | 0.238        | 0.215 |

|         |       |                 |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Back Side 15mm  | 0.231 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.286 | 0.323 | 0.407 | 0.359 |
| LTE B4  | Ant.4 | Front Side 15mm | 0.156 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.192 | 0.172 | 0.217 | 0.194 |
|         |       | Back Side 15mm  | 0.183 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.238 | 0.275 | 0.359 | 0.311 |
| LTE B4  | Ant.5 | Front Side 15mm | 0.067 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.103 | 0.083 | 0.128 | 0.105 |
|         |       | Back Side 15mm  | 0.106 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.161 | 0.198 | 0.282 | 0.234 |
| LTE B5  | Ant.1 | Front Side 15mm | 0.181 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.217 | 0.197 | 0.242 | 0.219 |
|         |       | Back Side 15mm  | 0.200 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.255 | 0.292 | 0.376 | 0.328 |
| LTE B5  | Ant.0 | Front Side 15mm | 0.209 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.245 | 0.225 | 0.270 | 0.247 |
|         |       | Back Side 15mm  | 0.259 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.314 | 0.351 | 0.435 | 0.387 |
| LTE B7  | Ant.2 | Front Side 15mm | 0.460 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.496 | 0.476 | 0.521 | 0.498 |
|         |       | Back Side 15mm  | 0.654 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.709 | 0.746 | 0.830 | 0.782 |
| LTE B7  | Ant.3 | Front Side 15mm | 0.197 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.233 | 0.213 | 0.258 | 0.235 |
|         |       | Back Side 15mm  | 0.255 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.310 | 0.347 | 0.431 | 0.383 |
| LTE B7  | Ant.4 | Front Side 15mm | 0.083 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.119 | 0.099 | 0.144 | 0.121 |
|         |       | Back Side 15mm  | 0.130 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.185 | 0.222 | 0.306 | 0.258 |
| LTE B7  | Ant.5 | Front Side 15mm | 0.076 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.112 | 0.092 | 0.137 | 0.114 |
|         |       | Back Side 15mm  | 0.128 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.183 | 0.220 | 0.304 | 0.256 |
| LTE B12 | Ant.1 | Front Side 15mm | 0.222 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.258 | 0.238 | 0.283 | 0.260 |
|         |       | Back Side 15mm  | 0.261 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.316 | 0.353 | 0.437 | 0.389 |
| LTE B12 | Ant.0 | Front Side 15mm | 0.247 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.283 | 0.263 | 0.308 | 0.285 |
|         |       | Back Side 15mm  | 0.262 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.317 | 0.354 | 0.438 | 0.390 |
| LTE B13 | Ant.1 | Front Side 15mm | 0.257 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.293 | 0.273 | 0.318 | 0.295 |
|         |       | Back Side 15mm  | 0.295 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.350 | 0.387 | 0.471 | 0.423 |
| LTE B13 | Ant.0 | Front Side 15mm | 0.281 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.317 | 0.297 | 0.342 | 0.319 |
|         |       | Back Side 15mm  | 0.356 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.411 | 0.448 | 0.532 | 0.484 |
| LTE B17 | Ant.1 | Front Side 15mm | 0.227 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.263 | 0.243 | 0.288 | 0.265 |
|         |       | Back Side 15mm  | 0.264 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.319 | 0.356 | 0.440 | 0.392 |
| LTE B17 | Ant.0 | Front Side 15mm | 0.262 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.298 | 0.278 | 0.323 | 0.300 |
|         |       | Back Side 15mm  | 0.273 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.328 | 0.365 | 0.449 | 0.401 |
| LTE B26 | Ant.1 | Front Side 15mm | 0.231 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.267 | 0.247 | 0.292 | 0.269 |
|         |       | Back Side 15mm  | 0.253 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.308 | 0.345 | 0.429 | 0.381 |
| LTE B26 | Ant.0 | Front Side 15mm | 0.214 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.250 | 0.230 | 0.275 | 0.252 |
|         |       | Back Side 15mm  | 0.252 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.307 | 0.344 | 0.428 | 0.380 |
| LTE B66 | Ant.2 | Front Side 15mm | 0.695 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.731 | 0.711 | 0.756 | 0.733 |
|         |       | Back Side 15mm  | 0.874 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.929 | 0.966 | 1.050 | 1.002 |
| LTE B66 | Ant.3 | Front Side 15mm | 0.196 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.232 | 0.212 | 0.257 | 0.234 |
|         |       | Back Side 15mm  | 0.258 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.313 | 0.350 | 0.434 | 0.386 |
| LTE B66 | Ant.4 | Front Side 15mm | 0.179 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.215 | 0.195 | 0.240 | 0.217 |
|         |       | Back Side 15mm  | 0.235 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.290 | 0.327 | 0.411 | 0.363 |
| LTE B66 | Ant.5 | Front Side 15mm | 0.064 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.100 | 0.080 | 0.125 | 0.102 |
|         |       | Back Side 15mm  | 0.101 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.156 | 0.193 | 0.277 | 0.229 |
| LTE B38 | Ant.2 | Front Side 15mm | 0.366 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.402 | 0.382 | 0.427 | 0.404 |
|         |       | Back Side 15mm  | 0.569 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.624 | 0.661 | 0.745 | 0.697 |

|         |       |                 |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE B38 | Ant.3 | Front Side 15mm | 0.200 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.236 | 0.216 | 0.261 | 0.238 |
|         |       | Back Side 15mm  | 0.246 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.301 | 0.338 | 0.422 | 0.374 |
| LTE B38 | Ant.4 | Front Side 15mm | 0.064 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.100 | 0.080 | 0.125 | 0.102 |
|         |       | Back Side 15mm  | 0.106 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.161 | 0.198 | 0.282 | 0.234 |
| LTE B38 | Ant.5 | Front Side 15mm | 0.029 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.065 | 0.045 | 0.090 | 0.067 |
|         |       | Back Side 15mm  | 0.072 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.127 | 0.164 | 0.248 | 0.200 |
| LTE B41 | Ant.2 | Front Side 15mm | 0.377 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.413 | 0.393 | 0.438 | 0.415 |
|         |       | Back Side 15mm  | 0.522 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.577 | 0.614 | 0.698 | 0.650 |
| LTE B41 | Ant.3 | Front Side 15mm | 0.157 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.193 | 0.173 | 0.218 | 0.195 |
|         |       | Back Side 15mm  | 0.225 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.280 | 0.317 | 0.401 | 0.353 |
| LTE B41 | Ant.4 | Front Side 15mm | 0.099 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.135 | 0.115 | 0.160 | 0.137 |
|         |       | Back Side 15mm  | 0.146 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.201 | 0.238 | 0.322 | 0.274 |
| LTE B41 | Ant.5 | Front Side 15mm | 0.043 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.079 | 0.059 | 0.104 | 0.081 |
|         |       | Back Side 15mm  | 0.085 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.140 | 0.177 | 0.261 | 0.213 |
| LTE B42 | Ant.6 | Front Side 15mm | 0.090 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.126 | 0.106 | 0.151 | 0.128 |
|         |       | Back Side 15mm  | 0.157 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.212 | 0.249 | 0.333 | 0.285 |
| LTE B42 | Ant.7 | Front Side 15mm | 0.116 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.152 | 0.132 | 0.177 | 0.154 |
|         |       | Back Side 15mm  | 0.158 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.213 | 0.250 | 0.334 | 0.286 |
| LTE B42 | Ant.8 | Front Side 15mm | 0.044 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.080 | 0.060 | 0.105 | 0.082 |
|         |       | Back Side 15mm  | 0.118 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.173 | 0.210 | 0.294 | 0.246 |
| LTE B42 | Ant.9 | Front Side 15mm | 0.117 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.153 | 0.133 | 0.178 | 0.155 |
|         |       | Back Side 15mm  | 0.172 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.227 | 0.264 | 0.348 | 0.300 |
| LTE B48 | Ant.6 | Front Side 15mm | 0.077 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.113 | 0.093 | 0.138 | 0.115 |
|         |       | Back Side 15mm  | 0.147 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.202 | 0.239 | 0.323 | 0.275 |
| LTE B48 | Ant.7 | Front Side 15mm | 0.188 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.224 | 0.204 | 0.249 | 0.226 |
|         |       | Back Side 15mm  | 0.199 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.254 | 0.291 | 0.375 | 0.327 |
| LTE B48 | Ant.8 | Front Side 15mm | 0.031 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.067 | 0.047 | 0.092 | 0.069 |
|         |       | Back Side 15mm  | 0.076 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.131 | 0.168 | 0.252 | 0.204 |
| LTE B48 | Ant.9 | Front Side 15mm | 0.083 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.119 | 0.099 | 0.144 | 0.121 |
|         |       | Back Side 15mm  | 0.138 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.193 | 0.230 | 0.314 | 0.266 |
| n2      | Ant.2 | Front Side 15mm | 0.231 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.267 | 0.247 | 0.292 | 0.269 |
|         |       | Back Side 15mm  | 0.296 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.351 | 0.388 | 0.472 | 0.424 |
| n2      | Ant.3 | Front Side 15mm | 0.095 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.131 | 0.111 | 0.156 | 0.133 |
|         |       | Back Side 15mm  | 0.156 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.211 | 0.248 | 0.332 | 0.284 |
| n5      | Ant.1 | Front Side 15mm | 0.272 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.308 | 0.288 | 0.333 | 0.310 |
|         |       | Back Side 15mm  | 0.319 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.374 | 0.411 | 0.495 | 0.447 |
| n5      | Ant.0 | Front Side 15mm | 0.186 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.222 | 0.202 | 0.247 | 0.224 |
|         |       | Back Side 15mm  | 0.254 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.309 | 0.346 | 0.430 | 0.382 |
| n7      | Ant.2 | Front Side 15mm | 0.515 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.551 | 0.531 | 0.576 | 0.553 |
|         |       | Back Side 15mm  | 0.736 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.791 | 0.828 | 0.912 | 0.864 |
| n7      | Ant.3 | Front Side 15mm | 0.164 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.200 | 0.180 | 0.225 | 0.202 |
|         |       | Back Side 15mm  | 0.216 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.271 | 0.308 | 0.392 | 0.344 |
| n7      | Ant.4 | Front Side 15mm | 0.220 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.256 | 0.236 | 0.281 | 0.258 |

|     |       |                 |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Back Side 15mm  | 0.347 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.402 | 0.439 | 0.523 | 0.475 |
| n7  | Ant.5 | Front Side 15mm | 0.074 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.110 | 0.090 | 0.135 | 0.112 |
|     |       | Back Side 15mm  | 0.110 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.165 | 0.202 | 0.286 | 0.238 |
| n12 | Ant.1 | Front Side 15mm | 0.209 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.245 | 0.225 | 0.270 | 0.247 |
|     |       | Back Side 15mm  | 0.271 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.326 | 0.363 | 0.447 | 0.399 |
| n12 | Ant.0 | Front Side 15mm | 0.077 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.113 | 0.093 | 0.138 | 0.115 |
|     |       | Back Side 15mm  | 0.106 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.161 | 0.198 | 0.282 | 0.234 |
| n26 | Ant.1 | Front Side 15mm | 0.212 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.248 | 0.228 | 0.273 | 0.250 |
|     |       | Back Side 15mm  | 0.403 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.458 | 0.495 | 0.579 | 0.531 |
| n26 | Ant.0 | Front Side 15mm | 0.104 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.140 | 0.120 | 0.165 | 0.142 |
|     |       | Back Side 15mm  | 0.146 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.201 | 0.238 | 0.322 | 0.274 |
| n66 | Ant.2 | Front Side 15mm | 0.255 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.291 | 0.271 | 0.316 | 0.293 |
|     |       | Back Side 15mm  | 0.349 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.404 | 0.441 | 0.525 | 0.477 |
| n66 | Ant.3 | Front Side 15mm | 0.235 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.271 | 0.251 | 0.296 | 0.273 |
|     |       | Back Side 15mm  | 0.344 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.399 | 0.436 | 0.520 | 0.472 |
| n66 | Ant.4 | Front Side 15mm | 0.099 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.135 | 0.115 | 0.160 | 0.137 |
|     |       | Back Side 15mm  | 0.133 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.188 | 0.225 | 0.309 | 0.261 |
| n66 | Ant.5 | Front Side 15mm | 0.022 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.058 | 0.038 | 0.083 | 0.060 |
|     |       | Back Side 15mm  | 0.061 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.116 | 0.153 | 0.237 | 0.189 |
| n38 | Ant.2 | Front Side 15mm | 0.388 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.424 | 0.404 | 0.449 | 0.426 |
|     |       | Back Side 15mm  | 0.550 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.605 | 0.642 | 0.726 | 0.678 |
| n38 | Ant.3 | Front Side 15mm | 0.128 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.164 | 0.144 | 0.189 | 0.166 |
|     |       | Back Side 15mm  | 0.161 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.216 | 0.253 | 0.337 | 0.289 |
| n38 | Ant.4 | Front Side 15mm | 0.076 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.112 | 0.092 | 0.137 | 0.114 |
|     |       | Back Side 15mm  | 0.125 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.180 | 0.217 | 0.301 | 0.253 |
| n38 | Ant.5 | Front Side 15mm | 0.059 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.095 | 0.075 | 0.120 | 0.097 |
|     |       | Back Side 15mm  | 0.095 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.150 | 0.187 | 0.271 | 0.223 |
| n41 | Ant.2 | Front Side 15mm | 0.295 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.331 | 0.311 | 0.356 | 0.333 |
|     |       | Back Side 15mm  | 0.471 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.526 | 0.563 | 0.647 | 0.599 |
| n41 | Ant.3 | Front Side 15mm | 0.130 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.166 | 0.146 | 0.191 | 0.168 |
|     |       | Back Side 15mm  | 0.163 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.218 | 0.255 | 0.339 | 0.291 |
| n41 | Ant.4 | Front Side 15mm | 0.083 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.119 | 0.099 | 0.144 | 0.121 |
|     |       | Back Side 15mm  | 0.141 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.196 | 0.233 | 0.317 | 0.269 |
| n41 | Ant.5 | Front Side 15mm | 0.055 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.091 | 0.071 | 0.116 | 0.093 |
|     |       | Back Side 15mm  | 0.083 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.138 | 0.175 | 0.259 | 0.211 |
| n48 | Ant.6 | Front Side 15mm | 0.175 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.211 | 0.191 | 0.236 | 0.213 |
|     |       | Back Side 15mm  | 0.259 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.314 | 0.351 | 0.435 | 0.387 |
| n48 | Ant.7 | Front Side 15mm | 0.256 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.292 | 0.272 | 0.317 | 0.294 |
|     |       | Back Side 15mm  | 0.233 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.288 | 0.325 | 0.409 | 0.361 |
| n48 | Ant.8 | Front Side 15mm | 0.016 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.052 | 0.032 | 0.077 | 0.054 |
|     |       | Back Side 15mm  | 0.140 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.195 | 0.232 | 0.316 | 0.268 |
| n48 | Ant.9 | Front Side 15mm | 0.131 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.167 | 0.147 | 0.192 | 0.169 |
|     |       | Back Side 15mm  | 0.240 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.295 | 0.332 | 0.416 | 0.368 |

|     |       |                 |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| n77 | Ant.6 | Front Side 15mm | 0.095 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.131 | 0.111 | 0.156 | 0.133 |
|     |       | Back Side 15mm  | 0.153 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.208 | 0.245 | 0.329 | 0.281 |
| n77 | Ant.7 | Front Side 15mm | 0.647 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.683 | 0.663 | 0.708 | 0.685 |
|     |       | Back Side 15mm  | 0.671 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.726 | 0.763 | 0.847 | 0.799 |
| n77 | Ant.8 | Front Side 15mm | 0.040 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.076 | 0.056 | 0.101 | 0.078 |
|     |       | Back Side 15mm  | 0.113 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.168 | 0.205 | 0.289 | 0.241 |
| n77 | Ant.9 | Front Side 15mm | 0.076 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.112 | 0.092 | 0.137 | 0.114 |
|     |       | Back Side 15mm  | 0.116 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.171 | 0.208 | 0.292 | 0.244 |
| n78 | Ant.6 | Front Side 15mm | 0.108 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.144 | 0.124 | 0.169 | 0.146 |
|     |       | Back Side 15mm  | 0.169 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.224 | 0.261 | 0.345 | 0.297 |
| n78 | Ant.7 | Front Side 15mm | 0.667 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.703 | 0.683 | 0.728 | 0.705 |
|     |       | Back Side 15mm  | 0.520 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.575 | 0.612 | 0.696 | 0.648 |
| n78 | Ant.8 | Front Side 15mm | 0.025 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.061 | 0.041 | 0.086 | 0.063 |
|     |       | Back Side 15mm  | 0.089 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.144 | 0.181 | 0.265 | 0.217 |
| n78 | Ant.9 | Front Side 15mm | 0.137 | 0.036 | 0.045 | 0.022 | 0.016 | 0.016 | 0.173 | 0.153 | 0.198 | 0.175 |
|     |       | Back Side 15mm  | 0.067 | 0.055 | 0.084 | 0.036 | 0.092 | 0.092 | 0.122 | 0.159 | 0.243 | 0.195 |

Note:

- 1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 1g SAR is 1.256 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.7 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

| Band     | Antenna | Position         | Stand alone SAR |               |             |                |                | SUM SAR |       |       |
|----------|---------|------------------|-----------------|---------------|-------------|----------------|----------------|---------|-------|-------|
|          |         |                  | 1               | 2             | 3           | 4              | 5              | 1+2     | 1+4   | 1+3+5 |
|          |         |                  | WWAN            | 2.4GWIFI Max. | 5GWIFI Max. | Bluetooth Max. | Bluetooth Max. |         |       |       |
|          |         |                  | DSI5            | Level4        | Level4      | LowPower1      | LowPower2      |         |       |       |
| GSM850   | Ant.1   | Front Side 10mm  | 0.255           | 0.172         | 0.062       | 0.055          | 0.023          | 0.427   | 0.310 | 0.340 |
|          |         | Back Side 10mm   | 0.273           | 0.248         | 0.141       | 0.085          | 0.034          | 0.521   | 0.358 | 0.448 |
|          |         | Left Edge 10mm   | 0.332           | 0.000         | 0.000       | 0.000          | 0.000          | 0.332   | 0.332 | 0.332 |
|          |         | Right Edge 10mm  | 0.000           | 0.335         | 0.087       | 0.141          | 0.053          | 0.335   | 0.141 | 0.140 |
|          |         | Top Edge 10mm    | 0.007           | 0.141         | 0.225       | 0.047          | 0.018          | 0.148   | 0.054 | 0.250 |
|          |         | Bottom Edge 10mm | 0.000           | 0.000         | 0.000       | 0.000          | 0.000          | 0.000   | 0.000 | 0.000 |
| GSM850   | Ant.0   | Front Side 10mm  | 0.272           | 0.172         | 0.062       | 0.055          | 0.023          | 0.444   | 0.327 | 0.357 |
|          |         | Back Side 10mm   | 0.327           | 0.248         | 0.141       | 0.085          | 0.034          | 0.575   | 0.412 | 0.502 |
|          |         | Left Edge 10mm   | 0.173           | 0.000         | 0.000       | 0.000          | 0.000          | 0.173   | 0.173 | 0.173 |
|          |         | Right Edge 10mm  | 0.108           | 0.335         | 0.087       | 0.141          | 0.053          | 0.443   | 0.249 | 0.248 |
|          |         | Top Edge 10mm    | 0.000           | 0.141         | 0.225       | 0.047          | 0.018          | 0.141   | 0.047 | 0.243 |
|          |         | Bottom Edge 10mm | 0.216           | 0.000         | 0.000       | 0.000          | 0.000          | 0.216   | 0.216 | 0.216 |
| GSM1900  | Ant.2   | Front Side 10mm  | 0.262           | 0.172         | 0.062       | 0.055          | 0.023          | 0.434   | 0.317 | 0.347 |
|          |         | Back Side 10mm   | 0.397           | 0.248         | 0.141       | 0.085          | 0.034          | 0.645   | 0.482 | 0.572 |
|          |         | Left Edge 10mm   | 0.144           | 0.000         | 0.000       | 0.000          | 0.000          | 0.144   | 0.144 | 0.144 |
|          |         | Right Edge 10mm  | 0.055           | 0.335         | 0.087       | 0.141          | 0.053          | 0.390   | 0.196 | 0.195 |
|          |         | Top Edge 10mm    | 0.513           | 0.141         | 0.225       | 0.047          | 0.018          | 0.654   | 0.560 | 0.756 |
|          |         | Bottom Edge 10mm | 0.000           | 0.000         | 0.000       | 0.000          | 0.000          | 0.000   | 0.000 | 0.000 |
| GSM1900  | Ant.3   | Front Side 10mm  | 0.153           | 0.172         | 0.062       | 0.055          | 0.023          | 0.325   | 0.208 | 0.238 |
|          |         | Back Side 10mm   | 0.266           | 0.248         | 0.141       | 0.085          | 0.034          | 0.514   | 0.351 | 0.441 |
|          |         | Left Edge 10mm   | 0.000           | 0.000         | 0.000       | 0.000          | 0.000          | 0.000   | 0.000 | 0.000 |
|          |         | Right Edge 10mm  | 0.055           | 0.335         | 0.087       | 0.141          | 0.053          | 0.390   | 0.196 | 0.195 |
|          |         | Top Edge 10mm    | 0.000           | 0.141         | 0.225       | 0.047          | 0.018          | 0.141   | 0.047 | 0.243 |
|          |         | Bottom Edge 10mm | 0.445           | 0.000         | 0.000       | 0.000          | 0.000          | 0.445   | 0.445 | 0.445 |
| WCDMA B2 | Ant.2   | Front Side 10mm  | 0.185           | 0.172         | 0.062       | 0.055          | 0.023          | 0.357   | 0.240 | 0.270 |
|          |         | Back Side 10mm   | 0.265           | 0.248         | 0.141       | 0.085          | 0.034          | 0.513   | 0.350 | 0.440 |
|          |         | Left Edge 10mm   | 0.075           | 0.000         | 0.000       | 0.000          | 0.000          | 0.075   | 0.075 | 0.075 |
|          |         | Right Edge 10mm  | 0.000           | 0.335         | 0.087       | 0.141          | 0.053          | 0.335   | 0.141 | 0.140 |
|          |         | Top Edge 10mm    | 0.451           | 0.141         | 0.225       | 0.047          | 0.018          | 0.592   | 0.498 | 0.694 |
|          |         | Bottom Edge 10mm | 0.000           | 0.000         | 0.000       | 0.000          | 0.000          | 0.000   | 0.000 | 0.000 |
| WCDMA B2 | Ant.3   | Front Side 10mm  | 0.268           | 0.172         | 0.062       | 0.055          | 0.023          | 0.440   | 0.323 | 0.353 |
|          |         | Back Side 10mm   | 0.379           | 0.248         | 0.141       | 0.085          | 0.034          | 0.627   | 0.464 | 0.554 |
|          |         | Left Edge 10mm   | 0.000           | 0.000         | 0.000       | 0.000          | 0.000          | 0.000   | 0.000 | 0.000 |
|          |         | Right Edge 10mm  | 0.080           | 0.335         | 0.087       | 0.141          | 0.053          | 0.415   | 0.221 | 0.220 |
|          |         | Top Edge 10mm    | 0.000           | 0.141         | 0.225       | 0.047          | 0.018          | 0.141   | 0.047 | 0.243 |
|          |         | Bottom Edge 10mm | 0.615           | 0.000         | 0.000       | 0.000          | 0.000          | 0.615   | 0.615 | 0.615 |

|          |       |                  |              |       |       |       |       |              |              |              |
|----------|-------|------------------|--------------|-------|-------|-------|-------|--------------|--------------|--------------|
| WCDMA B4 | Ant.2 | Front Side 10mm  | 0.240        | 0.172 | 0.062 | 0.055 | 0.023 | 0.412        | 0.295        | 0.325        |
|          |       | Back Side 10mm   | 0.310        | 0.248 | 0.141 | 0.085 | 0.034 | 0.558        | 0.395        | 0.485        |
|          |       | Left Edge 10mm   | 0.127        | 0.000 | 0.000 | 0.000 | 0.000 | 0.127        | 0.127        | 0.127        |
|          |       | Right Edge 10mm  | 0.000        | 0.335 | 0.087 | 0.141 | 0.053 | 0.335        | 0.141        | 0.140        |
|          |       | Top Edge 10mm    | 0.360        | 0.141 | 0.225 | 0.047 | 0.018 | 0.501        | 0.407        | 0.603        |
|          |       | Bottom Edge 10mm | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
| WCDMA B4 | Ant.3 | Front Side 10mm  | 0.233        | 0.172 | 0.062 | 0.055 | 0.023 | 0.405        | 0.288        | 0.318        |
|          |       | Back Side 10mm   | 0.300        | 0.248 | 0.141 | 0.085 | 0.034 | 0.548        | 0.385        | 0.475        |
|          |       | Left Edge 10mm   | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
|          |       | Right Edge 10mm  | 0.070        | 0.335 | 0.087 | 0.141 | 0.053 | 0.405        | 0.211        | 0.210        |
|          |       | Top Edge 10mm    | 0.000        | 0.141 | 0.225 | 0.047 | 0.018 | 0.141        | 0.047        | 0.243        |
|          |       | Bottom Edge 10mm | 0.478        | 0.000 | 0.000 | 0.000 | 0.000 | 0.478        | 0.478        | 0.478        |
| WCDMA B4 | Ant.4 | Front Side 10mm  | 0.139        | 0.172 | 0.062 | 0.055 | 0.023 | 0.311        | 0.194        | 0.224        |
|          |       | Back Side 10mm   | 0.187        | 0.248 | 0.141 | 0.085 | 0.034 | 0.435        | 0.272        | 0.362        |
|          |       | Left Edge 10mm   | 0.248        | 0.000 | 0.000 | 0.000 | 0.000 | 0.248        | 0.248        | 0.248        |
|          |       | Right Edge 10mm  | 0.000        | 0.335 | 0.087 | 0.141 | 0.053 | 0.335        | 0.141        | 0.140        |
|          |       | Top Edge 10mm    | 0.059        | 0.141 | 0.225 | 0.047 | 0.018 | 0.200        | 0.106        | 0.302        |
|          |       | Bottom Edge 10mm | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
| WCDMA B4 | Ant.5 | Front Side 10mm  | 0.111        | 0.172 | 0.062 | 0.055 | 0.023 | 0.283        | 0.166        | 0.196        |
|          |       | Back Side 10mm   | 0.190        | 0.248 | 0.141 | 0.085 | 0.034 | 0.438        | 0.275        | 0.365        |
|          |       | Left Edge 10mm   | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
|          |       | Right Edge 10mm  | 0.266        | 0.335 | 0.087 | 0.141 | 0.053 | 0.601        | 0.407        | 0.406        |
|          |       | Top Edge 10mm    | 0.000        | 0.141 | 0.225 | 0.047 | 0.018 | 0.141        | 0.047        | 0.243        |
|          |       | Bottom Edge 10mm | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
| WCDMA B5 | Ant.1 | Front Side 10mm  | 0.546        | 0.172 | 0.062 | 0.055 | 0.023 | 0.718        | 0.601        | 0.631        |
|          |       | Back Side 10mm   | 0.624        | 0.248 | 0.141 | 0.085 | 0.034 | 0.872        | 0.709        | 0.799        |
|          |       | Left Edge 10mm   | <b>0.980</b> | 0.000 | 0.000 | 0.000 | 0.000 | <b>0.980</b> | <b>0.980</b> | <b>0.980</b> |
|          |       | Right Edge 10mm  | 0.000        | 0.335 | 0.087 | 0.141 | 0.053 | 0.335        | 0.141        | 0.140        |
|          |       | Top Edge 10mm    | 0.008        | 0.141 | 0.225 | 0.047 | 0.018 | 0.149        | 0.055        | 0.251        |
|          |       | Bottom Edge 10mm | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
| WCDMA B5 | Ant.0 | Front Side 10mm  | 0.356        | 0.172 | 0.062 | 0.055 | 0.023 | 0.528        | 0.411        | 0.441        |
|          |       | Back Side 10mm   | 0.538        | 0.248 | 0.141 | 0.085 | 0.034 | 0.786        | 0.623        | 0.713        |
|          |       | Left Edge 10mm   | 0.203        | 0.000 | 0.000 | 0.000 | 0.000 | 0.203        | 0.203        | 0.203        |
|          |       | Right Edge 10mm  | 0.147        | 0.335 | 0.087 | 0.141 | 0.053 | 0.482        | 0.288        | 0.287        |
|          |       | Top Edge 10mm    | 0.000        | 0.141 | 0.225 | 0.047 | 0.018 | 0.141        | 0.047        | 0.243        |
|          |       | Bottom Edge 10mm | 0.259        | 0.000 | 0.000 | 0.000 | 0.000 | 0.259        | 0.259        | 0.259        |
| LTE B2   | Ant.2 | Front Side 10mm  | 0.186        | 0.172 | 0.062 | 0.055 | 0.023 | 0.358        | 0.241        | 0.271        |
|          |       | Back Side 10mm   | 0.254        | 0.248 | 0.141 | 0.085 | 0.034 | 0.502        | 0.339        | 0.429        |
|          |       | Left Edge 10mm   | 0.074        | 0.000 | 0.000 | 0.000 | 0.000 | 0.074        | 0.074        | 0.074        |
|          |       | Right Edge 10mm  | 0.000        | 0.335 | 0.087 | 0.141 | 0.053 | 0.335        | 0.141        | 0.140        |
|          |       | Top Edge 10mm    | 0.355        | 0.141 | 0.225 | 0.047 | 0.018 | 0.496        | 0.402        | 0.598        |
|          |       | Bottom Edge 10mm | 0.000        | 0.000 | 0.000 | 0.000 | 0.000 | 0.000        | 0.000        | 0.000        |
| LTE B2   | Ant.3 | Front Side 10mm  | 0.168        | 0.172 | 0.062 | 0.055 | 0.023 | 0.340        | 0.223        | 0.253        |

|        |       |                  |       |       |       |       |       |       |       |       |
|--------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|        |       | Back Side 10mm   | 0.264 | 0.248 | 0.141 | 0.085 | 0.034 | 0.512 | 0.349 | 0.439 |
|        |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|        |       | Right Edge 10mm  | 0.059 | 0.335 | 0.087 | 0.141 | 0.053 | 0.394 | 0.200 | 0.199 |
|        |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|        |       | Bottom Edge 10mm | 0.462 | 0.000 | 0.000 | 0.000 | 0.000 | 0.462 | 0.462 | 0.462 |
| LTE B2 | Ant.4 | Front Side 10mm  | 0.105 | 0.172 | 0.062 | 0.055 | 0.023 | 0.277 | 0.160 | 0.190 |
|        |       | Back Side 10mm   | 0.130 | 0.248 | 0.141 | 0.085 | 0.034 | 0.378 | 0.215 | 0.305 |
|        |       | Left Edge 10mm   | 0.209 | 0.000 | 0.000 | 0.000 | 0.000 | 0.209 | 0.209 | 0.209 |
|        |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|        |       | Top Edge 10mm    | 0.022 | 0.141 | 0.225 | 0.047 | 0.018 | 0.163 | 0.069 | 0.265 |
|        |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B2 | Ant.5 | Front Side 10mm  | 0.102 | 0.172 | 0.062 | 0.055 | 0.023 | 0.274 | 0.157 | 0.187 |
|        |       | Back Side 10mm   | 0.167 | 0.248 | 0.141 | 0.085 | 0.034 | 0.415 | 0.252 | 0.342 |
|        |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|        |       | Right Edge 10mm  | 0.225 | 0.335 | 0.087 | 0.141 | 0.053 | 0.560 | 0.366 | 0.365 |
|        |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|        |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B4 | Ant.2 | Front Side 10mm  | 0.164 | 0.172 | 0.062 | 0.055 | 0.023 | 0.336 | 0.219 | 0.249 |
|        |       | Back Side 10mm   | 0.235 | 0.248 | 0.141 | 0.085 | 0.034 | 0.483 | 0.320 | 0.410 |
|        |       | Left Edge 10mm   | 0.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.063 | 0.063 |
|        |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|        |       | Top Edge 10mm    | 0.303 | 0.141 | 0.225 | 0.047 | 0.018 | 0.444 | 0.350 | 0.546 |
|        |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B4 | Ant.3 | Front Side 10mm  | 0.306 | 0.172 | 0.062 | 0.055 | 0.023 | 0.478 | 0.361 | 0.391 |
|        |       | Back Side 10mm   | 0.436 | 0.248 | 0.141 | 0.085 | 0.034 | 0.684 | 0.521 | 0.611 |
|        |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|        |       | Right Edge 10mm  | 0.111 | 0.335 | 0.087 | 0.141 | 0.053 | 0.446 | 0.252 | 0.251 |
|        |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|        |       | Bottom Edge 10mm | 0.633 | 0.000 | 0.000 | 0.000 | 0.000 | 0.633 | 0.633 | 0.633 |
| LTE B4 | Ant.4 | Front Side 10mm  | 0.209 | 0.172 | 0.062 | 0.055 | 0.023 | 0.381 | 0.264 | 0.294 |
|        |       | Back Side 10mm   | 0.259 | 0.248 | 0.141 | 0.085 | 0.034 | 0.507 | 0.344 | 0.434 |
|        |       | Left Edge 10mm   | 0.414 | 0.000 | 0.000 | 0.000 | 0.000 | 0.414 | 0.414 | 0.414 |
|        |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|        |       | Top Edge 10mm    | 0.042 | 0.141 | 0.225 | 0.047 | 0.018 | 0.183 | 0.089 | 0.285 |
|        |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B4 | Ant.5 | Front Side 10mm  | 0.143 | 0.172 | 0.062 | 0.055 | 0.023 | 0.315 | 0.198 | 0.228 |
|        |       | Back Side 10mm   | 0.225 | 0.248 | 0.141 | 0.085 | 0.034 | 0.473 | 0.310 | 0.400 |
|        |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|        |       | Right Edge 10mm  | 0.321 | 0.335 | 0.087 | 0.141 | 0.053 | 0.656 | 0.462 | 0.461 |
|        |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|        |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B5 | Ant.1 | Front Side 10mm  | 0.578 | 0.172 | 0.062 | 0.055 | 0.023 | 0.750 | 0.633 | 0.663 |
|        |       | Back Side 10mm   | 0.655 | 0.248 | 0.141 | 0.085 | 0.034 | 0.903 | 0.740 | 0.830 |

|         |       |                  |       |       |       |       |       |       |       |       |
|---------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Left Edge 10mm   | 0.923 | 0.000 | 0.000 | 0.000 | 0.000 | 0.923 | 0.923 | 0.923 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.003 | 0.141 | 0.225 | 0.047 | 0.018 | 0.144 | 0.050 | 0.246 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B5  | Ant.0 | Front Side 10mm  | 0.336 | 0.172 | 0.062 | 0.055 | 0.023 | 0.508 | 0.391 | 0.421 |
|         |       | Back Side 10mm   | 0.487 | 0.248 | 0.141 | 0.085 | 0.034 | 0.735 | 0.572 | 0.662 |
|         |       | Left Edge 10mm   | 0.209 | 0.000 | 0.000 | 0.000 | 0.000 | 0.209 | 0.209 | 0.209 |
|         |       | Right Edge 10mm  | 0.158 | 0.335 | 0.087 | 0.141 | 0.053 | 0.493 | 0.299 | 0.298 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.257 | 0.000 | 0.000 | 0.000 | 0.000 | 0.257 | 0.257 | 0.257 |
| LTE B7  | Ant.2 | Front Side 10mm  | 0.127 | 0.172 | 0.062 | 0.055 | 0.023 | 0.299 | 0.182 | 0.212 |
|         |       | Back Side 10mm   | 0.202 | 0.248 | 0.141 | 0.085 | 0.034 | 0.450 | 0.287 | 0.377 |
|         |       | Left Edge 10mm   | 0.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.063 | 0.063 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.169 | 0.141 | 0.225 | 0.047 | 0.018 | 0.310 | 0.216 | 0.412 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B7  | Ant.3 | Front Side 10mm  | 0.380 | 0.172 | 0.062 | 0.055 | 0.023 | 0.552 | 0.435 | 0.465 |
|         |       | Back Side 10mm   | 0.463 | 0.248 | 0.141 | 0.085 | 0.034 | 0.711 | 0.548 | 0.638 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.051 | 0.335 | 0.087 | 0.141 | 0.053 | 0.386 | 0.192 | 0.191 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.461 | 0.000 | 0.000 | 0.000 | 0.000 | 0.461 | 0.461 | 0.461 |
| LTE B7  | Ant.4 | Front Side 10mm  | 0.145 | 0.172 | 0.062 | 0.055 | 0.023 | 0.317 | 0.200 | 0.230 |
|         |       | Back Side 10mm   | 0.239 | 0.248 | 0.141 | 0.085 | 0.034 | 0.487 | 0.324 | 0.414 |
|         |       | Left Edge 10mm   | 0.261 | 0.000 | 0.000 | 0.000 | 0.000 | 0.261 | 0.261 | 0.261 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.066 | 0.141 | 0.225 | 0.047 | 0.018 | 0.207 | 0.113 | 0.309 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B7  | Ant.5 | Front Side 10mm  | 0.164 | 0.172 | 0.062 | 0.055 | 0.023 | 0.336 | 0.219 | 0.249 |
|         |       | Back Side 10mm   | 0.331 | 0.248 | 0.141 | 0.085 | 0.034 | 0.579 | 0.416 | 0.506 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.408 | 0.335 | 0.087 | 0.141 | 0.053 | 0.743 | 0.549 | 0.548 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B12 | Ant.1 | Front Side 10mm  | 0.394 | 0.172 | 0.062 | 0.055 | 0.023 | 0.566 | 0.449 | 0.479 |
|         |       | Back Side 10mm   | 0.452 | 0.248 | 0.141 | 0.085 | 0.034 | 0.700 | 0.537 | 0.627 |
|         |       | Left Edge 10mm   | 0.966 | 0.000 | 0.000 | 0.000 | 0.000 | 0.966 | 0.966 | 0.966 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.014 | 0.141 | 0.225 | 0.047 | 0.018 | 0.155 | 0.061 | 0.257 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B12 | Ant.0 | Front Side 10mm  | 0.338 | 0.172 | 0.062 | 0.055 | 0.023 | 0.510 | 0.393 | 0.423 |
|         |       | Back Side 10mm   | 0.452 | 0.248 | 0.141 | 0.085 | 0.034 | 0.700 | 0.537 | 0.627 |
|         |       | Left Edge 10mm   | 0.313 | 0.000 | 0.000 | 0.000 | 0.000 | 0.313 | 0.313 | 0.313 |

|         |       |                  |       |       |       |       |       |       |       |       |
|---------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Right Edge 10mm  | 0.225 | 0.335 | 0.087 | 0.141 | 0.053 | 0.560 | 0.366 | 0.365 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.190 | 0.000 | 0.000 | 0.000 | 0.000 | 0.190 | 0.190 | 0.190 |
| LTE B13 | Ant.1 | Front Side 10mm  | 0.439 | 0.172 | 0.062 | 0.055 | 0.023 | 0.611 | 0.494 | 0.524 |
|         |       | Back Side 10mm   | 0.530 | 0.248 | 0.141 | 0.085 | 0.034 | 0.778 | 0.615 | 0.705 |
|         |       | Left Edge 10mm   | 0.847 | 0.000 | 0.000 | 0.000 | 0.000 | 0.847 | 0.847 | 0.847 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.013 | 0.141 | 0.225 | 0.047 | 0.018 | 0.154 | 0.060 | 0.256 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B13 | Ant.0 | Front Side 10mm  | 0.369 | 0.172 | 0.062 | 0.055 | 0.023 | 0.541 | 0.424 | 0.454 |
|         |       | Back Side 10mm   | 0.510 | 0.248 | 0.141 | 0.085 | 0.034 | 0.758 | 0.595 | 0.685 |
|         |       | Left Edge 10mm   | 0.328 | 0.000 | 0.000 | 0.000 | 0.000 | 0.328 | 0.328 | 0.328 |
|         |       | Right Edge 10mm  | 0.232 | 0.335 | 0.087 | 0.141 | 0.053 | 0.567 | 0.373 | 0.372 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.252 | 0.000 | 0.000 | 0.000 | 0.000 | 0.252 | 0.252 | 0.252 |
| LTE B17 | Ant.1 | Front Side 10mm  | 0.423 | 0.172 | 0.062 | 0.055 | 0.023 | 0.595 | 0.478 | 0.508 |
|         |       | Back Side 10mm   | 0.465 | 0.248 | 0.141 | 0.085 | 0.034 | 0.713 | 0.550 | 0.640 |
|         |       | Left Edge 10mm   | 0.973 | 0.000 | 0.000 | 0.000 | 0.000 | 0.973 | 0.973 | 0.973 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.020 | 0.141 | 0.225 | 0.047 | 0.018 | 0.161 | 0.067 | 0.263 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B17 | Ant.0 | Front Side 10mm  | 0.336 | 0.172 | 0.062 | 0.055 | 0.023 | 0.508 | 0.391 | 0.421 |
|         |       | Back Side 10mm   | 0.463 | 0.248 | 0.141 | 0.085 | 0.034 | 0.711 | 0.548 | 0.638 |
|         |       | Left Edge 10mm   | 0.302 | 0.000 | 0.000 | 0.000 | 0.000 | 0.302 | 0.302 | 0.302 |
|         |       | Right Edge 10mm  | 0.232 | 0.335 | 0.087 | 0.141 | 0.053 | 0.567 | 0.373 | 0.372 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.200 | 0.000 | 0.000 | 0.000 | 0.000 | 0.200 | 0.200 | 0.200 |
| LTE B26 | Ant.1 | Front Side 10mm  | 0.395 | 0.172 | 0.062 | 0.055 | 0.023 | 0.567 | 0.450 | 0.480 |
|         |       | Back Side 10mm   | 0.437 | 0.248 | 0.141 | 0.085 | 0.034 | 0.685 | 0.522 | 0.612 |
|         |       | Left Edge 10mm   | 0.650 | 0.000 | 0.000 | 0.000 | 0.000 | 0.650 | 0.650 | 0.650 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.004 | 0.141 | 0.225 | 0.047 | 0.018 | 0.145 | 0.051 | 0.247 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B26 | Ant.0 | Front Side 10mm  | 0.337 | 0.172 | 0.062 | 0.055 | 0.023 | 0.509 | 0.392 | 0.422 |
|         |       | Back Side 10mm   | 0.492 | 0.248 | 0.141 | 0.085 | 0.034 | 0.740 | 0.577 | 0.667 |
|         |       | Left Edge 10mm   | 0.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.213 | 0.213 | 0.213 |
|         |       | Right Edge 10mm  | 0.167 | 0.335 | 0.087 | 0.141 | 0.053 | 0.502 | 0.308 | 0.307 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.245 | 0.000 | 0.000 | 0.000 | 0.000 | 0.245 | 0.245 | 0.245 |
| LTE B66 | Ant.2 | Front Side 10mm  | 0.302 | 0.172 | 0.062 | 0.055 | 0.023 | 0.474 | 0.357 | 0.387 |
|         |       | Back Side 10mm   | 0.074 | 0.248 | 0.141 | 0.085 | 0.034 | 0.322 | 0.159 | 0.249 |
|         |       | Left Edge 10mm   | 0.395 | 0.000 | 0.000 | 0.000 | 0.000 | 0.395 | 0.395 | 0.395 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |

|         |       |                  |       |       |       |       |       |       |       |       |
|---------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Top Edge 10mm    | 0.214 | 0.141 | 0.225 | 0.047 | 0.018 | 0.355 | 0.261 | 0.457 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B66 | Ant.3 | Front Side 10mm  | 0.372 | 0.172 | 0.062 | 0.055 | 0.023 | 0.544 | 0.427 | 0.457 |
|         |       | Back Side 10mm   | 0.498 | 0.248 | 0.141 | 0.085 | 0.034 | 0.746 | 0.583 | 0.673 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.129 | 0.335 | 0.087 | 0.141 | 0.053 | 0.464 | 0.270 | 0.269 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.677 | 0.000 | 0.000 | 0.000 | 0.000 | 0.677 | 0.677 | 0.677 |
|         |       | Front Side 10mm  | 0.234 | 0.172 | 0.062 | 0.055 | 0.023 | 0.406 | 0.289 | 0.319 |
|         |       | Back Side 10mm   | 0.324 | 0.248 | 0.141 | 0.085 | 0.034 | 0.572 | 0.409 | 0.499 |
| LTE B66 | Ant.4 | Left Edge 10mm   | 0.502 | 0.000 | 0.000 | 0.000 | 0.000 | 0.502 | 0.502 | 0.502 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.050 | 0.141 | 0.225 | 0.047 | 0.018 | 0.191 | 0.097 | 0.293 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Front Side 10mm  | 0.130 | 0.172 | 0.062 | 0.055 | 0.023 | 0.302 | 0.185 | 0.215 |
|         |       | Back Side 10mm   | 0.226 | 0.248 | 0.141 | 0.085 | 0.034 | 0.474 | 0.311 | 0.401 |
| LTE B66 | Ant.5 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.299 | 0.335 | 0.087 | 0.141 | 0.053 | 0.634 | 0.440 | 0.439 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Front Side 10mm  | 0.103 | 0.172 | 0.062 | 0.055 | 0.023 | 0.275 | 0.158 | 0.188 |
|         |       | Back Side 10mm   | 0.159 | 0.248 | 0.141 | 0.085 | 0.034 | 0.407 | 0.244 | 0.334 |
| LTE B38 | Ant.2 | Left Edge 10mm   | 0.089 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | 0.089 | 0.089 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.182 | 0.141 | 0.225 | 0.047 | 0.018 | 0.323 | 0.229 | 0.425 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Front Side 10mm  | 0.411 | 0.172 | 0.062 | 0.055 | 0.023 | 0.583 | 0.466 | 0.496 |
|         |       | Back Side 10mm   | 0.496 | 0.248 | 0.141 | 0.085 | 0.034 | 0.744 | 0.581 | 0.671 |
| LTE B38 | Ant.3 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.154 | 0.335 | 0.087 | 0.141 | 0.053 | 0.489 | 0.295 | 0.294 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.664 | 0.000 | 0.000 | 0.000 | 0.000 | 0.664 | 0.664 | 0.664 |
|         |       | Front Side 10mm  | 0.088 | 0.172 | 0.062 | 0.055 | 0.023 | 0.260 | 0.143 | 0.173 |
|         |       | Back Side 10mm   | 0.144 | 0.248 | 0.141 | 0.085 | 0.034 | 0.392 | 0.229 | 0.319 |
| LTE B38 | Ant.4 | Left Edge 10mm   | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.007 | 0.007 | 0.007 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.048 | 0.141 | 0.225 | 0.047 | 0.018 | 0.189 | 0.095 | 0.291 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Front Side 10mm  | 0.083 | 0.172 | 0.062 | 0.055 | 0.023 | 0.255 | 0.138 | 0.168 |
|         |       | Back Side 10mm   | 0.149 | 0.248 | 0.141 | 0.085 | 0.034 | 0.397 | 0.234 | 0.324 |
| LTE B38 | Ant.5 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.250 | 0.335 | 0.087 | 0.141 | 0.053 | 0.585 | 0.391 | 0.390 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |

|         |       |                  |       |       |       |       |       |       |       |       |
|---------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B41 | Ant.2 | Front Side 10mm  | 0.167 | 0.172 | 0.062 | 0.055 | 0.023 | 0.339 | 0.222 | 0.252 |
|         |       | Back Side 10mm   | 0.201 | 0.248 | 0.141 | 0.085 | 0.034 | 0.449 | 0.286 | 0.376 |
|         |       | Left Edge 10mm   | 0.130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.130 | 0.130 | 0.130 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.195 | 0.141 | 0.225 | 0.047 | 0.018 | 0.336 | 0.242 | 0.438 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B41 | Ant.3 | Front Side 10mm  | 0.446 | 0.172 | 0.062 | 0.055 | 0.023 | 0.618 | 0.501 | 0.531 |
|         |       | Back Side 10mm   | 0.552 | 0.248 | 0.141 | 0.085 | 0.034 | 0.800 | 0.637 | 0.727 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.194 | 0.335 | 0.087 | 0.141 | 0.053 | 0.529 | 0.335 | 0.334 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.599 | 0.000 | 0.000 | 0.000 | 0.000 | 0.599 | 0.599 | 0.599 |
| LTE B41 | Ant.4 | Front Side 10mm  | 0.111 | 0.172 | 0.062 | 0.055 | 0.023 | 0.283 | 0.166 | 0.196 |
|         |       | Back Side 10mm   | 0.182 | 0.248 | 0.141 | 0.085 | 0.034 | 0.430 | 0.267 | 0.357 |
|         |       | Left Edge 10mm   | 0.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.213 | 0.213 | 0.213 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.056 | 0.141 | 0.225 | 0.047 | 0.018 | 0.197 | 0.103 | 0.299 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B41 | Ant.5 | Front Side 10mm  | 0.093 | 0.172 | 0.062 | 0.055 | 0.023 | 0.265 | 0.148 | 0.178 |
|         |       | Back Side 10mm   | 0.173 | 0.248 | 0.141 | 0.085 | 0.034 | 0.421 | 0.258 | 0.348 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.258 | 0.335 | 0.087 | 0.141 | 0.053 | 0.593 | 0.399 | 0.398 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B42 | Ant.6 | Front Side 10mm  | 0.070 | 0.172 | 0.062 | 0.055 | 0.023 | 0.242 | 0.125 | 0.155 |
|         |       | Back Side 10mm   | 0.143 | 0.248 | 0.141 | 0.085 | 0.034 | 0.391 | 0.228 | 0.318 |
|         |       | Left Edge 10mm   | 0.132 | 0.000 | 0.000 | 0.000 | 0.000 | 0.132 | 0.132 | 0.132 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.154 | 0.141 | 0.225 | 0.047 | 0.018 | 0.295 | 0.201 | 0.397 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B42 | Ant.7 | Front Side 10mm  | 0.103 | 0.172 | 0.062 | 0.055 | 0.023 | 0.275 | 0.158 | 0.188 |
|         |       | Back Side 10mm   | 0.112 | 0.248 | 0.141 | 0.085 | 0.034 | 0.360 | 0.197 | 0.287 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.048 | 0.335 | 0.087 | 0.141 | 0.053 | 0.383 | 0.189 | 0.188 |
|         |       | Top Edge 10mm    | 0.161 | 0.141 | 0.225 | 0.047 | 0.018 | 0.302 | 0.208 | 0.404 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B42 | Ant.8 | Front Side 10mm  | 0.089 | 0.172 | 0.062 | 0.055 | 0.023 | 0.261 | 0.144 | 0.174 |
|         |       | Back Side 10mm   | 0.155 | 0.248 | 0.141 | 0.085 | 0.034 | 0.403 | 0.240 | 0.330 |
|         |       | Left Edge 10mm   | 0.146 | 0.000 | 0.000 | 0.000 | 0.000 | 0.146 | 0.146 | 0.146 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.152 | 0.141 | 0.225 | 0.047 | 0.018 | 0.293 | 0.199 | 0.395 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

|         |       |                  |       |       |       |       |       |       |       |       |
|---------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE B42 | Ant.9 | Front Side 10mm  | 0.100 | 0.172 | 0.062 | 0.055 | 0.023 | 0.272 | 0.155 | 0.185 |
|         |       | Back Side 10mm   | 0.159 | 0.248 | 0.141 | 0.085 | 0.034 | 0.407 | 0.244 | 0.334 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.145 | 0.335 | 0.087 | 0.141 | 0.053 | 0.480 | 0.286 | 0.285 |
|         |       | Top Edge 10mm    | 0.056 | 0.141 | 0.225 | 0.047 | 0.018 | 0.197 | 0.103 | 0.299 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B48 | Ant.6 | Front Side 10mm  | 0.073 | 0.172 | 0.062 | 0.055 | 0.023 | 0.245 | 0.128 | 0.158 |
|         |       | Back Side 10mm   | 0.169 | 0.248 | 0.141 | 0.085 | 0.034 | 0.417 | 0.254 | 0.344 |
|         |       | Left Edge 10mm   | 0.100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.100 | 0.100 | 0.100 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.157 | 0.141 | 0.225 | 0.047 | 0.018 | 0.298 | 0.204 | 0.400 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B48 | Ant.7 | Front Side 10mm  | 0.097 | 0.172 | 0.062 | 0.055 | 0.023 | 0.269 | 0.152 | 0.182 |
|         |       | Back Side 10mm   | 0.079 | 0.248 | 0.141 | 0.085 | 0.034 | 0.327 | 0.164 | 0.254 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.029 | 0.335 | 0.087 | 0.141 | 0.053 | 0.364 | 0.170 | 0.169 |
|         |       | Top Edge 10mm    | 0.199 | 0.141 | 0.225 | 0.047 | 0.018 | 0.340 | 0.246 | 0.442 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B48 | Ant.8 | Front Side 10mm  | 0.060 | 0.172 | 0.062 | 0.055 | 0.023 | 0.232 | 0.115 | 0.145 |
|         |       | Back Side 10mm   | 0.248 | 0.248 | 0.141 | 0.085 | 0.034 | 0.496 | 0.333 | 0.423 |
|         |       | Left Edge 10mm   | 0.162 | 0.000 | 0.000 | 0.000 | 0.000 | 0.162 | 0.162 | 0.162 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.083 | 0.141 | 0.225 | 0.047 | 0.018 | 0.224 | 0.130 | 0.326 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE B48 | Ant.9 | Front Side 10mm  | 0.077 | 0.172 | 0.062 | 0.055 | 0.023 | 0.249 | 0.132 | 0.162 |
|         |       | Back Side 10mm   | 0.138 | 0.248 | 0.141 | 0.085 | 0.034 | 0.386 | 0.223 | 0.313 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.213 | 0.335 | 0.087 | 0.141 | 0.053 | 0.548 | 0.354 | 0.353 |
|         |       | Top Edge 10mm    | 0.052 | 0.141 | 0.225 | 0.047 | 0.018 | 0.193 | 0.099 | 0.295 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n2      | Ant.2 | Front Side 10mm  | 0.154 | 0.172 | 0.062 | 0.055 | 0.023 | 0.326 | 0.209 | 0.239 |
|         |       | Back Side 10mm   | 0.228 | 0.248 | 0.141 | 0.085 | 0.034 | 0.476 | 0.313 | 0.403 |
|         |       | Left Edge 10mm   | 0.075 | 0.000 | 0.000 | 0.000 | 0.000 | 0.075 | 0.075 | 0.075 |
|         |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|         |       | Top Edge 10mm    | 0.308 | 0.141 | 0.225 | 0.047 | 0.018 | 0.449 | 0.355 | 0.551 |
|         |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n2      | Ant.3 | Front Side 10mm  | 0.212 | 0.172 | 0.062 | 0.055 | 0.023 | 0.384 | 0.267 | 0.297 |
|         |       | Back Side 10mm   | 0.260 | 0.248 | 0.141 | 0.085 | 0.034 | 0.508 | 0.345 | 0.435 |
|         |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|         |       | Right Edge 10mm  | 0.010 | 0.335 | 0.087 | 0.141 | 0.053 | 0.345 | 0.151 | 0.150 |
|         |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|         |       | Bottom Edge 10mm | 0.643 | 0.000 | 0.000 | 0.000 | 0.000 | 0.643 | 0.643 | 0.643 |
| n5      | Ant.1 | Front Side 10mm  | 0.476 | 0.172 | 0.062 | 0.055 | 0.023 | 0.648 | 0.531 | 0.561 |

|     |       |                  |       |       |       |       |       |       |       |       |
|-----|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Back Side 10mm   | 0.528 | 0.248 | 0.141 | 0.085 | 0.034 | 0.776 | 0.613 | 0.703 |
|     |       | Left Edge 10mm   | 0.626 | 0.000 | 0.000 | 0.000 | 0.000 | 0.626 | 0.626 | 0.626 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.012 | 0.141 | 0.225 | 0.047 | 0.018 | 0.153 | 0.059 | 0.255 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n5  | Ant.0 | Front Side 10mm  | 0.429 | 0.172 | 0.062 | 0.055 | 0.023 | 0.601 | 0.484 | 0.514 |
|     |       | Back Side 10mm   | 0.496 | 0.248 | 0.141 | 0.085 | 0.034 | 0.744 | 0.581 | 0.671 |
|     |       | Left Edge 10mm   | 0.189 | 0.000 | 0.000 | 0.000 | 0.000 | 0.189 | 0.189 | 0.189 |
|     |       | Right Edge 10mm  | 0.288 | 0.335 | 0.087 | 0.141 | 0.053 | 0.623 | 0.429 | 0.428 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.407 | 0.000 | 0.000 | 0.000 | 0.000 | 0.407 | 0.407 | 0.407 |
| n7  | Ant.2 | Front Side 10mm  | 0.083 | 0.172 | 0.062 | 0.055 | 0.023 | 0.255 | 0.138 | 0.168 |
|     |       | Back Side 10mm   | 0.158 | 0.248 | 0.141 | 0.085 | 0.034 | 0.406 | 0.243 | 0.333 |
|     |       | Left Edge 10mm   | 0.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.035 | 0.035 | 0.035 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.106 | 0.141 | 0.225 | 0.047 | 0.018 | 0.247 | 0.153 | 0.349 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n7  | Ant.3 | Front Side 10mm  | 0.289 | 0.172 | 0.062 | 0.055 | 0.023 | 0.461 | 0.344 | 0.374 |
|     |       | Back Side 10mm   | 0.360 | 0.248 | 0.141 | 0.085 | 0.034 | 0.608 | 0.445 | 0.535 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.055 | 0.335 | 0.087 | 0.141 | 0.053 | 0.390 | 0.196 | 0.195 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.600 | 0.000 | 0.000 | 0.000 | 0.000 | 0.600 | 0.600 | 0.600 |
| n7  | Ant.4 | Front Side 10mm  | 0.211 | 0.172 | 0.062 | 0.055 | 0.023 | 0.383 | 0.266 | 0.296 |
|     |       | Back Side 10mm   | 0.355 | 0.248 | 0.141 | 0.085 | 0.034 | 0.603 | 0.440 | 0.530 |
|     |       | Left Edge 10mm   | 0.368 | 0.000 | 0.000 | 0.000 | 0.000 | 0.368 | 0.368 | 0.368 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.151 | 0.141 | 0.225 | 0.047 | 0.018 | 0.292 | 0.198 | 0.394 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n7  | Ant.5 | Front Side 10mm  | 0.211 | 0.172 | 0.062 | 0.055 | 0.023 | 0.383 | 0.266 | 0.296 |
|     |       | Back Side 10mm   | 0.370 | 0.248 | 0.141 | 0.085 | 0.034 | 0.618 | 0.455 | 0.545 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.475 | 0.335 | 0.087 | 0.141 | 0.053 | 0.810 | 0.616 | 0.615 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n12 | Ant.1 | Front Side 10mm  | 0.541 | 0.172 | 0.062 | 0.055 | 0.023 | 0.713 | 0.596 | 0.626 |
|     |       | Back Side 10mm   | 0.621 | 0.248 | 0.141 | 0.085 | 0.034 | 0.869 | 0.706 | 0.796 |
|     |       | Left Edge 10mm   | 0.818 | 0.000 | 0.000 | 0.000 | 0.000 | 0.818 | 0.818 | 0.818 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.010 | 0.141 | 0.225 | 0.047 | 0.018 | 0.151 | 0.057 | 0.253 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n12 | Ant.0 | Front Side 10mm  | 0.115 | 0.172 | 0.062 | 0.055 | 0.023 | 0.287 | 0.170 | 0.200 |
|     |       | Back Side 10mm   | 0.171 | 0.248 | 0.141 | 0.085 | 0.034 | 0.419 | 0.256 | 0.346 |

|     |       |                  |       |       |       |       |       |       |       |       |
|-----|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Left Edge 10mm   | 0.080 | 0.000 | 0.000 | 0.000 | 0.000 | 0.080 | 0.080 | 0.080 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.058 | 0.000 | 0.000 | 0.000 | 0.000 | 0.058 | 0.058 | 0.058 |
| n26 | Ant.1 | Front Side 10mm  | 0.358 | 0.172 | 0.062 | 0.055 | 0.023 | 0.530 | 0.413 | 0.443 |
|     |       | Back Side 10mm   | 0.416 | 0.248 | 0.141 | 0.085 | 0.034 | 0.664 | 0.501 | 0.591 |
|     |       | Left Edge 10mm   | 0.648 | 0.000 | 0.000 | 0.000 | 0.000 | 0.648 | 0.648 | 0.648 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.010 | 0.141 | 0.225 | 0.047 | 0.018 | 0.151 | 0.057 | 0.253 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n26 | Ant.0 | Front Side 10mm  | 0.183 | 0.172 | 0.062 | 0.055 | 0.023 | 0.355 | 0.238 | 0.268 |
|     |       | Back Side 10mm   | 0.259 | 0.248 | 0.141 | 0.085 | 0.034 | 0.507 | 0.344 | 0.434 |
|     |       | Left Edge 10mm   | 0.097 | 0.000 | 0.000 | 0.000 | 0.000 | 0.097 | 0.097 | 0.097 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.175 | 0.175 | 0.175 |
| n66 | Ant.2 | Front Side 10mm  | 0.176 | 0.172 | 0.062 | 0.055 | 0.023 | 0.348 | 0.231 | 0.261 |
|     |       | Back Side 10mm   | 0.252 | 0.248 | 0.141 | 0.085 | 0.034 | 0.500 | 0.337 | 0.427 |
|     |       | Left Edge 10mm   | 0.092 | 0.000 | 0.000 | 0.000 | 0.000 | 0.092 | 0.092 | 0.092 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.345 | 0.141 | 0.225 | 0.047 | 0.018 | 0.486 | 0.392 | 0.588 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n66 | Ant.3 | Front Side 10mm  | 0.304 | 0.172 | 0.062 | 0.055 | 0.023 | 0.476 | 0.359 | 0.389 |
|     |       | Back Side 10mm   | 0.363 | 0.248 | 0.141 | 0.085 | 0.034 | 0.611 | 0.448 | 0.538 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.155 | 0.335 | 0.087 | 0.141 | 0.053 | 0.490 | 0.296 | 0.295 |
|     |       | Top Edge 10mm    | 0.583 | 0.141 | 0.225 | 0.047 | 0.018 | 0.724 | 0.630 | 0.826 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n66 | Ant.4 | Front Side 10mm  | 0.103 | 0.172 | 0.062 | 0.055 | 0.023 | 0.275 | 0.158 | 0.188 |
|     |       | Back Side 10mm   | 0.131 | 0.248 | 0.141 | 0.085 | 0.034 | 0.379 | 0.216 | 0.306 |
|     |       | Left Edge 10mm   | 0.210 | 0.000 | 0.000 | 0.000 | 0.000 | 0.210 | 0.210 | 0.210 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.041 | 0.141 | 0.225 | 0.047 | 0.018 | 0.182 | 0.088 | 0.284 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n66 | Ant.5 | Front Side 10mm  | 0.085 | 0.172 | 0.062 | 0.055 | 0.023 | 0.257 | 0.140 | 0.170 |
|     |       | Back Side 10mm   | 0.138 | 0.248 | 0.141 | 0.085 | 0.034 | 0.386 | 0.223 | 0.313 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.183 | 0.335 | 0.087 | 0.141 | 0.053 | 0.518 | 0.324 | 0.323 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n38 | Ant.2 | Front Side 10mm  | 0.098 | 0.172 | 0.062 | 0.055 | 0.023 | 0.270 | 0.153 | 0.183 |
|     |       | Back Side 10mm   | 0.155 | 0.248 | 0.141 | 0.085 | 0.034 | 0.403 | 0.240 | 0.330 |
|     |       | Left Edge 10mm   | 0.048 | 0.000 | 0.000 | 0.000 | 0.000 | 0.048 | 0.048 | 0.048 |

|     |       |                  |       |       |       |       |       |       |       |       |
|-----|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.164 | 0.141 | 0.225 | 0.047 | 0.018 | 0.305 | 0.211 | 0.407 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n38 | Ant.3 | Front Side 10mm  | 0.180 | 0.172 | 0.062 | 0.055 | 0.023 | 0.352 | 0.235 | 0.265 |
|     |       | Back Side 10mm   | 0.247 | 0.248 | 0.141 | 0.085 | 0.034 | 0.495 | 0.332 | 0.422 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.087 | 0.335 | 0.087 | 0.141 | 0.053 | 0.422 | 0.228 | 0.227 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.544 | 0.000 | 0.000 | 0.000 | 0.000 | 0.544 | 0.544 | 0.544 |
| n38 | Ant.4 | Front Side 10mm  | 0.091 | 0.172 | 0.062 | 0.055 | 0.023 | 0.263 | 0.146 | 0.176 |
|     |       | Back Side 10mm   | 0.161 | 0.248 | 0.141 | 0.085 | 0.034 | 0.409 | 0.246 | 0.336 |
|     |       | Left Edge 10mm   | 0.191 | 0.000 | 0.000 | 0.000 | 0.000 | 0.191 | 0.191 | 0.191 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.055 | 0.141 | 0.225 | 0.047 | 0.018 | 0.196 | 0.102 | 0.298 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n38 | Ant.5 | Front Side 10mm  | 0.106 | 0.172 | 0.062 | 0.055 | 0.023 | 0.278 | 0.161 | 0.191 |
|     |       | Back Side 10mm   | 0.186 | 0.248 | 0.141 | 0.085 | 0.034 | 0.434 | 0.271 | 0.361 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.288 | 0.335 | 0.087 | 0.141 | 0.053 | 0.623 | 0.429 | 0.428 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n41 | Ant.2 | Front Side 10mm  | 0.101 | 0.172 | 0.062 | 0.055 | 0.023 | 0.273 | 0.156 | 0.186 |
|     |       | Back Side 10mm   | 0.154 | 0.248 | 0.141 | 0.085 | 0.034 | 0.402 | 0.239 | 0.329 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.032 | 0.335 | 0.087 | 0.141 | 0.053 | 0.367 | 0.173 | 0.172 |
|     |       | Top Edge 10mm    | 0.168 | 0.141 | 0.225 | 0.047 | 0.018 | 0.309 | 0.215 | 0.411 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n41 | Ant.3 | Front Side 10mm  | 0.313 | 0.172 | 0.062 | 0.055 | 0.023 | 0.485 | 0.368 | 0.398 |
|     |       | Back Side 10mm   | 0.436 | 0.248 | 0.141 | 0.085 | 0.034 | 0.684 | 0.521 | 0.611 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.087 | 0.335 | 0.087 | 0.141 | 0.053 | 0.422 | 0.228 | 0.227 |
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.755 | 0.000 | 0.000 | 0.000 | 0.000 | 0.755 | 0.755 | 0.755 |
| n41 | Ant.4 | Front Side 10mm  | 0.066 | 0.172 | 0.062 | 0.055 | 0.023 | 0.238 | 0.121 | 0.151 |
|     |       | Back Side 10mm   | 0.121 | 0.248 | 0.141 | 0.085 | 0.034 | 0.369 | 0.206 | 0.296 |
|     |       | Left Edge 10mm   | 0.142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.142 | 0.142 | 0.142 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.044 | 0.141 | 0.225 | 0.047 | 0.018 | 0.185 | 0.091 | 0.287 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n41 | Ant.5 | Front Side 10mm  | 0.093 | 0.172 | 0.062 | 0.055 | 0.023 | 0.265 | 0.148 | 0.178 |
|     |       | Back Side 10mm   | 0.174 | 0.248 | 0.141 | 0.085 | 0.034 | 0.422 | 0.259 | 0.349 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.251 | 0.335 | 0.087 | 0.141 | 0.053 | 0.586 | 0.392 | 0.391 |

|     |       |                  |       |       |       |       |       |       |       |       |
|-----|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Top Edge 10mm    | 0.000 | 0.141 | 0.225 | 0.047 | 0.018 | 0.141 | 0.047 | 0.243 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n48 | Ant.6 | Front Side 10mm  | 0.161 | 0.172 | 0.062 | 0.055 | 0.023 | 0.333 | 0.216 | 0.246 |
|     |       | Back Side 10mm   | 0.307 | 0.248 | 0.141 | 0.085 | 0.034 | 0.555 | 0.392 | 0.482 |
|     |       | Left Edge 10mm   | 0.211 | 0.000 | 0.000 | 0.000 | 0.000 | 0.211 | 0.211 | 0.211 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.321 | 0.141 | 0.225 | 0.047 | 0.018 | 0.462 | 0.368 | 0.564 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.117 | 0.172 | 0.062 | 0.055 | 0.023 | 0.289 | 0.172 | 0.202 |
|     |       | Back Side 10mm   | 0.098 | 0.248 | 0.141 | 0.085 | 0.034 | 0.346 | 0.183 | 0.273 |
| n48 | Ant.7 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.037 | 0.335 | 0.087 | 0.141 | 0.053 | 0.372 | 0.178 | 0.177 |
|     |       | Top Edge 10mm    | 0.240 | 0.141 | 0.225 | 0.047 | 0.018 | 0.381 | 0.287 | 0.483 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.107 | 0.172 | 0.062 | 0.055 | 0.023 | 0.279 | 0.162 | 0.192 |
|     |       | Back Side 10mm   | 0.447 | 0.248 | 0.141 | 0.085 | 0.034 | 0.695 | 0.532 | 0.622 |
| n48 | Ant.8 | Left Edge 10mm   | 0.268 | 0.000 | 0.000 | 0.000 | 0.000 | 0.268 | 0.268 | 0.268 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.141 | 0.141 | 0.225 | 0.047 | 0.018 | 0.282 | 0.188 | 0.384 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.169 | 0.172 | 0.062 | 0.055 | 0.023 | 0.341 | 0.224 | 0.254 |
|     |       | Back Side 10mm   | 0.323 | 0.248 | 0.141 | 0.085 | 0.034 | 0.571 | 0.408 | 0.498 |
| n48 | Ant.9 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.462 | 0.335 | 0.087 | 0.141 | 0.053 | 0.797 | 0.603 | 0.602 |
|     |       | Top Edge 10mm    | 0.109 | 0.141 | 0.225 | 0.047 | 0.018 | 0.250 | 0.156 | 0.352 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.102 | 0.172 | 0.062 | 0.055 | 0.023 | 0.274 | 0.157 | 0.187 |
|     |       | Back Side 10mm   | 0.204 | 0.248 | 0.141 | 0.085 | 0.034 | 0.452 | 0.289 | 0.379 |
| n77 | Ant.6 | Left Edge 10mm   | 0.169 | 0.000 | 0.000 | 0.000 | 0.000 | 0.169 | 0.169 | 0.169 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.175 | 0.141 | 0.225 | 0.047 | 0.018 | 0.316 | 0.222 | 0.418 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.129 | 0.172 | 0.062 | 0.055 | 0.023 | 0.301 | 0.184 | 0.214 |
|     |       | Back Side 10mm   | 0.117 | 0.248 | 0.141 | 0.085 | 0.034 | 0.365 | 0.202 | 0.292 |
| n77 | Ant.7 | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.041 | 0.335 | 0.087 | 0.141 | 0.053 | 0.376 | 0.182 | 0.181 |
|     |       | Top Edge 10mm    | 0.310 | 0.141 | 0.225 | 0.047 | 0.018 | 0.451 | 0.357 | 0.553 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Front Side 10mm  | 0.083 | 0.172 | 0.062 | 0.055 | 0.023 | 0.255 | 0.138 | 0.168 |
|     |       | Back Side 10mm   | 0.306 | 0.248 | 0.141 | 0.085 | 0.034 | 0.554 | 0.391 | 0.481 |
| n77 | Ant.8 | Left Edge 10mm   | 0.116 | 0.000 | 0.000 | 0.000 | 0.000 | 0.116 | 0.116 | 0.116 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.064 | 0.141 | 0.225 | 0.047 | 0.018 | 0.205 | 0.111 | 0.307 |

|     |       |                  |       |       |       |       |       |       |       |       |
|-----|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n77 | Ant.9 | Front Side 10mm  | 0.116 | 0.172 | 0.062 | 0.055 | 0.023 | 0.288 | 0.171 | 0.201 |
|     |       | Back Side 10mm   | 0.166 | 0.248 | 0.141 | 0.085 | 0.034 | 0.414 | 0.251 | 0.341 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.169 | 0.335 | 0.087 | 0.141 | 0.053 | 0.504 | 0.310 | 0.309 |
|     |       | Top Edge 10mm    | 0.127 | 0.141 | 0.225 | 0.047 | 0.018 | 0.268 | 0.174 | 0.370 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n78 | Ant.6 | Front Side 10mm  | 0.075 | 0.172 | 0.062 | 0.055 | 0.023 | 0.247 | 0.130 | 0.160 |
|     |       | Back Side 10mm   | 0.147 | 0.248 | 0.141 | 0.085 | 0.034 | 0.395 | 0.232 | 0.322 |
|     |       | Left Edge 10mm   | 0.112 | 0.000 | 0.000 | 0.000 | 0.000 | 0.112 | 0.112 | 0.112 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.139 | 0.141 | 0.225 | 0.047 | 0.018 | 0.280 | 0.186 | 0.382 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n78 | Ant.7 | Front Side 10mm  | 0.098 | 0.172 | 0.062 | 0.055 | 0.023 | 0.270 | 0.153 | 0.183 |
|     |       | Back Side 10mm   | 0.084 | 0.248 | 0.141 | 0.085 | 0.034 | 0.332 | 0.169 | 0.259 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.036 | 0.335 | 0.087 | 0.141 | 0.053 | 0.371 | 0.177 | 0.176 |
|     |       | Top Edge 10mm    | 0.251 | 0.141 | 0.225 | 0.047 | 0.018 | 0.392 | 0.298 | 0.494 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n78 | Ant.8 | Front Side 10mm  | 0.095 | 0.172 | 0.062 | 0.055 | 0.023 | 0.267 | 0.150 | 0.180 |
|     |       | Back Side 10mm   | 0.564 | 0.248 | 0.141 | 0.085 | 0.034 | 0.812 | 0.649 | 0.739 |
|     |       | Left Edge 10mm   | 0.205 | 0.000 | 0.000 | 0.000 | 0.000 | 0.205 | 0.205 | 0.205 |
|     |       | Right Edge 10mm  | 0.000 | 0.335 | 0.087 | 0.141 | 0.053 | 0.335 | 0.141 | 0.140 |
|     |       | Top Edge 10mm    | 0.126 | 0.141 | 0.225 | 0.047 | 0.018 | 0.267 | 0.173 | 0.369 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| n78 | Ant.9 | Front Side 10mm  | 0.168 | 0.172 | 0.062 | 0.055 | 0.023 | 0.340 | 0.223 | 0.253 |
|     |       | Back Side 10mm   | 0.293 | 0.248 | 0.141 | 0.085 | 0.034 | 0.541 | 0.378 | 0.468 |
|     |       | Left Edge 10mm   | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
|     |       | Right Edge 10mm  | 0.280 | 0.335 | 0.087 | 0.141 | 0.053 | 0.615 | 0.421 | 0.420 |
|     |       | Top Edge 10mm    | 0.121 | 0.141 | 0.225 | 0.047 | 0.018 | 0.262 | 0.168 | 0.364 |
|     |       | Bottom Edge 10mm | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.980 W/Kg &lt; 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.8 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

| Band     | Antenna | Position        | Stand alone SAR |                  |                |                |                   |                   | SUM SAR |       |              |       |
|----------|---------|-----------------|-----------------|------------------|----------------|----------------|-------------------|-------------------|---------|-------|--------------|-------|
|          |         |                 | 1               | 2                | 3              | 4              | 5                 | 6                 |         |       |              |       |
|          |         |                 | WWAN            | 2.4GWIFI<br>Max. | 5GWIFI<br>Max. | 6GWIFI<br>Max. | Bluetooth<br>Max. | Bluetooth<br>Max. |         |       |              |       |
|          |         |                 | DSI3            | Level4           | Level4         | Level4         | LowPower1         | LowPower2         | 1+2     | 1+5   | 1+3+6        | 1+4+6 |
| WCDMA B2 | Ant.2   | Top Edge 0mm    | 2.536           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 3.267   | 2.877 | <b>3.274</b> | 2.957 |
| WCDMA B2 | Ant.3   | Bottom Edge 0mm | 2.209           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 2.209   | 2.209 | 2.209        | 2.209 |
| WCDMA B4 | Ant.2   | Front Side 0mm  | 1.304           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 1.775   | 1.479 | 1.619        | 1.519 |
|          |         | Back Side 0mm   | 1.015           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.582   | 1.257 | 1.310        | 1.308 |
|          |         | Top Edge 0mm    | 1.278           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.009   | 1.619 | 2.016        | 1.699 |
| WCDMA B4 | Ant.3   | Back Side 0mm   | 1.317           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.884   | 1.559 | 1.612        | 1.610 |
|          |         | Bottom Edge 0mm | 1.292           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.292   | 1.292 | 1.292        | 1.292 |
| WCDMA B4 | Ant.4   | Left Edge 0mm   | 1.187           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.187   | 1.187 | 1.187        | 1.187 |
| WCDMA B5 | Ant.1   | Left Edge 0mm   | 2.037           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 2.037   | 2.037 | 2.037        | 2.037 |
| LTE B2   | Ant.2   | Top Edge 0mm    | 2.252           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.983   | 2.593 | 2.990        | 2.673 |
| LTE B2   | Ant.3   | Bottom Edge 0mm | 1.984           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.984   | 1.984 | 1.984        | 1.984 |
| LTE B4   | Ant.2   | Front Side 0mm  | 1.636           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 2.107   | 1.811 | 1.951        | 1.851 |
|          |         | Back Side 0mm   | 1.143           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.710   | 1.385 | 1.438        | 1.436 |
|          |         | Top Edge 0mm    | 1.585           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.316   | 1.926 | 2.323        | 2.006 |
| LTE B4   | Ant.3   | Back Side 0mm   | 1.659           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 2.226   | 1.901 | 1.954        | 1.952 |
|          |         | Bottom Edge 0mm | 1.659           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.659   | 1.659 | 1.659        | 1.659 |
| LTE B4   | Ant.4   | Left Edge 0mm   | 1.426           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.426   | 1.426 | 1.426        | 1.426 |
| LTE B7   | Ant.2   | Front Side 0mm  | 1.379           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 1.850   | 1.554 | 1.694        | 1.594 |
|          |         | Back Side 0mm   | 0.885           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.452   | 1.127 | 1.180        | 1.178 |
|          |         | Top Edge 0mm    | 1.843           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.574   | 2.184 | 2.581        | 2.264 |
| LTE B7   | Ant.3   | Front Side 0mm  | 1.515           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 1.986   | 1.690 | 1.830        | 1.730 |
|          |         | Back Side 0mm   | 1.264           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.831   | 1.506 | 1.559        | 1.557 |
|          |         | Bottom Edge 0mm | 1.446           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.446   | 1.446 | 1.446        | 1.446 |
| LTE B7   | Ant.4   | Left Edge 0mm   | 0.979           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 0.979   | 0.979 | 0.979        | 0.979 |
| LTE B66  | Ant.2   | Front Side 0mm  | 1.983           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 2.454   | 2.158 | 2.298        | 2.198 |
|          |         | Back Side 0mm   | 1.099           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.666   | 1.341 | 1.394        | 1.392 |
|          |         | Top Edge 0mm    | 2.122           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.853   | 2.463 | 2.860        | 2.543 |
| LTE B66  | Ant.3   | Front Side 0mm  | 1.595           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 2.066   | 1.770 | 1.910        | 1.810 |
|          |         | Back Side 0mm   | 1.928           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 2.495   | 2.170 | 2.223        | 2.221 |
|          |         | Bottom Edge 0mm | 1.637           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.637   | 1.637 | 1.637        | 1.637 |
| LTE B66  | Ant.4   | Left Edge 0mm   | 1.849           | 0.000            | 0.000          | 0.000          | 0.000             | 0.000             | 1.849   | 1.849 | 1.849        | 1.849 |
| LTE B38  | Ant.2   | Front Side 0mm  | 1.339           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 1.810   | 1.514 | 1.654        | 1.554 |
|          |         | Back Side 0mm   | 0.752           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.319   | 0.994 | 1.047        | 1.045 |
|          |         | Top Edge 0mm    | 1.640           | 0.731            | 0.611          | 0.294          | 0.341             | 0.127             | 2.371   | 1.981 | 2.378        | 2.061 |
| LTE B41  | Ant.2   | Front Side 0mm  | 1.325           | 0.471            | 0.245          | 0.145          | 0.175             | 0.070             | 1.796   | 1.500 | 1.640        | 1.540 |
|          |         | Back Side 0mm   | 0.841           | 0.567            | 0.200          | 0.198          | 0.242             | 0.095             | 1.408   | 1.083 | 1.136        | 1.134 |

|         |       |                 |       |       |       |       |       |       |       |       |       |       |
|---------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |       | Top Edge 0mm    | 1.347 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.078 | 1.688 | 2.085 | 1.768 |
| LTE B42 | Ant.6 | Front Side 0mm  | 0.486 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 0.957 | 0.661 | 0.801 | 0.701 |
|         |       | Back Side 0mm   | 0.594 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.161 | 0.836 | 0.889 | 0.887 |
|         |       | Left Edge 0mm   | 0.692 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.692 | 0.692 | 0.692 | 0.692 |
|         |       | Top Edge 0mm    | 0.758 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 1.489 | 1.099 | 1.496 | 1.179 |
| LTE B42 | Ant.7 | Front Side 0mm  | 0.554 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.025 | 0.729 | 0.869 | 0.769 |
| n2      | Ant.2 | Front Side 0mm  | 1.368 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.839 | 1.543 | 1.683 | 1.583 |
|         |       | Back Side 0mm   | 0.678 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.245 | 0.920 | 0.973 | 0.971 |
|         |       | Top Edge 0mm    | 1.750 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.481 | 2.091 | 2.488 | 2.171 |
| n2      | Ant.3 | Bottom Edge 0mm | 2.176 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.176 | 2.176 | 2.176 | 2.176 |
| n7      | Ant.2 | Front Side 0mm  | 0.947 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.418 | 1.122 | 1.262 | 1.162 |
|         |       | Back Side 0mm   | 0.355 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 0.922 | 0.597 | 0.650 | 0.648 |
|         |       | Top Edge 0mm    | 1.506 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.237 | 1.847 | 2.244 | 1.927 |
| n7      | Ant.3 | Front Side 0mm  | 1.003 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.474 | 1.178 | 1.318 | 1.218 |
|         |       | Back Side 0mm   | 1.036 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.603 | 1.278 | 1.331 | 1.329 |
|         |       | Bottom Edge 0mm | 1.374 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.374 | 1.374 | 1.374 | 1.374 |
| n66     | Ant.2 | Front Side 0mm  | 1.783 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 2.254 | 1.958 | 2.098 | 1.998 |
|         |       | Back Side 0mm   | 0.958 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.525 | 1.200 | 1.253 | 1.251 |
|         |       | Top Edge 0mm    | 1.940 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.671 | 2.281 | 2.678 | 2.361 |
| n66     | Ant.3 | Bottom Edge 0mm | 1.836 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.836 | 1.836 | 1.836 | 1.836 |
| n66     | Ant.4 | Left Edge 0mm   | 1.644 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.644 | 1.644 | 1.644 | 1.644 |
| n38     | Ant.2 | Front Side 0mm  | 1.626 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 2.097 | 1.801 | 1.941 | 1.841 |
|         |       | Back Side 0mm   | 1.799 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 2.366 | 2.041 | 2.094 | 2.092 |
|         |       | Top Edge 0mm    | 2.481 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 3.212 | 2.822 | 3.219 | 2.902 |
| n38     | Ant.3 | Front Side 0mm  | 0.867 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.338 | 1.042 | 1.182 | 1.082 |
|         |       | Back Side 0mm   | 0.738 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.305 | 0.980 | 1.033 | 1.031 |
|         |       | Bottom Edge 0mm | 1.214 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.214 | 1.214 | 1.214 | 1.214 |
| n38     | Ant.4 | Left Edge 0mm   | 0.868 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.868 | 0.868 | 0.868 | 0.868 |
| n41     | Ant.2 | Front Side 0mm  | 1.096 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.567 | 1.271 | 1.411 | 1.311 |
|         |       | Back Side 0mm   | 0.693 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.260 | 0.935 | 0.988 | 0.986 |
|         |       | Top Edge 0mm    | 2.191 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.922 | 2.532 | 2.929 | 2.612 |
| n41     | Ant.3 | Bottom Edge 0mm | 0.961 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.961 | 0.961 | 0.961 | 0.961 |
| n41     | Ant.4 | Left Edge 0mm   | 1.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.013 | 1.013 | 1.013 | 1.013 |
| n48     | Ant.6 | Back Side 0mm   | 1.363 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.930 | 1.605 | 1.658 | 1.656 |
|         |       | Left Edge 0mm   | 1.725 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.725 | 1.725 | 1.725 | 1.725 |
|         |       | Top Edge 0mm    | 1.956 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.687 | 2.297 | 2.694 | 2.377 |
| n48     | Ant.7 | Top Edge 0mm    | 1.863 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.594 | 2.204 | 2.601 | 2.284 |
| n77     | Ant.6 | Front Side 0mm  | 0.884 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.355 | 1.059 | 1.199 | 1.099 |
|         |       | Back Side 0mm   | 0.565 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.132 | 0.807 | 0.860 | 0.858 |
|         |       | Left Edge 0mm   | 1.481 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.481 | 1.481 | 1.481 | 1.481 |
|         |       | Top Edge 0mm    | 1.288 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.019 | 1.629 | 2.026 | 1.709 |
| n77     | Ant.7 | Front Side 0mm  | 0.650 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.121 | 0.825 | 0.965 | 0.865 |
|         |       | Back Side 0mm   | 0.220 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 0.787 | 0.462 | 0.515 | 0.513 |

|     |       |                |       |       |       |       |       |       |       |       |       |       |
|-----|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |       | Top Edge 0mm   | 1.797 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.528 | 2.138 | 2.535 | 2.218 |
| n77 | Ant.8 | Back Side 0mm  | 0.526 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.093 | 0.768 | 0.821 | 0.819 |
| n78 | Ant.6 | Front Side 0mm | 0.677 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.148 | 0.852 | 0.992 | 0.892 |
|     |       | Back Side 0mm  | 0.359 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 0.926 | 0.601 | 0.654 | 0.652 |
|     |       | Left Edge 0mm  | 1.236 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.236 | 1.236 | 1.236 | 1.236 |
|     |       | Top Edge 0mm   | 1.007 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 1.738 | 1.348 | 1.745 | 1.428 |
| n78 | Ant.7 | Front Side 0mm | 0.552 | 0.471 | 0.245 | 0.145 | 0.175 | 0.070 | 1.023 | 0.727 | 0.867 | 0.767 |
|     |       | Back Side 0mm  | 0.162 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 0.729 | 0.404 | 0.457 | 0.455 |
|     |       | Top Edge 0mm   | 1.350 | 0.731 | 0.611 | 0.294 | 0.341 | 0.127 | 2.081 | 1.691 | 2.088 | 1.771 |
| n78 | Ant.8 | Back Side 0mm  | 0.569 | 0.567 | 0.200 | 0.198 | 0.242 | 0.095 | 1.136 | 0.811 | 0.864 | 0.862 |

Note:

- 1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.
- 2: The highest Summed 10g SAR is 3.274 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

## 13.2.9 Head Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

| Band      | LTE<br><br>Antenna | 4G             |                             | ENDC                        | NR<br><br>Antenna | SA            |                            | ENDC                       | Position    | Stand alone SAR |               |                      |                      |                    |                    |                       |                       | SUM SAR |       |       |       |
|-----------|--------------------|----------------|-----------------------------|-----------------------------|-------------------|---------------|----------------------------|----------------------------|-------------|-----------------|---------------|----------------------|----------------------|--------------------|--------------------|-----------------------|-----------------------|---------|-------|-------|-------|
|           |                    | LTE<br><br>SAR | LTE<br><br>Max<br><br>Power | LTE<br><br>Max<br><br>Power |                   | NR<br><br>SAR | NR<br><br>Max<br><br>Power | NR<br><br>Max<br><br>Power |             | LTE<br><br>SAR  | NR<br><br>SAR | 1                    | 2                    | 3                  | 4                  | 5                     | 6                     | 1+2     | 1+5   | 1+3+6 | 1+4+6 |
|           |                    |                |                             |                             |                   |               |                            |                            |             |                 |               | ENDC<br><br>(LTE+NR) | 2.4GWIFI<br><br>Max. | 5GWIFI<br><br>Max. | 6GWIFI<br><br>Max. | Bluetooth<br><br>Max. | Bluetooth<br><br>Max. |         |       |       |       |
|           |                    |                |                             |                             |                   |               |                            |                            |             |                 |               | DSI1                 | DSI1                 | DSI1               | Level2             | Level2                | Level2                |         |       |       |       |
| DC_7A+n5A | Ant.2              | 0.477          | 17.00                       | 14.50                       | Ant.0             | 0.213         | 25.50                      | 25.50                      | Left Cheek  | 0.268           | 0.213         | 0.481                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 0.879   | 0.804 | 0.909 | 0.777 |
|           |                    | 0.455          | 17.00                       | 14.50                       |                   | 0.139         | 25.50                      | 25.50                      | Left Tilt   | 0.256           | 0.139         | 0.395                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.671   | 0.587 | 0.932 | 0.686 |
|           |                    | 1.077          | 17.00                       | 14.50                       |                   | 0.180         | 25.50                      | 25.50                      | Right Cheek | 0.606           | 0.180         | 0.786                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.933   | 0.905 | 1.009 | 0.931 |
|           |                    | 0.794          | 17.00                       | 14.50                       |                   | 0.107         | 25.50                      | 25.50                      | Right Tilt  | 0.446           | 0.107         | 0.553                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.705   | 0.645 | 0.795 | 0.700 |
| DC_7A+n5A | Ant.3              | 0.248          | 25.00                       | 25.00                       | Ant.0             | 0.213         | 25.50                      | 25.50                      | Left Cheek  | 0.248           | 0.213         | 0.461                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 0.859   | 0.784 | 0.889 | 0.757 |
|           |                    | 0.148          | 25.00                       | 25.00                       |                   | 0.139         | 25.50                      | 25.50                      | Left Tilt   | 0.148           | 0.139         | 0.287                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.563   | 0.479 | 0.824 | 0.578 |
|           |                    | 0.211          | 25.00                       | 25.00                       |                   | 0.180         | 25.50                      | 25.50                      | Right Cheek | 0.211           | 0.180         | 0.391                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.538   | 0.510 | 0.614 | 0.536 |
|           |                    | 0.123          | 25.00                       | 25.00                       |                   | 0.107         | 25.50                      | 25.50                      | Right Tilt  | 0.123           | 0.107         | 0.230                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.382   | 0.322 | 0.472 | 0.377 |
| DC_7A+n5A | Ant.4              | 0.250          | 17.00                       | 14.00                       | Ant.0             | 0.213         | 25.50                      | 25.50                      | Left Cheek  | 0.125           | 0.213         | 0.338                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 0.736   | 0.661 | 0.766 | 0.634 |
|           |                    | 0.175          | 17.00                       | 14.00                       |                   | 0.139         | 25.50                      | 25.50                      | Left Tilt   | 0.088           | 0.139         | 0.227                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.503   | 0.419 | 0.764 | 0.518 |
|           |                    | 0.798          | 17.00                       | 14.00                       |                   | 0.180         | 25.50                      | 25.50                      | Right Cheek | 0.400           | 0.180         | 0.580                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.727   | 0.699 | 0.803 | 0.725 |
|           |                    | 0.369          | 17.00                       | 14.00                       |                   | 0.107         | 25.50                      | 25.50                      | Right Tilt  | 0.185           | 0.107         | 0.292                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.444   | 0.384 | 0.534 | 0.439 |
| DC_7A+n5A | Ant.5              | 0.795          | 21.00                       | 18.00                       | Ant.0             | 0.213         | 25.50                      | 25.50                      | Left Cheek  | 0.398           | 0.213         | 0.611                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 1.009   | 0.934 | 1.039 | 0.907 |
|           |                    | 0.310          | 21.00                       | 18.00                       |                   | 0.139         | 25.50                      | 25.50                      | Left Tilt   | 0.155           | 0.139         | 0.294                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.570   | 0.486 | 0.831 | 0.585 |
|           |                    | 0.669          | 21.00                       | 18.00                       |                   | 0.180         | 25.50                      | 25.50                      | Right Cheek | 0.335           | 0.180         | 0.515                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.662   | 0.634 | 0.738 | 0.660 |
|           |                    | 0.151          | 21.00                       | 18.00                       |                   | 0.107         | 25.50                      | 25.50                      | Right Tilt  | 0.076           | 0.107         | 0.183                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.335   | 0.275 | 0.425 | 0.330 |
| DC_7A+n5A | Ant.2              | 0.477          | 17.00                       | 14.50                       | Ant.1             | 0.789         | 24.00                      | 22.00                      | Left Cheek  | 0.268           | 0.498         | 0.766                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 1.164   | 1.089 | 1.194 | 1.062 |
|           |                    | 0.455          | 17.00                       | 14.50                       |                   | 0.112         | 24.00                      | 22.00                      | Left Tilt   | 0.256           | 0.071         | 0.327                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.603   | 0.519 | 0.864 | 0.618 |
|           |                    | 1.077          | 17.00                       | 14.50                       |                   | 0.487         | 24.00                      | 22.00                      | Right Cheek | 0.606           | 0.307         | 0.913                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 1.060   | 1.032 | 1.136 | 1.058 |
|           |                    | 0.794          | 17.00                       | 14.50                       |                   | 0.080         | 24.00                      | 22.00                      | Right Tilt  | 0.446           | 0.050         | 0.497                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.649   | 0.589 | 0.739 | 0.644 |
| DC_7A+n5A | Ant.3              | 0.248          | 25.00                       | 25.00                       | Ant.1             | 0.789         | 24.00                      | 22.00                      | Left Cheek  | 0.248           | 0.498         | 0.746                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 1.144   | 1.069 | 1.174 | 1.042 |
|           |                    | 0.148          | 25.00                       | 25.00                       |                   | 0.112         | 24.00                      | 22.00                      | Left Tilt   | 0.148           | 0.071         | 0.219                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.495   | 0.411 | 0.756 | 0.510 |
|           |                    | 0.211          | 25.00                       | 25.00                       |                   | 0.487         | 24.00                      | 22.00                      | Right Cheek | 0.211           | 0.307         | 0.518                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.665   | 0.637 | 0.741 | 0.663 |
|           |                    | 0.123          | 25.00                       | 25.00                       |                   | 0.080         | 24.00                      | 22.00                      | Right Tilt  | 0.123           | 0.050         | 0.173                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.325   | 0.265 | 0.415 | 0.320 |
| DC_7A+n5A | Ant.4              | 0.250          | 17.00                       | 14.00                       | Ant.1             | 0.789         | 24.00                      | 22.00                      | Left Cheek  | 0.125           | 0.498         | 0.623                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 1.021   | 0.946 | 1.051 | 0.919 |
|           |                    | 0.175          | 17.00                       | 14.00                       |                   | 0.112         | 24.00                      | 22.00                      | Left Tilt   | 0.088           | 0.071         | 0.158                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.434   | 0.350 | 0.695 | 0.449 |
|           |                    | 0.798          | 17.00                       | 14.00                       |                   | 0.487         | 24.00                      | 22.00                      | Right Cheek | 0.400           | 0.307         | 0.707                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.854   | 0.826 | 0.930 | 0.852 |
|           |                    | 0.369          | 17.00                       | 14.00                       |                   | 0.080         | 24.00                      | 22.00                      | Right Tilt  | 0.185           | 0.050         | 0.235                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.387   | 0.327 | 0.477 | 0.382 |
| DC_7A+n5A | Ant.5              | 0.795          | 21.00                       | 18.00                       | Ant.1             | 0.789         | 24.00                      | 22.00                      | Left Cheek  | 0.398           | 0.498         | 0.896                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 1.294   | 1.219 | 1.324 | 1.192 |
|           |                    | 0.310          | 21.00                       | 18.00                       |                   | 0.112         | 24.00                      | 22.00                      | Left Tilt   | 0.155           | 0.071         | 0.226                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.502   | 0.418 | 0.763 | 0.517 |
|           |                    | 0.669          | 21.00                       | 18.00                       |                   | 0.487         | 24.00                      | 22.00                      | Right Cheek | 0.335           | 0.307         | 0.643                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.790   | 0.762 | 0.866 | 0.788 |
|           |                    | 0.151          | 21.00                       | 18.00                       |                   | 0.080         | 24.00                      | 22.00                      | Right Tilt  | 0.076           | 0.050         | 0.126                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.278   | 0.218 | 0.368 | 0.273 |
| DC_4A+n7A | Ant.3              | 0.333          | 25.50                       | 25.50                       | Ant.2             | 0.358         | 17.00                      | 15.50                      | Left Cheek  | 0.333           | 0.253         | 0.586                | 0.398                | 0.290              | 0.158              | 0.323                 | 0.138                 | 0.984   | 0.909 | 1.014 | 0.882 |
|           |                    | 0.083          | 25.50                       | 25.50                       |                   | 0.328         | 17.00                      | 15.50                      | Left Tilt   | 0.083           | 0.232         | 0.315                | 0.276                | 0.462              | 0.216              | 0.192                 | 0.075                 | 0.591   | 0.507 | 0.852 | 0.606 |
|           |                    | 0.264          | 25.50                       | 25.50                       |                   | 0.746         | 17.00                      | 15.50                      | Right Cheek | 0.264           | 0.528         | 0.792                | 0.147                | 0.172              | 0.094              | 0.119                 | 0.051                 | 0.939   | 0.911 | 1.015 | 0.937 |
|           |                    | 0.066          | 25.50                       | 25.50                       |                   | 0.581         | 17.00                      | 15.50                      | Right Tilt  | 0.066           | 0.411         | 0.477                | 0.152                | 0.206              | 0.111              | 0.092                 | 0.036                 | 0.629   | 0.569 | 0.719 | 0.624 |

|           |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DC_4A+n7A | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.078 | 0.253 | 0.331 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.729 | 0.654 | 0.759 | 0.627 |
|           |       | 0.116 | 20.50 | 15.50 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.037 | 0.232 | 0.269 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.545 | 0.461 | 0.806 | 0.560 |
|           |       | 0.946 | 20.50 | 15.50 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.299 | 0.528 | 0.827 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.974 | 0.946 | 1.050 | 0.972 |
|           |       | 0.283 | 20.50 | 15.50 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.089 | 0.411 | 0.501 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.653 | 0.593 | 0.743 | 0.648 |
| DC_4A+n7A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.431 | 0.253 | 0.684 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.082 | 1.007 | 1.112 | 0.980 |
|           |       | 0.100 | 24.00 | 24.00 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.100 | 0.232 | 0.332 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.608 | 0.524 | 0.869 | 0.623 |
|           |       | 0.216 | 24.00 | 24.00 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.216 | 0.528 | 0.744 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.891 | 0.863 | 0.967 | 0.889 |
|           |       | 0.043 | 24.00 | 24.00 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.043 | 0.411 | 0.454 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.606 | 0.546 | 0.696 | 0.601 |
| DC_4A+n7A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.277 | 0.153 | 0.430 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.828 | 0.753 | 0.858 | 0.726 |
|           |       | 0.635 | 17.00 | 14.00 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.318 | 0.137 | 0.455 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.731 | 0.647 | 0.992 | 0.746 |
|           |       | 0.943 | 17.00 | 14.00 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.473 | 0.137 | 0.610 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.757 | 0.729 | 0.833 | 0.755 |
|           |       | 0.765 | 17.00 | 14.00 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.383 | 0.104 | 0.487 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.639 | 0.579 | 0.729 | 0.634 |
| DC_4A+n7A | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.078 | 0.153 | 0.231 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.629 | 0.554 | 0.659 | 0.527 |
|           |       | 0.116 | 20.50 | 15.50 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.037 | 0.137 | 0.174 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.450 | 0.366 | 0.711 | 0.465 |
|           |       | 0.946 | 20.50 | 15.50 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.299 | 0.137 | 0.436 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.583 | 0.555 | 0.659 | 0.581 |
|           |       | 0.283 | 20.50 | 15.50 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.089 | 0.104 | 0.193 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.345 | 0.285 | 0.435 | 0.340 |
| DC_4A+n7A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.431 | 0.153 | 0.584 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.982 | 0.907 | 1.012 | 0.880 |
|           |       | 0.100 | 24.00 | 24.00 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.100 | 0.137 | 0.237 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.513 | 0.429 | 0.774 | 0.528 |
|           |       | 0.216 | 24.00 | 24.00 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.216 | 0.137 | 0.353 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.500 | 0.472 | 0.576 | 0.498 |
|           |       | 0.043 | 24.00 | 24.00 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.043 | 0.104 | 0.147 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.299 | 0.239 | 0.389 | 0.294 |
| DC_4A+n7A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.277 | 0.129 | 0.406 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.804 | 0.729 | 0.834 | 0.702 |
|           |       | 0.635 | 17.00 | 14.00 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.318 | 0.091 | 0.409 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.685 | 0.601 | 0.946 | 0.700 |
|           |       | 0.943 | 17.00 | 14.00 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.473 | 0.448 | 0.921 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.068 | 1.040 | 1.144 | 1.066 |
|           |       | 0.765 | 17.00 | 14.00 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.383 | 0.192 | 0.575 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.727 | 0.667 | 0.817 | 0.722 |
| DC_4A+n7A | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.333 | 0.129 | 0.462 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.860 | 0.785 | 0.890 | 0.758 |
|           |       | 0.083 | 25.50 | 25.50 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.083 | 0.091 | 0.174 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.450 | 0.366 | 0.711 | 0.465 |
|           |       | 0.264 | 25.50 | 25.50 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.264 | 0.448 | 0.712 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.859 | 0.831 | 0.935 | 0.857 |
|           |       | 0.066 | 25.50 | 25.50 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.066 | 0.192 | 0.258 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.410 | 0.350 | 0.500 | 0.405 |
| DC_4A+n7A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.431 | 0.129 | 0.560 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.958 | 0.883 | 0.988 | 0.856 |
|           |       | 0.100 | 24.00 | 24.00 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.100 | 0.091 | 0.191 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.467 | 0.383 | 0.728 | 0.482 |
|           |       | 0.216 | 24.00 | 24.00 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.216 | 0.448 | 0.664 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.811 | 0.783 | 0.887 | 0.809 |
|           |       | 0.043 | 24.00 | 24.00 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.043 | 0.192 | 0.235 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.387 | 0.327 | 0.477 | 0.382 |
| DC_4A+n7A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.277 | 0.324 | 0.601 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.999 | 0.924 | 1.029 | 0.897 |
|           |       | 0.635 | 17.00 | 14.00 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.318 | 0.125 | 0.443 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.719 | 0.635 | 0.980 | 0.734 |
|           |       | 0.943 | 17.00 | 14.00 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.473 | 0.275 | 0.748 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.895 | 0.867 | 0.971 | 0.893 |
|           |       | 0.765 | 17.00 | 14.00 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.383 | 0.061 | 0.445 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.597 | 0.537 | 0.687 | 0.592 |
| DC_4A+n7A | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.333 | 0.324 | 0.657 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.055 | 0.980 | 1.085 | 0.953 |
|           |       | 0.083 | 25.50 | 25.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.083 | 0.125 | 0.208 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.484 | 0.400 | 0.745 | 0.499 |
|           |       | 0.264 | 25.50 | 25.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.264 | 0.275 | 0.539 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.686 | 0.658 | 0.762 | 0.684 |
|           |       | 0.066 | 25.50 | 25.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.066 | 0.061 | 0.127 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.279 | 0.219 | 0.369 | 0.274 |
| DC_4A+n7A | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.078 | 0.324 | 0.402 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.800 | 0.725 | 0.830 | 0.698 |
|           |       | 0.116 | 20.50 | 15.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.037 | 0.125 | 0.162 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.438 | 0.354 | 0.699 | 0.453 |
|           |       | 0.946 | 20.50 | 15.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.299 | 0.275 | 0.574 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.721 | 0.693 | 0.797 | 0.719 |

|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |       | 0.283 | 20.50 | 15.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.089 | 0.061 | 0.151 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.303 | 0.243 | 0.393 | 0.298 |
| DC_5A+n7A  | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.276 | 0.253 | 0.529 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.927 | 0.852 | 0.957 | 0.825 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.162 | 0.232 | 0.394 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.670 | 0.586 | 0.931 | 0.685 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.212 | 0.528 | 0.740 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.887 | 0.859 | 0.963 | 0.885 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.128 | 0.411 | 0.539 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.691 | 0.631 | 0.781 | 0.686 |
| DC_5A+n7A  | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.397 | 0.253 | 0.650 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.048 | 0.973 | 1.078 | 0.946 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.038 | 0.232 | 0.270 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.546 | 0.462 | 0.807 | 0.561 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.203 | 0.528 | 0.731 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.878 | 0.850 | 0.954 | 0.876 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.034 | 0.411 | 0.445 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.597 | 0.537 | 0.687 | 0.592 |
| DC_5A+n7A  | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.276 | 0.153 | 0.429 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.827 | 0.752 | 0.857 | 0.725 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.162 | 0.137 | 0.299 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.575 | 0.491 | 0.836 | 0.590 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.212 | 0.137 | 0.349 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.496 | 0.468 | 0.572 | 0.494 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.128 | 0.104 | 0.232 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.384 | 0.324 | 0.474 | 0.379 |
| DC_5A+n7A  | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.397 | 0.153 | 0.550 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.948 | 0.873 | 0.978 | 0.846 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.038 | 0.137 | 0.175 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.451 | 0.367 | 0.712 | 0.466 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.203 | 0.137 | 0.340 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.487 | 0.459 | 0.563 | 0.485 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.034 | 0.104 | 0.138 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.290 | 0.230 | 0.380 | 0.285 |
| DC_5A+n7A  | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.276 | 0.129 | 0.405 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.803 | 0.728 | 0.833 | 0.701 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.162 | 0.091 | 0.253 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.529 | 0.445 | 0.790 | 0.544 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.212 | 0.448 | 0.660 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.807 | 0.779 | 0.883 | 0.805 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.128 | 0.192 | 0.320 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.472 | 0.412 | 0.562 | 0.467 |
| DC_5A+n7A  | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.397 | 0.129 | 0.526 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.924 | 0.849 | 0.954 | 0.822 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.038 | 0.091 | 0.129 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.405 | 0.321 | 0.666 | 0.420 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.203 | 0.448 | 0.651 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.798 | 0.770 | 0.874 | 0.796 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.034 | 0.192 | 0.226 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.378 | 0.318 | 0.468 | 0.373 |
| DC_5A+n7A  | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.276 | 0.324 | 0.600 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.998 | 0.923 | 1.028 | 0.896 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.162 | 0.125 | 0.287 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.563 | 0.479 | 0.824 | 0.578 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.212 | 0.275 | 0.487 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.634 | 0.606 | 0.710 | 0.632 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.128 | 0.061 | 0.189 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.341 | 0.281 | 0.431 | 0.336 |
| DC_5A+n7A  | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.397 | 0.324 | 0.721 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.119 | 1.044 | 1.149 | 1.017 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.038 | 0.125 | 0.163 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.439 | 0.355 | 0.700 | 0.454 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.203 | 0.275 | 0.478 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.625 | 0.597 | 0.701 | 0.623 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.034 | 0.061 | 0.095 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.247 | 0.187 | 0.337 | 0.242 |
| DC_66A+n7A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.329 | 0.253 | 0.582 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.980 | 0.905 | 1.010 | 0.878 |
|            |       | 0.111 | 25.50 | 25.50 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.111 | 0.232 | 0.343 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.619 | 0.535 | 0.880 | 0.634 |
|            |       | 0.260 | 25.50 | 25.50 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.260 | 0.528 | 0.788 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.935 | 0.907 | 1.011 | 0.933 |
|            |       | 0.088 | 25.50 | 25.50 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.088 | 0.411 | 0.499 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.651 | 0.591 | 0.741 | 0.646 |
| DC_66A+n7A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.108 | 0.253 | 0.361 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.759 | 0.684 | 0.789 | 0.657 |
|            |       | 0.140 | 20.00 | 15.50 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.050 | 0.232 | 0.282 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.558 | 0.474 | 0.819 | 0.573 |
|            |       | 0.999 | 20.00 | 15.50 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.354 | 0.528 | 0.883 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.030 | 1.002 | 1.106 | 1.028 |
|            |       | 0.347 | 20.00 | 15.50 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.123 | 0.411 | 0.534 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.686 | 0.626 | 0.776 | 0.681 |
| DC_66A+n7A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.2 | 0.358 | 17.00 | 15.50 | Left Cheek  | 0.440 | 0.253 | 0.693 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.091 | 1.016 | 1.121 | 0.989 |
|            |       | 0.103 | 24.00 | 24.00 |       | 0.328 | 17.00 | 15.50 | Left Tilt   | 0.103 | 0.232 | 0.335 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.611 | 0.527 | 0.872 | 0.626 |

|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |       | 0.221 | 24.00 | 24.00 |       | 0.746 | 17.00 | 15.50 | Right Cheek | 0.221 | 0.528 | 0.749 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.896 | 0.868 | 0.972 | 0.894 |
|            |       | 0.045 | 24.00 | 24.00 |       | 0.581 | 17.00 | 15.50 | Right Tilt  | 0.045 | 0.411 | 0.456 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.608 | 0.548 | 0.698 | 0.603 |
| DC_66A+n7A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.231 | 0.153 | 0.384 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.782 | 0.707 | 0.812 | 0.680 |
|            |       | 0.581 | 17.50 | 14.00 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.260 | 0.137 | 0.397 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.673 | 0.589 | 0.934 | 0.688 |
|            |       | 0.872 | 17.50 | 14.00 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.390 | 0.137 | 0.527 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.674 | 0.646 | 0.750 | 0.672 |
|            |       | 0.719 | 17.50 | 14.00 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.321 | 0.104 | 0.425 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.577 | 0.517 | 0.667 | 0.572 |
|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
| DC_66A+n7A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.108 | 0.153 | 0.261 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.659 | 0.584 | 0.689 | 0.557 |
|            |       | 0.140 | 20.00 | 15.50 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.050 | 0.137 | 0.187 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.463 | 0.379 | 0.724 | 0.478 |
|            |       | 0.999 | 20.00 | 15.50 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.354 | 0.137 | 0.491 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.638 | 0.610 | 0.714 | 0.636 |
|            |       | 0.347 | 20.00 | 15.50 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.123 | 0.104 | 0.227 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.379 | 0.319 | 0.469 | 0.374 |
| DC_66A+n7A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.3 | 0.153 | 25.50 | 25.50 | Left Cheek  | 0.440 | 0.153 | 0.593 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.991 | 0.916 | 1.021 | 0.889 |
|            |       | 0.103 | 24.00 | 24.00 |       | 0.137 | 25.50 | 25.50 | Left Tilt   | 0.103 | 0.137 | 0.240 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.516 | 0.432 | 0.777 | 0.531 |
|            |       | 0.221 | 24.00 | 24.00 |       | 0.137 | 25.50 | 25.50 | Right Cheek | 0.221 | 0.137 | 0.358 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.505 | 0.477 | 0.581 | 0.503 |
|            |       | 0.045 | 24.00 | 24.00 |       | 0.104 | 25.50 | 25.50 | Right Tilt  | 0.045 | 0.104 | 0.149 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.301 | 0.241 | 0.391 | 0.296 |
| DC_66A+n7A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.231 | 0.129 | 0.361 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.759 | 0.684 | 0.789 | 0.657 |
|            |       | 0.581 | 17.50 | 14.00 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.260 | 0.091 | 0.350 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.626 | 0.542 | 0.887 | 0.641 |
|            |       | 0.872 | 17.50 | 14.00 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.390 | 0.448 | 0.837 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.984 | 0.956 | 1.060 | 0.982 |
|            |       | 0.719 | 17.50 | 14.00 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.321 | 0.192 | 0.513 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.665 | 0.605 | 0.755 | 0.660 |
| DC_66A+n7A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.329 | 0.129 | 0.458 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.856 | 0.781 | 0.886 | 0.754 |
|            |       | 0.111 | 25.50 | 25.50 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.111 | 0.091 | 0.202 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.478 | 0.394 | 0.739 | 0.493 |
|            |       | 0.260 | 25.50 | 25.50 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.260 | 0.448 | 0.708 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.855 | 0.827 | 0.931 | 0.853 |
|            |       | 0.088 | 25.50 | 25.50 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.088 | 0.192 | 0.280 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.432 | 0.372 | 0.522 | 0.427 |
| DC_66A+n7A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.4 | 0.205 | 16.50 | 14.50 | Left Cheek  | 0.440 | 0.129 | 0.569 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.967 | 0.892 | 0.997 | 0.865 |
|            |       | 0.103 | 24.00 | 24.00 |       | 0.144 | 16.50 | 14.50 | Left Tilt   | 0.103 | 0.091 | 0.194 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.470 | 0.386 | 0.731 | 0.485 |
|            |       | 0.221 | 24.00 | 24.00 |       | 0.710 | 16.50 | 14.50 | Right Cheek | 0.221 | 0.448 | 0.669 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.816 | 0.788 | 0.892 | 0.814 |
|            |       | 0.045 | 24.00 | 24.00 |       | 0.304 | 16.50 | 14.50 | Right Tilt  | 0.045 | 0.192 | 0.237 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.389 | 0.329 | 0.479 | 0.384 |
| DC_66A+n7A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.231 | 0.324 | 0.555 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.953 | 0.878 | 0.983 | 0.851 |
|            |       | 0.581 | 17.50 | 14.00 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.260 | 0.125 | 0.384 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.660 | 0.576 | 0.921 | 0.675 |
|            |       | 0.872 | 17.50 | 14.00 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.390 | 0.275 | 0.664 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.811 | 0.783 | 0.887 | 0.809 |
|            |       | 0.719 | 17.50 | 14.00 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.321 | 0.061 | 0.382 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.534 | 0.474 | 0.624 | 0.529 |
| DC_66A+n7A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.329 | 0.324 | 0.653 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.051 | 0.976 | 1.081 | 0.949 |
|            |       | 0.111 | 25.50 | 25.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.111 | 0.125 | 0.236 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.512 | 0.428 | 0.773 | 0.527 |
|            |       | 0.260 | 25.50 | 25.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.260 | 0.275 | 0.535 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.682 | 0.654 | 0.758 | 0.680 |
|            |       | 0.088 | 25.50 | 25.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.088 | 0.061 | 0.149 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.301 | 0.241 | 0.391 | 0.296 |
| DC_66A+n7A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.5 | 0.576 | 21.50 | 19.00 | Left Cheek  | 0.108 | 0.324 | 0.432 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.830 | 0.755 | 0.860 | 0.728 |
|            |       | 0.140 | 20.00 | 15.50 |       | 0.222 | 21.50 | 19.00 | Left Tilt   | 0.050 | 0.125 | 0.175 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.451 | 0.367 | 0.712 | 0.466 |
|            |       | 0.999 | 20.00 | 15.50 |       | 0.489 | 21.50 | 19.00 | Right Cheek | 0.354 | 0.275 | 0.629 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.776 | 0.748 | 0.852 | 0.774 |
|            |       | 0.347 | 20.00 | 15.50 |       | 0.109 | 21.50 | 19.00 | Right Tilt  | 0.123 | 0.061 | 0.184 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.336 | 0.276 | 0.426 | 0.331 |
| DC_2A+n66A | Ant.3 | 0.076 | 23.00 | 23.00 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.076 | 0.360 | 0.436 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.834 | 0.759 | 0.864 | 0.732 |
|            |       | 0.037 | 23.00 | 23.00 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.037 | 0.386 | 0.423 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.699 | 0.615 | 0.960 | 0.714 |
|            |       | 0.057 | 23.00 | 23.00 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.057 | 0.549 | 0.606 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.753 | 0.725 | 0.829 | 0.751 |
|            |       | 0.028 | 23.00 | 23.00 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.028 | 0.476 | 0.504 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.656 | 0.596 | 0.746 | 0.651 |
| DC_2A+n66A | Ant.4 | 0.171 | 24.50 | 18.50 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.043 | 0.360 | 0.403 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.801 | 0.726 | 0.831 | 0.699 |

|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |       | 0.073 | 24.50 | 18.50 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.018 | 0.386 | 0.404 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.680 | 0.596 | 0.941 | 0.695 |
|            |       | 0.661 | 24.50 | 18.50 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.166 | 0.549 | 0.715 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.862 | 0.834 | 0.938 | 0.860 |
|            |       | 0.172 | 24.50 | 18.50 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.043 | 0.476 | 0.520 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.672 | 0.612 | 0.762 | 0.667 |
| DC_2A+n66A | Ant.3 | 0.076 | 23.00 | 23.00 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.076 | 0.363 | 0.439 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.837 | 0.762 | 0.867 | 0.735 |
|            |       | 0.037 | 23.00 | 23.00 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.037 | 0.096 | 0.133 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.409 | 0.325 | 0.670 | 0.424 |
|            |       | 0.057 | 23.00 | 23.00 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.057 | 0.182 | 0.239 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.386 | 0.358 | 0.462 | 0.384 |
|            |       | 0.028 | 23.00 | 23.00 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.028 | 0.036 | 0.064 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.216 | 0.156 | 0.306 | 0.211 |
| DC_2A+n66A | Ant.4 | 0.171 | 24.50 | 18.50 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.043 | 0.363 | 0.406 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.804 | 0.729 | 0.834 | 0.702 |
|            |       | 0.073 | 24.50 | 18.50 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.018 | 0.096 | 0.114 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.390 | 0.306 | 0.651 | 0.405 |
|            |       | 0.661 | 24.50 | 18.50 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.166 | 0.182 | 0.348 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.495 | 0.467 | 0.571 | 0.493 |
|            |       | 0.172 | 24.50 | 18.50 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.043 | 0.036 | 0.079 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.231 | 0.171 | 0.321 | 0.226 |
| DC_5A+n66A | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.276 | 0.360 | 0.636 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.034 | 0.959 | 1.064 | 0.932 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.162 | 0.386 | 0.548 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.824 | 0.740 | 1.085 | 0.839 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.212 | 0.549 | 0.761 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.908 | 0.880 | 0.984 | 0.906 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.128 | 0.476 | 0.604 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.756 | 0.696 | 0.846 | 0.751 |
| DC_5A+n66A | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.397 | 0.360 | 0.757 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.155 | 1.080 | 1.185 | 1.053 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.038 | 0.386 | 0.424 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.700 | 0.616 | 0.961 | 0.715 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.203 | 0.549 | 0.752 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.899 | 0.871 | 0.975 | 0.897 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.034 | 0.476 | 0.510 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.662 | 0.602 | 0.752 | 0.657 |
| DC_5A+n66A | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.3 | 0.137 | 25.50 | 25.50 | Left Cheek  | 0.276 | 0.137 | 0.413 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.811 | 0.736 | 0.841 | 0.709 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.069 | 25.50 | 25.50 | Left Tilt   | 0.162 | 0.069 | 0.231 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.507 | 0.423 | 0.768 | 0.522 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.124 | 25.50 | 25.50 | Right Cheek | 0.212 | 0.124 | 0.336 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.483 | 0.455 | 0.559 | 0.481 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.045 | 25.50 | 25.50 | Right Tilt  | 0.128 | 0.045 | 0.173 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.325 | 0.265 | 0.415 | 0.320 |
| DC_5A+n66A | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.3 | 0.137 | 25.50 | 25.50 | Left Cheek  | 0.397 | 0.137 | 0.534 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.932 | 0.857 | 0.962 | 0.830 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.069 | 25.50 | 25.50 | Left Tilt   | 0.038 | 0.069 | 0.107 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.383 | 0.299 | 0.644 | 0.398 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.124 | 25.50 | 25.50 | Right Cheek | 0.203 | 0.124 | 0.327 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.474 | 0.446 | 0.550 | 0.472 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.045 | 25.50 | 25.50 | Right Tilt  | 0.034 | 0.045 | 0.079 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.231 | 0.171 | 0.321 | 0.226 |
| DC_5A+n66A | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.4 | 0.201 | 18.00 | 16.50 | Left Cheek  | 0.276 | 0.142 | 0.418 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.816 | 0.741 | 0.846 | 0.714 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.092 | 18.00 | 16.50 | Left Tilt   | 0.162 | 0.065 | 0.227 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.503 | 0.419 | 0.764 | 0.518 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.718 | 18.00 | 16.50 | Right Cheek | 0.212 | 0.508 | 0.720 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.867 | 0.839 | 0.943 | 0.865 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.229 | 18.00 | 16.50 | Right Tilt  | 0.128 | 0.162 | 0.290 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.442 | 0.382 | 0.532 | 0.437 |
| DC_5A+n66A | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.4 | 0.201 | 18.00 | 16.50 | Left Cheek  | 0.397 | 0.142 | 0.539 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.937 | 0.862 | 0.967 | 0.835 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.092 | 18.00 | 16.50 | Left Tilt   | 0.038 | 0.065 | 0.103 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.379 | 0.295 | 0.640 | 0.394 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.718 | 18.00 | 16.50 | Right Cheek | 0.203 | 0.508 | 0.711 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.858 | 0.830 | 0.934 | 0.856 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.229 | 18.00 | 16.50 | Right Tilt  | 0.034 | 0.162 | 0.196 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.348 | 0.288 | 0.438 | 0.343 |
| DC_5A+n66A | Ant.0 | 0.276 | 25.50 | 25.50 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.276 | 0.363 | 0.639 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.037 | 0.962 | 1.067 | 0.935 |
|            |       | 0.162 | 25.50 | 25.50 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.162 | 0.096 | 0.258 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.534 | 0.450 | 0.795 | 0.549 |
|            |       | 0.212 | 25.50 | 25.50 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.212 | 0.182 | 0.394 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.541 | 0.513 | 0.617 | 0.539 |
|            |       | 0.128 | 25.50 | 25.50 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.128 | 0.036 | 0.164 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.316 | 0.256 | 0.406 | 0.311 |
| DC_5A+n66A | Ant.1 | 0.888 | 24.00 | 20.50 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.397 | 0.363 | 0.760 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.158 | 1.083 | 1.188 | 1.056 |
|            |       | 0.085 | 24.00 | 20.50 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.038 | 0.096 | 0.134 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.410 | 0.326 | 0.671 | 0.425 |
|            |       | 0.454 | 24.00 | 20.50 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.203 | 0.182 | 0.385 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.532 | 0.504 | 0.608 | 0.530 |
|            |       | 0.076 | 24.00 | 20.50 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.034 | 0.036 | 0.070 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.222 | 0.162 | 0.312 | 0.217 |

|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DC_7A+n66A | Ant.3 | 0.248 | 25.00 | 25.00 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.248 | 0.360 | 0.608 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.006 | 0.931 | 1.036 | 0.904 |
|            |       | 0.148 | 25.00 | 25.00 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.148 | 0.386 | 0.534 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.810 | 0.726 | 1.071 | 0.825 |
|            |       | 0.211 | 25.00 | 25.00 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.211 | 0.549 | 0.760 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.907 | 0.879 | 0.983 | 0.905 |
|            |       | 0.123 | 25.00 | 25.00 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.123 | 0.476 | 0.599 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.751 | 0.691 | 0.841 | 0.746 |
| DC_7A+n66A | Ant.4 | 0.250 | 17.00 | 14.00 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.125 | 0.360 | 0.486 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.884 | 0.809 | 0.914 | 0.782 |
|            |       | 0.175 | 17.00 | 14.00 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.088 | 0.386 | 0.473 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.749 | 0.665 | 1.010 | 0.764 |
|            |       | 0.798 | 17.00 | 14.00 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.400 | 0.549 | 0.949 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.096 | 1.068 | 1.172 | 1.094 |
|            |       | 0.369 | 17.00 | 14.00 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.185 | 0.476 | 0.661 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.813 | 0.753 | 0.903 | 0.808 |
| DC_7A+n66A | Ant.5 | 0.795 | 21.00 | 18.00 | Ant.2 | 0.641 | 18.00 | 15.50 | Left Cheek  | 0.398 | 0.360 | 0.759 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.157 | 1.082 | 1.187 | 1.055 |
|            |       | 0.310 | 21.00 | 18.00 |       | 0.686 | 18.00 | 15.50 | Left Tilt   | 0.155 | 0.386 | 0.541 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.817 | 0.733 | 1.078 | 0.832 |
|            |       | 0.669 | 21.00 | 18.00 |       | 0.976 | 18.00 | 15.50 | Right Cheek | 0.335 | 0.549 | 0.884 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.031 | 1.003 | 1.107 | 1.029 |
|            |       | 0.151 | 21.00 | 18.00 |       | 0.847 | 18.00 | 15.50 | Right Tilt  | 0.076 | 0.476 | 0.552 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.704 | 0.644 | 0.794 | 0.699 |
| DC_7A+n66A | Ant.2 | 0.477 | 17.00 | 14.50 | Ant.3 | 0.137 | 25.50 | 25.50 | Left Cheek  | 0.268 | 0.137 | 0.405 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.803 | 0.728 | 0.833 | 0.701 |
|            |       | 0.455 | 17.00 | 14.50 |       | 0.069 | 25.50 | 25.50 | Left Tilt   | 0.256 | 0.069 | 0.325 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.601 | 0.517 | 0.862 | 0.616 |
|            |       | 1.077 | 17.00 | 14.50 |       | 0.124 | 25.50 | 25.50 | Right Cheek | 0.606 | 0.124 | 0.730 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.877 | 0.849 | 0.953 | 0.875 |
|            |       | 0.794 | 17.00 | 14.50 |       | 0.045 | 25.50 | 25.50 | Right Tilt  | 0.446 | 0.045 | 0.491 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.643 | 0.583 | 0.733 | 0.638 |
| DC_7A+n66A | Ant.4 | 0.250 | 17.00 | 14.00 | Ant.3 | 0.137 | 25.50 | 25.50 | Left Cheek  | 0.125 | 0.137 | 0.262 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.660 | 0.585 | 0.690 | 0.558 |
|            |       | 0.175 | 17.00 | 14.00 |       | 0.069 | 25.50 | 25.50 | Left Tilt   | 0.088 | 0.069 | 0.157 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.433 | 0.349 | 0.694 | 0.448 |
|            |       | 0.798 | 17.00 | 14.00 |       | 0.124 | 25.50 | 25.50 | Right Cheek | 0.400 | 0.124 | 0.524 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.671 | 0.643 | 0.747 | 0.669 |
|            |       | 0.369 | 17.00 | 14.00 |       | 0.045 | 25.50 | 25.50 | Right Tilt  | 0.185 | 0.045 | 0.230 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.382 | 0.322 | 0.472 | 0.377 |
| DC_7A+n66A | Ant.5 | 0.795 | 21.00 | 18.00 | Ant.3 | 0.137 | 25.50 | 25.50 | Left Cheek  | 0.398 | 0.137 | 0.535 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.933 | 0.858 | 0.963 | 0.831 |
|            |       | 0.310 | 21.00 | 18.00 |       | 0.069 | 25.50 | 25.50 | Left Tilt   | 0.155 | 0.069 | 0.224 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.500 | 0.416 | 0.761 | 0.515 |
|            |       | 0.669 | 21.00 | 18.00 |       | 0.124 | 25.50 | 25.50 | Right Cheek | 0.335 | 0.124 | 0.459 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.606 | 0.578 | 0.682 | 0.604 |
|            |       | 0.151 | 21.00 | 18.00 |       | 0.045 | 25.50 | 25.50 | Right Tilt  | 0.076 | 0.045 | 0.121 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.273 | 0.213 | 0.363 | 0.268 |
| DC_7A+n66A | Ant.2 | 0.477 | 17.00 | 14.50 | Ant.4 | 0.201 | 18.00 | 16.50 | Left Cheek  | 0.268 | 0.142 | 0.411 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.809 | 0.734 | 0.839 | 0.707 |
|            |       | 0.455 | 17.00 | 14.50 |       | 0.092 | 18.00 | 16.50 | Left Tilt   | 0.256 | 0.065 | 0.321 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.597 | 0.513 | 0.858 | 0.612 |
|            |       | 1.077 | 17.00 | 14.50 |       | 0.718 | 18.00 | 16.50 | Right Cheek | 0.606 | 0.508 | 1.114 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.261 | 1.233 | 1.337 | 1.259 |
|            |       | 0.794 | 17.00 | 14.50 |       | 0.229 | 18.00 | 16.50 | Right Tilt  | 0.446 | 0.162 | 0.609 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.761 | 0.701 | 0.851 | 0.756 |
| DC_7A+n66A | Ant.3 | 0.248 | 25.00 | 25.00 | Ant.4 | 0.201 | 18.00 | 16.50 | Left Cheek  | 0.248 | 0.142 | 0.390 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.788 | 0.713 | 0.818 | 0.686 |
|            |       | 0.148 | 25.00 | 25.00 |       | 0.092 | 18.00 | 16.50 | Left Tilt   | 0.148 | 0.065 | 0.213 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.489 | 0.405 | 0.750 | 0.504 |
|            |       | 0.211 | 25.00 | 25.00 |       | 0.718 | 18.00 | 16.50 | Right Cheek | 0.211 | 0.508 | 0.719 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.866 | 0.838 | 0.942 | 0.864 |
|            |       | 0.123 | 25.00 | 25.00 |       | 0.229 | 18.00 | 16.50 | Right Tilt  | 0.123 | 0.162 | 0.285 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.437 | 0.377 | 0.527 | 0.432 |
| DC_7A+n66A | Ant.5 | 0.795 | 21.00 | 18.00 | Ant.4 | 0.201 | 18.00 | 16.50 | Left Cheek  | 0.398 | 0.142 | 0.541 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.939 | 0.864 | 0.969 | 0.837 |
|            |       | 0.310 | 21.00 | 18.00 |       | 0.092 | 18.00 | 16.50 | Left Tilt   | 0.155 | 0.065 | 0.220 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.496 | 0.412 | 0.757 | 0.511 |
|            |       | 0.669 | 21.00 | 18.00 |       | 0.718 | 18.00 | 16.50 | Right Cheek | 0.335 | 0.508 | 0.844 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.991 | 0.963 | 1.067 | 0.989 |
|            |       | 0.151 | 21.00 | 18.00 |       | 0.229 | 18.00 | 16.50 | Right Tilt  | 0.076 | 0.162 | 0.238 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.390 | 0.330 | 0.480 | 0.385 |
| DC_7A+n66A | Ant.2 | 0.477 | 17.00 | 14.50 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.268 | 0.363 | 0.631 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.029 | 0.954 | 1.059 | 0.927 |
|            |       | 0.455 | 17.00 | 14.50 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.256 | 0.096 | 0.352 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.628 | 0.544 | 0.889 | 0.643 |
|            |       | 1.077 | 17.00 | 14.50 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.606 | 0.182 | 0.788 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.935 | 0.907 | 1.011 | 0.933 |
|            |       | 0.794 | 17.00 | 14.50 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.446 | 0.036 | 0.482 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.634 | 0.574 | 0.724 | 0.629 |
| DC_7A+n66A | Ant.3 | 0.248 | 25.00 | 25.00 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.248 | 0.363 | 0.611 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.009 | 0.934 | 1.039 | 0.907 |
|            |       | 0.148 | 25.00 | 25.00 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.148 | 0.096 | 0.244 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.520 | 0.436 | 0.781 | 0.535 |
|            |       | 0.211 | 25.00 | 25.00 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.211 | 0.182 | 0.393 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.540 | 0.512 | 0.616 | 0.538 |

|            |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            |       | 0.123 | 25.00 | 25.00 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.123 | 0.036 | 0.159 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.311 | 0.251 | 0.401 | 0.306 |
| DC_7A+n66A | Ant.4 | 0.250 | 17.00 | 14.00 | Ant.5 | 0.363 | 23.00 | 23.00 | Left Cheek  | 0.125 | 0.363 | 0.488 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.886 | 0.811 | 0.916 | 0.784 |
|            |       | 0.175 | 17.00 | 14.00 |       | 0.096 | 23.00 | 23.00 | Left Tilt   | 0.088 | 0.096 | 0.184 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.460 | 0.376 | 0.721 | 0.475 |
|            |       | 0.798 | 17.00 | 14.00 |       | 0.182 | 23.00 | 23.00 | Right Cheek | 0.400 | 0.182 | 0.582 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.729 | 0.701 | 0.805 | 0.727 |
|            |       | 0.369 | 17.00 | 14.00 |       | 0.036 | 23.00 | 23.00 | Right Tilt  | 0.185 | 0.036 | 0.221 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.373 | 0.313 | 0.463 | 0.368 |
| DC_4A+n38A | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.333 | 0.222 | 0.555 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.953 | 0.878 | 0.983 | 0.851 |
|            |       | 0.083 | 25.50 | 25.50 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.083 | 0.211 | 0.294 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.570 | 0.486 | 0.831 | 0.585 |
|            |       | 0.264 | 25.50 | 25.50 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.264 | 0.532 | 0.796 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.943 | 0.915 | 1.019 | 0.941 |
|            |       | 0.066 | 25.50 | 25.50 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.066 | 0.368 | 0.434 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.586 | 0.526 | 0.676 | 0.581 |
| DC_4A+n38A | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.078 | 0.222 | 0.299 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.697 | 0.622 | 0.727 | 0.595 |
|            |       | 0.116 | 20.50 | 15.50 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.037 | 0.211 | 0.248 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.524 | 0.440 | 0.785 | 0.539 |
|            |       | 0.946 | 20.50 | 15.50 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.299 | 0.532 | 0.831 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.978 | 0.950 | 1.054 | 0.976 |
|            |       | 0.283 | 20.50 | 15.50 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.089 | 0.368 | 0.458 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.610 | 0.550 | 0.700 | 0.605 |
| DC_4A+n38A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.431 | 0.222 | 0.653 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.051 | 0.976 | 1.081 | 0.949 |
|            |       | 0.100 | 24.00 | 24.00 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.100 | 0.211 | 0.311 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.587 | 0.503 | 0.848 | 0.602 |
|            |       | 0.216 | 24.00 | 24.00 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.216 | 0.532 | 0.748 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.895 | 0.867 | 0.971 | 0.893 |
|            |       | 0.043 | 24.00 | 24.00 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.043 | 0.368 | 0.411 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.563 | 0.503 | 0.653 | 0.558 |
| DC_4A+n38A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.277 | 0.114 | 0.391 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.789 | 0.714 | 0.819 | 0.687 |
|            |       | 0.635 | 17.00 | 14.00 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.318 | 0.051 | 0.369 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.645 | 0.561 | 0.906 | 0.660 |
|            |       | 0.943 | 17.00 | 14.00 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.473 | 0.105 | 0.578 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.725 | 0.697 | 0.801 | 0.723 |
|            |       | 0.765 | 17.00 | 14.00 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.383 | 0.040 | 0.423 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.575 | 0.515 | 0.665 | 0.570 |
| DC_4A+n38A | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.078 | 0.114 | 0.192 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.590 | 0.515 | 0.620 | 0.488 |
|            |       | 0.116 | 20.50 | 15.50 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.037 | 0.051 | 0.088 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.364 | 0.280 | 0.625 | 0.379 |
|            |       | 0.946 | 20.50 | 15.50 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.299 | 0.105 | 0.404 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.551 | 0.523 | 0.627 | 0.549 |
|            |       | 0.283 | 20.50 | 15.50 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.089 | 0.040 | 0.129 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.281 | 0.221 | 0.371 | 0.276 |
| DC_4A+n38A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.431 | 0.114 | 0.545 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.943 | 0.868 | 0.973 | 0.841 |
|            |       | 0.100 | 24.00 | 24.00 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.100 | 0.051 | 0.151 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.427 | 0.343 | 0.688 | 0.442 |
|            |       | 0.216 | 24.00 | 24.00 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.216 | 0.105 | 0.321 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.468 | 0.440 | 0.544 | 0.466 |
|            |       | 0.043 | 24.00 | 24.00 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.043 | 0.040 | 0.083 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.235 | 0.175 | 0.325 | 0.230 |
| DC_4A+n38A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.277 | 0.149 | 0.426 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.824 | 0.749 | 0.854 | 0.722 |
|            |       | 0.635 | 17.00 | 14.00 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.318 | 0.086 | 0.404 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.680 | 0.596 | 0.941 | 0.695 |
|            |       | 0.943 | 17.00 | 14.00 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.473 | 0.462 | 0.934 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.081 | 1.053 | 1.157 | 1.079 |
|            |       | 0.765 | 17.00 | 14.00 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.383 | 0.181 | 0.564 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.716 | 0.656 | 0.806 | 0.711 |
| DC_4A+n38A | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.333 | 0.149 | 0.482 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.880 | 0.805 | 0.910 | 0.778 |
|            |       | 0.083 | 25.50 | 25.50 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.083 | 0.086 | 0.169 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.445 | 0.361 | 0.706 | 0.460 |
|            |       | 0.264 | 25.50 | 25.50 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.264 | 0.462 | 0.726 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.873 | 0.845 | 0.949 | 0.871 |
|            |       | 0.066 | 25.50 | 25.50 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.066 | 0.181 | 0.247 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.399 | 0.339 | 0.489 | 0.394 |
| DC_4A+n38A | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.431 | 0.149 | 0.580 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.978 | 0.903 | 1.008 | 0.876 |
|            |       | 0.100 | 24.00 | 24.00 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.100 | 0.086 | 0.186 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.462 | 0.378 | 0.723 | 0.477 |
|            |       | 0.216 | 24.00 | 24.00 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.216 | 0.462 | 0.678 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.825 | 0.797 | 0.901 | 0.823 |
|            |       | 0.043 | 24.00 | 24.00 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.043 | 0.181 | 0.224 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.376 | 0.316 | 0.466 | 0.371 |
| DC_4A+n38A | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.277 | 0.185 | 0.462 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.860 | 0.785 | 0.890 | 0.758 |
|            |       | 0.635 | 17.00 | 14.00 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.318 | 0.053 | 0.371 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.647 | 0.563 | 0.908 | 0.662 |

|             |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |       | 0.943 | 17.00 | 14.00 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.473 | 0.156 | 0.628 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.775 | 0.747 | 0.851 | 0.773 |
|             |       | 0.765 | 17.00 | 14.00 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.383 | 0.033 | 0.416 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.568 | 0.508 | 0.658 | 0.563 |
| DC_4A+n38A  | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.333 | 0.185 | 0.518 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.916 | 0.841 | 0.946 | 0.814 |
|             |       | 0.083 | 25.50 | 25.50 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.083 | 0.053 | 0.136 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.412 | 0.328 | 0.673 | 0.427 |
|             |       | 0.264 | 25.50 | 25.50 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.264 | 0.156 | 0.420 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.567 | 0.539 | 0.643 | 0.565 |
|             |       | 0.066 | 25.50 | 25.50 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.066 | 0.033 | 0.099 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.251 | 0.191 | 0.341 | 0.246 |
|             |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
| DC_4A+n38A  | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.078 | 0.185 | 0.263 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.661 | 0.586 | 0.691 | 0.559 |
|             |       | 0.116 | 20.50 | 15.50 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.037 | 0.053 | 0.089 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.365 | 0.281 | 0.626 | 0.380 |
|             |       | 0.946 | 20.50 | 15.50 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.299 | 0.156 | 0.455 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.602 | 0.574 | 0.678 | 0.600 |
|             |       | 0.283 | 20.50 | 15.50 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.089 | 0.033 | 0.123 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.275 | 0.215 | 0.365 | 0.270 |
| DC_66A+n38A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.329 | 0.222 | 0.551 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.949 | 0.874 | 0.979 | 0.847 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.111 | 0.211 | 0.322 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.598 | 0.514 | 0.859 | 0.613 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.260 | 0.532 | 0.792 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.939 | 0.911 | 1.015 | 0.937 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.088 | 0.368 | 0.456 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.608 | 0.548 | 0.698 | 0.603 |
| DC_66A+n38A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.108 | 0.222 | 0.329 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.727 | 0.652 | 0.757 | 0.625 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.050 | 0.211 | 0.261 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.537 | 0.453 | 0.798 | 0.552 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.354 | 0.532 | 0.886 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.033 | 1.005 | 1.109 | 1.031 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.123 | 0.368 | 0.491 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.643 | 0.583 | 0.733 | 0.638 |
| DC_66A+n38A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.2 | 0.313 | 16.50 | 15.00 | Left Cheek  | 0.440 | 0.222 | 0.662 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.060 | 0.985 | 1.090 | 0.958 |
|             |       | 0.103 | 24.00 | 24.00 |       | 0.298 | 16.50 | 15.00 | Left Tilt   | 0.103 | 0.211 | 0.314 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.590 | 0.506 | 0.851 | 0.605 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.751 | 16.50 | 15.00 | Right Cheek | 0.221 | 0.532 | 0.753 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.900 | 0.872 | 0.976 | 0.898 |
|             |       | 0.045 | 24.00 | 24.00 |       | 0.520 | 16.50 | 15.00 | Right Tilt  | 0.045 | 0.368 | 0.413 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.565 | 0.505 | 0.655 | 0.560 |
| DC_66A+n38A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.231 | 0.114 | 0.345 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.743 | 0.668 | 0.773 | 0.641 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.260 | 0.051 | 0.311 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.587 | 0.503 | 0.848 | 0.602 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.390 | 0.105 | 0.495 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.642 | 0.614 | 0.718 | 0.640 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.321 | 0.040 | 0.361 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.513 | 0.453 | 0.603 | 0.508 |
| DC_66A+n38A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.108 | 0.114 | 0.222 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.620 | 0.545 | 0.650 | 0.518 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.050 | 0.051 | 0.101 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.377 | 0.293 | 0.638 | 0.392 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.354 | 0.105 | 0.459 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.606 | 0.578 | 0.682 | 0.604 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.123 | 0.040 | 0.163 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.315 | 0.255 | 0.405 | 0.310 |
| DC_66A+n38A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.3 | 0.114 | 24.50 | 24.50 | Left Cheek  | 0.440 | 0.114 | 0.554 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.952 | 0.877 | 0.982 | 0.850 |
|             |       | 0.103 | 24.00 | 24.00 |       | 0.051 | 24.50 | 24.50 | Left Tilt   | 0.103 | 0.051 | 0.154 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.430 | 0.346 | 0.691 | 0.445 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.105 | 24.50 | 24.50 | Right Cheek | 0.221 | 0.105 | 0.326 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.473 | 0.445 | 0.549 | 0.471 |
|             |       | 0.045 | 24.00 | 24.00 |       | 0.040 | 24.50 | 24.50 | Right Tilt  | 0.045 | 0.040 | 0.085 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.237 | 0.177 | 0.327 | 0.232 |
| DC_66A+n38A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.231 | 0.149 | 0.381 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.779 | 0.704 | 0.809 | 0.677 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.260 | 0.086 | 0.345 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.621 | 0.537 | 0.882 | 0.636 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.390 | 0.462 | 0.851 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.998 | 0.970 | 1.074 | 0.996 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.321 | 0.181 | 0.502 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.654 | 0.594 | 0.744 | 0.649 |
| DC_66A+n38A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.329 | 0.149 | 0.478 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.876 | 0.801 | 0.906 | 0.774 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.111 | 0.086 | 0.197 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.473 | 0.389 | 0.734 | 0.488 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.260 | 0.462 | 0.722 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.869 | 0.841 | 0.945 | 0.867 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.088 | 0.181 | 0.269 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.421 | 0.361 | 0.511 | 0.416 |
| DC_66A+n38A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.4 | 0.211 | 17.00 | 15.50 | Left Cheek  | 0.440 | 0.149 | 0.589 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.987 | 0.912 | 1.017 | 0.885 |

|             |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |       | 0.103 | 24.00 | 24.00 |       | 0.121 | 17.00 | 15.50 | Left Tilt   | 0.103 | 0.086 | 0.189 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.465 | 0.381 | 0.726 | 0.480 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.652 | 17.00 | 15.50 | Right Cheek | 0.221 | 0.462 | 0.683 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.830 | 0.802 | 0.906 | 0.828 |
|             |       | 0.045 | 24.00 | 24.00 |       | 0.255 | 17.00 | 15.50 | Right Tilt  | 0.045 | 0.181 | 0.226 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.378 | 0.318 | 0.468 | 0.373 |
| DC_66A+n38A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.231 | 0.185 | 0.416 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.814 | 0.739 | 0.844 | 0.712 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.260 | 0.053 | 0.312 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.588 | 0.504 | 0.849 | 0.603 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.390 | 0.156 | 0.545 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.692 | 0.664 | 0.768 | 0.690 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.321 | 0.033 | 0.354 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.506 | 0.446 | 0.596 | 0.501 |
| DC_66A+n38A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.329 | 0.185 | 0.514 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.912 | 0.837 | 0.942 | 0.810 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.111 | 0.053 | 0.164 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.440 | 0.356 | 0.701 | 0.455 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.260 | 0.156 | 0.416 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.563 | 0.535 | 0.639 | 0.561 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.088 | 0.033 | 0.121 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.273 | 0.213 | 0.363 | 0.268 |
| DC_66A+n38A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.5 | 0.369 | 21.00 | 18.00 | Left Cheek  | 0.108 | 0.185 | 0.293 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.691 | 0.616 | 0.721 | 0.589 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.105 | 21.00 | 18.00 | Left Tilt   | 0.050 | 0.053 | 0.102 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.378 | 0.294 | 0.639 | 0.393 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.311 | 21.00 | 18.00 | Right Cheek | 0.354 | 0.156 | 0.510 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.657 | 0.629 | 0.733 | 0.655 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.066 | 21.00 | 18.00 | Right Tilt  | 0.123 | 0.033 | 0.156 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.308 | 0.248 | 0.398 | 0.303 |
| DC_4A+n41A  | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.333 | 0.185 | 0.518 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.916 | 0.841 | 0.946 | 0.814 |
|             |       | 0.083 | 25.50 | 25.50 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.083 | 0.300 | 0.383 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.659 | 0.575 | 0.920 | 0.674 |
|             |       | 0.264 | 25.50 | 25.50 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.264 | 0.585 | 0.849 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.996 | 0.968 | 1.072 | 0.994 |
|             |       | 0.066 | 25.50 | 25.50 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.066 | 0.400 | 0.466 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.618 | 0.558 | 0.708 | 0.613 |
| DC_4A+n41A  | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.078 | 0.185 | 0.263 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.661 | 0.586 | 0.691 | 0.559 |
|             |       | 0.116 | 20.50 | 15.50 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.037 | 0.300 | 0.337 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.613 | 0.529 | 0.874 | 0.628 |
|             |       | 0.946 | 20.50 | 15.50 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.299 | 0.585 | 0.884 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.031 | 1.003 | 1.107 | 1.029 |
|             |       | 0.283 | 20.50 | 15.50 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.089 | 0.400 | 0.490 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.642 | 0.582 | 0.732 | 0.637 |
| DC_4A+n41A  | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.431 | 0.185 | 0.616 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.014 | 0.939 | 1.044 | 0.912 |
|             |       | 0.100 | 24.00 | 24.00 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.100 | 0.300 | 0.400 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.676 | 0.592 | 0.937 | 0.691 |
|             |       | 0.216 | 24.00 | 24.00 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.216 | 0.585 | 0.801 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.948 | 0.920 | 1.024 | 0.946 |
|             |       | 0.043 | 24.00 | 24.00 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.043 | 0.400 | 0.443 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.595 | 0.535 | 0.685 | 0.590 |
| DC_4A+n41A  | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.277 | 0.124 | 0.401 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.799 | 0.724 | 0.829 | 0.697 |
|             |       | 0.635 | 17.00 | 14.00 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.318 | 0.098 | 0.416 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.692 | 0.608 | 0.953 | 0.707 |
|             |       | 0.943 | 17.00 | 14.00 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.473 | 0.108 | 0.581 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.728 | 0.700 | 0.804 | 0.726 |
|             |       | 0.765 | 17.00 | 14.00 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.383 | 0.071 | 0.454 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.606 | 0.546 | 0.696 | 0.601 |
| DC_4A+n41A  | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.078 | 0.124 | 0.202 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.600 | 0.525 | 0.630 | 0.498 |
|             |       | 0.116 | 20.50 | 15.50 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.037 | 0.098 | 0.135 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.411 | 0.327 | 0.672 | 0.426 |
|             |       | 0.946 | 20.50 | 15.50 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.299 | 0.108 | 0.407 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.554 | 0.526 | 0.630 | 0.552 |
|             |       | 0.283 | 20.50 | 15.50 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.089 | 0.071 | 0.160 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.312 | 0.252 | 0.402 | 0.307 |
| DC_4A+n41A  | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.431 | 0.124 | 0.555 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.953 | 0.878 | 0.983 | 0.851 |
|             |       | 0.100 | 24.00 | 24.00 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.100 | 0.098 | 0.198 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.474 | 0.390 | 0.735 | 0.489 |
|             |       | 0.216 | 24.00 | 24.00 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.216 | 0.108 | 0.324 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.471 | 0.443 | 0.547 | 0.469 |
|             |       | 0.043 | 24.00 | 24.00 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.043 | 0.071 | 0.114 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.266 | 0.206 | 0.356 | 0.261 |
| DC_4A+n41A  | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.277 | 0.071 | 0.348 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.746 | 0.671 | 0.776 | 0.644 |
|             |       | 0.635 | 17.00 | 14.00 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.318 | 0.042 | 0.360 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.636 | 0.552 | 0.897 | 0.651 |
|             |       | 0.943 | 17.00 | 14.00 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.473 | 0.239 | 0.712 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.859 | 0.831 | 0.935 | 0.857 |
|             |       | 0.765 | 17.00 | 14.00 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.383 | 0.084 | 0.468 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.620 | 0.560 | 0.710 | 0.615 |

|             |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DC_4A+n41A  | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.333 | 0.071 | 0.404 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.802 | 0.727 | 0.832 | 0.700 |
|             |       | 0.083 | 25.50 | 25.50 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.083 | 0.042 | 0.125 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.401 | 0.317 | 0.662 | 0.416 |
|             |       | 0.264 | 25.50 | 25.50 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.264 | 0.239 | 0.503 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.650 | 0.622 | 0.726 | 0.648 |
|             |       | 0.066 | 25.50 | 25.50 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.066 | 0.084 | 0.150 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.302 | 0.242 | 0.392 | 0.297 |
| DC_4A+n41A  | Ant.5 | 0.431 | 24.00 | 24.00 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.431 | 0.071 | 0.502 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.900 | 0.825 | 0.930 | 0.798 |
|             |       | 0.100 | 24.00 | 24.00 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.100 | 0.042 | 0.142 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.418 | 0.334 | 0.679 | 0.433 |
|             |       | 0.216 | 24.00 | 24.00 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.216 | 0.239 | 0.455 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.602 | 0.574 | 0.678 | 0.600 |
|             |       | 0.043 | 24.00 | 24.00 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.043 | 0.084 | 0.127 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.279 | 0.219 | 0.369 | 0.274 |
| DC_4A+n41A  | Ant.2 | 0.552 | 17.00 | 14.00 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.277 | 0.180 | 0.457 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.855 | 0.780 | 0.885 | 0.753 |
|             |       | 0.635 | 17.00 | 14.00 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.318 | 0.058 | 0.376 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.652 | 0.568 | 0.913 | 0.667 |
|             |       | 0.943 | 17.00 | 14.00 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.473 | 0.251 | 0.723 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.870 | 0.842 | 0.946 | 0.868 |
|             |       | 0.765 | 17.00 | 14.00 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.383 | 0.037 | 0.420 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.572 | 0.512 | 0.662 | 0.567 |
| DC_4A+n41A  | Ant.3 | 0.333 | 25.50 | 25.50 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.333 | 0.180 | 0.513 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.911 | 0.836 | 0.941 | 0.809 |
|             |       | 0.083 | 25.50 | 25.50 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.083 | 0.058 | 0.141 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.417 | 0.333 | 0.678 | 0.432 |
|             |       | 0.264 | 25.50 | 25.50 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.264 | 0.251 | 0.515 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.662 | 0.634 | 0.738 | 0.660 |
|             |       | 0.066 | 25.50 | 25.50 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.066 | 0.037 | 0.103 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.255 | 0.195 | 0.345 | 0.250 |
| DC_4A+n41A  | Ant.4 | 0.246 | 20.50 | 15.50 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.078 | 0.180 | 0.258 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.656 | 0.581 | 0.686 | 0.554 |
|             |       | 0.116 | 20.50 | 15.50 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.037 | 0.058 | 0.095 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.371 | 0.287 | 0.632 | 0.386 |
|             |       | 0.946 | 20.50 | 15.50 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.299 | 0.251 | 0.550 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.697 | 0.669 | 0.773 | 0.695 |
|             |       | 0.283 | 20.50 | 15.50 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.089 | 0.037 | 0.126 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.278 | 0.218 | 0.368 | 0.273 |
| DC_66A+n41A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.329 | 0.185 | 0.514 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.912 | 0.837 | 0.942 | 0.810 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.111 | 0.300 | 0.411 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.687 | 0.603 | 0.948 | 0.702 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.260 | 0.585 | 0.845 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.992 | 0.964 | 1.068 | 0.990 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.088 | 0.400 | 0.488 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.640 | 0.580 | 0.730 | 0.635 |
| DC_66A+n41A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.108 | 0.185 | 0.293 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.691 | 0.616 | 0.721 | 0.589 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.050 | 0.300 | 0.350 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.626 | 0.542 | 0.887 | 0.641 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.354 | 0.585 | 0.939 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 1.086 | 1.058 | 1.162 | 1.084 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.123 | 0.400 | 0.523 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.675 | 0.615 | 0.765 | 0.670 |
| DC_66A+n41A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.2 | 0.293 | 17.00 | 15.00 | Left Cheek  | 0.440 | 0.185 | 0.625 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.023 | 0.948 | 1.053 | 0.921 |
|             |       | 0.103 | 24.00 | 24.00 |       | 0.476 | 17.00 | 15.00 | Left Tilt   | 0.103 | 0.300 | 0.403 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.679 | 0.595 | 0.940 | 0.694 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.927 | 17.00 | 15.00 | Right Cheek | 0.221 | 0.585 | 0.806 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.953 | 0.925 | 1.029 | 0.951 |
|             |       | 0.045 | 24.00 | 24.00 |       | 0.634 | 17.00 | 15.00 | Right Tilt  | 0.045 | 0.400 | 0.445 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.597 | 0.537 | 0.687 | 0.592 |
| DC_66A+n41A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.231 | 0.124 | 0.355 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.753 | 0.678 | 0.783 | 0.651 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.260 | 0.098 | 0.358 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.634 | 0.550 | 0.895 | 0.649 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.390 | 0.108 | 0.498 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.645 | 0.617 | 0.721 | 0.643 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.321 | 0.071 | 0.392 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.544 | 0.484 | 0.634 | 0.539 |
| DC_66A+n41A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.108 | 0.124 | 0.232 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.630 | 0.555 | 0.660 | 0.528 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.050 | 0.098 | 0.148 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.424 | 0.340 | 0.685 | 0.439 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.354 | 0.108 | 0.462 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.609 | 0.581 | 0.685 | 0.607 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.123 | 0.071 | 0.194 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.346 | 0.286 | 0.436 | 0.341 |
| DC_66A+n41A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.3 | 0.124 | 24.50 | 24.50 | Left Cheek  | 0.440 | 0.124 | 0.564 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.962 | 0.887 | 0.992 | 0.860 |
|             |       | 0.103 | 24.00 | 24.00 |       | 0.098 | 24.50 | 24.50 | Left Tilt   | 0.103 | 0.098 | 0.201 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.477 | 0.393 | 0.738 | 0.492 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.108 | 24.50 | 24.50 | Right Cheek | 0.221 | 0.108 | 0.329 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.476 | 0.448 | 0.552 | 0.474 |

|             |       |       |       |       |       |       |       |       |             |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             |       | 0.045 | 24.00 | 24.00 |       | 0.071 | 24.50 | 24.50 | Right Tilt  | 0.045 | 0.071 | 0.116 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.268 | 0.208 | 0.358 | 0.263 |
| DC_66A+n41A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.231 | 0.071 | 0.302 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.700 | 0.625 | 0.730 | 0.598 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.260 | 0.042 | 0.301 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.577 | 0.493 | 0.838 | 0.592 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.390 | 0.239 | 0.629 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.776 | 0.748 | 0.852 | 0.774 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.321 | 0.084 | 0.406 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.558 | 0.498 | 0.648 | 0.553 |
| DC_66A+n41A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.329 | 0.071 | 0.400 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.798 | 0.723 | 0.828 | 0.696 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.111 | 0.042 | 0.153 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.429 | 0.345 | 0.690 | 0.444 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.260 | 0.239 | 0.499 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.646 | 0.618 | 0.722 | 0.644 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.088 | 0.084 | 0.172 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.324 | 0.264 | 0.414 | 0.319 |
| DC_66A+n41A | Ant.5 | 0.440 | 24.00 | 24.00 | Ant.4 | 0.126 | 17.00 | 14.50 | Left Cheek  | 0.440 | 0.071 | 0.511 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.909 | 0.834 | 0.939 | 0.807 |
|             |       | 0.103 | 24.00 | 24.00 |       | 0.074 | 17.00 | 14.50 | Left Tilt   | 0.103 | 0.042 | 0.145 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.421 | 0.337 | 0.682 | 0.436 |
|             |       | 0.221 | 24.00 | 24.00 |       | 0.425 | 17.00 | 14.50 | Right Cheek | 0.221 | 0.239 | 0.460 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.607 | 0.579 | 0.683 | 0.605 |
|             |       | 0.045 | 24.00 | 24.00 |       | 0.150 | 17.00 | 14.50 | Right Tilt  | 0.045 | 0.084 | 0.129 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.281 | 0.221 | 0.371 | 0.276 |
| DC_66A+n41A | Ant.2 | 0.518 | 17.50 | 14.00 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.231 | 0.180 | 0.412 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.810 | 0.735 | 0.840 | 0.708 |
|             |       | 0.581 | 17.50 | 14.00 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.260 | 0.058 | 0.318 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.594 | 0.510 | 0.855 | 0.609 |
|             |       | 0.872 | 17.50 | 14.00 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.390 | 0.251 | 0.640 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.787 | 0.759 | 0.863 | 0.785 |
|             |       | 0.719 | 17.50 | 14.00 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.321 | 0.037 | 0.358 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.510 | 0.450 | 0.600 | 0.505 |
| DC_66A+n41A | Ant.3 | 0.329 | 25.50 | 25.50 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.329 | 0.180 | 0.509 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.907 | 0.832 | 0.937 | 0.805 |
|             |       | 0.111 | 25.50 | 25.50 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.111 | 0.058 | 0.169 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.445 | 0.361 | 0.706 | 0.460 |
|             |       | 0.260 | 25.50 | 25.50 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.260 | 0.251 | 0.511 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.658 | 0.630 | 0.734 | 0.656 |
|             |       | 0.088 | 25.50 | 25.50 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.088 | 0.037 | 0.125 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.277 | 0.217 | 0.367 | 0.272 |
| DC_66A+n41A | Ant.4 | 0.304 | 20.00 | 15.50 | Ant.5 | 0.360 | 21.00 | 18.00 | Left Cheek  | 0.108 | 0.180 | 0.288 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.686 | 0.611 | 0.716 | 0.584 |
|             |       | 0.140 | 20.00 | 15.50 |       | 0.116 | 21.00 | 18.00 | Left Tilt   | 0.050 | 0.058 | 0.108 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.384 | 0.300 | 0.645 | 0.399 |
|             |       | 0.999 | 20.00 | 15.50 |       | 0.500 | 21.00 | 18.00 | Right Cheek | 0.354 | 0.251 | 0.605 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.752 | 0.724 | 0.828 | 0.750 |
|             |       | 0.347 | 20.00 | 15.50 |       | 0.073 | 21.00 | 18.00 | Right Tilt  | 0.123 | 0.037 | 0.160 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.312 | 0.252 | 0.402 | 0.307 |
| DC_2A+n77A  | Ant.3 | 0.076 | 23.00 | 23.00 | Ant.6 | 0.171 | 17.50 | 14.50 | Left Cheek  | 0.076 | 0.086 | 0.162 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.560 | 0.485 | 0.590 | 0.458 |
|             |       | 0.037 | 23.00 | 23.00 |       | 0.189 | 17.50 | 14.50 | Left Tilt   | 0.037 | 0.095 | 0.132 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.408 | 0.324 | 0.669 | 0.423 |
|             |       | 0.057 | 23.00 | 23.00 |       | 0.902 | 17.50 | 14.50 | Right Cheek | 0.057 | 0.452 | 0.509 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.656 | 0.628 | 0.732 | 0.654 |
|             |       | 0.028 | 23.00 | 23.00 |       | 0.741 | 17.50 | 14.50 | Right Tilt  | 0.028 | 0.371 | 0.399 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.551 | 0.491 | 0.641 | 0.546 |
| DC_2A+n77A  | Ant.4 | 0.171 | 24.50 | 18.50 | Ant.6 | 0.171 | 17.50 | 14.50 | Left Cheek  | 0.043 | 0.086 | 0.129 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.527 | 0.452 | 0.557 | 0.425 |
|             |       | 0.073 | 24.50 | 18.50 |       | 0.189 | 17.50 | 14.50 | Left Tilt   | 0.018 | 0.095 | 0.113 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.389 | 0.305 | 0.650 | 0.404 |
|             |       | 0.661 | 24.50 | 18.50 |       | 0.902 | 17.50 | 14.50 | Right Cheek | 0.166 | 0.452 | 0.618 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.765 | 0.737 | 0.841 | 0.763 |
|             |       | 0.172 | 24.50 | 18.50 |       | 0.741 | 17.50 | 14.50 | Right Tilt  | 0.043 | 0.371 | 0.415 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.567 | 0.507 | 0.657 | 0.562 |
| DC_2A+n77A  | Ant.3 | 0.076 | 23.00 | 23.00 | Ant.7 | 0.695 | 14.00 | 13.50 | Left Cheek  | 0.076 | 0.619 | 0.695 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.093 | 1.018 | 1.123 | 0.991 |
|             |       | 0.037 | 23.00 | 23.00 |       | 0.797 | 14.00 | 13.50 | Left Tilt   | 0.037 | 0.710 | 0.747 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 1.023 | 0.939 | 1.284 | 1.038 |
|             |       | 0.057 | 23.00 | 23.00 |       | 0.343 | 14.00 | 13.50 | Right Cheek | 0.057 | 0.306 | 0.363 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.510 | 0.482 | 0.586 | 0.508 |
|             |       | 0.028 | 23.00 | 23.00 |       | 0.462 | 14.00 | 13.50 | Right Tilt  | 0.028 | 0.412 | 0.440 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.592 | 0.532 | 0.682 | 0.587 |
| DC_2A+n77A  | Ant.4 | 0.171 | 24.50 | 18.50 | Ant.7 | 0.695 | 14.00 | 13.50 | Left Cheek  | 0.043 | 0.619 | 0.662 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 1.060 | 0.985 | 1.090 | 0.958 |
|             |       | 0.073 | 24.50 | 18.50 |       | 0.797 | 14.00 | 13.50 | Left Tilt   | 0.018 | 0.710 | 0.729 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 1.005 | 0.921 | 1.266 | 1.020 |
|             |       | 0.661 | 24.50 | 18.50 |       | 0.343 | 14.00 | 13.50 | Right Cheek | 0.166 | 0.306 | 0.472 | 0.147 | 0.172 | 0.094 | 0.119 | 0.051 | 0.619 | 0.591 | 0.695 | 0.617 |
|             |       | 0.172 | 24.50 | 18.50 |       | 0.462 | 14.00 | 13.50 | Right Tilt  | 0.043 | 0.412 | 0.455 | 0.152 | 0.206 | 0.111 | 0.092 | 0.036 | 0.607 | 0.547 | 0.697 | 0.602 |
| DC_2A+n77A  | Ant.3 | 0.076 | 23.00 | 23.00 | Ant.8 | 0.107 | 22.50 | 21.50 | Left Cheek  | 0.076 | 0.085 | 0.161 | 0.398 | 0.290 | 0.158 | 0.323 | 0.138 | 0.559 | 0.484 | 0.589 | 0.457 |
|             |       | 0.037 | 23.00 | 23.00 |       | 0.050 | 22.50 | 21.50 | Left Tilt   | 0.037 | 0.040 | 0.077 | 0.276 | 0.462 | 0.216 | 0.192 | 0.075 | 0.353 | 0.269 | 0.614 | 0.368 |