

SAR TEST REPORT



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

Equipment Under Test Convertible PC
Brand Name HP
Model No. TPN-C137
Company Name Fibocom Wireless Inc.
Company Address 5/F, Tower A, Technology Building II, 1057 Nanhai Avenue
Shenzhen, 518067 China
Standards IEEE/ANSI C95.1-1992, IEEE 1528-2013,
KDB616217D04v01r02, KDB865664D01v01r04,
KDB865664D02v01r02, KDB447498D01v06,
KDB248227D01v02r02, KDB941225D01v03r01,
KDB941225D05v02r05, KDB941225D05Av01r02
FCC ID ZMOL860GL
Date of Receipt Dec. 06, 2019
Date of Test(s) Dec. 12, 2019 ~ Dec. 19, 2019
Date of Issue Jan. 09, 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 | Asst. Supervisor / Afu Chen | Asst. Manager / John Yeh |
|-----------------|-----------------------------|--------------------------|
| | | |

Date: Jan. 09, 2020

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Revision History

| Revision | Description | Issue Date |
|----------|------------------------------|---------------|
| Rev.00 | Initial creation of document | Dec. 31, 2019 |
| Rev.01 | Modify section 1.6 | Jan. 09, 2020 |
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1. General Information

1.1 Testing Laboratory

| | |
|--|---|
| SGS Taiwan Ltd. Electronics & Communication Laboratory | |
| 1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Rd., NeiHu Dist., Taipei City, Taiwan, 11493. | |
| Tel | +886-2-2299-3279 |
| Fax | +886-2-2298-0488 |
| Internet | http://www.tw.sgs.com/ |

1.2 Details of Applicant

| | |
|-----------------|--|
| Company Name | Fibocom Wireless Inc. |
| Company Address | 5/F, Tower A, Technology Building II, 1057 Nanhai Avenue Shenzhen, 518067 China |

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1.3 Description of EUT

| | | | |
|-----------------------------|---|--|--|
| Equipment Under Test | Convertible PC | | |
| Brand Name | HP | | |
| Model No. | TPN-C137 | | |
| FCC ID | ZMOL860GL | | |
| Integrated Module | WLAN | Brand Name : Intel Model Name : AX200D2WL | |
| | WWAN | Brand Name : Fibocom Model Name : L860-GL | |
| Mode of Operation | <input checked="" type="checkbox"/> WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M) <input checked="" type="checkbox"/> Bluetooth <input checked="" type="checkbox"/> WCDMA <input checked="" type="checkbox"/> HSDPA <input checked="" type="checkbox"/> HSUPA <input checked="" type="checkbox"/> HSPA+ <input checked="" type="checkbox"/> DC-HSDPA <input checked="" type="checkbox"/> LTE FDD <input checked="" type="checkbox"/> LTE TDD | | |
| Duty Cycle | WLAN802.11 a/b/g/n/ac/ax(20M/40M/80M/160M) | 1 | |
| | Bluetooth | 1 | |
| | WCDMA | 1 | |
| | LTE FDD | 1 | |
| | LTE TDD | 0.633 | |
| TX Frequency Range (MHz) | 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 14 | 788 — 798 | |

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| | | | | |
|-----------------------------|--------------------------------|-------|---|-------|
| TX Frequency Range (MHz) | LTE FDD Band 17 | 704 | — | 716 |
| | LTE FDD Band 25 | 1850 | — | 1915 |
| | LTE FDD Band 26 | 814 | — | 849 |
| | LTE FDD Band 30 | 2305 | — | 2315 |
| | LTE TDD Band 38 | 2570 | — | 2620 |
| | LTE TDD Band 41 | 2496 | — | 2690 |
| | LTE FDD Band 66 | 1710 | — | 1780 |
| | WLAN802.11 b/g/n/ax(20M) | 2412 | — | 2472 |
| | WLAN802.11 n/ax(40M) | 2422 | — | 2462 |
| | WLAN802.11 a/n/ac/ax(20M) 5.2G | 5180 | — | 5240 |
| | WLAN802.11 n/ac/ax(40M) 5.2G | 5190 | — | 5230 |
| | WLAN802.11 ac/ax(80M) 5.2G | 5210 | | |
| | WLAN802.11 ac/ax(160M) 5.2G | 5250 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.3G | 5260 | — | 5320 |
| | WLAN802.11 n/ac/ax(40M) 5.3G | 5270 | — | 5310 |
| | WLAN802.11 ac/ax(80M) 5.3G | 5290 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.6G | 5500 | — | 5720 |
| | WLAN802.11 n/ac/ax(40M) 5.6G | 5510 | — | 5710 |
| | WLAN802.11 ac/ax(80M) 5.6G | 5530 | — | 5690 |
| | WLAN802.11 ac/ax(160M) 5.6G | 5570 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.8G | 5745 | — | 5825 |
| | WLAN802.11 n/ac/ax(40M) 5.8G | 5755 | — | 5795 |
| | WLAN802.11 ac/ax(80M) 5.8G | 5775 | | |
| | Bluetooth | 2402 | — | 2480 |
| Channel Number (ARFCN) | WCDMA Band II | 9262 | — | 9538 |
| | WCDMA Band IV | 1312 | — | 1513 |
| | WCDMA Band V | 4132 | — | 4233 |
| | LTE FDD Band 2 | 18607 | — | 19193 |

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| | | | | |
|---------------------------|--------------------------------|--------|---|--------|
| Channel Number (ARFCN) | 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 14 | 23305 | — | 23355 |
| | LTE FDD Band 17 | 23755 | — | 23825 |
| | LTE FDD Band 25 | 26047 | — | 26683 |
| | LTE FDD Band 26 | 26697 | — | 27033 |
| | LTE FDD Band 30 | 27685 | — | 27735 |
| | LTE TDD Band 38 | 37775 | — | 38225 |
| | LTE TDD Band 41 | 39675 | — | 41565 |
| | LTE FDD Band 66 | 131979 | — | 132665 |
| | WLAN802.11 b/g/n/ax(20M) | 1 | — | 13 |
| | WLAN802.11 n/ax(40M) | 3 | — | 11 |
| | WLAN802.11 a/n/ac/ax(20M) 5.2G | 36 | — | 48 |
| | WLAN802.11 n/ac/ax(40M) 5.2G | 38 | — | 46 |
| | WLAN802.11 ac/ax(80M) 5.2G | 42 | | |
| | WLAN802.11 ac/ax(160M) 5.2G | 50 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.3G | 52 | — | 64 |
| | WLAN802.11 n/ac/ax(40M) 5.3G | 54 | — | 62 |
| | WLAN802.11 ac/ax(80M) 5.3G | 58 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.6G | 100 | — | 144 |
| | WLAN802.11 n/ac/ax(40M) 5.6G | 102 | — | 142 |
| | WLAN802.11 ac/ax(80M) 5.6G | 106 | — | 138 |
| | WLAN802.11 ac/ax(160M) 5.6G | 114 | | |
| | WLAN802.11 a/n/ac/ax(20M) 5.8G | 149 | — | 165 |
| | WLAN802.11 n/ac/ax(40M) 5.8G | 151 | — | 159 |
| | WLAN802.11 ac/ax(80M) 5.8G | 155 | | |
| | Bluetooth | 0 | — | 78 |

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Antenna Information

| Tablet mode | | | | | | | | | | |
|--------------------|----------------------------------|-----------|-----------|-----------|-----------|---------------------------|-----------|-----------|-----------|-----------|
| Vendor | Advanced Wireless & Antenna Inc. | | | | | | | | | |
| Antenna | Tx1 (PIFA) | | | | | Tx2 (PIFA) | | | | |
| Part Number | AML6Y-200004(DC330024W20) | | | | | AML6Y-200004(DC330024W20) | | | | |
| Frequency | 2400-2500 | 5150-5250 | 5250-5350 | 5470-5725 | 5725-5850 | 2400-2500 | 5150-5250 | 5250-5350 | 5470-5725 | 5725-5850 |
| Gain (dBi) | -5.59 | -0.06 | 0.65 | -1.12 | -1.03 | -1.28 | -1.53 | -1.53 | 0.34 | -0.63 |
| Notebook mode mode | | | | | | | | | | |
| Vendor | Advanced Wireless & Antenna Inc. | | | | | | | | | |
| Antenna | Tx1 (PIFA) | | | | | Tx2 (PIFA) | | | | |
| Part Number | AML6Y-200004(DC330024W20) | | | | | AML6Y-200004(DC330024W20) | | | | |
| Frequency | 2400-2500 | 5150-5250 | 5250-5350 | 5470-5725 | 5725-5850 | 2400-2500 | 5150-5250 | 5250-5350 | 5470-5725 | 5725-5850 |
| Gain (dBi) | -4.79 | -1.38 | 0.16 | -2.02 | -2.35 | -6.65 | -6.24 | -4.55 | -2.86 | -1.82 |
| Tablet mode | | | | | | | | | | |
| Vendor | Advanced Wireless & Antenna Inc. | | | | | | | | | |
| Antenna | Main (PIFA) | | | | | | | | | |
| Part Number | AML6Y-10057(DC330024W00) | | | | | | | | | |
| Frequency | 699~716 | 777~798 | 814~849 | 1710~1780 | 1850~1915 | 2305~2315 | 2496~2690 | | | |
| Gain (dBi) | -11.68 | -12.87 | -14.01 | -3.75 | -5.17 | -3.09 | -7.49 | | | |
| Notebook mode mode | | | | | | | | | | |
| Vendor | Advanced Wireless & Antenna Inc. | | | | | | | | | |
| Antenna | Main (PIFA) | | | | | | | | | |
| Part Number | AML6Y-10057(DC330024W00) | | | | | | | | | |
| Frequency | 699~716 | 777~798 | 814~849 | 1710~1780 | 1850~1915 | 2305~2315 | 2496~2690 | | | |
| Gain (dBi) | -1.87 | -1.31 | -3.02 | 2.39 | 2.48 | 2.33 | -0.81 | | | |

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Tablet mode

| Max. SAR (1 g) (Unit: W/Kg) | | | | |
|-----------------------------|----------|----------|---------|------------|
| Band | Measured | Reported | Channel | Position |
| WCDMA Band II | 0.18 | 0.24 | 9262 | Right side |
| WCDMA Band IV | 0.57 | 0.72 | 1513 | Right side |
| WCDMA Band V | 0.04 | 0.05 | 4132 | Right side |
| LTE FDD Band 2 | 0.17 | 0.20 | 18700 | Right side |
| LTE FDD Band 4 | 0.51 | 0.64 | 20300 | Right side |
| LTE FDD Band 5 | 0.04 | 0.05 | 20525 | Right side |
| LTE FDD Band 7 | 0.31 | 0.35 | 21100 | Top side |
| LTE FDD Band 12 | 0.04 | 0.05 | 23130 | Top side |
| LTE FDD Band 13 | 0.03 | 0.04 | 23230 | Right side |
| LTE FDD Band 14 | 0.03 | 0.04 | 23330 | Right side |
| LTE FDD Band 17 | 0.04 | 0.05 | 23780 | Top side |
| LTE FDD Band 25 | 0.17 | 0.21 | 26140 | Right side |
| LTE FDD Band 26 | 0.04 | 0.06 | 26965 | Right side |
| LTE FDD Band 30 | 0.23 | 0.30 | 27710 | Top side |
| LTE TDD Band 38 | 0.19 | 0.23 | 37850 | Top side |
| LTE TDD Band 41 | 0.17 | 0.20 | 39750 | Top side |
| LTE FDD Band 66 | 0.55 | 0.71 | 132572 | Right side |

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Tablet mode (SISO)

| Max. SAR (1g) (Unit: W/Kg) | | | | | |
|----------------------------|--------------------------|----------|----------|---------|----------|
| Antenna | Band | Measured | Reported | Channel | Position |
| Tx1 | WLAN 802.11b | 1.16 | 1.17 | 2 | Top side |
| | WLAN 802.11ac(80M) 5.2G | 1.10 | 1.11 | 42 | Top side |
| | WLAN 802.11ac(80M) 5.3G | 1.03 | 1.04 | 58 | Top side |
| | WLAN 802.11ac(160) 5.6 G | 0.52 | 0.52 | 114 | Top side |
| | WLAN 802.11ac(80M) 5.8G | 0.61 | 0.62 | 155 | Top side |
| Tx2 | WLAN 802.11b | 1.17 | 1.17 | 1 | Top side |
| | Bluetooth(GFSK) | 0.18 | 0.27 | 78 | Top side |
| | WLAN 802.11ac(80M) 5.2G | 1.19 | 1.20 | 42 | Top side |
| | WLAN 802.11ac(80M) 5.3G | 1.01 | 1.02 | 58 | Top side |
| | WLAN 802.11ac(160) 5.6 G | 0.91 | 0.91 | 114 | Top side |
| | WLAN 802.11ac(80M) 5.8G | 1.18 | 1.18 | 155 | Top side |

Notebook mode (SISO)

| Max. SAR (1g) (Unit: W/Kg) | | | | | |
|----------------------------|-------------------------|----------|----------|---------|-------------|
| Antenna | Band | Measured | Reported | Channel | Position |
| Tx1 | WLAN 802.11b | 0.92 | 0.93 | 2 | Bottom side |
| | WLAN 802.11n(40M) 5.2G | 0.92 | 0.92 | 46 | Bottom side |
| | WLAN 802.11n(40M) 5.3G | 1.05 | 1.06 | 54 | Bottom side |
| | WLAN 802.11ac(80M) 5.6G | 0.48 | 0.48 | 106 | Bottom side |
| | WLAN 802.11ac(80M) 5.8G | 0.45 | 0.45 | 155 | Bottom side |
| Tx2 | WLAN 802.11b | 0.85 | 0.85 | 6 | Bottom side |
| | Bluetooth(GFSK) | 0.08 | 0.12 | 78 | Bottom side |
| | WLAN 802.11ac(80M) 5.2G | 0.93 | 0.94 | 42 | Bottom side |
| | WLAN 802.11ac(80M) 5.3G | 0.77 | 0.78 | 58 | Bottom side |
| | WLAN 802.11ac(80M) 5.6G | 0.73 | 0.73 | 106 | Bottom side |
| | WLAN 802.11ac(80M) 5.8G | 0.81 | 0.81 | 155 | Bottom side |

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WCDMA Band II / Band IV / Band V - HSDPA / HSUPA / HSPA+ / DC-HSDPA 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) | | 24.50 | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 23.33 | 23.53 | 23.34 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 23.28 | 23.49 | 23.19 |
| | HSDPA Subtest-2 | 23.28 | 23.40 | 23.16 |
| | HSDPA Subtest-3 | 22.77 | 22.82 | 22.64 |
| | HSDPA Subtest-4 | 22.63 | 22.94 | 22.76 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 23.14 | 23.41 | 23.26 |
| | HSUPA Subtest-2 | 21.28 | 21.43 | 21.27 |
| | HSUPA Subtest-3 | 22.25 | 22.45 | 22.19 |
| | HSUPA Subtest-4 | 21.30 | 21.39 | 21.22 |
| | HSUPA Subtest-5 | 23.12 | 23.39 | 23.29 |
| 3GPP Rel 7 | HSPA+ | 23.13 | 23.33 | 23.13 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.22 | 23.51 | 23.22 |
| | DC-HSDPA Subtest-2 | 23.25 | 23.44 | 23.29 |
| | DC-HSDPA Subtest-3 | 22.73 | 22.92 | 22.75 |
| | DC-HSDPA Subtest-4 | 22.67 | 22.87 | 22.66 |

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| Band | | WCDMA IV | | |
|--|--------------------|----------|--------|--------|
| TX Channel | | 1312 | 1412 | 1513 |
| Frequency (MHz) | | 1712.4 | 1732.4 | 1752.6 |
| Max. Rated Avg. Power+Max. Tolerance (dBm) | | 24.50 | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 23.81 | 23.74 | 23.47 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 23.74 | 23.67 | 23.37 |
| | HSDPA Subtest-2 | 23.63 | 23.54 | 23.37 |
| | HSDPA Subtest-3 | 23.16 | 23.06 | 22.76 |
| | HSDPA Subtest-4 | 23.18 | 23.20 | 22.93 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 23.78 | 23.61 | 23.42 |
| | HSUPA Subtest-2 | 21.73 | 21.56 | 21.42 |
| | HSUPA Subtest-3 | 22.69 | 22.72 | 22.40 |
| | HSUPA Subtest-4 | 21.69 | 21.71 | 21.34 |
| | HSUPA Subtest-5 | 23.79 | 23.55 | 23.36 |
| 3GPP Rel 7 | HSPA+ | 23.62 | 23.60 | 23.31 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.69 | 23.65 | 23.37 |
| | DC-HSDPA Subtest-2 | 23.72 | 23.63 | 23.36 |
| | DC-HSDPA Subtest-3 | 23.23 | 23.08 | 22.94 |
| | DC-HSDPA Subtest-4 | 23.18 | 23.14 | 22.94 |
| Band | | WCDMA V | | |
| TX Channel | | 4132 | 4183 | 4233 |
| Frequency (MHz) | | 826.4 | 836.6 | 846.6 |
| Max. Rated Avg. Power+Max. Tolerance (dBm) | | 24.50 | | |
| 3GPP Rel 99 | RMC 12.2Kbps | 23.41 | 23.38 | 23.35 |
| 3GPP Rel 5 | HSDPA Subtest-1 | 23.28 | 23.19 | 23.24 |
| | HSDPA Subtest-2 | 23.27 | 23.31 | 23.19 |
| | HSDPA Subtest-3 | 22.75 | 22.67 | 22.81 |
| | HSDPA Subtest-4 | 22.79 | 22.70 | 22.69 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 23.36 | 23.31 | 23.16 |
| | HSUPA Subtest-2 | 21.37 | 21.24 | 21.32 |
| | HSUPA Subtest-3 | 22.28 | 22.33 | 22.16 |
| | HSUPA Subtest-4 | 21.28 | 21.20 | 21.15 |
| | HSUPA Subtest-5 | 23.24 | 23.21 | 23.31 |
| 3GPP Rel 7 | HSPA+ | 23.25 | 23.30 | 23.14 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 23.30 | 23.31 | 23.33 |
| | DC-HSDPA Subtest-2 | 23.37 | 23.17 | 23.26 |
| | DC-HSDPA Subtest-3 | 22.85 | 22.75 | 22.64 |
| | DC-HSDPA Subtest-4 | 22.88 | 22.79 | 22.82 |

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LTE FDD Band 2 / Band 4 / Band 5 / Band 7 / Band 12 / Band 13 / Band 14 / Band 17 / Band 25 / Band 26 / Band 30 / Band 66 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 | 23.25 | 24 | 0 |
| | | | | 1880 | 18900 | 23.27 | 24 | 0 |
| | | | | 1900 | 19100 | 23.18 | 24 | 0 |
| | | | 50 | 1860 | 18700 | 23.16 | 24 | 0 |
| | | | | 1880 | 18900 | 23.21 | 24 | 0 |
| | | | | 1900 | 19100 | 23.17 | 24 | 0 |
| | | | 99 | 1860 | 18700 | 23.23 | 24 | 0 |
| | | | | 1880 | 18900 | 23.07 | 24 | 0 |
| | | | | 1900 | 19100 | 23.15 | 24 | 0 |
| | | 50 RB | 0 | 1860 | 18700 | 22.22 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.28 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.15 | 23 | 0-1 |
| | | | 25 | 1860 | 18700 | 22.16 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.22 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.17 | 23 | 0-1 |
| | | | 50 | 1860 | 18700 | 22.14 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.14 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.13 | 23 | 0-1 |
| | | 100RB | | 1860 | 18700 | 22.22 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.28 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.24 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1860 | 18700 | 22.45 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.47 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.41 | 23 | 0-1 |
| | | | 50 | 1860 | 18700 | 22.47 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.39 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.42 | 23 | 0-1 |
| | | | 99 | 1860 | 18700 | 22.40 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.36 | 23 | 0-1 |
| | | | | 1900 | 19100 | 22.35 | 23 | 0-1 |
| | | 50 RB | 0 | 1860 | 18700 | 21.16 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.20 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.05 | 22 | 0-2 |
| | | | 25 | 1860 | 18700 | 21.09 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.12 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.06 | 22 | 0-2 |
| | | | 50 | 1860 | 18700 | 21.05 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.07 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.07 | 22 | 0-2 |
| | | 100RB | | 1860 | 18700 | 21.12 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.19 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.14 | 22 | 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 | 21.82 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.89 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.86 | 22 | 0-2 |
| | | | 50 | 1860 | 18700 | 21.90 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.85 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.89 | 22 | 0-2 |
| | | | 99 | 1860 | 18700 | 21.90 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.82 | 22 | 0-2 |
| | | | | 1900 | 19100 | 21.81 | 22 | 0-2 |
| | | 50 RB | 0 | 1860 | 18700 | 20.90 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.85 | 21 | 0-3 |
| | | | | 1900 | 19100 | 20.85 | 21 | 0-3 |
| | | | 25 | 1860 | 18700 | 20.98 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.97 | 21 | 0-3 |
| | | | | 1900 | 19100 | 20.90 | 21 | 0-3 |
| | | | 50 | 1860 | 18700 | 20.82 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.92 | 21 | 0-3 |
| | | | | 1900 | 19100 | 20.81 | 21 | 0-3 |
| | | 100RB | | 1860 | 18700 | 20.82 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.85 | 21 | 0-3 |
| | | | | 1900 | 19100 | 20.85 | 21 | 0-3 |

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| FDD Band 2 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 1857.5 | 18675 | 23.65 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.66 | 24 | 0 | |
| | | | | 1902.5 | 19125 | 23.56 | 24 | 0 | |
| | | | 36 | 1857.5 | 18675 | 23.73 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.60 | 24 | 0 | |
| | | | | 1902.5 | 19125 | 23.61 | 24 | 0 | |
| | | | 74 | 1857.5 | 18675 | 23.80 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.50 | 24 | 0 | |
| | | | | 1902.5 | 19125 | 23.69 | 24 | 0 | |
| | | 36 RB | 0 | 1857.5 | 18675 | 22.61 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.78 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.63 | 23 | 0-1 | |
| | | | 18 | 1857.5 | 18675 | 22.73 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.76 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.63 | 23 | 0-1 | |
| | | | 37 | 1857.5 | 18675 | 22.66 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.65 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.69 | 23 | 0-1 | |
| | | 75RB | | | 1857.5 | 18675 | 22.64 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 22.67 | 23 | 0-1 |
| | | | | | 1902.5 | 19125 | 22.79 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1857.5 | 18675 | 22.30 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.26 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.29 | 23 | 0-1 | |
| | | | 36 | 1857.5 | 18675 | 22.28 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.20 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.36 | 23 | 0-1 | |
| | | | 74 | 1857.5 | 18675 | 22.38 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.33 | 23 | 0-1 | |
| | | | | 1902.5 | 19125 | 22.33 | 23 | 0-1 | |
| | | 36 RB | 0 | 1857.5 | 18675 | 21.01 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 21.14 | 22 | 0-2 | |
| | | | | 1902.5 | 19125 | 20.92 | 22 | 0-2 | |
| | | | 18 | 1857.5 | 18675 | 20.90 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 21.08 | 22 | 0-2 | |
| | | | | 1902.5 | 19125 | 20.94 | 22 | 0-2 | |
| | | | 37 | 1857.5 | 18675 | 20.94 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.89 | 22 | 0-2 | |
| | | | | 1902.5 | 19125 | 20.89 | 22 | 0-2 | |
| | | 75RB | | | 1857.5 | 18675 | 21.00 | 22 | 0-2 |
| | | | | | 1880 | 18900 | 21.03 | 22 | 0-2 |
| | | | | | 1902.5 | 19125 | 21.10 | 22 | 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 | 21.75 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.71 | 22 | 0-2 |
| | | | | 1902.5 | 19125 | 21.79 | 22 | 0-2 |
| | | | 36 | 1857.5 | 18675 | 21.78 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.79 | 22 | 0-2 |
| | | | | 1902.5 | 19125 | 21.79 | 22 | 0-2 |
| | | | 74 | 1857.5 | 18675 | 21.77 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.68 | 22 | 0-2 |
| | | | | 1902.5 | 19125 | 21.72 | 22 | 0-2 |
| | | 36 RB | 0 | 1857.5 | 18675 | 20.77 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.67 | 21 | 0-3 |
| | | | | 1902.5 | 19125 | 20.78 | 21 | 0-3 |
| | | | 18 | 1857.5 | 18675 | 20.96 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.78 | 21 | 0-3 |
| | | | | 1902.5 | 19125 | 20.84 | 21 | 0-3 |
| | | | 37 | 1857.5 | 18675 | 20.71 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.74 | 21 | 0-3 |
| | | | | 1902.5 | 19125 | 20.73 | 21 | 0-3 |
| | | 75RB | | 1857.5 | 18675 | 20.76 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.74 | 21 | 0-3 |
| | | | | 1902.5 | 19125 | 20.76 | 21 | 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 | 23.59 | 24 | 0 |
| | | | | 1880 | 18900 | 23.51 | 24 | 0 |
| | | | | 1905 | 19150 | 23.39 | 24 | 0 |
| | | | 25 | 1855 | 18650 | 23.57 | 24 | 0 |
| | | | | 1880 | 18900 | 23.54 | 24 | 0 |
| | | | | 1905 | 19150 | 23.55 | 24 | 0 |
| | | | 49 | 1855 | 18650 | 23.73 | 24 | 0 |
| | | | | 1880 | 18900 | 23.40 | 24 | 0 |
| | | | | 1905 | 19150 | 23.65 | 24 | 0 |
| | | 25 RB | 0 | 1855 | 18650 | 22.56 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.75 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.48 | 23 | 0-1 |
| | | | 12 | 1855 | 18650 | 22.68 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.71 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.47 | 23 | 0-1 |
| | | | 25 | 1855 | 18650 | 22.62 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.60 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.53 | 23 | 0-1 |
| | | 50RB | | 1855 | 18650 | 22.44 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.58 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.73 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1855 | 18650 | 22.21 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.08 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.16 | 23 | 0-1 |
| | | | 25 | 1855 | 18650 | 22.17 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.12 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.17 | 23 | 0-1 |
| | | | 49 | 1855 | 18650 | 22.20 | 23 | 0-1 |
| | | | | 1880 | 18900 | 22.29 | 23 | 0-1 |
| | | | | 1905 | 19150 | 22.19 | 23 | 0-1 |
| | | 25 RB | 0 | 1855 | 18650 | 20.99 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.01 | 22 | 0-2 |
| | | | | 1905 | 19150 | 20.71 | 22 | 0-2 |
| | | | 12 | 1855 | 18650 | 20.75 | 22 | 0-2 |
| | | | | 1880 | 18900 | 20.89 | 22 | 0-2 |
| | | | | 1905 | 19150 | 20.80 | 22 | 0-2 |
| | | | 25 | 1855 | 18650 | 20.79 | 22 | 0-2 |
| | | | | 1880 | 18900 | 20.82 | 22 | 0-2 |
| | | | | 1905 | 19150 | 20.87 | 22 | 0-2 |
| | | 50RB | | 1855 | 18650 | 20.95 | 22 | 0-2 |
| | | | | 1880 | 18900 | 20.87 | 22 | 0-2 |
| | | | | 1905 | 19150 | 20.91 | 22 | 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 | 21.72 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.69 | 22 | 0-2 |
| | | | | 1905 | 19150 | 21.69 | 22 | 0-2 |
| | | | 25 | 1855 | 18650 | 21.75 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.76 | 22 | 0-2 |
| | | | | 1905 | 19150 | 21.59 | 22 | 0-2 |
| | | | 49 | 1855 | 18650 | 21.74 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.52 | 22 | 0-2 |
| | | | | 1905 | 19150 | 21.55 | 22 | 0-2 |
| | | 25 RB | 0 | 1855 | 18650 | 20.73 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.59 | 21 | 0-3 |
| | | | | 1905 | 19150 | 20.58 | 21 | 0-3 |
| | | | 12 | 1855 | 18650 | 20.75 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.61 | 21 | 0-3 |
| | | | | 1905 | 19150 | 20.80 | 21 | 0-3 |
| | | | 25 | 1855 | 18650 | 20.62 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.72 | 21 | 0-3 |
| | | | | 1905 | 19150 | 20.60 | 21 | 0-3 |
| | | 50RB | | 1855 | 18650 | 20.61 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.59 | 21 | 0-3 |
| | | | | 1905 | 19150 | 20.55 | 21 | 0-3 |

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| FDD Band 2 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 1852.5 | 18625 | 23.46 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.33 | 24 | 0 | |
| | | | | 1907.5 | 19175 | 23.32 | 24 | 0 | |
| | | | 12 | 1852.5 | 18625 | 23.49 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.43 | 24 | 0 | |
| | | | | 1907.5 | 19175 | 23.52 | 24 | 0 | |
| | | | 24 | 1852.5 | 18625 | 23.69 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.19 | 24 | 0 | |
| | | | | 1907.5 | 19175 | 23.44 | 24 | 0 | |
| | | 12 RB | 0 | 1852.5 | 18625 | 22.48 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.58 | 23 | 0-1 | |
| | | | | 1907.5 | 19175 | 22.30 | 23 | 0-1 | |
| | | | 6 | 1852.5 | 18625 | 22.49 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.54 | 23 | 0-1 | |
| | | | | 1907.5 | 19175 | 22.37 | 23 | 0-1 | |
| | | | 13 | 1852.5 | 18625 | 22.55 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.54 | 23 | 0-1 | |
| | | | | 1907.5 | 19175 | 22.48 | 23 | 0-1 | |
| | | 25RB | | | 1852.5 | 18625 | 22.26 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 22.49 | 23 | 0-1 |
| | | | | | 1907.5 | 19175 | 22.70 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1852.5 | 18625 | 22.06 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 21.87 | 23 | 0-1 |
| | | | | | 1907.5 | 19175 | 22.04 | 23 | 0-1 |
| | | | | 12 | 1852.5 | 18625 | 22.00 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 22.00 | 23 | 0-1 |
| | | | | | 1907.5 | 19175 | 21.99 | 23 | 0-1 |
| | 24 | | | 1852.5 | 18625 | 22.15 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.26 | 23 | 0-1 | |
| | | | | 1907.5 | 19175 | 22.03 | 23 | 0-1 | |
| | 12 RB | | | 0 | 1852.5 | 18625 | 20.88 | 22 | 0-2 |
| | | | | | 1880 | 18900 | 20.93 | 22 | 0-2 |
| | | | | | 1907.5 | 19175 | 20.50 | 22 | 0-2 |
| | | | 6 | 1852.5 | 18625 | 20.55 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.80 | 22 | 0-2 | |
| | | | | 1907.5 | 19175 | 20.72 | 22 | 0-2 | |
| | | | 13 | 1852.5 | 18625 | 20.66 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.66 | 22 | 0-2 | |
| | 1907.5 | | | 19175 | 20.67 | 22 | 0-2 | | |
| | 25RB | | | 1852.5 | 18625 | 20.78 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.69 | 22 | 0-2 | |
| | | | | 1907.5 | 19175 | 20.85 | 22 | 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 | 21.61 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.49 | 22 | 0-2 |
| | | | | 1907.5 | 19175 | 21.61 | 22 | 0-2 |
| | | | 12 | 1852.5 | 18625 | 21.70 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.74 | 22 | 0-2 |
| | | | | 1907.5 | 19175 | 21.45 | 22 | 0-2 |
| | | | 24 | 1852.5 | 18625 | 21.66 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.41 | 22 | 0-2 |
| | | | | 1907.5 | 19175 | 21.53 | 22 | 0-2 |
| | | 12 RB | 0 | 1852.5 | 18625 | 20.57 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.38 | 21 | 0-3 |
| | | | | 1907.5 | 19175 | 20.56 | 21 | 0-3 |
| | | | 6 | 1852.5 | 18625 | 20.60 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.40 | 21 | 0-3 |
| | | | | 1907.5 | 19175 | 20.66 | 21 | 0-3 |
| | | | 13 | 1852.5 | 18625 | 20.47 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.51 | 21 | 0-3 |
| | | | | 1907.5 | 19175 | 20.47 | 21 | 0-3 |
| | | 25RB | | 1852.5 | 18625 | 20.50 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.46 | 21 | 0-3 |
| | | | | 1907.5 | 19175 | 20.34 | 21 | 0-3 |

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| FDD Band 2 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 1851.5 | 18615 | 23.28 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.20 | 24 | 0 | |
| | | | | 1908.5 | 19185 | 23.26 | 24 | 0 | |
| | | | 7 | 1851.5 | 18615 | 23.45 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.23 | 24 | 0 | |
| | | | | 1908.5 | 19185 | 23.50 | 24 | 0 | |
| | | | 14 | 1851.5 | 18615 | 23.52 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.05 | 24 | 0 | |
| | | | | 1908.5 | 19185 | 23.29 | 24 | 0 | |
| | | 8 RB | 0 | 1851.5 | 18615 | 22.46 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.52 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 22.28 | 23 | 0-1 | |
| | | | 4 | 1851.5 | 18615 | 22.28 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.33 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 22.29 | 23 | 0-1 | |
| | | | 7 | 1851.5 | 18615 | 22.39 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.49 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 22.36 | 23 | 0-1 | |
| | | 15RB | | | 1851.5 | 18615 | 22.16 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 22.29 | 23 | 0-1 |
| | | | | | 1908.5 | 19185 | 22.51 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1851.5 | 18615 | 22.01 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 21.73 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 21.96 | 23 | 0-1 | |
| | | | 7 | 1851.5 | 18615 | 21.96 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 21.95 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 21.95 | 23 | 0-1 | |
| | | | 14 | 1851.5 | 18615 | 22.08 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.19 | 23 | 0-1 | |
| | | | | 1908.5 | 19185 | 21.83 | 23 | 0-1 | |
| | | 8 RB | 0 | 1851.5 | 18615 | 20.69 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.72 | 22 | 0-2 | |
| | | | | 1908.5 | 19185 | 20.41 | 22 | 0-2 | |
| | | | 4 | 1851.5 | 18615 | 20.53 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.64 | 22 | 0-2 | |
| | | | | 1908.5 | 19185 | 20.61 | 22 | 0-2 | |
| | | | 7 | 1851.5 | 18615 | 20.52 | 22 | 0-2 | |
| | | | | 1880 | 18900 | 20.55 | 22 | 0-2 | |
| | | | | 1908.5 | 19185 | 20.54 | 22 | 0-2 | |
| | | 15RB | | | 1851.5 | 18615 | 20.66 | 22 | 0-2 |
| | | | | | 1880 | 18900 | 20.52 | 22 | 0-2 |
| | | | | | 1908.5 | 19185 | 20.80 | 22 | 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 | 21.52 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.35 | 22 | 0-2 |
| | | | | 1908.5 | 19185 | 21.40 | 22 | 0-2 |
| | | | 7 | 1851.5 | 18615 | 21.52 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.65 | 22 | 0-2 |
| | | | | 1908.5 | 19185 | 21.35 | 22 | 0-2 |
| | | | 14 | 1851.5 | 18615 | 21.60 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.27 | 22 | 0-2 |
| | | | | 1908.5 | 19185 | 21.37 | 22 | 0-2 |
| | | 8 RB | 0 | 1851.5 | 18615 | 20.50 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.30 | 21 | 0-3 |
| | | | | 1908.5 | 19185 | 20.44 | 21 | 0-3 |
| | | | 4 | 1851.5 | 18615 | 20.55 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.38 | 21 | 0-3 |
| | | | | 1908.5 | 19185 | 20.57 | 21 | 0-3 |
| | | | 7 | 1851.5 | 18615 | 20.44 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.48 | 21 | 0-3 |
| | | | | 1908.5 | 19185 | 20.33 | 21 | 0-3 |
| | | 15RB | | 1851.5 | 18615 | 20.46 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.32 | 21 | 0-3 |
| | | | | 1908.5 | 19185 | 20.14 | 21 | 0-3 |

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| FDD Band 2 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 1850.7 | 18607 | 23.05 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.21 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.96 | 24 | 0 | |
| | | | 2 | 1850.7 | 18607 | 23.02 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.20 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.93 | 24 | 0 | |
| | | | 5 | 1850.7 | 18607 | 23.02 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.19 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.77 | 24 | 0 | |
| | | 3 RB | 0 | 1850.7 | 18607 | 23.02 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.19 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.92 | 24 | 0 | |
| | | | 2 | 1850.7 | 18607 | 23.00 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.15 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.73 | 24 | 0 | |
| | | | 3 | 1850.7 | 18607 | 23.00 | 24 | 0 | |
| | | | | 1880 | 18900 | 23.16 | 24 | 0 | |
| | | | | 1909.3 | 19193 | 22.89 | 24 | 0 | |
| | | 6RB | | | 1850.7 | 18607 | 22.02 | 23 | 0-1 |
| | | | | | 1880 | 18900 | 22.13 | 23 | 0-1 |
| | | | | | 1909.3 | 19193 | 21.94 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1850.7 | 18607 | 22.39 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.47 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.27 | 23 | 0-1 | |
| | | | 2 | 1850.7 | 18607 | 22.37 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.44 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.22 | 23 | 0-1 | |
| | | | 5 | 1850.7 | 18607 | 22.38 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.41 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.21 | 23 | 0-1 | |
| | | 3 RB | 0 | 1850.7 | 18607 | 22.16 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.27 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.04 | 23 | 0-1 | |
| | | | 2 | 1850.7 | 18607 | 22.13 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.21 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.04 | 23 | 0-1 | |
| | | | 3 | 1850.7 | 18607 | 22.11 | 23 | 0-1 | |
| | | | | 1880 | 18900 | 22.26 | 23 | 0-1 | |
| | | | | 1909.3 | 19193 | 22.05 | 23 | 0-1 | |
| | | 6RB | | | 1850.7 | 18607 | 21.11 | 22 | 0-2 |
| | | | | | 1880 | 18900 | 21.13 | 22 | 0-2 |
| | | | | | 1909.3 | 19193 | 21.01 | 22 | 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 | 21.82 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.85 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.98 | 22 | 0-2 |
| | | | 2 | 1850.7 | 18607 | 21.95 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.80 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.89 | 22 | 0-2 |
| | | | 5 | 1850.7 | 18607 | 21.81 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.93 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.94 | 22 | 0-2 |
| | | 3 RB | 0 | 1850.7 | 18607 | 21.79 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.88 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.84 | 22 | 0-2 |
| | | | 2 | 1850.7 | 18607 | 21.80 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.88 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.81 | 22 | 0-2 |
| | | | 3 | 1850.7 | 18607 | 21.98 | 22 | 0-2 |
| | | | | 1880 | 18900 | 21.88 | 22 | 0-2 |
| | | | | 1909.3 | 19193 | 21.93 | 22 | 0-2 |
| | | 6RB | | 1850.7 | 18607 | 20.95 | 21 | 0-3 |
| | | | | 1880 | 18900 | 20.85 | 21 | 0-3 |
| | | | | 1909.3 | 19193 | 20.92 | 21 | 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 | 23.17 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 23.12 | 24 | 0 | |
| | | | | 1745 | 20300 | 23.01 | 24 | 0 | |
| | | | 50 | 1720 | 20050 | 22.97 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.91 | 24 | 0 | |
| | | | | 1745 | 20300 | 22.86 | 24 | 0 | |
| | | | 99 | 1720 | 20050 | 22.98 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.87 | 24 | 0 | |
| | | | | 1745 | 20300 | 22.84 | 24 | 0 | |
| | | 50 RB | 0 | 1720 | 20050 | 22.10 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.06 | 23 | 0-1 | |
| | | | | 1745 | 20300 | 21.98 | 23 | 0-1 | |
| | | | 25 | 1720 | 20050 | 22.00 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.96 | 23 | 0-1 | |
| | | | | 1745 | 20300 | 21.94 | 23 | 0-1 | |
| | | | 50 | 1720 | 20050 | 22.06 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.90 | 23 | 0-1 | |
| | | | | 1745 | 20300 | 21.93 | 23 | 0-1 | |
| | | 100RB | | | 1720 | 20050 | 22.03 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.04 | 23 | 0-1 |
| | | | | | 1745 | 20300 | 21.96 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1720 | 20050 | 22.54 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.46 | 23 | 0-1 |
| | | | | | 1745 | 20300 | 22.31 | 23 | 0-1 |
| | | | | 50 | 1720 | 20050 | 22.33 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.23 | 23 | 0-1 |
| | | | | | 1745 | 20300 | 22.25 | 23 | 0-1 |
| | 99 | | | 1720 | 20050 | 22.22 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.22 | 23 | 0-1 | |
| | | | | 1745 | 20300 | 22.18 | 23 | 0-1 | |
| | 50 RB | | | 0 | 1720 | 20050 | 21.10 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 21.07 | 22 | 0-2 |
| | | | | | 1745 | 20300 | 21.02 | 22 | 0-2 |
| | | | | 25 | 1720 | 20050 | 21.02 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 20.99 | 22 | 0-2 |
| | | | | | 1745 | 20300 | 20.98 | 22 | 0-2 |
| | 50 | | 1720 | 20050 | 21.09 | 22 | 0-2 | | |
| | | | 1732.5 | 20175 | 20.94 | 22 | 0-2 | | |
| | | | 1745 | 20300 | 20.96 | 22 | 0-2 | | |
| | 100RB | | | 1720 | 20050 | 21.05 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 21.05 | 22 | 0-2 | |
| | | | | 1745 | 20300 | 21.00 | 22 | 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 | 21.84 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.92 | 22 | 0-2 |
| | | | | 1745 | 20300 | 21.90 | 22 | 0-2 |
| | | | 50 | 1720 | 20050 | 21.84 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.90 | 22 | 0-2 |
| | | | | 1745 | 20300 | 21.90 | 22 | 0-2 |
| | | | 99 | 1720 | 20050 | 21.88 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.80 | 22 | 0-2 |
| | | | | 1745 | 20300 | 21.80 | 22 | 0-2 |
| | | 50 RB | 0 | 1720 | 20050 | 20.97 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.92 | 21 | 0-3 |
| | | | | 1745 | 20300 | 20.83 | 21 | 0-3 |
| | | | 25 | 1720 | 20050 | 20.81 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.85 | 21 | 0-3 |
| | | | | 1745 | 20300 | 20.79 | 21 | 0-3 |
| | | | 50 | 1720 | 20050 | 20.81 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.85 | 21 | 0-3 |
| | | | | 1745 | 20300 | 20.92 | 21 | 0-3 |
| | | 100RB | | 1720 | 20050 | 20.92 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.94 | 21 | 0-3 |
| | | | | 1745 | 20300 | 20.79 | 21 | 0-3 |

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| FDD Band 4 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 1717.5 | 20025 | 23.01 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 23.08 | 24 | 0 | |
| | | | | 1747.5 | 20325 | 22.87 | 24 | 0 | |
| | | | 36 | 1717.5 | 20025 | 22.82 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.75 | 24 | 0 | |
| | | | | 1747.5 | 20325 | 22.82 | 24 | 0 | |
| | | | 74 | 1717.5 | 20025 | 22.89 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.74 | 24 | 0 | |
| | | | | 1747.5 | 20325 | 22.66 | 24 | 0 | |
| | | 36 RB | 0 | 1717.5 | 20025 | 21.97 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.91 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 21.90 | 23 | 0-1 | |
| | | | 18 | 1717.5 | 20025 | 21.93 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.85 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 21.81 | 23 | 0-1 | |
| | | | 37 | 1717.5 | 20025 | 21.90 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.84 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 21.89 | 23 | 0-1 | |
| | | 75RB | | | 1717.5 | 20025 | 21.89 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 21.85 | 23 | 0-1 |
| | | | | | 1747.5 | 20325 | 21.94 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1717.5 | 20025 | 22.46 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.43 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 22.10 | 23 | 0-1 | |
| | | | 36 | 1717.5 | 20025 | 22.15 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.17 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 22.18 | 23 | 0-1 | |
| | | | 74 | 1717.5 | 20025 | 22.14 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.19 | 23 | 0-1 | |
| | | | | 1747.5 | 20325 | 22.07 | 23 | 0-1 | |
| | | 36 RB | 0 | 1717.5 | 20025 | 20.98 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 21.00 | 22 | 0-2 | |
| | | | | 1747.5 | 20325 | 20.88 | 22 | 0-2 | |
| | | | 18 | 1717.5 | 20025 | 21.00 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.86 | 22 | 0-2 | |
| | | | | 1747.5 | 20325 | 20.93 | 22 | 0-2 | |
| | | | 37 | 1717.5 | 20025 | 21.07 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.79 | 22 | 0-2 | |
| | | | | 1747.5 | 20325 | 20.85 | 22 | 0-2 | |
| | | 75RB | | | 1717.5 | 20025 | 20.99 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 20.95 | 22 | 0-2 |
| | | | | | 1747.5 | 20325 | 20.82 | 22 | 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 | 20025 | 21.63 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.90 | 22 | 0-2 |
| | | | | 1747.5 | 20325 | 21.85 | 22 | 0-2 |
| | | | 36 | 1717.5 | 20025 | 21.67 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.74 | 22 | 0-2 |
| | | | | 1747.5 | 20325 | 21.80 | 22 | 0-2 |
| | | | 74 | 1717.5 | 20025 | 21.69 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.67 | 22 | 0-2 |
| | | | | 1747.5 | 20325 | 21.64 | 22 | 0-2 |
| | | 36 RB | 0 | 1717.5 | 20025 | 20.76 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.81 | 21 | 0-3 |
| | | | | 1747.5 | 20325 | 20.77 | 21 | 0-3 |
| | | | 18 | 1717.5 | 20025 | 20.75 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.74 | 21 | 0-3 |
| | | | | 1747.5 | 20325 | 20.63 | 21 | 0-3 |
| | | | 37 | 1717.5 | 20025 | 20.71 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.65 | 21 | 0-3 |
| | | | | 1747.5 | 20325 | 20.72 | 21 | 0-3 |
| | | 75RB | | 1717.5 | 20025 | 20.86 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.83 | 21 | 0-3 |
| | | | | 1747.5 | 20325 | 20.72 | 21 | 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 | 22.91 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.88 | 24 | 0 | |
| | | | | 1750 | 20350 | 22.73 | 24 | 0 | |
| | | | 25 | 1715 | 20000 | 22.74 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.54 | 24 | 0 | |
| | | | | 1750 | 20350 | 22.66 | 24 | 0 | |
| | | | 49 | 1715 | 20000 | 22.68 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.56 | 24 | 0 | |
| | | | | 1750 | 20350 | 22.59 | 24 | 0 | |
| | | 25 RB | 0 | 1715 | 20000 | 21.94 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.85 | 23 | 0-1 | |
| | | | | 1750 | 20350 | 21.78 | 23 | 0-1 | |
| | | | 12 | 1715 | 20000 | 21.81 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.80 | 23 | 0-1 | |
| | | | | 1750 | 20350 | 21.62 | 23 | 0-1 | |
| | | | 25 | 1715 | 20000 | 21.73 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.71 | 23 | 0-1 | |
| | | | | 1750 | 20350 | 21.71 | 23 | 0-1 | |
| | | 50RB | | | 1715 | 20000 | 21.72 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 21.82 | 23 | 0-1 |
| | | | | | 1750 | 20350 | 21.81 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1715 | 20000 | 22.39 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.34 | 23 | 0-1 |
| | | | | | 1750 | 20350 | 22.06 | 23 | 0-1 |
| | | | | 25 | 1715 | 20000 | 22.08 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.11 | 23 | 0-1 |
| | | | | | 1750 | 20350 | 22.00 | 23 | 0-1 |
| | 49 | | | 1715 | 20000 | 21.96 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.14 | 23 | 0-1 | |
| | | | | 1750 | 20350 | 21.95 | 23 | 0-1 | |
| | 25 RB | | | 0 | 1715 | 20000 | 20.82 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 20.89 | 22 | 0-2 |
| | | | | | 1750 | 20350 | 20.75 | 22 | 0-2 |
| | | | | 12 | 1715 | 20000 | 20.89 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 20.79 | 22 | 0-2 |
| | | | | | 1750 | 20350 | 20.80 | 22 | 0-2 |
| | | | 25 | 1715 | 20000 | 20.87 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.71 | 22 | 0-2 | |
| | | | | 1750 | 20350 | 20.73 | 22 | 0-2 | |
| | 50RB | | | 1715 | 20000 | 20.92 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.82 | 22 | 0-2 | |
| | | | | 1750 | 20350 | 20.69 | 22 | 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 | 21.55 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.78 | 22 | 0-2 |
| | | | | 1750 | 20350 | 21.81 | 22 | 0-2 |
| | | | 25 | 1715 | 20000 | 21.47 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.58 | 22 | 0-2 |
| | | | | 1750 | 20350 | 21.61 | 22 | 0-2 |
| | | | 49 | 1715 | 20000 | 21.66 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.57 | 22 | 0-2 |
| | | | | 1750 | 20350 | 21.62 | 22 | 0-2 |
| | | 25 RB | 0 | 1715 | 20000 | 20.73 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.65 | 21 | 0-3 |
| | | | | 1750 | 20350 | 20.65 | 21 | 0-3 |
| | | | 12 | 1715 | 20000 | 20.73 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.66 | 21 | 0-3 |
| | | | | 1750 | 20350 | 20.61 | 21 | 0-3 |
| | | | 25 | 1715 | 20000 | 20.67 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.58 | 21 | 0-3 |
| | | | | 1750 | 20350 | 20.54 | 21 | 0-3 |
| | | 50RB | | 1715 | 20000 | 20.66 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.66 | 21 | 0-3 |
| | | | | 1750 | 20350 | 20.65 | 21 | 0-3 |

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| FDD Band 4 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 1712.5 | 19975 | 22.85 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.77 | 24 | 0 | |
| | | | | 1752.5 | 20375 | 22.53 | 24 | 0 | |
| | | | 12 | 1712.5 | 19975 | 22.64 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.43 | 24 | 0 | |
| | | | | 1752.5 | 20375 | 22.47 | 24 | 0 | |
| | | | 24 | 1712.5 | 19975 | 22.48 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.37 | 24 | 0 | |
| | | | | 1752.5 | 20375 | 22.47 | 24 | 0 | |
| | | 12 RB | 0 | 1712.5 | 19975 | 21.77 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.83 | 23 | 0-1 | |
| | | | | 1752.5 | 20375 | 21.57 | 23 | 0-1 | |
| | | | 6 | 1712.5 | 19975 | 21.67 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.72 | 23 | 0-1 | |
| | | | | 1752.5 | 20375 | 21.57 | 23 | 0-1 | |
| | | | 13 | 1712.5 | 19975 | 21.64 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.53 | 23 | 0-1 | |
| | | | | 1752.5 | 20375 | 21.55 | 23 | 0-1 | |
| | | 25RB | | | 1712.5 | 19975 | 21.52 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 21.71 | 23 | 0-1 |
| | | | | | 1752.5 | 20375 | 21.70 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1712.5 | 19975 | 22.30 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.22 | 23 | 0-1 |
| | | | | | 1752.5 | 20375 | 21.95 | 23 | 0-1 |
| | | | | 12 | 1712.5 | 19975 | 21.88 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.08 | 23 | 0-1 |
| | | | | | 1752.5 | 20375 | 21.89 | 23 | 0-1 |
| | 24 | | | 1712.5 | 19975 | 21.86 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.02 | 23 | 0-1 | |
| | | | | 1752.5 | 20375 | 21.85 | 23 | 0-1 | |
| | 12 RB | | 0 | 1712.5 | 19975 | 20.64 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.76 | 22 | 0-2 | |
| | | | | 1752.5 | 20375 | 20.60 | 22 | 0-2 | |
| | | | 6 | 1712.5 | 19975 | 20.73 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.67 | 22 | 0-2 | |
| | | | | 1752.5 | 20375 | 20.78 | 22 | 0-2 | |
| | | | 13 | 1712.5 | 19975 | 20.68 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.51 | 22 | 0-2 | |
| | | | | 1752.5 | 20375 | 20.69 | 22 | 0-2 | |
| | 25RB | | | 1712.5 | 19975 | 20.78 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.72 | 22 | 0-2 | |
| | | | | 1752.5 | 20375 | 20.49 | 22 | 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 | 21.42 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.64 | 22 | 0-2 |
| | | | | 1752.5 | 20375 | 21.69 | 22 | 0-2 |
| | | | 12 | 1712.5 | 19975 | 21.27 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.47 | 22 | 0-2 |
| | | | | 1752.5 | 20375 | 21.44 | 22 | 0-2 |
| | | | 24 | 1712.5 | 19975 | 21.60 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.41 | 22 | 0-2 |
| | | | | 1752.5 | 20375 | 21.57 | 22 | 0-2 |
| | | 12 RB | 0 | 1712.5 | 19975 | 20.63 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.54 | 21 | 0-3 |
| | | | | 1752.5 | 20375 | 20.51 | 21 | 0-3 |
| | | | 6 | 1712.5 | 19975 | 20.69 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.50 | 21 | 0-3 |
| | | | | 1752.5 | 20375 | 20.40 | 21 | 0-3 |
| | | | 13 | 1712.5 | 19975 | 20.54 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.50 | 21 | 0-3 |
| | | | | 1752.5 | 20375 | 20.49 | 21 | 0-3 |
| | | 25RB | | 1712.5 | 19975 | 20.49 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.49 | 21 | 0-3 |
| | | | | 1752.5 | 20375 | 20.50 | 21 | 0-3 |

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| FDD Band 4 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 1711.5 | 19965 | 22.66 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.68 | 24 | 0 | |
| | | | | 1753.5 | 20385 | 22.34 | 24 | 0 | |
| | | | 7 | 1711.5 | 19965 | 22.56 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.29 | 24 | 0 | |
| | | | | 1753.5 | 20385 | 22.31 | 24 | 0 | |
| | | | 14 | 1711.5 | 19965 | 22.37 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.30 | 24 | 0 | |
| | | | | 1753.5 | 20385 | 22.26 | 24 | 0 | |
| | | 8 RB | 0 | 1711.5 | 19965 | 21.60 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.69 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.50 | 23 | 0-1 | |
| | | | 4 | 1711.5 | 19965 | 21.63 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.69 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.51 | 23 | 0-1 | |
| | | | 7 | 1711.5 | 19965 | 21.60 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.50 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.42 | 23 | 0-1 | |
| | | 15RB | | | 1711.5 | 19965 | 21.31 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 21.65 | 23 | 0-1 |
| | | | | | 1753.5 | 20385 | 21.59 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1711.5 | 19965 | 22.10 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.13 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.86 | 23 | 0-1 | |
| | | | 7 | 1711.5 | 19965 | 21.83 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.95 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.76 | 23 | 0-1 | |
| | | | 14 | 1711.5 | 19965 | 21.75 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 21.84 | 23 | 0-1 | |
| | | | | 1753.5 | 20385 | 21.64 | 23 | 0-1 | |
| | | 8 RB | 0 | 1711.5 | 19965 | 20.52 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.73 | 22 | 0-2 | |
| | | | | 1753.5 | 20385 | 20.52 | 22 | 0-2 | |
| | | | 4 | 1711.5 | 19965 | 20.70 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.49 | 22 | 0-2 | |
| | | | | 1753.5 | 20385 | 20.66 | 22 | 0-2 | |
| | | | 7 | 1711.5 | 19965 | 20.54 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 20.42 | 22 | 0-2 | |
| | | | | 1753.5 | 20385 | 20.53 | 22 | 0-2 | |
| | | 15RB | | | 1711.5 | 19965 | 20.70 | 22 | 0-2 |
| | | | | | 1732.5 | 20175 | 20.51 | 22 | 0-2 |
| | | | | | 1753.5 | 20385 | 20.28 | 22 | 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 | 21.28 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.49 | 22 | 0-2 |
| | | | | 1753.5 | 20385 | 21.50 | 22 | 0-2 |
| | | | 7 | 1711.5 | 19965 | 21.21 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.44 | 22 | 0-2 |
| | | | | 1753.5 | 20385 | 21.24 | 22 | 0-2 |
| | | | 14 | 1711.5 | 19965 | 21.55 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.21 | 22 | 0-2 |
| | | | | 1753.5 | 20385 | 21.50 | 22 | 0-2 |
| | | 8 RB | 0 | 1711.5 | 19965 | 20.58 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.44 | 21 | 0-3 |
| | | | | 1753.5 | 20385 | 20.31 | 21 | 0-3 |
| | | | 4 | 1711.5 | 19965 | 20.67 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.44 | 21 | 0-3 |
| | | | | 1753.5 | 20385 | 20.21 | 21 | 0-3 |
| | | | 7 | 1711.5 | 19965 | 20.33 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.30 | 21 | 0-3 |
| | | | | 1753.5 | 20385 | 20.36 | 21 | 0-3 |
| | | 15RB | | 1711.5 | 19965 | 20.28 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.37 | 21 | 0-3 |
| | | | | 1753.5 | 20385 | 20.37 | 21 | 0-3 |

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| FDD Band 4 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 1710.7 | 19957 | 23.09 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.97 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.87 | 24 | 0 | |
| | | | 2 | 1710.7 | 19957 | 23.09 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.94 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.79 | 24 | 0 | |
| | | | 5 | 1710.7 | 19957 | 23.10 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.98 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.80 | 24 | 0 | |
| | | 3 RB | 0 | 1710.7 | 19957 | 23.07 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.94 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.77 | 24 | 0 | |
| | | | 2 | 1710.7 | 19957 | 23.04 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.94 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.77 | 24 | 0 | |
| | | | 3 | 1710.7 | 19957 | 23.06 | 24 | 0 | |
| | | | | 1732.5 | 20175 | 22.94 | 24 | 0 | |
| | | | | 1754.3 | 20393 | 22.78 | 24 | 0 | |
| | | 6RB | | | 1710.7 | 19957 | 22.09 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 21.98 | 23 | 0-1 |
| | | | | | 1754.3 | 20393 | 21.79 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1710.7 | 19957 | 22.42 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.29 | 23 | 0-1 |
| | | | | | 1754.3 | 20393 | 22.24 | 23 | 0-1 |
| | | | | 2 | 1710.7 | 19957 | 22.42 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.17 | 23 | 0-1 |
| | | | | | 1754.3 | 20393 | 21.98 | 23 | 0-1 |
| | 5 | | | 1710.7 | 19957 | 22.47 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.26 | 23 | 0-1 | |
| | | | | 1754.3 | 20393 | 22.17 | 23 | 0-1 | |
| | 3 RB | | | 0 | 1710.7 | 19957 | 22.20 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.10 | 23 | 0-1 |
| | | | | | 1754.3 | 20393 | 21.91 | 23 | 0-1 |
| | | | | 2 | 1710.7 | 19957 | 22.22 | 23 | 0-1 |
| | | | | | 1732.5 | 20175 | 22.07 | 23 | 0-1 |
| | | | | | 1754.3 | 20393 | 21.91 | 23 | 0-1 |
| | | | 3 | 1710.7 | 19957 | 22.20 | 23 | 0-1 | |
| | | | | 1732.5 | 20175 | 22.07 | 23 | 0-1 | |
| | | | | 1754.3 | 20393 | 21.94 | 23 | 0-1 | |
| | 6RB | | | 1710.7 | 19957 | 21.17 | 22 | 0-2 | |
| | | | | 1732.5 | 20175 | 21.05 | 22 | 0-2 | |
| | | | | 1754.3 | 20393 | 20.91 | 22 | 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 | 21.83 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.93 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 21.82 | 22 | 0-2 |
| | | | 2 | 1710.7 | 19957 | 21.94 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.89 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 21.81 | 22 | 0-2 |
| | | | 5 | 1710.7 | 19957 | 21.94 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.99 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 21.94 | 22 | 0-2 |
| | | 3 RB | 0 | 1710.7 | 19957 | 21.96 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.82 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 21.82 | 22 | 0-2 |
| | | | 2 | 1710.7 | 19957 | 21.97 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.86 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 22.00 | 22 | 0-2 |
| | | | 3 | 1710.7 | 19957 | 21.95 | 22 | 0-2 |
| | | | | 1732.5 | 20175 | 21.90 | 22 | 0-2 |
| | | | | 1754.3 | 20393 | 21.90 | 22 | 0-2 |
| | | 6RB | | 1710.7 | 19957 | 20.93 | 21 | 0-3 |
| | | | | 1732.5 | 20175 | 20.89 | 21 | 0-3 |
| | | | | 1754.3 | 20393 | 20.87 | 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) | |
| 10 | QPSK | 1 RB | 0 | 829 | 20450 | 23.75 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.82 | 25 | 0 | |
| | | | | 844 | 20600 | 23.76 | 25 | 0 | |
| | | | 25 | 829 | 20450 | 23.71 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.76 | 25 | 0 | |
| | | | | 844 | 20600 | 23.70 | 25 | 0 | |
| | | | 49 | 829 | 20450 | 23.81 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.83 | 25 | 0 | |
| | | | | 844 | 20600 | 23.79 | 25 | 0 | |
| | | 25 RB | 0 | 829 | 20450 | 22.69 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.81 | 24 | 0-1 | |
| | | | | 844 | 20600 | 22.76 | 24 | 0-1 | |
| | | | 12 | 829 | 20450 | 22.73 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.74 | 24 | 0-1 | |
| | | | | 844 | 20600 | 22.70 | 24 | 0-1 | |
| | | | 25 | 829 | 20450 | 22.78 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.73 | 24 | 0-1 | |
| | | | | 844 | 20600 | 22.67 | 24 | 0-1 | |
| | | 50RB | | | 829 | 20450 | 22.75 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.78 | 24 | 0-1 |
| | | | | | 844 | 20600 | 22.74 | 24 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 829 | 20450 | 22.18 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.21 | 24 | 0-1 |
| | | | | | 844 | 20600 | 22.12 | 24 | 0-1 |
| | | | | 25 | 829 | 20450 | 22.17 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.22 | 24 | 0-1 |
| | | | | | 844 | 20600 | 22.05 | 24 | 0-1 |
| | 49 | | | 829 | 20450 | 22.23 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.20 | 24 | 0-1 | |
| | | | | 844 | 20600 | 22.07 | 24 | 0-1 | |
| | 25 RB | | 0 | 829 | 20450 | 21.69 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.79 | 23 | 0-2 | |
| | | | | 844 | 20600 | 21.76 | 23 | 0-2 | |
| | | | 12 | 829 | 20450 | 21.74 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.76 | 23 | 0-2 | |
| | | | | 844 | 20600 | 21.69 | 23 | 0-2 | |
| | | | 25 | 829 | 20450 | 21.79 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.73 | 23 | 0-2 | |
| | | | | 844 | 20600 | 21.66 | 23 | 0-2 | |
| | 500RB | | | 829 | 20450 | 21.76 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.76 | 23 | 0-2 | |
| | | | | 844 | 20600 | 21.73 | 23 | 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 | 21.95 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 22.03 | 23 | 0-2 |
| | | | | 844 | 20600 | 21.96 | 23 | 0-2 |
| | | | 25 | 829 | 20450 | 21.97 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.93 | 23 | 0-2 |
| | | | | 844 | 20600 | 21.92 | 23 | 0-2 |
| | | | 49 | 829 | 20450 | 22.03 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 22.05 | 23 | 0-2 |
| | | | | 844 | 20600 | 21.98 | 23 | 0-2 |
| | | 25 RB | 0 | 829 | 20450 | 20.78 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.87 | 22 | 0-3 |
| | | | | 844 | 20600 | 20.83 | 22 | 0-3 |
| | | | 12 | 829 | 20450 | 20.83 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.83 | 22 | 0-3 |
| | | | | 844 | 20600 | 20.77 | 22 | 0-3 |
| | | | 25 | 829 | 20450 | 20.88 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.82 | 22 | 0-3 |
| | | | | 844 | 20600 | 20.74 | 22 | 0-3 |
| | | 500RB | | 829 | 20450 | 20.86 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.87 | 22 | 0-3 |
| | | | | 844 | 20600 | 20.82 | 22 | 0-3 |

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| FDD Band 5 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 826.5 | 20425 | 23.64 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.78 | 25 | 0 | |
| | | | | 846.5 | 20625 | 23.68 | 25 | 0 | |
| | | | 12 | 826.5 | 20425 | 23.51 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.72 | 25 | 0 | |
| | | | | 846.5 | 20625 | 23.61 | 25 | 0 | |
| | | | 24 | 826.5 | 20425 | 23.76 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.76 | 25 | 0 | |
| | | | | 846.5 | 20625 | 23.70 | 25 | 0 | |
| | | 12 RB | 0 | 826.5 | 20425 | 22.55 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.61 | 24 | 0-1 | |
| | | | | 846.5 | 20625 | 22.67 | 24 | 0-1 | |
| | | | 6 | 826.5 | 20425 | 22.65 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.54 | 24 | 0-1 | |
| | | | | 846.5 | 20625 | 22.56 | 24 | 0-1 | |
| | | | 13 | 826.5 | 20425 | 22.68 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.52 | 24 | 0-1 | |
| | | | | 846.5 | 20625 | 22.54 | 24 | 0-1 | |
| | | 25RB | | | 826.5 | 20425 | 22.69 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.61 | 24 | 0-1 |
| | | | | | 846.5 | 20625 | 22.64 | 24 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 826.5 | 20425 | 22.02 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.17 | 24 | 0-1 |
| | | | | | 846.5 | 20625 | 22.32 | 24 | 0-1 |
| | | | | 12 | 826.5 | 20425 | 22.07 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.06 | 24 | 0-1 |
| | | | | | 846.5 | 20625 | 22.31 | 24 | 0-1 |
| | 24 | | | 826.5 | 20425 | 22.05 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.02 | 24 | 0-1 | |
| | | | | 846.5 | 20625 | 22.00 | 24 | 0-1 | |
| | 12 RB | | | 0 | 826.5 | 20425 | 21.62 | 23 | 0-2 |
| | | | | | 836.5 | 20525 | 21.77 | 23 | 0-2 |
| | | | | | 846.5 | 20625 | 21.68 | 23 | 0-2 |
| | | | 6 | 826.5 | 20425 | 21.57 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.59 | 23 | 0-2 | |
| | | | | 846.5 | 20625 | 21.52 | 23 | 0-2 | |
| | | | 13 | 826.5 | 20425 | 21.66 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.63 | 23 | 0-2 | |
| | | | | 846.5 | 20625 | 21.57 | 23 | 0-2 | |
| | 25RB | | | 826.5 | 20425 | 21.70 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.61 | 23 | 0-2 | |
| | | | | 846.5 | 20625 | 21.69 | 23 | 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 | 21.75 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.86 | 23 | 0-2 |
| | | | | 846.5 | 20625 | 21.91 | 23 | 0-2 |
| | | | 12 | 826.5 | 20425 | 21.89 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.78 | 23 | 0-2 |
| | | | | 846.5 | 20625 | 21.88 | 23 | 0-2 |
| | | | 24 | 826.5 | 20425 | 21.96 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 22.02 | 23 | 0-2 |
| | | | | 846.5 | 20625 | 21.92 | 23 | 0-2 |
| | | 12 RB | 0 | 826.5 | 20425 | 20.68 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.82 | 22 | 0-3 |
| | | | | 846.5 | 20625 | 20.78 | 22 | 0-3 |
| | | | 6 | 826.5 | 20425 | 20.65 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.81 | 22 | 0-3 |
| | | | | 846.5 | 20625 | 20.73 | 22 | 0-3 |
| | | | 13 | 826.5 | 20425 | 20.71 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.72 | 22 | 0-3 |
| | | | | 846.5 | 20625 | 20.67 | 22 | 0-3 |
| | | 25RB | | 826.5 | 20425 | 20.67 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.79 | 22 | 0-3 |
| | | | | 846.5 | 20625 | 20.77 | 22 | 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 | 23.50 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.65 | 25 | 0 | |
| | | | | 847.5 | 20635 | 23.66 | 25 | 0 | |
| | | | 7 | 825.5 | 20415 | 23.43 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.60 | 25 | 0 | |
| | | | | 847.5 | 20635 | 23.56 | 25 | 0 | |
| | | | 14 | 825.5 | 20415 | 23.55 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.62 | 25 | 0 | |
| | | | | 847.5 | 20635 | 23.60 | 25 | 0 | |
| | | 8 RB | 0 | 825.5 | 20415 | 22.43 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.51 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.55 | 24 | 0-1 | |
| | | | 4 | 825.5 | 20415 | 22.50 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.44 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.35 | 24 | 0-1 | |
| | | | 7 | 825.5 | 20415 | 22.53 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.48 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.40 | 24 | 0-1 | |
| | | 15RB | | | 825.5 | 20415 | 22.65 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.42 | 24 | 0-1 |
| | | | | | 847.5 | 20635 | 22.61 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 825.5 | 20415 | 22.44 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.46 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.34 | 24 | 0-1 | |
| | | | 7 | 825.5 | 20415 | 22.39 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.47 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.32 | 24 | 0-1 | |
| | | | 14 | 825.5 | 20415 | 22.38 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.32 | 24 | 0-1 | |
| | | | | 847.5 | 20635 | 22.44 | 24 | 0-1 | |
| | | 8 RB | 0 | 825.5 | 20415 | 21.44 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.61 | 23 | 0-2 | |
| | | | | 847.5 | 20635 | 21.56 | 23 | 0-2 | |
| | | | 4 | 825.5 | 20415 | 21.50 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.50 | 23 | 0-2 | |
| | | | | 847.5 | 20635 | 21.45 | 23 | 0-2 | |
| | | | 7 | 825.5 | 20415 | 21.45 | 23 | 0-2 | |
| | | | | 836.5 | 20525 | 21.45 | 23 | 0-2 | |
| | | | | 847.5 | 20635 | 21.54 | 23 | 0-2 | |
| | | 15RB | | | 825.5 | 20415 | 21.65 | 23 | 0-2 |
| | | | | | 836.5 | 20525 | 21.43 | 23 | 0-2 |
| | | | | | 847.5 | 20635 | 21.51 | 23 | 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 | 21.68 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.69 | 23 | 0-2 |
| | | | | 847.5 | 20635 | 21.86 | 23 | 0-2 |
| | | | 7 | 825.5 | 20415 | 21.68 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.76 | 23 | 0-2 |
| | | | | 847.5 | 20635 | 21.81 | 23 | 0-2 |
| | | | 14 | 825.5 | 20415 | 21.92 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.97 | 23 | 0-2 |
| | | | | 847.5 | 20635 | 21.83 | 23 | 0-2 |
| | | 8 RB | 0 | 825.5 | 20415 | 20.54 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.66 | 22 | 0-3 |
| | | | | 847.5 | 20635 | 20.61 | 22 | 0-3 |
| | | | 4 | 825.5 | 20415 | 20.57 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.68 | 22 | 0-3 |
| | | | | 847.5 | 20635 | 20.54 | 22 | 0-3 |
| | | | 7 | 825.5 | 20415 | 20.59 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.57 | 22 | 0-3 |
| | | | | 847.5 | 20635 | 20.46 | 22 | 0-3 |
| | | 15RB | | 825.5 | 20415 | 20.64 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.66 | 22 | 0-3 |
| | | | | 847.5 | 20635 | 20.71 | 22 | 0-3 |

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| FDD Band 5 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 824.7 | 20407 | 23.63 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.69 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.64 | 25 | 0 | |
| | | | 2 | 824.7 | 20407 | 23.60 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.68 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.59 | 25 | 0 | |
| | | | 5 | 824.7 | 20407 | 23.63 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.70 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.62 | 25 | 0 | |
| | | 3 RB | 0 | 824.7 | 20407 | 23.61 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.67 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.60 | 25 | 0 | |
| | | | 2 | 824.7 | 20407 | 23.59 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.66 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.57 | 25 | 0 | |
| | | | 3 | 824.7 | 20407 | 23.60 | 25 | 0 | |
| | | | | 836.5 | 20525 | 23.68 | 25 | 0 | |
| | | | | 848.3 | 20643 | 23.43 | 25 | 0 | |
| | | 6RB | | | 824.7 | 20407 | 22.61 | 24 | 0-1 |
| | | | | | 836.5 | 20525 | 22.67 | 24 | 0-1 |
| | | | | | 848.3 | 20643 | 22.46 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 824.7 | 20407 | 22.95 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.99 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.87 | 24 | 0-1 | |
| | | | 2 | 824.7 | 20407 | 22.84 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 23.01 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.85 | 24 | 0-1 | |
| | | | 5 | 824.7 | 20407 | 22.69 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 23.01 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.84 | 24 | 0-1 | |
| | | 3 RB | 0 | 824.7 | 20407 | 22.70 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.77 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.66 | 24 | 0-1 | |
| | | | 2 | 824.7 | 20407 | 22.67 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.76 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.68 | 24 | 0-1 | |
| | | | 3 | 824.7 | 20407 | 22.68 | 24 | 0-1 | |
| | | | | 836.5 | 20525 | 22.77 | 24 | 0-1 | |
| | | | | 848.3 | 20643 | 22.65 | 24 | 0-1 | |
| | | 6RB | | | 824.7 | 20407 | 21.70 | 23 | 0-2 |
| | | | | | 836.5 | 20525 | 21.75 | 23 | 0-2 |
| | | | | | 848.3 | 20643 | 21.63 | 23 | 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 | 21.96 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.98 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.92 | 23 | 0-2 |
| | | | 2 | 824.7 | 20407 | 21.91 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.97 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.78 | 23 | 0-2 |
| | | | 5 | 824.7 | 20407 | 21.92 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 22.02 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.73 | 23 | 0-2 |
| | | 3 RB | 0 | 824.7 | 20407 | 21.71 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.89 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.79 | 23 | 0-2 |
| | | | 2 | 824.7 | 20407 | 21.86 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.91 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.83 | 23 | 0-2 |
| | | | 3 | 824.7 | 20407 | 21.86 | 23 | 0-2 |
| | | | | 836.5 | 20525 | 21.94 | 23 | 0-2 |
| | | | | 848.3 | 20643 | 21.82 | 23 | 0-2 |
| | | 6RB | | 824.7 | 20407 | 20.84 | 22 | 0-3 |
| | | | | 836.5 | 20525 | 20.90 | 22 | 0-3 |
| | | | | 848.3 | 20643 | 20.82 | 22 | 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 | 22.63 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.12 | 24 | 0 | |
| | | | | 2560 | 21350 | 23.11 | 24 | 0 | |
| | | | 50 | 2510 | 20850 | 23.06 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.08 | 24 | 0 | |
| | | | | 2560 | 21350 | 22.98 | 24 | 0 | |
| | | | 99 | 2510 | 20850 | 23.35 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.46 | 24 | 0 | |
| | | | | 2560 | 21350 | 22.94 | 24 | 0 | |
| | | 50 RB | 0 | 2510 | 20850 | 21.91 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.14 | 23 | 0-1 | |
| | | | | 2560 | 21350 | 22.10 | 23 | 0-1 | |
| | | | 25 | 2510 | 20850 | 22.11 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.19 | 23 | 0-1 | |
| | | | | 2560 | 21350 | 21.99 | 23 | 0-1 | |
| | | | 50 | 2510 | 20850 | 22.29 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.39 | 23 | 0-1 | |
| | | | | 2560 | 21350 | 21.84 | 23 | 0-1 | |
| | | 100RB | | | 2510 | 20850 | 22.16 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 22.25 | 23 | 0-1 |
| | | | | | 2560 | 21350 | 22.03 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2510 | 20850 | 21.74 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.93 | 23 | 0-1 |
| | | | | | 2560 | 21350 | 21.99 | 23 | 0-1 |
| | | | | 50 | 2510 | 20850 | 21.91 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 22.12 | 23 | 0-1 |
| | | | | | 2560 | 21350 | 21.87 | 23 | 0-1 |
| | 99 | | | 2510 | 20850 | 22.19 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.33 | 23 | 0-1 | |
| | | | | 2560 | 21350 | 21.70 | 23 | 0-1 | |
| | 50 RB | | | 0 | 2510 | 20850 | 20.71 | 22 | 0-2 |
| | | | | | 2535 | 21100 | 20.73 | 22 | 0-2 |
| | | | | | 2560 | 21350 | 20.95 | 22 | 0-2 |
| | | | 25 | 2510 | 20850 | 20.85 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 21.09 | 22 | 0-2 | |
| | | | | 2560 | 21350 | 20.73 | 22 | 0-2 | |
| | | | 50 | 2510 | 20850 | 21.00 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 21.17 | 22 | 0-2 | |
| | | | | 2560 | 21350 | 20.51 | 22 | 0-2 | |
| | 100RB | | | 2510 | 20850 | 20.72 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.81 | 22 | 0-2 | |
| | | | | 2560 | 21350 | 20.82 | 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 | 20.85 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.04 | 22 | 0-2 |
| | | | | 2560 | 21350 | 20.70 | 22 | 0-2 |
| | | | 50 | 2510 | 20850 | 20.98 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.20 | 22 | 0-2 |
| | | | | 2560 | 21350 | 20.54 | 22 | 0-2 |
| | | | 99 | 2510 | 20850 | 21.15 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.31 | 22 | 0-2 |
| | | | | 2560 | 21350 | 20.67 | 22 | 0-2 |
| | | 50 RB | 0 | 2510 | 20850 | 19.61 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.76 | 21 | 0-3 |
| | | | | 2560 | 21350 | 19.80 | 21 | 0-3 |
| | | | 25 | 2510 | 20850 | 19.82 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.92 | 21 | 0-3 |
| | | | | 2560 | 21350 | 19.79 | 21 | 0-3 |
| | | | 50 | 2510 | 20850 | 20.09 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.27 | 21 | 0-3 |
| | | | | 2560 | 21350 | 19.65 | 21 | 0-3 |
| | | 100RB | | 2510 | 20850 | 20.12 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.28 | 21 | 0-3 |
| | | | | 2560 | 21350 | 19.57 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 2507.5 | 20825 | 22.59 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.08 | 24 | 0 | |
| | | | | 2562.5 | 21375 | 22.93 | 24 | 0 | |
| | | | 36 | 2507.5 | 20825 | 22.96 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.95 | 24 | 0 | |
| | | | | 2562.5 | 21375 | 22.91 | 24 | 0 | |
| | | | 74 | 2507.5 | 20825 | 23.26 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.27 | 24 | 0 | |
| | | | | 2562.5 | 21375 | 22.77 | 24 | 0 | |
| | | 36 RB | 0 | 2507.5 | 20825 | 21.75 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 21.94 | 23 | 0-1 | |
| | | | | 2562.5 | 21375 | 21.95 | 23 | 0-1 | |
| | | | 18 | 2507.5 | 20825 | 21.94 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.09 | 23 | 0-1 | |
| | | | | 2562.5 | 21375 | 21.95 | 23 | 0-1 | |
| | | | 37 | 2507.5 | 20825 | 22.13 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.31 | 23 | 0-1 | |
| | | | | 2562.5 | 21375 | 21.65 | 23 | 0-1 | |
| | | 75RB | | | 2507.5 | 20825 | 21.99 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 22.04 | 23 | 0-1 |
| | | | | | 2562.5 | 21375 | 21.82 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2507.5 | 20825 | 21.68 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.77 | 23 | 0-1 |
| | | | | | 2562.5 | 21375 | 21.89 | 23 | 0-1 |
| | | | | 36 | 2507.5 | 20825 | 21.84 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 22.00 | 23 | 0-1 |
| | | | | | 2562.5 | 21375 | 21.79 | 23 | 0-1 |
| | 74 | | | 2507.5 | 20825 | 22.00 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.27 | 23 | 0-1 | |
| | | | | 2562.5 | 21375 | 21.54 | 23 | 0-1 | |
| | 36 RB | | | 0 | 2507.5 | 20825 | 20.55 | 22 | 0-2 |
| | | | | | 2535 | 21100 | 20.55 | 22 | 0-2 |
| | | | | | 2562.5 | 21375 | 20.80 | 22 | 0-2 |
| | | | | 18 | 2507.5 | 20825 | 20.69 | 22 | 0-2 |
| | | | | | 2535 | 21100 | 20.96 | 22 | 0-2 |
| | | | | | 2562.5 | 21375 | 20.53 | 22 | 0-2 |
| | | | 37 | 2507.5 | 20825 | 20.86 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 21.03 | 22 | 0-2 | |
| | | | | 2562.5 | 21375 | 20.45 | 22 | 0-2 | |
| | 75RB | | | 2507.5 | 20825 | 20.51 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.63 | 22 | 0-2 | |
| | | | | 2562.5 | 21375 | 20.71 | 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 | 20.70 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.98 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.68 | 22 | 0-2 |
| | | | 36 | 2507.5 | 20825 | 20.88 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.07 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.43 | 22 | 0-2 |
| | | | 74 | 2507.5 | 20825 | 20.96 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.16 | 22 | 0-2 |
| | | | | 2562.5 | 21375 | 20.56 | 22 | 0-2 |
| | | 36 RB | 0 | 2507.5 | 20825 | 19.52 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.56 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 19.65 | 21 | 0-3 |
| | | | 18 | 2507.5 | 20825 | 19.72 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.87 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 19.58 | 21 | 0-3 |
| | | | 37 | 2507.5 | 20825 | 20.03 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.07 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 19.55 | 21 | 0-3 |
| | | 75RB | | 2507.5 | 20825 | 19.94 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.18 | 21 | 0-3 |
| | | | | 2562.5 | 21375 | 19.42 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 10 | QPSK | 1 RB | 0 | 2505 | 20800 | 22.57 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.99 | 24 | 0 | |
| | | | | 2565 | 21400 | 22.85 | 24 | 0 | |
| | | | 25 | 2505 | 20800 | 22.76 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.91 | 24 | 0 | |
| | | | | 2565 | 21400 | 22.81 | 24 | 0 | |
| | | | 49 | 2505 | 20800 | 23.20 | 24 | 0 | |
| | | | | 2535 | 21100 | 23.11 | 24 | 0 | |
| | | | | 2565 | 21400 | 22.62 | 24 | 0 | |
| | | 25 RB | 0 | 2505 | 20800 | 21.59 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 21.90 | 23 | 0-1 | |
| | | | | 2565 | 21400 | 21.91 | 23 | 0-1 | |
| | | | 12 | 2505 | 20800 | 21.91 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 21.98 | 23 | 0-1 | |
| | | | | 2565 | 21400 | 21.77 | 23 | 0-1 | |
| | | | 25 | 2505 | 20800 | 21.98 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.14 | 23 | 0-1 | |
| | | | | 2565 | 21400 | 21.56 | 23 | 0-1 | |
| | | 50RB | | | 2505 | 20800 | 21.81 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.93 | 23 | 0-1 |
| | | | | | 2565 | 21400 | 21.72 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2505 | 20800 | 21.53 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.63 | 23 | 0-1 |
| | | | | | 2565 | 21400 | 21.71 | 23 | 0-1 |
| | | | | 25 | 2505 | 20800 | 21.71 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.92 | 23 | 0-1 |
| | | | | | 2565 | 21400 | 21.76 | 23 | 0-1 |
| | 49 | | | 2505 | 20800 | 21.85 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.06 | 23 | 0-1 | |
| | | | | 2565 | 21400 | 21.33 | 23 | 0-1 | |
| | 25 RB | | 0 | 2505 | 20800 | 20.52 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.53 | 22 | 0-2 | |
| | | | | 2565 | 21400 | 20.70 | 22 | 0-2 | |
| | | | 12 | 2505 | 20800 | 20.64 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.77 | 22 | 0-2 | |
| | | | | 2565 | 21400 | 20.33 | 22 | 0-2 | |
| | | | 25 | 2505 | 20800 | 20.65 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.95 | 22 | 0-2 | |
| | | | | 2565 | 21400 | 20.29 | 22 | 0-2 | |
| | 50RB | | | 2505 | 20800 | 20.43 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.46 | 22 | 0-2 | |
| | | | | 2565 | 21400 | 20.65 | 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 | 20.56 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.87 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.62 | 22 | 0-2 |
| | | | 25 | 2505 | 20800 | 20.70 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.99 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.35 | 22 | 0-2 |
| | | | 49 | 2505 | 20800 | 20.83 | 22 | 0-2 |
| | | | | 2535 | 21100 | 21.04 | 22 | 0-2 |
| | | | | 2565 | 21400 | 20.48 | 22 | 0-2 |
| | | 25 RB | 0 | 2505 | 20800 | 19.33 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.38 | 21 | 0-3 |
| | | | | 2565 | 21400 | 19.63 | 21 | 0-3 |
| | | | 12 | 2505 | 20800 | 19.67 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.76 | 21 | 0-3 |
| | | | | 2565 | 21400 | 19.38 | 21 | 0-3 |
| | | | 25 | 2505 | 20800 | 19.87 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.00 | 21 | 0-3 |
| | | | | 2565 | 21400 | 19.47 | 21 | 0-3 |
| | | 50RB | | 2505 | 20800 | 19.82 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.14 | 21 | 0-3 |
| | | | | 2565 | 21400 | 19.36 | 21 | 0-3 |

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| FDD Band 7 | | | | | | | | | |
|------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 2502.5 | 20775 | 22.44 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.80 | 24 | 0 | |
| | | | | 2567.5 | 21425 | 22.75 | 24 | 0 | |
| | | | 12 | 2502.5 | 20775 | 22.64 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.82 | 24 | 0 | |
| | | | | 2567.5 | 21425 | 22.78 | 24 | 0 | |
| | | | 24 | 2502.5 | 20775 | 23.04 | 24 | 0 | |
| | | | | 2535 | 21100 | 22.97 | 24 | 0 | |
| | | | | 2567.5 | 21425 | 22.59 | 24 | 0 | |
| | | 12 RB | 0 | 2502.5 | 20775 | 21.45 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 21.72 | 23 | 0-1 | |
| | | | | 2567.5 | 21425 | 21.80 | 23 | 0-1 | |
| | | | 6 | 2502.5 | 20775 | 21.84 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 21.86 | 23 | 0-1 | |
| | | | | 2567.5 | 21425 | 21.75 | 23 | 0-1 | |
| | | | 13 | 2502.5 | 20775 | 21.84 | 23 | 0-1 | |
| | | | | 2535 | 21100 | 22.02 | 23 | 0-1 | |
| | | | | 2567.5 | 21425 | 21.51 | 23 | 0-1 | |
| | | 25RB | | | 2502.5 | 20775 | 21.73 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.79 | 23 | 0-1 |
| | | | | | 2567.5 | 21425 | 21.67 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2502.5 | 20775 | 21.36 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.58 | 23 | 0-1 |
| | | | | | 2567.5 | 21425 | 21.67 | 23 | 0-1 |
| | | | | 12 | 2502.5 | 20775 | 21.58 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.80 | 23 | 0-1 |
| | | | | | 2567.5 | 21425 | 21.73 | 23 | 0-1 |
| | | | | 24 | 2502.5 | 20775 | 21.73 | 23 | 0-1 |
| | | | | | 2535 | 21100 | 21.98 | 23 | 0-1 |
| | | | | | 2567.5 | 21425 | 21.16 | 23 | 0-1 |
| | 12 RB | | | 0 | 2502.5 | 20775 | 20.50 | 22 | 0-2 |
| | | | | | 2535 | 21100 | 20.35 | 22 | 0-2 |
| | | | | | 2567.5 | 21425 | 20.55 | 22 | 0-2 |
| | | | | 6 | 2502.5 | 20775 | 20.54 | 22 | 0-2 |
| | | | | | 2535 | 21100 | 20.63 | 22 | 0-2 |
| | | | | | 2567.5 | 21425 | 20.29 | 22 | 0-2 |
| | | | 13 | 2502.5 | 20775 | 20.51 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.80 | 22 | 0-2 | |
| | | | | 2567.5 | 21425 | 20.14 | 22 | 0-2 | |
| | 25RB | | | 2502.5 | 20775 | 20.24 | 22 | 0-2 | |
| | | | | 2535 | 21100 | 20.44 | 22 | 0-2 | |
| | | | | 2567.5 | 21425 | 20.52 | 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 | 20.38 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.84 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.48 | 22 | 0-2 |
| | | | 12 | 2502.5 | 20775 | 20.65 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.86 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.15 | 22 | 0-2 |
| | | | 24 | 2502.5 | 20775 | 20.80 | 22 | 0-2 |
| | | | | 2535 | 21100 | 20.91 | 22 | 0-2 |
| | | | | 2567.5 | 21425 | 20.36 | 22 | 0-2 |
| | | 12 RB | 0 | 2502.5 | 20775 | 19.30 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.23 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 19.52 | 21 | 0-3 |
| | | | 6 | 2502.5 | 20775 | 19.61 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.68 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 19.27 | 21 | 0-3 |
| | | | 13 | 2502.5 | 20775 | 19.68 | 21 | 0-3 |
| | | | | 2535 | 21100 | 19.97 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 19.39 | 21 | 0-3 |
| | | 25RB | | 2502.5 | 20775 | 19.80 | 21 | 0-3 |
| | | | | 2535 | 21100 | 20.07 | 21 | 0-3 |
| | | | | 2567.5 | 21425 | 19.29 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 10 | QPSK | 1 RB | 0 | 704 | 23060 | 22.65 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.70 | 24 | 0 | |
| | | | | 711 | 23130 | 22.81 | 24 | 0 | |
| | | | 25 | 704 | 23060 | 22.76 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.82 | 24 | 0 | |
| | | | | 711 | 23130 | 22.61 | 24 | 0 | |
| | | | 49 | 704 | 23060 | 22.89 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.67 | 24 | 0 | |
| | | | | 711 | 23130 | 22.71 | 24 | 0 | |
| | | 25 RB | 0 | 704 | 23060 | 21.69 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.71 | 23 | 0-1 | |
| | | | | 711 | 23130 | 21.65 | 23 | 0-1 | |
| | | | 12 | 704 | 23060 | 21.73 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.77 | 23 | 0-1 | |
| | | | | 711 | 23130 | 21.62 | 23 | 0-1 | |
| | | | 25 | 704 | 23060 | 21.84 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.69 | 23 | 0-1 | |
| | | | | 711 | 23130 | 21.58 | 23 | 0-1 | |
| | | 50RB | | | 704 | 23060 | 21.75 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.81 | 23 | 0-1 |
| | | | | | 711 | 23130 | 21.62 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 704 | 23060 | 21.90 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.96 | 23 | 0-1 | |
| | | | | 711 | 23130 | 22.10 | 23 | 0-1 | |
| | | | 25 | 704 | 23060 | 22.11 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 22.16 | 23 | 0-1 | |
| | | | | 711 | 23130 | 21.90 | 23 | 0-1 | |
| | | | 49 | 704 | 23060 | 22.17 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 22.03 | 23 | 0-1 | |
| | | | | 711 | 23130 | 22.01 | 23 | 0-1 | |
| | | 25 RB | 0 | 704 | 23060 | 20.67 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.70 | 22 | 0-2 | |
| | | | | 711 | 23130 | 20.67 | 22 | 0-2 | |
| | | | 12 | 704 | 23060 | 20.72 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.79 | 22 | 0-2 | |
| | | | | 711 | 23130 | 20.64 | 22 | 0-2 | |
| | | | 25 | 704 | 23060 | 20.83 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.71 | 22 | 0-2 | |
| | | | | 711 | 23130 | 20.57 | 22 | 0-2 | |
| | | 50RB | | | 704 | 23060 | 20.74 | 22 | 0-2 |
| | | | | | 707.5 | 23095 | 20.79 | 22 | 0-2 |
| | | | | | 711 | 23130 | 20.60 | 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 | 21.81 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.83 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.93 | 22 | 0-2 |
| | | | 25 | 704 | 23060 | 21.93 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.96 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.73 | 22 | 0-2 |
| | | | 49 | 704 | 23060 | 22.00 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.79 | 22 | 0-2 |
| | | | | 711 | 23130 | 21.85 | 22 | 0-2 |
| | | 25 RB | 0 | 704 | 23060 | 20.67 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.69 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.64 | 21 | 0-3 |
| | | | 12 | 704 | 23060 | 20.70 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.74 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.62 | 21 | 0-3 |
| | | | 25 | 704 | 23060 | 20.81 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.67 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.57 | 21 | 0-3 |
| | | 50RB | | 704 | 23060 | 20.73 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.78 | 21 | 0-3 |
| | | | | 711 | 23130 | 20.60 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 701.5 | 23035 | 22.47 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.68 | 24 | 0 | |
| | | | | 713.5 | 23155 | 22.72 | 24 | 0 | |
| | | | 12 | 701.5 | 23035 | 22.71 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.68 | 24 | 0 | |
| | | | | 713.5 | 23155 | 22.43 | 24 | 0 | |
| | | | 24 | 701.5 | 23035 | 22.72 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.51 | 24 | 0 | |
| | | | | 713.5 | 23155 | 22.63 | 24 | 0 | |
| | | 12 RB | 0 | 701.5 | 23035 | 21.56 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.61 | 23 | 0-1 | |
| | | | | 713.5 | 23155 | 21.47 | 23 | 0-1 | |
| | | | 6 | 701.5 | 23035 | 21.56 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.68 | 23 | 0-1 | |
| | | | | 713.5 | 23155 | 21.43 | 23 | 0-1 | |
| | | | 13 | 701.5 | 23035 | 21.80 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.63 | 23 | 0-1 | |
| | | | | 713.5 | 23155 | 21.38 | 23 | 0-1 | |
| | | 25RB | | | 701.5 | 23035 | 21.54 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.77 | 23 | 0-1 |
| | | | | | 713.5 | 23155 | 21.55 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 701.5 | 23035 | 21.86 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.80 | 23 | 0-1 |
| | | | | | 713.5 | 23155 | 21.94 | 23 | 0-1 |
| | | | | 12 | 701.5 | 23035 | 21.96 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 22.11 | 23 | 0-1 |
| | | | | | 713.5 | 23155 | 21.82 | 23 | 0-1 |
| | 24 | | | 701.5 | 23035 | 22.09 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.98 | 23 | 0-1 | |
| | | | | 713.5 | 23155 | 21.90 | 23 | 0-1 | |
| | 12 RB | | 0 | 701.5 | 23035 | 20.62 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.58 | 22 | 0-2 | |
| | | | | 713.5 | 23155 | 20.56 | 22 | 0-2 | |
| | | | 6 | 701.5 | 23035 | 20.52 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.72 | 22 | 0-2 | |
| | | | | 713.5 | 23155 | 20.61 | 22 | 0-2 | |
| | | | 13 | 701.5 | 23035 | 20.73 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.55 | 22 | 0-2 | |
| | | | | 713.5 | 23155 | 20.47 | 22 | 0-2 | |
| | 25RB | | | 701.5 | 23035 | 20.56 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.73 | 22 | 0-2 | |
| | | | | 713.5 | 23155 | 20.45 | 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 | 21.69 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.80 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.85 | 22 | 0-2 |
| | | | 12 | 701.5 | 23035 | 21.78 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.90 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.69 | 22 | 0-2 |
| | | | 24 | 701.5 | 23035 | 21.86 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.59 | 22 | 0-2 |
| | | | | 713.5 | 23155 | 21.72 | 22 | 0-2 |
| | | 12 RB | 0 | 701.5 | 23035 | 20.51 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.61 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.54 | 21 | 0-3 |
| | | | 6 | 701.5 | 23035 | 20.52 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.68 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.59 | 21 | 0-3 |
| | | | 13 | 701.5 | 23035 | 20.60 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.59 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.37 | 21 | 0-3 |
| | | 25RB | | 701.5 | 23035 | 20.53 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.75 | 21 | 0-3 |
| | | | | 713.5 | 23155 | 20.42 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 700.5 | 23025 | 22.28 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.63 | 24 | 0 | |
| | | | | 714.5 | 23165 | 22.65 | 24 | 0 | |
| | | | 7 | 700.5 | 23025 | 22.67 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.55 | 24 | 0 | |
| | | | | 714.5 | 23165 | 22.30 | 24 | 0 | |
| | | | 14 | 700.5 | 23025 | 22.58 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.36 | 24 | 0 | |
| | | | | 714.5 | 23165 | 22.53 | 24 | 0 | |
| | | 8 RB | 0 | 700.5 | 23025 | 21.36 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.56 | 23 | 0-1 | |
| | | | | 714.5 | 23165 | 21.36 | 23 | 0-1 | |
| | | | 4 | 700.5 | 23025 | 21.44 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.48 | 23 | 0-1 | |
| | | | | 714.5 | 23165 | 21.26 | 23 | 0-1 | |
| | | | 7 | 700.5 | 23025 | 21.69 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.56 | 23 | 0-1 | |
| | | | | 714.5 | 23165 | 21.25 | 23 | 0-1 | |
| | | 15RB | | | 700.5 | 23025 | 21.47 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.57 | 23 | 0-1 |
| | | | | | 714.5 | 23165 | 21.39 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 700.5 | 23025 | 21.76 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.66 | 23 | 0-1 |
| | | | | | 714.5 | 23165 | 21.82 | 23 | 0-1 |
| | | | | 7 | 700.5 | 23025 | 21.91 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.97 | 23 | 0-1 |
| | | | | | 714.5 | 23165 | 21.80 | 23 | 0-1 |
| | 14 | | | 700.5 | 23025 | 21.97 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.90 | 23 | 0-1 | |
| | | | | 714.5 | 23165 | 21.78 | 23 | 0-1 | |
| | 8 RB | | | 0 | 700.5 | 23025 | 20.57 | 22 | 0-2 |
| | | | | | 707.5 | 23095 | 20.51 | 22 | 0-2 |
| | | | | | 714.5 | 23165 | 20.39 | 22 | 0-2 |
| | | | 4 | 700.5 | 23025 | 20.43 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.56 | 22 | 0-2 | |
| | | | | 714.5 | 23165 | 20.53 | 22 | 0-2 | |
| | | | 7 | 700.5 | 23025 | 20.68 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.42 | 22 | 0-2 | |
| | | | | 714.5 | 23165 | 20.30 | 22 | 0-2 | |
| | 15RB | | | 700.5 | 23025 | 20.45 | 22 | 0-2 | |
| | | | | 707.5 | 23095 | 20.69 | 22 | 0-2 | |
| | | | | 714.5 | 23165 | 20.32 | 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 | 21.60 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.63 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.81 | 22 | 0-2 |
| | | | 7 | 700.5 | 23025 | 21.66 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.71 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.64 | 22 | 0-2 |
| | | | 14 | 700.5 | 23025 | 21.71 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.46 | 22 | 0-2 |
| | | | | 714.5 | 23165 | 21.53 | 22 | 0-2 |
| | | 8 RB | 0 | 700.5 | 23025 | 20.40 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.52 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.46 | 21 | 0-3 |
| | | | 4 | 700.5 | 23025 | 20.35 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.55 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.38 | 21 | 0-3 |
| | | | 7 | 700.5 | 23025 | 20.51 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.54 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.26 | 21 | 0-3 |
| | | 15RB | | 700.5 | 23025 | 20.42 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.58 | 21 | 0-3 |
| | | | | 714.5 | 23165 | 20.36 | 21 | 0-3 |

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| FDD Band 12 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 699.7 | 23017 | 22.67 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.79 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.57 | 24 | 0 | |
| | | | 2 | 699.7 | 23017 | 22.61 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.77 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.57 | 24 | 0 | |
| | | | 5 | 699.7 | 23017 | 22.67 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.80 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.60 | 24 | 0 | |
| | | 3 RB | 0 | 699.7 | 23017 | 22.63 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.77 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.56 | 24 | 0 | |
| | | | 2 | 699.7 | 23017 | 22.47 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.75 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.56 | 24 | 0 | |
| | | | 3 | 699.7 | 23017 | 22.63 | 24 | 0 | |
| | | | | 707.5 | 23095 | 22.76 | 24 | 0 | |
| | | | | 715.3 | 23173 | 22.57 | 24 | 0 | |
| | | 6RB | | | 699.7 | 23017 | 21.64 | 23 | 0-1 |
| | | | | | 707.5 | 23095 | 21.77 | 23 | 0-1 |
| | | | | | 715.3 | 23173 | 21.58 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 699.7 | 23017 | 21.97 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 22.11 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.86 | 23 | 0-1 | |
| | | | 2 | 699.7 | 23017 | 21.93 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 22.07 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.71 | 23 | 0-1 | |
| | | | 5 | 699.7 | 23017 | 21.92 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 22.12 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.92 | 23 | 0-1 | |
| | | 3 RB | 0 | 699.7 | 23017 | 21.72 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.88 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.64 | 23 | 0-1 | |
| | | | 2 | 699.7 | 23017 | 21.69 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.87 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.66 | 23 | 0-1 | |
| | | | 3 | 699.7 | 23017 | 21.56 | 23 | 0-1 | |
| | | | | 707.5 | 23095 | 21.86 | 23 | 0-1 | |
| | | | | 715.3 | 23173 | 21.67 | 23 | 0-1 | |
| | | 6RB | | | 699.7 | 23017 | 20.68 | 22 | 0-2 |
| | | | | | 707.5 | 23095 | 20.85 | 22 | 0-2 |
| | | | | | 715.3 | 23173 | 20.63 | 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 | 21.75 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.97 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.76 | 22 | 0-2 |
| | | | 2 | 699.7 | 23017 | 21.83 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.91 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.66 | 22 | 0-2 |
| | | | 5 | 699.7 | 23017 | 21.82 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.92 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.70 | 22 | 0-2 |
| | | 3 RB | 0 | 699.7 | 23017 | 21.70 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.86 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.67 | 22 | 0-2 |
| | | | 2 | 699.7 | 23017 | 21.67 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.85 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.59 | 22 | 0-2 |
| | | | 3 | 699.7 | 23017 | 21.71 | 22 | 0-2 |
| | | | | 707.5 | 23095 | 21.85 | 22 | 0-2 |
| | | | | 715.3 | 23173 | 21.67 | 22 | 0-2 |
| | | 6RB | | 699.7 | 23017 | 20.69 | 21 | 0-3 |
| | | | | 707.5 | 23095 | 20.81 | 21 | 0-3 |
| | | | | 715.3 | 23173 | 20.57 | 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 | 22.52 | 24 | 0 |
| | | | 25 | 782 | 23230 | 22.67 | 24 | 0 |
| | | | 49 | 782 | 23230 | 22.64 | 24 | 0 |
| | | 25 RB | 0 | 782 | 23230 | 21.53 | 23 | 0-1 |
| | | | 12 | 782 | 23230 | 21.51 | 23 | 0-1 |
| | | | 25 | 782 | 23230 | 21.62 | 23 | 0-1 |
| | | 50RB | | 782 | 23230 | 21.64 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 782 | 23230 | 21.86 | 23 | 0-1 |
| | | | 25 | 782 | 23230 | 22.02 | 23 | 0-1 |
| | | | 49 | 782 | 23230 | 21.98 | 23 | 0-1 |
| | | 25 RB | 0 | 782 | 23230 | 20.56 | 22 | 0-2 |
| | | | 12 | 782 | 23230 | 20.54 | 22 | 0-2 |
| | | | 25 | 782 | 23230 | 20.60 | 22 | 0-2 |
| | | 50RB | | 782 | 23230 | 20.61 | 22 | 0-2 |
| | 64-QAM | 1 RB | 0 | 782 | 23230 | 21.71 | 22 | 0-2 |
| | | | 25 | 782 | 23230 | 21.87 | 22 | 0-2 |
| | | | 49 | 782 | 23230 | 21.80 | 22 | 0-2 |
| | | 25 RB | 0 | 782 | 23230 | 20.55 | 21 | 0-3 |
| | | | 12 | 782 | 23230 | 20.53 | 21 | 0-3 |
| | | | 25 | 782 | 23230 | 20.59 | 21 | 0-3 |
| | | 50RB | | 782 | 23230 | 20.61 | 21 | 0-3 |

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| FDD Band 13 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 779.5 | 23205 | 22.42 | 24 | 0 | |
| | | | | 782 | 23230 | 22.55 | 24 | 0 | |
| | | | | 784.5 | 23255 | 22.59 | 24 | 0 | |
| | | | 12 | 779.5 | 23205 | 22.41 | 24 | 0 | |
| | | | | 782 | 23230 | 22.65 | 24 | 0 | |
| | | | | 784.5 | 23255 | 22.46 | 24 | 0 | |
| | | | 24 | 779.5 | 23205 | 22.45 | 24 | 0 | |
| | | | | 782 | 23230 | 22.48 | 24 | 0 | |
| | | | | 784.5 | 23255 | 22.50 | 24 | 0 | |
| | | 12 RB | 0 | 779.5 | 23205 | 21.49 | 23 | 0-1 | |
| | | | | 782 | 23230 | 21.32 | 23 | 0-1 | |
| | | | | 784.5 | 23255 | 21.34 | 23 | 0-1 | |
| | | | 6 | 779.5 | 23205 | 21.46 | 23 | 0-1 | |
| | | | | 782 | 23230 | 21.37 | 23 | 0-1 | |
| | | | | 784.5 | 23255 | 21.45 | 23 | 0-1 | |
| | | | 13 | 779.5 | 23205 | 21.50 | 23 | 0-1 | |
| | | | | 782 | 23230 | 21.51 | 23 | 0-1 | |
| | | | | 784.5 | 23255 | 21.35 | 23 | 0-1 | |
| | | 25RB | | | 779.5 | 23205 | 21.40 | 23 | 0-1 |
| | | | | | 782 | 23230 | 21.43 | 23 | 0-1 |
| | | | | | 784.5 | 23255 | 21.41 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 779.5 | 23205 | 21.41 | 23 | 0-1 |
| | | | | | 782 | 23230 | 21.38 | 23 | 0-1 |
| | | | | | 784.5 | 23255 | 21.49 | 23 | 0-1 |
| | 12 | | | 779.5 | 23205 | 21.40 | 23 | 0-1 | |
| | | | | 782 | 23230 | 21.48 | 23 | 0-1 | |
| | | | | 784.5 | 23255 | 21.33 | 23 | 0-1 | |
| | 24 | | | 779.5 | 23205 | 21.51 | 23 | 0-1 | |
| | | | | 782 | 23230 | 21.39 | 23 | 0-1 | |
| | | | | 784.5 | 23255 | 21.34 | 23 | 0-1 | |
| | 12 RB | | | 0 | 779.5 | 23205 | 20.47 | 22 | 0-2 |
| | | | | | 782 | 23230 | 20.51 | 22 | 0-2 |
| | | | | | 784.5 | 23255 | 20.42 | 22 | 0-2 |
| | | | | 6 | 779.5 | 23205 | 20.45 | 22 | 0-2 |
| | | | | | 782 | 23230 | 21.55 | 22 | 0-2 |
| | | | | | 784.5 | 23255 | 21.67 | 22 | 0-2 |
| | | | 13 | 779.5 | 23205 | 21.60 | 22 | 0-2 | |
| | | | | 782 | 23230 | 20.44 | 22 | 0-2 | |
| | | | | 784.5 | 23255 | 20.44 | 22 | 0-2 | |
| | 25RB | | | 779.5 | 23205 | 20.58 | 22 | 0-2 | |
| | | | | 782 | 23230 | 20.51 | 22 | 0-2 | |
| | | | | 784.5 | 23255 | 21.57 | 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 | 21.85 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.64 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 20.36 | 22 | 0-2 |
| | | | 12 | 779.5 | 23205 | 20.37 | 22 | 0-2 |
| | | | | 782 | 23230 | 20.44 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 20.45 | 22 | 0-2 |
| | | | 24 | 779.5 | 23205 | 21.67 | 22 | 0-2 |
| | | | | 782 | 23230 | 21.70 | 22 | 0-2 |
| | | | | 784.5 | 23255 | 21.59 | 22 | 0-2 |
| | | 12 RB | 0 | 779.5 | 23205 | 20.44 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.49 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.44 | 21 | 0-3 |
| | | | 6 | 779.5 | 23205 | 20.50 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.51 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.46 | 21 | 0-3 |
| | | | 13 | 779.5 | 23205 | 20.44 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.53 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.34 | 21 | 0-3 |
| | | 25RB | | 779.5 | 23205 | 20.39 | 21 | 0-3 |
| | | | | 782 | 23230 | 20.49 | 21 | 0-3 |
| | | | | 784.5 | 23255 | 20.58 | 21 | 0-3 |

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| FDD Band 14 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 793 | 23330 | 22.73 | 24 | 0 |
| | | | 25 | 793 | 23330 | 22.68 | 24 | 0 |
| | | | 49 | 793 | 23330 | 22.76 | 24 | 0 |
| | | 25 RB | 0 | 793 | 23330 | 21.64 | 23 | 0-1 |
| | | | 12 | 793 | 23330 | 21.66 | 23 | 0-1 |
| | | | 25 | 793 | 23330 | 21.74 | 23 | 0-1 |
| | | 50RB | | 793 | 23330 | 21.67 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 793 | 23330 | 22.01 | 23 | 0-1 |
| | | | 25 | 793 | 23330 | 21.97 | 23 | 0-1 |
| | | | 49 | 793 | 23330 | 22.15 | 23 | 0-1 |
| | | 25 RB | 0 | 793 | 23330 | 20.64 | 22 | 0-2 |
| | | | 12 | 793 | 23330 | 20.63 | 22 | 0-2 |
| | | | 25 | 793 | 23330 | 20.75 | 22 | 0-2 |
| | | 50RB | | 793 | 23330 | 20.68 | 22 | 0-2 |
| | 64-QAM | 1 RB | 0 | 793 | 23330 | 21.90 | 22 | 0-2 |
| | | | 25 | 793 | 23330 | 21.77 | 22 | 0-2 |
| | | | 49 | 793 | 23330 | 22.00 | 22 | 0-2 |
| | | 25 RB | 0 | 793 | 23330 | 20.64 | 21 | 0-3 |
| | | | 12 | 793 | 23330 | 20.61 | 21 | 0-3 |
| | | | 25 | 793 | 23330 | 20.73 | 21 | 0-3 |
| | | 50RB | | 793 | 23330 | 20.68 | 21 | 0-3 |

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| FDD Band 14 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 790.5 | 23305 | 22.56 | 24 | 0 |
| | | | | 793 | 23330 | 22.59 | 24 | 0 |
| | | | | 795.5 | 23355 | 22.71 | 24 | 0 |
| | | | 12 | 790.5 | 23305 | 22.67 | 24 | 0 |
| | | | | 793 | 23330 | 22.52 | 24 | 0 |
| | | | | 795.5 | 23355 | 22.59 | 24 | 0 |
| | | | 24 | 790.5 | 23305 | 22.67 | 24 | 0 |
| | | | | 793 | 23330 | 22.59 | 24 | 0 |
| | | | | 795.5 | 23355 | 22.73 | 24 | 0 |
| | | 12 RB | 0 | 790.5 | 23305 | 21.54 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.59 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.64 | 23 | 0-1 |
| | | | 6 | 790.5 | 23305 | 21.59 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.93 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.82 | 23 | 0-1 |
| | | | 13 | 790.5 | 23305 | 22.12 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.53 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.62 | 23 | 0-1 |
| | | 25RB | | 790.5 | 23305 | 21.63 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.59 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.83 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 790.5 | 23305 | 21.85 | 23 | 0-1 |
| | | | | 793 | 23330 | 22.12 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.60 | 23 | 0-1 |
| | | | 12 | 790.5 | 23305 | 21.63 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.67 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 21.65 | 23 | 0-1 |
| | | | 24 | 790.5 | 23305 | 21.93 | 23 | 0-1 |
| | | | | 793 | 23330 | 21.90 | 23 | 0-1 |
| | | | | 795.5 | 23355 | 22.09 | 23 | 0-1 |
| | | 12 RB | 0 | 790.5 | 23305 | 20.59 | 22 | 0-2 |
| | | | | 793 | 23330 | 20.58 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 20.65 | 22 | 0-2 |
| | | | 6 | 790.5 | 23305 | 20.49 | 22 | 0-2 |
| | | | | 793 | 23330 | 21.72 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 21.74 | 22 | 0-2 |
| | | | 13 | 790.5 | 23305 | 21.92 | 22 | 0-2 |
| | | | | 793 | 23330 | 20.48 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 20.58 | 22 | 0-2 |
| | | 25RB | | 790.5 | 23305 | 20.56 | 22 | 0-2 |
| | | | | 793 | 23330 | 20.59 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 21.69 | 22 | 0-2 |

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| FDD Band 14 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 790.5 | 23305 | 21.63 | 22 | 0-2 |
| | | | | 793 | 23330 | 21.83 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 20.46 | 22 | 0-2 |
| | | | 12 | 790.5 | 23305 | 20.61 | 22 | 0-2 |
| | | | | 793 | 23330 | 20.58 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 20.66 | 22 | 0-2 |
| | | | 24 | 790.5 | 23305 | 21.81 | 22 | 0-2 |
| | | | | 793 | 23330 | 21.74 | 22 | 0-2 |
| | | | | 795.5 | 23355 | 21.85 | 22 | 0-2 |
| | | 12 RB | 0 | 790.5 | 23305 | 20.60 | 21 | 0-3 |
| | | | | 793 | 23330 | 20.55 | 21 | 0-3 |
| | | | | 795.5 | 23355 | 20.59 | 21 | 0-3 |
| | | | 6 | 790.5 | 23305 | 20.63 | 21 | 0-3 |
| | | | | 793 | 23330 | 20.59 | 21 | 0-3 |
| | | | | 795.5 | 23355 | 20.41 | 21 | 0-3 |
| | | | 13 | 790.5 | 23305 | 20.69 | 21 | 0-3 |
| | | | | 793 | 23330 | 20.49 | 21 | 0-3 |
| | | | | 795.5 | 23355 | 20.44 | 21 | 0-3 |
| | | 25RB | | 790.5 | 23305 | 20.57 | 21 | 0-3 |
| | | | | 793 | 23330 | 20.69 | 21 | 0-3 |
| | | | | 795.5 | 23355 | 20.52 | 21 | 0-3 |

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| FDD Band 17 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 10 | QPSK | 1 RB | 0 | 709 | 23780 | 22.74 | 24 | 0 | |
| | | | | 710 | 23790 | 22.71 | 24 | 0 | |
| | | | | 711 | 23800 | 22.78 | 24 | 0 | |
| | | | 25 | 709 | 23780 | 22.69 | 24 | 0 | |
| | | | | 710 | 23790 | 22.66 | 24 | 0 | |
| | | | | 711 | 23800 | 22.59 | 24 | 0 | |
| | | | 49 | 709 | 23780 | 22.65 | 24 | 0 | |
| | | | | 710 | 23790 | 22.68 | 24 | 0 | |
| | | | | 711 | 23800 | 22.67 | 24 | 0 | |
| | | 25 RB | 0 | 709 | 23780 | 21.76 | 23 | 0-1 | |
| | | | | 710 | 23790 | 21.73 | 23 | 0-1 | |
| | | | | 711 | 23800 | 21.64 | 23 | 0-1 | |
| | | | 12 | 709 | 23780 | 21.65 | 23 | 0-1 | |
| | | | | 710 | 23790 | 21.63 | 23 | 0-1 | |
| | | | | 711 | 23800 | 21.61 | 23 | 0-1 | |
| | | | 25 | 709 | 23780 | 21.58 | 23 | 0-1 | |
| | | | | 710 | 23790 | 21.64 | 23 | 0-1 | |
| | | | | 711 | 23800 | 21.58 | 23 | 0-1 | |
| | | 50RB | | | 709 | 23780 | 21.71 | 23 | 0-1 |
| | | | | | 710 | 23790 | 21.70 | 23 | 0-1 |
| | | | | | 711 | 23800 | 21.62 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 709 | 23780 | 22.04 | 23 | 0-1 | |
| | | | | 710 | 23790 | 22.06 | 23 | 0-1 | |
| | | | | 711 | 23800 | 22.07 | 23 | 0-1 | |
| | | | 25 | 709 | 23780 | 22.01 | 23 | 0-1 | |
| | | | | 710 | 23790 | 22.02 | 23 | 0-1 | |
| | | | | 711 | 23800 | 21.94 | 23 | 0-1 | |
| | | | 49 | 709 | 23780 | 21.97 | 23 | 0-1 | |
| | | | | 710 | 23790 | 21.98 | 23 | 0-1 | |
| | | | | 711 | 23800 | 21.99 | 23 | 0-1 | |
| | | 25 RB | 0 | 709 | 23780 | 20.76 | 22 | 0-2 | |
| | | | | 710 | 23790 | 20.74 | 22 | 0-2 | |
| | | | | 711 | 23800 | 20.64 | 22 | 0-2 | |
| | | | 12 | 709 | 23780 | 20.67 | 22 | 0-2 | |
| | | | | 710 | 23790 | 20.63 | 22 | 0-2 | |
| | | | | 711 | 23800 | 20.61 | 22 | 0-2 | |
| | | | 25 | 709 | 23780 | 20.58 | 22 | 0-2 | |
| | | | | 710 | 23790 | 20.63 | 22 | 0-2 | |
| | | | | 711 | 23800 | 20.56 | 22 | 0-2 | |
| | | 50RB | | | 709 | 23780 | 20.67 | 22 | 0-2 |
| | | | | | 710 | 23790 | 20.67 | 22 | 0-2 |
| | | | | | 711 | 23800 | 20.59 | 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 | 21.96 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.91 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.90 | 22 | 0-2 |
| | | | 25 | 709 | 23780 | 21.85 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.84 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.76 | 22 | 0-2 |
| | | | 49 | 709 | 23780 | 21.76 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.81 | 22 | 0-2 |
| | | | | 711 | 23800 | 21.82 | 22 | 0-2 |
| | | 25 RB | 0 | 709 | 23780 | 20.74 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.73 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.64 | 21 | 0-3 |
| | | | 12 | 709 | 23780 | 20.65 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.64 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.61 | 21 | 0-3 |
| | | | 25 | 709 | 23780 | 20.56 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.62 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.57 | 21 | 0-3 |
| | | 50RB | | 709 | 23780 | 20.67 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.66 | 21 | 0-3 |
| | | | | 711 | 23800 | 20.58 | 21 | 0-3 |

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| FDD Band 17 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) |
| 5 | QPSK | 1 RB | 0 | 706.5 | 23755 | 22.72 | 24 | 0 |
| | | | | 710 | 23790 | 22.65 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.69 | 24 | 0 |
| | | | 12 | 706.5 | 23755 | 22.66 | 24 | 0 |
| | | | | 710 | 23790 | 22.59 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.44 | 24 | 0 |
| | | | 24 | 706.5 | 23755 | 22.49 | 24 | 0 |
| | | | | 710 | 23790 | 22.47 | 24 | 0 |
| | | | | 713.5 | 23825 | 22.59 | 24 | 0 |
| | | 12 RB | 0 | 706.5 | 23755 | 21.63 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.68 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.59 | 23 | 0-1 |
| | | | 6 | 706.5 | 23755 | 21.45 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.46 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.52 | 23 | 0-1 |
| | | | 13 | 706.5 | 23755 | 21.53 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.60 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.47 | 23 | 0-1 |
| | | 25RB | | 706.5 | 23755 | 21.52 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.56 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.43 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 706.5 | 23755 | 21.92 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.97 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.87 | 23 | 0-1 |
| | | | 12 | 706.5 | 23755 | 21.82 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.96 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.84 | 23 | 0-1 |
| | | | 24 | 706.5 | 23755 | 21.78 | 23 | 0-1 |
| | | | | 710 | 23790 | 21.83 | 23 | 0-1 |
| | | | | 713.5 | 23825 | 21.84 | 23 | 0-1 |
| | | 12 RB | 0 | 706.5 | 23755 | 20.70 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.68 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.56 | 22 | 0-2 |
| | | | 6 | 706.5 | 23755 | 20.58 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.61 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.47 | 22 | 0-2 |
| | | | 13 | 706.5 | 23755 | 20.38 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.42 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.42 | 22 | 0-2 |
| | | 25RB | | 706.5 | 23755 | 20.60 | 22 | 0-2 |
| | | | | 710 | 23790 | 20.61 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 20.40 | 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 | 21.81 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.79 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.69 | 22 | 0-2 |
| | | | 12 | 706.5 | 23755 | 21.80 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.63 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.55 | 22 | 0-2 |
| | | | 24 | 706.5 | 23755 | 21.67 | 22 | 0-2 |
| | | | | 710 | 23790 | 21.67 | 22 | 0-2 |
| | | | | 713.5 | 23825 | 21.75 | 22 | 0-2 |
| | | 12 RB | 0 | 706.5 | 23755 | 20.65 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.55 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.50 | 21 | 0-3 |
| | | | 6 | 706.5 | 23755 | 20.57 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.54 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.57 | 21 | 0-3 |
| | | | 13 | 706.5 | 23755 | 20.53 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.44 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.46 | 21 | 0-3 |
| | | 25RB | | 706.5 | 23755 | 20.64 | 21 | 0-3 |
| | | | | 710 | 23790 | 20.55 | 21 | 0-3 |
| | | | | 713.5 | 23825 | 20.49 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 20 | QPSK | 1 RB | 0 | 1860 | 26140 | 23.12 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 23.09 | 24 | 0 | |
| | | | | 1905 | 26590 | 23.08 | 24 | 0 | |
| | | | 50 | 1860 | 26140 | 22.88 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.91 | 24 | 0 | |
| | | | | 1905 | 26590 | 22.86 | 24 | 0 | |
| | | | 99 | 1860 | 26140 | 22.93 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.95 | 24 | 0 | |
| | | | | 1905 | 26590 | 23.06 | 24 | 0 | |
| | | 50 RB | 0 | 1860 | 26140 | 21.97 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.15 | 23 | 0-1 | |
| | | | | 1905 | 26590 | 22.05 | 23 | 0-1 | |
| | | | 25 | 1860 | 26140 | 21.93 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.96 | 23 | 0-1 | |
| | | | | 1905 | 26590 | 21.90 | 23 | 0-1 | |
| | | | 50 | 1860 | 26140 | 21.93 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.82 | 23 | 0-1 | |
| | | | | 1905 | 26590 | 22.02 | 23 | 0-1 | |
| | | 100RB | | | 1860 | 26140 | 22.01 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 22.04 | 23 | 0-1 |
| | | | | | 1905 | 26590 | 22.02 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1860 | 26140 | 22.35 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 22.43 | 23 | 0-1 |
| | | | | | 1905 | 26590 | 22.40 | 23 | 0-1 |
| | | | | 50 | 1860 | 26140 | 22.24 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 22.19 | 23 | 0-1 |
| | | | | | 1905 | 26590 | 22.21 | 23 | 0-1 |
| | 99 | | | 1860 | 26140 | 22.38 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.28 | 23 | 0-1 | |
| | | | | 1905 | 26590 | 22.44 | 23 | 0-1 | |
| | 50 RB | | | 0 | 1860 | 26140 | 20.97 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 21.14 | 22 | 0-2 |
| | | | | | 1905 | 26590 | 21.04 | 22 | 0-2 |
| | | | | 25 | 1860 | 26140 | 20.94 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 20.97 | 22 | 0-2 |
| | | | | | 1905 | 26590 | 20.92 | 22 | 0-2 |
| | 50 | | 1860 | 26140 | 20.93 | 22 | 0-2 | | |
| | | | 1882.5 | 26365 | 20.83 | 22 | 0-2 | | |
| | | | 1905 | 26590 | 21.02 | 22 | 0-2 | | |
| | 100RB | | | 1860 | 26140 | 21.01 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 21.03 | 22 | 0-2 | |
| | | | | 1905 | 26590 | 20.99 | 22 | 0-2 | |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26140 | 21.81 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.75 | 22 | 0-2 |
| | | | | 1905 | 26590 | 21.68 | 22 | 0-2 |
| | | | 50 | 1860 | 26140 | 21.68 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.54 | 22 | 0-2 |
| | | | | 1905 | 26590 | 21.54 | 22 | 0-2 |
| | | | 99 | 1860 | 26140 | 21.66 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.63 | 22 | 0-2 |
| | | | | 1905 | 26590 | 21.68 | 22 | 0-2 |
| | | 50 RB | 0 | 1860 | 26140 | 20.48 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.63 | 21 | 0-3 |
| | | | | 1905 | 26590 | 20.54 | 21 | 0-3 |
| | | | 25 | 1860 | 26140 | 20.44 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.46 | 21 | 0-3 |
| | | | | 1905 | 26590 | 20.42 | 21 | 0-3 |
| | | | 50 | 1860 | 26140 | 20.42 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.33 | 21 | 0-3 |
| | | | | 1905 | 26590 | 20.52 | 21 | 0-3 |
| | | 100RB | | 1860 | 26140 | 20.51 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.52 | 21 | 0-3 |
| | | | | 1905 | 26590 | 20.48 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 1857.5 | 26115 | 23.08 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 23.00 | 24 | 0 | |
| | | | | 1907.5 | 26615 | 23.04 | 24 | 0 | |
| | | | 36 | 1857.5 | 26115 | 22.81 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.81 | 24 | 0 | |
| | | | | 1907.5 | 26615 | 22.72 | 24 | 0 | |
| | | | 74 | 1857.5 | 26115 | 22.80 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.77 | 24 | 0 | |
| | | | | 1907.5 | 26615 | 23.00 | 24 | 0 | |
| | | 36 RB | 0 | 1857.5 | 26115 | 21.88 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.96 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 21.99 | 23 | 0-1 | |
| | | | 18 | 1857.5 | 26115 | 21.83 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.82 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 21.72 | 23 | 0-1 | |
| | | | 37 | 1857.5 | 26115 | 21.87 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.68 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 21.88 | 23 | 0-1 | |
| | | 75RB | | | 1857.5 | 26115 | 21.84 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.92 | 23 | 0-1 |
| | | | | | 1907.5 | 26615 | 21.83 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1857.5 | 26115 | 22.19 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.38 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 22.20 | 23 | 0-1 | |
| | | | 36 | 1857.5 | 26115 | 22.12 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.09 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 22.15 | 23 | 0-1 | |
| | | | 74 | 1857.5 | 26115 | 22.32 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.22 | 23 | 0-1 | |
| | | | | 1907.5 | 26615 | 22.42 | 23 | 0-1 | |
| | | 36 RB | 0 | 1857.5 | 26115 | 20.79 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 21.07 | 22 | 0-2 | |
| | | | | 1907.5 | 26615 | 21.01 | 22 | 0-2 | |
| | | | 18 | 1857.5 | 26115 | 20.80 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.91 | 22 | 0-2 | |
| | | | | 1907.5 | 26615 | 20.85 | 22 | 0-2 | |
| | | | 37 | 1857.5 | 26115 | 20.89 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.66 | 22 | 0-2 | |
| | | | | 1907.5 | 26615 | 20.95 | 22 | 0-2 | |
| | | 75RB | | | 1857.5 | 26115 | 20.87 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 20.99 | 22 | 0-2 |
| | | | | | 1907.5 | 26615 | 20.90 | 22 | 0-2 |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26115 | 21.63 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.68 | 22 | 0-2 |
| | | | | 1907.5 | 26615 | 21.55 | 22 | 0-2 |
| | | | 36 | 1857.5 | 26115 | 21.51 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.45 | 22 | 0-2 |
| | | | | 1907.5 | 26615 | 21.40 | 22 | 0-2 |
| | | | 74 | 1857.5 | 26115 | 21.48 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.55 | 22 | 0-2 |
| | | | | 1907.5 | 26615 | 21.61 | 22 | 0-2 |
| | | 36 RB | 0 | 1857.5 | 26115 | 20.45 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.44 | 21 | 0-3 |
| | | | | 1907.5 | 26615 | 20.51 | 21 | 0-3 |
| | | | 18 | 1857.5 | 26115 | 20.30 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.39 | 21 | 0-3 |
| | | | | 1907.5 | 26615 | 20.29 | 21 | 0-3 |
| | | | 37 | 1857.5 | 26115 | 20.39 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.19 | 21 | 0-3 |
| | | | | 1907.5 | 26615 | 20.35 | 21 | 0-3 |
| | | 75RB | | 1857.5 | 26115 | 20.41 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.47 | 21 | 0-3 |
| | | | | 1907.5 | 26615 | 20.29 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 10 | QPSK | 1 RB | 0 | 1855 | 26090 | 23.05 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.80 | 24 | 0 | |
| | | | | 1910 | 26640 | 23.01 | 24 | 0 | |
| | | | 25 | 1855 | 26090 | 22.75 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.71 | 24 | 0 | |
| | | | | 1910 | 26640 | 22.64 | 24 | 0 | |
| | | | 49 | 1855 | 26090 | 22.59 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.66 | 24 | 0 | |
| | | | | 1910 | 26640 | 22.84 | 24 | 0 | |
| | | 25 RB | 0 | 1855 | 26090 | 21.69 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.92 | 23 | 0-1 | |
| | | | | 1910 | 26640 | 21.86 | 23 | 0-1 | |
| | | | 12 | 1855 | 26090 | 21.78 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.77 | 23 | 0-1 | |
| | | | | 1910 | 26640 | 21.65 | 23 | 0-1 | |
| | | | 25 | 1855 | 26090 | 21.72 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.62 | 23 | 0-1 | |
| | | | | 1910 | 26640 | 21.78 | 23 | 0-1 | |
| | | 50RB | | | 1855 | 26090 | 21.67 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.87 | 23 | 0-1 |
| | | | | | 1910 | 26640 | 21.75 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1855 | 26090 | 22.06 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 22.26 | 23 | 0-1 |
| | | | | | 1910 | 26640 | 22.16 | 23 | 0-1 |
| | | | | 25 | 1855 | 26090 | 22.06 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.97 | 23 | 0-1 |
| | | | | | 1910 | 26640 | 22.04 | 23 | 0-1 |
| | 49 | | | 1855 | 26090 | 22.23 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.18 | 23 | 0-1 | |
| | | | | 1910 | 26640 | 22.25 | 23 | 0-1 | |
| | 25 RB | | 0 | 1855 | 26090 | 20.64 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 21.05 | 22 | 0-2 | |
| | | | | 1910 | 26640 | 20.87 | 22 | 0-2 | |
| | | | 12 | 1855 | 26090 | 20.60 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.73 | 22 | 0-2 | |
| | | | | 1910 | 26640 | 20.71 | 22 | 0-2 | |
| | | | 25 | 1855 | 26090 | 20.84 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.46 | 22 | 0-2 | |
| | | | | 1910 | 26640 | 20.79 | 22 | 0-2 | |
| | 50RB | | | 1855 | 26090 | 20.84 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.97 | 22 | 0-2 | |
| | | | | 1910 | 26640 | 20.84 | 22 | 0-2 | |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26090 | 21.52 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.54 | 22 | 0-2 |
| | | | | 1910 | 26640 | 21.36 | 22 | 0-2 |
| | | | 25 | 1855 | 26090 | 21.42 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.30 | 22 | 0-2 |
| | | | | 1910 | 26640 | 21.38 | 22 | 0-2 |
| | | | 49 | 1855 | 26090 | 21.28 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.53 | 22 | 0-2 |
| | | | | 1910 | 26640 | 21.54 | 22 | 0-2 |
| | | 25 RB | 0 | 1855 | 26090 | 20.42 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.23 | 21 | 0-3 |
| | | | | 1910 | 26640 | 20.44 | 21 | 0-3 |
| | | | 12 | 1855 | 26090 | 20.15 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.26 | 21 | 0-3 |
| | | | | 1910 | 26640 | 20.14 | 21 | 0-3 |
| | | | 25 | 1855 | 26090 | 20.21 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.02 | 21 | 0-3 |
| | | | | 1910 | 26640 | 20.15 | 21 | 0-3 |
| | | 50RB | | 1855 | 26090 | 20.36 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.33 | 21 | 0-3 |
| | | | | 1910 | 26640 | 20.23 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 1852.5 | 26065 | 22.95 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.67 | 24 | 0 | |
| | | | | 1912.5 | 26665 | 22.86 | 24 | 0 | |
| | | | 12 | 1852.5 | 26065 | 22.72 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.61 | 24 | 0 | |
| | | | | 1912.5 | 26665 | 22.59 | 24 | 0 | |
| | | | 24 | 1852.5 | 26065 | 22.48 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.61 | 24 | 0 | |
| | | | | 1912.5 | 26665 | 22.68 | 24 | 0 | |
| | | 12 RB | 0 | 1852.5 | 26065 | 21.59 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.88 | 23 | 0-1 | |
| | | | | 1912.5 | 26665 | 21.75 | 23 | 0-1 | |
| | | | 6 | 1852.5 | 26065 | 21.71 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.68 | 23 | 0-1 | |
| | | | | 1912.5 | 26665 | 21.44 | 23 | 0-1 | |
| | | | 13 | 1852.5 | 26065 | 21.58 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.57 | 23 | 0-1 | |
| | | | | 1912.5 | 26665 | 21.61 | 23 | 0-1 | |
| | | 25RB | | | 1852.5 | 26065 | 21.60 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.76 | 23 | 0-1 |
| | | | | | 1912.5 | 26665 | 21.64 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1852.5 | 26065 | 22.00 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 22.13 | 23 | 0-1 |
| | | | | | 1912.5 | 26665 | 22.13 | 23 | 0-1 |
| | | | | 12 | 1852.5 | 26065 | 22.02 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.80 | 23 | 0-1 |
| | | | | | 1912.5 | 26665 | 21.99 | 23 | 0-1 |
| | 24 | | | 1852.5 | 26065 | 22.06 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.97 | 23 | 0-1 | |
| | | | | 1912.5 | 26665 | 22.09 | 23 | 0-1 | |
| | 12 RB | | | 0 | 1852.5 | 26065 | 20.54 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 20.97 | 22 | 0-2 |
| | | | | | 1912.5 | 26665 | 20.83 | 22 | 0-2 |
| | | | 6 | 1852.5 | 26065 | 20.54 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.52 | 22 | 0-2 | |
| | | | | 1912.5 | 26665 | 20.55 | 22 | 0-2 | |
| | | | 13 | 1852.5 | 26065 | 20.78 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.41 | 22 | 0-2 | |
| | | | | 1912.5 | 26665 | 20.61 | 22 | 0-2 | |
| | 25RB | | | 1852.5 | 26065 | 20.77 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.80 | 22 | 0-2 | |
| | | | | 1912.5 | 26665 | 20.79 | 22 | 0-2 | |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26065 | 21.40 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.41 | 22 | 0-2 |
| | | | | 1912.5 | 26665 | 21.31 | 22 | 0-2 |
| | | | 12 | 1852.5 | 26065 | 21.21 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.26 | 22 | 0-2 |
| | | | | 1912.5 | 26665 | 21.17 | 22 | 0-2 |
| | | | 24 | 1852.5 | 26065 | 21.21 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.47 | 22 | 0-2 |
| | | | | 1912.5 | 26665 | 21.34 | 22 | 0-2 |
| | | 12 RB | 0 | 1852.5 | 26065 | 20.36 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.02 | 21 | 0-3 |
| | | | | 1912.5 | 26665 | 20.23 | 21 | 0-3 |
| | | | 6 | 1852.5 | 26065 | 20.02 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.17 | 21 | 0-3 |
| | | | | 1912.5 | 26665 | 20.02 | 21 | 0-3 |
| | | | 13 | 1852.5 | 26065 | 20.19 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 19.86 | 21 | 0-3 |
| | | | | 1912.5 | 26665 | 20.13 | 21 | 0-3 |
| | | 25RB | | 1852.5 | 26065 | 20.19 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.22 | 21 | 0-3 |
| | | | | 1912.5 | 26665 | 20.04 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 1851.5 | 26055 | 22.78 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.59 | 24 | 0 | |
| | | | | 1913.5 | 26675 | 22.68 | 24 | 0 | |
| | | | 7 | 1851.5 | 26055 | 22.66 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.56 | 24 | 0 | |
| | | | | 1913.5 | 26675 | 22.41 | 24 | 0 | |
| | | | 14 | 1851.5 | 26055 | 22.34 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.45 | 24 | 0 | |
| | | | | 1913.5 | 26675 | 22.60 | 24 | 0 | |
| | | 8 RB | 0 | 1851.5 | 26055 | 21.49 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.68 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 21.58 | 23 | 0-1 | |
| | | | 4 | 1851.5 | 26055 | 21.61 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.54 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 21.29 | 23 | 0-1 | |
| | | | 7 | 1851.5 | 26055 | 21.44 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.40 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 21.56 | 23 | 0-1 | |
| | | 15RB | | | 1851.5 | 26055 | 21.52 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.61 | 23 | 0-1 |
| | | | | | 1913.5 | 26675 | 21.59 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1851.5 | 26055 | 21.80 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.06 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 21.92 | 23 | 0-1 | |
| | | | 7 | 1851.5 | 26055 | 21.86 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.78 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 21.89 | 23 | 0-1 | |
| | | | 14 | 1851.5 | 26055 | 21.94 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.82 | 23 | 0-1 | |
| | | | | 1913.5 | 26675 | 22.05 | 23 | 0-1 | |
| | | 8 RB | 0 | 1851.5 | 26055 | 20.47 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.90 | 22 | 0-2 | |
| | | | | 1913.5 | 26675 | 20.72 | 22 | 0-2 | |
| | | | 4 | 1851.5 | 26055 | 20.36 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.48 | 22 | 0-2 | |
| | | | | 1913.5 | 26675 | 20.46 | 22 | 0-2 | |
| | | | 7 | 1851.5 | 26055 | 20.62 | 22 | 0-2 | |
| | | | | 1882.5 | 26365 | 20.20 | 22 | 0-2 | |
| | | | | 1913.5 | 26675 | 20.46 | 22 | 0-2 | |
| | | 15RB | | | 1851.5 | 26055 | 20.60 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 20.72 | 22 | 0-2 |
| | | | | | 1913.5 | 26675 | 20.69 | 22 | 0-2 |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26055 | 21.24 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.36 | 22 | 0-2 |
| | | | | 1913.5 | 26675 | 21.28 | 22 | 0-2 |
| | | | 7 | 1851.5 | 26055 | 21.01 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.10 | 22 | 0-2 |
| | | | | 1913.5 | 26675 | 21.00 | 22 | 0-2 |
| | | | 14 | 1851.5 | 26055 | 21.06 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.27 | 22 | 0-2 |
| | | | | 1913.5 | 26675 | 21.14 | 22 | 0-2 |
| | | 8 RB | 0 | 1851.5 | 26055 | 20.26 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 19.83 | 21 | 0-3 |
| | | | | 1913.5 | 26675 | 20.19 | 21 | 0-3 |
| | | | 4 | 1851.5 | 26055 | 20.00 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.09 | 21 | 0-3 |
| | | | | 1913.5 | 26675 | 19.86 | 21 | 0-3 |
| | | | 7 | 1851.5 | 26055 | 20.04 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 19.74 | 21 | 0-3 |
| | | | | 1913.5 | 26675 | 20.03 | 21 | 0-3 |
| | | 15RB | | 1851.5 | 26055 | 20.14 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.03 | 21 | 0-3 |
| | | | | 1913.5 | 26675 | 19.84 | 21 | 0-3 |

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| FDD Band 25 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 1850.7 | 26047 | 22.99 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.98 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 22.99 | 24 | 0 | |
| | | | 2 | 1850.7 | 26047 | 22.96 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.94 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 23.00 | 24 | 0 | |
| | | | 5 | 1850.7 | 26047 | 23.02 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.88 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 22.92 | 24 | 0 | |
| | | 3 RB | 0 | 1850.7 | 26047 | 22.92 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.88 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 22.88 | 24 | 0 | |
| | | | 2 | 1850.7 | 26047 | 22.78 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.79 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 22.84 | 24 | 0 | |
| | | | 3 | 1850.7 | 26047 | 22.93 | 24 | 0 | |
| | | | | 1882.5 | 26365 | 22.49 | 24 | 0 | |
| | | | | 1914.3 | 26683 | 22.82 | 24 | 0 | |
| | | 6RB | | | 1850.7 | 26047 | 21.93 | 23 | 0-1 |
| | | | | | 1882.5 | 26365 | 21.80 | 23 | 0-1 |
| | | | | | 1914.3 | 26683 | 21.89 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1850.7 | 26047 | 22.25 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.23 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 22.27 | 23 | 0-1 | |
| | | | 2 | 1850.7 | 26047 | 22.27 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.23 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 22.03 | 23 | 0-1 | |
| | | | 5 | 1850.7 | 26047 | 22.30 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 22.02 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 22.21 | 23 | 0-1 | |
| | | 3 RB | 0 | 1850.7 | 26047 | 21.97 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.90 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 21.93 | 23 | 0-1 | |
| | | | 2 | 1850.7 | 26047 | 21.99 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.85 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 21.93 | 23 | 0-1 | |
| | | | 3 | 1850.7 | 26047 | 21.85 | 23 | 0-1 | |
| | | | | 1882.5 | 26365 | 21.82 | 23 | 0-1 | |
| | | | | 1914.3 | 26683 | 21.87 | 23 | 0-1 | |
| | | 6RB | | | 1850.7 | 26047 | 20.89 | 22 | 0-2 |
| | | | | | 1882.5 | 26365 | 20.75 | 22 | 0-2 |
| | | | | | 1914.3 | 26683 | 20.85 | 22 | 0-2 |

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| FDD Band 25 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 26047 | 21.81 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.69 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.82 | 22 | 0-2 |
| | | | 2 | 1850.7 | 26047 | 21.82 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.74 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.74 | 22 | 0-2 |
| | | | 5 | 1850.7 | 26047 | 21.72 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.71 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.78 | 22 | 0-2 |
| | | 3 RB | 0 | 1850.7 | 26047 | 21.70 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.64 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.68 | 22 | 0-2 |
| | | | 2 | 1850.7 | 26047 | 21.63 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.55 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.58 | 22 | 0-2 |
| | | | 3 | 1850.7 | 26047 | 21.71 | 22 | 0-2 |
| | | | | 1882.5 | 26365 | 21.52 | 22 | 0-2 |
| | | | | 1914.3 | 26683 | 21.61 | 22 | 0-2 |
| | | 6RB | | 1850.7 | 26047 | 20.54 | 21 | 0-3 |
| | | | | 1882.5 | 26365 | 20.41 | 21 | 0-3 |
| | | | | 1914.3 | 26683 | 20.52 | 21 | 0-3 |

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| FDD Band 26 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 821.5 | 26765 | 23.79 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.87 | 25 | 0 | |
| | | | | 841.5 | 26965 | 23.91 | 25 | 0 | |
| | | | 36 | 821.5 | 26765 | 23.86 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.86 | 25 | 0 | |
| | | | | 841.5 | 26965 | 23.85 | 25 | 0 | |
| | | | 74 | 821.5 | 26765 | 23.85 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.83 | 25 | 0 | |
| | | | | 841.5 | 26965 | 23.84 | 25 | 0 | |
| | | 36 RB | 0 | 821.5 | 26765 | 22.84 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.79 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.84 | 24 | 0-1 | |
| | | | 18 | 821.5 | 26765 | 22.87 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.88 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.85 | 24 | 0-1 | |
| | | | 37 | 821.5 | 26765 | 22.83 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.86 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.83 | 24 | 0-1 | |
| | | 75RB | | | 821.5 | 26765 | 22.90 | 24 | 0-1 |
| | | | | | 831.5 | 26865 | 22.92 | 24 | 0-1 |
| | | | | | 841.5 | 26965 | 22.93 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 821.5 | 26765 | 22.16 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.08 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.16 | 24 | 0-1 | |
| | | | 36 | 821.5 | 26765 | 22.21 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.13 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.15 | 24 | 0-1 | |
| | | | 74 | 821.5 | 26765 | 22.11 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.18 | 24 | 0-1 | |
| | | | | 841.5 | 26965 | 22.09 | 24 | 0-1 | |
| | | 36 RB | 0 | 821.5 | 26765 | 21.85 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.77 | 23 | 0-2 | |
| | | | | 841.5 | 26965 | 21.84 | 23 | 0-2 | |
| | | | 18 | 821.5 | 26765 | 21.87 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.88 | 23 | 0-2 | |
| | | | | 841.5 | 26965 | 21.87 | 23 | 0-2 | |
| | | | 37 | 821.5 | 26765 | 21.82 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.85 | 23 | 0-2 | |
| | | | | 841.5 | 26965 | 21.80 | 23 | 0-2 | |
| | | 75RB | | | 821.5 | 26765 | 21.89 | 23 | 0-2 |
| | | | | | 831.5 | 26865 | 21.91 | 23 | 0-2 |
| | | | | | 841.5 | 26965 | 21.91 | 23 | 0-2 |

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| FDD Band 26 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 821.5 | 26765 | 21.93 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.91 | 23 | 0-2 |
| | | | | 841.5 | 26965 | 21.97 | 23 | 0-2 |
| | | | 36 | 821.5 | 26765 | 22.00 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 22.00 | 23 | 0-2 |
| | | | | 841.5 | 26965 | 22.00 | 23 | 0-2 |
| | | | 74 | 821.5 | 26765 | 21.92 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 22.02 | 23 | 0-2 |
| | | | | 841.5 | 26965 | 21.93 | 23 | 0-2 |
| | | 36 RB | 0 | 821.5 | 26765 | 20.84 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.76 | 22 | 0-3 |
| | | | | 841.5 | 26965 | 20.83 | 22 | 0-3 |
| | | | 18 | 821.5 | 26765 | 20.86 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.87 | 22 | 0-3 |
| | | | | 841.5 | 26965 | 20.85 | 22 | 0-3 |
| | | | 37 | 821.5 | 26765 | 20.82 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.84 | 22 | 0-3 |
| | | | | 841.5 | 26965 | 20.77 | 22 | 0-3 |
| | | 75RB | | 821.5 | 26765 | 20.87 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.92 | 22 | 0-3 |
| | | | | 841.5 | 26965 | 20.89 | 22 | 0-3 |

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| FDD Band 26 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 10 | QPSK | 1 RB | 0 | 819 | 26740 | 23.74 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.75 | 25 | 0 | |
| | | | | 844 | 26990 | 23.86 | 25 | 0 | |
| | | | 25 | 819 | 26740 | 23.77 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.77 | 25 | 0 | |
| | | | | 844 | 26990 | 23.73 | 25 | 0 | |
| | | | 49 | 819 | 26740 | 23.70 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.80 | 25 | 0 | |
| | | | | 844 | 26990 | 23.71 | 25 | 0 | |
| | | 25 RB | 0 | 819 | 26740 | 22.78 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.69 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.81 | 24 | 0-1 | |
| | | | 12 | 819 | 26740 | 22.78 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.75 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.82 | 24 | 0-1 | |
| | | | 25 | 819 | 26740 | 22.65 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.71 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.68 | 24 | 0-1 | |
| | | 50RB | | | 819 | 26740 | 22.80 | 24 | 0-1 |
| | | | | | 831.5 | 26865 | 22.75 | 24 | 0-1 |
| | | | | | 844 | 26990 | 22.85 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 819 | 26740 | 22.82 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.72 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.76 | 24 | 0-1 | |
| | | | 25 | 819 | 26740 | 22.89 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.89 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.75 | 24 | 0-1 | |
| | | | 49 | 819 | 26740 | 22.79 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.85 | 24 | 0-1 | |
| | | | | 844 | 26990 | 22.71 | 24 | 0-1 | |
| | | 25 RB | 0 | 819 | 26740 | 21.73 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.61 | 23 | 0-2 | |
| | | | | 844 | 26990 | 21.78 | 23 | 0-2 | |
| | | | 12 | 819 | 26740 | 21.78 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.80 | 23 | 0-2 | |
| | | | | 844 | 26990 | 21.70 | 23 | 0-2 | |
| | | | 25 | 819 | 26740 | 21.78 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.80 | 23 | 0-2 | |
| | | | | 844 | 26990 | 21.68 | 23 | 0-2 | |
| | | 50RB | | | 819 | 26740 | 21.84 | 23 | 0-2 |
| | | | | | 831.5 | 26865 | 21.74 | 23 | 0-2 |
| | | | | | 844 | 26990 | 21.75 | 23 | 0-2 |

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| FDD Band 26 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 819 | 26740 | 21.88 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.71 | 23 | 0-2 |
| | | | | 844 | 26990 | 21.85 | 23 | 0-2 |
| | | | 25 | 819 | 26740 | 21.94 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.82 | 23 | 0-2 |
| | | | | 844 | 26990 | 21.92 | 23 | 0-2 |
| | | | 49 | 819 | 26740 | 21.86 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.81 | 23 | 0-2 |
| | | | | 844 | 26990 | 21.80 | 23 | 0-2 |
| | | 25 RB | 0 | 819 | 26740 | 20.80 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.66 | 22 | 0-3 |
| | | | | 844 | 26990 | 20.70 | 22 | 0-3 |
| | | | 12 | 819 | 26740 | 20.82 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.66 | 22 | 0-3 |
| | | | | 844 | 26990 | 20.77 | 22 | 0-3 |
| | | | 25 | 819 | 26740 | 20.77 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.66 | 22 | 0-3 |
| | | | | 844 | 26990 | 20.72 | 22 | 0-3 |
| | | 50RB | | 819 | 26740 | 20.82 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.75 | 22 | 0-3 |
| | | | | 844 | 26990 | 20.85 | 22 | 0-3 |

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| FDD Band 26 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 816.5 | 26715 | 23.59 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.61 | 25 | 0 | |
| | | | | 846.5 | 27015 | 23.68 | 25 | 0 | |
| | | | 12 | 816.5 | 26715 | 23.75 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.68 | 25 | 0 | |
| | | | | 846.5 | 27015 | 23.63 | 25 | 0 | |
| | | | 24 | 816.5 | 26715 | 23.56 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.64 | 25 | 0 | |
| | | | | 846.5 | 27015 | 23.52 | 25 | 0 | |
| | | 12 RB | 0 | 816.5 | 26715 | 22.61 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.63 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.72 | 24 | 0-1 | |
| | | | 6 | 816.5 | 26715 | 22.66 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.65 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.79 | 24 | 0-1 | |
| | | | 13 | 816.5 | 26715 | 22.54 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.57 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.55 | 24 | 0-1 | |
| | | 25RB | | | 816.5 | 26715 | 22.64 | 24 | 0-1 |
| | | | | | 831.5 | 26865 | 22.55 | 24 | 0-1 |
| | | | | | 846.5 | 27015 | 22.74 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 816.5 | 26715 | 22.78 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.58 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.63 | 24 | 0-1 | |
| | | | 12 | 816.5 | 26715 | 22.69 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.74 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.60 | 24 | 0-1 | |
| | | | 24 | 816.5 | 26715 | 22.59 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.76 | 24 | 0-1 | |
| | | | | 846.5 | 27015 | 22.55 | 24 | 0-1 | |
| | | 12 RB | 0 | 816.5 | 26715 | 21.66 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.46 | 23 | 0-2 | |
| | | | | 846.5 | 27015 | 21.57 | 23 | 0-2 | |
| | | | 6 | 816.5 | 26715 | 21.72 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.77 | 23 | 0-2 | |
| | | | | 846.5 | 27015 | 21.51 | 23 | 0-2 | |
| | | | 13 | 816.5 | 26715 | 21.69 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.63 | 23 | 0-2 | |
| | | | | 846.5 | 27015 | 21.55 | 23 | 0-2 | |
| | | 25RB | | | 816.5 | 26715 | 21.66 | 23 | 0-2 |
| | | | | | 831.5 | 26865 | 21.55 | 23 | 0-2 |
| | | | | | 846.5 | 27015 | 21.54 | 23 | 0-2 |

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| FDD Band 26 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 816.5 | 26715 | 21.74 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.54 | 23 | 0-2 |
| | | | | 846.5 | 27015 | 21.65 | 23 | 0-2 |
| | | | 12 | 816.5 | 26715 | 21.76 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.72 | 23 | 0-2 |
| | | | | 846.5 | 27015 | 21.89 | 23 | 0-2 |
| | | | 24 | 816.5 | 26715 | 21.79 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.72 | 23 | 0-2 |
| | | | | 846.5 | 27015 | 21.67 | 23 | 0-2 |
| | | 12 RB | 0 | 816.5 | 26715 | 20.77 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.61 | 22 | 0-3 |
| | | | | 846.5 | 27015 | 20.51 | 22 | 0-3 |
| | | | 6 | 816.5 | 26715 | 20.74 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.49 | 22 | 0-3 |
| | | | | 846.5 | 27015 | 20.70 | 22 | 0-3 |
| | | | 13 | 816.5 | 26715 | 20.69 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.60 | 22 | 0-3 |
| | | | | 846.5 | 27015 | 20.52 | 22 | 0-3 |
| | | 25RB | | 816.5 | 26715 | 20.75 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.62 | 22 | 0-3 |
| | | | | 846.5 | 27015 | 20.65 | 22 | 0-3 |

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| FDD Band 26 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 815.5 | 26705 | 23.48 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.58 | 25 | 0 | |
| | | | | 847.5 | 27025 | 23.59 | 25 | 0 | |
| | | | 7 | 815.5 | 26705 | 23.58 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.49 | 25 | 0 | |
| | | | | 847.5 | 27025 | 23.50 | 25 | 0 | |
| | | | 14 | 815.5 | 26705 | 23.45 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.60 | 25 | 0 | |
| | | | | 847.5 | 27025 | 23.31 | 25 | 0 | |
| | | 8 RB | 0 | 815.5 | 26705 | 22.41 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.61 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.52 | 24 | 0-1 | |
| | | | 4 | 815.5 | 26705 | 22.64 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.54 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.60 | 24 | 0-1 | |
| | | | 7 | 815.5 | 26705 | 22.41 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.51 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.36 | 24 | 0-1 | |
| | | 15RB | | | 815.5 | 26705 | 22.51 | 24 | 0-1 |
| | | | | | 831.5 | 26865 | 22.41 | 24 | 0-1 |
| | | | | | 847.5 | 27025 | 22.68 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 815.5 | 26705 | 22.57 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.51 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.54 | 24 | 0-1 | |
| | | | 7 | 815.5 | 26705 | 22.57 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.55 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.50 | 24 | 0-1 | |
| | | | 14 | 815.5 | 26705 | 22.43 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.72 | 24 | 0-1 | |
| | | | | 847.5 | 27025 | 22.35 | 24 | 0-1 | |
| | | 8 RB | 0 | 815.5 | 26705 | 21.45 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.28 | 23 | 0-2 | |
| | | | | 847.5 | 27025 | 21.48 | 23 | 0-2 | |
| | | | 4 | 815.5 | 26705 | 21.69 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.61 | 23 | 0-2 | |
| | | | | 847.5 | 27025 | 21.31 | 23 | 0-2 | |
| | | | 7 | 815.5 | 26705 | 21.61 | 23 | 0-2 | |
| | | | | 831.5 | 26865 | 21.46 | 23 | 0-2 | |
| | | | | 847.5 | 27025 | 21.39 | 23 | 0-2 | |
| | | 15RB | | | 815.5 | 26705 | 21.61 | 23 | 0-2 |
| | | | | | 831.5 | 26865 | 21.45 | 23 | 0-2 |
| | | | | | 847.5 | 27025 | 21.43 | 23 | 0-2 |

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| FDD Band 26 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 815.5 | 26705 | 21.59 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.35 | 23 | 0-2 |
| | | | | 847.5 | 27025 | 21.46 | 23 | 0-2 |
| | | | 7 | 815.5 | 26705 | 21.56 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.59 | 23 | 0-2 |
| | | | | 847.5 | 27025 | 21.82 | 23 | 0-2 |
| | | | 14 | 815.5 | 26705 | 21.68 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.53 | 23 | 0-2 |
| | | | | 847.5 | 27025 | 21.64 | 23 | 0-2 |
| | | 8 RB | 0 | 815.5 | 26705 | 20.65 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.58 | 22 | 0-3 |
| | | | | 847.5 | 27025 | 20.41 | 22 | 0-3 |
| | | | 4 | 815.5 | 26705 | 20.69 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.33 | 22 | 0-3 |
| | | | | 847.5 | 27025 | 20.67 | 22 | 0-3 |
| | | | 7 | 815.5 | 26705 | 20.66 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.41 | 22 | 0-3 |
| | | | | 847.5 | 27025 | 20.47 | 22 | 0-3 |
| | | 15RB | | 815.5 | 26705 | 20.61 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.52 | 22 | 0-3 |
| | | | | 847.5 | 27025 | 20.62 | 22 | 0-3 |

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| FDD Band 26 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 814.7 | 26697 | 23.52 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.78 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.71 | 25 | 0 | |
| | | | 2 | 814.7 | 26697 | 23.67 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.77 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.70 | 25 | 0 | |
| | | | 5 | 814.7 | 26697 | 23.70 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.79 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.71 | 25 | 0 | |
| | | 3 RB | 0 | 814.7 | 26697 | 23.65 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.77 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.70 | 25 | 0 | |
| | | | 2 | 814.7 | 26697 | 23.64 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.75 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.66 | 25 | 0 | |
| | | | 3 | 814.7 | 26697 | 23.50 | 25 | 0 | |
| | | | | 831.5 | 26865 | 23.76 | 25 | 0 | |
| | | | | 848.3 | 27033 | 23.67 | 25 | 0 | |
| | | 6RB | | | 814.7 | 26697 | 22.65 | 24 | 0-1 |
| | | | | | 831.5 | 26865 | 22.77 | 24 | 0-1 |
| | | | | | 848.3 | 27033 | 22.69 | 24 | 0-1 |
| | 16-QAM | 1 RB | 0 | 814.7 | 26697 | 22.98 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 23.09 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.99 | 24 | 0-1 | |
| | | | 2 | 814.7 | 26697 | 22.89 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 23.09 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.94 | 24 | 0-1 | |
| | | | 5 | 814.7 | 26697 | 22.98 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 23.07 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.96 | 24 | 0-1 | |
| | | 3 RB | 0 | 814.7 | 26697 | 22.74 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.89 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.75 | 24 | 0-1 | |
| | | | 2 | 814.7 | 26697 | 22.75 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.83 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.72 | 24 | 0-1 | |
| | | | 3 | 814.7 | 26697 | 22.74 | 24 | 0-1 | |
| | | | | 831.5 | 26865 | 22.86 | 24 | 0-1 | |
| | | | | 848.3 | 27033 | 22.43 | 24 | 0-1 | |
| | | 6RB | | | 814.7 | 26697 | 21.68 | 23 | 0-2 |
| | | | | | 831.5 | 26865 | 21.85 | 23 | 0-2 |
| | | | | | 848.3 | 27033 | 21.69 | 23 | 0-2 |

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| FDD Band 26 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 814.7 | 26697 | 21.91 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.96 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.87 | 23 | 0-2 |
| | | | 2 | 814.7 | 26697 | 21.88 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.97 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.76 | 23 | 0-2 |
| | | | 5 | 814.7 | 26697 | 21.89 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 22.05 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.93 | 23 | 0-2 |
| | | 3 RB | 0 | 814.7 | 26697 | 21.82 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.90 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.80 | 23 | 0-2 |
| | | | 2 | 814.7 | 26697 | 21.81 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.96 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.82 | 23 | 0-2 |
| | | | 3 | 814.7 | 26697 | 21.66 | 23 | 0-2 |
| | | | | 831.5 | 26865 | 21.91 | 23 | 0-2 |
| | | | | 848.3 | 27033 | 21.81 | 23 | 0-2 |
| | | 6RB | | 814.7 | 26697 | 20.77 | 22 | 0-3 |
| | | | | 831.5 | 26865 | 20.91 | 22 | 0-3 |
| | | | | 848.3 | 27033 | 20.83 | 22 | 0-3 |

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| FDD Band 30 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 2310 | 27710 | 22.09 | 23 | 0 |
| | | | 25 | 2310 | 27710 | 21.99 | 23 | 0 |
| | | | 49 | 2310 | 27710 | 21.85 | 23 | 0 |
| | | 25 RB | 0 | 2310 | 27710 | 20.98 | 22 | 0-1 |
| | | | 12 | 2310 | 27710 | 20.99 | 22 | 0-1 |
| | | | 25 | 2310 | 27710 | 20.96 | 22 | 0-1 |
| | | 50RB | | 2310 | 27710 | 21.03 | 22 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2310 | 27710 | 21.51 | 22 | 0-1 |
| | | | 25 | 2310 | 27710 | 21.39 | 22 | 0-1 |
| | | | 49 | 2310 | 27710 | 21.27 | 22 | 0-1 |
| | | 25 RB | 0 | 2310 | 27710 | 19.96 | 21 | 0-2 |
| | | | 12 | 2310 | 27710 | 19.96 | 21 | 0-2 |
| | | | 25 | 2310 | 27710 | 19.93 | 21 | 0-2 |
| | | 50RB | | 2310 | 27710 | 19.97 | 21 | 0-2 |
| | 64-QAM | 1 RB | 0 | 2310 | 27710 | 20.83 | 21 | 0-2 |
| | | | 25 | 2310 | 27710 | 20.81 | 21 | 0-2 |
| | | | 49 | 2310 | 27710 | 20.74 | 21 | 0-2 |
| | | 25 RB | 0 | 2310 | 27710 | 19.95 | 20 | 0-3 |
| | | | 12 | 2310 | 27710 | 19.97 | 20 | 0-3 |
| | | | 25 | 2310 | 27710 | 19.94 | 20 | 0-3 |
| | | 50RB | | 2310 | 27710 | 19.98 | 20 | 0-3 |

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| FDD Band 30 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 2307.5 | 27685 | 22.01 | 23 | 0 | |
| | | | | 2310 | 27710 | 21.84 | 23 | 0 | |
| | | | | 2312.5 | 27735 | 21.74 | 23 | 0 | |
| | | | 12 | 2307.5 | 27685 | 21.97 | 23 | 0 | |
| | | | | 2310 | 27710 | 21.97 | 23 | 0 | |
| | | | | 2312.5 | 27735 | 21.73 | 23 | 0 | |
| | | | 24 | 2307.5 | 27685 | 22.06 | 23 | 0 | |
| | | | | 2310 | 27710 | 21.79 | 23 | 0 | |
| | | | | 2312.5 | 27735 | 21.67 | 23 | 0 | |
| | | 12 RB | 0 | 2307.5 | 27685 | 20.84 | 22 | 0-1 | |
| | | | | 2310 | 27710 | 20.91 | 22 | 0-1 | |
| | | | | 2312.5 | 27735 | 20.82 | 22 | 0-1 | |
| | | | 6 | 2307.5 | 27685 | 20.92 | 22 | 0-1 | |
| | | | | 2310 | 27710 | 21.46 | 22 | 0-1 | |
| | | | | 2312.5 | 27735 | 21.28 | 22 | 0-1 | |
| | | | 13 | 2307.5 | 27685 | 21.23 | 22 | 0-1 | |
| | | | | 2310 | 27710 | 20.78 | 22 | 0-1 | |
| | | | | 2312.5 | 27735 | 20.90 | 22 | 0-1 | |
| | | 25RB | | 2307.5 | 27685 | 20.85 | 22 | 0-1 | |
| | | | | 2310 | 27710 | 20.96 | 22 | 0-1 | |
| | | | | 2312.5 | 27735 | 21.45 | 22 | 0-1 | |
| | | 16-QAM | 1 RB | 0 | 2307.5 | 27685 | 21.32 | 22 | 0-1 |
| | | | | | 2310 | 27710 | 21.18 | 22 | 0-1 |
| | | | | | 2312.5 | 27735 | 20.80 | 22 | 0-1 |
| | | | | 12 | 2307.5 | 27685 | 20.95 | 22 | 0-1 |
| | | | | | 2310 | 27710 | 20.94 | 22 | 0-1 |
| | | | | | 2312.5 | 27735 | 20.85 | 22 | 0-1 |
| | 24 | | | 2307.5 | 27685 | 21.33 | 22 | 0-1 | |
| | | | | 2310 | 27710 | 21.24 | 22 | 0-1 | |
| | | | | 2312.5 | 27735 | 21.21 | 22 | 0-1 | |
| | 12 RB | | 0 | 2307.5 | 27685 | 19.80 | 21 | 0-2 | |
| | | | | 2310 | 27710 | 19.81 | 21 | 0-2 | |
| | | | | 2312.5 | 27735 | 19.87 | 21 | 0-2 | |
| | | | 6 | 2307.5 | 27685 | 19.86 | 21 | 0-2 | |
| | | | | 2310 | 27710 | 20.74 | 21 | 0-2 | |
| | | | | 2312.5 | 27735 | 20.79 | 21 | 0-2 | |
| | | | 13 | 2307.5 | 27685 | 20.59 | 21 | 0-2 | |
| | | | | 2310 | 27710 | 19.81 | 21 | 0-2 | |
| | | | | 2312.5 | 27735 | 19.83 | 21 | 0-2 | |
| | 25RB | | 2307.5 | 27685 | 19.90 | 21 | 0-2 | | |
| | | | 2310 | 27710 | 19.93 | 21 | 0-2 | | |
| | | | 2312.5 | 27735 | 20.65 | 21 | 0-2 | | |

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| FDD Band 30 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 2307.5 | 27685 | 20.73 | 21 | 0-2 |
| | | | | 2310 | 27710 | 20.72 | 21 | 0-2 |
| | | | | 2312.5 | 27735 | 19.94 | 21 | 0-2 |
| | | | 12 | 2307.5 | 27685 | 19.82 | 21 | 0-2 |
| | | | | 2310 | 27710 | 19.87 | 21 | 0-2 |
| | | | | 2312.5 | 27735 | 19.76 | 21 | 0-2 |
| | | | 24 | 2307.5 | 27685 | 20.75 | 21 | 0-2 |
| | | | | 2310 | 27710 | 20.64 | 21 | 0-2 |
| | | | | 2312.5 | 27735 | 20.65 | 21 | 0-2 |
| | | 12 RB | 0 | 2307.5 | 27685 | 19.76 | 20 | 0-3 |
| | | | | 2310 | 27710 | 19.76 | 20 | 0-3 |
| | | | | 2312.5 | 27735 | 19.75 | 20 | 0-3 |
| | | | 6 | 2307.5 | 27685 | 19.78 | 20 | 0-3 |
| | | | | 2310 | 27710 | 19.88 | 20 | 0-3 |
| | | | | 2312.5 | 27735 | 19.81 | 20 | 0-3 |
| | | | 13 | 2307.5 | 27685 | 19.89 | 20 | 0-3 |
| | | | | 2310 | 27710 | 19.93 | 20 | 0-3 |
| | | | | 2312.5 | 27735 | 19.74 | 20 | 0-3 |
| | | 25RB | | 2307.5 | 27685 | 19.78 | 20 | 0-3 |
| | | | | 2310 | 27710 | 19.86 | 20 | 0-3 |
| | | | | 2312.5 | 27735 | 19.90 | 20 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 20 | QPSK | 1 RB | 0 | 1720 | 132072 | 23.03 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.85 | 24 | 0 | |
| | | | | 1770 | 132572 | 22.88 | 24 | 0 | |
| | | | 50 | 1720 | 132072 | 22.85 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.77 | 24 | 0 | |
| | | | | 1770 | 132572 | 22.74 | 24 | 0 | |
| | | | 99 | 1720 | 132072 | 22.84 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.55 | 24 | 0 | |
| | | | | 1770 | 132572 | 22.71 | 24 | 0 | |
| | | 50 RB | 0 | 1720 | 132072 | 21.95 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.85 | 23 | 0-1 | |
| | | | | 1770 | 132572 | 21.68 | 23 | 0-1 | |
| | | | 25 | 1720 | 132072 | 21.87 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.81 | 23 | 0-1 | |
| | | | | 1770 | 132572 | 21.63 | 23 | 0-1 | |
| | | | 50 | 1720 | 132072 | 21.92 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.81 | 23 | 0-1 | |
| | | | | 1770 | 132572 | 21.65 | 23 | 0-1 | |
| | | 100RB | | | 1720 | 132072 | 21.91 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.85 | 23 | 0-1 |
| | | | | | 1770 | 132572 | 21.87 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1720 | 132072 | 22.21 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 22.09 | 23 | 0-1 |
| | | | | | 1770 | 132572 | 22.20 | 23 | 0-1 |
| | | | | 50 | 1720 | 132072 | 22.11 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 22.05 | 23 | 0-1 |
| | | | | | 1770 | 132572 | 22.05 | 23 | 0-1 |
| | 99 | | | 1720 | 132072 | 22.13 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 22.03 | 23 | 0-1 | |
| | | | | 1770 | 132572 | 21.91 | 23 | 0-1 | |
| | 50 RB | | | 0 | 1720 | 132072 | 20.83 | 22 | 0-2 |
| | | | | | 1745 | 132322 | 20.89 | 22 | 0-2 |
| | | | | | 1770 | 132572 | 20.84 | 22 | 0-2 |
| | | | 25 | 1720 | 132072 | 20.87 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.86 | 22 | 0-2 | |
| | | | | 1770 | 132572 | 20.82 | 22 | 0-2 | |
| | | | 50 | 1720 | 132072 | 20.96 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.84 | 22 | 0-2 | |
| | | | | 1770 | 132572 | 20.65 | 22 | 0-2 | |
| | 100RB | | | 1720 | 132072 | 20.92 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.88 | 22 | 0-2 | |
| | | | | 1770 | 132572 | 20.88 | 22 | 0-2 | |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 132072 | 21.75 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.73 | 22 | 0-2 |
| | | | | 1770 | 132572 | 21.80 | 22 | 0-2 |
| | | | 50 | 1720 | 132072 | 21.76 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.61 | 22 | 0-2 |
| | | | | 1770 | 132572 | 21.61 | 22 | 0-2 |
| | | | 99 | 1720 | 132072 | 21.64 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.52 | 22 | 0-2 |
| | | | | 1770 | 132572 | 21.62 | 22 | 0-2 |
| | | 50 RB | 0 | 1720 | 132072 | 20.82 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.90 | 21 | 0-3 |
| | | | | 1770 | 132572 | 20.87 | 21 | 0-3 |
| | | | 25 | 1720 | 132072 | 20.88 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.86 | 21 | 0-3 |
| | | | | 1770 | 132572 | 20.65 | 21 | 0-3 |
| | | | 50 | 1720 | 132072 | 20.96 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.85 | 21 | 0-3 |
| | | | | 1770 | 132572 | 20.81 | 21 | 0-3 |
| | | 100RB | | 1720 | 132072 | 20.79 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.90 | 21 | 0-3 |
| | | | | 1770 | 132572 | 20.88 | 21 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 1717.5 | 132047 | 22.85 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.82 | 24 | 0 | |
| | | | | 1772.5 | 132597 | 22.75 | 24 | 0 | |
| | | | 36 | 1717.5 | 132047 | 22.65 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.65 | 24 | 0 | |
| | | | | 1772.5 | 132597 | 22.56 | 24 | 0 | |
| | | | 74 | 1717.5 | 132047 | 22.74 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.38 | 24 | 0 | |
| | | | | 1772.5 | 132597 | 22.55 | 24 | 0 | |
| | | 36 RB | 0 | 1717.5 | 132047 | 21.88 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.76 | 23 | 0-1 | |
| | | | | 1772.5 | 132597 | 21.64 | 23 | 0-1 | |
| | | | 18 | 1717.5 | 132047 | 21.72 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.65 | 23 | 0-1 | |
| | | | | 1772.5 | 132597 | 21.47 | 23 | 0-1 | |
| | | | 37 | 1717.5 | 132047 | 21.87 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.78 | 23 | 0-1 | |
| | | | | 1772.5 | 132597 | 21.74 | 23 | 0-1 | |
| | | 75RB | 1717.5 | 132047 | 21.77 | 23 | 0-1 | | |
| | | | 1745 | 132322 | 21.80 | 23 | 0-1 | | |
| | | | 1772.5 | 132597 | 21.72 | 23 | 0-1 | | |
| | | 16-QAM | 1 RB | 0 | 1717.5 | 132047 | 22.12 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 22.01 | 23 | 0-1 |
| | | | | | 1772.5 | 132597 | 22.14 | 23 | 0-1 |
| | | | | 36 | 1717.5 | 132047 | 21.90 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.90 | 23 | 0-1 |
| | | | | | 1772.5 | 132597 | 21.86 | 23 | 0-1 |
| | 74 | | | 1717.5 | 132047 | 21.98 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 22.01 | 23 | 0-1 | |
| | | | | 1772.5 | 132597 | 21.73 | 23 | 0-1 | |
| | 36 RB | | 0 | 1717.5 | 132047 | 20.74 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.77 | 22 | 0-2 | |
| | | | | 1772.5 | 132597 | 20.66 | 22 | 0-2 | |
| | | | 18 | 1717.5 | 132047 | 20.72 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.76 | 22 | 0-2 | |
| | | | | 1772.5 | 132597 | 20.64 | 22 | 0-2 | |
| | | | 37 | 1717.5 | 132047 | 20.78 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.71 | 22 | 0-2 | |
| | | | | 1772.5 | 132597 | 20.55 | 22 | 0-2 | |
| | 75RB | | 1717.5 | 132047 | 20.75 | 22 | 0-2 | | |
| | | | 1745 | 132322 | 20.69 | 22 | 0-2 | | |
| | | | 1772.5 | 132597 | 20.85 | 22 | 0-2 | | |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 132047 | 21.58 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.68 | 22 | 0-2 |
| | | | | 1772.5 | 132597 | 21.62 | 22 | 0-2 |
| | | | 36 | 1717.5 | 132047 | 21.69 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.41 | 22 | 0-2 |
| | | | | 1772.5 | 132597 | 21.46 | 22 | 0-2 |
| | | | 74 | 1717.5 | 132047 | 21.47 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.47 | 22 | 0-2 |
| | | | | 1772.5 | 132597 | 21.59 | 22 | 0-2 |
| | | 36 RB | 0 | 1717.5 | 132047 | 20.71 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.70 | 21 | 0-3 |
| | | | | 1772.5 | 132597 | 20.77 | 21 | 0-3 |
| | | | 18 | 1717.5 | 132047 | 20.67 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.80 | 21 | 0-3 |
| | | | | 1772.5 | 132597 | 20.50 | 21 | 0-3 |
| | | | 37 | 1717.5 | 132047 | 20.79 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.65 | 21 | 0-3 |
| | | | | 1772.5 | 132597 | 20.79 | 21 | 0-3 |
| | | 75RB | | 1717.5 | 132047 | 20.60 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.78 | 21 | 0-3 |
| | | | | 1772.5 | 132597 | 20.77 | 21 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|-----|
| 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 | 132022 | 22.79 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.79 | 24 | 0 | |
| | | | | 1775 | 132622 | 22.59 | 24 | 0 | |
| | | | 25 | 1715 | 132022 | 22.58 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.52 | 24 | 0 | |
| | | | | 1775 | 132622 | 22.44 | 24 | 0 | |
| | | | 49 | 1715 | 132022 | 22.64 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.18 | 24 | 0 | |
| | | | | 1775 | 132622 | 22.44 | 24 | 0 | |
| | | 25 RB | 0 | 1715 | 132022 | 21.71 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.72 | 23 | 0-1 | |
| | | | | 1775 | 132622 | 21.49 | 23 | 0-1 | |
| | | | 12 | 1715 | 132022 | 21.70 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.59 | 23 | 0-1 | |
| | | | | 1775 | 132622 | 21.42 | 23 | 0-1 | |
| | | | 25 | 1715 | 132022 | 21.71 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.67 | 23 | 0-1 | |
| | | | | 1775 | 132622 | 21.70 | 23 | 0-1 | |
| | | 50RB | | | 1715 | 132022 | 21.72 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.72 | 23 | 0-1 |
| | | | | | 1775 | 132622 | 21.70 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1715 | 132022 | 21.99 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.81 | 23 | 0-1 |
| | | | | | 1775 | 132622 | 22.04 | 23 | 0-1 |
| | | | | 25 | 1715 | 132022 | 21.78 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.84 | 23 | 0-1 |
| | | | | | 1775 | 132622 | 21.74 | 23 | 0-1 |
| | 49 | | | 1715 | 132022 | 21.92 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.98 | 23 | 0-1 | |
| | | | | 1775 | 132622 | 21.57 | 23 | 0-1 | |
| | 25 RB | | 0 | 1715 | 132022 | 20.57 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.62 | 22 | 0-2 | |
| | | | | 1775 | 132622 | 20.47 | 22 | 0-2 | |
| | | | 12 | 1715 | 132022 | 20.69 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.63 | 22 | 0-2 | |
| | | | | 1775 | 132622 | 20.53 | 22 | 0-2 | |
| | | | 25 | 1715 | 132022 | 20.62 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.65 | 22 | 0-2 | |
| | | | | 1775 | 132622 | 20.50 | 22 | 0-2 | |
| | 50RB | | | 1715 | 132022 | 20.73 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.53 | 22 | 0-2 | |
| | | | | 1775 | 132622 | 20.65 | 22 | 0-2 | |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 132022 | 21.38 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.56 | 22 | 0-2 |
| | | | | 1775 | 132622 | 21.42 | 22 | 0-2 |
| | | | 25 | 1715 | 132022 | 21.62 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.33 | 22 | 0-2 |
| | | | | 1775 | 132622 | 21.31 | 22 | 0-2 |
| | | | 49 | 1715 | 132022 | 21.29 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.37 | 22 | 0-2 |
| | | | | 1775 | 132622 | 21.55 | 22 | 0-2 |
| | | 25 RB | 0 | 1715 | 132022 | 20.62 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.59 | 21 | 0-3 |
| | | | | 1775 | 132622 | 20.56 | 21 | 0-3 |
| | | | 12 | 1715 | 132022 | 20.62 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.76 | 21 | 0-3 |
| | | | | 1775 | 132622 | 20.34 | 21 | 0-3 |
| | | | 25 | 1715 | 132022 | 20.68 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.53 | 21 | 0-3 |
| | | | | 1775 | 132622 | 20.59 | 21 | 0-3 |
| | | 50RB | | 1715 | 132022 | 20.48 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.62 | 21 | 0-3 |
| | | | | 1775 | 132622 | 20.71 | 21 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 1712.5 | 131997 | 22.60 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.61 | 24 | 0 | |
| | | | | 1777.5 | 132647 | 22.39 | 24 | 0 | |
| | | | 12 | 1712.5 | 131997 | 22.50 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.32 | 24 | 0 | |
| | | | | 1777.5 | 132647 | 22.36 | 24 | 0 | |
| | | | 24 | 1712.5 | 131997 | 22.48 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.00 | 24 | 0 | |
| | | | | 1777.5 | 132647 | 22.28 | 24 | 0 | |
| | | 12 RB | 0 | 1712.5 | 131997 | 21.55 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.59 | 23 | 0-1 | |
| | | | | 1777.5 | 132647 | 21.46 | 23 | 0-1 | |
| | | | 6 | 1712.5 | 131997 | 21.61 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.39 | 23 | 0-1 | |
| | | | | 1777.5 | 132647 | 21.37 | 23 | 0-1 | |
| | | | 13 | 1712.5 | 131997 | 21.58 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.59 | 23 | 0-1 | |
| | | | | 1777.5 | 132647 | 21.67 | 23 | 0-1 | |
| | | 25RB | | | 1712.5 | 131997 | 21.55 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.61 | 23 | 0-1 |
| | | | | | 1777.5 | 132647 | 21.55 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1712.5 | 131997 | 21.83 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.72 | 23 | 0-1 |
| | | | | | 1777.5 | 132647 | 21.85 | 23 | 0-1 |
| | | | | 12 | 1712.5 | 131997 | 21.76 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.82 | 23 | 0-1 |
| | | | | | 1777.5 | 132647 | 21.66 | 23 | 0-1 |
| | 24 | | | 1712.5 | 131997 | 21.76 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.96 | 23 | 0-1 | |
| | | | | 1777.5 | 132647 | 21.46 | 23 | 0-1 | |
| | 12 RB | | 0 | 1712.5 | 131997 | 20.38 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.54 | 22 | 0-2 | |
| | | | | 1777.5 | 132647 | 20.39 | 22 | 0-2 | |
| | | | 6 | 1712.5 | 131997 | 20.58 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.59 | 22 | 0-2 | |
| | | | | 1777.5 | 132647 | 20.49 | 22 | 0-2 | |
| | | | 13 | 1712.5 | 131997 | 20.41 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.52 | 22 | 0-2 | |
| | | | | 1777.5 | 132647 | 20.40 | 22 | 0-2 | |
| | 25RB | | | 1712.5 | 131997 | 20.60 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.40 | 22 | 0-2 | |
| | | | | 1777.5 | 132647 | 20.50 | 22 | 0-2 | |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 131997 | 21.27 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.53 | 22 | 0-2 |
| | | | | 1777.5 | 132647 | 21.27 | 22 | 0-2 |
| | | | 12 | 1712.5 | 131997 | 21.54 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.30 | 22 | 0-2 |
| | | | | 1777.5 | 132647 | 21.18 | 22 | 0-2 |
| | | | 24 | 1712.5 | 131997 | 21.22 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.32 | 22 | 0-2 |
| | | | | 1777.5 | 132647 | 21.51 | 22 | 0-2 |
| | | 12 RB | 0 | 1712.5 | 131997 | 20.53 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.51 | 21 | 0-3 |
| | | | | 1777.5 | 132647 | 20.38 | 21 | 0-3 |
| | | | 6 | 1712.5 | 131997 | 20.48 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.57 | 21 | 0-3 |
| | | | | 1777.5 | 132647 | 20.17 | 21 | 0-3 |
| | | | 13 | 1712.5 | 131997 | 20.63 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.43 | 21 | 0-3 |
| | | | | 1777.5 | 132647 | 20.56 | 21 | 0-3 |
| | | 25RB | | 1712.5 | 131997 | 20.46 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.57 | 21 | 0-3 |
| | | | | 1777.5 | 132647 | 20.68 | 21 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 3 | QPSK | 1 RB | 0 | 1711.5 | 131987 | 22.52 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.50 | 24 | 0 | |
| | | | | 1778.5 | 132657 | 22.26 | 24 | 0 | |
| | | | 7 | 1711.5 | 131987 | 22.42 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.22 | 24 | 0 | |
| | | | | 1778.5 | 132657 | 22.26 | 24 | 0 | |
| | | | 14 | 1711.5 | 131987 | 22.43 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.23 | 24 | 0 | |
| | | | | 1778.5 | 132657 | 22.22 | 24 | 0 | |
| | | 8 RB | 0 | 1711.5 | 131987 | 21.40 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.38 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.42 | 23 | 0-1 | |
| | | | 4 | 1711.5 | 131987 | 21.53 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.34 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.17 | 23 | 0-1 | |
| | | | 7 | 1711.5 | 131987 | 21.51 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.49 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.58 | 23 | 0-1 | |
| | | 15RB | | | 1711.5 | 131987 | 21.44 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.56 | 23 | 0-1 |
| | | | | | 1778.5 | 132657 | 21.42 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 1711.5 | 131987 | 21.77 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.65 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.74 | 23 | 0-1 | |
| | | | 7 | 1711.5 | 131987 | 21.74 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.78 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.56 | 23 | 0-1 | |
| | | | 14 | 1711.5 | 131987 | 21.71 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.86 | 23 | 0-1 | |
| | | | | 1778.5 | 132657 | 21.29 | 23 | 0-1 | |
| | | 8 RB | 0 | 1711.5 | 131987 | 20.21 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.43 | 22 | 0-2 | |
| | | | | 1778.5 | 132657 | 20.34 | 22 | 0-2 | |
| | | | 4 | 1711.5 | 131987 | 20.54 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.51 | 22 | 0-2 | |
| | | | | 1778.5 | 132657 | 20.31 | 22 | 0-2 | |
| | | | 7 | 1711.5 | 131987 | 20.32 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.43 | 22 | 0-2 | |
| | | | | 1778.5 | 132657 | 20.32 | 22 | 0-2 | |
| | | 15RB | | | 1711.5 | 131987 | 20.42 | 22 | 0-2 |
| | | | | | 1745 | 132322 | 20.31 | 22 | 0-2 |
| | | | | | 1778.5 | 132657 | 20.30 | 22 | 0-2 |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 131987 | 21.15 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.41 | 22 | 0-2 |
| | | | | 1778.5 | 132657 | 21.21 | 22 | 0-2 |
| | | | 7 | 1711.5 | 131987 | 21.39 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.28 | 22 | 0-2 |
| | | | | 1778.5 | 132657 | 21.02 | 22 | 0-2 |
| | | | 14 | 1711.5 | 131987 | 21.19 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.25 | 22 | 0-2 |
| | | | | 1778.5 | 132657 | 21.42 | 22 | 0-2 |
| | | 8 RB | 0 | 1711.5 | 131987 | 20.37 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.42 | 21 | 0-3 |
| | | | | 1778.5 | 132657 | 20.36 | 21 | 0-3 |
| | | | 4 | 1711.5 | 131987 | 20.43 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.46 | 21 | 0-3 |
| | | | | 1778.5 | 132657 | 20.04 | 21 | 0-3 |
| | | | 7 | 1711.5 | 131987 | 20.55 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.35 | 21 | 0-3 |
| | | | | 1778.5 | 132657 | 20.49 | 21 | 0-3 |
| | | 15RB | | 1711.5 | 131987 | 20.30 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.44 | 21 | 0-3 |
| | | | | 1778.5 | 132657 | 20.58 | 21 | 0-3 |

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| FDD Band 66 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 1.4 | QPSK | 1 RB | 0 | 1710.7 | 131979 | 22.92 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.84 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.60 | 24 | 0 | |
| | | | 2 | 1710.7 | 131979 | 22.91 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.81 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.72 | 24 | 0 | |
| | | | 5 | 1710.7 | 131979 | 22.93 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.81 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.73 | 24 | 0 | |
| | | 3 RB | 0 | 1710.7 | 131979 | 22.89 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.81 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.42 | 24 | 0 | |
| | | | 2 | 1710.7 | 131979 | 22.92 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.78 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.71 | 24 | 0 | |
| | | | 3 | 1710.7 | 131979 | 22.76 | 24 | 0 | |
| | | | | 1745 | 132322 | 22.67 | 24 | 0 | |
| | | | | 1779.3 | 132665 | 22.72 | 24 | 0 | |
| | | 6RB | | | 1710.7 | 131979 | 21.94 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.85 | 23 | 0-1 |
| | | | | | 1779.3 | 132665 | 21.74 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 1710.7 | 131979 | 22.20 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 22.15 | 23 | 0-1 |
| | | | | | 1779.3 | 132665 | 21.99 | 23 | 0-1 |
| | | | | 2 | 1710.7 | 131979 | 22.24 | 23 | 0-1 |
| | | | | | 1745 | 132322 | 21.94 | 23 | 0-1 |
| | | | | | 1779.3 | 132665 | 21.99 | 23 | 0-1 |
| | 5 | | | 1710.7 | 131979 | 22.26 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 22.14 | 23 | 0-1 | |
| | | | | 1779.3 | 132665 | 22.10 | 23 | 0-1 | |
| | 3 RB | | 0 | 1710.7 | 131979 | 22.04 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.96 | 23 | 0-1 | |
| | | | | 1779.3 | 132665 | 21.82 | 23 | 0-1 | |
| | | | 2 | 1710.7 | 131979 | 22.07 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.96 | 23 | 0-1 | |
| | | | | 1779.3 | 132665 | 21.84 | 23 | 0-1 | |
| | | | 3 | 1710.7 | 131979 | 22.03 | 23 | 0-1 | |
| | | | | 1745 | 132322 | 21.95 | 23 | 0-1 | |
| | | | | 1779.3 | 132665 | 21.63 | 23 | 0-1 | |
| | 6RB | | | 1710.7 | 131979 | 21.04 | 22 | 0-2 | |
| | | | | 1745 | 132322 | 20.95 | 22 | 0-2 | |
| | | | | 1779.3 | 132665 | 20.81 | 22 | 0-2 | |

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| FDD Band 66 | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|-----------------------|-------------------------------------|--------------------------|
| 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 | 131979 | 21.69 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.55 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.44 | 22 | 0-2 |
| | | | 2 | 1710.7 | 131979 | 21.71 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.41 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.45 | 22 | 0-2 |
| | | | 5 | 1710.7 | 131979 | 21.78 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.70 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.44 | 22 | 0-2 |
| | | 3 RB | 0 | 1710.7 | 131979 | 21.64 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.52 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.42 | 22 | 0-2 |
| | | | 2 | 1710.7 | 131979 | 21.62 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.49 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.41 | 22 | 0-2 |
| | | | 3 | 1710.7 | 131979 | 21.67 | 22 | 0-2 |
| | | | | 1745 | 132322 | 21.52 | 22 | 0-2 |
| | | | | 1779.3 | 132665 | 21.29 | 22 | 0-2 |
| | | 6RB | | 1710.7 | 131979 | 20.64 | 21 | 0-3 |
| | | | | 1745 | 132322 | 20.52 | 21 | 0-3 |
| | | | | 1779.3 | 132665 | 20.39 | 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 pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 20 | QPSK | 1 RB | 0 | 2580 | 37850 | 23.13 | 24 | 0 | |
| | | | | 2595 | 38000 | 23.05 | 24 | 0 | |
| | | | | 2610 | 38150 | 23.06 | 24 | 0 | |
| | | | 50 | 2580 | 37850 | 23.00 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.93 | 24 | 0 | |
| | | | | 2610 | 38150 | 23.02 | 24 | 0 | |
| | | | 99 | 2580 | 37850 | 22.97 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.98 | 24 | 0 | |
| | | | | 2610 | 38150 | 22.05 | 24 | 0 | |
| | | 50 RB | 0 | 2580 | 37850 | 22.12 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 22.02 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 22.08 | 23 | 0-1 | |
| | | | 25 | 2580 | 37850 | 22.06 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.97 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 22.07 | 23 | 0-1 | |
| | | | 50 | 2580 | 37850 | 22.01 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 22.00 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 22.07 | 23 | 0-1 | |
| | | 100RB | | | 2580 | 37850 | 22.08 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.99 | 23 | 0-1 |
| | | | | | 2610 | 38150 | 22.10 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2580 | 37850 | 21.99 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.85 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 22.04 | 23 | 0-1 | |
| | | | 50 | 2580 | 37850 | 21.91 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.92 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 21.88 | 23 | 0-1 | |
| | | | 99 | 2580 | 37850 | 21.88 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.84 | 23 | 0-1 | |
| | | | | 2610 | 38150 | 21.99 | 23 | 0-1 | |
| | | 50 RB | 0 | 2580 | 37850 | 20.89 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.92 | 22 | 0-2 | |
| | | | | 2610 | 38150 | 21.04 | 22 | 0-2 | |
| | | | 25 | 2580 | 37850 | 20.95 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.91 | 22 | 0-2 | |
| | | | | 2610 | 38150 | 20.99 | 22 | 0-2 | |
| | | | 50 | 2580 | 37850 | 20.90 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.88 | 22 | 0-2 | |
| | | | | 2610 | 38150 | 21.07 | 22 | 0-2 | |
| | | 100RB | | | 2580 | 37850 | 20.88 | 22 | 0-2 |
| | | | | | 2595 | 38000 | 20.82 | 22 | 0-2 |
| | | | | | 2610 | 38150 | 20.92 | 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 | 20.92 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.83 | 22 | 0-2 |
| | | | | 2610 | 38150 | 20.94 | 22 | 0-2 |
| | | | 50 | 2580 | 37850 | 20.83 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.84 | 22 | 0-2 |
| | | | | 2610 | 38150 | 20.82 | 22 | 0-2 |
| | | | 99 | 2580 | 37850 | 20.76 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.78 | 22 | 0-2 |
| | | | | 2610 | 38150 | 20.88 | 22 | 0-2 |
| | | 50 RB | 0 | 2580 | 37850 | 19.90 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.71 | 21 | 0-3 |
| | | | | 2610 | 38150 | 19.96 | 21 | 0-3 |
| | | | 25 | 2580 | 37850 | 19.84 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.81 | 21 | 0-3 |
| | | | | 2610 | 38150 | 19.77 | 21 | 0-3 |
| | | | 50 | 2580 | 37850 | 19.83 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.76 | 21 | 0-3 |
| | | | | 2610 | 38150 | 19.80 | 21 | 0-3 |
| | | 100RB | | 2580 | 37850 | 19.81 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.76 | 21 | 0-3 |
| | | | | 2610 | 38150 | 19.92 | 21 | 0-3 |

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| TDD Band 38 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 15 | QPSK | 1 RB | 0 | 2577.5 | 37825 | 22.97 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.91 | 24 | 0 | |
| | | | | 2612.5 | 38175 | 23.05 | 24 | 0 | |
| | | | 36 | 2577.5 | 37825 | 22.93 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.73 | 24 | 0 | |
| | | | | 2612.5 | 38175 | 22.95 | 24 | 0 | |
| | | | 74 | 2577.5 | 37825 | 22.91 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.98 | 24 | 0 | |
| | | | | 2612.5 | 38175 | 22.92 | 24 | 0 | |
| | | 36 RB | 0 | 2577.5 | 37825 | 22.01 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.92 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 22.04 | 23 | 0-1 | |
| | | | 18 | 2577.5 | 37825 | 21.98 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.90 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 21.93 | 23 | 0-1 | |
| | | | 37 | 2577.5 | 37825 | 21.96 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.83 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 22.06 | 23 | 0-1 | |
| | | 75RB | | | 2577.5 | 37825 | 22.05 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.95 | 23 | 0-1 |
| | | | | | 2612.5 | 38175 | 21.89 | 23 | 0-1 |
| | 16-QAM | 1 RB | 0 | 2577.5 | 37825 | 21.79 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.80 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 21.86 | 23 | 0-1 | |
| | | | 36 | 2577.5 | 37825 | 21.80 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.82 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 21.80 | 23 | 0-1 | |
| | | | 74 | 2577.5 | 37825 | 21.84 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.66 | 23 | 0-1 | |
| | | | | 2612.5 | 38175 | 21.94 | 23 | 0-1 | |
| | | 36 RB | 0 | 2577.5 | 37825 | 20.77 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.78 | 22 | 0-2 | |
| | | | | 2612.5 | 38175 | 20.96 | 22 | 0-2 | |
| | | | 18 | 2577.5 | 37825 | 20.79 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.72 | 22 | 0-2 | |
| | | | | 2612.5 | 38175 | 20.84 | 22 | 0-2 | |
| | | | 37 | 2577.5 | 37825 | 20.72 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.75 | 22 | 0-2 | |
| | | | | 2612.5 | 38175 | 20.89 | 22 | 0-2 | |
| | | 75RB | | | 2577.5 | 37825 | 20.74 | 22 | 0-2 |
| | | | | | 2595 | 38000 | 20.68 | 22 | 0-2 |
| | | | | | 2612.5 | 38175 | 20.89 | 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 | 20.74 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.77 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 20.87 | 22 | 0-2 |
| | | | 36 | 2577.5 | 37825 | 20.71 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.63 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 20.75 | 22 | 0-2 |
| | | | 74 | 2577.5 | 37825 | 20.58 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.73 | 22 | 0-2 |
| | | | | 2612.5 | 38175 | 20.78 | 22 | 0-2 |
| | | 36 RB | 0 | 2577.5 | 37825 | 19.88 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.69 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 19.77 | 21 | 0-3 |
| | | | 18 | 2577.5 | 37825 | 19.82 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.78 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 19.71 | 21 | 0-3 |
| | | | 37 | 2577.5 | 37825 | 19.78 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.62 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 19.62 | 21 | 0-3 |
| | | 75RB | | 2577.5 | 37825 | 19.78 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.65 | 21 | 0-3 |
| | | | | 2612.5 | 38175 | 19.87 | 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 | 22.76 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.77 | 24 | 0 | |
| | | | | 2615 | 38200 | 22.85 | 24 | 0 | |
| | | | 25 | 2575 | 37800 | 22.76 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.69 | 24 | 0 | |
| | | | | 2615 | 38200 | 22.76 | 24 | 0 | |
| | | | 49 | 2575 | 37800 | 22.87 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.79 | 24 | 0 | |
| | | | | 2615 | 38200 | 22.81 | 24 | 0 | |
| | | 25 RB | 0 | 2575 | 37800 | 21.80 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.79 | 23 | 0-1 | |
| | | | | 2615 | 38200 | 21.94 | 23 | 0-1 | |
| | | | 12 | 2575 | 37800 | 21.83 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.81 | 23 | 0-1 | |
| | | | | 2615 | 38200 | 21.79 | 23 | 0-1 | |
| | | | 25 | 2575 | 37800 | 21.92 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.67 | 23 | 0-1 | |
| | | | | 2615 | 38200 | 21.90 | 23 | 0-1 | |
| | | 50RB | | | 2575 | 37800 | 21.84 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.74 | 23 | 0-1 |
| | | | | | 2615 | 38200 | 21.71 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2575 | 37800 | 21.62 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.74 | 23 | 0-1 |
| | | | | | 2615 | 38200 | 21.75 | 23 | 0-1 |
| | | | | 25 | 2575 | 37800 | 21.74 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.64 | 23 | 0-1 |
| | | | | | 2615 | 38200 | 21.68 | 23 | 0-1 |
| | 49 | | | 2575 | 37800 | 21.78 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.64 | 23 | 0-1 | |
| | | | | 2615 | 38200 | 21.89 | 23 | 0-1 | |
| | 25 RB | | 0 | 2575 | 37800 | 20.75 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.65 | 22 | 0-2 | |
| | | | | 2615 | 38200 | 20.75 | 22 | 0-2 | |
| | | | 12 | 2575 | 37800 | 20.58 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.65 | 22 | 0-2 | |
| | | | | 2615 | 38200 | 20.79 | 22 | 0-2 | |
| | | | 25 | 2575 | 37800 | 20.60 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.56 | 22 | 0-2 | |
| | | | | 2615 | 38200 | 20.68 | 22 | 0-2 | |
| | 50RB | | | 2575 | 37800 | 20.53 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.56 | 22 | 0-2 | |
| | | | | 2615 | 38200 | 20.87 | 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 | 20.64 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.68 | 22 | 0-2 |
| | | | | 2615 | 38200 | 20.77 | 22 | 0-2 |
| | | | 25 | 2575 | 37800 | 20.57 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.51 | 22 | 0-2 |
| | | | | 2615 | 38200 | 20.70 | 22 | 0-2 |
| | | | 49 | 2575 | 37800 | 20.42 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.56 | 22 | 0-2 |
| | | | | 2615 | 38200 | 20.76 | 22 | 0-2 |
| | | 25 RB | 0 | 2575 | 37800 | 19.78 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.52 | 21 | 0-3 |
| | | | | 2615 | 38200 | 19.71 | 21 | 0-3 |
| | | | 12 | 2575 | 37800 | 19.71 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.57 | 21 | 0-3 |
| | | | | 2615 | 38200 | 19.51 | 21 | 0-3 |
| | | | 25 | 2575 | 37800 | 19.57 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.42 | 21 | 0-3 |
| | | | | 2615 | 38200 | 19.41 | 21 | 0-3 |
| | | 50RB | | 2575 | 37800 | 19.66 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.56 | 21 | 0-3 |
| | | | | 2615 | 38200 | 19.84 | 21 | 0-3 |

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| TDD Band 38 | | | | | | | | | |
|-------------|------------|---------|-----------|-----------------|---------|------------------------|-------------------------------------|---------------------------|-----|
| BW(Mhz) | Modulation | RB Size | RB Offset | Frequency (MHz) | Channel | Conducted pow er (dBm) | Target Power + Max. Tolerance (dBm) | MPR Allow ed per 3GPP(dB) | |
| 5 | QPSK | 1 RB | 0 | 2572.5 | 37775 | 22.57 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.56 | 24 | 0 | |
| | | | | 2617.5 | 38225 | 22.73 | 24 | 0 | |
| | | | 12 | 2572.5 | 37775 | 22.65 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.57 | 24 | 0 | |
| | | | | 2617.5 | 38225 | 22.61 | 24 | 0 | |
| | | | 24 | 2572.5 | 37775 | 22.70 | 24 | 0 | |
| | | | | 2595 | 38000 | 22.75 | 24 | 0 | |
| | | | | 2617.5 | 38225 | 22.71 | 24 | 0 | |
| | | 12 RB | 0 | 2572.5 | 37775 | 21.74 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.74 | 23 | 0-1 | |
| | | | | 2617.5 | 38225 | 21.76 | 23 | 0-1 | |
| | | | 6 | 2572.5 | 37775 | 21.65 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.63 | 23 | 0-1 | |
| | | | | 2617.5 | 38225 | 21.65 | 23 | 0-1 | |
| | | | 13 | 2572.5 | 37775 | 21.81 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.49 | 23 | 0-1 | |
| | | | | 2617.5 | 38225 | 21.78 | 23 | 0-1 | |
| | | 25RB | | | 2572.5 | 37775 | 21.78 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.55 | 23 | 0-1 |
| | | | | | 2617.5 | 38225 | 21.61 | 23 | 0-1 |
| | | 16-QAM | 1 RB | 0 | 2572.5 | 37775 | 21.44 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.57 | 23 | 0-1 |
| | | | | | 2617.5 | 38225 | 21.67 | 23 | 0-1 |
| | | | | 12 | 2572.5 | 37775 | 21.54 | 23 | 0-1 |
| | | | | | 2595 | 38000 | 21.43 | 23 | 0-1 |
| | | | | | 2617.5 | 38225 | 21.47 | 23 | 0-1 |
| | 24 | | | 2572.5 | 37775 | 21.71 | 23 | 0-1 | |
| | | | | 2595 | 38000 | 21.56 | 23 | 0-1 | |
| | | | | 2617.5 | 38225 | 21.86 | 23 | 0-1 | |
| | 12 RB | | | 0 | 2572.5 | 37775 | 20.54 | 22 | 0-2 |
| | | | | | 2595 | 38000 | 20.47 | 22 | 0-2 |
| | | | | | 2617.5 | 38225 | 20.73 | 22 | 0-2 |
| | | | | 6 | 2572.5 | 37775 | 20.51 | 22 | 0-2 |
| | | | | | 2595 | 38000 | 20.51 | 22 | 0-2 |
| | | | | | 2617.5 | 38225 | 20.74 | 22 | 0-2 |
| | | | 13 | 2572.5 | 37775 | 20.48 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.53 | 22 | 0-2 | |
| | | | | 2617.5 | 38225 | 20.52 | 22 | 0-2 | |
| | 25RB | | | 2572.5 | 37775 | 20.47 | 22 | 0-2 | |
| | | | | 2595 | 38000 | 20.48 | 22 | 0-2 | |
| | | | | 2617.5 | 38225 | 20.85 | 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 | 20.47 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.62 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 20.58 | 22 | 0-2 |
| | | | 12 | 2572.5 | 37775 | 20.55 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.34 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 20.55 | 22 | 0-2 |
| | | | 24 | 2572.5 | 37775 | 20.28 | 22 | 0-2 |
| | | | | 2595 | 38000 | 20.42 | 22 | 0-2 |
| | | | | 2617.5 | 38225 | 20.60 | 22 | 0-2 |
| | | 12 RB | 0 | 2572.5 | 37775 | 19.61 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.34 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 19.55 | 21 | 0-3 |
| | | | 6 | 2572.5 | 37775 | 19.54 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.48 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 19.37 | 21 | 0-3 |
| | | | 13 | 2572.5 | 37775 | 19.44 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.38 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 19.23 | 21 | 0-3 |
| | | 25RB | | 2572.5 | 37775 | 19.57 | 21 | 0-3 |
| | | | | 2595 | 38000 | 19.40 | 21 | 0-3 |
| | | | | 2617.5 | 38225 | 19.74 | 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 | 24.25 | 25 | 0 |
| | | | | 2549.5 | 40185 | 24.17 | 25 | 0 |
| | | | | 2593 | 40620 | 23.84 | 25 | 0 |
| | | | | 2636.5 | 41055 | 23.90 | 25 | 0 |
| | | | | 2680 | 41490 | 23.94 | 25 | 0 |
| | | | 50 | 2506 | 39750 | 24.16 | 25 | 0 |
| | | | | 2549.5 | 40185 | 24.06 | 25 | 0 |
| | | | | 2593 | 40620 | 23.76 | 25 | 0 |
| | | | | 2636.5 | 41055 | 23.89 | 25 | 0 |
| | | | | 2680 | 41490 | 23.81 | 25 | 0 |
| | | | 99 | 2506 | 39750 | 24.22 | 25 | 0 |
| | | | | 2549.5 | 40185 | 24.13 | 25 | 0 |
| | | | | 2593 | 40620 | 23.88 | 25 | 0 |
| | | | | 2636.5 | 41055 | 23.97 | 25 | 0 |
| | | | | 2680 | 41490 | 23.83 | 25 | 0 |
| | | 50 RB | 0 | 2506 | 39750 | 23.25 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.11 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.84 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.98 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.99 | 24 | 0-1 |
| | | | 25 | 2506 | 39750 | 23.21 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.09 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.81 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.98 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.89 | 24 | 0-1 |
| | | | 50 | 2506 | 39750 | 23.19 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.12 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.83 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 23.01 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.91 | 24 | 0-1 |
| | | 100RB | | 2506 | 39750 | 23.22 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.11 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.84 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.99 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.92 | 24 | 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 | 23.22 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.00 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.67 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.91 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.85 | 24 | 0-1 |
| | | | 50 | 2506 | 39750 | 23.02 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 22.98 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.60 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.92 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.85 | 24 | 0-1 |
| | | | 99 | 2506 | 39750 | 23.11 | 24 | 0-1 |
| | | | | 2549.5 | 40185 | 23.08 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.70 | 24 | 0-1 |
| | | | | 2636.5 | 41055 | 22.92 | 24 | 0-1 |
| | | | | 2680 | 41490 | 22.75 | 24 | 0-1 |
| | | 50 RB | 0 | 2506 | 39750 | 22.20 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.81 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.52 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.85 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.73 | 23 | 0-2 |
| | | | 25 | 2506 | 39750 | 22.00 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.95 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.58 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.89 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.78 | 23 | 0-2 |
| | | | 50 | 2506 | 39750 | 22.04 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.90 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.58 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.84 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.67 | 23 | 0-2 |
| | | 100RB | | 2506 | 39750 | 22.09 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.89 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.50 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.85 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.74 | 23 | 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 | 21.82 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.80 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.56 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.80 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.70 | 23 | 0-2 |
| | | | 50 | 2506 | 39750 | 21.98 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 22.00 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.50 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.85 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.58 | 23 | 0-2 |
| | | | 99 | 2506 | 39750 | 21.99 | 23 | 0-2 |
| | | | | 2549.5 | 40185 | 21.88 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.59 | 23 | 0-2 |
| | | | | 2636.5 | 41055 | 21.73 | 23 | 0-2 |
| | | | | 2680 | 41490 | 21.68 | 23 | 0-2 |
| | | 50 RB | 0 | 2506 | 39750 | 21.50 | 22 | 0-3 |
| | | | | 2549.5 | 40185 | 21.25 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.94 | 22 | 0-3 |
| | | | | 2636.5 | 41055 | 21.20 | 22 | 0-3 |
| | | | | 2680 | 41490 | 21.05 | 22 | 0-3 |
| | | | 25 | 2506 | 39750 | 21.12 | 22 | 0-3 |
| | | | | 2549.5 | 40185 | 21.26 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.99 | 22 | 0-3 |
| | | | | 2636.5 | 41055 | 21.11 | 22 | 0-3 |
| | | | | 2680 | 41490 | 21.00 | 22 | 0-3 |
| | | | 50 | 2506 | 39750 | 21.29 | 22 | 0-3 |
| | | | | 2549.5 | 40185 | 21.33 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.80 | 22 | 0-3 |
| | | | | 2636.5 | 41055 | 21.17 | 22 | 0-3 |
| | | | | 2680 | 41490 | 20.88 | 22 | 0-3 |
| | | 100RB | | 2506 | 39750 | 21.28 | 22 | 0-3 |
| | | | | 2549.5 | 40185 | 21.29 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.92 | 22 | 0-3 |
| | | | | 2636.5 | 41055 | 21.14 | 22 | 0-3 |
| | | | | 2680 | 41490 | 21.16 | 22 | 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 | 24.06 | 25 | 0 |
| | | | | 2548.3 | 40173 | 24.09 | 25 | 0 |
| | | | | 2593 | 40620 | 23.77 | 25 | 0 |
| | | | | 2637.8 | 41068 | 23.80 | 25 | 0 |
| | | | | 2682.5 | 41515 | 23.89 | 25 | 0 |
| | | | 36 | 2503.5 | 39725 | 23.96 | 25 | 0 |
| | | | | 2548.3 | 40173 | 24.04 | 25 | 0 |
| | | | | 2593 | 40620 | 23.56 | 25 | 0 |
| | | | | 2637.8 | 41068 | 23.73 | 25 | 0 |
| | | | | 2682.5 | 41515 | 23.71 | 25 | 0 |
| | | | 74 | 2503.5 | 39725 | 24.02 | 25 | 0 |
| | | | | 2548.3 | 40173 | 23.98 | 25 | 0 |
| | | | | 2593 | 40620 | 23.78 | 25 | 0 |
| | | | | 2637.8 | 41068 | 23.78 | 25 | 0 |
| | | | | 2682.5 | 41515 | 23.66 | 25 | 0 |
| | | 36 RB | 0 | 2503.5 | 39725 | 23.22 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 23.07 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.75 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.85 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.84 | 24 | 0-1 |
| | | | 18 | 2503.5 | 39725 | 23.11 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 23.06 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.72 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.95 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.77 | 24 | 0-1 |
| | | | 37 | 2503.5 | 39725 | 23.11 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 23.06 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.78 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.85 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.80 | 24 | 0-1 |
| | | 75RB | | 2503.5 | 39725 | 23.13 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 22.91 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.72 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.80 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.73 | 24 | 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 | 23.10 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 22.85 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.52 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.71 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.65 | 24 | 0-1 |
| | | | 36 | 2503.5 | 39725 | 22.94 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 22.92 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.50 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.78 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.81 | 24 | 0-1 |
| | | | 74 | 2503.5 | 39725 | 23.01 | 24 | 0-1 |
| | | | | 2548.3 | 40173 | 22.95 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.68 | 24 | 0-1 |
| | | | | 2637.8 | 41068 | 22.72 | 24 | 0-1 |
| | | | | 2682.5 | 41515 | 22.67 | 24 | 0-1 |
| | | 36 RB | 0 | 2503.5 | 39725 | 22.15 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.67 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.35 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.74 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.56 | 23 | 0-2 |
| | | | 18 | 2503.5 | 39725 | 21.92 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.82 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.53 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.75 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.57 | 23 | 0-2 |
| | | | 37 | 2503.5 | 39725 | 21.97 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.88 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.49 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.78 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.54 | 23 | 0-2 |
| | | 75RB | | 2503.5 | 39725 | 22.01 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.83 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.29 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.81 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.72 | 23 | 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 | 21.62 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.60 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.37 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.61 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.61 | 23 | 0-2 |
| | | | 36 | 2503.5 | 39725 | 21.84 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.96 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.35 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.79 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.54 | 23 | 0-2 |
| | | | 74 | 2503.5 | 39725 | 21.78 | 23 | 0-2 |
| | | | | 2548.3 | 40173 | 21.81 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.56 | 23 | 0-2 |
| | | | | 2637.8 | 41068 | 21.65 | 23 | 0-2 |
| | | | | 2682.5 | 41515 | 21.66 | 23 | 0-2 |
| | | 36 RB | 0 | 2503.5 | 39725 | 21.36 | 22 | 0-3 |
| | | | | 2548.3 | 40173 | 21.13 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.73 | 22 | 0-3 |
| | | | | 2637.8 | 41068 | 21.17 | 22 | 0-3 |
| | | | | 2682.5 | 41515 | 20.86 | 22 | 0-3 |
| | | | 18 | 2503.5 | 39725 | 20.92 | 22 | 0-3 |
| | | | | 2548.3 | 40173 | 21.10 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.80 | 22 | 0-3 |
| | | | | 2637.8 | 41068 | 21.04 | 22 | 0-3 |
| | | | | 2682.5 | 41515 | 20.79 | 22 | 0-3 |
| | | | 37 | 2503.5 | 39725 | 21.08 | 22 | 0-3 |
| | | | | 2548.3 | 40173 | 21.18 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.66 | 22 | 0-3 |
| | | | | 2637.8 | 41068 | 21.00 | 22 | 0-3 |
| | | | | 2682.5 | 41515 | 20.81 | 22 | 0-3 |
| | | 75RB | | 2503.5 | 39725 | 21.17 | 22 | 0-3 |
| | | | | 2548.3 | 40173 | 21.26 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.76 | 22 | 0-3 |
| | | | | 2637.8 | 41068 | 21.09 | 22 | 0-3 |
| | | | | 2682.5 | 41515 | 21.09 | 22 | 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 | 23.98 | 25 | 0 |
| | | | | 2547 | 40160 | 24.02 | 25 | 0 |
| | | | | 2593 | 40620 | 23.75 | 25 | 0 |
| | | | | 2639 | 41080 | 23.67 | 25 | 0 |
| | | | | 2685 | 41540 | 23.83 | 25 | 0 |
| | | | 25 | 2501 | 39700 | 23.94 | 25 | 0 |
| | | | | 2547 | 40160 | 23.90 | 25 | 0 |
| | | | | 2593 | 40620 | 23.54 | 25 | 0 |
| | | | | 2639 | 41080 | 23.59 | 25 | 0 |
| | | | | 2685 | 41540 | 23.67 | 25 | 0 |
| | | | 49 | 2501 | 39700 | 23.90 | 25 | 0 |
| | | | | 2547 | 40160 | 23.89 | 25 | 0 |
| | | | | 2593 | 40620 | 23.72 | 25 | 0 |
| | | | | 2639 | 41080 | 23.60 | 25 | 0 |
| | | | | 2685 | 41540 | 23.50 | 25 | 0 |
| | | 25 RB | 0 | 2501 | 39700 | 23.10 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.93 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.66 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.68 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.69 | 24 | 0-1 |
| | | | 12 | 2501 | 39700 | 23.05 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.91 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.51 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.79 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.72 | 24 | 0-1 |
| | | | 25 | 2501 | 39700 | 23.06 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.90 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.59 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.81 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.70 | 24 | 0-1 |
| | | 50RB | | 2501 | 39700 | 23.03 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.87 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.67 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.64 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.61 | 24 | 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 | 22.89 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.73 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.34 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.61 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.53 | 24 | 0-1 |
| | | | 25 | 2501 | 39700 | 22.89 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.71 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.40 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.68 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.68 | 24 | 0-1 |
| | | | 49 | 2501 | 39700 | 22.92 | 24 | 0-1 |
| | | | | 2547 | 40160 | 22.81 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.49 | 24 | 0-1 |
| | | | | 2639 | 41080 | 22.69 | 24 | 0-1 |
| | | | | 2685 | 41540 | 22.63 | 24 | 0-1 |
| | | 25 RB | 0 | 2501 | 39700 | 21.97 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.56 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.25 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.56 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.40 | 23 | 0-2 |
| | | | 12 | 2501 | 39700 | 21.83 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.78 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.34 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.66 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.47 | 23 | 0-2 |
| | | | 25 | 2501 | 39700 | 21.89 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.77 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.36 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.62 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.45 | 23 | 0-2 |
| | | 50RB | | 2501 | 39700 | 21.85 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.73 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.24 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.69 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.61 | 23 | 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 | 21.56 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.53 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.29 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.41 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.41 | 23 | 0-2 |
| | | | 25 | 2501 | 39700 | 21.81 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.79 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.14 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.66 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.42 | 23 | 0-2 |
| | | | 49 | 2501 | 39700 | 21.70 | 23 | 0-2 |
| | | | | 2547 | 40160 | 21.64 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.46 | 23 | 0-2 |
| | | | | 2639 | 41080 | 21.52 | 23 | 0-2 |
| | | | | 2685 | 41540 | 21.53 | 23 | 0-2 |
| | | 25 RB | 0 | 2501 | 39700 | 21.23 | 22 | 0-3 |
| | | | | 2547 | 40160 | 21.05 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.70 | 22 | 0-3 |
| | | | | 2639 | 41080 | 21.12 | 22 | 0-3 |
| | | | | 2685 | 41540 | 20.66 | 22 | 0-3 |
| | | | 12 | 2501 | 39700 | 20.79 | 22 | 0-3 |
| | | | | 2547 | 40160 | 20.92 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.60 | 22 | 0-3 |
| | | | | 2639 | 41080 | 20.93 | 22 | 0-3 |
| | | | | 2685 | 41540 | 20.70 | 22 | 0-3 |
| | | | 25 | 2501 | 39700 | 20.91 | 22 | 0-3 |
| | | | | 2547 | 40160 | 21.00 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.61 | 22 | 0-3 |
| | | | | 2639 | 41080 | 20.93 | 22 | 0-3 |
| | | | | 2685 | 41540 | 20.71 | 22 | 0-3 |
| | | 50RB | | 2501 | 39700 | 21.01 | 22 | 0-3 |
| | | | | 2547 | 40160 | 21.09 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.59 | 22 | 0-3 |
| | | | | 2639 | 41080 | 20.92 | 22 | 0-3 |
| | | | | 2685 | 41540 | 21.01 | 22 | 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 | 23.89 | 25 | 0 |
| | | | | 2547.8 | 40148 | 23.93 | 25 | 0 |
| | | | | 2593 | 40620 | 23.65 | 25 | 0 |
| | | | | 2640.3 | 41093 | 23.62 | 25 | 0 |
| | | | | 2687.5 | 41565 | 23.69 | 25 | 0 |
| | | | 12 | 2498.5 | 39675 | 23.86 | 25 | 0 |
| | | | | 2547.8 | 40148 | 23.72 | 25 | 0 |
| | | | | 2593 | 40620 | 23.49 | 25 | 0 |
| | | | | 2640.3 | 41093 | 23.54 | 25 | 0 |
| | | | | 2687.5 | 41565 | 23.46 | 25 | 0 |
| | | | 24 | 2498.5 | 39675 | 23.87 | 25 | 0 |
| | | | | 2547.8 | 40148 | 23.77 | 25 | 0 |
| | | | | 2593 | 40620 | 23.66 | 25 | 0 |
| | | | | 2640.3 | 41093 | 23.45 | 25 | 0 |
| | | | | 2687.5 | 41565 | 23.39 | 25 | 0 |
| | | 12 RB | 0 | 2498.5 | 39675 | 23.05 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.87 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.45 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.58 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.50 | 24 | 0-1 |
| | | | 6 | 2498.5 | 39675 | 22.96 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.80 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.33 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.60 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.69 | 24 | 0-1 |
| | | | 13 | 2498.5 | 39675 | 23.01 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.70 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.53 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.65 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.65 | 24 | 0-1 |
| | | 25RB | | 2498.5 | 39675 | 22.92 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.84 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.55 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.60 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.44 | 24 | 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 | 22.78 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.61 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.30 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.44 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.39 | 24 | 0-1 |
| | | | 12 | 2498.5 | 39675 | 22.79 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.64 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.37 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.47 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.47 | 24 | 0-1 |
| | | | 24 | 2498.5 | 39675 | 22.88 | 24 | 0-1 |
| | | | | 2547.8 | 40148 | 22.62 | 24 | 0-1 |
| | | | | 2593 | 40620 | 22.36 | 24 | 0-1 |
| | | | | 2640.3 | 41093 | 22.53 | 24 | 0-1 |
| | | | | 2687.5 | 41565 | 22.54 | 24 | 0-1 |
| | | 12 RB | 0 | 2498.5 | 39675 | 21.81 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.45 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.23 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.51 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.20 | 23 | 0-2 |
| | | | 6 | 2498.5 | 39675 | 21.67 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.74 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.26 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.62 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.28 | 23 | 0-2 |
| | | | 13 | 2498.5 | 39675 | 21.72 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.73 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.23 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.54 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.40 | 23 | 0-2 |
| | | 25RB | | 2498.5 | 39675 | 21.71 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.58 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.09 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.55 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.41 | 23 | 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 | 21.37 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.47 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.19 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.24 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.24 | 23 | 0-2 |
| | | | 12 | 2498.5 | 39675 | 21.74 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.60 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.04 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.48 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.22 | 23 | 0-2 |
| | | | 24 | 2498.5 | 39675 | 21.52 | 23 | 0-2 |
| | | | | 2547.8 | 40148 | 21.56 | 23 | 0-2 |
| | | | | 2593 | 40620 | 21.26 | 23 | 0-2 |
| | | | | 2640.3 | 41093 | 21.44 | 23 | 0-2 |
| | | | | 2687.5 | 41565 | 21.49 | 23 | 0-2 |
| | | 12 RB | 0 | 2498.5 | 39675 | 21.11 | 22 | 0-3 |
| | | | | 2547.8 | 40148 | 20.87 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.65 | 22 | 0-3 |
| | | | | 2640.3 | 41093 | 20.95 | 22 | 0-3 |
| | | | | 2687.5 | 41565 | 20.56 | 22 | 0-3 |
| | | | 6 | 2498.5 | 39675 | 20.75 | 22 | 0-3 |
| | | | | 2547.8 | 40148 | 20.84 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.48 | 22 | 0-3 |
| | | | | 2640.3 | 41093 | 20.84 | 22 | 0-3 |
| | | | | 2687.5 | 41565 | 20.55 | 22 | 0-3 |
| | | | 13 | 2498.5 | 39675 | 20.88 | 22 | 0-3 |
| | | | | 2547.8 | 40148 | 20.97 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.51 | 22 | 0-3 |
| | | | | 2640.3 | 41093 | 20.85 | 22 | 0-3 |
| | | | | 2687.5 | 41565 | 20.60 | 22 | 0-3 |
| | | 25RB | | 2498.5 | 39675 | 20.92 | 22 | 0-3 |
| | | | | 2547.8 | 40148 | 21.00 | 22 | 0-3 |
| | | | | 2593 | 40620 | 20.40 | 22 | 0-3 |
| | | | | 2640.3 | 41093 | 20.90 | 22 | 0-3 |
| | | | | 2687.5 | 41565 | 20.94 | 22 | 0-3 |

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WLAN802.11 a/b/g/n(20M/40M)/ac/ax(20M/40M/80M/160M) conducted power table:

| Band \ Antenna | SISO | | MIMO |
|-----------------------|------|-----|-----------|
| | Tx1 | Tx2 | Tx1 + Tx2 |
| WLAN802.11b | V | V | - |
| WLAN802.11g | V | V | - |
| WLAN802.11n(20M) | V | V | V |
| WLAN802.11n(40M) | V | V | V |
| WLAN802.11ax(20M) | V | V | V |
| WLAN802.11ax(40M) | V | V | V |
| WLAN802.11a | V | V | - |
| WLAN802.11n(20M) 5G | V | V | V |
| WLAN802.11n(40M) 5G | V | V | V |
| WLAN802.11ac(20M) 5G | V | V | V |
| WLAN802.11ac(40M) 5G | V | V | V |
| WLAN802.11ac(80M) 5G | V | V | V |
| WLAN802.11ac(160M) 5G | V | V | V |
| WLAN802.11ax(20M) 5G | V | V | V |
| WLAN802.11ax(40M) 5G | V | V | V |
| WLAN802.11ax(80M) 5G | V | V | V |
| WLAN802.11ax(160M) 5G | V | V | V |

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Tablet mode

SISO power

| Tx1 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 | 19.50 | 19.42 |
| | | 2 | 2417 | | 20.00 | 19.98 |
| | | 6 | 2437 | | 20.00 | 19.94 |
| | | 10 | 2457 | | 20.00 | 19.96 |
| | | 11 | 2462 | | 18.25 | 18.18 |
| | | 12 | 2467 | | 17.50 | 17.44 |
| | | 13 | 2472 | | 15.25 | 15.12 |
| | 802.11g | 1 | 2412 | 6Mbps | 18.00 | 17.92 |
| | | 2 | 2417 | | 20.00 | 19.96 |
| | | 6 | 2437 | | 20.00 | 19.99 |
| | | 10 | 2457 | | 20.00 | 19.92 |
| | | 11 | 2462 | | 15.50 | 15.41 |
| | | 12 | 2467 | | 13.50 | 13.37 |
| | | 13 | 2472 | | 10.75 | 10.65 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 18.00 | 17.95 |
| | | 2 | 2417 | | 20.00 | 19.93 |
| | | 6 | 2437 | | 20.00 | 19.91 |
| | | 10 | 2457 | | 20.00 | 19.88 |
| | | 11 | 2462 | | 15.50 | 15.37 |
| | | 12 | 2467 | | 13.50 | 13.42 |
| | | 13 | 2472 | | 10.75 | 10.63 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 18.00 | 17.92 |
| | | 2 | 2417 | | 20.00 | 19.95 |
| | | 6 | 2437 | | 20.00 | 19.95 |
| | | 10 | 2457 | | 20.00 | 19.94 |
| | | 11 | 2462 | | 15.50 | 15.38 |
| | | 12 | 2467 | | 13.50 | 13.44 |
| | | 13 | 2472 | | 10.75 | 10.62 |

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| Tx1 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n40-HT0 | 3 | 2422 | MCS0 | 17.00 | 16.89 |
| | | 4 | 2427 | | 17.50 | 17.39 |
| | | 6 | 2437 | | 17.50 | 17.39 |
| | | 8 | 2447 | | 14.50 | 14.41 |
| | | 9 | 2452 | | 14.00 | 13.92 |
| | | 10 | 2457 | | 11.50 | 11.46 |
| | | 11 | 2462 | | 11.50 | 11.39 |
| | 802.11ax40-HE0 | 3 | 2422 | MCS0 | 17.00 | 16.89 |
| | | 4 | 2427 | | 17.50 | 17.37 |
| | | 6 | 2437 | | 17.50 | 17.44 |
| | | 8 | 2447 | | 14.50 | 14.42 |
| | | 9 | 2452 | | 14.00 | 13.88 |
| | | 10 | 2457 | | 11.50 | 11.37 |
| | | 11 | 2462 | | 11.50 | 11.44 |

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| Tx1 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 | 15.00 | 14.96 |
| | | 40 | 5200 | | 15.00 | 14.91 |
| | | 44 | 5220 | | 15.00 | 14.87 |
| | | 48 | 5240 | | 15.00 | 14.90 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 15.00 | 14.87 |
| | | 40 | 5200 | | 15.00 | 14.91 |
| | | 44 | 5220 | | 15.00 | 14.90 |
| | | 48 | 5240 | | 15.00 | 14.92 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 15.00 | 14.92 |
| | | 40 | 5200 | | 15.00 | 14.92 |
| | | 44 | 5220 | | 15.00 | 14.93 |
| | | 48 | 5240 | | 15.00 | 14.95 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 15.00 | 14.90 |
| | | 40 | 5200 | | 15.00 | 14.91 |
| | | 44 | 5220 | | 15.00 | 14.93 |
| | | 48 | 5240 | | 15.00 | 14.90 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 15.00 | 14.97 |
| | | 46 | 5230 | | 15.00 | 14.99 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 15.00 | 14.91 |
| | | 46 | 5230 | | 15.00 | 14.94 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 15.00 | 14.95 |
| | | 46 | 5230 | | 15.00 | 14.96 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 15.00 | 14.97 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 15.00 | 14.96 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 14.50 | 14.43 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 14.50 | 14.41 |

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| Tx1 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 | 15.00 | 14.87 |
| | | 56 | 5280 | | 15.00 | 14.96 |
| | | 60 | 5300 | | 15.00 | 14.88 |
| | | 64 | 5320 | | 15.00 | 14.89 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 15.00 | 14.95 |
| | | 56 | 5280 | | 15.00 | 14.90 |
| | | 60 | 5300 | | 15.00 | 14.90 |
| | | 64 | 5320 | | 15.00 | 14.94 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 15.00 | 14.95 |
| | | 56 | 5280 | | 15.00 | 14.88 |
| | | 60 | 5300 | | 15.00 | 14.91 |
| | | 64 | 5320 | | 15.00 | 14.91 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 15.00 | 14.91 |
| | | 56 | 5280 | | 15.00 | 14.92 |
| | | 60 | 5300 | | 15.00 | 14.93 |
| | | 64 | 5320 | | 15.00 | 14.95 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 15.00 | 14.99 |
| | | 62 | 5310 | | 15.00 | 14.96 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 15.00 | 14.93 |
| | | 62 | 5310 | | 15.00 | 14.94 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 15.00 | 14.92 |
| | | 62 | 5310 | | 15.00 | 14.94 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 15.00 | 14.95 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 15.00 | 14.90 |

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| Tx1 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 | 13.50 | 13.41 |
| | | 120 | 5600 | | 13.50 | 13.38 |
| | | 140 | 5700 | | 13.50 | 13.44 |
| | | 144 | 5720 | | 13.50 | 13.46 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 13.50 | 13.44 |
| | | 120 | 5600 | | 13.50 | 13.42 |
| | | 140 | 5700 | | 13.50 | 13.39 |
| | | 144 | 5720 | | 13.50 | 13.37 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 13.50 | 13.38 |
| | | 120 | 5600 | | 13.50 | 13.37 |
| | | 140 | 5700 | | 13.50 | 13.43 |
| | | 144 | 5720 | | 13.50 | 13.43 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 13.50 | 13.40 |
| | | 120 | 5600 | | 13.50 | 13.40 |
| | | 140 | 5700 | | 13.50 | 13.46 |
| | | 144 | 5720 | | 13.50 | 13.44 |

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| Tx1 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n40-HT0 | 102 | 5510 | MCS0 | 13.50 | 13.39 |
| | | 118 | 5590 | | 13.50 | 13.44 |
| | | 134 | 5670 | | 13.50 | 13.46 |
| | | 142 | 5710 | | 13.50 | 13.45 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 13.50 | 13.40 |
| | | 118 | 5590 | | 13.50 | 13.41 |
| | | 134 | 5670 | | 13.50 | 13.46 |
| | | 142 | 5710 | | 13.50 | 13.44 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 13.50 | 13.46 |
| | | 118 | 5590 | | 13.50 | 13.46 |
| | | 134 | 5670 | | 13.50 | 13.45 |
| | | 142 | 5710 | | 13.50 | 13.38 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 13.50 | 13.42 |
| | | 122 | 5610 | | 13.50 | 13.47 |
| | | 138 | 5690 | | 13.50 | 13.41 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 13.50 | 13.38 |
| | | 122 | 5610 | | 13.50 | 13.42 |
| | | 138 | 5690 | | 13.50 | 13.45 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 13.50 | 13.48 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 13.50 | 13.46 |

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| Tx1 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 13.00 | 12.87 |
| | | 157 | 5785 | | 13.00 | 12.93 |
| | | 165 | 5825 | | 13.00 | 12.89 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 13.00 | 12.88 |
| | | 157 | 5785 | | 13.00 | 12.88 |
| | | 165 | 5825 | | 13.00 | 12.92 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 13.00 | 12.88 |
| | | 157 | 5785 | | 13.00 | 12.92 |
| | | 165 | 5825 | | 13.00 | 12.90 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 13.00 | 12.91 |
| | | 157 | 5785 | | 13.00 | 12.95 |
| | | 165 | 5825 | | 13.00 | 12.93 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 13.00 | 12.93 |
| | | 159 | 5795 | | 13.00 | 12.98 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 13.00 | 12.88 |
| | | 159 | 5795 | | 13.00 | 12.94 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 13.00 | 12.87 |
| | | 159 | 5795 | | 13.00 | 12.89 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 13.00 | 12.96 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 13.00 | 12.91 |

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| Tx2 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 | 18.00 | 17.99 |
| | | 2 | 2417 | | 18.00 | 17.94 |
| | | 6 | 2437 | | 18.00 | 17.96 |
| | | 10 | 2457 | | 18.00 | 17.90 |
| | | 11 | 2462 | | 18.00 | 17.98 |
| | | 12 | 2467 | | 16.50 | 16.38 |
| | | 13 | 2472 | | 15.25 | 15.20 |
| | 802.11g | 1 | 2412 | 6Mbps | 17.00 | 16.92 |
| | | 2 | 2417 | | 18.00 | 17.98 |
| | | 6 | 2437 | | 18.00 | 17.99 |
| | | 10 | 2457 | | 18.00 | 17.96 |
| | | 11 | 2462 | | 15.50 | 15.45 |
| | | 12 | 2467 | | 13.50 | 13.40 |
| | | 13 | 2472 | | 10.75 | 10.70 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 17.00 | 16.91 |
| | | 2 | 2417 | | 18.00 | 17.91 |
| | | 6 | 2437 | | 18.00 | 17.93 |
| | | 10 | 2457 | | 18.00 | 17.87 |
| | | 11 | 2462 | | 15.50 | 15.37 |
| | | 12 | 2467 | | 13.50 | 13.42 |
| | | 13 | 2472 | | 10.75 | 10.69 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 17.00 | 16.96 |
| | | 2 | 2417 | | 18.00 | 17.95 |
| | | 6 | 2437 | | 18.00 | 17.90 |
| | | 10 | 2457 | | 18.00 | 17.95 |
| | | 11 | 2462 | | 15.50 | 15.44 |
| | | 12 | 2467 | | 13.50 | 13.38 |
| | | 13 | 2472 | | 10.75 | 10.62 |

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| Tx2 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n40-HT0 | 3 | 2422 | MCS0 | 17.00 | 16.90 |
| | | 4 | 2427 | | 17.50 | 17.40 |
| | | 6 | 2437 | | 17.50 | 17.39 |
| | | 8 | 2447 | | 14.50 | 14.41 |
| | | 9 | 2452 | | 13.75 | 13.65 |
| | | 10 | 2457 | | 11.50 | 11.39 |
| | | 11 | 2462 | | 11.50 | 11.39 |
| | 802.11ax40-HE0 | 3 | 2422 | MCS0 | 17.00 | 16.93 |
| | | 4 | 2427 | | 17.50 | 17.39 |
| | | 6 | 2437 | | 17.50 | 17.37 |
| | | 8 | 2447 | | 14.50 | 14.43 |
| | | 9 | 2452 | | 13.75 | 13.64 |
| | | 10 | 2457 | | 11.50 | 11.43 |
| | | 11 | 2462 | | 11.50 | 11.45 |

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| Tx2 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 | 14.00 | 13.90 |
| | | 40 | 5200 | | 14.00 | 13.89 |
| | | 44 | 5220 | | 14.00 | 13.89 |
| | | 48 | 5240 | | 14.00 | 13.95 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 14.00 | 13.92 |
| | | 40 | 5200 | | 14.00 | 13.95 |
| | | 44 | 5220 | | 14.00 | 13.94 |
| | | 48 | 5240 | | 14.00 | 13.89 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 14.00 | 13.88 |
| | | 40 | 5200 | | 14.00 | 13.87 |
| | | 44 | 5220 | | 14.00 | 13.92 |
| | | 48 | 5240 | | 14.00 | 13.92 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 14.00 | 13.91 |
| | | 40 | 5200 | | 14.00 | 13.96 |
| | | 44 | 5220 | | 14.00 | 13.91 |
| | | 48 | 5240 | | 14.00 | 13.96 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 14.00 | 13.96 |
| | | 46 | 5230 | | 14.00 | 13.95 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 14.00 | 13.90 |
| | | 46 | 5230 | | 14.00 | 13.96 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 14.00 | 13.94 |
| | | 46 | 5230 | | 14.00 | 13.94 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 14.00 | 13.98 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 14.00 | 13.90 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 13.50 | 13.45 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 13.50 | 13.43 |

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| Tx2 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 | 13.50 | 13.45 |
| | | 56 | 5280 | | 13.50 | 13.42 |
| | | 60 | 5300 | | 13.50 | 13.45 |
| | | 64 | 5320 | | 13.50 | 13.43 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 13.50 | 13.38 |
| | | 56 | 5280 | | 13.50 | 13.37 |
| | | 60 | 5300 | | 13.50 | 13.38 |
| | | 64 | 5320 | | 13.50 | 13.43 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 13.50 | 13.39 |
| | | 56 | 5280 | | 13.50 | 13.43 |
| | | 60 | 5300 | | 13.50 | 13.37 |
| | | 64 | 5320 | | 13.50 | 13.44 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 13.50 | 13.41 |
| | | 56 | 5280 | | 13.50 | 13.43 |
| | | 60 | 5300 | | 13.50 | 13.37 |
| | | 64 | 5320 | | 13.50 | 13.44 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 13.50 | 13.48 |
| | | 62 | 5310 | | 13.50 | 13.42 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 13.50 | 13.38 |
| | | 62 | 5310 | | 13.50 | 13.43 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 13.50 | 13.41 |
| | | 62 | 5310 | | 13.50 | 13.38 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 13.50 | 13.44 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 13.50 | 13.41 |

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| Tx2 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 | 13.50 | 13.43 |
| | | 120 | 5600 | | 13.50 | 13.37 |
| | | 140 | 5700 | | 13.50 | 13.43 |
| | | 144 | 5720 | | 13.50 | 13.38 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 13.50 | 13.41 |
| | | 120 | 5600 | | 13.50 | 13.39 |
| | | 140 | 5700 | | 13.50 | 13.46 |
| | | 144 | 5720 | | 13.50 | 13.40 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 13.50 | 13.40 |
| | | 120 | 5600 | | 13.50 | 13.39 |
| | | 140 | 5700 | | 13.50 | 13.39 |
| | | 144 | 5720 | | 13.50 | 13.40 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 13.50 | 13.41 |
| | | 120 | 5600 | | 13.50 | 13.38 |
| | | 140 | 5700 | | 13.50 | 13.37 |
| | | 144 | 5720 | | 13.50 | 13.44 |

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| Tx2 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n40-HT0 | 102 | 5510 | MCS0 | 13.50 | 13.42 |
| | | 118 | 5590 | | 13.50 | 13.42 |
| | | 134 | 5670 | | 13.50 | 13.38 |
| | | 142 | 5710 | | 13.50 | 13.44 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 13.50 | 13.39 |
| | | 118 | 5590 | | 13.50 | 13.42 |
| | | 134 | 5670 | | 13.50 | 13.46 |
| | | 142 | 5710 | | 13.50 | 13.45 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 13.50 | 13.42 |
| | | 118 | 5590 | | 13.50 | 13.37 |
| | | 134 | 5670 | | 13.50 | 13.40 |
| | | 142 | 5710 | | 13.50 | 13.37 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 13.50 | 13.42 |
| | | 122 | 5610 | | 13.50 | 13.49 |
| | | 138 | 5690 | | 13.50 | 13.46 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 13.50 | 13.46 |
| | | 122 | 5610 | | 13.50 | 13.40 |
| | | 138 | 5690 | | 13.50 | 13.42 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 13.50 | 13.48 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 13.50 | 13.45 |

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| Tx2 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 15.50 | 15.40 |
| | | 157 | 5785 | | 15.50 | 15.44 |
| | | 165 | 5825 | | 15.50 | 15.41 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 15.50 | 15.37 |
| | | 157 | 5785 | | 15.50 | 15.42 |
| | | 165 | 5825 | | 15.50 | 15.42 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 15.50 | 15.39 |
| | | 157 | 5785 | | 15.50 | 15.40 |
| | | 165 | 5825 | | 15.50 | 15.42 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 15.50 | 15.46 |
| | | 157 | 5785 | | 15.50 | 15.40 |
| | | 165 | 5825 | | 15.50 | 15.40 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 15.50 | 15.48 |
| | | 159 | 5795 | | 15.50 | 15.45 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 15.50 | 15.41 |
| | | 159 | 5795 | | 15.50 | 15.45 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 15.50 | 15.41 |
| | | 159 | 5795 | | 15.50 | 15.42 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 15.50 | 15.49 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 15.50 | 15.43 |

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MIMO power

| Tx1 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n20-HT0 | 1 | 2412 | MCS0 | 13.25 | 13.11 |
| | | 2 | 2417 | | 14.50 | 14.48 |
| | | 6 | 2437 | | 14.50 | 14.49 |
| | | 10 | 2457 | | 14.50 | 14.41 |
| | | 11 | 2462 | | 11.50 | 11.41 |
| | | 12 | 2467 | | 10.00 | 9.97 |
| | | 13 | 2472 | | 4.75 | 4.62 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 13.25 | 13.05 |
| | | 2 | 2417 | | 14.50 | 14.34 |
| | | 6 | 2437 | | 14.50 | 14.38 |
| | | 10 | 2457 | | 14.50 | 14.34 |
| | | 11 | 2462 | | 11.50 | 11.35 |
| | | 12 | 2467 | | 10.00 | 9.96 |
| | | 13 | 2472 | | 4.75 | 4.58 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 13.25 | 13.21 |
| | | 6 | 2437 | | 13.50 | 13.45 |
| | | 8 | 2447 | | 10.50 | 10.48 |
| | | 9 | 2452 | | 10.25 | 10.17 |
| | | 10 | 2457 | | 7.50 | 7.31 |
| | | 11 | 2462 | | 5.50 | 5.33 |
| | 802.11n40-HE0 | 3 | 2422 | MCS0 | 13.25 | 13.18 |
| | | 6 | 2437 | | 13.50 | 13.42 |
| | | 8 | 2447 | | 10.50 | 10.46 |
| | | 9 | 2452 | | 10.25 | 10.13 |
| | | 10 | 2457 | | 7.50 | 7.47 |
| | | 11 | 2462 | | 5.50 | 5.36 |

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| Tx1 antenna | | | | | | |
|---------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11n20-HT0 | 36 | 5180 | MCS0 | 11.00 | 10.90 |
| | | 40 | 5200 | | 11.00 | 10.92 |
| | | 44 | 5220 | | 11.00 | 10.79 |
| | | 48 | 5240 | | 11.00 | 10.79 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 11.00 | 10.87 |
| | | 40 | 5200 | | 11.00 | 10.79 |
| | | 44 | 5220 | | 11.00 | 10.84 |
| | | 48 | 5240 | | 11.00 | 10.81 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 11.00 | 10.94 |
| | | 40 | 5200 | | 11.00 | 10.85 |
| | | 44 | 5220 | | 11.00 | 10.93 |
| | | 48 | 5240 | | 11.00 | 10.84 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 11.00 | 10.92 |
| | | 46 | 5230 | | 11.00 | 10.80 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 11.00 | 10.94 |
| | | 46 | 5230 | | 11.00 | 10.90 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 11.00 | 10.81 |
| | | 46 | 5230 | | 11.00 | 10.93 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 11.00 | 10.96 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 11.00 | 10.91 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 10.00 | 9.91 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 10.00 | 9.84 |

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| Tx1 antenna | | | | | | |
|---------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11n20-HT0 | 52 | 5260 | MCS0 | 10.50 | 10.30 |
| | | 56 | 5280 | | 10.50 | 10.33 |
| | | 60 | 5300 | | 10.50 | 10.38 |
| | | 64 | 5320 | | 10.50 | 10.42 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 10.50 | 10.30 |
| | | 56 | 5280 | | 10.50 | 10.40 |
| | | 60 | 5300 | | 10.50 | 10.34 |
| | | 64 | 5320 | | 10.50 | 10.29 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 10.50 | 10.43 |
| | | 56 | 5280 | | 10.50 | 10.45 |
| | | 60 | 5300 | | 10.50 | 10.32 |
| | | 64 | 5320 | | 10.50 | 10.36 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 10.50 | 10.41 |
| | | 62 | 5310 | | 10.50 | 10.44 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 10.50 | 10.30 |
| | | 62 | 5310 | | 10.50 | 10.37 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 10.50 | 10.30 |
| | | 62 | 5310 | | 10.50 | 10.38 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 10.50 | 10.47 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 10.50 | 10.33 |

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| Tx1 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n20-HT0 | 100 | 5500 | MCS0 | 10.50 | 10.25 |
| | | 120 | 5600 | | 10.50 | 10.28 |
| | | 140 | 5700 | | 10.50 | 10.30 |
| | | 144 | 5720 | | 10.50 | 10.30 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 10.50 | 10.36 |
| | | 120 | 5600 | | 10.50 | 10.38 |
| | | 140 | 5700 | | 10.50 | 10.38 |
| | | 144 | 5720 | | 10.50 | 10.31 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 10.50 | 10.31 |
| | | 120 | 5600 | | 10.50 | 10.41 |
| | | 140 | 5700 | | 10.50 | 10.31 |
| | | 144 | 5720 | | 10.50 | 10.31 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 10.50 | 10.31 |
| | | 118 | 5590 | | 10.50 | 10.38 |
| | | 134 | 5670 | | 10.50 | 10.23 |
| | | 142 | 5710 | | 10.50 | 10.37 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 10.50 | 10.40 |
| | | 118 | 5590 | | 10.50 | 10.25 |
| | | 134 | 5670 | | 10.50 | 10.34 |
| | | 142 | 5710 | | 10.50 | 10.33 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 10.50 | 10.41 |
| | | 118 | 5590 | | 10.50 | 10.31 |
| | | 134 | 5670 | | 10.50 | 10.26 |
| | | 142 | 5710 | | 10.50 | 10.30 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 10.50 | 10.23 |
| | | 122 | 5610 | | 10.50 | 10.32 |
| | | 138 | 5690 | | 10.50 | 10.37 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 10.50 | 10.39 |
| | | 122 | 5610 | | 10.50 | 10.36 |
| | | 138 | 5690 | | 10.50 | 10.26 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 10.50 | 10.48 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 10.50 | 10.37 |

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| Tx1 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11n20-HT0 | 149 | 5745 | MCS0 | 10.00 | 9.82 |
| | | 157 | 5785 | | 10.00 | 9.86 |
| | | 165 | 5825 | | 10.00 | 9.85 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 10.00 | 9.85 |
| | | 157 | 5785 | | 10.00 | 9.79 |
| | | 165 | 5825 | | 10.00 | 9.79 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 10.00 | 9.91 |
| | | 157 | 5785 | | 10.00 | 9.78 |
| | | 165 | 5825 | | 10.00 | 9.77 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 10.00 | 9.82 |
| | | 159 | 5795 | | 10.00 | 9.80 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 10.00 | 9.85 |
| | | 159 | 5795 | | 10.00 | 9.86 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 10.00 | 9.84 |
| | | 159 | 5795 | | 10.00 | 9.84 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 10.00 | 9.98 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 10.00 | 9.76 |

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| Tx2 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n20-HT0 | 1 | 2412 | MCS0 | 13.25 | 13.08 |
| | | 2 | 2417 | | 14.50 | 14.47 |
| | | 6 | 2437 | | 14.50 | 14.44 |
| | | 10 | 2457 | | 14.50 | 14.49 |
| | | 11 | 2462 | | 11.50 | 11.25 |
| | | 12 | 2467 | | 10.00 | 9.82 |
| | | 13 | 2472 | | 4.75 | 4.63 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 13.25 | 13.07 |
| | | 2 | 2417 | | 14.50 | 14.29 |
| | | 6 | 2437 | | 14.50 | 14.26 |
| | | 10 | 2457 | | 14.50 | 14.37 |
| | | 11 | 2462 | | 11.50 | 11.40 |
| | | 12 | 2467 | | 10.00 | 9.91 |
| | | 13 | 2472 | | 4.75 | 4.62 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 13.25 | 13.01 |
| | | 6 | 2437 | | 13.50 | 13.31 |
| | | 8 | 2447 | | 10.50 | 10.25 |
| | | 9 | 2452 | | 10.25 | 10.17 |
| | | 10 | 2457 | | 7.50 | 7.25 |
| | | 11 | 2462 | | 5.50 | 5.27 |
| | 802.11n40-HE0 | 3 | 2422 | MCS0 | 13.25 | 13.06 |
| | | 6 | 2437 | | 13.50 | 13.34 |
| | | 8 | 2447 | | 10.50 | 10.25 |
| | | 9 | 2452 | | 10.25 | 10.04 |
| | | 10 | 2457 | | 7.50 | 7.32 |
| | | 11 | 2462 | | 5.50 | 5.27 |

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| Tx2 antenna | | | | | | |
|---------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11n20-HT0 | 36 | 5180 | MCS0 | 11.00 | 10.91 |
| | | 40 | 5200 | | 11.00 | 10.76 |
| | | 44 | 5220 | | 11.00 | 10.91 |
| | | 48 | 5240 | | 11.00 | 10.75 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 11.00 | 10.74 |
| | | 40 | 5200 | | 11.00 | 10.75 |
| | | 44 | 5220 | | 11.00 | 10.87 |
| | | 48 | 5240 | | 11.00 | 10.91 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 11.00 | 10.85 |
| | | 40 | 5200 | | 11.00 | 10.84 |
| | | 44 | 5220 | | 11.00 | 10.91 |
| | | 48 | 5240 | | 11.00 | 10.90 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 11.00 | 10.83 |
| | | 46 | 5230 | | 11.00 | 10.87 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 11.00 | 10.88 |
| | | 46 | 5230 | | 11.00 | 10.75 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 11.00 | 10.74 |
| | | 46 | 5230 | | 11.00 | 10.78 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 11.00 | 10.97 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 11.00 | 10.85 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 10.00 | 9.87 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 10.00 | 9.74 |

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| Tx2 antenna | | | | | | |
|---------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11n20-HT0 | 52 | 5260 | MCS0 | 10.50 | 10.32 |
| | | 56 | 5280 | | 10.50 | 10.24 |
| | | 60 | 5300 | | 10.50 | 10.39 |
| | | 64 | 5320 | | 10.50 | 10.26 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 10.50 | 10.28 |
| | | 56 | 5280 | | 10.50 | 10.28 |
| | | 60 | 5300 | | 10.50 | 10.36 |
| | | 64 | 5320 | | 10.50 | 10.24 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 10.50 | 10.23 |
| | | 56 | 5280 | | 10.50 | 10.31 |
| | | 60 | 5300 | | 10.50 | 10.42 |
| | | 64 | 5320 | | 10.50 | 10.37 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 10.50 | 10.24 |
| | | 62 | 5310 | | 10.50 | 10.25 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 10.50 | 10.23 |
| | | 62 | 5310 | | 10.50 | 10.35 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 10.50 | 10.34 |
| | | 62 | 5310 | | 10.50 | 10.39 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 10.50 | 10.48 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 10.50 | 10.40 |

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| Tx2 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n20-HT0 | 100 | 5500 | MCS0 | 10.50 | 10.36 |
| | | 120 | 5600 | | 10.50 | 10.37 |
| | | 140 | 5700 | | 10.50 | 10.35 |
| | | 144 | 5720 | | 10.50 | 10.29 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 10.50 | 10.36 |
| | | 120 | 5600 | | 10.50 | 10.35 |
| | | 140 | 5700 | | 10.50 | 10.31 |
| | | 144 | 5720 | | 10.50 | 10.23 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 10.50 | 10.25 |
| | | 120 | 5600 | | 10.50 | 10.34 |
| | | 140 | 5700 | | 10.50 | 10.30 |
| | | 144 | 5720 | | 10.50 | 10.38 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 10.50 | 10.27 |
| | | 118 | 5590 | | 10.50 | 10.25 |
| | | 134 | 5670 | | 10.50 | 10.38 |
| | | 142 | 5710 | | 10.50 | 10.29 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 10.50 | 10.25 |
| | | 118 | 5590 | | 10.50 | 10.34 |
| | | 134 | 5670 | | 10.50 | 10.39 |
| | | 142 | 5710 | | 10.50 | 10.33 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 10.50 | 10.39 |
| | | 118 | 5590 | | 10.50 | 10.30 |
| | | 134 | 5670 | | 10.50 | 10.23 |
| | | 142 | 5710 | | 10.50 | 10.36 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 10.50 | 10.36 |
| | | 122 | 5610 | | 10.50 | 10.40 |
| | | 138 | 5690 | | 10.50 | 10.31 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 10.50 | 10.36 |
| | | 122 | 5610 | | 10.50 | 10.26 |
| | | 138 | 5690 | | 10.50 | 10.35 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 10.50 | 10.44 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 10.50 | 10.38 |

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| Tx2 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11n20-HT0 | 149 | 5745 | MCS0 | 10.00 | 9.90 |
| | | 157 | 5785 | | 10.00 | 9.90 |
| | | 165 | 5825 | | 10.00 | 9.75 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 10.00 | 9.78 |
| | | 157 | 5785 | | 10.00 | 9.77 |
| | | 165 | 5825 | | 10.00 | 9.84 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 10.00 | 9.74 |
| | | 157 | 5785 | | 10.00 | 9.92 |
| | | 165 | 5825 | | 10.00 | 9.87 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 10.00 | 9.78 |
| | | 159 | 5795 | | 10.00 | 9.83 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 10.00 | 9.76 |
| | | 159 | 5795 | | 10.00 | 9.73 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 10.00 | 9.91 |
| | | 159 | 5795 | | 10.00 | 9.83 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 10.00 | 9.93 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 10.00 | 9.81 |

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Notebook mode

SISO power

| Tx1 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 | 19.50 | 19.38 |
| | | 2 | 2417 | | 20.00 | 19.98 |
| | | 6 | 2437 | | 20.00 | 19.95 |
| | | 10 | 2457 | | 20.00 | 19.94 |
| | | 11 | 2462 | | 18.25 | 18.16 |
| | | 12 | 2467 | | 17.50 | 17.38 |
| | | 13 | 2472 | | 15.25 | 15.13 |
| | 802.11g | 1 | 2412 | 6Mbps | 18.00 | 17.93 |
| | | 2 | 2417 | | 20.00 | 19.96 |
| | | 6 | 2437 | | 20.00 | 19.97 |
| | | 10 | 2457 | | 20.00 | 19.92 |
| | | 11 | 2462 | | 15.50 | 15.41 |
| | | 12 | 2467 | | 13.50 | 13.43 |
| | | 13 | 2472 | | 10.75 | 10.71 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 18.00 | 17.90 |
| | | 2 | 2417 | | 20.00 | 19.90 |
| | | 6 | 2437 | | 20.00 | 19.87 |
| | | 10 | 2457 | | 20.00 | 19.93 |
| | | 11 | 2462 | | 15.50 | 15.45 |
| | | 12 | 2467 | | 13.50 | 13.42 |
| | | 13 | 2472 | | 10.75 | 10.66 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 18.00 | 17.87 |
| | | 2 | 2417 | | 20.00 | 19.88 |
| | | 6 | 2437 | | 20.00 | 19.92 |
| | | 10 | 2457 | | 20.00 | 19.91 |
| | | 11 | 2462 | | 15.50 | 15.37 |
| | | 12 | 2467 | | 13.50 | 13.45 |
| | | 13 | 2472 | | 10.75 | 10.70 |

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| Tx1 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n40-HT0 | 3 | 2422 | MCS0 | 17.00 | 16.92 |
| | | 4 | 2427 | | 17.50 | 17.41 |
| | | 6 | 2437 | | 17.50 | 17.41 |
| | | 8 | 2447 | | 14.50 | 14.43 |
| | | 9 | 2452 | | 14.00 | 13.88 |
| | | 10 | 2457 | | 11.50 | 11.44 |
| | | 11 | 2462 | | 11.50 | 11.40 |
| | 802.11ax40-HE0 | 3 | 2422 | MCS0 | 17.00 | 16.88 |
| | | 4 | 2427 | | 17.50 | 17.42 |
| | | 6 | 2437 | | 17.50 | 17.46 |
| | | 8 | 2447 | | 14.50 | 14.39 |
| | | 9 | 2452 | | 14.00 | 13.89 |
| | | 10 | 2457 | | 11.50 | 11.46 |
| | | 11 | 2462 | | 11.50 | 11.37 |

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| Tx1 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 | 19.00 | 18.96 |
| | | 40 | 5200 | | 19.00 | 18.93 |
| | | 44 | 5220 | | 19.00 | 18.99 |
| | | 48 | 5240 | | 19.00 | 18.98 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 19.00 | 18.93 |
| | | 40 | 5200 | | 19.00 | 18.94 |
| | | 44 | 5220 | | 19.00 | 18.88 |
| | | 48 | 5240 | | 19.00 | 18.94 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 19.00 | 18.90 |
| | | 40 | 5200 | | 19.00 | 18.92 |
| | | 44 | 5220 | | 19.00 | 18.90 |
| | | 48 | 5240 | | 19.00 | 18.89 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 19.00 | 18.92 |
| | | 40 | 5200 | | 19.00 | 18.95 |
| | | 44 | 5220 | | 19.00 | 18.90 |
| | | 48 | 5240 | | 19.00 | 18.90 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 18.50 | 18.48 |
| | | 46 | 5230 | | 19.00 | 18.98 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 18.50 | 18.43 |
| | | 46 | 5230 | | 19.00 | 18.93 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 18.50 | 18.44 |
| | | 46 | 5230 | | 19.00 | 18.87 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 18.50 | 18.41 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 18.50 | 18.38 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 14.50 | 14.46 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 14.50 | 14.45 |

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| Tx1 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 | 19.00 | 18.98 |
| | | 56 | 5280 | | 19.00 | 18.96 |
| | | 60 | 5300 | | 19.00 | 18.97 |
| | | 64 | 5320 | | 18.75 | 18.69 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 19.00 | 18.96 |
| | | 56 | 5280 | | 19.00 | 18.96 |
| | | 60 | 5300 | | 19.00 | 18.88 |
| | | 64 | 5320 | | 18.75 | 18.67 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 19.00 | 18.91 |
| | | 56 | 5280 | | 19.00 | 18.94 |
| | | 60 | 5300 | | 19.00 | 18.88 |
| | | 64 | 5320 | | 18.75 | 18.65 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 19.00 | 18.91 |
| | | 56 | 5280 | | 19.00 | 18.87 |
| | | 60 | 5300 | | 19.00 | 18.96 |
| | | 64 | 5320 | | 18.75 | 18.67 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 19.00 | 18.98 |
| | | 62 | 5310 | | 17.50 | 17.44 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 19.00 | 18.94 |
| | | 62 | 5310 | | 17.50 | 17.41 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 19.00 | 18.88 |
| | | 62 | 5310 | | 17.50 | 17.40 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 18.25 | 18.14 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 18.25 | 18.16 |

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| Tx1 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 | 17.00 | 16.91 |
| | | 120 | 5600 | | 17.00 | 16.89 |
| | | 140 | 5700 | | 17.00 | 16.88 |
| | | 144 | 5720 | | 17.00 | 16.90 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 17.00 | 16.92 |
| | | 120 | 5600 | | 17.00 | 16.96 |
| | | 140 | 5700 | | 17.00 | 16.94 |
| | | 144 | 5720 | | 17.00 | 16.90 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 17.00 | 16.89 |
| | | 120 | 5600 | | 17.00 | 16.94 |
| | | 140 | 5700 | | 17.00 | 16.90 |
| | | 144 | 5720 | | 17.00 | 16.96 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 17.00 | 16.91 |
| | | 120 | 5600 | | 17.00 | 16.96 |
| | | 140 | 5700 | | 17.00 | 16.92 |
| | | 144 | 5720 | | 17.00 | 16.89 |

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| Tx1 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n40-HT0 | 102 | 5510 | MCS0 | 17.00 | 16.99 |
| | | 118 | 5590 | | 17.00 | 16.97 |
| | | 134 | 5670 | | 17.00 | 16.98 |
| | | 142 | 5710 | | 17.00 | 16.93 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 17.00 | 16.91 |
| | | 118 | 5590 | | 17.00 | 16.94 |
| | | 134 | 5670 | | 17.00 | 16.88 |
| | | 142 | 5710 | | 17.00 | 16.91 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 17.00 | 16.87 |
| | | 118 | 5590 | | 17.00 | 16.96 |
| | | 134 | 5670 | | 17.00 | 16.95 |
| | | 142 | 5710 | | 17.00 | 16.94 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 17.00 | 16.99 |
| | | 122 | 5610 | | 17.00 | 16.98 |
| | | 138 | 5690 | | 17.00 | 16.92 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 17.00 | 16.93 |
| | | 122 | 5610 | | 17.00 | 16.87 |
| | | 138 | 5690 | | 17.00 | 16.88 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 15.50 | 15.46 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 15.50 | 15.43 |

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| Tx1 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 16.50 | 16.44 |
| | | 157 | 5785 | | 16.50 | 16.43 |
| | | 165 | 5825 | | 16.50 | 16.38 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 16.50 | 16.44 |
| | | 157 | 5785 | | 16.50 | 16.37 |
| | | 165 | 5825 | | 16.50 | 16.39 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 16.50 | 16.46 |
| | | 157 | 5785 | | 16.50 | 16.45 |
| | | 165 | 5825 | | 16.50 | 16.37 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 16.50 | 16.45 |
| | | 157 | 5785 | | 16.50 | 16.46 |
| | | 165 | 5825 | | 16.50 | 16.46 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 16.50 | 16.49 |
| | | 159 | 5795 | | 16.50 | 16.47 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 16.50 | 16.38 |
| | | 159 | 5795 | | 16.50 | 16.41 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 16.50 | 16.46 |
| | | 159 | 5795 | | 16.50 | 16.46 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 16.50 | 16.49 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 16.50 | 16.46 |

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| Tx2 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 | 19.00 | 18.97 |
| | | 2 | 2417 | | 19.00 | 18.88 |
| | | 6 | 2437 | | 19.00 | 18.99 |
| | | 10 | 2457 | | 19.00 | 18.96 |
| | | 11 | 2462 | | 18.25 | 18.15 |
| | | 12 | 2467 | | 16.50 | 16.43 |
| | | 13 | 2472 | | 15.25 | 15.14 |
| | 802.11g | 1 | 2412 | 6Mbps | 17.00 | 16.89 |
| | | 2 | 2417 | | 19.00 | 18.95 |
| | | 6 | 2437 | | 19.00 | 18.98 |
| | | 10 | 2457 | | 19.00 | 18.97 |
| | | 11 | 2462 | | 15.50 | 15.40 |
| | | 12 | 2467 | | 13.50 | 13.45 |
| | | 13 | 2472 | | 10.75 | 10.69 |
| | 802.11n20-HT0 | 1 | 2412 | MCS0 | 17.00 | 16.91 |
| | | 2 | 2417 | | 19.00 | 18.95 |
| | | 6 | 2437 | | 19.00 | 18.94 |
| | | 10 | 2457 | | 19.00 | 18.96 |
| | | 11 | 2462 | | 15.50 | 15.45 |
| | | 12 | 2467 | | 13.50 | 13.44 |
| | | 13 | 2472 | | 10.75 | 10.65 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 17.00 | 16.90 |
| | | 2 | 2417 | | 19.00 | 18.93 |
| | | 6 | 2437 | | 19.00 | 18.92 |
| | | 10 | 2457 | | 19.00 | 18.93 |
| | | 11 | 2462 | | 15.50 | 15.43 |
| | | 12 | 2467 | | 13.50 | 13.46 |
| | | 13 | 2472 | | 10.75 | 10.63 |

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| Tx2 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n40-HT0 | 3 | 2422 | MCS0 | 17.00 | 16.95 |
| | | 4 | 2427 | | 17.50 | 17.45 |
| | | 6 | 2437 | | 17.50 | 17.46 |
| | | 8 | 2447 | | 14.50 | 14.40 |
| | | 9 | 2452 | | 13.75 | 13.66 |
| | | 10 | 2457 | | 11.50 | 11.44 |
| | | 11 | 2462 | | 11.50 | 11.37 |
| | 802.11ax40-HE0 | 3 | 2422 | MCS0 | 17.00 | 16.89 |
| | | 4 | 2427 | | 17.50 | 17.45 |
| | | 6 | 2437 | | 17.50 | 17.42 |
| | | 8 | 2447 | | 14.50 | 14.46 |
| | | 9 | 2452 | | 13.75 | 13.71 |
| | | 10 | 2457 | | 11.50 | 11.41 |
| | | 11 | 2462 | | 11.50 | 11.45 |

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| Tx2 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 | 18.50 | 18.44 |
| | | 40 | 5200 | | 18.50 | 18.47 |
| | | 44 | 5220 | | 18.50 | 18.43 |
| | | 48 | 5240 | | 18.50 | 18.49 |
| | 802.11n20-HT0 | 36 | 5180 | MCS0 | 18.50 | 18.41 |
| | | 40 | 5200 | | 18.50 | 18.40 |
| | | 44 | 5220 | | 18.50 | 18.37 |
| | | 48 | 5240 | | 18.50 | 18.39 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 18.50 | 18.42 |
| | | 40 | 5200 | | 18.50 | 18.39 |
| | | 44 | 5220 | | 18.50 | 18.46 |
| | | 48 | 5240 | | 18.50 | 18.39 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 18.50 | 18.37 |
| | | 40 | 5200 | | 18.50 | 18.44 |
| | | 44 | 5220 | | 18.50 | 18.38 |
| | | 48 | 5240 | | 18.50 | 18.46 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 18.50 | 18.46 |
| | | 46 | 5230 | | 18.50 | 18.48 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 18.50 | 18.46 |
| | | 46 | 5230 | | 18.50 | 18.38 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 18.50 | 18.44 |
| | | 46 | 5230 | | 18.50 | 18.40 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 18.50 | 18.49 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 18.50 | 18.41 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 14.50 | 14.41 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 14.50 | 14.37 |

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| Tx2 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 | 18.00 | 17.95 |
| | | 56 | 5280 | | 18.00 | 17.90 |
| | | 60 | 5300 | | 18.00 | 17.90 |
| | | 64 | 5320 | | 18.00 | 17.88 |
| | 802.11n20-HT0 | 52 | 5260 | MCS0 | 18.00 | 17.91 |
| | | 56 | 5280 | | 18.00 | 17.90 |
| | | 60 | 5300 | | 18.00 | 17.94 |
| | | 64 | 5320 | | 18.00 | 17.87 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 18.00 | 17.96 |
| | | 56 | 5280 | | 18.00 | 17.96 |
| | | 60 | 5300 | | 18.00 | 17.89 |
| | | 64 | 5320 | | 18.00 | 17.91 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 18.00 | 17.96 |
| | | 56 | 5280 | | 18.00 | 17.96 |
| | | 60 | 5300 | | 18.00 | 17.89 |
| | | 64 | 5320 | | 18.00 | 17.92 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 18.00 | 17.98 |
| | | 62 | 5310 | | 17.50 | 17.48 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 18.00 | 17.89 |
| | | 62 | 5310 | | 17.50 | 17.39 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 18.00 | 17.88 |
| | | 62 | 5310 | | 17.50 | 17.42 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 18.00 | 17.97 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 18.00 | 17.96 |

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| Tx2 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 | 17.00 | 16.95 |
| | | 120 | 5600 | | 17.00 | 16.96 |
| | | 140 | 5700 | | 17.00 | 16.94 |
| | | 144 | 5720 | | 17.00 | 16.94 |
| | 802.11n20-HT0 | 100 | 5500 | MCS0 | 17.00 | 16.96 |
| | | 120 | 5600 | | 17.00 | 16.87 |
| | | 140 | 5700 | | 17.00 | 16.92 |
| | | 144 | 5720 | | 17.00 | 16.96 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 17.00 | 16.91 |
| | | 120 | 5600 | | 17.00 | 16.94 |
| | | 140 | 5700 | | 17.00 | 16.91 |
| | | 144 | 5720 | | 17.00 | 16.91 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 17.00 | 16.96 |
| | | 120 | 5600 | | 17.00 | 16.92 |
| | | 140 | 5700 | | 17.00 | 16.96 |
| | | 144 | 5720 | | 17.00 | 16.89 |

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| Tx2 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n40-HT0 | 102 | 5510 | MCS0 | 17.00 | 16.93 |
| | | 118 | 5590 | | 17.00 | 16.94 |
| | | 134 | 5670 | | 17.00 | 16.95 |
| | | 142 | 5710 | | 17.00 | 16.97 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 17.00 | 16.95 |
| | | 118 | 5590 | | 17.00 | 16.94 |
| | | 134 | 5670 | | 17.00 | 16.88 |
| | | 142 | 5710 | | 17.00 | 16.96 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 17.00 | 16.96 |
| | | 118 | 5590 | | 17.00 | 16.91 |
| | | 134 | 5670 | | 17.00 | 16.94 |
| | | 142 | 5710 | | 17.00 | 16.95 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 17.00 | 16.98 |
| | | 122 | 5610 | | 17.00 | 16.97 |
| | | 138 | 5690 | | 17.00 | 16.93 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 17.00 | 16.90 |
| | | 122 | 5610 | | 17.00 | 16.96 |
| | | 138 | 5690 | | 17.00 | 16.94 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 15.00 | 14.91 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 15.00 | 14.91 |

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| Tx2 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11a | 149 | 5745 | 6Mbps | 17.00 | 16.94 |
| | | 157 | 5785 | | 17.00 | 16.96 |
| | | 165 | 5825 | | 17.00 | 16.93 |
| | 802.11n20-HT0 | 149 | 5745 | MCS0 | 17.00 | 16.91 |
| | | 157 | 5785 | | 17.00 | 16.95 |
| | | 165 | 5825 | | 17.00 | 16.90 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 17.00 | 16.92 |
| | | 157 | 5785 | | 17.00 | 16.95 |
| | | 165 | 5825 | | 17.00 | 16.94 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 17.00 | 16.89 |
| | | 157 | 5785 | | 17.00 | 16.90 |
| | | 165 | 5825 | | 17.00 | 16.92 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 17.00 | 16.98 |
| | | 159 | 5795 | | 17.00 | 16.95 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 17.00 | 16.93 |
| | | 159 | 5795 | | 17.00 | 16.93 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 17.00 | 16.94 |
| | | 159 | 5795 | | 17.00 | 16.90 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 17.00 | 16.97 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 17.00 | 16.90 |

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MIMO power

| Tx1 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n20-HT0 | 1 | 2412 | MCS0 | 13.25 | 13.13 |
| | | 2 | 2417 | | 14.50 | 14.48 |
| | | 6 | 2437 | | 14.50 | 14.49 |
| | | 10 | 2457 | | 14.50 | 14.46 |
| | | 11 | 2462 | | 11.50 | 11.41 |
| | | 12 | 2467 | | 10.00 | 9.91 |
| | | 13 | 2472 | | 4.75 | 4.62 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 13.25 | 13.20 |
| | | 2 | 2417 | | 14.50 | 14.40 |
| | | 6 | 2437 | | 14.50 | 14.46 |
| | | 10 | 2457 | | 14.50 | 14.44 |
| | | 11 | 2462 | | 11.50 | 11.45 |
| | | 12 | 2467 | | 10.00 | 9.93 |
| | | 13 | 2472 | | 4.75 | 4.70 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 13.25 | 13.19 |
| | | 6 | 2437 | | 13.50 | 13.39 |
| | | 8 | 2447 | | 10.50 | 10.46 |
| | | 9 | 2452 | | 10.25 | 10.16 |
| | | 10 | 2457 | | 7.50 | 7.44 |
| | | 11 | 2462 | | 5.50 | 5.42 |
| | 802.11n40-HE0 | 3 | 2422 | MCS0 | 13.25 | 13.14 |
| | | 6 | 2437 | | 13.50 | 13.37 |
| | | 8 | 2447 | | 10.50 | 10.46 |
| | | 9 | 2452 | | 10.25 | 10.19 |
| | | 10 | 2457 | | 7.50 | 7.39 |
| | | 11 | 2462 | | 5.50 | 5.42 |

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| Tx1 antenna | | | | | | |
|---------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11n20-HT0 | 36 | 5180 | MCS0 | 15.00 | 14.88 |
| | | 40 | 5200 | | 15.50 | 15.46 |
| | | 44 | 5220 | | 15.50 | 15.38 |
| | | 48 | 5240 | | 15.50 | 15.39 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 15.00 | 14.96 |
| | | 40 | 5200 | | 15.50 | 15.43 |
| | | 44 | 5220 | | 15.50 | 15.43 |
| | | 48 | 5240 | | 15.50 | 15.41 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 15.00 | 14.92 |
| | | 40 | 5200 | | 15.50 | 15.42 |
| | | 44 | 5220 | | 15.50 | 15.44 |
| | | 48 | 5240 | | 15.50 | 15.43 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 13.50 | 13.44 |
| | | 46 | 5230 | | 15.50 | 15.46 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 13.50 | 13.42 |
| | | 46 | 5230 | | 15.50 | 15.44 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 13.50 | 13.37 |
| | | 46 | 5230 | | 15.50 | 15.37 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 14.00 | 13.93 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 14.00 | 13.88 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 10.00 | 9.96 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 10.00 | 9.94 |

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| Tx1 antenna | | | | | | |
|---------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11n20-HT0 | 52 | 5260 | MCS0 | 15.00 | 14.91 |
| | | 56 | 5280 | | 15.00 | 14.93 |
| | | 60 | 5300 | | 15.00 | 14.92 |
| | | 64 | 5320 | | 14.50 | 14.43 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 15.00 | 14.96 |
| | | 56 | 5280 | | 15.00 | 14.94 |
| | | 60 | 5300 | | 15.00 | 14.88 |
| | | 64 | 5320 | | 14.50 | 14.40 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 15.00 | 14.96 |
| | | 56 | 5280 | | 15.00 | 14.88 |
| | | 60 | 5300 | | 15.00 | 14.94 |
| | | 64 | 5320 | | 14.50 | 14.43 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 15.00 | 14.98 |
| | | 62 | 5310 | | 13.00 | 12.95 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 15.00 | 14.95 |
| | | 62 | 5310 | | 13.00 | 12.96 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 15.00 | 14.87 |
| | | 62 | 5310 | | 13.00 | 12.89 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 12.75 | 12.65 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 12.75 | 12.71 |

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| Tx1 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n20-HT0 | 100 | 5500 | MCS0 | 14.00 | 13.91 |
| | | 120 | 5600 | | 14.00 | 13.93 |
| | | 140 | 5700 | | 14.00 | 13.91 |
| | | 144 | 5720 | | 14.00 | 13.95 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 14.00 | 13.88 |
| | | 120 | 5600 | | 14.00 | 13.94 |
| | | 140 | 5700 | | 14.00 | 13.89 |
| | | 144 | 5720 | | 14.00 | 13.96 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 14.00 | 13.96 |
| | | 120 | 5600 | | 14.00 | 13.90 |
| | | 140 | 5700 | | 14.00 | 13.90 |
| | | 144 | 5720 | | 14.00 | 13.94 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 14.00 | 13.94 |
| | | 118 | 5590 | | 14.00 | 13.90 |
| | | 134 | 5670 | | 14.00 | 13.95 |
| | | 142 | 5710 | | 14.00 | 13.96 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 14.00 | 13.89 |
| | | 118 | 5590 | | 14.00 | 13.91 |
| | | 134 | 5670 | | 14.00 | 13.93 |
| | | 142 | 5710 | | 14.00 | 13.93 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 14.00 | 13.89 |
| | | 118 | 5590 | | 14.00 | 13.95 |
| | | 134 | 5670 | | 14.00 | 13.93 |
| | | 142 | 5710 | | 14.00 | 13.89 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 14.00 | 13.99 |
| | | 122 | 5610 | | 14.00 | 13.98 |
| | | 138 | 5690 | | 14.00 | 13.96 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 14.00 | 13.89 |
| | | 122 | 5610 | | 14.00 | 13.90 |
| | | 138 | 5690 | | 14.00 | 13.91 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 10.50 | 10.38 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 10.50 | 10.41 |

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| Tx1 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11n20-HT0 | 149 | 5745 | MCS0 | 13.50 | 13.43 |
| | | 157 | 5785 | | 13.50 | 13.43 |
| | | 165 | 5825 | | 13.50 | 13.42 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 13.50 | 13.37 |
| | | 157 | 5785 | | 13.50 | 13.37 |
| | | 165 | 5825 | | 13.50 | 13.46 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 13.50 | 13.38 |
| | | 157 | 5785 | | 13.50 | 13.44 |
| | | 165 | 5825 | | 13.50 | 13.43 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 13.50 | 13.42 |
| | | 159 | 5795 | | 13.50 | 13.42 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 13.50 | 13.40 |
| | | 159 | 5795 | | 13.50 | 13.37 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 13.50 | 13.44 |
| | | 159 | 5795 | | 13.50 | 13.42 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 13.50 | 13.48 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 13.50 | 13.46 |

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| Tx2 antenna | | | | | | |
|-------------|----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 2450 MHz | 802.11n20-HT0 | 1 | 2412 | MCS0 | 13.25 | 13.17 |
| | | 2 | 2417 | | 14.50 | 14.48 |
| | | 6 | 2437 | | 14.50 | 14.42 |
| | | 10 | 2457 | | 14.50 | 14.49 |
| | | 11 | 2462 | | 11.50 | 11.41 |
| | | 12 | 2467 | | 10.00 | 9.95 |
| | | 13 | 2472 | | 4.75 | 4.71 |
| | 802.11ax20-HE0 | 1 | 2412 | MCS0 | 13.25 | 13.19 |
| | | 2 | 2417 | | 14.50 | 14.40 |
| | | 6 | 2437 | | 14.50 | 14.37 |
| | | 10 | 2457 | | 14.50 | 14.45 |
| | | 11 | 2462 | | 11.50 | 11.39 |
| | | 12 | 2467 | | 10.00 | 9.93 |
| | | 13 | 2472 | | 4.75 | 4.63 |
| | 802.11n40-HT0 | 3 | 2422 | MCS0 | 13.25 | 13.20 |
| | | 6 | 2437 | | 13.50 | 13.43 |
| | | 8 | 2447 | | 10.50 | 10.41 |
| | | 9 | 2452 | | 10.25 | 10.13 |
| | | 10 | 2457 | | 7.50 | 7.37 |
| | | 11 | 2462 | | 5.50 | 5.42 |
| | 802.11n40-HE0 | 3 | 2422 | MCS0 | 13.25 | 13.18 |
| | | 6 | 2437 | | 13.50 | 13.37 |
| | | 8 | 2447 | | 10.50 | 10.45 |
| | | 9 | 2452 | | 10.25 | 10.20 |
| | | 10 | 2457 | | 7.50 | 7.44 |
| | | 11 | 2462 | | 5.50 | 5.43 |

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| Tx2 antenna | | | | | | |
|---------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.15-5.25 GHz | 802.11n20-HT0 | 36 | 5180 | MCS0 | 15.00 | 14.88 |
| | | 40 | 5200 | | 15.50 | 15.42 |
| | | 44 | 5220 | | 15.50 | 15.40 |
| | | 48 | 5240 | | 15.50 | 15.46 |
| | 802.11ac20-VHT0 | 36 | 5180 | MCS0 | 15.00 | 14.94 |
| | | 40 | 5200 | | 15.50 | 15.41 |
| | | 44 | 5220 | | 15.50 | 15.44 |
| | | 48 | 5240 | | 15.50 | 15.40 |
| | 802.11ax20-HE0 | 36 | 5180 | MCS0 | 15.00 | 14.87 |
| | | 40 | 5200 | | 15.50 | 15.38 |
| | | 44 | 5220 | | 15.50 | 15.46 |
| | | 48 | 5240 | | 15.50 | 15.37 |
| | 802.11n40-HT0 | 38 | 5190 | MCS0 | 13.50 | 13.48 |
| | | 46 | 5230 | | 15.50 | 15.44 |
| | 802.11ac40-VHT0 | 38 | 5190 | MCS0 | 13.50 | 13.40 |
| | | 46 | 5230 | | 15.50 | 15.39 |
| | 802.11ax40-HE0 | 38 | 5190 | MCS0 | 13.50 | 13.43 |
| | | 46 | 5230 | | 15.50 | 15.40 |
| | 802.11ac80-VHT0 | 42 | 5210 | MCS0 | 14.00 | 13.90 |
| | 802.11ax80-HE0 | 42 | 5210 | MCS0 | 14.00 | 13.96 |
| | 802.11ac160-VHT0 | 50 | 5250 | MCS0 | 10.00 | 9.90 |
| | 802.11ax160-HE0 | 50 | 5250 | MCS0 | 10.00 | 9.87 |

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| Tx2 antenna | | | | | | |
|---------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5.25-5.35 GHz | 802.11n20-HT0 | 52 | 5260 | MCS0 | 15.00 | 14.94 |
| | | 56 | 5280 | | 15.00 | 14.87 |
| | | 60 | 5300 | | 15.00 | 14.91 |
| | | 64 | 5320 | | 14.50 | 14.45 |
| | 802.11ac20-VHT0 | 52 | 5260 | MCS0 | 15.00 | 14.88 |
| | | 56 | 5280 | | 15.00 | 14.89 |
| | | 60 | 5300 | | 15.00 | 14.95 |
| | | 64 | 5320 | | 14.50 | 14.43 |
| | 802.11ax20-HE0 | 52 | 5260 | MCS0 | 15.00 | 14.95 |
| | | 56 | 5280 | | 15.00 | 14.87 |
| | | 60 | 5300 | | 15.00 | 14.89 |
| | | 64 | 5320 | | 14.50 | 14.44 |
| | 802.11n40-HT0 | 54 | 5270 | MCS0 | 15.00 | 14.99 |
| | | 62 | 5310 | | 13.00 | 12.94 |
| | 802.11ac40-VHT0 | 54 | 5270 | MCS0 | 15.00 | 14.92 |
| | | 62 | 5310 | | 13.00 | 12.95 |
| | 802.11ax40-HE0 | 54 | 5270 | MCS0 | 15.00 | 14.90 |
| | | 62 | 5310 | | 13.00 | 12.96 |
| | 802.11ac80-VHT0 | 58 | 5290 | MCS0 | 12.75 | 12.70 |
| | 802.11ax80-HE0 | 58 | 5290 | MCS0 | 12.75 | 12.71 |

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| Tx2 antenna | | | | | | |
|-------------|------------------|---------|-----------------|-----------|--|---------------------|
| Band | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5600 MHz | 802.11n20-HT0 | 100 | 5500 | MCS0 | 14.00 | 13.89 |
| | | 120 | 5600 | | 14.00 | 13.87 |
| | | 140 | 5700 | | 14.00 | 13.93 |
| | | 144 | 5720 | | 14.00 | 13.89 |
| | 802.11ac20-VHT0 | 100 | 5500 | MCS0 | 14.00 | 13.94 |
| | | 120 | 5600 | | 14.00 | 13.91 |
| | | 140 | 5700 | | 14.00 | 13.95 |
| | | 144 | 5720 | | 14.00 | 13.90 |
| | 802.11ax20-HE0 | 100 | 5500 | MCS0 | 14.00 | 13.90 |
| | | 120 | 5600 | | 14.00 | 13.94 |
| | | 140 | 5700 | | 14.00 | 13.89 |
| | | 144 | 5720 | | 14.00 | 13.93 |
| | 802.11n40-HT0 | 102 | 5510 | MCS0 | 14.00 | 13.91 |
| | | 118 | 5590 | | 14.00 | 13.90 |
| | | 134 | 5670 | | 14.00 | 13.88 |
| | | 142 | 5710 | | 14.00 | 13.87 |
| | 802.11ac40-VHT0 | 102 | 5510 | MCS0 | 14.00 | 13.87 |
| | | 118 | 5590 | | 14.00 | 13.95 |
| | | 134 | 5670 | | 14.00 | 13.91 |
| | | 142 | 5710 | | 14.00 | 13.94 |
| | 802.11ax40-HE0 | 102 | 5510 | MCS0 | 14.00 | 13.94 |
| | | 118 | 5590 | | 14.00 | 13.90 |
| | | 134 | 5670 | | 14.00 | 13.89 |
| | | 142 | 5710 | | 14.00 | 13.87 |
| | 802.11ac80-VHT0 | 106 | 5530 | MCS0 | 14.00 | 13.94 |
| | | 122 | 5610 | | 14.00 | 13.98 |
| | | 138 | 5690 | | 14.00 | 13.97 |
| | 802.11ax80-HE0 | 106 | 5530 | MCS0 | 14.00 | 13.87 |
| | | 122 | 5610 | | 14.00 | 13.95 |
| | | 138 | 5690 | | 14.00 | 13.93 |
| | 802.11ac160-VHT0 | 114 | 5570 | MCS0 | 10.50 | 10.40 |
| | 802.11ax160-HE0 | 114 | 5570 | MCS0 | 10.50 | 10.38 |

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| Tx2 antenna | | | | | | |
|-------------|-----------------|---------|-----------------|-----------|--|---------------------|
| Mode | Mode | Channel | Frequency (MHz) | Data Rate | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| 5800 MHz | 802.11n20-HT0 | 149 | 5745 | MCS0 | 13.50 | 13.46 |
| | | 157 | 5785 | | 13.50 | 13.37 |
| | | 165 | 5825 | | 13.50 | 13.38 |
| | 802.11ac20-VHT0 | 149 | 5745 | MCS0 | 13.50 | 13.44 |
| | | 157 | 5785 | | 13.50 | 13.37 |
| | | 165 | 5825 | | 13.50 | 13.45 |
| | 802.11ax20-HE0 | 149 | 5745 | MCS0 | 13.50 | 13.46 |
| | | 157 | 5785 | | 13.50 | 13.41 |
| | | 165 | 5825 | | 13.50 | 13.39 |
| | 802.11n40-HT0 | 151 | 5755 | MCS0 | 13.50 | 13.46 |
| | | 159 | 5795 | | 13.50 | 13.37 |
| | 802.11ac40-VHT0 | 151 | 5755 | MCS0 | 13.50 | 13.42 |
| | | 159 | 5795 | | 13.50 | 13.45 |
| | 802.11ax40-HE0 | 151 | 5755 | MCS0 | 13.50 | 13.38 |
| | | 159 | 5795 | | 13.50 | 13.38 |
| | 802.11ac80-VHT0 | 155 | 5775 | MCS0 | 13.50 | 13.45 |
| | 802.11ax80-HE0 | 155 | 5775 | MCS0 | 13.50 | 13.46 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Bluetooth conducted power table:

| Mode | Channel | Frequency (MHz) | 1Mbps | | 2Mbps | | 3Mbps | |
|--------|---------|-----------------|--|---------------------|--|---------------------|--|---------------------|
| | | | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) | Max. Rated Avg. Power + Max. Tolerance (dBm) | Average power (dBm) |
| BR/EDR | CH 00 | 2402 | 11.00 | 9.22 | 7.00 | 6.90 | 7.00 | 6.86 |
| | CH 39 | 2441 | | 9.23 | | 6.99 | | 6.96 |
| | CH 78 | 2480 | | 9.24 | | 6.82 | | 6.79 |

| Mode | Channel | Frequency (MHz) | GFSK | |
|------------------|---------|-----------------|---|----------------------------|
| | | | Max. Rated Avg.Power + Max. Tolerance (dBm) | Average Output Power (dBm) |
| Bluetooth 4.0_1M | CH 37 | 2402 | 7 | 6.08 |
| | CH 17 | 2440 | | 6.04 |
| | CH 39 | 2480 | | 6.13 |

| Mode | Channel | Frequency (MHz) | GFSK | |
|------------------|---------|-----------------|---|----------------------------|
| | | | Max. Rated Avg.Power + Max. Tolerance (dBm) | Average Output Power (dBm) |
| Bluetooth 4.0_2M | CH 37 | 2402 | 7 | 5.27 |
| | CH 17 | 2440 | | 5.21 |
| | CH 39 | 2480 | | 5.31 |

| Mode | Channel | Frequency (MHz) | GFSK | |
|------------------|---------|-----------------|---|----------------------------|
| | | | Max. Rated Avg.Power + Max. Tolerance (dBm) | Average Output Power (dBm) |
| Bluetooth 5.0_S8 | CH 37 | 2402 | 7 | 5.99 |
| | CH 17 | 2440 | | 5.98 |
| | CH 39 | 2480 | | 6.02 |

| Mode | Channel | Frequency (MHz) | GFSK | |
|------------------|---------|-----------------|---|----------------------------|
| | | | Max. Rated Avg.Power + Max. Tolerance (dBm) | Average Output Power (dBm) |
| Bluetooth 5.0_S2 | CH 37 | 2402 | 7 | 5.96 |
| | CH 17 | 2440 | | 5.97 |
| | CH 39 | 2480 | | 6.08 |

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1.3.1 LTE Downlink CA specification

LTE Downlink 2CA conducted power table

| Two Component Carrier Maximum Conducted Power | | | | | | | | | | | | | | | |
|---|-----------------|------------|----|-----------|-----------------|---------|-----------------|---------|---------|-----------------|-----------------|----------------|--------------|----------------|----------------|
| PCC | | | | | | | | SCC | | | | TX power (dBm) | | Configurations | |
| UL | | | | | | | DL | | DL | | | | DL CA active | | DL CA inactive |
| Band | Bandwidth [MHz] | Modulation | RB | RB Offset | Frequency [MHz] | Channel | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | Channel | | | |
| LTE B5 | 10 | QPSK | 1 | 49 | 836.5 | 20525 | 881.5 | 2525 | LTE B7 | 20 | 2655 | 3100 | 23.64 | 23.83 | CA_5A-7A |
| LTE B7 | 20 | QPSK | 1 | 99 | 2535 | 21100 | 3100 | 2655 | LTE B5 | 10 | 881.5 | 2525 | 23.45 | 23.46 | CA_5A-7A |
| LTE B25 | 20 | QPSK | 1 | 0 | 1860 | 26140 | 1940 | 8140 | LTE B26 | 15 | 876.5 | 8865 | 23.11 | 23.12 | CA_25A-26A |
| LTE B26 | 15 | QPSK | 1 | 0 | 841.5 | 26965 | 886.5 | 8965 | LTE B25 | 20 | 1962.5 | 8365 | 23.90 | 23.91 | CA_25A-26A |
| LTE B25 | 20 | QPSK | 1 | 0 | 1860 | 26140 | 1940 | 8140 | LTE B41 | 20 | 2593 | 40620 | 23.11 | 23.12 | CA_25A-41A |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B25 | 20 | 1962.5 | 8365 | 24.24 | 24.25 | CA_25A-41A |
| LTE B26 | 15 | QPSK | 1 | 0 | 841.5 | 26965 | 886.5 | 8965 | LTE B41 | 20 | 2593 | 40620 | 23.90 | 23.91 | CA_26A-41A |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B26 | 15 | 876.5 | 8865 | 24.24 | 24.25 | CA_26A-41A |
| LTE B7 | 20 | QPSK | 1 | 99 | 2510 | 20850 | 2630 | 2850 | LTE B7 | 20 | 2680 | 3350 | 23.34 | 23.35 | CA_7A-7A |
| LTE B7 | 20 | QPSK | 1 | 0 | 2560 | 21350 | 2680 | 3350 | LTE B7 | 20 | 2630 | 2850 | 23.10 | 23.11 | CA_7A-7A |
| LTE B25 | 20 | QPSK | 1 | 0 | 1860 | 26140 | 1940 | 8140 | LTE B25 | 20 | 1985 | 8590 | 23.11 | 23.12 | CA_25A-25A |
| LTE B25 | 20 | QPSK | 1 | 0 | 1905 | 26590 | 1985 | 8590 | LTE B25 | 20 | 1940 | 8140 | 23.07 | 23.08 | CA_25A-25A |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2680 | 41490 | 24.24 | 24.25 | CA_41A-41A |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2506 | 39750 | 23.93 | 23.94 | CA_41A-41A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1860 | 18700 | 1940 | 700 | LTE B2 | 20 | 1959.8 | 898 | 23.24 | 23.25 | CA_2C |
| LTE B2 | 20 | QPSK | 1 | 0 | 1900 | 19100 | 1980 | 1100 | LTE B2 | 20 | 1960.2 | 902 | 23.17 | 23.18 | CA_2C |
| LTE B7 | 15 | QPSK | 1 | 74 | 2507.5 | 20825 | 2627.5 | 2825 | LTE B7 | 15 | 2636.8 | 2918 | 23.25 | 23.26 | CA_7B |
| LTE B7 | 20 | QPSK | 1 | 99 | 2510 | 20850 | 2630 | 2850 | LTE B7 | 20 | 2649.8 | 3048 | 23.34 | 23.35 | CA_7C |
| LTE B7 | 20 | QPSK | 1 | 0 | 2560 | 21350 | 2680 | 3350 | LTE B7 | 20 | 2660.2 | 3152 | 23.10 | 23.11 | CA_7C |

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LTE Downlink 3CA conducted power table

| Three Component Carrier Maximum Conducted Power | | | | | | | | | | | | | | | | | | | |
|---|-----------------|------------|----|-----------|-----------------|---------|-----------------|---------|---------|-----------------|-----------------|---------|---------|-----------------|-----------------|----------------|----------------|----------------|---------------|
| PCC | | | | | | | | SSC 1 | | | | SSC 2 | | | | TX power (dBm) | | Configurations | |
| UL | | | | | | | | DL | | | | DL | | | | DL CA active | DL CA inactive | | |
| Band | Bandwidth [MHz] | Modulation | RB | RB Offset | Frequency [MHz] | Channel | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | | | | Channel |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | LTE B5 | 10 | 881.5 | 2525 | 23.09 | 23.27 | CA_2A-4A-5A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B2 | 20 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | 23.01 | 23.17 | CA_2A-4A-5A |
| LTE B5 | 10 | QPSK | 1 | 49 | 836.5 | 20525 | 889 | 2600 | LTE B2 | 20 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | 23.63 | 23.83 | CA_2A-4A-5A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | LTE B12 | 10 | 737.5 | 5095 | 23.11 | 23.27 | CA_2A-4A-12A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B2 | 20 | 1960 | 900 | LTE B12 | 10 | 737.5 | 5095 | 23.13 | 23.17 | CA_2A-4A-12A |
| LTE B12 | 10 | QPSK | 1 | 49 | 704 | 23060 | 734 | 5060 | LTE B2 | 20 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | 22.81 | 22.89 | CA_2A-4A-12A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | LTE B13 | 10 | 751 | 5230 | 23.15 | 23.27 | CA_2A-4A-13A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B2 | 20 | 1960 | 900 | LTE B13 | 10 | 751 | 5230 | 23.08 | 23.17 | CA_2A-4A-13A |
| LTE B13 | 10 | QPSK | 1 | 25 | 782 | 23230 | 751 | 5230 | LTE B2 | 20 | 1960 | 900 | LTE B4 | 20 | 2132.5 | 2175 | 22.50 | 22.67 | CA_2A-4A-13A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B29 | 10 | 722.5 | 9715 | LTE B30 | 10 | 2355 | 9820 | 23.13 | 23.27 | CA_2A-29A-30A |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B2 | 20 | 1960 | 900 | LTE B29 | 10 | 722.5 | 9715 | 21.90 | 22.09 | CA_2A-29A-30A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B5 | 10 | 881.5 | 2525 | LTE B30 | 10 | 2355 | 9820 | 23.10 | 23.17 | CA_4A-5A-30A |
| LTE B5 | 10 | QPSK | 1 | 49 | 836.5 | 20525 | 889 | 2600 | LTE B4 | 20 | 2132.5 | 2175 | LTE B30 | 10 | 2355 | 9820 | 23.75 | 23.83 | CA_4A-5A-30A |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B5 | 10 | 881.5 | 2525 | LTE B4 | 20 | 2132.5 | 2175 | 22.03 | 22.09 | CA_4A-5A-30A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B12 | 10 | 737.5 | 5095 | LTE B30 | 10 | 2355 | 9820 | 23.02 | 23.17 | CA_4A-12A-30A |
| LTE B12 | 10 | QPSK | 1 | 49 | 704 | 23060 | 734 | 5060 | LTE B4 | 20 | 2132.5 | 2175 | LTE B30 | 10 | 2355 | 9820 | 22.71 | 22.89 | CA_4A-12A-30A |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B12 | 10 | 737.5 | 5095 | LTE B4 | 20 | 2132.5 | 2175 | 21.85 | 22.09 | CA_4A-12A-30A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B29 | 10 | 722.5 | 9715 | LTE B30 | 10 | 2355 | 9820 | 23.07 | 23.17 | CA_4A-29A-30A |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B4 | 20 | 2132.5 | 2175 | LTE B29 | 10 | 722.5 | 9715 | 22.05 | 22.09 | CA_4A-29A-30A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B4 | 20 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | 23.25 | 23.27 | CA_2A-4A-4A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | LTE B2 | 20 | 1960 | 900 | 23.06 | 23.17 | CA_2A-4A-4A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1745 | 20300 | 2145 | 2300 | LTE B4 | 20 | 2120 | 2050 | LTE B2 | 20 | 1960 | 900 | 22.94 | 23.01 | CA_2A-4A-4A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | LTE B5 | 10 | 881.5 | 2525 | 23.05 | 23.17 | CA_4A-4A-5A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1745 | 20300 | 2145 | 2300 | LTE B4 | 20 | 2120 | 2050 | LTE B5 | 10 | 881.5 | 2525 | 22.98 | 23.01 | CA_4A-4A-5A |
| LTE B5 | 10 | QPSK | 1 | 49 | 836.5 | 20525 | 889 | 2600 | LTE B4 | 20 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | 23.66 | 23.83 | CA_4A-4A-5A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | LTE B12 | 10 | 737.5 | 5095 | 23.04 | 23.17 | CA_4A-4A-12A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1745 | 20300 | 2145 | 2300 | LTE B4 | 20 | 2120 | 2050 | LTE B12 | 10 | 737.5 | 5095 | 22.88 | 23.01 | CA_4A-4A-12A |
| LTE B12 | 10 | QPSK | 1 | 49 | 704 | 23060 | 734 | 5060 | LTE B4 | 20 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | 22.87 | 22.89 | CA_4A-4A-12A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1720 | 20050 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | LTE B13 | 10 | 751 | 5230 | 23.09 | 23.17 | CA_4A-4A-13A |
| LTE B4 | 20 | QPSK | 1 | 0 | 1745 | 20300 | 2145 | 2300 | LTE B4 | 20 | 2120 | 2050 | LTE B13 | 10 | 751 | 5230 | 22.84 | 23.01 | CA_4A-4A-13A |
| LTE B13 | 10 | QPSK | 1 | 25 | 782 | 23230 | 751 | 5230 | LTE B4 | 20 | 2120 | 2050 | LTE B4 | 20 | 2145 | 2300 | 22.60 | 22.67 | CA_4A-4A-13A |
| LTE B25 | 20 | QPSK | 1 | 0 | 1860 | 26140 | 1940 | 8140 | LTE B41 | 20 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | 23.03 | 23.12 | CA_25A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | LTE B25 | 20 | 1962.5 | 8365 | 24.08 | 24.25 | CA_25A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2680.2 | 41292 | LTE B25 | 20 | 1962.5 | 8365 | 23.74 | 23.84 | CA_25A-41C |
| LTE B26 | 15 | QPSK | 1 | 0 | 841.5 | 26965 | 886.5 | 8965 | LTE B41 | 20 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | 23.86 | 23.91 | CA_26A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | LTE B41 | 20 | 2680 | 41490 | 24.12 | 24.25 | CA_26A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2680.2 | 41292 | LTE B26 | 15 | 876 | 8865 | 23.80 | 23.94 | CA_26A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | 23.93 | 23.94 | CA_41A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | LTE B41 | 20 | 2593 | 40620 | 24.05 | 24.25 | CA_41A-41C |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2680.2 | 41292 | LTE B41 | 20 | 2593 | 40620 | 23.84 | 23.94 | CA_41A-41C |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B66 | 10 | 2185.1 | 67187 | LTE B66 | 10 | 2195 | 67286 | 22.88 | 23.03 | CA_66A-66B |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B66 | 20 | 2170.2 | 67038 | LTE B66 | 20 | 2190 | 67236 | 22.91 | 23.03 | CA_66A-66C |

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| Four Component Carrier Maximum Conducted Power | | | | | | | | | | | | | | | | | | | | SC1 | | SC2 | | SC3 | | Tx power (dBm) | | Configurations |
|--|-----------------|------|----|-----------|-----------------|---------|-----------------|---------|---------|-----------------|-------|---------|-----------------|---------|-------|-----------------|---------|---------|------|--------------|----------------|-------|-------------------|-----|--|----------------|--|----------------|
| UL | | | | | | | | | | DL | | | | | | | | | | DL CA active | DL CA inactive | | | | | | | |
| Band | Bandwidth [MHz] | QoS | RB | RB Offset | Frequency [MHz] | Channel | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | QoS | Channel | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | QoS | Channel | | | | | | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 23.14 | 23.27 | CA 2A-2A-30A-66A | | | | | |
| LTE B5 | 10 | QPSK | 1 | 49 | 836.5 | 20625 | 889 | 2600 | LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 23.66 | 23.83 | CA 5A-30A-66A | | | | | |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B2 | 20 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | LTE B66 | 20 | 2145 | 66786 | 23.20 | 23.29 | CA 2A-2A-30A-66A | | | | | |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 23.66 | 23.74 | CA 2A-12A-30A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B12 | 10 | 737.5 | 5095 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 23.11 | 23.27 | CA 2A-12A-30A-66A | | | | | |
| LTE B12 | 10 | QPSK | 1 | 49 | 704 | 23060 | 734 | 5060 | LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 22.85 | 22.89 | CA 2A-12A-30A-66A | | | | | |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B2 | 20 | 1960 | 900 | LTE B12 | 10 | 737.5 | 5095 | LTE B66 | 20 | 2145 | 66786 | 22.01 | 22.09 | CA 2A-12A-30A-66A | | | | | |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | LTE B12 | 10 | 737.5 | 5095 | LTE B66 | 20 | 2145 | 66786 | 22.88 | 23.03 | CA 2A-12A-30A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B14 | 10 | 751 | 5230 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 23.12 | 23.27 | CA 2A-12A-30A-66A | | | | | |
| LTE B14 | 10 | QPSK | 1 | 49 | 704 | 23060 | 734 | 5060 | LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 22.89 | 23.01 | CA 2A-12A-30A-66A | | | | | |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B2 | 20 | 1960 | 900 | LTE B14 | 10 | 751 | 5230 | LTE B66 | 20 | 2145 | 66786 | 22.97 | 22.09 | CA 2A-12A-30A-66A | | | | | |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | LTE B14 | 10 | 751 | 5230 | LTE B66 | 20 | 2145 | 66786 | 22.97 | 23.03 | CA 2A-12A-30A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | LTE B14 | 10 | 751 | 5230 | LTE B66 | 20 | 2145 | 66786 | 22.97 | 23.03 | CA 2A-12A-30A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2145 | 66786 | 22.97 | 23.03 | CA 2A-12A-30A-66A | | | | | |
| LTE B5 | 10 | QPSK | 1 | 0 | 1880 | 18900 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | LTE B66 | 20 | 2145 | 66786 | LTE B66 | 20 | 2145 | 66786 | 22.99 | 23.18 | CA 2A-2A-5A-66A | | | | | |
| LTE B66 | 20 | QPSK | 1 | 49 | 836.5 | 20625 | 889 | 2600 | LTE B2 | 20 | 1960 | 900 | LTE B66 | 20 | 2145 | 66786 | LTE B66 | 20 | 2145 | 66786 | 22.99 | 23.18 | CA 2A-2A-5A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | LTE B5 | 10 | 881.5 | 2525 | LTE B66 | 20 | 2145 | 66786 | 22.99 | 23.18 | CA 2A-2A-5A-66A | | | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18 | | | | | | | | | | | | | | | | | | | | | | |

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LTE Downlink 5CA conducted power table

| Five Component Carrier Maximum Conducted Power | | | | | | | | | | | | | | | |
|--|-----------------|------------|----|-----------|-----------------|---------|-----------------|---------|---------|-----------------|-----------------|---------|----------------|----------------|------------------|
| PCC | | | | | | | | | SCC 1 | | | | TX power (dBm) | | Configuration |
| UL | | | | | | | DL | | | | | | DL CA active | DL CA inactive | |
| Band | Bandwidth [MHz] | Modulation | RB | RB Offset | Frequency [MHz] | Channel | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | Channel | | | |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1940 | 700 | LTE B5 | 10 | 874 | 2450 | 23.09 | 23.27 | CA 2A-5B-30A-66A |
| LTE B5 | 10 | QPSK | 1 | 49 | 829 | 20450 | 874 | 2450 | LTE B5 | 10 | 883.9 | 2549 | 23.78 | 23.81 | CA 2A-5B-30A-66A |
| LTE B5 | 10 | QPSK | 1 | 49 | 844 | 20600 | 889 | 2600 | LTE B5 | 10 | 879.1 | 2501 | 23.59 | 23.79 | CA 2A-5B-30A-66A |
| LTE B30 | 10 | QPSK | 1 | 0 | 2310 | 27710 | 2355 | 9820 | LTE B2 | 20 | 1960 | 900 | 21.92 | 22.09 | CA 2A-5B-30A-66A |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B2 | 20 | 1960 | 900 | 22.87 | 23.03 | CA 2A-5B-30A-66A |
| LTE B2 | 20 | QPSK | 1 | 0 | 1880 | 18900 | 1940 | 700 | LTE B5 | 10 | 874 | 2450 | 23.20 | 23.27 | CA 2A-5B-66A-66A |
| LTE B5 | 10 | QPSK | 1 | 49 | 829 | 20450 | 874 | 2450 | LTE B5 | 10 | 883.9 | 2549 | 23.71 | 23.81 | CA 2A-5B-66A-66A |
| LTE B5 | 10 | QPSK | 1 | 49 | 844 | 20600 | 889 | 2600 | LTE B5 | 10 | 879.1 | 2501 | 23.74 | 23.79 | CA 2A-5B-66A-66A |
| LTE B66 | 20 | QPSK | 1 | 0 | 1720 | 132072 | 2120 | 66536 | LTE B66 | 20 | 2170 | 67036 | 22.98 | 23.03 | CA 2A-5B-66A-66A |
| LTE B66 | 20 | QPSK | 1 | 0 | 1770 | 132572 | 2170 | 67036 | LTE B66 | 20 | 2120 | 66536 | 22.85 | 22.88 | CA 2A-5B-66A-66A |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | 24.10 | 24.25 | CA 41C-41D |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2660.2 | 41292 | 23.78 | 23.94 | CA 41C-41D |
| LTE B41 | 20 | QPSK | 1 | 0 | 2506 | 39750 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | 24.14 | 24.25 | CA 41C-41D |
| LTE B41 | 20 | QPSK | 1 | 99 | 2593 | 40620 | 2593 | 40620 | LTE B41 | 20 | 2573.2 | 40422 | 23.71 | 23.88 | CA 41C-41D |
| LTE B41 | 20 | QPSK | 1 | 0 | 2680 | 41490 | 2680 | 41490 | LTE B41 | 20 | 2660.2 | 41292 | 23.89 | 23.94 | CA 41C-41D |

| Five Component Carrier Maximum Conducted Power | | | | | | | | | | | | | | |
|--|-----------------|-----------------|---------|---------|-----------------|-----------------|---------|---------|-----------------|-----------------|---------|----------------|----------------|------------------|
| SCC 2 | | | | SCC 3 | | | | SCC 4 | | | | TX power (dBm) | | Configurations |
| DL | | | | DL | | | | DL | | | | DL CA active | DL CA inactive | |
| Band | Bandwidth [MHz] | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | Channel | Band | Bandwidth [MHz] | Frequency [MHz] | Channel | | | |
| LTE B5 | 10 | 883.9 | 2549 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2139.8 | 66374 | 23.09 | 23.27 | CA 2A-5B-30A-66A |
| LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2139.8 | 66374 | 23.78 | 23.81 | CA 2A-5B-30A-66A |
| LTE B2 | 20 | 1960 | 900 | LTE B30 | 10 | 2355 | 9820 | LTE B66 | 20 | 2139.8 | 66374 | 23.59 | 23.79 | CA 2A-5B-30A-66A |
| LTE B5 | 10 | 874 | 2450 | LTE B5 | 10 | 883.9 | 2549 | LTE B66 | 20 | 6673.4 | 2139.8 | 21.92 | 22.09 | CA 2A-5B-30A-66A |
| LTE B5 | 10 | 874 | 2450 | LTE B5 | 10 | 883.9 | 2549 | LTE B30 | 10 | 2355 | 9820 | 22.87 | 23.03 | CA 2A-5B-30A-66A |
| LTE B5 | 10 | 883.9 | 2549 | LTE B66 | 20 | 2120 | 66536 | LTE B66 | 20 | 2170 | 67036 | 23.20 | 23.27 | CA 2A-5B-66A-66A |
| LTE B66 | 20 | 2120 | 66536 | LTE B66 | 20 | 2170 | 67036 | LTE B2 | 20 | 1960 | 900 | 23.71 | 23.81 | CA 2A-5B-66A-66A |
| LTE B66 | 20 | 2120 | 66536 | LTE B66 | 20 | 2170 | 67036 | LTE B2 | 20 | 1960 | 900 | 23.74 | 23.79 | CA 2A-5B-66A-66A |
| LTE B5 | 10 | 2450 | 874 | LTE B5 | 10 | 2549 | 883.9 | LTE B2 | 20 | 1960 | 900 | 22.98 | 23.03 | CA 2A-5B-66A-66A |
| LTE B5 | 10 | 2450 | 874 | LTE B5 | 10 | 2549 | 883.9 | LTE B2 | 20 | 1960 | 900 | 22.85 | 22.88 | CA 2A-5B-66A-66A |
| LTE B41 | 20 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | LTE B41 | 20 | 2545.6 | 40146 | 24.10 | 24.25 | CA 41C-41D |
| LTE B41 | 20 | 2506 | 39750 | LTE B41 | 20 | 2525.8 | 39948 | LTE B41 | 20 | 2545.6 | 40146 | 23.78 | 23.94 | CA 41C-41D |
| LTE B41 | 20 | 2545.6 | 40146 | LTE B41 | 20 | 2660.2 | 41292 | LTE B41 | 20 | 2680 | 41490 | 24.14 | 24.25 | CA 41C-41D |
| LTE B41 | 20 | 2612.8 | 40818 | LTE B41 | 20 | 2583.1 | 40521 | LTE B41 | 20 | 2602.9 | 40719 | 23.71 | 23.88 | CA 41C-41D |
| LTE B41 | 20 | 2640.4 | 41094 | LTE B41 | 20 | 2660.2 | 41292 | LTE B41 | 20 | 2680 | 41490 | 23.89 | 23.94 | CA 41C-41D |

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LTE CA information**A)**

The device supports downlink LTE Carrier Aggregation (CA) only. It supports a maximum of 5 carriers in the downlink. Other Release 10 features or higher features are not supported, including Uplink Carrier Aggregation, Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations etc. All uplink communications are identical to the Release 8 Specifications.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.521-1 V16.0.0. The conducted power measurement results of downlink LTE CA are provided as above per 3GPP TS 36.521-1 V16.0.0. According to KDB 941225 D05A and RF exposure procedures in TCB workshop April 2018, the downlink LTE CA SAR test is not required.

B)**CA combination table**

| Index | 2CC | Restriction | Completely Covered by Measurement Superset | Index | 3CC | Restriction | Completely Covered by Measurement Superset | Index | 4CC | Restriction | Completely Covered by Measurement Superset | Index | 5CC | Restriction | Completely Covered by Measurement Superset |
|---------|------------|--------------|--|---------|----------------|--------------|--|--------------------|-------------------|-------------|--|--------|------------------|-------------|--|
| 2CC #1 | CA 2A-4A | | 3CC #1 | 3CC #1 | CA 2A-4A-5A | | No | 4CC #1 | CA 2A-5A-30A-66A | | No | 5CC #1 | CA 2A-5B-30A-66A | | No |
| 2CC #2 | CA 2A-5A | | 3CC #2 | 3CC #2 | CA 2A-4A-12A | | No | 4CC #2 | CA 2A-12A-30A-66A | | No | 5CC #2 | CA 2A-5B-66A-66A | | No |
| 2CC #3 | CA 2A-12A | | 3CC #3 | 3CC #3 | CA 2A-4A-13A | | No | 4CC #3 | CA 2A-14A-30A-66A | | No | 5CC #3 | CA 41C-41D | | No |
| 2CC #4 | CA 2A-13A | | 3CC #4 | 3CC #4 | CA 2A-5A-30A | | 4CC #1 | CA 2A-2A-5A-66A | | No | | | | | |
| 2CC #5 | CA 2A-14A | | 3CC #5 | 3CC #5 | CA 2A-12A-30A | | 4CC #2 | CA 2A-2A-12A-30A | | No | | | | | |
| 2CC #7 | CA 2A-29A | B29 SCC only | 3CC #6 | 3CC #6 | CA 2A-29A-30A | B29 SCC only | No | 4CC #6 | CA 2A-2A-12A-66A | | No | | | | |
| 2CC #8 | CA 2A-30A | | 3CC #6 | 3CC #7 | CA 2A-5A-66A | | 4CC #1 | CA 2A-2A-13A-66A | | No | | | | | |
| 2CC #9 | CA 2A-66A | | 3CC #7 | 3CC #8 | CA 2A-13A-66A | | 4CC #7 | CA 2A-5A-66A-66A | | No | | | | | |
| 2CC #10 | CA 4A-5A | | 3CC #13 | 3CC #9 | CA 2A-14A-30A | | 4CC #3 | CA 2A-12A-66A-66A | | No | | | | | |
| 2CC #11 | CA 4A-12A | | 3CC #14 | 3CC #10 | CA 2A-14A-66A | | 4CC #3 | CA 2A-13A-66A-66A | | No | | | | | |
| 2CC #12 | CA 4A-13A | | 3CC #9 | 3CC #11 | CA 2A-30A-66A | | 4CC #1 | CA 5A-30A-66A-66A | | No | | | | | |
| 2CC #13 | CA 4A-29A | B29 SCC only | 3CC #15 | 3CC #12 | CA 2A-12A-66A | | 4CC #2 | CA 29A-30A-66A-66A | B29 SCC only | No | | | | | |
| 2CC #14 | CA 4A-30A | | 3CC #14 | 3CC #13 | CA 4A-5A-30A | | No | 4CC #13 | CA 2A-5B-30A | | SCC #1 | | | | |
| 2CC #15 | CA 5A-7A | | No | 3CC #14 | CA 4A-12A-30A | | No | 4CC #14 | CA 2A-5B-66A | | SCC #1 | | | | |
| 2CC #16 | CA 5A-30A | | 3CC #4 | 3CC #15 | CA 4A-29A-30A | B29 SCC only | No | 4CC #15 | CA 2A-5A-66B | | | | | | |
| 2CC #17 | CA 5A-66A | | 3CC #7 | 3CC #16 | CA 5A-30A-66A | | 4CC #1 | 4CC #16 | CA 2A-5A-66C | | No | | | | |
| 2CC #18 | CA 12A-30A | | 3CC #5 | 3CC #17 | CA 12A-30A-66A | | 4CC #2 | 4CC #17 | CA 2A-13A-66B | | No | | | | |
| 2CC #19 | CA 12A-66A | | 3CC #12 | 3CC #18 | CA 14A-30A-66A | | 4CC #3 | 4CC #18 | CA 2A-13A-66C | | No | | | | |
| 2CC #20 | CA 13A-66A | | 3CC #8 | 3CC #19 | CA 29A-30A-66A | B29 SCC only | 4CC #12 | 4CC #19 | CA 5B-30A-66A | | SCC #1 | | | | |
| 2CC #21 | CA 14A-30A | | 3CC #9 | 3CC #20 | CA 2A-2A-5A | | 4CC #4 | 4CC #20 | CA 5A-5A-66B | | No | | | | |
| 2CC #22 | CA 14A-66A | | 3CC #10 | 3CC #21 | CA 2A-2A-12A | | 4CC #5 | 4CC #21 | CA 5A-5A-66C | | No | | | | |
| 2CC #23 | CA 25A-26A | | No | 3CC #22 | CA 2A-2A-13A | | 4CC #7 | 4CC #22 | CA 5B-66A-66A | | SCC #2 | | | | |
| 2CC #24 | CA 25A-41A | | No | 3CC #23 | CA 2A-2A-30A | | 4CC #5 | 4CC #23 | CA 29A-41D | | No | | | | |
| 2CC #25 | CA 29A-41A | | No | 3CC #24 | CA 2A-2A-66A | | 4CC #6 | 4CC #24 | CA 41C-41D | | No | | | | |
| 2CC #26 | CA 29A-30A | B29 SCC only | 3CC #6 | 3CC #25 | CA 2A-4A-4A | | No | 4CC #25 | CA 41C-41C | | No | | | | |
| 2CC #27 | CA 29A-66A | B29 SCC only | 3CC #19 | 3CC #26 | CA 2A-66A-66A | | 4CC #8 | | | | | | | | |
| 2CC #28 | CA 30A-66A | | 3CC #16 | 3CC #27 | CA 4A-4A-5A | | No | | | | | | | | |
| 2CC #29 | CA 3A-2A | | 3CC #20 | 3CC #28 | CA 4A-4A-12A | | No | | | | | | | | |
| 2CC #30 | CA 4A-4A | | 3CC #25 | 3CC #29 | CA 4A-4A-13A | | No | | | | | | | | |
| 2CC #31 | CA 7A-7A | | No | 3CC #30 | CA 5A-66A-66A | | 4CC #8 | | | | | | | | |
| 2CC #32 | CA 25A-25A | | No | 3CC #31 | CA 12A-66A-66A | | 4CC #9 | | | | | | | | |
| 2CC #33 | CA 41A-41A | | No | 3CC #32 | CA 13A-66A-66A | | 4CC #10 | | | | | | | | |
| 2CC #34 | CA 66A-66A | | 3CC #30 | 3CC #33 | CA 29A-66A-66A | B29 SCC only | 4CC #12 | | | | | | | | |
| 2CC #35 | CA 2C | | No | 3CC #34 | CA 30A-66A-66A | | 4CC #11 | | | | | | | | |
| 2CC #36 | CA 5B | | 3CC #35 | 3CC #35 | CA 2A-6B | | 4CC #13 | | | | | | | | |
| 2CC #37 | CA 7B | | No | 3CC #36 | CA 2A-66B | | 4CC #15 | | | | | | | | |
| 2CC #38 | CA 7C | | No | 3CC #37 | CA 2A-66C | | 4CC #16 | | | | | | | | |
| 2CC #39 | CA 41C | | 3CC #44 | 3CC #38 | CA 5B-30A | | 4CC #13 | | | | | | | | |
| 2CC #40 | CA 66B | | 3CC #36 | 3CC #39 | CA 5B-66A | | 4CC #14 | | | | | | | | |
| 2CC #41 | CA 66C | | 3CC #37 | 3CC #40 | CA 5A-66B | | 4CC #15 | | | | | | | | |
| | | | | 3CC #41 | CA 5A-66C | | 4CC #16 | | | | | | | | |
| | | | | 3CC #42 | CA 13A-66B | | 4CC #17 | | | | | | | | |
| | | | | 3CC #43 | CA 13A-66C | | 4CC #18 | | | | | | | | |
| | | | | 3CC #44 | CA 25A-41C | | No | | | | | | | | |
| | | | | 3CC #45 | CA 26A-41C | | No | | | | | | | | |
| | | | | 3CC #46 | CA 41A-41C | | No | | | | | | | | |
| | | | | 3CC #47 | CA 66A-66B | | No | | | | | | | | |
| | | | | 3CC #48 | CA 66A-66C | | No | | | | | | | | |
| | | | | 3CC #49 | CA 41D | | 4CC #23 | | | | | | | | |

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Note:

- 1) For the inter-band CA combinations, except B29 can't be PCC, all the listed bands above can be used as PCC or SCC.
- 2) The channel spacing and aggregated channel bandwidth for CA are identical to the associated specification in 3GPP TS 36.521-1 V16.0.0.
- 3) The reference test frequencies for CA refers to 3GPP TS 36.508 V16.1.0
- 4) Testing is not required in bands or modes not intended/allowed for US operation
- 5) Based on TCB workshop April 2018, only indicate "No" in CA combination table need power measurement

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1.4 Test Environment

Ambient Temperature: $22\pm 2^{\circ}\text{C}$

Tissue Simulating Liquid: $22\pm 2^{\circ}\text{C}$

1.5 Operation Description

For WWAN, the EUT is controlled by using a Radio Communication Tester, and the communication between the EUT and the tester is established by air link.

For WLAN, using chipset specific software to control the EUT, and makes it transmit in maximum power. The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.

The device was tested based on KDB inquiry as below,

WWAN

Notebook mode

SAR measurement for Notebook SAR is not required since the distance between antenna and user is $> 20\text{cm}$

Tablet mode

Back/edges_0mm

WLAN

Notebook mode (corresponding Notebook mode power)

WLAN SAR measurement for notebook mode is performed with the keyboard bottom touch against the flat phantom.

Tablet mode (corresponding Tablet mode power)

Back/edges_0mm

Whatever notebook mode or tablet mode, SISO and MIMO SAR are measured for Main and Aux antennas separately and individually (standalone SAR measurements).

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Note:

- 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.
- 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 $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSDPA). The following 4 sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

| Sub-test | β_c | β_d | β_d (SF) | β_c/β_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: Δ_{ACK} , Δ_{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, Δ_{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 $\beta_d/\beta_c = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCCH, DPCCCH 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 β_c/β_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 $\beta_d = 15/15$.

- 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 $\leq \frac{1}{4}$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA). The following 5 sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS 34.121. A summary of these setting are illustrated below:

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| Sub-test | β_c | β_d | β_d (SF) | β_c / β_d | $\beta_{HS}^{(1)}$ | β_{ec} | $\beta_{ed}^{(4/5)}$ | β_{ed} (SF) | β_{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 | $\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$ | 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, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{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 DPDCCH, DPCCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_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: β_{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.

4. The 3G SAR test reduction procedure is applied to HSPA+ with 12.2 kbps RMC as the primary mode. Since the maximum output power in a secondary mode (HSPA+) is $\leq 1/4$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (HSPA+). The following 1 sub-test was completed according to Release 7 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

Table C.11.1.4: β values for transmitter characteristics tests with HS-DPCCH and E-DCH with 16QAM

| Sub-test | β_c (Note 3) | β_d | β_{HS} (Note 1) | β_{ec} | β_{ed} (2xSF2) (Note 4) | β_{ed} (2xSF4) (Note 4) | CM (dB) (Note 2) | MPR (dB) (Note 2) | AG Index (Note 4) | E-TFCI (Note 5) | E-TFCI (boost) |
|----------|--------------------|-----------|-----------------------|--------------|--|--|------------------|-------------------|-------------------|-----------------|----------------|
| 1 | 1 | 0 | 30/15 | 30/15 | $\beta_{ed1}: 30/15$ $\beta_{ed2}: 30/15$ | $\beta_{ed3}: 24/15$ $\beta_{ed4}: 24/15$ | 3.5 | 2.5 | 14 | 105 | 105 |

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.
Note 2: CM = 3.5 and the MPR is based on the relative CM difference, MPR = MAX(CM-1,0).
Note 3: DPDCCH is not configured, therefore the β_c is set to 1 and $\beta_d = 0$ by default.
Note 4: β_{ed} can not be set directly; it is set by Absolute Grant Value.
Note 5: All the sub-tests require the UE to transmit 2SF2+2SF4 16QAM EDCH and they apply for UE using E-DPDCH category 7. E-DCH TTI is set to 2ms TTI and E-DCH table index = 2. To support these E-DCH configurations DPDCCH is not allocated. The UE is signalled to use the extrapolation algorithm.

5. The 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable. Since the maximum output power in a secondary mode (DC-HSDPA) is $\leq 1/4$ dB higher than the primary mode (WCDMA), SAR measurement is not required for the secondary mode (DC-HSDPA). The

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following tests were completed according to procedures in section 7.3.13 of 3GPP TS 34.108 v9.5.0. A summary of these setting are illustrated below:

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122

Table C.8.1.12: Fixed Reference Channel H-Set 12

| Parameter | Unit | Value |
|--|-----------|-------|
| Nominal Avg. Inf. Bit Rate | kbps | 60 |
| Inter-TTI Distance | TTI's | 1 |
| Number of HARQ Processes | Processes | 6 |
| Information Bit Payload (N_{INF}) | Bits | 120 |
| Number Code Blocks | Blocks | 1 |
| Binary Channel Bits Per TTI | Bits | 960 |
| Total Available SML's in UE | SML's | 19200 |
| Number of SML's per HARQ Proc. | SML's | 3200 |
| Coding Rate | | 0.15 |
| Number of Physical Channel Codes | Codes | 1 |
| Modulation | | QPSK |
| Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table. | | |
| Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used. | | |

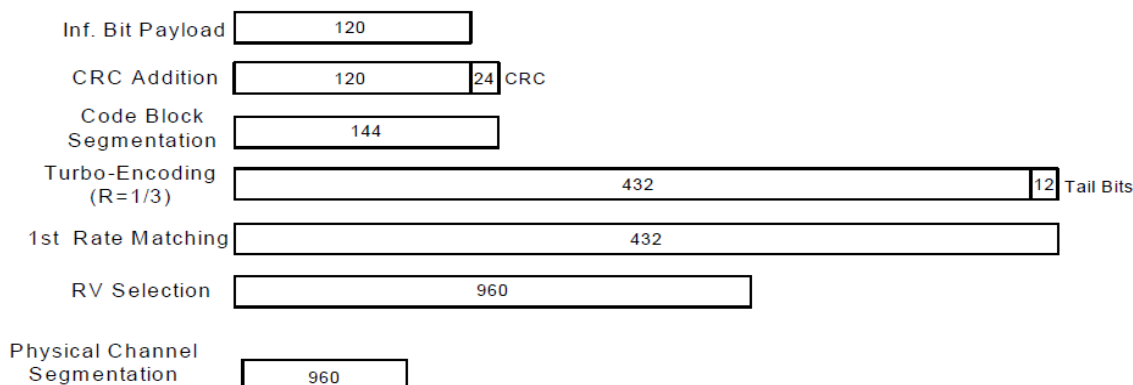


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

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| Sub-test | β_c | β_d | β_d (SF) | β_c/β_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: Δ_{ACK} , Δ_{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, Δ_{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 DPDCCH, 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 β_c/β_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. 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.

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d. Per Section 5.2.4, Higher order modulations

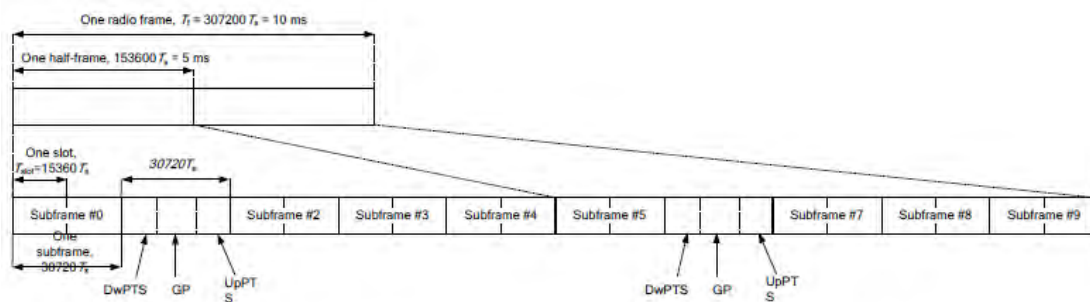
- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ 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 $> \frac{1}{2}$ 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 7. 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. According to KDB 941225 D05, SAR testing for TDD LTE must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

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3GPP TS 36.211 Figure 4.2-1: Frame Structure Type 2

| Special Subframe Configuration | Normal Cyclic Prefix in Downlink | | | Extended Cyclic Prefix in Downlink | | |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
| | DwPTS | UpPTS | | DwPTS | UpPTS | |
| | | Normal Cyclic Prefix in Uplink | Extended Cyclic Prefix in Uplink | | Normal Cyclic Prefix in Uplink | Extended Cyclic Prefix in Uplink |
| 0 | 6592 • Ts | 2192 • Ts | 2560 • Ts | 7680 • Ts | 2192 • Ts | 2560 • Ts |
| 1 | 19760 • Ts | | | 20480 • Ts | | |
| 2 | 21952 • Ts | | | 23040 • Ts | | |
| 3 | 24144 • Ts | | | 25600 • Ts | | |
| 4 | 26336 • Ts | | | 7680 • Ts | 4384 • Ts | 5120 • Ts |
| 5 | 6592 • Ts | 20480 • Ts | | | | |
| 6 | 19760 • Ts | 23040 • Ts | | | | |
| 7 | 21952 • Ts | 12800 • Ts | | | | |
| 8 | 24144 • Ts | 4384 • Ts | 5120 • Ts | - | - | - |
| 9 | 13168 • Ts | | | - | - | - |

3GPP TS 36.211 Table 4.2-1: Configuration of Special Subframe

| Uplink-Downlink Configuration | Downlink-to-Uplink Switch-Point Periodicity | Subframe Number | | | | | | | | | |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 5 ms | D | S | U | U | U | D | S | U | U | U |
| 1 | 5 ms | D | S | U | U | D | D | S | U | U | D |
| 2 | 5 ms | D | S | U | D | D | D | S | U | D | D |
| 3 | 10 ms | D | S | U | U | U | D | D | D | D | D |
| 4 | 10 ms | D | S | U | U | D | D | D | D | D | D |
| 5 | 10 ms | D | S | U | D | D | D | D | D | D | D |
| 6 | 5 ms | D | S | U | U | U | D | S | U | U | D |

3GPP TS 36.211 Table 4.2-2: Uplink-Downlink Configurations

The uplink duty cycle of these seven configurations can be computed as below.

| UL-DL Configuration | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Highest Duty-Cycle | 63.33% | 43.33% | 23.33% | 31.67% | 21.67% | 11.67% | 53.33% |

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 7 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

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LTE downlink CA (KDB942225 D05A)

7. The device supports a maximum of 5 carriers in the downlink. All uplink communications are identical to the Release 8 specifications. Uplink maximum output power is measured with downlink carrier aggregation active, only for the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than $\frac{1}{4}$ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
8. The downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements. The nominal channel spacing is determined by $[BW1 + BW2 - 0.1 \cdot |BW1 - BW2|]/2$ MHz, where BW1 and BW2 are the channel bandwidths of the CC in a 2-CC aggregation configuration.
9. The downlink PCC channel should be paired with the uplink channel according to normal configurations, as if there is no carrier aggregation. The downlink SCC should be adjacent to the PCC and remain within the downlink transmission band for contiguous intra-band CA. For non-contiguous intra-band CA, the SCC should be selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band. For inter-band CA, the SCC should be near the middle of its transmission band.
10. When downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than $\frac{1}{4}$ dB higher than the maximum output power measured when downlink carrier aggregation inactive, so SAR evaluation is not required for downlink carrier aggregation.
11. 802.11b DSSS SAR Test Requirements:
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

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DSSS in that exposure configuration.

12. 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:

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

Initial Test Configuration:

14. An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band.
15. 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.
16. When 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.
17. BT and WLAN Tx1 use the same antenna path, but they can't transmit at the same time.
18. According to KDB447498 D01, 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 ≤ 100 MHz.
19. According to KDB865664 D01, 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)

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20.SAR test exclusion evaluation (based on KDB447498D01v06) for surfaces /edges of tablet mode is evaluated as below.

| Mode | Max. tune-up power(dBm) | Max. tune-up power(mW) | Back side | | | | | Top side | | | | | Bottom side | | | | |
|------------------|-------------------------|------------------------|-------------------------------|-------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|----------------------|----------------------|----------------------|
| | | | Test separation distance (mm) | Calculation value | Exclusion thresholds | Require SAR testing? | Estimated SAR (W/kg) | Test separation distance (mm) | Calculation value | Exclusion thresholds | Require SAR testing? | Estimated SAR (W/kg) | Test separation distance (mm) | Calculation value | Exclusion thresholds | Require SAR testing? | Estimated SAR (W/kg) |
| WLAN Tx1 2.45GHz | 20 | 100.000 | 7.85 | 20.029 | 3.000 | YES | - | Less than 5 | 31.445 | 3.000 | YES | - | 224.9 | >20cm | >20cm | NO | - |
| WLAN Tx2 2.45GHz | 19 | 79.433 | 7.85 | 15.909 | 3.000 | YES | - | Less than 5 | 24.978 | 3.000 | YES | - | 224.9 | >20cm | >20cm | NO | - |
| WLAN Tx1 5GHz | 19 | 79.433 | 7.85 | 24.422 | 3.000 | YES | - | Less than 5 | 38.342 | 3.000 | YES | - | 224.9 | >20cm | >20cm | NO | - |
| WLAN Tx2 5GHz | 18.5 | 70.795 | 7.85 | 21.766 | 3.000 | YES | - | Less than 5 | 34.173 | 3.000 | YES | - | 224.9 | >20cm | >20cm | NO | - |
| Bluetooth | 11 | 12.589 | 7.85 | 2.526 | 3.000 | NO | 0.337 | Less than 5 | 3.965 | 3.000 | YES | - | 224.9 | >20cm | >20cm | NO | - |
| WCDMA B2 | 24.5 | 281.838 | 20 | 19.475 | 3.000 | YES | - | 16.18 | 24.073 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| WCDMA B4 | 24.5 | 281.838 | 20 | 18.668 | 3.000 | YES | - | 16.18 | 23.076 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| WCDMA B5 | 24.5 | 281.838 | 20 | 12.984 | 3.000 | YES | - | 16.18 | 16.050 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 2 | 24 | 251.189 | 20 | 17.357 | 3.000 | YES | - | 16.18 | 21.455 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 4 | 24 | 251.189 | 20 | 16.638 | 3.000 | YES | - | 16.18 | 20.566 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 5 | 25 | 316.228 | 20 | 14.569 | 3.000 | YES | - | 16.18 | 18.006 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 7 | 24 | 251.189 | 20 | 20.134 | 3.000 | YES | - | 16.18 | 24.888 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 12 | 24 | 251.189 | 20 | 10.627 | 3.000 | YES | - | 16.18 | 13.136 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 13 | 24 | 251.189 | 20 | 11.142 | 3.000 | YES | - | 16.18 | 13.772 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 14 | 24 | 251.189 | 20 | 11.219 | 3.000 | YES | - | 16.18 | 13.868 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 17 | 24 | 251.189 | 20 | 10.627 | 3.000 | YES | - | 16.18 | 13.136 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 25 | 24 | 251.189 | 20 | 17.380 | 3.000 | YES | - | 16.18 | 21.484 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 26 | 25 | 316.228 | 20 | 14.569 | 3.000 | YES | - | 16.18 | 18.006 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 30 | 23 | 199.526 | 20 | 15.179 | 3.000 | YES | - | 16.18 | 18.763 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 38 | 24 | 251.189 | 20 | 20.329 | 3.000 | YES | - | 16.18 | 25.129 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 41 | 25 | 316.228 | 20 | 25.933 | 3.000 | YES | - | 16.18 | 32.055 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |
| LTE Band 66 | 24 | 251.189 | 20 | 16.756 | 3.000 | YES | - | 16.18 | 20.712 | 3.000 | YES | - | 214.245 | >20cm | >20cm | NO | - |

| Mode | Max. tune-up power(dBm) | Max. tune-up power(mW) | Right side | | | | | Left side | | | | |
|------------------|-------------------------|------------------------|-------------------------------|-------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|----------------------|----------------------|----------------------|
| | | | Test separation distance (mm) | Calculation value | Exclusion thresholds | Require SAR testing? | Estimated SAR (W/kg) | Test separation distance (mm) | Calculation value | Exclusion thresholds | Require SAR testing? | Estimated SAR (W/kg) |
| WLAN Tx1 2.45GHz | 20 | 100.000 | 92.13 | 424.445 | 516.704 | NO | 0.400 | 167.93 | 1182.445 | 1274.704 | NO | 0.400 |
| WLAN Tx2 2.45GHz | 19 | 79.433 | 167.93 | 1181.798 | 1274.704 | NO | 0.400 | 92.13 | 423.798 | 516.704 | NO | 0.400 |
| WLAN Tx1 5GHz | 19 | 79.433 | 92.13 | 425.134 | 483.450 | NO | 0.400 | 167.93 | 1183.134 | 1241.450 | NO | 0.400 |
| WLAN Tx2 5GHz | 18.5 | 70.795 | 167.93 | 1182.717 | 1241.450 | NO | 0.400 | 92.13 | 424.717 | 483.450 | NO | 0.400 |
| Bluetooth | 11 | 12.589 | 167.93 | 1179.697 | 1274.550 | NO | 0.400 | 92.13 | 421.697 | 516.550 | NO | 0.400 |
| WCDMA B2 | 24.5 | 281.838 | 16.25 | 23.970 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| WCDMA B4 | 24.5 | 281.838 | 16.25 | 22.977 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| WCDMA B5 | 24.5 | 281.838 | 16.25 | 15.981 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 2 | 24 | 251.189 | 16.25 | 21.363 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 4 | 24 | 251.189 | 16.25 | 20.478 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 5 | 25 | 316.228 | 16.25 | 17.931 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 7 | 24 | 251.189 | 16.25 | 24.781 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 12 | 24 | 251.189 | 16.25 | 13.080 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 13 | 24 | 251.189 | 16.25 | 13.713 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 14 | 24 | 251.189 | 16.25 | 13.809 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 17 | 24 | 251.189 | 16.25 | 13.080 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 25 | 24 | 251.189 | 16.25 | 21.391 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 26 | 25 | 316.228 | 16.25 | 17.931 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 30 | 23 | 199.526 | 16.25 | 18.682 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 38 | 24 | 251.189 | 16.25 | 25.021 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 41 | 25 | 316.228 | 16.25 | 31.917 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |
| LTE Band 66 | 24 | 251.189 | 16.25 | 20.623 | 3.000 | YES | - | 228.81 | >20cm | >20cm | NO | - |

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1.6 Triggering verification for power reduction

The device is a convertible laptop computer with WWAN/WLAN/BT feature.

Based on KDB inquiry, there are the hall sensors in the device, and the sensors can detect the operation mode transformation and then adjust the maximum power accordingly.

There are three hall sensors and corresponding hall sensor magnets in this device, and hall sensors on/off state will be decided based on the magnetic field change. When the hall sensor state change, there will be a sensor event notification/command happened then cause the corresponding WLAN TX power setting.

For the verification testing of power reduction mechanisms, the measured conducted output power is monitored qualitatively to identify the triggering characteristics and recorded quantitatively.

When the device is operated in the notebook mode / media mode, the power reduction will not be triggered, but when it is operating in the tablet mode, the power reduction will be triggered. Besides, the power reduction is a single fixed level of power reduction. (The power reduction is for WLAN only.)

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1.6.1 Results and conclusion

The measured output power versus lid angle is tabulated in the following table based on 2019-11 TCB workshop, and the triggering verification complies with the device mode / power level declared by the manufacturer.

Verification Testing of Power for Notebook mode

| Antenna | Operation mode | Lid angle | 802.11b | 802.11a 5.2G | 802.11a 5.3G | 802.11n(40M) 5.6G | 802.11n(40M) 5.8G |
|---------|----------------|-----------|---------|--------------|--------------|-------------------|-------------------|
| Tx1 | Lid close | 0° | n/a | n/a | n/a | n/a | n/a |
| | | 10° | n/a | n/a | n/a | n/a | n/a |
| | | 20° | n/a | n/a | n/a | n/a | n/a |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | NB mode | 40° | 19.97 | 18.92 | 18.96 | 16.89 | 16.32 |
| | | 35° | 19.98 | 18.99 | 18.95 | 16.95 | 16.38 |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | | 31° | n/a | n/a | n/a | n/a | n/a |
| | Lid close | 32° | n/a | n/a | n/a | n/a | n/a |
| | | 33° | n/a | n/a | n/a | n/a | n/a |
| | | 34° | n/a | n/a | n/a | n/a | n/a |
| | NB mode | 35° | 19.95 | 18.85 | 18.83 | 16.98 | 16.40 |
| | | 36° | 19.82 | 18.83 | 18.84 | 16.92 | 16.44 |
| | | 37° | 19.97 | 18.89 | 18.84 | 16.89 | 16.38 |
| | | 38° | 19.97 | 18.83 | 18.98 | 16.91 | 16.50 |
| | | 39° | 20.00 | 18.95 | 18.82 | 16.97 | 16.43 |
| | | 40° | 19.86 | 18.96 | 18.89 | 16.81 | 16.41 |
| | | 50° | 19.88 | 18.94 | 18.89 | 16.83 | 16.32 |
| | | 60° | 19.89 | 18.87 | 18.90 | 16.92 | 16.39 |
| | | 70° | 19.87 | 18.87 | 18.95 | 16.95 | 16.31 |
| | | 80° | 19.83 | 18.87 | 18.81 | 16.85 | 16.47 |
| | | 90° | 19.89 | 19.00 | 18.93 | 16.88 | 16.48 |
| | | 100° | 19.93 | 18.94 | 18.90 | 16.99 | 16.44 |
| | | 110° | 19.98 | 18.87 | 18.88 | 16.91 | 16.36 |
| | | 120° | 19.87 | 18.85 | 18.99 | 16.82 | 16.46 |
| | | 130° | 20.00 | 18.86 | 18.82 | 16.97 | 16.38 |
| | | 135° | 19.89 | 18.82 | 18.93 | 16.87 | 16.47 |
| | NB mode | 135° | 19.99 | 18.92 | 18.97 | 16.86 | 16.50 |
| | | 125° | 19.82 | 18.81 | 18.82 | 16.93 | 16.47 |
| | | 115° | 19.85 | 18.96 | 18.82 | 16.98 | 16.38 |
| | | 105° | 19.92 | 18.82 | 18.96 | 16.90 | 16.37 |
| | | 95° | 19.82 | 18.85 | 18.91 | 16.99 | 16.49 |
| | | 85° | 19.87 | 18.88 | 18.81 | 16.99 | 16.36 |
| | | 75° | 19.98 | 18.81 | 18.87 | 16.98 | 16.49 |
| | | 65° | 19.99 | 18.90 | 18.92 | 16.84 | 16.38 |
| | | 55° | 19.92 | 18.89 | 18.81 | 16.94 | 16.50 |
| | | 45° | 19.93 | 18.96 | 18.86 | 16.95 | 16.48 |
| | | 35° | 19.94 | 18.89 | 18.86 | 16.91 | 16.38 |
| | Lid close | 25° | n/a | n/a | n/a | n/a | n/a |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | NB mode | 35° | 19.82 | 18.82 | 18.98 | 16.85 | 16.42 |
| | | 34° | n/a | n/a | n/a | n/a | n/a |
| | Lid close | 33° | n/a | n/a | n/a | n/a | n/a |
| | | 32° | n/a | n/a | n/a | n/a | n/a |
| | | 31° | n/a | n/a | n/a | n/a | n/a |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | | 20° | n/a | n/a | n/a | n/a | n/a |
| | | 10° | n/a | n/a | n/a | n/a | n/a |
| | | 0° | n/a | n/a | n/a | n/a | n/a |

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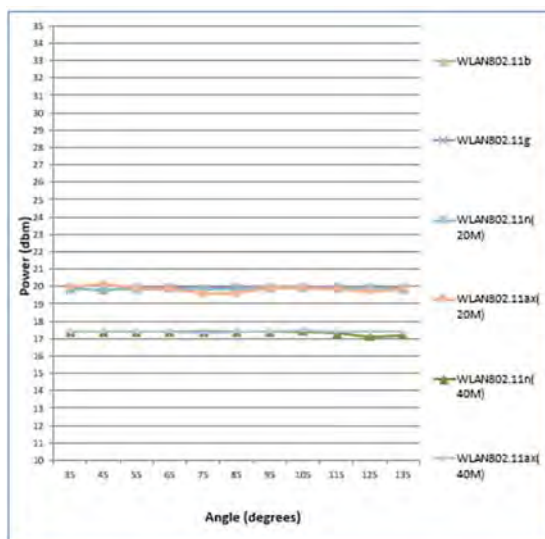
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| Antenna | Operation mode | Lid angle | 802.11b | 802.11a 5.2G | 802.11n(40M) 5.3G | 802.11n(40M) 5.6G | 802.11n(40M) 5.8G |
|---------|----------------|-----------|---------|--------------|-------------------|-------------------|-------------------|
| Tx2 | Lid close | 0° | n/a | n/a | n/a | n/a | n/a |
| | | 10° | n/a | n/a | n/a | n/a | n/a |
| | | 20° | n/a | n/a | n/a | n/a | n/a |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | NB mode | 40° | 18.81 | 18.39 | 17.96 | 16.95 | 16.83 |
| | | 35° | 18.96 | 18.33 | 17.94 | 16.83 | 17.00 |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | | 31° | n/a | n/a | n/a | n/a | n/a |
| | Lid close | 32° | n/a | n/a | n/a | n/a | n/a |
| | | 33° | n/a | n/a | n/a | n/a | n/a |
| | | 34° | n/a | n/a | n/a | n/a | n/a |
| | | 35° | 18.90 | 18.34 | 17.97 | 16.97 | 16.93 |
| | NB mode | 36° | 18.87 | 18.45 | 17.90 | 16.94 | 16.97 |
| | | 37° | 18.89 | 18.34 | 17.91 | 16.99 | 16.85 |
| | | 38° | 18.93 | 18.46 | 17.81 | 16.86 | 16.85 |
| | | 39° | 18.94 | 18.39 | 17.82 | 16.87 | 16.82 |
| | | 40° | 18.88 | 18.49 | 18.00 | 16.85 | 16.97 |
| | | 50° | 18.93 | 18.48 | 17.85 | 16.92 | 17.00 |
| | | 60° | 18.93 | 18.50 | 17.82 | 16.84 | 16.86 |
| | | 70° | 18.92 | 18.41 | 17.82 | 16.85 | 16.95 |
| | | 80° | 18.81 | 18.41 | 17.85 | 16.91 | 16.85 |
| | | 90° | 18.97 | 18.40 | 17.85 | 16.96 | 16.97 |
| | | 100° | 18.98 | 18.44 | 17.97 | 16.92 | 16.99 |
| | | 110° | 18.92 | 18.33 | 17.99 | 16.88 | 16.89 |
| | | 120° | 18.86 | 18.36 | 17.81 | 16.85 | 16.96 |
| | | 130° | 18.91 | 18.31 | 17.87 | 16.95 | 16.89 |
| | | 135° | 18.81 | 18.39 | 17.83 | 16.86 | 17.00 |
| | NB mode | 135° | 18.90 | 18.44 | 17.86 | 16.95 | 16.95 |
| | | 125° | 18.82 | 18.33 | 17.93 | 16.91 | 16.88 |
| | | 115° | 18.81 | 18.37 | 17.84 | 16.83 | 16.95 |
| | | 105° | 18.94 | 18.31 | 17.92 | 16.97 | 16.83 |
| | | 95° | 18.96 | 18.40 | 17.90 | 16.86 | 16.95 |
| | | 85° | 18.98 | 18.36 | 17.82 | 16.99 | 16.85 |
| | | 75° | 18.87 | 18.34 | 17.88 | 16.86 | 16.88 |
| | | 65° | 18.82 | 18.32 | 17.91 | 16.97 | 17.00 |
| | | 55° | 18.85 | 18.32 | 17.96 | 16.84 | 16.99 |
| | | 45° | 18.92 | 18.33 | 17.86 | 16.84 | 16.89 |
| | | 35° | 18.95 | 18.44 | 17.99 | 16.88 | 16.95 |
| | | 25° | n/a | n/a | n/a | n/a | n/a |
| | Lid close | 30° | n/a | n/a | n/a | n/a | n/a |
| | NB mode | 35° | 18.95 | 18.33 | 17.98 | 16.87 | 16.89 |
| | | 34° | n/a | n/a | n/a | n/a | n/a |
| | Lid close | 33° | n/a | n/a | n/a | n/a | n/a |
| | | 32° | n/a | n/a | n/a | n/a | n/a |
| | | 31° | n/a | n/a | n/a | n/a | n/a |
| | | 30° | n/a | n/a | n/a | n/a | n/a |
| | | 20° | n/a | n/a | n/a | n/a | n/a |
| | | 10° | n/a | n/a | n/a | n/a | n/a |
| | | 0° | n/a | n/a | n/a | n/a | n/a |

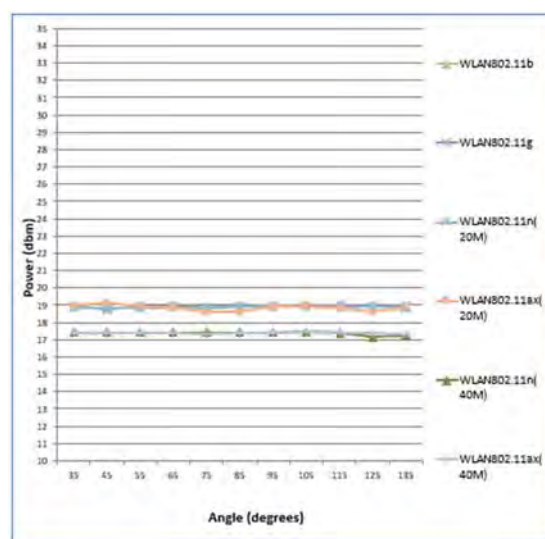
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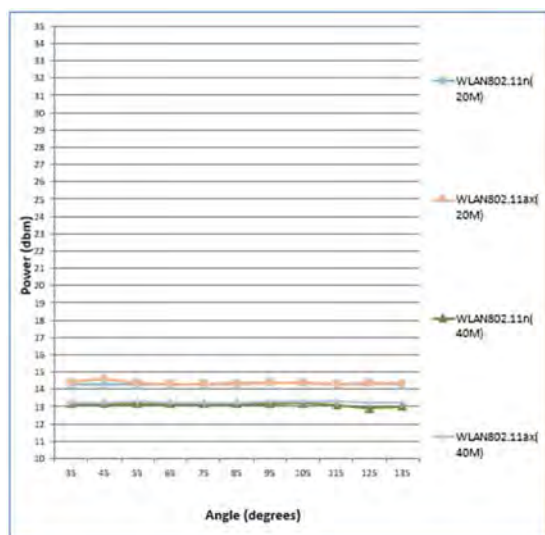
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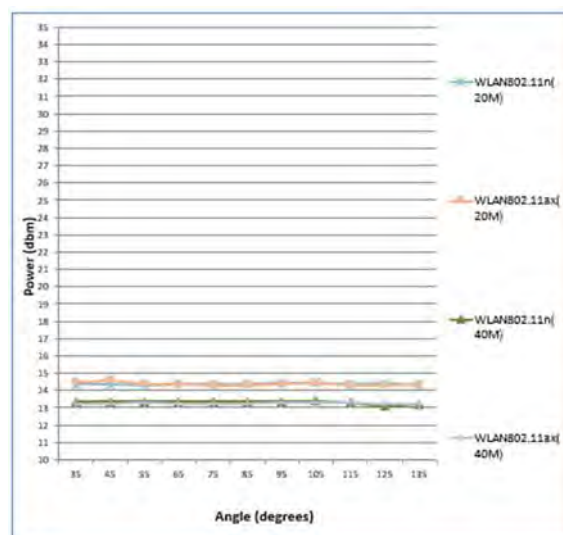
2.4GHz Tx1(SISO)



2.4GHz Tx2(SISO)



2.4GHz Tx1(MIMO)

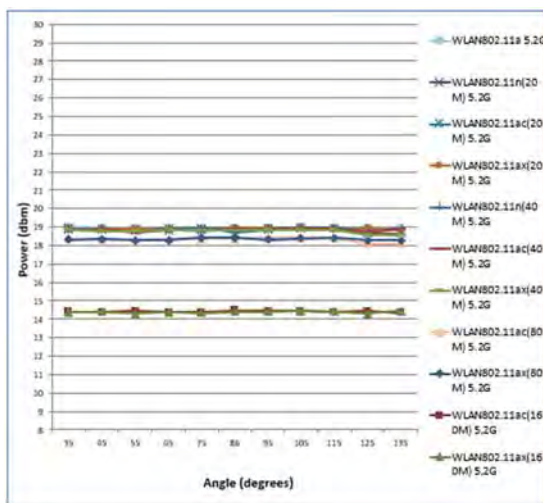


2.4GHz Tx2(MIMO)

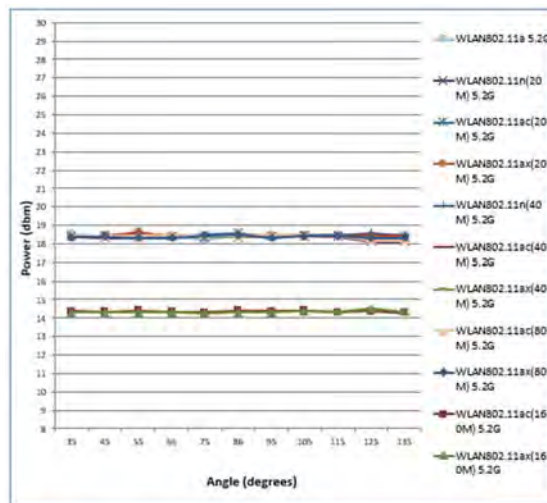
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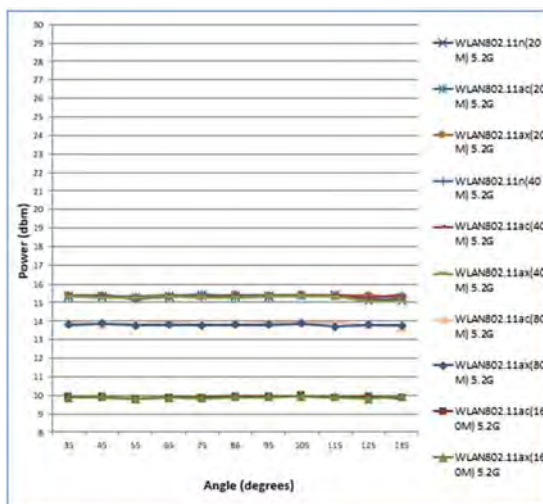
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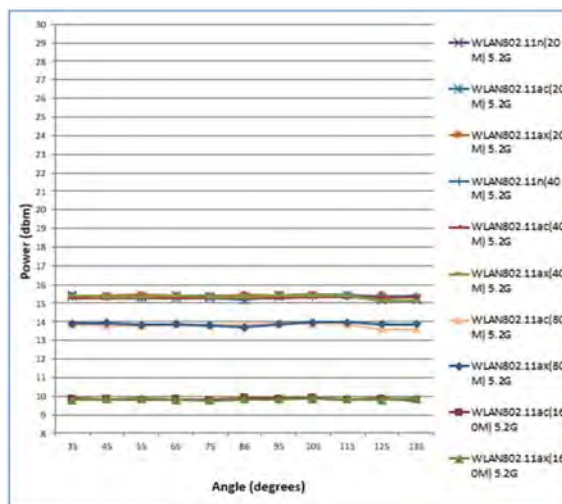
5.2GHz Tx1(SISO)



5.2GHz Tx2(SISO)



5.2GHz Tx1 (MIMO)

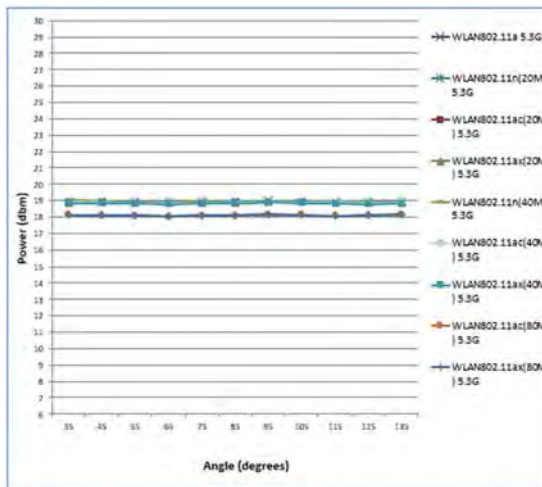


5.2GHz Tx2(MIMO)

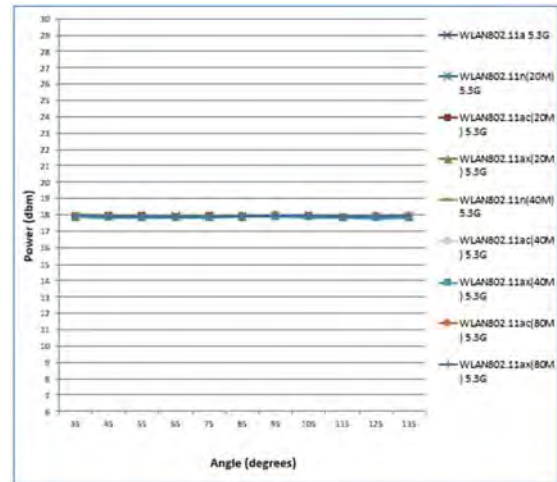
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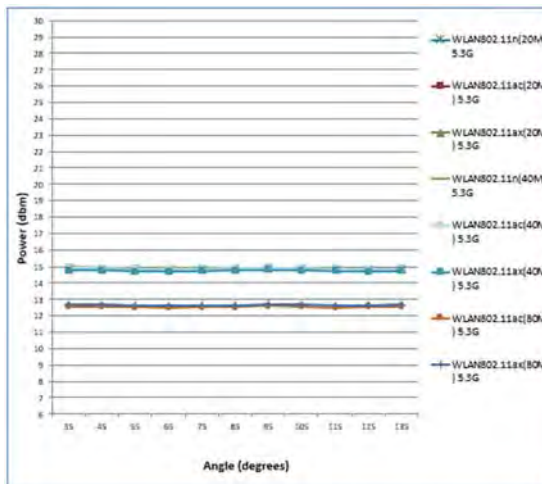
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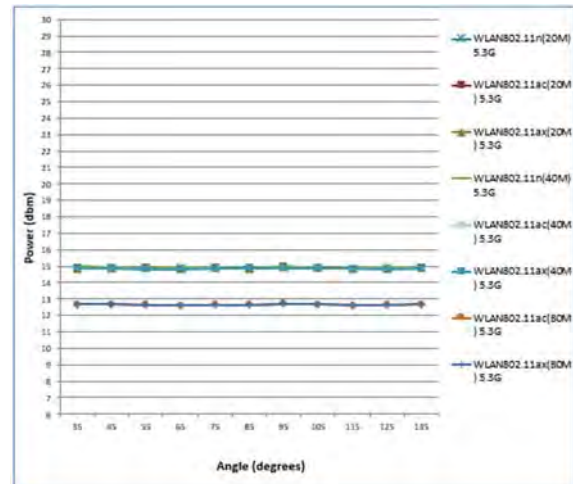
5.3GHz Tx1(SISO)



5.3GHz Tx2(SISO)



5.3GHz Tx1(MIMO)

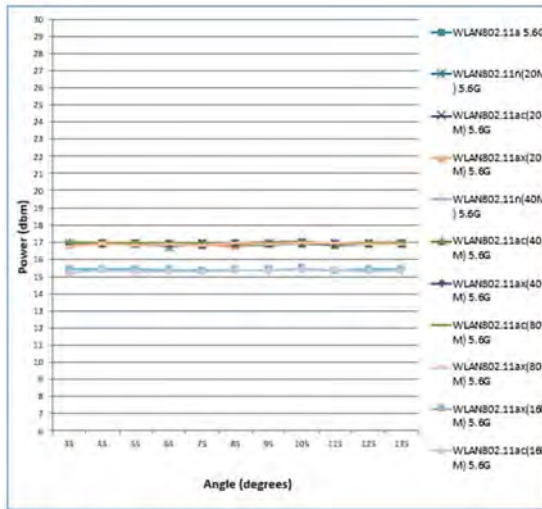


5.3GHz Tx2(MIMO)

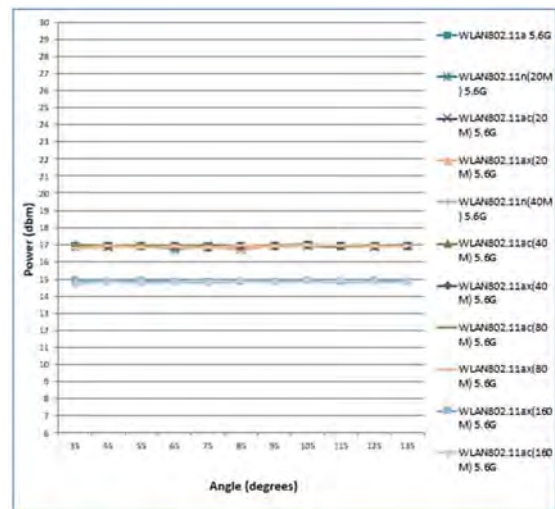
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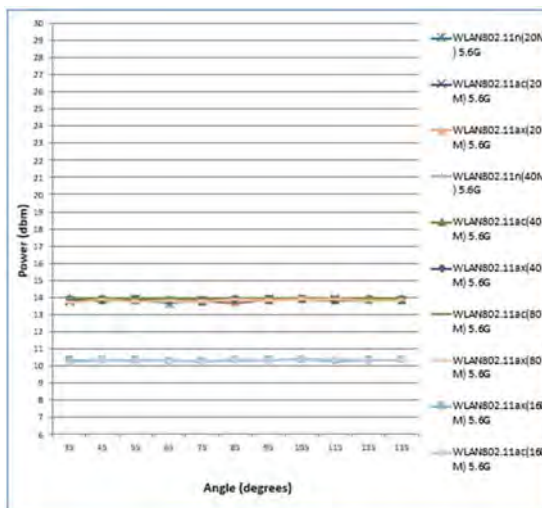
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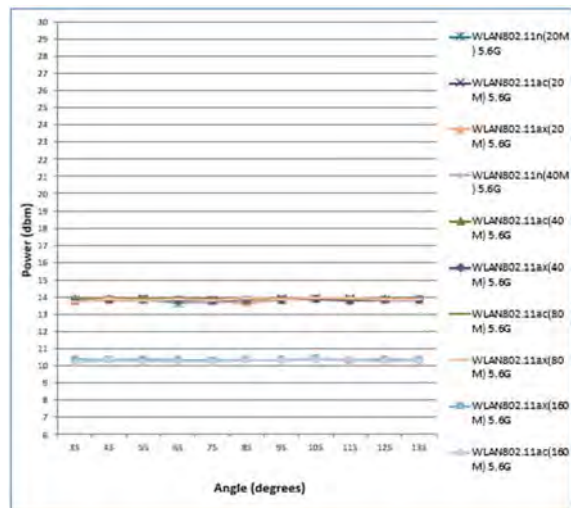
5.6GHz Tx1(SISO)



5.6GHz Tx2(SISO)



5.6GHz Tx1(MIMO)

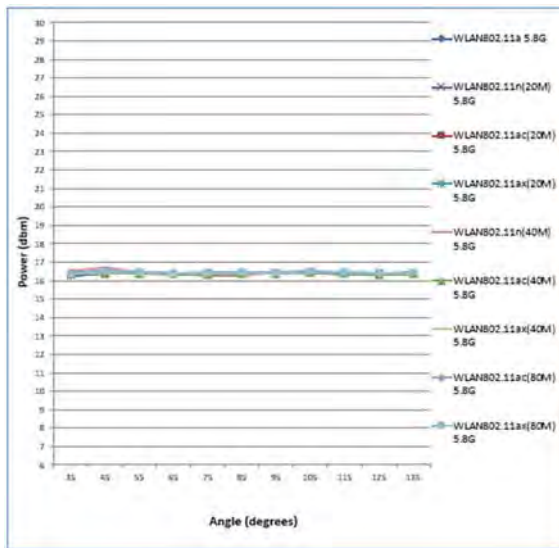


5.6GHz Tx2(MIMO)

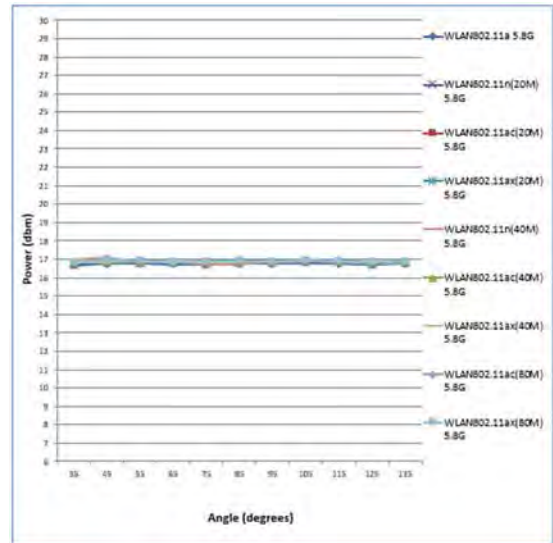
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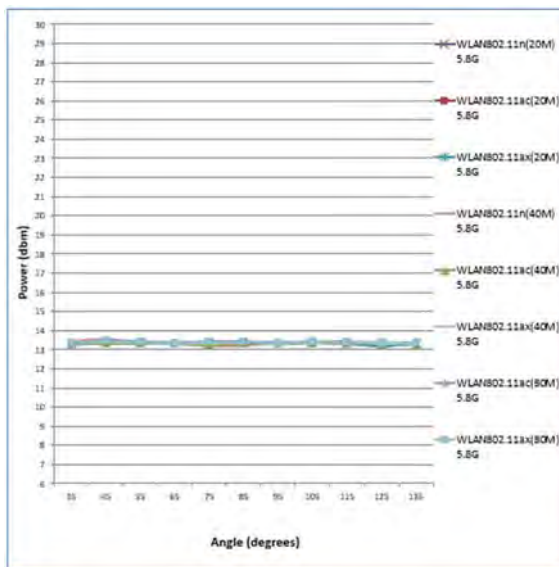
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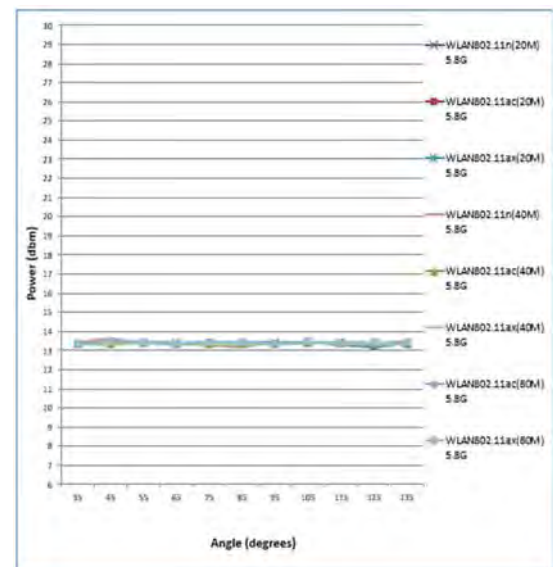
5.8GHz Tx1(SISO)



5.8GHz Tx2(SISO)



5.8GHz Tx1(MIMO)



5.8GHz Tx2(MIMO)

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Verification Testing of Power for Media mode and Tablet mode

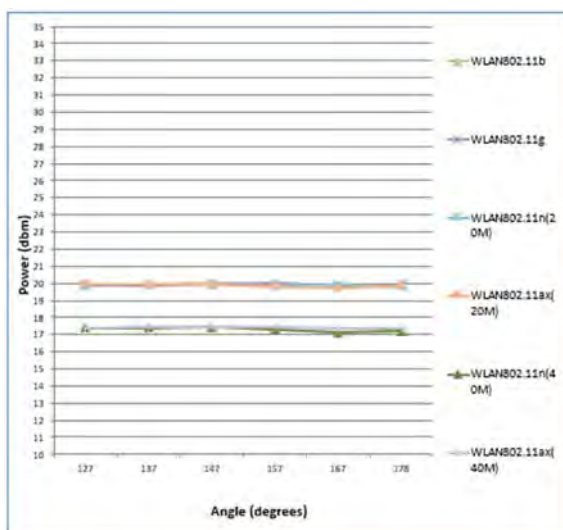
| Antenna | Operation mode | Lid angle | 802.11b | 802.11a 5.2G | 802.11a 5.3G | 802.11n(40M) 5.6G | 802.11n(40M) 5.8G |
|---------|----------------|-----------|---------|--------------|--------------|-------------------|-------------------|
| Tx1 | Media mode | 127° | 19.96 | 18.89 | 18.91 | 16.88 | 16.36 |
| | | 137° | 19.81 | 18.92 | 18.91 | 16.81 | 16.44 |
| | | 147° | 19.84 | 18.87 | 18.98 | 16.90 | 16.34 |
| | | 157° | 19.86 | 18.96 | 18.95 | 16.86 | 16.34 |
| | | 167° | 19.99 | 18.89 | 18.90 | 16.85 | 16.45 |
| | | 177° | 19.88 | 18.86 | 18.91 | 16.96 | 16.34 |
| | Tablet mode | 178° | 19.99 | 14.85 | 14.96 | 13.40 | 12.94 |
| | | 173° | 19.98 | 19.00 | 18.94 | 16.92 | 16.34 |
| | Media mode | 174° | 19.90 | 18.91 | 18.90 | 16.85 | 16.43 |
| | | 175° | 19.94 | 18.83 | 18.94 | 16.98 | 16.35 |
| | | 176° | 19.81 | 18.83 | 18.81 | 16.90 | 16.39 |
| | | 177° | 19.92 | 18.99 | 18.84 | 17.00 | 16.31 |
| | | 178° | 19.97 | 14.93 | 14.90 | 13.34 | 12.92 |
| | Media mode | 168° | 19.99 | 18.97 | 18.96 | 16.99 | 16.50 |
| | | 173° | 19.95 | 18.92 | 18.88 | 16.85 | 16.40 |
| | Tablet mode | 178° | 19.84 | 14.85 | 14.96 | 13.35 | 12.91 |
| | | 177° | 19.97 | 18.92 | 18.90 | 16.88 | 16.35 |
| | Media mode | 176° | 19.89 | 18.81 | 18.92 | 16.96 | 16.50 |
| | | 175° | 19.99 | 18.93 | 18.90 | 16.94 | 16.32 |
| | | 174° | 19.99 | 18.81 | 18.96 | 16.88 | 16.36 |
| | | 173° | 19.93 | 18.85 | 18.82 | 16.82 | 16.50 |
| | | 163° | 19.97 | 18.82 | 18.92 | 17.00 | 16.35 |
| | | 153° | 19.85 | 18.88 | 18.84 | 16.95 | 16.42 |
| | | 143° | 19.97 | 18.86 | 18.85 | 16.98 | 16.35 |
| | | 133° | 19.90 | 18.94 | 18.91 | 17.00 | 16.48 |
| | | 127° | 19.88 | 18.86 | 18.96 | 16.87 | 16.43 |

| Antenna | Operation mode | Lid angle | 802.11b | 802.11a 5.2G | 802.11n(40M) 5.3G | 802.11n(40M) 5.6G | 802.11n(40M) 5.8G |
|---------|----------------|-----------|---------|--------------|-------------------|-------------------|-------------------|
| Tx2 | Media mode | 127° | 18.84 | 18.41 | 18.00 | 16.84 | 16.82 |
| | | 137° | 18.89 | 18.48 | 17.99 | 17.00 | 16.84 |
| | | 147° | 18.95 | 18.40 | 17.88 | 16.91 | 16.89 |
| | | 157° | 18.81 | 18.50 | 17.87 | 17.00 | 16.81 |
| | | 167° | 18.98 | 18.45 | 17.90 | 16.94 | 16.94 |
| | | 177° | 18.92 | 18.33 | 17.95 | 17.00 | 16.96 |
| | Tablet mode | 178° | 17.84 | 13.92 | 13.35 | 13.34 | 15.48 |
| | | 173° | 18.99 | 18.37 | 18.00 | 16.87 | 16.95 |
| | Media mode | 174° | 18.85 | 18.36 | 17.82 | 16.83 | 16.85 |
| | | 175° | 18.98 | 18.41 | 17.94 | 16.85 | 16.90 |
| | | 176° | 18.85 | 18.50 | 17.89 | 16.91 | 16.89 |
| | | 177° | 18.90 | 18.45 | 17.90 | 16.82 | 16.97 |
| | | 178° | 18.00 | 13.93 | 13.49 | 13.45 | 15.31 |
| | Media mode | 168° | 18.97 | 18.47 | 17.96 | 16.90 | 16.82 |
| | | 173° | 18.84 | 18.34 | 17.94 | 16.94 | 16.89 |
| | Tablet mode | 178° | 17.99 | 14.00 | 13.50 | 13.38 | 15.40 |
| | | 177° | 18.94 | 18.46 | 17.96 | 16.93 | 16.92 |
| | Media mode | 176° | 18.90 | 18.45 | 17.84 | 16.98 | 16.87 |
| | | 175° | 18.85 | 18.46 | 17.94 | 16.96 | 16.95 |
| | | 174° | 18.90 | 18.46 | 17.98 | 16.86 | 16.93 |
| | | 173° | 18.85 | 18.33 | 17.96 | 16.82 | 16.98 |
| | | 163° | 18.93 | 18.49 | 17.84 | 16.92 | 16.84 |
| | | 153° | 18.88 | 18.46 | 17.97 | 16.92 | 16.89 |
| | | 143° | 18.81 | 18.38 | 17.88 | 16.95 | 16.90 |
| | | 133° | 18.95 | 18.42 | 17.93 | 16.98 | 16.97 |
| | | 127° | 18.94 | 18.43 | 18.00 | 16.94 | 16.96 |

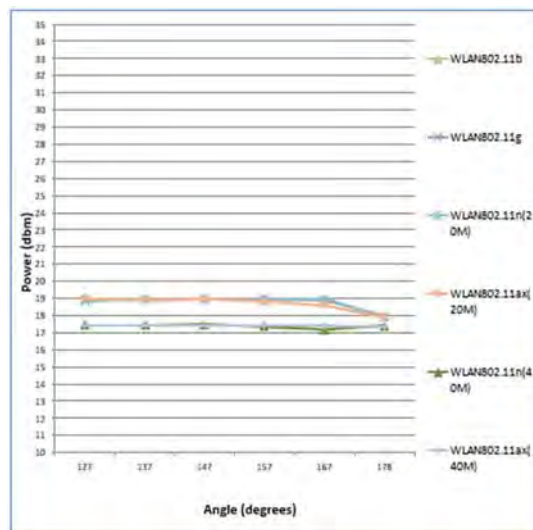
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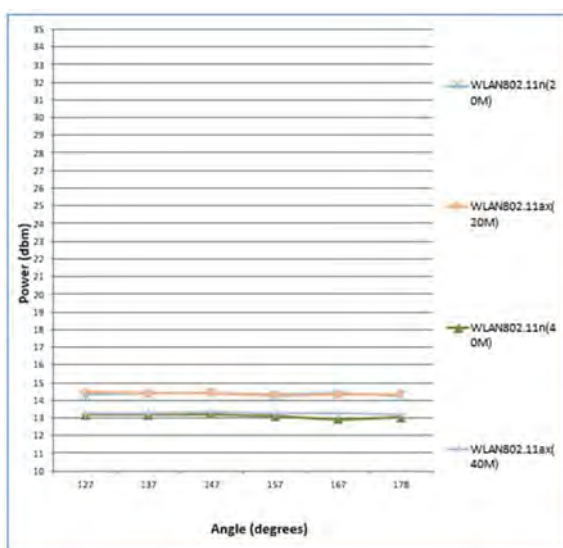
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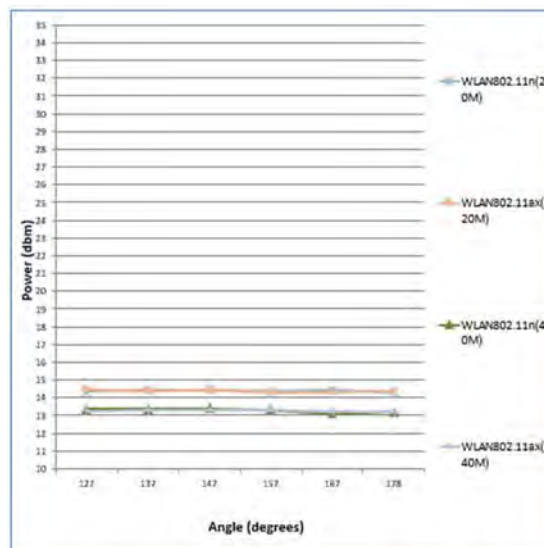
2.4GHz Tx1(SISO)



2.4GHz Tx2(SISO)



2.4GHz Tx1(MIMO)

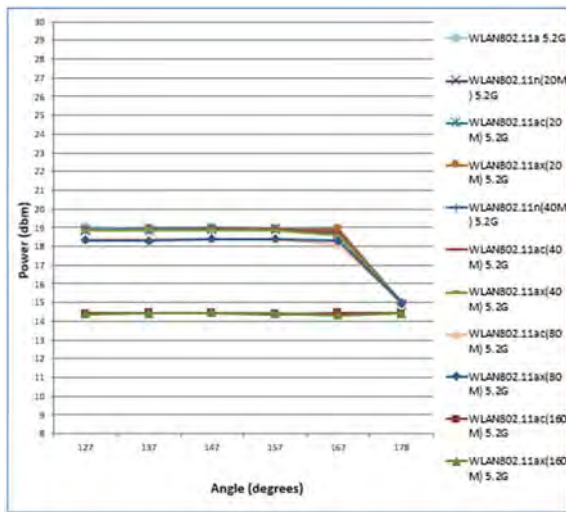


2.4GHz Tx2(MIMO)

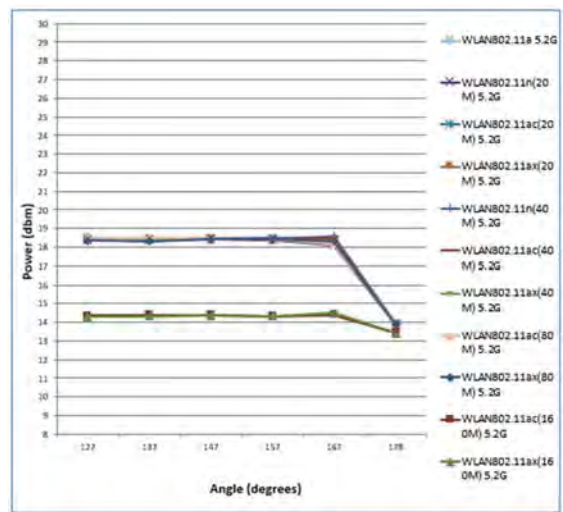
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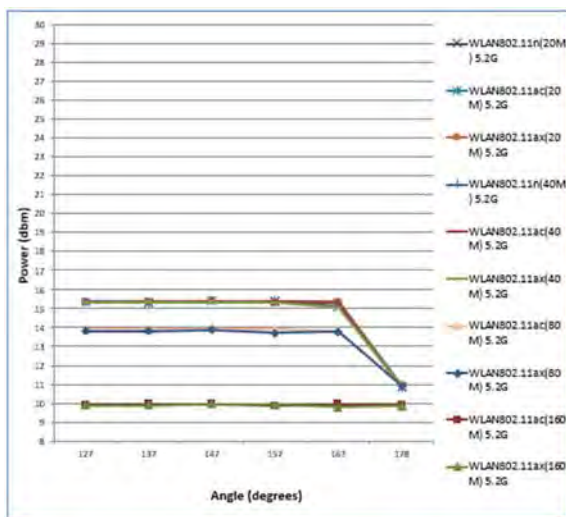
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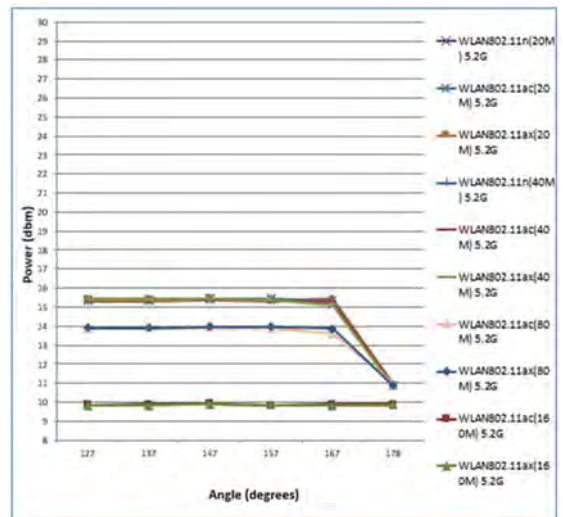
5.2GHz Tx1(SISO)



5.2GHz Tx2(SISO)



5.2GHz Tx1(MIMO)

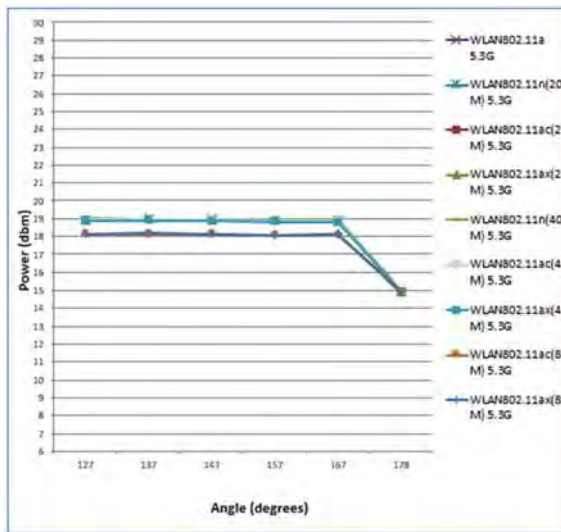


5.2GHz Tx2(MIMO)

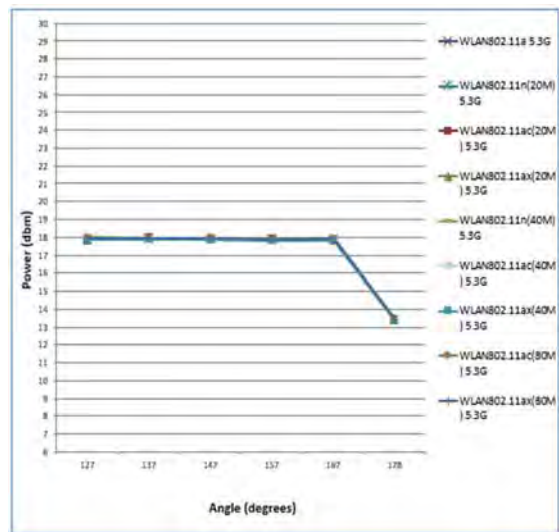
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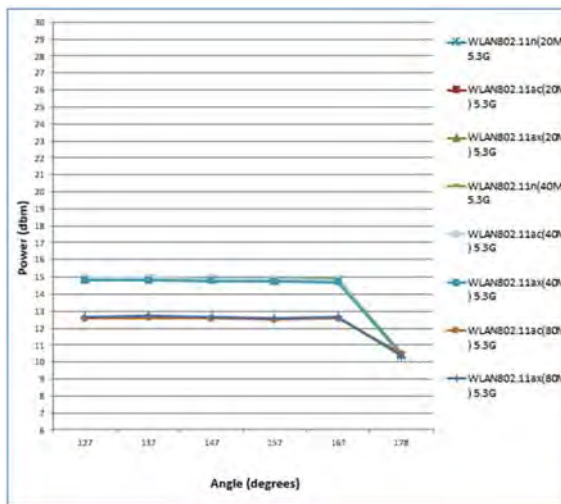
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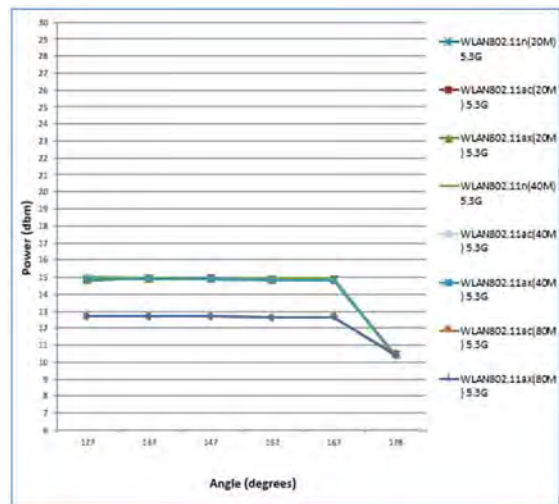
5.3GHz Tx1(SISO)



5.3GHz Tx2(SISO)



5.3GHz Tx1(MIMO)

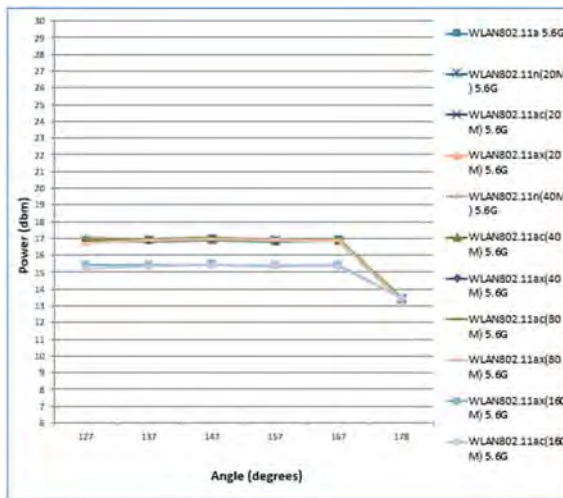


5.3GHz Tx2(MIMO)

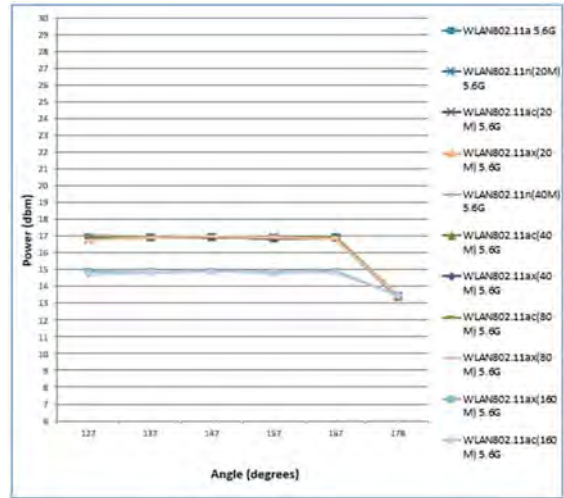
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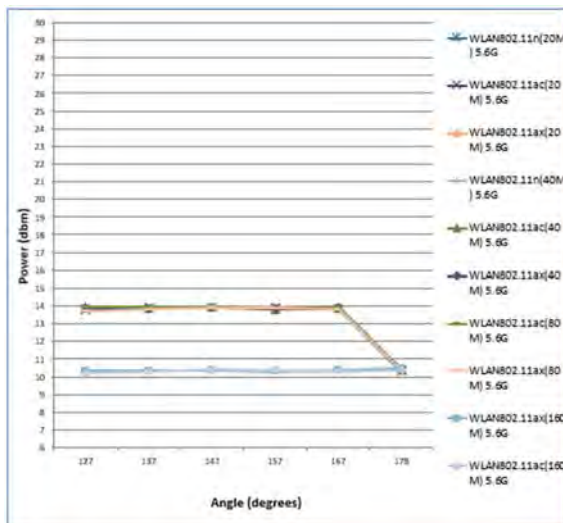
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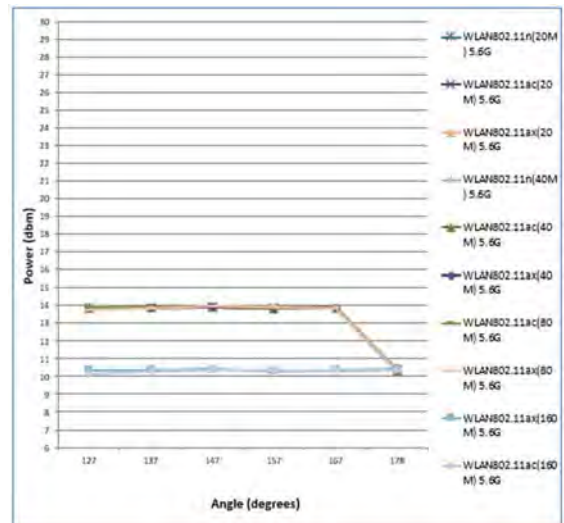
5.6GHz Tx1(SISO)



5.6GHz Tx2(SISO)



5.6GHz Tx1(MIMO)

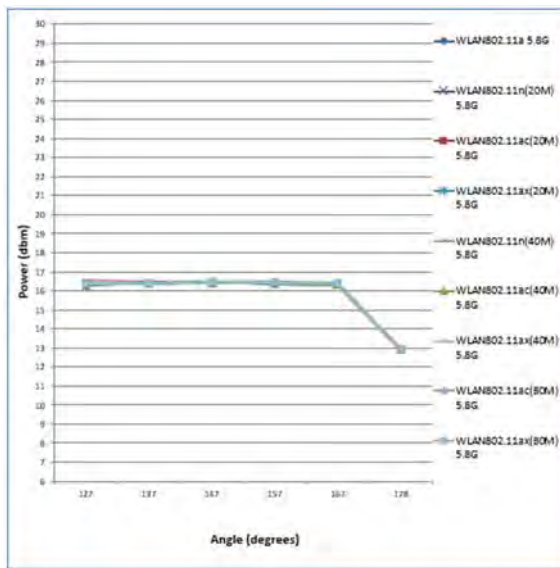


5.6GHz Tx2(MIMO)

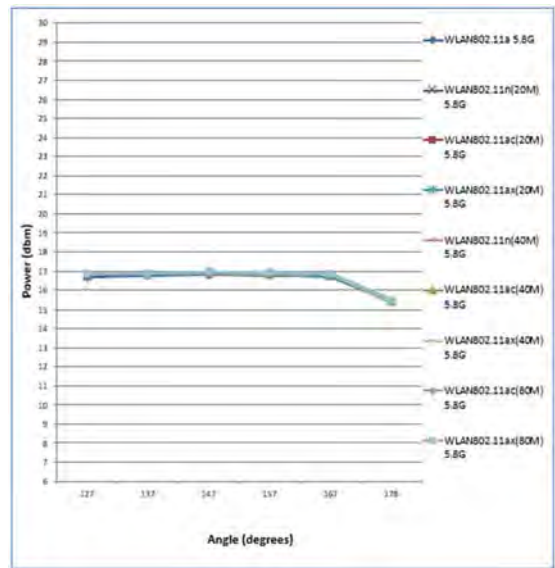
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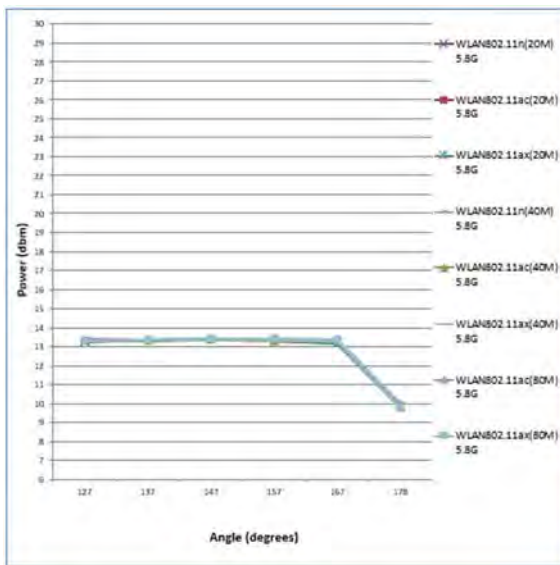
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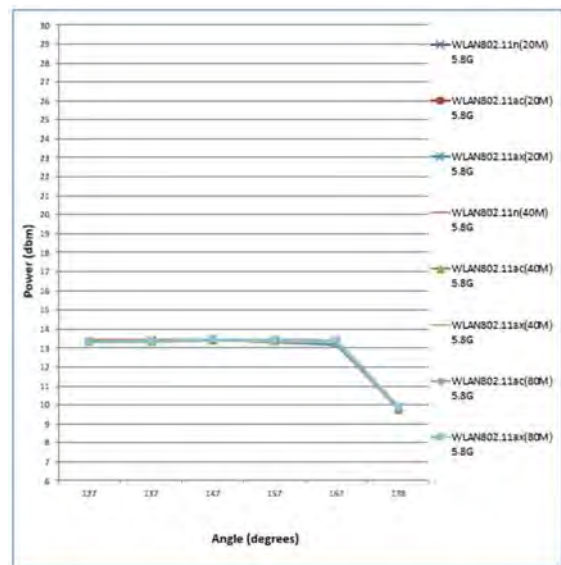
5.8GHz Tx1(SISO)



5.8GHz Tx2(SISO)



5.8GHz Tx1(MIMO)



5.8GHz Tx2(MIMO)

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1.7 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). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-simulant.

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. A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

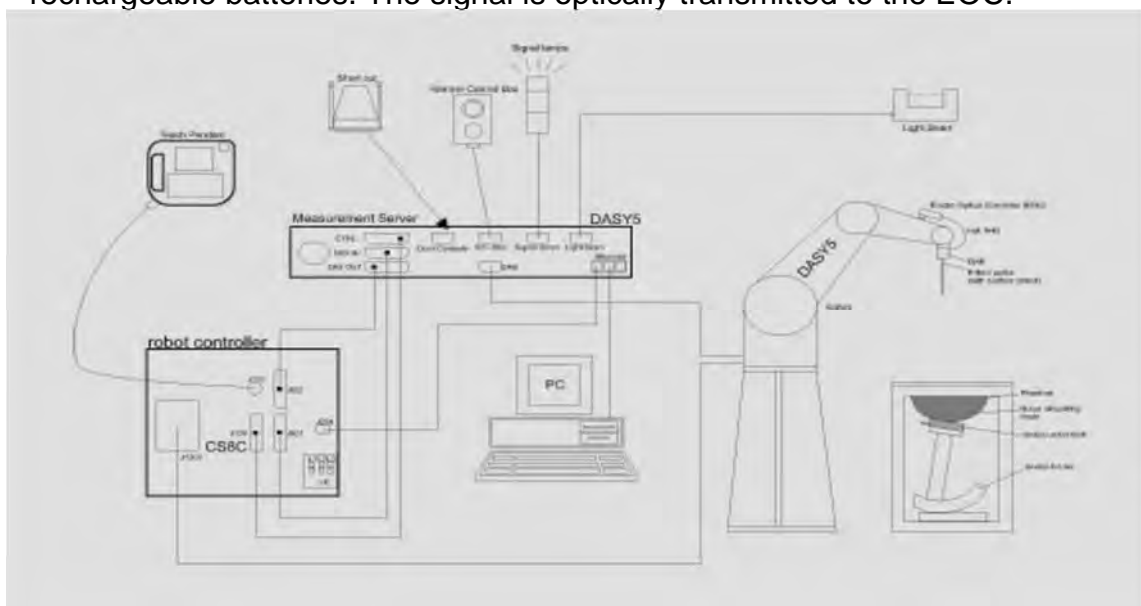


Fig. a The block diagram of SAR system

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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 Windows 7.
8. DASY 5 software.
9. Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
10. Tissue simulating liquid mixed according to the given recipes.
11. Validation dipole kits allowing to validate the proper functioning of the system.


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1.8 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 Conversion Factors (CF) for HSL 750/835/1750/1900/2300/2450/2600/5200/5300/5600/5800 MHz Additional CF for other liquids and frequencies upon request | |
| Frequency | 10 MHz to > 6 GHz | |
| Directivity | ± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis) | |
| Dynamic Range | 10 µW/g to > 100 mW/g 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 | ELI | |
| Construction | The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles. | |
| Shell Thickness | 2 ± 0.2 mm |  |
| Filling Volume | Approx. 30 liters | |
| Dimensions | Major axis: 600 mm Minor axis: 400 mm | |

DEVICE HOLDER

| | | |
|--------------|---|--|
| Construction | The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks. |  |
| | | Device Holder |

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1.9 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 $\pm 10\%$ from the target SAR values. These tests were done at 750/835/1750/1900/2300/2450/2600/5200/5300/5600/5800 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 (SAR values are normalized to 1W forward power delivered to the dipole). During the tests, the liquid depth above the ear reference points was $\geq 15 \text{ cm} \pm 5 \text{ mm}$ (frequency $\leq 3 \text{ GHz}$) or $\geq 10 \text{ cm} \pm 5 \text{ mm}$ (frequency $> 3 \text{ GHz}$) 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.

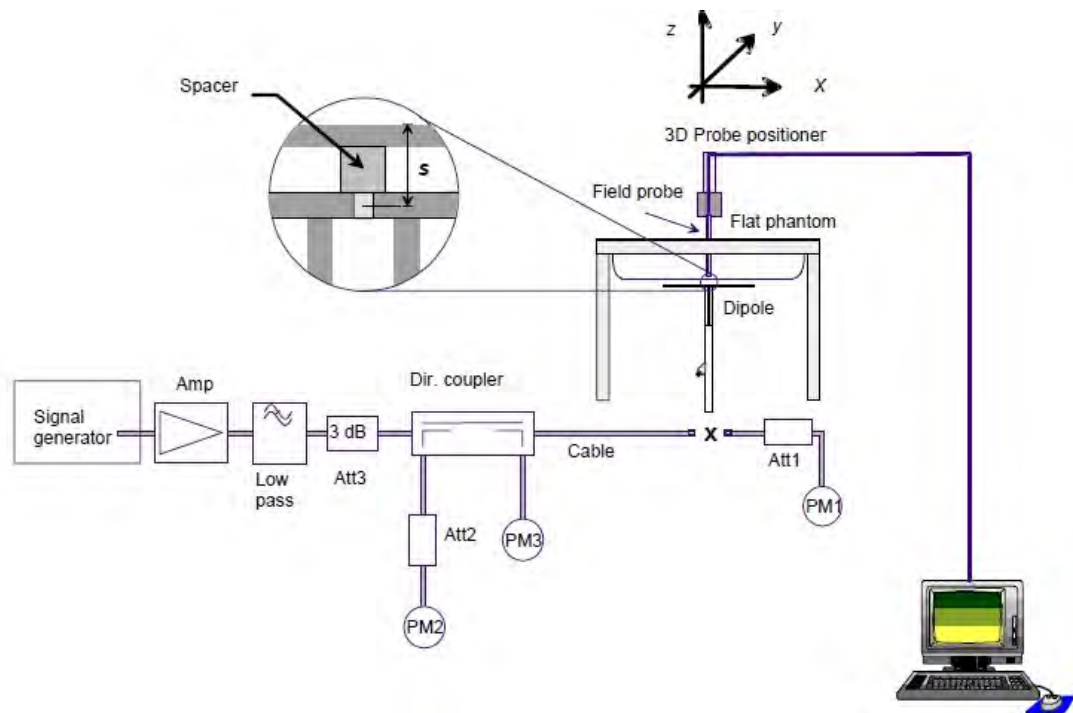


Fig. b The block diagram of system verification

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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 | 2.13 | 8.52 | -0.93% | Dec, 17, 2019 |
| D835V2 | 4d063 | 835 | Head | 9.57 | 2.35 | 9.40 | -1.78% | Dec, 17, 2019 |
| D1750V2 | 1008 | 1750 | Head | 36.8 | 8.76 | 35.04 | -4.78% | Dec, 18, 2019 |
| D1900V2 | 5d173 | 1900 | Head | 40.2 | 9.49 | 37.96 | -5.57% | Dec, 18, 2019 |
| D2300V2 | 1023 | 2300 | Head | 48.1 | 11.70 | 46.80 | -2.70% | Dec, 19, 2019 |
| D2450V2 | 727 | 2450 | Head | 53 | 14.10 | 56.40 | 6.42% | Dec, 12, 2019 |
| D2600V2 | 1005 | 2600 | Head | 55.3 | 14.10 | 56.40 | 1.99% | Dec, 19, 2019 |
| 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 | 8.06 | 80.6 | 1.77% | Dec, 13, 2019 |
| | | 5300 | Head | 82.6 | 8.38 | 83.8 | 1.45% | Dec, 14, 2019 |
| | | 5600 | Head | 85.7 | 8.31 | 83.1 | -3.03% | Dec, 15, 2019 |
| | | 5800 | Head | 80.4 | 8.13 | 81.3 | 1.12% | Dec, 16, 2019 |

Table 1. Results of system verification

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1.10 Tissue Simulant Fluid for the Frequency Band

The dielectric properties for this body-simulant fluid were measured by using the Agilent Dielectric 85070E Probe Kit in conjunction with Network Analyzer. All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

The depth of the tissue simulant in the flat section of the phantom was $\geq 15 \text{ cm} \pm 5 \text{ mm}$ (Frequency $\leq 3\text{G}$) or $\geq 10 \text{ cm} \pm 5 \text{ mm}$ (Frequency $> 3\text{G}$) during all tests. (Fig. 2)

| Tissue Type | Measurement Date | Measured Frequency (MHz) | Target Dielectric Constant, ϵ_r | Target Conductivity, σ (S/m) | Measured Dielectric Constant, ϵ_r | Measured Conductivity, σ (S/m) | % dev ϵ_r | % dev σ |
|-------------|------------------|--------------------------|--|-------------------------------------|--|---------------------------------------|--------------------|----------------|
| Head | Dec, 17. 2019 | 704 | 42.181 | 0.890 | 43.468 | 0.859 | 3.05% | -3.46% |
| | | 707.5 | 42.162 | 0.890 | 43.451 | 0.863 | 3.06% | -3.04% |
| | | 709 | 42.155 | 0.890 | 43.408 | 0.865 | 2.97% | -2.83% |
| | | 710 | 42.149 | 0.890 | 43.387 | 0.867 | 2.94% | -2.61% |
| | | 711 | 42.144 | 0.890 | 43.343 | 0.867 | 2.84% | -2.62% |
| | | 750 | 41.942 | 0.893 | 42.902 | 0.916 | 2.29% | 2.53% |
| | | 782 | 41.775 | 0.896 | 42.545 | 0.921 | 1.84% | 2.81% |
| | | 793 | 41.718 | 0.897 | 42.342 | 0.932 | 1.50% | 3.93% |
| | | 821.5 | 41.570 | 0.899 | 43.024 | 0.873 | 3.50% | -2.89% |
| | | 826.4 | 41.545 | 0.899 | 42.906 | 0.878 | 3.28% | -2.37% |
| | | 829 | 41.531 | 0.900 | 42.896 | 0.879 | 3.29% | -2.28% |
| | | 831.5 | 41.518 | 0.900 | 42.884 | 0.881 | 3.29% | -2.08% |
| | | 835 | 41.500 | 0.900 | 42.881 | 0.887 | 3.33% | -1.44% |
| | | 836.5 | 41.500 | 0.902 | 42.799 | 0.888 | 3.13% | -1.51% |
| | | 836.6 | 41.500 | 0.902 | 42.798 | 0.888 | 3.13% | -1.52% |
| | | 841.5 | 41.500 | 0.907 | 42.783 | 0.895 | 3.09% | -1.32% |
| | | 844 | 41.500 | 0.910 | 42.751 | 0.896 | 3.01% | -1.51% |
| | | 846.6 | 41.500 | 0.912 | 42.732 | 0.897 | 2.97% | -1.70% |
| | Dec, 18. 2019 | 1712.4 | 40.138 | 1.349 | 39.584 | 1.291 | -1.38% | -4.32% |
| | | 1720 | 40.126 | 1.354 | 39.538 | 1.295 | -1.47% | -4.34% |
| | | 1732.4 | 40.107 | 1.361 | 39.491 | 1.303 | -1.54% | -4.25% |
| | | 1732.5 | 40.107 | 1.361 | 39.484 | 1.306 | -1.55% | -4.04% |
| | | 1745 | 40.087 | 1.368 | 39.456 | 1.315 | -1.57% | -3.89% |
| | | 1750 | 40.079 | 1.371 | 39.443 | 1.319 | -1.59% | -3.80% |
| | | 1752.6 | 40.075 | 1.373 | 39.436 | 1.322 | -1.59% | -3.68% |
| | | 1770 | 40.047 | 1.383 | 39.357 | 1.341 | -1.72% | -3.01% |
| | | 1852.4 | 40.000 | 1.400 | 39.253 | 1.409 | -1.87% | 0.64% |
| | | 1860 | 40.000 | 1.400 | 39.072 | 1.415 | -2.32% | 1.07% |
| | | 1880 | 40.000 | 1.400 | 38.982 | 1.432 | -2.55% | 2.29% |
| | | 1882.5 | 40.000 | 1.400 | 38.978 | 1.434 | -2.56% | 2.43% |
| | | 1900 | 40.000 | 1.400 | 38.929 | 1.451 | -2.68% | 3.64% |
| | | 1905 | 40.000 | 1.400 | 38.895 | 1.459 | -2.76% | 4.21% |
| | | 1907.6 | 40.000 | 1.400 | 38.878 | 1.461 | -2.81% | 4.36% |

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| Tissue Type | Measurement Date | Measured Frequency (MHz) | Target Dielectric Constant, ϵ_r | Target Conductivity, σ (S/m) | Measured Dielectric Constant, ϵ_r | Measured Conductivity, σ (S/m) | % dev ϵ_r | % dev σ |
|-------------|------------------|--------------------------|--|-------------------------------------|--|---------------------------------------|--------------------|----------------|
| Head | Dec, 19. 2019 | 2300 | 39.467 | 1.667 | 40.565 | 1.651 | 2.78% | -0.94% |
| | | 2310 | 39.449 | 1.676 | 40.506 | 1.661 | 2.68% | -0.87% |
| | | 2506 | 39.129 | 1.861 | 37.923 | 1.849 | -3.08% | -0.65% |
| | | 2510 | 39.124 | 1.865 | 37.903 | 1.856 | -3.12% | -0.51% |
| | | 2535 | 39.092 | 1.893 | 37.791 | 1.875 | -3.33% | -0.94% |
| | | 2549.5 | 39.073 | 1.909 | 37.722 | 1.895 | -3.46% | -0.71% |
| | | 2560 | 39.060 | 1.920 | 37.693 | 1.907 | -3.50% | -0.68% |
| | | 2580 | 39.035 | 1.942 | 37.617 | 1.928 | -3.63% | -0.71% |
| | | 2593 | 39.018 | 1.956 | 37.557 | 1.944 | -3.74% | -0.61% |
| | | 2595 | 39.015 | 1.958 | 37.544 | 1.947 | -3.77% | -0.57% |
| | | 2600 | 39.009 | 1.964 | 37.527 | 1.949 | -3.80% | -0.75% |
| | | 2610 | 38.996 | 1.975 | 37.454 | 1.963 | -3.96% | -0.58% |
| | | 2636.5 | 38.963 | 2.003 | 37.339 | 1.995 | -4.17% | -0.42% |
| | | 2680 | 38.907 | 2.051 | 37.203 | 2.044 | -4.38% | -0.34% |
| Tissue Type | Measurement Date | Measured Frequency (MHz) | Target Dielectric Constant, ϵ_r | Target Conductivity, σ (S/m) | Measured Dielectric Constant, ϵ_r | Measured Conductivity, σ (S/m) | % dev ϵ_r | % dev σ |
| Head | Dec, 12. 2019 | 2402 | 39.285 | 1.757 | 37.858 | 1.798 | -3.63% | 2.31% |
| | | 2412 | 39.268 | 1.766 | 37.770 | 1.812 | -3.81% | 2.59% |
| | | 2417 | 39.259 | 1.771 | 37.706 | 1.820 | -3.95% | 2.79% |
| | | 2437 | 39.223 | 1.788 | 37.656 | 1.848 | -4.00% | 3.33% |
| | | 2441 | 39.216 | 1.792 | 37.636 | 1.853 | -4.03% | 3.40% |
| | | 2450 | 39.200 | 1.800 | 37.619 | 1.863 | -4.03% | 3.50% |
| | | 2457 | 39.191 | 1.808 | 37.611 | 1.871 | -4.03% | 3.51% |
| | | 2462 | 39.185 | 1.813 | 37.596 | 1.878 | -4.05% | 3.58% |
| | Dec, 13. 2019 | 2480 | 39.162 | 1.833 | 37.589 | 1.897 | -4.02% | 3.51% |
| | | 5190 | 35.997 | 4.645 | 36.614 | 4.509 | 1.71% | -2.92% |
| | | 5200 | 35.986 | 4.655 | 36.599 | 4.513 | 1.70% | -3.05% |
| | | 5210 | 35.974 | 4.665 | 36.479 | 4.517 | 1.40% | -3.18% |
| | Dec, 14. 2019 | 5230 | 35.951 | 4.686 | 36.332 | 4.519 | 1.06% | -3.56% |
| | | 5270 | 35.906 | 4.727 | 36.229 | 4.621 | 0.90% | -2.24% |
| | | 5290 | 35.883 | 4.747 | 36.221 | 4.631 | 0.94% | -2.45% |
| | | 5300 | 35.871 | 4.758 | 36.214 | 4.635 | 0.95% | -2.57% |
| | Dec, 15. 2019 | 5310 | 35.860 | 4.768 | 36.207 | 4.637 | 0.97% | -2.74% |
| | | 5530 | 35.609 | 4.993 | 35.534 | 4.901 | -0.21% | -1.85% |
| | | 5570 | 35.563 | 5.034 | 35.153 | 4.928 | -1.15% | -2.11% |
| | | 5600 | 35.529 | 5.065 | 35.105 | 5.003 | -1.19% | -1.22% |
| | | 5610 | 35.517 | 5.075 | 35.096 | 5.033 | -1.19% | -0.83% |
| | Dec, 16. 2019 | 5690 | 35.426 | 5.157 | 34.729 | 5.086 | -1.97% | -1.38% |
| | | 5775 | 35.329 | 5.244 | 34.621 | 5.159 | -2.00% | -1.63% |
| | | 5800 | 35.300 | 5.270 | 34.367 | 5.195 | -2.64% | -1.42% |

Table 2. Dielectric Parameters of Tissue Simulant Fluid

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The composition of the body 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) |
| 2300 | Head | 550ml | 450ml | — | — | — | — | 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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1.11 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

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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 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.

1.12 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:

1.12.1 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:

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- 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 small.
- 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.
- 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 ($\sim 2\%$ 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 $\pm 5\%$.
- 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 $\pm 10\%$ (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 $\pm 5\%$ (RSS) when the same liquid is used for the calibration and for actual measurements and $\pm 7-9\%$ (RSS) when not, which is in good agreement with the estimates given in [2].

1.12.2 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:

- The setup must enable accurate determination of the incident power.
- The accuracy of the calculated field strength will depend on the assessment of the dielectric parameters of the liquid.
- Due to the small wavelength in liquids with high permittivity, even small

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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.

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1. N. Kuster, Q. Balzano, and J.C. Lin, Eds., *Mobile Communications Safety*, Chapman & Hall, London, 1997.
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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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1.13 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 an 10 grams of tissue (defined as a tissue volume in the shape of a cube).

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- (2) 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.
- (3) 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). 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 4.)

| 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

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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

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 | |
| WCDMA Band II | Back side | 0 | 9400 | 1880 | 24.50 | 23.53 | 125.03% | 0.021 | 0.026 | - |
| | Top side | 0 | 9400 | 1880 | 24.50 | 23.53 | 125.03% | 0.084 | 0.105 | - |
| | Right side | 0 | 9262 | 1852.4 | 24.50 | 23.33 | 130.92% | 0.183 | 0.240 | 286 |
| | Right side | 0 | 9400 | 1880 | 24.50 | 23.53 | 125.03% | 0.086 | 0.107 | - |
| | Right side | 0 | 9538 | 1907.6 | 24.50 | 23.34 | 130.62% | 0.082 | 0.106 | - |

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 | |
| WCDMA Band IV | Back side | 0 | 1312 | 1712.4 | 24.50 | 23.81 | 117.22% | 0.050 | 0.059 | - |
| | Top side | 0 | 1312 | 1712.4 | 24.50 | 23.81 | 117.22% | 0.082 | 0.096 | - |
| | Right side | 0 | 1312 | 1712.4 | 24.50 | 23.81 | 117.22% | 0.463 | 0.543 | - |
| | Right side | 0 | 1412 | 1732.4 | 24.50 | 23.74 | 119.12% | 0.546 | 0.650 | - |
| | Right side | 0 | 1513 | 1752.6 | 24.50 | 23.47 | 126.77% | 0.571 | 0.724 | 287 |

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 | |
| WCDMA Band V | Back side | 0 | 4132 | 826.4 | 24.50 | 23.41 | 128.53% | 0.001 | 0.002 | - |
| | Top side | 0 | 4132 | 826.4 | 24.50 | 23.41 | 128.53% | 0.028 | 0.035 | - |
| | Right side | 0 | 4132 | 826.4 | 24.50 | 23.41 | 128.53% | 0.038 | 0.049 | 288 |
| | Right side | 0 | 4183 | 836.6 | 24.50 | 23.38 | 129.42% | 0.031 | 0.040 | - |
| | Right side | 0 | 4233 | 846.6 | 24.50 | 23.35 | 130.32% | 0.026 | 0.033 | - |

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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 | |
| LTE Band 2 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 18900 | 1880 | 24 | 23.27 | 118.30% | 0.032 | 0.038 | - |
| | | | | | Top side | 0 | 18900 | 1880 | 24 | 23.27 | 118.30% | 0.093 | 0.110 | - |
| | | | | | Right side | 0 | 18700 | 1860 | 24 | 23.25 | 118.85% | 0.172 | 0.204 | 289 |
| | | | | | Right side | 0 | 18900 | 1880 | 24 | 23.27 | 118.30% | 0.101 | 0.119 | - |
| | | | | | Right side | 0 | 19100 | 1900 | 24 | 23.18 | 120.78% | 0.069 | 0.083 | - |
| | | | 50 RB | 0 | Back side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.029 | 0.034 | - |
| | | | | | Top side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.086 | 0.102 | - |
| | | | | | Right side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.094 | 0.111 | - |
| | | | 100 RB | 0 | Back side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.028 | 0.033 | - |
| | | | | | Top side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.085 | 0.100 | - |
| | | | | | Right side | 0 | 18900 | 1880 | 23 | 22.28 | 118.03% | 0.091 | 0.108 | - |

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 | |
| LTE Band 4 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 20050 | 1720 | 24 | 23.17 | 121.06% | 0.044 | 0.054 | - |
| | | | | | Top side | 0 | 20050 | 1720 | 24 | 23.17 | 121.06% | 0.086 | 0.104 | - |
| | | | | | Right side | 0 | 20050 | 1720 | 24 | 23.17 | 121.06% | 0.456 | 0.552 | - |
| | | | | | Right side | 0 | 20175 | 1732.5 | 24 | 23.12 | 122.46% | 0.494 | 0.605 | - |
| | | | | | Right side | 0 | 20300 | 1745 | 24 | 23.01 | 125.60% | 0.512 | 0.643 | 290 |
| | | | 50 RB | 0 | Back side | 0 | 20050 | 1720 | 23 | 22.10 | 123.03% | 0.038 | 0.047 | - |
| | | | | | Top side | 0 | 20050 | 1720 | 23 | 22.10 | 123.03% | 0.072 | 0.089 | - |
| | | | | | Right side | 0 | 20050 | 1720 | 23 | 22.10 | 123.03% | 0.392 | 0.482 | - |
| | | | 100 RB | 0 | Back side | 0 | 20175 | 1732.5 | 23 | 22.04 | 124.74% | 0.035 | 0.044 | - |
| | | | | | Top side | 0 | 20175 | 1732.5 | 23 | 22.04 | 124.74% | 0.067 | 0.084 | - |
| | | | | | Right side | 0 | 20175 | 1732.5 | 23 | 22.04 | 124.74% | 0.371 | 0.463 | - |

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 | |
| LTE Band 5 | 10MHz | QPSK | 1 RB | 49 | Back side | 0 | 20525 | 836.5 | 25 | 23.83 | 130.92% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 20525 | 836.5 | 25 | 23.83 | 130.92% | 0.027 | 0.035 | - |
| | | | | | Right side | 0 | 20450 | 829 | 25 | 23.81 | 131.52% | 0.039 | 0.052 | - |
| | | | | | Right side | 0 | 20525 | 836.5 | 25 | 23.83 | 130.92% | 0.041 | 0.054 | 291 |
| | | | | | Right side | 0 | 20600 | 844 | 25 | 23.79 | 132.13% | 0.036 | 0.048 | - |
| | | | 25 RB | 0 | Back side | 0 | 20525 | 836.5 | 24 | 22.81 | 131.52% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 20525 | 836.5 | 24 | 22.81 | 131.52% | 0.022 | 0.028 | - |
| | | | | | Right side | 0 | 20525 | 836.5 | 24 | 22.81 | 131.52% | 0.032 | 0.043 | - |
| | | | 50 RB | 0 | Back side | 0 | 20450 | 829 | 24 | 22.75 | 133.35% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 20450 | 829 | 24 | 22.75 | 133.35% | 0.019 | 0.025 | - |
| | | | | | Right side | 0 | 20450 | 829 | 24 | 22.75 | 133.35% | 0.031 | 0.041 | - |

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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 | |
| LTE Band 7 | 20MHz | QPSK | 1 RB | 0 | Top side | 0 | 21350 | 2560 | 24 | 23.11 | 122.74% | 0.278 | 0.341 | - |
| | | | | | Back side | 0 | 21100 | 2535 | 24 | 23.46 | 113.24% | 0.029 | 0.032 | - |
| | | | | 99 | Top side | 0 | 20850 | 2510 | 24 | 23.35 | 116.14% | 0.256 | 0.297 | - |
| | | | | | Top side | 0 | 21100 | 2535 | 24 | 23.46 | 113.24% | 0.308 | 0.349 | 292 |
| | | | 50 RB | 50 | Right side | 0 | 21100 | 2535 | 24 | 23.46 | 113.24% | 0.117 | 0.132 | - |
| | | | | | Back side | 0 | 21100 | 2535 | 23 | 22.39 | 115.08% | 0.011 | 0.013 | - |
| | | | | | Top side | 0 | 21100 | 2535 | 23 | 22.39 | 115.08% | 0.201 | 0.231 | - |
| | | | | | Right side | 0 | 21100 | 2535 | 23 | 22.39 | 115.08% | 0.103 | 0.119 | - |
| | | | 100 RB | | Back side | 0 | 21100 | 2535 | 23 | 22.25 | 118.85% | 0.010 | 0.012 | - |
| | | | | | Top side | 0 | 21100 | 2535 | 23 | 22.25 | 118.85% | 0.196 | 0.233 | - |
| | | | | | Right side | 0 | 21100 | 2535 | 23 | 22.25 | 118.85% | 0.099 | 0.118 | - |
| | | | | | | | | | | | | | | |

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 | |
| LTE Band 12 | 10MHz | QPSK | 1 RB | 0 | Top side | 0 | 23130 | 711 | 24 | 22.81 | 131.52% | 0.036 | 0.047 | 293 |
| | | | | | Back side | 0 | 23095 | 707.5 | 24 | 22.82 | 131.22% | 0.035 | 0.045 | - |
| | | | | 49 | Top side | 0 | 23060 | 704 | 24 | 22.89 | 129.12% | 0.002 | 0.002 | - |
| | | | | | Right side | 0 | 23060 | 704 | 24 | 22.89 | 129.12% | 0.034 | 0.043 | - |
| | | | 25 RB | 25 | Back side | 0 | 23060 | 704 | 23 | 21.84 | 130.62% | 0.001 | 0.002 | - |
| | | | | | Top side | 0 | 23060 | 704 | 23 | 21.84 | 130.62% | 0.030 | 0.039 | - |
| | | | | | Right side | 0 | 23060 | 704 | 23 | 21.84 | 130.62% | 0.021 | 0.028 | - |
| | | | 50 RB | | Back side | 0 | 23095 | 707.5 | 23 | 21.81 | 131.52% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 23095 | 707.5 | 23 | 21.81 | 131.52% | 0.029 | 0.039 | - |
| | | | | | Right side | 0 | 23095 | 707.5 | 23 | 21.81 | 131.52% | 0.020 | 0.027 | - |
| | | | | | | | | | | | | | | |

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 | |
| LTE Band 13 | 10MHz | QPSK | 1 RB | 0 | Right side | 0 | 23230 | 782 | 24 | 22.52 | 140.60% | 0.018 | 0.025 | - |
| | | | | | Back side | 0 | 23230 | 782 | 24 | 22.67 | 135.83% | 0.001 | 0.002 | - |
| | | | | 25 | Top side | 0 | 23230 | 782 | 24 | 22.67 | 135.83% | 0.023 | 0.031 | - |
| | | | | | Right side | 0 | 23230 | 782 | 24 | 22.67 | 135.83% | 0.026 | 0.035 | 294 |
| | | | 25 RB | 25 | Right side | 0 | 23230 | 782 | 24 | 22.64 | 136.77% | 0.024 | 0.033 | - |
| | | | | | Back side | 0 | 23230 | 782 | 23 | 21.62 | 137.40% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 23230 | 782 | 23 | 21.62 | 137.40% | 0.020 | 0.027 | - |
| | | | | | Right side | 0 | 23230 | 782 | 23 | 21.62 | 137.40% | 0.022 | 0.031 | - |
| | | | 50 RB | | Back side | 0 | 23230 | 782 | 23 | 21.64 | 136.77% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 23230 | 782 | 23 | 21.64 | 136.77% | 0.021 | 0.029 | - |
| | | | | | Right side | 0 | 23230 | 782 | 23 | 21.64 | 136.77% | 0.023 | 0.032 | - |
| | | | | | | | | | | | | | | |

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LTE FDD Band 14

| 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 | |
| LTE Band 14 | 10MHz | QPSK | 1 RB | 0 | Right side | 0 | 23330 | 793 | 24 | 22.73 | 133.97% | 0.027 | 0.036 | - |
| | | | | | Right side | 0 | 23330 | 793 | 24 | 22.68 | 135.52% | 0.029 | 0.039 | - |
| | | | | | Back side | 0 | 23330 | 793 | 24 | 22.76 | 133.05% | 0.001 | 0.002 | - |
| | | | | | Top side | 0 | 23330 | 793 | 24 | 22.76 | 133.05% | 0.023 | 0.031 | - |
| | | | 25 RB | 25 | Right side | 0 | 23330 | 793 | 24 | 22.76 | 133.05% | 0.032 | 0.043 | 295 |
| | | | | | Back side | 0 | 23330 | 793 | 23 | 21.74 | 133.66% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 23330 | 793 | 23 | 21.74 | 133.66% | 0.021 | 0.028 | - |
| | | | | | Right side | 0 | 23330 | 793 | 23 | 21.74 | 133.66% | 0.024 | 0.032 | - |
| | | | 50 RB | | Back side | 0 | 23330 | 793 | 23 | 21.67 | 135.83% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 23330 | 793 | 23 | 21.67 | 135.83% | 0.020 | 0.027 | - |
| | | | | | Right side | 0 | 23330 | 793 | 23 | 21.67 | 135.83% | 0.022 | 0.030 | - |
| | | | | | | | | | | | | | | |

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 | |
| LTE Band 17 | 10MHz | QPSK | 1 RB | 0 | Back side | 0 | 23800 | 711 | 24 | 22.78 | 132.43% | 0.002 | 0.003 | - |
| | | | | | Top side | 0 | 23780 | 709 | 24 | 22.74 | 133.66% | 0.038 | 0.051 | 296 |
| | | | | | Top side | 0 | 23790 | 710 | 24 | 22.71 | 134.59% | 0.035 | 0.047 | - |
| | | | | | Top side | 0 | 23800 | 711 | 24 | 22.78 | 132.43% | 0.036 | 0.048 | - |
| | | | 25 RB | 0 | Right side | 0 | 23800 | 711 | 24 | 22.78 | 132.43% | 0.027 | 0.036 | - |
| | | | | | Back side | 0 | 23780 | 709 | 23 | 21.76 | 133.05% | 0.002 | 0.002 | - |
| | | | | | Top side | 0 | 23780 | 709 | 23 | 21.76 | 133.05% | 0.037 | 0.049 | - |
| | | | | | Right side | 0 | 23780 | 709 | 23 | 21.76 | 133.05% | 0.026 | 0.035 | - |
| | | | 50 RB | | Back side | 0 | 23780 | 709 | 23 | 21.71 | 134.59% | 0.001 | 0.002 | - |
| | | | | | Top side | 0 | 23780 | 709 | 23 | 21.71 | 134.59% | 0.035 | 0.047 | - |
| | | | | | Right side | 0 | 23780 | 709 | 23 | 21.71 | 134.59% | 0.024 | 0.032 | - |
| | | | | | | | | | | | | | | |

LTE FDD Band 25

| 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 | |
| LTE Band 25 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 26140 | 1860 | 24 | 23.12 | 122.46% | 0.034 | 0.042 | - |
| | | | | | Top side | 0 | 26140 | 1860 | 24 | 23.12 | 122.46% | 0.109 | 0.133 | - |
| | | | | | Right side | 0 | 26140 | 1860 | 24 | 23.12 | 122.46% | 0.173 | 0.212 | 297 |
| | | | | | Right side | 0 | 26365 | 1882.5 | 24 | 23.09 | 123.31% | 0.093 | 0.115 | - |
| | | | 50 RB | 0 | Right side | 0 | 26590 | 1905 | 24 | 23.08 | 123.59% | 0.079 | 0.098 | - |
| | | | | | Back side | 0 | 26365 | 1882.5 | 23 | 22.15 | 121.62% | 0.029 | 0.036 | - |
| | | | | | Top side | 0 | 26365 | 1882.5 | 23 | 22.15 | 121.62% | 0.098 | 0.119 | - |
| | | | | | Right side | 0 | 26365 | 1882.5 | 23 | 22.15 | 121.62% | 0.144 | 0.175 | - |
| | | | 100 RB | | Back side | 0 | 26365 | 1882.5 | 23 | 22.04 | 124.74% | 0.027 | 0.034 | - |
| | | | | | Top side | 0 | 26365 | 1882.5 | 23 | 22.04 | 124.74% | 0.096 | 0.120 | - |
| | | | | | Right side | 0 | 26365 | 1882.5 | 23 | 22.04 | 124.74% | 0.128 | 0.160 | - |
| | | | | | | | | | | | | | | |

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LTE FDD Band 26

| 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 | |
| LTE Band 26 | 15MHz | QPSK | 1 RB | 0 | Back side | 0 | 26965 | 841.5 | 25 | 23.91 | 128.53% | 0.002 | 0.003 | - |
| | | | | | Top side | 0 | 26965 | 841.5 | 25 | 23.91 | 128.53% | 0.029 | 0.037 | - |
| | | | | | Right side | 0 | 26865 | 831.5 | 25 | 23.87 | 129.72% | 0.031 | 0.040 | - |
| | | | | | Right side | 0 | 26965 | 841.5 | 25 | 23.91 | 128.53% | 0.044 | 0.057 | 298 |
| | | | 36 RB | 18 | Right side | 0 | 26765 | 821.5 | 25 | 23.86 | 130.02% | 0.031 | 0.041 | - |
| | | | | | Back side | 0 | 26865 | 831.5 | 24 | 22.88 | 129.42% | 0.001 | 0.002 | - |
| | | | | | Top side | 0 | 26865 | 831.5 | 24 | 22.88 | 129.42% | 0.024 | 0.031 | - |
| | | | | | Right side | 0 | 26865 | 831.5 | 24 | 22.88 | 129.42% | 0.030 | 0.039 | - |
| | | | 75 RB | | Back side | 0 | 26965 | 841.5 | 24 | 22.93 | 127.94% | 0.001 | 0.001 | - |
| | | | | | Top side | 0 | 26965 | 841.5 | 24 | 22.93 | 127.94% | 0.022 | 0.028 | - |
| | | | | | Right side | 0 | 26965 | 841.5 | 24 | 22.93 | 127.94% | 0.029 | 0.038 | - |
| | | | | | | | | | | | | | | |

LTE FDD Band 30

| 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 | |
| LTE Band 30 | 10MHz | QPSK | 1 RB | 0 | Back side | 0 | 27710 | 2310 | 23 | 22.09 | 123.31% | 0.045 | 0.056 | - |
| | | | | | Top side | 0 | 27710 | 2310 | 23 | 22.09 | 123.31% | 0.218 | 0.269 | - |
| | | | | | Right side | 0 | 27710 | 2310 | 23 | 22.09 | 123.31% | 0.082 | 0.102 | - |
| | | | | | Top side | 0 | 27710 | 2310 | 23 | 21.99 | 126.18% | 0.160 | 0.202 | - |
| | | | 25 RB | 12 | Top side | 0 | 27710 | 2310 | 23 | 21.85 | 130.32% | 0.228 | 0.297 | 299 |
| | | | | | Back side | 0 | 27710 | 2310 | 22 | 20.99 | 126.18% | 0.040 | 0.050 | - |
| | | | | | Top side | 0 | 27710 | 2310 | 22 | 20.99 | 126.18% | 0.088 | 0.111 | - |
| | | | | | Right side | 0 | 27710 | 2310 | 22 | 20.99 | 126.18% | 0.059 | 0.074 | - |
| | | | 50 RB | | Back side | 0 | 27710 | 2310 | 22 | 21.03 | 125.03% | 0.043 | 0.054 | - |
| | | | | | Top side | 0 | 27710 | 2310 | 22 | 21.03 | 125.03% | 0.124 | 0.155 | - |
| | | | | | Right side | 0 | 27710 | 2310 | 22 | 21.03 | 125.03% | 0.074 | 0.092 | - |
| | | | | | | | | | | | | | | |

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 | |
| LTE Band 38 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 37850 | 2580 | 24 | 23.13 | 122.18% | 0.057 | 0.070 | - |
| | | | | | Top side | 0 | 37850 | 2580 | 24 | 23.13 | 122.18% | 0.185 | 0.226 | 300 |
| | | | | | Top side | 0 | 38000 | 2595 | 24 | 23.05 | 124.45% | 0.174 | 0.217 | - |
| | | | | | Top side | 0 | 38150 | 2610 | 24 | 23.06 | 124.17% | 0.167 | 0.207 | - |
| | | | 50 RB | 0 | Right side | 0 | 37850 | 2580 | 24 | 23.13 | 122.18% | 0.098 | 0.120 | - |
| | | | | | Back side | 0 | 37850 | 2580 | 23 | 22.12 | 122.46% | 0.053 | 0.065 | - |
| | | | | | Top side | 0 | 37850 | 2580 | 23 | 22.12 | 122.46% | 0.154 | 0.189 | - |
| | | | | | Right side | 0 | 37850 | 2580 | 23 | 22.12 | 122.46% | 0.094 | 0.115 | - |
| | | | 100 RB | | Back side | 0 | 37850 | 2580 | 23 | 22.08 | 123.59% | 0.048 | 0.059 | - |
| | | | | | Top side | 0 | 37850 | 2580 | 23 | 22.08 | 123.59% | 0.147 | 0.182 | - |
| | | | | | Right side | 0 | 37850 | 2580 | 23 | 22.08 | 123.59% | 0.088 | 0.108 | - |
| | | | | | | | | | | | | | | |

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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 | |
| LTE Band 41 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 39750 | 2506 | 25 | 24.25 | 118.85% | 0.051 | 0.061 | - |
| | | | | | Top side | 0 | 39750 | 2506 | 25 | 24.25 | 118.85% | 0.165 | 0.196 | 301 |
| | | | | | Top side | 0 | 40185 | 2549.5 | 25 | 24.17 | 121.06% | 0.154 | 0.186 | - |
| | | | | 99 | Top side | 0 | 41490 | 2680 | 25 | 23.94 | 127.64% | 0.147 | 0.188 | - |
| | | | | | Right side | 0 | 39750 | 2506 | 25 | 24.25 | 118.85% | 0.098 | 0.116 | - |
| | | | | | Top side | 0 | 40620 | 2593 | 25 | 23.88 | 129.42% | 0.136 | 0.176 | - |
| | | | 50 RB | 0 | Top side | 0 | 41055 | 2636.5 | 25 | 23.97 | 126.77% | 0.141 | 0.179 | - |
| | | | | | Back side | 0 | 39750 | 2506 | 24 | 23.25 | 118.85% | 0.039 | 0.047 | - |
| | | | | | Top side | 0 | 39750 | 2506 | 24 | 23.25 | 118.85% | 0.128 | 0.152 | - |
| | | | | | Right side | 0 | 39750 | 2506 | 24 | 23.25 | 118.85% | 0.078 | 0.093 | - |
| | | | 100 RB | 0 | Back side | 0 | 39750 | 2506 | 24 | 23.22 | 119.67% | 0.039 | 0.047 | - |
| | | | | | Top side | 0 | 39750 | 2506 | 24 | 23.22 | 119.67% | 0.124 | 0.148 | - |
| | | | | | Right side | 0 | 39750 | 2506 | 24 | 23.22 | 119.67% | 0.075 | 0.090 | - |

LTE FDD Band 66

| 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 | |
| LTE Band 66 | 20MHz | QPSK | 1 RB | 0 | Back side | 0 | 132072 | 1720 | 24 | 23.03 | 125.03% | 0.057 | 0.072 | - |
| | | | | | Top side | 0 | 132072 | 1720 | 24 | 23.03 | 125.03% | 0.086 | 0.107 | - |
| | | | | | Right side | 0 | 132072 | 1720 | 24 | 23.03 | 125.03% | 0.429 | 0.536 | - |
| | | | | | Right side | 0 | 132322 | 1745 | 24 | 22.85 | 130.32% | 0.509 | 0.663 | - |
| | | | | | Right side | 0 | 132572 | 1770 | 24 | 22.88 | 129.42% | 0.545 | 0.705 | 302 |
| | | | 50 RB | 0 | Back side | 0 | 132072 | 1720 | 23 | 21.95 | 127.35% | 0.043 | 0.055 | - |
| | | | | | Top side | 0 | 132072 | 1720 | 23 | 21.95 | 127.35% | 0.081 | 0.103 | - |
| | | | | | Right side | 0 | 132072 | 1720 | 23 | 21.95 | 127.35% | 0.384 | 0.489 | - |
| | | | 100 RB | 0 | Back side | 0 | 132072 | 1720 | 23 | 21.91 | 128.53% | 0.039 | 0.051 | - |
| | | | | | Top side | 0 | 132072 | 1720 | 23 | 21.91 | 128.53% | 0.079 | 0.101 | - |
| | | | | | Right side | 0 | 132072 | 1720 | 23 | 21.91 | 128.53% | 0.376 | 0.483 | - |

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Tablet mode

SISO power

WLAN Tx1 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 | |
| Tx1 | WLAN 802.11b | Back side | 0 | 2 | 2417 | 20.00 | 19.98 | 100.46% | 0.669 | 0.672 | - |
| | | Top side | 0 | 2 | 2417 | 20.00 | 19.98 | 100.46% | 1.160 | 1.165 | 303 |
| | | Top side* | 0 | 2 | 2417 | 20.00 | 19.98 | 100.46% | 1.130 | 1.135 | - |
| | | Top side | 0 | 10 | 2457 | 20.00 | 19.96 | 100.93% | 1.040 | 1.050 | - |
| | WLAN 802.11ac(80M) 5.2G | Back side | 0 | 42 | 5210 | 15.00 | 14.97 | 100.69% | 0.322 | 0.324 | - |
| | | Top side | 0 | 42 | 5210 | 15.00 | 14.97 | 100.69% | 1.100 | 1.108 | 304 |
| | | Top side* | 0 | 42 | 5210 | 15.00 | 14.97 | 100.69% | 1.050 | 1.057 | - |
| | | Top side | 0 | 58 | 5290 | 15.00 | 14.95 | 101.16% | 0.333 | 0.337 | - |
| | WLAN 802.11ac(80M) 5.3G | Back side | 0 | 58 | 5290 | 15.00 | 14.95 | 101.16% | 1.030 | 1.042 | 305 |
| | | Top side* | 0 | 58 | 5290 | 15.00 | 14.95 | 101.16% | 0.999 | 1.011 | - |
| | | Back side | 0 | 114 | 5570 | 13.50 | 13.48 | 100.46% | 0.179 | 0.180 | - |
| | | Top side | 0 | 114 | 5570 | 13.50 | 13.48 | 100.46% | 0.518 | 0.520 | 306 |
| | WLAN 802.11ac(160M) 5.6G | Back side | 0 | 155 | 5775 | 13.00 | 12.96 | 100.93% | 0.169 | 0.171 | - |
| | | Top side | 0 | 155 | 5775 | 13.00 | 12.96 | 100.93% | 0.612 | 0.618 | 308 |

* - repeated at the highest SAR measurement according to the KDB 865664

D01

WLAN Tx2 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 | |
| Tx2 | WLAN 802.11b | Back side | 0 | 1 | 2412 | 18.00 | 17.99 | 100.23% | 0.728 | 0.730 | - |
| | | Top side | 0 | 1 | 2412 | 18.00 | 17.99 | 100.23% | 1.170 | 1.173 | 309 |
| | | Top side* | 0 | 1 | 2412 | 18.00 | 17.99 | 100.23% | 1.140 | 1.143 | - |
| | | Top side | 0 | 11 | 2462 | 18.00 | 17.98 | 100.46% | 1.130 | 1.135 | - |
| | Bluetooth (GFSK) | Back side | 0 | 78 | 2480 | 11.00 | 9.24 | 149.97% | 0.099 | 0.149 | - |
| | | Top side | 0 | 78 | 2480 | 11.00 | 9.24 | 149.97% | 0.177 | 0.265 | 310 |
| | WLAN 802.11ac(80M) 5.2G | Back side | 0 | 42 | 5210 | 14.00 | 13.98 | 100.46% | 0.231 | 0.232 | - |
| | | Top side | 0 | 42 | 5210 | 14.00 | 13.98 | 100.46% | 1.190 | 1.195 | 311 |
| | | Top side* | 0 | 42 | 5210 | 14.00 | 13.98 | 100.46% | 1.150 | 1.155 | - |
| | | Top side | 0 | 58 | 5290 | 13.50 | 13.44 | 101.39% | 0.203 | 0.206 | - |
| | WLAN 802.11ac(80M) 5.3G | Back side | 0 | 58 | 5290 | 13.50 | 13.44 | 101.39% | 1.010 | 1.024 | 312 |
| | | Top side* | 0 | 58 | 5290 | 13.50 | 13.44 | 101.39% | 0.997 | 1.011 | - |
| | | Back side | 0 | 114 | 5570 | 13.50 | 13.48 | 100.46% | 0.274 | 0.275 | - |
| | | Top side | 0 | 114 | 5570 | 13.50 | 13.48 | 100.46% | 0.910 | 0.914 | 313 |
| | WLAN 802.11ac(160M) 5.6G | Top side* | 0 | 114 | 5570 | 13.50 | 13.48 | 100.46% | 0.897 | 0.901 | - |
| | | Back side | 0 | 155 | 5775 | 15.50 | 15.49 | 100.23% | 0.413 | 0.414 | - |
| | | Top side | 0 | 155 | 5775 | 15.50 | 15.49 | 100.23% | 1.180 | 1.183 | 314 |
| | | Top side* | 0 | 155 | 5775 | 15.50 | 15.49 | 100.23% | 1.160 | 1.163 | - |

* - repeated at the highest SAR measurement according to the KDB 865664

D01

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Notebook mode

SISO power

WLAN Tx1 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 | |
| Tx1 | WLAN 802.11b | Bottom side | 0 | 2 | 2417 | 20.00 | 19.98 | 100.46% | 0.924 | 0.928 | 315 |
| | | Bottom side* | 0 | 2 | 2417 | 20.00 | 19.98 | 100.46% | 0.911 | 0.915 | - |
| | | Bottom side | 0 | 6 | 2437 | 20.00 | 19.95 | 101.16% | 0.849 | 0.859 | - |
| | WLAN 802.11n(40M) 5.2G | Bottom side | 0 | 38 | 5190 | 18.50 | 18.48 | 100.46% | 0.819 | 0.823 | - |
| | | Bottom side | 0 | 46 | 5230 | 19.00 | 18.98 | 100.46% | 0.916 | 0.920 | 317 |
| | | Bottom side* | 0 | 46 | 5230 | 19.00 | 18.98 | 100.46% | 0.903 | 0.907 | - |
| | WLAN 802.11n(40M) 5.3G | Bottom side | 0 | 54 | 5270 | 19.00 | 18.98 | 100.46% | 1.050 | 1.055 | 318 |
| | | Bottom side* | 0 | 54 | 5270 | 19.00 | 18.98 | 100.46% | 1.010 | 1.015 | - |
| | | Bottom side | 0 | 62 | 5310 | 17.50 | 17.44 | 101.39% | 0.604 | 0.612 | - |
| | WLAN 802.11ac(80M) 5.6G | Bottom side | 0 | 106 | 5530 | 17.00 | 16.99 | 100.23% | 0.475 | 0.476 | 319 |
| | WLAN 802.11ac(80M) 5.8G | Bottom side | 0 | 155 | 5775 | 16.50 | 16.49 | 100.23% | 0.451 | 0.452 | 320 |

* - repeated at the highest SAR measurement according to the KDB 865664
D01

WLAN Tx2 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 | |
| Tx2 | WLAN 802.11b | Bottom side | 0 | 1 | 2412 | 19.00 | 18.97 | 100.69% | 0.800 | 0.806 | - |
| | | Bottom side | 0 | 6 | 2437 | 19.00 | 18.99 | 100.23% | 0.852 | 0.854 | 321 |
| | | Bottom side* | 0 | 6 | 2437 | 19.00 | 18.99 | 100.23% | 0.841 | 0.843 | - |
| | Bluetooth (GFSK) | Bottom side | 0 | 78 | 2480 | 11.00 | 9.24 | 149.97% | 0.082 | 0.123 | 322 |
| | | Bottom side | 0 | 42 | 5210 | 18.50 | 18.49 | 100.23% | 0.934 | 0.936 | 323 |
| | WLAN 802.11ac(80M) 5.2G | Bottom side* | 0 | 42 | 5210 | 18.50 | 18.49 | 100.23% | 0.928 | 0.930 | - |
| | | Bottom side | 0 | 58 | 5290 | 18.00 | 17.97 | 100.69% | 0.772 | 0.777 | 324 |
| | WLAN 802.11ac(80M) 5.3G | Bottom side | 0 | 58 | 5290 | 18.00 | 17.97 | 100.69% | 0.772 | 0.777 | 324 |
| | WLAN 802.11ac(80M) 5.6G | Bottom side | 0 | 106 | 5530 | 17.00 | 16.98 | 100.46% | 0.731 | 0.734 | 325 |
| | WLAN 802.11ac(80M) 5.8G | Bottom side | 0 | 155 | 5775 | 17.00 | 16.97 | 100.69% | 0.806 | 0.812 | 326 |
| | | Bottom side* | 0 | 155 | 5775 | 17.00 | 16.97 | 100.69% | 0.790 | 0.795 | - |

* - repeated at the highest SAR measurement according to the KDB 865664
D01

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Tablet mode

MIMO power

WLAN Tx1 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 | |
| Tx1 | WLAN 802.11n(20M) | Back side | 0 | 6 | 2437 | 14.50 | 14.49 | 100.23% | 0.228 | 0.229 | - |
| | | Top side | 0 | 6 | 2437 | 14.50 | 14.49 | 100.23% | 0.368 | 0.369 | 327 |
| | WLAN 802.11ac(80M) 5.2G | Back side | 0 | 42 | 5210 | 11.00 | 10.96 | 100.93% | 0.109 | 0.110 | - |
| | | Top side | 0 | 42 | 5210 | 11.00 | 10.96 | 100.93% | 0.319 | 0.322 | 328 |
| | WLAN 802.11ac(80M) 5.3G | Back side | 0 | 58 | 5290 | 10.50 | 10.47 | 100.69% | 0.125 | 0.126 | - |
| | | Top side | 0 | 58 | 5290 | 10.50 | 10.47 | 100.69% | 0.375 | 0.378 | 329 |
| | WLAN 802.11ac(160M) 5.6G | Back side | 0 | 114 | 5570 | 10.50 | 10.48 | 100.46% | 0.092 | 0.092 | - |
| | | Top side | 0 | 114 | 5570 | 10.50 | 10.48 | 100.46% | 0.252 | 0.253 | 330 |
| | WLAN 802.11ac(80M) 5.8G | Back side | 0 | 155 | 5775 | 10.00 | 9.98 | 100.46% | 0.077 | 0.078 | - |
| | | Top side | 0 | 155 | 5775 | 10.00 | 9.98 | 100.46% | 0.272 | 0.273 | 331 |

WLAN Tx2 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 | |
| Tx2 | WLAN 802.11n(20M) | Back side | 0 | 10 | 2457 | 14.50 | 14.49 | 100.23% | 0.329 | 0.330 | - |
| | | Top side | 0 | 10 | 2457 | 14.50 | 14.49 | 100.23% | 0.570 | 0.571 | 332 |
| | WLAN 802.11ac(80M) 5.2G | Back side | 0 | 42 | 5210 | 11.00 | 10.97 | 100.69% | 0.125 | 0.126 | - |
| | | Top side | 0 | 42 | 5210 | 11.00 | 10.97 | 100.69% | 0.499 | 0.502 | 333 |
| | WLAN 802.11ac(80M) 5.3G | Back side | 0 | 58 | 5290 | 10.50 | 10.48 | 100.46% | 0.117 | 0.118 | - |
| | | Top side | 0 | 58 | 5290 | 10.50 | 10.48 | 100.46% | 0.443 | 0.445 | 334 |
| | WLAN 802.11ac(160M) 5.6G | Back side | 0 | 114 | 5570 | 10.50 | 10.44 | 101.39% | 0.147 | 0.149 | - |
| | | Top side | 0 | 114 | 5570 | 10.50 | 10.44 | 101.39% | 0.426 | 0.432 | 335 |
| | WLAN 802.11ac(80M) 5.8G | Back side | 0 | 155 | 5775 | 10.00 | 9.93 | 101.62% | 0.122 | 0.124 | - |
| | | Top side | 0 | 155 | 5775 | 10.00 | 9.93 | 101.62% | 0.483 | 0.491 | 336 |

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Notebook mode**MIMO power****WLAN Tx1 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 | |
| Tx1 | WLAN 802.11n(20M) | Bottom side | 0 | 6 | 2437 | 14.50 | 14.49 | 100.23% | 0.249 | 0.250 | 337 |
| | WLAN 802.11n(40M) 5.2G | Bottom side | 0 | 46 | 5230 | 15.50 | 15.46 | 100.93% | 0.378 | 0.381 | 338 |
| | WLAN 802.11n(40M) 5.3G | Bottom side | 0 | 54 | 5270 | 15.00 | 14.98 | 100.46% | 0.357 | 0.359 | 339 |
| | WLAN 802.11ac(80M) 5.6G | Bottom side | 0 | 106 | 5530 | 14.00 | 13.99 | 100.23% | 0.225 | 0.226 | 340 |
| | WLAN 802.11ac(80M) 5.8G | Bottom side | 0 | 155 | 5775 | 13.50 | 13.48 | 100.46% | 0.191 | 0.192 | 341 |

WLAN Tx2 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 | |
| Tx2 | WLAN 802.11n(20M) | Bottom side | 0 | 10 | 2457 | 14.50 | 14.49 | 100.23% | 0.313 | 0.314 | 342 |
| | WLAN 802.11n(40M) 5.2G | Bottom side | 0 | 46 | 5230 | 15.50 | 15.44 | 101.39% | 0.475 | 0.482 | 343 |
| | WLAN 802.11n(40M) 5.3G | Bottom side | 0 | 54 | 5270 | 15.00 | 14.99 | 100.23% | 0.395 | 0.396 | 344 |
| | WLAN 802.11ac(80M) 5.6G | Bottom side | 0 | 122 | 5610 | 14.00 | 13.98 | 100.46% | 0.465 | 0.467 | 345 |
| | WLAN 802.11ac(80M) 5.8G | Bottom side | 0 | 155 | 5775 | 13.50 | 13.45 | 101.16% | 0.393 | 0.398 | 346 |

Note:

$$\text{Scaling} = \frac{\text{reported SAR}}{\text{measured SAR}} = \frac{P_2(\text{mW})}{P_1(\text{mW})} = 10^{\left(\frac{P_2 - P_1}{10}\right)} (\text{dBm})$$

$$\text{Reported SAR} = \text{measured SAR} * (\text{scaling})$$

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:

| NO. | Simultaneous Transmit Configurations | Body |
|-----|--|------|
| 1 | UMTS + 2.4GHz WLAN TX1 / 2.4GHz WLAN TX2 / 2.4GHz MIMO | YES |
| 2 | UMTS + 5GHz WLAN TX1 / 5GHz WLAN TX2 / 5GHz MIMO | YES |
| 3 | UMTS + BT | YES |
| 4 | UMTS + 2.4/5GHz WLAN TX1 + BT | YES |
| 5 | LTE + 2.4GHz WLAN TX1 / 2.4GHz WLAN TX2/ 2.4GHz MIMO | YES |
| 6 | LTE + 5GHz WLAN TX1 / 5GHz WLAN TX2 / 5GHz MIMO | YES |
| 7 | LTE + BT | YES |
| 8 | LTE + 2.4/5GHz WLAN TX1 + BT | YES |

Note :

- 1) WWAN and WLAN may transmit simultaneously.
- 2) Bluetooth and WLAN TX2 share the same antenna path.
- 3) Bluetooth can transmit with WLAN TX1 simultaneously.

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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:

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

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 $(\text{SAR1} + \text{SAR2})^{1.5}/R_i$, 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 R_i is the separation distance between the peak

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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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Tablet mode SISO

Back side WWAN + 2.4GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 1 | Back side | WCDMA Band II | 0 | 0.026 | 0.672 | 0.698 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.672 | 0.731 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.672 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.672 | 0.710 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.672 | 0.726 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.672 | 0.673 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.672 | 0.704 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.672 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.672 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.672 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.672 | 0.675 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.672 | 0.714 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.672 | 0.675 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.672 | 0.728 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.672 | 0.742 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.672 | 0.733 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.672 | 0.744 | Σ SAR<1.6, Not required |

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Back side WWAN + 2.4 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 2 | Back side | WCDMA Band II | 0 | 0.026 | 0.730 | 0.756 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.730 | 0.789 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.730 | 0.732 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.730 | 0.768 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.730 | 0.784 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.730 | 0.731 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.730 | 0.762 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.730 | 0.732 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.730 | 0.732 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.730 | 0.732 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.730 | 0.733 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.730 | 0.772 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.730 | 0.733 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.730 | 0.786 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.730 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.730 | 0.791 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.730 | 0.802 | Σ SAR<1.6, Not required |

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Back side WWAN + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 3 | Back side | WCDMA Band II | 0 | 0.026 | 0.337 | 0.363 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.337 | 0.396 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.337 | 0.339 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.337 | 0.375 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.337 | 0.391 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.337 | 0.338 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.337 | 0.369 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.337 | 0.339 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.337 | 0.339 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.337 | 0.339 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.337 | 0.340 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.337 | 0.379 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.337 | 0.340 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.337 | 0.393 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.337 | 0.407 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.337 | 0.398 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.337 | 0.409 | Σ SAR<1.6, Not required |

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Back side WWAN + 5 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 4 | Back side | WCDMA Band II | 0 | 0.026 | 0.414 | 0.440 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.414 | 0.473 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.414 | 0.416 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.414 | 0.452 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.414 | 0.468 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.414 | 0.415 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.414 | 0.446 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.414 | 0.416 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.414 | 0.416 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.414 | 0.416 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.414 | 0.417 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.414 | 0.456 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.414 | 0.417 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.414 | 0.470 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.414 | 0.484 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.414 | 0.475 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.414 | 0.486 | Σ SAR<1.6, Not required |

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Back side WWAN + Bluetooth + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 5 | Back side | WCDMA Band II | 0 | 0.026 | 0.672 | 0.149 | 0.847 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.672 | 0.149 | 0.880 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.672 | 0.149 | 0.823 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.672 | 0.149 | 0.859 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.672 | 0.149 | 0.875 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.672 | 0.149 | 0.822 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.672 | 0.149 | 0.853 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.672 | 0.149 | 0.823 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.672 | 0.149 | 0.823 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.672 | 0.149 | 0.823 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.672 | 0.149 | 0.824 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.672 | 0.149 | 0.863 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.672 | 0.149 | 0.824 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.672 | 0.149 | 0.877 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.672 | 0.149 | 0.891 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.672 | 0.149 | 0.882 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.672 | 0.149 | 0.893 | Σ SAR<1.6, Not required |

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Back side WWAN + Bluetooth + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 6 | Back side | WCDMA Band II | 0 | 0.026 | 0.337 | 0.149 | 0.512 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.337 | 0.149 | 0.545 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.337 | 0.149 | 0.488 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.337 | 0.149 | 0.524 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.337 | 0.149 | 0.540 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.337 | 0.149 | 0.487 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.337 | 0.149 | 0.518 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.337 | 0.149 | 0.488 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.337 | 0.149 | 0.488 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.337 | 0.149 | 0.488 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.337 | 0.149 | 0.489 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.337 | 0.149 | 0.528 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.337 | 0.149 | 0.489 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.337 | 0.149 | 0.542 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.337 | 0.149 | 0.556 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.337 | 0.149 | 0.547 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.337 | 0.149 | 0.558 | Σ SAR<1.6, Not required |

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Top side WWAN + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 7 | Top side | WCDMA Band II | 0 | 0.105 | 1.165 | 1.270 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.165 | 1.261 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.165 | 1.200 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.165 | 1.275 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.165 | 1.269 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.165 | 1.200 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.165 | 1.514 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 1.165 | 1.212 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.165 | 1.196 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.165 | 1.196 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.165 | 1.216 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.165 | 1.298 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.165 | 1.202 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.165 | 1.462 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 1.165 | 1.391 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 1.165 | 1.361 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 1.165 | 1.272 | Σ SAR<1.6, Not required |

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Top side WWAN + 2.4 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 8 | Top side | WCDMA Band II | 0 | 0.105 | 1.173 | 1.278 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.173 | 1.269 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.173 | 1.208 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.173 | 1.283 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.173 | 1.277 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.173 | 1.208 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.173 | 1.522 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 1.173 | 1.220 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.173 | 1.204 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.173 | 1.204 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.173 | 1.224 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.173 | 1.306 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.173 | 1.210 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.173 | 1.470 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 1.173 | 1.399 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 1.173 | 1.369 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 1.173 | 1.280 | Σ SAR<1.6, Not required |

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Top side WWAN + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 9 | Top side | WCDMA Band II | 0 | 0.105 | 1.108 | 1.213 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.108 | 1.204 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.108 | 1.143 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.108 | 1.218 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.108 | 1.212 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.108 | 1.143 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.108 | 1.457 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 1.108 | 1.155 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.108 | 1.139 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.108 | 1.139 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.108 | 1.159 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.108 | 1.241 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.108 | 1.145 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.108 | 1.405 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 1.108 | 1.334 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 1.108 | 1.304 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 1.108 | 1.215 | Σ SAR<1.6, Not required |

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Top side WWAN + 5 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 10 | Top side | WCDMA Band II | 0 | 0.105 | 1.195 | 1.300 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.195 | 1.291 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.195 | 1.230 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.195 | 1.305 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.195 | 1.299 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.195 | 1.230 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.195 | 1.544 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 1.195 | 1.242 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.195 | 1.226 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.195 | 1.226 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.195 | 1.246 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.195 | 1.328 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.195 | 1.232 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.195 | 1.492 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 1.195 | 1.421 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 1.195 | 1.391 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 1.195 | 1.302 | Σ SAR<1.6, Not required |

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Top side WWAN + Bluetooth + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|-------|--------------|--------------------------------|
| 11 | Top side | WCDMA Band II | 0 | 0.105 | 1.165 | 0.265 | 1.535 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.165 | 0.265 | 1.526 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.165 | 0.265 | 1.465 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.165 | 0.265 | 1.540 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.165 | 0.265 | 1.534 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.165 | 0.265 | 1.465 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.165 | 0.265 | 1.779 | Analyzed as below |
| | | LTE Band 12 | 0 | 0.047 | 1.165 | 0.265 | 1.477 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.165 | 0.265 | 1.461 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.165 | 0.265 | 1.461 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.165 | 0.265 | 1.481 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.165 | 0.265 | 1.563 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.165 | 0.265 | 1.467 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.165 | 0.265 | 1.727 | Analyzed as below |
| | | LTE Band 38 | 0 | 0.226 | 1.165 | 0.265 | 1.656 | Analyzed as below |
| | | LTE Band 41 | 0 | 0.196 | 1.165 | 0.265 | 1.626 | Analyzed as below |
| | | LTE Band 66 | 0 | 0.107 | 1.165 | 0.265 | 1.537 | Σ SAR<1.6, Not required |

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Top side WWAN + Bluetooth + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|-------|--------------|--------------------------------|
| 12 | Top side | WCDMA Band II | 0 | 0.105 | 1.108 | 0.265 | 1.478 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 1.108 | 0.265 | 1.469 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 1.108 | 0.265 | 1.408 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 1.108 | 0.265 | 1.483 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 1.108 | 0.265 | 1.477 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 1.108 | 0.265 | 1.408 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 1.108 | 0.265 | 1.722 | Analyzed as below |
| | | LTE Band 12 | 0 | 0.047 | 1.108 | 0.265 | 1.420 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 1.108 | 0.265 | 1.404 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 1.108 | 0.265 | 1.404 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 1.108 | 0.265 | 1.424 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 1.108 | 0.265 | 1.506 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 1.108 | 0.265 | 1.410 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 1.108 | 0.265 | 1.670 | Analyzed as below |
| | | LTE Band 38 | 0 | 0.226 | 1.108 | 0.265 | 1.599 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 1.108 | 0.265 | 1.569 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 1.108 | 0.265 | 1.480 | Σ SAR<1.6, Not required |

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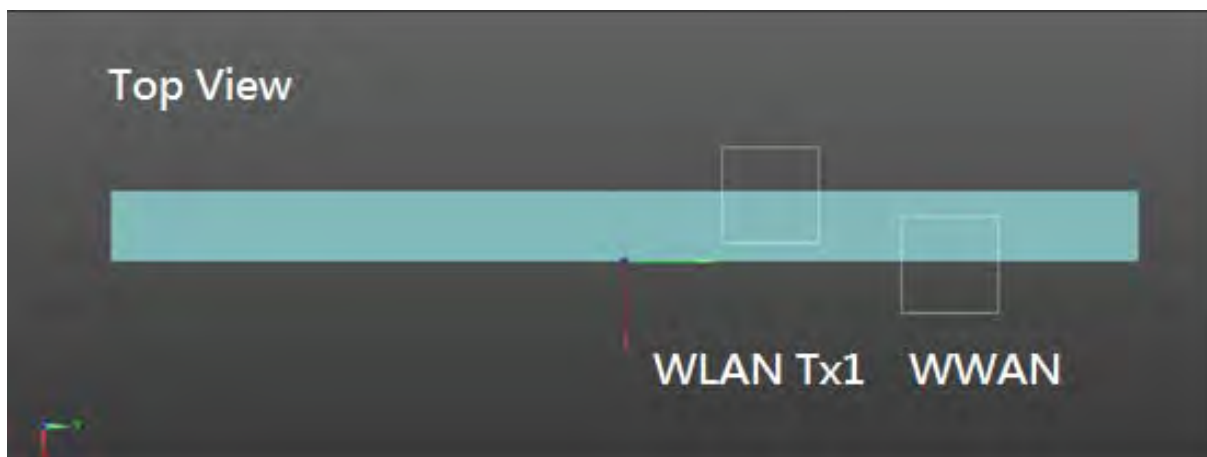
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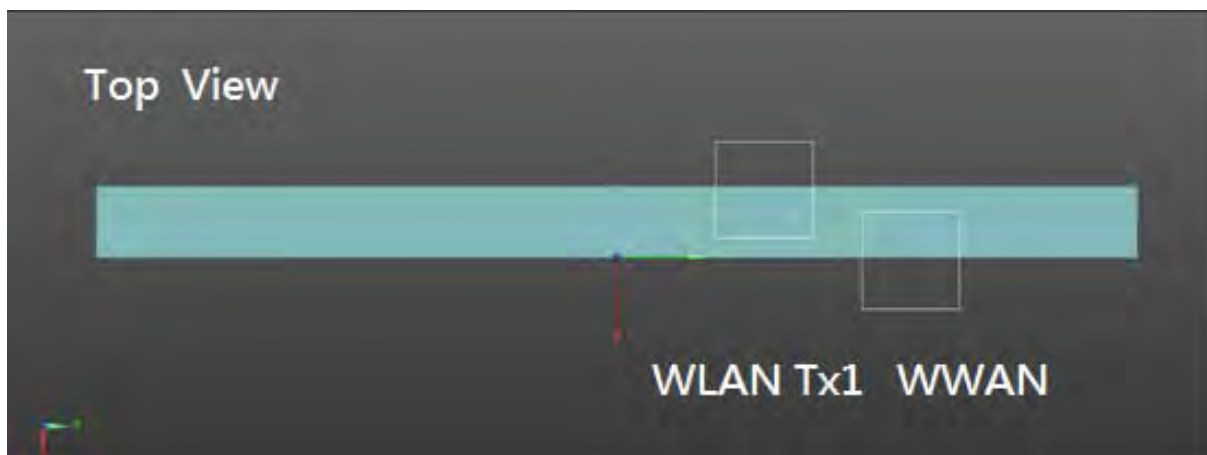
Top side_WLAN 2.4G Tx1 to WWAN

| Position | Conditions | SAR Value (W/kg) | Coordinates (cm) | | | Σ SAR (W/kg) | Peak Location Separation Distance (mm) | SPLSR | Simultaneous Transmission SAR Test |
|----------|---------------|------------------|------------------|-------|-------|---------------------|--|-------|------------------------------------|
| | | | x | y | z | | | | |
| Top side | WLAN 2.4G Tx1 | 1.165 | -1.58 | 2.04 | -0.33 | - | - | - | - |
| | LTE Band 7 | 0.349 | 0.20 | 10.42 | -0.25 | 1.514 | 85.67 | 0.022 | SPLSR \leq 0.04, Not required |
| | LTE Band 30 | 0.297 | 0.20 | 9.14 | -0.26 | 1.729 | 73.20 | 0.024 | SPLSR \leq 0.04, Not required |
| | LTE Band 38 | 0.226 | 0.22 | 9.22 | -0.26 | 1.391 | 74.03 | 0.022 | SPLSR \leq 0.04, Not required |
| | LTE Band 41 | 0.196 | 0.10 | 9.24 | -0.25 | 1.613 | 73.94 | 0.021 | SPLSR \leq 0.04, Not required |

Top side_WLAN 2.4G Tx1 to LTE Band 7



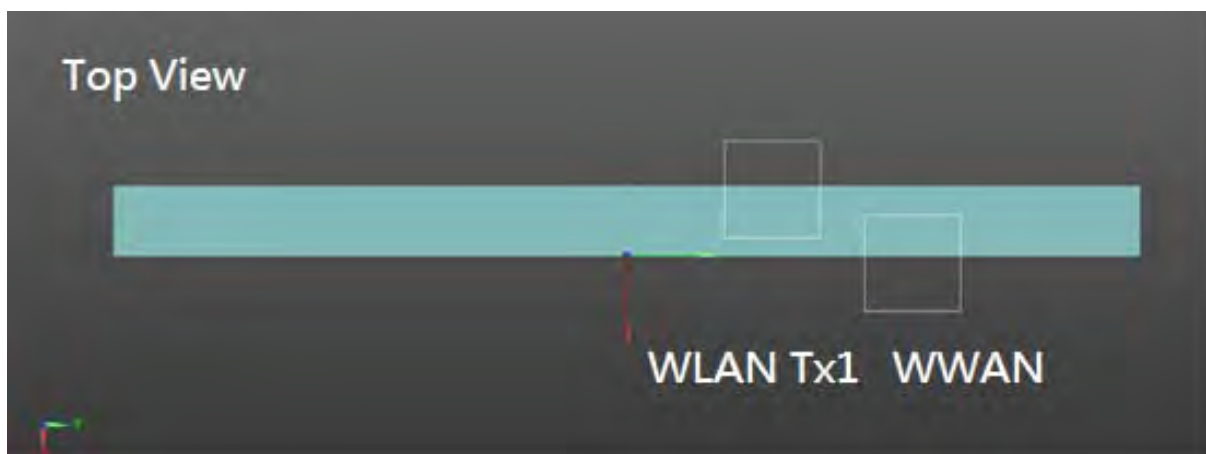
Top side_WLAN 2.4G Tx1 to LTE Band 30



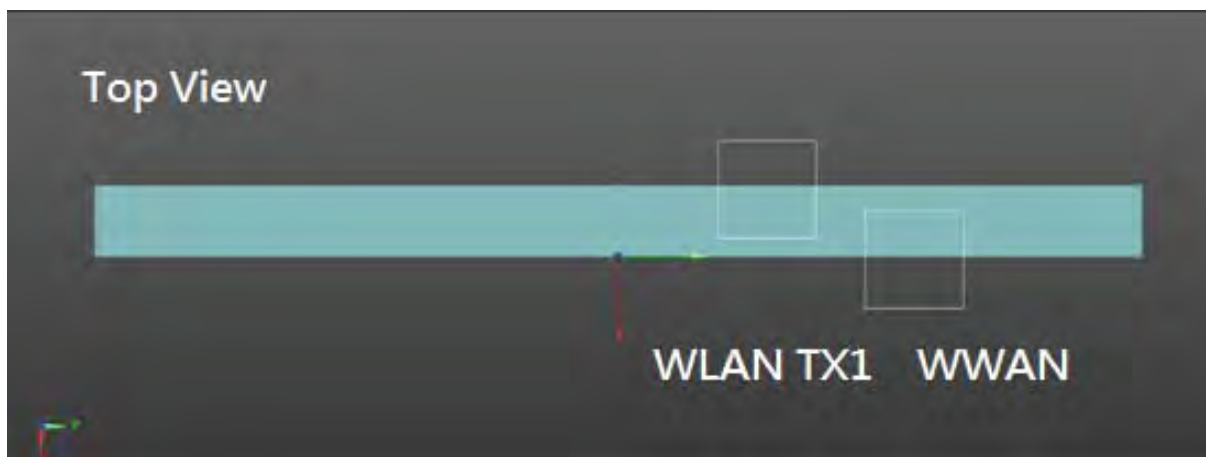
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Top side_ WLAN 2.4G Tx1 to LTE Band 38



Top side_ WLAN 2.4G Tx1 to LTE Band 41



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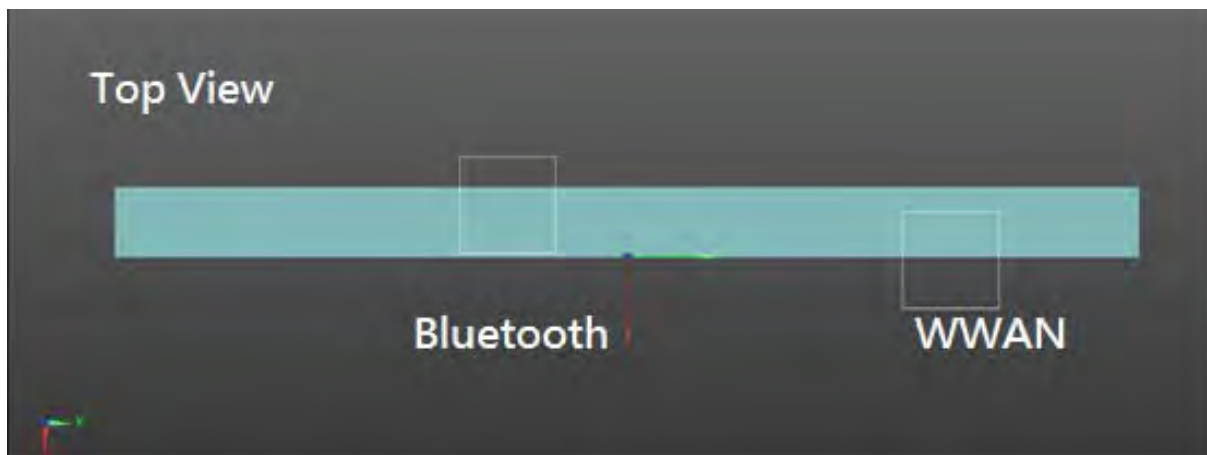
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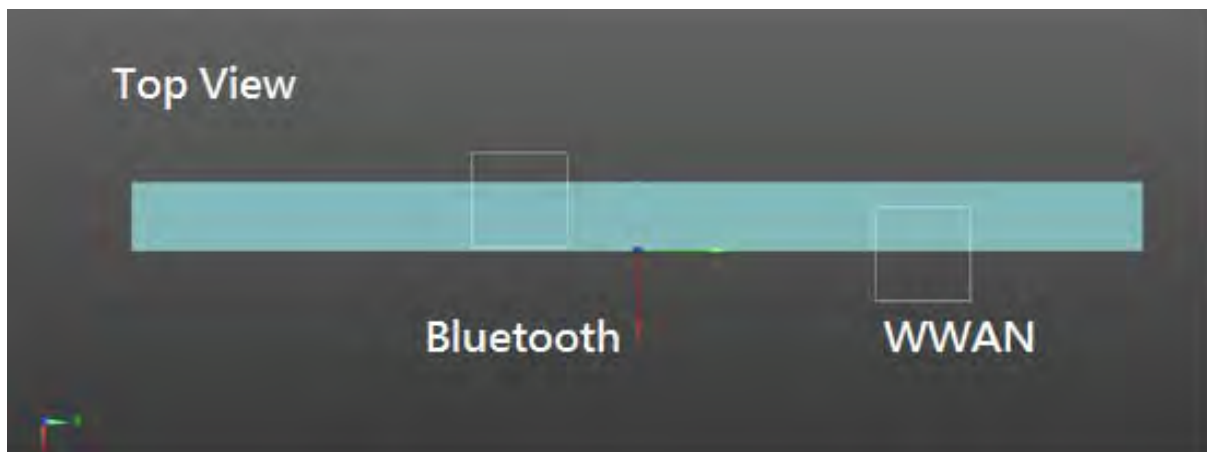
Top side_BT to WWAN

| Position | Conditions | SAR Value (W/kg) | Coordinates (cm) | | | Σ SAR (W/kg) | Peak Location Separation Distance (mm) | SPLSR | Simultaneous Transmission SAR Test |
|----------|-------------|------------------|------------------|-------|-------|---------------------|--|-------|------------------------------------|
| | | | x | y | z | | | | |
| Top side | Bluetooth | 0.265 | -1.52 | -4.02 | -0.38 | - | - | - | - |
| | LTE Band 7 | 0.349 | 0.20 | 10.42 | -0.25 | 0.614 | 145.43 | 0.003 | SPLSR \leq 0.04, Not required |
| | LTE Band 30 | 0.297 | 0.20 | 9.14 | -0.26 | 1.729 | 132.72 | 0.003 | SPLSR \leq 0.04, Not required |
| | LTE Band 38 | 0.226 | 0.22 | 9.22 | -0.26 | 0.491 | 133.54 | 0.003 | SPLSR \leq 0.04, Not required |
| | LTE Band 41 | 0.196 | 0.10 | 9.24 | -0.25 | 1.613 | 133.59 | 0.002 | SPLSR \leq 0.04, Not required |

Top side_Bluetooth to LTE Band 7



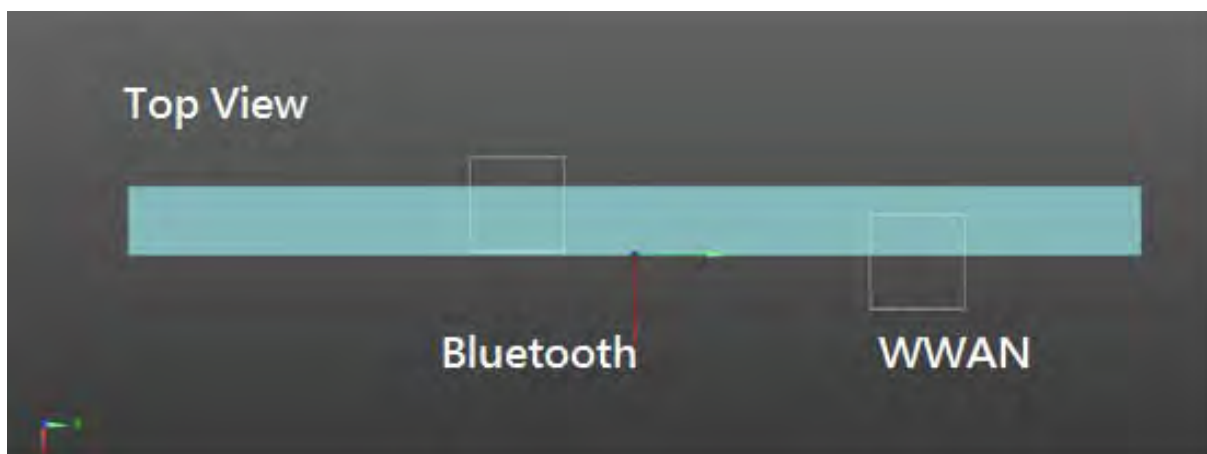
Top side_Bluetooth to LTE Band 30



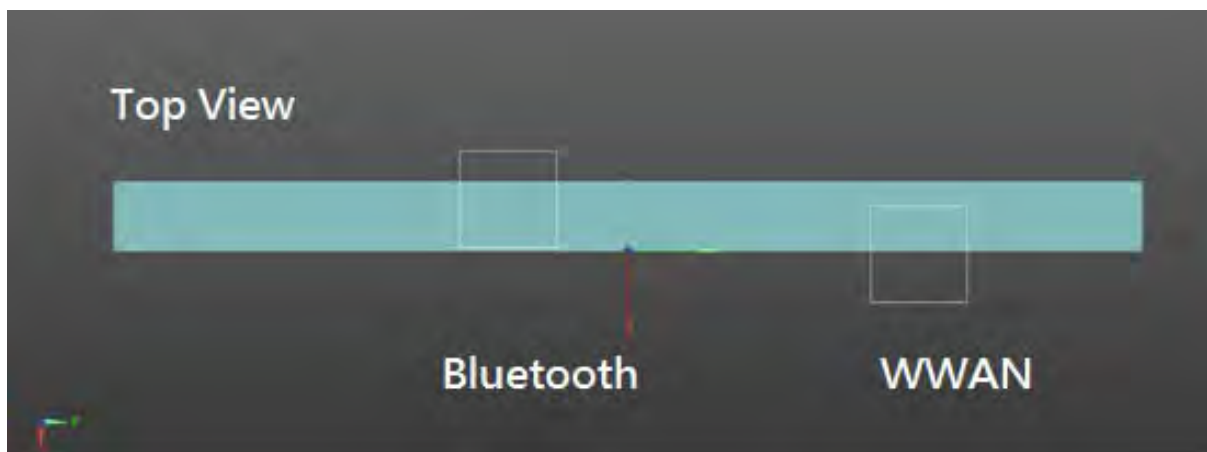
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Top side_Bluetooth to LTE Band 38



Top side_Bluetooth to LTE Band 41



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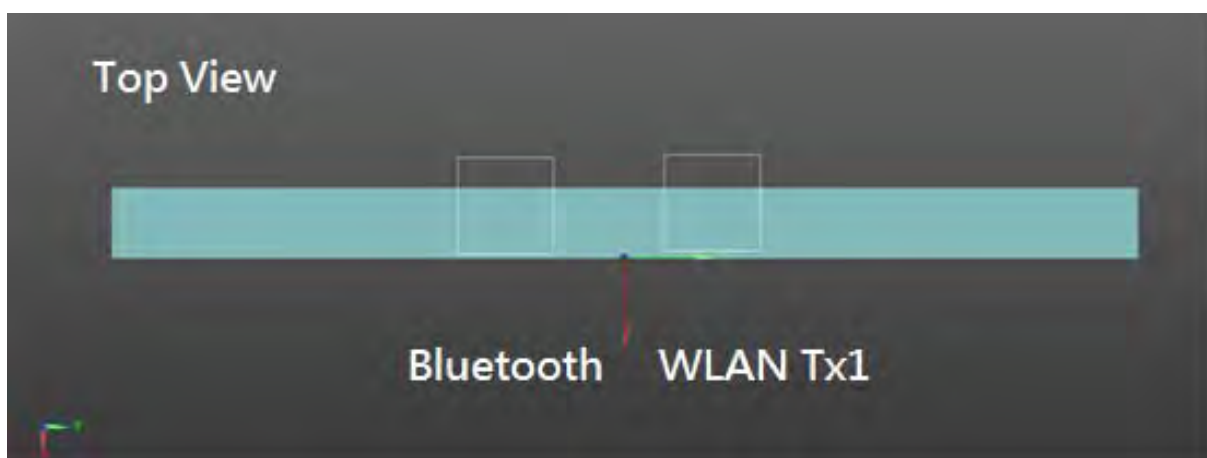
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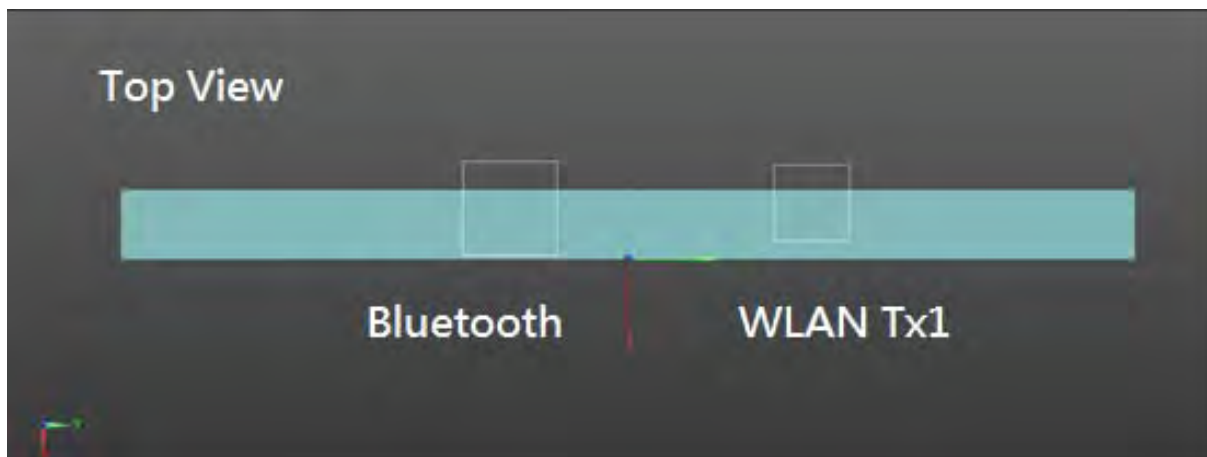
Top WLAN Tx1 to WLAN

| Position | Conditions | SAR Value (W/kg) | Coordinates (cm) | | | Σ SAR (W/kg) | Peak Location Separation Distance (mm) | SPLSR | Simultaneous Transmission SAR Test |
|----------|---------------|------------------|------------------|-------|-------|---------------------|--|-------|------------------------------------|
| | | | x | y | z | | | | |
| Top side | Bluetooth | 0.265 | -1.52 | -4.02 | -0.38 | - | - | - | - |
| | WLAN 2.4G Tx1 | 1.165 | -1.58 | 2.04 | -0.33 | 1.430 | 60.61 | 0.028 | SPLSR \leq 0.04, Not required |
| | WLAN 5G Tx1 | 1.108 | -3.22 | 6.40 | -0.33 | 1.729 | 105.58 | 0.015 | SPLSR \leq 0.04, Not required |

Top side_Bluetooth to WLAN 2.4G Tx1



Top side_Bluetooth to WLAN 5G Tx1



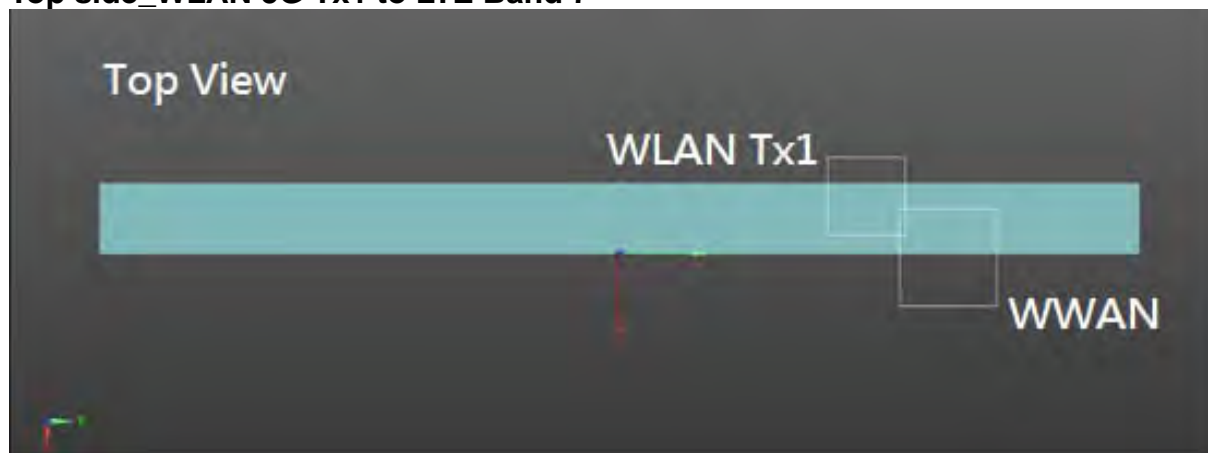
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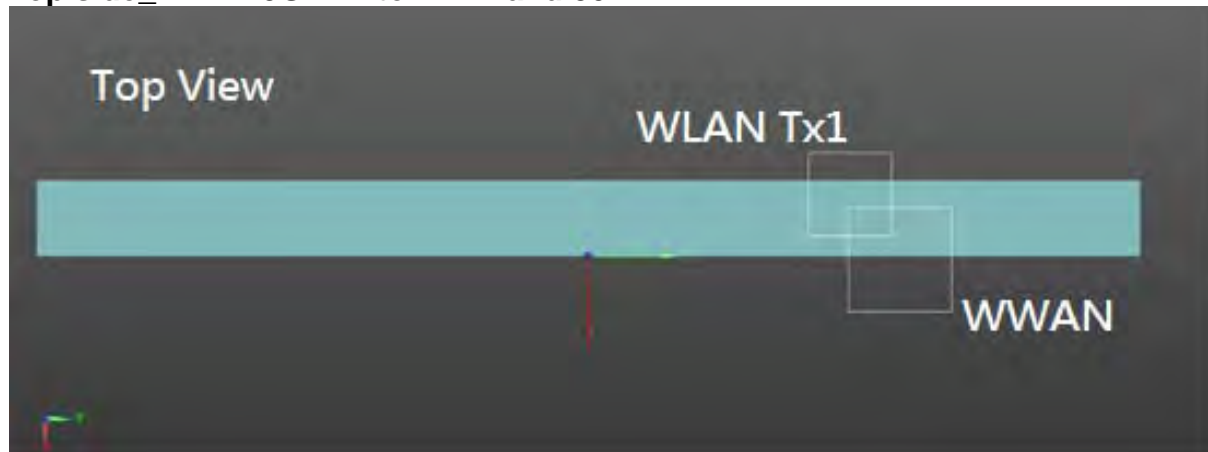
Top side_WLAN 5G Tx1 to WWAN

| Position | Conditions | SAR Value (W/kg) | Coordinates (cm) | | | ΣSAR (W/kg) | Peak Location Separation Distance (mm) | SPLSR | Simultaneous Transmission SAR Test |
|----------|-------------|------------------|------------------|-------|-------|-------------|--|-------|------------------------------------|
| | | | x | y | z | | | | |
| Top side | WLAN 5G Tx1 | 1.108 | -3.22 | 6.40 | -0.33 | - | - | - | - |
| | LTE Band 7 | 0.349 | 0.20 | 10.42 | -0.25 | 1.457 | 52.79 | 0.033 | SPLSR ≤ 0.04, Not required |
| | LTE Band 30 | 0.297 | 0.20 | 9.14 | -0.26 | 1.729 | 43.83 | 0.038 | SPLSR ≤ 0.04, Not required |

Top side_WLAN 5G Tx1 to LTE Band 7



Top side_WLAN 5G Tx1 to LTE Band 30



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Right side WWAN + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 13 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.640 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 1.124 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.449 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.604 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 1.043 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.454 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.532 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.434 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.435 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.443 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.436 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.612 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.457 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.502 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.520 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.516 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 1.105 | Σ SAR<1.6, Not required |

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Right side WWAN + 2.4 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 14 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.640 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 1.124 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.449 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.604 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 1.043 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.454 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.532 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.434 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.435 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.443 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.436 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.612 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.457 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.502 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.520 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.516 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 1.105 | Σ SAR<1.6, Not required |

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Right side WWAN + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 15 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.640 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 1.124 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.449 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.604 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 1.043 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.454 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.532 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.434 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.435 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.443 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.436 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.612 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.457 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.502 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.520 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.516 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 1.105 | Σ SAR<1.6, Not required |

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Right side WWAN + 5 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 16 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.640 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 1.124 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.449 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.604 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 1.043 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.454 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.532 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.434 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.435 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.443 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.436 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.612 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.457 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.502 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.520 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.516 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 1.105 | Σ SAR<1.6, Not required |

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Right side WWAN + Bluetooth + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 17 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Right side WWAN + Bluetooth + 5 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 18 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Left side WWAN + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 19 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |

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Left side WWAN + 2.4 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 20 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |

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Left side WWAN + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Main | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|----------------|---------|--------------------------------|
| 27 | Left side | WCDMA Band II | 0 | 0.043 | 0.019 | 0.062 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.091 | 0.019 | 0.110 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.019 | 0.019 | 0.038 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.041 | 0.019 | 0.060 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.060 | 0.019 | 0.079 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.028 | 0.019 | 0.047 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.046 | 0.019 | 0.065 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.053 | 0.019 | 0.072 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.059 | 0.019 | 0.078 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.050 | 0.019 | 0.069 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.047 | 0.019 | 0.066 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.027 | 0.019 | 0.046 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.011 | 0.019 | 0.030 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.020 | 0.019 | 0.039 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.012 | 0.019 | 0.031 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.046 | 0.019 | 0.065 | Σ SAR<1.6, Not required |

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Left side WWAN + 5 GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------|--------------------------------|
| 22 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | Σ SAR<1.6, Not required |

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Left side WWAN + Bluetooth + 2.4 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 23 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Left side WWAN + Bluetooth + 5 GHz WLAN Tx1

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 24 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Tablet mode

MIMO

Back side WWAN + 2.4GHz WLAN Tx1 + 2.4GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 1 | Back side | WCDMA Band II | 0 | 0.026 | 0.229 | 0.330 | 0.585 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.229 | 0.330 | 0.618 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.229 | 0.330 | 0.561 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.229 | 0.330 | 0.597 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.229 | 0.330 | 0.613 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.229 | 0.330 | 0.560 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.229 | 0.330 | 0.591 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.229 | 0.330 | 0.561 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.229 | 0.330 | 0.561 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.229 | 0.330 | 0.561 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.229 | 0.330 | 0.562 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.229 | 0.330 | 0.601 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.229 | 0.330 | 0.562 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.229 | 0.330 | 0.615 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.229 | 0.330 | 0.629 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.229 | 0.330 | 0.620 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.229 | 0.330 | 0.631 | Σ SAR<1.6, Not required |

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Back side WWAN + 2.4GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 2 | Back side | WCDMA Band II | 0 | 0.026 | 0.229 | 0.149 | 0.404 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.229 | 0.149 | 0.437 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.229 | 0.149 | 0.380 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.229 | 0.149 | 0.416 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.229 | 0.149 | 0.432 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.229 | 0.149 | 0.379 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.229 | 0.149 | 0.410 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.229 | 0.149 | 0.380 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.229 | 0.149 | 0.380 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.229 | 0.149 | 0.380 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.229 | 0.149 | 0.381 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.229 | 0.149 | 0.420 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.229 | 0.149 | 0.381 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.229 | 0.149 | 0.434 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.229 | 0.149 | 0.448 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.229 | 0.149 | 0.439 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.229 | 0.149 | 0.450 | Σ SAR<1.6, Not required |

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Back side WWAN + 5GHz WLAN Tx1 +5GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 3 | Back side | WCDMA Band II | 0 | 0.026 | 0.126 | 0.149 | 0.301 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.126 | 0.149 | 0.334 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.126 | 0.149 | 0.313 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.126 | 0.149 | 0.329 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.126 | 0.149 | 0.276 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.126 | 0.149 | 0.307 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.126 | 0.149 | 0.278 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.126 | 0.149 | 0.317 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.126 | 0.149 | 0.278 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.126 | 0.149 | 0.331 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.126 | 0.149 | 0.345 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.126 | 0.149 | 0.336 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.126 | 0.149 | 0.347 | Σ SAR<1.6, Not required |

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Back side WWAN + 5GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 4 | Back side | WCDMA Band II | 0 | 0.026 | 0.126 | 0.149 | 0.301 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.059 | 0.126 | 0.149 | 0.334 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.038 | 0.126 | 0.149 | 0.313 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.054 | 0.126 | 0.149 | 0.329 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.001 | 0.126 | 0.149 | 0.276 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.032 | 0.126 | 0.149 | 0.307 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.002 | 0.126 | 0.149 | 0.277 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.003 | 0.126 | 0.149 | 0.278 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.042 | 0.126 | 0.149 | 0.317 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.003 | 0.126 | 0.149 | 0.278 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.056 | 0.126 | 0.149 | 0.331 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.070 | 0.126 | 0.149 | 0.345 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.061 | 0.126 | 0.149 | 0.336 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.072 | 0.126 | 0.149 | 0.347 | Σ SAR<1.6, Not required |

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Top side WWAN + 2.4GHz WLAN Tx1 + 2.4GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 5 | Top side | WCDMA Band II | 0 | 0.105 | 0.369 | 0.571 | 1.045 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 0.369 | 0.571 | 1.036 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 0.369 | 0.571 | 0.975 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 0.369 | 0.571 | 1.050 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 0.369 | 0.571 | 1.044 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 0.369 | 0.571 | 0.975 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 0.369 | 0.571 | 1.289 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 0.369 | 0.571 | 0.987 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 0.369 | 0.571 | 0.971 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 0.369 | 0.571 | 0.971 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 0.369 | 0.571 | 0.991 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 0.369 | 0.571 | 1.073 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 0.369 | 0.571 | 0.977 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 0.369 | 0.571 | 1.237 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 0.369 | 0.571 | 1.166 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 0.369 | 0.571 | 1.136 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 0.369 | 0.571 | 1.047 | Σ SAR<1.6, Not required |

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Top side WWAN + 2.4GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 6 | Top side | WCDMA Band II | 0 | 0.105 | 0.369 | 0.265 | 0.739 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 0.369 | 0.265 | 0.730 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 0.369 | 0.265 | 0.669 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 0.369 | 0.265 | 0.744 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 0.369 | 0.265 | 0.738 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 0.369 | 0.265 | 0.669 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 0.369 | 0.265 | 0.983 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 0.369 | 0.265 | 0.681 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 0.369 | 0.265 | 0.665 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 0.369 | 0.265 | 0.665 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 0.369 | 0.265 | 0.685 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 0.369 | 0.265 | 0.767 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 0.369 | 0.265 | 0.671 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 0.369 | 0.265 | 0.931 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 0.369 | 0.265 | 0.860 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 0.369 | 0.265 | 0.830 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 0.369 | 0.265 | 0.741 | Σ SAR<1.6, Not required |

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Top side WWAN + 5GHz WLAN Tx1 +5GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 7 | Top side | WCDMA Band II | 0 | 0.105 | 0.378 | 0.502 | 0.985 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 0.378 | 0.502 | 0.976 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 0.378 | 0.502 | 0.915 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 0.378 | 0.502 | 0.990 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 0.378 | 0.502 | 0.984 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 0.378 | 0.502 | 0.915 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 0.378 | 0.502 | 1.229 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 0.378 | 0.502 | 0.927 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 0.378 | 0.502 | 0.911 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 0.378 | 0.502 | 0.911 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 0.378 | 0.502 | 0.931 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 0.378 | 0.502 | 1.013 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 0.378 | 0.502 | 0.917 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 0.378 | 0.502 | 1.177 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 0.378 | 0.502 | 1.106 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 0.378 | 0.502 | 1.076 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 0.378 | 0.502 | 0.987 | Σ SAR<1.6, Not required |

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Top side WWAN + 5GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 8 | Top side | WCDMA Band II | 0 | 0.105 | 0.378 | 0.265 | 0.748 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.096 | 0.378 | 0.265 | 0.739 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.035 | 0.378 | 0.265 | 0.678 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.110 | 0.378 | 0.265 | 0.753 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.104 | 0.378 | 0.265 | 0.747 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.035 | 0.378 | 0.265 | 0.678 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.349 | 0.378 | 0.265 | 0.992 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.047 | 0.378 | 0.265 | 0.690 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.031 | 0.378 | 0.265 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.031 | 0.378 | 0.265 | 0.674 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.051 | 0.378 | 0.265 | 0.694 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.133 | 0.378 | 0.265 | 0.776 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.037 | 0.378 | 0.265 | 0.680 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.297 | 0.378 | 0.265 | 0.940 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.226 | 0.378 | 0.265 | 0.869 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.196 | 0.378 | 0.265 | 0.839 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.107 | 0.378 | 0.265 | 0.750 | Σ SAR<1.6, Not required |

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Right side WWAN + 2.4GHz WLAN Tx1 + 2.4GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 9 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Right side WWAN + 2.4GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 10 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Right side WWAN + 5GHz WLAN Tx1 +5GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 11 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Right side WWAN + 5GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|------------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 12 | Right side | WCDMA Band II | 0 | 0.240 | 0.400 | 0.400 | 1.040 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | 0.724 | 0.400 | 0.400 | 1.524 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | 0.049 | 0.400 | 0.400 | 0.849 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | 0.204 | 0.400 | 0.400 | 1.004 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | 0.643 | 0.400 | 0.400 | 1.443 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | 0.054 | 0.400 | 0.400 | 0.854 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | 0.132 | 0.400 | 0.400 | 0.932 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | 0.034 | 0.400 | 0.400 | 0.834 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | 0.035 | 0.400 | 0.400 | 0.835 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | 0.043 | 0.400 | 0.400 | 0.843 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | 0.036 | 0.400 | 0.400 | 0.836 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | 0.212 | 0.400 | 0.400 | 1.012 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | 0.057 | 0.400 | 0.400 | 0.857 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | 0.102 | 0.400 | 0.400 | 0.902 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | 0.120 | 0.400 | 0.400 | 0.920 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | 0.116 | 0.400 | 0.400 | 0.916 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | 0.705 | 0.400 | 0.400 | 1.505 | Σ SAR<1.6, Not required |

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Left side WWAN + 2.4GHz WLAN Tx1 + 2.4GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 13 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Left side WWAN + 2.4GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 14 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Left side WWAN + 5GHz WLAN Tx1 +5GHz WLAN Tx2

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|---------------|---------|--------------------------------|
| 15 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Left side WWAN + 5GHz WLAN Tx1 + Bluetooth

| No. | Position | Conditions | Distance (mm) | Max. WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|-----------|---------------|---------------|-----------|---------------|-------|---------|--------------------------------|
| 16 | Left side | WCDMA Band II | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band IV | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | WCDMA Band V | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 2 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 4 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 5 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 7 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 12 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 13 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 14 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 17 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 25 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 26 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 30 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 38 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 41 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |
| | | LTE Band 66 | 0 | - | 0.400 | 0.400 | 0.800 | Σ SAR<1.6, Not required |

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Notebook mode

WWAN + 2.4 GHz WLAN MIMO Tx1 + 2.4 GHz WLAN MIMO Tx2

| No. | Conditions | Position | WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|--|-------------|------|---------------|---------------|---------|-----------------------------------|
| 1 | WWAN + 2.4 GHz WLAN Tx1 + WLAN Tx2 | Bottom side | - | 0.250 | 0.314 | 0.564 | Σ SAR<1.6, Not required |

WWAN + 5 GHz WLAN MIMO Tx1 + 5 GHz WLAN MIMO Tx2

| No. | Conditions | Position | WWAN | Max. WLAN Tx1 | Max. WLAN Tx2 | SAR Sum | SPLSR |
|-----|--|-------------|------|---------------|---------------|---------|-----------------------------------|
| 2 | WWAN + 5 GHz WLAN Tx1 + WLAN Tx2 | Bottom side | - | 0.381 | 0.482 | 0.863 | Σ SAR<1.6, Not required |

WWAN + BT+ 2.4GHz WLAN SISO Tx1

| No. | Conditions | Position | WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|------------------------------------|-------------|------|---------------|-------|---------|-----------------------------------|
| 3 | WWAN + 2.4 GHz WLAN Tx1 + BT | Bottom side | - | 0.928 | 0.123 | 1.051 | Σ SAR<1.6, Not required |

WWAN + BT+ 5GHz WLAN SISO Tx1

| No. | Conditions | Position | WWAN | Max. WLAN Tx1 | BT | SAR Sum | SPLSR |
|-----|----------------------------------|-------------|------|---------------|-------|---------|-----------------------------------|
| 4 | WWAN + 5 GHz WLAN Tx1 + BT | Bottom side | - | 1.055 | 0.123 | 1.178 | Σ SAR<1.6, Not required |

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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 | 3770 | Apr.29,2019 | Apr.28,2020 |
| 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 |
| | | D2300V2 | 1023 | Aug.26,2019 | Aug.25,2020 |
| | | 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 | 856 | Apr.24,2019 | Apr.23,2020 |
| SPEAG | Software | DASY 52 V52.8.8 | N/A | Calibration not required | Calibration not required |
| SPEAG | Phantom | ELI | N/A | Calibration not required | Calibration not required |
| Agilent | Network Analyzer | 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 |

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| Manufacturer | Device | Type | Serial number | Date of last calibration | Date of next calibration |
|--------------|--------------------------|----------|---------------|--------------------------|--------------------------|
| Agilent | RF 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 |
| Agilent | Radio Communication Test | MT8820C | 6201061049 | Dec.27,2018 | Dec.26,2019 |

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5. Measurements

Date: 2019/12/18

WCDMA Band II_Body_Right side_CH 9262_0mm

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.253$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.23, 8.23, 8.23); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

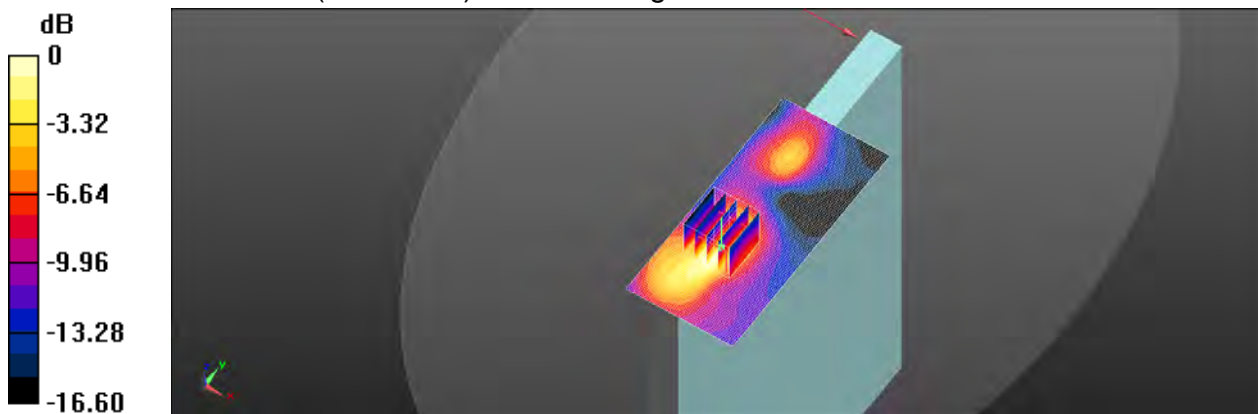
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.996 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.276 W/kg



0 dB = 0.276 W/kg = -5.59 dBW/kg

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Date: 2019/12/18

WCDMA Band IV_Body_Right side_CH 1513_0mm

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 39.436$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.802 W/kg

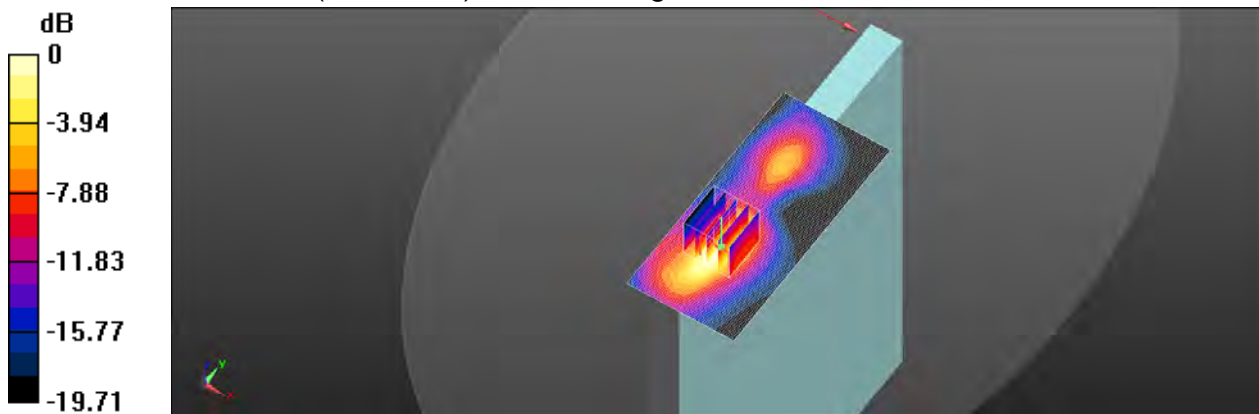
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.99 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.807 W/kg = -0.93 dBW/kg

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Date: 2019/12/17

WCDMA Band V_Body_Right side_CH 4132_0mm

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 42.906$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.44, 9.44, 9.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.0606 W/kg

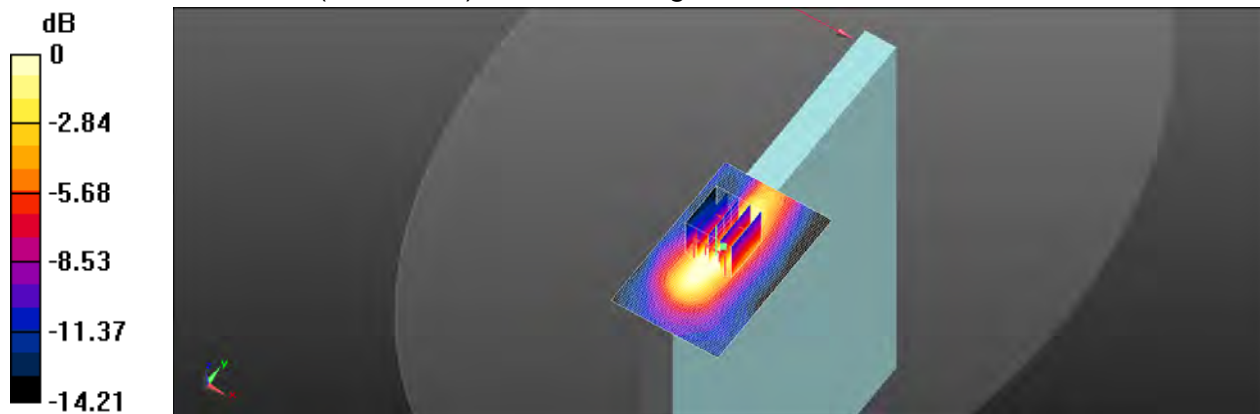
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.099 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0740 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.0509 W/kg



0 dB = 0.0509 W/kg = -12.93 dBW/kg

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Date: 2019/12/18

LTE Band 2 (20MHz)_Body_Right side_CH 18700_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.072$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.23, 8.23, 8.23); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.258 W/kg

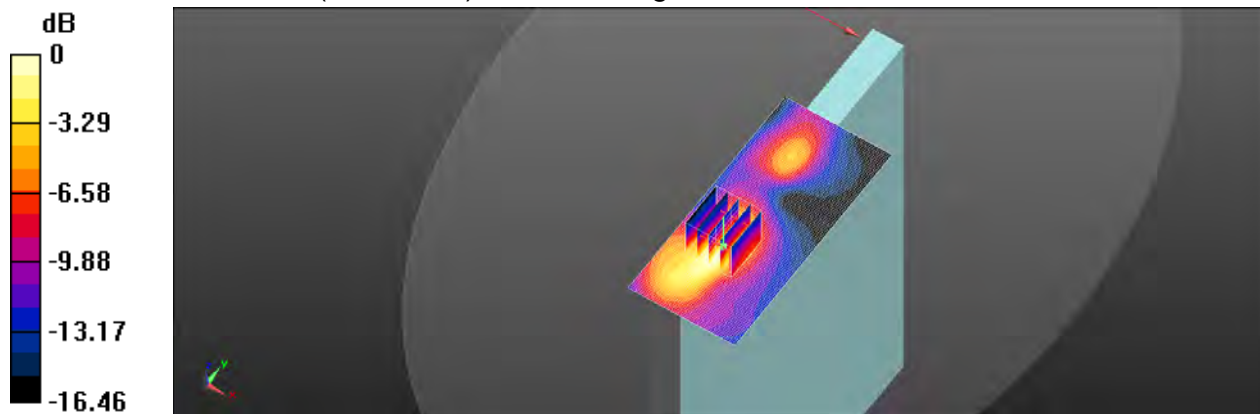
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.464 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg = -5.88 dBW/kg

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Date: 2019/12/18

LTE Band 4 (20MHz)_Body_Right side_CH 20300_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.315 \text{ S/m}$; $\epsilon_r = 39.456$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.758 W/kg

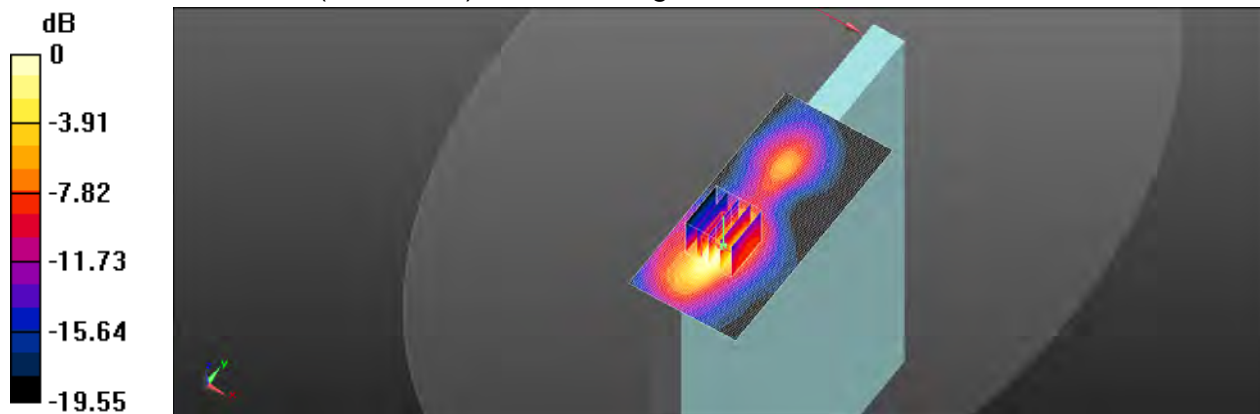
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.48 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.959 W/kg

SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = -1.18 dBW/kg

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Date: 2019/12/17

LTE Band 5 (10MHz)_Body_Right side_CH 20525_QPSK_1-49_0mm

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.799$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.44, 9.44, 9.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x81x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.0645 W/kg

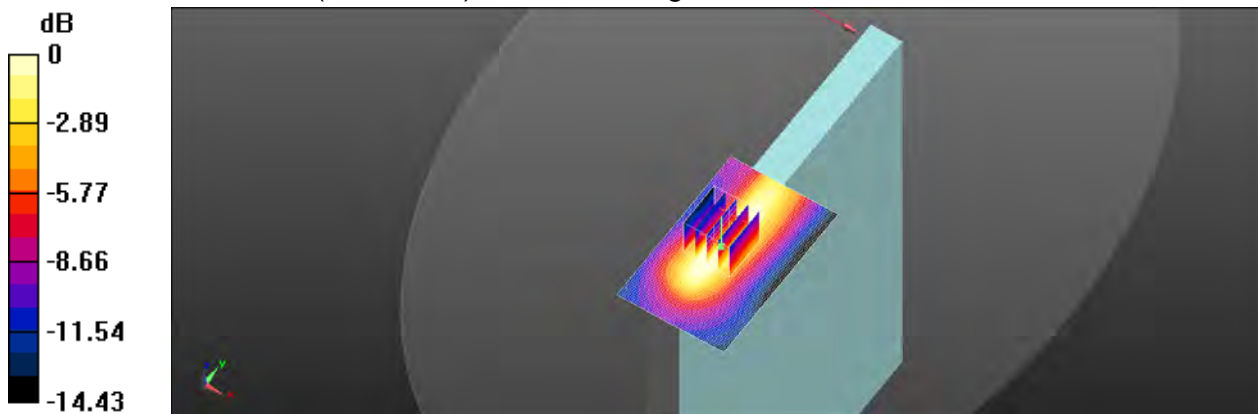
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.477 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0574 W/kg



0 dB = 0.0574 W/kg = -12.41 dBW/kg

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Date: 2019/12/19

LTE Band 7 (20MHz)_Body_Top side_CH 21100_QPSK_1-99_0mm

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.875$ S/m; $\epsilon_r = 37.791$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.3, 7.3, 7.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.421 W/kg

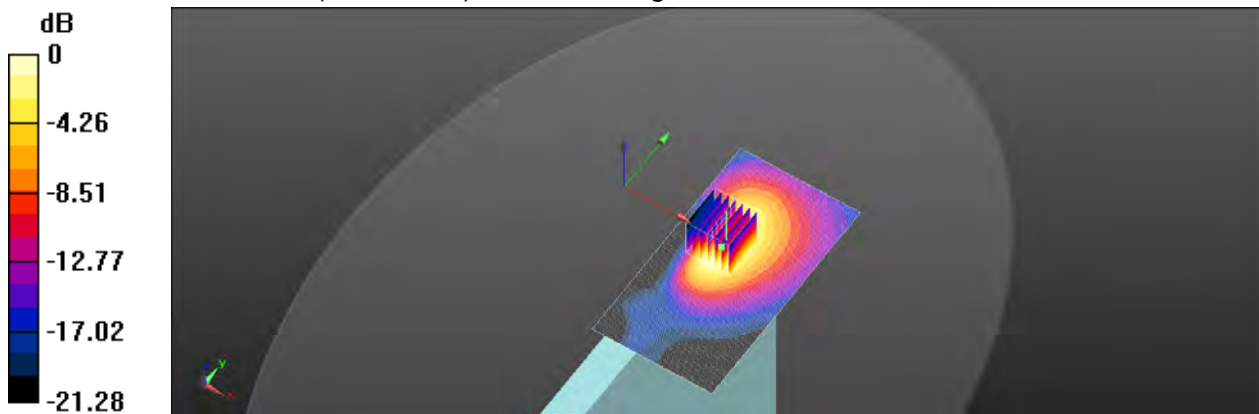
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.554 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.486 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

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Date: 2019/12/17

LTE Band 12 (10MHz)_Body_Top side_CH 23130_QPSK_1-0_0mm

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711$ MHz; $\sigma = 0.867$ S/m; $\epsilon_r = 43.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.68, 9.68, 9.68); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.0446 W/kg

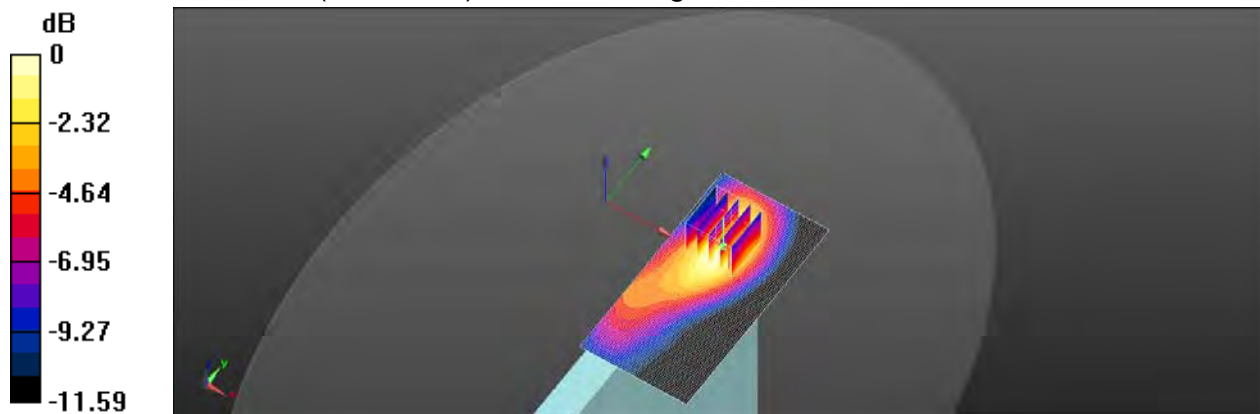
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.289 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0520 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0451 W/kg



0 dB = 0.0451 W/kg = -13.46 dBW/kg

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Date: 2019/12/17

LTE Band 13 (10MHz)_Body_Right side_CH 23230_QPSK_1-25_0mm

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 42.545$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.6°C ; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.68, 9.68, 9.68); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0413 W/kg

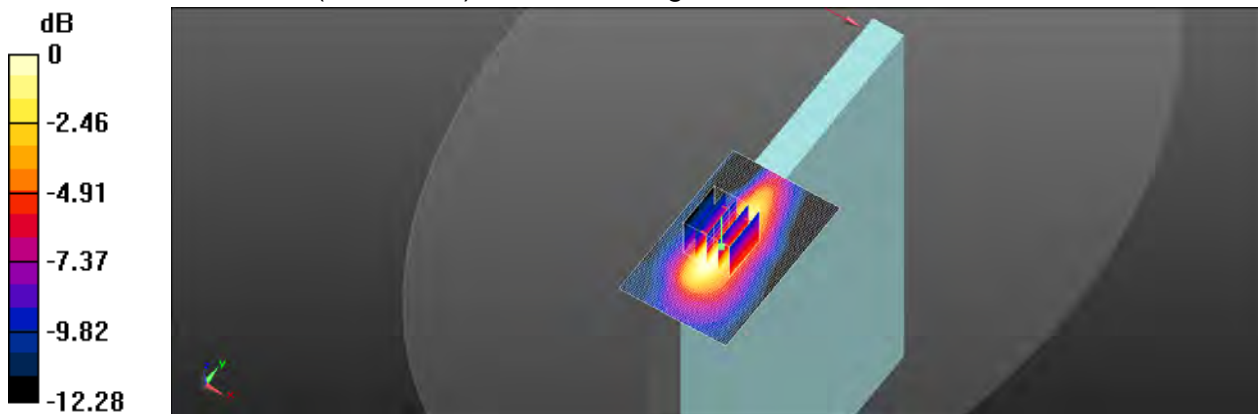
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.241 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.026 W/kg ; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0349 W/kg



0 dB = 0.0349 W/kg = -14.57 dBW/kg

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Date: 2019/12/17

LTE Band 14 (10MHz)_Body_Right side_CH 23330_QPSK_1-49_0mm

Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 42.342$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.6°C ; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.68, 9.68, 9.68); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0497 W/kg

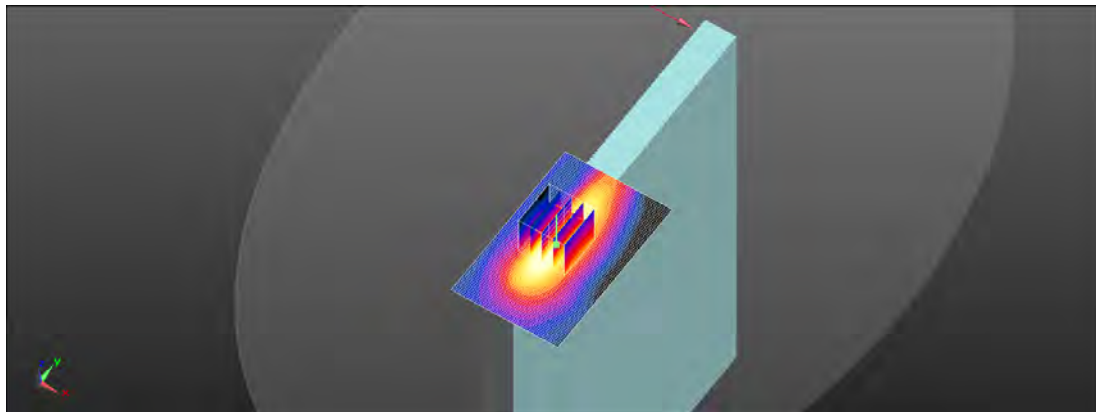
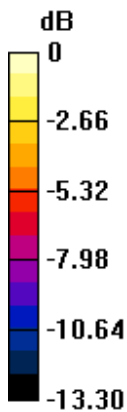
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.052 V/m ; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.032 W/kg ; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0428 W/kg



0 dB = 0.0428 W/kg = -13.69 dBW/kg

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Date: 2019/12/17

LTE Band 17 (10MHz)_Body_Top side_CH 23780_QPSK_1-0_0mm

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 709$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 43.408$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.6°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.68, 9.68, 9.68); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x101x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.0467 W/kg

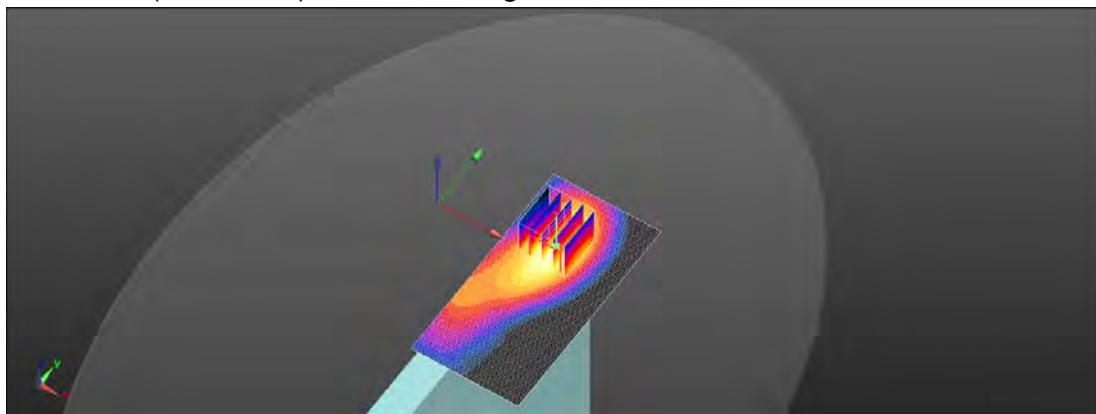
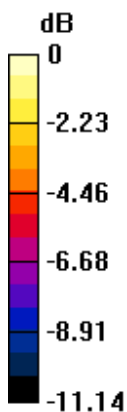
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.295 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0550 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0475 W/kg



0 dB = 0.0475 W/kg = -13.23 dBW/kg

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Date: 2019/12/18

LTE Band 25 (20MHz)_Body_Right side_CH 26140_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.072$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.23, 8.23, 8.23); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.262 W/kg

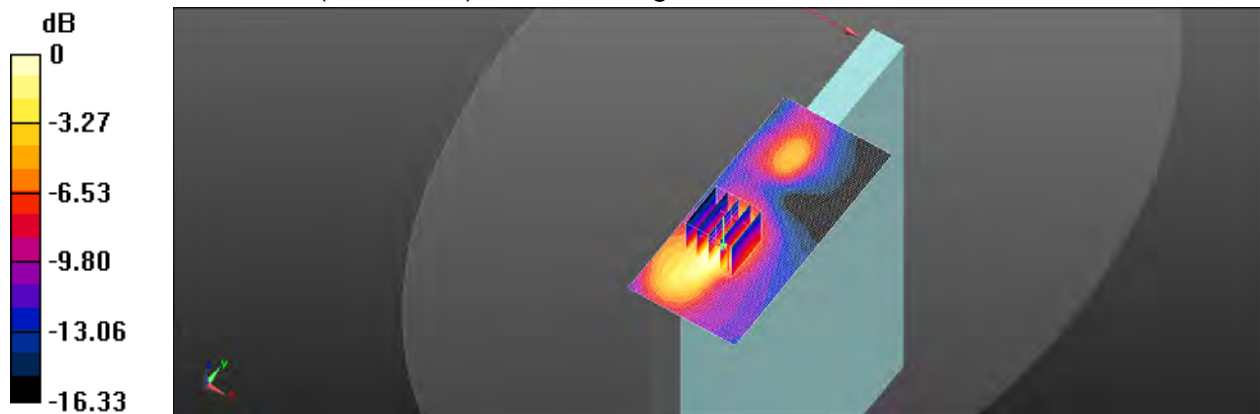
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.372 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.259 W/kg



0 dB = 0.259 W/kg = -5.87 dBW/kg

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Date: 2019/12/17

LTE Band 26 (15MHz)_Body_Right side_CH 26965_QPSK_1-0_0mm

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 841.5 \text{ MHz}$; $\sigma = 0.895 \text{ S/m}$; $\epsilon_r = 42.783$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.44, 9.44, 9.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x81x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0662 W/kg

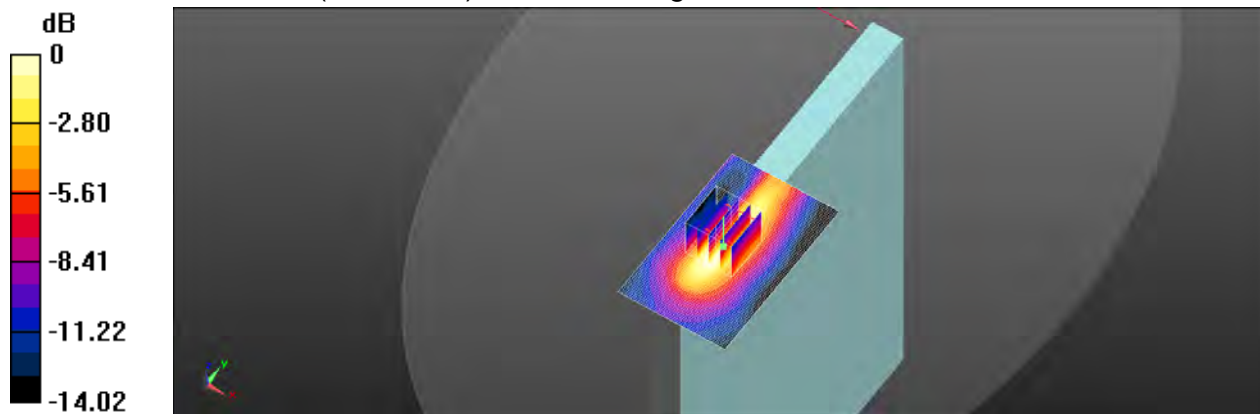
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.386 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0830 W/kg

SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0595 W/kg



0 dB = 0.0595 W/kg = -12.25 dBW/kg

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Date: 2019/12/19

LTE Band 30 (10MHz)_Body_Top side_CH 27710_QPSK_1-49_0mm

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.661$ S/m; $\epsilon_r = 40.506$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.84, 7.84, 7.84); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.382 W/kg

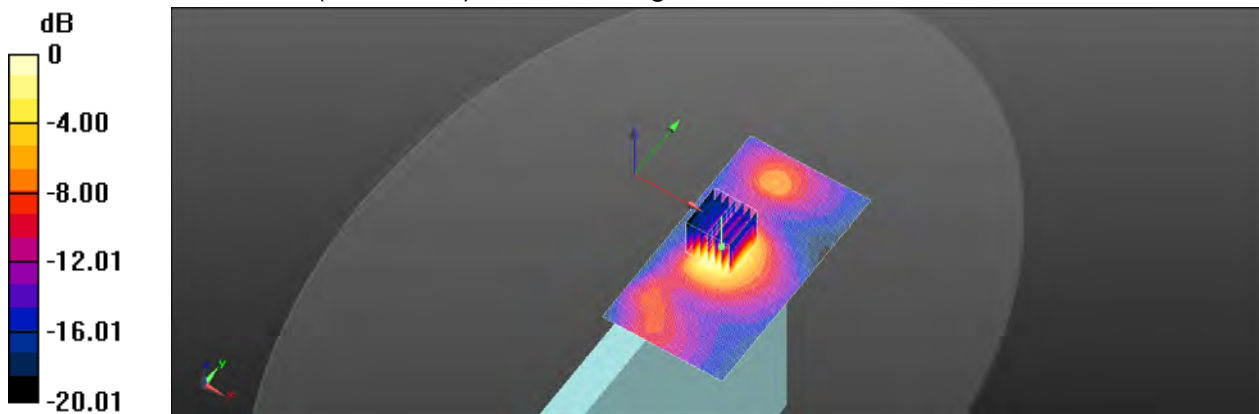
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.269 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

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Date: 2019/12/19

LTE Band 38 (20MHz)_Body_Top side_CH 37850_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2580 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2580$ MHz; $\sigma = 1.928$ S/m; $\epsilon_r = 37.617$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.3, 7.3, 7.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.302 W/kg

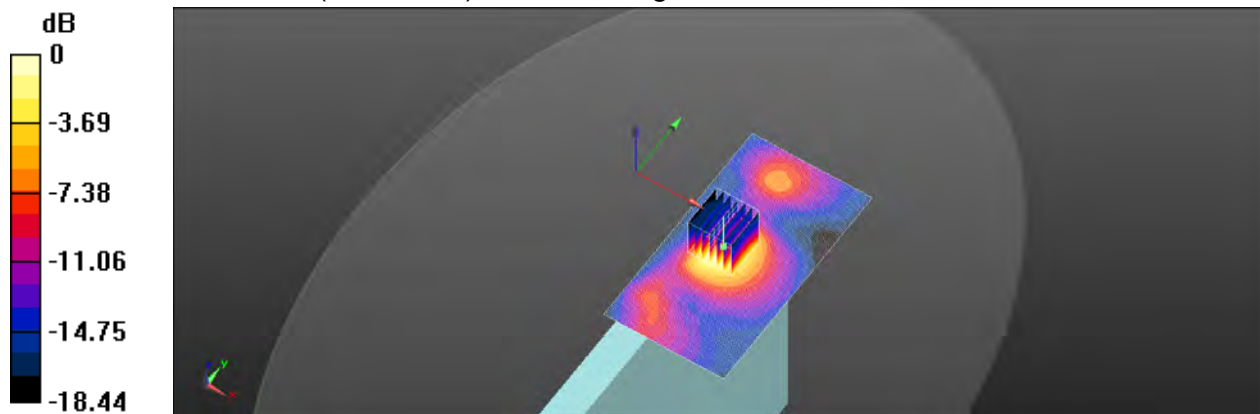
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.071 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

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Date: 2019/12/19

LTE Band 41 (20MHz)_Body_Top side_CH 39750_QPSK_1-0_0mm

Communication System: LTE; Frequency: 2506 MHz; Duty Cycle: 1:1.59956

Medium parameters used: $f = 2506$ MHz; $\sigma = 1.849$ S/m; $\epsilon_r = 37.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.3, 7.3, 7.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.282 W/kg

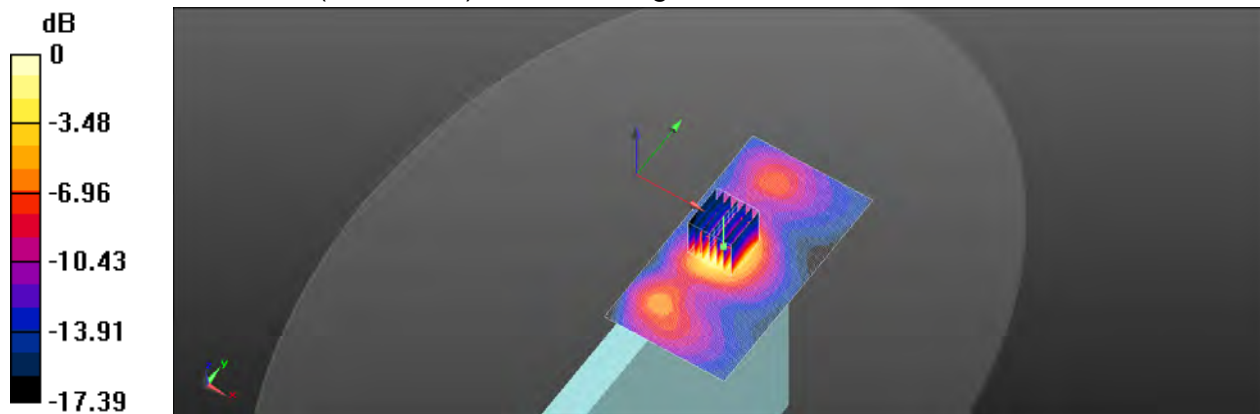
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.121 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

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Date: 2019/12/18

LTE Band 66 (20MHz)_Body_Right side_CH 132572_QPSK_1-0_0mm

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 39.357$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x111x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 0.785 W/kg

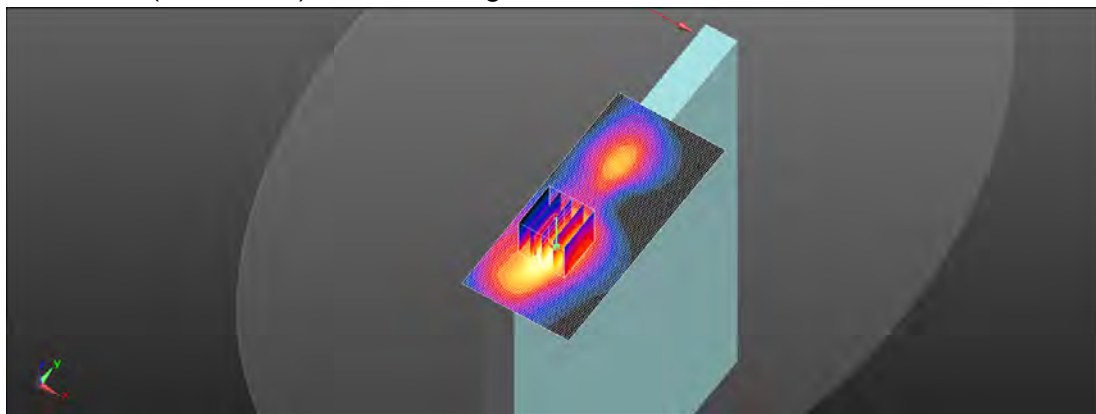
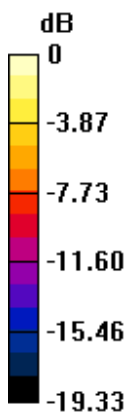
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.785 W/kg



0 dB = 0.785 W/kg = -1.05 dBW/kg

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Date: 2019/12/12

WLAN 802.11b_Body_Top side_CH 2_Tx1_0mm

Communication System: WLAN 2.45G; Frequency: 2417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2417$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 37.706$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.86 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.462 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.508 W/kg

Maximum value of SAR (measured) = 1.87 W/kg

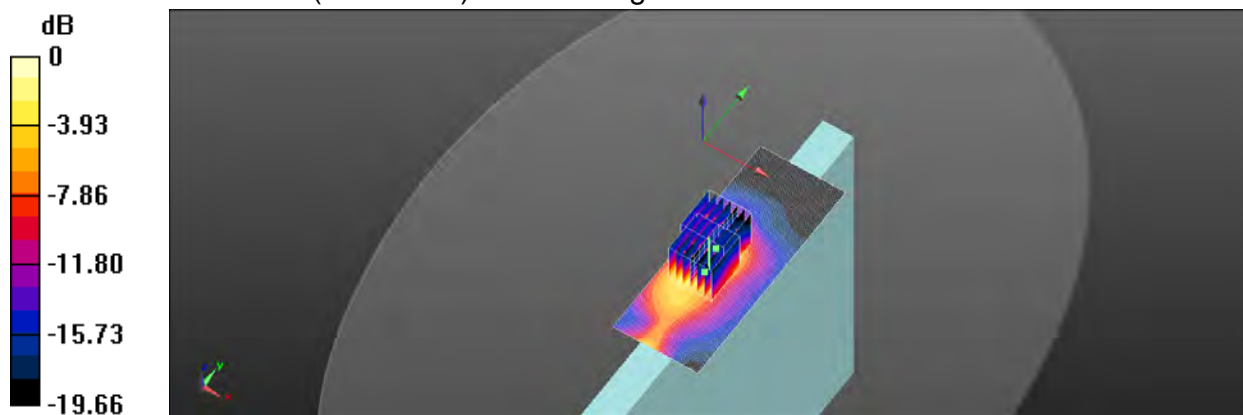
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.462 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.559 W/kg

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

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Member of SGS Group

Date: 2019/12/13

WLAN 802.11ac(80M) 5.2G_Body_Top side_CH 42_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.517 \text{ S/m}$; $\epsilon_r = 36.479$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 2.24 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.331 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.75 W/kg

SAR(1 g) = 1.1 W/kg ; SAR(10 g) = 0.376 W/kg

Maximum value of SAR (measured) = 2.33 W/kg

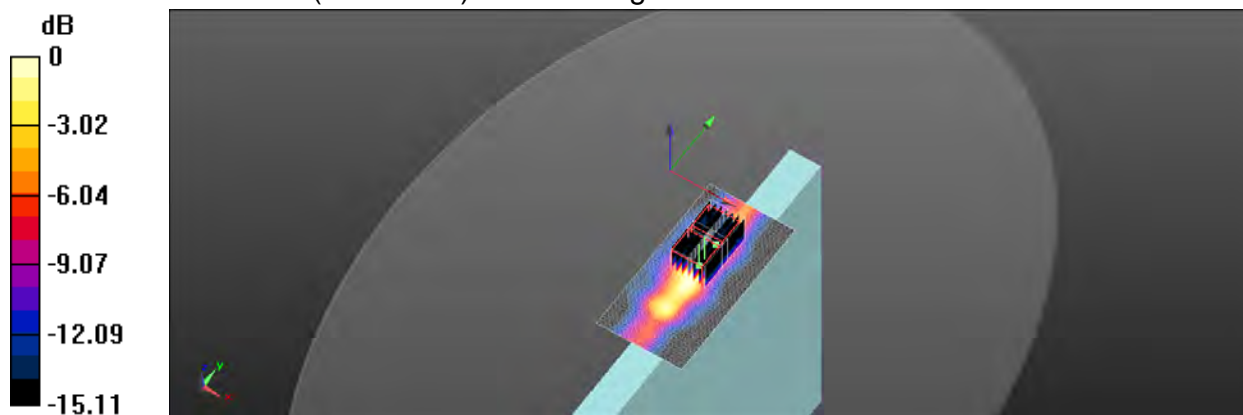
Zoom Scan (7x7x12)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.331 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.31 W/kg

SAR(1 g) = 0.842 W/kg ; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 1.88 W/kg



0 dB = 1.88 W/kg = 2.74 dBW/kg

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SGS Taiwan Ltd.

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Member of SGS Group

Date: 2019/12/14

WLAN 802.11ac(80M) 5.3G_Body_Top side_CH 58_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.631$ S/m; $\epsilon_r = 36.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.09 W/kg

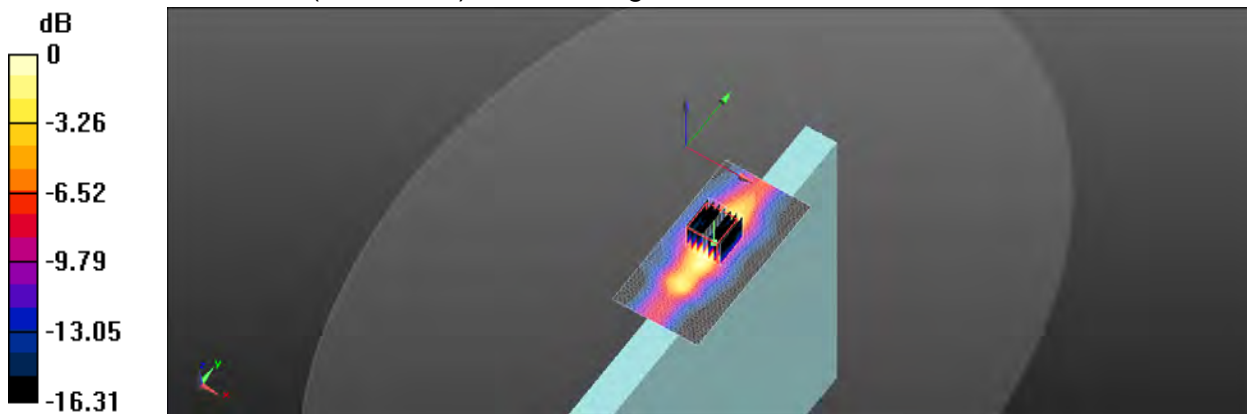
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.788 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.17 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.358 W/kg

Maximum value of SAR (measured) = 2.17 W/kg



0 dB = 2.17 W/kg = 3.36 dBW/kg

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Date: 2019/12/15

WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5570 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5570$ MHz; $\sigma = 4.928$ S/m; $\epsilon_r = 35.153$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.977 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.539 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 1.02 W/kg

Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.539 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.960 W/kg

Zoom Scan (7x7x12)/Cube 2: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.539 V/m; Power Drift = 0.17 dB

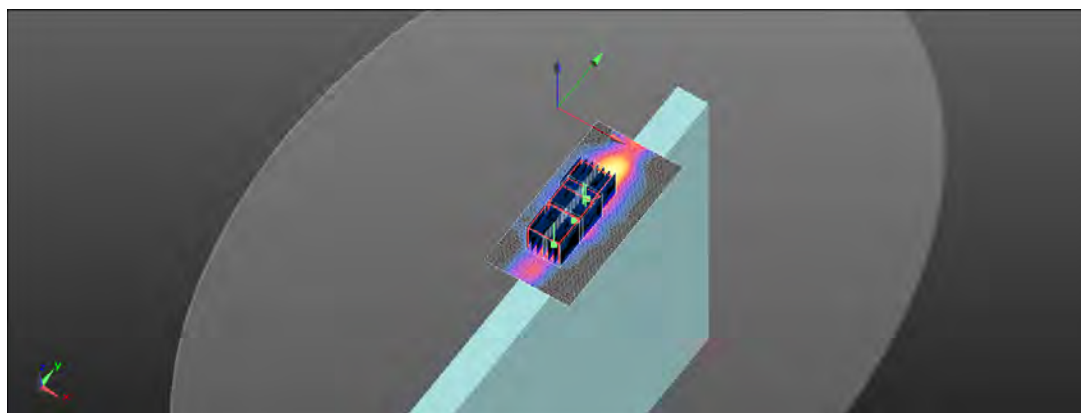
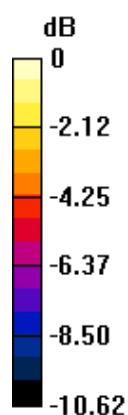
Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.687 W/kg

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0 dB = 0.687 W/kg = -1.63 dBW/kg

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.20 W/kg

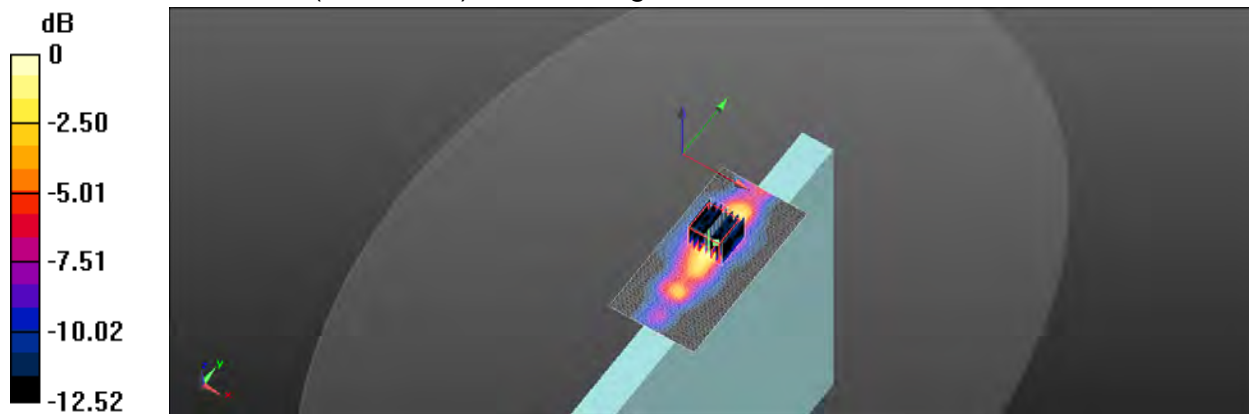
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.801 V/m ; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 0.612 W/kg ; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



$0 \text{ dB} = 1.19 \text{ W/kg} = 0.76 \text{ dBW/kg}$

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Date: 2019/12/12

WLAN 802.11b_Body_Top side_CH 1_Tx2_0mm

Communication System: WLAN 2.45G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 37.77$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- 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) = 1.89 W/kg

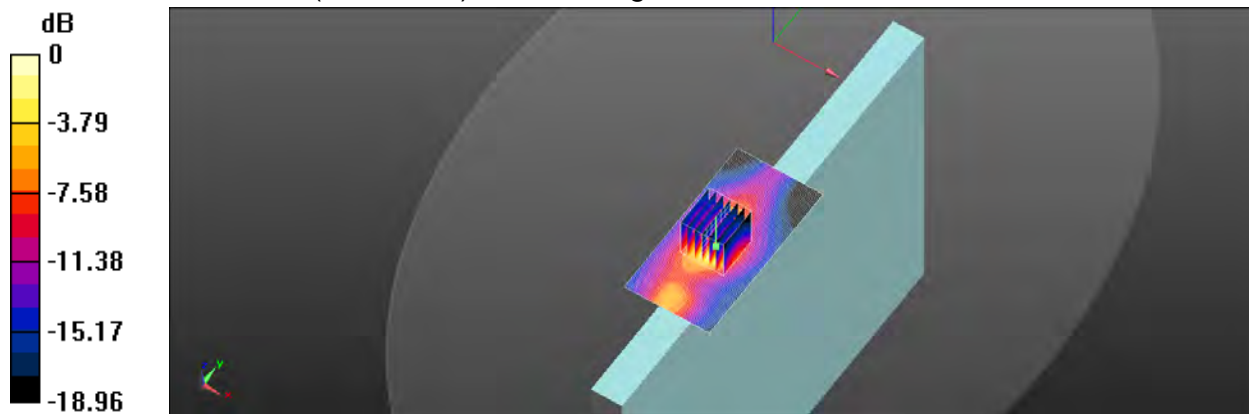
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.296 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.524 W/kg

Maximum value of SAR (measured) = 1.89 W/kg



0 dB = 1.89 W/kg = 2.76 dBW/kg

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Date: 2019/12/12

Bluetooth(GFSK)_Body_Top side_CH 78_Tx2_0mm

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 37.589$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- 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) = 0.285 W/kg

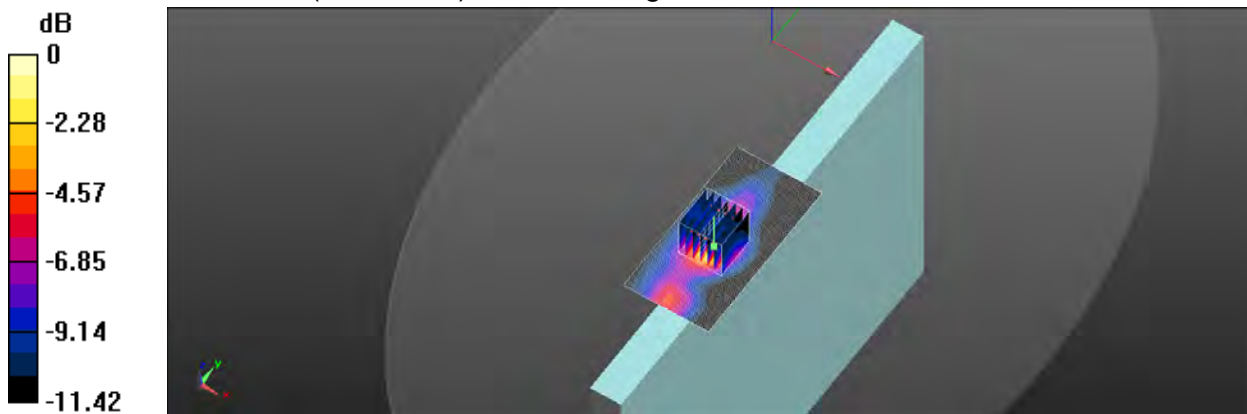
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.349 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.283 W/kg



0 dB = 0.283 W/kg = -5.48 dBW/kg

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Date: 2019/12/13

WLAN 802.11ac(80M) 5.2G_Body_Top side_CH 42_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.517 \text{ S/m}$; $\epsilon_r = 36.479$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 2.69 W/kg

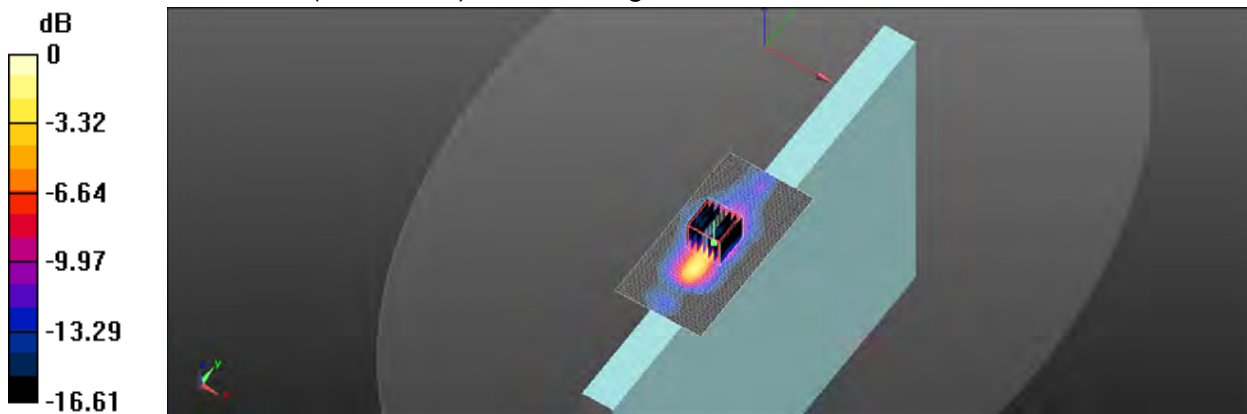
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.241 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.89 W/kg

SAR(1 g) = 1.19 W/kg ; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 2.59 W/kg = 4.13 dBW/kg

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Date: 2019/12/14

WLAN 802.11ac(80M) 5.3G_Body_Top side_CH 58_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.631 \text{ S/m}$; $\epsilon_r = 36.221$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C ; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 2.24 W/kg

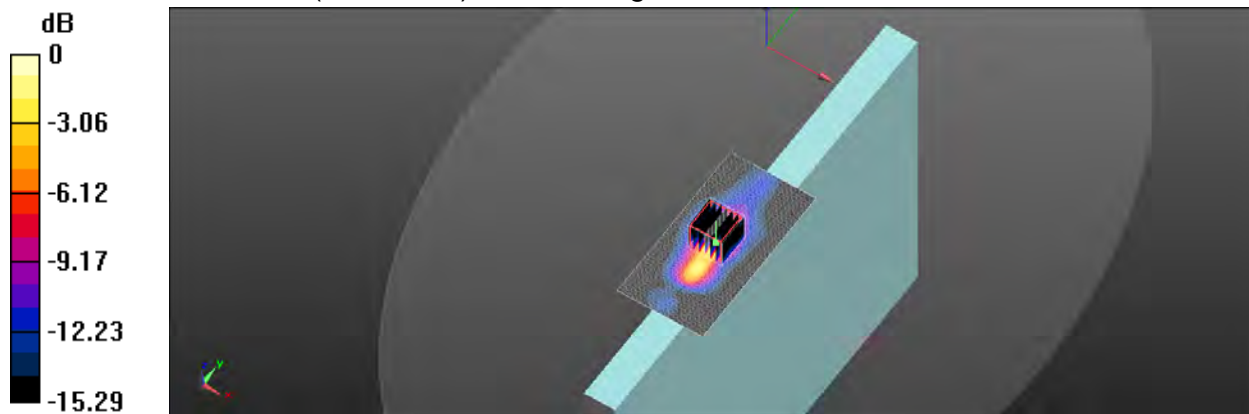
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.014 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 1.01 W/kg ; SAR(10 g) = 0.323 W/kg

Maximum value of SAR (measured) = 2.11 W/kg



0 dB = 2.11 W/kg = 3.24 dBW/kg

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Date: 2019/12/15

WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5570 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5570$ MHz; $\sigma = 4.928$ S/m; $\epsilon_r = 35.153$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.98 W/kg

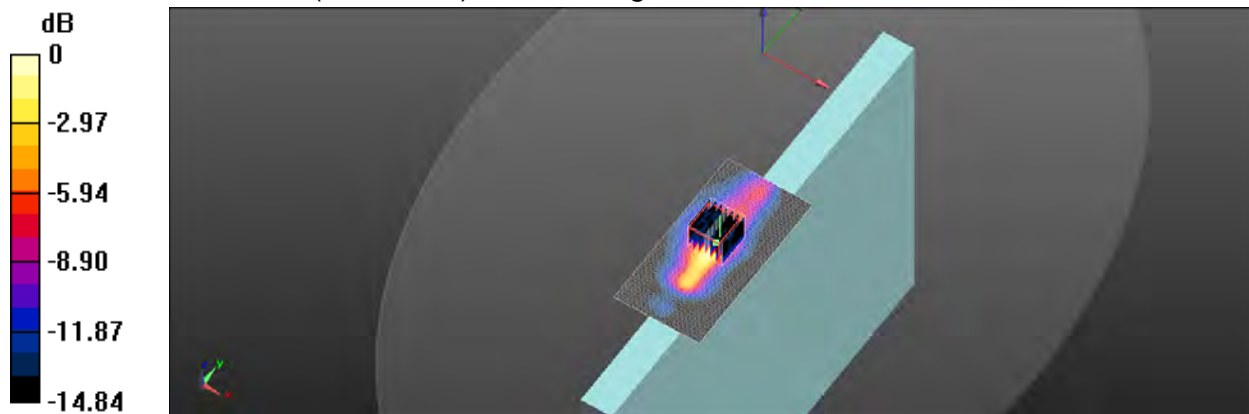
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.525 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 5.44 W/kg

SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 1.97 W/kg



0 dB = 1.97 W/kg = 2.94 dBW/kg

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.159$ S/m; $\epsilon_r = 34.621$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.26 W/kg

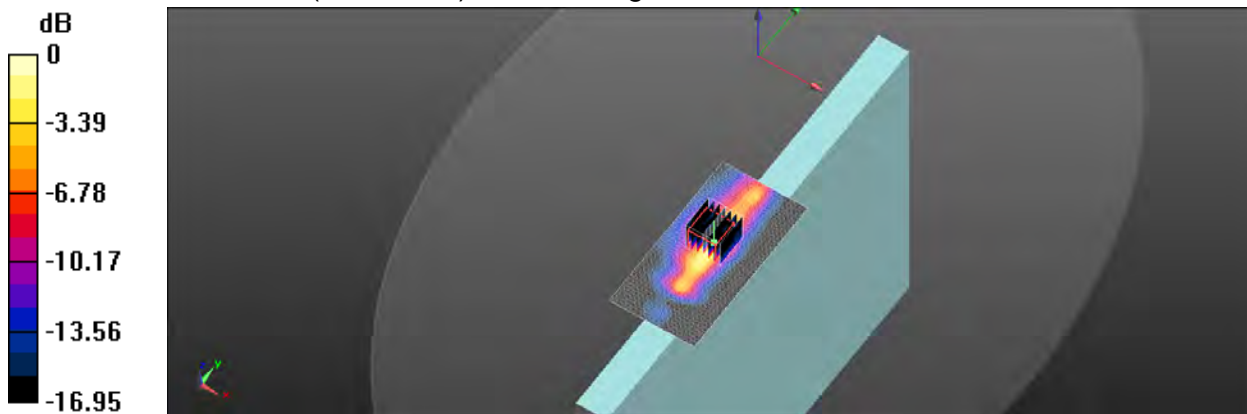
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.965 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.29 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

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Date: 2019/12/12

WLAN 802.11b_Body_Bottom side_CH 2_Tx1_0mm

Communication System: WLAN 2.45G; Frequency: 2417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2417 \text{ MHz}$; $\sigma = 1.82 \text{ S/m}$; $\epsilon_r = 37.706$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.0°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: $dx=12 \text{ mm}$, $dy=12 \text{ mm}$

Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.527 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.924 W/kg ; SAR(10 g) = 0.492 W/kg

Maximum value of SAR (measured) = 1.29 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.527 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.875 W/kg ; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 1.26 W/kg

Zoom Scan (7x7x7)/Cube 2: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.527 V/m ; Power Drift = 0.19 dB

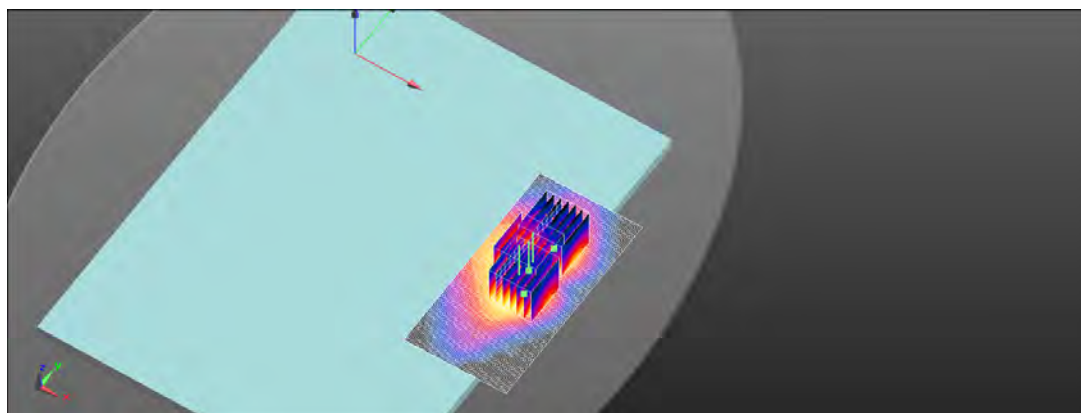
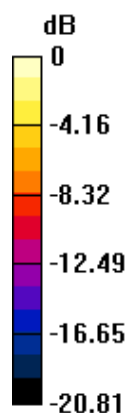
Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.730 W/kg ; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 1.16 W/kg

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0 dB = 1.16 W/kg = 0.64 dBW/kg

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Date: 2019/12/13

WLAN 802.11n(40M) 5.2G_Body_Bottom side_CH 46_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230$ MHz; $\sigma = 4.519$ S/m; $\epsilon_r = 36.332$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.76 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.957 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.310 W/kg

Maximum value of SAR (measured) = 1.86 W/kg

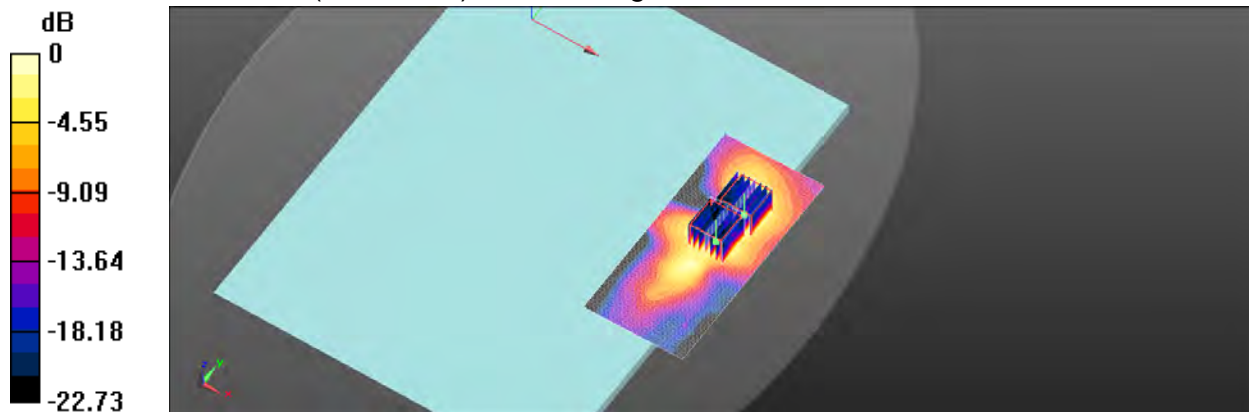
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.957 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

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Date: 2019/12/14

WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.621$ S/m; $\epsilon_r = 36.229$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 2.29 W/kg

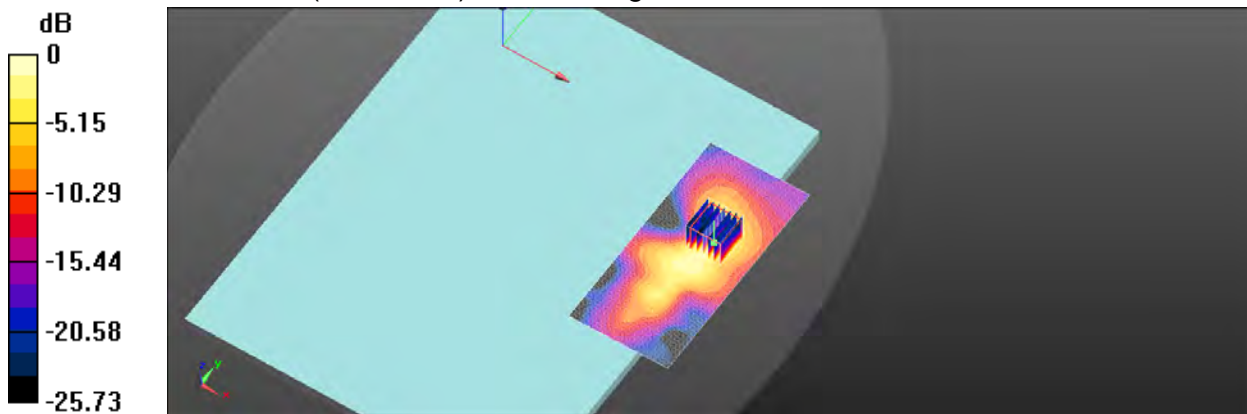
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.541 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 4.84 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 2.13 W/kg



0 dB = 2.13 W/kg = 3.28 dBW/kg

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Date: 2019/12/15

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 106_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530 \text{ MHz}$; $\sigma = 4.901 \text{ S/m}$; $\epsilon_r = 35.534$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.4°C ; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.926 W/kg

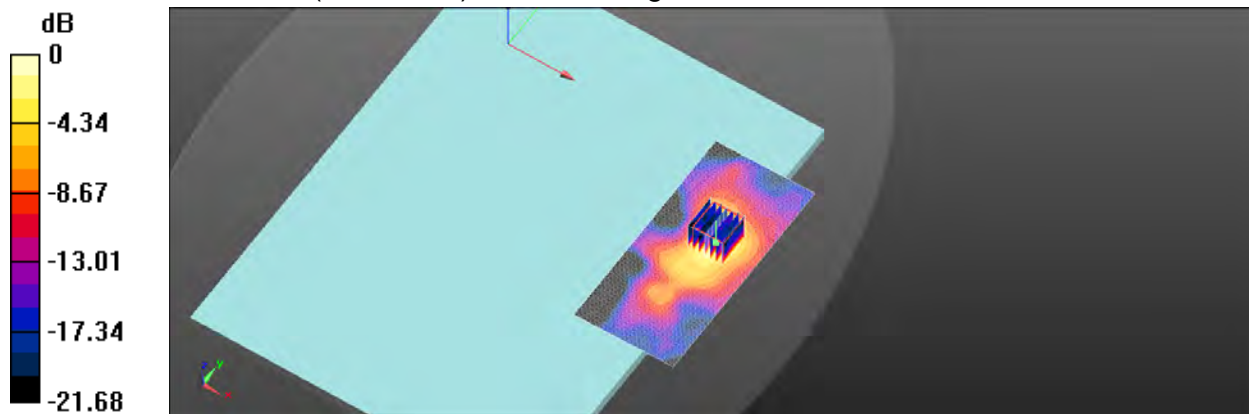
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 4.937 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.475 W/kg ; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.951 W/kg



0 dB = 0.951 W/kg = -0.22 dBW/kg

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Bottom side_CH 155_Tx1_0mm

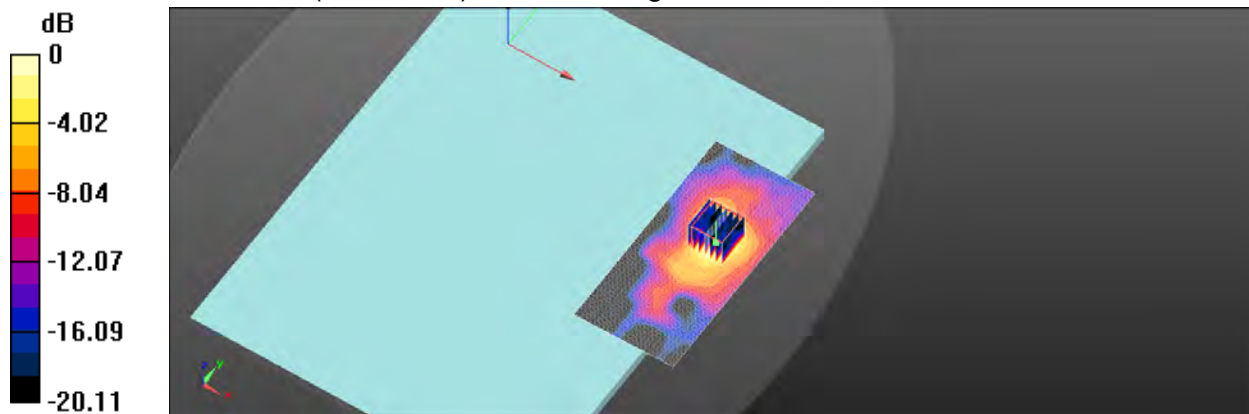
Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C **DASY5 Configuration:**

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$ Maximum value of SAR (interpolated) = 0.838 W/kg **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 1.063 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 2.28 W/kg **SAR(1 g) = 0.451 W/kg ; SAR(10 g) = 0.167 W/kg** Maximum value of SAR (measured) = 0.873 W/kg  $0 \text{ dB} = 0.873 \text{ W/kg} = -0.59 \text{ dBW/kg}$

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Date: 2019/12/12

WLAN 802.11b_Body_Bottom side_CH 6_Tx2_0mm

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.848$ S/m; $\epsilon_r = 37.656$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

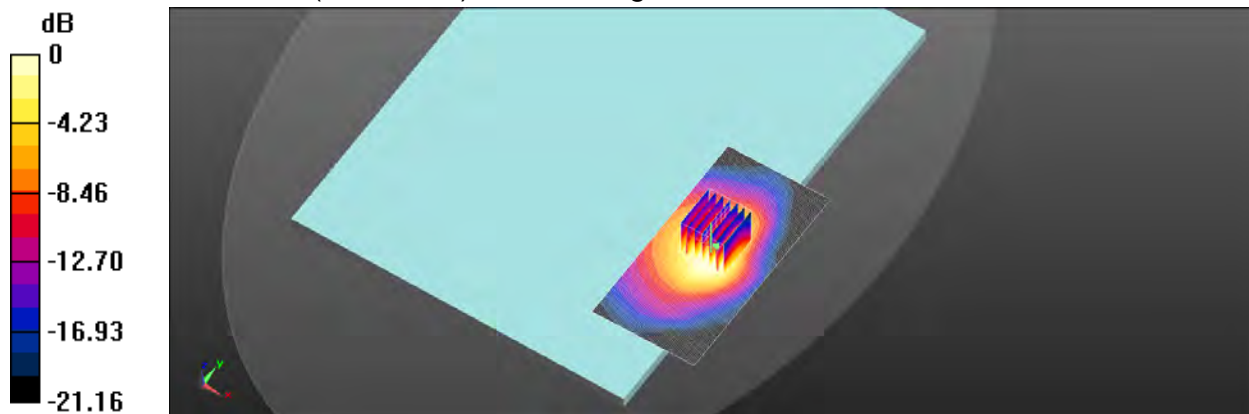
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.272 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.456 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: 2019/12/12

Bluetooth(GFSK)_Body_Bottom side_CH 78_Tx2_0mm

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 37.589$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.126 W/kg

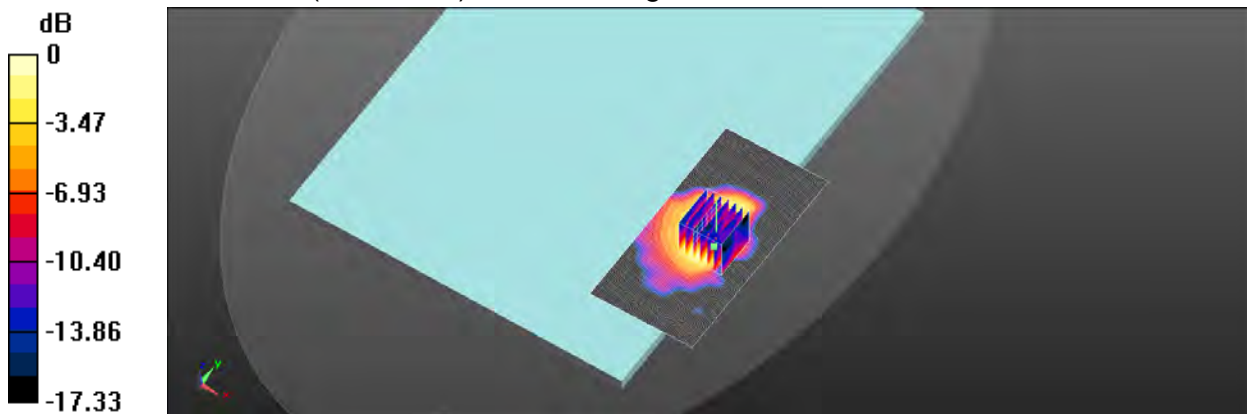
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.122 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

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Date: 2019/12/13

WLAN 802.11ac(80M) 5.2G_Body_Bottom side_CH 42_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.517 \text{ S/m}$; $\epsilon_r = 36.479$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.93 W/kg

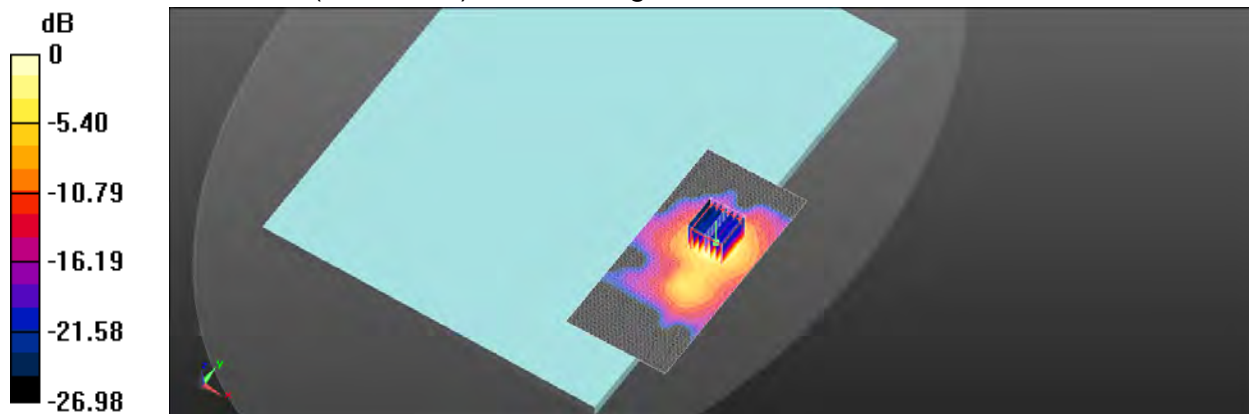
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.890 V/m ; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 0.934 W/kg ; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 1.88 W/kg



0 dB = $1.88 \text{ W/kg} = 2.74 \text{ dBW/kg}$

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Date: 2019/12/14

WLAN 802.11ac(80M) 5.3G_Body_Bottom side_CH 58_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.631$ S/m; $\epsilon_r = 36.221$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 1.63 W/kg

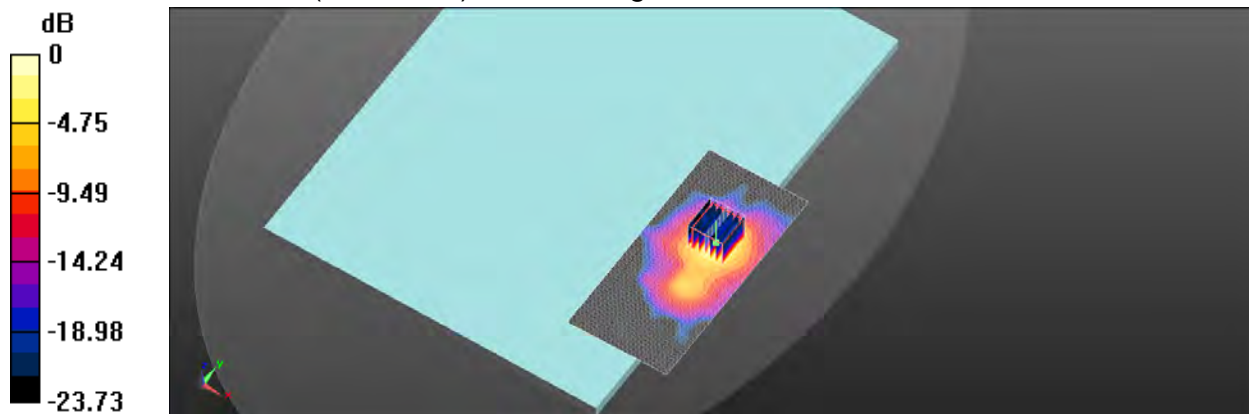
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.250 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.32 W/kg

SAR(1 g) = 0.772 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

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Date: 2019/12/15

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 106_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530 \text{ MHz}$; $\sigma = 4.901 \text{ S/m}$; $\epsilon_r = 35.534$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.4°C ; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.52 W/kg

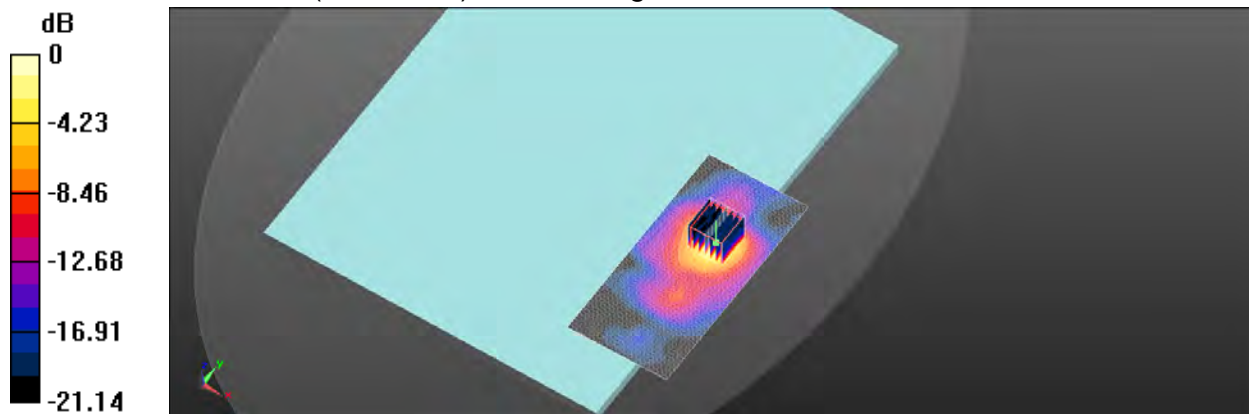
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.315 V/m ; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 0.731 W/kg ; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.47 W/kg = 1.67 dBW/kg

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Bottom side_CH 155_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.52 W/kg

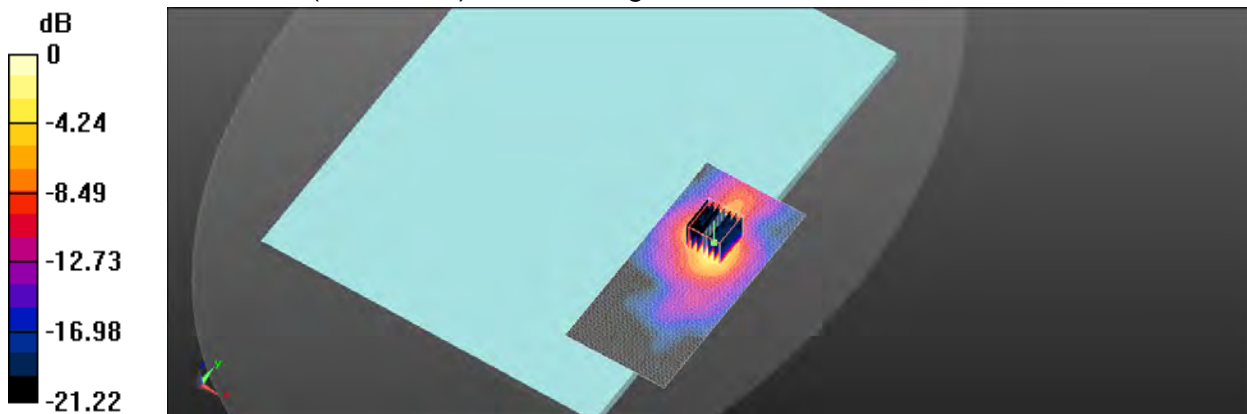
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.586 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.93 W/kg

SAR(1 g) = 0.806 W/kg ; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

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Member of SGS Group

Date: 2019/12/12

WLAN 802.11n(20M)_Body_Top side_CH 6_Tx1_0mm

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.848$ S/m; $\epsilon_r = 37.656$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.596 W/kg

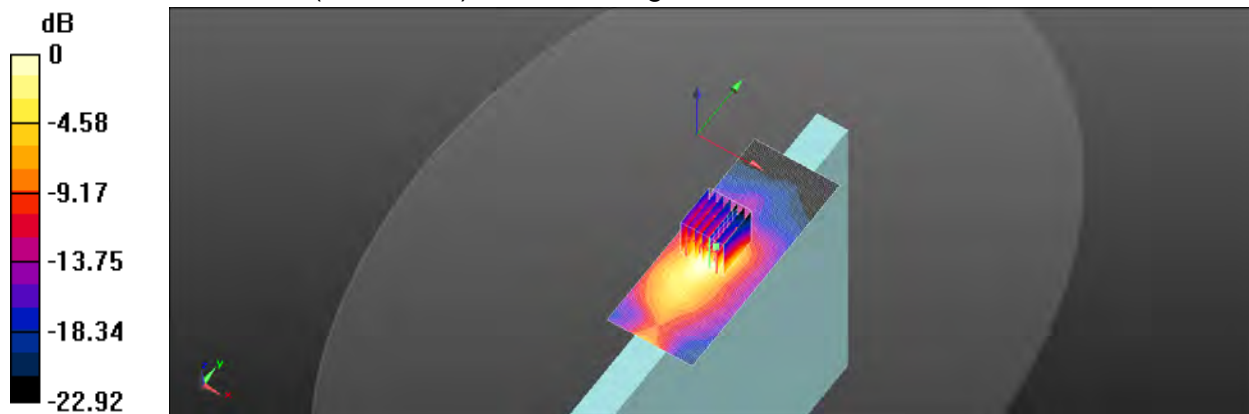
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.114 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.920 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.583 W/kg



0 dB = 0.583 W/kg = -2.34 dBW/kg

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Date: 2019/12/13

WLAN 802.11ac(80M) 5.2G_Body_Top side_CH 42_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.517 \text{ S/m}$; $\epsilon_r = 36.479$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.643 W/kg

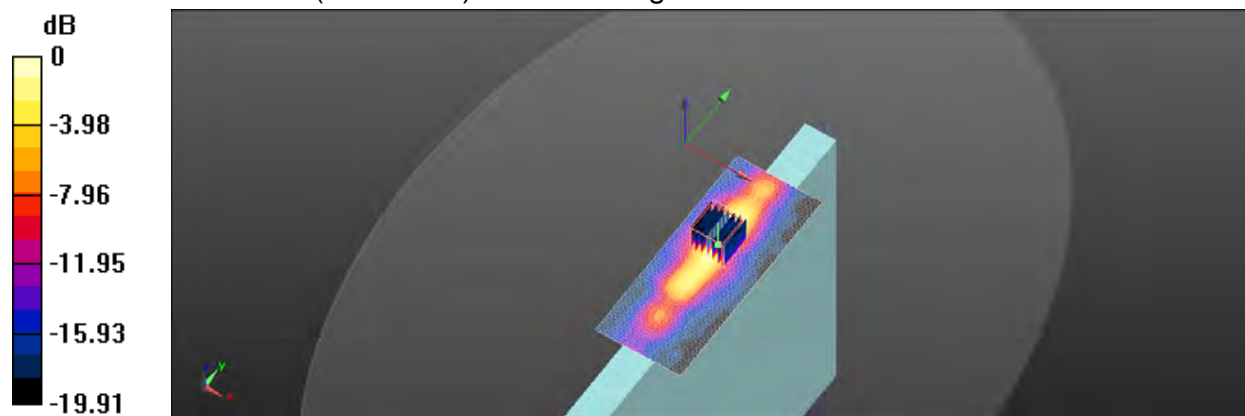
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.491 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.319 W/kg ; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.704 W/kg



$0 \text{ dB} = 0.704 \text{ W/kg} = -1.52 \text{ dBW/kg}$

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Date: 2019/12/14

WLAN 802.11ac(80M) 5.3G_Body_Top side_CH 58_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.631 \text{ S/m}$; $\epsilon_r = 36.221$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C ; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.741 W/kg

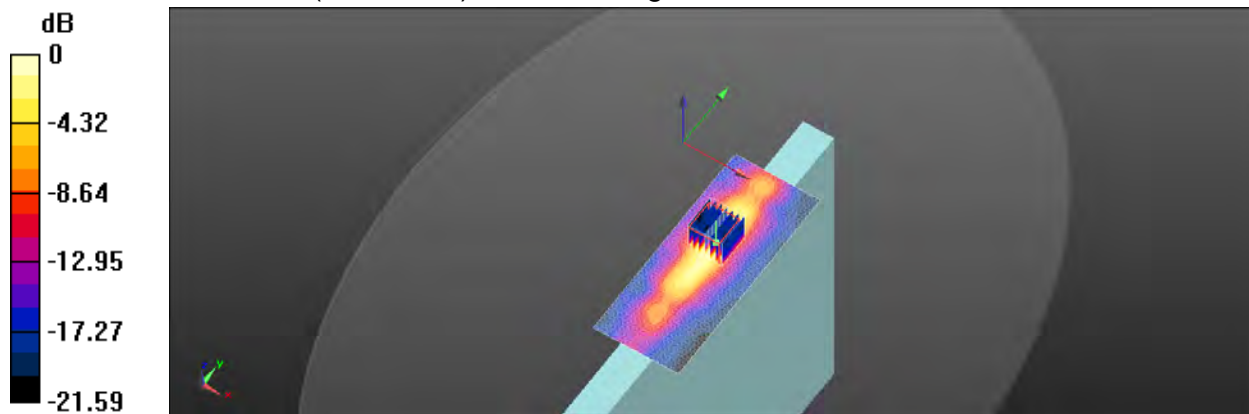
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.126 V/m ; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.375 W/kg ; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.799 W/kg



$0 \text{ dB} = 0.799 \text{ W/kg} = -0.97 \text{ dBW/kg}$

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Date: 2019/12/15

WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5570 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5570 \text{ MHz}$; $\sigma = 4.928 \text{ S/m}$; $\epsilon_r = 35.153$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.4°C ; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.527 W/kg

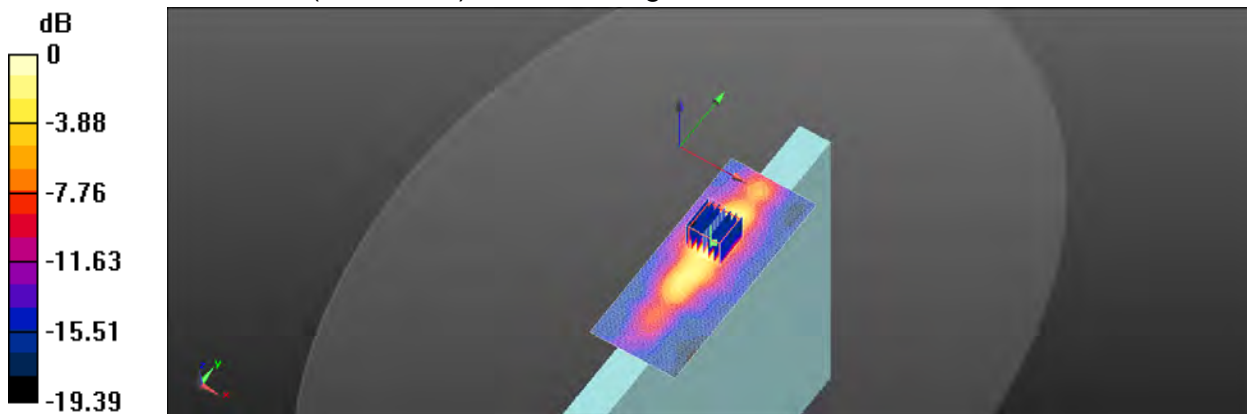
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.063 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.252 W/kg ; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.534 W/kg



$0 \text{ dB} = 0.534 \text{ W/kg} = -2.72 \text{ dBW/kg}$

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.614 W/kg

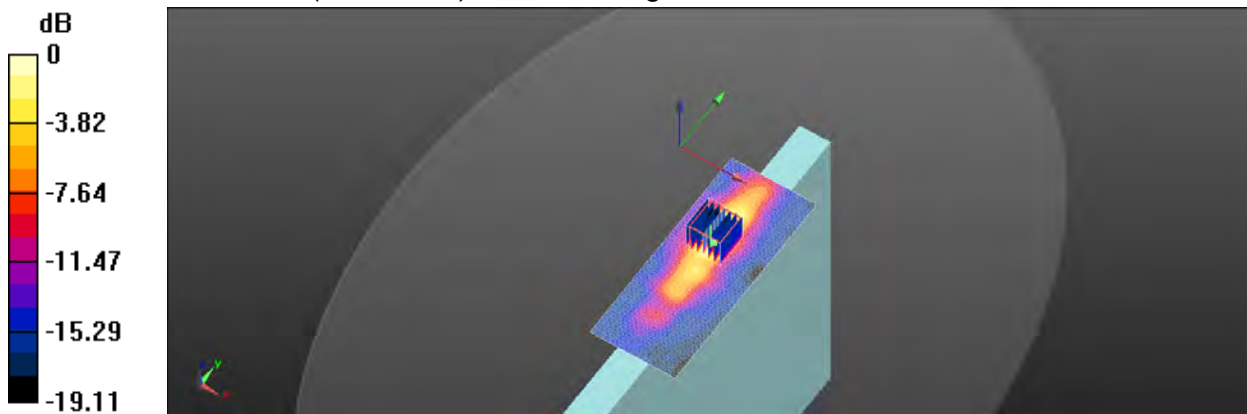
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.937 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.272 W/kg ; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.584 W/kg



0 dB = 0.584 W/kg = -2.34 dBW/kg

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Date: 2019/12/12

WLAN 802.11n(20M)_Body_Top side_CH 10_Tx2_0mm

Communication System: WLAN 2.45G; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.871$ S/m; $\epsilon_r = 37.611$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (51x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.938 W/kg

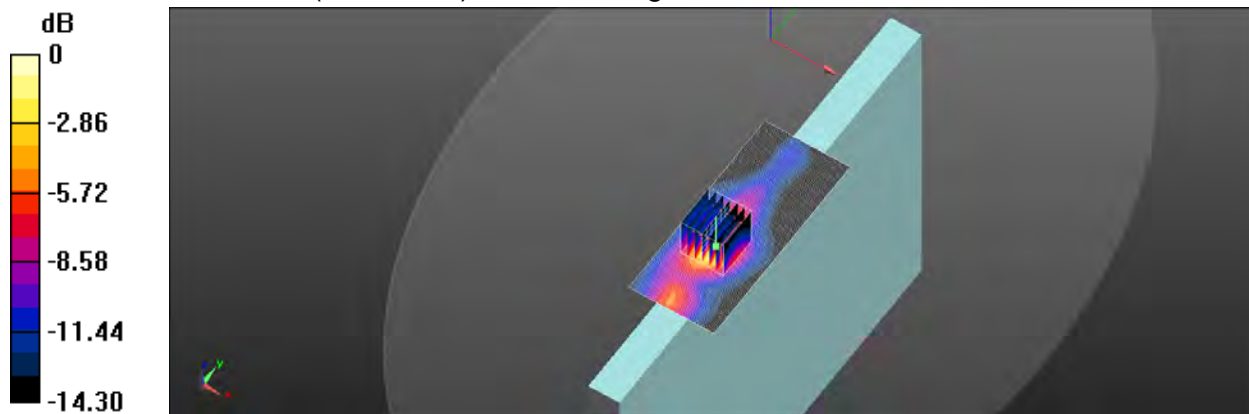
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.121 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg = -0.39 dBW/kg

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Date: 2019/12/13

WLAN 802.11ac(80M) 5.2G_Body_Top side_CH 42_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.517 \text{ S/m}$; $\epsilon_r = 36.479$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.05 W/kg

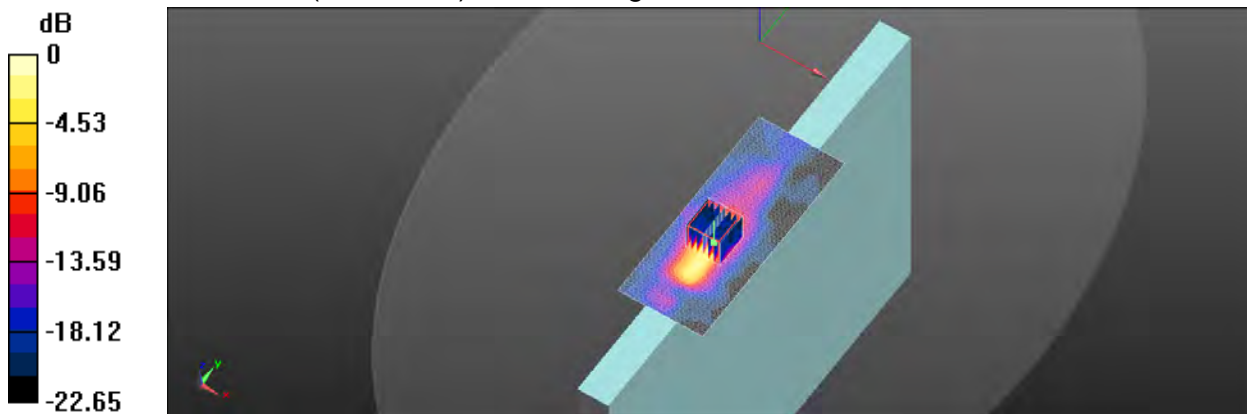
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.373 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.499 W/kg ; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

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Date: 2019/12/14

WLAN 802.11ac(80M) 5.3G_Body_Top side_CH 58_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.631 \text{ S/m}$; $\epsilon_r = 36.221$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C ; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.900 W/kg

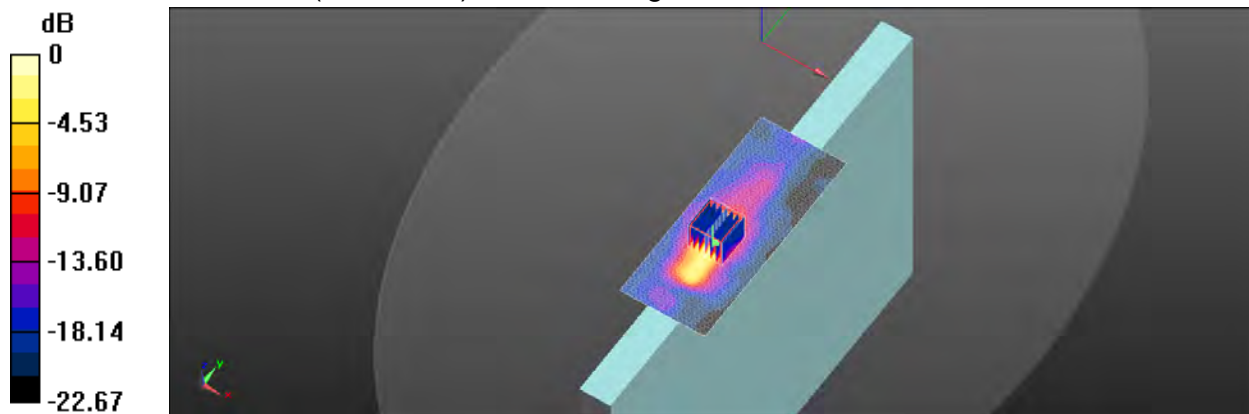
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.218 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.443 W/kg ; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.929 W/kg



$0 \text{ dB} = 0.929 \text{ W/kg} = -0.32 \text{ dBW/kg}$

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Date: 2019/12/15

WLAN 802.11ac(160M) 5.6G_Body_Top side_CH 114_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5570 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5570$ MHz; $\sigma = 4.928$ S/m; $\epsilon_r = 35.153$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.857 W/kg

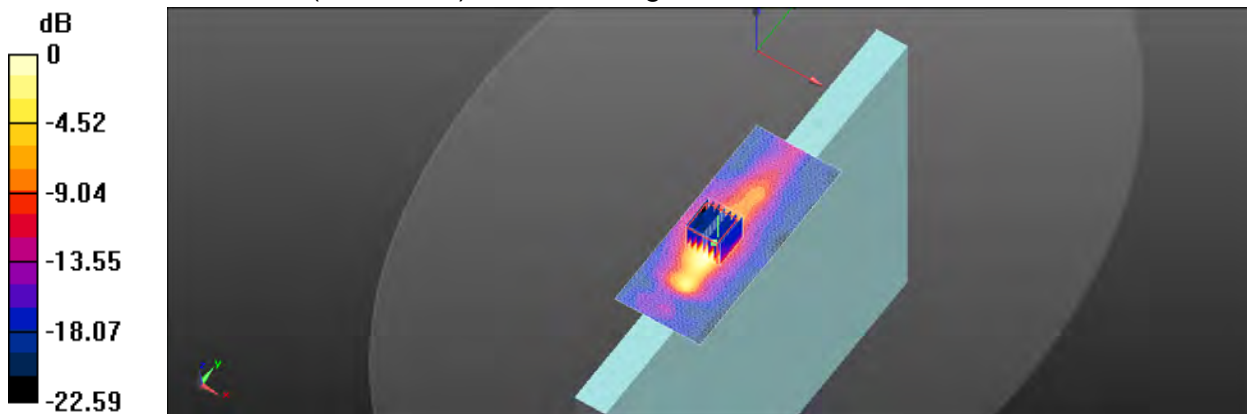
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.987 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.960 W/kg



0 dB = 0.960 W/kg = -0.18 dBW/kg

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Top side_CH 155_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.773 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.991 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 0.483 W/kg ; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.970 W/kg

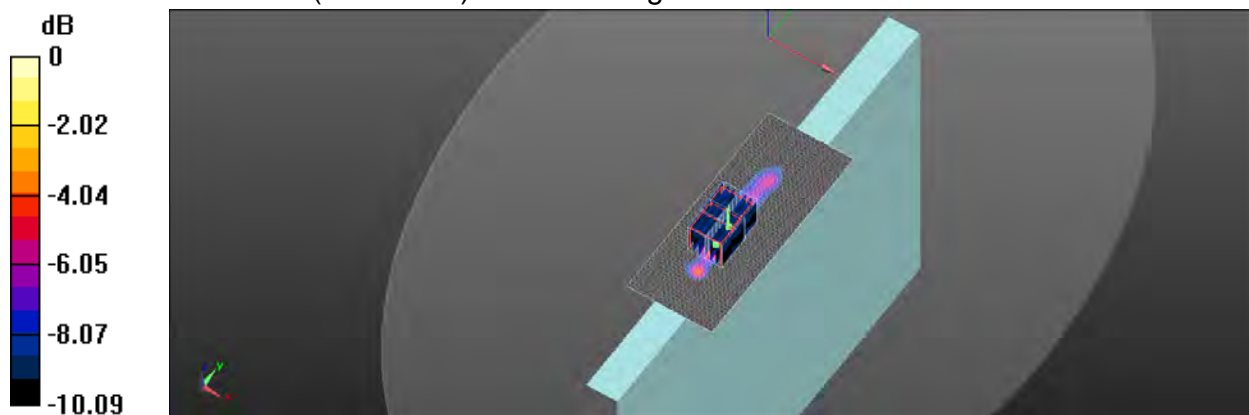
Zoom Scan (7x7x12)/Cube 1: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.991 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 0.389 W/kg ; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.904 W/kg



0 dB = 0.904 W/kg = -0.44 dBW/kg

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SGS Taiwan Ltd.

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Member of SGS Group

Date: 2019/12/12

WLAN 802.11n(20M)_Body_Bottom side_CH 6_Tx1_0mm

Communication System: WLAN 2.45G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.848$ S/m; $\epsilon_r = 37.656$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.354 W/kg

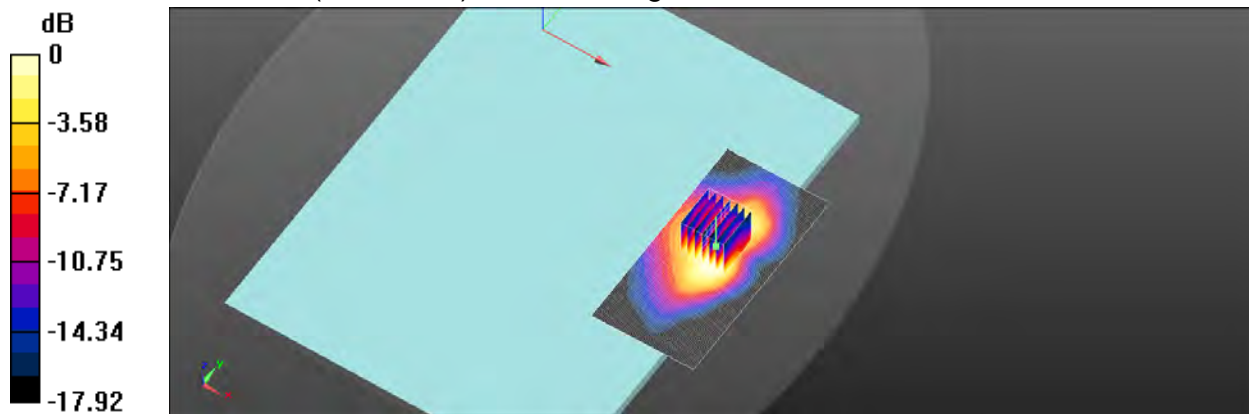
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.372 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dBW/kg

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Date: 2019/12/13

WLAN 802.11n(40M) 5.2G_Body_Bottom side_CH 46_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230$ MHz; $\sigma = 4.519$ S/m; $\epsilon_r = 36.332$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.832 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.758 W/kg

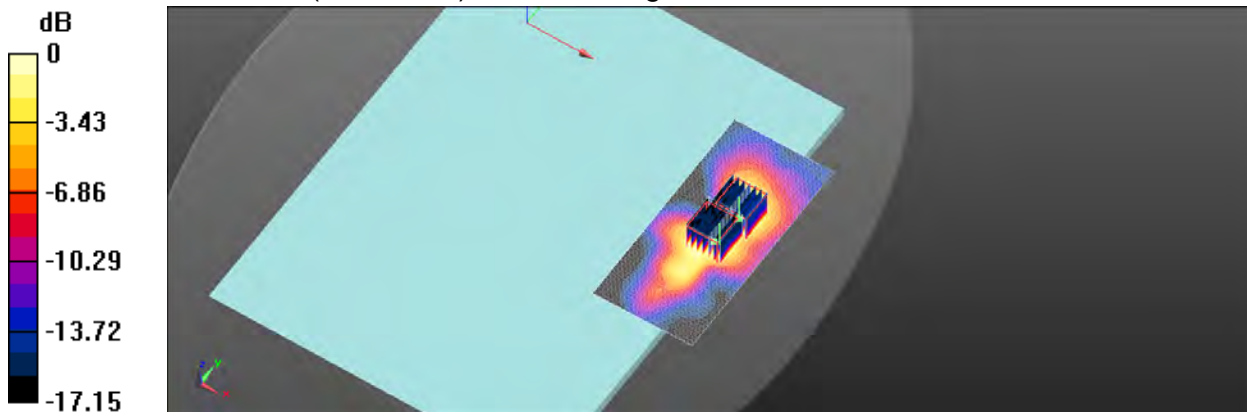
Zoom Scan (7x7x12)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.832 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.530 W/kg



0 dB = 0.530 W/kg = -2.76 dBW/kg

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Member of SGS Group

Date: 2019/12/14

WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.621 \text{ S/m}$; $\epsilon_r = 36.229$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C ; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.749 W/kg

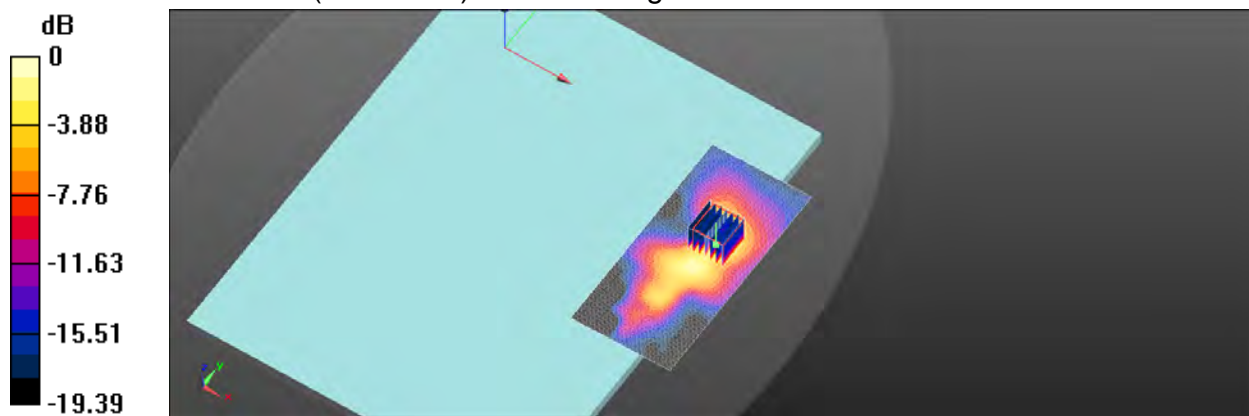
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.788 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.357 W/kg ; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.724 W/kg



$0 \text{ dB} = 0.724 \text{ W/kg} = -1.40 \text{ dBW/kg}$

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Date: 2019/12/15

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 106_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530 \text{ MHz}$; $\sigma = 4.901 \text{ S/m}$; $\epsilon_r = 35.534$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.4°C ; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.458 W/kg

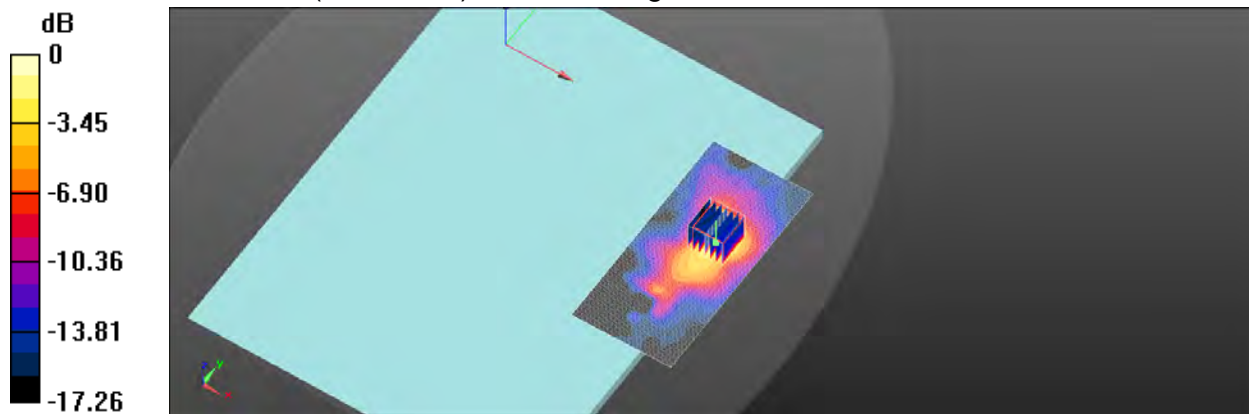
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.714 V/m ; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.225 W/kg ; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.447 W/kg



$0 \text{ dB} = 0.447 \text{ W/kg} = -3.50 \text{ dBW/kg}$

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Bottom side_CH 155_Tx1_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.387 W/kg

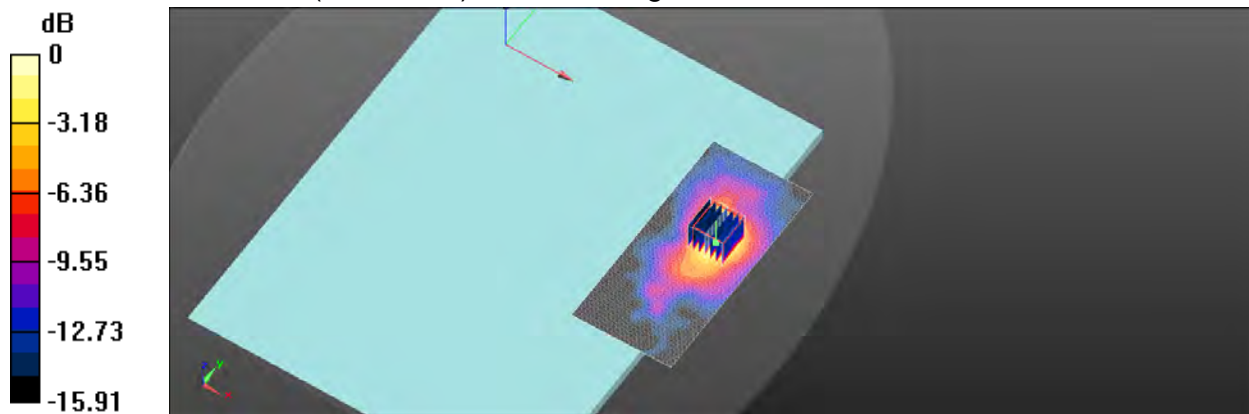
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.444 V/m ; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.191 W/kg ; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.380 W/kg



$0 \text{ dB} = 0.380 \text{ W/kg} = -4.20 \text{ dBW/kg}$

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Date: 2019/12/12

WLAN 802.11n(20M)_Body_Bottom side_CH 10_Tx2_0mm

Communication System: WLAN 2.45G; Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2457$ MHz; $\sigma = 1.871$ S/m; $\epsilon_r = 37.611$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (61x121x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.455 W/kg

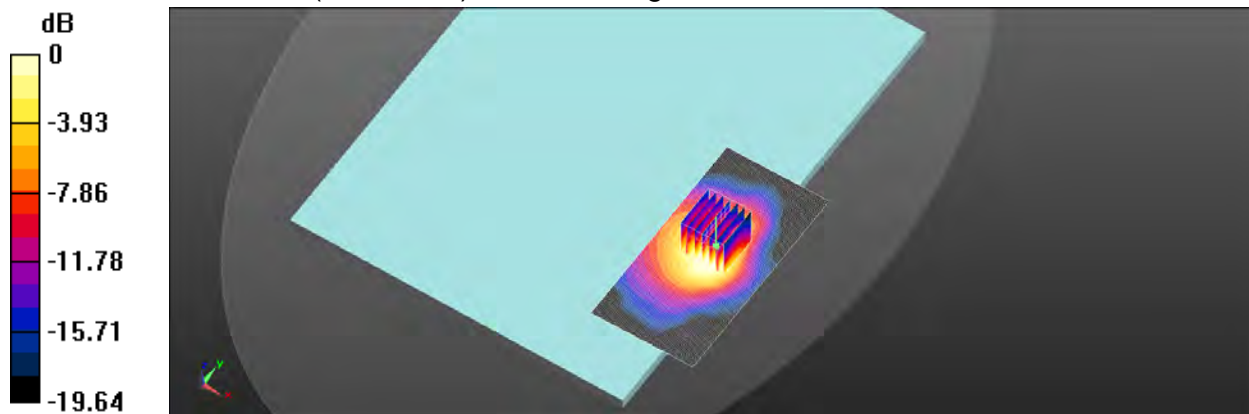
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.868 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.589 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.440 W/kg = -3.57 dBW/kg

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Date: 2019/12/13

WLAN 802.11n(40M) 5.2G_Body_Bottom side_CH 46_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230 \text{ MHz}$; $\sigma = 4.519 \text{ S/m}$; $\epsilon_r = 36.332$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.2°C ; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 1.01 W/kg

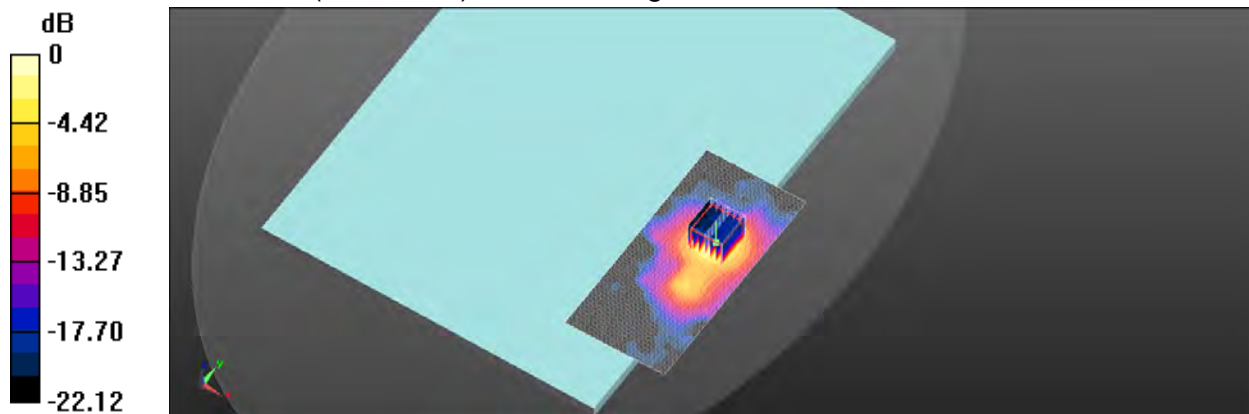
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.318 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.475 W/kg ; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.946 W/kg



$0 \text{ dB} = 0.946 \text{ W/kg} = -0.24 \text{ dBW/kg}$

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Date: 2019/12/14

WLAN 802.11n(40M) 5.3G_Body_Bottom side_CH 54_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.621 \text{ S/m}$; $\epsilon_r = 36.229$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.8°C ; Liquid temperature: 22.4°C

DASY5 Configuration:

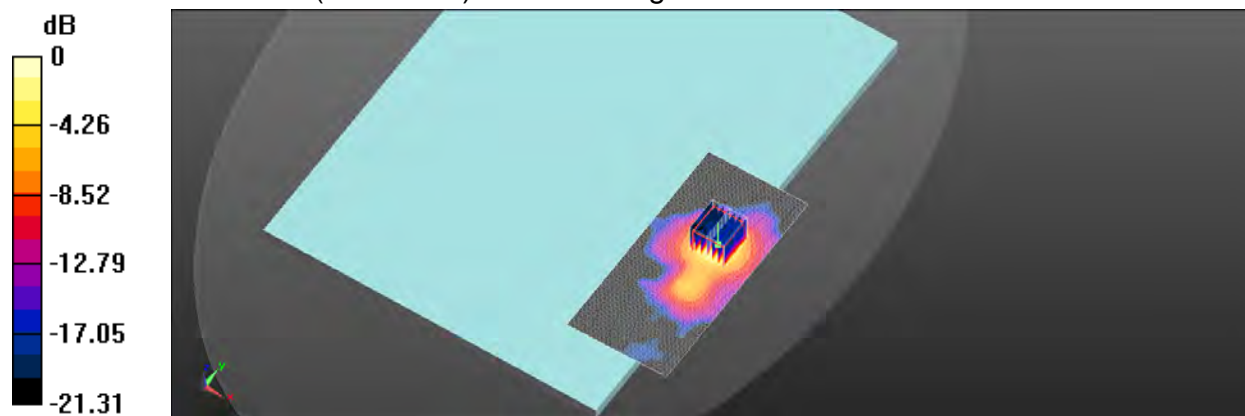
- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.823 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.461 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.395 W/kg ; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.784 W/kg

 $0 \text{ dB} = 0.784 \text{ W/kg} = -1.06 \text{ dBW/kg}$

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Member of SGS Group

Date: 2019/12/15

WLAN 802.11ac(80M) 5.6G_Body_Bottom side_CH 122_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5610 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5610 \text{ MHz}$; $\sigma = 5.033 \text{ S/m}$; $\epsilon_r = 35.096$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.4°C ; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.911 W/kg

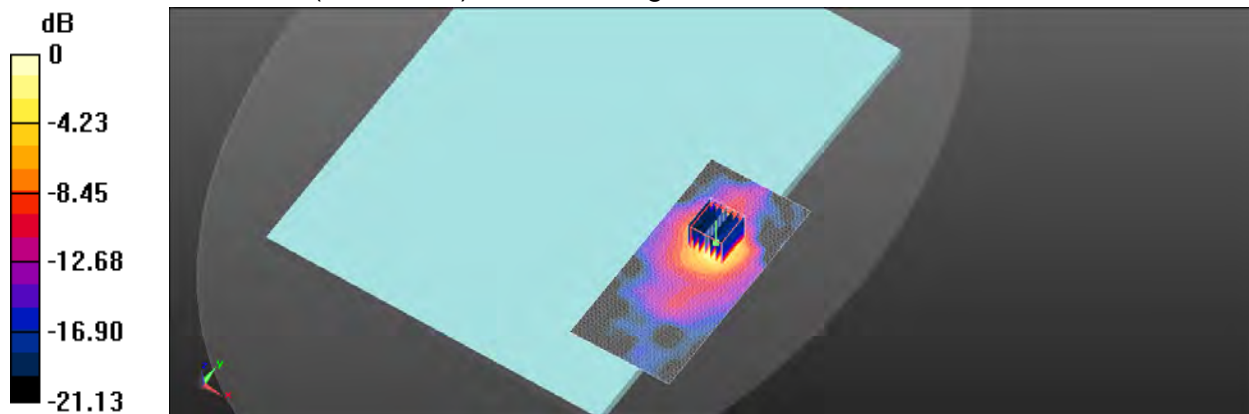
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.921 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.465 W/kg ; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.949 W/kg



$0 \text{ dB} = 0.949 \text{ W/kg} = -0.23 \text{ dBW/kg}$

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Date: 2019/12/16

WLAN 802.11ac(80M) 5.8G_Body_Bottom side_CH 155_Tx2_0mm

Communication System: WLAN 5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.159 \text{ S/m}$; $\epsilon_r = 34.621$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.7°C ; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (71x151x1): Interpolated grid: $dx=10 \text{ mm}$, $dy=10 \text{ mm}$

Maximum value of SAR (interpolated) = 0.730 W/kg

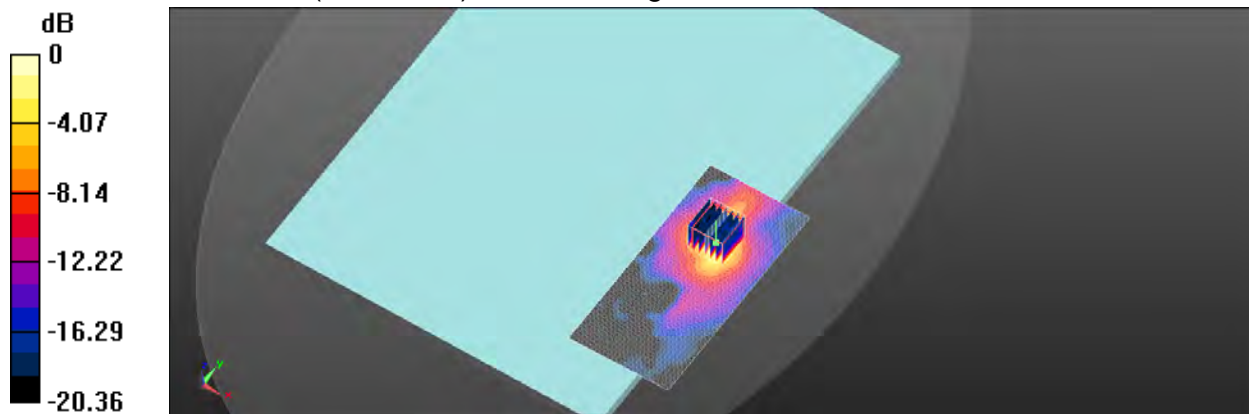
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.179 V/m ; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.393 W/kg ; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.802 W/kg



$0 \text{ dB} = 0.802 \text{ W/kg} = -0.96 \text{ dBW/kg}$

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6. SAR System Performance Verification

Date: 2019/12/17

Dipole 750 MHz_SN:1015

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 42.902$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.6°C ; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.68, 9.68, 9.68); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (41x141x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 2.62 W/kg

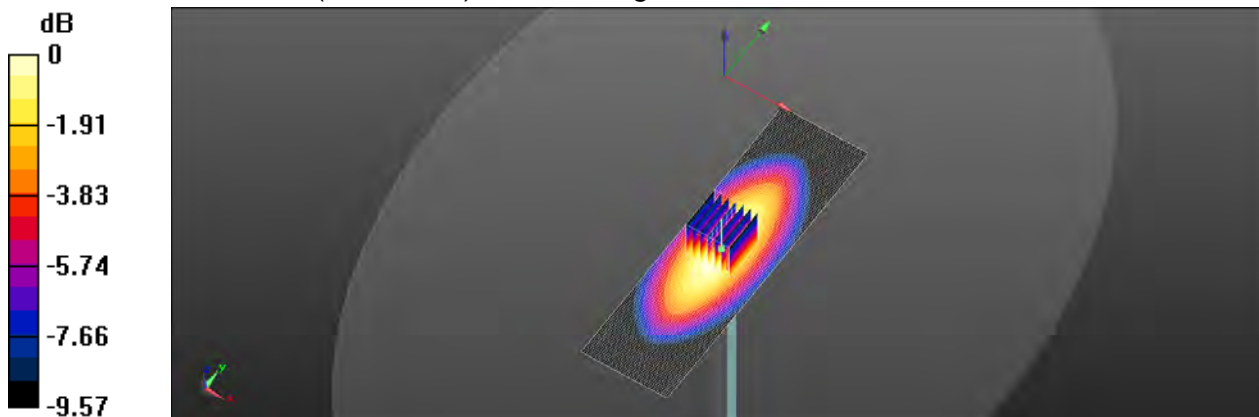
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.90 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 2.13 W/kg ; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

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Date: 2019/12/17

Dipole 835 MHz_SN:4d063

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.881$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 21.9°C ; Liquid temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(9.44, 9.44, 9.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (41x121x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 2.93 W/kg

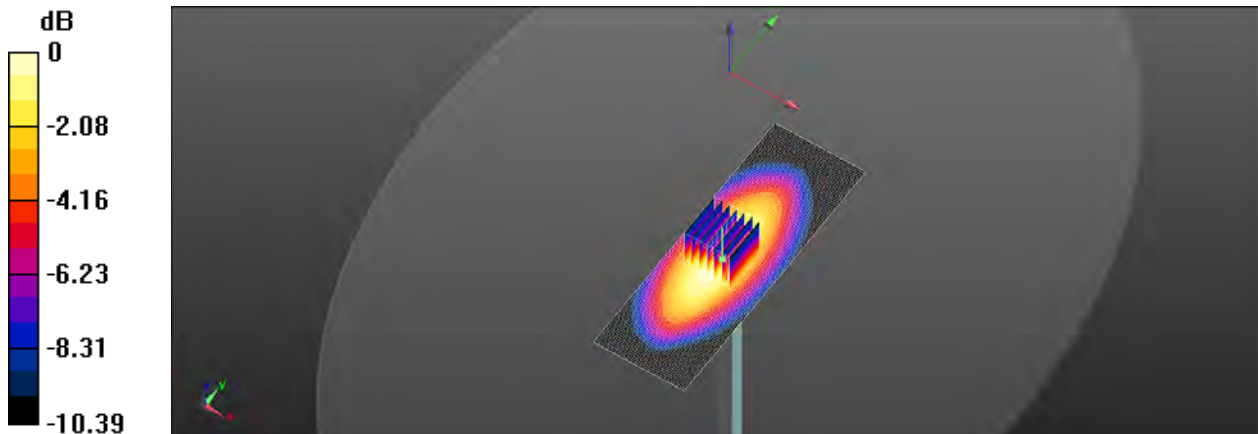
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.28 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 2.35 W/kg ; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 2.99 W/kg = 4.76 dBW/kg

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Date: 2019/12/18

Dipole 1750 MHz_SN:1008

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 39.443$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.1°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 12.2 W/kg

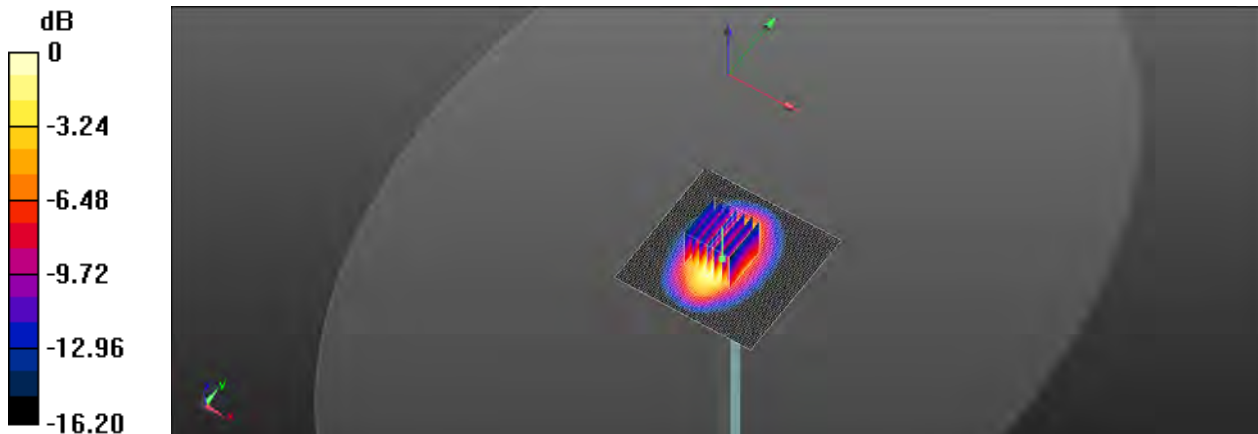
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 8.76 W/kg; SAR(10 g) = 4.74 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.90 dBW/kg

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Date: 2019/12/18

Dipole 1900 MHz_SN:5d173

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.451$ S/m; $\epsilon_r = 38.929$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(8.23, 8.23, 8.23); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 13.4 W/kg

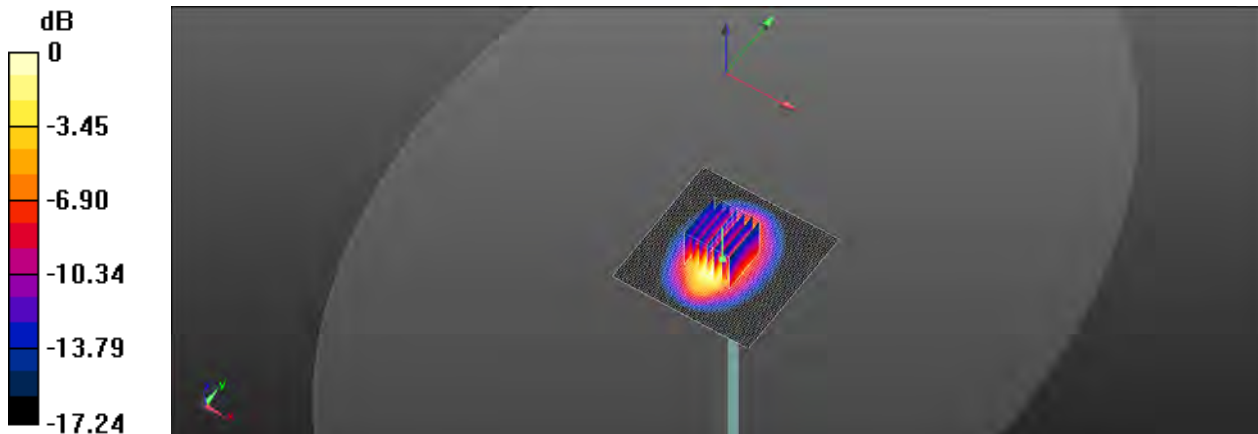
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.35 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.49 W/kg; SAR(10 g) = 5 W/kg

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

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Date: 2019/12/19

Dipole 2300 MHz_SN:1023

Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.651$ S/m; $\epsilon_r = 40.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.9°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.84, 7.84, 7.84); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (51x51x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 18.8 W/kg

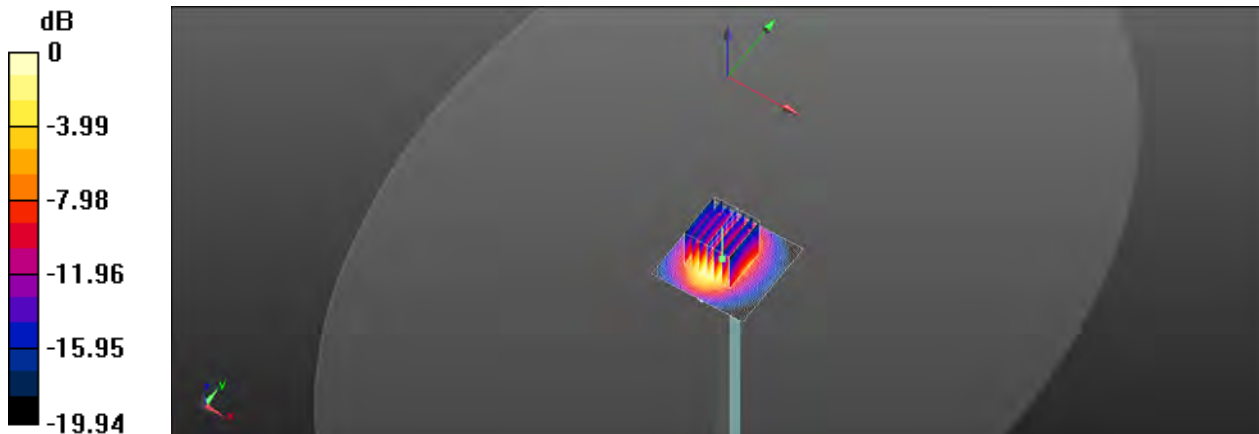
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.73 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 23.3 W/kg

SAR(1 g) = 11.7 W/kg; SAR(10 g) = 5.56 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



0 dB = 17.8 W/kg = 12.50 dBW/kg

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Date: 2019/12/12

Dipole 2450 MHz_SN:727

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.863$ S/m; $\epsilon_r = 37.619$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.48, 7.48, 7.48); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.1 W/kg

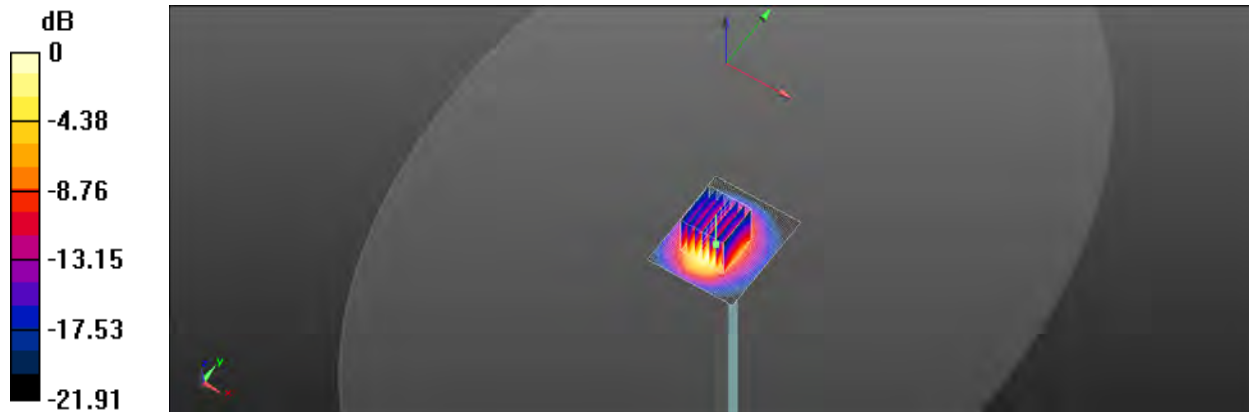
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.6 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.55 W/kg

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.32 dBW/kg

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Date: 2019/12/19

Dipole 2600 MHz_SN:1005

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.949$ S/m; $\epsilon_r = 37.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.0°C; Liquid temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(7.3, 7.3, 7.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.4 W/kg

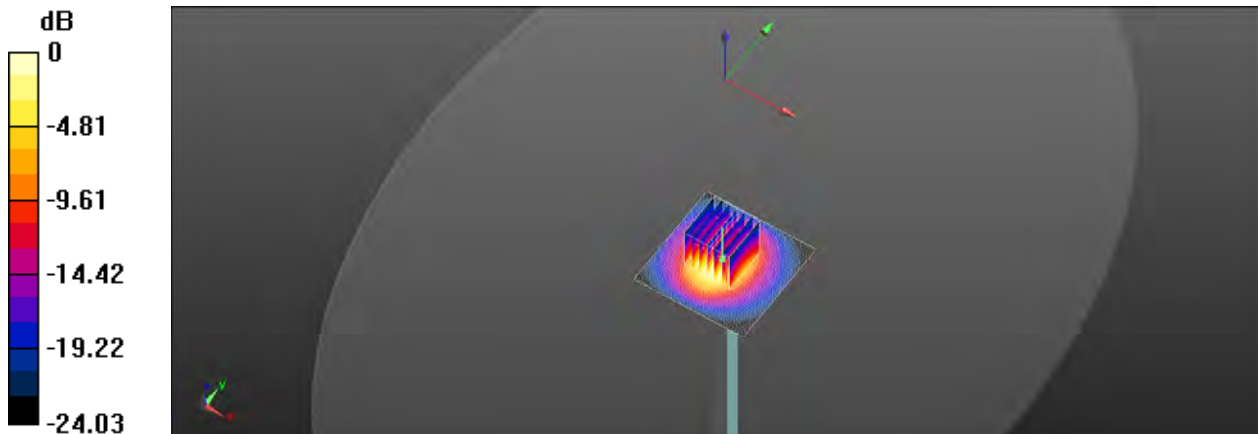
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.6 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.26 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg

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Date: 2019/12/13

Dipole 5200 MHz_SN:1023

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.513$ S/m; $\epsilon_r = 36.599$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.2°C; Liquid temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.1 W/kg

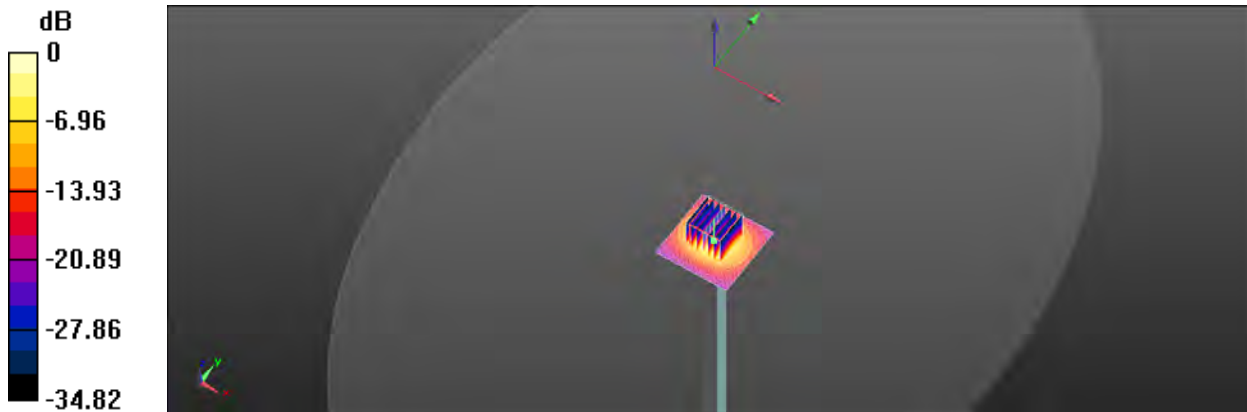
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.61 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 35.4 W/kg

SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.3 W/kg

Maximum value of SAR (measured) = 17.0 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

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Date: 2019/12/14

Dipole 5300 MHz_SN:1023

Communication System: CW; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.635$ S/m; $\epsilon_r = 36.214$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.8°C; Liquid temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.3, 5.3, 5.3); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.9 W/kg

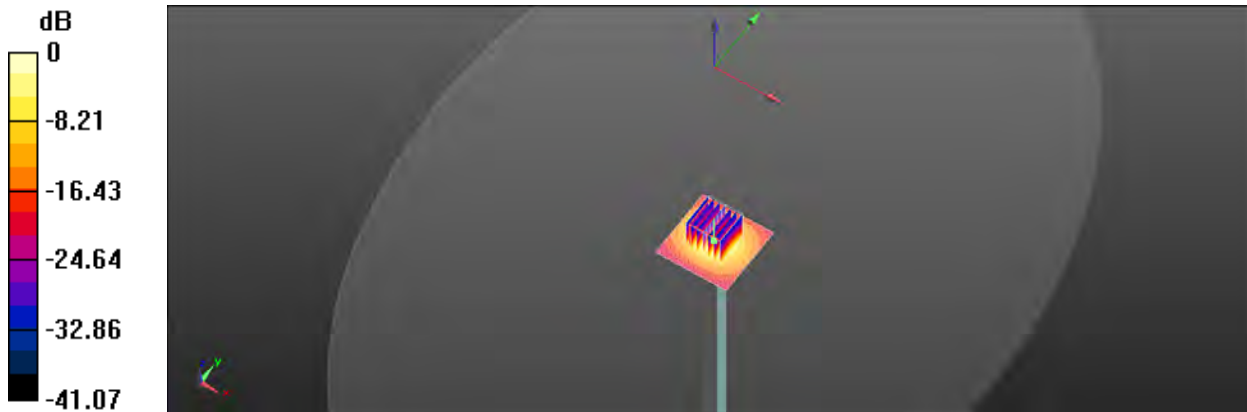
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.20 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 37.9 W/kg

SAR(1 g) = 8.38 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



0 dB = 17.8 W/kg = 12.50 dBW/kg

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Date: 2019/12/15

Dipole 5600 MHz_SN:1023

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.003$ S/m; $\epsilon_r = 35.105$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.4°C; Liquid temperature: 22.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(4.82, 4.82, 4.82); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.2 W/kg

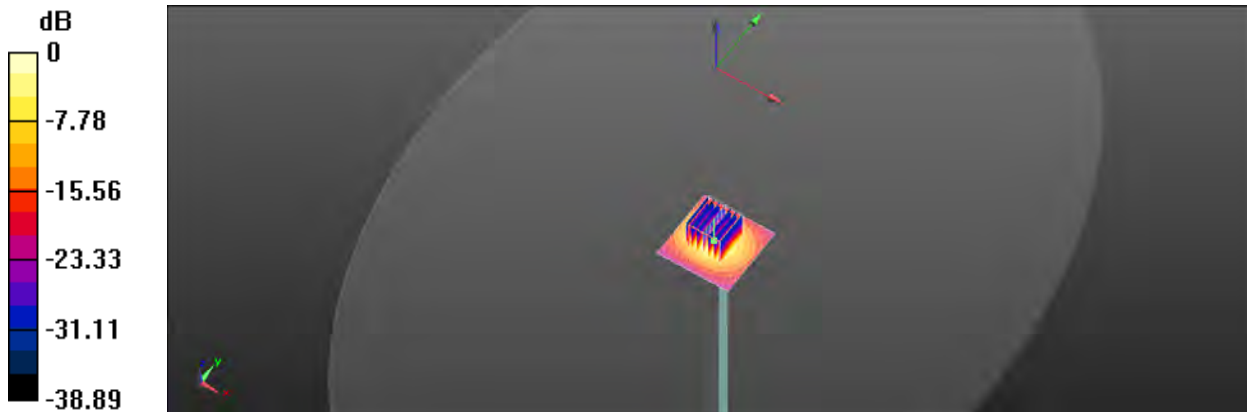
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.42 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 41.5 W/kg

SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



0 dB = 18.0 W/kg = 12.55 dBW/kg

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Date: 2019/12/16

Dipole 5800 MHz_SN:1023

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.195$ S/m; $\epsilon_r = 34.367$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 21.7°C; Liquid temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3770; ConvF(5.12, 5.12, 5.12); Calibrated: 2019/4/29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn856; Calibrated: 2019/4/24
- Phantom: ELI
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Pin=100mW/Area Scan (51x51x1): Interpolated grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.6 W/kg

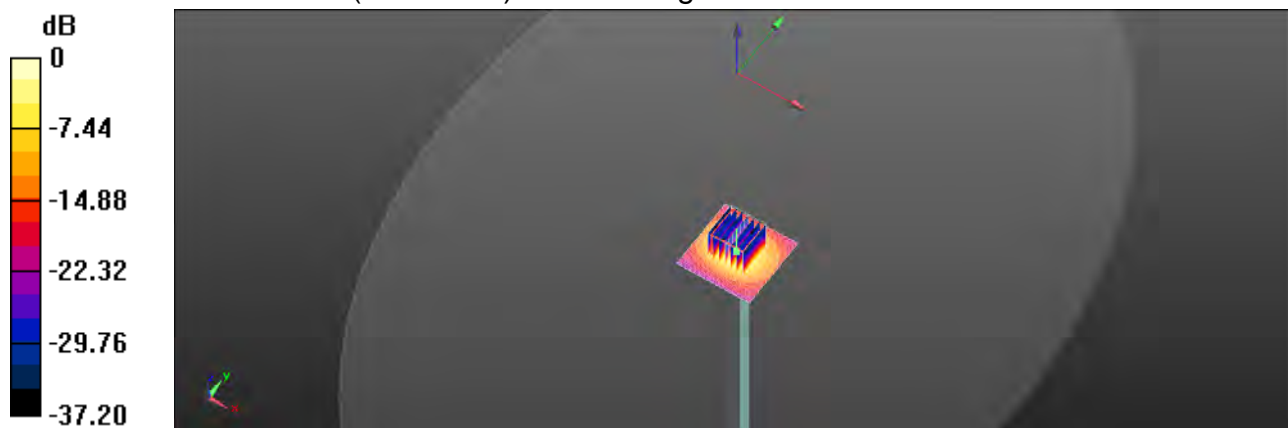
Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 61.17 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 41.9 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg

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7. Uncertainty Budget

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% | ∞ |
| <i>Isotropy , Axial</i> | 3.50% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.02% | 2.02% | ∞ |
| <i>Isotropy, Hemispherical</i> | 9.60% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 5.54% | 5.54% | ∞ |
| Modulation Response | 2.40% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.40% | 1.40% | ∞ |
| Boundary Effect | 1.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Linearity | 4.70% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.71% | 2.71% | ∞ |
| Detection Limits | 1.00% | R | $\sqrt{3}$ | 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 | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.46% | 0.46% | ∞ |
| Integration Time | 2.60% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.50% | 1.50% | ∞ |
| Measurement drift (class A evaluation) | 1.75% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.01% | 1.01% | ∞ |
| RF ambient condition - noise | 3.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| RF ambient conditions - reflections | 3.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| Probe positioner Mechanical restrictions | 0.40% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.23% | 0.23% | ∞ |
| Probe Positioning with respect to phantom shell | 2.90% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.67% | 1.67% | ∞ |
| Post-processing | 1.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Max SAR Eval | 1.00% | R | $\sqrt{3}$ | 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 | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.89% | 2.89% | ∞ |
| Phantom and Setup | | | | | | | | | |
| Phantom Uncertainty | 4.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.31% | 2.31% | ∞ |
| Liquid permittivity (mea.) | 2.64% | N | 1 | 1 | 0.64 | 0.43 | 1.69% | 1.14% | M |
| Liquid Conductivity (mea.) | 3.56% | N | 1 | 1 | 0.6 | 0.49 | 2.14% | 1.74% | M |
| Combined standard uncertainty | | RSS | | | | | 12.03% | 11.89% | |
| Expant uncertainty (95% confidence interval), K=2 | | | | | | | 24.06% | 23.78% | |

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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 | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.02% | 2.02% | ∞ |
| Isotropy, Hemispherical | 9.60% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 5.54% | 5.54% | ∞ |
| Modulation Response | 2.40% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.40% | 1.40% | ∞ |
| Boundary Effect | 1.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Linearity | 4.70% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.71% | 2.71% | ∞ |
| Detection Limits | 1.00% | R | $\sqrt{3}$ | 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 | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.46% | 0.46% | ∞ |
| Integration Time | 2.60% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.50% | 1.50% | ∞ |
| Measurement drift (class A evaluation) | 1.75% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.01% | 1.01% | ∞ |
| RF ambient condition - noise | 3.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| RF ambient conditions - reflections | 3.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.73% | 1.73% | ∞ |
| Probe positioner Mechanical restrictions | 0.40% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.23% | 0.23% | ∞ |
| Probe Positioning with respect to phantom shell | 2.90% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 1.67% | 1.67% | ∞ |
| Post-processing | 1.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 0.58% | 0.58% | ∞ |
| Max SAR Eval | 1.00% | R | $\sqrt{3}$ | 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 | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.89% | 2.89% | ∞ |
| | | | | | | | | | |
| Phantom and Setup | | | | | | | | | |
| Phantom Uncertainty | 4.00% | R | $\sqrt{3}$ | 1.732 | 1 | 1 | 2.31% | 2.31% | ∞ |
| Liquid permittivity (mea.) | 4.38% | N | 1 | 1 | 0.64 | 0.43 | 2.80% | 1.88% | M |
| Liquid Conductivity (mea.) | 4.36% | N | 1 | 1 | 0.6 | 0.49 | 2.62% | 2.14% | M |
| Combined standard uncertainty | | RSS | | | | | 12.04% | 11.76% | |
| Expant uncertainty (95% confidence interval), K=2 | | | | | | | 24.09% | 23.52% | |

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Appendixes

Refer to separated files for the following appendixes.

EN2019C0015 SAR_Appendix A Photographs

EN2019C0015 SAR_Appendix B DAE & Probe Cal. Certificate

EN2019C0015 SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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