# SAR TEST REPORT

The following samples were submitted and identified on behalf of the client as:

| | |
|---|---|
| **Equipment Under Test** | Smart phone |
| **Company Name** | Sharp Corporation, Mobile Communication B.U. |
| **Company Address** | 2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan |
| **Standards** | IEEE/ANSI C95.1-1992, IEEE 1528-2013, KDB248227D01v02r02,KDB865664D01v01r04, KDB865664D02v01r02,KDB941225D01v03r01, KDB941225D06v02r01,KDB447498D01v06, KDB648474D04v01r03,KDB941225D05v02r05 |
| **FCC ID** | APYHRO00281 |
| **Date of Receipt** | Dec. 11, 2019 |
| **Date of Test(s)** | Jan. 03, 2019 ~ Jan. 13, 2019 |
| **Date of Issue** | Jan. 21, 2020 |

In the configuration tested, the EUT complied with the standards specified above.

**Remarks:**

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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**Signed on behalf of SGS**

| Clerk / Ruby Ou | Engineer / Bond Tsai | Asst. Manager / John Yeh |
|---|---|---|
| Ruby Ou | Bond Tsai | John Yeh |

**Date: Jan. 21, 2020**

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| Highest SAR Summary | | | | | | |
|---|---|---|---|---|---|---|
| Equipment class | Frequency Band | Head (Separation 0mm) | Body-worn (Separation 10mm) | Hotspot (Separation 10mm) | product specific 10g-SAR (Separation 0 mm) | Highest Simultaneous Transmission 1g SAR(W/Kg) |
| | | 1g SAR(W/Kg) | | | | |
| Licensed | LTE Band 13 | 0.15 | - | - | - | 0.82 |
| Licensed | UMTS Band II | - | 0.42 | - | - | |
| Licensed | LTE Band 7 | - | - | 0.79 | - | |
| DTS | 2.4GHz WLAN | 0.22 | 0.13 | 0.13 | - | |
| NII | 5GHz WLAN | 0.21 | 0.11 | - | 0.26 | |
| DSS | Bluetooth | 0.11 | 0.03 | - | 0.01 | |
| Date of Testing | | 2020/1/3~2020/1/13 | | | | |

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# Revision History

| Report Number | Revision | Description | Issue Date |
|---|---|---|---|
| E5/2019/C0009 | Rev.00 | Initial creation of document | Jan. 21, 2020 |
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# 1. General Information

## 1.1 Testing Laboratory

| | |
|---|---|
| SGS Taiwan Ltd. Electronics & Communication Laboratory | |
| No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan | |
| Tel | +886-2-2299-3279 |
| Fax | +886-2-2298-0488 |
| Internet | http://www.tw.sgs.com/ |

## 1.2 Details of Applicant

| | |
|---|---|
| Company Name | Sharp Corporation, Mobile Communication B.U. |
| Company Address | 2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan |

### 1.2.1 Details of Manufacturer

| | |
|---|---|
| Company Name | Sharp Corporation |
| Company Address | 1 Takumi-cho, Sakai-ku, Sakai City,Osaka 590-8522,Japan |

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## 1.3 Description of EUT

| | | | | |
|---|---|---|---|---|
| EUT Name | Smart phone | | | |
| FCC ID | APYHRO00281 | | | |
| Mode of Operation | ☒GSM ☒GPRS ☒WCDMA<br>☒HSDPA ☒HSUPA ☒LTE FDD ☒LTE TDD<br>☒WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M) ☒Bluetooth | | | |
| Duty Cycle | GSM<br>(DTM multi class B) | 1/8.3 | | |
| | GPRS<br>(support multi class 12 max) | 1/2 (1Dn4UP)<br>1/2.76 (1Dn3UP)<br>1/4.1 (1Dn2UP)<br>1/8.3 (1Dn1UP) | | |
| | LTE FDD | 1 | | |
| | LTE TDD | 0.633 | | |
| | WCDMA | 1 | | |
| | WLAN802.11a/b/g/n/ac/ax<br>(20M/40M/80M) | 1 | | |
| | Bluetooth | 1 | | |
| TX Frequency Range (MHz) | GSM850 | 824 | – | 849 |
| | GSM1900 | 1850 | – | 1910 |
| | WCDMA Band II | 1850 | – | 1910 |
| | WCDMA Band IV | 1710 | – | 1755 |
| | WCDMA Band V | 824 | – | 849 |
| | LTE FDD Band 2 | 1850 | – | 1910 |
| | LTE FDD Band 4 | 1710 | – | 1755 |
| | LTE FDD Band 5 | 824 | – | 849 |
| | LTE FDD Band 7 | 2500 | – | 2570 |
| | LTE FDD Band 12 | 699 | – | 716 |
| | LTE FDD Band 13 | 777 | – | 787 |
| | LTE FDD Band 17 | 704 | – | 716 |
| | LTE TDD Band 38 | 2570 | – | 2620 |
| | LTE TDD Band 41 | 2496 | – | 2690 |
| | WiFi 2.4GHz | 2400 | – | 2462 |
| | WiFi 5GHz | 5150 | – | 5825 |

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| | | | | |
|---|---|---|---|---|
| TX Frequency Range (MHz) | Bluetooth | 2402 | – | 2480 |
| Channel Number (ARFCN) | GSM850 | 128 | – | 251 |
| | GSM1900 | 512 | – | 810 |
| | WCDMA Band II | 9262 | – | 9538 |
| | WCDMA Band IV | 1312 | – | 1513 |
| | WCDMA Band V | 4132 | – | 4233 |
| | LTE FDD Band 2 | 18607 | – | 19193 |
| | LTE FDD Band 4 | 19957 | – | 20393 |
| | LTE FDD Band 5 | 20407 | – | 20643 |
| | LTE FDD Band 7 | 20775 | – | 21425 |
| | LTE FDD Band 12 | 23017 | – | 23173 |
| | LTE FDD Band 13 | 23205 | – | 23255 |
| | LTE FDD Band 17 | 23755 | – | 23825 |
| | LTE TDD Band 38 | 37775 | – | 38225 |
| | LTE TDD Band 41 | 39675 | – | 41565 |
| | WiFi 2.4GHz | 1 | – | 11 |
| | WiFi 5GHz | 36 | – | 165 |
| | Bluetooth | 0 | – | 78 |

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**WWAN**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Head | GSM 850 | 0.07 | 0.09 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>128 Channel |
| | GSM 1900 | 0.06 | 0.08 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>810 Channel |
| | WCDMA Band II | 0.08 | 0.09 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>9400 Channel |
| | WCDMA Band IV | 0.09 | 0.10 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>1412 Channel |
| | WCDMA Band V | 0.07 | 0.08 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>4183 Channel |

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**WWAN**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Head | LTE FDD Band 2 | 0.09 | 0.11 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>18700 Channel |
| | LTE FDD Band 4 | 0.08 | 0.09 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>20050 Channel |
| | LTE FDD Band 5 | 0.05 | 0.06 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>20525 Channel |
| | LTE FDD Band 7 | 0.06 | 0.07 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>21350 Channel |
| | LTE FDD Band 12 | 0.03 | 0.04 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>23095 Channel |
| | LTE FDD Band 13 | 0.13 | 0.15 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>23230 Channel |
| | LTE FDD Band 17 | 0.03 | 0.04 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>23800 Channel |
| | LTE TDD Band 38 | 0.04 | 0.05 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>38150 Channel |
| | LTE TDD Band 41 | 0.04 | 0.04 | ☒Left ☐Right<br>☒Cheek ☐Tilt<br>41055 Channel |

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**WLAN Antenna 0**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Head | WLAN802.11 b | 0.21 | 0.22 | ☒Left ☐Right ☒Cheek ☐Tilt 6 Channel |
| | WLAN802.11ac(80M)5.2G | 0.17 | 0.17 | ☒Left ☐Right ☒Cheek ☐Tilt 42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.15 | 0.15 | ☒Left ☐Right ☒Cheek ☐Tilt 58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.21 | 0.21 | ☒Left ☐Right ☒Cheek ☐Tilt 138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.19 | 0.19 | ☒Left ☐Right ☒Cheek ☐Tilt 155 Channel |
| | Bluetooth | 0.09 | 0.11 | ☒Left ☐Right ☒Cheek ☐Tilt 39 Channel |

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**WLAN Antenna 1**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Head | WLAN802.11 b | 0.07 | 0.07 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>11 Channel |
| | WLAN802.11ac(80M)5.2G | 0.08 | 0.09 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.08 | 0.08 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.09 | 0.09 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.10 | 0.11 | ☐Left ☒Right<br>☒Cheek ☐Tilt<br>155 Channel |

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**WWAN**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Body-worn | GSM 850 | 0.13 | 0.16 | ☐Front ☒Back 128 Channel |
| | GSM 1900 | 0.23 | 0.29 | ☐Front ☒Back 810 Channel |
| | WCDMA Band II | 0.36 | 0.42 | ☐Front ☒Back 9400 Channel |
| | WCDMA Band IV | 0.28 | 0.33 | ☐Front ☒Back 1412 Channel |
| | WCDMA Band V | 0.21 | 0.24 | ☐Front ☒Back 4183 Channel |
| | LTE FDD Band 2 | 0.33 | 0.39 | ☐Front ☒Back 18700 Channel |
| | LTE FDD Band 4 | 0.27 | 0.31 | ☐Front ☒Back 20050 Channel |
| | LTE FDD Band 5 | 0.20 | 0.24 | ☐Front ☒Back 20525 Channel |
| | LTE FDD Band 7 | 0.33 | 0.41 | ☐Front ☒Back 21350 Channel |
| | LTE FDD Band 12 | 0.07 | 0.09 | ☐Front ☒Back 23095 Channel |
| | LTE FDD Band 13 | 0.36 | 0.41 | ☐Front ☒Back 23230 Channel |
| | LTE FDD Band 17 | 0.08 | 0.10 | ☐Front ☒Back 23800 Channel |
| | LTE TDD Band 38 | 0.11 | 0.14 | ☐Front ☒Back 38150 Channel |
| | LTE TDD Band 41 | 0.10 | 0.10 | ☐Front ☒Back 41055 Channel |

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**WLAN Antenna 0**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Body-worn | WLAN802.11 b | 0.05 | 0.05 | ☐Front ☒Back 6 Channel |
| | WLAN802.11ac(80M)5.2G | 0.03 | 0.03 | ☐Front ☒Back 42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.07 | 0.07 | ☐Front ☒Back 58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.11 | 0.11 | ☐Front ☒Back 138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.09 | 0.09 | ☐Front ☒Back 155 Channel |
| | Bluetooth | 0.02 | 0.03 | ☐Front ☒Back 39 Channel |

**WLAN Antenna 1**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Body-worn | WLAN802.11 b | 0.13 | 0.13 | ☐Front ☒Back 11 Channel |
| | WLAN802.11ac(80M)5.2G | 0.10 | 0.11 | ☐Front ☒Back 42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.09 | 0.09 | ☐Front ☒Back 58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.06 | 0.06 | ☐Front ☒Back 138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.06 | 0.06 | ☐Front ☒Back 155 Channel |

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**WWAN**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Hotspot mode | GPRS 850 (1Dn4UP) | 0.14 | 0.18 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>190 Channel |
| | GPRS 1900 (1Dn4UP) | 0.26 | 0.35 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>810 Channel |
| | WCDMA Band II | 0.36 | 0.42 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>9400 Channel |
| | WCDMA Band IV | 0.28 | 0.33 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>1412 Channel |
| | WCDMA Band V | 0.21 | 0.24 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>4183 Channel |
| | LTE FDD Band 2 | 0.33 | 0.39 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>18700 Channel |
| | LTE FDD Band 4 | 0.27 | 0.31 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>20050 Channel |
| | LTE FDD Band 5 | 0.20 | 0.24 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>20525 Channel |
| | LTE FDD Band 7 | 0.64 | 0.79 | ☐Front ☐Back<br>☐Top ☐Right<br>☐Left ☒Bottom<br>21350 Channel |

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**WWAN**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Hotspot mode | LTE FDD Band 12 | 0.07 | 0.09 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>23095 Channel |
| | LTE FDD Band 13 | 0.36 | 0.41 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>23230 Channel |
| | LTE FDD Band 17 | 0.08 | 0.10 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>23800 Channel |
| | LTE TDD Band 38 | 0.16 | 0.20 | ☐Front ☐Back<br>☐Top ☐Right<br>☐Left ☒Bottom<br>38150 Channel |
| | LTE TDD Band 41 | 0.16 | 0.16 | ☐Front ☐Back<br>☐Top ☐Right<br>☐Left ☒Bottom<br>41055 Channel |

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**WLAN Antenna 0**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Hotspot mode | WLAN802.11 b | 0.05 | 0.05 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>6 Channel |

**WLAN Antenna 1**

| Max. SAR (1-g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Hotspot mode | WLAN802.11 b | 0.13 | 0.13 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>11 Channel |

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**WLAN Antenna 0**

| Max. SAR (10 g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Product specific 10-g SAR | Bluetooth(GFSK) | 0.01 | 0.01 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>39 Channel |
| | WLAN802.11ac(80M)5.2G | 0.11 | 0.11 | ☒Front ☐Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.17 | 0.17 | ☒Front ☐Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.23 | 0.23 | ☒Front ☐Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.21 | 0.21 | ☒Front ☐Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>155 Channel |

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**WLAN Antenna 1**

| Max. SAR (10 g) (Unit: W/Kg) | | | | |
|---|---|---|---|---|
| Mode | Band | Measured | Reported | Position / Channel |
| Product specific 10-g SAR | WLAN802.11ac(80M)5.2G | 0.23 | 0.26 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>42 Channel |
| | WLAN802.11ac(80M)5.3G | 0.13 | 0.14 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>58 Channel |
| | WLAN802.11ac(80M)5.6G | 0.13 | 0.13 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>138 Channel |
| | WLAN802.11ac(80M)5.8G | 0.11 | 0.12 | ☐Front ☒Back<br>☐Top ☐Right<br>☐Left ☐Bottom<br>155 Channel |

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## GSM 850 - conducted power table:

| EUT mode | Frequency (MHz) | CH | Max. Rated Avg. Power + Max.Tolerance (dBm) | Burst average power | Source-based time average power |
|---|---|---|---|---|---|
| | | | | Avg. (dBm) | Avg. (dBm) |
| GSM 850 (GMSK) | 824.2 | 128 | 33.5 | 32.58 | 23.55 |
| | 836.6 | 190 | 33.5 | 32.37 | 23.34 |
| | 848.8 | 251 | 33.5 | 32.48 | 23.45 |
| The division factor compared to the number of TX time slot | | | | | |
| Division factor | | | | 1 TX time slot | |
| | | | | -9.03 | |

## GPRS 850 - conducted power table:

| Burst average power | | | | | | |
|---|---|---|---|---|---|---|
| Max. Rated Avg. Power + Max. Tolerance (dBm) | | | 33.5 | 31.5 | 29.8 | 29 |
| | | | 1Dn1UP | 1Dn2UP | 1Dn3UP | 1Dn4UP |
| EUT mode | Frequency (MHz) | CH | Avg. (dBm) | Avg. (dBm) | Avg. (dBm) | Avg. (dBm) |
| GPRS 850 | 824.2 | 128 | 32.58 | 30.66 | 28.75 | 27.79 |
| | 836.6 | 190 | 32.37 | 30.54 | 28.82 | 27.88 |
| | 848.8 | 251 | 32.48 | 30.39 | 28.81 | 27.80 |
| Source-based time average power | | | | | | |
| GPRS 850 | 824.2 | 128 | 23.55 | 24.64 | 24.49 | 24.78 |
| | 836.6 | 190 | 23.34 | 24.52 | 24.56 | 24.87 |
| | 848.8 | 251 | 23.45 | 24.37 | 24.55 | 24.79 |
| The division factor compared to the number of TX time slot | | | | | | |
| Division factor | | | 1 TX time slot | 2 TX time slot | 3 TX time slot | 4 TX time slot |
| | | | -9.03 | -6.02 | -4.26 | -3.01 |

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## GSM 1900 - conducted power table:

| EUT mode | Frequency (MHz) | CH | Max. Rated Avg. Power + Max.Tolerance (dBm) | Burst average power | Source-based time average power |
|---|---|---|---|---|---|
| | | | | Avg. (dBm) | Avg. (dBm) |
| GSM1900 (GMSK) | 1850.2 | 512 | 30.5 | 29.19 | 20.16 |
| | 1800 | 661 | 30.5 | 29.36 | 20.33 |
| | 1909.8 | 810 | 30.5 | 29.44 | 20.41 |
| The division factor compared to the number of TX time slot | | | | | |
| Division factor | | | | 1 TX time slot | |
| | | | | -9.03 | |

## GPRS 1900 - conducted power table:

| Burst average power | | | | | | |
|---|---|---|---|---|---|---|
| Max. Rated Avg. Power + Max. Tolerance (dBm) | | | 30.5 | 28.5 | 27 | 26 |
| | | | 1Dn1UP | 1Dn2UP | 1Dn3UP | 1Dn4UP |
| EUT mode | Frequency (MHz) | CH | Avg. (dBm) | Avg. (dBm) | Avg. (dBm) | Avg. (dBm) |
| GPRS 1900 | 1850.2 | 512 | 29.19 | 27.01 | 25.39 | 24.37 |
| | 1880 | 661 | 29.36 | 27.21 | 25.58 | 24.57 |
| | 1909.8 | 810 | 29.44 | 27.30 | 25.66 | 24.65 |
| Source-based time average power | | | | | | |
| GPRS 1900 | 1850.2 | 512 | 20.16 | 20.99 | 21.13 | 21.36 |
| | 1880 | 661 | 20.33 | 21.19 | 21.32 | 21.56 |
| | 1909.8 | 810 | 20.41 | 21.28 | 21.40 | 21.64 |
| The division factor compared to the number of TX time slot | | | | | | |
| Division factor | | | 1 TX time slot | 2 TX time slot | 3 TX time slot | 4 TX time slot |
| | | | -9.03 | -6.02 | -4.26 | -3.01 |

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**WCDMA Band II / Band IV / Band V - HSDPA / HSUPA Conducted power table (Unit: dBm):**

| Band | | WCDMA II | | |
|---|---|---|---|---|
| TX Channel | | 9262 | 9400 | 9538 |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 |
| Max. Rated Avg. Power+Max. Tolerance (dBm) | | **23.30** | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 22.58 | 22.59 | 22.36 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 21.60 | 21.61 | 21.36 |
| | HSDPA Subtest-2 | 21.06 | 21.13 | 20.88 |
| | HSDPA Subtest-3 | 21.08 | 21.10 | 20.88 |
| | HSDPA Subtest-4 | 21.08 | 21.09 | 20.87 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 21.54 | 21.57 | 21.34 |
| | HSUPA Subtest-2 | 19.50 | 19.53 | 19.34 |
| | HSUPA Subtest-3 | 20.53 | 20.54 | 20.35 |
| | HSUPA Subtest-4 | 19.58 | 19.52 | 19.31 |
| | HSUPA Subtest-5 | 21.54 | 21.48 | 21.42 |

| Band | | WCDMA IV | | |
|---|---|---|---|---|
| TX Channel | | 1312 | 1412 | 1513 |
| Frequency (MHz) | | 1712.4 | 1732.4 | 1752.6 |
| Max. Rated Avg. Power+Max. Tolerance (dBm) | | **23.30** | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 22.62 | 22.65 | 22.52 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 21.68 | 21.69 | 21.50 |
| | HSDPA Subtest-2 | 21.16 | 21.16 | 21.08 |
| | HSDPA Subtest-3 | 21.12 | 21.16 | 21.03 |
| | HSDPA Subtest-4 | 21.11 | 21.21 | 21.03 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 21.62 | 21.64 | 21.48 |
| | HSUPA Subtest-2 | 19.56 | 19.63 | 19.49 |
| | HSUPA Subtest-3 | 20.60 | 20.63 | 20.49 |
| | HSUPA Subtest-4 | 19.61 | 19.61 | 19.46 |
| | HSUPA Subtest-5 | 21.63 | 21.58 | 21.51 |

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| Band | | WCDMA V | | |
|---|---|---|---|---|
| TX Channel | | 4132 | 4183 | 4233 |
| Frequency (MHz) | | 826.4 | 836.6 | 846.6 |
| Max. Rated Avg. Power+Max. Tolerance (dBm) | | **25.00** | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 24.29 | 24.38 | 24.33 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 23.05 | 23.17 | 23.16 |
| | HSDPA Subtest-2 | 22.58 | 22.61 | 22.59 |
| | HSDPA Subtest-3 | 22.53 | 22.53 | 22.55 |
| | HSDPA Subtest-4 | 22.53 | 22.55 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 23.06 | 23.09 | 23.07 |
| | HSUPA Subtest-2 | 21.16 | 21.05 | 21.09 |
| | HSUPA Subtest-3 | 22.10 | 22.19 | 22.10 |
| | HSUPA Subtest-4 | 21.04 | 21.08 | 21.12 |
| | HSUPA Subtest-5 | 23.12 | 23.16 | 23.16 |

Subtests for WCDMA Release 5 HSDPA

| SUB-TEST | $\beta_c$ | $\beta_d$ | $\beta_d$ *(SF)* | $\beta_c/\beta_d$ | $\beta_{HS}$ *(Note1, Note 2)* | CM (dB) *(Note 3)* | MPR (dB) *(Note 3)* |
|---|---|---|---|---|---|---|---|
| 1 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 0.0 | 0.0 |
| 2 | 12/15 | 15/15 | 64 | 12/15 | 24/15 | 1.0 | 0.0 |
| 3 | 15/15 | 8/15 | 64 | 15/8 | 30/15 | 1.5 | 0.5 |
| 4 | 15/15 | 4/15 | 64 | 15/4 | 30/15 | 1.5 | 0.5 |

Subtests for WCDMA Release 6 HSUPA

| SUB-TEST | $\beta_c$ | $\beta_d$ | $\beta_d$ *(SF)* | $\beta_c/\beta_d$ | $\beta_{HS}$ *(Note1)* | $\beta_{ec}$ | $\beta_{ed}$ *(Note 5) (Note 6)* | $\beta_{ed}$ *(SF)* | $\beta_{ed}$ *(Codes)* | CM *(dB) (Note 2)* | MPR *(dB) (Note 2)* | *AG Index (Note 6)* | *E-TFCI* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11/15 | 15/15 | 64 | 11/15 | 22/15 | 209/225 | 1309/225 | 4 | 1 | 1.0 | 0.0 | 20 | 75 |
| 2 | 6/15 | 15/15 | 64 | 6/15 | 12/15 | 12/15 | 94/75 | 4 | 1 | 3.0 | 2.0 | 12 | 67 |
| 3 | 15/15 | 9/15 | 64 | 15/9 | 30/15 | 30/15 | $\beta_{ed}1$: 47/15<br>$\beta_{ed}2$: 47/15 | 4<br>4 | 2 | 2.0 | 1.0 | 15 | 92 |
| 4 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 2/15 | 56/75 | 4 | 1 | 3.0 | 2.0 | 17 | 71 |
| 5 | 15/15 | 15/15 | 64 | 15/15 | 30/15 | 24/15 | 134/15 | 4 | 1 | 1.0 | 0.0 | 21 | 81 |

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## LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 17-conducted power table:

| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | QPSK | 1 RB | 0 | 1860 | 18700 | 22.57 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.34 | 23.3 | 0 |
| | | | | 1900 | 19100 | 22.26 | 23.3 | 0 |
| | | | 50 | 1860 | 18700 | 22.50 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.35 | 23.3 | 0 |
| | | | | 1900 | 19100 | 22.35 | 23.3 | 0 |
| | | | 99 | 1860 | 18700 | 22.56 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.40 | 23.3 | 0 |
| | | | | 1900 | 19100 | 22.27 | 23.3 | 0 |
| | | 18 RB | 0 | 1860 | 18700 | 21.51 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.40 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.41 | 22.3 | 0-1 |
| | | | 25 | 1860 | 18700 | 21.59 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.57 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.45 | 22.3 | 0-1 |
| | | | 50 | 1860 | 18700 | 21.64 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.57 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.45 | 22.3 | 0-1 |
| | | 100RB | | 1860 | 18700 | 21.57 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.52 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.39 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1860 | 18700 | 21.93 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.55 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.60 | 22.3 | 0-1 |
| | | | 50 | 1860 | 18700 | 21.49 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.77 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.84 | 22.3 | 0-1 |
| | | | 99 | 1860 | 18700 | 21.94 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.44 | 22.3 | 0-1 |
| | | | | 1900 | 19100 | 21.44 | 22.3 | 0-1 |
| | | 50 RB | 0 | 1860 | 18700 | 20.58 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.54 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.43 | 21.3 | 0-2 |
| | | | 25 | 1860 | 18700 | 20.62 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.52 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.42 | 21.3 | 0-2 |
| | | | 50 | 1860 | 18700 | 20.63 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.48 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.35 | 21.3 | 0-2 |
| | | 100RB | | 1860 | 18700 | 20.62 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.50 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.35 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 64-QAM | 1 RB | 0 | 1860 | 18700 | 20.94 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.58 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.61 | 21.3 | 0-2 |
| | | | 50 | 1860 | 18700 | 20.54 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.78 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.84 | 21.3 | 0-2 |
| | | | 99 | 1860 | 18700 | 21.03 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.48 | 21.3 | 0-2 |
| | | | | 1900 | 19100 | 20.44 | 21.3 | 0-2 |
| | | 50 RB | 0 | 1860 | 18700 | 19.62 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.58 | 20.3 | 0-3 |
| | | | | 1900 | 19100 | 19.48 | 20.3 | 0-3 |
| | | | 25 | 1860 | 18700 | 19.69 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.61 | 20.3 | 0-3 |
| | | | | 1900 | 19100 | 19.50 | 20.3 | 0-3 |
| | | | 50 | 1860 | 18700 | 19.66 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.53 | 20.3 | 0-3 |
| | | | | 1900 | 19100 | 19.40 | 20.3 | 0-3 |
| | | 100RB | | 1860 | 18700 | 19.69 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.53 | 20.3 | 0-3 |
| | | | | 1900 | 19100 | 19.41 | 20.3 | 0-3 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | QPSK | 1 RB | 0 | 1857.5 | 18675 | 22.50 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.26 | 23.3 | 0 |
| | | | | 1902.5 | 19125 | 22.17 | 23.3 | 0 |
| | | | 36 | 1857.5 | 18675 | 22.30 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.35 | 23.3 | 0 |
| | | | | 1902.5 | 19125 | 22.23 | 23.3 | 0 |
| | | | 74 | 1857.5 | 18675 | 22.55 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.29 | 23.3 | 0 |
| | | | | 1902.5 | 19125 | 22.20 | 23.3 | 0 |
| | | 36 RB | 0 | 1857.5 | 18675 | 21.43 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.40 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.27 | 22.3 | 0-1 |
| | | | 18 | 1857.5 | 18675 | 21.52 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.42 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.26 | 22.3 | 0-1 |
| | | | 37 | 1857.5 | 18675 | 21.50 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.47 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.30 | 22.3 | 0-1 |
| | | 75RB | | 1857.5 | 18675 | 21.54 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.35 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.34 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1857.5 | 18675 | 21.90 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.45 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.54 | 22.3 | 0-1 |
| | | | 36 | 1857.5 | 18675 | 21.37 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.62 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.76 | 22.3 | 0-1 |
| | | | 74 | 1857.5 | 18675 | 21.74 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.24 | 22.3 | 0-1 |
| | | | | 1902.5 | 19125 | 21.42 | 22.3 | 0-1 |
| | | 36 RB | 0 | 1857.5 | 18675 | 20.45 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.44 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.24 | 21.3 | 0-2 |
| | | | 18 | 1857.5 | 18675 | 20.49 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.35 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.37 | 21.3 | 0-2 |
| | | | 37 | 1857.5 | 18675 | 20.50 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.44 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.29 | 21.3 | 0-2 |
| | | 75RB | | 1857.5 | 18675 | 20.44 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.39 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.22 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 64-QAM | 1 RB | 0 | 1857.5 | 18675 | 20.81 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.39 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.55 | 21.3 | 0-2 |
| | | | 50 | 1857.5 | 18675 | 20.36 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.72 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.69 | 21.3 | 0-2 |
| | | | 99 | 1857.5 | 18675 | 20.95 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.42 | 21.3 | 0-2 |
| | | | | 1902.5 | 19125 | 20.36 | 21.3 | 0-2 |
| | | 36 RB | 0 | 1857.5 | 18675 | 19.61 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.39 | 20.3 | 0-3 |
| | | | | 1902.5 | 19125 | 19.38 | 20.3 | 0-3 |
| | | | 25 | 1857.5 | 18675 | 19.51 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.52 | 20.3 | 0-3 |
| | | | | 1902.5 | 19125 | 19.30 | 20.3 | 0-3 |
| | | | 50 | 1857.5 | 18675 | 19.47 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.37 | 20.3 | 0-3 |
| | | | | 1902.5 | 19125 | 19.36 | 20.3 | 0-3 |
| | | 75RB | | 1857.5 | 18675 | 19.51 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.42 | 20.3 | 0-3 |
| | | | | 1902.5 | 19125 | 19.27 | 20.3 | 0-3 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 1855 | 18650 | 22.56 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.29 | 23.3 | 0 |
| | | | | 1905 | 19150 | 22.18 | 23.3 | 0 |
| | | | 25 | 1855 | 18650 | 22.32 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.29 | 23.3 | 0 |
| | | | | 1905 | 19150 | 22.18 | 23.3 | 0 |
| | | | 49 | 1855 | 18650 | 22.49 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.27 | 23.3 | 0 |
| | | | | 1905 | 19150 | 22.24 | 23.3 | 0 |
| | | 25 RB | 0 | 1855 | 18650 | 21.48 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.27 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.24 | 22.3 | 0-1 |
| | | | 12 | 1855 | 18650 | 21.46 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.42 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.37 | 22.3 | 0-1 |
| | | | 25 | 1855 | 18650 | 21.46 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.51 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.29 | 22.3 | 0-1 |
| | | 50RB | | 1855 | 18650 | 21.45 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.44 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.32 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1855 | 18650 | 21.82 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.44 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.50 | 22.3 | 0-1 |
| | | | 25 | 1855 | 18650 | 21.38 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.73 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.82 | 22.3 | 0-1 |
| | | | 49 | 1855 | 18650 | 21.94 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.41 | 22.3 | 0-1 |
| | | | | 1905 | 19150 | 21.31 | 22.3 | 0-1 |
| | | 25 RB | 0 | 1855 | 18650 | 20.44 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.52 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.41 | 21.3 | 0-2 |
| | | | 12 | 1855 | 18650 | 20.62 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.49 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.33 | 21.3 | 0-2 |
| | | | 25 | 1855 | 18650 | 20.52 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.36 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.20 | 21.3 | 0-2 |
| | | 50RB | | 1855 | 18650 | 20.50 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.39 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.29 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 1855 | 18650 | 20.78 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.57 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.55 | 21.3 | 0-2 |
| | | | 25 | 1855 | 18650 | 20.41 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.61 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.69 | 21.3 | 0-2 |
| | | | 49 | 1855 | 18650 | 20.94 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.34 | 21.3 | 0-2 |
| | | | | 1905 | 19150 | 20.25 | 21.3 | 0-2 |
| | | 25 RB | 0 | 1855 | 18650 | 19.52 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.54 | 20.3 | 0-3 |
| | | | | 1905 | 19150 | 19.35 | 20.3 | 0-3 |
| | | | 12 | 1855 | 18650 | 19.69 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.53 | 20.3 | 0-3 |
| | | | | 1905 | 19150 | 19.45 | 20.3 | 0-3 |
| | | | 25 | 1855 | 18650 | 19.62 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.35 | 20.3 | 0-3 |
| | | | | 1905 | 19150 | 19.26 | 20.3 | 0-3 |
| | | 50RB | | 1855 | 18650 | 19.57 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.36 | 20.3 | 0-3 |
| | | | | 1905 | 19150 | 19.28 | 20.3 | 0-3 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 1852.5 | 18625 | 22.53 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.26 | 23.3 | 0 |
| | | | | 1907.5 | 19175 | 22.16 | 23.3 | 0 |
| | | | 12 | 1852.5 | 18625 | 22.38 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.27 | 23.3 | 0 |
| | | | | 1907.5 | 19175 | 22.27 | 23.3 | 0 |
| | | | 24 | 1852.5 | 18625 | 22.41 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.21 | 23.3 | 0 |
| | | | | 1907.5 | 19175 | 22.26 | 23.3 | 0 |
| | | 12 RB | 0 | 1852.5 | 18625 | 21.44 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.29 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.29 | 22.3 | 0-1 |
| | | | 6 | 1852.5 | 18625 | 21.55 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.55 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.38 | 22.3 | 0-1 |
| | | | 13 | 1852.5 | 18625 | 21.47 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.47 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.29 | 22.3 | 0-1 |
| | | 25RB | | 1852.5 | 18625 | 21.54 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.46 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.22 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1852.5 | 18625 | 21.77 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.42 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.51 | 22.3 | 0-1 |
| | | | 12 | 1852.5 | 18625 | 21.40 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.63 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.72 | 22.3 | 0-1 |
| | | | 24 | 1852.5 | 18625 | 21.85 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.31 | 22.3 | 0-1 |
| | | | | 1907.5 | 19175 | 21.31 | 22.3 | 0-1 |
| | | 12 RB | 0 | 1852.5 | 18625 | 20.54 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.35 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.30 | 21.3 | 0-2 |
| | | | 6 | 1852.5 | 18625 | 20.55 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.35 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.40 | 21.3 | 0-2 |
| | | | 13 | 1852.5 | 18625 | 20.59 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.35 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.34 | 21.3 | 0-2 |
| | | 25RB | | 1852.5 | 18625 | 20.58 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.40 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.31 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 1852.5 | 18625 | 20.80 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.54 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.50 | 21.3 | 0-2 |
| | | | 12 | 1852.5 | 18625 | 20.52 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.66 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.77 | 21.3 | 0-2 |
| | | | 24 | 1852.5 | 18625 | 20.90 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.46 | 21.3 | 0-2 |
| | | | | 1907.5 | 19175 | 20.32 | 21.3 | 0-2 |
| | | 12 RB | 0 | 1852.5 | 18625 | 19.61 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.51 | 20.3 | 0-3 |
| | | | | 1907.5 | 19175 | 19.41 | 20.3 | 0-3 |
| | | | 6 | 1852.5 | 18625 | 19.64 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.53 | 20.3 | 0-3 |
| | | | | 1907.5 | 19175 | 19.33 | 20.3 | 0-3 |
| | | | 13 | 1852.5 | 18625 | 19.59 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.36 | 20.3 | 0-3 |
| | | | | 1907.5 | 19175 | 19.33 | 20.3 | 0-3 |
| | | 25RB | | 1852.5 | 18625 | 19.50 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.34 | 20.3 | 0-3 |
| | | | | 1907.5 | 19175 | 19.24 | 20.3 | 0-3 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | QPSK | 1 RB | 0 | 1851.5 | 18615 | 22.41 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.29 | 23.3 | 0 |
| | | | | 1908.5 | 19185 | 22.07 | 23.3 | 0 |
| | | | 7 | 1851.5 | 18615 | 22.42 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.15 | 23.3 | 0 |
| | | | | 1908.5 | 19185 | 22.27 | 23.3 | 0 |
| | | | 14 | 1851.5 | 18615 | 22.45 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.23 | 23.3 | 0 |
| | | | | 1908.5 | 19185 | 22.11 | 23.3 | 0 |
| | | 8 RB | 0 | 1851.5 | 18615 | 21.44 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.40 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.38 | 22.3 | 0-1 |
| | | | 4 | 1851.5 | 18615 | 21.45 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.38 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.28 | 22.3 | 0-1 |
| | | | 7 | 1851.5 | 18615 | 21.54 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.39 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.29 | 22.3 | 0-1 |
| | | 15RB | | 1851.5 | 18615 | 21.37 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.33 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.34 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1851.5 | 18615 | 21.79 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.46 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.47 | 22.3 | 0-1 |
| | | | 7 | 1851.5 | 18615 | 21.48 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.62 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.79 | 22.3 | 0-1 |
| | | | 14 | 1851.5 | 18615 | 21.83 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.33 | 22.3 | 0-1 |
| | | | | 1908.5 | 19185 | 21.30 | 22.3 | 0-1 |
| | | 8 RB | 0 | 1851.5 | 18615 | 20.52 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.48 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.38 | 21.3 | 0-2 |
| | | | 4 | 1851.5 | 18615 | 20.57 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.42 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.32 | 21.3 | 0-2 |
| | | | 7 | 1851.5 | 18615 | 20.59 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.30 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.30 | 21.3 | 0-2 |
| | | 15RB | | 1851.5 | 18615 | 20.47 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.34 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.16 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | 64-QAM | 1 RB | 0 | 1851.5 | 18615 | 20.74 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.44 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.41 | 21.3 | 0-2 |
| | | | 7 | 1851.5 | 18615 | 20.41 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.61 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.67 | 21.3 | 0-2 |
| | | | 14 | 1851.5 | 18615 | 21.01 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.37 | 21.3 | 0-2 |
| | | | | 1908.5 | 19185 | 20.30 | 21.3 | 0-2 |
| | | 8 RB | 0 | 1851.5 | 18615 | 19.56 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.45 | 20.3 | 0-3 |
| | | | | 1908.5 | 19185 | 19.30 | 20.3 | 0-3 |
| | | | 4 | 1851.5 | 18615 | 19.65 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.42 | 20.3 | 0-3 |
| | | | | 1908.5 | 19185 | 19.45 | 20.3 | 0-3 |
| | | | 7 | 1851.5 | 18615 | 19.64 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.49 | 20.3 | 0-3 |
| | | | | 1908.5 | 19185 | 19.37 | 20.3 | 0-3 |
| | | 15RB | | 1851.5 | 18615 | 19.57 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.50 | 20.3 | 0-3 |
| | | | | 1908.5 | 19185 | 19.37 | 20.3 | 0-3 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | QPSK | 1 RB | 0 | 1850.7 | 18607 | 22.43 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.00 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 22.19 | 23.3 | 0 |
| | | | 2 | 1850.7 | 18607 | 22.21 | 23.3 | 0 |
| | | | | 1880 | 18900 | 22.05 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 22.20 | 23.3 | 0 |
| | | | 5 | 1850.7 | 18607 | 22.14 | 23.3 | 0 |
| | | | | 1880 | 18900 | 21.87 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 22.46 | 23.3 | 0 |
| | | 3 RB | 0 | 1850.7 | 18607 | 22.19 | 23.3 | 0 |
| | | | | 1880 | 18900 | 21.69 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 21.86 | 23.3 | 0 |
| | | | 2 | 1850.7 | 18607 | 22.02 | 23.3 | 0 |
| | | | | 1880 | 18900 | 21.82 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 22.03 | 23.3 | 0 |
| | | | 3 | 1850.7 | 18607 | 21.81 | 23.3 | 0 |
| | | | | 1880 | 18900 | 21.72 | 23.3 | 0 |
| | | | | 1909.3 | 19193 | 22.20 | 23.3 | 0 |
| | | 6RB | | 1850.7 | 18607 | 21.05 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.07 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 21.12 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1850.7 | 18607 | 21.12 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 20.95 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 21.13 | 22.3 | 0-1 |
| | | | 2 | 1850.7 | 18607 | 21.19 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 21.29 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 21.31 | 22.3 | 0-1 |
| | | | 5 | 1850.7 | 18607 | 21.12 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 20.88 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 21.06 | 22.3 | 0-1 |
| | | 3 RB | 0 | 1850.7 | 18607 | 20.97 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 20.87 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 20.88 | 22.3 | 0-1 |
| | | | 2 | 1850.7 | 18607 | 20.81 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 20.91 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 20.85 | 22.3 | 0-1 |
| | | | 3 | 1850.7 | 18607 | 21.02 | 22.3 | 0-1 |
| | | | | 1880 | 18900 | 20.99 | 22.3 | 0-1 |
| | | | | 1909.3 | 19193 | 20.87 | 22.3 | 0-1 |
| | | 6RB | | 1850.7 | 18607 | 20.00 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.10 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 20.24 | 21.3 | 0-2 |

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| FDD Band 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | 64-QAM | 1 RB | 0 | 1850.7 | 18607 | 20.26 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 19.96 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 20.27 | 21.3 | 0-2 |
| | | | 2 | 1850.7 | 18607 | 20.35 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.40 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 20.39 | 21.3 | 0-2 |
| | | | 5 | 1850.7 | 18607 | 20.37 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.19 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 20.19 | 21.3 | 0-2 |
| | | 3 RB | 0 | 1850.7 | 18607 | 20.18 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.16 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 19.90 | 21.3 | 0-2 |
| | | | 2 | 1850.7 | 18607 | 20.07 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.08 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 19.97 | 21.3 | 0-2 |
| | | | 3 | 1850.7 | 18607 | 20.21 | 21.3 | 0-2 |
| | | | | 1880 | 18900 | 20.22 | 21.3 | 0-2 |
| | | | | 1909.3 | 19193 | 20.20 | 21.3 | 0-2 |
| | | 6RB | | 1850.7 | 18607 | 19.47 | 20.3 | 0-3 |
| | | | | 1880 | 18900 | 19.47 | 20.3 | 0-3 |
| | | | | 1909.3 | 19193 | 19.55 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | QPSK | 1 RB | 0 | 1720 | 20050 | 22.55 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.52 | 23.3 | 0 |
| | | | | 1745 | 20300 | 22.58 | 23.3 | 0 |
| | | | 50 | 1720 | 20050 | 22.64 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.42 | 23.3 | 0 |
| | | | | 1745 | 20300 | 22.18 | 23.3 | 0 |
| | | | 99 | 1720 | 20050 | 22.50 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.32 | 23.3 | 0 |
| | | | | 1745 | 20300 | 22.38 | 23.3 | 0 |
| | | 50 RB | 0 | 1720 | 20050 | 21.64 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.62 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.71 | 22.3 | 0-1 |
| | | | 25 | 1720 | 20050 | 21.65 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.59 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.59 | 22.3 | 0-1 |
| | | | 50 | 1720 | 20050 | 21.59 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.57 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.52 | 22.3 | 0-1 |
| | | 100RB | | 1720 | 20050 | 21.70 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.65 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.57 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1720 | 20050 | 21.80 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 22.01 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.85 | 22.3 | 0-1 |
| | | | 50 | 1720 | 20050 | 21.41 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 22.10 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.47 | 22.3 | 0-1 |
| | | | 99 | 1720 | 20050 | 21.69 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.56 | 22.3 | 0-1 |
| | | | | 1745 | 20300 | 21.89 | 22.3 | 0-1 |
| | | 50 RB | 0 | 1720 | 20050 | 20.62 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.71 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 20.67 | 21.3 | 0-2 |
| | | | 25 | 1720 | 20050 | 20.73 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.67 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 20.64 | 21.3 | 0-2 |
| | | | 50 | 1720 | 20050 | 20.59 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.48 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 20.55 | 21.3 | 0-2 |
| | | 100RB | | 1720 | 20050 | 20.64 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.56 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 20.62 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 64-QAM | 1 RB | 0 | 1720 | 20050 | 20.96 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.18 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 21.01 | 21.3 | 0-2 |
| | | | 50 | 1720 | 20050 | 20.54 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.26 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 20.61 | 21.3 | 0-2 |
| | | | 99 | 1720 | 20050 | 20.82 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.75 | 21.3 | 0-2 |
| | | | | 1745 | 20300 | 21.02 | 21.3 | 0-2 |
| | | 50 RB | 0 | 1720 | 20050 | 19.76 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.86 | 20.3 | 0-3 |
| | | | | 1745 | 20300 | 19.81 | 20.3 | 0-3 |
| | | | 25 | 1720 | 20050 | 19.84 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.85 | 20.3 | 0-3 |
| | | | | 1745 | 20300 | 19.78 | 20.3 | 0-3 |
| | | | 50 | 1720 | 20050 | 19.70 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.59 | 20.3 | 0-3 |
| | | | | 1745 | 20300 | 19.74 | 20.3 | 0-3 |
| | | 100RB | | 1720 | 20050 | 19.75 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.75 | 20.3 | 0-3 |
| | | | | 1745 | 20300 | 19.73 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | QPSK | 1 RB | 0 | 1717.5 | 20025 | 22.35 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.38 | 23.3 | 0 |
| | | | | 1747.5 | 20325 | 22.56 | 23.3 | 0 |
| | | | 36 | 1717.5 | 20025 | 22.46 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.36 | 23.3 | 0 |
| | | | | 1747.5 | 20325 | 21.99 | 23.3 | 0 |
| | | | 74 | 1717.5 | 20025 | 22.40 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.13 | 23.3 | 0 |
| | | | | 1747.5 | 20325 | 22.25 | 23.3 | 0 |
| | | 36 RB | 0 | 1717.5 | 20025 | 21.60 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.59 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.61 | 22.3 | 0-1 |
| | | | 18 | 1717.5 | 20025 | 21.59 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.40 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.58 | 22.3 | 0-1 |
| | | | 37 | 1717.5 | 20025 | 21.48 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.40 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.48 | 22.3 | 0-1 |
| | | 75RB | | 1717.5 | 20025 | 21.66 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.57 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.47 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1717.5 | 20025 | 21.74 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.96 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.72 | 22.3 | 0-1 |
| | | | 36 | 1717.5 | 20025 | 21.38 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.90 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.45 | 22.3 | 0-1 |
| | | | 74 | 1717.5 | 20025 | 21.57 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.47 | 22.3 | 0-1 |
| | | | | 1747.5 | 20325 | 21.73 | 22.3 | 0-1 |
| | | 36 RB | 0 | 1717.5 | 20025 | 20.53 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.58 | 21.3 | 0-2 |
| | | | | 1747.5 | 20325 | 20.52 | 21.3 | 0-2 |
| | | | 18 | 1717.5 | 20025 | 20.67 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.49 | 21.3 | 0-2 |
| | | | | 1747.5 | 20325 | 20.63 | 21.3 | 0-2 |
| | | | 37 | 1717.5 | 20025 | 20.55 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.41 | 21.3 | 0-2 |
| | | | | 1747.5 | 20325 | 20.46 | 21.3 | 0-2 |
| | | 75RB | | 1717.5 | 20025 | 20.47 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.43 | 21.3 | 0-2 |
| | | | | 1747.5 | 20325 | 20.60 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 64-QAM | 1 RB | 0 | 1717.5 | 22.51 | 20.94 | 21.3 | 0-2 |
| | | | | 1732.5 | 22.58 | 21.01 | 21.3 | 0-2 |
| | | | | 1747.5 | 22.77 | 20.96 | 21.3 | 0-2 |
| | | | 36 | 1717.5 | 22.12 | 20.50 | 21.3 | 0-2 |
| | | | | 1732.5 | 22.7 | 21.09 | 21.3 | 0-2 |
| | | | | 1747.5 | 22.44 | 20.60 | 21.3 | 0-2 |
| | | | 74 | 1717.5 | 22.42 | 20.70 | 21.3 | 0-2 |
| | | | | 1732.5 | 22.7 | 20.67 | 21.3 | 0-2 |
| | | | | 1747.5 | 22.73 | 20.95 | 21.3 | 0-2 |
| | | 36 RB | 0 | 1717.5 | 21.22 | 19.67 | 20.3 | 0-3 |
| | | | | 1732.5 | 21.38 | 19.67 | 20.3 | 0-3 |
| | | | | 1747.5 | 21.52 | 19.68 | 20.3 | 0-3 |
| | | | 18 | 1717.5 | 21.24 | 19.78 | 20.3 | 0-3 |
| | | | | 1732.5 | 21.34 | 19.65 | 20.3 | 0-3 |
| | | | | 1747.5 | 21.41 | 19.62 | 20.3 | 0-3 |
| | | | 37 | 1717.5 | 21.25 | 19.51 | 20.3 | 0-3 |
| | | | | 1732.5 | 21.29 | 19.45 | 20.3 | 0-3 |
| | | | | 1747.5 | 21.46 | 19.70 | 20.3 | 0-3 |
| | | 75RB | | 1717.5 | 21.22 | 19.70 | 20.3 | 0-3 |
| | | | | 1732.5 | 21.35 | 19.57 | 20.3 | 0-3 |
| | | | | 1747.5 | 21.43 | 19.57 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 1715 | 20000 | 22.45 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.33 | 23.3 | 0 |
| | | | | 1750 | 20350 | 22.56 | 23.3 | 0 |
| | | | 25 | 1715 | 20000 | 22.58 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.22 | 23.3 | 0 |
| | | | | 1750 | 20350 | 22.02 | 23.3 | 0 |
| | | | 49 | 1715 | 20000 | 22.45 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.14 | 23.3 | 0 |
| | | | | 1750 | 20350 | 22.36 | 23.3 | 0 |
| | | 25 RB | 0 | 1715 | 20000 | 21.54 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.50 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.61 | 22.3 | 0-1 |
| | | | 12 | 1715 | 20000 | 21.56 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.45 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.54 | 22.3 | 0-1 |
| | | | 25 | 1715 | 20000 | 21.50 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.38 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.35 | 22.3 | 0-1 |
| | | 50RB | | 1715 | 20000 | 21.67 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.64 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.54 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1715 | 20000 | 21.70 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.92 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.72 | 22.3 | 0-1 |
| | | | 25 | 1715 | 20000 | 21.36 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 22.02 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.36 | 22.3 | 0-1 |
| | | | 49 | 1715 | 20000 | 21.60 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.45 | 22.3 | 0-1 |
| | | | | 1750 | 20350 | 21.89 | 22.3 | 0-1 |
| | | 25 RB | 0 | 1715 | 20000 | 20.51 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.56 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.59 | 21.3 | 0-2 |
| | | | 12 | 1715 | 20000 | 20.64 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.54 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.47 | 21.3 | 0-2 |
| | | | 25 | 1715 | 20000 | 20.40 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.34 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.41 | 21.3 | 0-2 |
| | | 50RB | | 1715 | 20000 | 20.63 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.51 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.47 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 1715 | 20000 | 20.88 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.05 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.82 | 21.3 | 0-2 |
| | | | 25 | 1715 | 20000 | 20.35 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.13 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.47 | 21.3 | 0-2 |
| | | | 49 | 1715 | 20000 | 20.73 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.61 | 21.3 | 0-2 |
| | | | | 1750 | 20350 | 20.86 | 21.3 | 0-2 |
| | | 25 RB | 0 | 1715 | 20000 | 19.66 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.74 | 20.3 | 0-3 |
| | | | | 1750 | 20350 | 19.74 | 20.3 | 0-3 |
| | | | 12 | 1715 | 20000 | 19.80 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.76 | 20.3 | 0-3 |
| | | | | 1750 | 20350 | 19.59 | 20.3 | 0-3 |
| | | | 25 | 1715 | 20000 | 19.63 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.46 | 20.3 | 0-3 |
| | | | | 1750 | 20350 | 19.60 | 20.3 | 0-3 |
| | | 50RB | | 1715 | 20000 | 19.74 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.67 | 20.3 | 0-3 |
| | | | | 1750 | 20350 | 19.65 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 1712.5 | 19975 | 22.51 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.42 | 23.3 | 0 |
| | | | | 1752.5 | 20375 | 22.39 | 23.3 | 0 |
| | | | 12 | 1712.5 | 19975 | 22.63 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.41 | 23.3 | 0 |
| | | | | 1752.5 | 20375 | 22.05 | 23.3 | 0 |
| | | | 24 | 1712.5 | 19975 | 22.45 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.31 | 23.3 | 0 |
| | | | | 1752.5 | 20375 | 22.34 | 23.3 | 0 |
| | | 12 RB | 0 | 1712.5 | 19975 | 21.64 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.44 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.58 | 22.3 | 0-1 |
| | | | 6 | 1712.5 | 19975 | 21.47 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.41 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.57 | 22.3 | 0-1 |
| | | | 13 | 1712.5 | 19975 | 21.46 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.49 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.39 | 22.3 | 0-1 |
| | | 25RB | | 1712.5 | 19975 | 21.58 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.59 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.55 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1712.5 | 19975 | 21.73 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.86 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.73 | 22.3 | 0-1 |
| | | | 12 | 1712.5 | 19975 | 21.29 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 22.09 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.28 | 22.3 | 0-1 |
| | | | 24 | 1712.5 | 19975 | 21.64 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.47 | 22.3 | 0-1 |
| | | | | 1752.5 | 20375 | 21.89 | 22.3 | 0-1 |
| | | 12 RB | 0 | 1712.5 | 19975 | 20.44 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.65 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.61 | 21.3 | 0-2 |
| | | | 6 | 1712.5 | 19975 | 20.69 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.65 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.52 | 21.3 | 0-2 |
| | | | 13 | 1712.5 | 19975 | 20.41 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.44 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.39 | 21.3 | 0-2 |
| | | 25RB | | 1712.5 | 19975 | 20.45 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.38 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.46 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 1712.5 | 19975 | 20.90 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.09 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.93 | 21.3 | 0-2 |
| | | | 12 | 1712.5 | 19975 | 20.38 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.07 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.50 | 21.3 | 0-2 |
| | | | 24 | 1712.5 | 19975 | 20.66 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.69 | 21.3 | 0-2 |
| | | | | 1752.5 | 20375 | 20.86 | 21.3 | 0-2 |
| | | 12 RB | 0 | 1712.5 | 19975 | 19.56 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.68 | 20.3 | 0-3 |
| | | | | 1752.5 | 20375 | 19.79 | 20.3 | 0-3 |
| | | | 6 | 1712.5 | 19975 | 19.81 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.79 | 20.3 | 0-3 |
| | | | | 1752.5 | 20375 | 19.59 | 20.3 | 0-3 |
| | | | 13 | 1712.5 | 19975 | 19.59 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.39 | 20.3 | 0-3 |
| | | | | 1752.5 | 20375 | 19.57 | 20.3 | 0-3 |
| | | 25RB | | 1712.5 | 19975 | 19.58 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.56 | 20.3 | 0-3 |
| | | | | 1752.5 | 20375 | 19.67 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | QPSK | 1 RB | 0 | 1711.5 | 19965 | 22.44 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.33 | 23.3 | 0 |
| | | | | 1753.5 | 20385 | 22.46 | 23.3 | 0 |
| | | | 7 | 1711.5 | 19965 | 22.57 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.35 | 23.3 | 0 |
| | | | | 1753.5 | 20385 | 22.11 | 23.3 | 0 |
| | | | 14 | 1711.5 | 19965 | 22.40 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.30 | 23.3 | 0 |
| | | | | 1753.5 | 20385 | 22.32 | 23.3 | 0 |
| | | 8 RB | 0 | 1711.5 | 19965 | 21.53 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.56 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.57 | 22.3 | 0-1 |
| | | | 4 | 1711.5 | 19965 | 21.49 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.51 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.46 | 22.3 | 0-1 |
| | | | 7 | 1711.5 | 19965 | 21.46 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.41 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.49 | 22.3 | 0-1 |
| | | 15RB | | 1711.5 | 19965 | 21.55 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.52 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.43 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1711.5 | 19965 | 21.79 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.83 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.74 | 22.3 | 0-1 |
| | | | 7 | 1711.5 | 19965 | 21.23 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 22.06 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.41 | 22.3 | 0-1 |
| | | | 14 | 1711.5 | 19965 | 21.50 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.54 | 22.3 | 0-1 |
| | | | | 1753.5 | 20385 | 21.86 | 22.3 | 0-1 |
| | | 8 RB | 0 | 1711.5 | 19965 | 20.45 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.53 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.62 | 21.3 | 0-2 |
| | | | 4 | 1711.5 | 19965 | 20.69 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.58 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.58 | 21.3 | 0-2 |
| | | | 7 | 1711.5 | 19965 | 20.50 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.29 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.44 | 21.3 | 0-2 |
| | | 15RB | | 1711.5 | 19965 | 20.56 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.54 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.52 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | 64-QAM | 1 RB | 0 | 1711.5 | 19965 | 20.87 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.11 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.94 | 21.3 | 0-2 |
| | | | 7 | 1711.5 | 19965 | 20.51 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 21.22 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.59 | 21.3 | 0-2 |
| | | | 14 | 1711.5 | 19965 | 20.77 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.61 | 21.3 | 0-2 |
| | | | | 1753.5 | 20385 | 20.97 | 21.3 | 0-2 |
| | | 8 RB | 0 | 1711.5 | 19965 | 19.64 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.69 | 20.3 | 0-3 |
| | | | | 1753.5 | 20385 | 19.62 | 20.3 | 0-3 |
| | | | 4 | 1711.5 | 19965 | 19.66 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.74 | 20.3 | 0-3 |
| | | | | 1753.5 | 20385 | 19.60 | 20.3 | 0-3 |
| | | | 7 | 1711.5 | 19965 | 19.60 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.39 | 20.3 | 0-3 |
| | | | | 1753.5 | 20385 | 19.64 | 20.3 | 0-3 |
| | | 15RB | | 1711.5 | 19965 | 19.67 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.55 | 20.3 | 0-3 |
| | | | | 1753.5 | 20385 | 19.63 | 20.3 | 0-3 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | QPSK | 1 RB | 0 | 1710.7 | 19957 | 22.18 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.18 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.13 | 23.3 | 0 |
| | | | 2 | 1710.7 | 19957 | 22.31 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.38 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.06 | 23.3 | 0 |
| | | | 5 | 1710.7 | 19957 | 22.30 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.33 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.55 | 23.3 | 0 |
| | | 3 RB | 0 | 1710.7 | 19957 | 22.35 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.37 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.31 | 23.3 | 0 |
| | | | 2 | 1710.7 | 19957 | 22.43 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.36 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.25 | 23.3 | 0 |
| | | | 3 | 1710.7 | 19957 | 22.39 | 23.3 | 0 |
| | | | | 1732.5 | 20175 | 22.40 | 23.3 | 0 |
| | | | | 1754.3 | 20393 | 22.37 | 23.3 | 0 |
| | | 6RB | | 1710.7 | 19957 | 21.37 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.52 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.53 | 22.3 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1710.7 | 19957 | 21.61 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.67 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.52 | 22.3 | 0-1 |
| | | | 2 | 1710.7 | 19957 | 21.27 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.64 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.46 | 22.3 | 0-1 |
| | | | 5 | 1710.7 | 19957 | 21.39 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.49 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.54 | 22.3 | 0-1 |
| | | 3 RB | 0 | 1710.7 | 19957 | 20.93 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.40 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.24 | 22.3 | 0-1 |
| | | | 2 | 1710.7 | 19957 | 21.27 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.24 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.11 | 22.3 | 0-1 |
| | | | 3 | 1710.7 | 19957 | 21.26 | 22.3 | 0-1 |
| | | | | 1732.5 | 20175 | 21.28 | 22.3 | 0-1 |
| | | | | 1754.3 | 20393 | 21.26 | 22.3 | 0-1 |
| | | 6RB | | 1710.7 | 19957 | 20.77 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.92 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.75 | 21.3 | 0-2 |

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| FDD Band 4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | 64-QAM | 1 RB | 0 | 1710.7 | 19957 | 20.69 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.83 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.81 | 21.3 | 0-2 |
| | | | 2 | 1710.7 | 19957 | 20.45 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.83 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.62 | 21.3 | 0-2 |
| | | | 5 | 1710.7 | 19957 | 20.74 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.81 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.55 | 21.3 | 0-2 |
| | | 3 RB | 0 | 1710.7 | 19957 | 20.42 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.53 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.55 | 21.3 | 0-2 |
| | | | 2 | 1710.7 | 19957 | 20.43 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.36 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.50 | 21.3 | 0-2 |
| | | | 3 | 1710.7 | 19957 | 20.32 | 21.3 | 0-2 |
| | | | | 1732.5 | 20175 | 20.27 | 21.3 | 0-2 |
| | | | | 1754.3 | 20393 | 20.40 | 21.3 | 0-2 |
| | | 6RB | | 1710.7 | 19957 | 20.05 | 20.3 | 0-3 |
| | | | | 1732.5 | 20175 | 19.93 | 20.3 | 0-3 |
| | | | | 1754.3 | 20393 | 20.05 | 20.3 | 0-3 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 829 | 20450 | 23.06 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.94 | 24 | 0 |
| | | | | 844 | 20600 | 22.89 | 24 | 0 |
| | | | 25 | 829 | 20450 | 22.98 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.22 | 24 | 0 |
| | | | | 844 | 20600 | 23.00 | 24 | 0 |
| | | | 49 | 829 | 20450 | 22.93 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.01 | 24 | 0 |
| | | | | 844 | 20600 | 22.88 | 24 | 0 |
| | | 25 RB | 0 | 829 | 20450 | 22.17 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.15 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.22 | 23 | 0-1 |
| | | | 12 | 829 | 20450 | 22.23 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.19 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.18 | 23 | 0-1 |
| | | | 25 | 829 | 20450 | 22.21 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.20 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.15 | 23 | 0-1 |
| | | 50RB | | 829 | 20450 | 22.22 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.17 | 23 | 0-1 |
| | | | | 844 | 20600 | 21.97 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 829 | 20450 | 22.49 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.67 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.11 | 23 | 0-1 |
| | | | 25 | 829 | 20450 | 22.25 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.26 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.73 | 23 | 0-1 |
| | | | 49 | 829 | 20450 | 22.55 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.38 | 23 | 0-1 |
| | | | | 844 | 20600 | 22.53 | 23 | 0-1 |
| | | 25 RB | 0 | 829 | 20450 | 21.06 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.22 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.19 | 22 | 0-2 |
| | | | 12 | 829 | 20450 | 21.30 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.08 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.19 | 22 | 0-2 |
| | | | 25 | 829 | 20450 | 21.07 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.19 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.22 | 22 | 0-2 |
| | | 500RB | | 829 | 20450 | 21.18 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.15 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.18 | 22 | 0-2 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 829 | 20450 | 21.71 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.93 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.38 | 22 | 0-2 |
| | | | 25 | 829 | 20450 | 21.48 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.47 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.96 | 22 | 0-2 |
| | | | 49 | 829 | 20450 | 21.79 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.63 | 22 | 0-2 |
| | | | | 844 | 20600 | 21.80 | 22 | 0-2 |
| | | 25 RB | 0 | 829 | 20450 | 20.31 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.43 | 21 | 0-3 |
| | | | | 844 | 20600 | 20.46 | 21 | 0-3 |
| | | | 12 | 829 | 20450 | 20.57 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.38 | 21 | 0-3 |
| | | | | 844 | 20600 | 20.47 | 21 | 0-3 |
| | | | 25 | 829 | 20450 | 20.31 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.40 | 21 | 0-3 |
| | | | | 844 | 20600 | 20.42 | 21 | 0-3 |
| | | 500RB | | 829 | 20450 | 20.39 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.37 | 21 | 0-3 |
| | | | | 844 | 20600 | 20.39 | 21 | 0-3 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 826.5 | 20425 | 23.10 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.14 | 24 | 0 |
| | | | | 846.5 | 20625 | 23.05 | 24 | 0 |
| | | | 12 | 826.5 | 20425 | 23.15 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.05 | 24 | 0 |
| | | | | 846.5 | 20625 | 22.99 | 24 | 0 |
| | | | 24 | 826.5 | 20425 | 23.07 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.97 | 24 | 0 |
| | | | | 846.5 | 20625 | 23.05 | 24 | 0 |
| | | 12 RB | 0 | 826.5 | 20425 | 22.22 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.14 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.14 | 23 | 0-1 |
| | | | 6 | 826.5 | 20425 | 22.23 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.13 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.14 | 23 | 0-1 |
| | | | 13 | 826.5 | 20425 | 22.08 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.10 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.09 | 23 | 0-1 |
| | | 25RB | | 826.5 | 20425 | 22.19 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.19 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.07 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 826.5 | 20425 | 22.19 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.05 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.11 | 23 | 0-1 |
| | | | 12 | 826.5 | 20425 | 22.38 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.64 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.57 | 23 | 0-1 |
| | | | 24 | 826.5 | 20425 | 22.17 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.72 | 23 | 0-1 |
| | | | | 846.5 | 20625 | 22.22 | 23 | 0-1 |
| | | 12 RB | 0 | 826.5 | 20425 | 21.29 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.17 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.10 | 22 | 0-2 |
| | | | 6 | 826.5 | 20425 | 21.24 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.10 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.15 | 22 | 0-2 |
| | | | 13 | 826.5 | 20425 | 21.25 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.05 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.03 | 22 | 0-2 |
| | | 25RB | | 826.5 | 20425 | 21.21 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.12 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.03 | 22 | 0-2 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 826.5 | 20425 | 21.42 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.25 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.32 | 22 | 0-2 |
| | | | 12 | 826.5 | 20425 | 21.66 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.85 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.83 | 22 | 0-2 |
| | | | 24 | 826.5 | 20425 | 21.46 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.95 | 22 | 0-2 |
| | | | | 846.5 | 20625 | 21.49 | 22 | 0-2 |
| | | 12 RB | 0 | 826.5 | 20425 | 20.55 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.40 | 21 | 0-3 |
| | | | | 846.5 | 20625 | 20.32 | 21 | 0-3 |
| | | | 6 | 826.5 | 20425 | 20.51 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.37 | 21 | 0-3 |
| | | | | 846.5 | 20625 | 20.39 | 21 | 0-3 |
| | | | 13 | 826.5 | 20425 | 20.48 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.29 | 21 | 0-3 |
| | | | | 846.5 | 20625 | 20.24 | 21 | 0-3 |
| | | 25RB | | 826.5 | 20425 | 20.47 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.41 | 21 | 0-3 |
| | | | | 846.5 | 20625 | 20.25 | 21 | 0-3 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | QPSK | 1 RB | 0 | 825.5 | 20415 | 22.86 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.93 | 24 | 0 |
| | | | | 847.5 | 20635 | 22.77 | 24 | 0 |
| | | | 7 | 825.5 | 20415 | 22.93 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.21 | 24 | 0 |
| | | | | 847.5 | 20635 | 22.83 | 24 | 0 |
| | | | 14 | 825.5 | 20415 | 22.86 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.96 | 24 | 0 |
| | | | | 847.5 | 20635 | 22.79 | 24 | 0 |
| | | 8 RB | 0 | 825.5 | 20415 | 22.11 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 21.99 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.04 | 23 | 0-1 |
| | | | 4 | 825.5 | 20415 | 22.12 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.13 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.14 | 23 | 0-1 |
| | | | 7 | 825.5 | 20415 | 22.15 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.12 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.08 | 23 | 0-1 |
| | | 15RB | | 825.5 | 20415 | 22.12 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.07 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 21.95 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 825.5 | 20415 | 22.30 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.60 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.07 | 23 | 0-1 |
| | | | 7 | 825.5 | 20415 | 22.23 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.06 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.68 | 23 | 0-1 |
| | | | 14 | 825.5 | 20415 | 22.39 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.24 | 23 | 0-1 |
| | | | | 847.5 | 20635 | 22.41 | 23 | 0-1 |
| | | 8 RB | 0 | 825.5 | 20415 | 21.03 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.20 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.17 | 22 | 0-2 |
| | | | 4 | 825.5 | 20415 | 21.30 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.90 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.14 | 22 | 0-2 |
| | | | 7 | 825.5 | 20415 | 20.99 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.99 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.05 | 22 | 0-2 |
| | | 15RB | | 825.5 | 20415 | 21.18 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.97 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.14 | 22 | 0-2 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | 64-QAM | 1 RB | 0 | 825.5 | 20415 | 21.69 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.86 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.32 | 22 | 0-2 |
| | | | 7 | 825.5 | 20415 | 21.32 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.38 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.81 | 22 | 0-2 |
| | | | 14 | 825.5 | 20415 | 21.67 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.57 | 22 | 0-2 |
| | | | | 847.5 | 20635 | 21.62 | 22 | 0-2 |
| | | 8 RB | 0 | 825.5 | 20415 | 20.22 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.29 | 21 | 0-3 |
| | | | | 847.5 | 20635 | 20.30 | 21 | 0-3 |
| | | | 4 | 825.5 | 20415 | 20.53 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.24 | 21 | 0-3 |
| | | | | 847.5 | 20635 | 20.45 | 21 | 0-3 |
| | | | 7 | 825.5 | 20415 | 20.20 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.40 | 21 | 0-3 |
| | | | | 847.5 | 20635 | 20.33 | 21 | 0-3 |
| | | 15RB | | 825.5 | 20415 | 20.30 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 20.19 | 21 | 0-3 |
| | | | | 847.5 | 20635 | 20.32 | 21 | 0-3 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | QPSK | 1 RB | 0 | 824.7 | 20407 | 22.93 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.92 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.96 | 24 | 0 |
| | | | 2 | 824.7 | 20407 | 22.82 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.09 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.92 | 24 | 0 |
| | | | 5 | 824.7 | 20407 | 23.06 | 24 | 0 |
| | | | | 836.5 | 20525 | 23.08 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.99 | 24 | 0 |
| | | 3 RB | 0 | 824.7 | 20407 | 22.63 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.66 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.76 | 24 | 0 |
| | | | 2 | 824.7 | 20407 | 22.66 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.62 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.64 | 24 | 0 |
| | | | 3 | 824.7 | 20407 | 22.79 | 24 | 0 |
| | | | | 836.5 | 20525 | 22.75 | 24 | 0 |
| | | | | 848.3 | 20643 | 22.77 | 24 | 0 |
| | | 6RB | | 824.7 | 20407 | 21.89 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 21.83 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 22.01 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 824.7 | 20407 | 22.08 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.10 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 22.22 | 23 | 0-1 |
| | | | 2 | 824.7 | 20407 | 21.75 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 21.57 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 21.85 | 23 | 0-1 |
| | | | 5 | 824.7 | 20407 | 21.71 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 21.95 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 21.95 | 23 | 0-1 |
| | | 3 RB | 0 | 824.7 | 20407 | 21.96 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.04 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 22.08 | 23 | 0-1 |
| | | | 2 | 824.7 | 20407 | 21.90 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.39 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 22.30 | 23 | 0-1 |
| | | | 3 | 824.7 | 20407 | 21.94 | 23 | 0-1 |
| | | | | 836.5 | 20525 | 22.28 | 23 | 0-1 |
| | | | | 848.3 | 20643 | 21.98 | 23 | 0-1 |
| | | 6RB | | 824.7 | 20407 | 20.92 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.01 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.77 | 22 | 0-2 |

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| FDD Band 5 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | 64-QAM | 1 RB | 0 | 824.7 | 20407 | 21.07 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.00 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 21.10 | 22 | 0-2 |
| | | | 2 | 824.7 | 20407 | 20.81 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 21.05 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.81 | 22 | 0-2 |
| | | | 5 | 824.7 | 20407 | 20.87 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.76 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.88 | 22 | 0-2 |
| | | 3 RB | 0 | 824.7 | 20407 | 20.52 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.94 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.54 | 22 | 0-2 |
| | | | 2 | 824.7 | 20407 | 20.72 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.91 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.85 | 22 | 0-2 |
| | | | 3 | 824.7 | 20407 | 20.46 | 22 | 0-2 |
| | | | | 836.5 | 20525 | 20.74 | 22 | 0-2 |
| | | | | 848.3 | 20643 | 20.56 | 22 | 0-2 |
| | | 6RB | | 824.7 | 20407 | 19.69 | 21 | 0-3 |
| | | | | 836.5 | 20525 | 19.78 | 21 | 0-3 |
| | | | | 848.3 | 20643 | 19.71 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | QPSK | 1 RB | 0 | 2510 | 20850 | 22.79 | 24 | 0 |
| | | | | 2535 | 21100 | 22.71 | 24 | 0 |
| | | | | 2560 | 21350 | 22.83 | 24 | 0 |
| | | | 50 | 2510 | 20850 | 22.81 | 24 | 0 |
| | | | | 2535 | 21100 | 23.03 | 24 | 0 |
| | | | | 2560 | 21350 | 23.08 | 24 | 0 |
| | | | 99 | 2510 | 20850 | 22.89 | 24 | 0 |
| | | | | 2535 | 21100 | 23.01 | 24 | 0 |
| | | | | 2560 | 21350 | 23.11 | 24 | 0 |
| | | 50 RB | 0 | 2510 | 20850 | 21.81 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.87 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.02 | 23 | 0-1 |
| | | | 25 | 2510 | 20850 | 21.94 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.04 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.15 | 23 | 0-1 |
| | | | 50 | 2510 | 20850 | 21.99 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.98 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.17 | 23 | 0-1 |
| | | 100RB | | 2510 | 20850 | 21.94 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.05 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.02 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2510 | 20850 | 22.13 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.28 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.05 | 23 | 0-1 |
| | | | 50 | 2510 | 20850 | 22.07 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.03 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.09 | 23 | 0-1 |
| | | | 99 | 2510 | 20850 | 22.29 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.09 | 23 | 0-1 |
| | | | | 2560 | 21350 | 22.61 | 23 | 0-1 |
| | | 50 RB | 0 | 2510 | 20850 | 20.82 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.91 | 22 | 0-2 |
| | | | | 2560 | 21350 | 20.98 | 22 | 0-2 |
| | | | 25 | 2510 | 20850 | 20.99 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.11 | 22 | 0-2 |
| | | | | 2560 | 21350 | 21.06 | 22 | 0-2 |
| | | | 50 | 2510 | 20850 | 21.07 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.01 | 22 | 0-2 |
| | | | | 2560 | 21350 | 21.25 | 22 | 0-2 |
| | | 100RB | | 2510 | 20850 | 20.93 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.97 | 22 | 0-2 |
| | | | | 2560 | 21350 | 20.99 | 22 | 0-2 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 64-QAM | 1 RB | 0 | 2510 | 20850 | 21.47 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.63 | 22 | 0-2 |
| | | | | 2560 | 21350 | 21.43 | 22 | 0-2 |
| | | | 50 | 2510 | 20850 | 21.39 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.34 | 22 | 0-2 |
| | | | | 2560 | 21350 | 21.41 | 22 | 0-2 |
| | | | 99 | 2510 | 20850 | 21.62 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.48 | 22 | 0-2 |
| | | | | 2560 | 21350 | 21.96 | 22 | 0-2 |
| | | 50 RB | 0 | 2510 | 20850 | 20.20 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.26 | 21 | 0-3 |
| | | | | 2560 | 21350 | 20.30 | 21 | 0-3 |
| | | | 25 | 2510 | 20850 | 20.35 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.41 | 21 | 0-3 |
| | | | | 2560 | 21350 | 20.36 | 21 | 0-3 |
| | | | 50 | 2510 | 20850 | 20.43 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.40 | 21 | 0-3 |
| | | | | 2560 | 21350 | 20.61 | 21 | 0-3 |
| | | 100RB | | 2510 | 20850 | 20.29 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.34 | 21 | 0-3 |
| | | | | 2560 | 21350 | 20.29 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | QPSK | 1 RB | 0 | 2507.5 | 20825 | 22.59 | 24 | 0 |
| | | | | 2535 | 21100 | 22.66 | 24 | 0 |
| | | | | 2562.5 | 21375 | 22.81 | 24 | 0 |
| | | | 36 | 2507.5 | 20825 | 22.62 | 24 | 0 |
| | | | | 2535 | 21100 | 23.00 | 24 | 0 |
| | | | | 2562.5 | 21375 | 23.07 | 24 | 0 |
| | | | 74 | 2507.5 | 20825 | 22.70 | 24 | 0 |
| | | | | 2535 | 21100 | 22.86 | 24 | 0 |
| | | | | 2562.5 | 21375 | 22.97 | 24 | 0 |
| | | 36 RB | 0 | 2507.5 | 20825 | 21.73 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.67 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 21.82 | 23 | 0-1 |
| | | | 18 | 2507.5 | 20825 | 21.89 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.92 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 22.12 | 23 | 0-1 |
| | | | 37 | 2507.5 | 20825 | 21.95 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.88 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 22.10 | 23 | 0-1 |
| | | 75RB | | 2507.5 | 20825 | 21.75 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.93 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 21.90 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2507.5 | 20825 | 21.94 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.18 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 21.94 | 23 | 0-1 |
| | | | 36 | 2507.5 | 20825 | 22.01 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.87 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 22.08 | 23 | 0-1 |
| | | | 74 | 2507.5 | 20825 | 22.12 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.93 | 23 | 0-1 |
| | | | | 2562.5 | 21375 | 22.52 | 23 | 0-1 |
| | | 36 RB | 0 | 2507.5 | 20825 | 20.74 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.79 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.84 | 22 | 0-2 |
| | | | 18 | 2507.5 | 20825 | 20.87 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.02 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.96 | 22 | 0-2 |
| | | | 37 | 2507.5 | 20825 | 20.98 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.94 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 21.24 | 22 | 0-2 |
| | | 75RB | | 2507.5 | 20825 | 20.75 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.90 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.90 | 22 | 0-2 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 64-QAM | 1 RB | 0 | 2507.5 | 20825 | 21.34 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.49 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 21.36 | 22 | 0-2 |
| | | | 36 | 2507.5 | 20825 | 21.34 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.20 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 21.32 | 22 | 0-2 |
| | | | 74 | 2507.5 | 20825 | 21.55 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.39 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 21.89 | 22 | 0-2 |
| | | 36 RB | 0 | 2507.5 | 20825 | 20.05 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.09 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 20.15 | 21 | 0-3 |
| | | | 18 | 2507.5 | 20825 | 20.20 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.26 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 20.28 | 21 | 0-3 |
| | | | 37 | 2507.5 | 20825 | 20.25 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.27 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 20.57 | 21 | 0-3 |
| | | 75RB | | 2507.5 | 20825 | 20.14 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.25 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 20.13 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 2505 | 20800 | 22.76 | 24 | 0 |
| | | | | 2535 | 21100 | 22.65 | 24 | 0 |
| | | | | 2565 | 21400 | 22.73 | 24 | 0 |
| | | | 25 | 2505 | 20800 | 22.72 | 24 | 0 |
| | | | | 2535 | 21100 | 22.92 | 24 | 0 |
| | | | | 2565 | 21400 | 23.05 | 24 | 0 |
| | | | 49 | 2505 | 20800 | 22.82 | 24 | 0 |
| | | | | 2535 | 21100 | 22.99 | 24 | 0 |
| | | | | 2565 | 21400 | 22.93 | 24 | 0 |
| | | 25 RB | 0 | 2505 | 20800 | 21.67 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.69 | 23 | 0-1 |
| | | | | 2565 | 21400 | 21.98 | 23 | 0-1 |
| | | | 12 | 2505 | 20800 | 21.94 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.03 | 23 | 0-1 |
| | | | | 2565 | 21400 | 22.14 | 23 | 0-1 |
| | | | 25 | 2505 | 20800 | 21.88 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.97 | 23 | 0-1 |
| | | | | 2565 | 21400 | 22.07 | 23 | 0-1 |
| | | 50RB | | 2505 | 20800 | 21.91 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.04 | 23 | 0-1 |
| | | | | 2565 | 21400 | 21.91 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2505 | 20800 | 21.98 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.09 | 23 | 0-1 |
| | | | | 2565 | 21400 | 22.01 | 23 | 0-1 |
| | | | 25 | 2505 | 20800 | 21.94 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.89 | 23 | 0-1 |
| | | | | 2565 | 21400 | 22.06 | 23 | 0-1 |
| | | | 49 | 2505 | 20800 | 22.24 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.89 | 23 | 0-1 |
| | | | | 2565 | 21400 | 22.46 | 23 | 0-1 |
| | | 25 RB | 0 | 2505 | 20800 | 20.75 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.76 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.82 | 22 | 0-2 |
| | | | 12 | 2505 | 20800 | 20.86 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.11 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.91 | 22 | 0-2 |
| | | | 25 | 2505 | 20800 | 20.98 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.95 | 22 | 0-2 |
| | | | | 2565 | 21400 | 21.15 | 22 | 0-2 |
| | | 50RB | | 2505 | 20800 | 20.87 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.83 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.80 | 22 | 0-2 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 2505 | 20800 | 21.29 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.55 | 22 | 0-2 |
| | | | | 2565 | 21400 | 21.36 | 22 | 0-2 |
| | | | 25 | 2505 | 20800 | 21.33 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.19 | 22 | 0-2 |
| | | | | 2565 | 21400 | 21.26 | 22 | 0-2 |
| | | | 49 | 2505 | 20800 | 21.50 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.44 | 22 | 0-2 |
| | | | | 2565 | 21400 | 21.85 | 22 | 0-2 |
| | | 25 RB | 0 | 2505 | 20800 | 20.15 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.25 | 21 | 0-3 |
| | | | | 2565 | 21400 | 20.25 | 21 | 0-3 |
| | | | 12 | 2505 | 20800 | 20.18 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.33 | 21 | 0-3 |
| | | | | 2565 | 21400 | 20.34 | 21 | 0-3 |
| | | | 25 | 2505 | 20800 | 20.30 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.30 | 21 | 0-3 |
| | | | | 2565 | 21400 | 20.54 | 21 | 0-3 |
| | | 50RB | | 2505 | 20800 | 20.18 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.23 | 21 | 0-3 |
| | | | | 2565 | 21400 | 20.14 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 2502.5 | 20775 | 22.68 | 24 | 0 |
| | | | | 2535 | 21100 | 22.69 | 24 | 0 |
| | | | | 2567.5 | 21425 | 22.73 | 24 | 0 |
| | | | 12 | 2502.5 | 20775 | 22.77 | 24 | 0 |
| | | | | 2535 | 21100 | 23.00 | 24 | 0 |
| | | | | 2567.5 | 21425 | 22.99 | 24 | 0 |
| | | | 24 | 2502.5 | 20775 | 22.83 | 24 | 0 |
| | | | | 2535 | 21100 | 22.85 | 24 | 0 |
| | | | | 2567.5 | 21425 | 22.94 | 24 | 0 |
| | | 12 RB | 0 | 2502.5 | 20775 | 21.68 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.73 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 21.90 | 23 | 0-1 |
| | | | 6 | 2502.5 | 20775 | 21.77 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.94 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 22.11 | 23 | 0-1 |
| | | | 13 | 2502.5 | 20775 | 21.92 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.87 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 22.11 | 23 | 0-1 |
| | | 25RB | | 2502.5 | 20775 | 21.83 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.97 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 21.98 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2502.5 | 20775 | 21.99 | 23 | 0-1 |
| | | | | 2535 | 21100 | 22.18 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 21.92 | 23 | 0-1 |
| | | | 12 | 2502.5 | 20775 | 22.01 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.91 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 22.07 | 23 | 0-1 |
| | | | 24 | 2502.5 | 20775 | 22.25 | 23 | 0-1 |
| | | | | 2535 | 21100 | 21.92 | 23 | 0-1 |
| | | | | 2567.5 | 21425 | 22.58 | 23 | 0-1 |
| | | 12 RB | 0 | 2502.5 | 20775 | 20.69 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.77 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.79 | 22 | 0-2 |
| | | | 6 | 2502.5 | 20775 | 20.79 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.03 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.92 | 22 | 0-2 |
| | | | 13 | 2502.5 | 20775 | 20.94 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.00 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 21.19 | 22 | 0-2 |
| | | 25RB | | 2502.5 | 20775 | 20.82 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.82 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.85 | 22 | 0-2 |

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| FDD Band 7 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 2502.5 | 20775 | 21.33 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.52 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 21.28 | 22 | 0-2 |
| | | | 12 | 2502.5 | 20775 | 21.28 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.28 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 21.31 | 22 | 0-2 |
| | | | 24 | 2502.5 | 20775 | 21.49 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.45 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 21.92 | 22 | 0-2 |
| | | 12 RB | 0 | 2502.5 | 20775 | 20.06 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.23 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 20.12 | 21 | 0-3 |
| | | | 6 | 2502.5 | 20775 | 20.29 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.24 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 20.35 | 21 | 0-3 |
| | | | 13 | 2502.5 | 20775 | 20.29 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.28 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 20.59 | 21 | 0-3 |
| | | 25RB | | 2502.5 | 20775 | 20.18 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.22 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 20.20 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 704 | 23060 | 23.00 | 24 | 0 |
| | | | | 707.5 | 23095 | 23.12 | 24 | 0 |
| | | | | 711 | 23130 | 22.82 | 24 | 0 |
| | | | 25 | 704 | 23060 | 22.96 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.88 | 24 | 0 |
| | | | | 711 | 23130 | 22.97 | 24 | 0 |
| | | | 49 | 704 | 23060 | 22.95 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.82 | 24 | 0 |
| | | | | 711 | 23130 | 22.91 | 24 | 0 |
| | | 25 RB | 0 | 704 | 23060 | 22.02 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.06 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.00 | 23 | 0-1 |
| | | | 12 | 704 | 23060 | 22.10 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.10 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.12 | 23 | 0-1 |
| | | | 25 | 704 | 23060 | 22.10 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.18 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.10 | 23 | 0-1 |
| | | 50RB | | 704 | 23060 | 22.37 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.95 | 23 | 0-1 |
| | | | | 711 | 23130 | 21.99 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 704 | 23060 | 22.09 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.56 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.42 | 23 | 0-1 |
| | | | 25 | 704 | 23060 | 22.55 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.67 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.08 | 23 | 0-1 |
| | | | 49 | 704 | 23060 | 22.25 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.68 | 23 | 0-1 |
| | | | | 711 | 23130 | 22.09 | 23 | 0-1 |
| | | 25 RB | 0 | 704 | 23060 | 21.07 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.97 | 22 | 0-2 |
| | | | | 711 | 23130 | 20.99 | 22 | 0-2 |
| | | | 12 | 704 | 23060 | 21.17 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.16 | 22 | 0-2 |
| | | | | 711 | 23130 | 20.96 | 22 | 0-2 |
| | | | 25 | 704 | 23060 | 21.11 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.17 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.11 | 22 | 0-2 |
| | | 50RB | | 704 | 23060 | 21.25 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.10 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.03 | 22 | 0-2 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 704 | 23060 | 21.20 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.75 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.57 | 22 | 0-2 |
| | | | 25 | 704 | 23060 | 21.75 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.82 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.25 | 22 | 0-2 |
| | | | 49 | 704 | 23060 | 21.38 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.83 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.22 | 22 | 0-2 |
| | | 25 RB | 0 | 704 | 23060 | 20.18 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.12 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.13 | 21 | 0-3 |
| | | | 12 | 704 | 23060 | 20.36 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.29 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.12 | 21 | 0-3 |
| | | | 25 | 704 | 23060 | 20.27 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.35 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.22 | 21 | 0-3 |
| | | 50RB | | 704 | 23060 | 20.44 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.27 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.13 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 701.5 | 23035 | 23.06 | 24 | 0 |
| | | | | 707.5 | 23095 | 23.04 | 24 | 0 |
| | | | | 713.5 | 23155 | 22.87 | 24 | 0 |
| | | | 12 | 701.5 | 23035 | 23.01 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.98 | 24 | 0 |
| | | | | 713.5 | 23155 | 22.98 | 24 | 0 |
| | | | 24 | 701.5 | 23035 | 23.05 | 24 | 0 |
| | | | | 707.5 | 23095 | 23.02 | 24 | 0 |
| | | | | 713.5 | 23155 | 22.98 | 24 | 0 |
| | | 12 RB | 0 | 701.5 | 23035 | 22.17 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.05 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.02 | 23 | 0-1 |
| | | | 6 | 701.5 | 23035 | 22.14 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.06 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.09 | 23 | 0-1 |
| | | | 13 | 701.5 | 23035 | 22.08 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.12 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.01 | 23 | 0-1 |
| | | 25RB | | 701.5 | 23035 | 22.17 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.08 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.04 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 701.5 | 23035 | 22.63 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.37 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.49 | 23 | 0-1 |
| | | | 12 | 701.5 | 23035 | 22.14 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.55 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.24 | 23 | 0-1 |
| | | | 24 | 701.5 | 23035 | 22.35 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.59 | 23 | 0-1 |
| | | | | 713.5 | 23155 | 22.55 | 23 | 0-1 |
| | | 12 RB | 0 | 701.5 | 23035 | 21.29 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.05 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.06 | 22 | 0-2 |
| | | | 6 | 701.5 | 23035 | 21.16 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.10 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.19 | 22 | 0-2 |
| | | | 13 | 701.5 | 23035 | 21.11 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.03 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.14 | 22 | 0-2 |
| | | 25RB | | 701.5 | 23035 | 21.11 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.96 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 20.99 | 22 | 0-2 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 701.5 | 23035 | 21.75 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.56 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.68 | 22 | 0-2 |
| | | | 12 | 701.5 | 23035 | 21.28 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.69 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.43 | 22 | 0-2 |
| | | | 24 | 701.5 | 23035 | 21.49 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.71 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.66 | 22 | 0-2 |
| | | 12 RB | 0 | 701.5 | 23035 | 20.45 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.25 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.17 | 21 | 0-3 |
| | | | 6 | 701.5 | 23035 | 20.30 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.23 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.33 | 21 | 0-3 |
| | | | 13 | 701.5 | 23035 | 20.25 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.22 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.27 | 21 | 0-3 |
| | | 25RB | | 701.5 | 23035 | 20.29 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.16 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.11 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | QPSK | 1 RB | 0 | 700.5 | 23025 | 22.99 | 24 | 0 |
| | | | | 707.5 | 23095 | 23.01 | 24 | 0 |
| | | | | 714.5 | 23165 | 22.72 | 24 | 0 |
| | | | 7 | 700.5 | 23025 | 22.78 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.73 | 24 | 0 |
| | | | | 714.5 | 23165 | 22.91 | 24 | 0 |
| | | | 14 | 700.5 | 23025 | 22.77 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.79 | 24 | 0 |
| | | | | 714.5 | 23165 | 22.76 | 24 | 0 |
| | | 8 RB | 0 | 700.5 | 23025 | 21.88 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.96 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 21.88 | 23 | 0-1 |
| | | | 4 | 700.5 | 23025 | 21.91 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.97 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 22.07 | 23 | 0-1 |
| | | | 7 | 700.5 | 23025 | 21.92 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.08 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 21.95 | 23 | 0-1 |
| | | 15RB | | 700.5 | 23025 | 22.18 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.91 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 21.87 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 700.5 | 23025 | 21.91 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.54 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 22.32 | 23 | 0-1 |
| | | | 7 | 700.5 | 23025 | 22.51 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.59 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 21.91 | 23 | 0-1 |
| | | | 14 | 700.5 | 23025 | 22.21 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 22.53 | 23 | 0-1 |
| | | | | 714.5 | 23165 | 21.91 | 23 | 0-1 |
| | | 8 RB | 0 | 700.5 | 23025 | 20.88 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.93 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 20.97 | 22 | 0-2 |
| | | | 4 | 700.5 | 23025 | 21.10 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.11 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 20.82 | 22 | 0-2 |
| | | | 7 | 700.5 | 23025 | 21.02 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.16 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.10 | 22 | 0-2 |
| | | 15RB | | 700.5 | 23025 | 21.17 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.03 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 20.86 | 22 | 0-2 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 3 | 64-QAM | 1 RB | 0 | 700.5 | 23025 | 21.17 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.69 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.55 | 22 | 0-2 |
| | | | 7 | 700.5 | 23025 | 21.61 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.70 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.12 | 22 | 0-2 |
| | | | 14 | 700.5 | 23025 | 21.21 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.83 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.16 | 22 | 0-2 |
| | | 8 RB | 0 | 700.5 | 23025 | 20.09 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 19.92 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 19.99 | 21 | 0-3 |
| | | | 4 | 700.5 | 23025 | 20.31 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.24 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.09 | 21 | 0-3 |
| | | | 7 | 700.5 | 23025 | 20.09 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.17 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.09 | 21 | 0-3 |
| | | 15RB | | 700.5 | 23025 | 20.43 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.25 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.09 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | QPSK | 1 RB | 0 | 699.7 | 23017 | 22.37 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.67 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.67 | 24 | 0 |
| | | | 2 | 699.7 | 23017 | 22.51 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.60 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.66 | 24 | 0 |
| | | | 5 | 699.7 | 23017 | 22.53 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.58 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.69 | 24 | 0 |
| | | 3 RB | 0 | 699.7 | 23017 | 22.67 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.47 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.55 | 24 | 0 |
| | | | 2 | 699.7 | 23017 | 22.71 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.72 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.51 | 24 | 0 |
| | | | 3 | 699.7 | 23017 | 22.65 | 24 | 0 |
| | | | | 707.5 | 23095 | 22.55 | 24 | 0 |
| | | | | 715.3 | 23173 | 22.50 | 24 | 0 |
| | | 6RB | | 699.7 | 23017 | 21.76 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.46 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.55 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 699.7 | 23017 | 21.48 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.63 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.58 | 23 | 0-1 |
| | | | 2 | 699.7 | 23017 | 21.68 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.65 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.54 | 23 | 0-1 |
| | | | 5 | 699.7 | 23017 | 21.53 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.49 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.51 | 23 | 0-1 |
| | | 3 RB | 0 | 699.7 | 23017 | 21.53 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.63 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.51 | 23 | 0-1 |
| | | | 2 | 699.7 | 23017 | 21.66 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.52 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.63 | 23 | 0-1 |
| | | | 3 | 699.7 | 23017 | 21.56 | 23 | 0-1 |
| | | | | 707.5 | 23095 | 21.54 | 23 | 0-1 |
| | | | | 715.3 | 23173 | 21.63 | 23 | 0-1 |
| | | 6RB | | 699.7 | 23017 | 20.51 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.59 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.48 | 22 | 0-2 |

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| FDD Band 12 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 1.4 | 64-QAM | 1 RB | 0 | 699.7 | 23017 | 21.00 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.85 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.92 | 22 | 0-2 |
| | | | 2 | 699.7 | 23017 | 21.02 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.03 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.92 | 22 | 0-2 |
| | | | 5 | 699.7 | 23017 | 20.80 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.95 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.91 | 22 | 0-2 |
| | | 3 RB | 0 | 699.7 | 23017 | 20.98 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.79 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.95 | 22 | 0-2 |
| | | | 2 | 699.7 | 23017 | 21.04 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.99 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.02 | 22 | 0-2 |
| | | | 3 | 699.7 | 23017 | 20.94 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 20.95 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 20.96 | 22 | 0-2 |
| | | 6RB | | 699.7 | 23017 | 20.09 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.08 | 21 | 0-3 |
| | | | | 715.3 | 23173 | 19.98 | 21 | 0-3 |

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| FDD Band 13 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 782 | 23230 | 23.23 | 24 | 0 |
| | | | 25 | 782 | 23230 | 23.39 | 24 | 0 |
| | | | 49 | 782 | 23230 | 23.18 | 24 | 0 |
| | | 25 RB | 0 | 782 | 23230 | 22.33 | 23 | 0-1 |
| | | | 12 | 782 | 23230 | 22.36 | 23 | 0-1 |
| | | | 25 | 782 | 23230 | 22.50 | 23 | 0-1 |
| | | 50RB | | 782 | 23230 | 22.32 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 782 | 23230 | 22.61 | 23 | 0-1 |
| | | | 25 | 782 | 23230 | 22.63 | 23 | 0-1 |
| | | | 49 | 782 | 23230 | 22.48 | 23 | 0-1 |
| | | 25 RB | 0 | 782 | 23230 | 21.23 | 22 | 0-2 |
| | | | 12 | 782 | 23230 | 21.39 | 22 | 0-2 |
| | | | 25 | 782 | 23230 | 21.38 | 22 | 0-2 |
| | | 50RB | | 782 | 23230 | 21.46 | 22 | 0-2 |
| | 64-QAM | 1 RB | 0 | 782 | 23230 | 21.68 | 22 | 0-2 |
| | | | 25 | 782 | 23230 | 21.73 | 22 | 0-2 |
| | | | 49 | 782 | 23230 | 21.51 | 22 | 0-2 |
| | | 25 RB | 0 | 782 | 23230 | 20.24 | 21 | 0-3 |
| | | | 12 | 782 | 23230 | 20.40 | 21 | 0-3 |
| | | | 25 | 782 | 23230 | 20.47 | 21 | 0-3 |
| | | 50RB | | 782 | 23230 | 20.52 | 21 | 0-3 |

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| FDD Band 13 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 779.5 | 23205 | 23.08 | 24 | 0 |
| | | | | 782 | 23230 | 23.30 | 24 | 0 |
| | | | | 784.5 | 23255 | 23.20 | 24 | 0 |
| | | | 12 | 779.5 | 23205 | 23.21 | 24 | 0 |
| | | | | 782 | 23230 | 23.18 | 24 | 0 |
| | | | | 784.5 | 23255 | 23.12 | 24 | 0 |
| | | | 24 | 779.5 | 23205 | 23.11 | 24 | 0 |
| | | | | 782 | 23230 | 23.25 | 24 | 0 |
| | | | | 784.5 | 23255 | 23.34 | 24 | 0 |
| | | 12 RB | 0 | 779.5 | 23205 | 22.31 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.39 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.35 | 23 | 0-1 |
| | | | 6 | 779.5 | 23205 | 22.36 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.35 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.40 | 23 | 0-1 |
| | | | 13 | 779.5 | 23205 | 22.32 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.41 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.43 | 23 | 0-1 |
| | | 25RB | | 779.5 | 23205 | 22.34 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.27 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.33 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 779.5 | 23205 | 22.05 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.37 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.64 | 23 | 0-1 |
| | | | 12 | 779.5 | 23205 | 22.69 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.17 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.36 | 23 | 0-1 |
| | | | 24 | 779.5 | 23205 | 22.39 | 23 | 0-1 |
| | | | | 782 | 23230 | 22.80 | 23 | 0-1 |
| | | | | 784.5 | 23255 | 22.78 | 23 | 0-1 |
| | | 12 RB | 0 | 779.5 | 23205 | 21.50 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.35 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.38 | 22 | 0-2 |
| | | | 6 | 779.5 | 23205 | 21.38 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.37 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.45 | 22 | 0-2 |
| | | | 13 | 779.5 | 23205 | 21.38 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.40 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.53 | 22 | 0-2 |
| | | 25RB | | 779.5 | 23205 | 21.42 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.22 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.49 | 22 | 0-2 |

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| FDD Band 13 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 779.5 | 23205 | 21.28 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.57 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.84 | 22 | 0-2 |
| | | | 12 | 779.5 | 23205 | 21.92 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.39 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.62 | 22 | 0-2 |
| | | | 24 | 779.5 | 23205 | 21.63 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.88 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.79 | 22 | 0-2 |
| | | 12 RB | 0 | 779.5 | 23205 | 20.78 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.60 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.64 | 21 | 0-3 |
| | | | 6 | 779.5 | 23205 | 20.63 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.59 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.66 | 21 | 0-3 |
| | | | 13 | 779.5 | 23205 | 20.65 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.66 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.73 | 21 | 0-3 |
| | | 25RB | | 779.5 | 23205 | 20.64 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.47 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.78 | 21 | 0-3 |

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| FDD Band 17 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 709 | 23780 | 22.85 | 24 | 0 |
| | | | | 710 | 23790 | 22.87 | 24 | 0 |
| | | | | 711 | 23800 | 22.75 | 24 | 0 |
| | | | 25 | 709 | 23780 | 22.97 | 24 | 0 |
| | | | | 710 | 23790 | 22.92 | 24 | 0 |
| | | | | 711 | 23800 | 22.91 | 24 | 0 |
| | | | 49 | 709 | 23780 | 22.99 | 24 | 0 |
| | | | | 710 | 23790 | 22.90 | 24 | 0 |
| | | | | 711 | 23800 | 23.08 | 24 | 0 |
| | | 25 RB | 0 | 709 | 23780 | 21.97 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.97 | 23 | 0-1 |
| | | | | 711 | 23800 | 21.92 | 23 | 0-1 |
| | | | 12 | 709 | 23780 | 22.09 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.11 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.00 | 23 | 0-1 |
| | | | 25 | 709 | 23780 | 22.20 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.14 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.13 | 23 | 0-1 |
| | | 50RB | | 709 | 23780 | 22.12 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.96 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.04 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 709 | 23780 | 22.48 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.06 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.20 | 23 | 0-1 |
| | | | 25 | 709 | 23780 | 22.56 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.96 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.05 | 23 | 0-1 |
| | | | 49 | 709 | 23780 | 22.27 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.03 | 23 | 0-1 |
| | | | | 711 | 23800 | 22.57 | 23 | 0-1 |
| | | 25 RB | 0 | 709 | 23780 | 20.98 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.92 | 22 | 0-2 |
| | | | | 711 | 23800 | 20.99 | 22 | 0-2 |
| | | | 12 | 709 | 23780 | 21.16 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.05 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.06 | 22 | 0-2 |
| | | | 25 | 709 | 23780 | 21.06 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.04 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.22 | 22 | 0-2 |
| | | 50RB | | 709 | 23780 | 21.15 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.03 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.04 | 22 | 0-2 |

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| FDD Band 17 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 709 | 23780 | 21.61 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.20 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.32 | 22 | 0-2 |
| | | | 25 | 709 | 23780 | 21.70 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.13 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.24 | 22 | 0-2 |
| | | | 49 | 709 | 23780 | 21.39 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.20 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.70 | 22 | 0-2 |
| | | 25 RB | 0 | 709 | 23780 | 20.14 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.11 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.13 | 21 | 0-3 |
| | | | 12 | 709 | 23780 | 20.33 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.19 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.24 | 21 | 0-3 |
| | | | 25 | 709 | 23780 | 20.25 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.21 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.34 | 21 | 0-3 |
| | | 50RB | | 709 | 23780 | 20.26 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.22 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.15 | 21 | 0-3 |

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| FDD Band 17 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 706.5 | 23755 | 22.74 | 24 | 0 |
| | | | | 710 | 23790 | 22.80 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.56 | 24 | 0 |
| | | | 12 | 706.5 | 23755 | 22.89 | 24 | 0 |
| | | | | 710 | 23790 | 22.85 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.75 | 24 | 0 |
| | | | 24 | 706.5 | 23755 | 22.86 | 24 | 0 |
| | | | | 710 | 23790 | 22.75 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.92 | 24 | 0 |
| | | 12 RB | 0 | 706.5 | 23755 | 21.77 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.84 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.84 | 23 | 0-1 |
| | | | 6 | 706.5 | 23755 | 21.99 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.97 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.87 | 23 | 0-1 |
| | | | 13 | 706.5 | 23755 | 22.14 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.99 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 22.06 | 23 | 0-1 |
| | | 25RB | | 706.5 | 23755 | 22.01 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.79 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.93 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 706.5 | 23755 | 22.32 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.06 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 22.19 | 23 | 0-1 |
| | | | 12 | 706.5 | 23755 | 22.53 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.79 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.87 | 23 | 0-1 |
| | | | 24 | 706.5 | 23755 | 22.15 | 23 | 0-1 |
| | | | | 710 | 23790 | 22.00 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 22.49 | 23 | 0-1 |
| | | 12 RB | 0 | 706.5 | 23755 | 20.78 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.83 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.94 | 22 | 0-2 |
| | | | 6 | 706.5 | 23755 | 21.02 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.87 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.90 | 22 | 0-2 |
| | | | 13 | 706.5 | 23755 | 20.91 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.86 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.12 | 22 | 0-2 |
| | | 25RB | | 706.5 | 23755 | 21.05 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.03 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.88 | 22 | 0-2 |

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| FDD Band 17 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 706.5 | 23755 | 21.48 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.08 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.30 | 22 | 0-2 |
| | | | 12 | 706.5 | 23755 | 21.66 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.08 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.08 | 22 | 0-2 |
| | | | 24 | 706.5 | 23755 | 21.26 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.16 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.68 | 22 | 0-2 |
| | | 12 RB | 0 | 706.5 | 23755 | 19.97 | 21 | 0-3 |
| | | | | 710 | 23790 | 19.95 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 19.98 | 21 | 0-3 |
| | | | 6 | 706.5 | 23755 | 20.18 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.12 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.10 | 21 | 0-3 |
| | | | 13 | 706.5 | 23755 | 20.08 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.06 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.26 | 21 | 0-3 |
| | | 25RB | | 706.5 | 23755 | 20.08 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.13 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.11 | 21 | 0-3 |

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## LTE TDD Band 38 / Band 41 power table:

| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | QPSK | 1 RB | 0 | 2580 | 37850 | 22.84 | 24 | 0 |
| | | | | 2595 | 38000 | 22.93 | 24 | 0 |
| | | | | 2610 | 38150 | 22.90 | 24 | 0 |
| | | | 50 | 2580 | 37850 | 22.93 | 24 | 0 |
| | | | | 2595 | 38000 | 22.95 | 24 | 0 |
| | | | | 2610 | 38150 | 22.99 | 24 | 0 |
| | | | 99 | 2580 | 37850 | 22.89 | 24 | 0 |
| | | | | 2595 | 38000 | 22.93 | 24 | 0 |
| | | | | 2610 | 38150 | 22.97 | 24 | 0 |
| | | 50 RB | 0 | 2580 | 37850 | 22.13 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.21 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.26 | 23 | 0-1 |
| | | | 25 | 2580 | 37850 | 22.14 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.14 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.30 | 23 | 0-1 |
| | | | 50 | 2580 | 37850 | 22.18 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.27 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.46 | 23 | 0-1 |
| | | 100RB | | 2580 | 37850 | 22.14 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.20 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.22 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2580 | 37850 | 22.39 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.39 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.38 | 23 | 0-1 |
| | | | 50 | 2580 | 37850 | 22.20 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.27 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.30 | 23 | 0-1 |
| | | | 99 | 2580 | 37850 | 22.18 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.26 | 23 | 0-1 |
| | | | | 2610 | 38150 | 22.17 | 23 | 0-1 |
| | | 50 RB | 0 | 2580 | 37850 | 21.08 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.29 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.29 | 22 | 0-2 |
| | | | 25 | 2580 | 37850 | 21.26 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.26 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.17 | 22 | 0-2 |
| | | | 50 | 2580 | 37850 | 21.12 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.34 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.22 | 22 | 0-2 |
| | | 100RB | | 2580 | 37850 | 21.17 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.14 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.16 | 22 | 0-2 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 64-QAM | 1 RB | 0 | 2580 | 37850 | 21.75 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.70 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.77 | 22 | 0-2 |
| | | | 50 | 2580 | 37850 | 21.55 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.62 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.63 | 22 | 0-2 |
| | | | 99 | 2580 | 37850 | 21.56 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.61 | 22 | 0-2 |
| | | | | 2610 | 38150 | 21.49 | 22 | 0-2 |
| | | 50 RB | 0 | 2580 | 37850 | 20.39 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.65 | 21 | 0-3 |
| | | | | 2610 | 38150 | 20.59 | 21 | 0-3 |
| | | | 25 | 2580 | 37850 | 20.63 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.62 | 21 | 0-3 |
| | | | | 2610 | 38150 | 20.52 | 21 | 0-3 |
| | | | 50 | 2580 | 37850 | 20.47 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.70 | 21 | 0-3 |
| | | | | 2610 | 38150 | 20.56 | 21 | 0-3 |
| | | 100RB | | 2580 | 37850 | 20.55 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.47 | 21 | 0-3 |
| | | | | 2610 | 38150 | 20.54 | 21 | 0-3 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | QPSK | 1 RB | 0 | 2577.5 | 37825 | 22.77 | 24 | 0 |
| | | | | 2595 | 38000 | 22.73 | 24 | 0 |
| | | | | 2612.5 | 38175 | 22.71 | 24 | 0 |
| | | | 36 | 2577.5 | 37825 | 22.90 | 24 | 0 |
| | | | | 2595 | 38000 | 22.90 | 24 | 0 |
| | | | | 2612.5 | 38175 | 22.87 | 24 | 0 |
| | | | 74 | 2577.5 | 37825 | 22.82 | 24 | 0 |
| | | | | 2595 | 38000 | 22.81 | 24 | 0 |
| | | | | 2612.5 | 38175 | 22.90 | 24 | 0 |
| | | 36 RB | 0 | 2577.5 | 37825 | 21.96 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.18 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.26 | 23 | 0-1 |
| | | | 18 | 2577.5 | 37825 | 22.13 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.07 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.22 | 23 | 0-1 |
| | | | 37 | 2577.5 | 37825 | 22.05 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.12 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.44 | 23 | 0-1 |
| | | 75RB | | 2577.5 | 37825 | 22.03 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.06 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.18 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2577.5 | 37825 | 22.39 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.35 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.36 | 23 | 0-1 |
| | | | 36 | 2577.5 | 37825 | 22.13 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.24 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.28 | 23 | 0-1 |
| | | | 74 | 2577.5 | 37825 | 22.12 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.06 | 23 | 0-1 |
| | | | | 2612.5 | 38175 | 22.04 | 23 | 0-1 |
| | | 36 RB | 0 | 2577.5 | 37825 | 20.89 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.14 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.21 | 22 | 0-2 |
| | | | 18 | 2577.5 | 37825 | 21.26 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.07 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.05 | 22 | 0-2 |
| | | | 37 | 2577.5 | 37825 | 21.10 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.20 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.08 | 22 | 0-2 |
| | | 75RB | | 2577.5 | 37825 | 21.00 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.99 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.02 | 22 | 0-2 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 64-QAM | 1 RB | 0 | 2577.5 | 37825 | 21.66 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.57 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.69 | 22 | 0-2 |
| | | | 36 | 2577.5 | 37825 | 21.44 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.58 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.61 | 22 | 0-2 |
| | | | 74 | 2577.5 | 37825 | 21.52 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.60 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 21.34 | 22 | 0-2 |
| | | 36 RB | 0 | 2577.5 | 37825 | 20.38 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.63 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 20.40 | 21 | 0-3 |
| | | | 18 | 2577.5 | 37825 | 20.60 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.50 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 20.49 | 21 | 0-3 |
| | | | 37 | 2577.5 | 37825 | 20.45 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.59 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 20.36 | 21 | 0-3 |
| | | 75RB | | 2577.5 | 37825 | 20.47 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.44 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 20.45 | 21 | 0-3 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 2575 | 37800 | 22.69 | 24 | 0 |
| | | | | 2595 | 38000 | 22.75 | 24 | 0 |
| | | | | 2615 | 38200 | 22.86 | 24 | 0 |
| | | | 25 | 2575 | 37800 | 22.78 | 24 | 0 |
| | | | | 2595 | 38000 | 22.83 | 24 | 0 |
| | | | | 2615 | 38200 | 22.86 | 24 | 0 |
| | | | 49 | 2575 | 37800 | 22.73 | 24 | 0 |
| | | | | 2595 | 38000 | 22.93 | 24 | 0 |
| | | | | 2615 | 38200 | 22.78 | 24 | 0 |
| | | 25 RB | 0 | 2575 | 37800 | 22.01 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.09 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.08 | 23 | 0-1 |
| | | | 12 | 2575 | 37800 | 22.06 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.03 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.12 | 23 | 0-1 |
| | | | 25 | 2575 | 37800 | 22.02 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.20 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.38 | 23 | 0-1 |
| | | 50RB | | 2575 | 37800 | 22.02 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.08 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.12 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2575 | 37800 | 22.20 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.31 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.26 | 23 | 0-1 |
| | | | 25 | 2575 | 37800 | 22.12 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.09 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.21 | 23 | 0-1 |
| | | | 49 | 2575 | 37800 | 22.15 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.21 | 23 | 0-1 |
| | | | | 2615 | 38200 | 22.17 | 23 | 0-1 |
| | | 25 RB | 0 | 2575 | 37800 | 21.07 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.09 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.29 | 22 | 0-2 |
| | | | 12 | 2575 | 37800 | 21.25 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.12 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.01 | 22 | 0-2 |
| | | | 25 | 2575 | 37800 | 20.92 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.14 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.21 | 22 | 0-2 |
| | | 50RB | | 2575 | 37800 | 21.05 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.08 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.09 | 22 | 0-2 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 2575 | 37800 | 21.65 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.66 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.70 | 22 | 0-2 |
| | | | 25 | 2575 | 37800 | 21.42 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.47 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.47 | 22 | 0-2 |
| | | | 49 | 2575 | 37800 | 21.41 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.46 | 22 | 0-2 |
| | | | | 2615 | 38200 | 21.40 | 22 | 0-2 |
| | | 25 RB | 0 | 2575 | 37800 | 20.32 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.63 | 21 | 0-3 |
| | | | | 2615 | 38200 | 20.59 | 21 | 0-3 |
| | | | 12 | 2575 | 37800 | 20.55 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.46 | 21 | 0-3 |
| | | | | 2615 | 38200 | 20.34 | 21 | 0-3 |
| | | | 25 | 2575 | 37800 | 20.36 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.59 | 21 | 0-3 |
| | | | | 2615 | 38200 | 20.43 | 21 | 0-3 |
| | | 50RB | | 2575 | 37800 | 20.40 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.38 | 21 | 0-3 |
| | | | | 2615 | 38200 | 20.51 | 21 | 0-3 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 2572.5 | 37775 | 22.83 | 24 | 0 |
| | | | | 2595 | 38000 | 22.93 | 24 | 0 |
| | | | | 2617.5 | 38225 | 22.88 | 24 | 0 |
| | | | 12 | 2572.5 | 37775 | 22.75 | 24 | 0 |
| | | | | 2595 | 38000 | 22.86 | 24 | 0 |
| | | | | 2617.5 | 38225 | 22.92 | 24 | 0 |
| | | | 24 | 2572.5 | 37775 | 22.83 | 24 | 0 |
| | | | | 2595 | 38000 | 22.88 | 24 | 0 |
| | | | | 2617.5 | 38225 | 22.89 | 24 | 0 |
| | | 12 RB | 0 | 2572.5 | 37775 | 22.01 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.13 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.07 | 23 | 0-1 |
| | | | 6 | 2572.5 | 37775 | 22.13 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.01 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.26 | 23 | 0-1 |
| | | | 13 | 2572.5 | 37775 | 22.13 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.09 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.43 | 23 | 0-1 |
| | | 25RB | | 2572.5 | 37775 | 22.03 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.18 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.07 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2572.5 | 37775 | 22.38 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.30 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.33 | 23 | 0-1 |
| | | | 12 | 2572.5 | 37775 | 22.14 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.22 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.11 | 23 | 0-1 |
| | | | 24 | 2572.5 | 37775 | 22.08 | 23 | 0-1 |
| | | | | 2595 | 38000 | 22.23 | 23 | 0-1 |
| | | | | 2617.5 | 38225 | 22.14 | 23 | 0-1 |
| | | 12 RB | 0 | 2572.5 | 37775 | 20.99 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.27 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.22 | 22 | 0-2 |
| | | | 6 | 2572.5 | 37775 | 21.09 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.07 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.01 | 22 | 0-2 |
| | | | 13 | 2572.5 | 37775 | 21.06 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.25 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.16 | 22 | 0-2 |
| | | 25RB | | 2572.5 | 37775 | 21.17 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.09 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.08 | 22 | 0-2 |

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| TDD Band 38 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 2572.5 | 37775 | 21.71 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.63 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.65 | 22 | 0-2 |
| | | | 12 | 2572.5 | 37775 | 21.37 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.46 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.48 | 22 | 0-2 |
| | | | 24 | 2572.5 | 37775 | 21.44 | 22 | 0-2 |
| | | | | 2595 | 38000 | 21.51 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 21.36 | 22 | 0-2 |
| | | 12 RB | 0 | 2572.5 | 37775 | 20.25 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.47 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 20.48 | 21 | 0-3 |
| | | | 6 | 2572.5 | 37775 | 20.54 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.48 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 20.50 | 21 | 0-3 |
| | | | 13 | 2572.5 | 37775 | 20.43 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.53 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 20.40 | 21 | 0-3 |
| | | 25RB | | 2572.5 | 37775 | 20.40 | 21 | 0-3 |
| | | | | 2595 | 38000 | 20.44 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 20.54 | 21 | 0-3 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | QPSK | 1 RB | 0 | 2506 | 39750 | 23.08 | 24.5 | 0 |
| | | | | 2549.5 | 40185 | 23.31 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.43 | 24.5 | 0 |
| | | | | 2636.5 | 41055 | 24.35 | 24.5 | 0 |
| | | | | 2680 | 41490 | 24.01 | 24.5 | 0 |
| | | | 50 | 2506 | 39750 | 23.06 | 24.5 | 0 |
| | | | | 2549.5 | 40185 | 23.24 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.39 | 24.5 | 0 |
| | | | | 2636.5 | 41055 | 24.49 | 24.5 | 0 |
| | | | | 2680 | 41490 | 24.42 | 24.5 | 0 |
| | | | 99 | 2506 | 39750 | 23.04 | 24.5 | 0 |
| | | | | 2549.5 | 40185 | 23.21 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.40 | 24.5 | 0 |
| | | | | 2636.5 | 41055 | 24.04 | 24.5 | 0 |
| | | | | 2680 | 41490 | 24.15 | 24.5 | 0 |
| | | 50 RB | 0 | 2506 | 39750 | 22.37 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.45 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.39 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.39 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.23 | 23.5 | 0-1 |
| | | | 25 | 2506 | 39750 | 22.38 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.55 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.40 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.42 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 22.70 | 23.5 | 0-1 |
| | | | 50 | 2506 | 39750 | 22.34 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.53 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.39 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.30 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.26 | 23.5 | 0-1 |
| | | 100RB | | 2506 | 39750 | 22.29 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.51 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.39 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.38 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.30 | 23.5 | 0-1 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 16-QAM | 1 RB | 0 | 2506 | 39750 | 22.51 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.65 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.45 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.40 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.45 | 23.5 | 0-1 |
| | | | 50 | 2506 | 39750 | 22.43 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.52 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.41 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.38 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.37 | 23.5 | 0-1 |
| | | | 99 | 2506 | 39750 | 22.36 | 23.5 | 0-1 |
| | | | | 2549.5 | 40185 | 22.54 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.22 | 23.5 | 0-1 |
| | | | | 2636.5 | 41055 | 23.14 | 23.5 | 0-1 |
| | | | | 2680 | 41490 | 23.25 | 23.5 | 0-1 |
| | | 50 RB | 0 | 2506 | 39750 | 21.37 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.47 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.38 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.47 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.50 | 22.5 | 0-2 |
| | | | 25 | 2506 | 39750 | 21.42 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.50 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.41 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.41 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.40 | 22.5 | 0-2 |
| | | | 50 | 2506 | 39750 | 21.35 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.59 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.31 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.33 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.30 | 22.5 | 0-2 |
| | | 100RB | | 2506 | 39750 | 21.41 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.56 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.47 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.31 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.29 | 22.5 | 0-2 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 20 | 64-QAM | 1 RB | 0 | 2506 | 39750 | 21.64 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.67 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.42 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.40 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.45 | 22.5 | 0-2 |
| | | | 50 | 2506 | 39750 | 21.54 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.70 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.35 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.40 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.49 | 22.5 | 0-2 |
| | | | 99 | 2506 | 39750 | 21.43 | 22.5 | 0-2 |
| | | | | 2549.5 | 40185 | 21.55 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.42 | 22.5 | 0-2 |
| | | | | 2636.5 | 41055 | 22.16 | 22.5 | 0-2 |
| | | | | 2680 | 41490 | 22.28 | 22.5 | 0-2 |
| | | 50 RB | 0 | 2506 | 39750 | 20.55 | 21.5 | 0-3 |
| | | | | 2549.5 | 40185 | 20.50 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.41 | 21.5 | 0-3 |
| | | | | 2636.5 | 41055 | 21.47 | 21.5 | 0-3 |
| | | | | 2680 | 41490 | 21.38 | 21.5 | 0-3 |
| | | | 25 | 2506 | 39750 | 20.55 | 21.5 | 0-3 |
| | | | | 2549.5 | 40185 | 20.50 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.38 | 21.5 | 0-3 |
| | | | | 2636.5 | 41055 | 21.47 | 21.5 | 0-3 |
| | | | | 2680 | 41490 | 21.48 | 21.5 | 0-3 |
| | | | 50 | 2506 | 39750 | 20.45 | 21.5 | 0-3 |
| | | | | 2549.5 | 40185 | 20.73 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.37 | 21.5 | 0-3 |
| | | | | 2636.5 | 41055 | 21.41 | 21.5 | 0-3 |
| | | | | 2680 | 41490 | 21.35 | 21.5 | 0-3 |
| | | 100RB | | 2506 | 39750 | 20.53 | 21.5 | 0-3 |
| | | | | 2549.5 | 40185 | 20.65 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.42 | 21.5 | 0-3 |
| | | | | 2636.5 | 41055 | 21.35 | 21.5 | 0-3 |
| | | | | 2680 | 41490 | 21.33 | 21.5 | 0-3 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | QPSK | 1 RB | 0 | 2503.5 | 39725 | 22.90 | 24.5 | 0 |
| | | | | 2548.3 | 40173 | 23.12 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.25 | 24.5 | 0 |
| | | | | 2637.8 | 41068 | 24.24 | 24.5 | 0 |
| | | | | 2682.5 | 41515 | 23.93 | 24.5 | 0 |
| | | | 36 | 2503.5 | 39725 | 22.92 | 24.5 | 0 |
| | | | | 2548.3 | 40173 | 23.10 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.23 | 24.5 | 0 |
| | | | | 2637.8 | 41068 | 24.37 | 24.5 | 0 |
| | | | | 2682.5 | 41515 | 24.22 | 24.5 | 0 |
| | | | 74 | 2503.5 | 39725 | 22.92 | 24.5 | 0 |
| | | | | 2548.3 | 40173 | 23.17 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.29 | 24.5 | 0 |
| | | | | 2637.8 | 41068 | 23.89 | 24.5 | 0 |
| | | | | 2682.5 | 41515 | 24.13 | 24.5 | 0 |
| | | 36 RB | 0 | 2503.5 | 39725 | 22.22 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.28 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.26 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.32 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.07 | 23.5 | 0-1 |
| | | | 18 | 2503.5 | 39725 | 22.20 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.43 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.33 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.34 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 22.64 | 23.5 | 0-1 |
| | | | 37 | 2503.5 | 39725 | 22.24 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.42 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.35 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.14 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.09 | 23.5 | 0-1 |
| | | 75RB | | 2503.5 | 39725 | 22.11 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.46 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.28 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.19 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.16 | 23.5 | 0-1 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 16-QAM | 1 RB | 0 | 2503.5 | 39725 | 22.40 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.45 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.36 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.23 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.41 | 23.5 | 0-1 |
| | | | 36 | 2503.5 | 39725 | 22.34 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.38 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.39 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 23.21 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.21 | 23.5 | 0-1 |
| | | | 74 | 2503.5 | 39725 | 22.23 | 23.5 | 0-1 |
| | | | | 2548.3 | 40173 | 22.37 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.04 | 23.5 | 0-1 |
| | | | | 2637.8 | 41068 | 22.96 | 23.5 | 0-1 |
| | | | | 2682.5 | 41515 | 23.21 | 23.5 | 0-1 |
| | | 36 RB | 0 | 2503.5 | 39725 | 21.19 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.37 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.24 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.33 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.35 | 22.5 | 0-2 |
| | | | 18 | 2503.5 | 39725 | 21.34 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.38 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.35 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.34 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.25 | 22.5 | 0-2 |
| | | | 37 | 2503.5 | 39725 | 21.15 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.51 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.22 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.31 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.15 | 22.5 | 0-2 |
| | | 75RB | | 2503.5 | 39725 | 21.25 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.43 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.40 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.27 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.11 | 22.5 | 0-2 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 15 | 64-QAM | 1 RB | 0 | 2503.5 | 39725 | 21.52 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.54 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.33 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.33 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.34 | 22.5 | 0-2 |
| | | | 36 | 2503.5 | 39725 | 21.44 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.68 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.22 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.23 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.31 | 22.5 | 0-2 |
| | | | 74 | 2503.5 | 39725 | 21.24 | 22.5 | 0-2 |
| | | | | 2548.3 | 40173 | 21.41 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.40 | 22.5 | 0-2 |
| | | | | 2637.8 | 41068 | 22.04 | 22.5 | 0-2 |
| | | | | 2682.5 | 41515 | 22.14 | 22.5 | 0-2 |
| | | 36 RB | 0 | 2503.5 | 39725 | 20.39 | 21.5 | 0-3 |
| | | | | 2548.3 | 40173 | 20.39 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.37 | 21.5 | 0-3 |
| | | | | 2637.8 | 41068 | 21.31 | 21.5 | 0-3 |
| | | | | 2682.5 | 41515 | 21.22 | 21.5 | 0-3 |
| | | | 18 | 2503.5 | 39725 | 20.46 | 21.5 | 0-3 |
| | | | | 2548.3 | 40173 | 20.38 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.23 | 21.5 | 0-3 |
| | | | | 2637.8 | 41068 | 21.47 | 21.5 | 0-3 |
| | | | | 2682.5 | 41515 | 21.37 | 21.5 | 0-3 |
| | | | 37 | 2503.5 | 39725 | 20.31 | 21.5 | 0-3 |
| | | | | 2548.3 | 40173 | 20.65 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.27 | 21.5 | 0-3 |
| | | | | 2637.8 | 41068 | 21.40 | 21.5 | 0-3 |
| | | | | 2682.5 | 41515 | 21.25 | 21.5 | 0-3 |
| | | 75RB | | 2503.5 | 39725 | 20.51 | 21.5 | 0-3 |
| | | | | 2548.3 | 40173 | 20.48 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.38 | 21.5 | 0-3 |
| | | | | 2637.8 | 41068 | 21.35 | 21.5 | 0-3 |
| | | | | 2682.5 | 41515 | 21.30 | 21.5 | 0-3 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | QPSK | 1 RB | 0 | 2501 | 39700 | 22.95 | 24.5 | 0 |
| | | | | 2547 | 40160 | 23.23 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.36 | 24.5 | 0 |
| | | | | 2639 | 41080 | 24.34 | 24.5 | 0 |
| | | | | 2685 | 41540 | 23.82 | 24.5 | 0 |
| | | | 25 | 2501 | 39700 | 23.03 | 24.5 | 0 |
| | | | | 2547 | 40160 | 23.07 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.25 | 24.5 | 0 |
| | | | | 2639 | 41080 | 24.41 | 24.5 | 0 |
| | | | | 2685 | 41540 | 24.32 | 24.5 | 0 |
| | | | 49 | 2501 | 39700 | 22.98 | 24.5 | 0 |
| | | | | 2547 | 40160 | 23.05 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.25 | 24.5 | 0 |
| | | | | 2639 | 41080 | 23.85 | 24.5 | 0 |
| | | | | 2685 | 41540 | 23.96 | 24.5 | 0 |
| | | 25 RB | 0 | 2501 | 39700 | 22.33 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.37 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.25 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.24 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.09 | 23.5 | 0-1 |
| | | | 12 | 2501 | 39700 | 22.34 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.41 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.29 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.33 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 22.59 | 23.5 | 0-1 |
| | | | 25 | 2501 | 39700 | 22.23 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.44 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.31 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.26 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.22 | 23.5 | 0-1 |
| | | 50RB | | 2501 | 39700 | 22.19 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.43 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.34 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.31 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.27 | 23.5 | 0-1 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 16-QAM | 1 RB | 0 | 2501 | 39700 | 22.48 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.56 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.33 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.28 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.36 | 23.5 | 0-1 |
| | | | 25 | 2501 | 39700 | 22.42 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.50 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.35 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.18 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.18 | 23.5 | 0-1 |
| | | | 49 | 2501 | 39700 | 22.20 | 23.5 | 0-1 |
| | | | | 2547 | 40160 | 22.45 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.19 | 23.5 | 0-1 |
| | | | | 2639 | 41080 | 23.06 | 23.5 | 0-1 |
| | | | | 2685 | 41540 | 23.09 | 23.5 | 0-1 |
| | | 25 RB | 0 | 2501 | 39700 | 21.31 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.33 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.27 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.35 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.31 | 22.5 | 0-2 |
| | | | 12 | 2501 | 39700 | 21.26 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.32 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.29 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.27 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.39 | 22.5 | 0-2 |
| | | | 25 | 2501 | 39700 | 21.27 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.57 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.13 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.20 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.17 | 22.5 | 0-2 |
| | | 50RB | | 2501 | 39700 | 21.26 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.41 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.30 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.12 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.09 | 22.5 | 0-2 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 10 | 64-QAM | 1 RB | 0 | 2501 | 39700 | 21.46 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.66 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.32 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.26 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.38 | 22.5 | 0-2 |
| | | | 25 | 2501 | 39700 | 21.42 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.56 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.32 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.22 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.40 | 22.5 | 0-2 |
| | | | 49 | 2501 | 39700 | 21.30 | 22.5 | 0-2 |
| | | | | 2547 | 40160 | 21.45 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.30 | 22.5 | 0-2 |
| | | | | 2639 | 41080 | 22.12 | 22.5 | 0-2 |
| | | | | 2685 | 41540 | 22.14 | 22.5 | 0-2 |
| | | 25 RB | 0 | 2501 | 39700 | 20.39 | 21.5 | 0-3 |
| | | | | 2547 | 40160 | 20.35 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.24 | 21.5 | 0-3 |
| | | | | 2639 | 41080 | 21.31 | 21.5 | 0-3 |
| | | | | 2685 | 41540 | 21.36 | 21.5 | 0-3 |
| | | | 12 | 2501 | 39700 | 20.47 | 21.5 | 0-3 |
| | | | | 2547 | 40160 | 20.45 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.30 | 21.5 | 0-3 |
| | | | | 2639 | 41080 | 21.31 | 21.5 | 0-3 |
| | | | | 2685 | 41540 | 21.43 | 21.5 | 0-3 |
| | | | 25 | 2501 | 39700 | 20.33 | 21.5 | 0-3 |
| | | | | 2547 | 40160 | 20.54 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.26 | 21.5 | 0-3 |
| | | | | 2639 | 41080 | 21.39 | 21.5 | 0-3 |
| | | | | 2685 | 41540 | 21.29 | 21.5 | 0-3 |
| | | 50RB | | 2501 | 39700 | 20.45 | 21.5 | 0-3 |
| | | | | 2547 | 40160 | 20.55 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.32 | 21.5 | 0-3 |
| | | | | 2639 | 41080 | 21.19 | 21.5 | 0-3 |
| | | | | 2685 | 41540 | 21.25 | 21.5 | 0-3 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 2498.5 | 39675 | 22.99 | 24.5 | 0 |
| | | | | 2547.8 | 40148 | 23.30 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.39 | 24.5 | 0 |
| | | | | 2640.3 | 41093 | 24.16 | 24.5 | 0 |
| | | | | 2687.5 | 41565 | 24.00 | 24.5 | 0 |
| | | | 12 | 2498.5 | 39675 | 22.97 | 24.5 | 0 |
| | | | | 2547.8 | 40148 | 23.14 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.29 | 24.5 | 0 |
| | | | | 2640.3 | 41093 | 24.30 | 24.5 | 0 |
| | | | | 2687.5 | 41565 | 24.26 | 24.5 | 0 |
| | | | 24 | 2498.5 | 39675 | 22.87 | 24.5 | 0 |
| | | | | 2547.8 | 40148 | 23.21 | 24.5 | 0 |
| | | | | 2593 | 40620 | 24.32 | 24.5 | 0 |
| | | | | 2640.3 | 41093 | 24.00 | 24.5 | 0 |
| | | | | 2687.5 | 41565 | 24.05 | 24.5 | 0 |
| | | 12 RB | 0 | 2498.5 | 39675 | 22.28 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.36 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.22 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.36 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.04 | 23.5 | 0-1 |
| | | | 6 | 2498.5 | 39675 | 22.29 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.36 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.38 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.37 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 22.70 | 23.5 | 0-1 |
| | | | 13 | 2498.5 | 39675 | 22.31 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.47 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.22 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.26 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.22 | 23.5 | 0-1 |
| | | 25RB | | 2498.5 | 39675 | 22.18 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.44 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.39 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.31 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.19 | 23.5 | 0-1 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 16-QAM | 1 RB | 0 | 2498.5 | 39675 | 22.35 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.63 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.38 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.33 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.35 | 23.5 | 0-1 |
| | | | 12 | 2498.5 | 39675 | 22.26 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.49 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.23 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.36 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.28 | 23.5 | 0-1 |
| | | | 24 | 2498.5 | 39675 | 22.34 | 23.5 | 0-1 |
| | | | | 2547.8 | 40148 | 22.47 | 23.5 | 0-1 |
| | | | | 2593 | 40620 | 23.12 | 23.5 | 0-1 |
| | | | | 2640.3 | 41093 | 23.12 | 23.5 | 0-1 |
| | | | | 2687.5 | 41565 | 23.06 | 23.5 | 0-1 |
| | | 12 RB | 0 | 2498.5 | 39675 | 21.32 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.28 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.28 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.36 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.43 | 22.5 | 0-2 |
| | | | 6 | 2498.5 | 39675 | 21.42 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.39 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.32 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.31 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.36 | 22.5 | 0-2 |
| | | | 13 | 2498.5 | 39675 | 21.24 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.55 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.16 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.13 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.24 | 22.5 | 0-2 |
| | | 25RB | | 2498.5 | 39675 | 21.26 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.38 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.40 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.15 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.13 | 22.5 | 0-2 |

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| TDD Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted power (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allowed per 3GPP(dB) |
| 5 | 64-QAM | 1 RB | 0 | 2498.5 | 39675 | 21.47 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.48 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.40 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.22 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.44 | 22.5 | 0-2 |
| | | | 12 | 2498.5 | 39675 | 21.50 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.70 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.24 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.33 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.44 | 22.5 | 0-2 |
| | | | 24 | 2498.5 | 39675 | 21.29 | 22.5 | 0-2 |
| | | | | 2547.8 | 40148 | 21.46 | 22.5 | 0-2 |
| | | | | 2593 | 40620 | 22.28 | 22.5 | 0-2 |
| | | | | 2640.3 | 41093 | 22.14 | 22.5 | 0-2 |
| | | | | 2687.5 | 41565 | 22.27 | 22.5 | 0-2 |
| | | 12 RB | 0 | 2498.5 | 39675 | 20.48 | 21.5 | 0-3 |
| | | | | 2547.8 | 40148 | 20.43 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.40 | 21.5 | 0-3 |
| | | | | 2640.3 | 41093 | 21.33 | 21.5 | 0-3 |
| | | | | 2687.5 | 41565 | 21.32 | 21.5 | 0-3 |
| | | | 6 | 2498.5 | 39675 | 20.42 | 21.5 | 0-3 |
| | | | | 2547.8 | 40148 | 20.34 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.36 | 21.5 | 0-3 |
| | | | | 2640.3 | 41093 | 21.27 | 21.5 | 0-3 |
| | | | | 2687.5 | 41565 | 21.40 | 21.5 | 0-3 |
| | | | 13 | 2498.5 | 39675 | 20.33 | 21.5 | 0-3 |
| | | | | 2547.8 | 40148 | 20.69 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.37 | 21.5 | 0-3 |
| | | | | 2640.3 | 41093 | 21.32 | 21.5 | 0-3 |
| | | | | 2687.5 | 41565 | 21.17 | 21.5 | 0-3 |
| | | 25RB | | 2498.5 | 39675 | 20.53 | 21.5 | 0-3 |
| | | | | 2547.8 | 40148 | 20.47 | 21.5 | 0-3 |
| | | | | 2593 | 40620 | 21.28 | 21.5 | 0-3 |
| | | | | 2640.3 | 41093 | 21.27 | 21.5 | 0-3 |
| | | | | 2687.5 | 41565 | 21.26 | 21.5 | 0-3 |

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## WLAN802.11 a/b/g/n/ac/ax (20M/40M/80M) conducted power table:

| ANT 0 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11b | 1 | 2412 | 1Mbps | 12.00 | 11.65 |
| | | 6 | 2437 | | 12.00 | 11.81 |
| | | 10 | 2457 | | 12.00 | 11.91 |
| | | 11 | 2462 | | 12.00 | 11.73 |
| | 802.11g | 1 | 2412 | 6Mbps | 12.00 | 11.50 |
| | | 2 | 2417 | | 12.00 | 11.67 |
| | | 6 | 2437 | | 12.00 | 11.73 |
| | | 10 | 2457 | | 12.00 | 11.79 |
| | | 11 | 2462 | | 12.00 | 11.68 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 12.00 | 11.80 |
| | | 2 | 2417 | | 12.00 | 11.75 |
| | | 6 | 2437 | | 12.00 | 11.70 |
| | | 10 | 2457 | | 12.00 | 11.92 |
| | | 11 | 2462 | | 12.00 | 11.65 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 12.00 | 11.69 |
| | | 4 | 2427 | | 12.00 | 11.84 |
| | | 6 | 2437 | | 12.00 | 11.71 |
| | | 8 | 2447 | | 12.00 | 11.68 |
| | | 9 | 2452 | | 12.00 | 11.83 |

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| ANT 0 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11a | 36 | 5180 | 6Mbps | 12.00 | 11.99 |
| | | 44 | 5220 | | 12.00 | 11.97 |
| | | 48 | 5240 | | 12.00 | 11.91 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 12.00 | 11.88 |
| | | 44 | 5220 | | 12.00 | 11.70 |
| | | 48 | 5240 | | 12.00 | 11.79 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 12.00 | 11.78 |
| | | 44 | 5220 | | 12.00 | 11.65 |
| | | 48 | 5240 | | 12.00 | 11.72 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 12.00 | 11.76 |
| | | 46 | 5230 | | 12.00 | 11.94 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 12.00 | 11.72 |
| | | 46 | 5230 | | 12.00 | 11.90 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 12.00 | 11.96 |

| ANT 0 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11a | 52 | 5260 | 6Mbps | 12.00 | 11.98 |
| | | 60 | 5300 | | 12.00 | 11.94 |
| | | 64 | 5320 | | 12.00 | 11.98 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 12.00 | 11.92 |
| | | 60 | 5300 | | 12.00 | 11.96 |
| | | 64 | 5320 | | 12.00 | 11.94 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 12.00 | 11.86 |
| | | 60 | 5300 | | 12.00 | 11.88 |
| | | 64 | 5320 | | 12.00 | 11.86 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 12.00 | 11.75 |
| | | 62 | 5310 | | 12.00 | 11.78 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 12.00 | 11.71 |
| | | 62 | 5310 | | 12.00 | 11.76 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 12.00 | 11.94 |

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| ANT 0 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11a | 100 | 5500 | 6Mbps | 12.00 | 11.94 |
| | | 116 | 5580 | | 12.00 | 11.85 |
| | | 140 | 5700 | | 12.00 | 11.95 |
| | | 144 | 5720 | | 12.00 | 11.92 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 12.00 | 11.95 |
| | | 116 | 5580 | | 12.00 | 11.72 |
| | | 140 | 5700 | | 12.00 | 11.75 |
| | | 144 | 5720 | | 12.00 | 11.81 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 12.00 | 11.87 |
| | | 116 | 5580 | | 12.00 | 11.66 |
| | | 140 | 5700 | | 12.00 | 11.70 |
| | | 144 | 5720 | | 12.00 | 11.74 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 12.00 | 11.98 |
| | | 110 | 5550 | | 12.00 | 11.72 |
| | | 134 | 5670 | | 12.00 | 11.90 |
| | | 142 | 5710 | | 12.00 | 11.86 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 12.00 | 11.92 |
| | | 110 | 5550 | | 12.00 | 11.70 |
| | | 134 | 5670 | | 12.00 | 11.87 |
| | | 142 | 5710 | | 12.00 | 11.75 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 12.00 | 11.88 |
| | | 122 | 5610 | | 12.00 | 11.85 |
| | | 138 | 5690 | | 12.00 | 11.96 |

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| ANT 0 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 12.00 | 11.94 |
| | | 157 | 5785 | | 12.00 | 11.90 |
| | | 165 | 5825 | | 12.00 | 11.96 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 12.00 | 11.78 |
| | | 157 | 5785 | | 12.00 | 11.72 |
| | | 165 | 5825 | | 12.00 | 11.65 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 12.00 | 11.68 |
| | | 157 | 5785 | | 12.00 | 11.65 |
| | | 165 | 5825 | | 12.00 | 11.61 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 12.00 | 11.81 |
| | | 159 | 5795 | | 12.00 | 11.64 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 12.00 | 11.73 |
| | | 159 | 5795 | | 12.00 | 11.60 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 12.00 | 11.98 |

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| ANT 1 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11b | 1 | 2412 | 1Mbps | 12.00 | 11.94 |
| | | 6 | 2437 | | 12.00 | 11.84 |
| | | 10 | 2457 | | 12.00 | 11.96 |
| | | 11 | 2462 | | 12.00 | 11.97 |
| | 802.11g | 1 | 2412 | 6Mbps | 12.00 | 11.51 |
| | | 2 | 2417 | | 12.00 | 11.95 |
| | | 6 | 2437 | | 12.00 | 11.79 |
| | | 10 | 2457 | | 12.00 | 11.96 |
| | | 11 | 2462 | | 12.00 | 11.85 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 12.00 | 11.95 |
| | | 2 | 2417 | | 12.00 | 11.91 |
| | | 6 | 2437 | | 12.00 | 11.72 |
| | | 10 | 2457 | | 12.00 | 12.00 |
| | | 11 | 2462 | | 12.00 | 11.80 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 12.00 | 11.81 |
| | | 4 | 2427 | | 12.00 | 11.94 |
| | | 6 | 2437 | | 12.00 | 11.83 |
| | | 8 | 2447 | | 12.00 | 11.71 |
| | | 9 | 2452 | | 12.00 | 11.67 |

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| Ant 1 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11a | 36 | 5180 | 6Mbps | 12.00 | 11.72 |
| | | 44 | 5220 | | 12.00 | 11.63 |
| | | 48 | 5240 | | 12.00 | 11.60 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 12.00 | 11.62 |
| | | 44 | 5220 | | 12.00 | 11.54 |
| | | 48 | 5240 | | 12.00 | 11.71 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 12.00 | 11.57 |
| | | 44 | 5220 | | 12.00 | 11.50 |
| | | 48 | 5240 | | 12.00 | 11.67 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 12.00 | 11.67 |
| | | 46 | 5230 | | 12.00 | 11.82 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 12.00 | 11.62 |
| | | 46 | 5230 | | 12.00 | 11.75 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 12.00 | 11.51 |

| Ant 1 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11a | 52 | 5260 | 6Mbps | 12.00 | 11.95 |
| | | 60 | 5300 | | 12.00 | 11.87 |
| | | 64 | 5320 | | 12.00 | 11.58 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 12.00 | 11.59 |
| | | 60 | 5300 | | 12.00 | 11.58 |
| | | 64 | 5320 | | 12.00 | 11.60 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 12.00 | 11.56 |
| | | 60 | 5300 | | 12.00 | 11.52 |
| | | 64 | 5320 | | 12.00 | 11.55 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 12.00 | 11.72 |
| | | 62 | 5310 | | 12.00 | 11.60 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 12.00 | 11.67 |
| | | 62 | 5310 | | 12.00 | 11.56 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 12.00 | 11.79 |

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| Ant 1 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11a | 100 | 5500 | 6Mbps | 12.00 | 11.75 |
| | | 116 | 5580 | | 12.00 | 11.70 |
| | | 140 | 5700 | | 12.00 | 11.57 |
| | | 144 | 5720 | | 12.00 | 11.78 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 12.00 | 11.56 |
| | | 116 | 5580 | | 12.00 | 11.64 |
| | | 140 | 5700 | | 12.00 | 11.73 |
| | | 144 | 5720 | | 12.00 | 11.69 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 12.00 | 11.51 |
| | | 116 | 5580 | | 12.00 | 11.59 |
| | | 140 | 5700 | | 12.00 | 11.67 |
| | | 144 | 5720 | | 12.00 | 11.64 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 12.00 | 11.56 |
| | | 110 | 5550 | | 12.00 | 11.65 |
| | | 134 | 5670 | | 12.00 | 11.74 |
| | | 142 | 5710 | | 12.00 | 11.53 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 12.00 | 11.54 |
| | | 110 | 5550 | | 12.00 | 11.65 |
| | | 134 | 5670 | | 12.00 | 11.69 |
| | | 142 | 5710 | | 12.00 | 11.51 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 12.00 | 11.57 |
| | | 122 | 5610 | | 12.00 | 11.82 |
| | | 138 | 5690 | | 12.00 | 11.88 |

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| Ant 1 Antenna | | | | | | |
|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 12.00 | 11.80 |
| | | 157 | 5785 | | 12.00 | 11.66 |
| | | 165 | 5825 | | 12.00 | 11.59 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 12.00 | 11.66 |
| | | 157 | 5785 | | 12.00 | 11.70 |
| | | 165 | 5825 | | 12.00 | 11.61 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 12.00 | 11.60 |
| | | 157 | 5785 | | 12.00 | 11.62 |
| | | 165 | 5825 | | 12.00 | 11.55 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 12.00 | 11.54 |
| | | 159 | 5795 | | 12.00 | 11.60 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 12.00 | 11.53 |
| | | 159 | 5795 | | 12.00 | 11.57 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 12.00 | 11.74 |

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AX power

| ANT 0 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11ax20-HE0 | 1 | 2412 | Full | MCS0 | 12.00 | 11.89 |
| | | | | 26/0 | | 12.00 | 11.87 |
| | | | | 52/37 | | 12.00 | 11.71 |
| | | | | 106/53 | | 12.00 | 11.52 |
| | | 6 | 2437 | Full | | 12.00 | 11.56 |
| | | 11 | 2462 | Full | | 12.00 | 11.69 |
| | | | | 26/8 | | 12.00 | 11.61 |
| | | | | 52/40 | | 12.00 | 11.64 |
| | | | | 106/54 | | 12.00 | 11.55 |
| | 802.11ax40-HE0 | 3 | 2422 | Full | MCS0 | 12.00 | 11.76 |
| | | | | 242/61 | | 11.00 | 10.74 |
| | | 6 | 2437 | Full | | 12.00 | 11.52 |
| | | 9 | 2452 | Full | | 12.00 | 11.58 |
| | | | | 242/62 | | 11.00 | 10.75 |

| ANT 0 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11ax20-HE0 | 36 | 5180 | Full | MCS0 | 12.00 | 11.91 |
| | | | | 26/0 | | 11.00 | 10.78 |
| | | | | 52/37 | | 12.00 | 11.89 |
| | | | | 106/53 | | 12.00 | 11.88 |
| | | 44 | 5220 | Full | | 12.00 | 11.99 |
| | | 48 | 5240 | Full | | 12.00 | 11.94 |
| | 802.11ax40-HE0 | 38 | 5190 | Full | MCS0 | 12.00 | 11.94 |
| | | | | 242/61 | | 12.00 | 11.88 |
| | | 46 | 5230 | Full | | 12.00 | 11.89 |
| | 802.11ax80-HE0 | 42 | 5210 | Full | MCS0 | 12.00 | 11.93 |
| | | | | 484/65 | | 8.00 | 7.98 |

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| ANT 0 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11ax20-HE0 | 52 | 5260 | Full | MCS0 | 12.00 | 11.88 |
| | | 60 | 5300 | Full | | 12.00 | 11.92 |
| | | 64 | 5320 | Full | | 12.00 | 11.89 |
| | | | | 26/8 | | 11.00 | 10.75 |
| | | | | 52/40 | | 12.00 | 11.87 |
| | | | | 106/54 | | 12.00 | 11.82 |
| | 802.11ax40-HE0 | 54 | 5270 | Full | MCS0 | 12.00 | 11.86 |
| | | 62 | 5310 | Full | | 12.00 | 11.96 |
| | | | | 242/62 | | 12.00 | 11.78 |
| | 802.11ax80-HE0 | 58 | 5290 | Full | MCS0 | 12.00 | 11.95 |
| | | | | 484/66 | | 8.00 | 7.92 |

| ANT 0 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11ax20-HE0 | 100 | 5500 | Full | MCS0 | 12.00 | 11.98 |
| | | | | 26/0 | | 11.00 | 10.90 |
| | | | | 52/37 | | 12.00 | 11.97 |
| | | | | 106/53 | | 12.00 | 11.96 |
| | | 116 | 5580 | Full | | 12.00 | 11.96 |
| | | 140 | 5700 | Full | | 12.00 | 11.94 |
| | | | | 26/8 | | 11.00 | 10.79 |
| | | | | 52/40 | | 12.00 | 11.89 |
| | | | | 106/54 | | 12.00 | 11.87 |
| | | 144 | 5720 | Full | | 12.00 | 11.89 |
| | 802.11ax40-HE0 | 102 | 5510 | Full | MCS0 | 12.00 | 11.95 |
| | | | | 242/61 | | 12.00 | 11.84 |
| | | 110 | 5550 | Full | | 12.00 | 11.91 |
| | | 134 | 5670 | Full | | 12.00 | 11.87 |
| | | | | 242/62 | | 12.00 | 11.81 |
| | | 142 | 5710 | Full | | 12.00 | 11.83 |
| | 802.11ax80-HE0 | 106 | 5530 | Full | MCS0 | 12.00 | 11.96 |
| | | | | 484/65 | | 8.00 | 7.89 |
| | | 122 | 5610 | Full | | 12.00 | 11.93 |
| | | 138 | 5690 | Full | | 12.00 | 11.97 |

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| ANT 0 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11ax20-HE0 | 149 | 5745 | Full | MCS0 | 12.00 | 11.96 |
| | | | | 26/0 | | 11.00 | 10.85 |
| | | | | 52/37 | | 12.00 | 11.95 |
| | | | | 106/53 | | 12.00 | 11.79 |
| | | 157 | 5785 | Full | | 12.00 | 11.87 |
| | | 165 | 5825 | Full | | 12.00 | 11.91 |
| | 802.11ax40-HE0 | 151 | 5755 | Full | MCS0 | 12.00 | 11.96 |
| | | | | 242/61 | | 12.00 | 11.93 |
| | | 159 | 5795 | Full | | 12.00 | 11.96 |
| | 802.11ax80-HE0 | 155 | 5775 | Full | MCS0 | 12.00 | 11.97 |
| | | | | 484/65 | | 8.00 | 7.91 |
| | | | | 484/66 | | 8.00 | 7.73 |

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| ANT 1 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11ax20-HE0 | 1 | 2412 | Full | MCS0 | 12.00 | 11.98 |
| | | | | 26/0 | | 12.00 | 11.93 |
| | | | | 52/37 | | 12.00 | 11.96 |
| | | | | 106/53 | | 12.00 | 11.93 |
| | | 6 | 2437 | Full | | 12.00 | 11.91 |
| | | 11 | 2462 | Full | | 12.00 | 11.95 |
| | | | | 26/8 | | 12.00 | 11.93 |
| | | | | 52/40 | | 12.00 | 11.94 |
| | | | | 106/54 | | 12.00 | 11.85 |
| | 802.11ax40-HE0 | 3 | 2422 | Full | MCS0 | 12.00 | 11.96 |
| | | | | 242/61 | | 11.00 | 10.85 |
| | | 6 | 2437 | Full | | 12.00 | 11.70 |
| | | 9 | 2452 | Full | | 12.00 | 11.73 |
| | | | | 242/62 | | 11.00 | 10.88 |

| ANT 1 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11ax20-HE0 | 36 | 5180 | Full | MCS0 | 12.00 | 11.87 |
| | | | | 26/0 | | 11.00 | 10.74 |
| | | | | 52/37 | | 12.00 | 11.64 |
| | | | | 106/53 | | 12.00 | 11.62 |
| | | 44 | 5220 | Full | | 12.00 | 11.86 |
| | | 48 | 5240 | Full | | 12.00 | 11.75 |
| | 802.11ax40-HE0 | 38 | 5190 | Full | MCS0 | 12.00 | 11.86 |
| | | | | 242/61 | | 12.00 | 11.71 |
| | | 46 | 5230 | Full | | 12.00 | 11.85 |
| | 802.11ax80-HE0 | 42 | 5210 | Full | MCS0 | 12.00 | 11.90 |
| | | | | 484/65 | | 8.00 | 7.92 |

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| ANT 1 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11ax20-HE0 | 52 | 5260 | Full | MCS0 | 12.00 | 11.72 |
| | | 60 | 5300 | Full | | 12.00 | 11.81 |
| | | 64 | 5320 | Full | | 12.00 | 11.79 |
| | | | | 26/8 | | 11.00 | 10.65 |
| | | | | 52/40 | | 12.00 | 11.63 |
| | | | | 106/54 | | 12.00 | 11.70 |
| | 802.11ax40-HE0 | 54 | 5270 | Full | MCS0 | 12.00 | 11.78 |
| | | 62 | 5310 | Full | | 12.00 | 11.72 |
| | | | | 242/62 | | 12.00 | 11.59 |
| | 802.11ax80-HE0 | 58 | 5290 | Full | MCS0 | 12.00 | 11.89 |
| | | | | 484/66 | | 8.00 | 7.76 |

| ANT 1 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11ax20-HE0 | 100 | 5500 | Full | MCS0 | 12.00 | 11.94 |
| | | | | 26/0 | | 11.00 | 10.55 |
| | | | | 52/37 | | 12.00 | 11.85 |
| | | | | 106/53 | | 12.00 | 11.93 |
| | | 116 | 5580 | Full | | 12.00 | 11.78 |
| | | 140 | 5700 | Full | | 12.00 | 11.85 |
| | | | | 26/8 | | 11.00 | 10.66 |
| | | | | 52/40 | | 12.00 | 11.81 |
| | | | | 106/54 | | 12.00 | 11.72 |
| | | 144 | 5720 | Full | | 12.00 | 11.63 |
| | 802.11ax40-HE0 | 102 | 5510 | Full | MCS0 | 12.00 | 11.81 |
| | | | | 242/61 | | 12.00 | 11.76 |
| | | 110 | 5550 | Full | | 12.00 | 11.72 |
| | | 134 | 5670 | Full | | 12.00 | 11.65 |
| | | | | 242/62 | | 12.00 | 11.55 |
| | | 142 | 5710 | Full | | 12.00 | 11.56 |
| | 802.11ax80-HE0 | 106 | 5530 | Full | MCS0 | 12.00 | 11.84 |
| | | | | 484/65 | | 8.00 | 7.71 |
| | | 122 | 5610 | Full | | 12.00 | 11.56 |
| | | 138 | 5690 | Full | | 12.00 | 11.92 |

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| ANT 1 Antenna | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band | Mode | Channel | Frequency (MHz) | RU config | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11ax20-HE0 | 149 | 5745 | Full | MCS0 | 12.00 | 11.73 |
| | | | | 26/0 | | 11.00 | 10.53 |
| | | | | 52/37 | | 12.00 | 11.71 |
| | | | | 106/53 | | 12.00 | 11.68 |
| | | 157 | 5785 | Full | | 12.00 | 11.80 |
| | | 165 | 5825 | Full | | 12.00 | 11.72 |
| | 802.11ax40-HE0 | 151 | 5755 | Full | MCS0 | 12.00 | 11.74 |
| | | | | 242/61 | | 12.00 | 11.63 |
| | | 159 | 5795 | Full | | 12.00 | 11.83 |
| | 802.11ax80-HE0 | 155 | 5775 | Full | MCS0 | 12.00 | 11.76 |
| | | | | 484/65 | | 8.00 | 7.36 |
| | | | | 484/66 | | 8.00 | 7.50 |

**Bluetooth maximum power table:**

| Mode | Channel | Frequency (MHz) | Average Output Power (dBm) | | | Max. Rated Avg. Power + Max. Tolerance (dBm) |
|---|---|---|---|---|---|---|
| | | | 1Mbps | 2Mbps | 3Mbps | |
| BR/EDR | CH 00 | 2402 | 11.40 | 9.56 | 9.54 | 12.5 |
| | CH 39 | 2441 | 11.45 | 9.57 | 9.56 | |
| | CH 78 | 2480 | 10.96 | 9.26 | 9.26 | |

| Mode | Channel | Frequency (MHz) | Average Output Power (dBm) | Max. Rated Avg. Power + Max. Tolerance (dBm) |
|---|---|---|---|---|
| | | | GFSK | |
| LE | CH 00 | 2402 | 7.55 | 12.5 |
| | CH 19 | 2442 | 7.57 | |
| | CH 39 | 2480 | 7.29 | |

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## 1.4 Test Environment

Ambient Temperature: 22±2° C
Tissue Simulating Liquid: 22±2° C

## 1.5 Operation Description

1. The EUT is controlled by using a Radio Communication Tester (MT8820C), and the communication between the EUT and the tester is established by air link.

2. Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s). The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.

3. During the SAR testing, the DASY 5 system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.

4. SAR test reduction for GPRS mode is determined by the source-based time-averaged output power. The data mode with highest specified time-averaged output power should be tested for SAR compliance.

5. The 3G SAR test reduction procedure is applied to HSDPA with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSDPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA).

| Sub-test | $\beta_c$ | $\beta_d$ | $\beta_d$ (SF) | $\beta_c/\beta_d$ | $\beta_{HS}$ (1)(2) | CM (3) (dB) | MPR (3) (dB) |
|---|---|---|---|---|---|---|---|
| 1 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 0.0 | 0.0 |
| 2 | 12/15 (4) | 15/15 (4) | 64 | 12/15 (4) | 24/15 | 1.0 | 0.0 |
| 3 | 15/15 | 8/15 | 64 | 15/8 | 30/15 | 1.5 | 0.5 |
| 4 | 15/15 | 4/15 | 64 | 15/4 | 30/15 | 1.5 | 0.5 |

Note 1: $\Delta_{ACK}$, $\Delta_{NACK}$ and $\Delta_{CQI}$ = 30/15 with $\beta_{HS}$ = 30/15 * $\beta_c$.
Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, $\Delta_{ACK}$ and $\Delta_{NACK}$ = 30/15 with $\beta_{HS}$ = 30/15 * $\beta_c$, and $\Delta_{CQI}$ = 24/15 with $\beta_{HS}$ = 24/15 * $\beta_c$.
Note 3: CM = 1 for $\beta_c/\beta_d$ = 12/15, $\beta_{HS}/\beta_c$ = 24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
Note 4: For subtest 2 the $\beta_c/\beta_d$ ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c$ = 11/15 and $\beta_d$ = 15/15.

6. The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA) is ≤ ¼ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA).

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| Sub-test | $\beta_c$ | $\beta_d$ | $\beta_d$ (SF) | $\beta_c$ / $\beta_d$ | $\beta_{HS}$ (1) | $\beta_{ec}$ | $\beta_{ed}$ (4)(5) | $\beta_{ed}$ (SF) | $\beta_{ed}$ (Codes) | CM (2) (dB) | MPR (2)(6) (dB) | AG (5) Index | E-TFCI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11/15 (3) | 15/15 (3) | 64 | 11/15 (3) | 22/15 | 209/225 | 1309/225 | 4 | 1 | 1.0 | 0.0 | 20 | 75 |
| 2 | 6/15 | 15/15 | 64 | 6/15 | 12/15 | 12/15 | 94/75 | 4 | 1 | 3.0 | 2.0 | 12 | 67 |
| 3 | 15/15 | 9/15 | 64 | 15/9 | 30/15 | 30/15 | $\beta_{ed}$1: 47/15<br>$\beta_{ed}$2: 47/15 | 4<br>4 | 2 | 2.0 | 1.0 | 15 | 92 |
| 4 | 2/15 | 15/15 | 64 | 2/15 | 4/15 | 2/15 | 56/75 | 4 | 1 | 3.0 | 2.0 | 17 | 71 |
| 5 | 15/15 | 0 | - | - | 5/15 | 5/15 | 47/15 | 4 | 1 | 1.0 | 0.0 | 12 | 67 |

Note 1: For sub-test 1 to 4, $\Delta_{ACK}$, $\Delta_{NACK}$ and $\Delta_{CQI}$ = 30/15 with $\beta_{HS}$ = 30/15 * $\beta_c$. For sub-test 5, $\Delta_{ACK}$, $\Delta_{NACK}$ and $\Delta_{CQI}$ = 5/15 with $\beta_{HS}$ = 5/15 * $\beta_c$.
Note 2: CM = 1 for $\beta_c/\beta_d$ = 12/15, $\beta_{HS}/\beta_c$ = 24/15. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the $\beta_c/\beta_d$ ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c$ = 10/15 and $\beta_d$ = 15/15.
Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.
Note 5: $\beta_{ed}$ can not be set directly; it is set by Absolute Grant Value.
Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

7. LTE modes test according to **KDB 941225D05v02r05.**

a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.

- Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
- When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation

- The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation

- For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.
- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is >

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½ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

- For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is > ½ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.
- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.

WLAN

802.11b DSSS SAR Test Requirements:

8. SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

9. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

802.11g/n OFDM SAR Test Exclusion Requirements:

10. SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

    Initial Test Configuration:

11. An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the

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highest maximum output power specified for production units in each standalone and aggregated frequency band.

12. SAR is measured using the highest measured maximum output power channel. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

13. Since the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for subsequent test configuration.

14. Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.

15. BT and WLAN Ant 0 use the same antenna path and Bluetooth may transmit with WLAN Ant 1 simultaneously.

16. According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is ≤ 0.8 W/kg, when the transmission band is ≤ 100MHz.

17. According to **KDB865664D01v01r04**, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 W/kg, repeated that measurement once. 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 ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit)

18. For 2.4/5GHz WLAN Ant 0 and Ant 1 antennas, the maximum output power of each antenna during simultaneous transmission is the same with or less than that used in standalone transmission, and we used the sum of 1-g SAR provision in KDB447498D01 to exclude the simultaneous transmitted SAR measurement.

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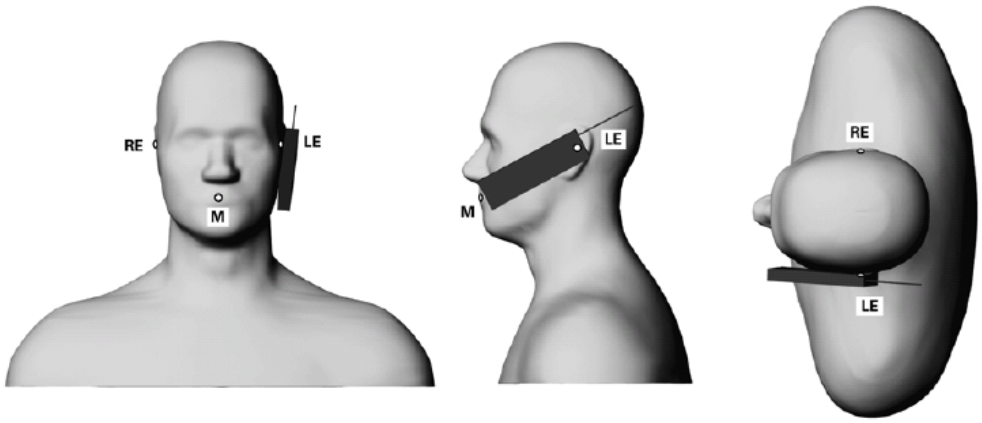
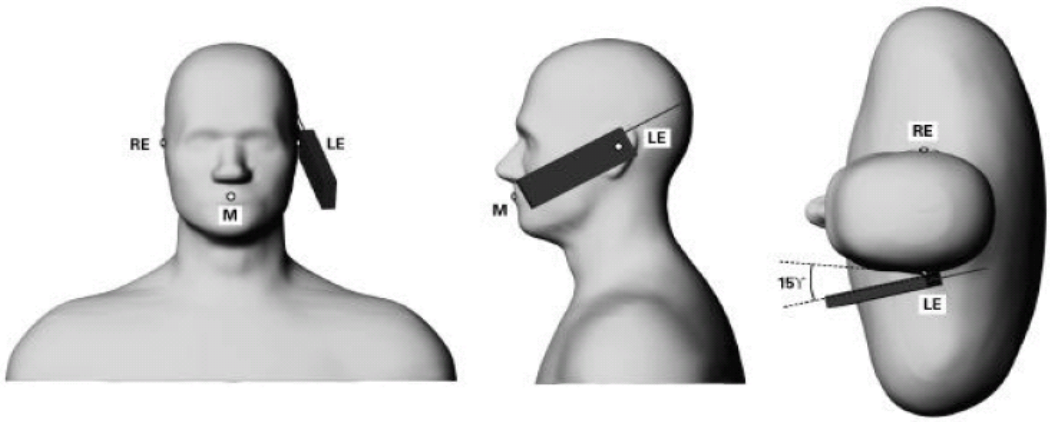
## 1.6 Positioning Procedure

### Head SAR measurement statement




Phone position 1, “cheek” or “touch” position. The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning.




Phone position 2, “tilted position.” The reference points for the right ear (RE), left ear (LE) and mouth (M), which define the reference plane for phone positioning.

Cheek/Touch Position:
The handset was brought toward the mouth of the head phantom by pivoting against the ear reference point until any point of the mouthpiece or keypad touched the phantom.
Ear/Tilt Position:
With the phone aligned in the Cheek/Touch position, the handset was tilted away from the mouth with respect to the test device reference point by 15 degrees.

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## Body SAR measurement statement

1. Body-worn exposure: 10mm
   Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative test separation distance configuration may be used to support both SAR conditions. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.

2. Hotspot exposure: 10mm
   A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge when the form factor of a handset is larger than 9 cm × 5 cm.

3. Phablet SAR test consideration
   Since the device is a phablet (overall diagonal dimension > 16.0 cm), the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for product specific 10-g SAR. When hotspot mode applies, product specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg. Since the highest reported hotspot SAR for WWAN/WLAN 2.4GHz is less than 1.2, 10-g extremity SAR is not required for them. For WLAN 5 GHz, product specific 10g-SAR is required since hotspot function is not supported in them.

4. Based on KDB941225D06v02r01, the hotspot mode and body-worn accessory SAR test configurations may overlap for handsets. When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations. For WCDMA / LTE / WLAN, since the maximum power is the same between body-worn and hotspot mode, and the test distance of hotspot mode is the same with that of body-worn mode, hotspot mode SAR is used to support body-worn SAR. For GSM850/1900, since the wireless mode transmission configurations is different between body-worn and hotspot mode, body-worn SAR is performed.

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## 1.7 Evaluation Procedures

The entire evaluation of the spatial peak values is performed within the Post-processing engine (SEMCAD). The system always gives the maximum values for the 1 g and 10 g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

1. The extraction of the measured data (grid and values) from the Zoom Scan.
2. The calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters).
3. The generation of a high-resolution mesh within the measured volume.
4. The interpolation of all measured values from the measurement grid to the high-resolution grid.
5. The extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface.
6. The calculation of the averaged SAR within masses of 1g and 10g.

The probe is calibrated at the center of the dipole sensors that is located 1 to 2.7mm away from the probe tip. During measurements, the probe stops shortly above the phantom surface, depending on the probe and the surface detecting system. Both distances are included as parameters in the probe configuration file. The software always knows exactly how far away the measured point is from the surface. As the probe cannot directly measure at the surface, the values between the deepest measured point and the surface must be extrapolated. The angle between the probe axis and the surface normal line is less than 30 degree.

In the Area Scan, the gradient of the interpolation function is evaluated to find all the extreme of the SAR distribution. The uncertainty on the locations of the extreme is less than 1/20 of the grid size. Only local maximum within –2 dB of the global maximum are searched and passed for the Cube Scan measurement. In the Cube Scan, the interpolation function is used to extrapolate the Peak SAR from the lowest measurement points to the inner phantom surface (the extrapolation distance). The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5mm.

The maximum search is automatically performed after each area scan measurement. It is based on splines in two or three dimensions. The procedure can find the maximum for most SAR distributions even with relatively large grid spacing. After the area scanning measurement, the probe is automatically moved to a position at the interpolated maximum. The following scan can directly use this position for reference, e.g., for a finer resolution grid or the cube evaluations. The 1g and 10g peak evaluations are only available for the predefined cube 7x7x7 scans.

The routines are verified and optimized for the grid dimensions used in these cube measurements. The measured volume of 30x30x30mm contains about 30g of tissue. The first procedure is an extrapolation (incl. Boundary correction) to get the points between the lowest measured plane and the surface. The next step uses 3D interpolation to get all points within the measured volume. In the last step, a 1g cube is placed numerically into the volume and its averaged SAR is calculated. This cube is

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the moved around until the highest averaged SAR is found.
If the highest SAR is found at the edge of the measured volume, the system will issue a warning: higher SAR values might be found outside of the measured volume. In that case the cube measurement can be repeated, using the new interpolated maximum as the center.

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## 1.8 Probe Calibration Procedures

For the calibration of E-field probes in lossy liquids, an electric field with an accurately known field strength must be produced within the measured liquid. For standardization purposes it would be desirable if all measurements which are necessary to assess the correct field strength would be traceable to standardized measurement procedures. In the following two different calibration techniques are summarized:

### 1.8.1 Transfer Calibration with Temperature Probes

In lossy liquids the specific absorption rate (SAR) is related both to the electric field ($E$) and the temperature gradient ($\delta T / \delta t$) in the liquid.

$$SAR = C \frac{\delta T}{\delta t},$$

Whereby σ is the conductivity, ρ the density and c the heat capacity of the liquid.

Hence, the electric field in lossy liquid can be measured indirectly by measuring the temperature gradient in the liquid. Non-disturbing temperature probes (optical probes or thermistor probes with resistive lines) with high spatial resolution (<1-2 mm) and fast reaction time (<1 s) are available and can be easily calibrated with high precision [1]. The setup and the exciting source have no influence on the calibration; only the relative positioning uncertainties of the standard temperature probe and the E-field probe to be calibrated must be considered. However, several problems limit the available accuracy of probe calibrations with temperature probes:

1. The temperature gradient is not directly measurable but must be evaluated from temperature measurements at different time steps. Special precaution is necessary to avoid measurement errors caused by temperature gradients due to energy equalizing effects or convection currents in the liquid. Such effects cannot be completely avoided, as the measured field itself destroys the thermal equilibrium in the liquid. With a careful setup these errors can be kept

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small.

2. The measured volume around the temperature probe is not well defined. It is difficult to calculate the energy transfer from a surrounding gradient temperature field into the probe. These effects must be considered, since temperature probes are calibrated in liquid with homogeneous temperatures. There is no traceable standard for temperature rise measurements.
3. The calibration depends on the assessment of the specific density, the heat capacity and the conductivity of the medium. While the specific density and heat capacity can be measured accurately with standardized procedures (~ 2% for c; much better for ρ), there is no standard for the measurement of the conductivity. Depending on the method and liquid, the error can well exceed ±5%.
4. Temperature rise measurements are not very sensitive and therefore are often performed at a higher power level than the E-field measurements. The nonlinearities in the system (e.g., power measurements, different components, etc.) must be considered.

Considering these problems, the possible accuracy of the calibration of E-field probes with temperature gradient measurements in a carefully designed setup is about ±10% (RSS) [2]. Recently, a setup which is a combination of the waveguide techniques and the thermal measurements was presented in [3]. The estimated uncertainty of the setup is ±5% (RSS) when the same liquid is used for the calibration and for actual measurements and ±7-9% (RSS) when not, which is in good agreement with the estimates given in [2].

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### 1.8.2 Calibration with Analytical Fields

In this method a technical setup is used in which the field can be calculated analytically from measurements of other physical magnitudes (e.g., input power). This corresponds to the standard field method for probe calibration in air; however, there is no standard defined for fields in lossy liquids.

When using calculated fields in lossy liquids for probe calibration, several points must be considered in the assessment of the uncertainty:

1. The setup must enable accurate determination of the incident power.
2. The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.
3. Due to the small wavelength in liquids with high permittivity, even small setups might be above the resonant cutoff frequencies. The field distribution in the setup must be carefully checked for conformity with the theoretical field distribution.

**References**

(1) N. Kuster, Q. Balzano, and J.C. Lin, Eds., *Mobile Communications Safety*, Chapman & Hall, London, 1997.

(2) K. Meier, M. Burkhardt, T. Schmid, and N. Kuster, \Broadband calibration of E-field probes in lossy media", *IEEE Transactions on Microwave Theory and Techniques*, vol. 44, no. 10, pp. 1954{1962, Oct. 1996.

(3) K. Jokela, P. Hyysalo, and L. Puranen, \Calibration of specific absorption rate (SAR) probes in waveguide at 900 MHz", *IEEE Transactions on Instrumentation and Measurements*, vol. 47, no. 2, pp. 432{438, Apr. 1998.

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## 1.9 The SAR Measurement System

A block diagram of the SAR measurement system is given in Fig. a. This SAR measurement system uses a Computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). Model EX3DV4 field probes are used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ (|Ei|2)/ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.

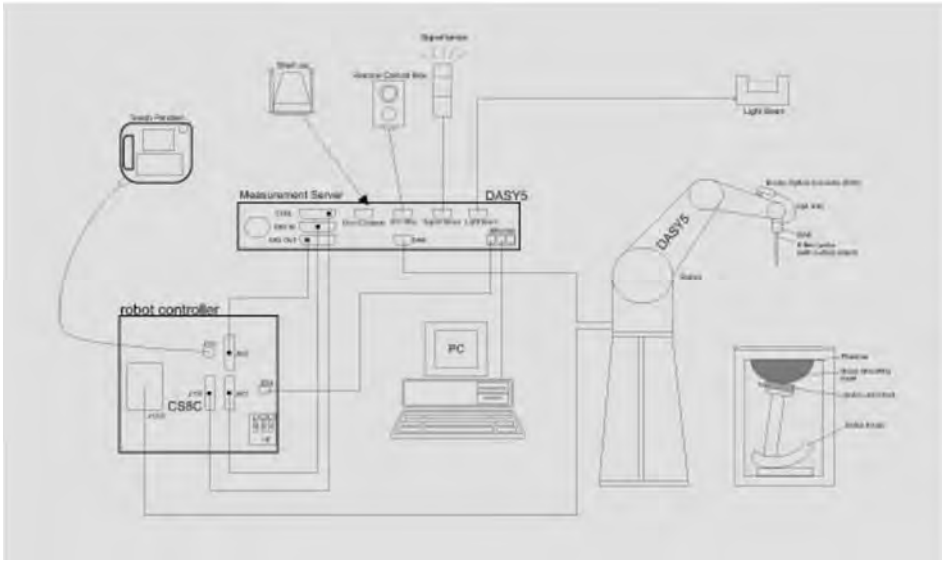


Fig. a A block diagram of the SAR measurement system

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The DASY 5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Staubli RX family) with controller, teach pendant and software. An arm extension is for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. 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.
4. The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
5. The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
6. A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
7. A computer operating Windows7
8. DASY 5 software.
9. Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
10. The SAM twin phantom enabling testing left-hand and right-hand usage.
11. The device holder for handheld mobile phones.
12. Tissue simulating liquid mixed according to the given recipes.
13. Validation dipole kits allowing to validate the proper functioning of the system.

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## 1.10 System Components

### EX3DV4 E-Field Probe

| | | |
|---|---|---|
| Construction | Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE) | |
| Calibration | Basic Broad Band Calibration in air<br>Conversion Factors (CF) for HSL750/835/1750/1900/2450/2600/5200/5300/5600 5800 MHz Additional CF for other liquids and frequencies upon request | |
| Frequency | 10 MHz to > 6 GHz, Linearity: ± 0.6 dB | |
| Directivity | ± 0.3 dB in HSL (rotation around probe axis)<br>± 0.5 dB in tissue material (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 | Tip diameter: 2.5 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%. | |

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## Phantom

| | |
|---|---|
| Model | Twin SAM |
| Construction | The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209.<br>It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points with the robot. |
| Shell Thickness | 2 ± 0.2 mm |
| Filling Volume | Approx. 25 liters |
| Dimensions | Height: 850 mm;<br>Length: 1000 mm;<br>Width: 500 mm |

## DEVICE HOLDER

| | |
|---|---|
| Construction | In combination with the Twin SAM Phantom V4.0/V4.0C or Twin SAM, the Mounting Device (made from POM) enables the rotation of the mounted transmitter in spherical coordinates, whereby the rotation point is the ear opening. The devices can be easily and accurately positioned according to IEC, IEEE, CENELEC, FCC or other specifications. The device holder can be locked at different phantom locations (left head, right head, flat phantom). |

Device Holder

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## 1.11 SAR System Verification

The microwave circuit arrangement for system verification is sketched in Fig. b. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% (according to KDB865664D01) from the target SAR values.
These tests were done at 750/835/1750/1900/2450/2600/5200/5300/5600/5800 MHz. The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed in the table 1. During the tests, the liquid depth above the ear reference points was above 15 cm (≤3G) or 10 cm (>3G) in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.

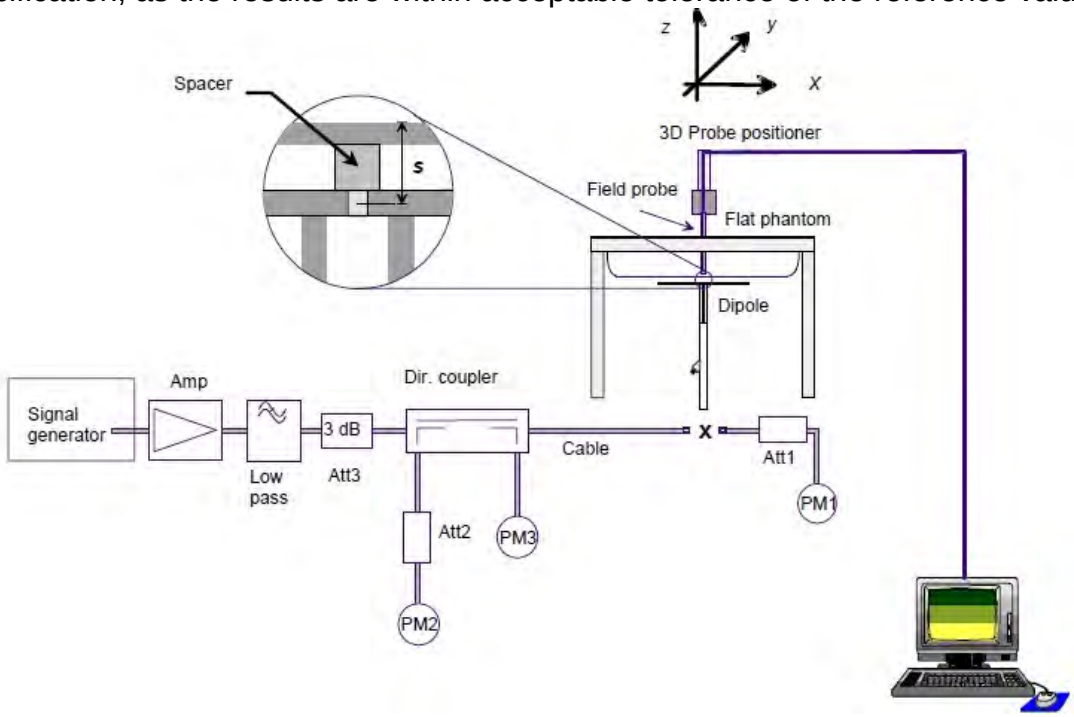


Fig. b The block diagram of system verification

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| Validation Kit | S/N | Frequency (MHz) | | 1W Target SAR-1g (mW/g) | pin=250mW Measured SAR-1g (mW/g) | Measured SAR-1g normalized to 1W (mW/g) | Deviation (%) | Measured Date |
|---|---|---|---|---|---|---|---|---|
| D750V3 | 1015 | 750 | Head | 8.6 | 2.15 | 8.60 | 0.00% | Jan, 03, 2020 |
| | | | | 8.6 | 2.14 | 8.56 | -0.47% | Jan, 04, 2020 |
| D835V2 | 4d063 | 835 | Head | 9.57 | 2.46 | 9.84 | 2.82% | Jan, 03, 2020 |
| | | | | 9.57 | 2.39 | 9.56 | -0.10% | Jan, 05, 2020 |
| D1750V2 | 1008 | 1750 | Head | 36.8 | 9.18 | 36.72 | -0.22% | Jan, 06, 2020 |
| D1900V2 | 5d173 | 1900 | Head | 40.2 | 9.85 | 39.40 | -1.99% | Jan, 07, 2020 |
| D2450V2 | 727 | 2450 | Head | 53 | 13.70 | 54.80 | 3.40% | Jan, 10, 2020 |
| D2600V2 | 1005 | 2600 | Head | 55.3 | 14.10 | 56.40 | 1.99% | Jan, 08, 2020 |
| | | | | 55.3 | 14.00 | 56.00 | 1.27% | Jan, 09, 2020 |
| Validation Kit | S/N | Frequency (MHz) | | 1W Target SAR-1g (mW/g) | pin=100mW Measured SAR-1g (mW/g) | Measured SAR-1g normalized to 1W (mW/g) | Deviation (%) | Measured Date |
| D5GHzV2 | 1023 | 5200 | Head | 79.2 | 7.82 | 78.20 | -1.26% | Jan, 11, 2020 |
| | | | | 79.2 | 7.84 | 78.40 | -1.01% | Jan, 12, 2020 |
| | 1023 | 5300 | Head | 82.6 | 8.27 | 82.70 | 0.12% | Jan, 11, 2020 |
| | | | | 82.6 | 8.24 | 82.40 | -0.24% | Jan, 12, 2020 |
| | 1023 | 5600 | Head | 85.7 | 8.62 | 86.20 | 0.58% | Jan, 11, 2020 |
| | | | | 85.7 | 8.59 | 85.90 | 0.23% | Jan, 13, 2020 |
| | 1023 | 5800 | Head | 80.4 | 7.99 | 79.90 | -0.62% | Jan, 11, 2020 |
| | | | | 80.4 | 8.06 | 80.60 | 0.25% | Jan, 13, 2020 |

| Validation Kit | S/N | Frequency (MHz) | | 1W Target SAR-10g (mW/g) | pin=250mW Measured SAR-10g (mW/g) | Measured SAR-10g normalized to 1W (mW/g) | Deviation (%) | Measured Date |
|---|---|---|---|---|---|---|---|---|
| D2450V2 | 727 | 2450 | Head | 24.7 | 6.32 | 25.28 | 2.35% | Jan, 10, 2020 |
| Validation Kit | S/N | Frequency (MHz) | | 1W Target SAR-10g (mW/g) | pin=100mW Measured SAR-10g (mW/g) | Measured SAR-10g normalized to 1W (mW/g) | Deviation (%) | Measured Date |
| D5GHzV2 | 1023 | 5200 | Head | 22.5 | 2.22 | 22.20 | -1.33% | Jan, 11, 2020 |
| | | | | 22.5 | 2.22 | 22.20 | -1.33% | Jan, 12, 2020 |
| | 1023 | 5300 | Head | 23.5 | 2.35 | 23.50 | 0.00% | Jan, 11, 2020 |
| | | | | 23.5 | 2.32 | 23.20 | -1.28% | Jan, 12, 2020 |
| | 1023 | 5600 | Head | 24.4 | 2.47 | 24.70 | 1.23% | Jan, 11, 2020 |
| | | | | 24.4 | 2.44 | 24.40 | 0.00% | Jan, 13, 2020 |
| | 1023 | 5800 | Head | 22.7 | 2.25 | 22.50 | -0.88% | Jan, 11, 2020 |
| | | | | 22.7 | 2.27 | 22.70 | 0.00% | Jan, 13, 2020 |

Table 1. Results of system validation

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## 1.12 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this Head-simulant fluid were measured by using the Agilent Model 85070E Dielectric Probe (rates frequency band 200 MHz to 20 GHz) in conjunction with Network Analyzer.
All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The depth of the tissue simulant in the flat section of the phantom was at least 15 cm (≤3G) or 10 cm (>3G) during all tests. (Appendix Fig. 2)

| Tissue Type | Measurement Date | Measured Frequency (MHz) | Target Dielectric Constant, εr | Target Conductivity, σ (S/m) | Measured Dielectric Constant, εr | Measured Conductivity, σ (S/m) | % dev εr | % dev σ |
|---|---|---|---|---|---|---|---|---|
| Head | Jan, 03. 2020 | 704 | 42.181 | 0.890 | 41.835 | 0.882 | -0.82% | -0.88% |
| | | 707.5 | 42.162 | 0.890 | 41.829 | 0.884 | -0.79% | -0.68% |
| | | 709 | 42.155 | 0.890 | 41.825 | 0.885 | -0.78% | -0.58% |
| | | 711 | 42.144 | 0.890 | 41.820 | 0.887 | -0.77% | -0.37% |
| | | 750 | 41.942 | 0.893 | 41.593 | 0.888 | -0.83% | -0.60% |
| | | 782 | 41.775 | 0.896 | 41.420 | 0.889 | -0.85% | -0.77% |
| | Jan, 04. 2020 | 704 | 42.181 | 0.890 | 41.844 | 0.882 | -0.80% | -0.88% |
| | | 707.5 | 42.162 | 0.890 | 41.832 | 0.883 | -0.78% | -0.79% |
| | | 709 | 42.155 | 0.890 | 41.813 | 0.887 | -0.81% | -0.36% |
| | | 711 | 42.144 | 0.890 | 41.812 | 0.888 | -0.79% | -0.26% |
| | | 750 | 41.942 | 0.893 | 41.599 | 0.889 | -0.82% | -0.49% |
| | | 782 | 41.775 | 0.896 | 41.423 | 0.889 | -0.84% | -0.77% |
| | Jan, 03. 2020 | 824.2 | 41.556 | 0.899 | 41.348 | 0.892 | -0.50% | -0.80% |
| | | 829 | 41.531 | 0.900 | 41.323 | 0.893 | -0.50% | -0.73% |
| | | 835 | 41.500 | 0.900 | 41.321 | 0.894 | -0.43% | -0.67% |
| | | 836.5 | 41.500 | 0.902 | 41.313 | 0.895 | -0.45% | -0.73% |
| | | 836.6 | 41.500 | 0.902 | 41.312 | 0.895 | -0.45% | -0.75% |
| | Jan, 05. 2020 | 824.2 | 41.556 | 0.899 | 41.350 | 0.892 | -0.50% | -0.80% |
| | | 829 | 41.531 | 0.900 | 41.327 | 0.895 | -0.49% | -0.50% |
| | | 835 | 41.500 | 0.900 | 41.323 | 0.897 | -0.43% | -0.33% |
| | | 836.5 | 41.500 | 0.902 | 41.314 | 0.898 | -0.45% | -0.40% |
| | | 836.6 | 41.500 | 0.902 | 41.311 | 0.898 | -0.46% | -0.41% |
| | Jan, 06. 2020 | 1720 | 40.126 | 1.354 | 40.335 | 1.364 | 0.52% | 0.76% |
| | | 1745 | 40.087 | 1.368 | 40.275 | 1.379 | 0.47% | 0.79% |
| | | 1750 | 40.079 | 1.371 | 40.269 | 1.382 | 0.47% | 0.80% |
| | Jan, 07. 2020 | 1860 | 40.000 | 1.400 | 40.212 | 1.404 | 0.53% | 0.29% |
| | | 1880 | 40.000 | 1.400 | 40.188 | 1.405 | 0.47% | 0.36% |
| | | 1900 | 40.000 | 1.400 | 40.187 | 1.407 | 0.47% | 0.50% |
| | | 1909.8 | 40.000 | 1.400 | 40.176 | 1.408 | 0.44% | 0.57% |
| | Jan, 10. 2020 | 2437 | 39.223 | 1.788 | 38.857 | 1.771 | -0.93% | -0.98% |
| | | 2441 | 39.216 | 1.792 | 38.843 | 1.774 | -0.95% | -1.00% |
| | | 2450 | 39.200 | 1.800 | 38.788 | 1.782 | -1.05% | -1.00% |
| | | 2462 | 39.185 | 1.813 | 38.767 | 1.794 | -1.07% | -1.05% |

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| Tissue Type | Measurement Date | Measured Frequency (MHz) | Target Dielectric Constant, εr | Target Conductivity, σ (S/m) | Measured Dielectric Constant, εr | Measured Conductivity, σ (S/m) | % dev εr | % dev σ |
|---|---|---|---|---|---|---|---|---|
| Head | Jan, 08. 2020 | 2535 | 39.092 | 1.893 | 38.685 | 1.874 | -1.04% | -0.99% |
| | | 2560 | 39.060 | 1.920 | 38.673 | 1.901 | -0.99% | -0.99% |
| | | 2593 | 39.018 | 1.956 | 38.612 | 1.937 | -1.04% | -0.97% |
| | | 2600 | 39.009 | 1.964 | 38.607 | 1.944 | -1.03% | -1.00% |
| | | 2610 | 38.996 | 1.975 | 38.604 | 1.955 | -1.01% | -0.99% |
| | | 2636.5 | 38.963 | 2.003 | 38.565 | 1.984 | -1.02% | -0.97% |
| | Jan, 09. 2020 | 2535 | 39.092 | 1.893 | 38.679 | 1.872 | -1.06% | -1.10% |
| | | 2560 | 39.060 | 1.920 | 38.669 | 1.903 | -1.00% | -0.89% |
| | | 2593 | 39.018 | 1.956 | 38.608 | 1.935 | -1.05% | -1.07% |
| | | 2600 | 39.009 | 1.964 | 38.604 | 1.941 | -1.04% | -1.15% |
| | | 2610 | 38.996 | 1.975 | 38.597 | 1.954 | -1.02% | -1.04% |
| | | 2636.5 | 38.963 | 2.003 | 38.562 | 1.985 | -1.03% | -0.92% |
| | Jan, 11. 2020 | 5200 | 35.986 | 4.655 | 35.621 | 4.632 | -1.01% | -0.49% |
| | | 5210 | 35.974 | 4.665 | 35.618 | 4.643 | -0.99% | -0.48% |
| | | 5290 | 35.883 | 4.747 | 35.524 | 4.721 | -1.00% | -0.55% |
| | | 5300 | 35.871 | 4.758 | 35.502 | 4.733 | -1.03% | -0.51% |
| | | 5600 | 35.529 | 5.065 | 35.180 | 5.040 | -0.98% | -0.49% |
| | | 5690 | 35.426 | 5.157 | 35.082 | 5.129 | -0.97% | -0.55% |
| | | 5775 | 35.329 | 5.244 | 34.979 | 5.217 | -0.99% | -0.52% |
| | | 5800 | 35.300 | 5.270 | 34.929 | 5.243 | -1.05% | -0.51% |
| | Jan, 12. 2020 | 5200 | 35.986 | 4.655 | 35.620 | 4.631 | -1.02% | -0.52% |
| | | 5210 | 35.974 | 4.665 | 35.614 | 4.644 | -1.00% | -0.46% |
| | | 5290 | 35.883 | 4.747 | 35.518 | 4.724 | -1.02% | -0.49% |
| | | 5300 | 35.871 | 4.758 | 35.500 | 4.731 | -1.04% | -0.56% |
| | Jan, 13. 2020 | 5600 | 35.529 | 5.065 | 35.178 | 5.045 | -0.99% | -0.39% |
| | | 5690 | 35.426 | 5.157 | 35.073 | 5.131 | -1.00% | -0.51% |
| | | 5775 | 35.329 | 5.244 | 34.972 | 5.222 | -1.01% | -0.43% |
| | | 5800 | 35.300 | 5.270 | 34.921 | 5.242 | -1.07% | -0.53% |

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the tissue simulating liquid:

| Frequency (MHz) | Mode | Ingredient | | | | | | Total amount |
|---|---|---|---|---|---|---|---|---|
| | | DGMBE | Water | Salt | Preventol D-7 | Cellulose | Sugar | |
| 750 | Head | — | 532.98 g | 18.3 g | 2.4 g | 3.2 g | 766 g | 1.3L(Kg) |
| 850 | Head | — | 532.98 g | 18.3 g | 2.4 g | 3.2 g | 766 g | 1.3L(Kg) |
| 1750 | Head | 444.52 g | 552.42 g | 3.06 g | — | — | — | 1.0L(Kg) |
| 1900 | Head | 444.52 g | 552.42 g | 3.06 g | — | — | — | 1.0L(Kg) |
| 2450 | Head | 550ml | 450ml | — | — | — | — | 1.0L(Kg) |
| 2600 | Head | 550ml | 450ml | — | — | — | — | 1.0L(Kg) |

Simulating Liquids for 5 GHz, Manufactured by SPEAG:

| Ingredients | Water | Esters, Emulsifiers, Inhibitors | Sodium and Salt |
|---|---|---|---|
| (% by weight) | 60-80 | 20-40 | 0-1.5 |

Table 3. Recipes for tissue simulating liquid

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## 1.13 Test Standards and Limits

According to FCC 47CFR §2.1093(d) The limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (‘‘SAR’’) in Section 4.2 of ‘‘IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,’’ ANSI/IEEE C95.1, By the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in ‘‘Biological Effects and Exposure Criteria for Radio frequency Electromagnetic Fields,’’ NCRP Report No. 86, Section 17.4.5. Copyright NCRP, 1986, Bethesda, Maryland 20814. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards. The criteria to be used are specified in paragraphs (d)(1) and (d)(2) of this section and shall apply for portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz are to be evaluated in terms of the MPE limits specified in § 1.1310 of this chapter.
Measurements and calculations to demonstrate compliance with MPE field strength or power density limits for devices operating above 6 GHz should be made at a minimum distance of 5 cm from the radiating source.

1. Limits for Occupational/Controlled exposure: 0.4 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 8 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 20 W/kg, as averaged over a 10 grams of tissue (defined as a tissue volume in the shape of a cube).

Occupational/Controlled limits apply when persons are exposed as a consequence of their employment provided these persons are fully aware of and exercise control over their exposure. Awareness of exposure can be accomplished by use of warning labels or by specific training or education through appropriate means, such as an RF safety program in a work environment.

2. Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube).

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Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube).
General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure.
Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.(Table .6)

| Human Exposure | Uncontrolled Environment General Population | Controlled Environment Occupational |
|---|---|---|
| Spatial Peak SAR (Brain) | 1.60 W/kg | 8.00 W/kg |
| Spatial Average SAR (Whole Body) | 0.08 W/kg | 0.40 W/kg |
| Spatial Peak SAR (Hands/Feet/Ankle/Wrist) | 4.00 W/kg | 20.00 W/kg |

Table 4. RF exposure limits

Notes:
1. Uncontrolled environments are defined as locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.
2. Controlled environments are defined as locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure.

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# 2. Summary of Results

## 2.1 Decision rules

Reported measurement data comply with IEEE 1528-2013:
Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

## 2.2 Summary of Results

### GSM 850

| Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Measured | Reported | |
| Head (GSM) | Re Cheek | - | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.07 | 0.09 | 175 |
| | Re Tilt | - | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.03 | 0.04 | - |
| | Le Cheek | - | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.06 | 0.07 | - |
| | Le Tilt | - | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.03 | 0.04 | - |
| Body-worn (GSM) | Front side | 10 | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.11 | 0.14 | - |
| | Back side | 10 | 128 | 824.2 | 33.5 | 32.58 | 123.59% | 0.13 | 0.16 | 176 |
| Hotspot (GPRS) <1Dn4Up> | Front side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.12 | 0.16 | - |
| | Back side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.14 | 0.18 | 177 |
| | Top side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.01 | 0.01 | - |
| | Bottom side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.09 | 0.12 | - |
| | Right side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.14 | 0.18 | - |
| | Left side | 10 | 190 | 836.6 | 29.0 | 27.88 | 129.42% | 0.03 | 0.04 | - |

### GSM 1900

| Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Measured | Reported | |
| Head (GSM) | Re Cheek | - | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.06 | 0.08 | - |
| | Re Tilt | - | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.03 | 0.04 | - |
| | Le Cheek | - | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.06 | 0.08 | 178 |
| | Le Tilt | - | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.03 | 0.04 | - |
| Body-worn (GSM) | Front side | 10 | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.20 | 0.26 | - |
| | Back side | 10 | 810 | 1909.8 | 30.5 | 29.44 | 127.64% | 0.23 | 0.29 | 179 |
| Hotspot (GPRS) <1Dn4Up> | Front side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.25 | 0.34 | - |
| | Back side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.26 | 0.35 | 180 |
| | Top side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.02 | 0.03 | - |
| | Bottom side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.24 | 0.33 | - |
| | Right side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.06 | 0.08 | - |
| | Left side | 10 | 810 | 1909.8 | 26.0 | 24.65 | 136.46% | 0.12 | 0.16 | - |

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## WCDMA Band II

| Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Measured | Reported | |
| R99 (Head) | RE Cheek | - | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.06 | 0.07 | - |
| | RE Tilt | - | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.03 | 0.04 | - |
| | LE Cheek | - | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.08 | 0.09 | 181 |
| | LE Tilt | - | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.03 | 0.04 | - |
| Body-Worn | Front side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.29 | 0.34 | - |
| | Back side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.36 | 0.42 | - |
| Hotspot | Front side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.29 | 0.34 | - |
| | Back side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.36 | 0.42 | 182 |
| | Top side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.01 | 0.01 | - |
| | Bottom side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.28 | 0.33 | - |
| | Right side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.05 | 0.06 | - |
| | Left side | 10 | 9400 | 1880 | 23.3 | 22.59 | 117.76% | 0.18 | 0.21 | - |

## WCDMA Band IV

| Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Measured | Reported | |
| R99 (Head) | RE Cheek | - | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.07 | 0.08 | - |
| | RE Tilt | - | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.04 | 0.05 | - |
| | LE Cheek | - | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.09 | 0.10 | 183 |
| | LE Tilt | - | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.05 | 0.06 | - |
| Body-Worn | Front side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.23 | 0.27 | - |
| | Back side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.28 | 0.33 | - |
| Hotspot | Front side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.23 | 0.27 | - |
| | Back side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.28 | 0.33 | 184 |
| | Top side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.01 | 0.01 | - |
| | Bottom side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.23 | 0.27 | - |
| | Right side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.03 | 0.03 | - |
| | Left side | 10 | 1412 | 1732.4 | 23.3 | 22.65 | 116.14% | 0.13 | 0.15 | - |

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## WCDMA Band V

| Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Measured | Reported | |
| R99 (Head) | RE Cheek | - | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.07 | 0.08 | 185 |
| | RE Tilt | - | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.04 | 0.05 | - |
| | LE Cheek | - | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.06 | 0.07 | - |
| | LE Tilt | - | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.04 | 0.05 | - |
| Body-Worn | Front side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.20 | 0.23 | - |
| | Back side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.21 | 0.24 | - |
| Hotspot | Front side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.20 | 0.23 | - |
| | Back side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.21 | 0.24 | 186 |
| | Top side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.01 | 0.01 | - |
| | Bottom side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.17 | 0.20 | - |
| | Right side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.21 | 0.24 | - |
| | Left side | 10 | 4183 | 836.6 | 25 | 24.38 | 115.35% | 0.05 | 0.06 | - |

## LTE FDD Band 2

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 20MHz | QPSK | 1 RB | 0 | RE Cheek | - | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.08 | 0.09 | - |
| | | | | | RE Tilt | - | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.05 | 0.06 | - |
| | | | | | LE Cheek | - | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.09 | 0.11 | 187 |
| | | | | | LE Tilt | - | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.05 | 0.06 | - |
| | | | 50 RB | 50 | RE Cheek | - | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.06 | 0.07 | - |
| | | | | | RE Tilt | - | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.04 | 0.05 | - |
| | | | | | LE Cheek | - | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.07 | 0.08 | - |
| | | | | | LE Tilt | - | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.04 | 0.05 | - |
| | | | 100 RB | | RE Cheek | - | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.05 | 0.06 | - |
| | | | | | RE Tilt | - | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.04 | 0.05 | - |
| | | | | | LE Cheek | - | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.07 | 0.08 | - |
| | | | | | LE Tilt | - | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.04 | 0.05 | - |
| Body-worn | 20MHz | QPSK | 1RB | 0 | Front side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.29 | 0.34 | - |
| | | | | | Back side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.33 | 0.39 | - |
| Hotspot | 20MHz | QPSK | 1 RB | 0 | Front side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.29 | 0.34 | - |
| | | | | | Back side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.33 | 0.39 | 188 |
| | | | | | Top side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.28 | 0.33 | - |
| | | | | | Right side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.04 | 0.05 | - |
| | | | | | Left side | 10 | 18700 | 1860 | 23.3 | 22.57 | 118.30% | 0.16 | 0.19 | - |
| | | | 50 RB | 50 | Front side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.22 | 0.26 | - |
| | | | | | Back side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.26 | 0.30 | - |
| | | | | | Top side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.21 | 0.24 | - |
| | | | | | Right side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.03 | 0.03 | - |
| | | | | | Left side | 10 | 18700 | 1860 | 22.3 | 21.64 | 116.41% | 0.12 | 0.14 | - |
| | | | 100 RB | | Front side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.20 | 0.24 | - |
| | | | | | Back side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.24 | 0.28 | - |
| | | | | | Top side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.19 | 0.22 | - |
| | | | | | Right side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 18700 | 1860 | 22.3 | 21.57 | 118.30% | 0.10 | 0.12 | - |

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## LTE FDD Band 4

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 20MHz | QPSK | 1 RB | 50 | RE Cheek | - | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.07 | 0.08 | - |
| | | | | | RE Tilt | - | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.04 | 0.05 | - |
| | | | | | LE Cheek | - | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.08 | 0.09 | 189 |
| | | | | | LE Tilt | - | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.05 | 0.06 | - |
| | | | 50 RB | 0 | RE Cheek | - | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.05 | 0.06 | - |
| | | | | | RE Tilt | - | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.03 | 0.03 | - |
| | | | | | LE Cheek | - | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.07 | 0.08 | - |
| | | | | | LE Tilt | - | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.04 | 0.05 | - |
| | | | 100 RB | | RE Cheek | - | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.05 | 0.06 | - |
| | | | | | RE Tilt | - | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.03 | 0.03 | - |
| | | | | | LE Cheek | - | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.06 | 0.07 | - |
| | | | | | LE Tilt | - | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.04 | 0.05 | - |
| Body-worn | 20MHz | QPSK | 1RB | 50 | Front side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.23 | 0.27 | - |
| | | | | | Back side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.27 | 0.31 | - |
| Hotspot | 20MHz | QPSK | 1 RB | 50 | Front side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.23 | 0.27 | - |
| | | | | | Back side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.27 | 0.31 | 190 |
| | | | | | Top side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.22 | 0.26 | - |
| | | | | | Right side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.03 | 0.03 | - |
| | | | | | Left side | 10 | 20050 | 1720 | 23.3 | 22.64 | 116.41% | 0.13 | 0.15 | - |
| | | | 50 RB | 0 | Front side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.17 | 0.19 | - |
| | | | | | Back side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.23 | 0.26 | - |
| | | | | | Top side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.17 | 0.19 | - |
| | | | | | Right side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 20300 | 1745 | 22.3 | 21.71 | 114.55% | 0.09 | 0.10 | - |
| | | | 100 RB | | Front side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.16 | 0.18 | - |
| | | | | | Back side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.22 | 0.25 | - |
| | | | | | Top side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.14 | 0.16 | - |
| | | | | | Right side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 20050 | 1720 | 22.3 | 21.70 | 114.82% | 0.09 | 0.10 | - |

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## LTE FDD Band 5

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 10MHz | QPSK | 1 RB | 25 | RE Cheek | - | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.05 | 0.06 | 191 |
| | | | | | RE Tilt | - | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.03 | 0.04 | - |
| | | | | | LE Cheek | - | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.05 | 0.06 | - |
| | | | | | LE Tilt | - | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.03 | 0.04 | - |
| | | | 25 RB | 12 | RE Cheek | - | 20450 | 829 | 23 | 22.23 | 119.40% | 0.04 | 0.05 | - |
| | | | | | RE Tilt | - | 20450 | 829 | 23 | 22.23 | 119.40% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 20450 | 829 | 23 | 22.23 | 119.40% | 0.04 | 0.05 | - |
| | | | | | LE Tilt | - | 20450 | 829 | 23 | 22.23 | 119.40% | 0.02 | 0.02 | - |
| | | | 50 RB | | RE Cheek | - | 20450 | 829 | 23 | 22.22 | 119.67% | 0.04 | 0.05 | - |
| | | | | | RE Tilt | - | 20450 | 829 | 23 | 22.22 | 119.67% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 20450 | 829 | 23 | 22.22 | 119.67% | 0.04 | 0.05 | - |
| | | | | | LE Tilt | - | 20450 | 829 | 23 | 22.22 | 119.67% | 0.02 | 0.02 | - |
| Body-worn | 10MHz | QPSK | 1RB | 25 | Front side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.18 | 0.22 | - |
| | | | | | Back side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.20 | 0.24 | - |
| Hotspot | 10MHz | QPSK | 1 RB | 25 | Front side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.18 | 0.22 | - |
| | | | | | Back side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.20 | 0.24 | 192 |
| | | | | | Top side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.13 | 0.16 | - |
| | | | | | Right side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.16 | 0.19 | - |
| | | | | | Left side | 10 | 20525 | 836.5 | 24 | 23.22 | 119.67% | 0.03 | 0.04 | - |
| | | | 25 RB | 12 | Front side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.14 | 0.17 | - |
| | | | | | Back side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.16 | 0.19 | - |
| | | | | | Top side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.11 | 0.13 | - |
| | | | | | Right side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.13 | 0.16 | - |
| | | | | | Left side | 10 | 20450 | 829 | 23 | 22.23 | 119.40% | 0.02 | 0.02 | - |
| | | | 50 RB | | Front side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.13 | 0.16 | - |
| | | | | | Back side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.16 | 0.19 | - |
| | | | | | Top side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.11 | 0.13 | - |
| | | | | | Right side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.13 | 0.16 | - |
| | | | | | Left side | 10 | 20450 | 829 | 23 | 22.22 | 119.67% | 0.02 | 0.02 | - |

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## LTE FDD Band 7

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 20MHz | QPSK | 1 RB | 99 | RE Cheek | - | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.04 | 0.05 | - |
| | | | | | RE Tilt | - | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.03 | 0.04 | - |
| | | | | | LE Cheek | - | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.06 | 0.07 | 193 |
| | | | | | LE Tilt | - | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.03 | 0.04 | - |
| | | | 50 RB | 50 | RE Cheek | - | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.03 | 0.04 | - |
| | | | | | RE Tilt | - | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.05 | 0.06 | - |
| | | | | | LE Tilt | - | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.03 | 0.04 | - |
| | | | 100 RB | | RE Cheek | - | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.03 | 0.04 | - |
| | | | | | RE Tilt | - | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.05 | 0.06 | - |
| | | | | | LE Tilt | - | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.02 | 0.02 | - |
| Body-worn | 20MHz | QPSK | 1RB | 99 | Front side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.25 | 0.31 | - |
| | | | | | Back side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.33 | 0.41 | - |
| Hotspot | 20MHz | QPSK | 1 RB | 99 | Front side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.25 | 0.31 | - |
| | | | | | Back side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.33 | 0.41 | - |
| | | | | | Top side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.64 | 0.79 | 194 |
| | | | | | Right side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.03 | 0.04 | - |
| | | | | | Left side | 10 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.06 | 0.07 | - |
| | | | 50 RB | 50 | Front side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.19 | 0.23 | - |
| | | | | | Back side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.26 | 0.31 | - |
| | | | | | Top side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.53 | 0.64 | - |
| | | | | | Right side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 21350 | 2560 | 23 | 22.17 | 121.06% | 0.05 | 0.06 | - |
| | | | 100 RB | | Front side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.18 | 0.22 | - |
| | | | | | Back side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.25 | 0.31 | - |
| | | | | | Top side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.51 | 0.63 | - |
| | | | | | Right side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 21100 | 2535 | 23 | 22.05 | 124.45% | 0.05 | 0.06 | - |

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## LTE FDD Band 12

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 10MHz | QPSK | 1 RB | 0 | RE Cheek | - | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.03 | 0.04 | 195 |
| | | | | | RE Tilt | - | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.02 | 0.02 | - |
| | | | | | LE Tilt | - | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.01 | 0.01 | - |
| | | | 25 RB | 25 | RE Cheek | - | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.02 | 0.02 | - |
| | | | | | RE Tilt | - | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.01 | 0.01 | - |
| | | | | | LE Tilt | - | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.01 | 0.01 | - |
| | | | 50 RB | | RE Cheek | - | 23060 | 704 | 23 | 22.37 | 115.61% | 0.01 | 0.01 | - |
| | | | | | RE Tilt | - | 23060 | 704 | 23 | 22.37 | 115.61% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 23060 | 704 | 23 | 22.37 | 115.61% | 0.01 | 0.01 | - |
| | | | | | LE Tilt | - | 23060 | 704 | 23 | 22.37 | 115.61% | 0.01 | 0.01 | - |
| Body-worn | 10MHz | QPSK | 1RB | 0 | Front side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.06 | 0.07 | - |
| | | | | | Back side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.07 | 0.09 | - |
| Hotspot | 10MHz | QPSK | 1 RB | 0 | Front side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.06 | 0.07 | - |
| | | | | | Back side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.07 | 0.09 | 196 |
| | | | | | Top side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.02 | 0.02 | - |
| | | | | | Right side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.06 | 0.07 | - |
| | | | | | Left side | 10 | 23095 | 707.5 | 24 | 23.12 | 122.46% | 0.01 | 0.01 | - |
| | | | 25 RB | 25 | Front side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.04 | 0.05 | - |
| | | | | | Back side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.05 | 0.06 | - |
| | | | | | Top side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.01 | 0.01 | - |
| | | | | | Right side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.04 | 0.05 | - |
| | | | | | Left side | 10 | 23095 | 707.5 | 23 | 22.18 | 120.78% | 0.00 | 0.00 | - |
| | | | 50 RB | | Front side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.04 | 0.05 | - |
| | | | | | Back side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.05 | 0.06 | - |
| | | | | | Top side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.01 | 0.01 | - |
| | | | | | Right side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.04 | 0.05 | - |
| | | | | | Left side | 10 | 23060 | 704 | 23 | 22.37 | 115.61% | 0.00 | 0.00 | - |

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## LTE FDD Band 13

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 10MHz | QPSK | 1 RB | 25 | RE Cheek | - | 23230 | 782 | 24 | 23.39 | 115.08% | 0.13 | 0.15 | 197 |
| | | | | | RE Tilt | - | 23230 | 782 | 24 | 23.39 | 115.08% | 0.05 | 0.06 | - |
| | | | | | LE Cheek | - | 23230 | 782 | 24 | 23.39 | 115.08% | 0.08 | 0.09 | - |
| | | | | | LE Tilt | - | 23230 | 782 | 24 | 23.39 | 115.08% | 0.04 | 0.05 | - |
| | | | 25 RB | 25 | RE Cheek | - | 23230 | 782 | 23 | 22.50 | 112.20% | 0.10 | 0.11 | - |
| | | | | | RE Tilt | - | 23230 | 782 | 23 | 22.50 | 112.20% | 0.03 | 0.03 | - |
| | | | | | LE Cheek | - | 23230 | 782 | 23 | 22.50 | 112.20% | 0.06 | 0.07 | - |
| | | | | | LE Tilt | - | 23230 | 782 | 23 | 22.50 | 112.20% | 0.03 | 0.03 | - |
| | | | 50 RB | | RE Cheek | - | 23230 | 782 | 23 | 22.32 | 116.95% | 0.08 | 0.09 | - |
| | | | | | RE Tilt | - | 23230 | 782 | 23 | 22.32 | 116.95% | 0.03 | 0.04 | - |
| | | | | | LE Cheek | - | 23230 | 782 | 23 | 22.32 | 116.95% | 0.06 | 0.07 | - |
| | | | | | LE Tilt | - | 23230 | 782 | 23 | 22.32 | 116.95% | 0.02 | 0.02 | - |
| Body-worn | 10MHz | QPSK | 1RB | 25 | Front side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.29 | 0.33 | - |
| | | | | | Back side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.36 | 0.41 | - |
| Hotspot | 10MHz | QPSK | 1 RB | 25 | Front side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.29 | 0.33 | - |
| | | | | | Back side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.36 | 0.41 | 198 |
| | | | | | Top side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.02 | 0.02 | - |
| | | | | | Bottom side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.22 | 0.25 | - |
| | | | | | Right side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.25 | 0.29 | - |
| | | | | | Left side | 10 | 23230 | 782 | 24 | 23.39 | 115.08% | 0.06 | 0.07 | - |
| | | | 25 RB | 25 | Front side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.21 | 0.24 | - |
| | | | | | Back side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.30 | 0.34 | - |
| | | | | | Top side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.17 | 0.19 | - |
| | | | | | Right side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.20 | 0.22 | - |
| | | | | | Left side | 10 | 23230 | 782 | 23 | 22.50 | 112.20% | 0.04 | 0.04 | - |
| | | | 50 RB | | Front side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.20 | 0.23 | - |
| | | | | | Back side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.29 | 0.34 | - |
| | | | | | Top side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.16 | 0.19 | - |
| | | | | | Right side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.17 | 0.20 | - |
| | | | | | Left side | 10 | 23230 | 782 | 23 | 22.32 | 116.95% | 0.03 | 0.04 | - |

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## LTE FDD Band 17

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 10MHz | QPSK | 1 RB | 49 | RE Cheek | - | 23800 | 711 | 24 | 23.08 | 123.59% | 0.03 | 0.04 | 199 |
| | | | | | RE Tilt | - | 23800 | 711 | 24 | 23.08 | 123.59% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 23800 | 711 | 24 | 23.08 | 123.59% | 0.03 | 0.04 | - |
| | | | | | LE Tilt | - | 23800 | 711 | 24 | 23.08 | 123.59% | 0.02 | 0.02 | - |
| | | | 25 RB | 25 | RE Cheek | - | 23780 | 709 | 23 | 22.20 | 120.23% | 0.02 | 0.02 | - |
| | | | | | RE Tilt | - | 23780 | 709 | 23 | 22.20 | 120.23% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 23780 | 709 | 23 | 22.20 | 120.23% | 0.02 | 0.02 | - |
| | | | | | LE Tilt | - | 23780 | 709 | 23 | 22.20 | 120.23% | 0.01 | 0.01 | - |
| | | | 50 RB | | RE Cheek | - | 23780 | 709 | 23 | 22.12 | 122.46% | 0.02 | 0.02 | - |
| | | | | | RE Tilt | - | 23780 | 709 | 23 | 22.12 | 122.46% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 23780 | 709 | 23 | 22.12 | 122.46% | 0.02 | 0.02 | - |
| | | | | | LE Tilt | - | 23780 | 709 | 23 | 22.12 | 122.46% | 0.01 | 0.01 | - |
| Body-worn | 10MHz | QPSK | 1RB | 49 | Front side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.06 | 0.07 | - |
| | | | | | Back side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.08 | 0.10 | - |
| Hotspot | 10MHz | QPSK | 1 RB | 49 | Front side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.06 | 0.07 | - |
| | | | | | Back side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.08 | 0.10 | 200 |
| | | | | | Top side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.03 | 0.04 | - |
| | | | | | Right side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.07 | 0.09 | - |
| | | | | | Left side | 10 | 23800 | 711 | 24 | 23.08 | 123.59% | 0.01 | 0.01 | - |
| | | | 25 RB | 25 | Front side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.04 | 0.05 | - |
| | | | | | Back side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.06 | 0.07 | - |
| | | | | | Top side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.01 | 0.01 | - |
| | | | | | Right side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.05 | 0.06 | - |
| | | | | | Left side | 10 | 23780 | 709 | 23 | 22.20 | 120.23% | 0.01 | 0.01 | - |
| | | | 50 RB | | Front side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.04 | 0.05 | - |
| | | | | | Back side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.06 | 0.07 | - |
| | | | | | Top side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.00 | 0.00 | - |
| | | | | | Bottom side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.01 | 0.01 | - |
| | | | | | Right side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.04 | 0.05 | - |
| | | | | | Left side | 10 | 23780 | 709 | 23 | 22.12 | 122.46% | 0.01 | 0.01 | - |

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## LTE TDD Band 38

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 20MHz | QPSK | 1 RB | 50 | RE Cheek | - | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.03 | 0.04 | - |
| | | | | | RE Tilt | - | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.02 | 0.03 | - |
| | | | | | LE Cheek | - | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.04 | 0.05 | 201 |
| | | | | | LE Tilt | - | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.02 | 0.03 | - |
| | | | 50 RB | 50 | RE Cheek | - | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.03 | 0.03 | - |
| | | | | | RE Tilt | - | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.03 | 0.03 | - |
| | | | | | LE Tilt | - | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.02 | 0.02 | - |
| | | | 100 RB | | RE Cheek | - | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.02 | 0.02 | - |
| | | | | | RE Tilt | - | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.03 | 0.04 | - |
| | | | | | LE Tilt | - | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.01 | 0.01 | - |
| Body-worn | 20MHz | QPSK | 1RB | 50 | Front side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.10 | 0.13 | - |
| | | | | | Back side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.11 | 0.14 | - |
| Hotspot | 20MHz | QPSK | 1 RB | 50 | Front side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.10 | 0.13 | - |
| | | | | | Back side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.11 | 0.14 | - |
| | | | | | Top side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.16 | 0.20 | 202 |
| | | | | | Right side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.02 | 0.03 | - |
| | | | | | Left side | 10 | 38150 | 2610 | 24 | 22.99 | 126.18% | 0.03 | 0.04 | - |
| | | | 50 RB | 50 | Front side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.07 | 0.08 | - |
| | | | | | Back side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.08 | 0.09 | - |
| | | | | | Top side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.12 | 0.14 | - |
| | | | | | Right side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.01 | 0.01 | - |
| | | | | | Left side | 10 | 38150 | 2610 | 23 | 22.46 | 113.24% | 0.02 | 0.02 | - |
| | | | 100 RB | | Front side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.06 | 0.07 | - |
| | | | | | Back side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.08 | 0.10 | - |
| | | | | | Top side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.12 | 0.14 | - |
| | | | | | Right side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.01 | 0.01 | - |
| | | | | | Left side | 10 | 38150 | 2610 | 23 | 22.22 | 119.67% | 0.02 | 0.02 | - |

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## LTE TDD Band 41

| Mode | Bandwidth (MHz) | Modulation | RB Size | RB start | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Measured | Reported | |
| Head | 20MHz | QPSK | 1 RB | 50 | RE Cheek | - | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.03 | 0.03 | - |
| | | | | | RE Tilt | - | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.02 | 0.02 | - |
| | | | | | LE Cheek | - | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.04 | 0.04 | 203 |
| | | | | | LE Tilt | - | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.03 | 0.03 | - |
| | | | 50 RB | 25 | RE Cheek | - | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.03 | 0.03 | - |
| | | | | | RE Tilt | - | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.03 | 0.03 | - |
| | | | | | LE Tilt | - | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.02 | 0.02 | - |
| | | | 100 RB | | RE Cheek | - | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.02 | 0.02 | - |
| | | | | | RE Tilt | - | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.01 | 0.01 | - |
| | | | | | LE Cheek | - | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.03 | 0.03 | - |
| | | | | | LE Tilt | - | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.02 | 0.02 | - |
| Body-worn | 20MHz | QPSK | 1RB | 50 | Front side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.10 | 0.10 | - |
| | | | | | Back side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.10 | 0.10 | - |
| Hotspot | 20MHz | QPSK | 1 RB | 50 | Front side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.10 | 0.10 | - |
| | | | | | Back side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.10 | 0.10 | - |
| | | | | | Top side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.16 | 0.16 | 204 |
| | | | | | Right side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.02 | 0.02 | - |
| | | | | | Left side | 10 | 41055 | 2636.5 | 24.5 | 24.49 | 100.23% | 0.03 | 0.03 | - |
| | | | 50 RB | 25 | Front side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.07 | 0.07 | - |
| | | | | | Back side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.08 | 0.08 | - |
| | | | | | Top side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.12 | 0.12 | - |
| | | | | | Right side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.01 | 0.01 | - |
| | | | | | Left side | 10 | 41055 | 2636.5 | 23.5 | 23.42 | 101.86% | 0.02 | 0.02 | - |
| | | | 100 RB | | Front side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.06 | 0.06 | - |
| | | | | | Back side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.08 | 0.08 | - |
| | | | | | Top side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.01 | 0.01 | - |
| | | | | | Bottom side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.11 | 0.11 | - |
| | | | | | Right side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.01 | 0.01 | - |
| | | | | | Left side | 10 | 40620 | 2593 | 23.5 | 23.39 | 102.57% | 0.02 | 0.02 | - |

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## WLAN 802.11b (Ant 0 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 6 | 2437 | 12 | 11.81 | 104.52% | 0.11 | 0.11 | - |
| | | RE Tilt | - | 6 | 2437 | 12 | 11.81 | 104.52% | 0.09 | 0.09 | - |
| | | LE Cheek | - | 6 | 2437 | 12 | 11.81 | 104.52% | 0.21 | 0.22 | 205 |
| | | LE Tilt | - | 6 | 2437 | 12 | 11.81 | 104.52% | 0.15 | 0.16 | - |
| | Body-worn | Front side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.04 | 0.04 | - |
| | | Back side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.05 | 0.05 | - |
| | Hotspot | Front side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.04 | 0.04 | - |
| | | Back side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.05 | 0.05 | 206 |
| | | Top side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.05 | 0.05 | - |
| | | Bottom side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.01 | 0.01 | - |
| | | Right side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.03 | 0.03 | - |
| | | Left side | 10 | 6 | 2437 | 12 | 11.81 | 104.52% | 0.01 | 0.01 | - |

## Bluetooth (GFSK)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.07 | 0.09 | - |
| | | RE Tilt | - | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.05 | 0.06 | - |
| | | LE Cheek | - | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.09 | 0.11 | 207 |
| | | LE Tilt | - | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.07 | 0.09 | - |
| | Body-worn | Front side | 10 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.02 | 0.03 | - |
| | | Back side | 10 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.02 | 0.03 | 208 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 0 | product specific 10-g SAR | Front side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.01 | 0.01 | - |
| | | Back side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.01 | 0.01 | 209 |
| | | Top side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.01 | 0.01 | - |
| | | Bottom side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.00 | 0.00 | - |
| | | Right side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.01 | 0.01 | - |
| | | Left side | 0 | 39 | 2441 | 12.5 | 11.45 | 127.35% | 0.01 | 0.01 | - |

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## WLAN 802.11ac(80M) 5.2G (Ant 0 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 42 | 5210 | 12 | 11.96 | 100.89% | 0.09 | 0.09 | - |
| | | RE Tilt | - | 42 | 5210 | 12 | 11.96 | 100.89% | 0.07 | 0.07 | - |
| | | LE Cheek | - | 42 | 5210 | 12 | 11.96 | 100.89% | 0.17 | 0.17 | 210 |
| | | LE Tilt | - | 42 | 5210 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | - |
| | Body-worn | Front side | 10 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.02 | 0.02 | - |
| | | Back side | 10 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.03 | 0.03 | 211 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 0 | product specific 10-g SAR | Front side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | 212 |
| | | Back side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.09 | 0.09 | - |
| | | Top side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.07 | 0.07 | - |
| | | Bottom side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.00 | 0.00 | - |
| | | Right side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.07 | 0.07 | - |
| | | Left side | 0 | 42 | 5210 | 12 | 11.96 | 100.89% | 0.03 | 0.03 | - |

## WLAN 802.11ac(80M) 5.3G (Ant 0 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 58 | 5290 | 12 | 11.94 | 101.36% | 0.09 | 0.09 | - |
| | | RE Tilt | - | 58 | 5290 | 12 | 11.94 | 101.36% | 0.07 | 0.07 | - |
| | | LE Cheek | - | 58 | 5290 | 12 | 11.94 | 101.36% | 0.15 | 0.15 | 213 |
| | | LE Tilt | - | 58 | 5290 | 12 | 11.94 | 101.36% | 0.10 | 0.10 | - |
| | Body-worn | Front side | 10 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.05 | 0.05 | - |
| | | Back side | 10 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.07 | 0.07 | 214 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 0 | product specific 10-g SAR | Front side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.17 | 0.17 | 215 |
| | | Back side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.10 | 0.10 | - |
| | | Top side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.09 | 0.09 | - |
| | | Bottom side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.00 | 0.00 | - |
| | | Right side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.09 | 0.09 | - |
| | | Left side | 0 | 58 | 5290 | 12 | 11.94 | 101.36% | 0.07 | 0.07 | - |

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## WLAN 802.11ac(80M) 5.6G (Ant 0 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 138 | 5690 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | - |
| | | RE Tilt | - | 138 | 5690 | 12 | 11.96 | 100.89% | 0.08 | 0.08 | - |
| | | LE Cheek | - | 138 | 5690 | 12 | 11.96 | 100.89% | 0.21 | 0.21 | 216 |
| | | LE Tilt | - | 138 | 5690 | 12 | 11.96 | 100.89% | 0.13 | 0.13 | - |
| | Body-worn | Front side | 10 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.07 | 0.07 | - |
| | | Back side | 10 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | 217 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 0 | product specific 10-g SAR | Front side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.23 | 0.23 | 218 |
| | | Back side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | - |
| | | Top side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.11 | 0.11 | - |
| | | Bottom side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.00 | 0.00 | - |
| | | Right side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.10 | 0.10 | - |
| | | Left side | 0 | 138 | 5690 | 12 | 11.96 | 100.89% | 0.10 | 0.10 | - |

## WLAN 802.11ac(80M) 5.8G (Ant 0 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 0 | Head | RE Cheek | - | 155 | 5775 | 12 | 11.98 | 100.43% | 0.11 | 0.11 | - |
| | | RE Tilt | - | 155 | 5775 | 12 | 11.98 | 100.43% | 0.08 | 0.08 | - |
| | | LE Cheek | - | 155 | 5775 | 12 | 11.98 | 100.43% | 0.19 | 0.19 | 219 |
| | | LE Tilt | - | 155 | 5775 | 12 | 11.98 | 100.43% | 0.14 | 0.14 | - |
| | Body-worn | Front side | 10 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.07 | 0.07 | - |
| | | Back side | 10 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.09 | 0.09 | 220 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 0 | product specific 10-g SAR | Front side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.21 | 0.21 | 221 |
| | | Back side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.10 | 0.10 | - |
| | | Top side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.10 | 0.10 | - |
| | | Bottom side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.00 | 0.00 | - |
| | | Right side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.08 | 0.08 | - |
| | | Left side | 0 | 155 | 5775 | 12 | 11.98 | 100.43% | 0.08 | 0.08 | - |

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## WLAN 802.11b (Ant 1 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 1 | Head | RE Cheek | - | 11 | 2462 | 12 | 11.97 | 100.74% | 0.07 | 0.07 | 222 |
| | | RE Tilt | - | 11 | 2462 | 12 | 11.97 | 100.74% | 0.04 | 0.04 | - |
| | | LE Cheek | - | 11 | 2462 | 12 | 11.97 | 100.74% | 0.02 | 0.02 | - |
| | | LE Tilt | - | 11 | 2462 | 12 | 11.97 | 100.74% | 0.02 | 0.02 | - |
| | Body-worn | Front side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.01 | 0.01 | - |
| | | Back side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.13 | 0.13 | - |
| | Hotspot | Front side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.01 | 0.01 | - |
| | | Back side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.13 | 0.13 | 223 |
| | | Top side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.01 | 0.01 | - |
| | | Bottom side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.01 | 0.01 | - |
| | | Right side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.01 | 0.01 | - |
| | | Left side | 10 | 11 | 2462 | 12 | 11.97 | 100.74% | 0.03 | 0.03 | - |

## WLAN 802.11ac(80M) 5.2G (Ant 1 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 1 | Head | RE Cheek | - | 42 | 5210 | 12 | 11.51 | 111.91% | 0.08 | 0.09 | 224 |
| | | RE Tilt | - | 42 | 5210 | 12 | 11.51 | 111.91% | 0.05 | 0.06 | - |
| | | LE Cheek | - | 42 | 5210 | 12 | 11.51 | 111.91% | 0.07 | 0.08 | - |
| | | LE Tilt | - | 42 | 5210 | 12 | 11.51 | 111.91% | 0.04 | 0.04 | - |
| | Body-worn | Front side | 10 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.06 | 0.07 | - |
| | | Back side | 10 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.10 | 0.11 | 225 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 1 | product specific 10-g SAR | Front side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.07 | 0.08 | - |
| | | Back side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.23 | 0.26 | 226 |
| | | Top side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.01 | 0.01 | - |
| | | Bottom side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.01 | 0.01 | - |
| | | Right side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.04 | 0.04 | - |
| | | Left side | 0 | 42 | 5210 | 12 | 11.51 | 111.91% | 0.06 | 0.07 | - |

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## WLAN 802.11ac(80M) 5.3G (Ant 1 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 1 | Head | RE Cheek | - | 58 | 5290 | 12 | 11.79 | 104.92% | 0.08 | 0.08 | 227 |
| | | RE Tilt | - | 58 | 5290 | 12 | 11.79 | 104.92% | 0.05 | 0.05 | - |
| | | LE Cheek | - | 58 | 5290 | 12 | 11.79 | 104.92% | 0.06 | 0.06 | - |
| | | LE Tilt | - | 58 | 5290 | 12 | 11.79 | 104.92% | 0.04 | 0.04 | - |
| | Body-worn | Front side | 10 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.06 | 0.06 | - |
| | | Back side | 10 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.09 | 0.09 | 228 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 1 | product specific 10-g SAR | Front side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.05 | 0.05 | - |
| | | Back side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.13 | 0.14 | 229 |
| | | Top side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.01 | 0.01 | - |
| | | Bottom side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.00 | 0.00 | - |
| | | Right side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.02 | 0.02 | - |
| | | Left side | 0 | 58 | 5290 | 12 | 11.79 | 104.92% | 0.04 | 0.04 | - |

## WLAN 802.11ac(80M) 5.6G (Ant 1 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 1 | Head | RE Cheek | - | 138 | 5690 | 12 | 11.88 | 102.77% | 0.09 | 0.09 | 230 |
| | | RE Tilt | - | 138 | 5690 | 12 | 11.88 | 102.77% | 0.05 | 0.05 | - |
| | | LE Cheek | - | 138 | 5690 | 12 | 11.88 | 102.77% | 0.07 | 0.07 | - |
| | | LE Tilt | - | 138 | 5690 | 12 | 11.88 | 102.77% | 0.05 | 0.05 | - |
| | Body-worn | Front side | 10 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.04 | 0.04 | - |
| | | Back side | 10 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.06 | 0.06 | 231 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 1 | product specific 10-g SAR | Front side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.04 | 0.04 | - |
| | | Back side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.13 | 0.13 | 232 |
| | | Top side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.01 | 0.01 | - |
| | | Bottom side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.00 | 0.00 | - |
| | | Right side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.02 | 0.02 | - |
| | | Left side | 0 | 138 | 5690 | 12 | 11.88 | 102.77% | 0.03 | 0.03 | - |

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## WLAN 802.11ac(80M) 5.8G (Ant 1 antenna)

| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 1g (W/kg) | | Plot page |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Measured | Reported | |
| Ant 1 | Head | RE Cheek | - | 155 | 5775 | 12 | 11.74 | 6.14% | 0.10 | 0.11 | 233 |
| | | RE Tilt | - | 155 | 5775 | 12 | 11.74 | 6.14% | 0.06 | 0.06 | - |
| | | LE Cheek | - | 155 | 5775 | 12 | 11.74 | 6.14% | 0.07 | 0.07 | - |
| | | LE Tilt | - | 155 | 5775 | 12 | 11.74 | 6.14% | 0.05 | 0.05 | - |
| | Body-worn | Front side | 10 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.04 | 0.04 | - |
| | | Back side | 10 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.06 | 0.06 | 234 |
| Antenna | Mode | Position | Distance (mm) | CH | Freq. (MHz) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Measured Avg. Power (dBm) | Scaling | Averaged SAR over 10g (W/kg) | | Plot page |
| | | | | | | | | | Measured | Reported | |
| Ant 1 | product specific 10-g SAR | Front side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.03 | 0.03 | - |
| | | Back side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.11 | 0.12 | 235 |
| | | Top side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.01 | 0.01 | - |
| | | Bottom side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.00 | 0.00 | - |
| | | Right side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.02 | 0.02 | - |
| | | Left side | 0 | 155 | 5775 | 12 | 11.74 | 6.14% | 0.03 | 0.03 | - |

Note:

Scaling = $\frac{\text{reported SAR}}{\text{measured SAR}} = \frac{\text{P2(mW)}}{\text{P1(mW)}} = 10^{\left(\frac{\text{P2}-\text{P1}}{10}\right)(\text{dBm})}$

Reported SAR = measured SAR * (scaling)

Where P2 is maximum specified power, P1 is measured conducted power

### 2.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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# 3. Simultaneous Transmission Analysis

## Simultaneous Transmission Scenarios:

| Simultaneous Transmit Configurations | Head | Body-Worn | Hotspot | Product specific 10-g SAR |
|---|---|---|---|---|
| GSM + 2.4GHz Wi-Fi Ant 0 + 2.4GHz WiFi Ant 1 | Yes | Yes | No | Yes |
| GPRS + 2.4GHz Wi-Fi Ant 0 + 2.4GHz WiFi Ant 1 | No | No | Yes | Yes |
| WCDMA + 2.4GHz Wi-Fi Ant 0 + 2.4GHz WiFi Ant 1 | Yes | Yes | Yes | Yes |
| LTE + 2.4GHz Wi-Fi Ant 0 + 2.4GHz WiFi Ant 1 | Yes | Yes | Yes | Yes |
| GSM + 2.4GHz Wi-Fi Ant 0 + 5GHz WiFi Ant 1 | Yes | Yes | No | Yes |
| GPRS + 2.4GHz Wi-Fi Ant 0 + 5GHz WiFi Ant 1 | No | No | No | Yes |
| WCDMA + 2.4GHz Wi-Fi Ant 0 + 5GHz WiFi Ant 1 | Yes | Yes | No | Yes |
| LTE + 2.4GHz Wi-Fi Ant 0 + 5GHz WiFi Ant 1 | Yes | Yes | No | Yes |
| GSM + 5GHz Wi-Fi Ant 0 + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GPRS + 5GHz Wi-Fi Ant 0 + 5GHz Wi-Fi Ant 1 | No | Yes | No | Yes |
| WCDMA + 5GHz Wi-Fi Ant 0 + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| LTE + 5GHz Wi-Fi Ant 0 + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GSM + 5GHz Wi-Fi Ant 0 + 2.4GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GPRS + 5GHz Wi-Fi Ant 0 + 2.4GHz Wi-Fi Ant 1 | No | Yes | No | Yes |
| WCDMA + 5GHz Wi-Fi Ant 0 + 2.4GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| LTE + 5GHz Wi-Fi Ant 0 + 2.4GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GSM + (2.4GHz + 5GHz) Wi-Fi Ant 0 + (2.4GHz + 5GHz) Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GPRS + (2.4GHz + 5GHz) Wi-Fi Ant 0 + (2.4GHz + 5GHz) Wi-Fi Ant 1 | No | Yes | No | Yes |
| WCDMA + (2.4GHz + 5GHz) Wi-Fi Ant 0 + (2.4GHz + 5GHz) Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| LTE + (2.4GHz + 5GHz) Wi-Fi Ant 0 + (2.4GHz + 5GHz) Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GSM + 5GHz Wi-Fi Ant 0 + BT + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GPRS + 5GHz Wi-Fi Ant 0 + BT + 5GHz Wi-Fi Ant 1 | No | Yes | No | Yes |
| WCDMA + 5GHz Wi-Fi Ant 0 + BT + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| LTE + 5GHz Wi-Fi Ant 0 + BT + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| GSM + BT + 5GHz WiFi Ant 1 | Yes | Yes | No | Yes |
| GPRS + BT + 5GHz WiFi Ant 1 | No | Yes | No | Yes |
| WCDMA + BT + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |
| LTE + BT + 5GHz Wi-Fi Ant 1 | Yes | Yes | No | Yes |

Note:
1. The device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.
2. Based on KDB447498D01 note 36, when SAR test exclusion is allowed by other published RF exposure KDB procedures, such as the 2.5 cm hotspot mode SAR test exclusion for an edge or surface, then estimated SAR is not required to determine simultaneous SAR test exclusion.
3: Based on KDB 648474 D04v01r03 note 6, simultaneous transmission SAR for 10-g extremity SAR requires consideration only when standalone 10-g SAR is required.

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## 3.1 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{\text{f(GHz)}}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

## 3.2 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by **(SAR1 + SAR2)^1.5/Ri**, rounded to two decimal digits, and must be **≤ 0.04** for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and Ri is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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## Simultaneous Transmission Combination

| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Aant 1 | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.07 | 0.27 |
| | | Right tilt | 0.04 | 0.09 | 0.04 | 0.17 |
| | | Left cheek | 0.07 | 0.22 | 0.02 | 0.31 |
| | | Left tilt | 0.04 | 0.16 | 0.02 | 0.22 |
| GPRS 850 (1Dn4UP) | Hotspot | Front side | 0.16 | 0.04 | 0.01 | 0.21 |
| | | Back side | 0.18 | 0.05 | 0.13 | 0.36 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.12 | 0.01 | 0.01 | 0.14 |
| | | Right side | 0.18 | 0.03 | 0.01 | 0.22 |
| | | Left side | 0.04 | 0.01 | 0.03 | 0.08 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.04 | 0.09 | 0.04 | 0.17 |
| | | Left cheek | 0.08 | 0.22 | 0.02 | 0.32 |
| | | Left tilt | 0.04 | 0.16 | 0.02 | 0.22 |
| GPRS 1900 (1Dn4UP) | Hotspot | Front side | 0.34 | 0.04 | 0.01 | 0.39 |
| | | Back side | 0.35 | 0.05 | 0.13 | 0.53 |
| | | Top side | 0.03 | 0.05 | 0.01 | 0.09 |
| | | Bottom side | 0.33 | 0.01 | 0.01 | 0.35 |
| | | Right side | 0.08 | 0.03 | 0.01 | 0.12 |
| | | Left side | 0.16 | 0.01 | 0.03 | 0.20 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.07 | 0.25 |
| | | Right tilt | 0.04 | 0.09 | 0.04 | 0.17 |
| | | Left cheek | 0.09 | 0.22 | 0.02 | 0.33 |
| | | Left tilt | 0.04 | 0.16 | 0.02 | 0.22 |
| | Hotspot | Front side | 0.34 | 0.04 | 0.01 | 0.39 |
| | | Back side | 0.42 | 0.05 | 0.13 | 0.60 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.33 | 0.01 | 0.01 | 0.35 |
| | | Right side | 0.06 | 0.03 | 0.01 | 0.10 |
| | | Left side | 0.21 | 0.01 | 0.03 | 0.25 |

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| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.09 | 0.04 | 0.18 |
| | | Left cheek | 0.10 | 0.22 | 0.02 | 0.34 |
| | | Left tilt | 0.06 | 0.16 | 0.02 | 0.24 |
| | Hotspot | Front side | 0.27 | 0.04 | 0.01 | 0.32 |
| | | Back side | 0.33 | 0.05 | 0.13 | 0.51 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.27 | 0.01 | 0.01 | 0.29 |
| | | Right side | 0.03 | 0.03 | 0.01 | 0.07 |
| | | Left side | 0.15 | 0.01 | 0.03 | 0.19 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.09 | 0.04 | 0.18 |
| | | Left cheek | 0.07 | 0.22 | 0.02 | 0.31 |
| | | Left tilt | 0.05 | 0.16 | 0.02 | 0.23 |
| | Hotspot | Front side | 0.23 | 0.04 | 0.01 | 0.28 |
| | | Back side | 0.24 | 0.05 | 0.13 | 0.42 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.20 | 0.01 | 0.01 | 0.22 |
| | | Right side | 0.24 | 0.03 | 0.01 | 0.28 |
| | | Left side | 0.06 | 0.01 | 0.03 | 0.10 |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.07 | 0.27 |
| | | Right tilt | 0.06 | 0.09 | 0.04 | 0.19 |
| | | Left cheek | 0.11 | 0.22 | 0.02 | 0.35 |
| | | Left tilt | 0.06 | 0.16 | 0.02 | 0.24 |
| | Hotspot | Front side | 0.34 | 0.04 | 0.01 | 0.39 |
| | | Back side | 0.39 | 0.05 | 0.13 | 0.57 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.33 | 0.01 | 0.01 | 0.35 |
| | | Right side | 0.05 | 0.03 | 0.01 | 0.09 |
| | | Left side | 0.19 | 0.01 | 0.03 | 0.23 |

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| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.09 | 0.04 | 0.18 |
| | | Left cheek | 0.09 | 0.22 | 0.02 | 0.33 |
| | | Left tilt | 0.06 | 0.16 | 0.02 | 0.24 |
| | Hotspot | Front side | 0.27 | 0.04 | 0.01 | 0.32 |
| | | Back side | 0.31 | 0.05 | 0.13 | 0.49 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.26 | 0.01 | 0.01 | 0.28 |
| | | Right side | 0.03 | 0.03 | 0.01 | 0.07 |
| | | Left side | 0.15 | 0.01 | 0.03 | 0.19 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.07 | 0.24 |
| | | Right tilt | 0.04 | 0.09 | 0.04 | 0.17 |
| | | Left cheek | 0.06 | 0.22 | 0.02 | 0.30 |
| | | Left tilt | 0.04 | 0.16 | 0.02 | 0.22 |
| | Hotspot | Front side | 0.22 | 0.04 | 0.01 | 0.27 |
| | | Back side | 0.24 | 0.05 | 0.13 | 0.42 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.16 | 0.01 | 0.01 | 0.18 |
| | | Right side | 0.19 | 0.03 | 0.01 | 0.23 |
| | | Left side | 0.04 | 0.01 | 0.03 | 0.08 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.07 | 0.23 |
| | | Right tilt | 0.04 | 0.09 | 0.04 | 0.17 |
| | | Left cheek | 0.07 | 0.22 | 0.02 | 0.31 |
| | | Left tilt | 0.04 | 0.16 | 0.02 | 0.22 |
| | Hotspot | Front side | 0.31 | 0.04 | 0.01 | 0.36 |
| | | Back side | 0.41 | 0.05 | 0.13 | 0.59 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.79 | 0.01 | 0.01 | 0.81 |
| | | Right side | 0.04 | 0.03 | 0.01 | 0.08 |
| | | Left side | 0.07 | 0.01 | 0.03 | 0.11 |

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| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.02 | 0.09 | 0.04 | 0.15 |
| | | Left cheek | 0.02 | 0.22 | 0.02 | 0.26 |
| | | Left tilt | 0.01 | 0.16 | 0.02 | 0.19 |
| | Hotspot | Front side | 0.07 | 0.04 | 0.01 | 0.12 |
| | | Back side | 0.09 | 0.05 | 0.13 | 0.27 |
| | | Top side | 0.00 | 0.05 | 0.01 | 0.06 |
| | | Bottom side | 0.02 | 0.01 | 0.01 | 0.04 |
| | | Right side | 0.07 | 0.03 | 0.01 | 0.11 |
| | | Left side | 0.01 | 0.01 | 0.03 | 0.05 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.07 | 0.33 |
| | | Right tilt | 0.06 | 0.09 | 0.04 | 0.19 |
| | | Left cheek | 0.09 | 0.22 | 0.02 | 0.33 |
| | | Left tilt | 0.05 | 0.16 | 0.02 | 0.23 |
| | Hotspot | Front side | 0.33 | 0.04 | 0.01 | 0.38 |
| | | Back side | 0.41 | 0.05 | 0.13 | 0.59 |
| | | Top side | 0.02 | 0.05 | 0.01 | 0.08 |
| | | Bottom side | 0.25 | 0.01 | 0.01 | 0.27 |
| | | Right side | 0.29 | 0.03 | 0.01 | 0.33 |
| | | Left side | 0.07 | 0.01 | 0.03 | 0.11 |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.01 | 0.09 | 0.04 | 0.14 |
| | | Left cheek | 0.04 | 0.22 | 0.02 | 0.28 |
| | | Left tilt | 0.02 | 0.16 | 0.02 | 0.20 |
| | Hotspot | Front side | 0.07 | 0.04 | 0.01 | 0.12 |
| | | Back side | 0.10 | 0.05 | 0.13 | 0.28 |
| | | Top side | 0.00 | 0.05 | 0.01 | 0.06 |
| | | Bottom side | 0.04 | 0.01 | 0.01 | 0.06 |
| | | Right side | 0.09 | 0.03 | 0.01 | 0.13 |
| | | Left side | 0.01 | 0.01 | 0.03 | 0.05 |

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| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.03 | 0.09 | 0.04 | 0.16 |
| | | Left cheek | 0.05 | 0.22 | 0.02 | 0.29 |
| | | Left tilt | 0.03 | 0.16 | 0.02 | 0.21 |
| | Hotspot | Front side | 0.13 | 0.04 | 0.01 | 0.18 |
| | | Back side | 0.14 | 0.05 | 0.13 | 0.32 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.20 | 0.01 | 0.01 | 0.22 |
| | | Right side | 0.03 | 0.03 | 0.01 | 0.07 |
| | | Left side | 0.04 | 0.01 | 0.03 | 0.08 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.07 | 0.21 |
| | | Right tilt | 0.02 | 0.09 | 0.04 | 0.15 |
| | | Left cheek | 0.04 | 0.22 | 0.02 | 0.28 |
| | | Left tilt | 0.03 | 0.16 | 0.02 | 0.21 |
| | Hotspot | Front side | 0.10 | 0.04 | 0.01 | 0.15 |
| | | Back side | 0.10 | 0.05 | 0.13 | 0.28 |
| | | Top side | 0.01 | 0.05 | 0.01 | 0.07 |
| | | Bottom side | 0.16 | 0.01 | 0.01 | 0.18 |
| | | Right side | 0.02 | 0.03 | 0.01 | 0.06 |
| | | Left side | 0.03 | 0.01 | 0.03 | 0.07 |

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| reported SAR WWAN and WLAN 2.4GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| GSM 850 | body-worn | Front side | 0.14 | 0.04 | 0.01 | 0.19 |
| | | Back side | 0.16 | 0.05 | 0.13 | 0.34 |
| GSM 1900 | body-worn | Front side | 0.26 | 0.04 | 0.01 | 0.31 |
| | | Back side | 0.29 | 0.05 | 0.13 | 0.47 |
| WCDMA Band II | body-worn | Front side | 0.34 | 0.04 | 0.01 | 0.39 |
| | | Back side | 0.42 | 0.05 | 0.13 | 0.60 |
| WCDMA Band IV | body-worn | Front side | 0.27 | 0.04 | 0.01 | 0.32 |
| | | Back side | 0.33 | 0.05 | 0.13 | 0.51 |
| WCDMA Band V | body-worn | Front side | 0.23 | 0.04 | 0.01 | 0.28 |
| | | Back side | 0.24 | 0.05 | 0.13 | 0.42 |
| LTE FDD Band 2 | body-worn | Front side | 0.34 | 0.04 | 0.01 | 0.39 |
| | | Back side | 0.39 | 0.05 | 0.13 | 0.57 |
| LTE FDD Band 4 | body-worn | Front side | 0.27 | 0.04 | 0.01 | 0.32 |
| | | Back side | 0.31 | 0.05 | 0.13 | 0.49 |
| LTE FDD Band 5 | body-worn | Front side | 0.22 | 0.04 | 0.01 | 0.27 |
| | | Back side | 0.24 | 0.05 | 0.13 | 0.42 |
| LTE FDD Band 7 | body-worn | Front side | 0.31 | 0.04 | 0.01 | 0.36 |
| | | Back side | 0.41 | 0.05 | 0.13 | 0.59 |
| LTE FDD Band 12 | body-worn | Front side | 0.07 | 0.04 | 0.01 | 0.12 |
| | | Back side | 0.09 | 0.05 | 0.13 | 0.27 |
| LTE FDD Band 13 | body-worn | Front side | 0.33 | 0.04 | 0.01 | 0.38 |
| | | Back side | 0.41 | 0.05 | 0.13 | 0.59 |
| LTE FDD Band 17 | body-worn | Front side | 0.07 | 0.04 | 0.01 | 0.12 |
| | | Back side | 0.10 | 0.05 | 0.13 | 0.28 |
| LTE TDD Band 38 | body-worn | Front side | 0.13 | 0.04 | 0.01 | 0.18 |
| | | Back side | 0.14 | 0.05 | 0.13 | 0.32 |
| LTE TDD Band 41 | body-worn | Front side | 0.10 | 0.04 | 0.01 | 0.15 |
| | | Back side | 0.10 | 0.05 | 0.13 | 0.28 |

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| reported SAR WWAN and WLAN 2.4GHz Ant 0 and WLAN 5GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.31 |
| | | Right tilt | 0.04 | 0.09 | 0.06 | 0.19 |
| | | Left cheek | 0.07 | 0.22 | 0.08 | 0.37 |
| | | Left tilt | 0.04 | 0.16 | 0.05 | 0.25 |
| | body-worn | Front side | 0.14 | 0.04 | 0.07 | 0.25 |
| | | Back side | 0.16 | 0.05 | 0.11 | 0.32 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.04 | 0.09 | 0.06 | 0.19 |
| | | Left cheek | 0.08 | 0.22 | 0.08 | 0.38 |
| | | Left tilt | 0.04 | 0.16 | 0.05 | 0.25 |
| | body-worn | Front side | 0.26 | 0.04 | 0.07 | 0.37 |
| | | Back side | 0.29 | 0.05 | 0.11 | 0.45 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.11 | 0.29 |
| | | Right tilt | 0.04 | 0.09 | 0.06 | 0.19 |
| | | Left cheek | 0.09 | 0.22 | 0.08 | 0.39 |
| | | Left tilt | 0.04 | 0.16 | 0.05 | 0.25 |
| | body-worn | Front side | 0.34 | 0.04 | 0.07 | 0.45 |
| | | Back side | 0.42 | 0.05 | 0.11 | 0.58 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.09 | 0.06 | 0.20 |
| | | Left cheek | 0.10 | 0.22 | 0.08 | 0.40 |
| | | Left tilt | 0.06 | 0.16 | 0.05 | 0.27 |
| | body-worn | Front side | 0.27 | 0.04 | 0.07 | 0.38 |
| | | Back side | 0.33 | 0.05 | 0.11 | 0.49 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.09 | 0.06 | 0.20 |
| | | Left cheek | 0.07 | 0.22 | 0.08 | 0.37 |
| | | Left tilt | 0.05 | 0.16 | 0.05 | 0.26 |
| | body-worn | Front side | 0.23 | 0.04 | 0.07 | 0.34 |
| | | Back side | 0.24 | 0.05 | 0.11 | 0.40 |

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| reported SAR WWAN and WLAN 2.4GHz Ant 0 and WLAN 5GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.31 |
| | | Right tilt | 0.06 | 0.09 | 0.06 | 0.21 |
| | | Left cheek | 0.11 | 0.22 | 0.08 | 0.41 |
| | | Left tilt | 0.06 | 0.16 | 0.05 | 0.27 |
| | body-worn | Front side | 0.34 | 0.04 | 0.07 | 0.45 |
| | | Back side | 0.39 | 0.05 | 0.11 | 0.55 |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.09 | 0.06 | 0.20 |
| | | Left cheek | 0.09 | 0.22 | 0.08 | 0.39 |
| | | Left tilt | 0.06 | 0.16 | 0.05 | 0.27 |
| | body-worn | Front side | 0.27 | 0.04 | 0.07 | 0.38 |
| | | Back side | 0.31 | 0.05 | 0.11 | 0.47 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.11 | 0.28 |
| | | Right tilt | 0.04 | 0.09 | 0.06 | 0.19 |
| | | Left cheek | 0.06 | 0.22 | 0.08 | 0.36 |
| | | Left tilt | 0.04 | 0.16 | 0.05 | 0.25 |
| | body-worn | Front side | 0.22 | 0.04 | 0.07 | 0.33 |
| | | Back side | 0.24 | 0.05 | 0.11 | 0.40 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.11 | 0.27 |
| | | Right tilt | 0.04 | 0.09 | 0.06 | 0.19 |
| | | Left cheek | 0.07 | 0.22 | 0.08 | 0.37 |
| | | Left tilt | 0.04 | 0.16 | 0.05 | 0.25 |
| | body-worn | Front side | 0.31 | 0.04 | 0.07 | 0.42 |
| | | Back side | 0.41 | 0.05 | 0.11 | 0.57 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.02 | 0.09 | 0.06 | 0.17 |
| | | Left cheek | 0.02 | 0.22 | 0.08 | 0.32 |
| | | Left tilt | 0.01 | 0.16 | 0.05 | 0.22 |
| | body-worn | Front side | 0.07 | 0.04 | 0.07 | 0.18 |
| | | Back side | 0.09 | 0.05 | 0.11 | 0.25 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.11 | 0.37 |
| | | Right tilt | 0.06 | 0.09 | 0.06 | 0.21 |
| | | Left cheek | 0.09 | 0.22 | 0.08 | 0.39 |
| | | Left tilt | 0.05 | 0.16 | 0.05 | 0.26 |
| | body-worn | Front side | 0.33 | 0.04 | 0.07 | 0.44 |
| | | Back side | 0.41 | 0.05 | 0.11 | 0.57 |

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| reported SAR WWAN and WLAN 2.4GHz Ant 0 and WLAN 5GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.01 | 0.09 | 0.06 | 0.16 |
| | | Left cheek | 0.04 | 0.22 | 0.08 | 0.34 |
| | | Left tilt | 0.02 | 0.16 | 0.05 | 0.23 |
| | body-worn | Front side | 0.07 | 0.04 | 0.07 | 0.18 |
| | | Back side | 0.10 | 0.05 | 0.11 | 0.26 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.03 | 0.09 | 0.06 | 0.18 |
| | | Left cheek | 0.05 | 0.22 | 0.08 | 0.35 |
| | | Left tilt | 0.03 | 0.16 | 0.05 | 0.24 |
| | body-worn | Front side | 0.13 | 0.04 | 0.07 | 0.24 |
| | | Back side | 0.14 | 0.05 | 0.11 | 0.30 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.11 | 0.25 |
| | | Right tilt | 0.02 | 0.09 | 0.06 | 0.17 |
| | | Left cheek | 0.04 | 0.22 | 0.08 | 0.34 |
| | | Left tilt | 0.03 | 0.16 | 0.05 | 0.24 |
| | body-worn | Front side | 0.10 | 0.04 | 0.07 | 0.21 |
| | | Back side | 0.10 | 0.05 | 0.11 | 0.26 |

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| reported SAR WWAN and WLAN 5GHz Ant 0 and WLAN 2.4GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.07 | 0.27 |
| | | Right tilt | 0.04 | 0.08 | 0.04 | 0.16 |
| | | Left cheek | 0.07 | 0.21 | 0.02 | 0.30 |
| | | Left tilt | 0.04 | 0.14 | 0.02 | 0.20 |
| | body-worn | Front side | 0.14 | 0.07 | 0.01 | 0.22 |
| | | Back side | 0.16 | 0.11 | 0.13 | 0.40 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.04 | 0.08 | 0.04 | 0.16 |
| | | Left cheek | 0.08 | 0.21 | 0.02 | 0.31 |
| | | Left tilt | 0.04 | 0.14 | 0.02 | 0.20 |
| | body-worn | Front side | 0.26 | 0.07 | 0.01 | 0.34 |
| | | Back side | 0.29 | 0.11 | 0.13 | 0.53 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.07 | 0.25 |
| | | Right tilt | 0.04 | 0.08 | 0.04 | 0.16 |
| | | Left cheek | 0.09 | 0.21 | 0.02 | 0.32 |
| | | Left tilt | 0.04 | 0.14 | 0.02 | 0.20 |
| | body-worn | Front side | 0.34 | 0.07 | 0.01 | 0.42 |
| | | Back side | 0.42 | 0.11 | 0.13 | 0.66 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.08 | 0.04 | 0.17 |
| | | Left cheek | 0.10 | 0.21 | 0.02 | 0.33 |
| | | Left tilt | 0.06 | 0.14 | 0.02 | 0.22 |
| | body-worn | Front side | 0.27 | 0.07 | 0.01 | 0.35 |
| | | Back side | 0.33 | 0.11 | 0.13 | 0.57 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.08 | 0.04 | 0.17 |
| | | Left cheek | 0.07 | 0.21 | 0.02 | 0.30 |
| | | Left tilt | 0.05 | 0.14 | 0.02 | 0.21 |
| | body-worn | Front side | 0.23 | 0.07 | 0.01 | 0.31 |
| | | Back side | 0.24 | 0.11 | 0.13 | 0.48 |

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| reported SAR WWAN and WLAN 5GHz Ant 0 and WLAN 2.4GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.07 | 0.27 |
| | | Right tilt | 0.06 | 0.08 | 0.04 | 0.18 |
| | | Left cheek | 0.11 | 0.21 | 0.02 | 0.34 |
| | | Left tilt | 0.06 | 0.14 | 0.02 | 0.22 |
| | body-worn | Front side | 0.34 | 0.07 | 0.01 | 0.42 |
| | | Back side | 0.39 | 0.11 | 0.13 | 0.63 |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.07 | 0.26 |
| | | Right tilt | 0.05 | 0.08 | 0.04 | 0.17 |
| | | Left cheek | 0.09 | 0.21 | 0.02 | 0.32 |
| | | Left tilt | 0.06 | 0.14 | 0.02 | 0.22 |
| | body-worn | Front side | 0.27 | 0.07 | 0.01 | 0.35 |
| | | Back side | 0.31 | 0.11 | 0.13 | 0.55 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.07 | 0.24 |
| | | Right tilt | 0.04 | 0.08 | 0.04 | 0.16 |
| | | Left cheek | 0.06 | 0.21 | 0.02 | 0.29 |
| | | Left tilt | 0.04 | 0.14 | 0.02 | 0.20 |
| | body-worn | Front side | 0.22 | 0.07 | 0.01 | 0.30 |
| | | Back side | 0.24 | 0.11 | 0.13 | 0.48 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.07 | 0.23 |
| | | Right tilt | 0.04 | 0.08 | 0.04 | 0.16 |
| | | Left cheek | 0.07 | 0.21 | 0.02 | 0.30 |
| | | Left tilt | 0.04 | 0.14 | 0.02 | 0.20 |
| | body-worn | Front side | 0.31 | 0.07 | 0.01 | 0.39 |
| | | Back side | 0.41 | 0.11 | 0.13 | 0.65 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.02 | 0.08 | 0.04 | 0.14 |
| | | Left cheek | 0.02 | 0.21 | 0.02 | 0.25 |
| | | Left tilt | 0.01 | 0.14 | 0.02 | 0.17 |
| | body-worn | Front side | 0.07 | 0.07 | 0.01 | 0.15 |
| | | Back side | 0.09 | 0.11 | 0.13 | 0.33 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.07 | 0.33 |
| | | Right tilt | 0.06 | 0.08 | 0.04 | 0.18 |
| | | Left cheek | 0.09 | 0.21 | 0.02 | 0.32 |
| | | Left tilt | 0.05 | 0.14 | 0.02 | 0.21 |
| | body-worn | Front side | 0.33 | 0.07 | 0.01 | 0.41 |
| | | Back side | 0.41 | 0.11 | 0.13 | 0.65 |

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| reported SAR WWAN and WLAN 5GHz Ant 0 and WLAN 2.4GHz Ant 1, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.01 | 0.08 | 0.04 | 0.13 |
| | | Left cheek | 0.04 | 0.21 | 0.02 | 0.27 |
| | | Left tilt | 0.02 | 0.14 | 0.02 | 0.18 |
| | body-worn | Front side | 0.07 | 0.07 | 0.01 | 0.15 |
| | | Back side | 0.10 | 0.11 | 0.13 | 0.34 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.07 | 0.22 |
| | | Right tilt | 0.03 | 0.08 | 0.04 | 0.15 |
| | | Left cheek | 0.05 | 0.21 | 0.02 | 0.28 |
| | | Left tilt | 0.03 | 0.14 | 0.02 | 0.19 |
| | body-worn | Front side | 0.13 | 0.07 | 0.01 | 0.21 |
| | | Back side | 0.14 | 0.11 | 0.13 | 0.38 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.07 | 0.21 |
| | | Right tilt | 0.02 | 0.08 | 0.04 | 0.14 |
| | | Left cheek | 0.04 | 0.21 | 0.02 | 0.27 |
| | | Left tilt | 0.03 | 0.14 | 0.02 | 0.19 |
| | body-worn | Front side | 0.10 | 0.07 | 0.01 | 0.18 |
| | | Back side | 0.10 | 0.11 | 0.13 | 0.34 |

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| reported SAR WWAN and WLAN 2.4GHz+ 5GHz Ant 0 and WLAN 2.4GHz+5GHz Ant 1, ΣSAR evaluation | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | | | ΣSAR |
| | | | WWAN | 2.4G Ant 0 | 5G Ant 0 | 2.4G Ant 1 | 5G Ant 1 | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.07 | 0.11 | 0.49 |
| | | Right tilt | 0.04 | 0.09 | 0.08 | 0.04 | 0.06 | 0.31 |
| | | Left cheek | 0.07 | 0.22 | 0.21 | 0.02 | 0.08 | 0.60 |
| | | Left tilt | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.41 |
| | body-worn | Front side | 0.14 | 0.04 | 0.07 | 0.01 | 0.07 | 0.33 |
| | | Back side | 0.16 | 0.05 | 0.11 | 0.13 | 0.11 | 0.56 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.07 | 0.11 | 0.48 |
| | | Right tilt | 0.04 | 0.09 | 0.08 | 0.04 | 0.06 | 0.31 |
| | | Left cheek | 0.08 | 0.22 | 0.21 | 0.02 | 0.08 | 0.61 |
| | | Left tilt | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.41 |
| | body-worn | Front side | 0.26 | 0.04 | 0.07 | 0.01 | 0.07 | 0.45 |
| | | Back side | 0.29 | 0.05 | 0.11 | 0.13 | 0.11 | 0.69 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.11 | 0.07 | 0.11 | 0.47 |
| | | Right tilt | 0.04 | 0.09 | 0.08 | 0.04 | 0.06 | 0.31 |
| | | Left cheek | 0.09 | 0.22 | 0.21 | 0.02 | 0.08 | 0.62 |
| | | Left tilt | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.41 |
| | body-worn | Front side | 0.34 | 0.04 | 0.07 | 0.01 | 0.07 | 0.53 |
| | | Back side | 0.42 | 0.05 | 0.11 | 0.13 | 0.11 | 0.82 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.07 | 0.11 | 0.48 |
| | | Right tilt | 0.05 | 0.09 | 0.08 | 0.04 | 0.06 | 0.32 |
| | | Left cheek | 0.10 | 0.22 | 0.21 | 0.02 | 0.08 | 0.63 |
| | | Left tilt | 0.06 | 0.16 | 0.14 | 0.02 | 0.05 | 0.43 |
| | body-worn | Front side | 0.27 | 0.04 | 0.07 | 0.01 | 0.07 | 0.46 |
| | | Back side | 0.33 | 0.05 | 0.11 | 0.13 | 0.11 | 0.73 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.07 | 0.11 | 0.48 |
| | | Right tilt | 0.05 | 0.09 | 0.08 | 0.04 | 0.06 | 0.32 |
| | | Left cheek | 0.07 | 0.22 | 0.21 | 0.02 | 0.08 | 0.60 |
| | | Left tilt | 0.05 | 0.16 | 0.14 | 0.02 | 0.05 | 0.42 |
| | body-worn | Front side | 0.23 | 0.04 | 0.07 | 0.01 | 0.07 | 0.42 |
| | | Back side | 0.24 | 0.05 | 0.11 | 0.13 | 0.11 | 0.64 |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.07 | 0.11 | 0.49 |
| | | Right tilt | 0.06 | 0.09 | 0.08 | 0.04 | 0.06 | 0.33 |
| | | Left cheek | 0.11 | 0.22 | 0.21 | 0.02 | 0.08 | 0.64 |
| | | Left tilt | 0.06 | 0.16 | 0.14 | 0.02 | 0.05 | 0.43 |
| | body-worn | Front side | 0.34 | 0.04 | 0.07 | 0.01 | 0.07 | 0.53 |
| | | Back side | 0.39 | 0.05 | 0.11 | 0.13 | 0.11 | 0.79 |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.07 | 0.11 | 0.48 |
| | | Right tilt | 0.05 | 0.09 | 0.08 | 0.04 | 0.06 | 0.32 |
| | | Left cheek | 0.09 | 0.22 | 0.21 | 0.02 | 0.08 | 0.62 |
| | | Left tilt | 0.06 | 0.16 | 0.14 | 0.02 | 0.05 | 0.43 |
| | body-worn | Front side | 0.27 | 0.04 | 0.07 | 0.01 | 0.07 | 0.46 |
| | | Back side | 0.31 | 0.05 | 0.11 | 0.13 | 0.11 | 0.71 |

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| reported SAR WWAN and WLAN 2.4GHz+ 5GHz Ant 0 and WLAN 2.4GHz+5GHz Ant 1, ΣSAR evaluation | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | | | ΣSAR |
| | | | WWAN | 2.4G Ant 0 | 5G Ant 0 | 2.4G Ant 1 | 5G Ant 1 | <1.6W/kg |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.11 | 0.07 | 0.11 | 0.46 |
| | | Right tilt | 0.04 | 0.09 | 0.08 | 0.04 | 0.06 | 0.31 |
| | | Left cheek | 0.06 | 0.22 | 0.21 | 0.02 | 0.08 | 0.59 |
| | | Left tilt | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.41 |
| | body-worn | Front side | 0.22 | 0.04 | 0.07 | 0.01 | 0.07 | 0.41 |
| | | Back side | 0.24 | 0.05 | 0.11 | 0.13 | 0.11 | 0.64 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.11 | 0.07 | 0.11 | 0.45 |
| | | Right tilt | 0.04 | 0.09 | 0.08 | 0.04 | 0.06 | 0.31 |
| | | Left cheek | 0.07 | 0.22 | 0.21 | 0.02 | 0.08 | 0.60 |
| | | Left tilt | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.41 |
| | body-worn | Front side | 0.31 | 0.04 | 0.07 | 0.01 | 0.07 | 0.50 |
| | | Back side | 0.41 | 0.05 | 0.11 | 0.13 | 0.11 | 0.81 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.07 | 0.11 | 0.44 |
| | | Right tilt | 0.02 | 0.09 | 0.08 | 0.04 | 0.06 | 0.29 |
| | | Left cheek | 0.02 | 0.22 | 0.21 | 0.02 | 0.08 | 0.55 |
| | | Left tilt | 0.01 | 0.16 | 0.14 | 0.02 | 0.05 | 0.38 |
| | body-worn | Front side | 0.07 | 0.04 | 0.07 | 0.01 | 0.07 | 0.26 |
| | | Back side | 0.09 | 0.05 | 0.11 | 0.13 | 0.11 | 0.49 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.11 | 0.07 | 0.11 | 0.55 |
| | | Right tilt | 0.06 | 0.09 | 0.08 | 0.04 | 0.06 | 0.33 |
| | | Left cheek | 0.09 | 0.22 | 0.21 | 0.02 | 0.08 | 0.62 |
| | | Left tilt | 0.05 | 0.16 | 0.14 | 0.02 | 0.05 | 0.42 |
| | body-worn | Front side | 0.33 | 0.04 | 0.07 | 0.01 | 0.07 | 0.52 |
| | | Back side | 0.41 | 0.05 | 0.11 | 0.13 | 0.11 | 0.81 |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.07 | 0.11 | 0.44 |
| | | Right tilt | 0.01 | 0.09 | 0.08 | 0.04 | 0.06 | 0.28 |
| | | Left cheek | 0.04 | 0.22 | 0.21 | 0.02 | 0.08 | 0.57 |
| | | Left tilt | 0.02 | 0.16 | 0.14 | 0.02 | 0.05 | 0.39 |
| | body-worn | Front side | 0.07 | 0.04 | 0.07 | 0.01 | 0.07 | 0.26 |
| | | Back side | 0.10 | 0.05 | 0.11 | 0.13 | 0.11 | 0.50 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.07 | 0.11 | 0.44 |
| | | Right tilt | 0.03 | 0.09 | 0.08 | 0.04 | 0.06 | 0.30 |
| | | Left cheek | 0.05 | 0.22 | 0.21 | 0.02 | 0.08 | 0.58 |
| | | Left tilt | 0.03 | 0.16 | 0.14 | 0.02 | 0.05 | 0.40 |
| | body-worn | Front side | 0.13 | 0.04 | 0.07 | 0.01 | 0.07 | 0.32 |
| | | Back side | 0.14 | 0.05 | 0.11 | 0.13 | 0.11 | 0.54 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.11 | 0.07 | 0.11 | 0.43 |
| | | Right tilt | 0.02 | 0.09 | 0.08 | 0.04 | 0.06 | 0.29 |
| | | Left cheek | 0.04 | 0.22 | 0.21 | 0.02 | 0.08 | 0.57 |
| | | Left tilt | 0.03 | 0.16 | 0.14 | 0.02 | 0.05 | 0.40 |
| | body-worn | Front side | 0.10 | 0.04 | 0.07 | 0.01 | 0.07 | 0.29 |
| | | Back side | 0.10 | 0.05 | 0.11 | 0.13 | 0.11 | 0.50 |

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| reported SAR WWAN and WLAN 5GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.31 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.18 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.36 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.23 |
| | body-worn | Front side | 0.14 | 0.07 | 0.07 | 0.28 |
| | | Back side | 0.16 | 0.11 | 0.11 | 0.38 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.18 |
| | | Left cheek | 0.08 | 0.21 | 0.08 | 0.37 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.23 |
| | body-worn | Front side | 0.26 | 0.07 | 0.07 | 0.40 |
| | | Back side | 0.29 | 0.11 | 0.11 | 0.51 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.11 | 0.29 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.18 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.38 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.23 |
| | body-worn | Front side | 0.34 | 0.07 | 0.07 | 0.48 |
| | | Back side | 0.42 | 0.11 | 0.11 | 0.64 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.19 |
| | | Left cheek | 0.10 | 0.21 | 0.08 | 0.39 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.25 |
| | body-worn | Front side | 0.27 | 0.07 | 0.07 | 0.41 |
| | | Back side | 0.33 | 0.11 | 0.11 | 0.55 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.19 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.36 |
| | | Left tilt | 0.05 | 0.14 | 0.05 | 0.24 |
| | body-worn | Front side | 0.23 | 0.07 | 0.07 | 0.37 |
| | | Back side | 0.24 | 0.11 | 0.11 | 0.46 |

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| reported SAR WWAN and WLAN 5GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.31 |
| | | Right tilt | 0.06 | 0.08 | 0.06 | 0.20 |
| | | Left cheek | 0.11 | 0.21 | 0.08 | 0.40 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.25 |
| | body-worn | Front side | 0.34 | 0.07 | 0.07 | 0.48 |
| | | Back side | 0.39 | 0.11 | 0.11 | 0.61 |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.30 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.19 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.38 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.25 |
| | body-worn | Front side | 0.27 | 0.07 | 0.07 | 0.41 |
| | | Back side | 0.31 | 0.11 | 0.11 | 0.53 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.11 | 0.28 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.18 |
| | | Left cheek | 0.06 | 0.21 | 0.08 | 0.35 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.23 |
| | body-worn | Front side | 0.22 | 0.07 | 0.07 | 0.36 |
| | | Back side | 0.24 | 0.11 | 0.11 | 0.46 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.11 | 0.27 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.18 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.36 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.23 |
| | body-worn | Front side | 0.31 | 0.07 | 0.07 | 0.45 |
| | | Back side | 0.41 | 0.11 | 0.11 | 0.63 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.02 | 0.08 | 0.06 | 0.16 |
| | | Left cheek | 0.02 | 0.21 | 0.08 | 0.31 |
| | | Left tilt | 0.01 | 0.14 | 0.05 | 0.20 |
| | body-worn | Front side | 0.07 | 0.07 | 0.07 | 0.21 |
| | | Back side | 0.09 | 0.11 | 0.11 | 0.31 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.11 | 0.37 |
| | | Right tilt | 0.06 | 0.08 | 0.06 | 0.20 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.38 |
| | | Left tilt | 0.05 | 0.14 | 0.05 | 0.24 |
| | body-worn | Front side | 0.33 | 0.07 | 0.07 | 0.47 |
| | | Back side | 0.41 | 0.11 | 0.11 | 0.63 |

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| reported SAR WWAN and WLAN 5GHz MIMO, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | <1.6W/kg |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.01 | 0.08 | 0.06 | 0.15 |
| | | Left cheek | 0.04 | 0.21 | 0.08 | 0.33 |
| | | Left tilt | 0.02 | 0.14 | 0.05 | 0.21 |
| | body-worn | Front side | 0.07 | 0.07 | 0.07 | 0.21 |
| | | Back side | 0.10 | 0.11 | 0.11 | 0.32 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.26 |
| | | Right tilt | 0.03 | 0.08 | 0.06 | 0.17 |
| | | Left cheek | 0.05 | 0.21 | 0.08 | 0.34 |
| | | Left tilt | 0.03 | 0.14 | 0.05 | 0.22 |
| | body-worn | Front side | 0.13 | 0.07 | 0.07 | 0.27 |
| | | Back side | 0.14 | 0.11 | 0.11 | 0.36 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.11 | 0.25 |
| | | Right tilt | 0.02 | 0.08 | 0.06 | 0.16 |
| | | Left cheek | 0.04 | 0.21 | 0.08 | 0.33 |
| | | Left tilt | 0.03 | 0.14 | 0.05 | 0.22 |
| | body-worn | Front side | 0.10 | 0.07 | 0.07 | 0.24 |
| | | Back side | 0.10 | 0.11 | 0.11 | 0.32 |

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| reported SAR WWAN and WLAN 5GHz MIMO and Bluetooth, ΣSAR evaluation | | | | | | | |
|---|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | BT | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.09 | 0.40 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.06 | 0.24 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.11 | 0.47 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.09 | 0.32 |
| | body-worn | Front side | 0.14 | 0.07 | 0.07 | 0.03 | 0.31 |
| | | Back side | 0.16 | 0.11 | 0.11 | 0.03 | 0.41 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.09 | 0.39 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.06 | 0.24 |
| | | Left cheek | 0.08 | 0.21 | 0.08 | 0.11 | 0.48 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.09 | 0.32 |
| | body-worn | Front side | 0.26 | 0.07 | 0.07 | 0.03 | 0.43 |
| | | Back side | 0.29 | 0.11 | 0.11 | 0.03 | 0.54 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.11 | 0.09 | 0.38 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.06 | 0.24 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.11 | 0.49 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.09 | 0.32 |
| | body-worn | Front side | 0.34 | 0.07 | 0.07 | 0.03 | 0.51 |
| | | Back side | 0.42 | 0.11 | 0.11 | 0.03 | 0.67 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.09 | 0.39 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.06 | 0.25 |
| | | Left cheek | 0.10 | 0.21 | 0.08 | 0.11 | 0.50 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.09 | 0.34 |
| | body-worn | Front side | 0.27 | 0.07 | 0.07 | 0.03 | 0.44 |
| | | Back side | 0.33 | 0.11 | 0.11 | 0.03 | 0.58 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.09 | 0.39 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.06 | 0.25 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.11 | 0.47 |
| | | Left tilt | 0.05 | 0.14 | 0.05 | 0.09 | 0.33 |
| | body-worn | Front side | 0.23 | 0.07 | 0.07 | 0.03 | 0.40 |
| | | Back side | 0.24 | 0.11 | 0.11 | 0.03 | 0.49 |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.11 | 0.09 | 0.40 |
| | | Right tilt | 0.06 | 0.08 | 0.06 | 0.06 | 0.26 |
| | | Left cheek | 0.11 | 0.21 | 0.08 | 0.11 | 0.51 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.09 | 0.34 |
| | body-worn | Front side | 0.34 | 0.07 | 0.07 | 0.03 | 0.51 |
| | | Back side | 0.39 | 0.11 | 0.11 | 0.03 | 0.64 |

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| reported SAR WWAN and WLAN 5GHz MIMO and Bluetooth, ΣSAR evaluation | | | | | | | |
|---|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | | ΣSAR |
| | | | WWAN | Ant 0 | Ant 1 | BT | <1.6W/kg |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.11 | 0.09 | 0.39 |
| | | Right tilt | 0.05 | 0.08 | 0.06 | 0.06 | 0.25 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.11 | 0.49 |
| | | Left tilt | 0.06 | 0.14 | 0.05 | 0.09 | 0.34 |
| | body-worn | Front side | 0.27 | 0.07 | 0.07 | 0.03 | 0.44 |
| | | Back side | 0.31 | 0.11 | 0.11 | 0.03 | 0.56 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.11 | 0.09 | 0.37 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.06 | 0.24 |
| | | Left cheek | 0.06 | 0.21 | 0.08 | 0.11 | 0.46 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.09 | 0.32 |
| | body-worn | Front side | 0.22 | 0.07 | 0.07 | 0.03 | 0.39 |
| | | Back side | 0.24 | 0.11 | 0.11 | 0.03 | 0.49 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.11 | 0.09 | 0.36 |
| | | Right tilt | 0.04 | 0.08 | 0.06 | 0.06 | 0.24 |
| | | Left cheek | 0.07 | 0.21 | 0.08 | 0.11 | 0.47 |
| | | Left tilt | 0.04 | 0.14 | 0.05 | 0.09 | 0.32 |
| | body-worn | Front side | 0.31 | 0.07 | 0.07 | 0.03 | 0.48 |
| | | Back side | 0.41 | 0.11 | 0.11 | 0.03 | 0.66 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.09 | 0.35 |
| | | Right tilt | 0.02 | 0.08 | 0.06 | 0.06 | 0.22 |
| | | Left cheek | 0.02 | 0.21 | 0.08 | 0.11 | 0.42 |
| | | Left tilt | 0.01 | 0.14 | 0.05 | 0.09 | 0.29 |
| | body-worn | Front side | 0.07 | 0.07 | 0.07 | 0.03 | 0.24 |
| | | Back side | 0.09 | 0.11 | 0.11 | 0.03 | 0.34 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.11 | 0.09 | 0.46 |
| | | Right tilt | 0.06 | 0.08 | 0.06 | 0.06 | 0.26 |
| | | Left cheek | 0.09 | 0.21 | 0.08 | 0.11 | 0.49 |
| | | Left tilt | 0.05 | 0.14 | 0.05 | 0.09 | 0.33 |
| | body-worn | Front side | 0.33 | 0.07 | 0.07 | 0.03 | 0.50 |
| | | Back side | 0.41 | 0.11 | 0.11 | 0.03 | 0.66 |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.09 | 0.35 |
| | | Right tilt | 0.01 | 0.08 | 0.06 | 0.06 | 0.21 |
| | | Left cheek | 0.04 | 0.21 | 0.08 | 0.11 | 0.44 |
| | | Left tilt | 0.02 | 0.14 | 0.05 | 0.09 | 0.30 |
| | body-worn | Front side | 0.07 | 0.07 | 0.07 | 0.03 | 0.24 |
| | | Back side | 0.10 | 0.11 | 0.11 | 0.03 | 0.35 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.11 | 0.09 | 0.35 |
| | | Right tilt | 0.03 | 0.08 | 0.06 | 0.06 | 0.23 |
| | | Left cheek | 0.05 | 0.21 | 0.08 | 0.11 | 0.45 |
| | | Left tilt | 0.03 | 0.14 | 0.05 | 0.09 | 0.31 |
| | body-worn | Front side | 0.13 | 0.07 | 0.07 | 0.03 | 0.30 |
| | | Back side | 0.14 | 0.11 | 0.11 | 0.03 | 0.39 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.11 | 0.09 | 0.34 |
| | | Right tilt | 0.02 | 0.08 | 0.06 | 0.06 | 0.22 |
| | | Left cheek | 0.04 | 0.21 | 0.08 | 0.11 | 0.44 |
| | | Left tilt | 0.03 | 0.14 | 0.05 | 0.09 | 0.31 |
| | body-worn | Front side | 0.10 | 0.07 | 0.07 | 0.03 | 0.27 |
| | | Back side | 0.10 | 0.11 | 0.11 | 0.03 | 0.35 |

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| reported SAR WWAN and WLAN 5GHz Ant 1 and Bluetooth, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 1 | BT | <1.6W/kg |
| GSM 850 | Head | Right cheek | 0.09 | 0.11 | 0.09 | 0.29 |
| | | Right tilt | 0.04 | 0.06 | 0.06 | 0.16 |
| | | Left cheek | 0.07 | 0.08 | 0.11 | 0.26 |
| | | Left tilt | 0.04 | 0.05 | 0.09 | 0.18 |
| | body-worn | Front side | 0.14 | 0.07 | 0.03 | 0.24 |
| | | Back side | 0.16 | 0.11 | 0.03 | 0.30 |
| GSM 1900 | Head | Right cheek | 0.08 | 0.11 | 0.09 | 0.28 |
| | | Right tilt | 0.04 | 0.06 | 0.06 | 0.16 |
| | | Left cheek | 0.08 | 0.08 | 0.11 | 0.27 |
| | | Left tilt | 0.04 | 0.05 | 0.09 | 0.18 |
| | body-worn | Front side | 0.26 | 0.07 | 0.03 | 0.36 |
| | | Back side | 0.29 | 0.11 | 0.03 | 0.43 |
| WCDMA Band II | Head | Right cheek | 0.07 | 0.11 | 0.09 | 0.27 |
| | | Right tilt | 0.04 | 0.06 | 0.06 | 0.16 |
| | | Left cheek | 0.09 | 0.08 | 0.11 | 0.28 |
| | | Left tilt | 0.04 | 0.05 | 0.09 | 0.18 |
| | body-worn | Front side | 0.34 | 0.07 | 0.03 | 0.44 |
| | | Back side | 0.42 | 0.11 | 0.03 | 0.56 |
| WCDMA Band IV | Head | Right cheek | 0.08 | 0.11 | 0.09 | 0.28 |
| | | Right tilt | 0.05 | 0.06 | 0.06 | 0.17 |
| | | Left cheek | 0.10 | 0.08 | 0.11 | 0.29 |
| | | Left tilt | 0.06 | 0.05 | 0.09 | 0.20 |
| | body-worn | Front side | 0.27 | 0.07 | 0.03 | 0.37 |
| | | Back side | 0.33 | 0.11 | 0.03 | 0.47 |
| WCDMA Band V | Head | Right cheek | 0.08 | 0.11 | 0.09 | 0.28 |
| | | Right tilt | 0.05 | 0.06 | 0.06 | 0.17 |
| | | Left cheek | 0.07 | 0.08 | 0.11 | 0.26 |
| | | Left tilt | 0.05 | 0.05 | 0.09 | 0.19 |
| | body-worn | Front side | 0.23 | 0.07 | 0.03 | 0.33 |
| | | Back side | 0.24 | 0.11 | 0.03 | 0.38 |
| LTE FDD Band 2 | Head | Right cheek | 0.09 | 0.11 | 0.09 | 0.29 |
| | | Right tilt | 0.06 | 0.06 | 0.06 | 0.18 |
| | | Left cheek | 0.11 | 0.08 | 0.11 | 0.30 |
| | | Left tilt | 0.06 | 0.05 | 0.09 | 0.20 |
| | body-worn | Front side | 0.34 | 0.07 | 0.03 | 0.44 |
| | | Back side | 0.39 | 0.11 | 0.03 | 0.53 |

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| reported SAR WWAN and WLAN 5GHz Ant 1 and Bluetooth, ΣSAR evaluation | | | | | | |
|---|---|---|---|---|---|---|
| Frequency band | Position | | reported SAR / W/kg | | | ΣSAR |
| | | | WWAN | Ant 1 | BT | <1.6W/kg |
| LTE FDD Band 4 | Head | Right cheek | 0.08 | 0.11 | 0.09 | 0.28 |
| | | Right tilt | 0.05 | 0.06 | 0.06 | 0.17 |
| | | Left cheek | 0.09 | 0.08 | 0.11 | 0.28 |
| | | Left tilt | 0.06 | 0.05 | 0.09 | 0.20 |
| | body-worn | Front side | 0.27 | 0.07 | 0.03 | 0.37 |
| | | Back side | 0.31 | 0.11 | 0.03 | 0.45 |
| LTE FDD Band 5 | Head | Right cheek | 0.06 | 0.11 | 0.09 | 0.26 |
| | | Right tilt | 0.04 | 0.06 | 0.06 | 0.16 |
| | | Left cheek | 0.06 | 0.08 | 0.11 | 0.25 |
| | | Left tilt | 0.04 | 0.05 | 0.09 | 0.18 |
| | body-worn | Front side | 0.22 | 0.07 | 0.03 | 0.32 |
| | | Back side | 0.24 | 0.11 | 0.03 | 0.38 |
| LTE FDD Band 7 | Head | Right cheek | 0.05 | 0.11 | 0.09 | 0.25 |
| | | Right tilt | 0.04 | 0.06 | 0.06 | 0.16 |
| | | Left cheek | 0.07 | 0.08 | 0.11 | 0.26 |
| | | Left tilt | 0.04 | 0.05 | 0.09 | 0.18 |
| | body-worn | Front side | 0.31 | 0.07 | 0.03 | 0.41 |
| | | Back side | 0.41 | 0.11 | 0.03 | 0.55 |
| LTE FDD Band 12 | Head | Right cheek | 0.04 | 0.11 | 0.09 | 0.24 |
| | | Right tilt | 0.02 | 0.06 | 0.06 | 0.14 |
| | | Left cheek | 0.02 | 0.08 | 0.11 | 0.21 |
| | | Left tilt | 0.01 | 0.05 | 0.09 | 0.15 |
| | body-worn | Front side | 0.07 | 0.07 | 0.03 | 0.17 |
| | | Back side | 0.09 | 0.11 | 0.03 | 0.23 |
| LTE FDD Band 13 | Head | Right cheek | 0.15 | 0.11 | 0.09 | 0.35 |
| | | Right tilt | 0.06 | 0.06 | 0.06 | 0.18 |
| | | Left cheek | 0.09 | 0.08 | 0.11 | 0.28 |
| | | Left tilt | 0.05 | 0.05 | 0.09 | 0.19 |
| | body-worn | Front side | 0.33 | 0.07 | 0.03 | 0.43 |
| | | Back side | 0.41 | 0.11 | 0.03 | 0.55 |
| LTE FDD Band 17 | Head | Right cheek | 0.04 | 0.11 | 0.09 | 0.24 |
| | | Right tilt | 0.01 | 0.06 | 0.06 | 0.13 |
| | | Left cheek | 0.04 | 0.08 | 0.11 | 0.23 |
| | | Left tilt | 0.02 | 0.05 | 0.09 | 0.16 |
| | body-worn | Front side | 0.07 | 0.07 | 0.03 | 0.17 |
| | | Back side | 0.10 | 0.11 | 0.03 | 0.24 |
| LTE TDD Band 38 | Head | Right cheek | 0.04 | 0.11 | 0.09 | 0.24 |
| | | Right tilt | 0.03 | 0.06 | 0.06 | 0.15 |
| | | Left cheek | 0.05 | 0.08 | 0.11 | 0.24 |
| | | Left tilt | 0.03 | 0.05 | 0.09 | 0.17 |
| | body-worn | Front side | 0.13 | 0.07 | 0.03 | 0.23 |
| | | Back side | 0.14 | 0.11 | 0.03 | 0.28 |
| LTE TDD Band 41 | Head | Right cheek | 0.03 | 0.11 | 0.09 | 0.23 |
| | | Right tilt | 0.02 | 0.06 | 0.06 | 0.14 |
| | | Left cheek | 0.04 | 0.08 | 0.11 | 0.23 |
| | | Left tilt | 0.03 | 0.05 | 0.09 | 0.17 |
| | body-worn | Front side | 0.10 | 0.07 | 0.03 | 0.20 |
| | | Back side | 0.10 | 0.11 | 0.03 | 0.24 |

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# 4. Instruments List

| Manufacturer | Device | Type | Serial number | Date of last calibration | Date of next calibration |
|---|---|---|---|---|---|
| SPEAG | Dosimetric E-Field Probe | EX3DV4 | 3665 | Aug.30,2019 | Aug.29,2020 |
| SPEAG | System Validation Dipole | D750V3 | 1015 | Aug.23,2019 | Aug.22,2020 |
| | | D835V2 | 4d063 | Aug.23,2019 | Aug.22,2020 |
| | | D1750V2 | 1008 | Aug.23,2019 | Aug.22,2020 |
| | | D1900V2 | 5d173 | Apr.23,2019 | Apr.22,2020 |
| | | D2450V2 | 727 | Apr.24,2019 | Apr.23,2020 |
| | | D2600V2 | 1005 | Jan.28,2019 | Jan.27,2020 |
| | | D5GHzV2 | 1023 | Jan.30,2019 | Jan.29,2020 |
| SPEAG | Data acquisition Electronics | DAE4 | 547 | Mar.22,2019 | Mar.21,2020 |
| SPEAG | Software | DASY 52 V52.8.8 | N/A | Calibration not required | Calibration not required |
| SPEAG | Phantom | SAM | N/A | Calibration not required | Calibration not required |
| Network Analyzer | Agilent | E5071C | MY46107530 | Feb.23,2019 | Feb.22,2020 |
| Agilent | Dielectric Probe Kit | 85070E | MY44300677 | Calibration not required | Calibration not required |
| Agilent | Dual-directional coupler | 772D | MY46151242 | Jul.30,2019 | Jul.29,2020 |
| | | 778D | MY48220468 | Jul.30,2019 | Jul.29,2020 |
| Agilent | MXG Analog Signal Generator | N5181A | MY50141235 | Apr.22,2019 | Apr.21,2020 |
| Agilent | Power Meter | E4417A | MY51410006 | Feb.19,2019 | Feb.18,2020 |
| Agilent | Power Sensor | E9301H | MY51470001 | Feb.19,2019 | Feb.18,2020 |
| | | | MY51470002 | Feb.19,2019 | Feb.18,2020 |
| TECPEL | Digital thermometer | DTM-303A | TP130074 | Mar.26,2019 | Mar.25,2020 |
| Anritsu | Radio Communication Test | MT8820C | 6201061014 | Dec.08,2019 | Dec.07,2020 |

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# 5. Measurements

Date: 2020/1/3

## GSM 850_Head_Re Cheek_CH 128

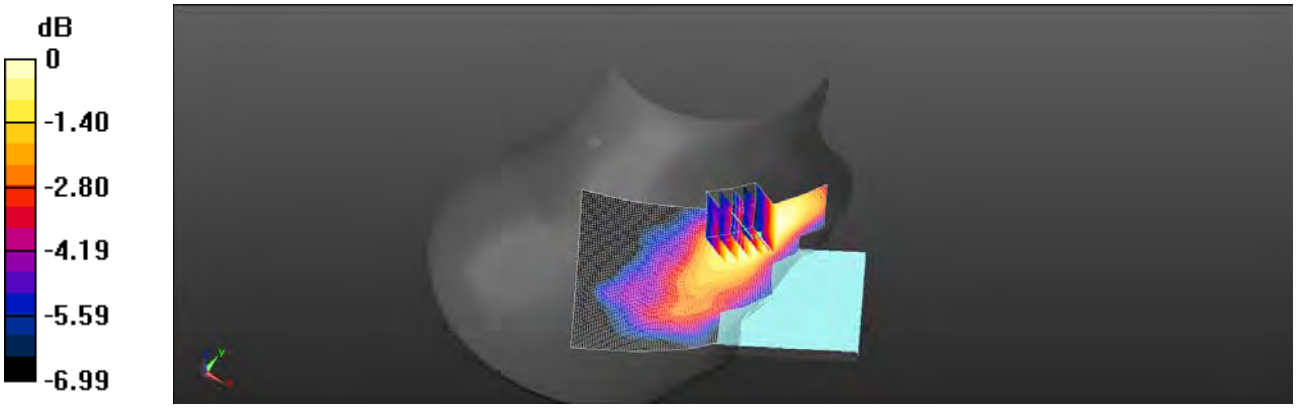
Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 41.348; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0862 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.093 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0930 W/kg
**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.052 W/kg**
Maximum value of SAR (measured) = 0.0824 W/kg




0 dB = 0.0824 W/kg = -10.84 dBW/kg

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Date: 2020/1/5

## GSM 850_Body-worn_Back side_CH 128_10mm

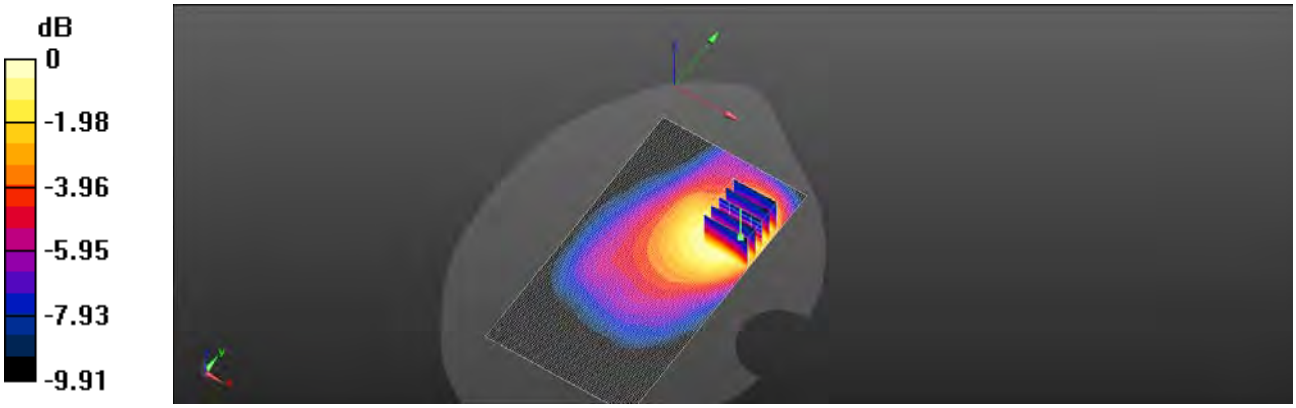
Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 41.35; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.173 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.179 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.207 W/kg
**SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.089 W/kg**
Maximum value of SAR (measured) = 0.170 W/kg




0 dB = 0.170 W/kg = -7.69 dBW/kg

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Date: 2020/1/5

## GPRS 850_Hotspot_Back side_CH 190_10mm

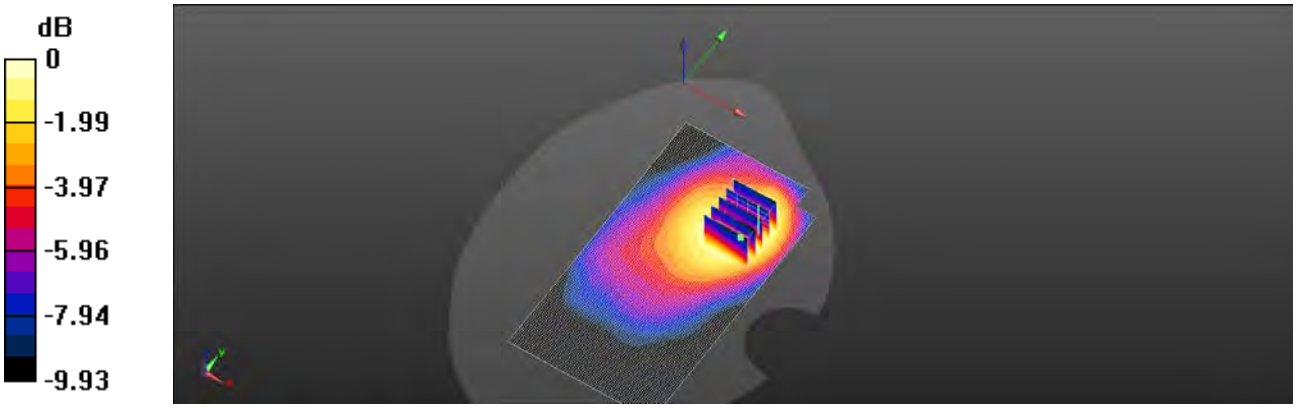
Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:2
Medium parameters used: f = 837 MHz; $\sigma$ = 0.898 S/m; $\varepsilon_r$ = 41.311; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.167 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.392 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.220 W/kg
**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.093 W/kg**
Maximum value of SAR (measured) = 0.179 W/kg




0 dB = 0.179 W/kg = -7.47 dBW/kg

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Date: 2020/1/7

## GSM 1900_Head_Le Cheek_CH 810

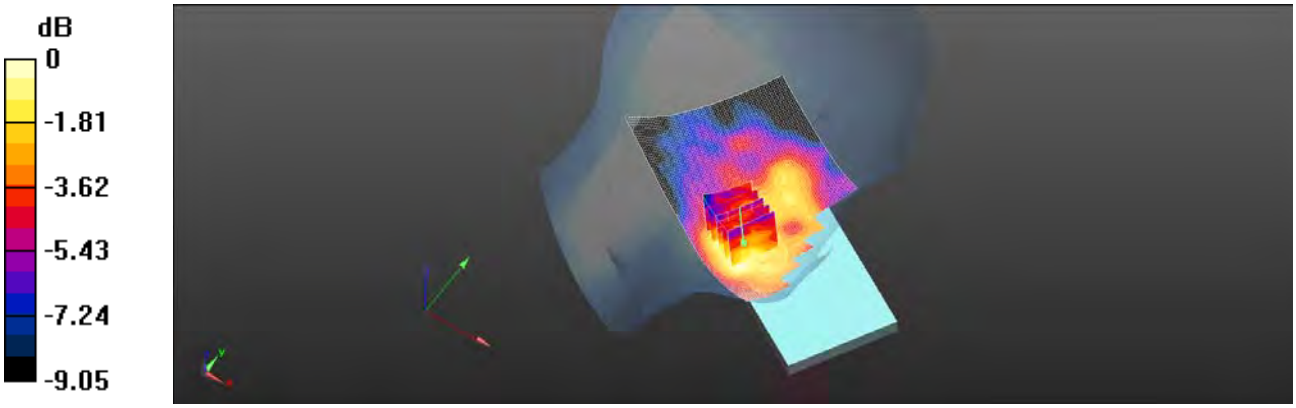
Communication System: GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.408 S/m; $\varepsilon_r$ = 40.176; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0766 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.990 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0720 W/kg
**SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.047 W/kg**
Maximum value of SAR (measured) = 0.0673 W/kg




0 dB = 0.0673 W/kg = -11.72 dBW/kg

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Date: 2020/1/7

## GSM 1900_Body-worn_Back side_CH 810_10mm

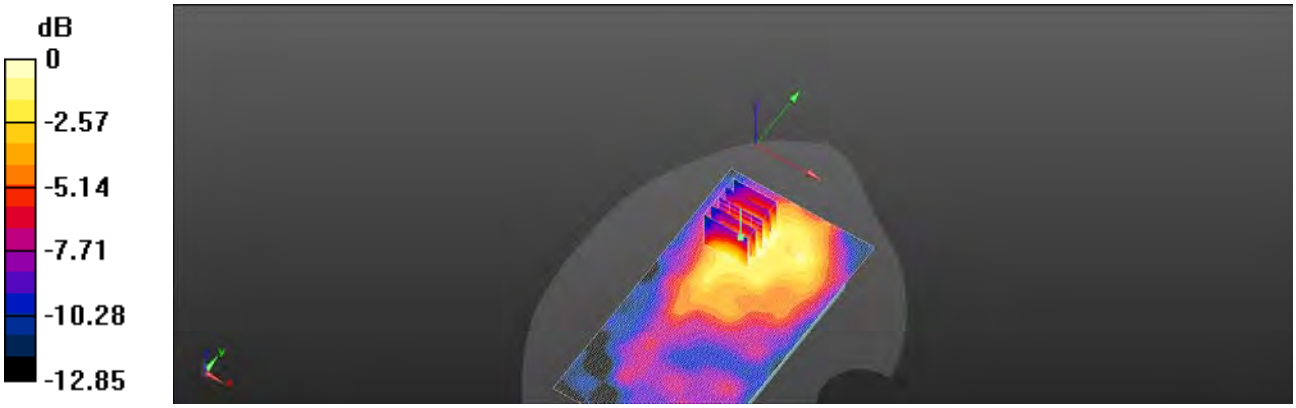
Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.408 S/m; $\varepsilon_r$ = 40.176; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.318 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.714 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.295 W/kg
**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.155 W/kg**
Maximum value of SAR (measured) = 0.272 W/kg




0 dB = 0.272 W/kg = -5.65 dBW/kg

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Date: 2020/1/7

## GPRS 1900_Hotspot_Back side_CH 810_10mm

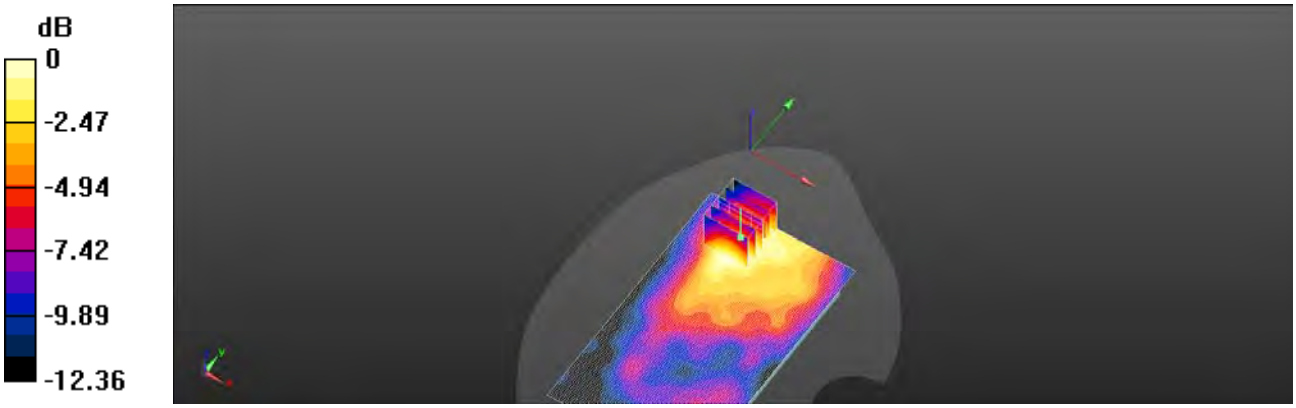
Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2
Medium parameters used: f = 1910 MHz; $\sigma$ = 1.408 S/m; $\varepsilon_r$ = 40.176; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x121x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.364 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.006 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.340 W/kg
**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.176 W/kg**
Maximum value of SAR (measured) = 0.306 W/kg




0 dB = 0.306 W/kg = -5.14 dBW/kg

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Date: 2020/1/7

## WCDMA Band II_Head_Le Cheek_CH 9400

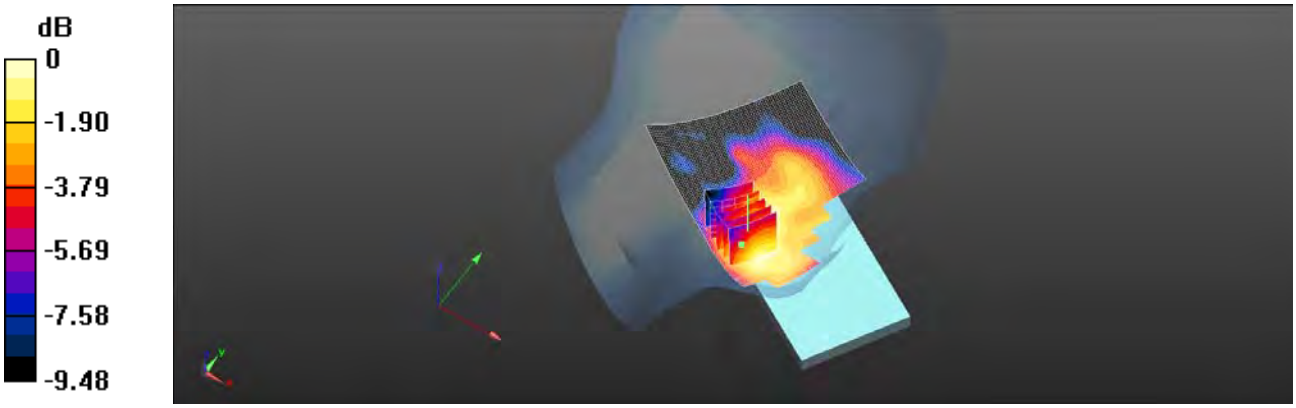
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.405 S/m; $\varepsilon_r$ = 40.188; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.101 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.432 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0860 W/kg
**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.059 W/kg**
Maximum value of SAR (measured) = 0.0832 W/kg




0 dB = 0.0832 W/kg = -10.80 dBW/kg

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Date: 2020/1/7

## WCDMA Band II_Hotspot_Back side_CH 9400_10mm

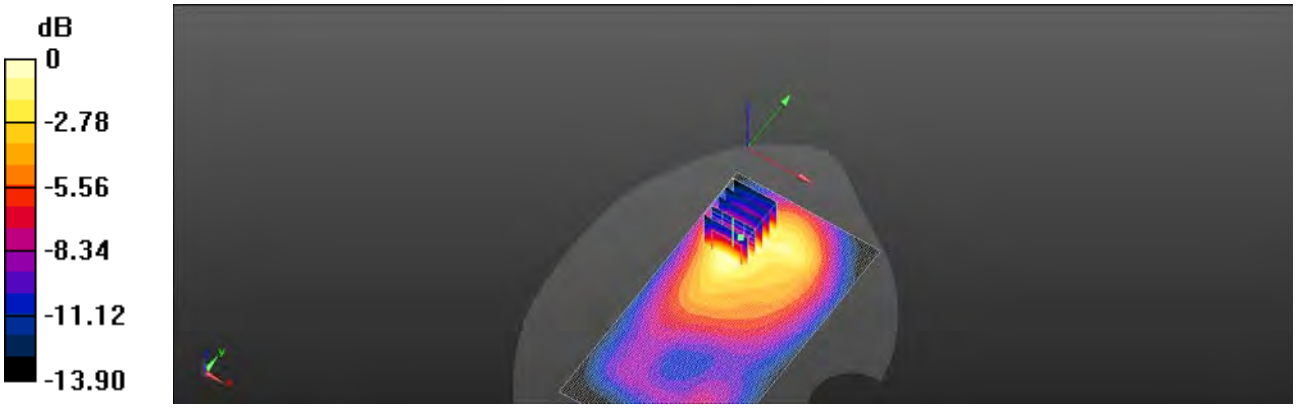
Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; $\sigma$ = 1.405 S/m; $\varepsilon_r$ = 40.188; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.475 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.334 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.595 W/kg
**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.208 W/kg**
Maximum value of SAR (measured) = 0.471 W/kg




0 dB = 0.471 W/kg = -3.27 dBW/kg

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Date: 2020/1/6

## WCDMA Band IV_Head_Le Cheek_CH 1412

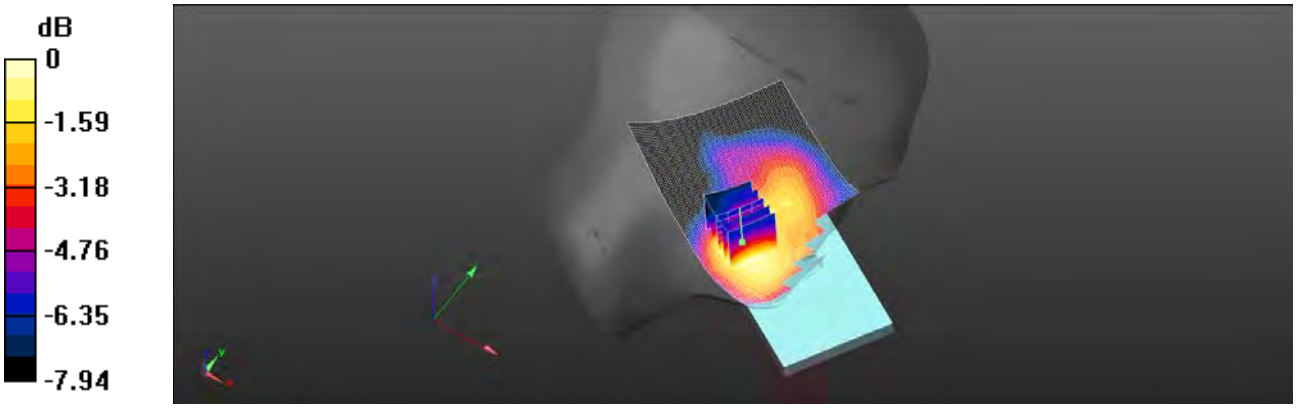
Communication System: WCDMA band IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; $\sigma$ = 1.371 S/m; $\varepsilon_r$ = 40.313; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.34, 8.34, 8.34); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.110 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.255 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.123 W/kg
**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.063 W/kg**
Maximum value of SAR (measured) = 0.104 W/kg




0 dB = 0.104 W/kg = -9.82 dBW/kg

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Date: 2020/1/6

## WCDMA Band IV_Hotspot_Back side_CH 1412_10mm

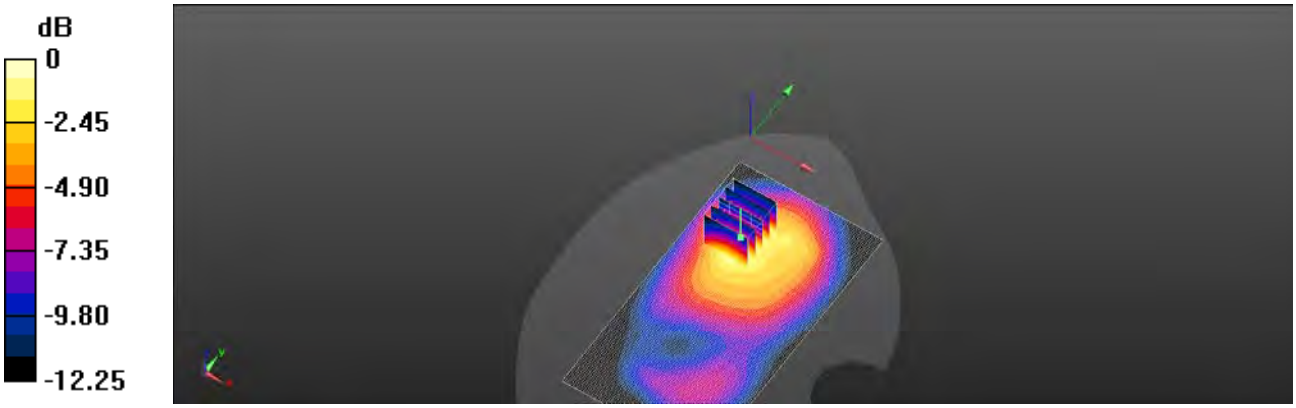
Communication System: WCDMA band IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; $\sigma$ = 1.371 S/m; $\varepsilon_r$ = 40.313; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.34, 8.34, 8.34); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.781 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.441 W/kg
**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.165 W/kg**
Maximum value of SAR (measured) = 0.351 W/kg




0 dB = 0.351 W/kg = -4.54 dBW/kg

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Date: 2020/1/3

## WCDMA Band V_Head_Re Cheek_CH 4183

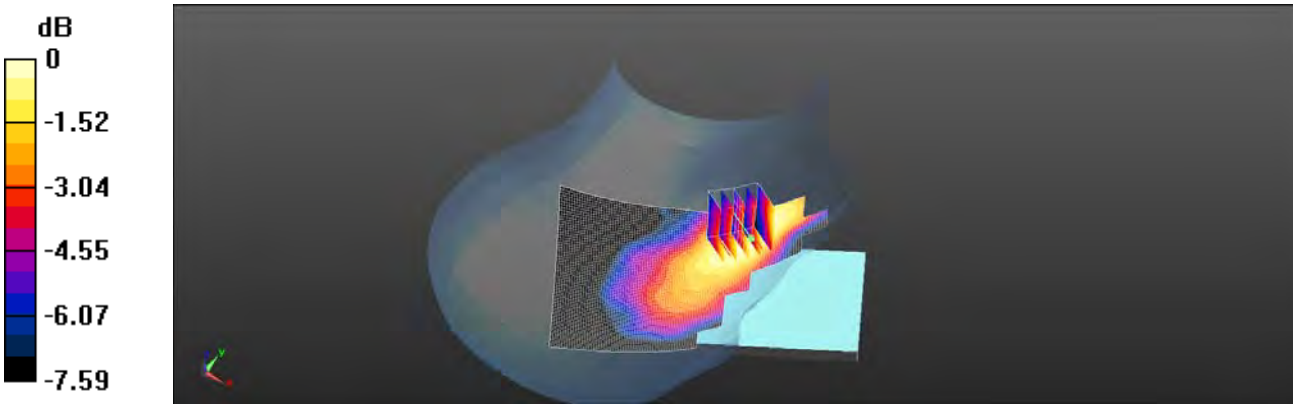
Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; $\sigma$ = 0.895 S/m; $\varepsilon_r$ = 41.312; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0804 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.428 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0830 W/kg
**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.050 W/kg**
Maximum value of SAR (measured) = 0.0773 W/kg




0 dB = 0.0773 W/kg = -11.12 dBW/kg

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Date: 2020/1/5

## WCDMA Band V_Hotspot_Back side_CH 4183_10mm

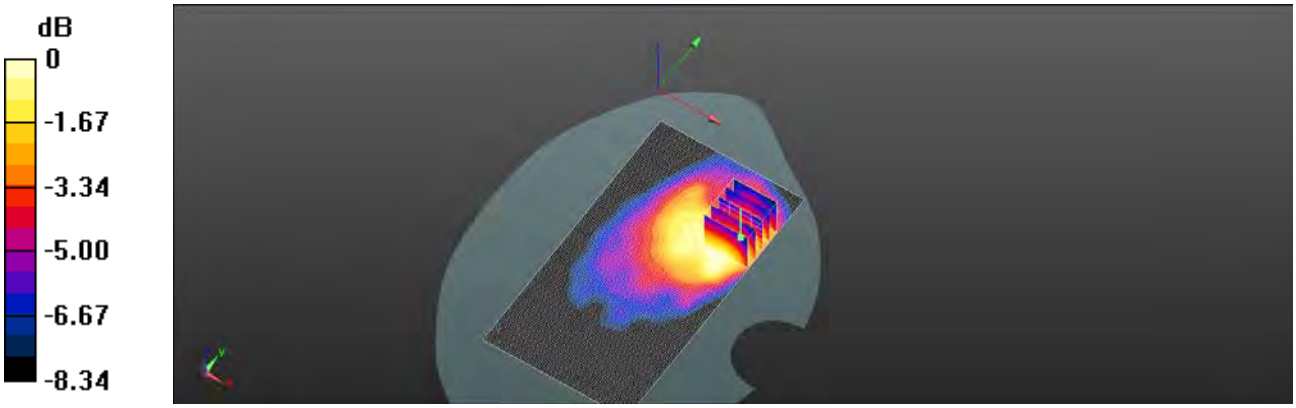
Communication System: WCDMA; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 837 MHz; $\sigma$ = 0.898 S/m; $\varepsilon_r$ = 41.311; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.295 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.206 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.246 W/kg
**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.155 W/kg**
Maximum value of SAR (measured) = 0.241 W/kg




0 dB = 0.241 W/kg = -6.19 dBW/kg

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Date: 2020/1/7

## LTE Band 2 (20MHz)_Head_Le Cheek_CH 18700_QPSK_1-0

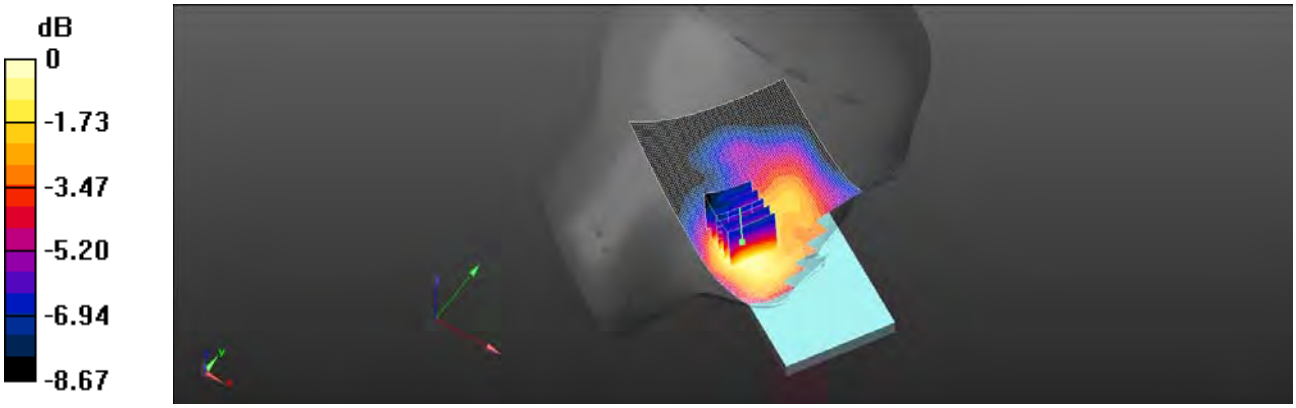
Communication System: LTE Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; $\sigma$ = 1.404 S/m; $\varepsilon_r$ = 40.212; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.118 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.292 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.139 W/kg
**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.065 W/kg**
Maximum value of SAR (measured) = 0.115 W/kg




0 dB = 0.115 W/kg = -9.39 dBW/kg

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Date: 2020/1/7

## LTE Band 2 (20MHz)_Hotspot_Back side_CH 18700_QPSK_1-0_10mm

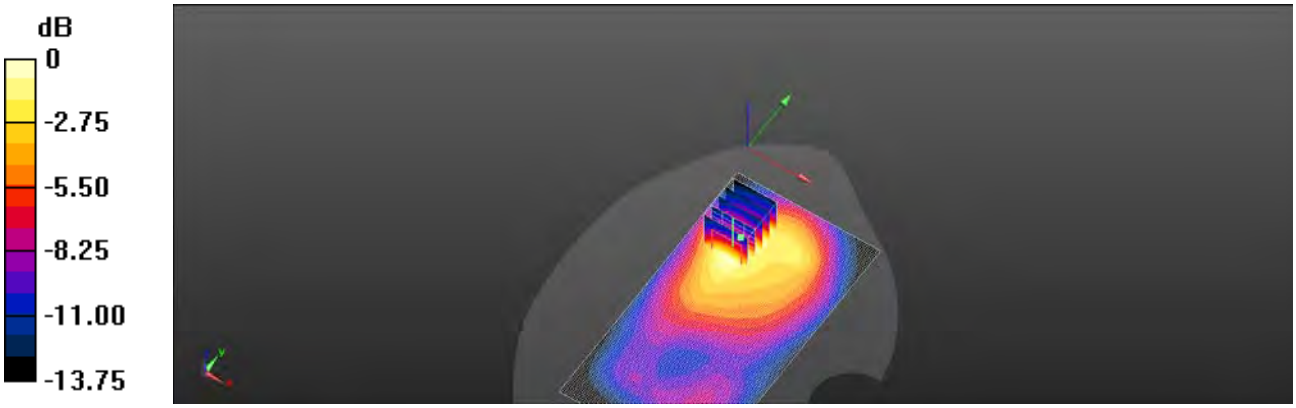
Communication System: LTE Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; $\sigma$ = 1.404 S/m; $\varepsilon_r$ = 40.212; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.425 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.019 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.541 W/kg
**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.190 W/kg**
Maximum value of SAR (measured) = 0.432 W/kg




0 dB = 0.432 W/kg = -3.64 dBW/kg

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Date: 2020/1/6

## LTE Band 4 (20MHz)_Head_Le Cheek_CH 20050_QPSK_1-50

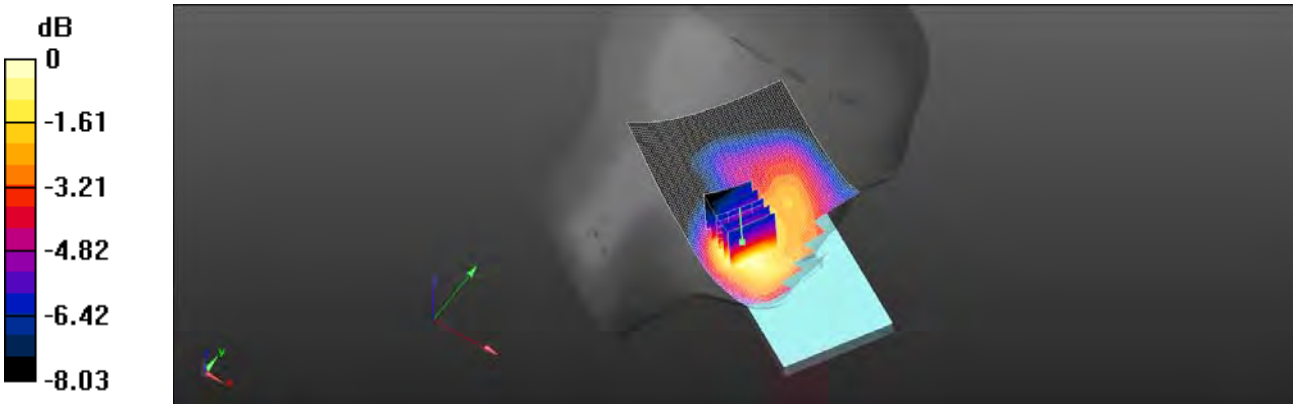
Communication System: LTE Band 4; Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; $\sigma$ = 1.364 S/m; $\varepsilon_r$ = 40.335; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.34, 8.34, 8.34); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.105 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.629 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.115 W/kg
**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.059 W/kg**
Maximum value of SAR (measured) = 0.0986 W/kg




0 dB = 0.0986 W/kg = -10.06 dBW/kg

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Date: 2020/1/6

## LTE Band 4 (20MHz)_Hotspot_Back side_CH 20050_QPSK_1-50_10mm

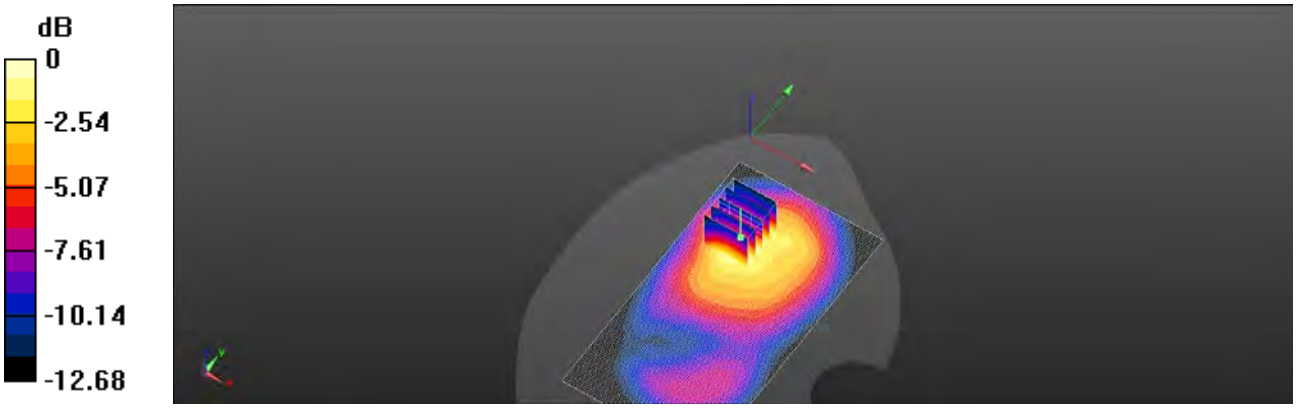
Communication System: LTE Band 4; Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; $\sigma$ = 1.364 S/m; $\varepsilon_r$ = 40.335; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.34, 8.34, 8.34); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.573 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.440 W/kg
**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.165 W/kg**
Maximum value of SAR (measured) = 0.347 W/kg




0 dB = 0.347 W/kg = -4.59 dBW/kg

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Date: 2020/1/3

## LTE Band 5 (10MHz)_Head_Re Cheek_CH 20525_QPSK_1-25

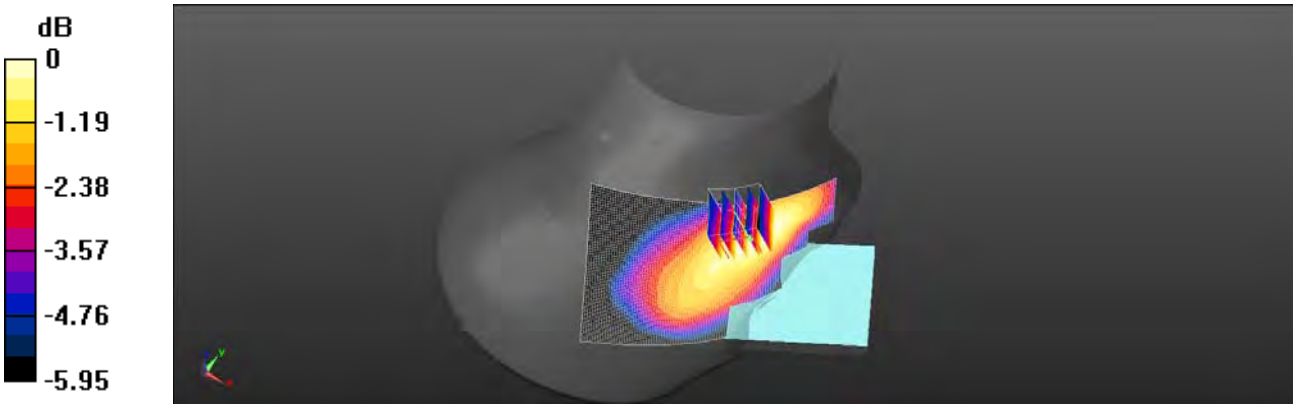
Communication System: LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; $\sigma$ = 0.895 S/m; $\varepsilon_r$ = 41.313; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0624 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.452 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0700 W/kg
**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.042 W/kg**
Maximum value of SAR (measured) = 0.0634 W/kg




0 dB = 0.0634 W/kg = -11.98 dBW/kg

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Date: 2020/1/5

## LTE Band 5 (10MHz)_Hotspot_Back side_CH 20525_QPSK_1-25_10mm

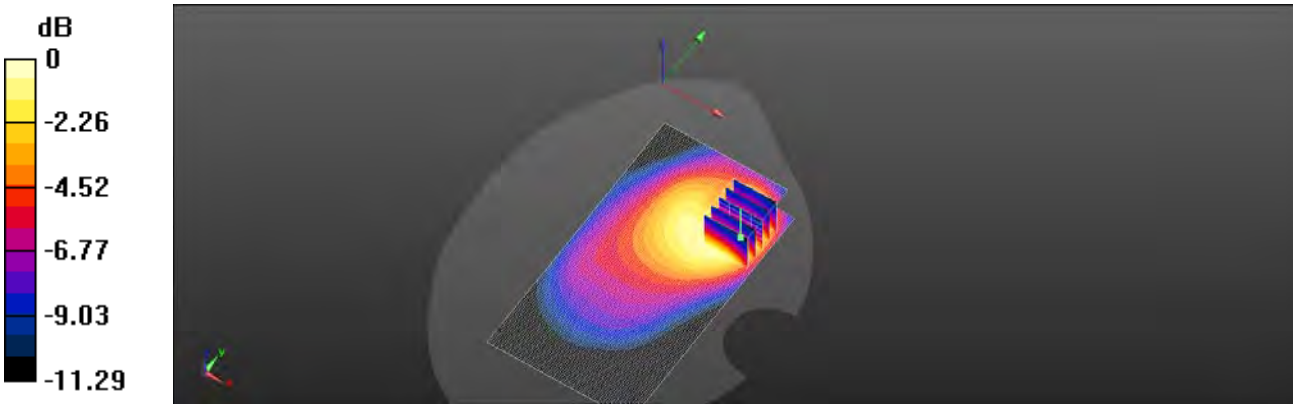
Communication System: LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; $\sigma$ = 0.898 S/m; $\varepsilon_r$ = 41.314; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.257 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.342 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.323 W/kg
**SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.132 W/kg**
Maximum value of SAR (measured) = 0.261 W/kg




0 dB = 0.261 W/kg = -5.83 dBW/kg

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Date: 2020/1/8

## LTE Band 7 (20MHz)_Head_Le Cheek_CH 21350_QPSK_1-99

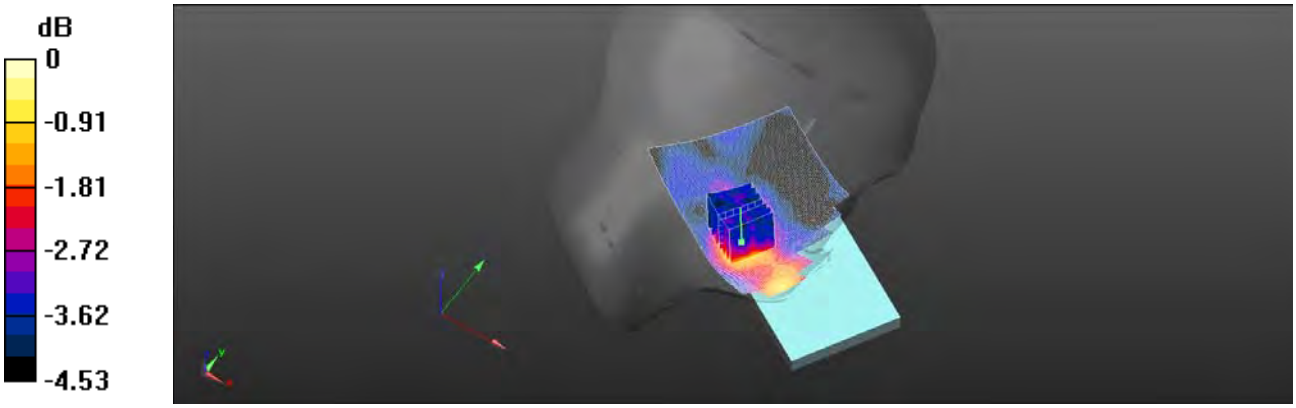
Communication System: LTE Band 7; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; $\sigma$ = 1.901 S/m; $\varepsilon_r$ = 38.673; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x151x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0722 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.198 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0820 W/kg
**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.043 W/kg**
Maximum value of SAR (measured) = 0.0707 W/kg




0 dB = 0.0707 W/kg = -11.50 dBW/kg

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Date: 2020/1/9

## LTE Band 7 (20MHz)_Hotspot_Bottom side_CH 21350_QPSK_1-99_10mm

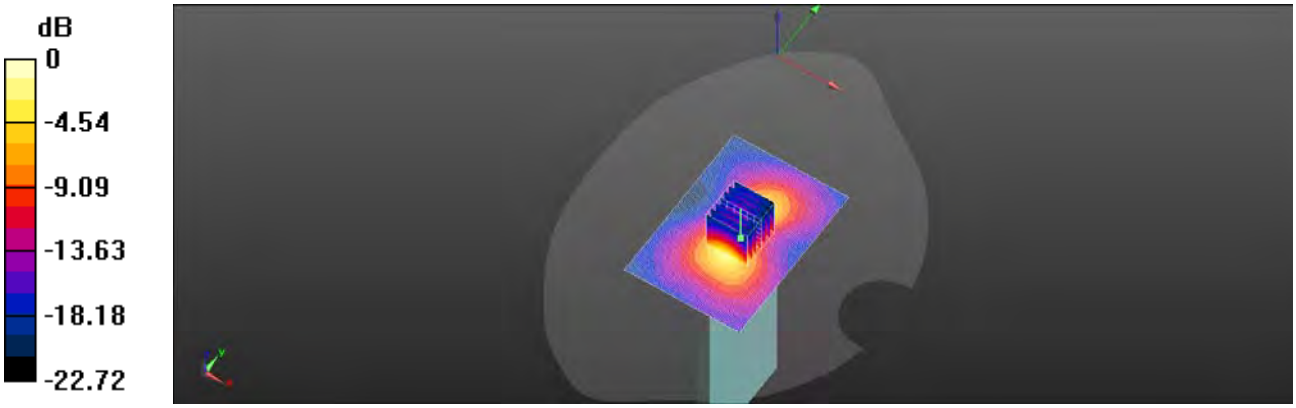
Communication System: LTE Band 7; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; $\sigma$ = 1.903 S/m; $\varepsilon_r$ = 38.669; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.18 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.42 W/kg
**SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.274 W/kg**
Maximum value of SAR (measured) = 1.02 W/kg




0 dB = 1.02 W/kg = 0.10 dBW/kg

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Date: 2020/1/3

## LTE Band 12 (10MHz)_Head_Re Cheek_CH 23095_QPSK_1-0

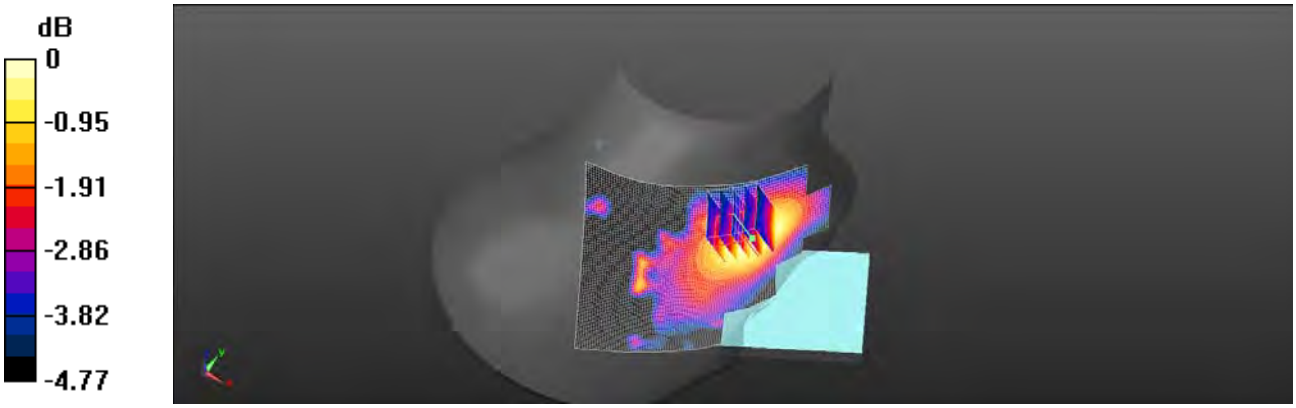
Communication System: LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; $\sigma$ = 0.884 S/m; $\varepsilon_r$ = 41.829; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0328 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.239 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0360 W/kg
**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.023 W/kg**
Maximum value of SAR (measured) = 0.0328 W/kg




0 dB = 0.0328 W/kg = -14.85 dBW/kg

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Date: 2020/1/4

## LTE Band 12 (10MHz)_Hotspot_Back side_CH 23095_QPSK_1-0_10mm

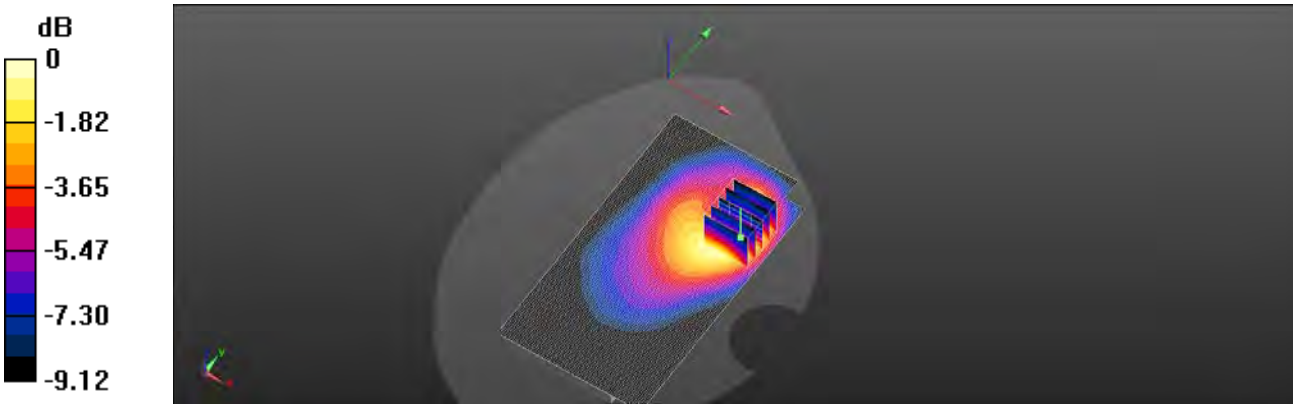
Communication System: LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; $\sigma$ = 0.883 S/m; $\varepsilon_r$ = 41.832; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0864 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.328 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.112 W/kg
**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.045 W/kg**
Maximum value of SAR (measured) = 0.0906 W/kg




0 dB = 0.0906 W/kg = -10.43 dBW/kg

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Date: 2020/1/3

## LTE Band 13 (10MHz)_Head_Re Cheek_CH 23230_QPSK_1-25

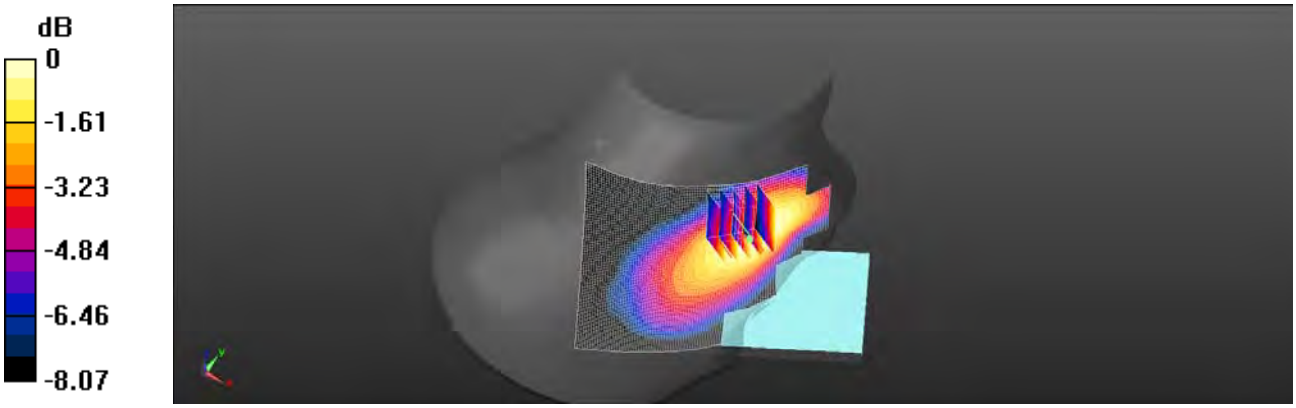
Communication System: LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; $\sigma$ = 0.889 S/m; $\varepsilon_r$ = 41.42; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.158 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.435 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.180 W/kg
**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.092 W/kg**
Maximum value of SAR (measured) = 0.158 W/kg




0 dB = 0.158 W/kg = -8.02 dBW/kg

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Date: 2020/1/4

## LTE Band 13 (10MHz)_Hotspot_Back side_CH 23230_QPSK_1-25_10mm

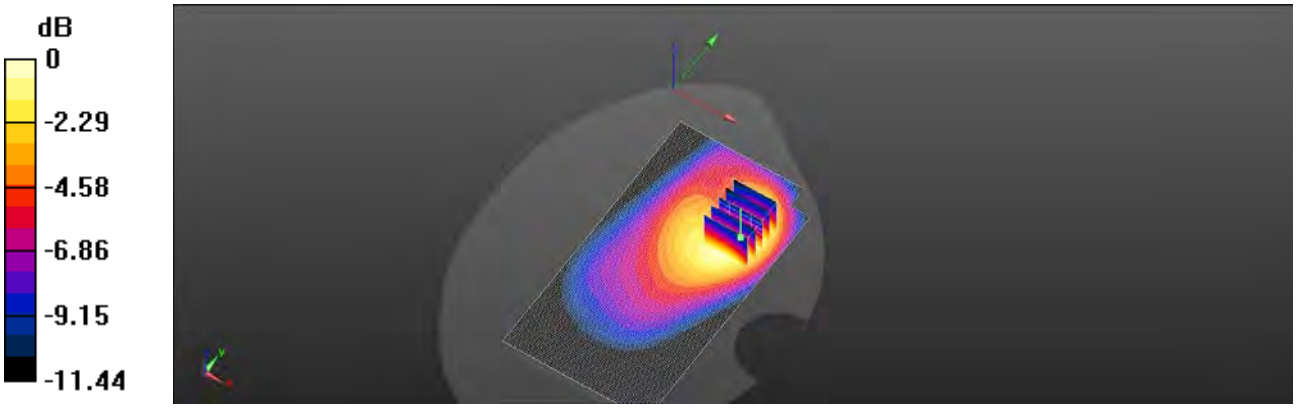
Communication System: LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used: f = 782 MHz; $\sigma$ = 0.889 S/m; $\varepsilon_r$ = 41.423; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.454 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.42 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.569 W/kg
**SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.224 W/kg**
Maximum value of SAR (measured) = 0.463 W/kg




0 dB = 0.463 W/kg = -3.34 dBW/kg

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Date: 2020/1/3

## LTE Band 17 (10MHz)_Head_Re Cheek_CH 23800_QPSK_1-49

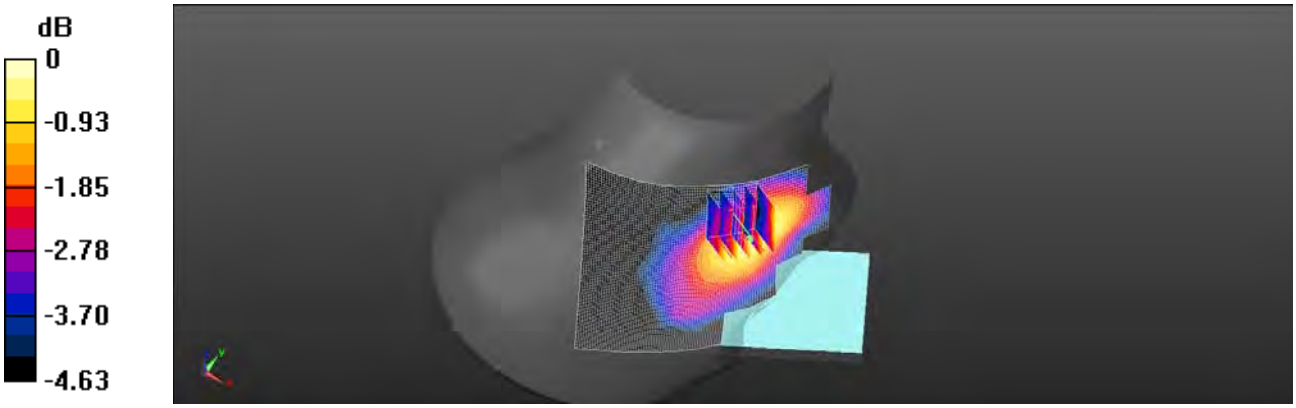
Communication System: LTE Band 17; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; $\sigma$ = 0.887 S/m; $\varepsilon_r$ = 41.82; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0326 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.490 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0370 W/kg
**SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.023 W/kg**
Maximum value of SAR (measured) = 0.0332 W/kg




0 dB = 0.0332 W/kg = -14.79 dBW/kg

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Date: 2020/1/4

## LTE Band 17 (10MHz)_Hotspot_Back side_CH 23800_QPSK_1-49_10mm

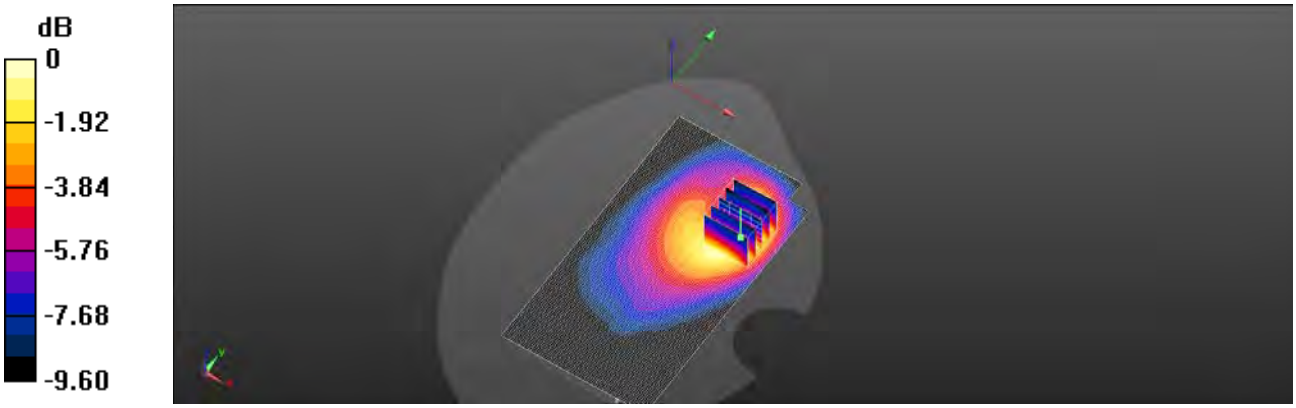
Communication System: LTE Band 17; Frequency: 711 MHz; Duty Cycle: 1:1
Medium parameters used: f = 711 MHz; $\sigma$ = 0.888 S/m; $\varepsilon_r$ = 41.812; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x131x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 0.0956 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.640 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.128 W/kg
**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.050 W/kg**
Maximum value of SAR (measured) = 0.104 W/kg




0 dB = 0.104 W/kg = -9.84 dBW/kg

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Date: 2020/1/8

## LTE Band 38 (20MHz)_Head_Le Cheek_CH 38150_QPSK_1-50

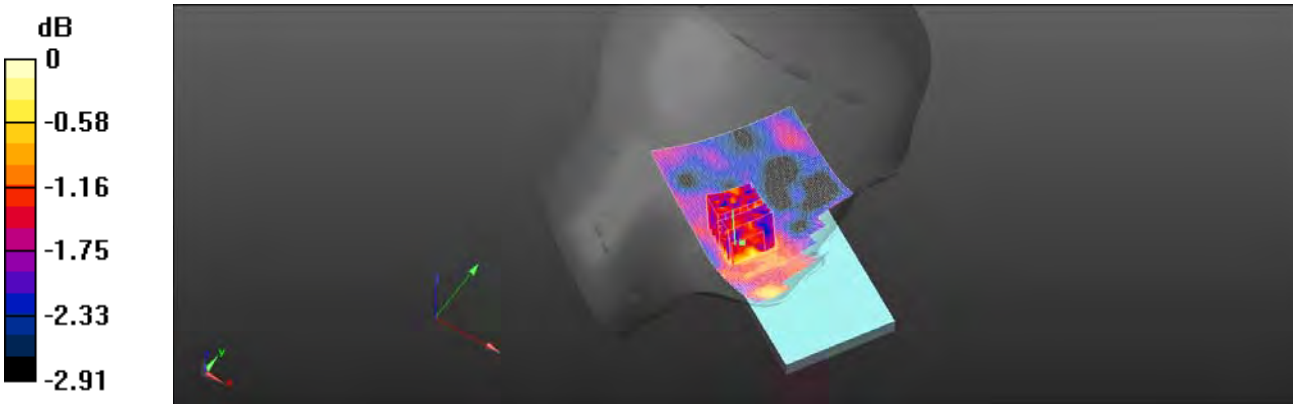
Communication System: LTE Band 38; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; $\sigma$ = 1.955 S/m; $\varepsilon_r$ = 38.604; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x151x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0414 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.458 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0510 W/kg
**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.032 W/kg**
Maximum value of SAR (measured) = 0.0407 W/kg




0 dB = 0.0407 W/kg = -13.90 dBW/kg

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Date: 2020/1/9

## LTE Band 38 (20MHz)_Hotspot_Bottom side_CH 38150_QPSK_1-50_10mm

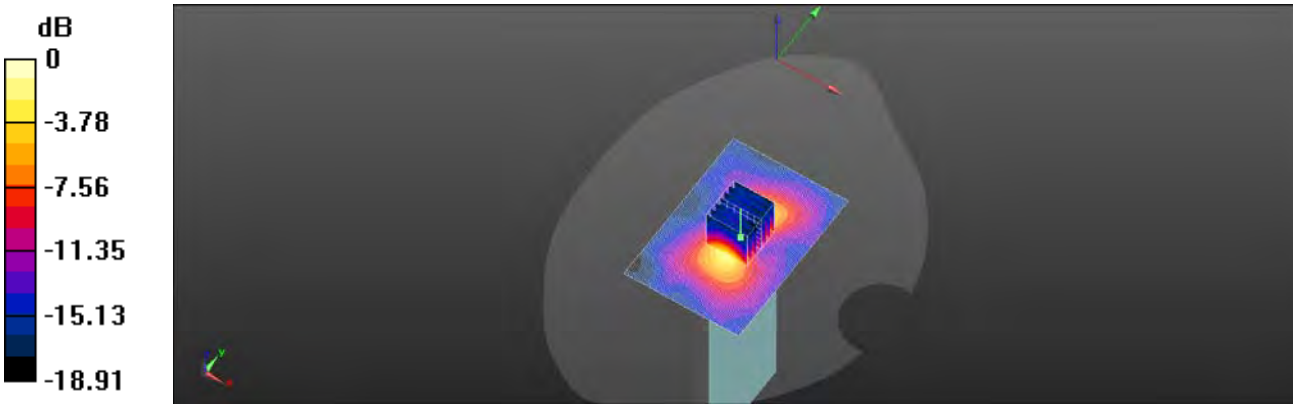
Communication System: LTE Band 38; Frequency: 2610 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2610 MHz; $\sigma$ = 1.954 S/m; $\varepsilon_r$ = 38.597; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.267 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.15 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.372 W/kg
**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.265 W/kg




0 dB = 0.265 W/kg = -5.76 dBW/kg

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Date: 2020/1/8

## LTE Band 41 (20MHz)_Head_Le Cheek_CH 41055_QPSK_1-50

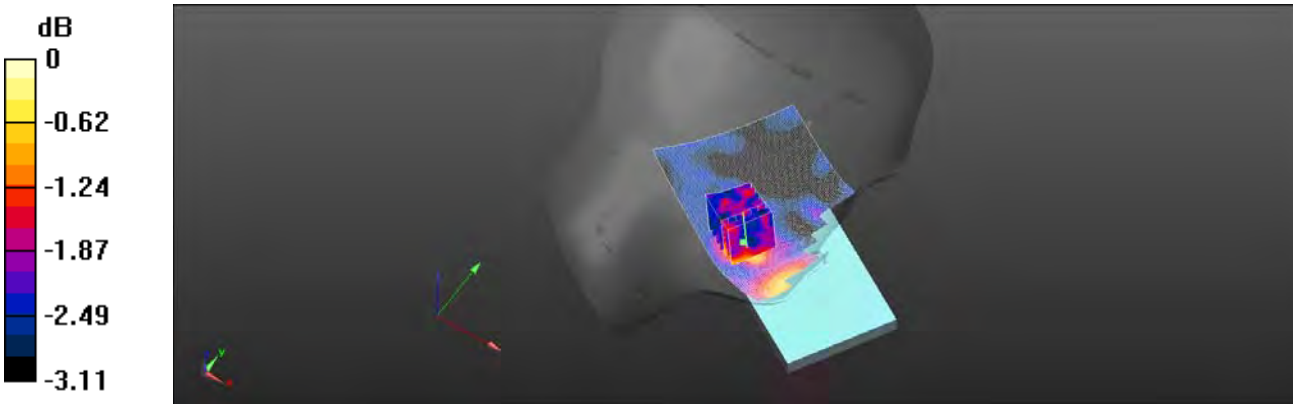
Communication System: LTE Band 41; Frequency: 2636.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2636.5 MHz; $\sigma$ = 1.984 S/m; $\varepsilon_r$ = 38.565; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (81x151x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0510 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.003 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0590 W/kg
**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.035 W/kg**
Maximum value of SAR (measured) = 0.0488 W/kg




0 dB = 0.0488 W/kg = -13.12 dBW/kg

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Date: 2020/1/9

## LTE Band 41 (20MHz)_Hotspot_Bottom side_CH 41055_QPSK_1-50_10mm

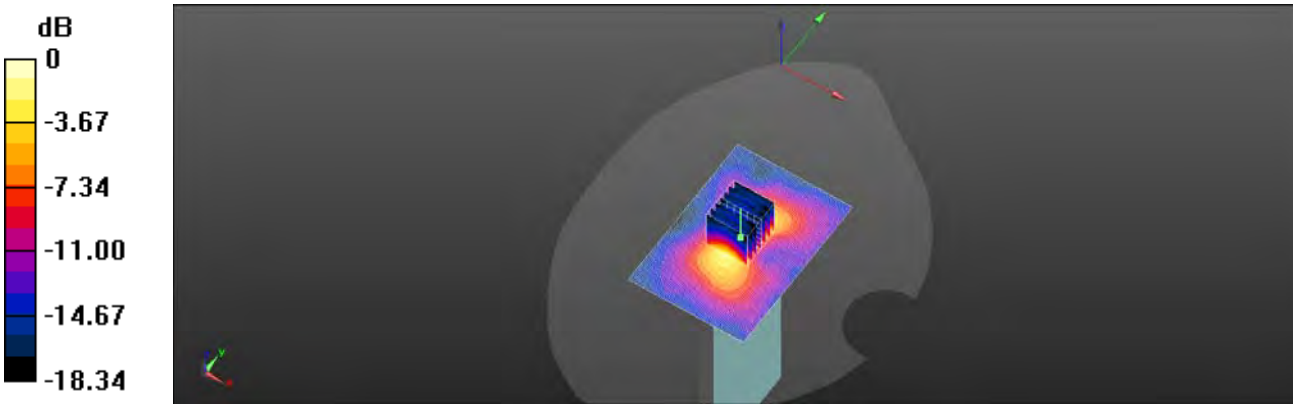
Communication System: LTE Band 41; Frequency: 2636.5 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2636.5 MHz; $\sigma$ = 1.985 S/m; $\varepsilon_r$ = 38.562; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.231 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.240 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.361 W/kg
**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.069 W/kg**
Maximum value of SAR (measured) = 0.255 W/kg




0 dB = 0.255 W/kg = -5.94 dBW/kg

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Date: 2020/1/10

## WLAN 802.11b_Head_Le Cheek_CH 6_ANT0

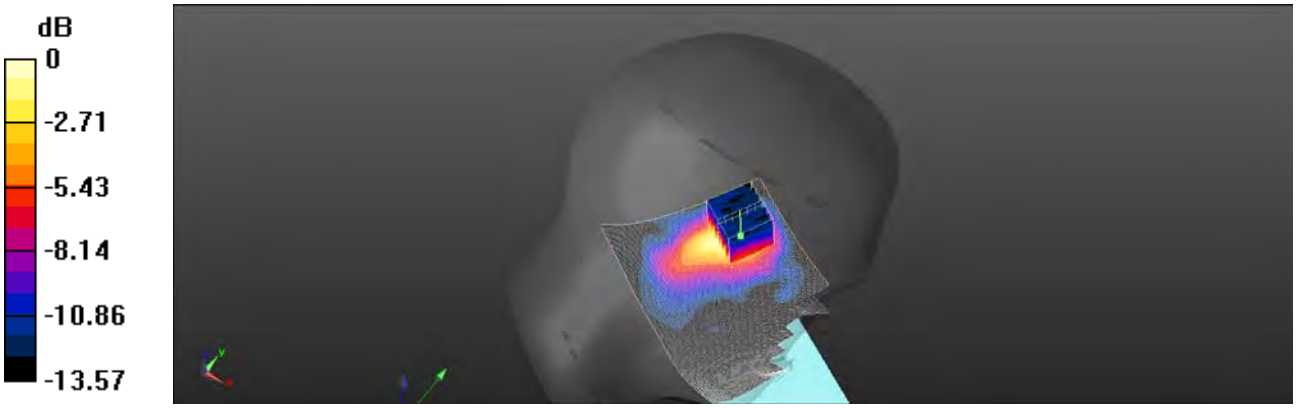
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; $\sigma$ = 1.771 S/m; $\varepsilon_r$ = 38.857; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x161x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.393 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.675 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.486 W/kg
**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.106 W/kg**
Maximum value of SAR (measured) = 0.318 W/kg




0 dB = 0.318 W/kg = -4.97 dBW/kg

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Date: 2020/1/10

## WLAN 802.11b_Hotspot_Back side_CH 6_10mm_ANT0

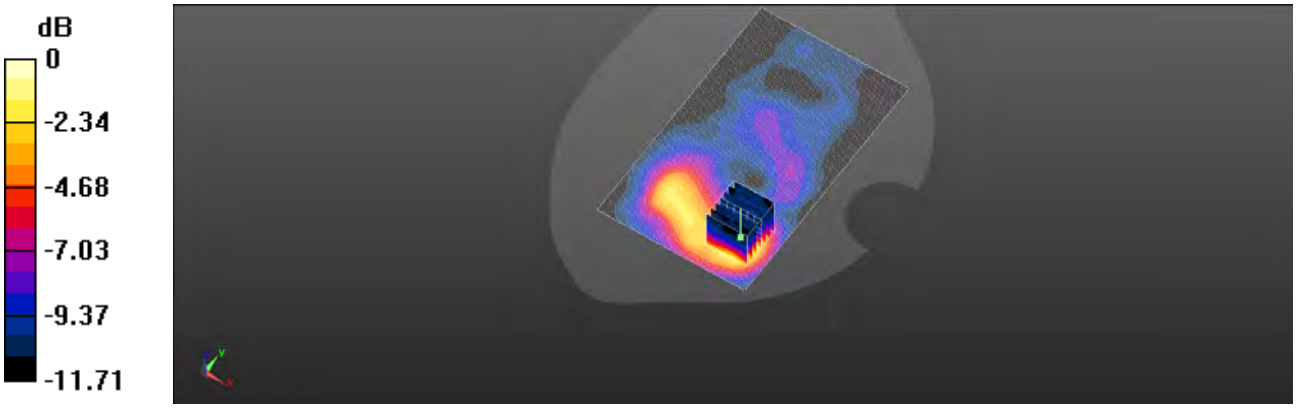
Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; $\sigma$ = 1.771 S/m; $\varepsilon_r$ = 38.857; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x151x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0679 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.170 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0920 W/kg
**SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.024 W/kg**
Maximum value of SAR (measured) = 0.0691 W/kg




0 dB = 0.0691 W/kg = -11.60 dBW/kg

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Date: 2020/1/10

## Bluetooth(GFSK)_Head_Le Cheek_CH 39_ANT0

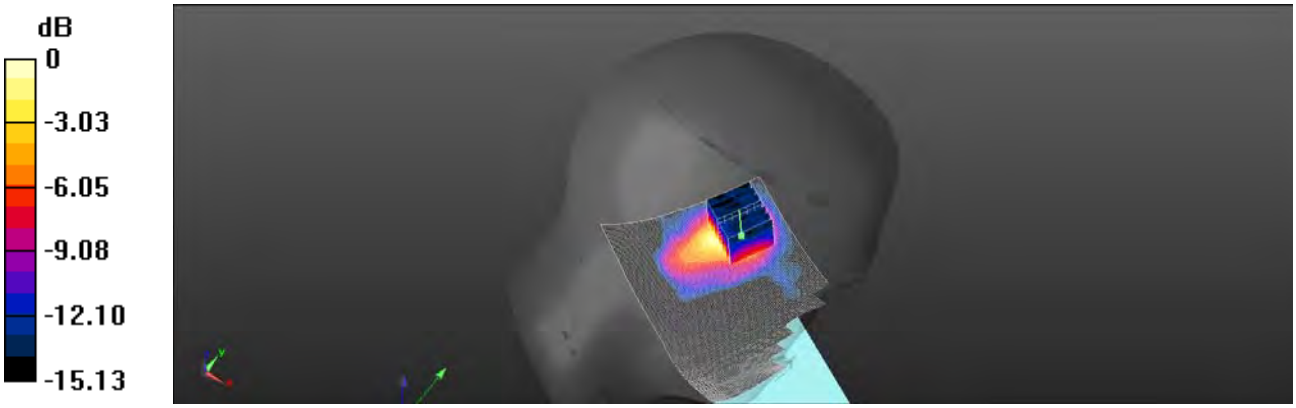
Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.774 S/m; $\varepsilon_r$ = 38.843; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x161x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.283 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.213 W/kg
**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.043 W/kg**
Maximum value of SAR (measured) = 0.143 W/kg




0 dB = 0.143 W/kg = -8.44 dBW/kg

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Date: 2020/1/10

## Bluetooth(GFSK)_Body-worn_Back side_CH 39_10mm_ANT0

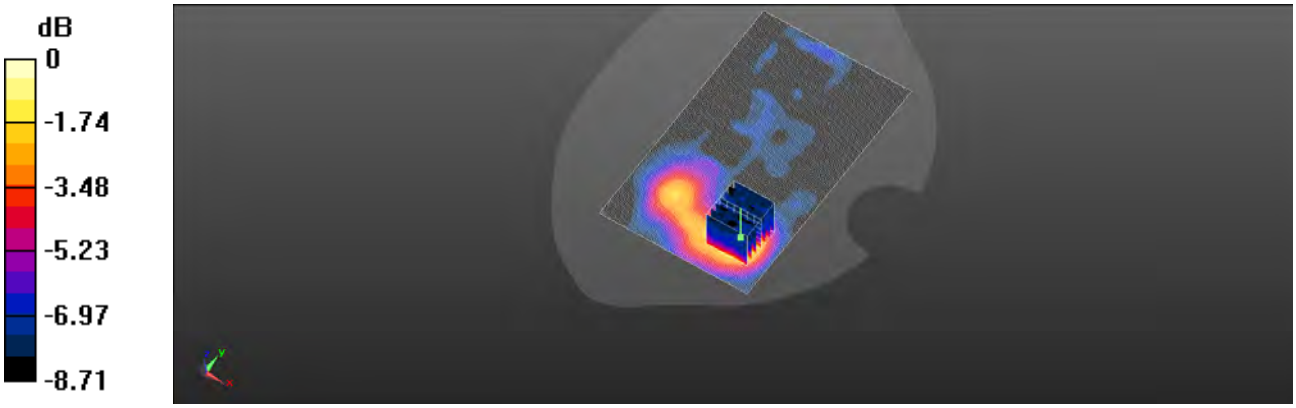
Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.774 S/m; $\varepsilon_r$ = 38.843; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x151x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0319 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.679 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0480 W/kg
**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.013 W/kg**
Maximum value of SAR (measured) = 0.0322 W/kg




0 dB = 0.0322 W/kg = -14.92 dBW/kg

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Date: 2020/1/10

**Bluetooth(GFSK)_product specific 10g-SAR_Back side_CH 39_0mm_ANT0**

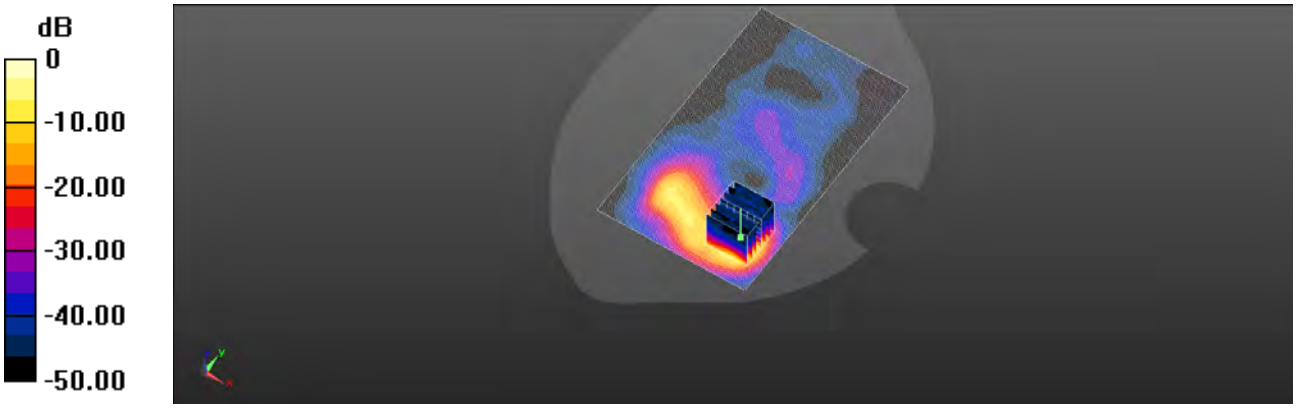
Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2441 MHz; $\sigma$ = 1.774 S/m; $\varepsilon_r$ = 38.843; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x161x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0404 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.590 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.112 W/kg
**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.013 W/kg**
Maximum value of SAR (measured) = 0.0434 W/kg




0 dB = 0.0434 W/kg = -13.63 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.2G_Head_Le Cheek_CH 42_ANT0

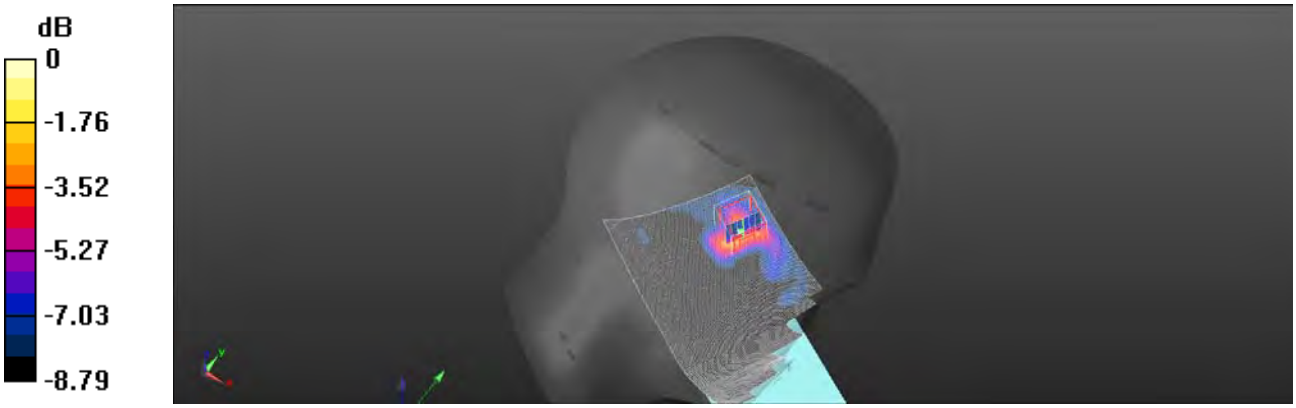
Communication System:WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.643 S/m; $\varepsilon_r$ = 35.618; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x191x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.216 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.957 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.43 W/kg
**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.094 W/kg**
Maximum value of SAR (measured) = 0.364 W/kg




0 dB = 0.364 W/kg = -4.38 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.2G_Body-worn_Back side_CH 42_10mm_ANT0

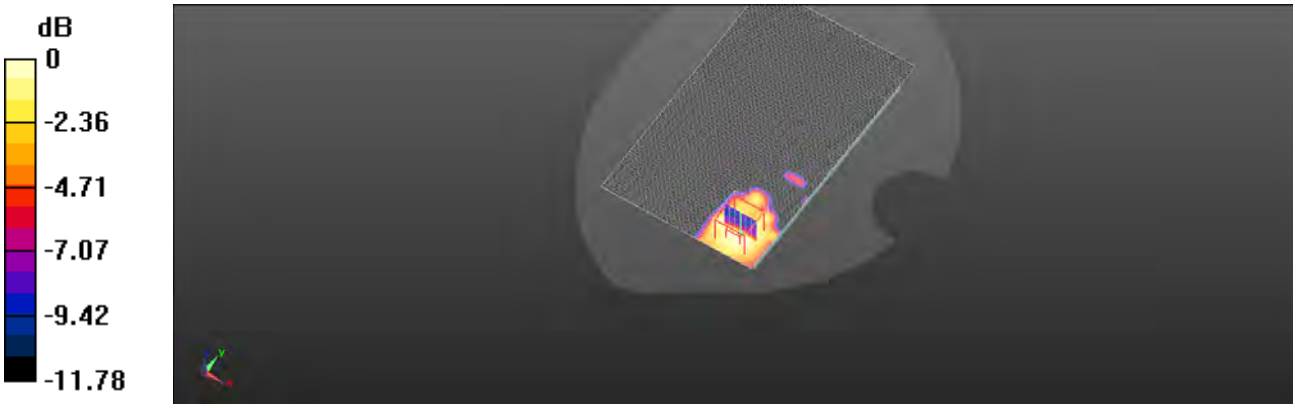
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.644 S/m; $\varepsilon_r$ = 35.614; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0554 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.624 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.147 W/kg
**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00973 W/kg**
Maximum value of SAR (measured) = 0.0551 W/kg




0 dB = 0.0551 W/kg = -12.59 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.2G_product specific 10g-SAR_Front side_CH 42_0mm_ANT0

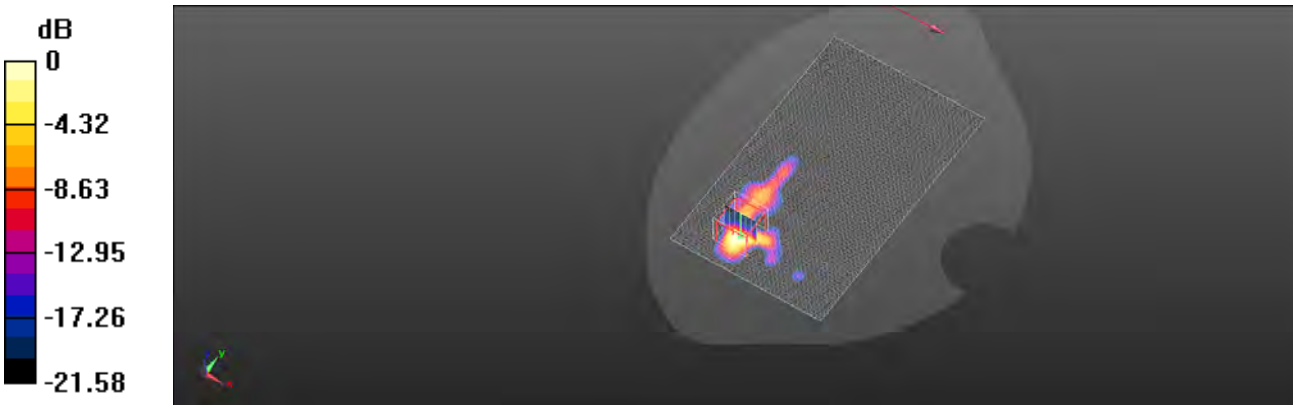
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.644 S/m; $\varepsilon_r$ = 35.614; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.056 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.57 W/kg
**SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.109 W/kg**
Maximum value of SAR (measured) = 0.871 W/kg




0 dB = 0.871 W/kg = -0.60 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.3G_Head_Le Cheek_CH 58_ANT0

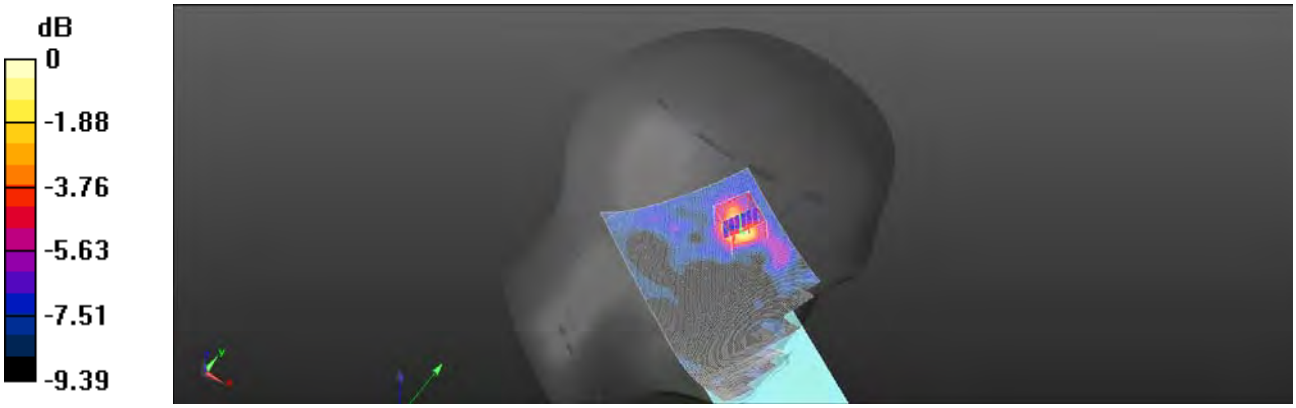
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.721 S/m; $\varepsilon_r$ = 35.524; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x191x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.974 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.565 W/kg
**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.084 W/kg**
Maximum value of SAR (measured) = 0.303 W/kg




0 dB = 0.303 W/kg = -5.18 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.3G_Body-worn_Back side_CH 58_10mm_ANT0

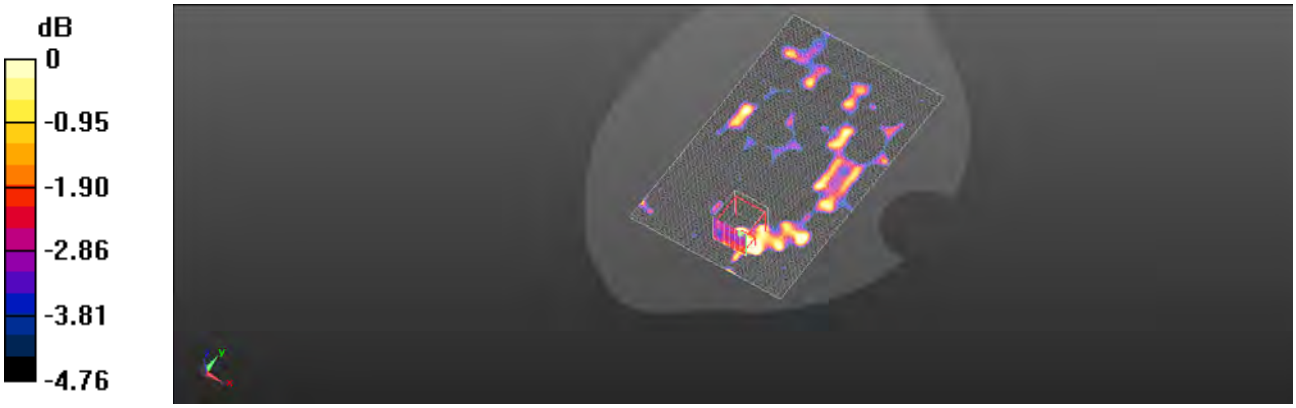
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.724 S/m; $\varepsilon_r$ = 35.518; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.224 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.040 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.197 W/kg
**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.056 W/kg**
Maximum value of SAR (measured) = 0.103 W/kg




0 dB = 0.103 W/kg = -9.87 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.3G_product specific 10g-SAR_Front side_CH 58_0mm_ANT0

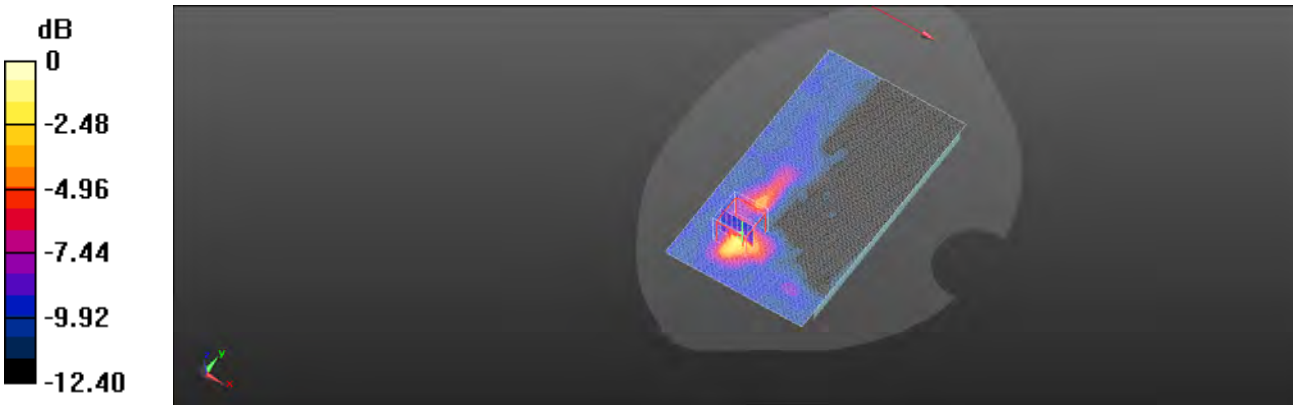
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.724 S/m; $\varepsilon_r$ = 35.518; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.553 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.386 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.67 W/kg
**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.173 W/kg**
Maximum value of SAR (measured) = 0.776 W/kg




0 dB = 0.776 W/kg = -1.10 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.6G_Head_Le Cheek_CH 138_ANT0

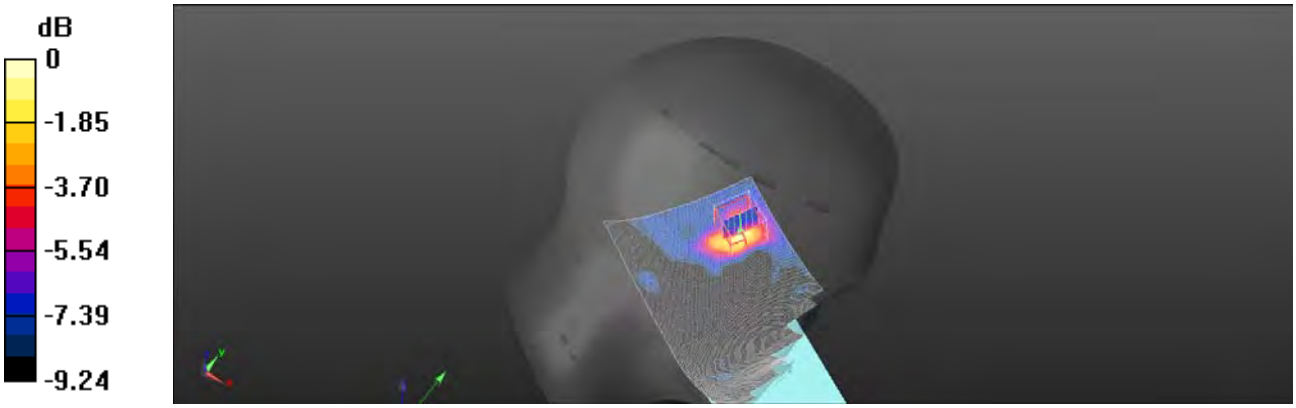
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.129 S/m; $\varepsilon_r$ = 35.082; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x191x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.367 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.685 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.703 W/kg
**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.117 W/kg**
Maximum value of SAR (measured) = 0.412 W/kg




0 dB = 0.412 W/kg = -3.86 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.6G_Body-worn_Back side_CH 138_10mm_ANT0

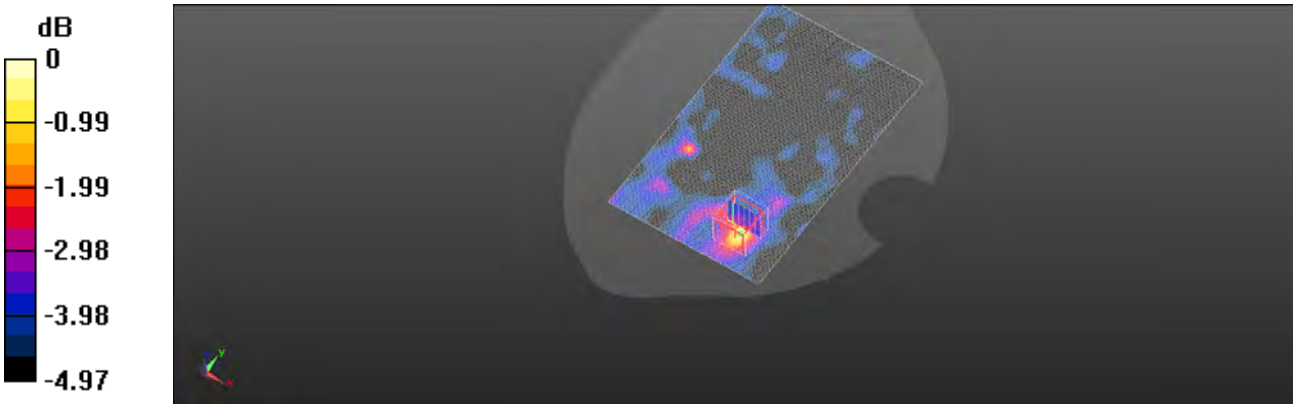
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.131 S/m; $\varepsilon_r$ = 35.073; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.136 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.822 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.316 W/kg
**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.079 W/kg**
Maximum value of SAR (measured) = 0.159 W/kg




0 dB = 0.159 W/kg = -8.00 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.6G_product specific 10g-SAR_Front side_CH 138_0mm_ANT0

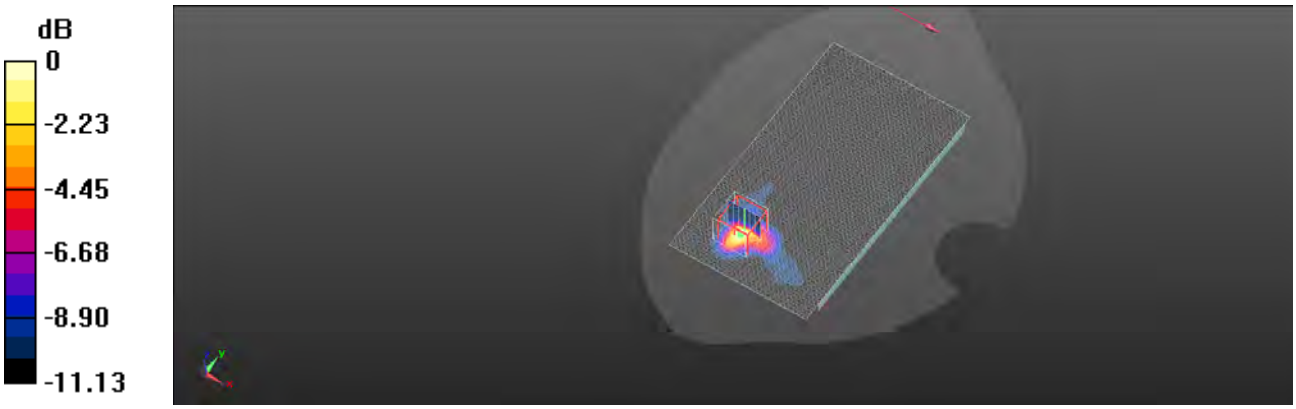
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.131 S/m; $\varepsilon_r$ = 35.073; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.11 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.579 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 4.45 W/kg
**SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.230 W/kg**
Maximum value of SAR (measured) = 1.18 W/kg




0 dB = 1.18 W/kg = 0.72 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.8G_Head_Le Cheek_CH 155_ANT0

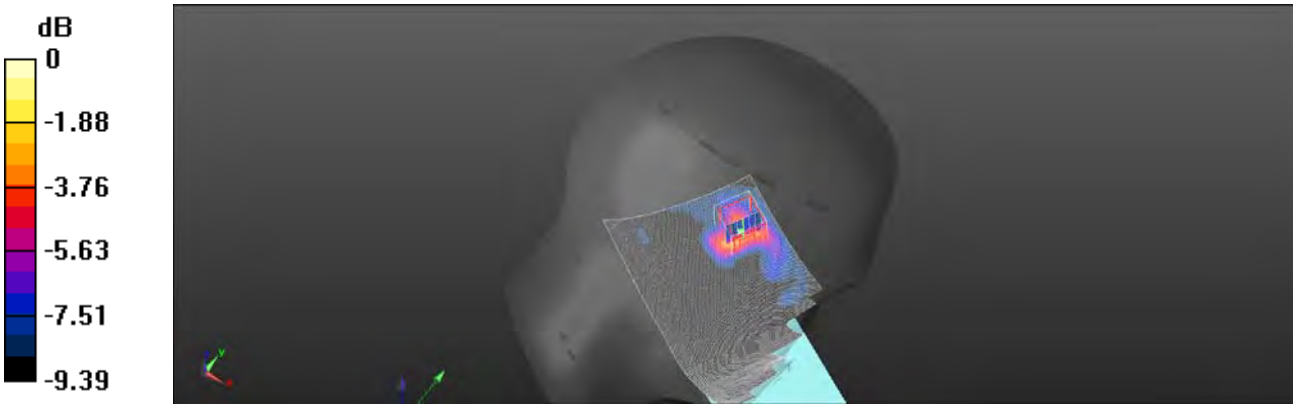
Communication System: WLAN 5G Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.217 S/m; $\varepsilon_r$ = 34.979; $\rho$ = 1000 kg/m$^3$
Phantom section: Left Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x171x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.366 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.243 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.827 W/kg
**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.100 W/kg**
Maximum value of SAR (measured) = 0.390 W/kg




0 dB = 0.390 W/kg = -4.08 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.8G_Body-worn_Back side_CH 155_10mm_ANT0

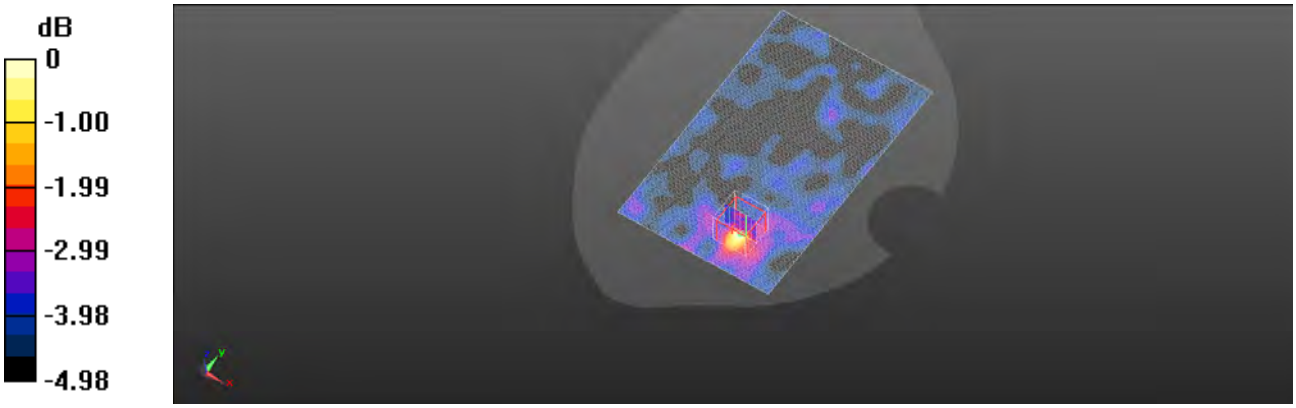
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.222 S/m; $\varepsilon_r$ = 34.972; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.351 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.344 W/kg
**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.072 W/kg**
Maximum value of SAR (measured) = 0.144 W/kg




0 dB = 0.144 W/kg = -8.42 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.8G_product specific 10g-SAR_Front side_CH 155_0mm_ANT0

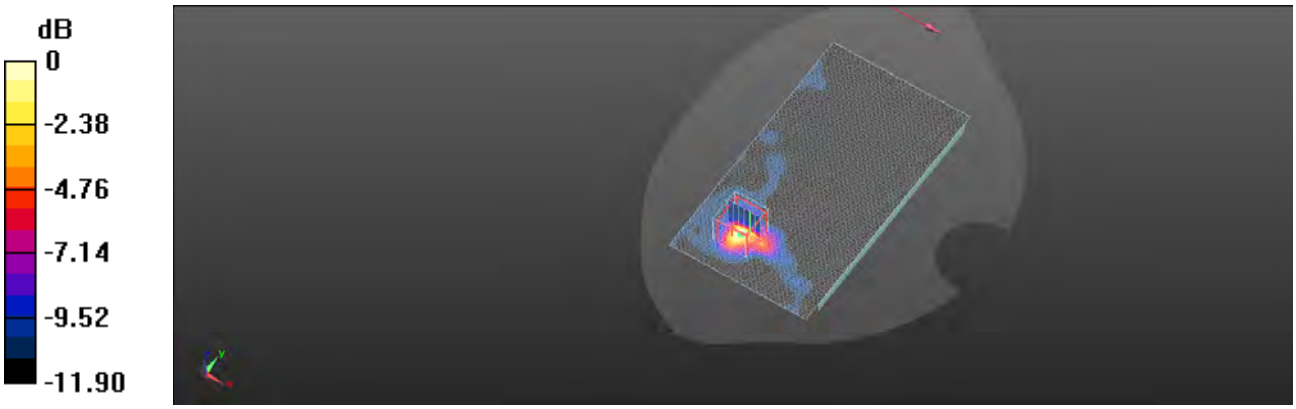
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.222 S/m; $\varepsilon_r$ = 34.972; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.555 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.39 W/kg
**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.207 W/kg**
Maximum value of SAR (measured) = 1.13 W/kg




0 dB = 1.13 W/kg = 0.54 dBW/kg

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Date: 2020/1/10

## WLAN 802.11b_Head_Re Cheek_CH 11_ANT1

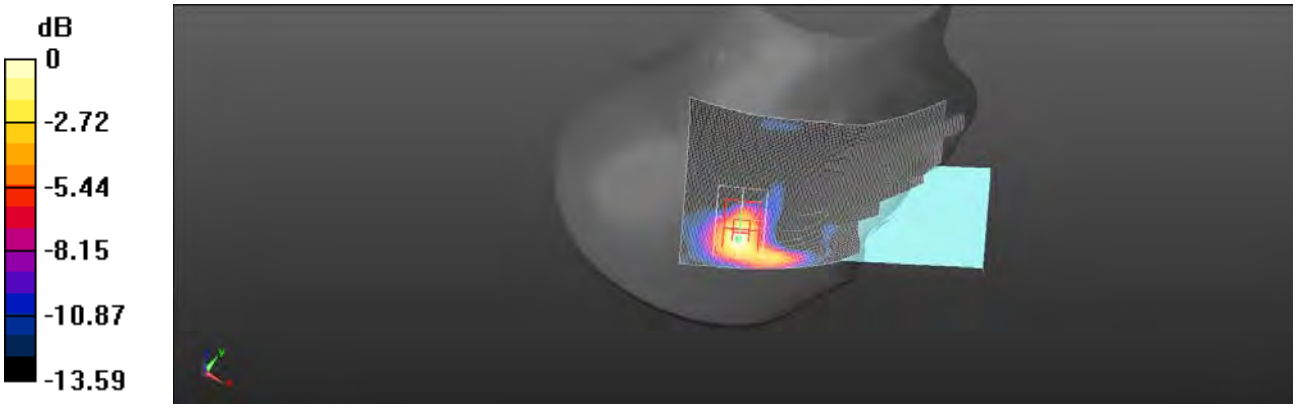
Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.794 S/m; $\varepsilon_r$ = 38.767; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (91x161x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0998 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.497 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.142 W/kg
**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.031 W/kg**
Maximum value of SAR (measured) = 0.101 W/kg




0 dB = 0.101 W/kg = -9.97 dBW/kg

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Date: 2020/1/10

## WLAN 802.11b_Hotspot_Back side_CH 11_10mm_ANT1

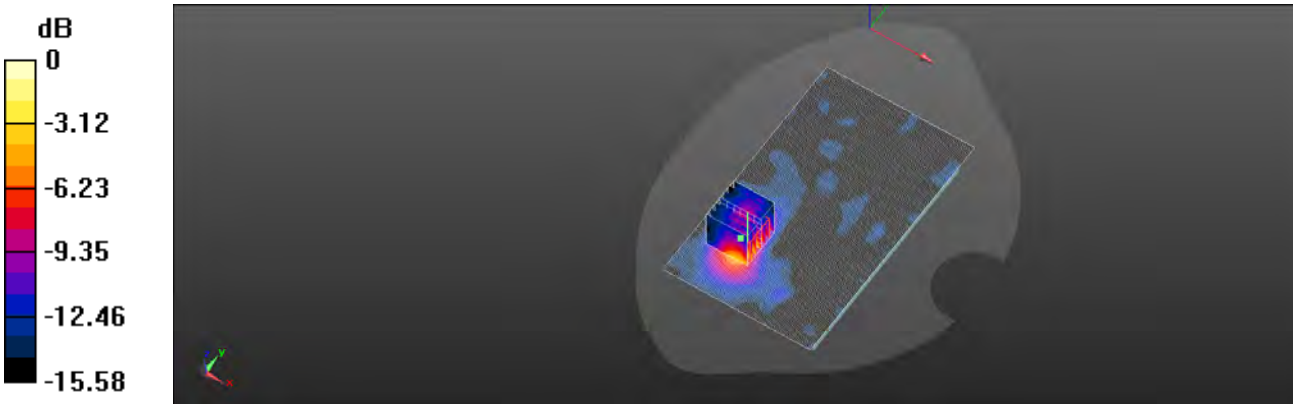
Communication System: WLAN 2.45G; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; $\sigma$ = 1.794 S/m; $\varepsilon_r$ = 38.767; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Maximum value of SAR (interpolated) = 0.109 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.515 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.241 W/kg
**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.061 W/kg**
Maximum value of SAR (measured) = 0.188 W/kg




0 dB = 0.188 W/kg = -7.26 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.2G_Head_Re Cheek_CH 42_ANT1

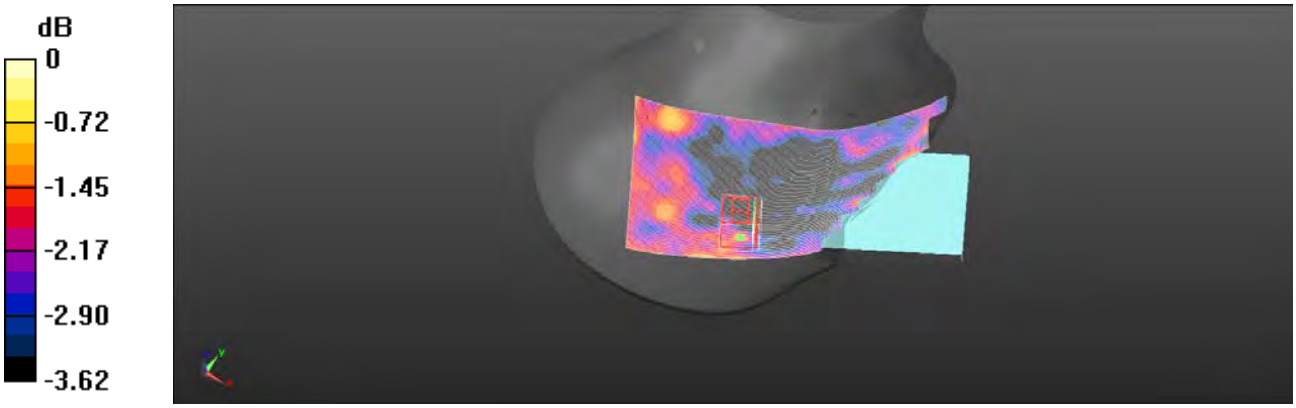
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.643 S/m; $\varepsilon_r$ = 35.618; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x211x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0757 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.261 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.159 W/kg
**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.0935 W/kg




0 dB = 0.0935 W/kg = -10.29 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.2G_Body-worn_Back side_CH 42_10mm_ANT1

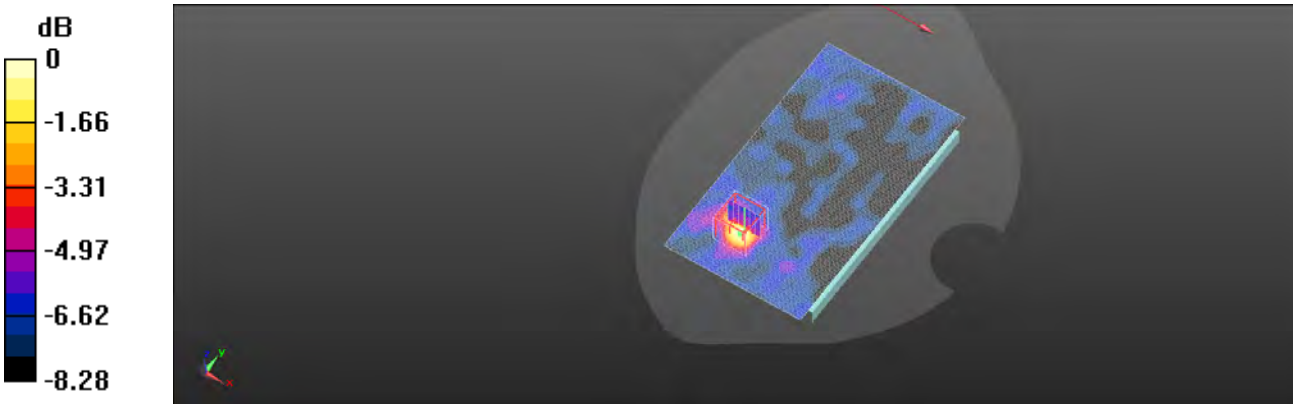
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.644 S/m; $\varepsilon_r$ = 35.614; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.181 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.660 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.330 W/kg
**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.060 W/kg**
Maximum value of SAR (measured) = 0.192 W/kg




0 dB = 0.192 W/kg = -7.16 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.2G_product specific 10g-SAR_Back side_CH 42_0mm_ANT1

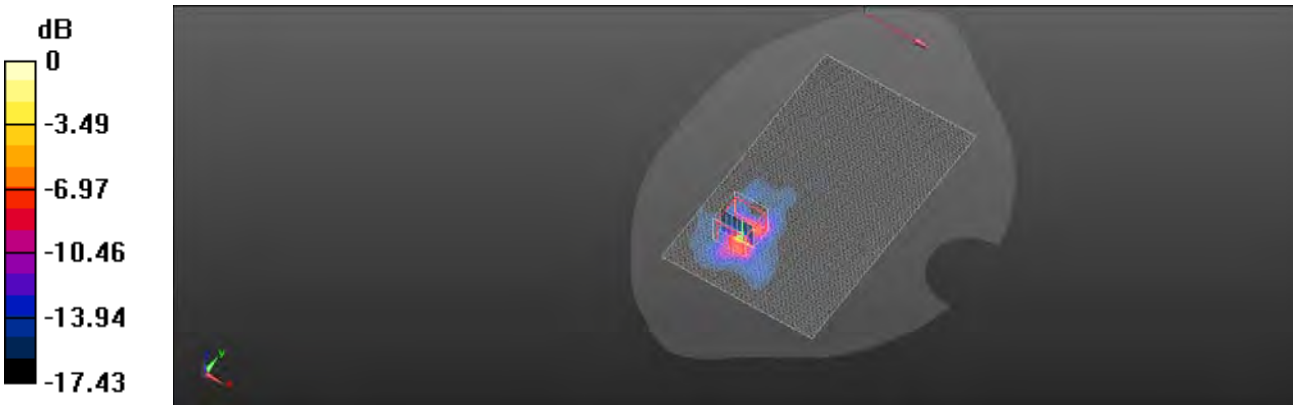
Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; $\sigma$ = 4.644 S/m; $\varepsilon_r$ = 35.614; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (111x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.795 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.713 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.42 W/kg
**SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.226 W/kg**
Maximum value of SAR (measured) = 2.63 W/kg




0 dB = 2.63 W/kg = 4.21 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.3G_Head_Re Cheek_CH 58_ANT1

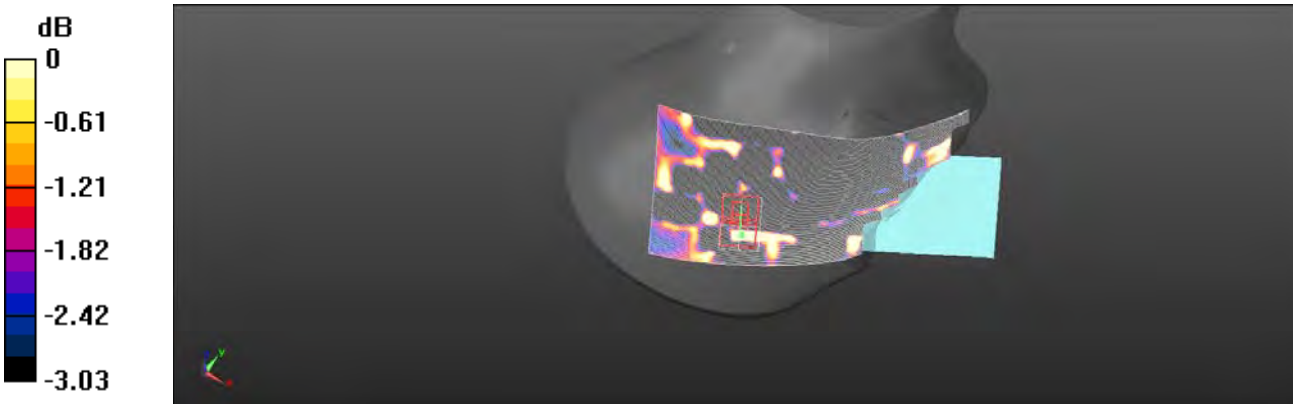
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.721 S/m; $\varepsilon_r$ = 35.524; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x211x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.249 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.367 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.217 W/kg
**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.078 W/kg**
Maximum value of SAR (measured) = 0.0971 W/kg




0 dB = 0.0971 W/kg = -10.13 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.3G_Body-worn_Back side_CH 58_10mm_ANT1

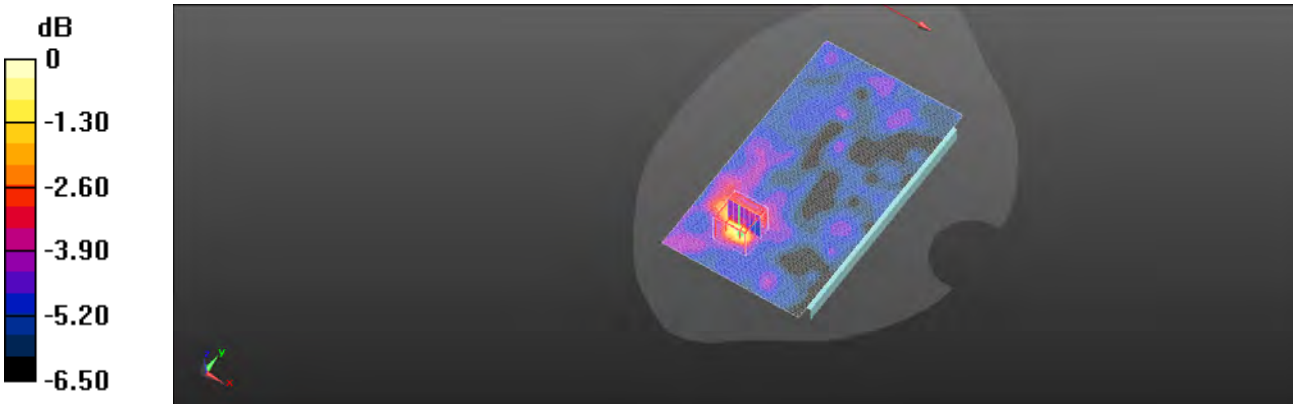
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.724 S/m; $\varepsilon_r$ = 35.518; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.971 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.254 W/kg
**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.063 W/kg**
Maximum value of SAR (measured) = 0.150 W/kg




0 dB = 0.150 W/kg = -8.24 dBW/kg

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Date: 2020/1/12

## WLAN 802.11ac(80M) 5.3G_product specific 10g-SAR_Back side_CH 58_0mm_ANT1

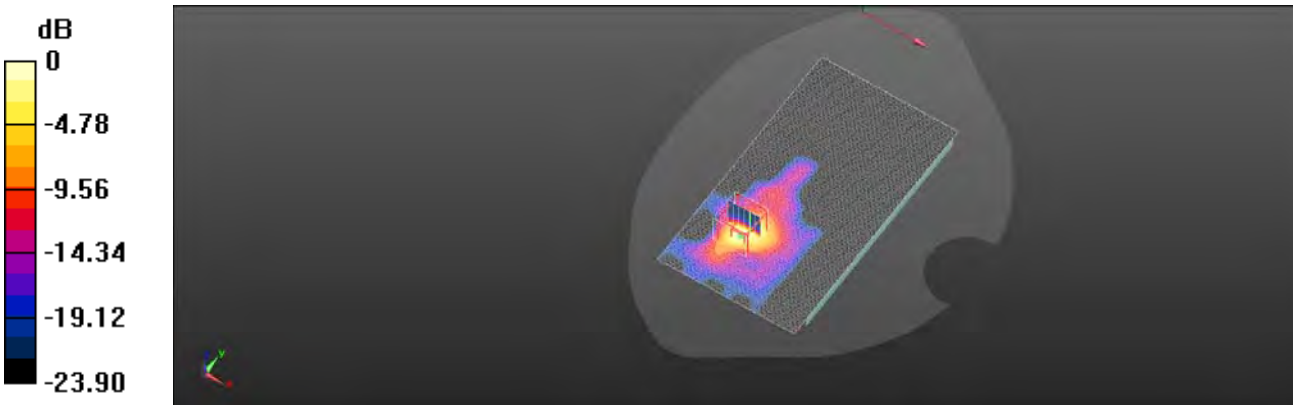
Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; $\sigma$ = 4.724 S/m; $\varepsilon_r$ = 35.518; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.909 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.7150 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.90 W/kg
**SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.133 W/kg**
Maximum value of SAR (measured) = 1.10 W/kg




0 dB = 1.10 W/kg = 0.40 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.6G_Head_Re Cheek_CH 138_ANT1

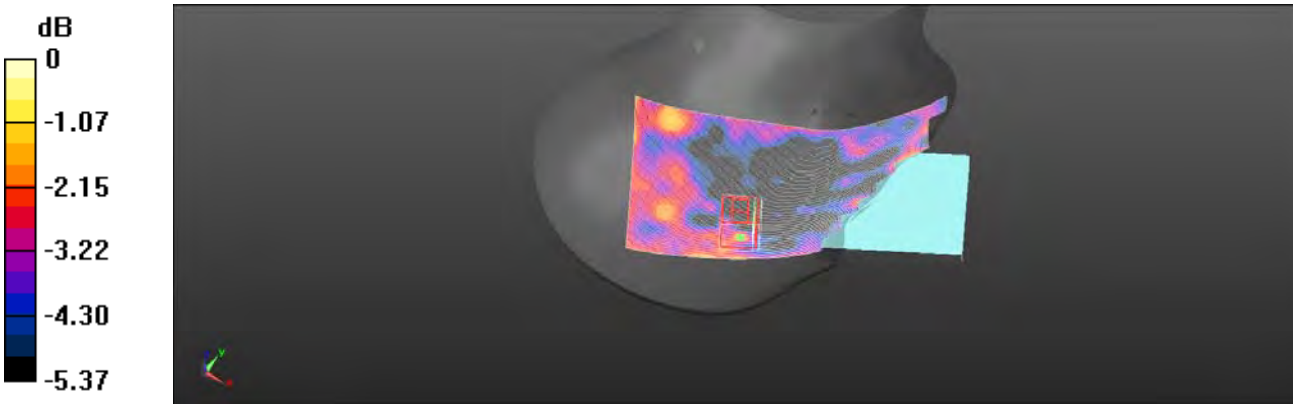
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.129 S/m; $\varepsilon_r$ = 35.082; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x171x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0728 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.359 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.127 W/kg
**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.081 W/kg**
Maximum value of SAR (measured) = 0.108 W/kg




0 dB = 0.108 W/kg = -9.68 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.6G_Body-worn_Back side_CH 138_10mm_ANT1

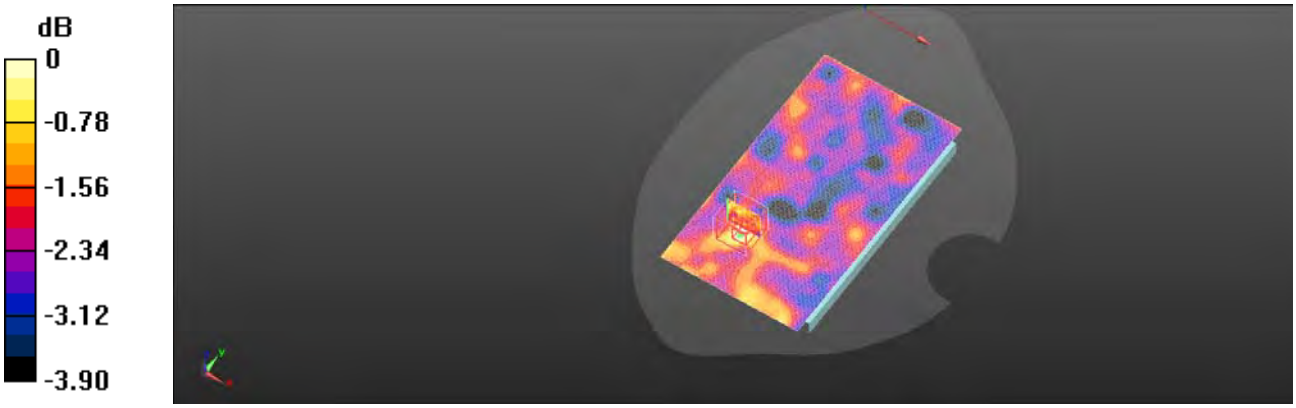
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.131 S/m; $\varepsilon_r$ = 35.073; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0815 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.780 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.117 W/kg
**SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.057 W/kg**
Maximum value of SAR (measured) = 0.0789 W/kg




0 dB = 0.0789 W/kg = -11.03 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.6G_product specific 10g-SAR_Back side_CH 138_0mm_ANT1

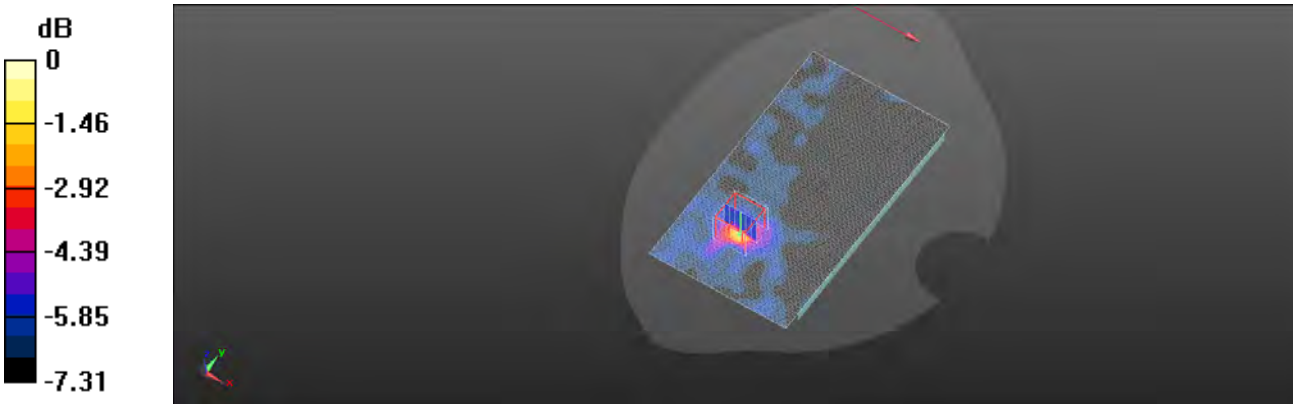
Communication System: WLAN 5G; Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; $\sigma$ = 5.131 S/m; $\varepsilon_r$ = 35.073; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.301 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.018 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.765 W/kg
**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.131 W/kg**
Maximum value of SAR (measured) = 0.405 W/kg




0 dB = 0.405 W/kg = -3.92 dBW/kg

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Date: 2020/1/11

## WLAN 802.11ac(80M) 5.8G_Head_Re Cheek_CH 155_ANT1

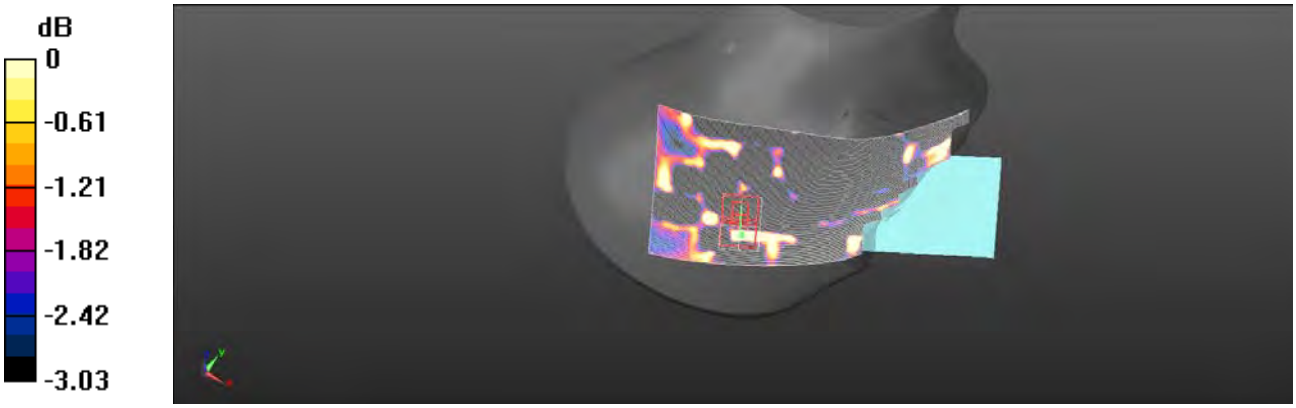
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.217 S/m; $\varepsilon_r$ = 34.979; $\rho$ = 1000 kg/m$^3$
Phantom section: Right Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x211x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.284 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.429 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.247 W/kg
**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.089 W/kg**
Maximum value of SAR (measured) = 0.111 W/kg




0 dB = 0.111 W/kg = -9.56 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.8G_Body-worn_Back side_CH 155_10mm_ANT1

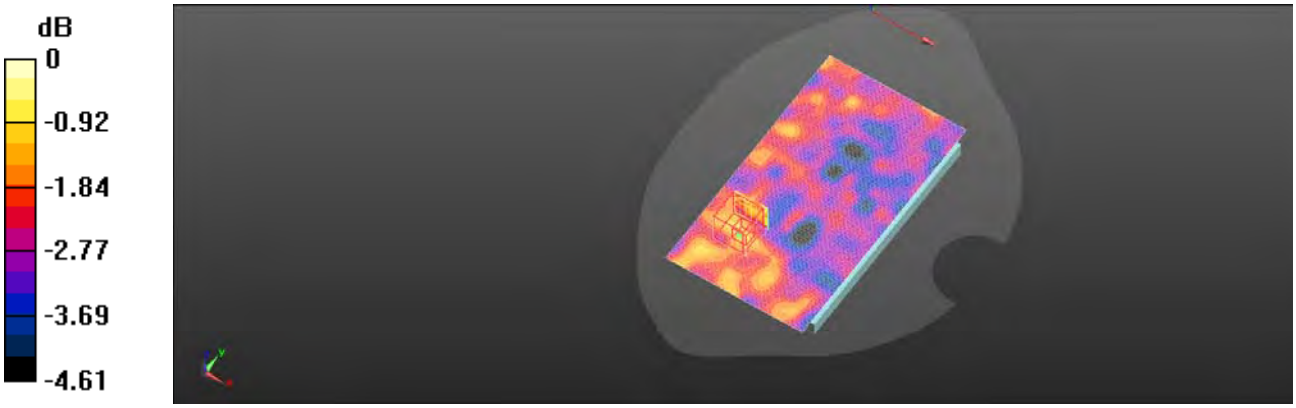
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.222 S/m; $\varepsilon_r$ = 34.972; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.0608 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.950 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0770 W/kg
**SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.053 W/kg**
Maximum value of SAR (measured) = 0.0771 W/kg




0 dB = 0.0771 W/kg = -11.13 dBW/kg

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Date: 2020/1/13

## WLAN 802.11ac(80M) 5.8G_product specific 10g-SAR_Back side_CH 155_0mm_ANT1

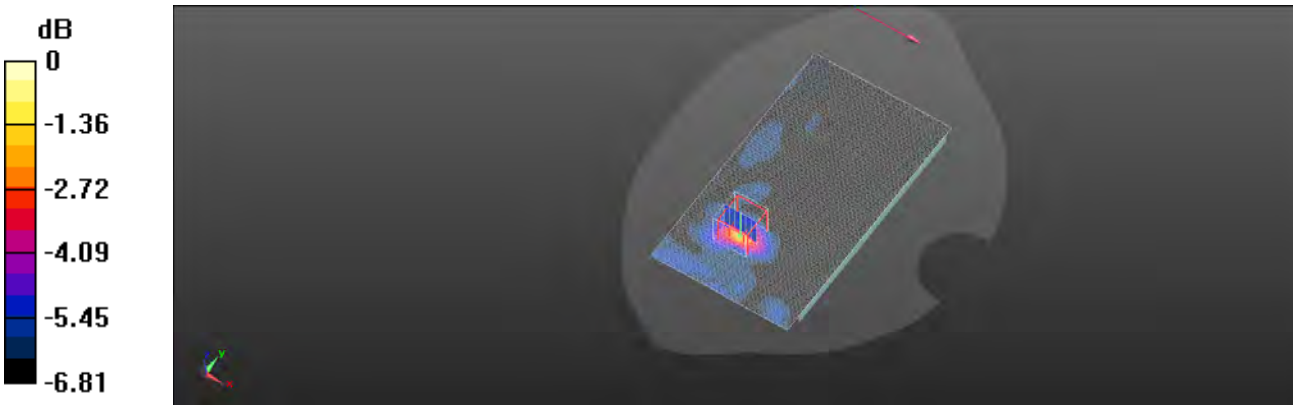
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.222 S/m; $\varepsilon_r$ = 34.972; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (101x181x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.434 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.499 W/kg
**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.112 W/kg**
Maximum value of SAR (measured) = 0.337 W/kg




0 dB = 0.337 W/kg = -4.73 dBW/kg

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# 6. SAR System Performance Verification

Date: 2020/1/3

## Dipole 750 MHz_SN:1015

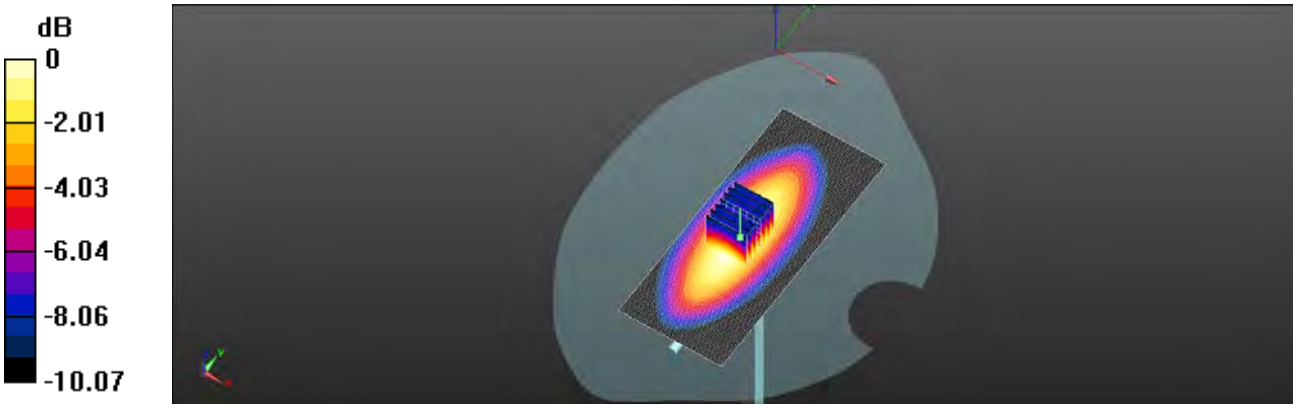
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; $\sigma$ = 0.888 S/m; $\varepsilon_r$ = 41.593; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.45 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.64 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.96 W/kg
**SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.43 W/kg**
Maximum value of SAR (measured) = 2.51 W/kg




0 dB = 2.51 W/kg = 3.92 dBW/kg

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Date: 2020/1/4

## Dipole 750 MHz_SN:1015

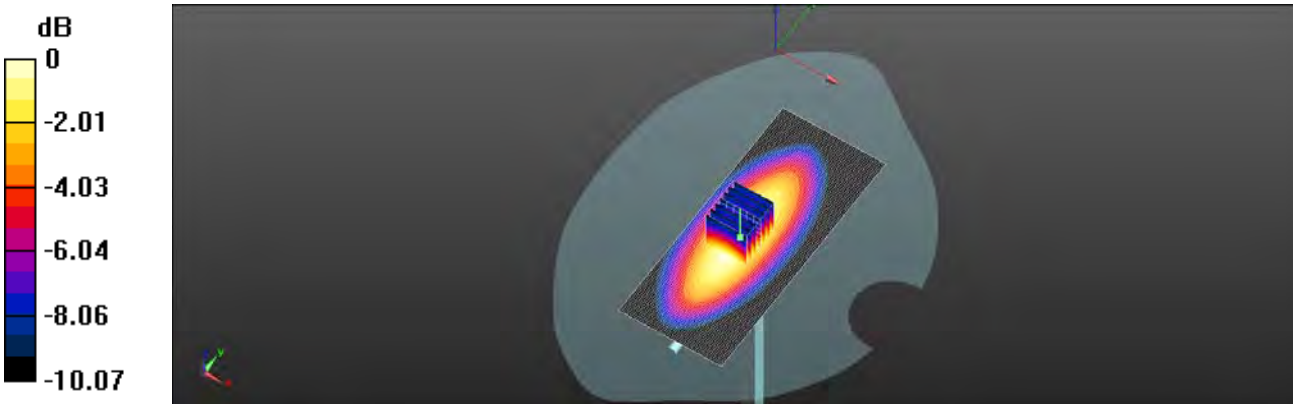
Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; $\sigma$ = 0.889 S/m; $\varepsilon_r$ = 41.599; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.77, 9.77, 9.77); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.48 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.73 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.94 W/kg
**SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.41 W/kg**
Maximum value of SAR (measured) = 2.48 W/kg




0 dB = 2.48 W/kg = 3.94 dBW/kg

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Date: 2020/1/3

## Dipole 835 MHz_SN:4d063

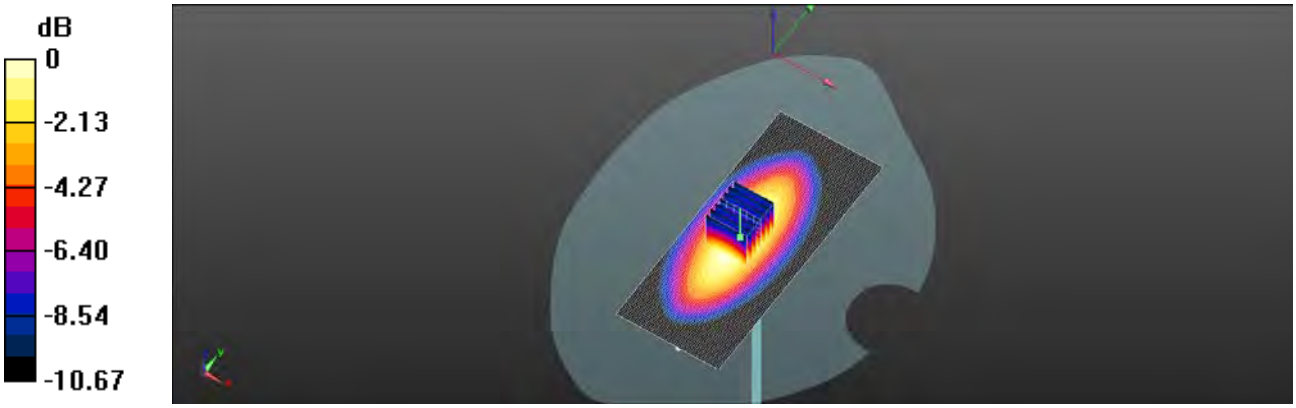
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; $\sigma$ = 0.894 S/m; $\varepsilon_r$ = 41.321; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.94 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.55 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.42 W/kg
**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.55 W/kg**
Maximum value of SAR (measured) = 2.88 W/kg




0 dB = 2.88 W/kg = 4.61 dBW/kg

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Date: 2020/1/5

## Dipole 835 MHz_SN:4d063

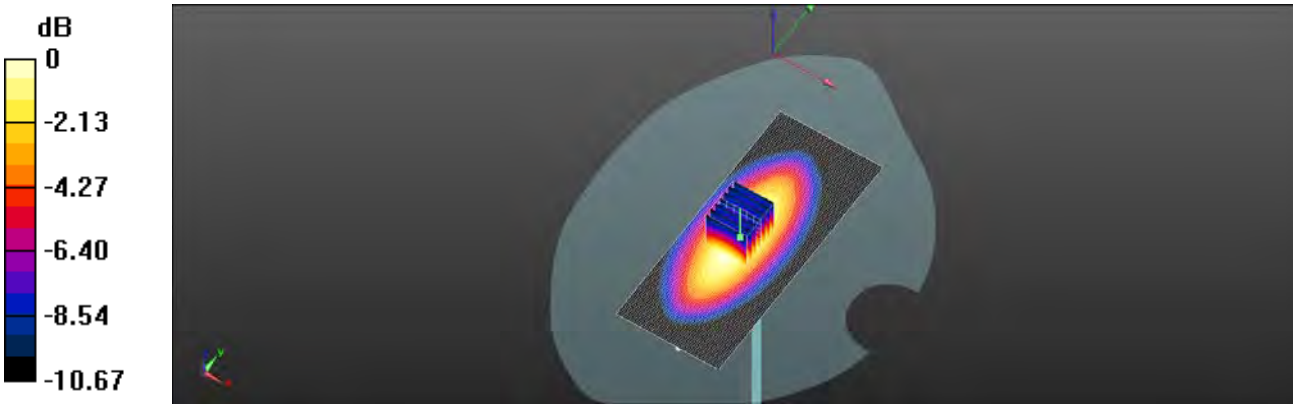
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; $\sigma$ = 0.897 S/m; $\varepsilon_r$ = 41.323; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(9.47, 9.47, 9.47); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x121x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 2.90 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.45 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.39 W/kg
**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.54 W/kg**
Maximum value of SAR (measured) = 2.86 W/kg




0 dB = 2.86 W/kg = 4.57 dBW/kg

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Date: 2020/1/6

## Dipole 1750 MHz_SN:1008

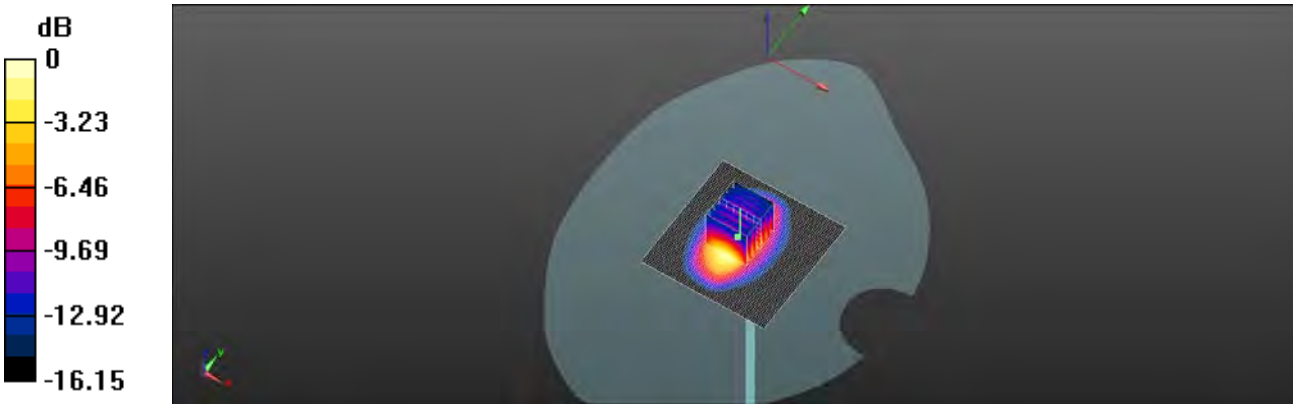
Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; $\sigma$ = 1.382 S/m; $\varepsilon_r$ = 40.269; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.34, 8.34, 8.34); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x61x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 7.95 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.28 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 10.2 W/kg
**SAR(1 g) = 9.18 W/kg; SAR(10 g) = 4.79 W/kg**
Maximum value of SAR (measured) = 8.15 W/kg




0 dB = 8.15 W/kg = 11.09 dBW/kg

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Date: 2020/1/7

## Dipole 1900 MHz_SN:5d173

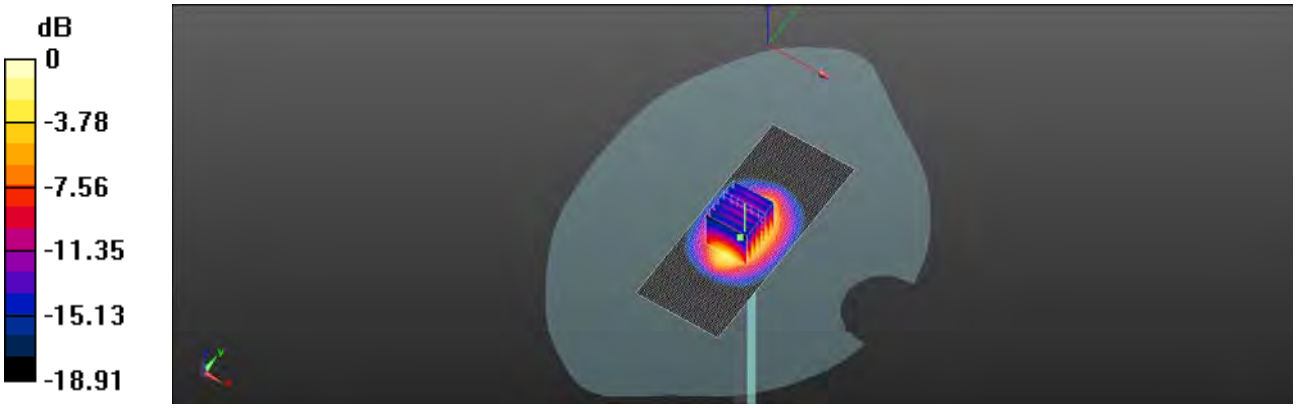
Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.407 S/m; $\varepsilon_r$ = 40.187; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(8.03, 8.03, 8.03); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (41x101x1):** Interpolated grid: dx=15 mm, dy=15 mm
Maximum value of SAR (interpolated) = 15.9 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.5 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 19.9 W/kg
**SAR(1 g) = 9.85 W/kg; SAR(10 g) = 5.17 W/kg**
Maximum value of SAR (measured) = 15.7 W/kg




0 dB = 15.7 W/kg = 11.95 dBW/kg

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Date: 2020/1/10

## Dipole 2450 MHz_SN:727

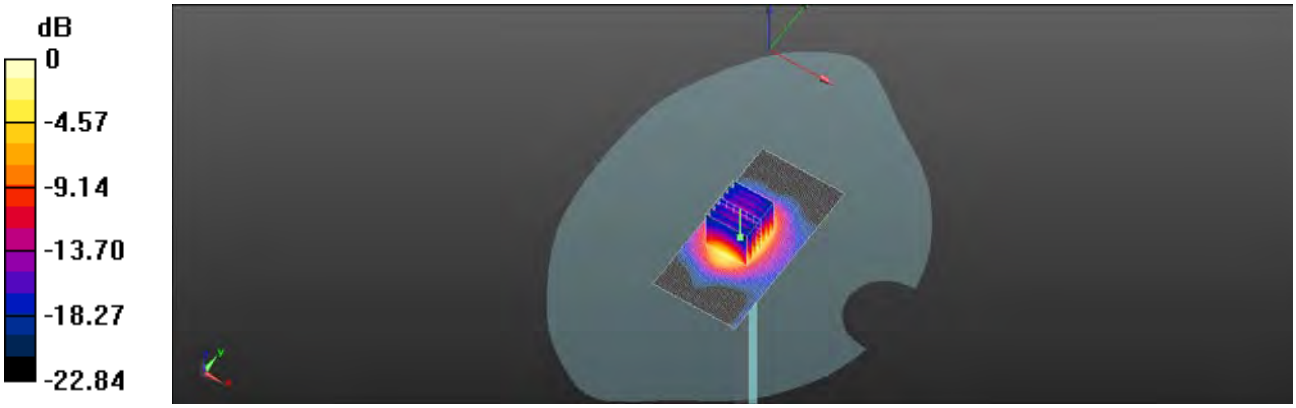
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.782 S/m; $\varepsilon_r$ = 38.788; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.36, 7.36, 7.36); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 16.0 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.77 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 21.4 W/kg
**SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.32 W/kg**
Maximum value of SAR (measured) = 15.3 W/kg




0 dB = 15.3 W/kg = 13.86 dBW/kg

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Date: 2020/1/8

## Dipole 2600 MHz_SN:1005

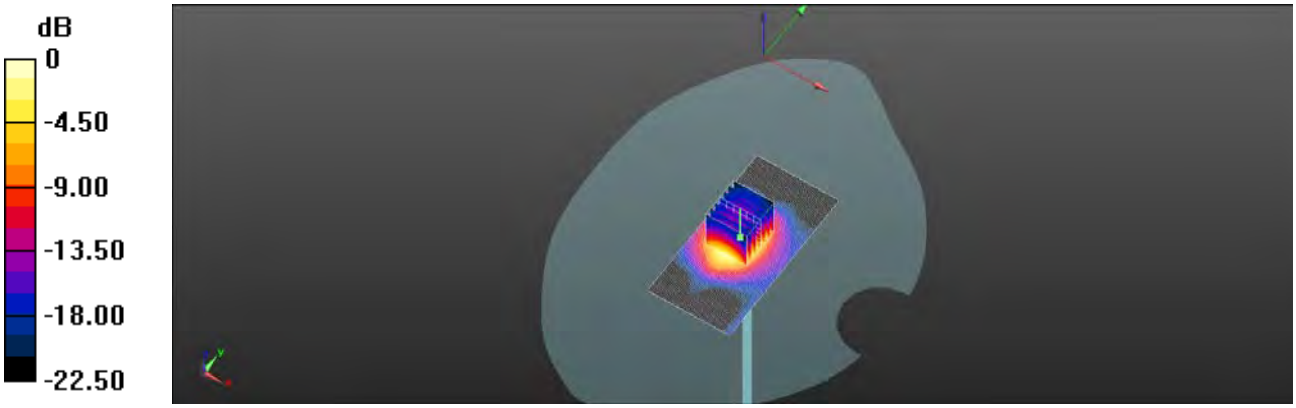
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; $\sigma$ = 1.944 S/m; $\varepsilon_r$ = 38.607; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.4°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 17.8 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.48 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 24.4 W/kg
**SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.22 W/kg**
Maximum value of SAR (measured) = 17.2 W/kg




0 dB = 17.2 W/kg = 14.35 dBW/kg

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Date: 2020/1/9

## Dipole 2600 MHz_SN:1005

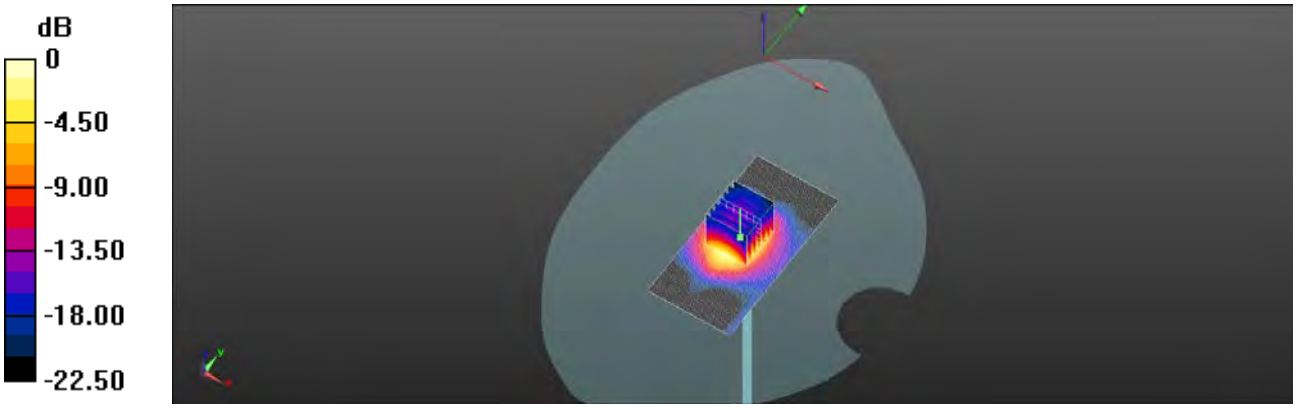
Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; $\sigma$ = 1.941 S/m; $\varepsilon_r$ = 38.604; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (51x101x1):** Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 17.4 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.12 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 24.1 W/kg
**SAR(1 g) = 14 W/kg; SAR(10 g) = 6.17 W/kg**
Maximum value of SAR (measured) = 16.8 W/kg




0 dB = 16.8 W/kg = 13.85 dBW/kg

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Date: 2020/1/11

## Dipole 5200 MHz_SN:1023

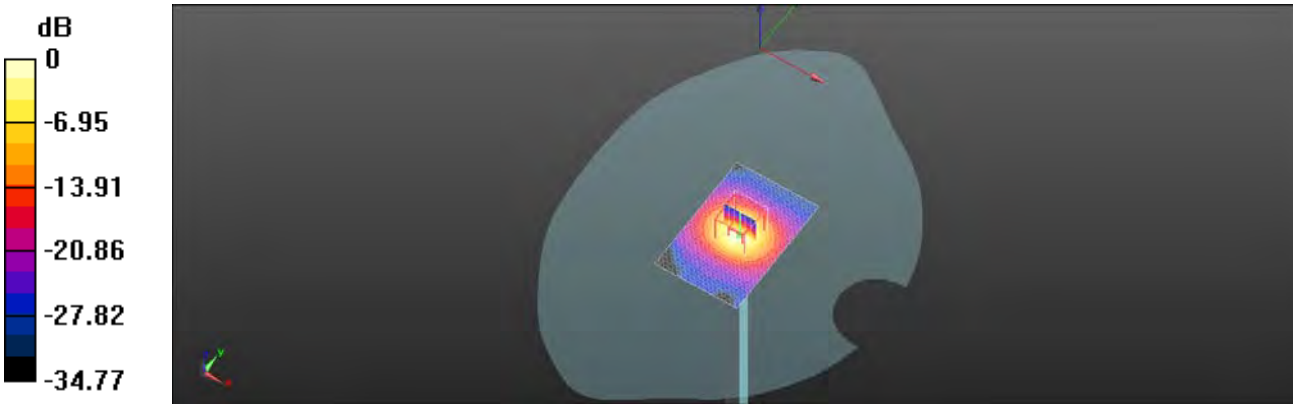
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; $\sigma$ = 4.632 S/m; $\varepsilon_r$ = 35.621; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x91x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 13.4 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 54.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 26.4 W/kg
**SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.22 W/kg**
Maximum value of SAR (measured) = 13.3 W/kg




0 dB = 13.3 W/kg = 11.11 dBW/kg

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Date: 2020/1/12

## Dipole 5200 MHz_SN:1023

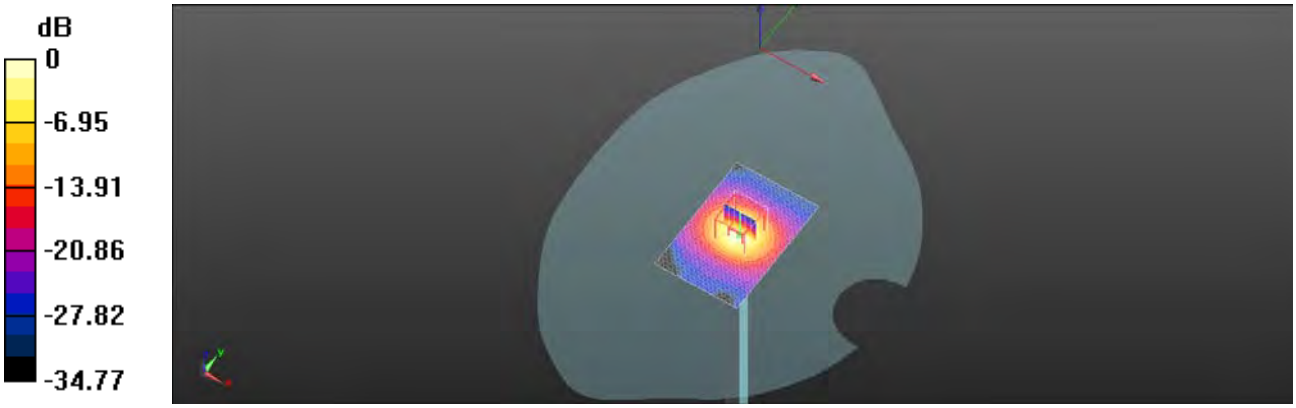
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; $\sigma$ = 4.631 S/m; $\varepsilon_r$ = 35.62; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.28, 5.28, 5.28); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x91x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 13.5 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 54.47 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 26.6 W/kg
**SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.22 W/kg**
Maximum value of SAR (measured) = 13.4 W/kg




0 dB = 13.4 W/kg = 11.26 dBW/kg

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Date: 2020/1/11

## Dipole 5300 MHz_SN:1023

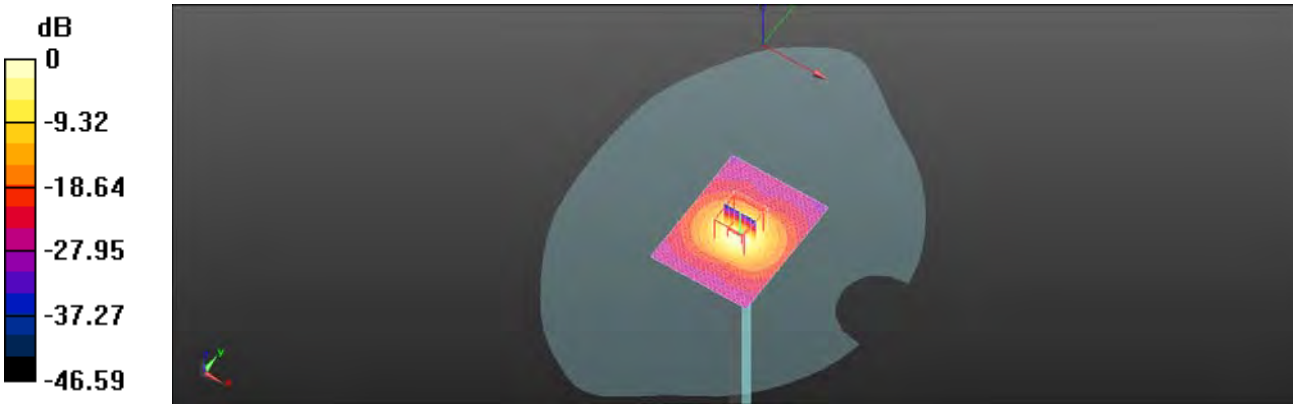
Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 4.733 S/m; $\varepsilon_r$ = 35.502; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x91x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.9 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 59.32 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 32.8 W/kg
**SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.35 W/kg**
Maximum value of SAR (measured) = 15.1 W/kg




0 dB = 15.1 W/kg = 11.75 dBW/kg

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Date: 2020/1/12

## Dipole 5300 MHz_SN:1023

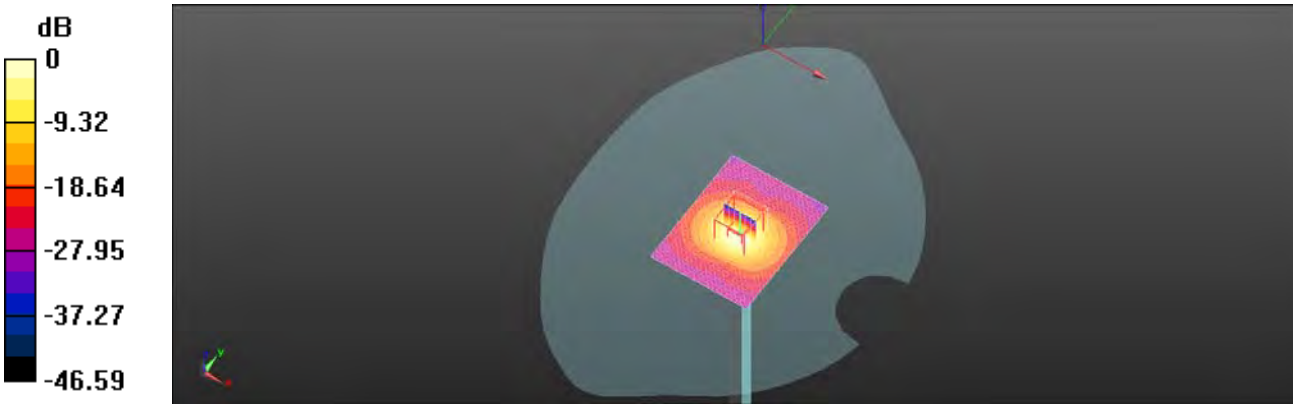
Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; $\sigma$ = 4.731 S/m; $\varepsilon_r$ = 35.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(5.18, 5.18, 5.18); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (71x91x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.7 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.61 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 32.5 W/kg
**SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.32 W/kg**
Maximum value of SAR (measured) = 15.0 W/kg




0 dB = 15.0 W/kg = 11.75 dBW/kg

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Date: 2020/1/11

## Dipole 5600 MHz_SN:1023

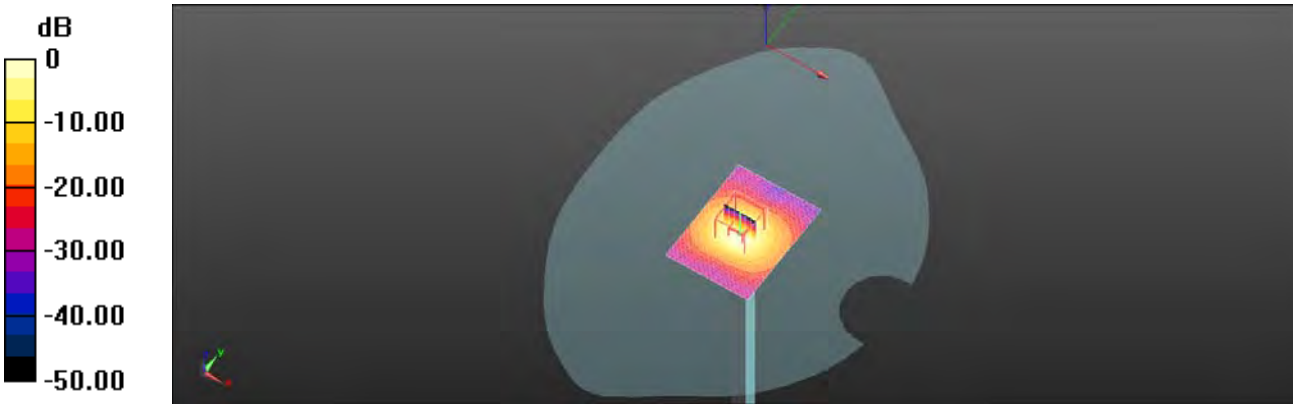
Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.04 S/m; $\varepsilon_r$ = 35.18; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.3°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x81x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 17.0 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.66 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 38.8 W/kg
**SAR(1 g) = 8.62 W/kg; SAR(10 g) = 2.47 W/kg**
Maximum value of SAR (measured) = 17.2 W/kg




0 dB = 17.2 W/kg = 12.35 dBW/kg

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Date: 2020/1/13

## Dipole 5600 MHz_SN:1023

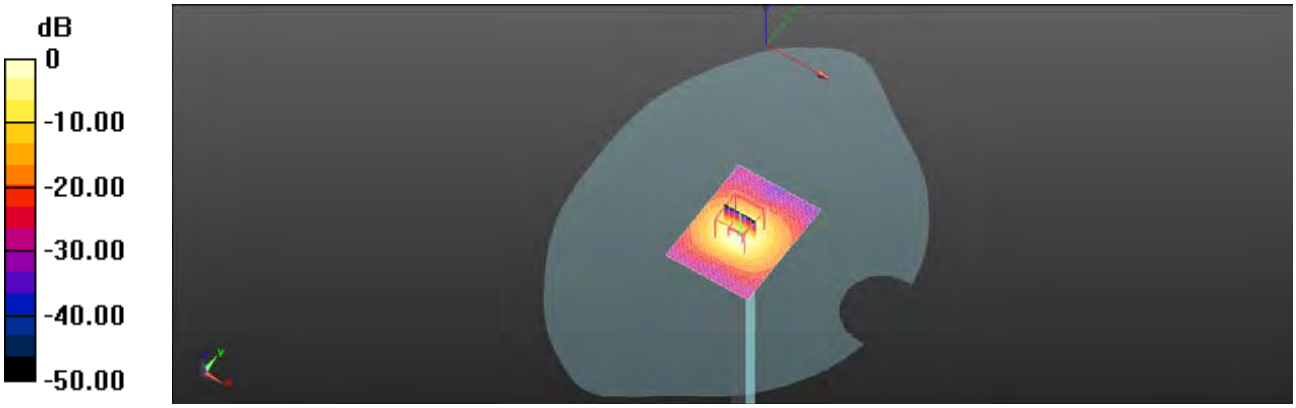
Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.045 S/m; $\varepsilon_r$ = 35.178; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.2°C; Liquid temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.99, 4.99, 4.99); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x81x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 15.9 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.82 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 38.5 W/kg
**SAR(1 g) = 8.59 W/kg; SAR(10 g) = 2.44 W/kg**
Maximum value of SAR (measured) = 16.8 W/kg




0 dB = 16.8 W/kg = 12.22 dBW/kg

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Date: 2020/1/11

## Dipole 5800 MHz_SN:1023

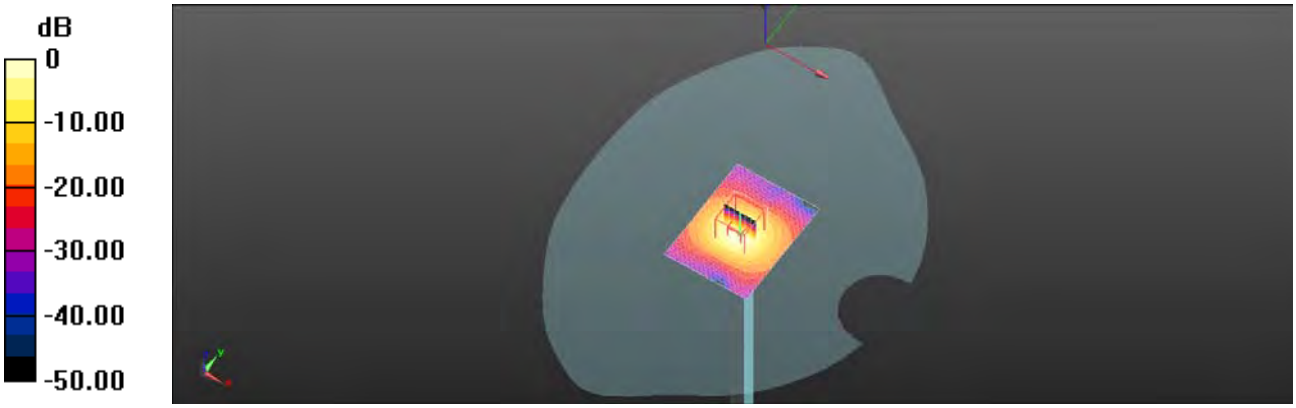
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; $\sigma$ = 5.243 S/m; $\varepsilon_r$ = 34.929; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.1°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x81x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 16.3 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.93 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 36.1 W/kg
**SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.25 W/kg**
Maximum value of SAR (measured) = 16.3 W/kg




0 dB = 16.3 W/kg = 12.15 dBW/kg

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Date: 2020/1/13

## Dipole 5800 MHz_SN:1023

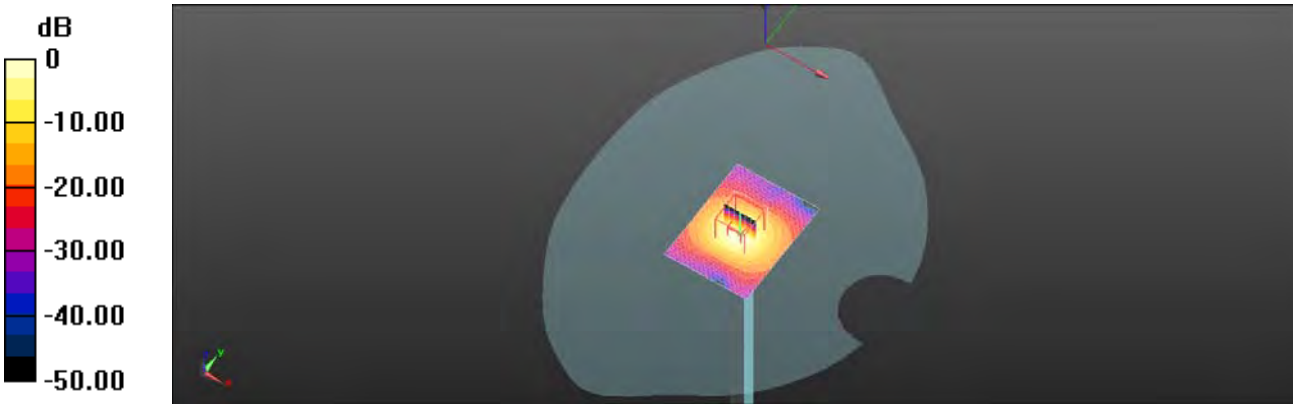
Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; $\sigma$ = 5.242 S/m; $\varepsilon_r$ = 34.921; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Ambient temperature: 22.0°C; Liquid temperature: 21.9°C

DASY5 Configuration:

- Probe: EX3DV4 – SN3665; ConvF(4.97, 4.97, 4.97); Calibrated: 2019/8/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn547; Calibrated: 2019/3/22
- Phantom: SAM
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Area Scan (61x81x1):** Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 16.5 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 58.44 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 36.4 W/kg
**SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.27 W/kg**
Maximum value of SAR (measured) = 16.6 W/kg




0 dB = 16.6 W/kg = 12.45 dBW/kg

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# 7. Uncertainty Budget

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

| A | c | D | e | | f | g | h=c * f / e | i=c * g / e | k |
|---|---|---|---|---|---|---|---|---|---|
| Source of Uncertainty | Tolerance/ Uncertainty | Probability Distributio | Div | Div Value | ci (1g) | ci (10g) | Standard uncertainty | Standard uncertainty | vi, or Veff |
| | | | | | | | | | |
| **Measurement system** | | | | | | | | | |
| Probe calibration | 6.00% | N | 1 | 1 | 1 | 1 | 6.00% | 6.00% | ∞ |
| ***Isotropy , Axial*** | 3.50% | R | √3 | 1.732 | 1 | 1 | 2.02% | 2.02% | ∞ |
| ***Isotropy, Hemispherical*** | 9.60% | R | √3 | 1.732 | 1 | 1 | 5.54% | 5.54% | ∞ |
| Modulation Response | 2.40% | R | √3 | 1.732 | 1 | 1 | 1.40% | 1.40% | ∞ |
| Boundary Effect | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Linearity | 4.70% | R | √3 | 1.732 | 1 | 1 | 2.71% | 2.71% | ∞ |
| Detection Limits | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Readout Electronics | 0.30% | N | 1 | 1 | 1 | 1 | 0.30% | 0.30% | ∞ |
| Response time | 0.80% | R | √3 | 1.732 | 1 | 1 | 0.46% | 0.46% | ∞ |
| Integration Time | 2.60% | R | √3 | 1.732 | 1 | 1 | 1.50% | 1.50% | ∞ |
| ***Measurement drift (class A evaluation)*** | 1.75% | R | √3 | 1.732 | 1 | 1 | 1.01% | 1.01% | ∞ |
| RF ambient condition - noise | 3.00% | R | √3 | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| RF ambient conditions - reflections | 3.00% | R | √3 | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| Probe positioner Mechanical restrictions | 0.40% | R | √3 | 1.732 | 1 | 1 | 0.23% | 0.23% | ∞ |
| Probe Positioning with respect to phantom shell | 2.90% | R | √3 | 1.732 | 1 | 1 | 1.67% | 1.67% | ∞ |
| Post-processing | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Max SAR Eval | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| | | | | | | | | | |
| **Test Sample related** | | | | | | | | | |
| Test sample positioning | 2.90% | N | 1 | 1 | 1 | 1 | 2.90% | 2.90% | M-1 |
| Device Holder Uncertainty | 3.60% | N | 1 | 1 | 1 | 1 | 3.60% | 3.60% | M-1 |
| Drift of output power | 5.00% | R | √3 | 1.732 | 1 | 1 | 2.89% | 2.89% | ∞ |
| | | | | | | | | | |
| **Phantom and Setup** | | | | | | | | | |
| Phantom Uncertainty | 4.00% | R | √3 | 1.732 | 1 | 1 | 2.31% | 2.31% | ∞ |
| Liquid permittivity (mea.) | 1.07% | N | 1 | 1 | 0.64 | 0.43 | 0.68% | 0.46% | M |
| Liquid Conductivity (mea.) | 1.15% | N | 1 | 1 | 0.6 | 0.49 | 0.69% | 0.56% | M |
| Combined standard uncertainty | | RSS | | | | | 11.46% | 11.43% | |
| Expant uncertainty (95% confidence interval), K=2 | | | | | | | 22.92% | 22.86% | |

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Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

| A | c | D | e | | f | g | h=c * f / e | i=c * g / e | k |
|---|---|---|---|---|---|---|---|---|---|
| Source of Uncertainty | Tolerance/ Uncertainty | Probability Distributio | Div | Div Value | ci (1g) | ci (10g) | Standard uncertainty | Standard uncertainty | vi, or Veff |
| | | | | | | | | | |
| **Measurement system** | | | | | | | | | |
| Probe calibration | 6.55% | N | 1 | 1 | 1 | 1 | 6.55% | 6.55% | ∞ |
| ***Isotropy , Axial*** | 3.50% | R | √3 | 1.732 | 1 | 1 | 2.02% | 2.02% | ∞ |
| ***Isotropy, Hemispherical*** | 9.60% | R | √3 | 1.732 | 1 | 1 | 5.54% | 5.54% | ∞ |
| Modulation Response | 2.40% | R | √3 | 1.732 | 1 | 1 | 1.40% | 1.40% | ∞ |
| Boundary Effect | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Linearity | 4.70% | R | √3 | 1.732 | 1 | 1 | 2.71% | 2.71% | ∞ |
| Detection Limits | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Readout Electronics | 0.30% | N | 1 | 1 | 1 | 1 | 0.30% | 0.30% | ∞ |
| Response time | 0.80% | R | √3 | 1.732 | 1 | 1 | 0.46% | 0.46% | ∞ |
| Integration Time | 2.60% | R | √3 | 1.732 | 1 | 1 | 1.50% | 1.50% | ∞ |
| ***Measurement drift (class A evaluation)*** | 1.75% | R | √3 | 1.732 | 1 | 1 | 1.01% | 1.01% | ∞ |
| RF ambient condition - noise | 3.00% | R | √3 | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| RF ambient conditions - reflections | 3.00% | R | √3 | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| Probe positioner Mechanical restrictions | 0.40% | R | √3 | 1.732 | 1 | 1 | 0.23% | 0.23% | ∞ |
| Probe Positioning with respect to phantom shell | 2.90% | R | √3 | 1.732 | 1 | 1 | 1.67% | 1.67% | ∞ |
| Post-processing | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Max SAR Eval | 1.00% | R | √3 | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| | | | | | | | | | |
| **Test Sample related** | | | | | | | | | |
| Test sample positioning | 2.90% | N | 1 | 1 | 1 | 1 | 2.90% | 2.90% | M-1 |
| Device Holder Uncertainty | 3.60% | N | 1 | 1 | 1 | 1 | 3.60% | 3.60% | M-1 |
| Drift of output power | 5.00% | R | √3 | 1.732 | 1 | 1 | 2.89% | 2.89% | ∞ |
| | | | | | | | | | |
| **Phantom and Setup** | | | | | | | | | |
| Phantom Uncertainty | 4.00% | R | √3 | 1.732 | 1 | 1 | 2.31% | 2.31% | ∞ |
| Liquid permittivity (mea.) | 1.07% | N | 1 | 1 | 0.64 | 0.43 | 0.68% | 0.46% | M |
| Liquid Conductivity (mea.) | 0.56% | N | 1 | 1 | 0.6 | 0.49 | 0.34% | 0.27% | M |
| Combined standard uncertainty | | RSS | | | | | 11.74% | 11.72% | |
| Expant uncertainty (95% confidence interval), K=2 | | | | | | | 23.48% | 23.44% | |

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# Appendixes

**Refer to separated files for the following appendixes.**

**E52019C0009 SAR_Appendix A Photographs**

**E52019C0009 SAR_Appendix B DAE & Probe Cal. Certificate**

**E52019C0009 SAR_Appendix C Phantom Description & Dipole Cal. Certificate**

**- End of report -**

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