



Test report No.: 2540466R-SAUSV01S-A

## SAR Test Report

|                                                            |                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Product Name                                               | Rugged Controller                                                                       |
| Trademark                                                  | Trimble                                                                                 |
| Model and /or type reference                               | Y302-02                                                                                 |
| Applicant's name / address                                 | DT Research, Inc.<br>3RD FL, NO 36, WUQUAN 7TH RD, WUGU<br>DISTRICT, NEW TAIPEI, Taiwan |
| Manufacturer's name                                        | DT Research, Inc.                                                                       |
| FCC ID                                                     | Refer to Section 1.1                                                                    |
| Applicable Standard                                        | IEEE 1528-2013<br>KDB 447498 D01 v06<br>KDB 865664 D01 v01r04                           |
| Test Result                                                | Refer to Section 1.1                                                                    |
| Verdict Summary                                            | IN COMPLIANCE                                                                           |
| Documented By<br>(Senior Project Specialist / Genie Chang) | Genie Chang                                                                             |
| Tested By<br>(Senior Engineer / Luke Cheng)                | Luke Cheng                                                                              |
| Approved By<br>(Assistant Manager / San Lin)               | San Lin                                                                                 |
| Date of Receipt                                            | 2025/04/16                                                                              |
| Date of Issue                                              | 2025/06/25                                                                              |
| Report Version                                             | V1.0                                                                                    |

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DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

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5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

## Revision History

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| Report No.          | Version | Description              | Issued Date |
|---------------------|---------|--------------------------|-------------|
| 2540466R-SAUSV01S-A | V1.0    | Initial issue of report. | 2025/06/25  |

## 1. General Information

### 1.1 EUT Description

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                 | Rugged Controller                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Trademark                    | Trimble                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model and /or type reference | Y302-02                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Contains FCC ID              | YE3600-BE200NG, YE3600-LN920A120                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Frequency Range (Licensed)   | LTE Band 2: 1850-1910 MHz<br>LTE Band 4: 1710-1755 MHz<br>LTE Band 5: 824-849 MHz<br>LTE Band 7: 2500-2570 MHz<br>LTE Band 12: 699-716 MHz<br>LTE Band 13: 777-787 MHz<br>LTE Band 14: 788-798 MHz<br>LTE Band 17: 704-716 MHz<br>LTE Band 25: 1850-1915 MHz<br>LTE Band 26: 814-849 MHz<br>LTE Band 38: 2570-2620 MHz<br>LTE Band 41: 2496-2690 MHz<br>LTE Band 42: 3550-3600 MHz<br>LTE Band 43: 3600-3700 MHz<br>LTE Band 66: 1710-1780 MHz<br>LTE Band 71: 663-698 MHz |
| Frequency Range              | WLAN 2.4GHz: 2412-2472 MHz<br>WLAN 5GHz: 5180-5240 MHz, 5260-5320 MHz, 5500-5720 MHz, 5745-5825 MHz, 5845-5885 MHz<br>WLAN 6GHz: 5955-7115 MHz<br>BT: 2402-2480 MHz                                                                                                                                                                                                                                                                                                        |
| Type of Modulation           | 802.11b: DSSS<br>802.11a/g/n/ac/ax/be: OFDM, OFDMA<br>GFSK(1Mbps) / $\pi$ /4DQPSK(2Mbps) / 8DPSK(3Mbps)<br>LTE: QPSK/16QAM/64QAM                                                                                                                                                                                                                                                                                                                                           |
| Antenna Type                 | PIFA                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Device Category              | Portable                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RF Exposure Environment      | Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Summary of test result-Reported 1g SAR (W/Kg) |                      |                      |                      |                      |                      |
|-----------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Test configuration                            | Licensed             | DTS                  | NII                  | 6XD                  | DSS(BT)              |
| Standalone                                    | 1.176                | 1.083                | 1.166                | 0.868                | 0.399                |
| Simultaneous                                  | 2.813<br>(SPLR=0.02) | 2.027<br>(SPLR=0.02) | 2.813<br>(SPLR=0.02) | 2.437<br>(SPLR=0.02) | 2.813<br>(SPLR=0.02) |
| Summary of test result – Power Density        |                      |                      |                      |                      |                      |
| Test configuration                            | 6XD                  |                      |                      |                      |                      |
| APD (W/m <sup>2</sup> )                       | 5.780                |                      |                      |                      |                      |
| Reported PD (W/m <sup>2</sup> )               | 6.499                |                      |                      |                      |                      |

## 1.2 Antenna List

| No. | Manufacturer    | Part No.            | Antenna Type | Peak Gain                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|-----------------|---------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | ANJIE<br>(WLAN) | AJ6F1J-B0003 (Main) | PIFA         | 1.9 dBi for 2400MHz<br>1.3 dBi for 5150~5250MHz<br>1.6 dBi for 5250~5350MHz<br>2.3 dBi for 5470~5725MHz<br>2.9 dBi for 5725~5850MHz<br>2.9 dBi for 5850~5895MHz<br>2.1 dBi for 5925~6425MHz<br>1.1 dBi for 6425~6525MHz<br>0.2 dBi for 6525~6875MHz<br>-0.1 dBi for 6875~7125MHz                                                                                                                                                                                       |
|     |                 | AJ6F1J-W0001 (Aux)  |              | -0.8 dBi for 2400MHz<br>1.8 dBi for 5150~5250MHz<br>1.8 dBi for 5250~5350MHz<br>2.3 dBi for 5470~5725MHz<br>2.5 dBi for 5725~5850MHz<br>2.5 dBi for 5850~5895MHz<br>2.3 dBi for 5925~6425MHz<br>0.5 dBi for 6425~6525MHz<br>0.6 dBi for 6525~6875MHz<br>0.7 dBi for 6875~7125MHz                                                                                                                                                                                       |
| 2   | ANJIE<br>(WWAN) | AJLF1J-Q0002        | PIFA         | -1.8 dBi for LTE Band 2<br>-1.01 dBi for LTE Band 4<br>-1.74 dBi for-LTE Band 5<br>-0.24 dBi for LTE Band 7<br>-4.48 dBi for LTE Band 12<br>-2.3 dBi for LTE Band 13<br>-1.43 dBi for LTE Band 14<br>-4.48 dBi for LTE Band 17<br>-1.47 dBi for LTE Band 25<br>-1.68 dBi for LTE Band 26<br>-0.24 dBi for LTE Band 38<br>-0.14 dBi for LTE Band 41<br>-5.42 dBi for LTE Band 42<br>-2.48 dBi for LTE Band 43<br>-0.47 dBi for LTE Band 66<br>-4.88 dBi for LTE Band 71 |

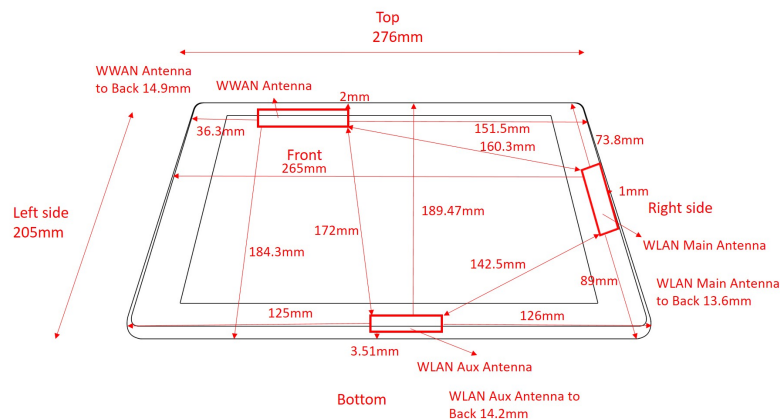
Note: The above EUT information is provided by the host manufacturer.

### 1.3 SAR Test Exclusion Calculation

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)\*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

| SAR exclusion calculations for antenna distance < 50mm from the user |              |                 |              |     |                           |       |      |        |        |                                                       |       |       |       |        |
|----------------------------------------------------------------------|--------------|-----------------|--------------|-----|---------------------------|-------|------|--------|--------|-------------------------------------------------------|-------|-------|-------|--------|
| Antenna                                                              | Tx           | Frequency (MHz) | Output Power |     | Separation distances (mm) |       |      |        |        | Calculated Threshold Value (≤3.0 SAR is not required) |       |       |       |        |
|                                                                      |              |                 | dBm          | mW  | Back                      | Right | Left | Top    | Bottom | Back                                                  | Right | Left  | Top   | Bottom |
| Main                                                                 | WiFi         | 2462            | 14.5         | 28  | 13.6                      | 1     | 265  | 73.8   | 89     | 3.3                                                   | 8.8   | >50mm | >50mm | >50mm  |
| Main                                                                 | WiFi         | 5240            | 11           | 13  | 13.6                      | 1     | 265  | 73.8   | 89     | 2.1                                                   | 5.8   | >50mm | >50mm | >50mm  |
| Main                                                                 | WiFi         | 5320            | 12           | 16  | 13.6                      | 1     | 265  | 73.8   | 89     | 2.7                                                   | 7.3   | >50mm | >50mm | >50mm  |
| Main                                                                 | WiFi         | 5700            | 13           | 20  | 13.6                      | 1     | 265  | 73.8   | 89     | 3.5                                                   | 9.5   | >50mm | >50mm | >50mm  |
| Main                                                                 | WiFi         | 5825            | 13           | 20  | 13.6                      | 1     | 265  | 73.8   | 89     | 3.5                                                   | 9.6   | >50mm | >50mm | >50mm  |
| Aux                                                                  | WiFi         | 2462            | 14.5         | 28  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 3.1                                                   | >50mm | >50mm | >50mm | 8.8    |
| Aux                                                                  | WiFi         | 5240            | 11           | 13  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 2.0                                                   | >50mm | >50mm | >50mm | 5.8    |
| Aux                                                                  | WiFi         | 5320            | 12           | 16  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 2.6                                                   | >50mm | >50mm | >50mm | 7.3    |
| Aux                                                                  | WiFi         | 5700            | 13           | 20  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 3.4                                                   | >50mm | >50mm | >50mm | 9.5    |
| Aux                                                                  | WiFi         | 5825            | 13           | 20  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 3.4                                                   | >50mm | >50mm | >50mm | 9.6    |
| Aux                                                                  | BT           | 2480            | 10           | 10  | 14.2                      | 126   | 125  | 189.47 | 3.51   | 1.1                                                   | >50mm | >50mm | >50mm | 3.1    |
| WWAN                                                                 | LTE B2       | 1900            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 20.7                                                  | >50mm | 8.5   | 61.7  | >50mm  |
| WWAN                                                                 | LTE B4       | 1745            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 19.8                                                  | >50mm | 8.1   | 59.1  | >50mm  |
| WWAN                                                                 | LTE B5       | 844             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 13.8                                                  | >50mm | 5.7   | 41.1  | >50mm  |
| WWAN                                                                 | LTE B7       | 2560            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 24.0                                                  | >50mm | 9.9   | 71.6  | >50mm  |
| WWAN                                                                 | LTE B12      | 711             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 12.7                                                  | >50mm | 5.2   | 37.8  | >50mm  |
| WWAN                                                                 | LTE B13      | 782             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 13.3                                                  | >50mm | 5.5   | 39.6  | >50mm  |
| WWAN                                                                 | LTE B14      | 793             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 13.4                                                  | >50mm | 5.5   | 39.9  | >50mm  |
| WWAN                                                                 | LTE B17      | 711             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 12.7                                                  | >50mm | 5.2   | 37.8  | >50mm  |
| WWAN                                                                 | LTE B25      | 1905            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 20.7                                                  | >50mm | 8.5   | 61.8  | >50mm  |
| WWAN                                                                 | LTE B26      | 841.5           | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 13.8                                                  | >50mm | 5.7   | 41.1  | >50mm  |
| WWAN                                                                 | LTE B38      | 2610            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 24.3                                                  | >50mm | 10.0  | 72.3  | >50mm  |
| WWAN                                                                 | LTE B41      | 2680            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 24.6                                                  | >50mm | 10.1  | 73.3  | >50mm  |
| WWAN                                                                 | LTE B41_HPUE | 2680            | 26.5         | 447 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 49.1                                                  | >50mm | 20.1  | 146.3 | >50mm  |
| WWAN                                                                 | LTE B42      | 3590            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 28.5                                                  | >50mm | 11.7  | 84.8  | >50mm  |
| WWAN                                                                 | LTE B43      | 3665            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 28.8                                                  | >50mm | 11.8  | 85.7  | >50mm  |
| WWAN                                                                 | LTE B66      | 1770            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 20.0                                                  | >50mm | 8.2   | 59.6  | >50mm  |
| WWAN                                                                 | LTE B71      | 688             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | 12.5                                                  | >50mm | 5.1   | 37.1  | >50mm  |

| SAR exclusion calculations for antenna distance > 50mm from the user |              |                 |              |     |                           |       |      |        |        |                                                           |        |        |        |        |
|----------------------------------------------------------------------|--------------|-----------------|--------------|-----|---------------------------|-------|------|--------|--------|-----------------------------------------------------------|--------|--------|--------|--------|
| Antenna                                                              | Tx           | Frequency (MHz) | Output Power |     | Separation distances (mm) |       |      |        |        | Calculated Threshold Value (SAR test exclusion power, mW) |        |        |        |        |
|                                                                      |              |                 | dBm          | mW  | Back                      | Right | Left | Top    | Bottom | Back                                                      | Right  | Left   | Top    | Bottom |
| Main                                                                 | WiFi         | 2462            | 14.5         | 28  | 13.6                      | 1     | 265  | 73.8   | 89     | <50mm                                                     | <50mm  | 2245.6 | 333.6  | 485.6  |
| Main                                                                 | WiFi         | 5240            | 11           | 13  | 13.6                      | 1     | 265  | 73.8   | 89     | <50mm                                                     | <50mm  | 2215.5 | 303.5  | 455.5  |
| Main                                                                 | WiFi         | 5320            | 12           | 16  | 13.6                      | 1     | 265  | 73.8   | 89     | <50mm                                                     | <50mm  | 2215.0 | 303.0  | 455.0  |
| Main                                                                 | WiFi         | 5700            | 13           | 20  | 13.6                      | 1     | 265  | 73.8   | 89     | <50mm                                                     | <50mm  | 2212.8 | 300.8  | 452.8  |
| Main                                                                 | WiFi         | 5825            | 13           | 20  | 13.6                      | 1     | 265  | 73.8   | 89     | <50mm                                                     | <50mm  | 2212.2 | 300.2  | 452.2  |
| Aux                                                                  | WiFi         | 2462            | 14.5         | 28  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 855.6  | 845.6  | 1490.3 | <50mm  |
| Aux                                                                  | WiFi         | 5240            | 11           | 13  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 825.5  | 815.5  | 1460.2 | <50mm  |
| Aux                                                                  | WiFi         | 5320            | 12           | 16  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 825.0  | 815.0  | 1459.7 | <50mm  |
| Aux                                                                  | WiFi         | 5700            | 13           | 20  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 822.8  | 812.8  | 1457.5 | <50mm  |
| Aux                                                                  | WiFi         | 5825            | 13           | 20  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 822.2  | 812.2  | 1456.9 | <50mm  |
| Aux                                                                  | BT           | 2480            | 10           | 10  | 14.2                      | 126   | 125  | 189.47 | 3.51   | <50mm                                                     | 855.3  | 845.3  | 1490.0 | <50mm  |
| WWAN                                                                 | LTE B2       | 1900            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1123.8 | <50mm  | <50mm  | 1451.8 |
| WWAN                                                                 | LTE B4       | 1745            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1128.6 | <50mm  | <50mm  | 1456.6 |
| WWAN                                                                 | LTE B5       | 844             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 734.4  | <50mm  | <50mm  | 918.9  |
| WWAN                                                                 | LTE B7       | 2560            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1108.8 | <50mm  | <50mm  | 1436.8 |
| WWAN                                                                 | LTE B12      | 711             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 659.0  | <50mm  | <50mm  | 814.5  |
| WWAN                                                                 | LTE B13      | 782             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 698.8  | <50mm  | <50mm  | 869.8  |
| WWAN                                                                 | LTE B14      | 793             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 705.0  | <50mm  | <50mm  | 878.4  |
| WWAN                                                                 | LTE B17      | 711             | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 659.0  | <50mm  | <50mm  | 814.5  |
| WWAN                                                                 | LTE B25      | 1905            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1123.7 | <50mm  | <50mm  | 1451.7 |
| WWAN                                                                 | LTE B26      | 841.5           | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 732.9  | <50mm  | <50mm  | 916.9  |
| WWAN                                                                 | LTE B38      | 2610            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1107.8 | <50mm  | <50mm  | 1435.8 |
| WWAN                                                                 | LTE B41      | 2680            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1106.6 | <50mm  | <50mm  | 1434.6 |
| WWAN                                                                 | LTE B41_HPUE | 2680            | 26.5         | 447 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1106.6 | <50mm  | <50mm  | 1434.6 |
| WWAN                                                                 | LTE B42      | 3590            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1094.2 | <50mm  | <50mm  | 1422.2 |
| WWAN                                                                 | LTE B43      | 3665            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1093.4 | <50mm  | <50mm  | 1421.4 |
| WWAN                                                                 | LTE B66      | 1770            | 23.5         | 224 | 14.9                      | 151.5 | 36.3 | 2      | 184.3  | <50mm                                                     | 1127.7 | <50mm  | <50mm  | 1455.7 |



## 1.4 Test Environment

Ambient conditions in the laboratory:

Test Date: 2025/5/14 - 2025/6/4

| Items            | Required | Actual  |
|------------------|----------|---------|
| Temperature (°C) | 18-25    | 23 ± 2  |
| Humidity (%RH)   | 30-70    | 50 ± 20 |

|        |                                                       |
|--------|-------------------------------------------------------|
| USA    | FCC Designation Number: TW0033                        |
| Canada | CAB Identifier Number: TW3023 / Company Number: 26930 |

|                  |                         |
|------------------|-------------------------|
| Site Description | Accredited by TAF       |
|                  | Accredited Number: 3023 |

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| Test Laboratory    | DEKRA Testing and Certification Co., Ltd.                                 |
|                    | Linkou Laboratory                                                         |
| Address            | No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan, R.O.C.  |
| Performed Location | No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C. |
| Phone Number       | +886-3-275-7255                                                           |
| Fax Number         | +886-3-327-8031                                                           |

## **1.5 Measurement procedures**

IEEE 1528-2013

47CFR § 2.1093

KDB 248227 D01 v02r02

KDB 447498 D01 v06

KDB 616217 D04 v01r02

KDB 865664 D01 v01r04

KDB 941225 D05 v02r05

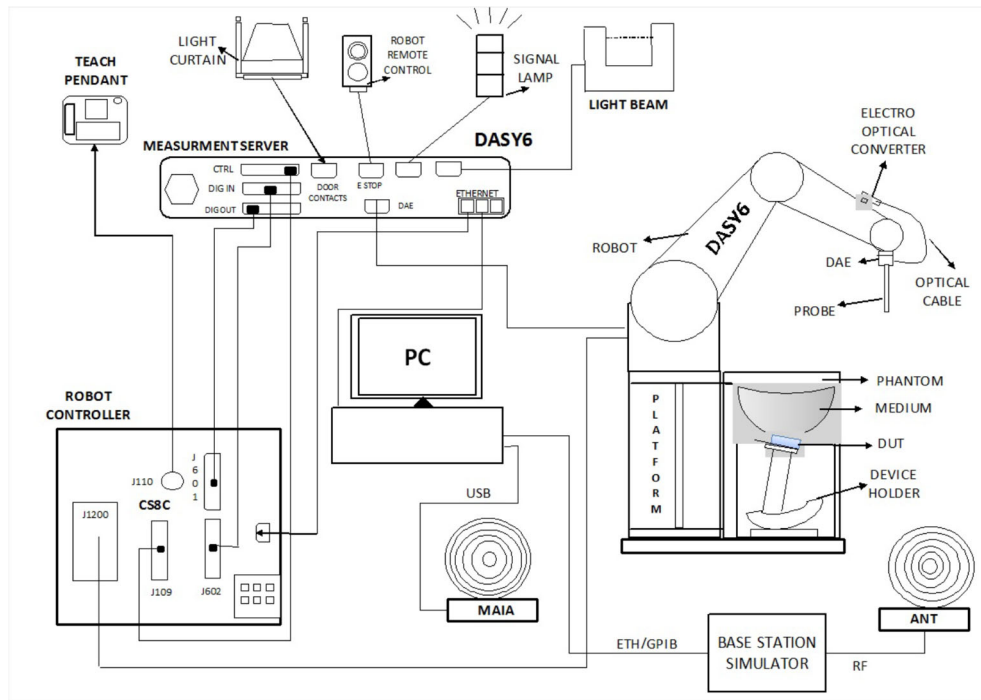
IEC TR 63170:2018

IEC/IEEE 62209-1528:2020

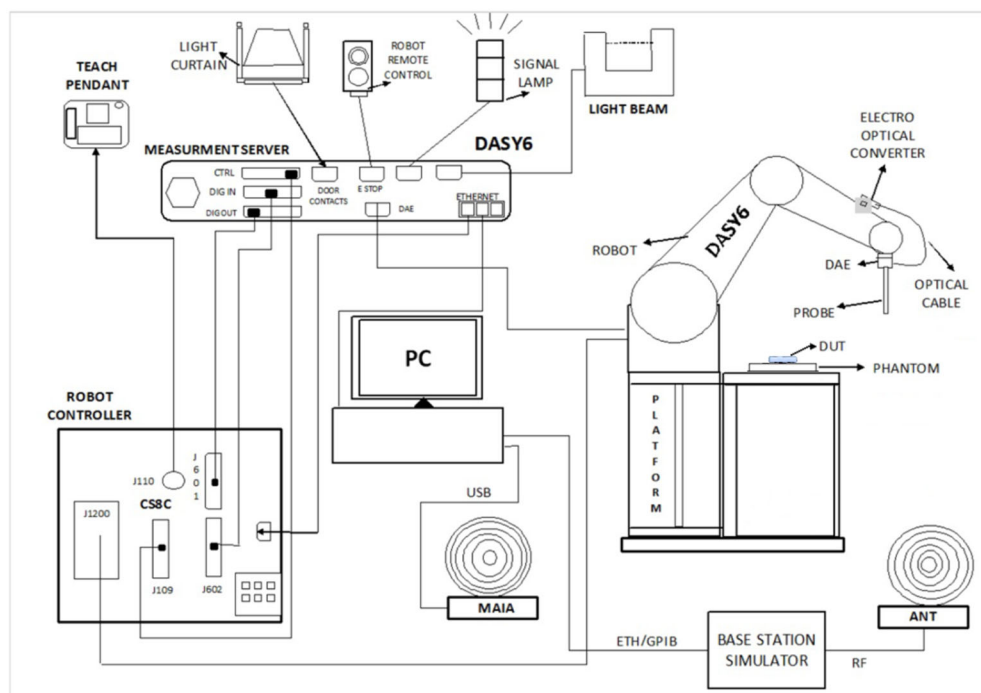
## 2. SAR Measurement System

### 2.1 DASY System Description

SAR Configurations is shown below:



Power Density Configurations is shown below:



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

- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- A data acquisition electronics (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.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7/8/10 and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

## 2.2 Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for utilize a 10mm<sup>2</sup> step integral, with 1mm interpolation used to locate the peak SAR area used for zoom scan assessments.

When an Area Scan has measured all reachable points, it computes the field maxima found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing.

### 2.2.1 Zoom Scan (Cube Scan Averaging)

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. A density of 1000 kg/m<sup>3</sup> is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1 g cube is 10mm, with the side length of the 10 g cube 21,5mm.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications utilize a physical step of 5x5x7 (8mmx8mmx5mm) providing a volume of 32mm in the X & Y axis, and 30mm in the Z axis.

### 2.2.2 SAR measurement drifts

Before an area scan and after the zoom scan, single point SAR measurements are performed at defined locations to estimate the SAR measurement drift due to device output power variations. If a device is known to drift randomly, additional single point drift reference measurements should be performed at regular intervals throughout the area and zoom scan test durations. The SAR drift shall be kept within  $\pm 5\%$ , whether there are substantial drifts or not. The field difference will be calculated in dB units in the DASY software.

### 2.2.3 Uncertainty of Inter-/Extrapolation and Averaging

In order to evaluate the uncertainty of the interpolation, extrapolation and averaged SAR calculation algorithms of the Postprocessor, DASY allows the generation of measurement grids which are artificially predefined by analytically based test functions. Therefore, the grids of area scans and zoom scans can be filled with uncertainty test data, according to the SAR benchmark functions.

### 2.3 DASY E-Field Probe

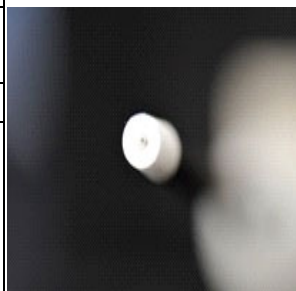
The SAR measurement is conducted with the dosimetric probe manufactured by SPEAG. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.

SPEAG conducts the probe calibration in compliance with international and national standards under ISO 17025. The calibration data are in Appendix D.

#### Isotropic E-Field Probe Specification

|               |                                                                                                                                                                                                            |                                                                                       |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Model         | Ex3DV4                                                                                                                                                                                                     |                                                                                       |
| Construction  | Symmetrical design with triangular core Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., DGBE)                                                   |                                                                                       |
| Frequency     | 4 MHz – 10 GHz<br>Linearity: ± 0.2 dB (30 MHz to 10 GHz)                                                                                                                                                   |  |
| Directivity   | ± 0.1 dB in TSL (rotation around probe axis)<br>± 0.3 dB in TSL (rotation normal to probe axis)                                                                                                            |                                                                                       |
| Dynamic Range | 10 µW/g to 100 mW/g<br>Linearity: ± 0.2 dB (noise: typically < 1 µW/g)                                                                                                                                     |                                                                                       |
| Dimensions    | Overall length: 337 mm (Tip: 20 mm)<br>Tip diameter: 2.5 mm (Body: 12 mm)<br>Typical distance from probe tip to dipole centers: 1 mm                                                                       |                                                                                       |
| Application   | High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%. |                                                                                       |

### E-Field mm-Wave Probe Specification

|                           |                                                                                                                                                                                                                             |                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Model</b>              | EUmmWVx                                                                                                                                                                                                                     |                                                                                     |
| <b>Construction</b>       | Two dipoles optimally arranged to obtain pseudo-vector information<br>Minimum three measurements/point, 120° rotated around probe axis<br>Sensors (0.8 mm length) printed on glass substrate protected by high density foam |                                                                                     |
| <b>Frequency</b>          | 750 MHz to 110 GHz                                                                                                                                                                                                          |  |
| <b>Dynamic Range</b>      | < 20 V/m to 10000 V/m with PRE-10<br>(min < 20 V/m to 2000 V/m)                                                                                                                                                             |                                                                                     |
| <b>Position Precision</b> | < 0.2 mm                                                                                                                                                                                                                    |                                                                                     |
| <b>Dimensions</b>         | Overall length: 337 mm (tip: 20 mm)<br>Tip diameter: encapsulation 8 mm<br>(internal sensor < 1mm)<br>Distance from probe tip to dipole centers:<br>< 2 mm<br>Sensor displacement to probe's calibration point: < 0.3 mm    |                                                                                     |
| <b>Application</b>        | E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space)<br>Power density, H-field, and far-field analysis using total field reconstruction      |                                                                                     |

## 2.4 DATA Acquisition Electronics (DAE) and Measurement Server

The data acquisition electronics (DAE) consists 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 and 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.

The input impedance of the DAE4 is 200M Ohm; the inputs are symmetrical and floating. Common mode rejection is above 80dB.



## 2.5 Robot

The DASY system uses the high precision robots TX90 XL type out of the newer series from Stäubli SA (France). For the 6-axis controller DASY system, the CS8C robot controller version from Stäubli is used.

The XL robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)
- 6-axis controller

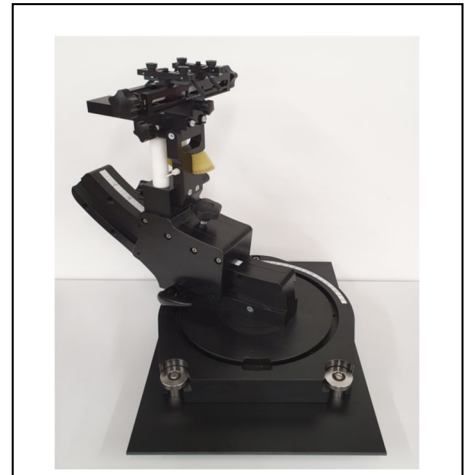


## 2.6 Device Holder

The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR).

Thus the device needs no repositioning when changing the angles.

The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon_r = 3$  and loss tangent  $\delta = 0.02$ . The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.



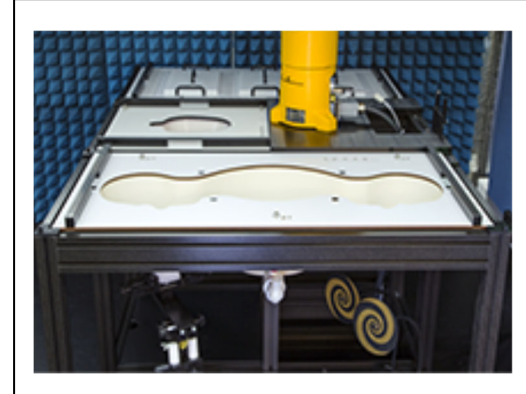
## 2.7 Phantom

### 2.7.1 SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm).

It has three measurement areas:

- Left head
- Right head
- Flat phantom



The device holder positions are adjusted to the standard measurement positions in the three sections. A cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

### 2.7.2 mmWave Phantom

The mmWave Phantom approximates free-space conditions, allowing to evaluate not only the antenna side of the device but also the front (screen) side or any opposite-radiating side of wireless devices operating above 10 GHz without distorting the RF field. It consists of a 40 mm thick Rohacell plate used as a test bed, which has a loss tangent ( $\tan \delta$ )  $\leq 0.05$  and a relative permittivity ( $\epsilon_r$ )  $\leq 1.2$ . High-performance RF absorbers are placed below the foam.



### 3. Tissue Simulating Liquid

#### 3.1 The composition of the tissue simulating liquid

**Description:** Aqueous solution with surfactants and inhibitors

**Declarable, or hazardous components:**

|                                                                        |                                                                                                                        |        |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------|
| CAS: 107-21-1<br>EINECS: 203-473-3<br>Reg.nr.: 01-2119456816-28-0000   | <b>Ethanediol</b><br>STOT RE 2, H373;<br>Acute Tox. 4, H302                                                            | < 5.2% |
| CAS: 68608-26-4<br>EINECS: 271-781-5<br>Reg.nr.: 01-2119527859-22-0000 | <b>Sodium petroleum sulfonate</b><br>Eye Irrit. 2, H319                                                                | < 2.9% |
| CAS: 107-41-5<br>EINECS: 203-489-0<br>Reg.nr.: 01-2119539582-35-0000   | <b>Hexylene Glycol / 2-Methyl-pentane-2,4-diol</b><br>Skin Irrit. 2, H315; Eye Irrit. 2, H319                          | < 2.9% |
| CAS: 68920-66-1<br>NLP: 500-236-9<br>Reg.nr.: 01-2119489407-26-0000    | <b>Alkoxylated alcohol, &gt; C<sub>16</sub></b><br>Aquatic Chronic 2, H411;<br>Skin Irrit. 2, H315; Eye Irrit. 2, H319 | < 2.0% |

#### 3.2 Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using Dielectric Probe Kit and Vector Network Analyzer.

| Date      | Tissue Type | Frequency (MHz) | Relative Permittivity (ε <sub>r</sub> ) |        |           | Conductivity (σ) |        |           | Tissue Temp. (°C) |
|-----------|-------------|-----------------|-----------------------------------------|--------|-----------|------------------|--------|-----------|-------------------|
|           |             |                 | Measured                                | Target | Delta (%) | Measured         | Target | Delta (%) |                   |
| 2025/5/14 | Head        | 750             | 42.67                                   | 41.90  | 1.84      | 0.91             | 0.89   | 2.25      | 21.7              |
|           | Head        | 673             | 42.91                                   | 42.31  | 1.42      | 0.88             | 0.89   | -1.12     |                   |
|           | Head        | 683             | 42.88                                   | 42.26  | 1.47      | 0.89             | 0.89   | 0.00      |                   |
|           | Head        | 688             | 42.86                                   | 42.23  | 1.49      | 0.89             | 0.89   | 0.00      |                   |
|           | Head        | 704             | 42.81                                   | 42.15  | 1.57      | 0.90             | 0.89   | 1.12      |                   |
|           | Head        | 707.5           | 42.80                                   | 42.13  | 1.59      | 0.90             | 0.89   | 1.12      |                   |
|           | Head        | 711             | 42.79                                   | 42.11  | 1.61      | 0.90             | 0.89   | 1.12      |                   |
|           | Head        | 782             | 42.57                                   | 41.75  | 1.96      | 0.92             | 0.89   | 3.37      |                   |
|           | Head        | 793             | 42.54                                   | 41.70  | 2.01      | 0.92             | 0.90   | 2.22      |                   |
| 2025/5/16 | Head        | 900             | 41.68                                   | 41.50  | 0.43      | 0.95             | 0.97   | -2.06     | 21.5              |
|           | Head        | 821.5           | 41.30                                   | 41.57  | -0.65     | 0.91             | 0.90   | 1.11      |                   |
|           | Head        | 826.4           | 41.33                                   | 41.54  | -0.51     | 0.92             | 0.90   | 2.22      |                   |
|           | Head        | 831.5           | 41.35                                   | 41.52  | -0.41     | 0.92             | 0.90   | 2.22      |                   |
|           | Head        | 836.6           | 41.37                                   | 41.50  | -0.31     | 0.92             | 0.90   | 2.22      |                   |
|           | Head        | 841.5           | 41.40                                   | 41.50  | -0.24     | 0.93             | 0.91   | 2.20      |                   |
|           | Head        | 846.6           | 41.42                                   | 41.50  | -0.19     | 0.93             | 0.91   | 2.20      |                   |

| Date      | Tissue Type | Frequency (MHz) | Relative Permittivity ( $\epsilon_r$ ) |        |           | Conductivity ( $\sigma$ ) |        |           | Tissue Temp. (°C) |
|-----------|-------------|-----------------|----------------------------------------|--------|-----------|---------------------------|--------|-----------|-------------------|
|           |             |                 | Measured                               | Target | Delta (%) | Measured                  | Target | Delta (%) |                   |
| 2025/5/18 | Head        | 1750            | 39.78                                  | 40.10  | -0.80     | 1.34                      | 1.37   | -2.19     | 21.9              |
|           | Head        | 1712.4          | 39.69                                  | 40.13  | -1.10     | 1.32                      | 1.35   | -2.22     |                   |
|           | Head        | 1720            | 39.71                                  | 40.13  | -1.05     | 1.33                      | 1.35   | -1.48     |                   |
|           | Head        | 1732.6          | 39.74                                  | 40.12  | -0.95     | 1.33                      | 1.36   | -2.21     |                   |
|           | Head        | 1745            | 39.77                                  | 40.10  | -0.82     | 1.34                      | 1.37   | -2.19     |                   |
|           | Head        | 1752.6          | 39.79                                  | 40.10  | -0.77     | 1.34                      | 1.37   | -2.19     |                   |
|           | Head        | 1770            | 39.83                                  | 40.06  | -0.57     | 1.35                      | 1.38   | -2.17     |                   |
| 2025/5/20 | Head        | 1950            | 40.64                                  | 40.00  | 1.60      | 1.40                      | 1.40   | 0.00      | 21.9              |
|           | Head        | 1852.4          | 41.10                                  | 40.00  | 2.75      | 1.36                      | 1.40   | -2.86     |                   |
|           | Head        | 1860            | 41.06                                  | 40.00  | 2.65      | 1.37                      | 1.40   | -2.14     |                   |
|           | Head        | 1880            | 40.97                                  | 40.00  | 2.43      | 1.37                      | 1.40   | -2.14     |                   |
|           | Head        | 1882.5          | 40.96                                  | 40.00  | 2.40      | 1.38                      | 1.40   | -1.43     |                   |
|           | Head        | 1905            | 40.85                                  | 40.00  | 2.13      | 1.39                      | 1.40   | -0.71     |                   |
|           | Head        | 1907.6          | 40.84                                  | 40.00  | 2.10      | 1.39                      | 1.40   | -0.71     |                   |
| 2025/5/27 | Head        | 2450            | 39.75                                  | 39.20  | 1.40      | 1.77                      | 1.80   | -1.67     | 22.1              |
|           | Head        | 2412            | 39.89                                  | 39.28  | 1.55      | 1.72                      | 1.77   | -2.82     |                   |
|           | Head        | 2437            | 39.80                                  | 39.23  | 1.45      | 1.76                      | 1.79   | -1.68     |                   |
|           | Head        | 2441            | 39.78                                  | 39.22  | 1.43      | 1.76                      | 1.79   | -1.68     |                   |
|           | Head        | 2462            | 39.71                                  | 39.18  | 1.35      | 1.79                      | 1.81   | -1.10     |                   |
| 2025/5/26 | Head        | 2600            | 37.69                                  | 39.00  | -3.36     | 1.92                      | 1.96   | -2.04     | 21.8              |
|           | Head        | 2506            | 37.98                                  | 39.13  | -2.94     | 1.80                      | 1.86   | -3.23     |                   |
|           | Head        | 2525.1          | 37.92                                  | 39.10  | -3.02     | 1.83                      | 1.88   | -2.66     |                   |
|           | Head        | 2535            | 37.89                                  | 39.09  | -3.07     | 1.84                      | 1.89   | -2.65     |                   |
|           | Head        | 2549.5          | 37.84                                  | 39.07  | -3.15     | 1.86                      | 1.91   | -2.62     |                   |
|           | Head        | 2560            | 37.81                                  | 39.05  | -3.18     | 1.87                      | 1.92   | -2.60     |                   |
|           | Head        | 2580            | 37.75                                  | 39.03  | -3.28     | 1.90                      | 1.94   | -2.06     |                   |
|           | Head        | 2583.1          | 37.74                                  | 39.02  | -3.28     | 1.90                      | 1.94   | -2.06     |                   |
|           | Head        | 2585.1          | 37.73                                  | 39.02  | -3.31     | 1.90                      | 1.94   | -2.06     |                   |
|           | Head        | 2593            | 37.71                                  | 39.01  | -3.33     | 1.91                      | 1.95   | -2.05     |                   |
|           | Head        | 2595            | 37.70                                  | 39.01  | -3.36     | 1.91                      | 1.96   | -2.55     |                   |
|           | Head        | 2610            | 37.65                                  | 38.99  | -3.44     | 1.93                      | 1.97   | -2.03     |                   |
|           | Head        | 2636.5          | 37.57                                  | 38.96  | -3.57     | 1.97                      | 2.00   | -1.50     |                   |
|           | Head        | 2680            | 37.43                                  | 38.90  | -3.78     | 2.02                      | 2.05   | -1.46     |                   |

| Date      | Tissue Type | Frequency (MHz) | Relative Permittivity ( $\epsilon_r$ ) |        |           | Conductivity ( $\sigma$ ) |        |           | Tissue Temp. (°C) |
|-----------|-------------|-----------------|----------------------------------------|--------|-----------|---------------------------|--------|-----------|-------------------|
|           |             |                 | Measured                               | Target | Delta (%) | Measured                  | Target | Delta (%) |                   |
| 2025/6/1  | Head        | 2600            | 38.22                                  | 38.90  | -3.78     | 1.95                      | 2.05   | -4.88     | 22.3              |
|           | Head        | 2506            | 38.63                                  | 39.13  | -1.28     | 1.83                      | 1.86   | -1.61     |                   |
|           | Head        | 2549.5          | 38.44                                  | 39.07  | -1.61     | 1.88                      | 1.91   | -1.57     |                   |
|           | Head        | 2583.1          | 38.29                                  | 39.02  | -1.87     | 1.92                      | 1.94   | -1.03     |                   |
|           | Head        | 2593            | 38.25                                  | 39.01  | -1.95     | 1.94                      | 1.95   | -0.51     |                   |
|           | Head        | 2636.5          | 38.05                                  | 38.96  | -2.34     | 1.99                      | 2.00   | -0.50     |                   |
|           | Head        | 2680            | 37.86                                  | 38.90  | -2.67     | 2.05                      | 2.05   | 0.00      |                   |
| 2025/5/28 | Head        | 3500            | 37.89                                  | 37.95  | -0.16     | 2.89                      | 2.92   | -1.03     | 22.2              |
|           | Head        | 3460            | 38.01                                  | 37.99  | 0.05      | 2.85                      | 2.87   | -0.70     |                   |
|           | Head        | 3490.1          | 37.92                                  | 37.96  | -0.11     | 2.88                      | 2.91   | -1.03     |                   |
|           | Head        | 3503.3          | 37.88                                  | 37.95  | -0.18     | 2.89                      | 2.92   | -1.03     |                   |
|           | Head        | 3546.7          | 37.75                                  | 37.90  | -0.40     | 2.94                      | 2.96   | -0.68     |                   |
|           | Head        | 3560            | 37.71                                  | 37.88  | -0.45     | 2.95                      | 2.98   | -1.01     |                   |
|           | Head        | 3575            | 37.66                                  | 37.87  | -0.55     | 2.97                      | 2.99   | -0.67     |                   |
|           | Head        | 3590            | 37.62                                  | 37.85  | -0.61     | 2.98                      | 3.01   | -1.00     |                   |
|           | Head        | 3603.3          | 37.58                                  | 37.84  | -0.69     | 3.00                      | 3.02   | -0.66     |                   |
|           | Head        | 3646.7          | 37.45                                  | 37.79  | -0.90     | 3.04                      | 3.07   | -0.98     |                   |
| 2025/6/4  | Head        | 3700            | 37.68                                  | 37.73  | -0.13     | 3.07                      | 3.12   | -1.60     | 22.1              |
|           | Head        | 3610            | 37.41                                  | 37.83  | -1.11     | 2.99                      | 3.03   | -1.32     |                   |
|           | Head        | 3650            | 37.53                                  | 37.79  | -0.69     | 3.03                      | 3.07   | -1.30     |                   |
|           | Head        | 3690            | 37.65                                  | 37.74  | -0.24     | 3.06                      | 3.11   | -1.61     |                   |
| 2025/5/21 | Head        | 5250            | 36.38                                  | 35.95  | 1.20      | 4.77                      | 4.71   | 1.27      | 21.7              |
|           | Head        | 5290            | 36.27                                  | 35.91  | 1.00      | 4.82                      | 4.75   | 1.47      |                   |
|           | Head        | 5600            | 35.41                                  | 35.50  | -0.25     | 5.25                      | 5.07   | 3.55      |                   |
|           | Head        | 5530            | 35.60                                  | 35.61  | -0.03     | 5.15                      | 5.00   | 3.00      |                   |
|           | Head        | 5610            | 35.38                                  | 35.49  | -0.31     | 5.26                      | 5.08   | 3.54      |                   |
|           | Head        | 5690            | 35.17                                  | 35.41  | -0.68     | 5.36                      | 5.16   | 3.88      |                   |
|           | Head        | 5800            | 34.86                                  | 35.30  | -1.25     | 5.51                      | 5.27   | 4.55      |                   |
|           | Head        | 5775            | 34.93                                  | 35.33  | -1.13     | 5.47                      | 5.25   | 4.19      |                   |
|           | Head        | 5855            | 34.71                                  | 35.25  | -1.53     | 5.58                      | 5.33   | 4.69      |                   |

| Date      | Tissue Type | Frequency (MHz) | Relative Permittivity ( $\epsilon_r$ ) |        |           | Conductivity ( $\sigma$ ) |        |           | Tissue Temp. (°C) |
|-----------|-------------|-----------------|----------------------------------------|--------|-----------|---------------------------|--------|-----------|-------------------|
|           |             |                 | Measured                               | Target | Delta (%) | Measured                  | Target | Delta (%) |                   |
| 2025/5/24 | Head        | 6500            | 34.40                                  | 34.50  | -0.29     | 5.97                      | 6.07   | -1.65     | 21.7              |
|           | Head        | 6105            | 34.90                                  | 34.97  | -0.21     | 5.55                      | 5.60   | -0.89     |                   |
|           | Head        | 6265            | 34.70                                  | 34.78  | -0.24     | 5.72                      | 5.79   | -1.21     |                   |
|           | Head        | 6585            | 34.30                                  | 34.40  | -0.28     | 6.06                      | 6.17   | -1.78     |                   |
|           | Head        | 6745            | 34.10                                  | 34.21  | -0.31     | 6.22                      | 6.35   | -2.05     |                   |
|           | Head        | 6905            | 33.90                                  | 34.01  | -0.34     | 6.39                      | 6.54   | -2.29     |                   |

### 3.3 Tissue Dielectric Parameters for Phantoms

The head tissue dielectric parameters recommended by the IEC/IEEE 62209-1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head tissue parameters that have not been specified are interpolated according to the head parameters specified in IEC/IEEE 62209-1528.

| Target Frequency<br>(MHz) | Head         |                |
|---------------------------|--------------|----------------|
|                           | $\epsilon_r$ | $\sigma$ (S/m) |
| 450                       | 43.5         | 0.87           |
| 750                       | 41.9         | 0.89           |
| 835                       | 41.5         | 0.90           |
| 900                       | 41.5         | 0.97           |
| 1450                      | 40.5         | 1.20           |
| 1640                      | 40.2         | 1.31           |
| 1750                      | 40.1         | 1.37           |
| 1800 – 2000               | 40.0         | 1.40           |
| 2450                      | 39.2         | 1.80           |
| 3000                      | 38.5         | 2.40           |
| 5000                      | 36.2         | 4.45           |
| 5200                      | 36.0         | 4.66           |
| 5400                      | 35.8         | 4.86           |
| 5600                      | 35.5         | 5.07           |
| 5800                      | 35.3         | 5.27           |
| 6000                      | 35.1         | 5.48           |
| 6500                      | 34.5         | 6.07           |
| 7000                      | 33.9         | 6.65           |
| 7500                      | 33.3         | 7.24           |

## 4. Measurement Procedure

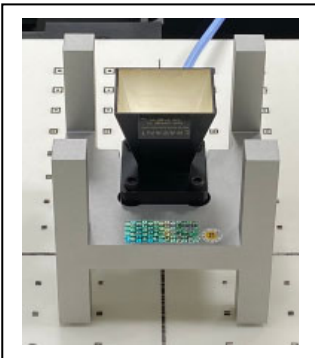
### 4.1 SAR System Check

#### 4.1.1 Dipoles



The SAR dipoles are optimized symmetrical dipole with  $\lambda/4$  balun matched to a Flat phantom section filled with tissue simulating liquids. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC signals. They are available for the variety of frequencies between 300MHz and 10 GHz. The provided tripod is used to hold the dipole below the phantom. As the distance between the dipole center and the TSL is critical, a spacer is placed between the dipole and the phantom. The spacing distance is frequency dependent.

#### 4.1.2 Verification Source



The verification sources apply to system check or verification at specific mmWave frequencies. The sources comprise horn-antennas and very stable signal generators.

### 4.1.3 SAR System Check Result

1. Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %.
2. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

| Date      | Frequency<br>(MHz) | Input<br>Power<br>(mW) | Measured<br>1g SAR<br>(W/kg) | Targeted<br>1g SAR<br>(W/kg) | Normalized<br>1g SAR<br>(W/kg) | Delta 1g<br>±10<br>(%) | Measured<br>10g SAR<br>(W/kg) | Targeted<br>10g SAR<br>(W/kg) | Normalized<br>10g SAR<br>(W/kg) | Delta 10g<br>±10<br>(%) | Tissue<br>Temp.<br>(°C) |
|-----------|--------------------|------------------------|------------------------------|------------------------------|--------------------------------|------------------------|-------------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------|
| 2025/5/14 | 750                | 250                    | 2.12                         | 8.52                         | 8.48                           | -0.47                  | 1.38                          | 5.56                          | 5.52                            | -0.72                   | 21.7                    |
| 2025/5/16 | 900                | 250                    | 2.71                         | 10.90                        | 10.84                          | -0.55                  | 1.75                          | 7.00                          | 7                               | 0.00                    | 21.5                    |
| 2025/5/18 | 1750               | 250                    | 9.12                         | 36.70                        | 36.48                          | -0.60                  | 4.82                          | 19.30                         | 19.28                           | -0.10                   | 21.9                    |
| 2025/5/20 | 1950               | 250                    | 9.96                         | 40.10                        | 39.84                          | -0.65                  | 5.19                          | 20.80                         | 20.76                           | -0.19                   | 21.9                    |
| 2025/5/27 | 2450               | 250                    | 13.40                        | 52.40                        | 53.6                           | 2.29                   | 6.25                          | 24.60                         | 25                              | 1.63                    | 22.1                    |
| 2025/5/26 | 2600               | 250                    | 14.20                        | 56.10                        | 56.8                           | 1.25                   | 6.37                          | 25.00                         | 25.48                           | 1.92                    | 21.8                    |
| 2025/6/1  | 2600               | 250                    | 14.10                        | 56.10                        | 56.4                           | 0.53                   | 6.35                          | 25.00                         | 25.4                            | 1.60                    | 22.3                    |
| 2025/5/28 | 3500               | 100                    | 6.49                         | 65.60                        | 64.9                           | -1.07                  | 2.45                          | 24.80                         | 24.5                            | -1.21                   | 22.2                    |
| 2025/6/4  | 3700               | 100                    | 6.77                         | 66.90                        | 67.7                           | 1.20                   | 2.47                          | 24.40                         | 24.7                            | 1.23                    | 22.1                    |
| 2025/5/21 | 5250               | 100                    | 7.73                         | 78.10                        | 77.3                           | -1.02                  | 2.23                          | 22.40                         | 22.3                            | -0.45                   | 21.7                    |
| 2025/5/21 | 5600               | 100                    | 8.23                         | 82.30                        | 82.3                           | 0.00                   | 2.34                          | 23.50                         | 23.4                            | -0.43                   | 21.7                    |
| 2025/5/21 | 5800               | 100                    | 8.09                         | 80.20                        | 80.9                           | 0.87                   | 2.29                          | 22.80                         | 22.9                            | 0.44                    | 21.7                    |
| 2025/5/24 | 6500               | 100                    | 29.00                        | 294.00                       | 290                            | -1.36                  | 5.29                          | 53.90                         | 52.9                            | -1.86                   | 21.7                    |

#### 4.1.4 Power Density System Check Result

The system performance check verifies that the system operates within its specifications.

The system check is successful if the difference between the normalized measured local power density and the numerically validated target value is within the reported expanded uncertainty of the measurement system.

The recommended settings for measurement of verification sources are listed in the following:

| Frequency (GHz) | Grid step             | Grid extent X/Y (mm) | Measurement points |
|-----------------|-----------------------|----------------------|--------------------|
| 10              | 0.125 ( $\lambda/8$ ) | 60 / 60              | 18 x 18            |

According to the DASY specification in the user's manual and SPEAG's recommendation, the deviation threshold of  $\pm 0.66$  dB represents the expanded standard uncertainty for system performance check. The system check is successful if the measured results are within  $\pm 0.66$  dB tolerances to the target value shown in the calibration certificate of the verification source.

| Date       | Frequency (GHz) | Distance (mm) | Input Power (mW) | Measured Avg PD 4 cm <sup>2</sup> (W/m <sup>2</sup> ) | Targeted Avg PD 4 cm <sup>2</sup> (W/m <sup>2</sup> ) | Deviation (dB) |
|------------|-----------------|---------------|------------------|-------------------------------------------------------|-------------------------------------------------------|----------------|
| 2025/05/25 | 10              | 10            | 138              | 178.0                                                 | 187.00                                                | -0.21          |

Note: The Measured Avg PD was the average of psPDn+, psPDtot+ and psPDmod+, which refers to the demonstration from calibration certificate.

## 4.2 SAR Measurement Procedure

The Dasy calculates SAR using the following equation,

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

Where :

$\sigma$ : represents the simulated tissue conductivity

$\rho$ : represents the tissue density

E :RMS electric field strength (V/m)

The SAR / APD measurements for the EUT should be performed on the channel that produces the highest rated output power of each transmitting antenna.

Pre-scans are made on the device to establish the location for the transmitting antenna, using a large area scan in either air or tissue simulation fluid.

The EUT is placed against the Universal Phantom where the maximum area scan dimensions are larger than the physical size of the resonating antenna. When the scan size is not large enough to cover the peak SAR / APD distribution, it is modified by either extending the area scan size in both the X and Y directions, or the device is shifted within the predefined area.

The area scan is then run to establish the peak SAR / APD location (interpolated resolution set at 1mm<sup>2</sup>) which is then used to orient the center of the zoom scan. The zoom scan is then executed and the 1g and 10g averages are derived from the zoom scan volume (interpolated resolution set at 1mm<sup>3</sup>).

### 4.3 Absorbed Power Density (APD)

Absorbed Power Density (APD) is defined as the energy flow per unit area directly under the body surface that based on Poynting vector. The equation description is as below:

$$S_{ab} = \iint_A \text{Re}[S] \cdot \frac{ds}{A} = \iint_A \text{Re}[E \times H^*] \cdot \frac{ds}{A}$$

Where:

E = electric field strength (V/m)

H = magnetic field strength (A/m)

S = power density (W/m<sup>2</sup> or mW/cm<sup>2</sup>)

APD is expressed in units of Watts per square meter or units of milliwatt per square centimeter.

### 4.4 Power Density Measurement Procedure

The power density for an electromagnetic field represents the rate of energy transfer per unit area. The local power density (i.e. Poynting vector) at a given spatial point is deduced from electromagnetic fields by the following formula:

$$S = \frac{1}{2} \text{Re}[E \times H^*] \cdot \vec{n}$$

Where: E is the complex electric field peak phasor and H is the complex conjugate magnetic field peak phasor.

The spatial-average power density distribution on the evaluation surface is determined per the IEC TR 63170. The spatial area, A is specified by the applicable exposure limit or regulatory requirements. The circular shape was used.

$$S_{av} = \frac{1}{2A} \Re(\int E \times H \cdot \hat{n} dA)$$

## 5. RF Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, RSS-102 Issue 6, and comply with ANSI/IEEE C95.1-1992 “Uncontrolled Environments” limits. These limits apply to a location which is deemed as “Uncontrolled Environment” which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

### Limits for General Population/Uncontrolled Exposure (W/kg)

| Type Exposure                                            | Uncontrolled Environment Limit |
|----------------------------------------------------------|--------------------------------|
| Spatial Peak SAR (1g cube tissue for brain or body)      | <b>1.60 W/kg</b>               |
| Spatial Average SAR (whole body)                         | <b>0.08 W/kg</b>               |
| Spatial Peak SAR (10g for hands, feet, ankles and wrist) | <b>4.00 W/kg</b>               |
| Power density <sup>1</sup>                               | <b>1 mW/cm<sup>2</sup></b>     |

Note: 1 mW/cm<sup>2</sup> = 10 W/m<sup>2</sup>

## 6. Test Equipment List

| Instrument                        | Manufacturer | Model No.                    | Serial No.    | Last Calibration | Next Calibration |
|-----------------------------------|--------------|------------------------------|---------------|------------------|------------------|
| Reference Dipole 750MHz           | Speag        | D750V3                       | 1031          | 2023/05/16       | 2026/05/15       |
| Reference Dipole 900MHz           | Speag        | D900V2                       | 1d176         | 2022/11/24       | 2025/11/23       |
| Reference Dipole 1750MHz          | Speag        | D1750V2                      | 1113          | 2022/11/21       | 2025/11/20       |
| Reference Dipole 1950MHz          | Speag        | D1950V3                      | 1213          | 2022/11/18       | 2025/11/17       |
| Reference Dipole 2450MHz          | Speag        | D2450V2                      | 930           | 2022/11/21       | 2025/11/20       |
| Reference Dipole 2600MHz          | Speag        | D2600V2                      | 1202          | 2023/02/01       | 2026/01/31       |
| Reference Dipole 3500MHz          | Speag        | D3500V2                      | 1119          | 2024/02/15       | 2027/02/14       |
| Reference Dipole 3700MHz          | Speag        | D3700V2                      | 1056          | 2022/11/22       | 2025/11/21       |
| Reference Dipole 5GHz             | Speag        | D5GHzV2                      | 1321          | 2024/03/12       | 2027/03/11       |
| Reference Dipole 6.5GHz           | Speag        | D6.5GHzV2                    | 1021          | 2024/02/12       | 2027/02/11       |
| Verification Source Antenna 10GHz | Speag        | 5G Verification Source 10GHz | 2006          | 2025/04/14       | 2026/04/13       |
| Device Holder                     | Speag        | N/A                          | N/A           | N/A              | N/A              |
| Data Acquisition Electronic       | Speag        | DAE4                         | 1651          | 2025/02/12       | 2026/02/11       |
| Data Acquisition Electronic       | Speag        | DAE4                         | 1425          | 2024/11/18       | 2025/11/17       |
| E-Field Probe                     | Speag        | EX3DV4                       | 7631          | 2025/02/26       | 2026/02/25       |
| E-Field Probe                     | Speag        | EX3DV4                       | 3979          | 2024/11/20       | 2025/11/19       |
| mmWave E-field Probe              | Speag        | EUmmWV4                      | 9546          | 2025/04/16       | 2026/04/15       |
| SAR Software                      | Speag        | DASY52                       | V52.10.4.1535 | N/A              | N/A              |
| SAR Software                      | Speag        | cDASY6                       | V16.4.0.5005  | N/A              | N/A              |
| Power Amplifier                   | Mini-Circuit | ZHL-42                       | D051404-20    | N/A              | N/A              |
| Power Amplifier                   | Mini-Circuit | ZVE-8G+                      | 447202211     | N/A              | N/A              |
| Directional Coupler               | Agilent      | 87300C                       | MY44300353    | N/A              | N/A <sup>1</sup> |
| Attenuator                        | Woken        | WATT-218FS-10                | N/A           | N/A              | N/A <sup>1</sup> |
| Attenuator                        | Mini-Circuit | BW-S20W2+                    | N/A           | N/A              | N/A <sup>1</sup> |
| Universal Radio Communication     | Anritsu      | MT8821C                      | 6262044740    | 2024/06/24       | 2025/06/23       |
| Vector Network Analyzer           | Agilent      | E5071C                       | MY46108013    | 2025/03/28       | 2026/03/27       |
| Signal Generator                  | Anritsu      | MG3694A                      | 041902        | 2024/08/20       | 2025/08/19       |
| Power Meter                       | Anritsu      | ML2487A                      | 6K00001447    | 2024/10/19       | 2025/10/18       |
| Power Sensor                      | Anritsu      | MA2411B                      | 1339194       | 2024/10/19       | 2025/10/18       |

Note: 1. System Check, the path loss measured by the network analyzer, includes the signal generator, amplifier, cable, attenuator and directional coupler.

## Note:

Per requirements for dipole calibration, the following are recommended procedures for SAR dipole calibration.

1. After a dipole is damaged and properly repaired to meet required specifications.
2. When the measured SAR deviates from the calibrated SAR value by more than 10% due to changes in physical, mechanical, electrical or other relevant dipole conditions.
3. When the most recent return-loss, measured at least annually, deviates by more than 20% from the previous measurement (i.e. 0.2 of the dB value) or not meeting the required -20 dB return-loss specification.

## D750V3-1031

|             | Frequency | Tissue | Return loss | Limit      | Date      |
|-------------|-----------|--------|-------------|------------|-----------|
| Calibration | 750 MHz   | Head   | -27.0       | Within 20% | 2023/5/16 |
| Measurement | 750 MHz   | Head   | -27.06      |            | 2024/5/12 |
| Measurement | 750 MHz   | Head   | -27.04      |            | 2025/5/11 |

## D900V2-1d176

|             | Frequency | Tissue | Return loss | Limit      | Date       |
|-------------|-----------|--------|-------------|------------|------------|
| Calibration | 900 MHz   | Head   | -31.1       | Within 20% | 2022/11/24 |
| Measurement | 900 MHz   | Head   | -31.03      |            | 2023/11/16 |
| Measurement | 900 MHz   | Head   | -30.97      |            | 2024/11/12 |

## D1750V2-1113

|             | Frequency | Tissue | Return loss | Limit      | Date       |
|-------------|-----------|--------|-------------|------------|------------|
| Calibration | 1750 MHz  | Head   | -29.0       | Within 20% | 2022/11/21 |
| Measurement | 1750 MHz  | Head   | -29.69      |            | 2023/11/16 |
| Measurement | 1750 MHz  | Head   | -29.36      |            | 2024/11/12 |

## D1950V3-1213

|             | Frequency | Tissue | Return loss | Limit      | Date       |
|-------------|-----------|--------|-------------|------------|------------|
| Calibration | 1950 MHz  | Head   | -30.4       | Within 20% | 2022/11/18 |
| Measurement | 1950 MHz  | Head   | -30.32      |            | 2023/11/16 |
| Measurement | 1950 MHz  | Head   | -30.17      |            | 2024/11/12 |

## D2600V2-1202

|             | Frequency | Tissue | Return loss | Limit      | Date      |
|-------------|-----------|--------|-------------|------------|-----------|
| Calibration | 2600 MHz  | Head   | -28.6       | Within 20% | 2023/2/1  |
| Measurement | 2600 MHz  | Head   | -28.82      |            | 2024/1/29 |
| Measurement | 2600 MHz  | Head   | -28.85      |            | 2025/1/28 |

## D3500V2-1119

|             | Frequency | Tissue | Return loss | Limit      | Date      |
|-------------|-----------|--------|-------------|------------|-----------|
| Calibration | 3400 MHz  | Head   | -22.5       | Within 20% | 2024/2/15 |
| Measurement | 3400 MHz  | Head   | -22.23      |            | 2025/2/14 |

## D3700V2-1056

|             | Frequency | Tissue | Return loss | Limit      | Date       |
|-------------|-----------|--------|-------------|------------|------------|
| Calibration | 3700 MHz  | Head   | -34.5       | Within 20% | 2022/11/22 |
| Measurement | 3700 MHz  | Head   | -34.17      |            | 2023/11/16 |
| Measurement | 3700 MHz  | Head   | -34.3       |            | 2024/11/12 |

## D5GHzV2-1321

|             | Frequency | Tissue | Return loss | Limit      | Date      |
|-------------|-----------|--------|-------------|------------|-----------|
| Calibration | 5250 MHz  | Head   | -40.1       | Within 20% | 2024/3/12 |
| Measurement | 5250 MHz  | Head   | -40.37      |            | 2025/3/11 |
| Calibration | 5600 MHz  | Head   | -25.4       | Within 20% | 2024/3/12 |
| Measurement | 5600 MHz  | Head   | -26.03      |            | 2025/3/11 |
| Calibration | 5800 MHz  | Head   | -22.6       | Within 20% | 2024/3/12 |
| Measurement | 5800 MHz  | Head   | -22.97      |            | 2025/3/11 |

## D6.5GHzV2-1021

|             | Frequency | Tissue | Return loss | Limit      | Date      |
|-------------|-----------|--------|-------------|------------|-----------|
| Calibration | 6500 MHz  | Head   | -27.6       | Within 20% | 2024/2/12 |
| Measurement | 6500 MHz  | Head   | -27.70      |            | 2025/2/10 |

4. When the most recent measurement of the real or imaginary parts of the impedance, measured at least annually, deviates by more than 5  $\Omega$  from the previous measurement.

## D750V3-1031

|             | Frequency | Tissue | Impedance | Limit             | Date      |
|-------------|-----------|--------|-----------|-------------------|-----------|
| Calibration | 750 MHz   | Head   | 54.5      | Within 5 $\Omega$ | 2023/5/16 |
| Measurement | 750 MHz   | Head   | 54.46     |                   | 2024/5/12 |
| Measurement | 750 MHz   | Head   | 54.46     |                   | 2025/5/11 |

## D900V2-1d176

|             | Frequency | Tissue | Impedance | Limit             | Date       |
|-------------|-----------|--------|-----------|-------------------|------------|
| Calibration | 900 MHz   | Head   | 52.8      | Within 5 $\Omega$ | 2022/11/24 |
| Measurement | 900 MHz   | Head   | 52.80     |                   | 2023/11/16 |
| Measurement | 900 MHz   | Head   | 52.92     |                   | 2024/11/12 |

## D1750V2-1113

|             | Frequency | Tissue | Impedance | Limit             | Date       |
|-------------|-----------|--------|-----------|-------------------|------------|
| Calibration | 1750 MHz  | Head   | 51.3      | Within 5 $\Omega$ | 2022/11/21 |
| Measurement | 1750 MHz  | Head   | 51.34     |                   | 2023/11/16 |
| Measurement | 1750 MHz  | Head   | 51.94     |                   | 2024/11/12 |

## D1950V3-1213

|             | Frequency | Tissue | Impedance | Limit             | Date       |
|-------------|-----------|--------|-----------|-------------------|------------|
| Calibration | 1950 MHz  | Head   | 49.0      | Within 5 $\Omega$ | 2022/11/18 |
| Measurement | 1950 MHz  | Head   | 48.90     |                   | 2023/11/16 |
| Measurement | 1950 MHz  | Head   | 48.69     |                   | 2024/11/12 |

## D2600V2-1202

|             | Frequency | Tissue | Impedance | Limit             | Date      |
|-------------|-----------|--------|-----------|-------------------|-----------|
| Calibration | 2600 MHz  | Head   | 46.4      | Within 5 $\Omega$ | 2023/2/1  |
| Measurement | 2600 MHz  | Head   | 46.47     |                   | 2024/1/29 |
| Measurement | 2600 MHz  | Head   | 46.47     |                   | 2025/1/28 |

## D3500V2-1119

|             | Frequency | Tissue | Impedance | Limit     | Date      |
|-------------|-----------|--------|-----------|-----------|-----------|
| Calibration | 3400 MHz  | Head   | 44.9      | Within 5Ω | 2024/2/15 |
| Measurement | 3400 MHz  | Head   | 44.39     |           | 2025/2/14 |

## D3700V2-1056

|             | Frequency | Tissue | Impedance | Limit     | Date       |
|-------------|-----------|--------|-----------|-----------|------------|
| Calibration | 3700 MHz  | Head   | 49.4      | Within 5Ω | 2022/11/22 |
| Measurement | 3700 MHz  | Head   | 49.27     |           | 2023/11/16 |
| Measurement | 3700 MHz  | Head   | 49.39     |           | 2024/11/12 |

## D5GHzV2-1321

|             | Frequency | Tissue | Impedance | Limit     | Date      |
|-------------|-----------|--------|-----------|-----------|-----------|
| Calibration | 5250 MHz  | Head   | 50.1      | Within 5Ω | 2024/3/12 |
| Measurement | 5250 MHz  | Head   | 51.51     |           | 2025/3/11 |
| Calibration | 5600 MHz  | Head   | 53.6      | Within 5Ω | 2024/3/12 |
| Measurement | 5600 MHz  | Head   | 51.22     |           | 2025/3/11 |
| Calibration | 5800 MHz  | Head   | 53.0      | Within 5Ω | 2024/3/12 |
| Measurement | 5800 MHz  | Head   | 51.37     |           | 2025/3/11 |

## D6.5GHzV2-1021

|             | Frequency | Tissue | Impedance | Limit     | Date      |
|-------------|-----------|--------|-----------|-----------|-----------|
| Calibration | 6500 MHz  | Head   | 53.5      | Within 5Ω | 2024/2/12 |
| Measurement | 6500 MHz  | Head   | 53.26     |           | 2025/2/10 |

## 7. Measurement Uncertainty

| Measurement uncertainty for 300 MHz to 3 GHz |               |             |       |         |          |                |                 |
|----------------------------------------------|---------------|-------------|-------|---------|----------|----------------|-----------------|
| Error Description                            | Uncert. value | Prob. Dist. | Div.  | (ci) 1g | (ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) |
| <b>Measurement System Errors</b>             |               |             |       |         |          |                |                 |
| Probe Calibration                            | ±13.3%        | N           | 2     | 1       | 1        | ±6.7%          | ±6.7%           |
| Probe Calibration Drift                      | ±1.7%         | R           | 1.732 | 1       | 1        | ±1.0%          | ±1.0%           |
| Probe Linearity                              | ±4.7%         | R           | 1.732 | 1       | 1        | ±2.7%          | ±2.7%           |
| Broadband Signal                             | ±2.8%         | R           | 1.732 | 1       | 1        | ±1.6%          | ±1.6%           |
| Probe Isotropy                               | ±7.6%         | R           | 1.732 | 1       | 1        | ±4.4%          | ±4.4%           |
| Other Probe+Electronic                       | ±0.8%         | N           | 1     | 1       | 1        | ±0.8%          | ±0.8%           |
| RF Ambient                                   | ±1.8%         | N           | 1     | 1       | 1        | ±1.8%          | ±1.8%           |
| Probe Positioning                            | ±0.006 mm     | N           | 1     | 0.14    | 0.14     | ±0.1%          | ±0.1%           |
| Data Processing                              | ±1.2%         | N           | 1     | 1       | 1        | ±1.2%          | ±1.2%           |
| <b>Phantom and Device Errors</b>             |               |             |       |         |          |                |                 |
| Conductivity (meas.)                         | ±2.5%         | N           | 1     | 0.78    | 0.71     | ±2.0%          | ±1.8%           |
| Conductivity (temp.)                         | ±3.3%         | R           | 1.732 | 0.78    | 0.71     | ±1.5%          | ±1.4%           |
| Phantom Permittivity                         | ±14.0%        | R           | 1.732 | 0       | 0        | ±0.0%          | ±0.0%           |
| Distance DUT - TSL                           | ±2.0%         | N           | 1     | 2       | 2        | ±4.0%          | ±4.0%           |
| Device Positioning                           | ±1.0%         | N           | 1     | 1       | 1        | ±1.0%          | ±1.0%           |
| Device Holder                                | ±3.6%         | N           | 1     | 1       | 1        | ±3.6%          | ±3.6%           |
| DUT Modulation                               | ±2.4%         | R           | 1.732 | 1       | 1        | ±1.4%          | ±1.4%           |
| Time-average SAR                             | ±1.7%         | R           | 1.732 | 1       | 1        | ±1.0%          | ±1.0%           |
| DUT drift                                    | ±2.5%         | N           | 1     | 1       | 1        | ±2.5%          | ±2.5%           |
| Val Antenna Unc.                             | ±0.0%         | N           | 1     | 1       | 1        | ±0.0%          | ±0.0%           |
| Unc. Input Power                             | ±0.0%         | N           | 1     | 1       | 1        | ±0.0%          | ±0.0%           |
| <b>Correction to the SAR results</b>         |               |             |       |         |          |                |                 |
| Deviation to Target                          | ±1.9%         | N           | 1     | 1       | 0.84     | ±1.9%          | ±1.6%           |
| SAR scaling                                  | ±0.0%         | R           | 1.732 | 1       | 1        | ±0.0%          | ±0.0%           |
| <b>Combined Uncertainty</b>                  |               |             |       |         |          | ±11.3%         | ±11.2%          |
| <b>Expanded Uncertainty</b>                  |               |             |       |         |          | ±22.7%         | ±22.5%          |

### Measurement uncertainty for 3 GHz to 6 GHz

| Error Description                    | Uncert.<br>value | Prob.<br>Dist. | Div.  | (ci)<br>1g | (ci)<br>10g | Std. Unc.<br>(1g) | Std. Unc.<br>(10g) |
|--------------------------------------|------------------|----------------|-------|------------|-------------|-------------------|--------------------|
| <b>Measurement System Errors</b>     |                  |                |       |            |             |                   |                    |
| Probe Calibration                    | ±13.1%           | N              | 2     | 1          | 1           | ±6.6%             | ±6.6%              |
| Probe Calibration Drift              | ±1.7%            | R              | 1.732 | 1          | 1           | ±1.0%             | ±1.0%              |
| Probe Linearity                      | ±4.7%            | R              | 1.732 | 1          | 1           | ±2.7%             | ±2.7%              |
| Broadband Signal                     | ±2.6%            | R              | 1.732 | 1          | 1           | ±1.5%             | ±1.5%              |
| Probe Isotropy                       | ±7.6%            | R              | 1.732 | 1          | 1           | ±4.4%             | ±4.4%              |
| Other Probe+Electronic               | ±1.2%            | N              | 1     | 1          | 1           | ±1.2%             | ±1.2%              |
| RF Ambient                           | ±1.8%            | N              | 1     | 1          | 1           | ±1.8%             | ±1.8%              |
| Probe Positioning                    | ±0.005 mm        | N              | 1     | 0.29       | 0.29        | ±0.2%             | ±0.2%              |
| Data Processing                      | ±2.3%            | N              | 1     | 1          | 1           | ±2.3%             | ±2.3%              |
| <b>Phantom and Device Errors</b>     |                  |                |       |            |             |                   |                    |
| Conductivity (meas.)                 | ±2.5%            | N              | 1     | 0.78       | 0.71        | ±2.0%             | ±1.8%              |
| Conductivity (temp.)                 | ±3.4%            | R              | 1.732 | 0.78       | 0.71        | ±1.5%             | ±1.4%              |
| Phantom Permittivity                 | ±14.0%           | R              | 1.732 | 0.25       | 0.25        | ±2.0%             | ±2.0%              |
| Distance DUT - TSL                   | ±2.0%            | N              | 1     | 2          | 2           | ±4.0%             | ±4.0%              |
| Device Positioning                   | ±1.0%            | N              | 1     | 1          | 1           | ±1.0%             | ±1.0%              |
| Device Holder                        | ±3.6%            | N              | 1     | 1          | 1           | ±3.6%             | ±3.6%              |
| DUT Modulation                       | ±2.4%            | R              | 1.732 | 1          | 1           | ±1.4%             | ±1.4%              |
| Time-average SAR                     | ±1.7%            | R              | 1.732 | 1          | 1           | ±1.0%             | ±1.0%              |
| DUT drift                            | ±2.5%            | N              | 1     | 1          | 1           | ±2.5%             | ±2.5%              |
| Val Antenna Unc.                     | ±0.0%            | N              | 1     | 1          | 1           | ±0.0%             | ±0.0%              |
| Unc. Input Power                     | ±0.0%            | N              | 1     | 1          | 1           | ±0.0%             | ±0.0%              |
| <b>Correction to the SAR results</b> |                  |                |       |            |             |                   |                    |
| Deviation to Target                  | ±1.9%            | N              | 1     | 1          | 0.84        | ±1.9%             | ±1.6%              |
| SAR scaling                          | ±0.0%            | R              | 1.732 | 1          | 1           | ±0.0%             | ±0.0%              |
| <b>Combined Uncertainty</b>          |                  |                |       |            |             | ±11.7%            | ±11.6%             |
| <b>Expanded Uncertainty</b>          |                  |                |       |            |             | ±23.3%            | ±23.1%             |

### Measurement uncertainty for 6 GHz to 10 GHz

| Error Description                    | Uncert.<br>value | Prob.<br>Dist. | Div.  | (ci)<br>1g | (ci)<br>10g | Std. Unc.<br>(1g) | Std. Unc.<br>(10g) |
|--------------------------------------|------------------|----------------|-------|------------|-------------|-------------------|--------------------|
| <b>Measurement System Errors</b>     |                  |                |       |            |             |                   |                    |
| Probe Calibration                    | ±18.6%           | N              | 2     | 1          | 1           | ±9.3%             | ±9.3%              |
| Probe Calibration Drift              | ±1.7%            | R              | 1.732 | 1          | 1           | ±1.0%             | ±1.0%              |
| Probe Linearity                      | ±4.7%            | R              | 1.732 | 1          | 1           | ±2.7%             | ±2.7%              |
| Broadband Signal                     | ±2.6%            | R              | 1.732 | 1          | 1           | ±1.5%             | ±1.5%              |
| Probe Isotropy                       | ±7.6%            | R              | 1.732 | 1          | 1           | ±4.4%             | ±4.4%              |
| Other Probe+Electronic               | ±2.4%            | N              | 1     | 1          | 1           | ±2.4%             | ±2.4%              |
| RF Ambient                           | ±1.8%            | N              | 1     | 1          | 1           | ±1.8%             | ±1.8%              |
| Probe Positioning                    | ±0.005 mm        | N              | 1     | 0.5        | 0.5         | ±0.3%             | ±0.3%              |
| Data Processing                      | ±3.5%            | N              | 1     | 1          | 1           | ±3.5%             | ±3.5%              |
| <b>Phantom and Device Errors</b>     |                  |                |       |            |             |                   |                    |
| Conductivity (meas.)                 | ±2.5%            | N              | 1     | 0.78       | 0.71        | ±2.0%             | ±1.8%              |
| Conductivity (temp.)                 | ±2.4%            | R              | 1.732 | 0.78       | 0.71        | ±1.1%             | ±1.0%              |
| Phantom Permittivity                 | ±14.0%           | R              | 1.732 | 0.5        | 0.5         | ±4.0%             | ±4.0%              |
| Distance DUT - TSL                   | ±2.0%            | N              | 1     | 2          | 2           | ±4.0%             | ±4.0%              |
| Device Positioning                   | ±1.0%            | N              | 1     | 1          | 1           | ±1.0%             | ±1.0%              |
| Device Holder                        | ±3.6%            | N              | 1     | 1          | 1           | ±3.6%             | ±3.6%              |
| DUT Modulation                       | ±2.4%            | R              | 1.732 | 1          | 1           | ±1.4%             | ±1.4%              |
| Time-average SAR                     | ±1.7%            | R              | 1.732 | 1          | 1           | ±1.0%             | ±1.0%              |
| DUT drift                            | ±2.5%            | N              | 1     | 1          | 1           | ±2.5%             | ±2.5%              |
| Val Antenna Unc.                     | ±0.0%            | N              | 1     | 1          | 1           | ±0.0%             | ±0.0%              |
| Unc. Input Power                     | ±0.0%            | N              | 1     | 1          | 1           | ±0.0%             | ±0.0%              |
| <b>Correction to the SAR results</b> |                  |                |       |            |             |                   |                    |
| Deviation to Target                  | ±1.9%            | N              | 1     | 1          | 0.84        | ±1.9%             | ±1.6%              |
| SAR scaling                          | ±0.0%            | R              | 1.732 | 1          | 1           | ±0.0%             | ±0.0%              |
| <b>Combined Uncertainty</b>          |                  |                |       |            |             | ±14.2%            | ±14.1%             |
| <b>Expanded Uncertainty</b>          |                  |                |       |            |             | ±28.4%            | ±28.3%             |

### APD Measurement uncertainty for 6 GHz to 10 GHz

| Error Description        | Uncert.<br>value | Prob.<br>Dist. | Div.       | (Ci)<br>1 cm <sup>2</sup> | (Ci)<br>4 cm <sup>2</sup> | Std.<br>Unc.<br>(1 cm <sup>2</sup> ) | Std.<br>Unc.<br>(4 cm <sup>2</sup> ) |
|--------------------------|------------------|----------------|------------|---------------------------|---------------------------|--------------------------------------|--------------------------------------|
| SAR MU                   | ±14.2/13.9%      | N              | 1          | 1                         | 1                         | ±14.2%                               | ±14.1%                               |
| Power Density Conversion | ±13.5%           | R              | $\sqrt{3}$ | 1                         | 1                         | ±7.8%                                | ±7.8%                                |

|                                   |  |  |  |  |  |                   |                   |
|-----------------------------------|--|--|--|--|--|-------------------|-------------------|
| Combined Uncertainty              |  |  |  |  |  | ±16.2%            | ±16.1%            |
| <b>Expanded Uncertainty</b> in dB |  |  |  |  |  | ±32.4%<br>±1.2 dB | ±32.3%<br>±1.2 dB |

| Measurement uncertainty for Power Density                               |                              |                |       |      |                          |              |
|-------------------------------------------------------------------------|------------------------------|----------------|-------|------|--------------------------|--------------|
| Error Description                                                       | Uncert.<br>Value ( $\pm$ dB) | Prob.<br>Dist. | Div.  | (ci) | Std. Unc.<br>( $\pm$ dB) | (vi)<br>veff |
| <b>Uncertainty terms dependent on the measurement system</b>            |                              |                |       |      |                          |              |
| Calibration                                                             | 0.49                         | N              | 1     | 1    | 0.49                     | $\infty$     |
| Probe correction                                                        | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Frequency response (BW $\leq$ 1 GHz)                                    | 0.2                          | R              | 1.732 | 1    | 0.12                     | $\infty$     |
| Sensor cross coupling                                                   | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Isotropy                                                                | 0.5                          | R              | 1.732 | 1    | 0.29                     | $\infty$     |
| Linearity                                                               | 0.2                          | R              | 1.732 | 1    | 0.12                     | $\infty$     |
| Probe scattering                                                        | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Probe positioning offset                                                | 0.3                          | R              | 1.732 | 1    | 0.17                     | $\infty$     |
| Probe positioning repeatability                                         | 0.04                         | R              | 1.732 | 1    | 0.02                     | $\infty$     |
| Sensor mechanical offset                                                | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Probe spatial resolution                                                | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Field impedance dependance                                              | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Amplitude and phase drift                                               | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Amplitude and phase noise                                               | 0.04                         | R              | 1.732 | 1    | 0.02                     | $\infty$     |
| Measurement area truncation                                             | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Data acquisition                                                        | 0.03                         | N              | 1     | 1    | 0.03                     | $\infty$     |
| Sampling                                                                | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Field reconstruction                                                    | 2                            | R              | 1.732 | 1    | 1.15                     | $\infty$     |
| FTE/MEO                                                                 | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Power density scaling                                                   | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Spatial averaging                                                       | 0.1                          | R              | 1.732 | 1    | 0.06                     | $\infty$     |
| System detection limit                                                  | 0.04                         | R              | 1.732 | 1    | 0.02                     | $\infty$     |
| <b>Uncertainty terms dependent on the DUT and environmental factors</b> |                              |                |       |      |                          |              |
| Probe coupling with DUT                                                 | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Modulation response                                                     | 0.4                          | R              | 1.732 | 1    | 0.23                     | $\infty$     |
| Integration time                                                        | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Response time                                                           | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Device holder influence                                                 | 0.1                          | R              | 1.732 | 1    | 0.06                     | $\infty$     |
| DUT alignment                                                           | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| RF ambient conditions                                                   | 0.04                         | R              | 1.732 | 1    | 0.02                     | $\infty$     |
| Ambient reflections                                                     | 0.04                         | R              | 1.732 | 1    | 0.02                     | $\infty$     |
| Immunity / secondary reception                                          | 0                            | R              | 1.732 | 1    | 0                        | $\infty$     |
| Drift of the DUT                                                        | 0.21                         | R              | 1.732 | 1    | 0.12                     | $\infty$     |
| <b>Combined Standard Uncertainty</b>                                    |                              |                |       |      | 1.33                     | $\infty$     |
| <b>Expanded Standard Uncertainty (95%)</b>                              |                              |                |       |      | 2.67                     |              |

## 8. Conducted Power Measurement (Including tolerance allowed for production unit)

| WLAN 2.4G 2TX SISO                                               |             |               |    |                           |               |                  |                          |               |                  |
|------------------------------------------------------------------|-------------|---------------|----|---------------------------|---------------|------------------|--------------------------|---------------|------------------|
| DSSS/OFDM mode specified maximum output power at an antenna port | Frequency   | Mode          | BW | SISO-Main(TX1)<br>Chain B |               |                  | SISO-Aux(TX2)<br>Chain A |               |                  |
|                                                                  |             |               |    | CH                        | Avg.<br>Power | Tune-Up<br>Power | CH                       | Avg.<br>Power | Tune-Up<br>Power |
|                                                                  | WLAN 2.4GHz | b             | 20 | 1                         | 13.94         | 14.5             | 1                        | 13.84         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.97         | 14.5             | 6                        | 13.96         | 14.5             |
|                                                                  |             |               |    | 11                        | 13.95         | 14.5             | 11                       | 13.93         | 14.5             |
|                                                                  |             |               |    | 12                        | 13.74         | 14.5             | 12                       | 13.64         | 14.5             |
|                                                                  |             |               |    | 13                        | 13.69         | 14.5             | 13                       | 13.66         | 14.5             |
|                                                                  |             | g             | 20 | 1                         | 13.66         | 14.5             | 1                        | 13.62         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.58         | 14.5             | 6                        | 13.61         | 14.5             |
|                                                                  |             |               |    | 11                        | 13.61         | 14.5             | 11                       | 13.63         | 14.5             |
|                                                                  |             |               |    | 12                        | 13.59         | 14.5             | 12                       | 13.61         | 14.5             |
|                                                                  |             |               |    | 13                        | 13.64         | 14.5             | 13                       | 12.67         | 13               |
|                                                                  |             | n<br>(HT)     | 20 | 1                         | 13.63         | 14.5             | 1                        | 13.53         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.53         | 14.5             | 6                        | 13.54         | 14.5             |
|                                                                  |             |               |    | 11                        | 13.57         | 14.5             | 11                       | 13.63         | 14.5             |
|                                                                  |             |               |    | 12                        | 13.55         | 14.5             | 12                       | 13.56         | 14.5             |
|                                                                  |             |               |    | 13                        | 13.6          | 14.5             | 13                       | 12.59         | 13               |
|                                                                  |             |               | 40 | 3                         | 13.52         | 14.5             | 3                        | 13.56         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.59         | 14.5             | 6                        | 13.54         | 14.5             |
|                                                                  |             |               |    | 9                         | 13.58         | 14.5             | 9                        | 13.61         | 14.5             |
|                                                                  |             |               |    | 10                        | 13.56         | 14.5             | 10                       | 13.52         | 14.5             |
|                                                                  |             |               |    | 11                        | 12.46         | 12.5             | 11                       | 11.91         | 12               |
|                                                                  |             | ax/be<br>(HE) | 20 | 1                         | 13.53         | 14.5             | 1                        | 13.61         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.54         | 14.5             | 6                        | 13.57         | 14.5             |
|                                                                  |             |               |    | 11                        | 13.54         | 14.5             | 11                       | 13.61         | 14.5             |
|                                                                  |             |               |    | 12                        | 13.52         | 14.5             | 12                       | 13.59         | 14.5             |
|                                                                  |             |               |    | 13                        | 13.58         | 14.5             | 13                       | 12.59         | 13               |
|                                                                  |             |               | 40 | 3                         | 13.64         | 14.5             | 3                        | 13.55         | 14.5             |
|                                                                  |             |               |    | 6                         | 13.64         | 14.5             | 6                        | 13.52         | 14.5             |
|                                                                  |             |               |    | 9                         | 13.54         | 14.5             | 9                        | 13.57         | 14.5             |
| 10                                                               |             |               |    | 13.51                     | 14.5          | 10               | 13.56                    | 14.5          |                  |
| 11                                                               |             |               |    | 12.43                     | 12.5          | 11               | 12.34                    | 12.5          |                  |

| WLAN 5G 2TX SISO                                            |                           |                            |         |                           |               |                  |                          |               |                  |       |
|-------------------------------------------------------------|---------------------------|----------------------------|---------|---------------------------|---------------|------------------|--------------------------|---------------|------------------|-------|
| OFDM mode specified maximum output power at an antenna port | Frequency                 | Mode                       | BW      | SISO-Main(TX1)<br>Chain B |               |                  | SISO-Aux(TX2)<br>Chain A |               |                  |       |
|                                                             |                           |                            |         | CH                        | Avg.<br>Power | Tune-Up<br>Power | CH                       | Avg.<br>Power | Tune-Up<br>Power |       |
|                                                             | U-NII-1<br>(5150~5250MHz) | a                          | 20      | 36                        | 10.64         | 11               | 36                       | 10.55         | 11               |       |
|                                                             |                           |                            |         | 40                        | 10.57         | 11               | 40                       | 10.59         | 11               |       |
|                                                             |                           |                            |         | 44                        | 10.67         | 11               | 44                       | 10.61         | 11               |       |
|                                                             |                           |                            |         | 48                        | 10.41         | 11               | 48                       | 10.59         | 11               |       |
|                                                             |                           | n<br>(HT)                  | 20      | 36                        | 10.59         | 11               | 36                       | 10.63         | 11               |       |
|                                                             |                           |                            |         | 40                        | 10.54         | 11               | 40                       | 10.63         | 11               |       |
|                                                             |                           |                            |         | 44                        | 10.58         | 11               | 44                       | 10.61         | 11               |       |
|                                                             |                           |                            |         | 48                        | 10.55         | 11               | 48                       | 10.51         | 11               |       |
|                                                             |                           |                            | 40      | 38                        | 10.64         | 11               | 38                       | 10.63         | 11               |       |
|                                                             |                           |                            |         | 46                        | 10.55         | 11               | 46                       | 10.49         | 11               |       |
|                                                             |                           |                            | ac(VHT) | 80                        | 42            | 10.73            | 11                       | 42            | 10.77            | 11    |
|                                                             |                           |                            |         | ax/be<br>(HE)             | 20            | 36               | 10.59                    | 11            | 36               | 10.66 |
|                                                             |                           | 40                         | 10.51   |                           |               | 11               | 40                       | 10.51         | 11               |       |
|                                                             |                           | 44                         | 10.64   |                           |               | 11               | 44                       | 10.58         | 11               |       |
|                                                             |                           | 48                         | 10.55   |                           |               | 11               | 48                       | 10.59         | 11               |       |
|                                                             |                           | 40                         | 38      |                           | 10.66         | 11               | 38                       | 10.69         | 11               |       |
|                                                             |                           |                            | 46      |                           | 10.41         | 11               | 46                       | 10.55         | 11               |       |
|                                                             |                           | 80                         | 42      |                           | 10.68         | 11               | 42                       | 10.41         | 11               |       |
|                                                             |                           | U-NII-2A<br>(5250~5350MHz) | a       |                           | 20            | 52               | 10.65                    | 11            | 52               | 10.62 |
|                                                             |                           |                            |         | 56                        |               | 10.52            | 11                       | 56            | 10.61            | 11    |
|                                                             | 60                        |                            |         | 10.52                     |               | 11               | 60                       | 10.49         | 11               |       |
|                                                             | 64                        |                            |         | 10.58                     |               | 11               | 64                       | 10.55         | 11               |       |
|                                                             | n<br>(HT)                 |                            | 20      | 52                        | 10.57         | 11               | 52                       | 10.58         | 11               |       |
|                                                             |                           |                            |         | 56                        | 10.48         | 11               | 56                       | 10.61         | 11               |       |
|                                                             |                           |                            |         | 60                        | 10.68         | 11               | 60                       | 10.62         | 11               |       |
|                                                             |                           |                            |         | 64                        | 10.48         | 11               | 64                       | 10.55         | 11               |       |
|                                                             |                           |                            | 40      | 54                        | 10.61         | 11               | 54                       | 10.58         | 11               |       |
|                                                             |                           |                            |         | 62                        | 10.51         | 11               | 62                       | 10.56         | 11               |       |
| ac<br>(VHT)                                                 |                           |                            | 80      | 58                        | 10.96         | 11               | 58                       | 10.83         | 11               |       |
|                                                             |                           |                            | 160     | 50                        | 10.51         | 11               | 50                       | 10.61         | 11               |       |
| ax/be<br>(HE)                                               | 20                        |                            | 52      | 10.61                     | 11            | 52               | 10.53                    | 11            |                  |       |
|                                                             |                           |                            | 56      | 10.53                     | 11            | 56               | 10.55                    | 11            |                  |       |
|                                                             |                           |                            | 60      | 10.64                     | 11            | 60               | 10.59                    | 11            |                  |       |
|                                                             |                           |                            | 64      | 10.48                     | 11            | 64               | 10.57                    | 11            |                  |       |
|                                                             | 40                        |                            | 54      | 10.68                     | 11            | 54               | 10.64                    | 11            |                  |       |
|                                                             |                           |                            | 62      | 10.61                     | 11            | 62               | 10.56                    | 11            |                  |       |
|                                                             | 80                        |                            | 58      | 10.39                     | 11            | 58               | 10.43                    | 11            |                  |       |
|                                                             | 160                       |                            | 50      | 10.29                     | 11            | 50               | 10.45                    | 11            |                  |       |

|                                                             | Frequency                  | Mode          | BW  | SISO-Main(TX1)<br>Chain B |               |                  | SISO-Aux(TX2)<br>Chain A |               |                  |
|-------------------------------------------------------------|----------------------------|---------------|-----|---------------------------|---------------|------------------|--------------------------|---------------|------------------|
|                                                             |                            |               |     | CH                        | Avg.<br>Power | Tune-Up<br>Power | CH                       | Avg.<br>Power | Tune-Up<br>Power |
| OFDM mode specified maximum output power at an antenna port | U-NII-2C<br>(5470~5725MHz) | a             | 20  | 100                       | 11.61         | 12               | 100                      | 11.55         | 12               |
|                                                             |                            |               |     | 116                       | 11.60         | 12               | 116                      | 11.49         | 12               |
|                                                             |                            |               |     | 124                       | 11.54         | 12               | 124                      | 11.66         | 12               |
|                                                             |                            |               |     | 132                       | 11.55         | 12               | 132                      | 11.55         | 12               |
|                                                             |                            |               |     | 140                       | 11.62         | 12               | 140                      | 11.65         | 12               |
|                                                             |                            |               |     | 144                       | 11.57         | 12               | 144                      | 11.53         | 12               |
|                                                             |                            | n<br>(HT)     | 20  | 100                       | 11.61         | 12               | 100                      | 11.51         | 12               |
|                                                             |                            |               |     | 116                       | 11.54         | 12               | 116                      | 11.47         | 12               |
|                                                             |                            |               |     | 124                       | 11.58         | 12               | 124                      | 11.63         | 12               |
|                                                             |                            |               |     | 132                       | 11.56         | 12               | 132                      | 11.51         | 12               |
|                                                             |                            |               |     | 140                       | 11.64         | 12               | 140                      | 11.57         | 12               |
|                                                             |                            |               |     | 144                       | 11.62         | 12               | 144                      | 11.53         | 12               |
|                                                             |                            |               | 40  | 102                       | 11.51         | 12               | 102                      | 11.63         | 12               |
|                                                             |                            |               |     | 110                       | 11.50         | 12               | 110                      | 11.53         | 12               |
|                                                             |                            |               |     | 126                       | 11.62         | 12               | 126                      | 11.59         | 12               |
|                                                             |                            |               |     | 134                       | 11.52         | 12               | 134                      | 11.49         | 12               |
|                                                             |                            | ac<br>(VHT)   | 80  | 106                       | 11.91         | 12               | 106                      | 11.86         | 12               |
|                                                             |                            |               |     | 122                       | 11.66         | 12               | 122                      | 11.72         | 12               |
|                                                             |                            |               |     | 138                       | 11.86         | 12               | 138                      | 11.84         | 12               |
|                                                             |                            |               | 160 | 114                       | 11.56         | 12               | 114                      | 11.52         | 12               |
|                                                             |                            | ax/be<br>(HE) | 20  | 100                       | 11.58         | 12               | 100                      | 11.69         | 12               |
|                                                             |                            |               |     | 116                       | 11.53         | 12               | 116                      | 11.58         | 12               |
|                                                             |                            |               |     | 124                       | 11.61         | 12               | 124                      | 11.69         | 12               |
|                                                             |                            |               |     | 132                       | 11.50         | 12               | 132                      | 11.59         | 12               |
|                                                             |                            |               |     | 140                       | 11.59         | 12               | 140                      | 11.61         | 12               |
|                                                             |                            |               |     | 144                       | 11.56         | 12               | 144                      | 11.48         | 12               |
|                                                             |                            |               | 40  | 102                       | 11.61         | 12               | 102                      | 11.67         | 12               |
|                                                             |                            |               |     | 110                       | 11.47         | 12               | 110                      | 11.46         | 12               |
|                                                             |                            |               |     | 126                       | 11.56         | 12               | 126                      | 11.61         | 12               |
|                                                             |                            |               |     | 134                       | 11.54         | 12               | 134                      | 11.47         | 12               |
|                                                             |                            |               |     | 142                       | 11.59         | 12               | 142                      | 11.51         | 12               |
|                                                             |                            |               | 80  | 106                       | 11.52         | 12               | 106                      | 11.49         | 12               |
|                                                             |                            |               |     | 122                       | 11.33         | 12               | 122                      | 11.54         | 12               |
|                                                             |                            |               |     | 138                       | 11.54         | 12               | 138                      | 11.55         | 12               |
|                                                             |                            |               | 160 | 114                       | 11.39         | 12               | 114                      | 11.43         | 12               |

|                                                             | Frequency                 | Mode          | BW  | SISO-Main(TX1)<br>Chain B |               |                  | SISO-Aux(TX2)<br>Chain A |               |                  |
|-------------------------------------------------------------|---------------------------|---------------|-----|---------------------------|---------------|------------------|--------------------------|---------------|------------------|
|                                                             |                           |               |     | CH                        | Avg.<br>Power | Tune-Up<br>Power | CH                       | Avg.<br>Power | Tune-Up<br>Power |
| OFDM mode specified maximum output power at an antenna port | U-NII-3<br>(5725~5850MHz) | a             | 20  | 149                       | 12.57         | 13               | 149                      | 12.67         | 13               |
|                                                             |                           |               |     | 157                       | 12.55         | 13               | 157                      | 12.54         | 13               |
|                                                             |                           |               |     | 165                       | 12.56         | 13               | 165                      | 12.64         | 13               |
|                                                             |                           | n<br>(HT)     | 20  | 149                       | 12.62         | 13               | 149                      | 12.61         | 13               |
|                                                             |                           |               |     | 157                       | 12.67         | 13               | 157                      | 12.68         | 13               |
|                                                             |                           |               |     | 165                       | 12.59         | 13               | 165                      | 12.63         | 13               |
|                                                             |                           |               | 40  | 151                       | 12.51         | 13               | 151                      | 12.64         | 13               |
|                                                             |                           |               |     | 159                       | 12.66         | 13               | 159                      | 12.61         | 13               |
|                                                             |                           |               |     | 159                       | 12.66         | 13               | 159                      | 12.61         | 13               |
|                                                             |                           | ac(VHT)       | 80  | 155                       | 12.84         | 13               | 155                      | 12.73         | 13               |
|                                                             |                           | ax/be<br>(HE) | 20  | 149                       | 12.68         | 13               | 149                      | 12.69         | 13               |
|                                                             |                           |               |     | 157                       | 12.60         | 13               | 157                      | 12.56         | 13               |
|                                                             |                           |               |     | 165                       | 12.58         | 13               | 165                      | 12.68         | 13               |
|                                                             |                           |               | 40  | 151                       | 12.44         | 13               | 151                      | 12.53         | 13               |
|                                                             |                           |               |     | 159                       | 12.57         | 13               | 159                      | 12.61         | 13               |
|                                                             |                           |               |     | 159                       | 12.57         | 13               | 159                      | 12.61         | 13               |
|                                                             |                           |               | 80  | 155                       | 12.29         | 13               | 155                      | 12.53         | 13               |
|                                                             | U-NII-4<br>(5850~5925MHz) | a             | 20  | 169                       | 12.51         | 13               | 169                      | 12.61         | 13               |
|                                                             |                           |               |     | 173                       | 12.63         | 13               | 173                      | 12.64         | 13               |
|                                                             |                           |               |     | 177                       | 12.41         | 13               | 177                      | 12.57         | 13               |
|                                                             |                           | n<br>(HT)     | 20  | 169                       | 12.54         | 13               | 169                      | 12.54         | 13               |
|                                                             |                           |               |     | 173                       | 12.69         | 13               | 173                      | 12.58         | 13               |
|                                                             |                           |               |     | 177                       | 12.59         | 13               | 177                      | 12.62         | 13               |
|                                                             |                           |               | 40  | 167                       | 12.52         | 13               | 167                      | 12.65         | 13               |
|                                                             |                           |               |     | 175                       | 12.63         | 13               | 175                      | 12.62         | 13               |
|                                                             |                           |               |     | 175                       | 12.63         | 13               | 175                      | 12.62         | 13               |
|                                                             |                           | ac(VHT)       | 80  | 171                       | 12.86         | 13               | 171                      | 12.74         | 13               |
|                                                             |                           |               | 160 | 163                       | 12.51         | 13               | 163                      | 12.65         | 13               |
|                                                             |                           | ax/be<br>(HE) | 20  | 169                       | 12.55         | 13               | 169                      | 12.49         | 13               |
|                                                             |                           |               |     | 173                       | 12.65         | 13               | 173                      | 12.66         | 13               |
|                                                             |                           |               |     | 177                       | 12.51         | 13               | 177                      | 12.51         | 13               |
|                                                             |                           |               | 40  | 167                       | 12.43         | 13               | 167                      | 12.34         | 13               |
|                                                             |                           |               |     | 175                       | 12.56         | 13               | 175                      | 12.67         | 13               |
|                                                             |                           |               |     | 175                       | 12.56         | 13               | 175                      | 12.67         | 13               |
|                                                             |                           |               | 80  | 171                       | 12.62         | 13               | 171                      | 12.50         | 13               |
|                                                             |                           |               | 160 | 163                       | 12.56         | 13               | 163                      | 12.41         | 13               |

| WLAN 6G 2TX SISO                                            |                           |               |     |                |            |               |               |            |               |
|-------------------------------------------------------------|---------------------------|---------------|-----|----------------|------------|---------------|---------------|------------|---------------|
|                                                             | Frequency                 | Mode          | BW  | SISO-Main(TX1) |            |               | SISO-Aux(TX2) |            |               |
|                                                             |                           |               |     | Chain B        |            |               | Chain A       |            |               |
|                                                             |                           |               |     | CH             | Avg. Power | Tune-Up Power | CH            | Avg. Power | Tune-Up Power |
| OFDM mode specified maximum output power at an antenna port | U-NII-5<br>(5925~6425MHz) | ax/be<br>(HE) | 20  | 1              | 12.52      | 13            | 1             | 12.5       | 13            |
|                                                             |                           |               |     | 45             | 12.51      | 13            | 45            | 12.57      | 13            |
|                                                             |                           |               |     | 93             | 12.59      | 13            | 93            | 12.51      | 13            |
|                                                             |                           |               | 40  | 3              | 12.35      | 13            | 3             | 12.51      | 13            |
|                                                             |                           |               |     | 43             | 12.36      | 13            | 43            | 12.55      | 13            |
|                                                             |                           |               |     | 91             | 12.34      | 13            | 91            | 12.53      | 13            |
|                                                             |                           |               | 80  | 7              | 12.29      | 13            | 7             | 12.54      | 13            |
|                                                             |                           |               |     | 39             | 12.31      | 13            | 39            | 12.57      | 13            |
|                                                             |                           |               |     | 87             | 12.36      | 13            | 87            | 12.51      | 13            |
|                                                             |                           |               | 160 | 15             | 12.26      | 13            | 15            | 12.42      | 13            |
|                                                             |                           |               |     | 47             | 12.35      | 13            | 47            | 12.44      | 13            |
|                                                             |                           |               |     | 79             | 12.38      | 13            | 79            | 12.43      | 13            |
|                                                             |                           | be<br>(EHT)   | 320 | 31             | 12.91      | 13            | 31            | 12.92      | 13            |
|                                                             |                           |               |     | 63             | 12.89      | 13            | 63            | 12.91      | 13            |
|                                                             | U-NII-6<br>(6425~6525MHz) | ax/be<br>(HE) | 20  | 97             | 7.86       | 8.5           | 97            | 7.44       | 8.5           |
|                                                             |                           |               |     | 105            | 7.92       | 8.5           | 105           | 7.59       | 8.5           |
|                                                             |                           |               |     | 113            | 8.04       | 8.5           | 113           | 7.61       | 8.5           |
|                                                             |                           |               | 40  | 99             | 10.54      | 11.5          | 99            | 10.15      | 11.5          |
|                                                             |                           |               |     | 107            | 10.44      | 11.5          | 107           | 10.28      | 11.5          |
|                                                             |                           |               | 80  | 103            | 12.05      | 13            | 103           | 11.91      | 13            |
|                                                             |                           |               | 160 | 111            | 12.39      | 13            | 111           | 12.45      | 13            |
|                                                             |                           | be<br>(EHT)   | 320 | 95             | 12.84      | 13            | 95            | 12.84      | 13            |

| OFDM mode specified maximum output power at an antenna port | Frequency                 | Mode          | BW  | SISO-Main(TX1) |            |               | SISO-Aux(TX2) |            |               |
|-------------------------------------------------------------|---------------------------|---------------|-----|----------------|------------|---------------|---------------|------------|---------------|
|                                                             |                           |               |     | Chain B        |            |               | Chain A       |            |               |
|                                                             |                           |               |     | CH             | Avg. Power | Tune-Up Power | CH            | Avg. Power | Tune-Up Power |
| OFDM mode specified maximum output power at an antenna port | U-NII-7<br>(6525~6875MHz) | ax/be<br>(HE) | 20  | 117            | 12.56      | 13            | 117           | 12.54      | 13            |
|                                                             |                           |               |     | 149            | 12.59      | 13            | 149           | 12.59      | 13            |
|                                                             |                           |               |     | 181            | 12.64      | 13            | 181           | 12.56      | 13            |
|                                                             |                           |               | 40  | 115            | 10.71      | 11.5          | 115           | 10.3       | 11.5          |
|                                                             |                           |               |     | 147            | 12.31      | 13            | 147           | 12.59      | 13            |
|                                                             |                           |               |     | 179            | 12.28      | 13            | 179           | 12.5       | 13            |
|                                                             |                           |               | 80  | 119            | 12.21      | 13            | 119           | 11.98      | 13            |
|                                                             |                           |               |     | 135            | 12.38      | 13            | 135           | 12.52      | 13            |
|                                                             |                           |               |     | 151            | 12.28      | 13            | 151           | 12.53      | 13            |
|                                                             |                           |               |     | 167            | 12.31      | 13            | 167           | 12.5       | 13            |
|                                                             |                           |               |     | 183            | 11.68      | 11.75         | 183           | 11.25      | 11.5          |
|                                                             |                           |               | 160 | 143            | 12.36      | 13            | 143           | 12.39      | 13            |
|                                                             |                           |               |     | 175            | 12.23      | 13            | 175           | 12.3       | 13            |
|                                                             |                           | be<br>(EHT)   | 320 | 127            | 12.98      | 13            | 127           | 12.95      | 13            |
|                                                             |                           |               |     | 159            | 12.9       | 13            | 159           | 12.89      | 13            |
|                                                             | U-NII-8<br>(6875~7125MHz) | ax/be<br>(HE) | 20  | 185            | 5.20       | 5.5           | 185           | 5.55       | 5.75          |
|                                                             |                           |               |     | 209            | 5.66       | 5.75          | 209           | 5.61       | 5.75          |
|                                                             |                           |               |     | 233            | -1.71      | 1.25          | 233           | -0.44      | 1             |
|                                                             |                           |               | 40  | 187            | 8.61       | 8.75          | 187           | 8.69       | 8.75          |
|                                                             |                           |               |     | 227            | 8.66       | 8.75          | 227           | 8.98       | 9             |
|                                                             |                           |               | 80  | 199            | 11.56      | 11.75         | 199           | 11.55      | 12            |
|                                                             |                           |               |     | 215            | 11.92      | 12            | 215           | 11.85      | 12            |
|                                                             |                           |               | 160 | 207            | 12.3       | 13            | 207           | 12.38      | 13            |
|                                                             |                           | be<br>(EHT)   | 320 | 191            | 12.96      | 13            | 191           | 12.86      | 13            |

| BT Only Support Aux                 |           |      |            |                          |               |                  |
|-------------------------------------|-----------|------|------------|--------------------------|---------------|------------------|
| Bluetooth mode maximum output power | Frequency | Mode | Modulation | SISO-Aux(TX2)<br>Chain A |               |                  |
|                                     |           |      |            | CH                       | Avg.<br>Power | Tune-Up<br>Power |
|                                     | BT 2.4GHz | BR   | GFSK       | 0                        | 9.31          | 10               |
|                                     |           |      |            | 39                       | 9.45          | 10               |
|                                     |           |      |            | 78                       | 9.35          | 10               |
|                                     |           | EDR  | 8DPSK      | 0                        | 9.24          | 10               |
|                                     |           |      |            | 39                       | 9.25          | 10               |
|                                     |           |      |            | 78                       | 9.26          | 10               |
|                                     |           | BLE  | GFSK       | 0                        | 9.28          | 10               |
|                                     |           |      |            | 19                       | 9.19          | 10               |
|                                     |           |      |            | 39                       | 9.17          | 10               |

| Maximum Output Power (Including tolerance) (dBm) |      |             |              |
|--------------------------------------------------|------|-------------|--------------|
| Power State                                      |      | P-Sensor ON | P-Sensor OFF |
| LTE Band 2                                       | QPSK | 19.5        | 23.5         |
| LTE Band 4                                       | QPSK | 18.5        | 23.5         |
| LTE Band 5                                       | QPSK | 20.5        | 23.5         |
| LTE Band 7                                       | QPSK | 20          | 23.5         |
| LTE Band 12                                      | QPSK | 20.5        | 23.5         |
| LTE Band 13                                      | QPSK | 20.5        | 23.5         |
| LTE Band 14                                      | QPSK | 20          | 23.5         |
| LTE Band 17                                      | QPSK | 20.5        | 23.5         |
| LTE Band 25                                      | QPSK | 19.5        | 23.5         |
| LTE Band 26                                      | QPSK | 20.5        | 23.5         |
| LTE Band 38                                      | QPSK | 23.5        |              |
| LTE Band 41                                      | QPSK | 22          | 23.5         |
| LTE Band 41(HPUE)                                | QPSK | 22          | 26.5         |
| LTE Band 42                                      | QPSK | 21.5        | 23.5         |
| LTE Band 43                                      | QPSK | 19.5        | 23.5         |
| LTE Band 66                                      | QPSK | 18.5        | 23.5         |
| LTE Band 71                                      | QPSK | 21.5        | 23.5         |

P-Sensor OFF

| Channel | Modulation | LTE Band 2 |        |                                |       |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | 22.51                          | 22.58 | 22.70 | 22.67 | 22.48 | 22.93 |
|         |            | 1          | #Mid   | 22.43                          | 22.46 | 22.53 | 22.48 | 22.36 | 22.74 |
|         |            | 1          | #Max   | 22.39                          | 22.37 | 22.58 | 22.42 | 22.44 | 22.79 |
|         |            | 50%        | #0     | 21.62                          | 21.60 | 21.63 | 21.75 | 21.51 | 21.94 |
|         |            | 50%        | #Mid   | 21.69                          | 21.57 | 21.72 | 21.64 | 21.60 | 21.76 |
|         |            | 50%        | #Max   | 21.43                          | 21.45 | 21.72 | 21.68 | 21.44 | 21.79 |
|         |            | 100%       | --     | 20.69                          | 20.62 | 20.67 | 20.63 | 20.61 | 20.77 |
|         | 16QAM      | 1          | #0     | 21.94                          | 21.91 | 21.96 | 22.16 | 22.07 | 22.50 |
|         |            | 1          | #Mid   | 21.87                          | 21.89 | 21.78 | 22.12 | 21.78 | 22.33 |
|         |            | 1          | #Max   | 21.54                          | 21.50 | 21.54 | 21.99 | 21.54 | 22.32 |
|         |            | 50%        | #0     | 20.67                          | 20.72 | 20.60 | 20.59 | 20.68 | 20.76 |
|         |            | 50%        | #Mid   | 20.74                          | 20.76 | 20.66 | 20.66 | 20.68 | 20.90 |
|         |            | 50%        | #Max   | 20.68                          | 20.73 | 20.58 | 20.66 | 20.73 | 20.80 |
|         |            | 100%       | --     | 19.71                          | 19.70 | 19.63 | 19.82 | 19.89 | 19.83 |
|         | 64QAM      | 1          | #0     | 21.73                          | 21.78 | 22.11 | 21.75 | 22.03 | 21.86 |
|         |            | 1          | #Mid   | 21.72                          | 21.74 | 21.56 | 21.74 | 22.02 | 21.85 |
|         |            | 1          | #Max   | 21.71                          | 21.75 | 21.39 | 21.48 | 21.48 | 21.76 |
|         |            | 50%        | #0     | 19.73                          | 19.78 | 19.80 | 19.77 | 19.79 | 19.88 |
|         |            | 50%        | #Mid   | 19.53                          | 19.67 | 19.70 | 19.72 | 19.84 | 19.81 |
|         |            | 50%        | #Max   | 19.59                          | 19.49 | 19.68 | 19.64 | 19.78 | 19.81 |
|         |            | 100%       | --     | 18.67                          | 18.81 | 18.71 | 18.83 | 18.70 | 18.76 |
| Mid     | QPSK       | 1          | #0     | 22.46                          | 22.67 | 22.77 | 22.47 | 22.43 | 23.01 |
|         |            | 1          | #Mid   | 22.33                          | 22.47 | 22.69 | 22.44 | 22.38 | 22.76 |
|         |            | 1          | #Max   | 22.31                          | 22.32 | 22.66 | 22.35 | 22.34 | 22.82 |
|         |            | 50%        | #0     | 21.41                          | 21.52 | 21.90 | 21.46 | 21.49 | 21.99 |
|         |            | 50%        | #Mid   | 21.35                          | 21.52 | 21.85 | 21.76 | 21.57 | 21.87 |
|         |            | 50%        | #Max   | 21.45                          | 21.41 | 21.80 | 21.58 | 21.41 | 21.96 |
|         |            | 100%       | --     | 20.79                          | 20.89 | 20.98 | 20.91 | 20.99 | 21.05 |
|         | 16QAM      | 1          | #0     | 21.88                          | 21.98 | 22.01 | 21.94 | 22.12 | 22.51 |
|         |            | 1          | #Mid   | 21.83                          | 21.77 | 21.96 | 21.74 | 22.10 | 22.42 |
|         |            | 1          | #Max   | 21.52                          | 21.58 | 21.76 | 21.61 | 21.91 | 22.42 |
|         |            | 50%        | #0     | 20.66                          | 20.75 | 20.55 | 20.57 | 20.68 | 20.89 |
|         |            | 50%        | #Mid   | 20.53                          | 20.50 | 20.57 | 20.56 | 20.64 | 20.90 |
|         |            | 50%        | #Max   | 20.49                          | 20.63 | 20.54 | 20.69 | 20.50 | 20.83 |
|         |            | 100%       | --     | 19.63                          | 19.64 | 19.60 | 19.62 | 19.73 | 19.90 |
|         | 64QAM      | 1          | #0     | 21.60                          | 21.68 | 21.96 | 21.95 | 21.50 | 22.16 |
|         |            | 1          | #Mid   | 21.56                          | 21.65 | 21.94 | 21.56 | 21.30 | 22.13 |
|         |            | 1          | #Max   | 21.50                          | 21.67 | 21.92 | 21.39 | 21.17 | 22.08 |
|         |            | 50%        | #0     | 19.97                          | 20.00 | 20.02 | 19.80 | 19.63 | 19.95 |
|         |            | 50%        | #Mid   | 19.95                          | 19.88 | 19.81 | 19.76 | 19.60 | 19.91 |
|         |            | 50%        | #Max   | 19.78                          | 19.99 | 19.81 | 19.74 | 19.45 | 19.82 |
|         |            | 100%       | --     | 18.73                          | 18.72 | 18.67 | 18.44 | 18.67 | 18.85 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 22.44 | 22.63 | 22.54 | 22.61 | 22.42 | 22.86 |
|      |       | 1    | #Mid | 22.36 | 22.59 | 22.43 | 22.40 | 22.23 | 22.69 |
|      |       | 1    | #Max | 22.43 | 22.48 | 22.42 | 22.27 | 22.31 | 22.55 |
|      |       | 50%  | #0   | 21.58 | 21.61 | 21.55 | 21.59 | 21.50 | 21.95 |
|      |       | 50%  | #Mid | 21.59 | 21.53 | 21.58 | 21.70 | 21.51 | 21.81 |
|      |       | 50%  | #Max | 21.65 | 21.58 | 21.63 | 21.51 | 21.44 | 21.71 |
|      |       | 100% | --   | 19.69 | 19.55 | 19.57 | 20.76 | 20.72 | 20.80 |
|      | 16QAM | 1    | #0   | 21.88 | 22.02 | 21.78 | 21.94 | 21.89 | 22.26 |
|      |       | 1    | #Mid | 21.83 | 21.89 | 21.63 | 21.63 | 21.79 | 21.94 |
|      |       | 1    | #Max | 21.80 | 21.79 | 21.60 | 21.69 | 21.50 | 22.14 |
|      |       | 50%  | #0   | 20.69 | 20.72 | 20.44 | 20.63 | 20.57 | 20.89 |
|      |       | 50%  | #Mid | 20.64 | 20.55 | 20.51 | 20.54 | 20.51 | 20.97 |
|      |       | 50%  | #Max | 20.52 | 20.61 | 20.50 | 20.60 | 20.45 | 20.77 |
|      |       | 100% | --   | 19.56 | 19.73 | 19.55 | 19.62 | 19.52 | 19.75 |
|      | 64QAM | 1    | #0   | 21.43 | 21.53 | 21.78 | 21.67 | 21.56 | 21.83 |
|      |       | 1    | #Mid | 21.35 | 21.42 | 21.55 | 21.65 | 21.52 | 21.69 |
|      |       | 1    | #Max | 21.41 | 21.35 | 21.24 | 21.40 | 21.18 | 21.64 |
|      |       | 50%  | #0   | 19.51 | 19.55 | 19.55 | 19.72 | 19.51 | 19.83 |
|      |       | 50%  | #Mid | 19.37 | 19.44 | 19.53 | 19.47 | 19.49 | 19.75 |
|      |       | 50%  | #Max | 19.39 | 19.37 | 19.57 | 19.49 | 19.33 | 19.66 |
|      |       | 100% | --   | 18.57 | 18.64 | 18.51 | 18.65 | 18.65 | 18.70 |

| Channel | Modulation | LTE Band 4 |        |                                |       |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | 22.34                          | 22.36 | 22.46 | 22.57 | 22.51 | 23.04 |
|         |            | 1          | #Mid   | 22.23                          | 22.35 | 22.37 | 22.56 | 22.49 | 22.96 |
|         |            | 1          | #Max   | 22.25                          | 22.32 | 22.41 | 22.51 | 22.49 | 22.91 |
|         |            | 50%        | #0     | 21.72                          | 21.88 | 21.84 | 21.99 | 22.08 | 22.11 |
|         |            | 50%        | #Mid   | 21.94                          | 21.98 | 21.92 | 21.99 | 21.99 | 22.00 |
|         |            | 50%        | #Max   | 21.75                          | 21.75 | 21.81 | 21.96 | 21.94 | 22.01 |
|         |            | 100%       | --     | 20.87                          | 20.92 | 20.92 | 20.96 | 21.08 | 21.07 |
|         | 16QAM      | 1          | #0     | 22.21                          | 22.33 | 22.27 | 22.36 | 22.41 | 22.47 |
|         |            | 1          | #Mid   | 22.17                          | 22.12 | 22.22 | 22.24 | 22.33 | 22.43 |
|         |            | 1          | #Max   | 22.07                          | 22.34 | 22.21 | 22.26 | 22.39 | 22.42 |
|         |            | 50%        | #0     | 20.62                          | 20.92 | 20.84 | 20.82 | 20.89 | 21.01 |
|         |            | 50%        | #Mid   | 20.63                          | 20.64 | 20.64 | 20.75 | 21.01 | 20.91 |
|         |            | 50%        | #Max   | 20.66                          | 20.71 | 20.88 | 20.80 | 20.88 | 20.93 |
|         |            | 100%       | --     | 19.78                          | 19.76 | 19.90 | 19.85 | 19.95 | 20.02 |
|         | 64QAM      | 1          | #0     | 21.72                          | 21.72 | 21.76 | 21.85 | 21.86 | 22.05 |
|         |            | 1          | #Mid   | 21.63                          | 21.72 | 21.73 | 21.83 | 21.75 | 21.98 |
|         |            | 1          | #Max   | 21.76                          | 21.64 | 21.71 | 21.65 | 21.69 | 21.95 |
|         |            | 50%        | #0     | 19.82                          | 19.87 | 19.90 | 19.82 | 19.94 | 19.93 |
|         |            | 50%        | #Mid   | 19.67                          | 19.76 | 19.83 | 19.88 | 19.89 | 19.97 |
|         |            | 50%        | #Max   | 19.49                          | 19.57 | 19.72 | 19.67 | 19.84 | 19.85 |
|         |            | 100%       | --     | 18.73                          | 18.66 | 18.75 | 18.89 | 18.90 | 18.92 |
| Mid     | QPSK       | 1          | #0     | 22.74                          | 22.84 | 22.85 | 22.77 | 22.99 | 23.08 |
|         |            | 1          | #Mid   | 22.56                          | 22.74 | 22.75 | 22.76 | 22.96 | 22.98 |
|         |            | 1          | #Max   | 22.57                          | 22.73 | 22.58 | 22.67 | 22.87 | 22.93 |
|         |            | 50%        | #0     | 21.85                          | 21.96 | 21.93 | 21.93 | 22.10 | 22.14 |
|         |            | 50%        | #Mid   | 21.77                          | 21.83 | 21.79 | 21.75 | 21.92 | 22.01 |
|         |            | 50%        | #Max   | 21.73                          | 21.68 | 21.82 | 21.78 | 21.98 | 22.03 |
|         |            | 100%       | --     | 20.84                          | 21.06 | 21.00 | 20.94 | 21.01 | 21.12 |
|         | 16QAM      | 1          | #0     | 22.34                          | 22.28 | 22.29 | 22.41 | 22.22 | 22.50 |
|         |            | 1          | #Mid   | 22.28                          | 22.27 | 22.21 | 22.40 | 22.27 | 22.46 |
|         |            | 1          | #Max   | 22.14                          | 22.14 | 22.23 | 22.37 | 22.24 | 22.43 |
|         |            | 50%        | #0     | 20.93                          | 20.87 | 20.94 | 21.06 | 21.03 | 21.11 |
|         |            | 50%        | #Mid   | 20.69                          | 20.85 | 20.95 | 21.00 | 20.97 | 21.04 |
|         |            | 50%        | #Max   | 20.62                          | 20.71 | 20.84 | 20.89 | 20.96 | 21.02 |
|         |            | 100%       | --     | 19.82                          | 19.73 | 19.79 | 20.03 | 19.77 | 20.11 |
|         | 64QAM      | 1          | #0     | 21.96                          | 21.96 | 21.83 | 21.90 | 21.60 | 22.08 |
|         |            | 1          | #Mid   | 21.95                          | 21.91 | 21.74 | 21.88 | 21.59 | 22.05 |
|         |            | 1          | #Max   | 21.81                          | 21.89 | 21.71 | 21.76 | 21.58 | 22.08 |
|         |            | 50%        | #0     | 19.79                          | 19.74 | 19.67 | 19.80 | 19.50 | 19.99 |
|         |            | 50%        | #Mid   | 19.85                          | 19.72 | 19.71 | 19.76 | 19.52 | 19.99 |
|         |            | 50%        | #Max   | 19.56                          | 19.69 | 19.65 | 19.76 | 19.43 | 19.90 |
|         |            | 100%       | --     | 18.66                          | 18.73 | 18.72 | 18.77 | 18.58 | 19.00 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 22.76 | 22.84 | 22.78 | 22.93 | 22.95 | 22.98 |
|      |       | 1    | #Mid | 22.70 | 22.82 | 22.77 | 22.81 | 22.85 | 22.88 |
|      |       | 1    | #Max | 22.63 | 22.82 | 22.71 | 22.83 | 22.74 | 22.90 |
|      |       | 50%  | #0   | 21.84 | 21.83 | 21.82 | 21.86 | 21.86 | 21.91 |
|      |       | 50%  | #Mid | 21.85 | 21.85 | 21.84 | 21.86 | 21.87 | 21.88 |
|      |       | 50%  | #Max | 21.80 | 21.81 | 21.84 | 21.77 | 21.78 | 21.92 |
|      |       | 100% | --   | 20.95 | 21.05 | 20.85 | 20.95 | 20.96 | 21.11 |
|      | 16QAM | 1    | #0   | 22.22 | 22.19 | 22.19 | 22.29 | 22.18 | 22.38 |
|      |       | 1    | #Mid | 22.12 | 22.17 | 22.11 | 22.21 | 22.16 | 22.34 |
|      |       | 1    | #Max | 22.03 | 21.95 | 22.19 | 22.16 | 22.16 | 22.21 |
|      |       | 50%  | #0   | 20.90 | 20.84 | 20.89 | 20.77 | 20.83 | 21.03 |
|      |       | 50%  | #Mid | 20.82 | 20.87 | 20.80 | 20.74 | 20.73 | 20.90 |
|      |       | 50%  | #Max | 20.67 | 20.70 | 20.65 | 20.73 | 20.66 | 20.75 |
|      |       | 100% | --   | 19.65 | 19.54 | 19.68 | 19.75 | 19.79 | 20.05 |
|      | 64QAM | 1    | #0   | 21.71 | 21.76 | 21.90 | 21.88 | 21.95 | 22.01 |
|      |       | 1    | #Mid | 21.59 | 21.68 | 21.86 | 21.83 | 21.93 | 21.95 |
|      |       | 1    | #Max | 21.60 | 21.54 | 21.66 | 21.87 | 21.80 | 21.84 |
|      |       | 50%  | #0   | 19.70 | 18.84 | 19.82 | 19.66 | 19.73 | 19.91 |
|      |       | 50%  | #Mid | 19.76 | 19.85 | 19.83 | 19.76 | 19.75 | 19.92 |
|      |       | 50%  | #Max | 19.71 | 18.79 | 19.76 | 19.68 | 19.74 | 19.83 |
|      |       | 100% | --   | 18.95 | 18.90 | 18.91 | 18.92 | 18.92 | 18.99 |

| Channel | Modulation | LTE Band 5 |        |                                |       |       |       |     |     |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-----|-----|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |     |     |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1          | #0     | 22.27                          | 22.33 | 22.39 | 22.83 | --  | --  |
|         |            | 1          | #Mid   | 22.23                          | 22.29 | 22.23 | 22.56 | --  | --  |
|         |            | 1          | #Max   | 22.21                          | 22.26 | 22.27 | 22.41 | --  | --  |
|         |            | 50%        | #0     | 21.53                          | 21.58 | 21.61 | 21.69 | --  | --  |
|         |            | 50%        | #Mid   | 21.52                          | 21.52 | 21.57 | 21.63 | --  | --  |
|         |            | 50%        | #Max   | 21.41                          | 21.62 | 21.52 | 21.60 | --  | --  |
|         |            | 100%       | --     | 20.69                          | 20.83 | 20.83 | 20.88 | --  | --  |
|         | 16QAM      | 1          | #0     | 21.88                          | 21.89 | 21.83 | 22.34 | --  | --  |
|         |            | 1          | #Mid   | 21.79                          | 21.85 | 21.76 | 22.16 | --  | --  |
|         |            | 1          | #Max   | 21.73                          | 21.81 | 21.84 | 22.20 | --  | --  |
|         |            | 50%        | #0     | 20.83                          | 20.96 | 20.93 | 20.91 | --  | --  |
|         |            | 50%        | #Mid   | 20.80                          | 20.83 | 20.88 | 20.95 | --  | --  |
|         |            | 50%        | #Max   | 20.67                          | 20.83 | 20.86 | 20.90 | --  | --  |
|         |            | 100%       | --     | 19.66                          | 19.71 | 19.67 | 19.96 | --  | --  |
|         | 64QAM      | 1          | #0     | 21.78                          | 21.79 | 21.93 | 21.96 | --  | --  |
|         |            | 1          | #Mid   | 21.74                          | 21.78 | 21.92 | 21.83 | --  | --  |
|         |            | 1          | #Max   | 21.73                          | 21.71 | 21.91 | 21.79 | --  | --  |
|         |            | 50%        | #0     | 19.93                          | 19.94 | 19.85 | 19.96 | --  | --  |
|         |            | 50%        | #Mid   | 19.87                          | 19.92 | 19.88 | 19.95 | --  | --  |
|         |            | 50%        | #Max   | 19.70                          | 19.81 | 19.78 | 18.85 | --  | --  |
|         |            | 100%       | --     | 18.74                          | 18.83 | 18.80 | 18.89 | --  | --  |
| Mid     | QPSK       | 1          | #0     | 22.24                          | 22.41 | 22.44 | 22.85 | --  | --  |
|         |            | 1          | #Mid   | 22.23                          | 22.34 | 22.43 | 22.74 | --  | --  |
|         |            | 1          | #Max   | 22.22                          | 22.26 | 22.37 | 22.47 | --  | --  |
|         |            | 50%        | #0     | 21.36                          | 21.40 | 21.93 | 22.09 | --  | --  |
|         |            | 50%        | #Mid   | 21.36                          | 21.49 | 21.89 | 21.98 | --  | --  |
|         |            | 50%        | #Max   | 21.30                          | 21.45 | 21.82 | 21.95 | --  | --  |
|         |            | 100%       | --     | 20.88                          | 20.98 | 21.01 | 21.10 | --  | --  |
|         | 16QAM      | 1          | #0     | 22.22                          | 22.30 | 22.36 | 22.44 | --  | --  |
|         |            | 1          | #Mid   | 22.13                          | 22.29 | 22.32 | 22.37 | --  | --  |
|         |            | 1          | #Max   | 22.16                          | 22.16 | 22.28 | 22.35 | --  | --  |
|         |            | 50%        | #0     | 20.36                          | 20.43 | 20.48 | 21.10 | --  | --  |
|         |            | 50%        | #Mid   | 20.41                          | 20.36 | 20.37 | 20.97 | --  | --  |
|         |            | 50%        | #Max   | 20.41                          | 20.42 | 20.37 | 20.93 | --  | --  |
|         |            | 100%       | --     | 19.94                          | 19.98 | 19.96 | 19.99 | --  | --  |
|         | 64QAM      | 1          | #0     | 21.84                          | 21.90 | 22.00 | 22.07 | --  | --  |
|         |            | 1          | #Mid   | 21.79                          | 21.86 | 21.92 | 21.94 | --  | --  |
|         |            | 1          | #Max   | 21.76                          | 21.85 | 21.88 | 22.08 | --  | --  |
|         |            | 50%        | #0     | 19.59                          | 19.89 | 19.84 | 19.98 | --  | --  |
|         |            | 50%        | #Mid   | 19.56                          | 19.88 | 20.00 | 20.02 | --  | --  |
|         |            | 50%        | #Max   | 19.51                          | 19.79 | 19.84 | 19.86 | --  | --  |
|         |            | 100%       | --     | 18.87                          | 18.92 | 18.89 | 18.95 | --  | --  |

|      |       |      |      |       |       |       |       |    |    |
|------|-------|------|------|-------|-------|-------|-------|----|----|
| High | QPSK  | 1    | #0   | 22.39 | 22.45 | 22.55 | 22.82 | -- | -- |
|      |       | 1    | #Mid | 22.22 | 22.35 | 22.43 | 22.72 | -- | -- |
|      |       | 1    | #Max | 22.25 | 22.27 | 22.36 | 22.38 | -- | -- |
|      |       | 50%  | #0   | 21.46 | 21.65 | 21.63 | 21.68 | -- | -- |
|      |       | 50%  | #Mid | 21.49 | 21.50 | 21.54 | 21.63 | -- | -- |
|      |       | 50%  | #Max | 21.59 | 21.55 | 21.46 | 21.60 | -- | -- |
|      |       | 100% | --   | 20.86 | 20.90 | 20.88 | 21.06 | -- | -- |
|      | 16QAM | 1    | #0   | 22.23 | 22.20 | 22.28 | 22.42 | -- | -- |
|      |       | 1    | #Mid | 22.20 | 22.11 | 22.22 | 22.34 | -- | -- |
|      |       | 1    | #Max | 22.12 | 22.13 | 22.18 | 22.22 | -- | -- |
|      |       | 50%  | #0   | 20.61 | 20.60 | 20.78 | 20.86 | -- | -- |
|      |       | 50%  | #Mid | 20.65 | 20.63 | 20.77 | 20.79 | -- | -- |
|      |       | 50%  | #Max | 20.61 | 20.52 | 20.72 | 20.78 | -- | -- |
|      |       | 100% | --   | 19.83 | 19.77 | 19.95 | 19.97 | -- | -- |
|      | 64QAM | 1    | #0   | 21.85 | 21.88 | 21.81 | 21.98 | -- | -- |
|      |       | 1    | #Mid | 21.82 | 21.79 | 21.80 | 21.85 | -- | -- |
|      |       | 1    | #Max | 21.79 | 21.67 | 21.74 | 21.81 | -- | -- |
|      |       | 50%  | #0   | 19.57 | 19.53 | 19.86 | 19.92 | -- | -- |
|      |       | 50%  | #Mid | 19.51 | 19.45 | 19.69 | 19.79 | -- | -- |
|      |       | 50%  | #Max | 19.39 | 19.58 | 19.69 | 19.75 | -- | -- |
|      |       | 100% | --   | 18.79 | 18.90 | 18.87 | 18.93 | -- | -- |

| Channel | Modulation | LTE Band 7 |        |                                |    |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | --                             | -- | 22.66 | 22.85 | 22.57 | 23.44 |
|         |            | 1          | #Mid   | --                             | -- | 22.82 | 22.74 | 22.55 | 23.31 |
|         |            | 1          | #Max   | --                             | -- | 22.76 | 22.95 | 22.48 | 23.22 |
|         |            | 50%        | #0     | --                             | -- | 21.95 | 21.94 | 22.24 | 22.39 |
|         |            | 50%        | #Mid   | --                             | -- | 21.84 | 21.94 | 22.18 | 22.36 |
|         |            | 50%        | #Max   | --                             | -- | 21.93 | 22.00 | 22.16 | 22.35 |
|         |            | 100%       | --     | --                             | -- | 21.22 | 21.28 | 21.15 | 21.30 |
|         | 16QAM      | 1          | #0     | --                             | -- | 22.00 | 22.27 | 22.33 | 22.42 |
|         |            | 1          | #Mid   | --                             | -- | 21.68 | 22.18 | 22.31 | 22.40 |
|         |            | 1          | #Max   | --                             | -- | 22.08 | 22.34 | 22.26 | 22.38 |
|         |            | 50%        | #0     | --                             | -- | 20.66 | 21.22 | 21.16 | 21.25 |
|         |            | 50%        | #Mid   | --                             | -- | 20.66 | 21.13 | 21.11 | 21.23 |
|         |            | 50%        | #Max   | --                             | -- | 20.71 | 21.11 | 21.08 | 21.15 |
|         |            | 100%       | --     | --                             | -- | 20.05 | 20.06 | 20.04 | 20.41 |
|         | 64QAM      | 1          | #0     | --                             | -- | 22.07 | 22.12 | 22.07 | 22.23 |
|         |            | 1          | #Mid   | --                             | -- | 21.67 | 22.13 | 22.03 | 22.18 |
|         |            | 1          | #Max   | --                             | -- | 21.93 | 22.07 | 21.99 | 22.15 |
|         |            | 50%        | #0     | --                             | -- | 20.07 | 20.15 | 20.01 | 20.47 |
|         |            | 50%        | #Mid   | --                             | -- | 20.08 | 20.14 | 20.02 | 20.39 |
|         |            | 50%        | #Max   | --                             | -- | 20.04 | 20.10 | 20.22 | 20.38 |
|         |            | 100%       | --     | --                             | -- | 19.26 | 19.11 | 19.37 | 19.40 |
| Mid     | QPSK       | 1          | #0     | --                             | -- | 22.51 | 23.17 | 23.33 | 23.46 |
|         |            | 1          | #Mid   | --                             | -- | 22.45 | 23.16 | 23.31 | 23.44 |
|         |            | 1          | #Max   | --                             | -- | 22.53 | 23.12 | 23.28 | 23.39 |
|         |            | 50%        | #0     | --                             | -- | 21.60 | 22.24 | 22.37 | 22.41 |
|         |            | 50%        | #Mid   | --                             | -- | 21.60 | 22.28 | 22.35 | 22.40 |
|         |            | 50%        | #Max   | --                             | -- | 21.53 | 22.19 | 22.34 | 22.40 |
|         |            | 100%       | --     | --                             | -- | 21.45 | 21.32 | 21.32 | 21.47 |
|         | 16QAM      | 1          | #0     | --                             | -- | 22.02 | 22.32 | 22.25 | 22.54 |
|         |            | 1          | #Mid   | --                             | -- | 22.04 | 22.25 | 22.28 | 22.41 |
|         |            | 1          | #Max   | --                             | -- | 22.01 | 22.26 | 22.21 | 22.39 |
|         |            | 50%        | #0     | --                             | -- | 20.54 | 20.76 | 20.75 | 21.24 |
|         |            | 50%        | #Mid   | --                             | -- | 20.61 | 20.73 | 20.73 | 21.15 |
|         |            | 50%        | #Max   | --                             | -- | 20.69 | 20.70 | 20.70 | 21.12 |
|         |            | 100%       | --     | --                             | -- | 20.31 | 20.35 | 20.42 | 20.43 |
|         | 64QAM      | 1          | #0     | --                             | -- | 21.63 | 21.78 | 21.41 | 22.24 |
|         |            | 1          | #Mid   | --                             | -- | 21.89 | 21.86 | 21.45 | 22.18 |
|         |            | 1          | #Max   | --                             | -- | 21.59 | 21.85 | 21.53 | 22.15 |
|         |            | 50%        | #0     | --                             | -- | 20.35 | 20.37 | 20.30 | 20.49 |
|         |            | 50%        | #Mid   | --                             | -- | 20.37 | 20.36 | 20.42 | 20.44 |
|         |            | 50%        | #Max   | --                             | -- | 20.40 | 20.28 | 20.40 | 20.41 |
|         |            | 100%       | --     | --                             | -- | 19.34 | 19.25 | 19.38 | 19.49 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 22.28 | 22.57 | 22.25 | 23.42 |
|      |       | 1    | #Mid | -- | -- | 22.28 | 22.56 | 22.23 | 23.37 |
|      |       | 1    | #Max | -- | -- | 22.27 | 22.54 | 22.21 | 23.33 |
|      |       | 50%  | #0   | -- | -- | 21.35 | 21.63 | 21.33 | 22.33 |
|      |       | 50%  | #Mid | -- | -- | 21.37 | 21.70 | 21.37 | 22.32 |
|      |       | 50%  | #Max | -- | -- | 21.34 | 21.68 | 21.36 | 22.29 |
|      |       | 100% | --   | -- | -- | 21.25 | 21.28 | 21.27 | 21.38 |
|      | 16QAM | 1    | #0   | -- | -- | 21.59 | 21.94 | 22.31 | 22.33 |
|      |       | 1    | #Mid | -- | -- | 21.59 | 21.59 | 22.27 | 22.14 |
|      |       | 1    | #Max | -- | -- | 21.51 | 21.87 | 22.24 | 22.09 |
|      |       | 50%  | #0   | -- | -- | 20.39 | 20.53 | 20.29 | 20.76 |
|      |       | 50%  | #Mid | -- | -- | 20.39 | 20.54 | 20.35 | 20.80 |
|      |       | 50%  | #Max | -- | -- | 20.40 | 20.54 | 20.20 | 20.91 |
|      |       | 100% | --   | -- | -- | 20.41 | 20.28 | 20.30 | 20.43 |
|      | 64QAM | 1    | #0   | -- | -- | 21.77 | 21.82 | 21.03 | 21.96 |
|      |       | 1    | #Mid | -- | -- | 21.35 | 21.84 | 21.22 | 21.85 |
|      |       | 1    | #Max | -- | -- | 21.05 | 21.25 | 21.27 | 21.82 |
|      |       | 50%  | #0   | -- | -- | 20.37 | 20.28 | 20.26 | 20.38 |
|      |       | 50%  | #Mid | -- | -- | 20.30 | 20.28 | 20.24 | 20.33 |
|      |       | 50%  | #Max | -- | -- | 20.32 | 20.26 | 20.27 | 20.34 |
|      |       | 100% | --   | -- | -- | 19.24 | 19.23 | 19.28 | 19.38 |

| Channel | Modulation | LTE Band 12 |        |                                |       |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | 22.22                          | 22.91 | 22.90 | 23.35 | --  | --  |
|         |            | 1           | #Mid   | 22.15                          | 22.71 | 22.63 | 23.31 | --  | --  |
|         |            | 1           | #Max   | 22.16                          | 22.81 | 22.77 | 23.24 | --  | --  |
|         |            | 50%         | #0     | 22.21                          | 21.86 | 21.81 | 22.38 | --  | --  |
|         |            | 50%         | #Mid   | 22.13                          | 21.88 | 21.85 | 22.35 | --  | --  |
|         |            | 50%         | #Max   | 22.10                          | 21.78 | 21.84 | 22.31 | --  | --  |
|         |            | 100%        | --     | 21.19                          | 21.23 | 21.38 | 21.39 | --  | --  |
|         | 16QAM      | 1           | #0     | 22.22                          | 22.45 | 22.20 | 22.55 | --  | --  |
|         |            | 1           | #Mid   | 22.21                          | 22.47 | 22.10 | 22.52 | --  | --  |
|         |            | 1           | #Max   | 22.14                          | 22.09 | 21.86 | 22.49 | --  | --  |
|         |            | 50%         | #0     | 21.36                          | 20.90 | 20.90 | 21.38 | --  | --  |
|         |            | 50%         | #Mid   | 21.26                          | 20.95 | 20.92 | 21.32 | --  | --  |
|         |            | 50%         | #Max   | 21.31                          | 20.77 | 20.82 | 21.32 | --  | --  |
|         |            | 100%        | --     | 20.18                          | 20.34 | 20.17 | 20.36 | --  | --  |
|         | 64QAM      | 1           | #0     | 21.51                          | 22.15 | 22.24 | 22.29 | --  | --  |
|         |            | 1           | #Mid   | 21.42                          | 22.20 | 21.59 | 22.20 | --  | --  |
|         |            | 1           | #Max   | 21.13                          | 22.13 | 21.91 | 22.21 | --  | --  |
|         |            | 50%         | #0     | 20.32                          | 20.33 | 20.32 | 20.35 | --  | --  |
|         |            | 50%         | #Mid   | 20.22                          | 20.31 | 20.38 | 20.39 | --  | --  |
|         |            | 50%         | #Max   | 20.16                          | 20.27 | 20.30 | 20.31 | --  | --  |
|         |            | 100%        | --     | 19.24                          | 19.26 | 19.32 | 19.36 | --  | --  |
| Mid     | QPSK       | 1           | #0     | 22.24                          | 22.97 | 22.77 | 23.41 | --  | --  |
|         |            | 1           | #Mid   | 22.16                          | 22.87 | 22.71 | 23.37 | --  | --  |
|         |            | 1           | #Max   | 22.15                          | 22.71 | 22.75 | 23.36 | --  | --  |
|         |            | 50%         | #0     | 22.23                          | 21.84 | 21.81 | 22.42 | --  | --  |
|         |            | 50%         | #Mid   | 22.17                          | 21.85 | 21.89 | 22.36 | --  | --  |
|         |            | 50%         | #Max   | 22.14                          | 21.70 | 21.79 | 22.33 | --  | --  |
|         |            | 100%        | --     | 21.23                          | 21.30 | 21.27 | 21.40 | --  | --  |
|         | 16QAM      | 1           | #0     | 22.61                          | 22.59 | 22.55 | 22.72 | --  | --  |
|         |            | 1           | #Mid   | 22.57                          | 22.51 | 22.59 | 22.68 | --  | --  |
|         |            | 1           | #Max   | 22.59                          | 22.58 | 22.57 | 22.67 | --  | --  |
|         |            | 50%         | #0     | 21.34                          | 20.83 | 20.80 | 21.39 | --  | --  |
|         |            | 50%         | #Mid   | 21.31                          | 20.94 | 20.84 | 21.33 | --  | --  |
|         |            | 50%         | #Max   | 21.29                          | 20.84 | 20.86 | 21.33 | --  | --  |
|         |            | 100%        | --     | 20.29                          | 20.25 | 20.15 | 20.39 | --  | --  |
|         | 64QAM      | 1           | #0     | 21.38                          | 21.88 | 21.83 | 22.30 | --  | --  |
|         |            | 1           | #Mid   | 21.31                          | 21.74 | 22.16 | 22.23 | --  | --  |
|         |            | 1           | #Max   | 21.28                          | 22.21 | 21.81 | 22.29 | --  | --  |
|         |            | 50%         | #0     | 20.31                          | 20.31 | 20.30 | 20.39 | --  | --  |
|         |            | 50%         | #Mid   | 20.30                          | 20.28 | 20.31 | 20.40 | --  | --  |
|         |            | 50%         | #Max   | 20.26                          | 20.24 | 20.15 | 20.32 | --  | --  |
|         |            | 100%        | --     | 19.23                          | 19.24 | 19.15 | 19.41 | --  | --  |

|      |       |      |      |       |       |       |       |    |    |
|------|-------|------|------|-------|-------|-------|-------|----|----|
| High | QPSK  | 1    | #0   | 22.29 | 22.75 | 22.89 | 23.38 | -- | -- |
|      |       | 1    | #Mid | 22.20 | 22.71 | 22.79 | 22.92 | -- | -- |
|      |       | 1    | #Max | 22.11 | 22.74 | 22.80 | 23.06 | -- | -- |
|      |       | 50%  | #0   | 22.27 | 21.82 | 21.82 | 22.31 | -- | -- |
|      |       | 50%  | #Mid | 22.25 | 21.78 | 21.87 | 22.27 | -- | -- |
|      |       | 50%  | #Max | 22.26 | 21.75 | 21.70 | 22.29 | -- | -- |
|      |       | 100% | --   | 21.22 | 21.21 | 21.30 | 21.34 | -- | -- |
|      | 16QAM | 1    | #0   | 22.38 | 22.41 | 22.45 | 22.66 | -- | -- |
|      |       | 1    | #Mid | 22.36 | 22.48 | 22.42 | 22.63 | -- | -- |
|      |       | 1    | #Max | 22.24 | 22.47 | 22.49 | 22.61 | -- | -- |
|      |       | 50%  | #0   | 21.08 | 20.79 | 20.83 | 21.12 | -- | -- |
|      |       | 50%  | #Mid | 21.07 | 20.95 | 20.91 | 21.14 | -- | -- |
|      |       | 50%  | #Max | 21.01 | 20.88 | 20.67 | 21.15 | -- | -- |
|      |       | 100% | --   | 20.22 | 20.11 | 20.21 | 20.31 | -- | -- |
|      | 64QAM | 1    | #0   | 21.56 | 22.07 | 21.78 | 22.16 | -- | -- |
|      |       | 1    | #Mid | 21.45 | 22.07 | 22.04 | 22.13 | -- | -- |
|      |       | 1    | #Max | 21.21 | 22.05 | 21.69 | 22.19 | -- | -- |
|      |       | 50%  | #0   | 20.33 | 20.15 | 20.21 | 20.35 | -- | -- |
|      |       | 50%  | #Mid | 20.22 | 20.11 | 20.17 | 20.32 | -- | -- |
|      |       | 50%  | #Max | 20.24 | 20.10 | 20.27 | 20.30 | -- | -- |
|      |       | 100% | --   | 19.22 | 19.20 | 19.15 | 19.24 | -- | -- |

| Channel | Modulation | LTE Band 13 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 22.79 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.72 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.54 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.75 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.80 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.83 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.01 | --    | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.44 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.36 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.34 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.63 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.66 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.67 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 20.21 | --    | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.14 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.13 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.15 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.21 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.18 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.14 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.21 | --    | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 22.71 | 23.17 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.73 | 22.96 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.60 | 22.90 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.79 | 22.09 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.75 | 22.01 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.74 | 21.99 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.29 | 21.44 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.52 | 22.60 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.46 | 22.54 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.33 | 22.34 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.83 | 21.05 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.80 | 21.03 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.67 | 20.96 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 20.27 | 20.38 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.15 | 22.25 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.03 | 22.17 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.03 | 22.28 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.16 | 20.35 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.11 | 20.34 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.00 | 20.26 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.13 | 19.34 | --  | --  |

|      |       |      |      |    |    |       |    |    |    |
|------|-------|------|------|----|----|-------|----|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 22.53 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.52 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.56 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 21.76 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 21.63 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 21.73 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 21.33 | -- | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 21.98 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.04 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 21.98 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 20.59 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 20.68 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 20.72 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 20.32 | -- | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 21.55 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 21.54 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 21.48 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 20.28 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 20.22 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 20.17 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.27 | -- | -- | -- |

| Channel | Modulation | LTE Band 14 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 22.50 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.63 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.57 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.49 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.63 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.68 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.13 | --    | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.63 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.56 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.59 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.52 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.80 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.65 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 20.26 | --    | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.48 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 21.71 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 21.65 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.26 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.28 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.22 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.37 | --    | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 22.59 | 22.83 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.56 | 22.81 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.57 | 22.79 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.62 | 21.91 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.62 | 21.90 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.55 | 21.84 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.33 | 21.35 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.75 | 22.78 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.70 | 22.75 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.64 | 22.71 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.66 | 20.88 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.64 | 20.82 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.57 | 20.79 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 20.36 | 20.39 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.08 | 22.16 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.01 | 22.14 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.08 | 22.10 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.26 | 20.38 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.25 | 20.34 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.18 | 20.29 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.16 | 19.38 | --  | --  |

|      |       |      |      |    |    |       |    |    |    |
|------|-------|------|------|----|----|-------|----|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 22.71 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.65 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.62 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 21.75 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 21.73 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 21.70 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 21.17 | -- | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 22.46 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.34 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.37 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 20.78 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 20.76 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 20.79 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 20.26 | -- | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 22.04 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.08 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.01 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 20.17 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 20.16 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 20.09 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.34 | -- | -- | -- |

| Channel | Modulation | LTE Band 17 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 22.28 | 22.38 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.17 | 22.24 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.09 | 22.21 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.47 | 22.03 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.49 | 22.07 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.44 | 21.99 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.00 | 21.02 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.73 | 21.83 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 21.78 | 21.83 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 21.53 | 21.79 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.56 | 20.65 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.54 | 20.60 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.50 | 20.65 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.52 | 19.72 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.45 | 21.48 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 21.42 | 21.40 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 21.03 | 21.06 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.66 | 19.73 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.71 | 19.77 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.66 | 19.73 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 18.82 | 18.85 | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 22.13 | 22.34 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.04 | 22.26 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.14 | 22.21 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 21.48 | 22.12 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 21.51 | 22.08 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 21.51 | 22.08 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 21.01 | 21.09 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.28 | 22.29 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 22.21 | 22.29 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 22.25 | 22.23 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.49 | 20.73 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.58 | 20.64 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 20.58 | 20.68 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 20.01 | 20.04 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.23 | 21.28 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 21.15 | 21.21 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 21.21 | 21.27 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.96 | 20.08 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.96 | 19.97 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.81 | 20.00 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 18.79 | 18.95 | --  | --  |

|      |       |      |      |    |    |       |       |    |    |
|------|-------|------|------|----|----|-------|-------|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 22.14 | 22.24 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 22.05 | 22.26 | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.03 | 22.21 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 21.52 | 22.02 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 21.50 | 21.92 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 21.41 | 21.94 | -- | -- |
|      |       | 100% | --   | -- | -- | 20.99 | 21.07 | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 22.05 | 22.16 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 21.98 | 22.02 | -- | -- |
|      |       | 1    | #Max | -- | -- | 22.09 | 22.14 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 20.62 | 20.70 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 20.60 | 20.62 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 20.41 | 20.61 | -- | -- |
|      |       | 100% | --   | -- | -- | 19.67 | 19.74 | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 21.42 | 21.46 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 21.30 | 21.42 | -- | -- |
|      |       | 1    | #Max | -- | -- | 21.04 | 21.15 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.88 | 19.81 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.83 | 19.93 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.85 | 19.93 | -- | -- |
|      |       | 100% | --   | -- | -- | 18.81 | 18.88 | -- | -- |

| Channel | Modulation | LTE Band 25 |        |                                |       |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | 22.80                          | 22.90 | 22.99 | 22.92 | 22.80 | 23.19 |
|         |            | 1           | #Mid   | 22.80                          | 22.85 | 22.92 | 22.82 | 22.74 | 23.14 |
|         |            | 1           | #Max   | 22.65                          | 22.71 | 22.78 | 22.78 | 22.74 | 23.07 |
|         |            | 50%         | #0     | 21.90                          | 22.00 | 22.03 | 21.96 | 21.85 | 22.27 |
|         |            | 50%         | #Mid   | 21.89                          | 21.89 | 22.04 | 22.00 | 21.94 | 22.26 |
|         |            | 50%         | #Max   | 21.77                          | 21.82 | 21.94 | 22.02 | 21.84 | 22.25 |
|         |            | 100%        | --     | 21.11                          | 21.12 | 21.08 | 21.05 | 21.13 | 21.15 |
|         | 16QAM      | 1           | #0     | 22.21                          | 22.27 | 22.36 | 22.47 | 22.43 | 22.77 |
|         |            | 1           | #Mid   | 22.20                          | 22.27 | 21.87 | 22.41 | 22.03 | 22.72 |
|         |            | 1           | #Max   | 21.81                          | 21.90 | 22.09 | 22.21 | 21.83 | 22.70 |
|         |            | 50%         | #0     | 20.97                          | 21.04 | 20.98 | 20.97 | 21.06 | 21.12 |
|         |            | 50%         | #Mid   | 21.07                          | 21.10 | 20.96 | 21.01 | 20.98 | 21.13 |
|         |            | 50%         | #Max   | 21.01                          | 21.05 | 20.90 | 20.91 | 20.97 | 21.09 |
|         |            | 100%        | --     | 19.96                          | 20.06 | 19.95 | 20.17 | 20.16 | 20.05 |
|         | 64QAM      | 1           | #0     | 22.10                          | 22.15 | 22.41 | 22.06 | 22.33 | 22.23 |
|         |            | 1           | #Mid   | 21.96                          | 22.01 | 21.91 | 21.96 | 22.33 | 22.16 |
|         |            | 1           | #Max   | 21.92                          | 22.00 | 21.71 | 21.84 | 21.87 | 22.11 |
|         |            | 50%         | #0     | 20.04                          | 20.06 | 20.10 | 20.17 | 20.18 | 20.18 |
|         |            | 50%         | #Mid   | 19.83                          | 19.90 | 20.07 | 20.06 | 20.16 | 20.15 |
|         |            | 50%         | #Max   | 19.86                          | 19.88 | 19.99 | 20.04 | 20.11 | 20.14 |
|         |            | 100%        | --     | 19.02                          | 19.11 | 19.02 | 19.07 | 19.09 | 19.16 |
| Mid     | QPSK       | 1           | #0     | 22.83                          | 22.90 | 22.77 | 22.83 | 22.76 | 23.21 |
|         |            | 1           | #Mid   | 22.68                          | 22.78 | 22.69 | 22.82 | 22.71 | 23.15 |
|         |            | 1           | #Max   | 22.66                          | 22.70 | 22.66 | 22.71 | 22.74 | 23.11 |
|         |            | 50%         | #0     | 21.80                          | 21.86 | 21.90 | 21.86 | 21.84 | 22.31 |
|         |            | 50%         | #Mid   | 21.73                          | 21.83 | 21.85 | 21.97 | 21.88 | 22.31 |
|         |            | 50%         | #Max   | 21.80                          | 21.81 | 21.80 | 21.81 | 21.81 | 22.28 |
|         |            | 100%        | --     | 21.10                          | 21.16 | 21.08 | 21.28 | 21.34 | 21.38 |
|         | 16QAM      | 1           | #0     | 22.28                          | 22.35 | 22.30 | 22.34 | 22.37 | 22.88 |
|         |            | 1           | #Mid   | 22.11                          | 22.11 | 21.90 | 21.94 | 22.31 | 22.81 |
|         |            | 1           | #Max   | 21.84                          | 21.93 | 21.63 | 21.61 | 22.26 | 22.74 |
|         |            | 50%         | #0     | 21.01                          | 21.01 | 20.93 | 20.92 | 20.96 | 21.27 |
|         |            | 50%         | #Mid   | 20.74                          | 20.79 | 20.97 | 20.89 | 20.94 | 21.29 |
|         |            | 50%         | #Max   | 20.80                          | 20.89 | 20.89 | 20.92 | 20.83 | 21.18 |
|         |            | 100%        | --     | 19.85                          | 19.92 | 19.89 | 19.82 | 19.99 | 20.23 |
|         | 64QAM      | 1           | #0     | 21.87                          | 21.94 | 22.23 | 22.34 | 21.80 | 22.46 |
|         |            | 1           | #Mid   | 21.79                          | 21.89 | 21.90 | 21.91 | 21.67 | 22.43 |
|         |            | 1           | #Max   | 21.88                          | 21.88 | 22.14 | 21.69 | 21.57 | 22.39 |
|         |            | 50%         | #0     | 20.21                          | 20.24 | 20.19 | 20.14 | 19.98 | 20.25 |
|         |            | 50%         | #Mid   | 20.20                          | 20.21 | 20.09 | 20.14 | 19.95 | 20.22 |
|         |            | 50%         | #Max   | 20.11                          | 20.16 | 20.07 | 20.12 | 19.85 | 20.17 |
|         |            | 100%        | --     | 19.01                          | 19.02 | 19.06 | 18.82 | 19.05 | 19.21 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 22.89 | 22.90 | 22.85 | 22.89 | 22.76 | 23.16 |
|      |       | 1    | #Mid | 22.82 | 22.89 | 22.75 | 22.69 | 22.63 | 23.02 |
|      |       | 1    | #Max | 22.86 | 22.87 | 22.73 | 22.67 | 22.61 | 22.91 |
|      |       | 50%  | #0   | 21.93 | 21.94 | 21.94 | 21.95 | 21.87 | 22.25 |
|      |       | 50%  | #Mid | 21.84 | 21.88 | 21.90 | 21.91 | 21.85 | 22.20 |
|      |       | 50%  | #Max | 21.88 | 21.92 | 22.02 | 21.90 | 21.79 | 22.11 |
|      |       | 100% | --   | 19.94 | 19.94 | 19.95 | 21.00 | 21.05 | 21.17 |
|      | 16QAM | 1    | #0   | 22.25 | 22.33 | 22.33 | 22.23 | 22.22 | 22.50 |
|      |       | 1    | #Mid | 21.86 | 21.94 | 22.00 | 21.95 | 22.11 | 22.30 |
|      |       | 1    | #Max | 22.09 | 22.16 | 21.91 | 21.99 | 21.81 | 22.36 |
|      |       | 50%  | #0   | 21.03 | 21.03 | 20.83 | 20.93 | 20.88 | 21.15 |
|      |       | 50%  | #Mid | 20.93 | 20.93 | 20.90 | 20.89 | 20.85 | 21.22 |
|      |       | 50%  | #Max | 20.92 | 21.01 | 20.88 | 20.92 | 20.84 | 21.14 |
|      |       | 100% | --   | 19.96 | 20.03 | 19.92 | 19.82 | 19.88 | 20.08 |
|      | 64QAM | 1    | #0   | 21.81 | 21.86 | 22.16 | 21.92 | 21.82 | 22.17 |
|      |       | 1    | #Mid | 21.73 | 21.75 | 21.95 | 21.87 | 21.72 | 22.08 |
|      |       | 1    | #Max | 21.71 | 21.73 | 21.56 | 21.68 | 21.55 | 21.97 |
|      |       | 50%  | #0   | 19.91 | 19.95 | 19.88 | 19.92 | 19.86 | 20.16 |
|      |       | 50%  | #Mid | 19.76 | 19.84 | 19.84 | 19.87 | 19.85 | 20.14 |
|      |       | 50%  | #Max | 19.69 | 19.77 | 19.90 | 19.87 | 19.73 | 20.04 |
|      |       | 100% | --   | 18.88 | 18.95 | 18.83 | 19.01 | 18.98 | 19.07 |

| Channel | Modulation | LTE Band 26 |        |                                |       |       |       |       |     |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |     |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M |
| Low     | QPSK       | 1           | #0     | 22.59                          | 22.72 | 22.86 | 22.77 | 23.21 | --  |
|         |            | 1           | #Mid   | 22.58                          | 22.67 | 22.83 | 22.73 | 23.15 | --  |
|         |            | 1           | #Max   | 22.51                          | 22.66 | 22.73 | 22.72 | 23.06 | --  |
|         |            | 50%         | #0     | 21.87                          | 21.79 | 21.97 | 21.97 | 22.22 | --  |
|         |            | 50%         | #Mid   | 21.84                          | 21.81 | 21.92 | 21.92 | 22.21 | --  |
|         |            | 50%         | #Max   | 21.77                          | 21.80 | 21.86 | 21.92 | 22.17 | --  |
|         |            | 100%        | --     | 21.09                          | 21.05 | 21.04 | 21.10 | 21.44 | --  |
|         | 16QAM      | 1           | #0     | 22.21                          | 22.19 | 22.20 | 22.55 | 22.81 | --  |
|         |            | 1           | #Mid   | 22.14                          | 22.19 | 22.16 | 22.53 | 22.76 | --  |
|         |            | 1           | #Max   | 22.13                          | 22.14 | 22.14 | 22.52 | 22.74 | --  |
|         |            | 50%         | #0     | 21.17                          | 21.28 | 21.24 | 21.31 | 21.35 | --  |
|         |            | 50%         | #Mid   | 21.15                          | 21.23 | 21.21 | 21.26 | 21.32 | --  |
|         |            | 50%         | #Max   | 21.07                          | 21.15 | 21.16 | 21.24 | 21.31 | --  |
|         |            | 100%        | --     | 20.00                          | 20.09 | 20.07 | 20.11 | 20.22 | --  |
|         | 64QAM      | 1           | #0     | 22.27                          | 22.18 | 22.21 | 22.24 | 22.31 | --  |
|         |            | 1           | #Mid   | 22.26                          | 22.11 | 22.19 | 22.22 | 22.29 | --  |
|         |            | 1           | #Max   | 22.14                          | 22.09 | 22.17 | 22.17 | 22.23 | --  |
|         |            | 50%         | #0     | 20.24                          | 20.26 | 20.28 | 20.31 | 20.34 | --  |
|         |            | 50%         | #Mid   | 20.18                          | 20.22 | 20.29 | 20.29 | 20.30 | --  |
|         |            | 50%         | #Max   | 20.10                          | 20.19 | 20.27 | 20.21 | 20.24 | --  |
|         |            | 100%        | --     | 19.05                          | 19.17 | 19.19 | 19.19 | 19.22 | --  |
| Mid     | QPSK       | 1           | #0     | 22.64                          | 22.76 | 22.87 | 22.98 | 23.26 | --  |
|         |            | 1           | #Mid   | 22.61                          | 22.74 | 22.82 | 22.84 | 23.17 | --  |
|         |            | 1           | #Max   | 22.59                          | 22.71 | 22.69 | 22.82 | 23.11 | --  |
|         |            | 50%         | #0     | 21.75                          | 21.94 | 22.28 | 22.31 | 22.45 | --  |
|         |            | 50%         | #Mid   | 21.72                          | 21.91 | 22.21 | 22.29 | 22.38 | --  |
|         |            | 50%         | #Max   | 21.68                          | 21.89 | 22.20 | 22.24 | 22.33 | --  |
|         |            | 100%        | --     | 21.24                          | 21.28 | 21.37 | 21.38 | 21.48 | --  |
|         | 16QAM      | 1           | #0     | 22.55                          | 22.64 | 22.66 | 22.77 | 22.88 | --  |
|         |            | 1           | #Mid   | 22.51                          | 22.60 | 22.65 | 22.76 | 22.83 | --  |
|         |            | 1           | #Max   | 22.49                          | 22.56 | 22.61 | 22.68 | 22.83 | --  |
|         |            | 50%         | #0     | 20.76                          | 20.81 | 20.84 | 20.91 | 21.40 | --  |
|         |            | 50%         | #Mid   | 20.73                          | 20.75 | 20.77 | 20.84 | 21.38 | --  |
|         |            | 50%         | #Max   | 20.73                          | 20.74 | 20.76 | 20.79 | 21.32 | --  |
|         |            | 100%        | --     | 20.25                          | 20.31 | 20.31 | 20.34 | 20.36 | --  |
|         | 64QAM      | 1           | #0     | 22.19                          | 22.25 | 22.23 | 22.36 | 22.38 | --  |
|         |            | 1           | #Mid   | 22.17                          | 22.21 | 22.17 | 22.31 | 22.34 | --  |
|         |            | 1           | #Max   | 22.09                          | 22.18 | 22.15 | 22.28 | 22.30 | --  |
|         |            | 50%         | #0     | 19.94                          | 20.25 | 20.28 | 20.34 | 20.37 | --  |
|         |            | 50%         | #Mid   | 19.92                          | 20.24 | 20.26 | 20.28 | 20.33 | --  |
|         |            | 50%         | #Max   | 19.89                          | 20.21 | 20.24 | 20.20 | 20.31 | --  |
|         |            | 100%        | --     | 19.21                          | 19.25 | 19.27 | 19.31 | 19.39 | --  |

|      |       |      |      |       |       |       |       |       |    |
|------|-------|------|------|-------|-------|-------|-------|-------|----|
| High | QPSK  | 1    | #0   | 22.61 | 22.67 | 22.74 | 22.84 | 23.23 | -- |
|      |       | 1    | #Mid | 22.58 | 22.72 | 22.73 | 22.81 | 23.14 | -- |
|      |       | 1    | #Max | 22.56 | 22.66 | 22.69 | 22.75 | 23.08 | -- |
|      |       | 50%  | #0   | 21.84 | 21.91 | 21.94 | 21.92 | 22.38 | -- |
|      |       | 50%  | #Mid | 21.84 | 21.87 | 21.93 | 21.87 | 22.33 | -- |
|      |       | 50%  | #Max | 21.80 | 21.85 | 21.86 | 21.82 | 22.17 | -- |
|      |       | 100% | --   | 21.16 | 21.18 | 21.21 | 21.27 | 21.30 | -- |
|      | 16QAM | 1    | #0   | 22.47 | 22.56 | 22.63 | 22.77 | 22.84 | -- |
|      |       | 1    | #Mid | 22.42 | 22.51 | 22.57 | 22.71 | 22.80 | -- |
|      |       | 1    | #Max | 22.41 | 22.47 | 22.55 | 22.65 | 22.74 | -- |
|      |       | 50%  | #0   | 20.93 | 20.96 | 21.17 | 21.16 | 21.26 | -- |
|      |       | 50%  | #Mid | 20.92 | 20.94 | 21.13 | 21.11 | 21.22 | -- |
|      |       | 50%  | #Max | 20.87 | 20.90 | 21.08 | 21.07 | 21.22 | -- |
|      |       | 100% | --   | 20.06 | 20.15 | 20.29 | 20.23 | 20.30 | -- |
|      | 64QAM | 1    | #0   | 22.20 | 22.25 | 22.16 | 22.21 | 22.36 | -- |
|      |       | 1    | #Mid | 22.16 | 22.23 | 22.13 | 22.21 | 22.25 | -- |
|      |       | 1    | #Max | 22.13 | 22.04 | 22.12 | 22.15 | 22.28 | -- |
|      |       | 50%  | #0   | 19.90 | 19.90 | 20.17 | 20.24 | 20.29 | -- |
|      |       | 50%  | #Mid | 19.84 | 19.85 | 20.14 | 20.19 | 20.22 | -- |
|      |       | 50%  | #Max | 19.77 | 19.89 | 20.15 | 20.11 | 20.18 | -- |
|      |       | 100% | --   | 19.15 | 19.21 | 19.27 | 19.29 | 19.35 | -- |

| Channel | Modulation | LTE Band 38 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 23.12 | 23.18 | 23.25 | 23.44 |
|         |            | 1           | #Mid   | --                             | -- | 23.09 | 23.12 | 23.16 | 23.31 |
|         |            | 1           | #Max   | --                             | -- | 23.00 | 23.09 | 23.14 | 23.28 |
|         |            | 50%         | #0     | --                             | -- | 22.14 | 22.21 | 22.28 | 22.37 |
|         |            | 50%         | #Mid   | --                             | -- | 22.13 | 22.15 | 22.25 | 22.35 |
|         |            | 50%         | #Max   | --                             | -- | 22.06 | 22.16 | 22.16 | 22.31 |
|         |            | 100%        | --     | --                             | -- | 21.27 | 21.32 | 21.36 | 21.46 |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.74 | 22.76 | 22.84 | 22.72 |
|         |            | 1           | #Mid   | --                             | -- | 22.55 | 22.62 | 22.69 | 22.59 |
|         |            | 1           | #Max   | --                             | -- | 22.52 | 22.62 | 22.63 | 22.53 |
|         |            | 50%         | #0     | --                             | -- | 20.07 | 20.11 | 20.16 | 20.25 |
|         |            | 50%         | #Mid   | --                             | -- | 19.99 | 20.08 | 20.13 | 20.18 |
|         |            | 50%         | #Max   | --                             | -- | 19.98 | 19.99 | 20.06 | 20.16 |
|         |            | 100%        | --     | --                             | -- | 20.22 | 20.24 | 20.25 | 20.37 |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.26 | 22.26 | 22.28 | 22.36 |
|         |            | 1           | #Mid   | --                             | -- | 22.24 | 22.25 | 22.27 | 22.29 |
|         |            | 1           | #Max   | --                             | -- | 22.15 | 22.19 | 22.25 | 22.22 |
|         |            | 50%         | #0     | --                             | -- | 20.02 | 20.10 | 20.16 | 20.34 |
|         |            | 50%         | #Mid   | --                             | -- | 20.05 | 20.06 | 20.11 | 20.30 |
|         |            | 50%         | #Max   | --                             | -- | 20.01 | 20.05 | 20.08 | 20.28 |
|         |            | 100%        | --     | --                             | -- | 19.07 | 19.14 | 19.19 | 19.33 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 23.20 | 23.29 | 23.30 | 23.48 |
|         |            | 1           | #Mid   | --                             | -- | 23.12 | 23.18 | 23.26 | 23.33 |
|         |            | 1           | #Max   | --                             | -- | 23.09 | 23.11 | 23.21 | 23.31 |
|         |            | 50%         | #0     | --                             | -- | 22.17 | 22.20 | 22.24 | 22.43 |
|         |            | 50%         | #Mid   | --                             | -- | 21.99 | 22.09 | 22.15 | 22.35 |
|         |            | 50%         | #Max   | --                             | -- | 21.97 | 22.05 | 22.14 | 22.32 |
|         |            | 100%        | --     | --                             | -- | 21.14 | 21.18 | 21.26 | 21.48 |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.46 | 22.51 | 22.55 | 22.99 |
|         |            | 1           | #Mid   | --                             | -- | 22.28 | 22.34 | 22.44 | 22.89 |
|         |            | 1           | #Max   | --                             | -- | 22.35 | 22.35 | 22.38 | 22.86 |
|         |            | 50%         | #0     | --                             | -- | 21.13 | 21.17 | 21.24 | 21.35 |
|         |            | 50%         | #Mid   | --                             | -- | 21.06 | 21.11 | 21.17 | 21.31 |
|         |            | 50%         | #Max   | --                             | -- | 21.04 | 21.12 | 21.12 | 21.36 |
|         |            | 100%        | --     | --                             | -- | 20.21 | 20.24 | 20.25 | 20.46 |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.11 | 22.17 | 22.25 | 22.47 |
|         |            | 1           | #Mid   | --                             | -- | 22.02 | 22.10 | 22.16 | 22.45 |
|         |            | 1           | #Max   | --                             | -- | 22.11 | 22.13 | 22.13 | 22.38 |
|         |            | 50%         | #0     | --                             | -- | 20.22 | 20.29 | 20.37 | 20.46 |
|         |            | 50%         | #Mid   | --                             | -- | 20.18 | 20.21 | 20.27 | 20.45 |
|         |            | 50%         | #Max   | --                             | -- | 20.12 | 20.19 | 20.22 | 20.41 |
|         |            | 100%        | --     | --                             | -- | 19.08 | 19.14 | 19.24 | 19.35 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 23.16 | 23.23 | 23.29 | 23.45 |
|      |       | 1    | #Mid | -- | -- | 23.10 | 23.15 | 23.21 | 23.31 |
|      |       | 1    | #Max | -- | -- | 23.07 | 23.05 | 23.08 | 23.30 |
|      |       | 50%  | #0   | -- | -- | 22.25 | 22.32 | 22.33 | 22.40 |
|      |       | 50%  | #Mid | -- | -- | 22.12 | 22.16 | 22.26 | 22.32 |
|      |       | 50%  | #Max | -- | -- | 21.98 | 22.08 | 22.17 | 22.24 |
|      |       | 100% | --   | -- | -- | 21.25 | 21.35 | 21.37 | 21.42 |
|      | 16QAM | 1    | #0   | -- | -- | 22.40 | 22.47 | 22.52 | 22.64 |
|      |       | 1    | #Mid | -- | -- | 22.38 | 22.39 | 22.46 | 22.62 |
|      |       | 1    | #Max | -- | -- | 22.38 | 22.41 | 22.42 | 22.55 |
|      |       | 50%  | #0   | -- | -- | 21.19 | 21.18 | 21.15 | 21.29 |
|      |       | 50%  | #Mid | -- | -- | 21.18 | 21.13 | 21.16 | 21.28 |
|      |       | 50%  | #Max | -- | -- | 21.20 | 21.20 | 21.12 | 21.25 |
|      |       | 100% | --   | -- | -- | 20.13 | 20.13 | 20.15 | 20.35 |
|      | 64QAM | 1    | #0   | -- | -- | 22.24 | 22.29 | 22.32 | 22.38 |
|      |       | 1    | #Mid | -- | -- | 22.18 | 22.21 | 22.26 | 22.36 |
|      |       | 1    | #Max | -- | -- | 22.06 | 22.16 | 22.22 | 22.35 |
|      |       | 50%  | #0   | -- | -- | 20.33 | 20.34 | 20.37 | 20.36 |
|      |       | 50%  | #Mid | -- | -- | 20.19 | 20.27 | 20.36 | 20.35 |
|      |       | 50%  | #Max | -- | -- | 20.15 | 20.24 | 20.33 | 20.33 |
|      |       | 100% | --   | -- | -- | 19.03 | 19.08 | 19.11 | 19.31 |

| Channel | Modulation | LTE Band 41 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | -                              | -  | 22.84 | 22.86 | 22.87 | 23.41 |
|         |            | 1           | #Mid   | -                              | -  | 22.84 | 22.77 | 22.89 | 23.37 |
|         |            | 1           | #Max   | -                              | -  | 22.78 | 22.78 | 22.94 | 23.34 |
|         |            | 50%         | #0     | -                              | -  | 22.03 | 21.92 | 21.99 | 22.31 |
|         |            | 50%         | #Mid   | -                              | -  | 21.86 | 22.06 | 21.96 | 22.20 |
|         |            | 50%         | #Max   | -                              | -  | 21.92 | 22.04 | 22.04 | 22.15 |
|         |            | 100%        | --     | -                              | -  | 21.07 | 21.04 | 21.06 | 21.13 |
|         | 16QAM      | 1           | #0     | -                              | -  | 22.36 | 22.43 | 22.55 | 22.80 |
|         |            | 1           | #Mid   | -                              | -  | 22.32 | 22.32 | 22.36 | 22.60 |
|         |            | 1           | #Max   | -                              | -  | 22.28 | 22.27 | 22.31 | 22.61 |
|         |            | 50%         | #0     | -                              | -  | 20.69 | 20.62 | 20.64 | 20.73 |
|         |            | 50%         | #Mid   | -                              | -  | 20.65 | 20.62 | 20.20 | 20.71 |
|         |            | 50%         | #Max   | -                              | -  | 20.57 | 20.59 | 20.51 | 20.65 |
|         |            | 100%        | --     | -                              | -  | 19.47 | 19.57 | 19.66 | 19.89 |
|         | 64QAM      | 1           | #0     | -                              | -  | 22.14 | 22.10 | 22.25 | 22.29 |
|         |            | 1           | #Mid   | -                              | -  | 21.96 | 22.06 | 22.12 | 22.18 |
|         |            | 1           | #Max   | -                              | -  | 22.10 | 22.08 | 22.13 | 22.21 |
|         |            | 50%         | #0     | -                              | -  | 19.92 | 19.97 | 20.15 | 20.31 |
|         |            | 50%         | #Mid   | -                              | -  | 19.90 | 19.95 | 20.06 | 20.24 |
|         |            | 50%         | #Max   | -                              | -  | 19.79 | 19.88 | 20.07 | 20.21 |
|         |            | 100%        | --     | -                              | -  | 18.50 | 18.57 | 18.74 | 18.85 |
| Low-Mid | QPSK       | 1           | #0     | -                              | -  | 22.88 | 22.84 | 22.87 | 23.39 |
|         |            | 1           | #Mid   | -                              | -  | 22.72 | 22.77 | 22.70 | 23.29 |
|         |            | 1           | #Max   | -                              | -  | 22.70 | 22.78 | 22.78 | 23.28 |
|         |            | 50%         | #0     | -                              | -  | 21.72 | 21.71 | 21.86 | 22.36 |
|         |            | 50%         | #Mid   | -                              | -  | 21.78 | 21.69 | 21.86 | 22.29 |
|         |            | 50%         | #Max   | -                              | -  | 21.81 | 21.91 | 21.78 | 22.15 |
|         |            | 100%        | --     | -                              | -  | 20.82 | 20.79 | 20.89 | 21.01 |
|         | 16QAM      | 1           | #0     | -                              | -  | 22.15 | 22.12 | 22.20 | 22.77 |
|         |            | 1           | #Mid   | -                              | -  | 21.86 | 21.92 | 21.87 | 22.57 |
|         |            | 1           | #Max   | -                              | -  | 21.89 | 21.83 | 22.03 | 22.56 |
|         |            | 50%         | #0     | -                              | -  | 20.56 | 20.61 | 20.64 | 20.69 |
|         |            | 50%         | #Mid   | -                              | -  | 20.57 | 20.58 | 20.57 | 20.69 |
|         |            | 50%         | #Max   | -                              | -  | 20.58 | 20.51 | 20.53 | 20.62 |
|         |            | 100%        | --     | -                              | -  | 19.02 | 19.21 | 19.22 | 19.78 |

|          |       |      |      |   |   |       |       |       |       |
|----------|-------|------|------|---|---|-------|-------|-------|-------|
|          | 64QAM | 1    | #0   | - | - | 21.72 | 21.80 | 21.95 | 22.33 |
|          |       | 1    | #Mid | - | - | 21.64 | 21.73 | 21.89 | 22.10 |
|          |       | 1    | #Max | - | - | 21.63 | 21.66 | 21.79 | 22.17 |
|          |       | 50%  | #0   | - | - | 19.96 | 19.91 | 20.08 | 20.36 |
|          |       | 50%  | #Mid | - | - | 19.73 | 19.67 | 19.79 | 20.18 |
|          |       | 50%  | #Max | - | - | 19.75 | 19.73 | 19.83 | 20.13 |
|          |       | 100% | --   | - | - | 18.44 | 18.36 | 18.49 | 18.79 |
| Mid      | QPSK  | 1    | #0   | - | - | 22.81 | 22.94 | 22.86 | 23.48 |
|          |       | 1    | #Mid | - | - | 22.72 | 22.82 | 22.84 | 23.37 |
|          |       | 1    | #Max | - | - | 22.74 | 22.82 | 22.76 | 23.36 |
|          |       | 50%  | #0   | - | - | 21.83 | 21.95 | 21.85 | 22.36 |
|          |       | 50%  | #Mid | - | - | 21.74 | 21.76 | 21.79 | 22.31 |
|          |       | 50%  | #Max | - | - | 21.61 | 21.62 | 21.72 | 22.25 |
|          |       | 100% | --   | - | - | 21.00 | 20.91 | 20.96 | 21.25 |
|          | 16QAM | 1    | #0   | - | - | 22.64 | 22.79 | 22.73 | 22.89 |
|          |       | 1    | #Mid | - | - | 22.58 | 22.58 | 22.70 | 22.84 |
|          |       | 1    | #Max | - | - | 22.48 | 22.59 | 22.63 | 22.79 |
|          |       | 50%  | #0   | - | - | 20.52 | 20.61 | 20.59 | 20.76 |
|          |       | 50%  | #Mid | - | - | 20.35 | 20.46 | 20.58 | 20.75 |
|          |       | 50%  | #Max | - | - | 20.44 | 20.52 | 20.56 | 20.69 |
|          |       | 100% | --   | - | - | 19.92 | 20.22 | 20.16 | 20.31 |
|          | 64QAM | 1    | #0   | - | - | 21.89 | 21.77 | 21.93 | 22.33 |
|          |       | 1    | #Mid | - | - | 21.78 | 21.76 | 21.76 | 22.25 |
|          |       | 1    | #Max | - | - | 21.86 | 21.78 | 21.80 | 22.24 |
|          |       | 50%  | #0   | - | - | 20.01 | 19.98 | 20.05 | 20.45 |
|          |       | 50%  | #Mid | - | - | 19.98 | 19.90 | 19.97 | 20.40 |
|          |       | 50%  | #Max | - | - | 19.86 | 19.84 | 19.93 | 20.34 |
|          |       | 100% | --   | - | - | 18.86 | 18.78 | 18.80 | 19.29 |
| High-Mid | QPSK  | 1    | #0   | - | - | 22.83 | 22.89 | 22.93 | 23.42 |
|          |       | 1    | #Mid | - | - | 22.79 | 22.71 | 22.81 | 23.23 |
|          |       | 1    | #Max | - | - | 22.75 | 22.77 | 22.77 | 23.22 |
|          |       | 50%  | #0   | - | - | 21.73 | 21.74 | 21.78 | 22.29 |
|          |       | 50%  | #Mid | - | - | 21.75 | 21.74 | 21.76 | 22.25 |
|          |       | 50%  | #Max | - | - | 21.72 | 21.60 | 21.70 | 22.22 |
|          |       | 100% | --   | - | - | 20.55 | 20.60 | 20.65 | 21.23 |
|          | 16QAM | 1    | #0   | - | - | 22.36 | 22.37 | 22.49 | 22.82 |
|          |       | 1    | #Mid | - | - | 22.20 | 22.33 | 22.41 | 22.79 |

|      |       |      |      |   |   |       |       |       |       |
|------|-------|------|------|---|---|-------|-------|-------|-------|
|      |       | 1    | #Max | - | - | 22.05 | 22.21 | 22.38 | 22.70 |
|      |       | 50%  | #0   | - | - | 20.28 | 20.33 | 20.42 | 20.63 |
|      |       | 50%  | #Mid | - | - | 20.10 | 20.27 | 20.48 | 20.60 |
|      |       | 50%  | #Max | - | - | 19.98 | 20.08 | 20.24 | 20.51 |
|      |       | 100% | --   | - | - | 19.56 | 19.71 | 19.86 | 20.19 |
|      | 64QAM | 1    | #0   | - | - | 21.82 | 21.87 | 22.03 | 22.23 |
|      |       | 1    | #Mid | - | - | 21.68 | 21.75 | 21.77 | 22.15 |
|      |       | 1    | #Max | - | - | 21.79 | 21.80 | 21.72 | 22.08 |
|      |       | 50%  | #0   | - | - | 19.90 | 20.01 | 20.08 | 20.29 |
|      |       | 50%  | #Mid | - | - | 19.91 | 20.09 | 19.93 | 20.30 |
|      |       | 50%  | #Max | - | - | 19.78 | 19.91 | 19.76 | 20.16 |
|      |       | 100% | --   | - | - | 18.75 | 18.94 | 18.84 | 19.17 |
| High | QPSK  | 1    | #0   | - | - | 22.88 | 22.94 | 22.90 | 23.45 |
|      |       | 1    | #Mid | - | - | 22.83 | 22.85 | 22.87 | 23.35 |
|      |       | 1    | #Max | - | - | 22.82 | 22.70 | 22.75 | 23.34 |
|      |       | 50%  | #0   | - | - | 21.74 | 21.75 | 21.85 | 22.35 |
|      |       | 50%  | #Mid | - | - | 21.70 | 21.80 | 21.75 | 22.28 |
|      |       | 50%  | #Max | - | - | 21.76 | 21.69 | 21.71 | 22.25 |
|      |       | 100% | --   | - | - | 20.40 | 20.54 | 20.57 | 21.16 |
|      | 16QAM | 1    | #0   | - | - | 22.34 | 22.38 | 22.48 | 22.81 |
|      |       | 1    | #Mid | - | - | 22.26 | 22.33 | 22.44 | 22.79 |
|      |       | 1    | #Max | - | - | 22.21 | 22.32 | 22.39 | 22.79 |
|      |       | 50%  | #0   | - | - | 20.27 | 20.26 | 20.29 | 20.68 |
|      |       | 50%  | #Mid | - | - | 20.26 | 20.25 | 20.35 | 20.68 |
|      |       | 50%  | #Max | - | - | 20.19 | 20.21 | 20.36 | 20.69 |
|      |       | 100% | --   | - | - | 19.86 | 19.78 | 19.87 | 20.24 |
|      | 64QAM | 1    | #0   | - | - | 21.97 | 22.07 | 21.98 | 22.31 |
|      |       | 1    | #Mid | - | - | 22.03 | 21.82 | 21.96 | 22.16 |
|      |       | 1    | #Max | - | - | 22.23 | 21.79 | 21.80 | 22.18 |
|      |       | 50%  | #0   | - | - | 20.22 | 20.08 | 20.15 | 20.43 |
|      |       | 50%  | #Mid | - | - | 20.19 | 20.07 | 20.14 | 20.36 |
|      |       | 50%  | #Max | - | - | 20.17 | 20.02 | 20.05 | 20.31 |
|      |       | 100% | --   | - | - | 18.73 | 18.82 | 18.85 | 19.19 |

| Channel | Modulation | LTE Band 41 HPUE |        |                                |    |       |       |       |       |
|---------|------------|------------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB               | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.              | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1                | #0     | -                              | -  | 25.10 | 25.39 | 25.82 | 26.33 |
|         |            | 1                | #Mid   | -                              | -  | 25.14 | 25.39 | 25.84 | 26.14 |
|         |            | 1                | #Max   | -                              | -  | 25.09 | 25.47 | 25.86 | 26.19 |
|         |            | 50%              | #0     | -                              | -  | 24.22 | 24.54 | 24.84 | 25.34 |
|         |            | 50%              | #Mid   | -                              | -  | 24.28 | 24.57 | 24.91 | 25.32 |
|         |            | 50%              | #Max   | -                              | -  | 24.25 | 24.56 | 24.88 | 25.30 |
|         |            | 100%             | --     | -                              | -  | 24.25 | 24.18 | 24.29 | 24.30 |
|         | 16QAM      | 1                | #0     | -                              | -  | 24.62 | 24.69 | 25.03 | 25.39 |
|         |            | 1                | #Mid   | -                              | -  | 24.63 | 24.73 | 24.98 | 25.42 |
|         |            | 1                | #Max   | -                              | -  | 24.61 | 24.65 | 25.04 | 25.46 |
|         |            | 50%              | #0     | -                              | -  | 23.28 | 23.56 | 23.80 | 24.33 |
|         |            | 50%              | #Mid   | -                              | -  | 23.30 | 23.57 | 23.89 | 24.33 |
|         |            | 50%              | #Max   | -                              | -  | 23.28 | 23.58 | 23.89 | 24.34 |
|         |            | 100%             | --     | -                              | -  | 23.28 | 23.19 | 23.17 | 23.38 |
|         | 64QAM      | 1                | #0     | -                              | -  | 24.20 | 24.58 | 24.90 | 25.30 |
|         |            | 1                | #Mid   | -                              | -  | 24.26 | 24.52 | 24.87 | 25.27 |
|         |            | 1                | #Max   | -                              | -  | 24.26 | 24.59 | 24.95 | 25.21 |
|         |            | 50%              | #0     | -                              | -  | 23.20 | 23.17 | 23.16 | 23.26 |
|         |            | 50%              | #Mid   | -                              | -  | 23.23 | 23.13 | 23.19 | 23.24 |
|         |            | 50%              | #Max   | -                              | -  | 23.22 | 23.14 | 23.19 | 23.24 |
|         |            | 100%             | --     | -                              | -  | 22.22 | 22.29 | 22.27 | 22.32 |
| Low-Mid | QPSK       | 1                | #0     | -                              | -  | 25.32 | 25.60 | 26.03 | 26.29 |
|         |            | 1                | #Mid   | -                              | -  | 25.19 | 25.44 | 25.91 | 26.18 |
|         |            | 1                | #Max   | -                              | -  | 25.20 | 25.48 | 25.09 | 26.19 |
|         |            | 50%              | #0     | -                              | -  | 24.34 | 24.63 | 24.98 | 25.31 |
|         |            | 50%              | #Mid   | -                              | -  | 24.44 | 24.72 | 25.10 | 25.29 |
|         |            | 50%              | #Max   | -                              | -  | 24.43 | 24.73 | 25.08 | 25.20 |
|         |            | 100%             | --     | -                              | -  | 24.40 | 24.17 | 24.08 | 24.39 |
|         | 16QAM      | 1                | #0     | -                              | -  | 24.68 | 24.86 | 25.10 | 25.45 |
|         |            | 1                | #Mid   | -                              | -  | 24.52 | 24.82 | 25.10 | 25.49 |
|         |            | 1                | #Max   | -                              | -  | 24.56 | 24.92 | 25.25 | 25.57 |
|         |            | 50%              | #0     | -                              | -  | 23.36 | 23.61 | 23.94 | 24.41 |
|         |            | 50%              | #Mid   | -                              | -  | 23.47 | 23.79 | 24.03 | 24.48 |
|         |            | 50%              | #Max   | -                              | -  | 23.47 | 23.80 | 24.05 | 24.48 |
|         |            | 100%             | --     | -                              | -  | 23.40 | 23.32 | 23.17 | 23.41 |

|          |       |      |      |   |   |       |       |       |       |
|----------|-------|------|------|---|---|-------|-------|-------|-------|
|          | 64QAM | 1    | #0   | - | - | 24.35 | 24.64 | 24.98 | 25.37 |
|          |       | 1    | #Mid | - | - | 24.31 | 24.67 | 25.00 | 25.36 |
|          |       | 1    | #Max | - | - | 24.47 | 24.74 | 25.14 | 25.22 |
|          |       | 50%  | #0   | - | - | 23.23 | 23.36 | 23.32 | 23.38 |
|          |       | 50%  | #Mid | - | - | 23.43 | 23.39 | 23.29 | 23.44 |
|          |       | 50%  | #Max | - | - | 23.39 | 23.37 | 23.30 | 23.41 |
|          |       | 100% | --   | - | - | 22.26 | 22.34 | 22.31 | 22.36 |
| Mid      | QPSK  | 1    | #0   | - | - | 25.15 | 25.47 | 25.85 | 26.42 |
|          |       | 1    | #Mid | - | - | 25.15 | 25.45 | 25.84 | 26.22 |
|          |       | 1    | #Max | - | - | 25.17 | 25.54 | 25.87 | 26.16 |
|          |       | 50%  | #0   | - | - | 24.38 | 24.63 | 24.96 | 25.39 |
|          |       | 50%  | #Mid | - | - | 24.41 | 24.70 | 24.97 | 25.35 |
|          |       | 50%  | #Max | - | - | 24.39 | 24.64 | 24.96 | 25.38 |
|          |       | 100% | --   | - | - | 24.36 | 24.28 | 24.27 | 24.44 |
|          | 16QAM | 1    | #0   | - | - | 24.55 | 24.70 | 25.05 | 25.44 |
|          |       | 1    | #Mid | - | - | 24.57 | 24.67 | 25.07 | 25.47 |
|          |       | 1    | #Max | - | - | 24.53 | 24.72 | 25.04 | 25.38 |
|          |       | 50%  | #0   | - | - | 23.35 | 23.65 | 23.96 | 24.39 |
|          |       | 50%  | #Mid | - | - | 23.43 | 23.70 | 23.93 | 24.43 |
|          |       | 50%  | #Max | - | - | 23.36 | 23.68 | 23.97 | 24.45 |
|          |       | 100% | --   | - | - | 23.34 | 23.26 | 23.29 | 23.41 |
|          | 64QAM | 1    | #0   | - | - | 24.34 | 24.61 | 24.97 | 25.11 |
|          |       | 1    | #Mid | - | - | 24.35 | 24.67 | 24.96 | 25.02 |
|          |       | 1    | #Max | - | - | 24.35 | 24.66 | 25.00 | 25.03 |
|          |       | 50%  | #0   | - | - | 23.30 | 23.36 | 23.25 | 23.37 |
|          |       | 50%  | #Mid | - | - | 23.34 | 23.33 | 23.24 | 23.33 |
|          |       | 50%  | #Max | - | - | 23.27 | 23.38 | 23.21 | 23.36 |
|          |       | 100% | --   | - | - | 22.22 | 22.21 | 22.28 | 22.33 |
| High-Mid | QPSK  | 1    | #0   | - | - | 25.18 | 25.03 | 25.86 | 26.37 |
|          |       | 1    | #Mid | - | - | 25.15 | 25.38 | 25.91 | 26.07 |
|          |       | 1    | #Max | - | - | 25.20 | 25.57 | 26.01 | 26.28 |
|          |       | 50%  | #0   | - | - | 24.38 | 24.70 | 24.99 | 25.34 |
|          |       | 50%  | #Mid | - | - | 24.40 | 24.72 | 25.00 | 25.25 |
|          |       | 50%  | #Max | - | - | 24.43 | 24.71 | 24.98 | 25.33 |
|          |       | 100% | --   | - | - | 24.21 | 24.23 | 24.19 | 24.23 |
|          | 16QAM | 1    | #0   | - | - | 24.52 | 24.75 | 25.05 | 25.44 |
|          |       | 1    | #Mid | - | - | 24.56 | 24.74 | 25.08 | 25.49 |

|      |       |      |      |   |   |       |       |       |       |
|------|-------|------|------|---|---|-------|-------|-------|-------|
|      |       | 1    | #Max | - | - | 24.59 | 24.77 | 25.25 | 25.55 |
|      |       | 50%  | #0   | - | - | 23.40 | 23.72 | 24.01 | 24.15 |
|      |       | 50%  | #Mid | - | - | 23.46 | 23.72 | 24.00 | 24.42 |
|      |       | 50%  | #Max | - | - | 23.43 | 23.77 | 24.01 | 24.45 |
|      |       | 100% | --   | - | - | 23.20 | 23.22 | 23.23 | 23.30 |
|      | 64QAM | 1    | #0   | - | - | 24.37 | 24.68 | 25.05 | 25.28 |
|      |       | 1    | #Mid | - | - | 24.41 | 24.65 | 24.98 | 25.20 |
|      |       | 1    | #Max | - | - | 24.40 | 24.71 | 25.11 | 25.16 |
|      |       | 50%  | #0   | - | - | 23.25 | 23.23 | 23.01 | 23.36 |
|      |       | 50%  | #Mid | - | - | 23.28 | 23.22 | 23.04 | 23.38 |
|      |       | 50%  | #Max | - | - | 23.25 | 23.25 | 23.01 | 23.35 |
|      |       | 100% | --   | - | - | 22.23 | 22.21 | 22.23 | 22.29 |
| High | QPSK  | 1    | #0   | - | - | 24.83 | 25.25 | 25.60 | 26.38 |
|      |       | 1    | #Mid | - | - | 24.92 | 25.23 | 25.59 | 25.90 |
|      |       | 1    | #Max | - | - | 24.91 | 25.21 | 25.61 | 25.75 |
|      |       | 50%  | #0   | - | - | 23.97 | 24.92 | 24.48 | 25.36 |
|      |       | 50%  | #Mid | - | - | 24.12 | 24.57 | 24.86 | 24.69 |
|      |       | 50%  | #Max | - | - | 24.07 | 24.59 | 25.12 | 25.09 |
|      |       | 100% | --   | - | - | 24.08 | 24.04 | 24.05 | 24.13 |
|      | 16QAM | 1    | #0   | - | - | 24.62 | 24.65 | 24.76 | 25.20 |
|      |       | 1    | #Mid | - | - | 24.63 | 24.64 | 24.72 | 25.14 |
|      |       | 1    | #Max | - | - | 24.62 | 24.60 | 24.72 | 24.96 |
|      |       | 50%  | #0   | - | - | 22.85 | 23.24 | 23.92 | 24.14 |
|      |       | 50%  | #Mid | - | - | 23.13 | 23.24 | 23.82 | 24.14 |
|      |       | 50%  | #Max | - | - | 23.01 | 23.23 | 23.68 | 24.11 |
|      |       | 100% | --   | - | - | 23.03 | 23.25 | 23.21 | 23.31 |
|      | 64QAM | 1    | #0   | - | - | 24.06 | 24.43 | 24.66 | 25.10 |
|      |       | 1    | #Mid | - | - | 24.03 | 24.39 | 24.66 | 25.03 |
|      |       | 1    | #Max | - | - | 24.04 | 24.39 | 24.64 | 24.83 |
|      |       | 50%  | #0   | - | - | 23.03 | 23.20 | 23.28 | 23.30 |
|      |       | 50%  | #Mid | - | - | 23.07 | 23.40 | 23.29 | 23.41 |
|      |       | 50%  | #Max | - | - | 23.03 | 23.32 | 23.38 | 23.39 |
|      |       | 100% | --   | - | - | 22.03 | 22.25 | 22.21 | 22.26 |

| Channel | Modulation | LTE Band 42 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 21.72 | 22.02 | 22.23 | 23.22 |
|         |            | 1           | #Mid   | --                             | -- | 21.67 | 21.92 | 22.16 | 23.04 |
|         |            | 1           | #Max   | --                             | -- | 21.54 | 21.86 | 22.16 | 23.01 |
|         |            | 50%         | #0     | --                             | -- | 20.73 | 21.01 | 21.21 | 22.25 |
|         |            | 50%         | #Mid   | --                             | -- | 20.78 | 21.10 | 21.28 | 22.20 |
|         |            | 50%         | #Max   | --                             | -- | 20.71 | 20.99 | 21.14 | 22.21 |
|         |            | 100%        | --     | --                             | -- | 20.72 | 20.94 | 21.16 | 21.26 |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.75 | 21.54 | 21.54 | 21.77 |
|         |            | 1           | #Mid   | --                             | -- | 21.73 | 21.58 | 21.52 | 21.90 |
|         |            | 1           | #Max   | --                             | -- | 21.70 | 21.61 | 21.58 | 21.78 |
|         |            | 50%         | #0     | --                             | -- | 19.93 | 20.11 | 20.30 | 20.52 |
|         |            | 50%         | #Mid   | --                             | -- | 19.90 | 20.02 | 20.27 | 20.81 |
|         |            | 50%         | #Max   | --                             | -- | 19.88 | 20.01 | 20.24 | 20.67 |
|         |            | 100%        | --     | --                             | -- | 19.84 | 20.05 | 20.20 | 20.21 |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.39 | 21.05 | 21.36 | 21.53 |
|         |            | 1           | #Mid   | --                             | -- | 21.23 | 21.08 | 21.23 | 21.71 |
|         |            | 1           | #Max   | --                             | -- | 21.32 | 20.91 | 21.19 | 21.79 |
|         |            | 50%         | #0     | --                             | -- | 19.95 | 20.03 | 20.30 | 20.33 |
|         |            | 50%         | #Mid   | --                             | -- | 19.82 | 20.03 | 20.38 | 20.43 |
|         |            | 50%         | #Max   | --                             | -- | 19.79 | 19.92 | 20.24 | 20.38 |
|         |            | 100%        | --     | --                             | -- | 19.15 | 19.15 | 19.17 | 19.21 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 22.02 | 21.93 | 22.17 | 23.28 |
|         |            | 1           | #Mid   | --                             | -- | 21.97 | 21.82 | 22.19 | 23.05 |
|         |            | 1           | #Max   | --                             | -- | 22.03 | 21.84 | 22.12 | 23.10 |
|         |            | 50%         | #0     | --                             | -- | 21.20 | 21.02 | 21.12 | 22.23 |
|         |            | 50%         | #Mid   | --                             | -- | 21.03 | 21.11 | 21.28 | 22.16 |
|         |            | 50%         | #Max   | --                             | -- | 21.03 | 21.00 | 21.23 | 22.16 |
|         |            | 100%        | --     | --                             | -- | 21.08 | 21.05 | 21.06 | 21.45 |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.53 | 21.70 | 21.53 | 21.85 |
|         |            | 1           | #Mid   | --                             | -- | 21.65 | 21.69 | 21.58 | 22.03 |
|         |            | 1           | #Max   | --                             | -- | 21.51 | 21.61 | 21.51 | 21.88 |
|         |            | 50%         | #0     | --                             | -- | 19.91 | 20.15 | 20.18 | 20.66 |
|         |            | 50%         | #Mid   | --                             | -- | 20.02 | 20.05 | 20.24 | 20.85 |
|         |            | 50%         | #Max   | --                             | -- | 19.85 | 20.13 | 20.21 | 20.80 |
|         |            | 100%        | --     | --                             | -- | 19.91 | 20.08 | 20.18 | 20.22 |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.09 | 21.10 | 21.16 | 21.69 |
|         |            | 1           | #Mid   | --                             | -- | 20.87 | 21.01 | 21.21 | 21.76 |
|         |            | 1           | #Max   | --                             | -- | 20.96 | 21.02 | 21.24 | 21.80 |
|         |            | 50%         | #0     | --                             | -- | 19.88 | 19.98 | 20.20 | 20.46 |
|         |            | 50%         | #Mid   | --                             | -- | 19.85 | 20.06 | 20.26 | 20.48 |
|         |            | 50%         | #Max   | --                             | -- | 19.87 | 20.05 | 20.31 | 20.42 |
|         |            | 100%        | --     | --                             | -- | 19.16 | 19.21 | 19.25 | 19.34 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 21.94 | 21.85 | 22.19 | 23.08 |
|      |       | 1    | #Mid | -- | -- | 22.03 | 21.91 | 22.19 | 23.04 |
|      |       | 1    | #Max | -- | -- | 21.92 | 21.92 | 22.18 | 23.07 |
|      |       | 50%  | #0   | -- | -- | 20.99 | 20.94 | 21.24 | 22.29 |
|      |       | 50%  | #Mid | -- | -- | 21.14 | 20.96 | 21.24 | 22.25 |
|      |       | 50%  | #Max | -- | -- | 21.12 | 21.09 | 21.32 | 22.26 |
|      |       | 100% | --   | -- | -- | 20.99 | 20.96 | 21.17 | 21.21 |
|      | 16QAM | 1    | #0   | -- | -- | 21.67 | 21.60 | 21.65 | 21.82 |
|      |       | 1    | #Mid | -- | -- | 21.58 | 21.61 | 21.59 | 21.95 |
|      |       | 1    | #Max | -- | -- | 21.53 | 21.60 | 21.58 | 21.86 |
|      |       | 50%  | #0   | -- | -- | 19.98 | 19.98 | 20.21 | 20.52 |
|      |       | 50%  | #Mid | -- | -- | 20.16 | 19.99 | 20.22 | 20.78 |
|      |       | 50%  | #Max | -- | -- | 20.02 | 20.13 | 20.30 | 20.80 |
|      |       | 100% | --   | -- | -- | 19.99 | 19.99 | 20.19 | 20.20 |
|      | 64QAM | 1    | #0   | -- | -- | 20.95 | 21.03 | 21.20 | 21.68 |
|      |       | 1    | #Mid | -- | -- | 21.05 | 21.03 | 21.32 | 21.75 |
|      |       | 1    | #Max | -- | -- | 21.01 | 21.01 | 21.21 | 21.68 |
|      |       | 50%  | #0   | -- | -- | 19.91 | 20.01 | 20.23 | 20.40 |
|      |       | 50%  | #Mid | -- | -- | 19.97 | 19.98 | 20.23 | 20.41 |
|      |       | 50%  | #Max | -- | -- | 20.04 | 19.96 | 20.31 | 20.42 |
|      |       | 100% | --   | -- | -- | 19.02 | 19.12 | 19.07 | 19.27 |

| Channel | Modulation | LTE Band 43 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 22.89 | 22.82 | 22.95 | 23.40 |
|         |            | 1           | #Mid   | --                             | -- | 22.81 | 22.86 | 22.88 | 23.28 |
|         |            | 1           | #Max   | --                             | -- | 22.72 | 22.81 | 22.88 | 23.26 |
|         |            | 50%         | #0     | --                             | -- | 21.81 | 21.98 | 22.02 | 22.30 |
|         |            | 50%         | #Mid   | --                             | -- | 21.75 | 21.91 | 22.01 | 22.28 |
|         |            | 50%         | #Max   | --                             | -- | 21.83 | 21.92 | 22.00 | 22.21 |
|         |            | 100%        | --     | --                             | -- | 20.68 | 20.70 | 20.82 | 21.36 |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.97 | 22.04 | 22.23 | 22.88 |
|         |            | 1           | #Mid   | --                             | -- | 21.87 | 22.01 | 22.18 | 22.87 |
|         |            | 1           | #Max   | --                             | -- | 21.76 | 21.87 | 22.07 | 22.80 |
|         |            | 50%         | #0     | --                             | -- | 20.49 | 20.50 | 20.68 | 21.33 |
|         |            | 50%         | #Mid   | --                             | -- | 20.48 | 20.57 | 20.67 | 21.25 |
|         |            | 50%         | #Max   | --                             | -- | 20.46 | 20.47 | 20.66 | 21.22 |
|         |            | 100%        | --     | --                             | -- | 19.81 | 19.97 | 20.08 | 20.31 |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.01 | 22.01 | 22.16 | 22.42 |
|         |            | 1           | #Mid   | --                             | -- | 21.93 | 21.93 | 22.11 | 22.30 |
|         |            | 1           | #Max   | --                             | -- | 21.75 | 21.77 | 21.90 | 22.23 |
|         |            | 50%         | #0     | --                             | -- | 19.89 | 20.02 | 20.18 | 20.28 |
|         |            | 50%         | #Mid   | --                             | -- | 19.78 | 19.94 | 20.14 | 20.27 |
|         |            | 50%         | #Max   | --                             | -- | 19.82 | 19.97 | 20.11 | 20.14 |
|         |            | 100%        | --     | --                             | -- | 18.99 | 18.89 | 18.99 | 19.37 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 22.68 | 22.65 | 22.79 | 23.43 |
|         |            | 1           | #Mid   | --                             | -- | 22.56 | 22.58 | 22.68 | 23.39 |
|         |            | 1           | #Max   | --                             | -- | 22.38 | 22.41 | 22.59 | 23.33 |
|         |            | 50%         | #0     | --                             | -- | 21.58 | 21.67 | 21.82 | 22.31 |
|         |            | 50%         | #Mid   | --                             | -- | 21.65 | 21.61 | 21.74 | 22.29 |
|         |            | 50%         | #Max   | --                             | -- | 21.57 | 21.56 | 21.74 | 22.28 |
|         |            | 100%        | --     | --                             | -- | 21.15 | 21.06 | 21.23 | 21.44 |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.20 | 22.30 | 22.48 | 22.94 |
|         |            | 1           | #Mid   | --                             | -- | 22.16 | 22.35 | 22.39 | 22.93 |
|         |            | 1           | #Max   | --                             | -- | 22.14 | 22.31 | 22.31 | 22.75 |
|         |            | 50%         | #0     | --                             | -- | 20.71 | 20.88 | 21.02 | 21.44 |
|         |            | 50%         | #Mid   | --                             | -- | 20.67 | 20.86 | 20.99 | 21.35 |
|         |            | 50%         | #Max   | --                             | -- | 20.69 | 20.81 | 20.92 | 21.31 |
|         |            | 100%        | --     | --                             | -- | 19.84 | 20.01 | 20.04 | 20.45 |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.73 | 21.90 | 21.92 | 22.48 |
|         |            | 1           | #Mid   | --                             | -- | 21.63 | 21.80 | 21.83 | 22.46 |
|         |            | 1           | #Max   | --                             | -- | 21.51 | 21.51 | 21.64 | 22.46 |
|         |            | 50%         | #0     | --                             | -- | 19.66 | 19.86 | 20.03 | 20.44 |
|         |            | 50%         | #Mid   | --                             | -- | 19.69 | 19.84 | 20.03 | 20.35 |
|         |            | 50%         | #Max   | --                             | -- | 19.75 | 19.77 | 19.94 | 20.38 |
|         |            | 100%        | --     | --                             | -- | 19.03 | 19.18 | 19.23 | 19.44 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 22.49 | 22.50 | 22.66 | 23.21 |
|      |       | 1    | #Mid | -- | -- | 22.29 | 22.48 | 22.65 | 23.15 |
|      |       | 1    | #Max | -- | -- | 22.47 | 22.59 | 22.66 | 23.07 |
|      |       | 50%  | #0   | -- | -- | 21.52 | 21.64 | 21.84 | 22.24 |
|      |       | 50%  | #Mid | -- | -- | 21.77 | 21.78 | 21.82 | 22.23 |
|      |       | 50%  | #Max | -- | -- | 21.43 | 21.58 | 21.78 | 22.20 |
|      |       | 100% | --   | -- | -- | 20.83 | 20.95 | 21.15 | 21.28 |
|      | 16QAM | 1    | #0   | -- | -- | 22.45 | 22.50 | 22.55 | 22.88 |
|      |       | 1    | #Mid | -- | -- | 22.34 | 22.36 | 22.48 | 22.87 |
|      |       | 1    | #Max | -- | -- | 22.39 | 22.32 | 22.37 | 22.73 |
|      |       | 50%  | #0   | -- | -- | 20.85 | 20.81 | 20.91 | 21.38 |
|      |       | 50%  | #Mid | -- | -- | 20.73 | 20.71 | 20.82 | 21.34 |
|      |       | 50%  | #Max | -- | -- | 20.63 | 20.68 | 20.78 | 21.27 |
|      |       | 100% | --   | -- | -- | 20.28 | 20.23 | 20.24 | 20.32 |
|      | 64QAM | 1    | #0   | -- | -- | 21.83 | 21.86 | 21.90 | 22.32 |
|      |       | 1    | #Mid | -- | -- | 21.77 | 21.80 | 21.71 | 22.28 |
|      |       | 1    | #Max | -- | -- | 21.62 | 21.67 | 21.64 | 22.17 |
|      |       | 50%  | #0   | -- | -- | 19.86 | 20.03 | 20.02 | 20.39 |
|      |       | 50%  | #Mid | -- | -- | 19.93 | 19.94 | 19.95 | 20.26 |
|      |       | 50%  | #Max | -- | -- | 19.70 | 19.84 | 19.92 | 20.19 |
|      |       | 100% | --   | -- | -- | 19.08 | 19.15 | 19.13 | 19.25 |

| Channel | Modulation | LTE Band 66 |        |                                |       |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | 22.68                          | 22.76 | 22.79 | 22.83 | 22.87 | 23.36 |
|         |            | 1           | #Mid   | 22.61                          | 22.69 | 22.77 | 22.82 | 22.86 | 23.30 |
|         |            | 1           | #Max   | 22.64                          | 22.67 | 22.76 | 22.79 | 22.82 | 23.21 |
|         |            | 50%         | #0     | 22.12                          | 22.22 | 22.24 | 22.31 | 22.40 | 22.44 |
|         |            | 50%         | #Mid   | 22.24                          | 22.31 | 22.34 | 22.36 | 22.36 | 22.38 |
|         |            | 50%         | #Max   | 22.08                          | 22.14 | 22.21 | 22.22 | 22.31 | 22.37 |
|         |            | 100%        | --     | 21.18                          | 21.28 | 21.28 | 21.29 | 21.39 | 21.41 |
|         | 16QAM      | 1           | #0     | 22.56                          | 22.58 | 22.66 | 22.66 | 22.66 | 22.81 |
|         |            | 1           | #Mid   | 22.49                          | 22.48 | 22.55 | 22.57 | 22.64 | 22.76 |
|         |            | 1           | #Max   | 22.44                          | 22.54 | 22.55 | 22.57 | 22.62 | 22.74 |
|         |            | 50%         | #0     | 21.02                          | 21.12 | 21.18 | 21.18 | 21.26 | 21.31 |
|         |            | 50%         | #Mid   | 20.95                          | 20.98 | 21.03 | 21.13 | 21.23 | 21.29 |
|         |            | 50%         | #Max   | 21.04                          | 21.07 | 21.12 | 21.12 | 21.22 | 21.28 |
|         |            | 100%        | --     | 20.08                          | 20.11 | 20.13 | 20.18 | 20.26 | 20.34 |
|         | 64QAM      | 1           | #0     | 22.08                          | 22.11 | 22.15 | 22.18 | 22.15 | 22.35 |
|         |            | 1           | #Mid   | 22.03                          | 22.08 | 22.09 | 22.14 | 22.14 | 22.31 |
|         |            | 1           | #Max   | 21.98                          | 22.00 | 22.02 | 22.04 | 22.10 | 22.26 |
|         |            | 50%         | #0     | 20.21                          | 20.21 | 20.21 | 20.18 | 20.26 | 20.31 |
|         |            | 50%         | #Mid   | 20.00                          | 20.10 | 20.20 | 20.20 | 20.20 | 20.25 |
|         |            | 50%         | #Max   | 19.85                          | 19.91 | 20.00 | 20.06 | 20.14 | 20.24 |
|         |            | 100%        | --     | 18.98                          | 19.06 | 19.15 | 19.22 | 19.27 | 19.34 |
| Mid     | QPSK       | 1           | #0     | 23.13                          | 23.15 | 23.16 | 23.15 | 23.19 | 23.38 |
|         |            | 1           | #Mid   | 22.96                          | 23.01 | 23.10 | 23.14 | 23.16 | 23.32 |
|         |            | 1           | #Max   | 22.93                          | 22.94 | 22.97 | 23.00 | 23.07 | 23.27 |
|         |            | 50%         | #0     | 22.22                          | 22.24 | 22.24 | 22.24 | 22.30 | 22.47 |
|         |            | 50%         | #Mid   | 22.13                          | 22.15 | 22.11 | 22.12 | 22.22 | 22.40 |
|         |            | 50%         | #Max   | 22.06                          | 22.07 | 22.18 | 22.18 | 22.20 | 22.37 |
|         |            | 100%        | --     | 21.22                          | 21.32 | 21.32 | 21.32 | 21.36 | 21.43 |
|         | 16QAM      | 1           | #0     | 22.61                          | 22.65 | 22.65 | 22.69 | 22.78 | 22.85 |
|         |            | 1           | #Mid   | 22.58                          | 22.60 | 22.61 | 22.66 | 22.74 | 22.82 |
|         |            | 1           | #Max   | 22.51                          | 22.52 | 22.59 | 22.63 | 22.73 | 22.74 |
|         |            | 50%         | #0     | 21.16                          | 21.25 | 21.26 | 21.29 | 21.38 | 21.45 |
|         |            | 50%         | #Mid   | 21.08                          | 21.16 | 21.23 | 21.32 | 21.33 | 21.38 |
|         |            | 50%         | #Max   | 20.98                          | 21.06 | 21.13 | 21.21 | 21.30 | 21.36 |
|         |            | 100%        | --     | 20.09                          | 20.09 | 20.16 | 20.24 | 20.33 | 20.41 |
|         | 64QAM      | 1           | #0     | 22.30                          | 22.32 | 22.22 | 22.23 | 22.26 | 22.36 |
|         |            | 1           | #Mid   | 22.28                          | 22.30 | 22.14 | 22.20 | 22.23 | 22.34 |
|         |            | 1           | #Max   | 22.20                          | 22.27 | 22.08 | 22.11 | 22.17 | 22.31 |
|         |            | 50%         | #0     | 20.07                          | 20.12 | 20.07 | 20.14 | 20.20 | 20.33 |
|         |            | 50%         | #Mid   | 20.10                          | 20.11 | 20.04 | 20.08 | 20.18 | 20.30 |
|         |            | 50%         | #Max   | 19.96                          | 20.01 | 19.97 | 20.06 | 20.11 | 20.25 |
|         |            | 100%        | --     | 19.06                          | 19.13 | 19.04 | 19.13 | 19.20 | 19.38 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 23.08 | 23.15 | 23.16 | 23.17 | 23.21 | 23.35 |
|      |       | 1    | #Mid | 23.07 | 23.15 | 23.14 | 23.15 | 23.17 | 23.27 |
|      |       | 1    | #Max | 23.03 | 23.12 | 23.10 | 23.11 | 23.13 | 23.22 |
|      |       | 50%  | #0   | 22.24 | 22.30 | 22.32 | 22.15 | 22.20 | 22.31 |
|      |       | 50%  | #Mid | 22.19 | 22.25 | 22.29 | 22.10 | 22.16 | 22.26 |
|      |       | 50%  | #Max | 22.16 | 22.21 | 22.22 | 22.14 | 22.15 | 22.22 |
|      |       | 100% | --   | 21.31 | 21.35 | 21.22 | 21.26 | 21.33 | 21.40 |
|      | 16QAM | 1    | #0   | 22.43 | 22.50 | 22.51 | 22.56 | 22.57 | 22.67 |
|      |       | 1    | #Mid | 22.35 | 22.39 | 22.44 | 22.50 | 22.53 | 22.63 |
|      |       | 1    | #Max | 22.31 | 22.31 | 22.41 | 22.38 | 22.48 | 22.61 |
|      |       | 50%  | #0   | 21.12 | 21.11 | 21.13 | 21.12 | 21.18 | 21.32 |
|      |       | 50%  | #Mid | 21.06 | 21.12 | 21.12 | 21.03 | 21.05 | 21.22 |
|      |       | 50%  | #Max | 21.06 | 21.06 | 21.08 | 20.94 | 21.01 | 21.11 |
|      |       | 100% | --   | 19.86 | 19.94 | 20.02 | 20.07 | 20.16 | 20.29 |
|      | 64QAM | 1    | #0   | 22.06 | 22.15 | 22.16 | 22.24 | 22.29 | 22.33 |
|      |       | 1    | #Mid | 21.94 | 22.03 | 22.12 | 22.23 | 22.28 | 22.27 |
|      |       | 1    | #Max | 21.85 | 21.92 | 21.99 | 22.19 | 22.24 | 22.24 |
|      |       | 50%  | #0   | 20.07 | 20.17 | 20.19 | 20.05 | 20.11 | 20.28 |
|      |       | 50%  | #Mid | 20.06 | 20.15 | 20.15 | 20.09 | 20.09 | 20.26 |
|      |       | 50%  | #Max | 20.06 | 20.10 | 20.10 | 20.01 | 20.02 | 20.18 |
|      |       | 100% | --   | 19.16 | 19.23 | 19.25 | 19.28 | 19.28 | 19.33 |

| Channel | Modulation | LTE Band 71 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 22.94 | 23.05 | 23.17 | 23.27 |
|         |            | 1           | #Mid   | --                             | -- | 22.92 | 23.01 | 23.10 | 23.24 |
|         |            | 1           | #Max   | --                             | -- | 22.84 | 22.94 | 23.09 | 23.22 |
|         |            | 50%         | #0     | --                             | -- | 22.15 | 22.25 | 22.27 | 22.33 |
|         |            | 50%         | #Mid   | --                             | -- | 22.13 | 22.20 | 22.25 | 22.26 |
|         |            | 50%         | #Max   | --                             | -- | 22.09 | 22.11 | 22.17 | 22.22 |
|         |            | 100%        | --     | --                             | -- | 21.14 | 21.18 | 21.21 | 21.37 |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.66 | 22.70 | 22.71 | 22.88 |
|         |            | 1           | #Mid   | --                             | -- | 22.58 | 22.60 | 22.66 | 22.83 |
|         |            | 1           | #Max   | --                             | -- | 22.50 | 22.53 | 22.63 | 22.77 |
|         |            | 50%         | #0     | --                             | -- | 21.13 | 21.16 | 21.23 | 21.31 |
|         |            | 50%         | #Mid   | --                             | -- | 21.16 | 21.20 | 21.21 | 21.30 |
|         |            | 50%         | #Max   | --                             | -- | 21.10 | 21.14 | 21.18 | 21.24 |
|         |            | 100%        | --     | --                             | -- | 20.18 | 20.19 | 20.23 | 20.32 |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.09 | 22.15 | 22.22 | 22.32 |
|         |            | 1           | #Mid   | --                             | -- | 22.02 | 22.12 | 22.19 | 22.27 |
|         |            | 1           | #Max   | --                             | -- | 22.09 | 22.12 | 22.13 | 22.23 |
|         |            | 50%         | #0     | --                             | -- | 20.20 | 20.20 | 20.21 | 20.31 |
|         |            | 50%         | #Mid   | --                             | -- | 19.99 | 20.08 | 20.17 | 20.24 |
|         |            | 50%         | #Max   | --                             | -- | 19.95 | 20.04 | 20.12 | 20.23 |
|         |            | 100%        | --     | --                             | -- | 19.09 | 19.16 | 19.16 | 19.28 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 23.18 | 23.23 | 23.23 | 23.38 |
|         |            | 1           | #Mid   | --                             | -- | 23.06 | 23.13 | 23.20 | 23.32 |
|         |            | 1           | #Max   | --                             | -- | 23.05 | 23.08 | 23.15 | 23.28 |
|         |            | 50%         | #0     | --                             | -- | 22.27 | 22.22 | 22.20 | 22.33 |
|         |            | 50%         | #Mid   | --                             | -- | 22.14 | 22.18 | 22.12 | 22.29 |
|         |            | 50%         | #Max   | --                             | -- | 22.15 | 22.20 | 22.15 | 22.27 |
|         |            | 100%        | --     | --                             | -- | 21.21 | 21.20 | 21.24 | 21.38 |
|         | 16QAM      | 1           | #0     | --                             | -- | 22.66 | 22.70 | 22.79 | 22.89 |
|         |            | 1           | #Mid   | --                             | -- | 22.58 | 22.66 | 22.74 | 22.86 |
|         |            | 1           | #Max   | --                             | -- | 22.60 | 22.67 | 22.69 | 22.78 |
|         |            | 50%         | #0     | --                             | -- | 21.21 | 21.24 | 21.28 | 21.41 |
|         |            | 50%         | #Mid   | --                             | -- | 21.22 | 21.24 | 21.25 | 21.37 |
|         |            | 50%         | #Max   | --                             | -- | 21.13 | 21.14 | 21.24 | 21.33 |
|         |            | 100%        | --     | --                             | -- | 20.06 | 20.14 | 20.21 | 20.39 |
|         | 64QAM      | 1           | #0     | --                             | -- | 22.08 | 22.12 | 22.20 | 22.33 |
|         |            | 1           | #Mid   | --                             | -- | 22.09 | 22.11 | 22.17 | 22.30 |
|         |            | 1           | #Max   | --                             | -- | 22.02 | 22.07 | 22.13 | 22.26 |
|         |            | 50%         | #0     | --                             | -- | 20.07 | 20.11 | 20.18 | 20.33 |
|         |            | 50%         | #Mid   | --                             | -- | 19.99 | 20.03 | 20.11 | 20.28 |
|         |            | 50%         | #Max   | --                             | -- | 20.00 | 20.04 | 20.05 | 20.25 |
|         |            | 100%        | --     | --                             | -- | 19.10 | 19.11 | 19.15 | 19.35 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 23.11 | 23.16 | 23.15 | 23.22 |
|      |       | 1    | #Mid | -- | -- | 23.05 | 23.16 | 23.12 | 23.18 |
|      |       | 1    | #Max | -- | -- | 22.93 | 22.96 | 23.06 | 23.14 |
|      |       | 50%  | #0   | -- | -- | 22.11 | 22.12 | 22.18 | 22.30 |
|      |       | 50%  | #Mid | -- | -- | 22.07 | 22.14 | 22.16 | 22.26 |
|      |       | 50%  | #Max | -- | -- | 22.12 | 22.12 | 22.12 | 22.22 |
|      |       | 100% | --   | -- | -- | 21.13 | 21.14 | 21.14 | 21.22 |
|      | 16QAM | 1    | #0   | -- | -- | 22.63 | 22.65 | 22.75 | 22.85 |
|      |       | 1    | #Mid | -- | -- | 22.54 | 22.64 | 22.73 | 22.76 |
|      |       | 1    | #Max | -- | -- | 22.54 | 22.60 | 22.68 | 22.71 |
|      |       | 50%  | #0   | -- | -- | 21.11 | 21.13 | 21.22 | 21.36 |
|      |       | 50%  | #Mid | -- | -- | 21.10 | 21.14 | 21.17 | 21.31 |
|      |       | 50%  | #Max | -- | -- | 21.01 | 21.06 | 21.13 | 21.25 |
|      |       | 100% | --   | -- | -- | 20.13 | 20.14 | 20.17 | 20.35 |
|      | 64QAM | 1    | #0   | -- | -- | 22.15 | 22.22 | 22.25 | 22.32 |
|      |       | 1    | #Mid | -- | -- | 22.04 | 22.10 | 22.18 | 22.25 |
|      |       | 1    | #Max | -- | -- | 22.07 | 22.09 | 22.13 | 22.19 |
|      |       | 50%  | #0   | -- | -- | 20.06 | 20.10 | 20.13 | 20.32 |
|      |       | 50%  | #Mid | -- | -- | 20.03 | 20.03 | 20.10 | 20.26 |
|      |       | 50%  | #Max | -- | -- | 20.22 | 20.15 | 20.20 | 20.23 |
|      |       | 100% | --   | -- | -- | 19.11 | 19.11 | 19.13 | 19.34 |

## P-Sensor ON

| Channel | Modulation | LTE Band 2 |        |                                |       |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | 18.60                          | 18.85 | 18.72 | 18.85 | 18.71 | 19.16 |
|         |            | 1          | #Mid   | 18.39                          | 18.83 | 18.64 | 18.81 | 18.60 | 19.04 |
|         |            | 1          | #Max   | 18.39                          | 18.71 | 18.46 | 18.63 | 18.45 | 18.98 |
|         |            | 50%        | #0     | 18.38                          | 18.79 | 18.53 | 18.66 | 18.58 | 19.01 |
|         |            | 50%        | #Mid   | 18.34                          | 18.67 | 18.68 | 18.71 | 18.62 | 18.94 |
|         |            | 50%        | #Max   | 18.40                          | 18.73 | 18.69 | 18.62 | 18.61 | 18.87 |
|         |            | 100%       | --     | 18.41                          | 18.67 | 18.65 | 18.68 | 18.43 | 18.81 |
|         | 16QAM      | 1          | #0     | 18.56                          | 18.61 | 18.81 | 18.76 | 18.71 | 18.80 |
|         |            | 1          | #Mid   | 18.51                          | 18.48 | 18.60 | 18.68 | 18.69 | 18.70 |
|         |            | 1          | #Max   | 18.41                          | 18.51 | 18.61 | 18.59 | 18.66 | 18.81 |
|         |            | 50%        | #0     | 18.54                          | 18.43 | 18.67 | 18.53 | 18.61 | 18.74 |
|         |            | 50%        | #Mid   | 18.46                          | 18.53 | 18.71 | 18.71 | 18.71 | 18.80 |
|         |            | 50%        | #Max   | 18.35                          | 18.42 | 18.64 | 18.55 | 18.56 | 18.62 |
|         |            | 100%       | --     | 18.45                          | 18.40 | 18.68 | 18.58 | 18.59 | 18.60 |
|         | 64QAM      | 1          | #0     | 18.55                          | 18.66 | 18.72 | 18.69 | 18.59 | 18.82 |
|         |            | 1          | #Mid   | 18.34                          | 18.59 | 18.65 | 18.59 | 18.66 | 18.78 |
|         |            | 1          | #Max   | 18.35                          | 18.55 | 18.42 | 18.55 | 18.62 | 18.67 |
|         |            | 50%        | #0     | 18.54                          | 18.57 | 18.64 | 18.75 | 18.66 | 18.73 |
|         |            | 50%        | #Mid   | 18.53                          | 18.49 | 18.57 | 18.44 | 18.51 | 18.71 |
|         |            | 50%        | #Max   | 18.33                          | 18.39 | 18.55 | 18.54 | 18.55 | 18.85 |
|         |            | 100%       | --     | 18.45                          | 18.51 | 18.50 | 18.56 | 18.61 | 18.68 |
| Mid     | QPSK       | 1          | #0     | 18.44                          | 18.57 | 18.89 | 18.85 | 18.68 | 19.22 |
|         |            | 1          | #Mid   | 18.33                          | 18.46 | 18.73 | 18.70 | 18.67 | 19.10 |
|         |            | 1          | #Max   | 18.17                          | 18.50 | 18.63 | 18.61 | 18.67 | 19.04 |
|         |            | 50%        | #0     | 18.28                          | 18.50 | 18.93 | 18.70 | 18.61 | 19.03 |
|         |            | 50%        | #Mid   | 18.36                          | 18.47 | 18.85 | 18.83 | 18.66 | 19.00 |
|         |            | 50%        | #Max   | 18.20                          | 18.44 | 18.81 | 18.64 | 18.62 | 18.99 |
|         |            | 100%       | --     | 18.30                          | 18.55 | 18.74 | 18.81 | 18.69 | 19.03 |
|         | 16QAM      | 1          | #0     | 18.48                          | 18.60 | 18.67 | 18.63 | 18.70 | 18.81 |
|         |            | 1          | #Mid   | 18.39                          | 18.49 | 18.62 | 18.54 | 18.64 | 18.72 |
|         |            | 1          | #Max   | 18.29                          | 18.66 | 18.54 | 18.48 | 18.45 | 18.81 |
|         |            | 50%        | #0     | 18.44                          | 18.49 | 18.48 | 18.53 | 18.48 | 18.81 |
|         |            | 50%        | #Mid   | 18.35                          | 18.65 | 18.60 | 18.62 | 18.58 | 18.85 |
|         |            | 50%        | #Max   | 18.31                          | 18.48 | 18.57 | 18.47 | 18.51 | 18.67 |
|         |            | 100%       | --     | 18.21                          | 18.37 | 18.49 | 18.62 | 18.53 | 18.69 |
|         | 64QAM      | 1          | #0     | 18.45                          | 18.65 | 18.78 | 18.78 | 18.69 | 18.88 |
|         |            | 1          | #Mid   | 18.26                          | 18.51 | 18.72 | 18.71 | 18.67 | 18.85 |
|         |            | 1          | #Max   | 18.10                          | 18.46 | 18.52 | 18.59 | 18.60 | 18.69 |
|         |            | 50%        | #0     | 18.41                          | 18.76 | 18.63 | 18.62 | 18.58 | 18.79 |
|         |            | 50%        | #Mid   | 18.38                          | 18.63 | 18.70 | 18.68 | 18.70 | 18.74 |
|         |            | 50%        | #Max   | 18.25                          | 18.63 | 18.50 | 18.48 | 18.60 | 18.87 |
|         |            | 100%       | --     | 18.39                          | 18.65 | 18.61 | 18.58 | 18.56 | 18.78 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 18.41 | 18.69 | 18.76 | 18.73 | 18.53 | 19.02 |
|      |       | 1    | #Mid | 18.38 | 18.65 | 18.64 | 18.61 | 18.51 | 18.97 |
|      |       | 1    | #Max | 18.14 | 18.42 | 18.59 | 18.61 | 18.56 | 19.01 |
|      |       | 50%  | #0   | 18.35 | 18.69 | 18.78 | 18.73 | 18.70 | 18.99 |
|      |       | 50%  | #Mid | 18.28 | 18.59 | 18.75 | 18.66 | 18.78 | 18.97 |
|      |       | 50%  | #Max | 18.22 | 18.69 | 18.54 | 18.57 | 18.58 | 18.89 |
|      |       | 100% | --   | 18.31 | 18.85 | 18.60 | 18.68 | 18.70 | 18.88 |
|      | 16QAM | 1    | #0   | 18.67 | 18.63 | 18.64 | 18.71 | 18.60 | 18.76 |
|      |       | 1    | #Mid | 18.53 | 18.56 | 18.61 | 18.58 | 18.59 | 18.70 |
|      |       | 1    | #Max | 18.43 | 18.54 | 18.60 | 18.58 | 18.55 | 18.65 |
|      |       | 50%  | #0   | 18.52 | 18.60 | 18.58 | 18.61 | 18.57 | 18.66 |
|      |       | 50%  | #Mid | 18.42 | 18.53 | 18.65 | 18.63 | 18.43 | 18.67 |
|      |       | 50%  | #Max | 18.31 | 18.39 | 18.62 | 18.51 | 18.54 | 18.67 |
|      |       | 100% | --   | 18.46 | 18.40 | 18.63 | 18.56 | 18.44 | 18.64 |
|      | 64QAM | 1    | #0   | 18.46 | 18.65 | 18.66 | 18.63 | 18.65 | 18.72 |
|      |       | 1    | #Mid | 18.35 | 18.62 | 18.53 | 18.41 | 18.53 | 18.62 |
|      |       | 1    | #Max | 18.26 | 18.51 | 18.52 | 18.40 | 18.58 | 18.68 |
|      |       | 50%  | #0   | 18.41 | 18.35 | 18.48 | 18.60 | 18.57 | 18.70 |
|      |       | 50%  | #Mid | 18.38 | 18.42 | 18.53 | 18.56 | 18.47 | 18.71 |
|      |       | 50%  | #Max | 18.25 | 18.39 | 18.60 | 18.46 | 18.62 | 18.77 |
|      |       | 100% | --   | 18.21 | 18.52 | 18.61 | 18.62 | 18.63 | 18.71 |

| Channel | Modulation | LTE Band 4 |        |                                |       |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | 17.67                          | 17.65 | 17.84 | 17.84 | 17.84 | 17.85 |
|         |            | 1          | #Mid   | 17.53                          | 17.54 | 17.76 | 17.92 | 17.91 | 17.93 |
|         |            | 1          | #Max   | 17.50                          | 17.46 | 17.72 | 17.84 | 17.75 | 17.86 |
|         |            | 50%        | #0     | 17.38                          | 17.59 | 17.77 | 17.82 | 17.72 | 17.86 |
|         |            | 50%        | #Mid   | 17.38                          | 17.47 | 17.74 | 17.83 | 17.77 | 17.84 |
|         |            | 50%        | #Max   | 17.56                          | 17.45 | 17.64 | 17.81 | 17.72 | 17.86 |
|         |            | 100%       | --     | 17.55                          | 17.42 | 17.55 | 17.75 | 17.75 | 17.83 |
|         | 16QAM      | 1          | #0     | 17.61                          | 17.75 | 17.75 | 17.59 | 17.60 | 17.76 |
|         |            | 1          | #Mid   | 17.61                          | 17.58 | 17.59 | 17.55 | 17.63 | 17.72 |
|         |            | 1          | #Max   | 17.51                          | 17.55 | 17.69 | 17.50 | 17.68 | 17.70 |
|         |            | 50%        | #0     | 17.65                          | 17.62 | 17.52 | 17.45 | 17.50 | 17.67 |
|         |            | 50%        | #Mid   | 17.63                          | 17.60 | 17.59 | 17.42 | 17.47 | 17.65 |
|         |            | 50%        | #Max   | 17.63                          | 17.57 | 17.44 | 17.55 | 17.62 | 17.65 |
|         |            | 100%       | --     | 17.48                          | 17.46 | 17.54 | 17.64 | 17.66 | 17.68 |
|         | 64QAM      | 1          | #0     | 17.56                          | 17.70 | 17.69 | 17.68 | 17.72 | 17.79 |
|         |            | 1          | #Mid   | 17.53                          | 17.53 | 17.63 | 17.55 | 17.60 | 17.74 |
|         |            | 1          | #Max   | 17.42                          | 17.62 | 17.55 | 17.53 | 17.50 | 17.63 |
|         |            | 50%        | #0     | 17.48                          | 17.66 | 17.56 | 17.59 | 17.53 | 17.60 |
|         |            | 50%        | #Mid   | 17.46                          | 17.52 | 17.42 | 17.49 | 17.40 | 17.59 |
|         |            | 50%        | #Max   | 17.33                          | 17.57 | 17.42 | 17.46 | 17.37 | 17.65 |
|         |            | 100%       | --     | 17.30                          | 17.56 | 17.47 | 17.35 | 17.32 | 17.59 |
| Mid     | QPSK       | 1          | #0     | 17.69                          | 17.77 | 17.92 | 17.85 | 17.92 | 17.94 |
|         |            | 1          | #Mid   | 17.62                          | 17.66 | 17.88 | 17.81 | 17.81 | 17.93 |
|         |            | 1          | #Max   | 17.53                          | 17.50 | 17.82 | 17.76 | 17.63 | 17.89 |
|         |            | 50%        | #0     | 17.65                          | 17.61 | 17.77 | 17.77 | 17.84 | 17.88 |
|         |            | 50%        | #Mid   | 17.62                          | 17.79 | 17.68 | 17.76 | 17.85 | 17.93 |
|         |            | 50%        | #Max   | 17.58                          | 17.60 | 17.66 | 17.69 | 17.85 | 17.89 |
|         |            | 100%       | --     | 17.53                          | 17.74 | 17.61 | 17.67 | 17.77 | 17.85 |
|         | 16QAM      | 1          | #0     | 17.59                          | 17.56 | 17.57 | 17.60 | 17.69 | 17.79 |
|         |            | 1          | #Mid   | 17.37                          | 17.45 | 17.33 | 17.37 | 17.55 | 17.73 |
|         |            | 1          | #Max   | 17.33                          | 17.28 | 17.45 | 17.46 | 17.49 | 17.52 |
|         |            | 50%        | #0     | 17.45                          | 17.37 | 17.48 | 17.54 | 17.59 | 17.63 |
|         |            | 50%        | #Mid   | 17.43                          | 17.47 | 17.30 | 17.34 | 17.52 | 17.79 |
|         |            | 50%        | #Max   | 17.43                          | 17.38 | 17.22 | 17.41 | 17.61 | 17.65 |
|         |            | 100%       | --     | 17.36                          | 17.38 | 17.35 | 17.34 | 17.57 | 17.65 |
|         | 64QAM      | 1          | #0     | 17.60                          | 17.69 | 17.53 | 17.42 | 17.65 | 17.86 |
|         |            | 1          | #Mid   | 17.52                          | 17.42 | 17.40 | 17.37 | 17.61 | 17.75 |
|         |            | 1          | #Max   | 17.41                          | 17.30 | 17.50 | 17.32 | 17.46 | 17.68 |
|         |            | 50%        | #0     | 17.35                          | 17.59 | 17.49 | 17.33 | 17.48 | 17.60 |
|         |            | 50%        | #Mid   | 17.31                          | 17.44 | 17.26 | 17.32 | 17.39 | 17.51 |
|         |            | 50%        | #Max   | 17.46                          | 17.42 | 17.33 | 17.32 | 17.37 | 17.67 |
|         |            | 100%       | --     | 17.39                          | 17.27 | 17.32 | 17.36 | 17.46 | 17.59 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 17.68 | 17.72 | 17.89 | 17.66 | 17.76 | 17.90 |
|      |       | 1    | #Mid | 17.65 | 17.63 | 17.86 | 17.58 | 17.73 | 17.88 |
|      |       | 1    | #Max | 17.53 | 17.65 | 17.83 | 17.68 | 17.67 | 17.84 |
|      |       | 50%  | #0   | 17.66 | 17.58 | 17.83 | 17.62 | 17.68 | 17.88 |
|      |       | 50%  | #Mid | 17.55 | 17.72 | 17.81 | 17.58 | 17.68 | 17.81 |
|      |       | 50%  | #Max | 17.48 | 17.61 | 17.78 | 17.65 | 17.64 | 17.80 |
|      |       | 100% | --   | 17.37 | 17.64 | 17.73 | 17.68 | 17.59 | 17.74 |
|      | 16QAM | 1    | #0   | 17.53 | 17.59 | 17.64 | 17.59 | 17.66 | 17.75 |
|      |       | 1    | #Mid | 17.52 | 17.54 | 17.45 | 17.52 | 17.65 | 17.67 |
|      |       | 1    | #Max | 17.51 | 17.48 | 17.50 | 17.49 | 17.45 | 17.57 |
|      |       | 50%  | #0   | 17.44 | 17.43 | 17.50 | 16.55 | 17.64 | 17.72 |
|      |       | 50%  | #Mid | 17.39 | 17.55 | 17.53 | 17.52 | 17.58 | 17.66 |
|      |       | 50%  | #Max | 17.40 | 17.50 | 17.43 | 17.52 | 17.63 | 17.64 |
|      |       | 100% | --   | 17.43 | 17.39 | 17.43 | 17.51 | 17.42 | 17.48 |
|      | 64QAM | 1    | #0   | 17.56 | 17.61 | 17.64 | 17.58 | 17.44 | 17.69 |
|      |       | 1    | #Mid | 17.42 | 17.55 | 17.61 | 17.53 | 17.39 | 17.63 |
|      |       | 1    | #Max | 17.49 | 17.34 | 17.53 | 17.45 | 17.35 | 17.65 |
|      |       | 50%  | #0   | 17.57 | 17.46 | 17.38 | 17.56 | 17.45 | 17.68 |
|      |       | 50%  | #Mid | 17.43 | 17.42 | 17.45 | 17.43 | 17.42 | 17.55 |
|      |       | 50%  | #Max | 17.42 | 17.37 | 17.45 | 17.46 | 17.34 | 17.62 |
|      |       | 100% | --   | 17.33 | 17.35 | 17.32 | 17.43 | 17.38 | 17.45 |

| Channel | Modulation | LTE Band 5 |        |                                |       |       |       |     |     |
|---------|------------|------------|--------|--------------------------------|-------|-------|-------|-----|-----|
|         |            | RB         | RB     | Maximum Conducted Output Power |       |       |       |     |     |
|         |            | No.        | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1          | #0     | 19.85                          | 19.82 | 19.94 | 20.04 | --  | --  |
|         |            | 1          | #Mid   | 19.80                          | 19.90 | 19.91 | 19.96 | --  | --  |
|         |            | 1          | #Max   | 18.72                          | 19.82 | 19.83 | 19.94 | --  | --  |
|         |            | 50%        | #0     | 19.84                          | 19.89 | 19.82 | 19.95 | --  | --  |
|         |            | 50%        | #Mid   | 19.67                          | 19.79 | 19.82 | 19.87 | --  | --  |
|         |            | 50%        | #Max   | 19.65                          | 19.85 | 19.71 | 19.79 | --  | --  |
|         |            | 100%       | --     | 19.80                          | 19.93 | 19.76 | 19.87 | --  | --  |
|         | 16QAM      | 1          | #0     | 19.57                          | 19.59 | 19.54 | 19.62 | --  | --  |
|         |            | 1          | #Mid   | 19.60                          | 19.61 | 19.56 | 19.61 | --  | --  |
|         |            | 1          | #Max   | 19.43                          | 19.60 | 19.53 | 19.64 | --  | --  |
|         |            | 50%        | #0     | 19.36                          | 19.50 | 19.51 | 19.69 | --  | --  |
|         |            | 50%        | #Mid   | 19.32                          | 19.54 | 19.60 | 19.65 | --  | --  |
|         |            | 50%        | #Max   | 19.36                          | 19.50 | 19.48 | 19.64 | --  | --  |
|         |            | 100%       | --     | 19.36                          | 19.46 | 19.52 | 19.60 | --  | --  |
|         | 64QAM      | 1          | #0     | 19.45                          | 19.58 | 19.54 | 19.67 | --  | --  |
|         |            | 1          | #Mid   | 19.52                          | 19.54 | 19.42 | 19.60 | --  | --  |
|         |            | 1          | #Max   | 19.43                          | 19.28 | 19.49 | 19.60 | --  | --  |
|         |            | 50%        | #0     | 19.19                          | 19.48 | 19.48 | 19.67 | --  | --  |
|         |            | 50%        | #Mid   | 19.53                          | 19.53 | 19.49 | 19.60 | --  | --  |
|         |            | 50%        | #Max   | 19.40                          | 19.36 | 19.51 | 19.62 | --  | --  |
|         |            | 100%       | --     | 19.39                          | 19.48 | 19.46 | 19.50 | --  | --  |
| Mid     | QPSK       | 1          | #0     | 19.83                          | 19.84 | 19.80 | 20.14 | --  | --  |
|         |            | 1          | #Mid   | 19.83                          | 19.39 | 19.86 | 20.08 | --  | --  |
|         |            | 1          | #Max   | 19.68                          | 19.77 | 19.86 | 19.99 | --  | --  |
|         |            | 50%        | #0     | 19.64                          | 19.74 | 19.87 | 19.90 | --  | --  |
|         |            | 50%        | #Mid   | 19.64                          | 19.80 | 19.83 | 19.85 | --  | --  |
|         |            | 50%        | #Max   | 19.63                          | 19.77 | 19.83 | 18.84 | --  | --  |
|         |            | 100%       | --     | 19.56                          | 19.77 | 19.79 | 19.80 | --  | --  |
|         | 16QAM      | 1          | #0     | 19.58                          | 19.65 | 19.66 | 19.66 | --  | --  |
|         |            | 1          | #Mid   | 19.54                          | 19.49 | 19.56 | 19.55 | --  | --  |
|         |            | 1          | #Max   | 19.56                          | 19.55 | 19.55 | 19.56 | --  | --  |
|         |            | 50%        | #0     | 19.43                          | 19.50 | 19.59 | 19.67 | --  | --  |
|         |            | 50%        | #Mid   | 19.46                          | 19.44 | 19.57 | 19.62 | --  | --  |
|         |            | 50%        | #Max   | 19.49                          | 19.41 | 19.46 | 19.72 | --  | --  |
|         |            | 100%       | --     | 19.50                          | 19.43 | 19.50 | 19.61 | --  | --  |
|         | 64QAM      | 1          | #0     | 19.58                          | 19.39 | 19.49 | 19.71 | --  | --  |
|         |            | 1          | #Mid   | 19.37                          | 19.36 | 19.47 | 19.64 | --  | --  |
|         |            | 1          | #Max   | 19.36                          | 19.41 | 19.43 | 19.65 | --  | --  |
|         |            | 50%        | #0     | 19.40                          | 19.28 | 19.53 | 19.65 | --  | --  |
|         |            | 50%        | #Mid   | 19.28                          | 19.58 | 19.50 | 19.67 | --  | --  |
|         |            | 50%        | #Max   | 19.30                          | 19.50 | 19.52 | 19.70 | --  | --  |
|         |            | 100%       | --     | 19.37                          | 19.37 | 19.50 | 19.61 | --  | --  |

|      |       |      |      |       |       |       |       |    |    |
|------|-------|------|------|-------|-------|-------|-------|----|----|
| High | QPSK  | 1    | #0   | 19.64 | 19.79 | 19.94 | 20.05 | -- | -- |
|      |       | 1    | #Mid | 19.72 | 19.60 | 19.99 | 20.09 | -- | -- |
|      |       | 1    | #Max | 19.67 | 19.68 | 20.00 | 20.01 | -- | -- |
|      |       | 50%  | #0   | 19.70 | 19.76 | 19.97 | 20.03 | -- | -- |
|      |       | 50%  | #Mid | 19.71 | 19.69 | 19.93 | 19.97 | -- | -- |
|      |       | 50%  | #Max | 19.71 | 19.73 | 19.89 | 19.97 | -- | -- |
|      |       | 100% | --   | 19.72 | 19.69 | 19.92 | 19.99 | -- | -- |
|      | 16QAM | 1    | #0   | 19.61 | 19.62 | 19.57 | 19.78 | -- | -- |
|      |       | 1    | #Mid | 19.43 | 19.64 | 19.44 | 19.62 | -- | -- |
|      |       | 1    | #Max | 19.62 | 19.61 | 19.50 | 19.65 | -- | -- |
|      |       | 50%  | #0   | 19.61 | 19.53 | 19.56 | 19.75 | -- | -- |
|      |       | 50%  | #Mid | 19.48 | 19.47 | 19.51 | 19.66 | -- | -- |
|      |       | 50%  | #Max | 19.60 | 19.59 | 19.44 | 19.72 | -- | -- |
|      |       | 100% | --   | 19.50 | 19.60 | 19.50 | 19.61 | -- | -- |
|      | 64QAM | 1    | #0   | 19.45 | 19.63 | 19.61 | 19.77 | -- | -- |
|      |       | 1    | #Mid | 19.45 | 19.51 | 19.30 | 19.60 | -- | -- |
|      |       | 1    | #Max | 19.51 | 19.55 | 19.50 | 19.74 | -- | -- |
|      |       | 50%  | #0   | 19.43 | 19.50 | 19.52 | 19.67 | -- | -- |
|      |       | 50%  | #Mid | 19.51 | 19.54 | 19.52 | 19.70 | -- | -- |
|      |       | 50%  | #Max | 19.41 | 19.56 | 19.48 | 19.63 | -- | -- |
|      |       | 100% | --   | 19.37 | 19.53 | 19.41 | 19.65 | -- | -- |

| Channel | Modulation | LTE Band 7 |        |                                |    |       |       |       |       |
|---------|------------|------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB         | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.        | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1          | #0     | --                             | -- | 19.20 | 19.28 | 19.35 | 19.52 |
|         |            | 1          | #Mid   | --                             | -- | 19.29 | 19.37 | 19.25 | 19.49 |
|         |            | 1          | #Max   | --                             | -- | 19.28 | 19.33 | 19.30 | 19.47 |
|         |            | 50%        | #0     | --                             | -- | 19.36 | 19.24 | 19.32 | 19.47 |
|         |            | 50%        | #Mid   | --                             | -- | 19.32 | 19.30 | 19.34 | 19.43 |
|         |            | 50%        | #Max   | --                             | -- | 19.33 | 19.32 | 19.38 | 19.45 |
|         |            | 100%       | --     | --                             | -- | 19.34 | 19.30 | 19.34 | 19.45 |
|         | 16QAM      | 1          | #0     | --                             | -- | 19.14 | 19.24 | 19.28 | 19.37 |
|         |            | 1          | #Mid   | --                             | -- | 19.19 | 19.21 | 19.27 | 19.33 |
|         |            | 1          | #Max   | --                             | -- | 19.13 | 19.16 | 19.16 | 19.30 |
|         |            | 50%        | #0     | --                             | -- | 19.13 | 19.22 | 19.22 | 19.39 |
|         |            | 50%        | #Mid   | --                             | -- | 19.33 | 19.23 | 19.24 | 19.35 |
|         |            | 50%        | #Max   | --                             | -- | 19.22 | 19.21 | 19.31 | 19.33 |
|         |            | 100%       | --     | --                             | -- | 19.21 | 19.22 | 19.25 | 19.32 |
|         | 64QAM      | 1          | #0     | --                             | -- | 19.17 | 19.27 | 19.31 | 19.26 |
|         |            | 1          | #Mid   | --                             | -- | 19.11 | 19.24 | 19.34 | 19.20 |
|         |            | 1          | #Max   | --                             | -- | 19.23 | 19.19 | 19.24 | 19.30 |
|         |            | 50%        | #0     | --                             | -- | 19.17 | 19.22 | 19.28 | 19.35 |
|         |            | 50%        | #Mid   | --                             | -- | 19.21 | 19.21 | 19.24 | 19.26 |
|         |            | 50%        | #Max   | --                             | -- | 19.26 | 19.30 | 19.31 | 19.33 |
|         |            | 100%       | --     | --                             | -- | 19.20 | 19.21 | 19.24 | 19.28 |
| Mid     | QPSK       | 1          | #0     | --                             | -- | 19.21 | 19.38 | 19.49 | 19.61 |
|         |            | 1          | #Mid   | --                             | -- | 19.26 | 19.30 | 19.39 | 19.55 |
|         |            | 1          | #Max   | --                             | -- | 19.31 | 19.32 | 19.35 | 19.56 |
|         |            | 50%        | #0     | --                             | -- | 19.36 | 19.29 | 19.31 | 19.56 |
|         |            | 50%        | #Mid   | --                             | -- | 19.36 | 19.33 | 19.32 | 19.55 |
|         |            | 50%        | #Max   | --                             | -- | 19.32 | 19.29 | 19.39 | 19.51 |
|         |            | 100%       | --     | --                             | -- | 19.28 | 19.35 | 19.35 | 19.54 |
|         | 16QAM      | 1          | #0     | --                             | -- | 19.34 | 19.39 | 19.33 | 19.50 |
|         |            | 1          | #Mid   | --                             | -- | 19.30 | 19.35 | 19.31 | 19.41 |
|         |            | 1          | #Max   | --                             | -- | 19.17 | 19.25 | 19.24 | 19.37 |
|         |            | 50%        | #0     | --                             | -- | 19.14 | 19.23 | 19.31 | 19.47 |
|         |            | 50%        | #Mid   | --                             | -- | 19.30 | 19.24 | 19.34 | 19.48 |
|         |            | 50%        | #Max   | --                             | -- | 19.29 | 19.19 | 19.24 | 19.45 |
|         |            | 100%       | --     | --                             | -- | 19.22 | 19.25 | 19.29 | 19.46 |
|         | 64QAM      | 1          | #0     | --                             | -- | 19.19 | 19.27 | 19.17 | 19.47 |
|         |            | 1          | #Mid   | --                             | -- | 19.41 | 19.40 | 19.37 | 19.46 |
|         |            | 1          | #Max   | --                             | -- | 19.19 | 19.13 | 19.16 | 19.32 |
|         |            | 50%        | #0     | --                             | -- | 19.22 | 19.19 | 19.14 | 19.41 |
|         |            | 50%        | #Mid   | --                             | -- | 19.21 | 19.30 | 19.20 | 19.44 |
|         |            | 50%        | #Max   | --                             | -- | 19.35 | 19.31 | 19.36 | 19.45 |
|         |            | 100%       | --     | --                             | -- | 19.33 | 19.28 | 19.38 | 19.41 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 19.19 | 19.17 | 19.32 | 19.61 |
|      |       | 1    | #Mid | -- | -- | 19.23 | 19.24 | 19.24 | 19.51 |
|      |       | 1    | #Max | -- | -- | 19.32 | 19.28 | 19.28 | 19.55 |
|      |       | 50%  | #0   | -- | -- | 19.23 | 19.26 | 19.23 | 19.52 |
|      |       | 50%  | #Mid | -- | -- | 19.40 | 19.38 | 19.24 | 19.45 |
|      |       | 50%  | #Max | -- | -- | 19.34 | 19.37 | 19.14 | 19.41 |
|      |       | 100% | --   | -- | -- | 19.30 | 19.31 | 19.34 | 19.50 |
|      | 16QAM | 1    | #0   | -- | -- | 19.36 | 19.31 | 19.32 | 19.39 |
|      |       | 1    | #Mid | -- | -- | 19.24 | 19.33 | 19.26 | 19.33 |
|      |       | 1    | #Max | -- | -- | 19.15 | 19.09 | 19.18 | 19.37 |
|      |       | 50%  | #0   | -- | -- | 19.03 | 19.14 | 19.13 | 19.39 |
|      |       | 50%  | #Mid | -- | -- | 19.16 | 19.17 | 19.14 | 19.45 |
|      |       | 50%  | #Max | -- | -- | 19.32 | 19.24 | 19.34 | 19.43 |
|      |       | 100% | --   | -- | -- | 19.28 | 19.25 | 19.34 | 19.43 |
|      | 64QAM | 1    | #0   | -- | -- | 19.22 | 19.36 | 19.30 | 19.37 |
|      |       | 1    | #Mid | -- | -- | 19.19 | 19.05 | 19.15 | 19.34 |
|      |       | 1    | #Max | -- | -- | 19.29 | 19.30 | 19.22 | 19.31 |
|      |       | 50%  | #0   | -- | -- | 19.31 | 19.32 | 19.36 | 19.37 |
|      |       | 50%  | #Mid | -- | -- | 19.32 | 19.25 | 19.35 | 19.36 |
|      |       | 50%  | #Max | -- | -- | 19.34 | 19.30 | 19.37 | 19.38 |
|      |       | 100% | --   | -- | -- | 19.18 | 19.24 | 19.24 | 19.35 |

| Channel | Modulation | LTE Band 12 |        |                                |       |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | 20.00                          | 20.35 | 20.14 | 20.41 | --  | --  |
|         |            | 1           | #Mid   | 20.19                          | 20.34 | 20.11 | 20.38 | --  | --  |
|         |            | 1           | #Max   | 20.03                          | 20.31 | 20.11 | 20.35 | --  | --  |
|         |            | 50%         | #0     | 20.08                          | 20.22 | 20.01 | 20.27 | --  | --  |
|         |            | 50%         | #Mid   | 20.11                          | 20.21 | 20.17 | 20.24 | --  | --  |
|         |            | 50%         | #Max   | 20.01                          | 20.17 | 20.10 | 20.20 | --  | --  |
|         |            | 100%        | --     | 20.02                          | 20.14 | 19.97 | 20.17 | --  | --  |
|         | 16QAM      | 1           | #0     | 20.20                          | 19.96 | 20.12 | 20.28 | --  | --  |
|         |            | 1           | #Mid   | 20.05                          | 19.84 | 20.03 | 20.21 | --  | --  |
|         |            | 1           | #Max   | 19.91                          | 19.99 | 20.19 | 20.25 | --  | --  |
|         |            | 50%         | #0     | 20.05                          | 19.94 | 20.07 | 20.17 | --  | --  |
|         |            | 50%         | #Mid   | 19.98                          | 20.09 | 20.20 | 20.21 | --  | --  |
|         |            | 50%         | #Max   | 19.97                          | 19.96 | 20.15 | 20.20 | --  | --  |
|         |            | 100%        | --     | 20.06                          | 19.86 | 20.06 | 20.14 | --  | --  |
|         | 64QAM      | 1           | #0     | 19.87                          | 19.89 | 20.12 | 20.20 | --  | --  |
|         |            | 1           | #Mid   | 20.04                          | 19.83 | 20.02 | 20.21 | --  | --  |
|         |            | 1           | #Max   | 20.01                          | 20.07 | 20.18 | 20.30 | --  | --  |
|         |            | 50%         | #0     | 19.97                          | 19.82 | 20.07 | 20.11 | --  | --  |
|         |            | 50%         | #Mid   | 20.07                          | 20.06 | 20.11 | 20.20 | --  | --  |
|         |            | 50%         | #Max   | 20.05                          | 19.95 | 20.11 | 20.16 | --  | --  |
|         |            | 100%        | --     | 20.08                          | 19.88 | 20.00 | 20.17 | --  | --  |
| Mid     | QPSK       | 1           | #0     | 19.92                          | 20.26 | 20.30 | 20.43 | --  | --  |
|         |            | 1           | #Mid   | 20.01                          | 20.30 | 20.25 | 20.38 | --  | --  |
|         |            | 1           | #Max   | 19.94                          | 20.11 | 20.20 | 20.36 | --  | --  |
|         |            | 50%         | #0     | 19.99                          | 20.26 | 20.18 | 20.28 | --  | --  |
|         |            | 50%         | #Mid   | 20.07                          | 20.24 | 20.07 | 20.25 | --  | --  |
|         |            | 50%         | #Max   | 19.97                          | 20.16 | 20.02 | 20.20 | --  | --  |
|         |            | 100%        | --     | 20.02                          | 20.13 | 20.02 | 20.19 | --  | --  |
|         | 16QAM      | 1           | #0     | 19.90                          | 20.07 | 19.98 | 20.29 | --  | --  |
|         |            | 1           | #Mid   | 20.10                          | 20.08 | 19.99 | 20.28 | --  | --  |
|         |            | 1           | #Max   | 20.11                          | 20.18 | 19.99 | 20.28 | --  | --  |
|         |            | 50%         | #0     | 20.08                          | 20.18 | 19.87 | 20.26 | --  | --  |
|         |            | 50%         | #Mid   | 19.92                          | 20.16 | 20.04 | 20.24 | --  | --  |
|         |            | 50%         | #Max   | 19.85                          | 20.04 | 19.94 | 20.22 | --  | --  |
|         |            | 100%        | --     | 20.03                          | 20.11 | 19.84 | 20.19 | --  | --  |
|         | 64QAM      | 1           | #0     | 20.09                          | 20.04 | 19.93 | 20.27 | --  | --  |
|         |            | 1           | #Mid   | 20.12                          | 20.05 | 19.97 | 20.26 | --  | --  |
|         |            | 1           | #Max   | 20.11                          | 20.17 | 19.94 | 20.30 | --  | --  |
|         |            | 50%         | #0     | 19.82                          | 20.15 | 19.79 | 20.24 | --  | --  |
|         |            | 50%         | #Mid   | 19.97                          | 20.08 | 19.88 | 20.21 | --  | --  |
|         |            | 50%         | #Max   | 19.93                          | 20.01 | 19.86 | 20.26 | --  | --  |
|         |            | 100%        | --     | 20.03                          | 20.02 | 19.80 | 20.18 | --  | --  |

|      |       |      |      |       |       |       |       |    |    |
|------|-------|------|------|-------|-------|-------|-------|----|----|
| High | QPSK  | 1    | #0   | 19.95 | 20.13 | 20.23 | 20.43 | -- | -- |
|      |       | 1    | #Mid | 19.97 | 20.08 | 20.24 | 20.37 | -- | -- |
|      |       | 1    | #Max | 19.91 | 20.12 | 20.22 | 20.36 | -- | -- |
|      |       | 50%  | #0   | 20.00 | 20.07 | 20.25 | 20.24 | -- | -- |
|      |       | 50%  | #Mid | 20.06 | 20.03 | 20.21 | 20.17 | -- | -- |
|      |       | 50%  | #Max | 19.98 | 20.05 | 20.15 | 20.19 | -- | -- |
|      |       | 100% | --   | 20.07 | 19.99 | 20.14 | 20.16 | -- | -- |
|      | 16QAM | 1    | #0   | 20.09 | 20.13 | 19.95 | 20.25 | -- | -- |
|      |       | 1    | #Mid | 20.12 | 19.98 | 19.97 | 20.18 | -- | -- |
|      |       | 1    | #Max | 20.16 | 20.08 | 19.93 | 20.20 | -- | -- |
|      |       | 50%  | #0   | 19.86 | 20.09 | 19.75 | 20.07 | -- | -- |
|      |       | 50%  | #Mid | 19.93 | 19.99 | 19.82 | 20.15 | -- | -- |
|      |       | 50%  | #Max | 19.81 | 19.89 | 19.78 | 20.19 | -- | -- |
|      |       | 100% | --   | 19.98 | 19.97 | 19.80 | 20.11 | -- | -- |
|      | 64QAM | 1    | #0   | 19.97 | 20.07 | 19.91 | 20.10 | -- | -- |
|      |       | 1    | #Mid | 19.90 | 19.93 | 19.90 | 20.13 | -- | -- |
|      |       | 1    | #Max | 19.79 | 19.98 | 19.90 | 20.17 | -- | -- |
|      |       | 50%  | #0   | 19.95 | 20.03 | 19.65 | 20.09 | -- | -- |
|      |       | 50%  | #Mid | 20.02 | 19.93 | 19.87 | 20.09 | -- | -- |
|      |       | 50%  | #Max | 19.97 | 19.86 | 19.86 | 20.11 | -- | -- |
|      |       | 100% | --   | 19.84 | 19.96 | 19.73 | 20.02 | -- | -- |

| Channel | Modulation | LTE Band 13 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 19.83 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 20.02 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.91 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 20.04 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.10 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.94 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.99 | --    | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.96 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.85 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.75 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.92 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.99 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.74 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.87 | --    | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.80 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.74 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.74 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.79 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.85 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.86 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.76 | --    | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 20.08 | 20.21 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 20.04 | 20.20 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 20.04 | 20.17 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.96 | 20.16 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 20.04 | 20.13 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.94 | 20.13 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.96 | 20.14 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.92 | 20.07 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.80 | 20.00 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.83 | 20.03 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.92 | 19.94 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.91 | 20.05 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.98 | 20.00 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.73 | 19.98 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.87 | 19.96 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.88 | 19.96 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.86 | 19.91 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.76 | 19.98 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.91 | 20.03 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.77 | 19.96 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.62 | 19.95 | --  | --  |

|      |       |      |      |    |    |       |    |    |    |
|------|-------|------|------|----|----|-------|----|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 19.93 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.83 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.94 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.91 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.94 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.91 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.93 | -- | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 19.84 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.76 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.77 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.79 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.81 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.82 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.68 | -- | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 19.84 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.81 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.53 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.79 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.69 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.77 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.68 | -- | -- | -- |

| Channel | Modulation | LTE Band 14 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 19.56 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.69 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.59 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.58 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.55 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.54 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.68 | --    | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.65 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.60 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.62 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.51 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.68 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.57 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.51 | --    | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.60 | --    | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.60 | --    | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.58 | --    | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.57 | --    | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.47 | --    | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.51 | --    | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.54 | --    | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 19.71 | 19.83 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.61 | 19.82 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.77 | 19.78 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.70 | 19.77 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.70 | 19.73 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.65 | 19.73 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.66 | 19.82 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.68 | 19.75 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.66 | 19.71 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.58 | 19.64 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.61 | 19.65 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.62 | 19.68 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.57 | 19.63 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.61 | 19.67 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.55 | 19.66 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.50 | 19.61 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.62 | 19.64 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.49 | 19.58 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.47 | 19.54 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.50 | 19.51 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.49 | 19.59 | --  | --  |

|      |       |      |      |    |    |       |    |    |    |
|------|-------|------|------|----|----|-------|----|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 19.46 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.37 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.51 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.39 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.36 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.43 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.39 | -- | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 19.63 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.61 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.60 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.51 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.48 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.50 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.58 | -- | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 19.56 | -- | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.53 | -- | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.56 | -- | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.53 | -- | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.51 | -- | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.49 | -- | -- | -- |
|      |       | 100% | --   | -- | -- | 19.41 | -- | -- | -- |

| Channel | Modulation | LTE Band 17 |        |                                |    |       |       |     |     |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-----|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |     |     |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M | 20M |
| Low     | QPSK       | 1           | #0     | --                             | -- | 19.90 | 19.99 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.88 | 20.00 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.78 | 20.01 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.89 | 19.87 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.83 | 19.94 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.78 | 19.83 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.75 | 19.82 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.68 | 19.84 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.54 | 19.82 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.49 | 19.81 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.61 | 19.80 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.58 | 19.75 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.52 | 19.66 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.50 | 19.72 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.72 | 19.80 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.64 | 19.82 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.58 | 19.84 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.45 | 19.81 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.43 | 19.46 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.42 | 19.77 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.29 | 19.60 | --  | --  |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 19.89 | 19.91 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.95 | 20.00 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.93 | 19.93 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.89 | 19.97 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.77 | 20.00 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.82 | 19.91 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.81 | 19.97 | --  | --  |
|         | 16QAM      | 1           | #0     | --                             | -- | 19.75 | 19.89 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.62 | 19.92 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.74 | 19.95 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.75 | 19.85 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.74 | 19.90 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.65 | 19.67 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.64 | 19.81 | --  | --  |
|         | 64QAM      | 1           | #0     | --                             | -- | 19.65 | 19.84 | --  | --  |
|         |            | 1           | #Mid   | --                             | -- | 19.63 | 19.88 | --  | --  |
|         |            | 1           | #Max   | --                             | -- | 19.57 | 19.87 | --  | --  |
|         |            | 50%         | #0     | --                             | -- | 19.49 | 19.66 | --  | --  |
|         |            | 50%         | #Mid   | --                             | -- | 19.48 | 19.85 | --  | --  |
|         |            | 50%         | #Max   | --                             | -- | 19.43 | 19.78 | --  | --  |
|         |            | 100%        | --     | --                             | -- | 19.39 | 19.70 | --  | --  |

|      |       |      |      |    |    |       |       |    |    |
|------|-------|------|------|----|----|-------|-------|----|----|
| High | QPSK  | 1    | #0   | -- | -- | 19.59 | 19.91 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.49 | 19.84 | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.43 | 19.84 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.48 | 19.88 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.32 | 19.82 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.45 | 19.81 | -- | -- |
|      |       | 100% | --   | -- | -- | 19.17 | 19.75 | -- | -- |
|      | 16QAM | 1    | #0   | -- | -- | 19.63 | 19.66 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.59 | 19.63 | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.60 | 19.62 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.45 | 19.61 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.48 | 19.51 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.43 | 19.49 | -- | -- |
|      |       | 100% | --   | -- | -- | 19.47 | 19.49 | -- | -- |
|      | 64QAM | 1    | #0   | -- | -- | 19.45 | 19.68 | -- | -- |
|      |       | 1    | #Mid | -- | -- | 19.42 | 19.65 | -- | -- |
|      |       | 1    | #Max | -- | -- | 19.38 | 19.54 | -- | -- |
|      |       | 50%  | #0   | -- | -- | 19.32 | 19.36 | -- | -- |
|      |       | 50%  | #Mid | -- | -- | 19.35 | 19.59 | -- | -- |
|      |       | 50%  | #Max | -- | -- | 19.33 | 19.46 | -- | -- |
|      |       | 100% | --   | -- | -- | 19.27 | 19.49 | -- | -- |

| Channel | Modulation | LTE Band 25 |        |                                |       |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | 18.98                          | 19.15 | 18.95 | 19.07 | 18.93 | 19.36 |
|         |            | 1           | #Mid   | 18.96                          | 19.13 | 18.91 | 19.08 | 18.93 | 19.32 |
|         |            | 1           | #Max   | 19.05                          | 19.06 | 18.82 | 19.03 | 18.75 | 19.27 |
|         |            | 50%         | #0     | 18.97                          | 19.14 | 18.89 | 19.03 | 18.94 | 19.29 |
|         |            | 50%         | #Mid   | 19.10                          | 19.07 | 18.94 | 19.08 | 18.95 | 19.23 |
|         |            | 50%         | #Max   | 18.97                          | 19.04 | 18.93 | 18.97 | 18.91 | 19.23 |
|         |            | 100%        | --     | 19.00                          | 19.06 | 18.91 | 19.03 | 18.82 | 19.16 |
|         | 16QAM      | 1           | #0     | 18.98                          | 18.93 | 19.02 | 19.02 | 18.99 | 19.19 |
|         |            | 1           | #Mid   | 18.97                          | 18.82 | 18.95 | 18.98 | 19.04 | 19.12 |
|         |            | 1           | #Max   | 18.72                          | 18.82 | 19.01 | 18.93 | 19.01 | 19.11 |
|         |            | 50%         | #0     | 18.90                          | 18.82 | 18.96 | 18.93 | 19.03 | 19.12 |
|         |            | 50%         | #Mid   | 18.98                          | 18.87 | 18.94 | 18.96 | 19.07 | 19.14 |
|         |            | 50%         | #Max   | 18.81                          | 18.78 | 18.95 | 18.92 | 18.96 | 19.01 |
|         |            | 100%        | --     | 18.93                          | 18.75 | 18.88 | 18.94 | 19.01 | 19.06 |
|         | 64QAM      | 1           | #0     | 18.88                          | 18.88 | 18.97 | 18.96 | 18.98 | 19.15 |
|         |            | 1           | #Mid   | 18.74                          | 18.92 | 18.84 | 18.96 | 19.03 | 19.16 |
|         |            | 1           | #Max   | 18.67                          | 18.88 | 18.82 | 18.91 | 19.01 | 19.09 |
|         |            | 50%         | #0     | 18.97                          | 18.90 | 18.90 | 18.95 | 18.99 | 19.01 |
|         |            | 50%         | #Mid   | 18.98                          | 18.86 | 18.75 | 18.94 | 18.91 | 19.07 |
|         |            | 50%         | #Max   | 18.75                          | 18.79 | 18.99 | 18.88 | 18.89 | 19.08 |
|         |            | 100%        | --     | 18.81                          | 18.86 | 18.89 | 18.96 | 19.00 | 19.03 |
| Mid     | QPSK       | 1           | #0     | 18.89                          | 18.97 | 19.17 | 18.98 | 19.02 | 19.46 |
|         |            | 1           | #Mid   | 19.04                          | 18.85 | 19.02 | 18.95 | 18.97 | 19.43 |
|         |            | 1           | #Max   | 18.91                          | 18.81 | 19.01 | 18.89 | 18.97 | 19.38 |
|         |            | 50%         | #0     | 18.99                          | 18.97 | 19.13 | 18.95 | 18.92 | 19.40 |
|         |            | 50%         | #Mid   | 18.99                          | 19.05 | 19.18 | 19.04 | 18.98 | 19.26 |
|         |            | 50%         | #Max   | 18.96                          | 18.97 | 19.16 | 18.88 | 19.00 | 19.24 |
|         |            | 100%        | --     | 19.06                          | 18.87 | 19.07 | 19.03 | 19.02 | 19.25 |
|         | 16QAM      | 1           | #0     | 18.88                          | 18.92 | 18.97 | 18.94 | 18.94 | 19.21 |
|         |            | 1           | #Mid   | 18.77                          | 18.74 | 18.94 | 18.91 | 18.95 | 19.18 |
|         |            | 1           | #Max   | 19.10                          | 18.88 | 18.90 | 18.82 | 18.85 | 19.13 |
|         |            | 50%         | #0     | 18.74                          | 18.83 | 18.86 | 18.85 | 18.84 | 19.12 |
|         |            | 50%         | #Mid   | 18.72                          | 18.90 | 18.96 | 18.94 | 18.94 | 19.15 |
|         |            | 50%         | #Max   | 18.75                          | 18.87 | 18.96 | 18.81 | 18.88 | 19.17 |
|         |            | 100%        | --     | 18.69                          | 18.64 | 18.84 | 18.93 | 18.92 | 19.06 |
|         | 64QAM      | 1           | #0     | 18.76                          | 18.94 | 18.95 | 18.99 | 18.96 | 19.29 |
|         |            | 1           | #Mid   | 18.92                          | 18.82 | 18.92 | 18.93 | 18.96 | 19.17 |
|         |            | 1           | #Max   | 18.66                          | 18.77 | 18.84 | 18.92 | 18.95 | 19.17 |
|         |            | 50%         | #0     | 18.80                          | 18.89 | 18.99 | 18.84 | 18.98 | 19.07 |
|         |            | 50%         | #Mid   | 18.82                          | 18.98 | 18.97 | 19.01 | 19.04 | 19.12 |
|         |            | 50%         | #Max   | 18.81                          | 18.92 | 18.87 | 18.79 | 18.99 | 19.17 |
|         |            | 100%        | --     | 18.80                          | 18.87 | 18.91 | 18.98 | 18.88 | 19.09 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 18.93 | 19.03 | 19.12 | 19.06 | 18.86 | 19.42 |
|      |       | 1    | #Mid | 18.96 | 18.90 | 19.01 | 18.97 | 18.89 | 19.37 |
|      |       | 1    | #Max | 18.80 | 18.81 | 18.99 | 18.95 | 18.96 | 19.33 |
|      |       | 50%  | #0   | 19.00 | 18.98 | 19.07 | 19.05 | 18.90 | 19.32 |
|      |       | 50%  | #Mid | 19.01 | 18.88 | 18.96 | 19.02 | 18.98 | 19.24 |
|      |       | 50%  | #Max | 18.85 | 19.02 | 18.91 | 18.95 | 18.98 | 19.21 |
|      |       | 100% | --   | 18.97 | 19.05 | 18.89 | 19.02 | 18.97 | 19.14 |
|      | 16QAM | 1    | #0   | 18.94 | 18.98 | 18.94 | 18.97 | 19.06 | 19.01 |
|      |       | 1    | #Mid | 18.93 | 18.88 | 18.92 | 18.96 | 19.00 | 19.09 |
|      |       | 1    | #Max | 18.72 | 18.86 | 18.85 | 18.86 | 18.96 | 18.95 |
|      |       | 50%  | #0   | 18.64 | 18.97 | 18.94 | 18.98 | 18.84 | 19.03 |
|      |       | 50%  | #Mid | 18.54 | 18.83 | 18.94 | 18.92 | 18.81 | 18.95 |
|      |       | 50%  | #Max | 18.74 | 18.76 | 18.99 | 18.88 | 18.87 | 19.03 |
|      |       | 100% | --   | 18.83 | 18.73 | 18.99 | 18.87 | 18.88 | 18.90 |
|      | 64QAM | 1    | #0   | 18.78 | 18.84 | 18.96 | 18.97 | 19.03 | 19.11 |
|      |       | 1    | #Mid | 18.75 | 18.83 | 18.93 | 18.72 | 18.97 | 19.02 |
|      |       | 1    | #Max | 18.99 | 18.78 | 18.91 | 18.77 | 18.94 | 19.06 |
|      |       | 50%  | #0   | 18.63 | 18.73 | 18.87 | 18.97 | 18.79 | 19.01 |
|      |       | 50%  | #Mid | 18.72 | 18.73 | 18.86 | 18.84 | 18.86 | 19.07 |
|      |       | 50%  | #Max | 18.75 | 18.66 | 18.84 | 18.85 | 18.96 | 19.13 |
|      |       | 100% | --   | 18.60 | 18.81 | 18.91 | 18.94 | 18.96 | 19.07 |

| Channel | Modulation | LTE Band 26 |        |                                |       |       |       |       |     |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-----|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |     |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M |
| Low     | QPSK       | 1           | #0     | 19.89                          | 19.88 | 20.07 | 20.05 | 20.33 | --  |
|         |            | 1           | #Mid   | 19.83                          | 19.96 | 20.01 | 19.98 | 20.27 | --  |
|         |            | 1           | #Max   | 19.79                          | 19.92 | 19.87 | 19.94 | 20.23 | --  |
|         |            | 50%         | #0     | 19.84                          | 19.92 | 20.03 | 20.18 | 20.29 | --  |
|         |            | 50%         | #Mid   | 19.86                          | 19.94 | 20.00 | 20.16 | 20.27 | --  |
|         |            | 50%         | #Max   | 19.84                          | 19.93 | 19.99 | 20.13 | 20.22 | --  |
|         |            | 100%        | --     | 19.80                          | 19.94 | 19.97 | 20.11 | 20.12 | --  |
|         | 16QAM      | 1           | #0     | 19.80                          | 19.69 | 19.78 | 19.80 | 19.82 | --  |
|         |            | 1           | #Mid   | 19.77                          | 19.66 | 19.67 | 19.79 | 19.81 | --  |
|         |            | 1           | #Max   | 19.62                          | 19.67 | 19.68 | 19.71 | 19.77 | --  |
|         |            | 50%         | #0     | 19.74                          | 19.66 | 19.67 | 19.71 | 19.79 | --  |
|         |            | 50%         | #Mid   | 19.76                          | 19.56 | 19.65 | 19.70 | 19.80 | --  |
|         |            | 50%         | #Max   | 19.74                          | 19.57 | 19.66 | 19.74 | 19.75 | --  |
|         |            | 100%        | --     | 19.69                          | 19.61 | 19.70 | 19.61 | 19.74 | --  |
|         | 64QAM      | 1           | #0     | 19.60                          | 19.68 | 19.81 | 19.76 | 19.82 | --  |
|         |            | 1           | #Mid   | 19.58                          | 19.61 | 19.65 | 19.71 | 19.84 | --  |
|         |            | 1           | #Max   | 19.45                          | 19.62 | 19.72 | 19.64 | 19.75 | --  |
|         |            | 50%         | #0     | 19.67                          | 19.63 | 19.65 | 19.71 | 19.84 | --  |
|         |            | 50%         | #Mid   | 19.74                          | 19.65 | 19.75 | 19.74 | 19.76 | --  |
|         |            | 50%         | #Max   | 19.70                          | 19.56 | 19.80 | 19.71 | 19.80 | --  |
|         |            | 100%        | --     | 19.64                          | 19.60 | 19.67 | 19.58 | 19.76 | --  |
| Mid     | QPSK       | 1           | #0     | 19.93                          | 19.97 | 20.16 | 20.21 | 20.39 | --  |
|         |            | 1           | #Mid   | 19.92                          | 19.40 | 20.11 | 20.20 | 20.37 | --  |
|         |            | 1           | #Max   | 19.85                          | 19.78 | 19.95 | 20.00 | 20.34 | --  |
|         |            | 50%         | #0     | 19.70                          | 19.96 | 20.10 | 19.91 | 20.38 | --  |
|         |            | 50%         | #Mid   | 19.67                          | 19.92 | 20.08 | 19.88 | 20.31 | --  |
|         |            | 50%         | #Max   | 19.66                          | 19.88 | 20.04 | 19.86 | 20.28 | --  |
|         |            | 100%        | --     | 19.72                          | 19.84 | 20.13 | 19.81 | 20.31 | --  |
|         | 16QAM      | 1           | #0     | 19.77                          | 19.72 | 19.73 | 19.74 | 19.96 | --  |
|         |            | 1           | #Mid   | 19.66                          | 19.66 | 19.61 | 19.64 | 19.94 | --  |
|         |            | 1           | #Max   | 19.75                          | 19.69 | 19.55 | 19.60 | 19.89 | --  |
|         |            | 50%         | #0     | 19.60                          | 19.57 | 19.69 | 19.75 | 19.97 | --  |
|         |            | 50%         | #Mid   | 19.57                          | 19.74 | 19.66 | 19.66 | 19.96 | --  |
|         |            | 50%         | #Max   | 19.51                          | 19.66 | 19.72 | 19.73 | 19.95 | --  |
|         |            | 100%        | --     | 19.59                          | 19.62 | 19.57 | 19.63 | 19.88 | --  |
|         | 64QAM      | 1           | #0     | 19.61                          | 19.79 | 19.67 | 19.77 | 19.96 | --  |
|         |            | 1           | #Mid   | 19.58                          | 19.73 | 19.57 | 19.72 | 19.93 | --  |
|         |            | 1           | #Max   | 19.52                          | 19.67 | 19.46 | 19.67 | 19.92 | --  |
|         |            | 50%         | #0     | 19.49                          | 19.76 | 19.66 | 19.73 | 19.88 | --  |
|         |            | 50%         | #Mid   | 19.34                          | 19.74 | 19.59 | 19.71 | 19.85 | --  |
|         |            | 50%         | #Max   | 19.39                          | 19.72 | 19.65 | 19.70 | 19.83 | --  |
|         |            | 100%        | --     | 19.43                          | 19.63 | 19.52 | 19.66 | 19.96 | --  |

|      |       |      |      |       |       |       |       |       |    |
|------|-------|------|------|-------|-------|-------|-------|-------|----|
| High | QPSK  | 1    | #0   | 19.73 | 19.86 | 20.14 | 20.06 | 20.38 | -- |
|      |       | 1    | #Mid | 19.85 | 19.68 | 20.04 | 20.10 | 20.36 | -- |
|      |       | 1    | #Max | 19.74 | 19.82 | 20.07 | 20.02 | 20.34 | -- |
|      |       | 50%  | #0   | 19.77 | 19.84 | 20.09 | 20.05 | 20.36 | -- |
|      |       | 50%  | #Mid | 19.78 | 19.76 | 20.14 | 20.02 | 20.27 | -- |
|      |       | 50%  | #Max | 19.77 | 19.73 | 20.11 | 20.13 | 20.25 | -- |
|      |       | 100% | --   | 19.79 | 19.72 | 20.12 | 20.02 | 20.18 | -- |
|      | 16QAM | 1    | #0   | 19.72 | 19.86 | 19.79 | 19.85 | 19.93 | -- |
|      |       | 1    | #Mid | 19.51 | 19.77 | 19.74 | 19.75 | 19.90 | -- |
|      |       | 1    | #Max | 19.68 | 19.85 | 19.51 | 19.69 | 19.88 | -- |
|      |       | 50%  | #0   | 19.67 | 19.79 | 19.72 | 19.83 | 19.88 | -- |
|      |       | 50%  | #Mid | 19.63 | 19.79 | 19.72 | 19.77 | 19.96 | -- |
|      |       | 50%  | #Max | 19.61 | 19.77 | 19.64 | 19.84 | 19.89 | -- |
|      |       | 100% | --   | 19.53 | 19.82 | 19.51 | 19.62 | 19.85 | -- |
|      | 64QAM | 1    | #0   | 19.66 | 19.84 | 19.67 | 19.88 | 19.94 | -- |
|      |       | 1    | #Mid | 19.49 | 19.81 | 19.59 | 19.83 | 19.90 | -- |
|      |       | 1    | #Max | 19.63 | 19.81 | 19.50 | 19.80 | 19.87 | -- |
|      |       | 50%  | #0   | 19.60 | 19.79 | 19.68 | 19.79 | 19.81 | -- |
|      |       | 50%  | #Mid | 19.58 | 19.83 | 19.66 | 19.84 | 19.85 | -- |
|      |       | 50%  | #Max | 19.55 | 19.70 | 19.72 | 19.77 | 19.81 | -- |
|      |       | 100% | --   | 19.46 | 19.78 | 19.43 | 19.71 | 19.80 | -- |

| Channel | Modulation | LTE Band 41 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | -                              | -  | 21.32 | 21.38 | 21.43 | 21.58 |
|         |            | 1           | #Mid   | -                              | -  | 21.14 | 21.32 | 21.42 | 21.55 |
|         |            | 1           | #Max   | -                              | -  | 21.28 | 21.40 | 21.41 | 21.53 |
|         |            | 50%         | #0     | -                              | -  | 21.22 | 21.22 | 21.35 | 21.45 |
|         |            | 50%         | #Mid   | -                              | -  | 21.04 | 21.21 | 21.33 | 21.43 |
|         |            | 50%         | #Max   | -                              | -  | 21.06 | 21.12 | 21.28 | 21.39 |
|         |            | 100%        | --     | -                              | -  | 21.17 | 21.19 | 21.25 | 21.40 |
|         | 16QAM      | 1           | #0     | -                              | -  | 21.23 | 21.25 | 21.23 | 21.38 |
|         |            | 1           | #Mid   | -                              | -  | 21.13 | 21.24 | 21.15 | 21.34 |
|         |            | 1           | #Max   | -                              | -  | 20.97 | 21.15 | 21.21 | 21.34 |
|         |            | 50%         | #0     | -                              | -  | 21.16 | 21.17 | 21.19 | 21.30 |
|         |            | 50%         | #Mid   | -                              | -  | 21.14 | 21.15 | 21.16 | 21.28 |
|         |            | 50%         | #Max   | -                              | -  | 21.03 | 21.04 | 21.05 | 21.21 |
|         |            | 100%        | --     | -                              | -  | 21.07 | 21.10 | 21.02 | 21.16 |
|         | 64QAM      | 1           | #0     | -                              | -  | 21.21 | 21.19 | 21.32 | 21.36 |
|         |            | 1           | #Mid   | -                              | -  | 21.15 | 21.11 | 21.29 | 21.34 |
|         |            | 1           | #Max   | -                              | -  | 21.12 | 21.02 | 21.25 | 21.27 |
|         |            | 50%         | #0     | -                              | -  | 21.09 | 21.09 | 21.19 | 21.22 |
|         |            | 50%         | #Mid   | -                              | -  | 21.02 | 20.98 | 21.14 | 21.24 |
|         |            | 50%         | #Max   | -                              | -  | 20.97 | 20.97 | 21.17 | 21.23 |
|         |            | 100%        | --     | -                              | -  | 21.02 | 20.98 | 21.16 | 21.18 |
| Low-Mid | QPSK       | 1           | #0     | -                              | -  | 21.32 | 21.34 | 21.42 | 21.64 |
|         |            | 1           | #Mid   | -                              | -  | 21.23 | 21.39 | 21.41 | 21.61 |
|         |            | 1           | #Max   | -                              | -  | 21.21 | 21.35 | 21.37 | 21.57 |
|         |            | 50%         | #0     | -                              | -  | 21.02 | 21.21 | 21.29 | 21.49 |
|         |            | 50%         | #Mid   | -                              | -  | 21.23 | 21.24 | 21.26 | 21.46 |
|         |            | 50%         | #Max   | -                              | -  | 21.18 | 21.20 | 21.23 | 21.43 |
|         |            | 100%        | --     | -                              | -  | 20.95 | 21.10 | 21.18 | 21.38 |
|         | 16QAM      | 1           | #0     | -                              | -  | 21.08 | 21.09 | 21.19 | 21.22 |
|         |            | 1           | #Mid   | -                              | -  | 20.94 | 21.05 | 21.13 | 21.19 |
|         |            | 1           | #Max   | -                              | -  | 20.87 | 21.02 | 21.05 | 21.21 |
|         |            | 50%         | #0     | -                              | -  | 20.90 | 21.05 | 21.01 | 21.19 |
|         |            | 50%         | #Mid   | -                              | -  | 21.01 | 21.02 | 21.11 | 21.12 |
|         |            | 50%         | #Max   | -                              | -  | 20.96 | 21.05 | 21.07 | 21.05 |
|         |            | 100%        | --     | -                              | -  | 20.75 | 20.91 | 20.95 | 21.06 |

|          |       |      |      |   |   |       |       |       |       |
|----------|-------|------|------|---|---|-------|-------|-------|-------|
|          | 64QAM | 1    | #0   | - | - | 20.96 | 21.02 | 21.06 | 21.15 |
|          |       | 1    | #Mid | - | - | 20.91 | 20.98 | 20.96 | 21.02 |
|          |       | 1    | #Max | - | - | 20.91 | 20.84 | 20.94 | 21.01 |
|          |       | 50%  | #0   | - | - | 20.92 | 20.95 | 20.92 | 20.99 |
|          |       | 50%  | #Mid | - | - | 21.03 | 21.09 | 21.04 | 21.09 |
|          |       | 50%  | #Max | - | - | 20.94 | 20.96 | 20.97 | 20.98 |
|          |       | 100% | --   | - | - | 20.60 | 20.55 | 20.67 | 20.76 |
| Mid      | QPSK  | 1    | #0   | - | - | 21.40 | 21.40 | 21.44 | 21.68 |
|          |       | 1    | #Mid | - | - | 21.36 | 21.33 | 21.34 | 21.63 |
|          |       | 1    | #Max | - | - | 21.14 | 21.19 | 21.24 | 21.57 |
|          |       | 50%  | #0   | - | - | 21.06 | 21.11 | 21.21 | 21.61 |
|          |       | 50%  | #Mid | - | - | 21.02 | 21.10 | 21.19 | 21.54 |
|          |       | 50%  | #Max | - | - | 20.98 | 20.97 | 21.05 | 21.53 |
|          |       | 100% | --   | - | - | 20.88 | 20.92 | 20.99 | 21.54 |
|          | 16QAM | 1    | #0   | - | - | 21.08 | 21.09 | 21.13 | 21.38 |
|          |       | 1    | #Mid | - | - | 21.04 | 21.02 | 21.11 | 21.34 |
|          |       | 1    | #Max | - | - | 21.16 | 21.07 | 21.10 | 21.34 |
|          |       | 50%  | #0   | - | - | 20.97 | 20.95 | 21.04 | 21.30 |
|          |       | 50%  | #Mid | - | - | 21.08 | 21.03 | 21.06 | 21.28 |
|          |       | 50%  | #Max | - | - | 20.95 | 20.97 | 21.04 | 21.21 |
|          |       | 100% | --   | - | - | 20.93 | 20.91 | 21.00 | 21.16 |
|          | 64QAM | 1    | #0   | - | - | 21.02 | 21.19 | 21.22 | 21.36 |
|          |       | 1    | #Mid | - | - | 20.98 | 21.13 | 21.21 | 21.34 |
|          |       | 1    | #Max | - | - | 20.79 | 20.97 | 21.03 | 21.27 |
|          |       | 50%  | #0   | - | - | 20.97 | 21.08 | 21.13 | 21.22 |
|          |       | 50%  | #Mid | - | - | 20.79 | 20.93 | 21.01 | 21.24 |
|          |       | 50%  | #Max | - | - | 20.76 | 20.90 | 20.95 | 21.23 |
|          |       | 100% | --   | - | - | 20.95 | 21.05 | 21.08 | 21.18 |
| High-Mid | QPSK  | 1    | #0   | - | - | 21.32 | 21.34 | 21.40 | 21.60 |
|          |       | 1    | #Mid | - | - | 21.26 | 21.28 | 21.37 | 21.55 |
|          |       | 1    | #Max | - | - | 21.25 | 21.25 | 21.29 | 21.53 |
|          |       | 50%  | #0   | - | - | 21.05 | 21.09 | 21.10 | 21.51 |
|          |       | 50%  | #Mid | - | - | 21.13 | 21.16 | 21.24 | 21.51 |
|          |       | 50%  | #Max | - | - | 20.91 | 20.94 | 21.01 | 21.48 |
|          |       | 100% | --   | - | - | 20.99 | 21.02 | 21.10 | 21.44 |
|          | 16QAM | 1    | #0   | - | - | 21.14 | 21.03 | 21.18 | 21.29 |
|          |       | 1    | #Mid | - | - | 20.94 | 20.97 | 21.12 | 21.28 |

|      |       |      |      |   |   |       |       |       |       |
|------|-------|------|------|---|---|-------|-------|-------|-------|
|      |       | 1    | #Max | - | - | 20.99 | 20.85 | 21.04 | 21.14 |
|      |       | 50%  | #0   | - | - | 20.91 | 20.85 | 21.03 | 21.21 |
|      |       | 50%  | #Mid | - | - | 20.83 | 20.71 | 20.87 | 20.97 |
|      |       | 50%  | #Max | - | - | 20.87 | 20.75 | 20.88 | 21.02 |
|      |       | 100% | --   | - | - | 20.80 | 20.79 | 20.89 | 21.08 |
|      | 64QAM | 1    | #0   | - | - | 21.05 | 21.14 | 21.02 | 21.30 |
|      |       | 1    | #Mid | - | - | 21.02 | 21.14 | 20.94 | 21.25 |
|      |       | 1    | #Max | - | - | 20.76 | 20.86 | 20.72 | 21.01 |
|      |       | 50%  | #0   | - | - | 20.81 | 21.01 | 20.81 | 21.20 |
|      |       | 50%  | #Mid | - | - | 20.64 | 20.82 | 20.56 | 20.84 |
|      |       | 50%  | #Max | - | - | 20.67 | 20.81 | 20.62 | 20.97 |
|      |       | 100% | --   | - | - | 20.77 | 20.97 | 20.73 | 20.98 |
| High | QPSK  | 1    | #0   | - | - | 21.29 | 21.32 | 21.43 | 21.65 |
|      |       | 1    | #Mid | - | - | 21.24 | 21.26 | 21.39 | 21.53 |
|      |       | 1    | #Max | - | - | 21.07 | 21.16 | 21.32 | 21.50 |
|      |       | 50%  | #0   | - | - | 21.18 | 21.10 | 21.20 | 21.51 |
|      |       | 50%  | #Mid | - | - | 21.00 | 21.08 | 21.19 | 21.48 |
|      |       | 50%  | #Max | - | - | 20.91 | 20.94 | 21.09 | 21.46 |
|      |       | 100% | --   | - | - | 20.88 | 20.91 | 21.09 | 21.52 |
|      | 16QAM | 1    | #0   | - | - | 21.17 | 21.17 | 21.15 | 21.30 |
|      |       | 1    | #Mid | - | - | 21.12 | 21.14 | 21.14 | 21.25 |
|      |       | 1    | #Max | - | - | 20.90 | 20.95 | 20.84 | 21.01 |
|      |       | 50%  | #0   | - | - | 21.11 | 21.13 | 21.05 | 21.20 |
|      |       | 50%  | #Mid | - | - | 20.79 | 20.82 | 20.74 | 20.84 |
|      |       | 50%  | #Max | - | - | 20.89 | 20.83 | 20.82 | 20.97 |
|      |       | 100% | --   | - | - | 20.87 | 20.93 | 20.81 | 20.98 |
|      | 64QAM | 1    | #0   | - | - | 21.08 | 21.16 | 21.21 | 21.31 |
|      |       | 1    | #Mid | - | - | 21.03 | 21.06 | 21.15 | 21.31 |
|      |       | 1    | #Max | - | - | 20.86 | 20.99 | 20.98 | 21.07 |
|      |       | 50%  | #0   | - | - | 20.94 | 20.89 | 21.10 | 21.18 |
|      |       | 50%  | #Mid | - | - | 20.64 | 20.77 | 20.78 | 20.96 |
|      |       | 50%  | #Max | - | - | 20.65 | 20.66 | 20.84 | 21.03 |
|      |       | 100% | --   | - | - | 20.80 | 20.90 | 20.96 | 21.11 |

| Channel | Modulation | LTE Band 41 HPUE |        |                                |    |       |       |       |       |
|---------|------------|------------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB               | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.              | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1                | #0     | -                              | -  | 21.32 | 21.36 | 21.51 | 21.61 |
|         |            | 1                | #Mid   | -                              | -  | 21.27 | 21.31 | 21.47 | 21.56 |
|         |            | 1                | #Max   | -                              | -  | 21.22 | 21.30 | 21.42 | 21.54 |
|         |            | 50%              | #0     | -                              | -  | 21.15 | 21.14 | 21.35 | 21.48 |
|         |            | 50%              | #Mid   | -                              | -  | 21.04 | 21.14 | 21.28 | 21.45 |
|         |            | 50%              | #Max   | -                              | -  | 21.06 | 21.11 | 21.31 | 21.44 |
|         |            | 100%             | --     | -                              | -  | 21.17 | 21.13 | 21.17 | 21.38 |
|         | 16QAM      | 1                | #0     | -                              | -  | 21.19 | 21.22 | 21.20 | 21.24 |
|         |            | 1                | #Mid   | -                              | -  | 21.12 | 21.05 | 21.18 | 21.15 |
|         |            | 1                | #Max   | -                              | -  | 20.95 | 21.14 | 21.16 | 21.18 |
|         |            | 50%              | #0     | -                              | -  | 21.10 | 20.98 | 21.13 | 21.07 |
|         |            | 50%              | #Mid   | -                              | -  | 21.04 | 21.01 | 20.97 | 21.07 |
|         |            | 50%              | #Max   | -                              | -  | 21.01 | 20.90 | 20.89 | 21.13 |
|         |            | 100%             | --     | -                              | -  | 21.01 | 21.05 | 21.03 | 21.08 |
|         | 64QAM      | 1                | #0     | -                              | -  | 21.15 | 21.15 | 21.00 | 21.22 |
|         |            | 1                | #Mid   | -                              | -  | 21.10 | 21.12 | 21.02 | 21.14 |
|         |            | 1                | #Max   | -                              | -  | 21.11 | 21.11 | 21.02 | 21.15 |
|         |            | 50%              | #0     | -                              | -  | 21.04 | 20.85 | 20.97 | 21.11 |
|         |            | 50%              | #Mid   | -                              | -  | 20.91 | 20.84 | 20.81 | 20.92 |
|         |            | 50%              | #Max   | -                              | -  | 20.87 | 20.80 | 20.81 | 20.95 |
|         |            | 100%             | --     | -                              | -  | 21.02 | 20.83 | 20.81 | 21.03 |
| Low-Mid | QPSK       | 1                | #0     | -                              | -  | 21.32 | 21.35 | 21.42 | 21.62 |
|         |            | 1                | #Mid   | -                              | -  | 21.29 | 21.33 | 21.32 | 21.58 |
|         |            | 1                | #Max   | -                              | -  | 21.30 | 21.35 | 21.35 | 21.55 |
|         |            | 50%              | #0     | -                              | -  | 21.12 | 21.11 | 21.22 | 21.53 |
|         |            | 50%              | #Mid   | -                              | -  | 21.18 | 21.18 | 21.21 | 21.47 |
|         |            | 50%              | #Max   | -                              | -  | 21.11 | 21.13 | 21.18 | 21.44 |
|         |            | 100%             | --     | -                              | -  | 21.02 | 21.04 | 21.14 | 21.42 |
|         | 16QAM      | 1                | #0     | -                              | -  | 21.01 | 21.17 | 21.17 | 21.18 |
|         |            | 1                | #Mid   | -                              | -  | 20.93 | 21.03 | 21.13 | 21.15 |
|         |            | 1                | #Max   | -                              | -  | 20.78 | 20.98 | 20.95 | 21.11 |
|         |            | 50%              | #0     | -                              | -  | 20.75 | 21.06 | 20.99 | 21.12 |
|         |            | 50%              | #Mid   | -                              | -  | 20.98 | 20.92 | 21.09 | 21.06 |
|         |            | 50%              | #Max   | -                              | -  | 20.79 | 20.94 | 20.91 | 20.98 |
|         |            | 100%             | --     | -                              | -  | 20.62 | 20.83 | 21.00 | 21.01 |

|          |       |      |      |   |   |       |       |       |       |
|----------|-------|------|------|---|---|-------|-------|-------|-------|
|          | 64QAM | 1    | #0   | - | - | 20.98 | 21.02 | 20.96 | 21.07 |
|          |       | 1    | #Mid | - | - | 20.95 | 20.98 | 20.94 | 20.99 |
|          |       | 1    | #Max | - | - | 20.91 | 20.84 | 20.86 | 20.98 |
|          |       | 50%  | #0   | - | - | 20.92 | 20.88 | 20.96 | 20.91 |
|          |       | 50%  | #Mid | - | - | 21.03 | 20.94 | 21.02 | 21.07 |
|          |       | 50%  | #Max | - | - | 20.91 | 20.96 | 20.88 | 20.94 |
|          |       | 100% | --   | - | - | 20.64 | 20.55 | 20.57 | 20.71 |
| Mid      | QPSK  | 1    | #0   | - | - | 21.36 | 21.32 | 21.31 | 21.75 |
|          |       | 1    | #Mid | - | - | 21.34 | 21.25 | 21.16 | 21.71 |
|          |       | 1    | #Max | - | - | 21.04 | 21.09 | 21.12 | 21.67 |
|          |       | 50%  | #0   | - | - | 21.04 | 21.11 | 21.06 | 21.68 |
|          |       | 50%  | #Mid | - | - | 20.95 | 21.09 | 21.05 | 21.63 |
|          |       | 50%  | #Max | - | - | 20.88 | 20.96 | 20.88 | 21.63 |
|          |       | 100% | --   | - | - | 20.83 | 20.88 | 20.82 | 21.58 |
|          | 16QAM | 1    | #0   | - | - | 21.07 | 21.03 | 21.11 | 21.31 |
|          |       | 1    | #Mid | - | - | 20.99 | 21.05 | 21.01 | 21.31 |
|          |       | 1    | #Max | - | - | 21.10 | 21.10 | 21.09 | 21.29 |
|          |       | 50%  | #0   | - | - | 20.92 | 21.00 | 20.98 | 21.20 |
|          |       | 50%  | #Mid | - | - | 21.07 | 21.13 | 21.00 | 21.21 |
|          |       | 50%  | #Max | - | - | 20.92 | 21.02 | 20.96 | 21.20 |
|          |       | 100% | --   | - | - | 20.89 | 20.91 | 20.92 | 21.10 |
|          | 64QAM | 1    | #0   | - | - | 20.92 | 21.13 | 21.14 | 21.27 |
|          |       | 1    | #Mid | - | - | 20.87 | 21.13 | 21.12 | 21.20 |
|          |       | 1    | #Max | - | - | 20.63 | 20.94 | 20.95 | 21.19 |
|          |       | 50%  | #0   | - | - | 20.91 | 21.08 | 21.03 | 21.22 |
|          |       | 50%  | #Mid | - | - | 20.65 | 20.89 | 21.00 | 21.08 |
|          |       | 50%  | #Max | - | - | 20.61 | 20.83 | 20.88 | 21.03 |
|          |       | 100% | --   | - | - | 20.77 | 20.95 | 21.01 | 21.04 |
| High-Mid | QPSK  | 1    | #0   | - | - | 21.21 | 21.26 | 21.28 | 21.58 |
|          |       | 1    | #Mid | - | - | 21.16 | 21.23 | 21.17 | 21.57 |
|          |       | 1    | #Max | - | - | 21.12 | 21.15 | 21.18 | 21.52 |
|          |       | 50%  | #0   | - | - | 20.91 | 21.09 | 20.90 | 21.48 |
|          |       | 50%  | #Mid | - | - | 20.93 | 21.07 | 21.05 | 21.47 |
|          |       | 50%  | #Max | - | - | 20.80 | 20.84 | 20.87 | 21.42 |
|          |       | 100% | --   | - | - | 20.84 | 20.95 | 20.95 | 21.33 |
|          | 16QAM | 1    | #0   | - | - | 21.00 | 21.02 | 21.08 | 21.27 |
|          |       | 1    | #Mid | - | - | 20.76 | 20.95 | 21.07 | 21.22 |

|      |       |      |      |   |   |       |       |       |       |
|------|-------|------|------|---|---|-------|-------|-------|-------|
|      |       | 1    | #Max | - | - | 20.80 | 20.86 | 21.00 | 21.09 |
|      |       | 50%  | #0   | - | - | 20.80 | 20.75 | 21.00 | 21.18 |
|      |       | 50%  | #Mid | - | - | 20.77 | 20.81 | 20.78 | 20.93 |
|      |       | 50%  | #Max | - | - | 20.69 | 20.71 | 20.81 | 21.03 |
|      |       | 100% | --   | - | - | 20.60 | 20.69 | 20.88 | 21.06 |
|      | 64QAM | 1    | #0   | - | - | 20.96 | 21.21 | 21.12 | 21.25 |
|      |       | 1    | #Mid | - | - | 20.95 | 21.16 | 21.03 | 21.18 |
|      |       | 1    | #Max | - | - | 20.87 | 20.83 | 20.67 | 21.01 |
|      |       | 50%  | #0   | - | - | 20.73 | 20.97 | 20.89 | 21.16 |
|      |       | 50%  | #Mid | - | - | 20.72 | 20.81 | 20.48 | 20.84 |
|      |       | 50%  | #Max | - | - | 20.65 | 20.83 | 20.60 | 20.94 |
|      |       | 100% | --   | - | - | 20.68 | 20.92 | 20.71 | 20.93 |
| High | QPSK  | 1    | #0   | - | - | 21.33 | 21.30 | 21.31 | 21.63 |
|      |       | 1    | #Mid | - | - | 21.30 | 21.26 | 21.19 | 21.57 |
|      |       | 1    | #Max | - | - | 21.13 | 21.06 | 21.15 | 21.54 |
|      |       | 50%  | #0   | - | - | 21.27 | 21.08 | 21.01 | 21.52 |
|      |       | 50%  | #Mid | - | - | 20.93 | 21.00 | 21.06 | 21.48 |
|      |       | 50%  | #Max | - | - | 20.89 | 20.86 | 20.94 | 21.44 |
|      |       | 100% | --   | - | - | 20.96 | 20.85 | 20.94 | 21.53 |
|      | 16QAM | 1    | #0   | - | - | 21.19 | 21.27 | 21.24 | 21.30 |
|      |       | 1    | #Mid | - | - | 21.09 | 21.17 | 21.12 | 21.25 |
|      |       | 1    | #Max | - | - | 20.87 | 20.91 | 20.90 | 20.97 |
|      |       | 50%  | #0   | - | - | 21.00 | 21.00 | 21.03 | 21.09 |
|      |       | 50%  | #Mid | - | - | 20.84 | 20.85 | 20.81 | 20.86 |
|      |       | 50%  | #Max | - | - | 20.94 | 21.03 | 20.76 | 20.97 |
|      |       | 100% | --   | - | - | 20.98 | 20.99 | 20.89 | 21.00 |
|      | 64QAM | 1    | #0   | - | - | 21.13 | 21.16 | 21.20 | 21.21 |
|      |       | 1    | #Mid | - | - | 21.07 | 21.11 | 21.18 | 21.15 |
|      |       | 1    | #Max | - | - | 20.90 | 20.97 | 21.05 | 20.94 |
|      |       | 50%  | #0   | - | - | 21.10 | 21.02 | 21.02 | 21.20 |
|      |       | 50%  | #Mid | - | - | 20.77 | 20.75 | 20.85 | 20.88 |
|      |       | 50%  | #Max | - | - | 20.91 | 20.83 | 20.90 | 20.94 |
|      |       | 100% | --   | - | - | 20.88 | 20.94 | 21.03 | 21.03 |

| Channel | Modulation | LTE Band 42 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 20.96 | 20.96 | 20.95 | 21.26 |
|         |            | 1           | #Mid   | --                             | -- | 20.92 | 20.87 | 20.91 | 21.22 |
|         |            | 1           | #Max   | --                             | -- | 20.88 | 20.90 | 20.96 | 21.19 |
|         |            | 50%         | #0     | --                             | -- | 20.71 | 20.94 | 21.05 | 21.28 |
|         |            | 50%         | #Mid   | --                             | -- | 20.76 | 20.93 | 21.01 | 21.24 |
|         |            | 50%         | #Max   | --                             | -- | 20.74 | 20.82 | 20.97 | 21.22 |
|         |            | 100%        | --     | --                             | -- | 20.70 | 20.91 | 20.89 | 21.13 |
|         | 16QAM      | 1           | #0     | --                             | -- | 20.94 | 20.97 | 21.02 | 21.19 |
|         |            | 1           | #Mid   | --                             | -- | 21.01 | 20.95 | 21.09 | 21.11 |
|         |            | 1           | #Max   | --                             | -- | 21.00 | 20.93 | 20.95 | 21.13 |
|         |            | 50%         | #0     | --                             | -- | 20.12 | 20.05 | 20.08 | 21.03 |
|         |            | 50%         | #Mid   | --                             | -- | 20.08 | 20.05 | 20.05 | 21.09 |
|         |            | 50%         | #Max   | --                             | -- | 20.16 | 19.94 | 20.02 | 21.00 |
|         |            | 100%        | --     | --                             | -- | 20.03 | 19.88 | 19.88 | 20.05 |
|         | 64QAM      | 1           | #0     | --                             | -- | 20.77 | 20.98 | 20.93 | 21.01 |
|         |            | 1           | #Mid   | --                             | -- | 20.96 | 20.91 | 20.91 | 21.02 |
|         |            | 1           | #Max   | --                             | -- | 20.83 | 20.84 | 20.76 | 21.04 |
|         |            | 50%         | #0     | --                             | -- | 20.03 | 20.17 | 20.08 | 21.07 |
|         |            | 50%         | #Mid   | --                             | -- | 20.00 | 20.16 | 19.95 | 20.92 |
|         |            | 50%         | #Max   | --                             | -- | 19.98 | 20.26 | 20.04 | 20.95 |
|         |            | 100%        | --     | --                             | -- | 19.74 | 19.79 | 19.95 | 19.96 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 20.98 | 21.07 | 20.97 | 21.35 |
|         |            | 1           | #Mid   | --                             | -- | 20.93 | 20.87 | 20.90 | 21.24 |
|         |            | 1           | #Max   | --                             | -- | 20.99 | 20.90 | 20.92 | 21.21 |
|         |            | 50%         | #0     | --                             | -- | 20.83 | 21.02 | 20.87 | 21.31 |
|         |            | 50%         | #Mid   | --                             | -- | 20.79 | 21.00 | 20.92 | 21.28 |
|         |            | 50%         | #Max   | --                             | -- | 20.77 | 20.98 | 20.87 | 21.25 |
|         |            | 100%        | --     | --                             | -- | 20.84 | 21.04 | 20.81 | 21.16 |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.04 | 20.96 | 20.98 | 21.21 |
|         |            | 1           | #Mid   | --                             | -- | 20.94 | 20.88 | 21.03 | 21.25 |
|         |            | 1           | #Max   | --                             | -- | 20.91 | 20.90 | 21.16 | 21.16 |
|         |            | 50%         | #0     | --                             | -- | 20.16 | 20.04 | 20.03 | 21.08 |
|         |            | 50%         | #Mid   | --                             | -- | 20.12 | 20.03 | 20.09 | 21.14 |
|         |            | 50%         | #Max   | --                             | -- | 20.10 | 20.01 | 20.05 | 21.01 |
|         |            | 100%        | --     | --                             | -- | 19.87 | 20.07 | 19.83 | 20.10 |
|         | 64QAM      | 1           | #0     | --                             | -- | 20.82 | 20.89 | 20.91 | 21.15 |
|         |            | 1           | #Mid   | --                             | -- | 20.87 | 20.80 | 20.85 | 21.17 |
|         |            | 1           | #Max   | --                             | -- | 20.74 | 20.81 | 20.88 | 21.18 |
|         |            | 50%         | #0     | --                             | -- | 20.19 | 19.97 | 19.95 | 21.11 |
|         |            | 50%         | #Mid   | --                             | -- | 20.06 | 20.06 | 20.10 | 20.98 |
|         |            | 50%         | #Max   | --                             | -- | 20.02 | 20.05 | 19.96 | 20.96 |
|         |            | 100%        | --     | --                             | -- | 19.69 | 19.79 | 19.90 | 20.03 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 20.91 | 20.81 | 20.81 | 21.29 |
|      |       | 1    | #Mid | -- | -- | 20.95 | 20.98 | 21.01 | 21.18 |
|      |       | 1    | #Max | -- | -- | 20.90 | 20.98 | 20.81 | 21.20 |
|      |       | 50%  | #0   | -- | -- | 20.80 | 20.94 | 20.90 | 21.25 |
|      |       | 50%  | #Mid | -- | -- | 20.91 | 20.91 | 20.84 | 21.21 |
|      |       | 50%  | #Max | -- | -- | 20.82 | 20.99 | 20.97 | 21.13 |
|      |       | 100% | --   | -- | -- | 20.70 | 20.95 | 20.92 | 21.11 |
|      | 16QAM | 1    | #0   | -- | -- | 20.96 | 20.98 | 21.12 | 21.21 |
|      |       | 1    | #Mid | -- | -- | 20.96 | 20.98 | 21.04 | 21.25 |
|      |       | 1    | #Max | -- | -- | 20.91 | 20.91 | 21.13 | 21.16 |
|      |       | 50%  | #0   | -- | -- | 20.13 | 20.08 | 20.07 | 21.08 |
|      |       | 50%  | #Mid | -- | -- | 20.25 | 20.06 | 20.01 | 21.14 |
|      |       | 50%  | #Max | -- | -- | 20.16 | 20.13 | 20.15 | 21.01 |
|      |       | 100% | --   | -- | -- | 19.74 | 19.80 | 19.84 | 20.10 |
|      | 64QAM | 1    | #0   | -- | -- | 20.80 | 20.83 | 20.86 | 21.15 |
|      |       | 1    | #Mid | -- | -- | 20.89 | 20.82 | 20.97 | 21.17 |
|      |       | 1    | #Max | -- | -- | 20.86 | 20.81 | 20.87 | 21.18 |
|      |       | 50%  | #0   | -- | -- | 20.06 | 20.10 | 20.08 | 21.11 |
|      |       | 50%  | #Mid | -- | -- | 20.08 | 20.18 | 20.13 | 20.98 |
|      |       | 50%  | #Max | -- | -- | 20.09 | 20.15 | 20.17 | 20.96 |
|      |       | 100% | --   | -- | -- | 19.76 | 19.72 | 19.93 | 20.03 |

| Channel | Modulation | LTE Band 43 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 19.13 | 18.86 | 19.00 | 19.42 |
|         |            | 1           | #Mid   | --                             | -- | 19.18 | 18.74 | 19.01 | 19.27 |
|         |            | 1           | #Max   | --                             | -- | 19.13 | 18.72 | 18.81 | 19.20 |
|         |            | 50%         | #0     | --                             | -- | 19.17 | 18.97 | 18.95 | 19.23 |
|         |            | 50%         | #Mid   | --                             | -- | 19.13 | 18.98 | 18.94 | 19.11 |
|         |            | 50%         | #Max   | --                             | -- | 19.03 | 18.90 | 18.93 | 19.10 |
|         |            | 100%        | --     | --                             | -- | 19.01 | 18.93 | 18.93 | 19.05 |
|         | 16QAM      | 1           | #0     | --                             | -- | 18.87 | 18.75 | 18.79 | 18.98 |
|         |            | 1           | #Mid   | --                             | -- | 18.78 | 18.72 | 18.71 | 18.93 |
|         |            | 1           | #Max   | --                             | -- | 18.82 | 18.69 | 18.71 | 18.86 |
|         |            | 50%         | #0     | --                             | -- | 18.67 | 18.59 | 18.69 | 18.77 |
|         |            | 50%         | #Mid   | --                             | -- | 18.61 | 18.60 | 18.71 | 18.78 |
|         |            | 50%         | #Max   | --                             | -- | 18.58 | 18.51 | 18.70 | 18.76 |
|         |            | 100%        | --     | --                             | -- | 18.62 | 18.54 | 18.64 | 18.74 |
|         | 64QAM      | 1           | #0     | --                             | -- | 18.90 | 18.76 | 18.71 | 18.98 |
|         |            | 1           | #Mid   | --                             | -- | 18.69 | 18.74 | 18.72 | 18.84 |
|         |            | 1           | #Max   | --                             | -- | 18.72 | 18.70 | 18.63 | 18.83 |
|         |            | 50%         | #0     | --                             | -- | 18.84 | 18.72 | 18.73 | 18.89 |
|         |            | 50%         | #Mid   | --                             | -- | 18.74 | 18.73 | 18.72 | 18.87 |
|         |            | 50%         | #Max   | --                             | -- | 18.66 | 18.65 | 18.71 | 18.81 |
|         |            | 100%        | --     | --                             | -- | 18.78 | 18.67 | 18.73 | 18.95 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 19.02 | 19.12 | 19.00 | 19.43 |
|         |            | 1           | #Mid   | --                             | -- | 18.91 | 18.95 | 19.05 | 19.30 |
|         |            | 1           | #Max   | --                             | -- | 18.90 | 18.91 | 18.88 | 19.26 |
|         |            | 50%         | #0     | --                             | -- | 19.05 | 19.10 | 19.10 | 19.41 |
|         |            | 50%         | #Mid   | --                             | -- | 19.09 | 19.04 | 19.01 | 19.14 |
|         |            | 50%         | #Max   | --                             | -- | 19.06 | 18.95 | 19.00 | 19.10 |
|         |            | 100%        | --     | --                             | -- | 19.04 | 19.05 | 18.99 | 19.34 |
|         | 16QAM      | 1           | #0     | --                             | -- | 18.90 | 18.83 | 18.81 | 19.03 |
|         |            | 1           | #Mid   | --                             | -- | 18.90 | 18.77 | 18.78 | 18.97 |
|         |            | 1           | #Max   | --                             | -- | 18.92 | 18.89 | 18.70 | 19.01 |
|         |            | 50%         | #0     | --                             | -- | 18.71 | 18.79 | 18.58 | 18.98 |
|         |            | 50%         | #Mid   | --                             | -- | 18.75 | 18.84 | 18.59 | 18.94 |
|         |            | 50%         | #Max   | --                             | -- | 18.71 | 18.69 | 18.60 | 18.87 |
|         |            | 100%        | --     | --                             | -- | 18.70 | 18.78 | 18.62 | 18.91 |
|         | 64QAM      | 1           | #0     | --                             | -- | 18.84 | 18.82 | 18.75 | 19.04 |
|         |            | 1           | #Mid   | --                             | -- | 18.75 | 18.67 | 18.61 | 19.08 |
|         |            | 1           | #Max   | --                             | -- | 18.76 | 18.71 | 18.53 | 19.02 |
|         |            | 50%         | #0     | --                             | -- | 18.74 | 18.82 | 18.60 | 18.98 |
|         |            | 50%         | #Mid   | --                             | -- | 18.69 | 18.67 | 18.61 | 18.95 |
|         |            | 50%         | #Max   | --                             | -- | 18.64 | 18.62 | 18.61 | 18.89 |
|         |            | 100%        | --     | --                             | -- | 18.73 | 18.60 | 18.61 | 19.03 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 18.93 | 19.02 | 18.98 | 19.41 |
|      |       | 1    | #Mid | -- | -- | 18.99 | 18.92 | 18.95 | 19.22 |
|      |       | 1    | #Max | -- | -- | 18.86 | 18.95 | 19.04 | 19.12 |
|      |       | 50%  | #0   | -- | -- | 19.15 | 19.05 | 19.02 | 19.24 |
|      |       | 50%  | #Mid | -- | -- | 19.07 | 19.08 | 19.00 | 19.12 |
|      |       | 50%  | #Max | -- | -- | 19.03 | 19.01 | 18.97 | 19.09 |
|      |       | 100% | --   | -- | -- | 19.02 | 19.03 | 18.99 | 19.15 |
|      | 16QAM | 1    | #0   | -- | -- | 18.81 | 18.76 | 18.90 | 18.95 |
|      |       | 1    | #Mid | -- | -- | 18.82 | 18.74 | 18.88 | 18.90 |
|      |       | 1    | #Max | -- | -- | 18.70 | 18.79 | 18.76 | 18.80 |
|      |       | 50%  | #0   | -- | -- | 18.80 | 18.68 | 18.61 | 18.86 |
|      |       | 50%  | #Mid | -- | -- | 18.74 | 18.68 | 18.60 | 18.77 |
|      |       | 50%  | #Max | -- | -- | 18.68 | 18.67 | 18.57 | 18.74 |
|      |       | 100% | --   | -- | -- | 18.69 | 18.66 | 18.63 | 18.73 |
|      | 64QAM | 1    | #0   | -- | -- | 18.85 | 18.85 | 18.72 | 18.98 |
|      |       | 1    | #Mid | -- | -- | 18.84 | 18.86 | 18.70 | 18.92 |
|      |       | 1    | #Max | -- | -- | 18.72 | 18.86 | 18.58 | 18.97 |
|      |       | 50%  | #0   | -- | -- | 18.73 | 18.84 | 18.63 | 18.93 |
|      |       | 50%  | #Mid | -- | -- | 18.67 | 18.76 | 18.61 | 18.92 |
|      |       | 50%  | #Max | -- | -- | 18.72 | 18.80 | 18.58 | 18.86 |
|      |       | 100% | --   | -- | -- | 18.82 | 18.80 | 18.61 | 18.95 |

| Channel | Modulation | LTE Band 66 |        |                                |       |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|-------|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |       |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M    | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | 17.85                          | 17.86 | 18.22 | 18.14 | 18.11 | 18.35 |
|         |            | 1           | #Mid   | 18.00                          | 18.10 | 18.15 | 18.17 | 18.14 | 18.30 |
|         |            | 1           | #Max   | 17.87                          | 17.86 | 18.11 | 18.13 | 18.03 | 18.21 |
|         |            | 50%         | #0     | 17.89                          | 17.99 | 18.15 | 18.19 | 18.10 | 18.25 |
|         |            | 50%         | #Mid   | 17.95                          | 18.07 | 18.13 | 18.15 | 18.11 | 18.23 |
|         |            | 50%         | #Max   | 17.89                          | 17.97 | 18.07 | 18.15 | 18.08 | 18.20 |
|         |            | 100%        | --     | 17.96                          | 17.96 | 18.03 | 18.11 | 18.09 | 18.16 |
|         | 16QAM      | 1           | #0     | 17.92                          | 18.02 | 18.06 | 17.98 | 17.97 | 18.09 |
|         |            | 1           | #Mid   | 17.92                          | 17.92 | 17.90 | 17.92 | 17.96 | 18.05 |
|         |            | 1           | #Max   | 17.82                          | 17.91 | 17.91 | 17.85 | 17.90 | 18.01 |
|         |            | 50%         | #0     | 18.07                          | 18.06 | 17.91 | 17.90 | 17.88 | 18.00 |
|         |            | 50%         | #Mid   | 18.02                          | 17.98 | 17.96 | 17.88 | 17.86 | 17.98 |
|         |            | 50%         | #Max   | 18.06                          | 17.92 | 17.84 | 17.81 | 17.78 | 17.98 |
|         |            | 100%        | --     | 17.82                          | 17.82 | 17.87 | 17.79 | 17.83 | 18.00 |
|         | 64QAM      | 1           | #0     | 17.89                          | 17.94 | 18.08 | 18.04 | 17.87 | 18.06 |
|         |            | 1           | #Mid   | 17.89                          | 17.83 | 18.02 | 18.03 | 17.89 | 17.95 |
|         |            | 1           | #Max   | 17.76                          | 17.85 | 17.91 | 17.84 | 17.83 | 17.91 |
|         |            | 50%         | #0     | 17.97                          | 17.93 | 17.87 | 17.92 | 17.82 | 17.98 |
|         |            | 50%         | #Mid   | 17.95                          | 17.92 | 17.89 | 17.82 | 17.77 | 17.92 |
|         |            | 50%         | #Max   | 17.81                          | 17.86 | 17.84 | 17.79 | 17.76 | 17.90 |
|         |            | 100%        | --     | 17.82                          | 17.84 | 17.86 | 17.84 | 17.85 | 17.93 |
| Mid     | QPSK       | 1           | #0     | 17.95                          | 18.05 | 18.14 | 18.22 | 18.14 | 18.36 |
|         |            | 1           | #Mid   | 17.94                          | 17.93 | 18.12 | 18.16 | 18.09 | 18.33 |
|         |            | 1           | #Max   | 17.91                          | 17.85 | 18.04 | 18.13 | 17.98 | 18.24 |
|         |            | 50%         | #0     | 17.94                          | 17.97 | 18.13 | 18.16 | 18.09 | 18.35 |
|         |            | 50%         | #Mid   | 18.02                          | 18.04 | 18.19 | 18.19 | 18.17 | 18.31 |
|         |            | 50%         | #Max   | 17.98                          | 17.91 | 18.06 | 18.12 | 18.16 | 18.29 |
|         |            | 100%        | --     | 17.88                          | 17.94 | 17.96 | 18.02 | 18.10 | 18.25 |
|         | 16QAM      | 1           | #0     | 17.81                          | 17.86 | 17.82 | 17.83 | 17.84 | 18.21 |
|         |            | 1           | #Mid   | 17.75                          | 17.80 | 17.70 | 17.75 | 17.80 | 18.16 |
|         |            | 1           | #Max   | 17.57                          | 17.66 | 17.75 | 17.68 | 17.76 | 18.13 |
|         |            | 50%         | #0     | 17.75                          | 17.76 | 17.84 | 17.74 | 17.75 | 18.18 |
|         |            | 50%         | #Mid   | 17.83                          | 17.83 | 17.62 | 17.66 | 17.73 | 18.14 |
|         |            | 50%         | #Max   | 17.68                          | 17.71 | 17.62 | 17.67 | 17.73 | 18.08 |
|         |            | 100%        | --     | 17.66                          | 17.74 | 17.68 | 17.65 | 17.75 | 18.23 |
|         | 64QAM      | 1           | #0     | 17.87                          | 17.90 | 17.77 | 17.78 | 17.82 | 18.08 |
|         |            | 1           | #Mid   | 17.84                          | 17.77 | 17.73 | 17.76 | 17.73 | 18.05 |
|         |            | 1           | #Max   | 17.78                          | 17.69 | 17.79 | 17.68 | 17.67 | 17.99 |
|         |            | 50%         | #0     | 17.61                          | 17.79 | 17.71 | 17.84 | 17.65 | 18.04 |
|         |            | 50%         | #Mid   | 17.52                          | 17.93 | 17.54 | 17.58 | 17.70 | 17.96 |
|         |            | 50%         | #Max   | 17.72                          | 17.72 | 17.63 | 17.66 | 17.67 | 17.91 |
|         |            | 100%        | --     | 17.70                          | 17.66 | 17.72 | 17.75 | 17.71 | 17.95 |

|      |       |      |      |       |       |       |       |       |       |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | 17.95 | 17.94 | 18.22 | 18.25 | 18.16 | 18.32 |
|      |       | 1    | #Mid | 17.88 | 17.99 | 18.16 | 18.23 | 18.10 | 18.26 |
|      |       | 1    | #Max | 17.85 | 17.87 | 18.16 | 18.21 | 18.20 | 18.24 |
|      |       | 50%  | #0   | 17.88 | 17.95 | 18.21 | 18.24 | 18.13 | 18.31 |
|      |       | 50%  | #Mid | 17.83 | 17.98 | 18.21 | 18.24 | 18.18 | 18.29 |
|      |       | 50%  | #Max | 17.80 | 17.95 | 18.13 | 18.21 | 18.15 | 18.23 |
|      |       | 100% | --   | 17.75 | 17.89 | 18.13 | 18.09 | 18.16 | 18.16 |
|      | 16QAM | 1    | #0   | 17.87 | 17.89 | 17.89 | 17.89 | 17.90 | 18.06 |
|      |       | 1    | #Mid | 17.84 | 17.87 | 17.82 | 17.81 | 17.85 | 17.84 |
|      |       | 1    | #Max | 17.83 | 17.80 | 17.76 | 17.81 | 17.83 | 17.87 |
|      |       | 50%  | #0   | 17.82 | 17.81 | 17.85 | 17.90 | 17.97 | 18.00 |
|      |       | 50%  | #Mid | 17.78 | 17.88 | 17.75 | 17.85 | 17.87 | 17.86 |
|      |       | 50%  | #Max | 17.75 | 17.89 | 17.71 | 17.77 | 17.85 | 17.94 |
|      |       | 100% | --   | 17.73 | 17.76 | 17.71 | 17.74 | 17.77 | 17.88 |
|      | 64QAM | 1    | #0   | 17.88 | 17.83 | 17.88 | 17.88 | 17.80 | 17.97 |
|      |       | 1    | #Mid | 17.79 | 17.81 | 17.82 | 17.82 | 17.74 | 17.85 |
|      |       | 1    | #Max | 17.79 | 17.70 | 17.82 | 17.79 | 17.81 | 17.96 |
|      |       | 50%  | #0   | 17.87 | 17.79 | 17.77 | 17.85 | 17.79 | 18.01 |
|      |       | 50%  | #Mid | 17.78 | 17.82 | 17.73 | 17.78 | 17.77 | 17.93 |
|      |       | 50%  | #Max | 17.77 | 17.79 | 17.81 | 17.74 | 17.81 | 17.89 |
|      |       | 100% | --   | 17.72 | 17.74 | 17.57 | 17.65 | 17.50 | 17.84 |

| Channel | Modulation | LTE Band 71 |        |                                |    |       |       |       |       |
|---------|------------|-------------|--------|--------------------------------|----|-------|-------|-------|-------|
|         |            | RB          | RB     | Maximum Conducted Output Power |    |       |       |       |       |
|         |            | No.         | Offset | 1.4M                           | 3M | 5M    | 10M   | 15M   | 20M   |
| Low     | QPSK       | 1           | #0     | --                             | -- | 21.03 | 21.13 | 21.26 | 21.39 |
|         |            | 1           | #Mid   | --                             | -- | 21.05 | 21.03 | 21.00 | 21.32 |
|         |            | 1           | #Max   | --                             | -- | 21.04 | 21.08 | 21.23 | 21.24 |
|         |            | 50%         | #0     | --                             | -- | 21.10 | 21.13 | 21.19 | 21.35 |
|         |            | 50%         | #Mid   | --                             | -- | 21.10 | 20.92 | 21.18 | 21.24 |
|         |            | 50%         | #Max   | --                             | -- | 21.13 | 21.06 | 21.16 | 21.28 |
|         |            | 100%        | --     | --                             | -- | 20.97 | 21.05 | 21.12 | 21.23 |
|         | 16QAM      | 1           | #0     | --                             | -- | 21.08 | 21.00 | 21.01 | 21.18 |
|         |            | 1           | #Mid   | --                             | -- | 21.02 | 21.04 | 21.04 | 21.14 |
|         |            | 1           | #Max   | --                             | -- | 20.75 | 20.84 | 20.94 | 21.11 |
|         |            | 50%         | #0     | --                             | -- | 20.86 | 20.94 | 20.96 | 21.08 |
|         |            | 50%         | #Mid   | --                             | -- | 20.86 | 20.94 | 21.03 | 21.13 |
|         |            | 50%         | #Max   | --                             | -- | 20.69 | 20.72 | 20.90 | 21.11 |
|         |            | 100%        | --     | --                             | -- | 20.94 | 20.95 | 20.99 | 21.10 |
|         | 64QAM      | 1           | #0     | --                             | -- | 21.13 | 20.97 | 21.11 | 21.21 |
|         |            | 1           | #Mid   | --                             | -- | 20.95 | 21.01 | 21.05 | 21.16 |
|         |            | 1           | #Max   | --                             | -- | 20.73 | 20.78 | 21.00 | 21.14 |
|         |            | 50%         | #0     | --                             | -- | 20.85 | 20.93 | 20.91 | 21.17 |
|         |            | 50%         | #Mid   | --                             | -- | 20.80 | 20.99 | 21.02 | 21.16 |
|         |            | 50%         | #Max   | --                             | -- | 20.74 | 20.81 | 20.95 | 21.11 |
|         |            | 100%        | --     | --                             | -- | 21.03 | 20.92 | 21.01 | 21.06 |
| Mid     | QPSK       | 1           | #0     | --                             | -- | 21.23 | 21.27 | 21.33 | 21.46 |
|         |            | 1           | #Mid   | --                             | -- | 21.29 | 21.25 | 21.32 | 21.41 |
|         |            | 1           | #Max   | --                             | -- | 21.25 | 21.27 | 21.29 | 21.38 |
|         |            | 50%         | #0     | --                             | -- | 21.26 | 21.24 | 21.27 | 21.38 |
|         |            | 50%         | #Mid   | --                             | -- | 21.11 | 21.29 | 21.19 | 21.32 |
|         |            | 50%         | #Max   | --                             | -- | 21.13 | 21.27 | 21.22 | 21.31 |
|         |            | 100%        | --     | --                             | -- | 21.12 | 21.16 | 21.13 | 21.26 |
|         | 16QAM      | 1           | #0     | --                             | -- | 20.97 | 21.23 | 21.23 | 21.26 |
|         |            | 1           | #Mid   | --                             | -- | 20.94 | 21.11 | 21.15 | 21.23 |
|         |            | 1           | #Max   | --                             | -- | 20.87 | 21.13 | 21.19 | 21.21 |
|         |            | 50%         | #0     | --                             | -- | 20.85 | 21.12 | 21.11 | 21.19 |
|         |            | 50%         | #Mid   | --                             | -- | 20.81 | 21.04 | 21.09 | 21.17 |
|         |            | 50%         | #Max   | --                             | -- | 20.73 | 21.02 | 21.09 | 21.15 |
|         |            | 100%        | --     | --                             | -- | 20.77 | 20.97 | 21.01 | 21.10 |
|         | 64QAM      | 1           | #0     | --                             | -- | 20.93 | 21.20 | 21.16 | 21.22 |
|         |            | 1           | #Mid   | --                             | -- | 21.04 | 21.10 | 21.15 | 21.17 |
|         |            | 1           | #Max   | --                             | -- | 20.92 | 21.12 | 21.14 | 21.19 |
|         |            | 50%         | #0     | --                             | -- | 20.86 | 21.17 | 21.13 | 21.21 |
|         |            | 50%         | #Mid   | --                             | -- | 20.77 | 20.99 | 21.13 | 21.16 |
|         |            | 50%         | #Max   | --                             | -- | 20.84 | 20.99 | 21.11 | 21.12 |
|         |            | 100%        | --     | --                             | -- | 20.80 | 20.91 | 21.10 | 21.13 |

|      |       |      |      |    |    |       |       |       |       |
|------|-------|------|------|----|----|-------|-------|-------|-------|
| High | QPSK  | 1    | #0   | -- | -- | 21.21 | 21.28 | 21.24 | 21.33 |
|      |       | 1    | #Mid | -- | -- | 21.12 | 21.27 | 21.21 | 21.28 |
|      |       | 1    | #Max | -- | -- | 21.15 | 21.08 | 21.12 | 21.24 |
|      |       | 50%  | #0   | -- | -- | 21.24 | 21.27 | 21.22 | 21.29 |
|      |       | 50%  | #Mid | -- | -- | 21.18 | 21.19 | 21.19 | 21.24 |
|      |       | 50%  | #Max | -- | -- | 21.12 | 21.19 | 21.20 | 21.22 |
|      |       | 100% | --   | -- | -- | 21.13 | 21.07 | 21.14 | 21.17 |
|      | 16QAM | 1    | #0   | -- | -- | 20.99 | 21.16 | 21.08 | 21.19 |
|      |       | 1    | #Mid | -- | -- | 20.92 | 21.11 | 21.00 | 21.17 |
|      |       | 1    | #Max | -- | -- | 20.88 | 20.92 | 21.07 | 21.17 |
|      |       | 50%  | #0   | -- | -- | 21.00 | 21.12 | 21.03 | 21.15 |
|      |       | 50%  | #Mid | -- | -- | 20.95 | 21.02 | 20.97 | 21.12 |
|      |       | 50%  | #Max | -- | -- | 20.85 | 21.05 | 20.98 | 21.09 |
|      |       | 100% | --   | -- | -- | 20.93 | 20.90 | 21.02 | 21.09 |
|      | 64QAM | 1    | #0   | -- | -- | 20.99 | 21.07 | 21.13 | 21.12 |
|      |       | 1    | #Mid | -- | -- | 20.85 | 21.10 | 21.11 | 21.15 |
|      |       | 1    | #Max | -- | -- | 20.90 | 20.90 | 21.09 | 21.10 |
|      |       | 50%  | #0   | -- | -- | 20.99 | 21.12 | 21.06 | 21.14 |
|      |       | 50%  | #Mid | -- | -- | 20.88 | 21.01 | 21.03 | 21.05 |
|      |       | 50%  | #Max | -- | -- | 20.79 | 21.04 | 21.07 | 21.09 |
|      |       | 100% | --   | -- | -- | 20.93 | 20.80 | 21.10 | 21.12 |

## LTE Intra-Band Up-Link Carrier Aggregation

| Number | Combination |
|--------|-------------|
| 1      | 5B          |
| 2      | 7C          |
| 3      | 41C         |
| 4      | 48C         |
| 5      | 66B         |
| 6      | 66C         |

### P-Sensor OFF

| 2UL_CA_5B Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                        | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                    | 10       | 20450   | 829             | 1      | 0         | 10       | 20549   | 838.9           | 0      | 0         | 22.33             |
| Mid                                    | 10       | 20476   | 831.6           | 1      | 0         | 10       | 20575   | 841.5           | 0      | 0         | 22.47             |
| High                                   | 10       | 20501   | 834.1           | 1      | 0         | 10       | 20600   | 844             | 0      | 0         | 22.31             |

| 2UL_CA_7C Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                        | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                    | 20       | 20850   | 2510            | 1      | 0         | 20       | 21048   | 2529.8          | 0      | 0         | 23.15             |
| Mid                                    | 20       | 21001   | 2525.1          | 1      | 0         | 20       | 21199   | 2544.9          | 0      | 0         | 23.43             |
| High                                   | 20       | 21152   | 2540.2          | 1      | 0         | 20       | 21350   | 2560            | 0      | 0         | 23.12             |

| 2UL_CA_38C Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|-----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                 | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                         | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                     | 20       | 37850   | 2580            | 1      | 0         | 10       | 38048   | 2599.8          | 0      | 0         | 23.12             |
| Mid                                     | 20       | 37901   | 2585.1          | 1      | 0         | 20       | 38099   | 2604.9          | 0      | 0         | 23.16             |
| High                                    | 20       | 37952   | 2590.2          | 1      | 0         | 20       | 38150   | 2610            | 0      | 0         | 23.09             |

| 2UL_CA_41C Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|-----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                 | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                         | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                     | 20       | 39750   | 2506            | 1      | 0         | 20       | 39948   | 2525.8          | 0      | 0         | 23.22             |
| Mid                                     | 20       | 40521   | 2583.1          | 1      | 0         | 20       | 40719   | 2602.9          | 0      | 0         | 23.32             |
| High                                    | 20       | 41292   | 2660.2          | 1      | 0         | 20       | 41490   | 2680            | 0      | 0         | 23.24             |

| 2UL_CA_41C Maximum Average Output Power(HPUE) |          |         |                 |        |           |          |         |                 |        |           |                   |
|-----------------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                       | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                               | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                           | 20       | 39750   | 2506            | 1      | 0         | 20       | 39948   | 2525.8          | 0      | 0         | 26.12             |
| Mid                                           | 20       | 40521   | 2583.1          | 1      | 0         | 20       | 40719   | 2602.9          | 0      | 0         | 26.25             |
| High                                          | 20       | 41292   | 2660.2          | 1      | 0         | 20       | 41490   | 2680            | 0      | 0         | 26.09             |

## P-Sensor ON

| 2UL_CA_5B Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                        | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                    | 10       | 20450   | 829             | 1      | 0         | 10       | 20549   | 838.9           | 0      | 0         | 20.01             |
| Mid                                    | 10       | 20476   | 831.6           | 1      | 0         | 10       | 20575   | 841.5           | 0      | 0         | 20.11             |
| High                                   | 10       | 20501   | 834.1           | 1      | 0         | 10       | 20600   | 844             | 0      | 0         | 20.02             |

| 2UL_CA_7C Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                        | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                    | 20       | 20850   | 2510            | 1      | 0         | 20       | 21048   | 2529.8          | 0      | 0         | 19.38             |
| Mid                                    | 20       | 21001   | 2525.1          | 1      | 0         | 20       | 21199   | 2544.9          | 0      | 0         | 19.48             |
| High                                   | 20       | 21152   | 2540.2          | 1      | 0         | 20       | 21350   | 2560            | 0      | 0         | 19.31             |

| 2UL_CA_41C Maximum Average Output Power |          |         |                 |        |           |          |         |                 |        |           |                   |
|-----------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                 | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                         | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                     | 20       | 39750   | 2506            | 1      | 0         | 20       | 39948   | 2525.8          | 0      | 0         | 21.40             |
| Mid                                     | 20       | 40521   | 2583.1          | 1      | 0         | 20       | 40719   | 2602.9          | 0      | 0         | 21.55             |
| High                                    | 20       | 41292   | 2660.2          | 1      | 0         | 20       | 41490   | 2680            | 0      | 0         | 21.36             |

| 2UL_CA_41C Maximum Average Output Power(HPUE) |          |         |                 |        |           |          |         |                 |        |           |                   |
|-----------------------------------------------|----------|---------|-----------------|--------|-----------|----------|---------|-----------------|--------|-----------|-------------------|
| Channel                                       | PCC      |         |                 |        |           | SCC      |         |                 |        |           | Total Power (dBm) |
|                                               | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | BW (MHz) | Channel | Frequency (MHz) | RB No. | RB offset | QPSK              |
| Low                                           | 20       | 39750   | 2506            | 1      | 0         | 20       | 39948   | 2525.8          | 0      | 0         | 21.45             |
| Mid                                           | 20       | 40521   | 2583.1          | 1      | 0         | 20       | 40719   | 2602.9          | 0      | 0         | 21.68             |
| High                                          | 20       | 41292   | 2660.2          | 1      | 0         | 20       | 41490   | 2680            | 0      | 0         | 21.40             |

## LTE Down-Link Carrier Aggregation

The tables is showing the supported frequency bands of the device for DL Inter-band and DL Intra-band combinations.

| Index   | 2CC       | Restriction  | Completely Covered by Measurement Superset |
|---------|-----------|--------------|--------------------------------------------|
| 2CC #1  | CA_2A-2A  |              | 3CC #10                                    |
| 2CC #2  | CA_2A-4A  |              | 3CC #15                                    |
| 2CC #3  | CA_2A-5A  |              | 3CC #16                                    |
| 2CC #4  | CA_2C     |              | 3CC #36                                    |
| 2CC #5  | CA_2A-12A |              | 3CC #1                                     |
| 2CC #6  | CA_2A-13A |              | 3CC #5                                     |
| 2CC #7  | CA_2A-14A |              | 3CC #6                                     |
| 2CC #8  | CA_2A-28A |              | No                                         |
| 2CC #9  | CA_2A-29A | B29 SCC Only | 3CC #8                                     |
| 2CC #12 | CA_2A-66A |              | 3CC #17                                    |
| 2CC #13 | CA_2A-71A |              | 3CC #18                                    |
| 2CC #14 | CA_4A-12A |              | 3CC #41                                    |
| 2CC #15 | CA_4A-13A |              | 3CC #46                                    |
| 2CC #16 | CA_4A-28A |              | No                                         |
| 2CC #17 | CA_4A-29A | B29 SCC Only | 3CC #47                                    |
| 2CC #19 | CA_4A-7A  |              | 3CC #52                                    |
| 2CC #20 | CA_4A-4A  |              | 3CC #45                                    |
| 2CC #21 | CA_4A-5A  |              | 3CC #50                                    |
| 2CC #22 | CA_4A-71A |              | 3CC #49                                    |
| 2CC #23 | CA_5A-25A |              | No                                         |
| 2CC #25 | CA_5A-38A |              | No                                         |
| 2CC #26 | CA_5A-40A |              | 3CC #55                                    |
| 2CC #27 | CA_5A-41A |              | No                                         |
| 2CC #28 | CA_5A-5A  |              | 3CC #57                                    |
| 2CC #29 | CA_5A-66A |              | 3CC #58                                    |
| 2CC #30 | CA_5A-7A  |              | 3CC #61                                    |
| 2CC #31 | CA_5B     |              | 3CC #63                                    |
| 2CC #32 | CA_7A-12A |              | 3CC #52                                    |
| 2CC #33 | CA_7A-20A |              | 3CC #67                                    |
| 2CC #34 | CA_7A-28A |              | No                                         |

|         |            |              |         |
|---------|------------|--------------|---------|
| 2CC #35 | CA_7A-42A  |              | 3CC #67 |
| 2CC #36 | CA_7A-66A  |              | No      |
| 2CC #37 | CA_7A-7A   |              | 3CC #66 |
| 2CC #38 | CA_7B      |              | 3CC #65 |
| 2CC #39 | CA_7C      |              | 3CC #62 |
| 2CC #40 | CA_7A-8A   |              | 3CC #66 |
| 2CC #41 | CA_12A-12A |              | 3CC #1  |
| 2CC #42 | CA_12A-25A |              | No      |
| 2CC #44 | CA_12A-66A |              | 3CC #3  |
| 2CC #45 | CA_12B     |              | 3CC #4  |
| 2CC #46 | CA_13A-66A |              | 3CC #74 |
| 2CC #48 | CA_14A-66A |              | 3CC #78 |
| 2CC #49 | CA_25A-25A |              | 3CC #79 |
| 2CC #50 | CA_25A-26A |              | 3CC #79 |
| 2CC #51 | CA_26A-41A |              | 3CC #80 |
| 2CC #53 | CA_29A-66A | B29 SCC Only | 3CC #9  |
| 2CC #55 | CA_38C     |              | No      |
| 2CC #56 | CA_41A-41A |              | 3CC #80 |
| 2CC #57 | CA_41A-42A |              | No      |
| 2CC #58 | CA_41C     |              | 3CC #84 |
| 2CC #61 | CA_66A-66A |              | 3CC #71 |
| 2CC #62 | CA_66A-71A |              | 3CC #88 |
| 2CC #63 | CA_66B     |              | 3CC #72 |
| 2CC #64 | CA_66C     |              | 3CC #76 |

| Index   | 3CC           | Restriction  | Completely Covered by Measurement Superset |
|---------|---------------|--------------|--------------------------------------------|
| 3CC #1  | CA_2A-12A-12A |              | No                                         |
| 3CC #3  | CA_2A-12A-66A |              | No                                         |
| 3CC #4  | CA_2A-12B     |              | No                                         |
| 3CC #5  | CA_2A-13A-66A |              | No                                         |
| 3CC #7  | CA_2A-14A-66A |              | No                                         |
| 3CC #9  | CA_2A-29A-66A | B29 SCC Only | No                                         |
| 3CC #10 | CA_2A-2A-12A  |              | No                                         |
| 3CC #11 | CA_2A-2A-13A  |              | No                                         |
| 3CC #12 | CA_2A-2A-14A  |              | No                                         |
| 3CC #13 | CA_2A-2A-29A  | B29 SCC Only | No                                         |
| 3CC #15 | CA_2A-2A-4A   |              | No                                         |
| 3CC #16 | CA_2A-2A-5A   |              | No                                         |
| 3CC #17 | CA_2A-2A-66A  |              | No                                         |
| 3CC #18 | CA_2A-2A-71A  |              | No                                         |
| 3CC #21 | CA_2A-4A-12A  |              | No                                         |
| 3CC #22 | CA_2A-4A-13A  |              | No                                         |
| 3CC #23 | CA_2A-4A-29A  | B29 SCC Only | No                                         |
| 3CC #25 | CA_2A-4A-4A   |              | No                                         |
| 3CC #26 | CA_2A-4A-5A   |              | No                                         |
| 3CC #27 | CA_2A-4A-71A  |              | No                                         |
| 3CC #29 | CA_2A-5A-66A  |              | No                                         |
| 3CC #30 | CA_2A-5B      |              | No                                         |
| 3CC #31 | CA_2A-66A-66A |              | No                                         |
| 3CC #32 | CA_2A-66A-71A |              | No                                         |
| 3CC #33 | CA_2A-66B     |              | No                                         |
| 3CC #34 | CA_2A-66C     |              | No                                         |
| 3CC #35 | CA_2A-7C      |              | No                                         |
| 3CC #36 | CA_2C-12A     |              | No                                         |
| 3CC #37 | CA_2C-29A     | B29 SCC Only | No                                         |
| 3CC #39 | CA_2C-66A     |              | No                                         |
| 3CC #40 | CA_2C-5A      |              | No                                         |
| 3CC #41 | CA_4A-12A-12A |              | No                                         |

|         |                |              |    |
|---------|----------------|--------------|----|
| 3CC #43 | CA_4A-12B      |              | No |
| 3CC #45 | CA_4A-4A-12A   |              | No |
| 3CC #46 | CA_4A-4A-13A   |              | No |
| 3CC #47 | CA_4A-4A-29A   | B29 SCC Only | No |
| 3CC #48 | CA_4A-4A-5A    |              | No |
| 3CC #49 | CA_4A-4A-71A   |              | No |
| 3CC #51 | CA_4A-5B       |              | No |
| 3CC #52 | CA_4A-7A-12A   |              | No |
| 3CC #53 | CA_4A-7C       |              | No |
| 3CC #55 | CA_5A-40A-40A  |              | No |
| 3CC #56 | CA_5A-40C      |              | No |
| 3CC #57 | CA_5A-5A-66A   |              | No |
| 3CC #58 | CA_5A-66A-66A  |              | No |
| 3CC #59 | CA_5A-66B      |              | No |
| 3CC #60 | CA_5A-66C      |              | No |
| 3CC #61 | CA_5A-7A-7A    |              | No |
| 3CC #62 | CA_5A-7C       |              | No |
| 3CC #64 | CA_5B-66A      |              | No |
| 3CC #65 | CA_7B-28A      |              | No |
| 3CC #66 | CA_7A-7A-8A    |              | No |
| 3CC #67 | CA_7A-20A-42A  |              | No |
| 3CC #68 | CA_7C-8A       |              | No |
| 3CC #69 | CA_7C-20A      |              | No |
| 3CC #71 | CA_12A-66A-66A |              | No |
| 3CC #72 | CA_12A-66B     |              | No |
| 3CC #73 | CA_12A-66C     |              | No |
| 3CC #74 | CA_13A-66A-66A |              | No |
| 3CC #75 | CA_13A-66B     |              | No |
| 3CC #76 | CA_13A-66C     |              | No |
| 3CC #78 | CA_14A-66A-66A |              | No |
| 3CC #79 | CA_25A-25A-26A |              | No |
| 3CC #80 | CA_26A-41A-41A |              | No |
| 3CC #81 | CA_26A-41C     |              | No |
| 3CC #82 | CA_41A-41C     |              | No |
| 3CC #83 | CA_41A-42C     |              | No |

|         |                |  |    |
|---------|----------------|--|----|
| 3CC #84 | CA_41C-42A     |  | No |
| 3CC #85 | CA_42D         |  | No |
| 3CC #88 | CA_66A-66A-71A |  | No |
| 3CC #89 | CA_66A-66B     |  | No |
| 3CC #90 | CA_66A-66C     |  | No |
| 3CC #91 | CA_66C-71A     |  | No |
| 3CC #92 | CA_66D         |  | No |

## P-Sensor OFF

| Two Component Carrier Maximum Conducted Power |             |            |        |           |         |                    |         |                    |         |             |         |                    |                |                |                |
|-----------------------------------------------|-------------|------------|--------|-----------|---------|--------------------|---------|--------------------|---------|-------------|---------|--------------------|----------------|----------------|----------------|
| PCC                                           |             |            |        |           |         |                    | PCC DL  |                    | SCC     |             |         |                    | TX Power (dBm) |                | Configurations |
| Band                                          | BW<br>(MHz) | Modulation | RB No. | RB offset | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Band    | BW<br>(MHz) | Channel | Frequency<br>(MHz) | CA<br>Active   | CA<br>Inactive |                |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B28 | 20          | 9460    | 783                | 22.99          | 23.01          | CA_2A-28A      |
| LTE B4                                        | 20          | QPSK       | 1      | 0         | 20175   | 1732.5             | 2175    | 2132.5             | LTE B28 | 20          | 9460    | 783                | 22.85          | 23.08          | CA_4A-28A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B25 | 20          | 8365    | 1962.5             | 22.72          | 22.73          | CA_5A-25A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B38 | 20          | 38000   | 2595               | 22.71          | 22.73          | CA_5A-38A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B41 | 20          | 40620   | 2593               | 22.69          | 22.73          | CA_5A-41A      |
| LTE B7                                        | 20          | QPSK       | 1      | 0         | 21100   | 2535               | 3100    | 2655               | LTE B28 | 20          | 9460    | 783                | 23.35          | 23.46          | CA_7A-28A      |
| LTE B7                                        | 20          | QPSK       | 1      | 0         | 21100   | 2535               | 3100    | 2655               | LTE B66 | 20          | 66985   | 2164.9             | 23.28          | 23.46          | CA_7A-66A      |
| LTE B12                                       | 10          | QPSK       | 1      | 0         | 23095   | 707.5              | 5095    | 737.5              | LTE B25 | 20          | 8365    | 1962.5             | 23.16          | 23.41          | CA_12A-25A     |
| LTE B38                                       | 20          | QPSK       | 1      | 0         | 38000   | 2595               | 38000   | 2595               | LTE B38 | 20          | 38099   | 2604.9             | 23.26          | 23.48          | CA_38C         |
| LTE B41                                       | 20          | QPSK       | 1      | 0         | 40620   | 2593               | 40620   | 2593               | LTE B42 | 20          | 42590   | 3500               | 23.11          | 23.41          | CA_41A-42A     |

| Two Component Carrier Maximum Couducted Power |          |            |        |           |         |                 |         |                 |         |          |         |                 |         |          |         |                 |                |             |                |
|-----------------------------------------------|----------|------------|--------|-----------|---------|-----------------|---------|-----------------|---------|----------|---------|-----------------|---------|----------|---------|-----------------|----------------|-------------|----------------|
| PCC                                           |          |            |        |           |         |                 | PCC DL  |                 | SCC     |          |         |                 | SCC     |          |         |                 | TX Power (dBm) |             | Configurations |
| Band                                          | BW (MHz) | Modulation | RB No. | RB offset | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Band    | BW (MHz) | Channel | Frequency (MHz) | Band    | BW (MHz) | Channel | Frequency (MHz) | CA Active      | CA Inactive |                |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B12 | 10       | 5155    | 743.5           | LTE B12 | 10       | 5155    | 743.5           | 23.01          | 23.01       | CA_2A-12A-12A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B12 | 10       | 5155    | 743.5           | LTE B66 | 20       | 66786   | 2145            | 23.01          | 23.01       | CA_2A-12A-66A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B12 | 10       | 5071    | 735.1           | LTE B12 | 10       | 5119    | 739.9           | 23.00          | 23.01       | CA_2A-12B      |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B13 | 10       | 5230    | 751             | LTE B66 | 20       | 66786   | 2145            | 23.00          | 23.01       | CA_2A-13A-66A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B14 | 10       | 5330    | 763             | LTE B66 | 20       | 66786   | 2145            | 23.01          | 23.01       | CA_2A-14A-66A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B29 | 10       | 9715    | 722.5           | LTE B66 | 20       | 66786   | 2145            | 22.98          | 23.01       | CA_2A-29A-66A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B12 | 10       | 5155    | 743.5           | 22.99          | 23.01       | CA_2A-2A-12A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B13 | 10       | 5230    | 751             | 22.99          | 23.01       | CA_2A-2A-13A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B14 | 10       | 5330    | 763             | 23.00          | 23.01       | CA_2A-2A-14A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B29 | 10       | 9715    | 722.5           | 23.00          | 23.01       | CA_2A-2A-29A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B4  | 20       | 2175    | 2132.5          | 23.01          | 23.01       | CA_2A-2A-4A    |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B5  | 10       | 2575    | 886.5           | 23.00          | 23.01       | CA_2A-2A-5A    |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B66 | 20       | 66786   | 2145            | 22.97          | 23.01       | CA_2A-2A-66A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 1100    | 1980            | LTE B71 | 20       | 68786   | 637             | 22.97          | 23.01       | CA_2A-2A-71A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18700   | 1860            | 700     | 1940            | LTE B4  | 20       | 2175    | 2132.5          | LTE B12 | 10       | 5155    | 743.5           | 22.91          | 22.93       | CA_2A-4A-12A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18700   | 1860            | 700     | 1940            | LTE B4  | 20       | 2175    | 2132.5          | LTE B13 | 10       | 5230    | 751             | 22.90          | 22.93       | CA_2A-4A-13A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18700   | 1860            | 700     | 1940            | LTE B4  | 20       | 2175    | 2132.5          | LTE B29 | 10       | 9715    | 722.5           | 22.90          | 22.93       | CA_2A-4A-29A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B4  | 20       | 2300    | 2145            | LTE B4  | 20       | 2300    | 2145            | 23.00          | 23.01       | CA_2A-4A-4A    |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B4  | 20       | 2175    | 2132.5          | LTE B5  | 10       | 2575    | 886.5           | 23.00          | 23.01       | CA_2A-4A-5A    |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18700   | 1860            | 700     | 1940            | LTE B4  | 20       | 2175    | 2132.5          | LTE B71 | 20       | 68786   | 637             | 22.91          | 22.93       | CA_2A-4A-71A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B5  | 10       | 2575    | 886.5           | LTE B66 | 20       | 66786   | 2145            | 23.01          | 23.01       | CA_2A-5A-66A   |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B5  | 10       | 2476    | 876.6           | LTE B5  | 10       | 2575    | 886.5           | 23.01          | 23.01       | CA_2A-5B       |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B66 | 20       | 66985   | 2164.9          | LTE B66 | 20       | 66985   | 2164.9          | 23.01          | 23.01       | CA_2A-66A-66A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B66 | 20       | 66985   | 2164.9          | LTE B71 | 20       | 68786   | 637             | 22.98          | 23.01       | CA_2A-66A-71A  |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B66 | 20       | 67056   | 2175            | LTE B66 | 20       | 67185   | 2184.9          | 22.98          | 23.01       | CA_2A-66B      |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B66 | 20       | 67038   | 2170.2          | LTE B66 | 20       | 67236   | 2190            | 23.00          | 23.01       | CA_2A-66C      |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B7  | 20       | 2850    | 2630            | LTE B7  | 20       | 3350    | 2680            | 23.00          | 23.01       | CA_2A-7C       |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 801     | 1950.1          | LTE B12 | 10       | 5155    | 743.5           | 22.95          | 23.01       | CA_2C-12A      |
| LTE B2                                        | 20       | QPSK       | 1      | 0         | 18900   | 1880            | 900     | 1960            | LTE B2  | 20       | 801     | 1950.1          | LTE B29 | 10       | 9715    | 722.5           | 22.94          | 23.01       | CA_2C-29A      |

|         |    |      |   |   |       |        |      |        |         |    |       |        |         |    |       |        |       |       |                |
|---------|----|------|---|---|-------|--------|------|--------|---------|----|-------|--------|---------|----|-------|--------|-------|-------|----------------|
| LTE B2  | 20 | QPSK | 1 | 0 | 18900 | 1880   | 900  | 1960   | LTE B2  | 20 | 801   | 1950.1 | LTE B66 | 20 | 66985 | 2164.9 | 22.93 | 23.01 | CA_2C-66A      |
| LTE B2  | 20 | QPSK | 1 | 0 | 18900 | 1880   | 900  | 1960   | LTE B2  | 20 | 801   | 1950.1 | LTE B5  | 10 | 2575  | 886.5  | 22.99 | 23.01 | CA_2C-5A       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B12 | 10 | 5155  | 743.5  | LTE B12 | 10 | 5155  | 743.5  | 23.05 | 23.08 | CA_4A-12A-12A  |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B12 | 10 | 5048  | 732.8  | LTE B12 | 10 | 5120  | 740    | 23.05 | 23.08 | CA_4A-12B      |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B12 | 10 | 5155  | 743.5  | 23.06 | 23.08 | CA_4A-4A-12A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B13 | 10 | 5230  | 751    | 23.06 | 23.08 | CA_4A-4A-13A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B29 | 10 | 9715  | 722.5  | 23.00 | 23.08 | CA_4A-4A-29A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B5  | 10 | 2525  | 881.5  | 23.00 | 23.08 | CA_4A-4A-5A    |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B71 | 20 | 68786 | 637    | 23.01 | 23.08 | CA_4A-4A-71A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B5  | 10 | 2476  | 876.6  | LTE B5  | 10 | 2575  | 886.5  | 23.05 | 23.08 | CA_4A-5B       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B7  | 20 | 2850  | 2630   | LTE B7  | 20 | 3350  | 2680   | 23.06 | 23.08 | CA_4A-7C       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B7  | 20 | 3100  | 2655   | LTE B12 | 10 | 5155  | 743.5  | 23.06 | 23.08 | CA_4A-7A-12A   |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B40 | 10 | 38700 | 2305   | LTE B40 | 10 | 39600 | 2395   | 22.70 | 22.73 | CA_5A-40A-40A  |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B40 | 10 | 39065 | 2340.6 | LTE B40 | 10 | 39200 | 2355   | 22.69 | 22.73 | CA_5A-40C      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B5  | 10 | 2575  | 886.5  | LTE B66 | 20 | 66786 | 2145   | 22.65 | 22.73 | CA_5A-5A-66A   |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 22.64 | 22.73 | CA_5A-66A-66A  |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 22.65 | 22.73 | CA_5A-66B      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 22.65 | 22.73 | CA_5A-66C      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B7  | 20 | 2850  | 2630   | LTE B7  | 20 | 3350  | 2680   | 22.71 | 22.73 | CA_5A-7A-7A    |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B7  | 20 | 3001  | 2645.1 | LTE B7  | 20 | 3199  | 2664.9 | 22.72 | 22.73 | CA_5A-7C       |
| LTE B5  | 10 | QPSK | 1 | 0 | 20450 | 829    | 2450 | 874    | LTE B5  | 10 | 2476  | 876.6  | LTE B66 | 20 | 66786 | 2145   | 22.42 | 22.43 | CA_5B-66A      |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3169  | 2661.9 | LTE B28 | 20 | 9460  | 783    | 23.42 | 23.46 | CA_7B-28A      |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3350  | 2680   | LTE B8  | 10 | 3625  | 942.5  | 23.42 | 23.46 | CA_7A-7A-8A    |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B20 | 20 | 6300  | 806    | LTE B42 | 20 | 42590 | 3500   | 23.41 | 23.46 | CA_7A-20A-42A  |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3199  | 2664.9 | LTE B8  | 10 | 3625  | 942.5  | 23.40 | 23.46 | CA_7C-8A       |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3199  | 2664.9 | LTE B20 | 20 | 6300  | 806    | 23.38 | 23.46 | CA_7C-20A      |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 23.39 | 23.41 | CA_12A-66B     |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 23.35 | 23.41 | CA_12A-66C     |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 23.38 | 23.41 | CA_12A-66A-66A |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 23.11 | 23.17 | CA_13A-66A-66A |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 23.15 | 23.17 | CA_13A-66B     |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 23.09 | 23.17 | CA_13A-66C     |
| LTE B14 | 10 | QPSK | 1 | 0 | 23330 | 793    | 5330 | 763    | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 22.79 | 22.83 | CA_14A-66A-66A |
| LTE B25 | 10 | QPSK | 1 | 0 | 26365 | 1882.5 | 8365 | 1962.5 | LTE B25 | 10 | 8590  | 1985   | LTE B26 | 10 | 8865  | 876.5  | 23.11 | 23.21 | CA_25A-25A-26A |
| LTE B26 | 10 | QPSK | 1 | 0 | 26865 | 831.5  | 8865 | 876.5  | LTE B41 | 20 | 39750 | 2506   | LTE B41 | 20 | 41565 | 2687.5 | 23.20 | 23.26 | CA_26A-41A-41A |

|         |    |      |   |   |        |       |       |       |         |    |       |        |         |    |       |        |       |       |                |
|---------|----|------|---|---|--------|-------|-------|-------|---------|----|-------|--------|---------|----|-------|--------|-------|-------|----------------|
| LTE B26 | 10 | QPSK | 1 | 0 | 26865  | 831.5 | 8865  | 876.5 | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 23.19 | 23.26 | CA_26A-41C     |
| LTE B41 | 20 | QPSK | 1 | 0 | 40620  | 2593  | 40620 | 2593  | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 23.39 | 23.41 | CA_41A-41C     |
| LTE B41 | 20 | QPSK | 1 | 0 | 40620  | 2593  | 40620 | 2593  | LTE B42 | 20 | 42491 | 3490.1 | LTE B42 | 20 | 42689 | 3509.9 | 23.35 | 23.41 | CA_41A-42C     |
| LTE B42 | 20 | QPSK | 1 | 0 | 43340  | 3575  | 43340 | 3575  | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 23.21 | 23.28 | CA_41C-42A     |
| LTE B42 | 20 | QPSK | 1 | 0 | 43340  | 3575  | 43340 | 3575  | LTE B42 | 20 | 42491 | 3490.1 | LTE B42 | 20 | 42689 | 3509.9 | 23.21 | 23.28 | CA_42D         |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 66786 | 2145   | LTE B71 | 20 | 68786 | 637    | 23.06 | 23.36 | CA_66A-66A-71A |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 23.11 | 23.36 | CA_66A-66B     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 23.33 | 23.36 | CA_66A-66C     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67038 | 2170.2 | LTE B71 | 20 | 68786 | 637    | 23.32 | 23.36 | CA_66C-71A     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 66886 | 2155   | LTE B66 | 20 | 67084 | 2174.8 | 23.30 | 23.36 | CA_66D         |

## P-Sensor On

| Two Component Carrier Maximum Conducted Power |             |            |        |           |         |                    |         |                    |         |             |         |                    |                |                |                |
|-----------------------------------------------|-------------|------------|--------|-----------|---------|--------------------|---------|--------------------|---------|-------------|---------|--------------------|----------------|----------------|----------------|
| PCC                                           |             |            |        |           |         |                    | PCC DL  |                    | SCC     |             |         |                    | TX Power (dBm) |                | Configurations |
| Band                                          | BW<br>(MHz) | Modulation | RB No. | RB offset | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Band    | BW<br>(MHz) | Channel | Frequency<br>(MHz) | CA<br>Active   | CA<br>Inactive |                |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B28 | 20          | 9460    | 783                | 19.22          | 19.22          | CA_2A-28A      |
| LTE B4                                        | 20          | QPSK       | 1      | 0         | 20175   | 1732.5             | 2175    | 2132.5             | LTE B28 | 20          | 9460    | 783                | 17.91          | 17.94          | CA_4A-28A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B25 | 20          | 8365    | 1962.5             | 20.10          | 20.14          | CA_5A-25A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B38 | 20          | 38000   | 2595               | 20.14          | 20.14          | CA_5A-38A      |
| LTE B5                                        | 10          | QPSK       | 1      | 0         | 20525   | 836.5              | 2525    | 881.5              | LTE B41 | 20          | 40620   | 2593               | 20.11          | 20.14          | CA_5A-41A      |
| LTE B7                                        | 20          | QPSK       | 1      | 0         | 21100   | 2535               | 3100    | 2655               | LTE B28 | 20          | 9460    | 783                | 19.59          | 19.61          | CA_7A-28A      |
| LTE B7                                        | 20          | QPSK       | 1      | 0         | 21100   | 2535               | 3100    | 2655               | LTE B66 | 20          | 66985   | 2164.9             | 19.60          | 19.61          | CA_7A-66A      |
| LTE B12                                       | 10          | QPSK       | 1      | 0         | 23095   | 707.5              | 5095    | 737.5              | LTE B25 | 20          | 8365    | 1962.5             | 20.40          | 20.43          | CA_12A-25A     |
| LTE B41                                       | 20          | QPSK       | 1      | 0         | 40620   | 2593               | 40620   | 2593               | LTE B42 | 20          | 42590   | 3500               | 21.66          | 21.68          | CA_41A-42A     |

| Two Component Carrier Maximum Couducted Power |             |            |        |           |         |                    |         |                    |         |             |         |                    |         |             |         |                    |                |                |                |
|-----------------------------------------------|-------------|------------|--------|-----------|---------|--------------------|---------|--------------------|---------|-------------|---------|--------------------|---------|-------------|---------|--------------------|----------------|----------------|----------------|
| PCC                                           |             |            |        |           |         |                    | PCC DL  |                    | SCC     |             |         |                    | SCC     |             |         |                    | TX Power (dBm) |                | Configurations |
| Band                                          | BW<br>(MHz) | Modulation | RB No. | RB offset | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Band    | BW<br>(MHz) | Channel | Frequency<br>(MHz) | Band    | BW<br>(MHz) | Channel | Frequency<br>(MHz) | CA<br>Active   | CA<br>Inactive |                |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B12 | 10          | 5155    | 743.5              | LTE B12 | 10          | 5155    | 743.5              | 19.21          | 19.22          | CA_2A-12A-12A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B12 | 10          | 5155    | 743.5              | LTE B66 | 20          | 66786   | 2145               | 19.20          | 19.22          | CA_2A-12A-66A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B12 | 10          | 5071    | 735.1              | LTE B12 | 10          | 5119    | 739.9              | 19.19          | 19.22          | CA_2A-12B      |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B13 | 10          | 5230    | 751                | LTE B66 | 20          | 66786   | 2145               | 19.19          | 19.22          | CA_2A-13A-66A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B14 | 10          | 5330    | 763                | LTE B66 | 20          | 66786   | 2145               | 19.18          | 19.22          | CA_2A-14A-66A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B29 | 10          | 9715    | 722.5              | LTE B66 | 20          | 66786   | 2145               | 19.17          | 19.22          | CA_2A-29A-66A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B12 | 10          | 5155    | 743.5              | 19.21          | 19.22          | CA_2A-2A-12A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B13 | 10          | 5230    | 751                | 19.22          | 19.22          | CA_2A-2A-13A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B14 | 10          | 5330    | 763                | 19.22          | 19.22          | CA_2A-2A-14A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B29 | 10          | 9715    | 722.5              | 19.21          | 19.22          | CA_2A-2A-29A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B4  | 20          | 2175    | 2132.5             | 19.19          | 19.22          | CA_2A-2A-4A    |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B5  | 10          | 2575    | 886.5              | 19.19          | 19.22          | CA_2A-2A-5A    |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B66 | 20          | 66786   | 2145               | 19.18          | 19.22          | CA_2A-2A-66A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 1100    | 1980               | LTE B71 | 20          | 68786   | 637                | 19.18          | 19.22          | CA_2A-2A-71A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2175    | 2132.5             | LTE B12 | 10          | 5155    | 743.5              | 19.17          | 19.22          | CA_2A-4A-12A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2175    | 2132.5             | LTE B13 | 10          | 5230    | 751                | 19.15          | 19.22          | CA_2A-4A-13A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2175    | 2132.5             | LTE B29 | 10          | 9715    | 722.5              | 19.14          | 19.22          | CA_2A-4A-29A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2300    | 2145               | LTE B4  | 20          | 2300    | 2145               | 19.11          | 19.22          | CA_2A-4A-4A    |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2175    | 2132.5             | LTE B5  | 10          | 2575    | 886.5              | 19.12          | 19.22          | CA_2A-4A-5A    |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B4  | 20          | 2175    | 2132.5             | LTE B71 | 20          | 68786   | 637                | 19.12          | 19.22          | CA_2A-4A-71A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B5  | 10          | 2575    | 886.5              | LTE B66 | 20          | 66786   | 2145               | 19.14          | 19.22          | CA_2A-5A-66A   |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B5  | 10          | 2476    | 876.6              | LTE B5  | 10          | 2575    | 886.5              | 19.20          | 19.22          | CA_2A-5B       |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B66 | 20          | 66985   | 2164.9             | LTE B66 | 20          | 66985   | 2164.9             | 19.21          | 19.22          | CA_2A-66A-66A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B66 | 20          | 66985   | 2164.9             | LTE B71 | 20          | 68786   | 637                | 19.21          | 19.22          | CA_2A-66A-71A  |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B66 | 20          | 67056   | 2175               | LTE B66 | 20          | 67185   | 2184.9             | 19.18          | 19.22          | CA_2A-66B      |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B66 | 20          | 67038   | 2170.2             | LTE B66 | 20          | 67236   | 2190               | 19.18          | 19.22          | CA_2A-66C      |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B7  | 20          | 2850    | 2630               | LTE B7  | 20          | 3350    | 2680               | 19.19          | 19.22          | CA_2A-7C       |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 801     | 1950.1             | LTE B12 | 10          | 5155    | 743.5              | 19.20          | 19.22          | CA_2C-12A      |
| LTE B2                                        | 20          | QPSK       | 1      | 0         | 18900   | 1880               | 900     | 1960               | LTE B2  | 20          | 801     | 1950.1             | LTE B29 | 10          | 9715    | 722.5              | 19.20          | 19.22          | CA_2C-29A      |

|         |    |      |   |   |       |        |      |        |         |    |       |        |         |    |       |        |       |       |                |
|---------|----|------|---|---|-------|--------|------|--------|---------|----|-------|--------|---------|----|-------|--------|-------|-------|----------------|
| LTE B2  | 20 | QPSK | 1 | 0 | 18900 | 1880   | 900  | 1960   | LTE B2  | 20 | 801   | 1950.1 | LTE B66 | 20 | 66985 | 2164.9 | 19.18 | 19.22 | CA_2C-66A      |
| LTE B2  | 20 | QPSK | 1 | 0 | 18900 | 1880   | 900  | 1960   | LTE B2  | 20 | 801   | 1950.1 | LTE B5  | 10 | 2575  | 886.5  | 19.17 | 19.22 | CA_2C-5A       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B12 | 10 | 5155  | 743.5  | LTE B12 | 10 | 5155  | 743.5  | 17.91 | 17.94 | CA_4A-12A-12A  |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B12 | 10 | 5048  | 732.8  | LTE B12 | 10 | 5120  | 740    | 17.90 | 17.94 | CA_4A-12B      |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B12 | 10 | 5155  | 743.5  | 17.91 | 17.94 | CA_4A-4A-12A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B13 | 10 | 5230  | 751    | 17.92 | 17.94 | CA_4A-4A-13A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B29 | 10 | 9715  | 722.5  | 17.93 | 17.94 | CA_4A-4A-29A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B5  | 10 | 2525  | 881.5  | 17.91 | 17.94 | CA_4A-4A-5A    |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B4  | 20 | 2300  | 2145   | LTE B71 | 20 | 68786 | 637    | 17.91 | 17.94 | CA_4A-4A-71A   |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B5  | 10 | 2476  | 876.6  | LTE B5  | 10 | 2575  | 886.5  | 17.90 | 17.94 | CA_4A-5B       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B7  | 20 | 2850  | 2630   | LTE B7  | 20 | 3350  | 2680   | 17.90 | 17.94 | CA_4A-7C       |
| LTE B4  | 20 | QPSK | 1 | 0 | 20175 | 1732.5 | 2175 | 2132.5 | LTE B7  | 20 | 3100  | 2655   | LTE B12 | 10 | 5155  | 743.5  | 17.92 | 17.94 | CA_4A-7A-12A   |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B40 | 10 | 38700 | 2305   | LTE B40 | 10 | 39600 | 2395   | 20.10 | 20.14 | CA_5A-40A-40A  |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B40 | 10 | 39065 | 2340.6 | LTE B40 | 10 | 39200 | 2355   | 20.12 | 20.14 | CA_5A-40C      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B5  | 10 | 2575  | 886.5  | LTE B66 | 20 | 66786 | 2145   | 20.12 | 20.14 | CA_5A-5A-66A   |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 20.13 | 20.14 | CA_5A-66A-66A  |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 20.14 | 20.14 | CA_5A-66B      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 20.10 | 20.14 | CA_5A-66C      |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B7  | 20 | 2850  | 2630   | LTE B7  | 20 | 3350  | 2680   | 20.11 | 20.14 | CA_5A-7A-7A    |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B7  | 20 | 3001  | 2645.1 | LTE B7  | 20 | 3199  | 2664.9 | 20.14 | 20.14 | CA_5A-7C       |
| LTE B5  | 10 | QPSK | 1 | 0 | 20525 | 836.5  | 2525 | 881.5  | LTE B5  | 10 | 2476  | 876.6  | LTE B66 | 20 | 66786 | 2145   | 20.12 | 20.14 | CA_5B-66A      |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3169  | 2661.9 | LTE B28 | 20 | 9460  | 783    | 19.59 | 19.61 | CA_7B-28A      |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3350  | 2680   | LTE B8  | 10 | 3625  | 942.5  | 19.60 | 19.61 | CA_7A-7A-8A    |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B20 | 20 | 6300  | 806    | LTE B42 | 20 | 42590 | 3500   | 19.60 | 19.61 | CA_7A-20A-42A  |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3199  | 2664.9 | LTE B8  | 10 | 3625  | 942.5  | 19.59 | 19.61 | CA_7C-8A       |
| LTE B7  | 20 | QPSK | 1 | 0 | 21100 | 2535   | 3100 | 2655   | LTE B7  | 20 | 3199  | 2664.9 | LTE B20 | 20 | 6300  | 806    | 19.59 | 19.61 | CA_7C-20A      |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 20.40 | 20.43 | CA_12A-66B     |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 20.40 | 20.43 | CA_12A-66C     |
| LTE B12 | 10 | QPSK | 1 | 0 | 23095 | 707.5  | 5095 | 737.5  | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 20.42 | 20.43 | CA_12A-66A-66A |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 20.20 | 20.21 | CA_13A-66A-66A |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 20.19 | 20.21 | CA_13A-66B     |
| LTE B13 | 10 | QPSK | 1 | 0 | 23230 | 782    | 5230 | 751    | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 20.20 | 20.21 | CA_13A-66C     |
| LTE B14 | 10 | QPSK | 1 | 0 | 23330 | 793    | 5330 | 763    | LTE B66 | 20 | 66786 | 2145   | LTE B66 | 20 | 66786 | 2145   | 19.88 | 19.89 | CA_14A-66A-66A |
| LTE B25 | 10 | QPSK | 1 | 0 | 26365 | 1882.5 | 8365 | 1962.5 | LTE B25 | 10 | 8590  | 1985   | LTE B26 | 10 | 8865  | 876.5  | 19.45 | 19.46 | CA_25A-25A-26A |
| LTE B26 | 10 | QPSK | 1 | 0 | 26865 | 831.5  | 8865 | 876.5  | LTE B41 | 20 | 39750 | 2506   | LTE B41 | 20 | 41565 | 2687.5 | 20.38 | 20.39 | CA_26A-41A-41A |

|         |    |      |   |   |        |       |       |       |         |    |       |        |         |    |       |        |       |       |                |
|---------|----|------|---|---|--------|-------|-------|-------|---------|----|-------|--------|---------|----|-------|--------|-------|-------|----------------|
| LTE B26 | 10 | QPSK | 1 | 0 | 26865  | 831.5 | 8865  | 876.5 | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 20.39 | 20.39 | CA_26A-41C     |
| LTE B41 | 20 | QPSK | 1 | 0 | 40620  | 2593  | 40620 | 2593  | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 21.65 | 21.68 | CA_41A-41C     |
| LTE B41 | 20 | QPSK | 1 | 0 | 40620  | 2593  | 40620 | 2593  | LTE B42 | 20 | 42491 | 3490.1 | LTE B42 | 20 | 42689 | 3509.9 | 21.66 | 21.68 | CA_41A-42C     |
| LTE B42 | 20 | QPSK | 1 | 0 | 42590  | 3500  | 42590 | 3500  | LTE B41 | 20 | 40521 | 2583.1 | LTE B41 | 20 | 40719 | 2602.9 | 21.33 | 21.35 | CA_41C-42A     |
| LTE B42 | 20 | QPSK | 1 | 0 | 42590  | 3500  | 42590 | 3500  | LTE B42 | 20 | 41888 | 3429.8 | LTE B42 | 20 | 42086 | 3449.6 | 21.35 | 21.35 | CA_42D         |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 66786 | 2145   | LTE B71 | 20 | 68786 | 637    | 18.32 | 18.35 | CA_66A-66A-71A |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67056 | 2175   | LTE B66 | 20 | 67185 | 2184.9 | 18.32 | 18.35 | CA_66A-66B     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67038 | 2170.2 | LTE B66 | 20 | 67236 | 2190   | 18.31 | 18.35 | CA_66A-66C     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 67038 | 2170.2 | LTE B71 | 20 | 68786 | 637    | 18.34 | 18.35 | CA_66C-71A     |
| LTE B66 | 20 | QPSK | 1 | 0 | 132072 | 1720  | 66536 | 2120  | LTE B66 | 20 | 66886 | 2155   | LTE B66 | 20 | 67084 | 2174.8 | 18.33 | 18.35 | CA_66D         |

## 9. Proximity Sensor

### 9.1 Proximity sensor triggering distances

According to the KDB 616217 Section 6.2, The following procedures should be applied to determine proximity sensor triggering distances for the back surface and individual edges of a tablet.

- a) The relevant transmitter should be set to operate at its normal maximum output power.
- b) The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue-equivalent medium, and positioned at least 20 mm further than the distance that triggers power reduction.
- c) It should be ensured that the cables required for power measurements are not interfering with the proximity sensor. Cable losses should be properly compensated to report the measured power results.
- d) The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.
- e) The back surface or edge is then moved back (further away) from the phantom by at least 5 mm or until maximum output power is returned to the normal maximum level.
- f) The back surface or edge is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom. If 1 mm resolution is not suitable for the sensor triggering sensitivity, a KDB inquiry should be submitted to determine alternative test configurations.
- g) If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.
- h) The process is then reversed by moving the tablet away from the phantom according to steps d) to g), to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.
- i) The measured output power within 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom should be tabulated in the SAR report.
- j) If the sensor design and implementation allow additional variations for triggering distance tolerances, multiple samples should be tested to determine the most conservative distance required for SAR evaluation.
- k) 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 movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

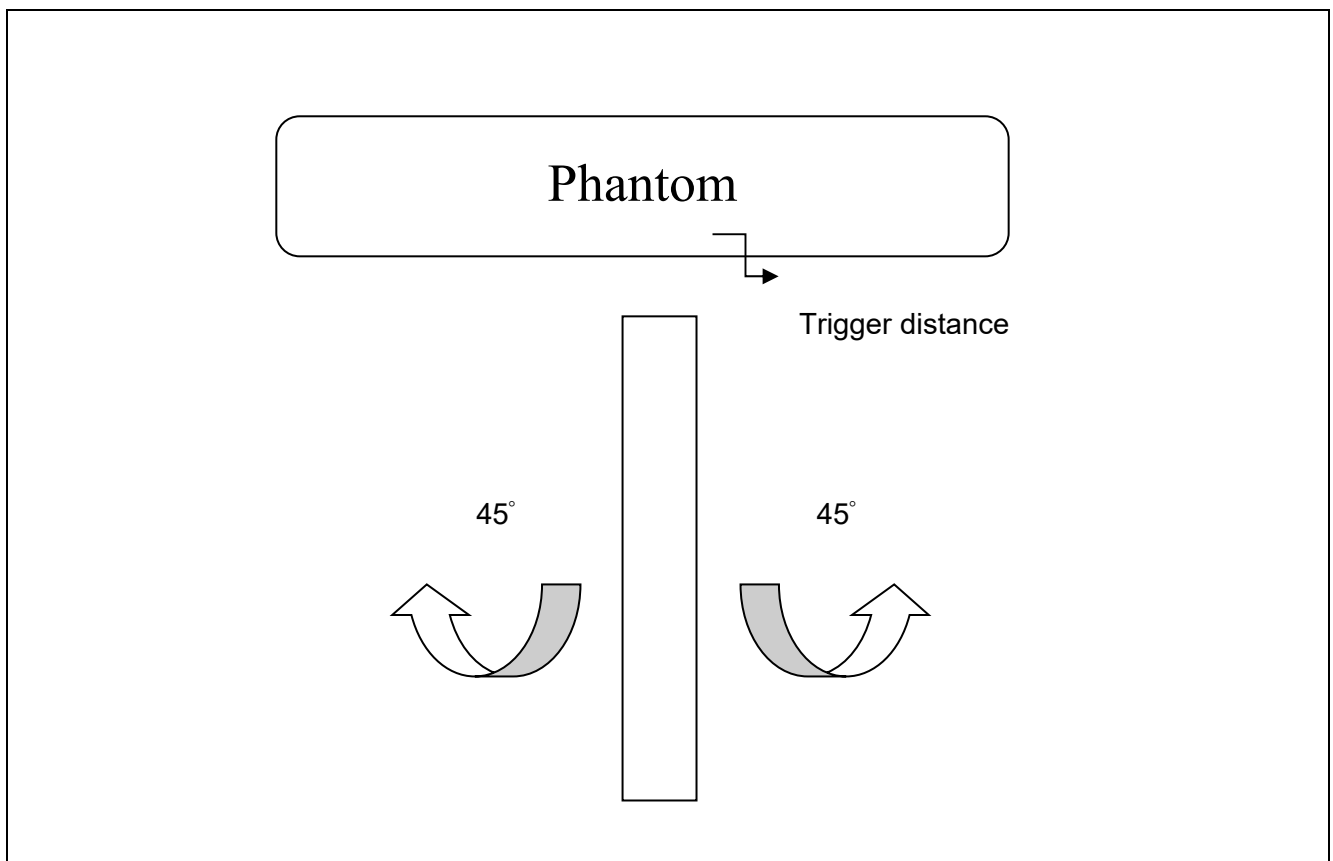
## 9.2 Procedures for determining antenna and proximity sensor coverage

Proximity sensors are not normally designed to cover the entire back surface or edges of a tablet. The sensing regions are usually limited to areas near the sensor element. The following are used to determine if additional SAR measurements may be necessary due to sensor and antenna offset.

- a) The back surface or edge of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset. For the back surface, if the direction of maximum offset is not aligned with the tablet coordinates (physical edges) the tablet test position would not be aligned with the phantom coordinates (orientations). Each applicable tablet edge should be positioned perpendicularly to the phantom to determine sensor coverage. For antennas and/or sensors located near the corner of a tablet, both adjacent edges must be considered.
- b) The similar sequence of steps applied to determine sensor triggering distance in 6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.
- c) After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.
- d) The process is then repeated from the opposite direction, starting at the other end of the maximum antenna and sensor offset, by rotating the tablet 180 along the vertical axis.
- e) The triggering points should be documented graphically, with the antenna and sensor clearly identified, along with all relevant dimensions.
- f) If the subsequently measured peak SAR location for the antenna is not between the triggering points, established by the sensor coverage tests from opposite ends of the antenna and sensor, additional SAR tests may be required for conditions where only part of the back surface or edge of a tablet corresponding to the antenna is in proximity to the user and the sensor may not be triggering as desired. A KDB inquiry must be submitted by the test lab to determine if additional tests are required and the proper test configurations to use for testing. This may include situations where the sensor coverage region is too small for the antenna, the sensor is located too far away from the antenna, the sensor location is insufficient to cover multiple antennas or the antenna is at the corner of a tablet etc.

### 9.3 Procedures for determining tablet tilt angle influences to proximity sensor triggering

- a) The influence of table tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in 9.1 and 9.2 by rotating the tablet around the edge next to the phantom in  $\leq 10^\circ$  increments until the tablet is  $45^\circ$  or more from the vertical position at  $0^\circ$ .
- b) If sensor triggering is released and normal maximum output power is restored within the  $45^\circ$  range, the procedures in step a) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.
- c) The smallest separation distance determined in steps a) and b), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in 9.1, 9.2 and 9.3 for each triggering condition minus 1 mm should be used in the SAR measurements.



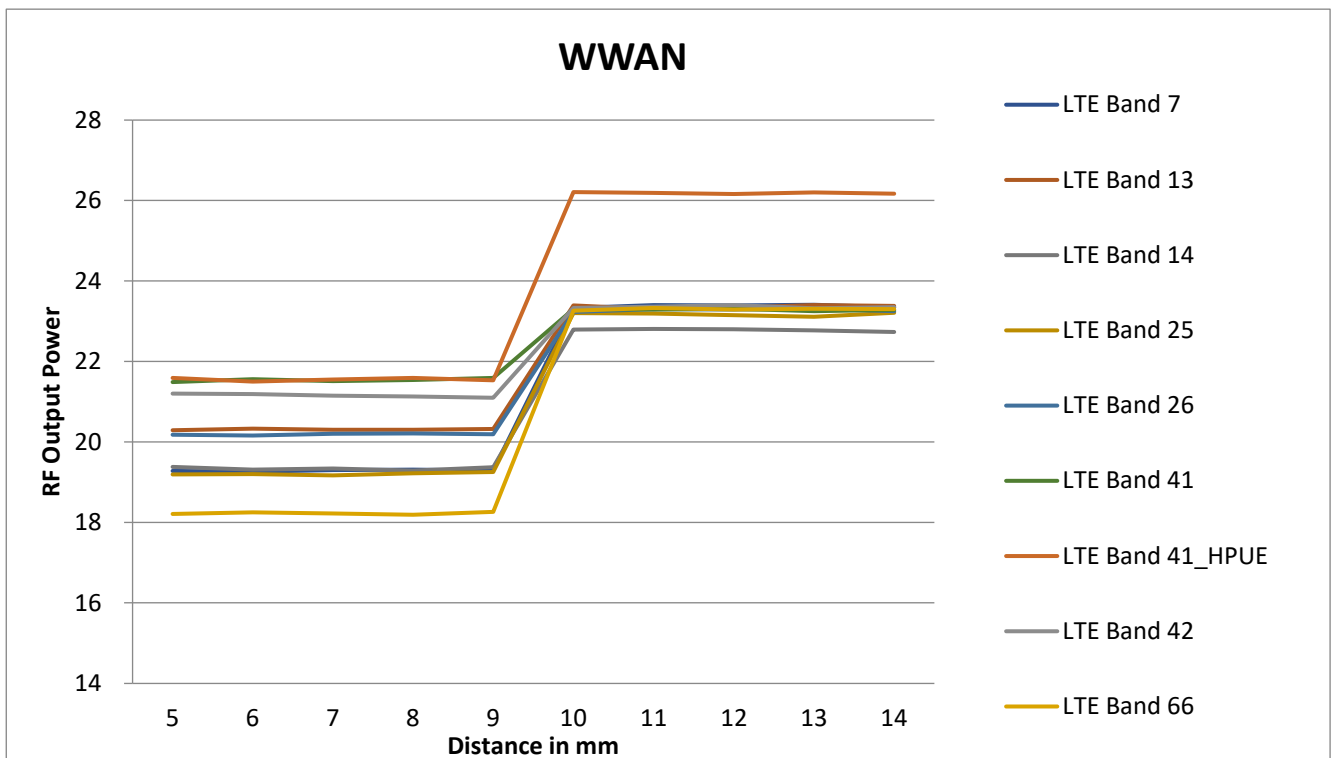
## 9.4 Summary of trigger distance

| Mode | Back                  |                     |
|------|-----------------------|---------------------|
|      | Moving toward phantom | Moving from phantom |
| WWAN | 9mm                   | 11mm                |

Note: The smallest separation distance determined in each triggering condition minus 1 mm should be used in the SAR measurements.

Back, DUT Moving Toward (Trigger) and Away (Release) from the phantom

| Distance to DUT vs. Output Power in dBm |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Distance (mm)                           | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| LTE Band 7                              | 19.28 | 19.26 | 19.30 | 19.31 | 19.29 | 23.33 | 23.40 | 23.39 | 23.41 | 23.35 |
| LTE Band 13                             | 20.29 | 20.33 | 20.30 | 20.30 | 20.32 | 23.39 | 23.30 | 23.34 | 23.40 | 23.38 |
| LTE Band 14                             | 19.38 | 19.31 | 19.34 | 19.29 | 19.37 | 22.79 | 22.81 | 22.80 | 22.77 | 22.73 |
| LTE Band 25                             | 19.19 | 19.20 | 19.17 | 19.22 | 19.25 | 23.20 | 23.19 | 23.15 | 23.11 | 23.21 |
| LTE Band 26                             | 20.18 | 20.16 | 20.20 | 20.21 | 20.19 | 23.23 | 23.30 | 23.29 | 23.31 | 23.25 |
| LTE Band 41                             | 21.49 | 21.56 | 21.51 | 21.54 | 21.59 | 23.30 | 23.29 | 23.31 | 23.25 | 23.28 |
| LTE Band 41_HPUE                        | 21.59 | 21.50 | 21.55 | 21.59 | 21.53 | 26.21 | 26.19 | 26.16 | 26.20 | 26.17 |
| LTE Band 42                             | 21.20 | 21.19 | 21.15 | 21.13 | 21.10 | 23.33 | 23.36 | 23.40 | 23.32 | 23.35 |
| LTE Band 66                             | 18.21 | 18.25 | 18.22 | 18.19 | 18.26 | 23.26 | 23.33 | 23.29 | 23.31 | 23.30 |

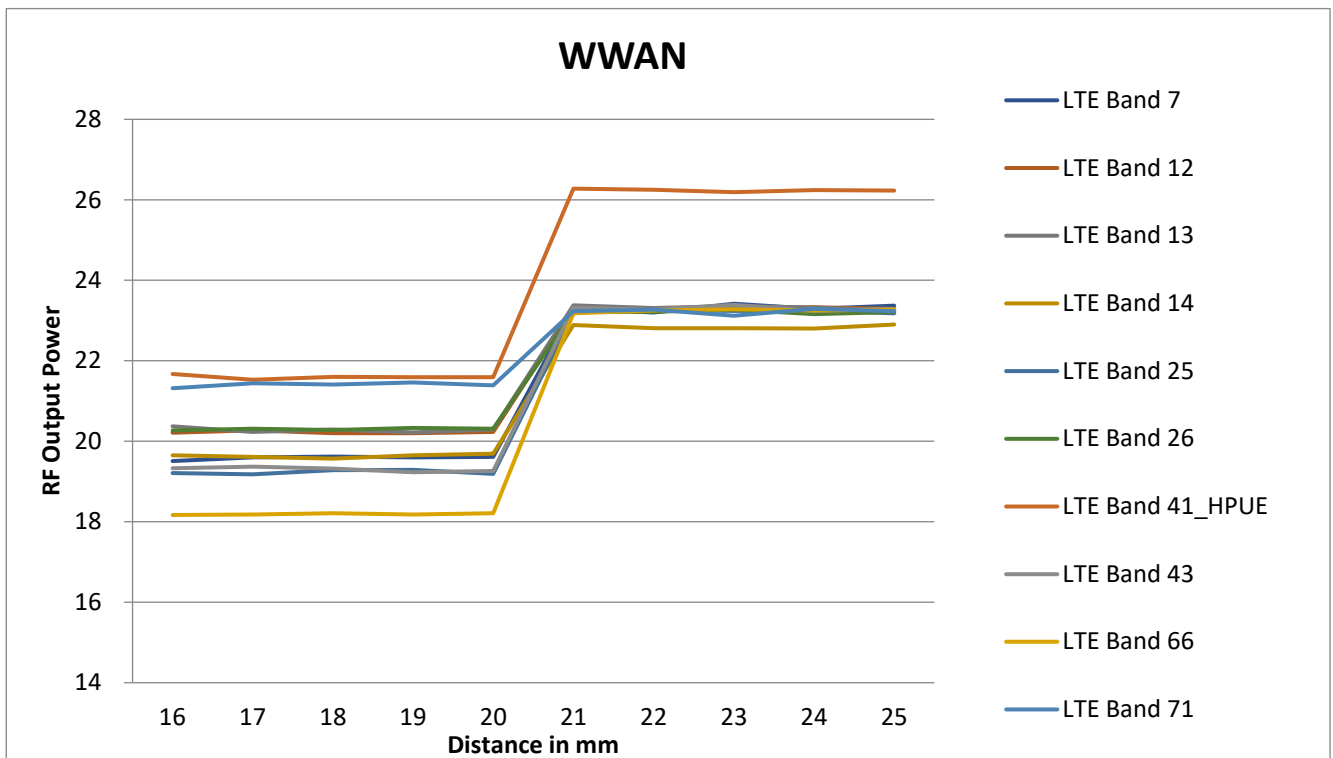


| Mode | Top                   |                     |
|------|-----------------------|---------------------|
|      | Moving toward phantom | Moving from phantom |
| WWAN | 20mm                  | 22mm                |

Note: The smallest separation distance determined in each triggering condition minus 1 mm should be used in the SAR measurements.

Top, DUT Moving Toward (Trigger) and Away (Release) from the phantom

| Distance to DUT vs. Output Power in dBm |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Distance (mm)                           | 16    | 17    | 18    | 19    | 20    | 21    | 22    | 23    | 24    | 25    |
| LTE Band 7                              | 19.51 | 19.60 | 19.62 | 19.60 | 19.61 | 23.30 | 23.20 | 23.42 | 23.29 | 23.37 |
| LTE Band 12                             | 20.21 | 20.27 | 20.20 | 20.20 | 20.23 | 23.31 | 23.28 | 23.30 | 23.33 | 23.29 |
| LTE Band 13                             | 20.37 | 20.23 | 20.29 | 20.22 | 20.29 | 23.38 | 23.31 | 23.36 | 23.32 | 23.25 |
| LTE Band 14                             | 19.65 | 19.61 | 19.57 | 19.65 | 19.69 | 22.89 | 22.81 | 22.81 | 22.80 | 22.90 |
| LTE Band 25                             | 19.21 | 19.18 | 19.28 | 19.29 | 19.19 | 23.20 | 23.26 | 23.24 | 23.25 | 23.18 |
| LTE Band 26                             | 20.27 | 20.31 | 20.28 | 20.33 | 20.31 | 23.21 | 23.22 | 23.27 | 23.16 | 23.21 |
| LTE Band 41_HPUE                        | 21.67 | 21.53 | 21.60 | 21.59 | 21.59 | 26.28 | 26.25 | 26.19 | 26.24 | 26.23 |
| LTE Band 43                             | 19.33 | 19.37 | 19.32 | 19.23 | 19.26 | 23.32 | 23.27 | 23.39 | 23.24 | 23.29 |
| LTE Band 66                             | 18.17 | 18.18 | 18.21 | 18.18 | 18.21 | 23.18 | 23.25 | 23.28 | 23.25 | 23.27 |
| LTE Band 71                             | 21.32 | 21.44 | 21.41 | 21.46 | 21.39 | 23.23 | 23.27 | 23.12 | 23.29 | 23.23 |



## 10. Test Results

### 10.1 Test Results Summary

| SAR MEASUREMENT                           |            |           |      |                       |                            |              |            |           |          |
|-------------------------------------------|------------|-----------|------|-----------------------|----------------------------|--------------|------------|-----------|----------|
| Ambient Temperature (°C): 23.1±2          |            |           |      |                       | Relative Humidity (%): 56% |              |            |           |          |
| Liquid Temperature (°C): 22.1±2           |            |           |      |                       | Depth of Liquid (cm): >15  |              |            |           |          |
| Test Position                             | Dist. (mm) | Frequency |      | Conducted Power (dBm) |                            | Duty Cycle % | SAR (W/kg) |           | Plot No. |
|                                           |            | Ch.       | MHz  | Meas.                 | Tune-Up Limit              |              | Meas-1g    | Scaled-1g |          |
| Test Mode: WLAN2.4GHz_802.11b-1M_Ant Main |            |           |      |                       |                            |              |            |           |          |
| Back                                      | 0          | 6         | 2437 | 13.97                 | 14.5                       | 99           | 0.083      | 0.094     |          |
| Right-side                                | 0          | 1         | 2412 | 13.94                 | 14.5                       | 99           | 0.603      | 0.693     |          |
| Right-side                                | 0          | 6         | 2437 | 13.97                 | 14.5                       | 99           | 0.585      | 0.668     |          |
| Right-side                                | 0          | 11        | 2462 | 13.95                 | 14.5                       | 99           | 0.643      | 0.737     |          |
| Test Mode: WLAN2.4GHz_802.11b-1M_Ant Aux  |            |           |      |                       |                            |              |            |           |          |
| Back                                      | 0          | 6         | 2437 | 13.96                 | 14.5                       | 99           | 0.690      | 0.789     |          |
| Bottom                                    | 0          | 1         | 2412 | 13.84                 | 14.5                       | 99           | 0.750      | 0.882     |          |
| Bottom                                    | 0          | 6         | 2437 | 13.96                 | 14.5                       | 99           | 0.880      | 1.006     |          |
| Bottom                                    | 0          | 11        | 2462 | 13.93                 | 14.5                       | 99           | 0.940      | 1.083     | 543      |
| Test Mode: Bluetooth_BT-1M_Ant Aux        |            |           |      |                       |                            |              |            |           |          |
| Back                                      | 0          | 39        | 2441 | 9.45                  | 10                         | 99           | 0.290      | 0.332     |          |
| Bottom                                    | 0          | 39        | 2441 | 9.45                  | 10                         | 99           | 0.348      | 0.399     | 505      |

Note:

- 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, SAR is not required.
- When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in that exposure configuration.

| SAR MEASUREMENT                              |            |           |      |                       |                            |              |            |           |          |
|----------------------------------------------|------------|-----------|------|-----------------------|----------------------------|--------------|------------|-----------|----------|
| Ambient Temperature (°C): 23±2               |            |           |      |                       | Relative Humidity (%): 55% |              |            |           |          |
| Liquid Temperature (°C): 22±2                |            |           |      |                       | Depth of Liquid (cm): >15  |              |            |           |          |
| Test Position                                | Dist. (mm) | Frequency |      | Conducted Power (dBm) |                            | Duty Cycle % | SAR (W/kg) |           | Plot No. |
|                                              |            | Ch.       | MHz  | Meas.                 | Tune-Up Limit              |              | Meas-1g    | Scaled-1g |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Main |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 58        | 5290 | 10.96                 | 11                         | 99           | 0.104      | 0.106     |          |
| Right-side                                   | 0          | 58        | 5290 | 10.96                 | 11                         | 99           | 0.764      | 0.779     |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Aux  |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 58        | 5290 | 10.83                 | 11                         | 99           | 1.110      | 1.166     | 507      |
| Bottom                                       | 0          | 58        | 5290 | 10.83                 | 11                         | 99           | 0.686      | 0.721     |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Main |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 106       | 5530 | 11.91                 | 12                         | 99           | 0.141      | 0.145     |          |
| Right-side                                   | 0          | 106       | 5530 | 11.91                 | 12                         | 99           | 1.010      | 1.041     |          |
| Right-side                                   | 0          | 122       | 5610 | 11.66                 | 12                         | 99           | 0.751      | 0.820     |          |
| Right-side                                   | 0          | 138       | 5690 | 11.86                 | 12                         | 99           | 0.826      | 0.862     |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Aux  |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 106       | 5530 | 11.86                 | 12                         | 99           | 1.040      | 1.085     | 508      |
| Back                                         | 0          | 122       | 5610 | 11.72                 | 12                         | 99           | 0.655      | 0.706     |          |
| Back                                         | 0          | 138       | 5690 | 11.84                 | 12                         | 99           | 0.696      | 0.729     |          |
| Bottom                                       | 0          | 106       | 5530 | 11.86                 | 12                         | 99           | 0.869      | 0.906     |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Main |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 155       | 5775 | 12.84                 | 13                         | 99           | 0.163      | 0.171     |          |
| Back                                         | 0          | 171       | 5855 | 12.86                 | 13                         | 99           | 0.121      | 0.126     |          |
| Right-side                                   | 0          | 155       | 5775 | 12.84                 | 13                         | 99           | 0.797      | 0.835     |          |
| Right-side                                   | 0          | 171       | 5855 | 12.86                 | 13                         | 99           | 0.579      | 0.604     |          |
| Test Mode: WLAN5GHz_802.11ac80-VHT0_Ant Aux  |            |           |      |                       |                            |              |            |           |          |
| Back                                         | 0          | 155       | 5775 | 12.73                 | 13                         | 99           | 0.906      | 0.974     | 509      |
| Back                                         | 0          | 171       | 5855 | 12.74                 | 13                         | 99           | 0.806      | 0.864     |          |
| Bottom                                       | 0          | 155       | 5775 | 12.73                 | 13                         | 99           | 0.900      | 0.967     |          |
| Bottom                                       | 0          | 171       | 5855 | 12.74                 | 13                         | 99           | 0.741      | 0.795     |          |

Note:

1. When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in that exposure configuration.
2. When multiple transmission modes have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.
3. When the reported SAR of the highest measured maximum U-NII-2A for the exposure configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band.

| SAR MEASUREMENT                               |            |           |      |                       |                            |              |            |              |            |          |
|-----------------------------------------------|------------|-----------|------|-----------------------|----------------------------|--------------|------------|--------------|------------|----------|
| Ambient Temperature (°C): 22.7±2              |            |           |      |                       | Relative Humidity (%): 56% |              |            |              |            |          |
| Liquid Temperature (°C): 21.7±2               |            |           |      |                       | Depth of Liquid (cm): >15  |              |            |              |            |          |
| Test Position                                 | Dist. (mm) | Frequency |      | Conducted Power (dBm) |                            | Duty Cycle % | SAR (W/kg) |              | APD (W/m²) | Plot No. |
|                                               |            | Ch.       | MHz  | Meas.                 | Tune-Up Limit              |              | Meas-1g    | Scaled-1g    | Meas-4cm²  |          |
| Test Mode: WLAN6GHz_802.11be320-EHT0_Ant Main |            |           |      |                       |                            |              |            |              |            |          |
| Back                                          | 0          | 127       | 6585 | 12.98                 | 13                         | 99           | 0.092      | 0.093        | 0.797      |          |
| Right-side                                    | 0          | 31        | 6105 | 12.91                 | 13                         | 99           | 0.505      | 0.521        | 4.260      |          |
| Right-side                                    | 0          | 63        | 6265 | 12.89                 | 13                         | 99           | 0.281      | 0.291        | 2.000      |          |
| Right-side                                    | 0          | 127       | 6585 | 12.98                 | 13                         | 99           | 0.657      | 0.667        | 4.330      |          |
| Right-side                                    | 0          | 159       | 6745 | 12.90                 | 13                         | 99           | 0.618      | 0.639        | 4.420      |          |
| Right-side                                    | 0          | 191       | 6905 | 12.96                 | 13                         | 99           | 0.755      | 0.770        | 5.490      |          |
| Test Mode: WLAN6GHz_802.11be320-EHT0_Ant Aux  |            |           |      |                       |                            |              |            |              |            |          |
| Back                                          | 0          | 31        | 6105 | 12.92                 | 13                         | 99           | 0.472      | 0.486        | 3.120      |          |
| Back                                          | 0          | 63        | 6265 | 12.91                 | 13                         | 99           | 0.474      | 0.489        | 3.130      |          |
| Back                                          | 0          | 127       | 6585 | 12.95                 | 13                         | 99           | 0.553      | 0.565        | 3.620      |          |
| Back                                          | 0          | 159       | 6745 | 12.89                 | 13                         | 99           | 0.629      | 0.652        | 4.280      |          |
| Back                                          | 0          | 191       | 6905 | 12.86                 | 13                         | 99           | 0.832      | <b>0.868</b> | 5.780      | 537      |
| Bottom                                        | 0          | 127       | 6585 | 12.95                 | 13                         | 99           | 0.530      | 0.541        | 3.050      |          |

Note:

- When multiple transmission modes have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.

| PD MEASUREMENT                                |            |           |      |                       |               |                            |             |                 |              |                            |          |
|-----------------------------------------------|------------|-----------|------|-----------------------|---------------|----------------------------|-------------|-----------------|--------------|----------------------------|----------|
| Ambient Temperature (°C): 22.3±2              |            |           |      |                       |               | Relative Humidity (%): 57% |             |                 |              |                            |          |
| Test Position                                 | Dist. (mm) | Frequency |      | Conducted Power (dBm) |               | psPDn+ (W/m²)              |             | psPDtot+ (W/m²) |              | Uncertainty                | Plot No. |
|                                               |            | Ch.       | MHz  | Meas.                 | Tune-Up Limit | Meas-4cm²                  | Scaled-4cm² | Meas-4cm²       | Scaled-4cm²  | Uncertainty Scaling Factor |          |
| Test Mode: WLAN6GHz_802.11be320-EHT0_Ant Main |            |           |      |                       |               |                            |             |                 |              |                            |          |
| Right-side                                    | 2          | 31        | 6105 | 12.91                 | 13            | 2.390                      | 3.820       | 3.280           | 5.242        | 1.550                      |          |
| Right-side                                    | 2          | 127       | 6585 | 12.98                 | 13            | 3.430                      | 5.394       | 3.710           | 5.835        | 1.550                      |          |
| Test Mode: WLAN6GHz_802.11be320-EHT0_Ant Aux  |            |           |      |                       |               |                            |             |                 |              |                            |          |
| Back                                          | 2          | 63        | 6265 | 12.91                 | 13            | 3.470                      | 5.546       | 3.660           | 5.850        | 1.550                      |          |
| Back                                          | 2          | 159       | 6745 | 12.89                 | 13            | 3.240                      | 5.202       | 3.690           | 5.925        | 1.550                      |          |
| Back                                          | 2          | 191       | 6905 | 12.86                 | 13            | 3.660                      | 5.917       | 4.020           | <b>6.499</b> | 1.550                      | 1        |

Note:

1. Per WLAN 6 GHz interim test procedure in Oct. 2020 TCBs Workshop notes. At least 5 channels for BW 160MHz should be tested.

| SAR MEASUREMENT                  |            |     |           |           |        |                       |                            |            |           |          |
|----------------------------------|------------|-----|-----------|-----------|--------|-----------------------|----------------------------|------------|-----------|----------|
| Ambient Temperature (°C): 22.8±2 |            |     |           |           |        |                       | Relative Humidity (%): 57% |            |           |          |
| Liquid Temperature (°C): 21.8±2  |            |     |           |           |        |                       | Depth of Liquid (cm): >15  |            |           |          |
| Test Position                    | Dist. (mm) | RB  | RB offset | Frequency |        | Conducted Power (dBm) |                            | SAR (W/kg) |           | Plot No. |
|                                  |            |     |           | Ch.       | MHz    | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g |          |
| Test Mode: LTE Band 7_20M_QPSK   |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 20850     | 2510   | 19.52                 | 20                         | 0.874      | 0.976     |          |
| Back                             | 0          | 1   | 0         | 21100     | 2535   | 19.61                 | 20                         | 0.982      | 1.074     | 9        |
| Back                             | 0          | 1   | 0         | 21350     | 2560   | 19.61                 | 20                         | 0.981      | 1.073     |          |
| Back                             | 0          | 50  | 0         | 20850     | 2510   | 19.47                 | 20                         | 0.877      | 0.991     |          |
| Back                             | 0          | 50  | 0         | 21100     | 2535   | 19.56                 | 20                         | 0.913      | 1.010     |          |
| Back                             | 0          | 50  | 0         | 21350     | 2560   | 19.52                 | 20                         | 0.863      | 0.964     |          |
| Back                             | 0          | 100 | 0         | 21100     | 2535   | 19.54                 | 20                         | 0.847      | 0.942     |          |
| Back                             | 8          | 1   | 0         | 21100     | 2535   | 23.46                 | 23.5                       | 0.501      | 0.506     |          |
| Back                             | 8          | 50  | 0         | 21100     | 2535   | 22.41                 | 22.5                       | 0.388      | 0.396     |          |
| Left-side                        | 0          | 1   | 0         | 21100     | 2535   | 23.46                 | 23.5                       | 0.669      | 0.675     |          |
| Top                              | 0          | 1   | 0         | 21100     | 2535   | 19.61                 | 20                         | 0.494      | 0.540     |          |
| Top                              | 19         | 1   | 0         | 21100     | 2535   | 23.46                 | 23.5                       | 0.307      | 0.310     |          |
| Test Mode: LTE Band 7C_20M_QPSK  |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 21001     | 2525.1 | 19.48                 | 20                         | 0.704      | 0.794     |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |            |    |           |           |       |                       |                            |            |              |          |
|----------------------------------|------------|----|-----------|-----------|-------|-----------------------|----------------------------|------------|--------------|----------|
| Ambient Temperature (°C): 22.7±2 |            |    |           |           |       |                       | Relative Humidity (%): 56% |            |              |          |
| Liquid Temperature (°C): 21.7±2  |            |    |           |           |       |                       | Depth of Liquid (cm): >15  |            |              |          |
| Test Position                    | Dist. (mm) | RB | RB offset | Frequency |       | Conducted Power (dBm) |                            | SAR (W/kg) |              | Plot No. |
|                                  |            |    |           | Ch.       | MHz   | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g    |          |
| Test Mode: LTE Band 12_10M_QPSK  |            |    |           |           |       |                       |                            |            |              |          |
| Back                             | 0          | 1  | 0         | 23060     | 704   | 23.35                 | 23.5                       | 0.730      | 0.756        |          |
| Back                             | 0          | 1  | 0         | 23095     | 707.5 | 23.41                 | 23.5                       | 0.863      | <b>0.881</b> | 13       |
| Back                             | 0          | 1  | 0         | 23130     | 711   | 23.38                 | 23.5                       | 0.821      | 0.844        |          |
| Back                             | 0          | 25 | 0         | 23095     | 707.5 | 22.42                 | 22.5                       | 0.680      | 0.693        |          |
| Back                             | 0          | 50 | 0         | 23095     | 707.5 | 21.40                 | 21.5                       | 0.668      | 0.684        |          |
| Left-side                        | 0          | 1  | 0         | 23095     | 707.5 | 23.41                 | 23.5                       | 0.064      | 0.066        |          |
| Top                              | 0          | 1  | 0         | 23095     | 707.5 | 20.43                 | 20.5                       | 0.555      | 0.564        |          |
| Top                              | 0          | 25 | 0         | 23095     | 707.5 | 20.28                 | 20.5                       | 0.544      | 0.572        |          |
| Top                              | 19         | 1  | 0         | 23095     | 707.5 | 23.41                 | 23.5                       | 0.108      | 0.110        |          |

## Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.
- LTE Band 17 (704-716 MHz) is covered by LTE Band 12 (699-716 MHz)

| SAR MEASUREMENT                  |            |    |           |           |     |                       |                            |            |              |          |
|----------------------------------|------------|----|-----------|-----------|-----|-----------------------|----------------------------|------------|--------------|----------|
| Ambient Temperature (°C): 22.7±2 |            |    |           |           |     |                       | Relative Humidity (%): 56% |            |              |          |
| Liquid Temperature (°C): 21.7±2  |            |    |           |           |     |                       | Depth of Liquid (cm): >15  |            |              |          |
| Test Position                    | Dist. (mm) | RB | RB offset | Frequency |     | Conducted Power (dBm) |                            | SAR (W/kg) |              | Plot No. |
|                                  |            |    |           | Ch.       | MHz | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g    |          |
| Test Mode: LTE Band 13_10M_QPSK  |            |    |           |           |     |                       |                            |            |              |          |
| Back                             | 0          | 1  | 0         | 23230     | 782 | 20.21                 | 20.5                       | 0.807      | <b>0.863</b> | 14       |
| Back                             | 0          | 25 | 0         | 23230     | 782 | 20.16                 | 20.5                       | 0.787      | 0.851        |          |
| Back                             | 0          | 50 | 0         | 23230     | 782 | 20.14                 | 20.5                       | 0.793      | 0.862        |          |
| Back                             | 8          | 1  | 0         | 23230     | 782 | 23.17                 | 23.5                       | 0.516      | 0.557        |          |
| Back                             | 8          | 25 | 0         | 23230     | 782 | 22.09                 | 22.5                       | 0.444      | 0.488        |          |
| Left-side                        | 0          | 1  | 0         | 23230     | 782 | 23.17                 | 23.5                       | 0.082      | 0.089        |          |
| Top                              | 0          | 1  | 0         | 23230     | 782 | 20.21                 | 20.5                       | 0.691      | 0.739        |          |
| Top                              | 19         | 1  | 0         | 23230     | 782 | 23.17                 | 23.5                       | 0.179      | 0.193        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |               |    |           |           |     |                          |                            |               |              |          |
|----------------------------------|---------------|----|-----------|-----------|-----|--------------------------|----------------------------|---------------|--------------|----------|
| Ambient Temperature (°C): 22.7±2 |               |    |           |           |     |                          | Relative Humidity (%): 56% |               |              |          |
| Liquid Temperature (°C): 21.7±2  |               |    |           |           |     |                          | Depth of Liquid (cm): >15  |               |              |          |
| Test<br>Position                 | Dist.<br>(mm) | RB | RB offset | Frequency |     | Conducted Power<br>(dBm) |                            | SAR<br>(W/kg) |              | Plot No. |
|                                  |               |    |           | Ch.       | MHz | Meas.                    | Tune-Up<br>Limit           | Meas-1g       | Scaled-1g    |          |
| Test Mode: LTE Band 14_10M_QPSK  |               |    |           |           |     |                          |                            |               |              |          |
| Back                             | 0             | 1  | 0         | 23330     | 793 | 19.83                    | 20                         | 0.783         | <b>0.814</b> | 15       |
| Back                             | 0             | 25 | 0         | 23330     | 793 | 19.77                    | 20                         | 0.764         | 0.806        |          |
| Back                             | 0             | 50 | 0         | 23330     | 793 | 19.82                    | 20                         | 0.780         | 0.813        |          |
| Back                             | 8             | 1  | 0         | 23330     | 793 | 22.83                    | 23.5                       | 0.512         | 0.597        |          |
| Back                             | 8             | 25 | 0         | 23330     | 793 | 21.91                    | 22.5                       | 0.408         | 0.467        |          |
| Left-side                        | 0             | 1  | 0         | 23330     | 793 | 22.83                    | 23.5                       | 0.076         | 0.088        |          |
| Top                              | 0             | 1  | 0         | 23330     | 793 | 19.83                    | 20                         | 0.652         | 0.678        |          |
| Top                              | 19            | 1  | 0         | 23330     | 793 | 22.83                    | 23.5                       | 0.181         | 0.211        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |            |     |           |           |        |                       |                            |            |              |          |
|----------------------------------|------------|-----|-----------|-----------|--------|-----------------------|----------------------------|------------|--------------|----------|
| Ambient Temperature (°C): 22.9±2 |            |     |           |           |        |                       | Relative Humidity (%): 56% |            |              |          |
| Liquid Temperature (°C): 21.9±2  |            |     |           |           |        |                       | Depth of Liquid (cm): >15  |            |              |          |
| Test Position                    | Dist. (mm) | RB  | RB offset | Frequency |        | Conducted Power (dBm) |                            | SAR (W/kg) |              | Plot No. |
|                                  |            |     |           | Ch.       | MHz    | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g    |          |
| Test Mode: LTE Band 25_20M_QPSK  |            |     |           |           |        |                       |                            |            |              |          |
| Back                             | 0          | 1   | 0         | 26365     | 1882.5 | 19.46                 | 19.5                       | 0.735      | 0.742        |          |
| Back                             | 8          | 1   | 0         | 26140     | 1860   | 23.19                 | 23.5                       | 0.715      | 0.768        |          |
| Back                             | 8          | 1   | 0         | 26365     | 1882.5 | 23.21                 | 23.5                       | 0.802      | 0.857        |          |
| Back                             | 8          | 1   | 0         | 26590     | 1905   | 23.16                 | 23.5                       | 0.623      | 0.674        |          |
| Back                             | 8          | 50  | 0         | 26365     | 1882.5 | 22.31                 | 22.5                       | 0.587      | 0.613        |          |
| Back                             | 8          | 100 | 0         | 26365     | 1882.5 | 21.38                 | 21.5                       | 0.570      | 0.586        |          |
| Left-side                        | 0          | 1   | 0         | 26365     | 1882.5 | 23.21                 | 23.5                       | 0.152      | 0.162        |          |
| Top                              | 0          | 1   | 0         | 26140     | 1860   | 19.36                 | 19.5                       | 0.823      | 0.850        |          |
| Top                              | 0          | 1   | 0         | 26365     | 1882.5 | 19.46                 | 19.5                       | 0.941      | 0.950        |          |
| Top                              | 0          | 1   | 0         | 26590     | 1905   | 19.42                 | 19.5                       | 0.831      | 0.846        |          |
| Top                              | 0          | 50  | 0         | 26140     | 1860   | 19.29                 | 19.5                       | 0.876      | 0.919        |          |
| Top                              | 0          | 50  | 0         | 26365     | 1882.5 | 19.40                 | 19.5                       | 0.927      | 0.949        |          |
| Top                              | 0          | 50  | 0         | 26590     | 1905   | 19.32                 | 19.5                       | 0.795      | 0.829        |          |
| Top                              | 0          | 100 | 0         | 26365     | 1882.5 | 19.25                 | 19.5                       | 0.873      | 0.925        |          |
| Top                              | 19         | 1   | 0         | 26140     | 1860   | 23.19                 | 23.5                       | 0.970      | 1.042        |          |
| Top                              | 19         | 1   | 0         | 26365     | 1882.5 | 23.21                 | 23.5                       | 1.100      | <b>1.176</b> | 183      |
| Top                              | 19         | 1   | 0         | 26590     | 1905   | 23.16                 | 23.5                       | 0.870      | 0.941        |          |
| Top                              | 19         | 50  | 0         | 26140     | 1860   | 22.27                 | 22.5                       | 0.788      | 0.831        |          |
| Top                              | 19         | 50  | 0         | 26365     | 1882.5 | 22.31                 | 22.5                       | 0.877      | 0.916        |          |
| Top                              | 19         | 50  | 0         | 26590     | 1905   | 22.25                 | 22.5                       | 0.672      | 0.712        |          |
| Top                              | 19         | 100 | 0         | 26365     | 1882.5 | 21.38                 | 21.5                       | 0.729      | 0.749        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.
- LTE Band 2 (1850-1910 MHz) is covered by LTE Band 25 (1850-1915 MHz)

| SAR MEASUREMENT                  |               |    |           |           |       |                          |                            |               |              |          |
|----------------------------------|---------------|----|-----------|-----------|-------|--------------------------|----------------------------|---------------|--------------|----------|
| Ambient Temperature (°C): 22.5±2 |               |    |           |           |       |                          | Relative Humidity (%): 55% |               |              |          |
| Liquid Temperature (°C): 21.5±2  |               |    |           |           |       |                          | Depth of Liquid (cm): >15  |               |              |          |
| Test<br>Position                 | Dist.<br>(mm) | RB | RB offset | Frequency |       | Conducted Power<br>(dBm) |                            | SAR<br>(W/kg) |              | Plot No. |
|                                  |               |    |           | Ch.       | MHz   | Meas.                    | Tune-Up<br>Limit           | Meas-1g       | Scaled-1g    |          |
| Test Mode: LTE Band 26_15M_QPSK  |               |    |           |           |       |                          |                            |               |              |          |
| Back                             | 0             | 1  | 0         | 26765     | 821.5 | 20.33                    | 20.5                       | 0.778         | 0.809        |          |
| Back                             | 0             | 1  | 0         | 26865     | 831.5 | 20.39                    | 20.5                       | 0.815         | <b>0.836</b> | 17       |
| Back                             | 0             | 1  | 0         | 26965     | 841.5 | 20.38                    | 20.5                       | 0.800         | 0.822        |          |
| Back                             | 0             | 36 | 0         | 26765     | 821.5 | 20.29                    | 20.5                       | 0.751         | 0.788        |          |
| Back                             | 0             | 36 | 0         | 26865     | 831.5 | 20.38                    | 20.5                       | 0.811         | 0.834        |          |
| Back                             | 0             | 36 | 0         | 26965     | 841.5 | 20.36                    | 20.5                       | 0.806         | 0.832        |          |
| Back                             | 0             | 75 | 0         | 26865     | 831.5 | 20.31                    | 20.5                       | 0.794         | 0.830        |          |
| Back                             | 8             | 1  | 0         | 26865     | 831.5 | 23.26                    | 23.5                       | 0.523         | 0.553        |          |
| Back                             | 8             | 36 | 0         | 26865     | 831.5 | 22.45                    | 22.5                       | 0.410         | 0.415        |          |
| Left-side                        | 0             | 1  | 0         | 26865     | 831.5 | 23.26                    | 23.5                       | 0.150         | 0.159        |          |
| Top                              | 0             | 1  | 0         | 26865     | 831.5 | 20.39                    | 20.5                       | 0.733         | 0.752        |          |
| Top                              | 19            | 1  | 0         | 26865     | 831.5 | 23.26                    | 23.5                       | 0.167         | 0.176        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.
- LTE Band 5 (824-849 MHz) is covered by LTE Band 26 (814-849 MHz)

| SAR MEASUREMENT                  |            |     |           |           |        |                       |                            |            |           |          |
|----------------------------------|------------|-----|-----------|-----------|--------|-----------------------|----------------------------|------------|-----------|----------|
| Ambient Temperature (°C): 22.8±2 |            |     |           |           |        |                       | Relative Humidity (%): 57% |            |           |          |
| Liquid Temperature (°C): 21.8±2  |            |     |           |           |        |                       | Depth of Liquid (cm): >15  |            |           |          |
| Test Position                    | Dist. (mm) | RB  | RB offset | Frequency |        | Conducted Power (dBm) |                            | SAR (W/kg) |           | Plot No. |
|                                  |            |     |           | Ch.       | MHz    | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g |          |
| Test Mode: LTE Band 38_20M_QPSK  |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 37850     | 2580   | 23.44                 | 23.5                       | 0.846      | 0.863     |          |
| Back                             | 0          | 1   | 0         | 38000     | 2595   | 23.48                 | 23.5                       | 1.100      | 1.112     | 41       |
| Back                             | 0          | 1   | 0         | 38150     | 2610   | 23.45                 | 23.5                       | 1.090      | 1.109     |          |
| Back                             | 0          | 50  | 0         | 37850     | 2580   | 22.37                 | 22.5                       | 0.885      | 0.917     |          |
| Back                             | 0          | 50  | 0         | 38000     | 2595   | 22.43                 | 22.5                       | 0.921      | 0.942     |          |
| Back                             | 0          | 50  | 0         | 38150     | 2610   | 22.40                 | 22.5                       | 0.893      | 0.919     |          |
| Back                             | 0          | 100 | 0         | 38000     | 2595   | 21.48                 | 21.5                       | 0.901      | 0.911     |          |
| Left-side                        | 0          | 1   | 0         | 38000     | 2595   | 23.48                 | 23.5                       | 0.389      | 0.393     |          |
| Top                              | 0          | 1   | 0         | 38000     | 2595   | 23.48                 | 23.5                       | 0.569      | 0.575     |          |
| Test Mode: LTE Band 38C_20M_QPSK |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 37850     | 2580   | 23.12                 | 23.5                       | 0.828      | 0.909     |          |
| Back                             | 0          | 1   | 0         | 37901     | 2585.1 | 23.16                 | 23.5                       | 0.864      | 0.940     |          |
| Back                             | 0          | 1   | 0         | 37952     | 2590.2 | 23.09                 | 23.5                       | 0.846      | 0.935     |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |            |     |           |           |        |                       |                            |            |           |          |
|----------------------------------|------------|-----|-----------|-----------|--------|-----------------------|----------------------------|------------|-----------|----------|
| Ambient Temperature (°C): 22.8±2 |            |     |           |           |        |                       | Relative Humidity (%): 57% |            |           |          |
| Liquid Temperature (°C): 21.8±2  |            |     |           |           |        |                       | Depth of Liquid (cm): >15  |            |           |          |
| Test Position                    | Dist. (mm) | RB  | RB offset | Frequency |        | Conducted Power (dBm) |                            | SAR (W/kg) |           | Plot No. |
|                                  |            |     |           | Ch.       | MHz    | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g |          |
| Test Mode: LTE Band 41_20M_QPSK  |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 39750     | 2506   | 21.58                 | 22                         | 0.719      | 0.797     |          |
| Back                             | 0          | 1   | 0         | 40185     | 2549.5 | 21.64                 | 22                         | 0.703      | 0.768     |          |
| Back                             | 0          | 1   | 0         | 40620     | 2593   | 21.68                 | 22                         | 1.050      | 1.137     | 23       |
| Back                             | 0          | 1   | 0         | 41055     | 2636.5 | 21.60                 | 22                         | 0.965      | 1.064     |          |
| Back                             | 0          | 1   | 0         | 41490     | 2680   | 21.65                 | 22                         | 0.901      | 0.982     |          |
| Back                             | 0          | 50  | 0         | 39750     | 2506   | 21.45                 | 22                         | 0.709      | 0.810     |          |
| Back                             | 0          | 50  | 0         | 40185     | 2549.5 | 21.49                 | 22                         | 0.723      | 0.818     |          |
| Back                             | 0          | 50  | 0         | 40620     | 2593   | 21.61                 | 22                         | 1.030      | 1.134     |          |
| Back                             | 0          | 50  | 0         | 41055     | 2636.5 | 21.51                 | 22                         | 0.973      | 1.096     |          |
| Back                             | 0          | 50  | 0         | 41490     | 2680   | 21.51                 | 22                         | 0.866      | 0.975     |          |
| Back                             | 0          | 100 | 0         | 40620     | 2593   | 21.54                 | 22                         | 0.858      | 0.960     |          |
| Back                             | 8          | 1   | 0         | 40620     | 2593   | 23.48                 | 23.5                       | 0.530      | 0.536     |          |
| Back                             | 8          | 50  | 0         | 40620     | 2593   | 22.36                 | 22.5                       | 0.383      | 0.398     |          |
| Left-side                        | 0          | 1   | 0         | 40620     | 2593   | 23.48                 | 23.5                       | 0.444      | 0.449     |          |
| Top                              | 0          | 1   | 0         | 40620     | 2593   | 23.48                 | 23.5                       | 0.457      | 0.462     |          |
| Test Mode: LTE Band 41C_20M_QPSK |            |     |           |           |        |                       |                            |            |           |          |
| Back                             | 0          | 1   | 0         | 40521     | 2583.1 | 21.55                 | 22                         | 0.713      | 0.796     |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                       |            |     |           |           |        |                       |                            |            |              |          |
|---------------------------------------|------------|-----|-----------|-----------|--------|-----------------------|----------------------------|------------|--------------|----------|
| Ambient Temperature (°C): 22.8±2      |            |     |           |           |        |                       | Relative Humidity (%): 57% |            |              |          |
| Liquid Temperature (°C): 21.8±2       |            |     |           |           |        |                       | Depth of Liquid (cm): >15  |            |              |          |
| Test Position                         | Dist. (mm) | RB  | RB offset | Frequency |        | Conducted Power (dBm) |                            | SAR (W/kg) |              | Plot No. |
|                                       |            |     |           | Ch.       | MHz    | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g    |          |
| Test Mode: LTE Band 41_20M_QPSK_HPUE  |            |     |           |           |        |                       |                            |            |              |          |
| Back                                  | 0          | 1   | 0         | 39750     | 2506   | 21.61                 | 22                         | 0.732      | 0.808        |          |
| Back                                  | 0          | 1   | 0         | 40185     | 2549.5 | 21.62                 | 22                         | 0.711      | 0.783        |          |
| Back                                  | 0          | 1   | 0         | 40620     | 2593   | 21.75                 | 22                         | 1.070      | <b>1.144</b> | 218      |
| Back                                  | 0          | 1   | 0         | 41055     | 2636.5 | 21.58                 | 22                         | 0.976      | 1.085        |          |
| Back                                  | 0          | 1   | 0         | 41490     | 2680   | 21.63                 | 22                         | 0.915      | 1.005        |          |
| Back                                  | 0          | 50  | 0         | 39750     | 2506   | 21.48                 | 22                         | 0.721      | 0.820        |          |
| Back                                  | 0          | 50  | 0         | 40185     | 2549.5 | 21.53                 | 22                         | 0.732      | 0.823        |          |
| Back                                  | 0          | 50  | 0         | 40620     | 2593   | 21.68                 | 22                         | 1.050      | 1.140        |          |
| Back                                  | 0          | 50  | 0         | 41055     | 2636.5 | 21.48                 | 22                         | 0.984      | 1.119        |          |
| Back                                  | 0          | 50  | 0         | 41490     | 2680   | 21.52                 | 22                         | 0.880      | 0.992        |          |
| Back                                  | 0          | 100 | 0         | 40620     | 2593   | 21.58                 | 22                         | 0.872      | 0.969        |          |
| Back                                  | 8          | 1   | 0         | 39750     | 2506   | 26.33                 | 26.5                       | 0.791      | 0.830        |          |
| Back                                  | 8          | 1   | 0         | 40185     | 2549.5 | 26.29                 | 26.5                       | 0.738      | 0.782        |          |
| Back                                  | 8          | 1   | 0         | 40620     | 2593   | 26.42                 | 26.5                       | 1.020      | 1.048        |          |
| Back                                  | 8          | 1   | 0         | 41055     | 2636.5 | 26.37                 | 26.5                       | 0.951      | 0.989        |          |
| Back                                  | 8          | 1   | 0         | 41490     | 2680   | 26.38                 | 26.5                       | 0.850      | 0.882        |          |
| Back                                  | 8          | 50  | 0         | 39750     | 2506   | 25.34                 | 25.5                       | 0.613      | 0.642        |          |
| Back                                  | 8          | 50  | 0         | 40185     | 2549.5 | 25.31                 | 25.5                       | 0.543      | 0.572        |          |
| Back                                  | 8          | 50  | 0         | 40620     | 2593   | 25.39                 | 25.5                       | 0.821      | 0.850        |          |
| Back                                  | 8          | 50  | 0         | 41055     | 2636.5 | 25.34                 | 25.5                       | 0.758      | 0.794        |          |
| Back                                  | 8          | 50  | 0         | 41490     | 2680   | 25.36                 | 25.5                       | 0.890      | 0.927        |          |
| Back                                  | 8          | 100 | 0         | 40620     | 2593   | 24.44                 | 24.5                       | 0.749      | 0.766        |          |
| Left-side                             | 0          | 1   | 0         | 39750     | 2506   | 26.33                 | 26.5                       | 0.432      | 0.453        |          |
| Left-side                             | 0          | 1   | 0         | 40185     | 2549.5 | 26.29                 | 26.5                       | 0.664      | 0.703        |          |
| Left-side                             | 0          | 1   | 0         | 40620     | 2593   | 26.42                 | 26.5                       | 0.938      | 0.964        |          |
| Left-side                             | 0          | 1   | 0         | 41055     | 2636.5 | 26.37                 | 26.5                       | 0.893      | 0.928        |          |
| Left-side                             | 0          | 1   | 0         | 41490     | 2680   | 26.38                 | 26.5                       | 0.679      | 0.704        |          |
| Left-side                             | 0          | 50  | 0         | 40620     | 2593   | 25.39                 | 25.5                       | 0.751      | 0.777        |          |
| Left-side                             | 0          | 100 | 0         | 40620     | 2593   | 24.44                 | 24.5                       | 0.758      | 0.775        |          |
| Top                                   | 0          | 1   | 0         | 40620     | 2593   | 21.75                 | 22                         | 0.455      | 0.486        |          |
| Top                                   | 19         | 1   | 0         | 40620     | 2593   | 26.42                 | 26.5                       | 0.236      | 0.243        |          |
| Test Mode: LTE Band 41C_20M_QPSK_HPUE |            |     |           |           |        |                       |                            |            |              |          |
| Back                                  | 0          | 1   | 0         | 40521     | 2583.1 | 21.68                 | 22                         | 0.726      | 0.789        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |               |     |           |           |      |                          |                            |               |              |          |
|----------------------------------|---------------|-----|-----------|-----------|------|--------------------------|----------------------------|---------------|--------------|----------|
| Ambient Temperature (°C): 23.2±2 |               |     |           |           |      |                          | Relative Humidity (%): 55% |               |              |          |
| Liquid Temperature (°C): 22.2±2  |               |     |           |           |      |                          | Depth of Liquid (cm): >15  |               |              |          |
| Test<br>Position                 | Dist.<br>(mm) | RB  | RB offset | Frequency |      | Conducted Power<br>(dBm) |                            | SAR<br>(W/kg) |              | Plot No. |
|                                  |               |     |           | Ch.       | MHz  | Meas.                    | Tune-Up<br>Limit           | Meas-1g       | Scaled-1g    |          |
| Test Mode: LTE Band 42_20M_QPSK  |               |     |           |           |      |                          |                            |               |              |          |
| Back                             | 0             | 1   | 0         | 43190     | 3560 | 21.26                    | 21.5                       | 0.830         | 0.882        |          |
| Back                             | 0             | 1   | 0         | 43340     | 3575 | 21.35                    | 21.5                       | 0.896         | 0.933        |          |
| Back                             | 0             | 1   | 0         | 43490     | 3590 | 21.29                    | 21.5                       | 0.788         | 0.832        |          |
| Back                             | 0             | 50  | 0         | 43190     | 3560 | 21.28                    | 21.5                       | 0.855         | 0.905        |          |
| Back                             | 0             | 50  | 0         | 43340     | 3575 | 21.31                    | 21.5                       | 0.916         | 0.963        |          |
| Back                             | 0             | 50  | 0         | 43490     | 3590 | 21.25                    | 21.5                       | 0.803         | 0.856        |          |
| Back                             | 0             | 100 | 0         | 43340     | 3575 | 21.16                    | 21.5                       | 0.900         | 0.979        |          |
| Back                             | 8             | 1   | 0         | 43340     | 3575 | 23.28                    | 23.5                       | 0.270         | 0.286        |          |
| Left-side                        | 0             | 1   | 0         | 43340     | 3575 | 23.28                    | 23.5                       | 0.234         | 0.248        |          |
| Top                              | 0             | 1   | 0         | 43190     | 3560 | 23.22                    | 23.5                       | 0.643         | 0.690        |          |
| Top                              | 0             | 1   | 0         | 43340     | 3575 | 23.28                    | 23.5                       | 0.957         | <b>1.013</b> | 613      |
| Top                              | 0             | 1   | 0         | 43490     | 3590 | 23.08                    | 23.5                       | 0.872         | 0.966        |          |
| Top                              | 0             | 50  | 0         | 43340     | 3575 | 22.23                    | 22.5                       | 0.744         | 0.796        |          |
| Top                              | 0             | 100 | 0         | 43340     | 3575 | 21.45                    | 21.5                       | 0.726         | 0.739        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |               |     |           |           |      |                          |                            |               |              |          |
|----------------------------------|---------------|-----|-----------|-----------|------|--------------------------|----------------------------|---------------|--------------|----------|
| Ambient Temperature (°C): 23.1±2 |               |     |           |           |      |                          | Relative Humidity (%): 55% |               |              |          |
| Liquid Temperature (°C): 22.1±2  |               |     |           |           |      |                          | Depth of Liquid (cm): >15  |               |              |          |
| Test<br>Position                 | Dist.<br>(mm) | RB  | RB offset | Frequency |      | Conducted Power<br>(dBm) |                            | SAR<br>(W/kg) |              | Plot No. |
|                                  |               |     |           | Ch.       | MHz  | Meas.                    | Tune-Up<br>Limit           | Meas-1g       | Scaled-1g    |          |
| Test Mode: LTE Band 43_20M_QPSK  |               |     |           |           |      |                          |                            |               |              |          |
| Back                             | 0             | 1   | 0         | 44090     | 3650 | 23.43                    | 23.5                       | 0.633         | 0.647        |          |
| Left-side                        | 0             | 1   | 0         | 44090     | 3650 | 23.43                    | 23.5                       | 0.046         | 0.047        |          |
| Top                              | 0             | 1   | 0         | 43690     | 3610 | 19.42                    | 19.5                       | 0.525         | 0.538        |          |
| Top                              | 0             | 1   | 0         | 44090     | 3650 | 19.43                    | 19.5                       | 0.735         | <b>0.751</b> | 38       |
| Top                              | 0             | 1   | 0         | 44490     | 3690 | 19.41                    | 19.5                       | 0.668         | 0.686        |          |
| Top                              | 0             | 50  | 0         | 43690     | 3610 | 19.23                    | 19.5                       | 0.507         | 0.543        |          |
| Top                              | 0             | 50  | 0         | 44090     | 3650 | 19.41                    | 19.5                       | 0.730         | 0.750        |          |
| Top                              | 0             | 50  | 0         | 44490     | 3690 | 19.24                    | 19.5                       | 0.699         | 0.747        |          |
| Top                              | 0             | 100 | 0         | 44090     | 3650 | 19.34                    | 19.5                       | 0.718         | 0.749        |          |
| Top                              | 19            | 1   | 0         | 44090     | 3650 | 23.43                    | 23.5                       | 0.059         | 0.060        |          |
| Top                              | 19            | 50  | 0         | 44090     | 3650 | 22.31                    | 22.5                       | 0.075         | 0.078        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

| SAR MEASUREMENT                  |               |     |           |           |      |                          |                            |               |           |         |
|----------------------------------|---------------|-----|-----------|-----------|------|--------------------------|----------------------------|---------------|-----------|---------|
| Ambient Temperature (°C): 22.9±2 |               |     |           |           |      |                          | Relative Humidity (%): 56% |               |           |         |
| Liquid Temperature (°C): ±21.92  |               |     |           |           |      |                          | Depth of Liquid (cm): >15  |               |           |         |
| Test<br>Position                 | Dist.<br>(mm) | RB  | RB offset | Frequency |      | Conducted Power<br>(dBm) |                            | SAR<br>(W/kg) |           | Plot No |
|                                  |               |     |           | Ch.       | MHz  | Meas.                    | Tune-Up<br>Limit           | Meas-1g       | Scaled-1g |         |
| Test Mode: LTE Band 66_20M_QPSK  |               |     |           |           |      |                          |                            |               |           |         |
| Back                             | 0             | 1   | 0         | 132322    | 1745 | 18.36                    | 18.5                       | 0.706         | 0.729     |         |
| Back                             | 8             | 1   | 0         | 132072    | 1720 | 23.36                    | 23.5                       | 0.927         | 0.957     |         |
| Back                             | 8             | 1   | 0         | 132322    | 1745 | 23.38                    | 23.5                       | 0.988         | 1.016     |         |
| Back                             | 8             | 1   | 0         | 132572    | 1770 | 23.35                    | 23.5                       | 0.949         | 0.982     |         |
| Back                             | 8             | 50  | 0         | 132322    | 1745 | 22.47                    | 22.5                       | 0.749         | 0.754     |         |
| Back                             | 8             | 100 | 0         | 132322    | 1745 | 21.43                    | 21.5                       | 0.709         | 0.721     |         |
| Left-side                        | 0             | 1   | 0         | 132322    | 1745 | 23.38                    | 23.5                       | 0.079         | 0.081     |         |
| Top                              | 0             | 1   | 0         | 132072    | 1720 | 18.35                    | 18.5                       | 0.887         | 0.918     |         |
| Top                              | 0             | 1   | 0         | 132322    | 1745 | 18.36                    | 18.5                       | 0.950         | 0.981     |         |
| Top                              | 0             | 1   | 0         | 132572    | 1770 | 18.32                    | 18.5                       | 0.820         | 0.855     |         |
| Top                              | 0             | 50  | 0         | 132072    | 1720 | 18.25                    | 18.5                       | 0.921         | 0.976     |         |
| Top                              | 0             | 50  | 0         | 132322    | 1745 | 18.35                    | 18.5                       | 0.891         | 0.922     |         |
| Top                              | 0             | 50  | 0         | 132572    | 1770 | 18.31                    | 18.5                       | 0.929         | 0.971     |         |
| Top                              | 0             | 100 | 0         | 132322    | 1745 | 18.25                    | 18.5                       | 0.916         | 0.970     |         |
| Top                              | 19            | 1   | 0         | 132072    | 1720 | 23.36                    | 23.5                       | 0.977         | 1.009     |         |
| Top                              | 19            | 1   | 0         | 132322    | 1745 | 23.38                    | 23.5                       | 1.010         | 1.038     | 172     |
| Top                              | 19            | 1   | 0         | 132572    | 1770 | 23.35                    | 23.5                       | 0.999         | 1.034     |         |
| Top                              | 19            | 50  | 0         | 132072    | 1720 | 22.44                    | 22.5                       | 0.807         | 0.818     |         |
| Top                              | 19            | 50  | 0         | 132322    | 1745 | 22.47                    | 22.5                       | 0.832         | 0.838     |         |
| Top                              | 19            | 50  | 0         | 132572    | 1770 | 22.31                    | 22.5                       | 0.832         | 0.869     |         |
| Top                              | 19            | 100 | 0         | 132322    | 1745 | 21.43                    | 21.5                       | 0.842         | 0.856     |         |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.
- LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780 MHz)

| SAR MEASUREMENT                  |            |     |           |           |     |                       |                            |            |              |          |
|----------------------------------|------------|-----|-----------|-----------|-----|-----------------------|----------------------------|------------|--------------|----------|
| Ambient Temperature (°C): 22.7±2 |            |     |           |           |     |                       | Relative Humidity (%): 56% |            |              |          |
| Liquid Temperature (°C): 21.7±2  |            |     |           |           |     |                       | Depth of Liquid (cm): >15  |            |              |          |
| Test Position                    | Dist. (mm) | RB  | RB offset | Frequency |     | Conducted Power (dBm) |                            | SAR (W/kg) |              | Plot No. |
|                                  |            |     |           | Ch.       | MHz | Meas.                 | Tune-Up Limit              | Meas-1g    | Scaled-1g    |          |
| Test Mode: LTE Band 71_20M_QPSK  |            |     |           |           |     |                       |                            |            |              |          |
| Back                             | 0          | 1   | 0         | 133322    | 683 | 21.46                 | 21.5                       | 0.624      | 0.630        |          |
| Left-side                        | 0          | 1   | 0         | 133322    | 683 | 23.38                 | 23.5                       | 0.068      | 0.070        |          |
| Top                              | 0          | 1   | 0         | 133222    | 673 | 21.39                 | 21.5                       | 0.754      | 0.773        |          |
| Top                              | 0          | 1   | 0         | 133322    | 683 | 21.46                 | 21.5                       | 0.816      | <b>0.824</b> | 33       |
| Top                              | 0          | 1   | 0         | 133372    | 688 | 21.33                 | 21.5                       | 0.771      | 0.802        |          |
| Top                              | 0          | 50  | 0         | 133222    | 673 | 21.35                 | 21.5                       | 0.722      | 0.747        |          |
| Top                              | 0          | 50  | 0         | 133322    | 683 | 21.38                 | 21.5                       | 0.781      | 0.803        |          |
| Top                              | 0          | 50  | 0         | 133372    | 688 | 21.29                 | 21.5                       | 0.754      | 0.791        |          |
| Top                              | 0          | 100 | 0         | 133322    | 683 | 21.26                 | 21.5                       | 0.719      | 0.760        |          |
| Top                              | 19         | 1   | 0         | 133322    | 683 | 23.38                 | 23.5                       | 0.103      | 0.106        |          |
| Top                              | 19         | 50  | 0         | 133322    | 683 | 22.33                 | 22.5                       | 0.082      | 0.085        |          |

Note:

- When the reported SAR of the Mid channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required in other channel.

## 10.2 Simultaneous Transmission

| Simultaneous Transmission Configurations |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| 1                                        | WWAN + WLAN 2.4 GHz ANT Main + WLAN 2.4 GHz ANT Aux                 |
| 2                                        | WWAN + WLAN 2.4 GHz ANT Main + Bluetooth ANT Aux                    |
| 3                                        | WWAN + WLAN 5 GHz ANT Main + WLAN 5 GHz ANT Aux                     |
| 4                                        | WWAN + WLAN 5 GHz ANT Main + Bluetooth ANT Aux                      |
| 5                                        | WWAN + WLAN 5 GHz ANT Main + WLAN 5 GHz ANT Aux + Bluetooth ANT Aux |
| 6                                        | WWAN + WLAN 6 GHz ANT Main + WLAN 6 GHz ANT Aux                     |
| 7                                        | WWAN + WLAN 6 GHz ANT Main + Bluetooth ANT Aux                      |
| 8                                        | WWAN + WLAN 6 GHz ANT Main + WLAN 6 GHz ANT Aux + Bluetooth ANT Aux |

### 10.2.1 Simultaneous transmission test exclusion considerations

| Band                | Back at 0 mm | Back at 8 mm | Left-side at 0 mm | Right-side at 0 mm | Top at 0 mm | Top at 19 mm | Bottom at 0 mm |
|---------------------|--------------|--------------|-------------------|--------------------|-------------|--------------|----------------|
| LTE Band 7          | 1.074        | 0.506        | 0.675             | -                  | 0.540       | 0.310        | -              |
| LTE Band 12         | 0.881        | -            | 0.066             | -                  | 0.572       | 0.119        | -              |
| LTE Band 13         | 0.863        | 0.557        | 0.089             | -                  | 0.739       | 0.193        | -              |
| LTE Band 14         | 0.814        | 0.597        | 0.088             | -                  | 0.678       | 0.211        | -              |
| LTE Band 25         | 0.742        | 0.857        | 0.162             | -                  | 0.950       | <b>1.176</b> | -              |
| LTE Band 26         | 0.836        | 0.553        | 0.159             | -                  | 0.752       | 0.176        | -              |
| LTE Band 41         | 1.137        | 0.577        | 0.449             | -                  | 0.462       | -            | -              |
| LTE Band 41_HPUE    | <b>1.144</b> | 1.048        | <b>0.964</b>      | <b>0.048</b>       | 0.486       | 0.293        | -              |
| LTE Band 42         | 0.979        | 0.286        | 0.248             | 0.001              | 1.013       | -            | -              |
| LTE Band 43         | 0.647        | -            | 0.047             | -                  | 0.751       | 0.078        | -              |
| LTE Band 66         | 0.729        | 1.016        | 0.081             | -                  | 0.981       | 1.038        | -              |
| LTE Band 71         | 0.630        | -            | 0.070             | -                  | 0.824       | 0.106        | -              |
| WLAN2.4GHz ANT Main | 0.094        | -            | -                 | 0.737              | -           | -            | -              |
| WLAN2.4GHz ANT Aux  | 0.789        | -            | -                 | -                  | -           | -            | 1.083          |
| WLAN5GHz ANT Main   | 0.171        | -            | -                 | 1.041              | -           | -            | -              |
| WLAN5GHz ANT Aux    | 1.166        | -            | -                 | -                  | -           | -            | 0.967          |
| WLAN6GHz ANT Main   | 0.093        | -            | -                 | 0.770              | -           | -            | -              |
| WLAN6GHz ANT Aux    | 0.868        | -            | -                 | -                  | -           | -            | 0.541          |
| Bluetooth ANT Aux   | 0.332        | -            | -                 | -                  | -           | -            | 0.399          |

| Test                      | Worst Case          | 1     | 2                                | 3                               | 4                              | 5                             | 6                              | 7                             | 8                              | 1+2+         | 1+2+         | 1+4+         | 1+4+         | 1+4+         | 1+6+         | 1+6+         | 1+6+         |
|---------------------------|---------------------|-------|----------------------------------|---------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                           |                     | WWAN  | WLAN2.4GHz<br>ANT Main<br>(W/kg) | WLAN2.4GHz<br>ANT Aux<br>(W/kg) | WLAN5GHz<br>ANT Main<br>(W/kg) | WLAN5GHz<br>ANT Aux<br>(W/kg) | WLAN6GHz<br>ANT Main<br>(W/kg) | WLAN6GHz<br>ANT Aux<br>(W/kg) | Bluetooth<br>ANT Aux<br>(W/kg) | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR | Σ 1-g<br>SAR |
| Back at 0<br>mm & 8<br>mm | LTE Band<br>41_HPUE | 1.144 | 0.094                            | 0.789                           | 0.171                          | 1.166                         | 0.093                          | 0.868                         | 0.332                          | 2.027        | 1.570        | 2.481        | 1.647        | 2.813        | 2.105        | 1.569        | 2.437        |
| Left-side<br>at 0 mm      | LTE Band<br>41_HPUE | 0.964 | -                                | -                               | -                              | -                             | -                              | -                             | -                              | 0.964        | 0.964        | 0.964        | 0.964        | 0.964        | 0.964        | 0.964        | 0.964        |
| Right-side<br>at 0 mm     | LTE Band<br>41_HPUE | 0.048 | 0.737                            | -                               | 1.041                          | -                             | 0.770                          | -                             | -                              | 0.785        | 0.785        | 1.089        | 1.089        | 1.089        | 0.818        | 0.818        | 0.818        |
| Top at 0<br>mm & 19<br>mm | LTE Band 25         | 1.176 | -                                | -                               | -                              | -                             | -                              | -                             | -                              | 1.176        | 1.176        | 1.176        | 1.176        | 1.176        | 1.176        | 1.176        | 1.176        |
| Bottom at<br>0 mm         | -                   | -     | -                                | 1.083                           | -                              | 0.967                         | -                              | 0.541                         | 0.399                          | 1.083        | 0.399        | 0.967        | 0.399        | 1.366        | 0.541        | 0.399        | 0.940        |

When the sum of SAR is larger than the limit, The ratio is determined by  $(SAR1 + SAR2)^{1.5/R_i}$ , rounded to two decimal digits, and must be  $\leq 0.04$  for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion. The estimation result as below:

## WWAN + WLAN 2.4 GHz ANT Main + WLAN 2.4 GHz ANT Aux

| Test Position | LTE Band 41_HPUE Ant Main SAR (W/kg) | WLAN2.4GHz Ant Main SAR (W/kg) | Simultaneous Transmission (W/kg) | Antenna pair in mm | Peak location separation ratio |
|---------------|--------------------------------------|--------------------------------|----------------------------------|--------------------|--------------------------------|
| Back          | 1.144                                | 0.094                          | 1.238                            | 160.3              | 0.01                           |
| Test Position | LTE Band 41_HPUE Ant Main SAR (W/kg) | WLAN2.4GHz Ant Aux SAR (W/kg)  | Simultaneous Transmission (W/kg) | Antenna pair in mm | Peak location separation ratio |
| Back          | 1.144                                | 0.789                          | 1.933                            | 172                | 0.02                           |
| Test Position | WLAN2.4GHz Ant Main SAR (W/kg)       | WLAN2.4GHz Ant Aux SAR (W/kg)  | Simultaneous Transmission (W/kg) | Antenna pair in mm | Peak location separation ratio |
| Back          | 0.094                                | 0.789                          | 0.883                            | 142.5              | 0.01                           |

SPLSR  $\leq$  0.04; simultaneous transmission testing not required.

## WWAN + WLAN 5 GHz ANT Main + WLAN 5 GHz ANT Aux + Bluetooth ANT Aux

| Test Position | LTE Band 41_HPUE Ant Main SAR (W/kg) |                             | WLAN5GHz Ant Main SAR (W/kg) |                                  | Simultaneous Transmission (W/kg) | Antenna pair in mm             | Peak location separation ratio |
|---------------|--------------------------------------|-----------------------------|------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|
| Back          | 1.144                                |                             | 0.171                        |                                  | 1.315                            | 160.3                          | 0.01                           |
| Test Position | LTE Band 41_HPUE Ant Main SAR (W/kg) | WLAN5GHz Ant Aux SAR (W/kg) | Bluetooth Ant Aux SAR (W/kg) | Simultaneous Transmission (W/kg) | Antenna pair in mm               | Peak location separation ratio |                                |
| Back          | 1.144                                | 1.166                       | 0.332                        | 2.642                            | 172                              | 0.02                           |                                |
| Test Position | WLAN5GHz Ant Main SAR (W/kg)         | WLAN5GHz Ant Aux SAR (W/kg) | Bluetooth Ant Aux SAR (W/kg) | Simultaneous Transmission (W/kg) | Antenna pair in mm               | Peak location separation ratio |                                |
| Back          | 0.171                                | 1.166                       | 0.332                        | 1.669                            | 142.5                            | 0.02                           |                                |

SPLSR  $\leq$  0.04; simultaneous transmission testing not required.

## WWAN + WLAN 6 GHz ANT Main + WLAN 6 GHz ANT Aux + Bluetooth ANT Aux

| Test Position                                                 | LTE Band 41_HPUE Ant Main SAR (W/kg) |                             | WLAN6GHz Ant Main SAR (W/kg) |                                  | Simultaneous Transmission (W/kg) | Antenna pair in mm             | Peak location separation ratio |
|---------------------------------------------------------------|--------------------------------------|-----------------------------|------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|
| Back                                                          | 1.144                                |                             | 0.093                        |                                  | 1.237                            | 160.3                          | 0.01                           |
| Test Position                                                 | LTE Band 41_HPUE Ant Main SAR (W/kg) | WLAN6GHz Ant Aux SAR (W/kg) | Bluetooth Ant Aux SAR (W/kg) | Simultaneous Transmission (W/kg) | Antenna pair in mm               | Peak location separation ratio |                                |
| Back                                                          | 1.144                                | 0.868                       | 0.332                        | 2.344                            | 172                              | 0.02                           |                                |
| Test Position                                                 | WLAN6GHz Ant Main SAR (W/kg)         | WLAN6GHz Ant Aux SAR (W/kg) | Bluetooth Ant Aux SAR (W/kg) | Simultaneous Transmission (W/kg) | Antenna pair in mm               | Peak location separation ratio |                                |
| Back                                                          | 0.093                                | 0.868                       | 0.332                        | 1.293                            | 142.5                            | 0.01                           |                                |
| SPLSR ≤ 0.04; simultaneous transmission testing not required. |                                      |                             |                              |                                  |                                  |                                |                                |

## 11. SAR measurement variability

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only 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 ( $\sim 10\%$  from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

| Frequency |        | SAR 1g (W/kg) |                |       |
|-----------|--------|---------------|----------------|-------|
| Channel   | MHz    | Original      | First Repeated |       |
|           |        |               | Value          | Ratio |
| 11        | 2462   | 0.940         | 0.935          | 1.005 |
| 58        | 5290   | 1.110         | 1.070          | 1.037 |
| 191       | 6905   | 0.832         | 0.826          | 1.007 |
| 23095     | 707.5  | 0.863         | 0.844          | 1.023 |
| 26365     | 1882.5 | 1.100         | 1.010          | 1.089 |
| 26865     | 831.5  | 0.815         | 0.788          | 1.034 |
| 38000     | 2595   | 1.100         | 1.060          | 1.038 |
| 43340     | 3575   | 0.957         | 0.871          | 1.099 |
| 132322    | 1745   | 1.010         | 0.970          | 1.041 |

## **Appendix**

**Appendix A. System Check Data**

**Appendix B. Highest measurement Data**

**Appendix C. Test Setup Photographs**

**Appendix D. Probe Calibration Data**

**Appendix E. Dipole Calibration Data**

**Appendix F. Product Photos-Please refer to the file: 2540466R-Product Photos**