



REPORT No.: SZ19070119W08

TEST REPORT

APPLICANT : Nubia Technology Co.,Ltd

PRODUCT NAME : LTE Digital Mobile Phone

MODEL NAME : NX627J

BRAND NAME : NUBIA

FCC ID : 2AHJO-NX627J

STANDARD(S) : 47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart D&H&L&M

RECEIPT DATE : 2019-08-21

TEST DATE : 2019-08-22 to 2019-09-16

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| Change History | | |
|----------------|------------|-------------------|
| Version | Date | Reason for change |
| 1.0 | 2019-09-20 | First edition |
| | | |

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1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

| | |
|-----------------------------|--|
| Applicant: | Nubia Technology Co.,Ltd |
| Applicant Address: | 10/F, Tower A, Hans Innovation Mansion, North Ring Rd., No.9018, High-Tech Park, Nanshan District, Shenzhen, China |
| Manufacturer: | Nubia Technology Co.,Ltd |
| ManufacturerAddress: | 10/F, Tower A, Hans Innovation Mansion, North Ring Rd., No.9018, High-Tech Park, Nanshan District, Shenzhen, China |

1.2. Equipment Under Test (EUT) Description

| | | |
|--------------------------|-------------------------------|---|
| Product Name: | LTE Digital Mobile Phone | |
| Serial No: | (N/A, marked #1 by test site) | |
| Hardware Version: | NX627J_V1MB | |
| Software Version: | NX627J_ENCommon_V1.00 | |
| Modulation Type: | QPSK, 16QAM, 64QAM | |
| Operation Band: | Band 2 / 4 / 5 / 7 / 12 / 17 | |
| Frequency Range: | LTE Band 2 | Tx: 1850.7MHz -1909.3MHz Rx: 1930.7MHz -1989.3MHz |
| | LTE Band 4 | Tx: 1710.7MHz -1754.3MHz Rx: 2110.7MHz - 2154.3MHz |
| | LTE Band 5 | Tx: 824.7MHz -848.3MHz Rx: 869.7MHz – 893.3MHz |
| | LTE Band 7 | Tx: 2502.5MHz - 2567.5MHz Rx: 2622.5MHz– 2687.5MHz |
| | LTE Band 12 | Tx: 699.7MHz - 715.3MHz Rx: 729.7MHz– 745.3MHz |
| | LTE Band 17 | Tx: 706.5MHz - 713.5MHz Rx: 736.5MHz– 743.5MHz |
| | LTE Band 2 | 1.4MHz, 3 MHz, 5 MHz, 10MHz, 15 MHz, 20 MHz |
| Channel Bandwidth | LTE Band 4 | 1.4MHz, 3 MHz, 5 MHz, 10MHz, 15 MHz, 20 MHz |
| | LTE Band 5 | 1.4MHz, 3 MHz, 5 MHz, 10MHz |
| | LTE Band 7 | 5 MHz, 10MHz, 15 MHz, 20 MHz |



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| | | |
|-------------------------------|-----------------------|--------------------------------|
| | LTE Band 12 | 1.4MHz, 3 MHz, 5 MHz, 10MHz |
| | LTE Band 17 | 5 MHz, 10MHz |
| Antenna Type: | PIFA Antenna | |
| Antenna Gain: | Top Antenna | |
| | LTE Band 2 | 1.22 dBi |
| | LTE Band 4 | 1.34 dBi |
| | LTE Band 5 | 1.36 dBi |
| | LTE Band 7 | 1.80 dBi |
| | LTE Band 12 | 1.55 dBi |
| Antenna Gain: | LTE Band 17 | 1.41 dBi |
| | Bottom Antenna | |
| | LTE Band 2 | 1.22 dBi |
| | LTE Band 4 | 1.34 dBi |
| | LTE Band 5 | 1.36 dBi |
| | LTE Band 7 | 1.80 dBi |
| Accessory Information: | LTE Band 12 | 1.55 dBi |
| | LTE Band 17 | 1.41 dBi |
| | Battery | |
| | Brand Name: | ATL |
| | Model No.: | Li3839T44P6h866443 |
| | Serial No.: | (N/A, marked #1 by test site) |
| Accessory Information: | Capacity: | 3900mAh |
| | Rated Voltage: | 3.82V |
| | Charge Limit: | 4.40V |
| | AC Adapter 1 | |
| | Brand Name: | N/A |
| | Model No.: | CYNBY090200-A00 |
| Accessory Information: | Serial No.: | (N/A, marked #1 by test site) |
| | Rated Input: | 100-240V~50/60Hz 0.5A |
| | Rated Output: | 5V=3.0A or 9V=2.0A or 12V=1.5A |

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

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1.3. Emission Designator

| LTE Band2 | | Emission Designator (99%OBW) | |
|------------|---------|------------------------------|---------|
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 1.4 | 1M09G7D | 1M10W7D | 1M10D7W |
| 3 | 2M70G7D | 2M70W7D | 2M70D7W |
| 5 | 4M50G7D | 4M51W7D | 4M51D7W |
| 10 | 9M01G7D | 8M97W7D | 8M98D7W |
| 15 | 13M5G7D | 13M5W7D | 13M5D7W |
| 20 | 18M0G7D | 18M0W7D | 18M0D7W |
| LTE Band4 | | Emission Designator (99%OBW) | |
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 1.4 | 1M10G7D | 1M10W7D | 1M10D7W |
| 3 | 2M70G7D | 2M70W7D | 2M70D7W |
| 5 | 4M51G7D | 4M51W7D | 4M51D7W |
| 10 | 9M0G7D | 8M99W7D | 8M97D7W |
| 15 | 13M5G7D | 13M5W7D | 13M5D7W |
| 20 | 18M0G7D | 18M0W7D | 18M0D7W |
| LTE Band5 | | Emission Designator (99%OBW) | |
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 1.4 | 1M09G7D | 1M10W7D | 1M10D7W |
| 3 | 2M71G7D | 2M70W7D | 2M70D7W |
| 5 | 4M50G7D | 4M51W7D | 4M51D7W |
| 10 | 9M02G7D | 8M97W7D | 8M97D7W |
| LTE Band7 | | Emission Designator (99%OBW) | |
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 5 | 4M51G7D | 4M51W7D | 4M49D7W |
| 10 | 9M02G7D | 8M97W7D | 8M99D7W |
| 15 | 13M5G7D | 13M5W7D | 13M4D7W |
| 20 | 18M0G7D | 18M0W7D | 18M0D7W |
| LTE Band12 | | Emission Designator (99%OBW) | |
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 1.4 | 1M10G7D | 1M10W7D | 1M10D7W |



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| | | | |
|----|---------|---------|---------|
| 3 | 2M70G7D | 2M70W7D | 2M71D7W |
| 5 | 4M51G7D | 4M51W7D | 4M51D7W |
| 10 | 9M01G7D | 8M97W7D | 8M97D7W |

| LTE Band17 | Emission Designator (99%OBW) | | |
|---------------|------------------------------|---------|---------|
| BW(MHz) | QPSK | 16QAM | 64QAM |
| 5 | 4M50G7D | 4M51W7D | 4M50D7W |
| 10 | 9M00G7D | 8M96W7D | 8M97D7W |

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1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and Part 27 for the EUT FCC ID Certification:

| No | Identity | Document Title |
|----|----------------|---|
| 1 | 47 CFR Part 2 | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations |
| 2 | 47 CFR Part 22 | Public Mobile Services |
| 3 | 47 CFR Part 24 | Personal Communications Services |
| 4 | 47 CFR Part 27 | Miscellaneous Wireless Communications Services |

Test detailed items/section required by FCC rules and results are as below:

| Section | Description | Test Date | Test Engineer | Result |
|---|---|------------------------------|-----------------------------|--------|
| 2.1046, 22.913(a)(2), 24.232(c), 27.50(c)(10) 27.50(d)(4), 27.50(h)(2) 27.50(a)(3) | Transmitter Conducted Output Power and ERP/EIRP | Aug 23, 2019 Sept 2, 2019 | Gao Mingzhou Peng Xuewei | PASS |
| 2.1049 | Occupied Bandwidth | Aug 23 to Sept 2, 2019 | Gao Mingzhou | PASS |
| 2.1055, 22.355, 24.235, 27.54 | Frequency Stability | Sept 9, 2019 | Gao Mingzhou | PASS |
| 24.232(d), 27.50(d)(5) | Peak to Average Radio | Aug 29 to Sept 7, 2019 | Gao Mingzhou | PASS |
| 2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4) | Conducted Spurious Emissions | Aug 29 to Sept 7, 2019 | Gao Mingzhou | PASS |
| 2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4) | Band Edge | Aug 29 to Sept 7, 2019 | Gao Mingzhou | PASS |
| 2.1051, 22.917(a), 24.238, 27.53(g)(h) 27.53(m)(4)(a)(4) | Radiated Spurious Emissions | Sept 2 to 7, 2019 | Peng Xuewei | PASS |

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 (Oct 27, 2017) and ANSI/TIA-603-E-2016.

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 26.5dB contains two parts that cable loss 16.5dB and Attenuator 10dB.



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1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

| | |
|-----------------------------|---------|
| Temperature (°C): | 15 - 35 |
| Relative Humidity (%): | 30 -60 |
| Atmospheric Pressure (kPa): | 86-106 |

2. 47 CFR Part 2, Part 22H, Part 24E and 27D&H&L&M Requirements

2.1. Transmitter Conducted Output Power And ERP/EIRP

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2/25, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

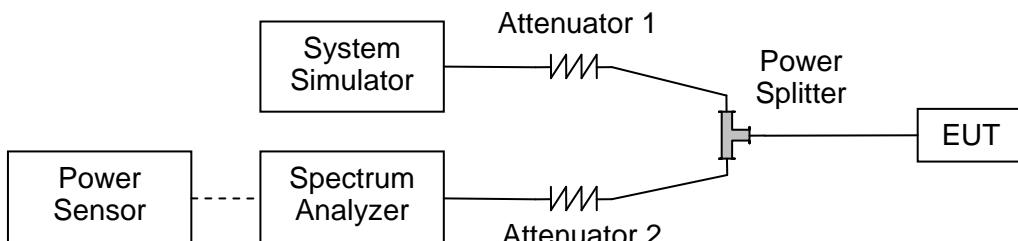
According to FCC section 27.50 (d) for LTE Band 4, fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

According to FCC section 22.913 (a.2) for LTE Band 5/26, the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to FCC section 27.50 (c) for LTE Band 12/17, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.



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2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

2.1.4. Result

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Conducted Output Power:**Top Antenna**

| LTE Band2 | | | | | | |
|------------------|------------|---------|-----------|----------------------------------|-------------------------------------|-----------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18700 | 18900 | 19100 |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 |
| 20 | QPSK | 1 | 0 | 15.11 | 15.13 | 15.14 |
| 20 | QPSK | 1 | 49 | 15.06 | 15.09 | 15.20 |
| 20 | QPSK | 1 | 99 | 15.17 | 15.33 | 15.37 |
| 20 | QPSK | 50 | 0 | 14.28 | 14.30 | 14.30 |
| 20 | QPSK | 50 | 24 | 14.29 | 14.34 | 14.34 |
| 20 | QPSK | 50 | 50 | 14.34 | 14.45 | 14.46 |
| 20 | QPSK | 100 | 0 | 14.27 | 14.36 | 14.32 |
| 20 | 16QAM | 1 | 0 | 14.33 | 14.33 | 14.35 |
| 20 | 16QAM | 1 | 49 | 14.68 | 14.47 | 14.43 |
| 20 | 16QAM | 1 | 99 | 14.42 | 14.58 | 14.67 |
| 20 | 16QAM | 50 | 0 | 14.35 | 14.32 | 14.30 |
| 20 | 16QAM | 50 | 24 | 14.31 | 14.36 | 14.37 |
| 20 | 16QAM | 50 | 50 | 14.39 | 14.36 | 14.43 |
| 20 | 16QAM | 100 | 0 | 14.42 | 14.43 | 14.30 |
| 20 | 64QAM | 1 | 0 | 14.29 | 14.48 | 14.22 |
| 20 | 64QAM | 1 | 49 | 14.24 | 14.42 | 14.33 |
| 20 | 64QAM | 1 | 99 | 14.68 | 14.52 | 14.52 |
| 20 | 64QAM | 50 | 0 | 13.37 | 13.29 | 13.34 |
| 20 | 64QAM | 50 | 24 | 13.40 | 13.34 | 13.39 |
| 20 | 64QAM | 50 | 50 | 13.39 | 13.40 | 13.34 |
| 20 | 64QAM | 100 | 0 | 13.39 | 13.36 | 13.37 |

| LTE Band2 | | | | | | |
|------------------|------------|---------|-----------|----------------------------------|-------------------------------------|-----------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18675 | 18900 | 19125 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | QPSK | 1 | 0 | 15.14 | 15.17 | 15.08 |

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|----|-------|----|----|-------|-------|-------|
| 15 | QPSK | 1 | 37 | 14.93 | 15.29 | 15.17 |
| 15 | QPSK | 1 | 74 | 15.30 | 15.22 | 15.30 |
| 15 | QPSK | 36 | 0 | 14.26 | 14.35 | 14.34 |
| 15 | QPSK | 36 | 20 | 14.25 | 14.44 | 14.41 |
| 15 | QPSK | 36 | 39 | 14.37 | 14.38 | 14.35 |
| 15 | QPSK | 75 | 0 | 14.29 | 14.35 | 14.31 |
| 15 | 16QAM | 1 | 0 | 14.38 | 14.46 | 14.40 |
| 15 | 16QAM | 1 | 37 | 14.51 | 14.54 | 14.40 |
| 15 | 16QAM | 1 | 74 | 14.46 | 14.58 | 14.58 |
| 15 | 16QAM | 36 | 0 | 14.25 | 14.30 | 14.33 |
| 15 | 16QAM | 36 | 20 | 14.34 | 14.27 | 14.40 |
| 15 | 16QAM | 36 | 39 | 14.39 | 14.48 | 14.45 |
| 15 | 16QAM | 75 | 0 | 14.26 | 14.28 | 14.37 |
| 15 | 64QAM | 1 | 0 | 14.46 | 14.22 | 14.28 |
| 15 | 64QAM | 1 | 37 | 14.45 | 14.26 | 14.68 |
| 15 | 64QAM | 1 | 74 | 14.34 | 14.38 | 14.53 |
| 15 | 64QAM | 36 | 0 | 13.19 | 13.36 | 13.24 |
| 15 | 64QAM | 36 | 20 | 13.39 | 13.41 | 13.31 |
| 15 | 64QAM | 36 | 39 | 13.27 | 13.32 | 13.41 |
| 15 | 64QAM | 75 | 0 | 13.26 | 13.33 | 13.32 |

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18650 | 18900 | 19150 |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 |
| 10 | QPSK | 1 | 0 | 14.99 | 14.98 | 15.08 |
| 10 | QPSK | 1 | 25 | 15.10 | 15.20 | 15.08 |
| 10 | QPSK | 1 | 49 | 14.99 | 15.07 | 14.99 |
| 10 | QPSK | 25 | 0 | 14.25 | 14.26 | 14.22 |
| 10 | QPSK | 25 | 12 | 14.21 | 14.33 | 14.26 |
| 10 | QPSK | 25 | 25 | 14.12 | 14.25 | 14.21 |
| 10 | QPSK | 50 | 0 | 14.18 | 14.27 | 14.25 |
| 10 | 16QAM | 1 | 0 | 14.66 | 14.59 | 14.58 |
| 10 | 16QAM | 1 | 25 | 14.35 | 14.31 | 14.38 |
| 10 | 16QAM | 1 | 49 | 14.30 | 14.38 | 14.59 |

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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 25 | 0 | 13.14 | 13.18 | 13.24 |
| 10 | 16QAM | 25 | 12 | 13.32 | 13.28 | 13.27 |
| 10 | 16QAM | 25 | 25 | 13.27 | 13.23 | 13.22 |
| 10 | 16QAM | 50 | 0 | 13.23 | 13.16 | 13.20 |
| 10 | 64QAM | 1 | 0 | 14.24 | 14.29 | 14.29 |
| 10 | 64QAM | 1 | 25 | 14.27 | 14.32 | 14.36 |
| 10 | 64QAM | 1 | 49 | 13.94 | 14.07 | 14.04 |
| 10 | 64QAM | 25 | 0 | 13.24 | 13.28 | 13.29 |
| 10 | 64QAM | 25 | 12 | 13.27 | 13.25 | 13.26 |
| 10 | 64QAM | 25 | 25 | 13.20 | 12.98 | 13.20 |
| 10 | 64QAM | 50 | 0 | 13.21 | 13.21 | 13.18 |

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18625 | 18900 | 19175 |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | QPSK | 1 | 0 | 15.13 | 15.18 | 15.12 |
| 5 | QPSK | 1 | 12 | 15.12 | 15.23 | 15.10 |
| 5 | QPSK | 1 | 24 | 15.08 | 15.24 | 15.17 |
| 5 | QPSK | 12 | 0 | 14.24 | 14.15 | 14.22 |
| 5 | QPSK | 12 | 7 | 14.25 | 14.30 | 14.22 |
| 5 | QPSK | 12 | 13 | 14.24 | 14.23 | 14.26 |
| 5 | QPSK | 25 | 0 | 14.23 | 14.21 | 14.23 |
| 5 | 16QAM | 1 | 0 | 14.36 | 14.26 | 14.64 |
| 5 | 16QAM | 1 | 12 | 14.34 | 14.27 | 14.64 |
| 5 | 16QAM | 1 | 24 | 14.37 | 14.24 | 14.63 |
| 5 | 16QAM | 12 | 0 | 13.22 | 13.10 | 13.20 |
| 5 | 16QAM | 12 | 7 | 13.29 | 13.31 | 13.25 |
| 5 | 16QAM | 12 | 13 | 13.32 | 13.21 | 13.16 |
| 5 | 16QAM | 25 | 0 | 13.24 | 13.22 | 13.20 |
| 5 | 64QAM | 1 | 0 | 14.63 | 14.18 | 14.23 |
| 5 | 64QAM | 1 | 12 | 14.62 | 14.28 | 14.39 |
| 5 | 64QAM | 1 | 24 | 14.63 | 14.27 | 14.29 |
| 5 | 64QAM | 12 | 0 | 13.28 | 13.21 | 13.20 |
| 5 | 64QAM | 12 | 7 | 13.34 | 13.18 | 13.18 |

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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 5 | 64QAM | 12 | 13 | 13.31 | 13.27 | 13.25 |
| 5 | 64QAM | 25 | 0 | 13.38 | 13.18 | 13.25 |

LTE Band2

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 18615 | 18900 | 19185 |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 |
| 3 | QPSK | 1 | 0 | 15.18 | 14.96 | 15.08 |
| 3 | QPSK | 1 | 8 | 15.11 | 15.32 | 15.15 |
| 3 | QPSK | 1 | 14 | 15.30 | 15.17 | 15.17 |
| 3 | QPSK | 8 | 0 | 14.24 | 14.19 | 14.21 |
| 3 | QPSK | 8 | 4 | 14.30 | 14.24 | 14.25 |
| 3 | QPSK | 8 | 7 | 14.30 | 14.24 | 14.20 |
| 3 | QPSK | 15 | 0 | 14.22 | 14.30 | 14.23 |
| 3 | 16QAM | 1 | 0 | 14.38 | 14.29 | 14.23 |
| 3 | 16QAM | 1 | 8 | 14.42 | 14.36 | 14.32 |
| 3 | 16QAM | 1 | 14 | 14.35 | 14.32 | 14.67 |
| 3 | 16QAM | 8 | 0 | 13.28 | 13.41 | 13.33 |
| 3 | 16QAM | 8 | 4 | 13.35 | 13.32 | 13.38 |
| 3 | 16QAM | 8 | 7 | 13.25 | 13.30 | 13.33 |
| 3 | 16QAM | 15 | 0 | 13.28 | 13.32 | 13.27 |
| 3 | 64QAM | 1 | 0 | 14.31 | 14.24 | 14.27 |
| 3 | 64QAM | 1 | 8 | 14.73 | 14.72 | 14.32 |
| 3 | 64QAM | 1 | 14 | 14.34 | 14.70 | 14.34 |
| 3 | 64QAM | 8 | 0 | 13.26 | 13.28 | 13.12 |
| 3 | 64QAM | 8 | 4 | 13.36 | 13.26 | 13.26 |
| 3 | 64QAM | 8 | 7 | 13.46 | 13.35 | 13.21 |
| 3 | 64QAM | 15 | 0 | 13.31 | 13.31 | 13.29 |

LTE Band2

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|----------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 18607 | 18900 | 19193 |
| | | | | | | |



REPORT No.: SZ19070119W08

| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 |
|-----------------|-------|---|---|--------|-------|--------|
| 1.4 | QPSK | 1 | 0 | 15.05 | 15.07 | 15.03 |
| 1.4 | QPSK | 1 | 3 | 15.15 | 15.13 | 15.12 |
| 1.4 | QPSK | 1 | 5 | 15.12 | 15.10 | 15.08 |
| 1.4 | QPSK | 3 | 0 | 15.11 | 15.11 | 15.07 |
| 1.4 | QPSK | 3 | 1 | 15.15 | 15.12 | 15.10 |
| 1.4 | QPSK | 3 | 3 | 15.17 | 15.21 | 15.10 |
| 1.4 | QPSK | 6 | 0 | 14.20 | 14.18 | 14.17 |
| 1.4 | 16QAM | 1 | 0 | 14.23 | 14.23 | 14.17 |
| 1.4 | 16QAM | 1 | 3 | 14.19 | 14.39 | 14.37 |
| 1.4 | 16QAM | 1 | 5 | 14.07 | 14.27 | 13.95 |
| 1.4 | 16QAM | 3 | 0 | 14.09 | 14.14 | 14.11 |
| 1.4 | 16QAM | 3 | 1 | 14.27 | 14.09 | 14.14 |
| 1.4 | 16QAM | 3 | 3 | 14.29 | 14.26 | 14.00 |
| 1.4 | 16QAM | 6 | 0 | 13.34 | 13.23 | 13.15 |
| 1.4 | 64QAM | 1 | 0 | 14.18 | 14.10 | 14.13 |
| 1.4 | 64QAM | 1 | 3 | 14.20 | 14.41 | 14.29 |
| 1.4 | 64QAM | 1 | 5 | 14.18 | 14.53 | 14.12 |
| 1.4 | 64QAM | 3 | 0 | 14.21 | 14.27 | 14.28 |
| 1.4 | 64QAM | 3 | 1 | 14.30 | 14.27 | 14.01 |
| 1.4 | 64QAM | 3 | 3 | 14.22 | 14.36 | 14.13 |
| 1.4 | 64QAM | 6 | 0 | 13.22 | 13.23 | 13.12 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20050 | 20175 | 20300 |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 |
| 20 | QPSK | 1 | 0 | 16.08 | 16.06 | 16.20 |
| 20 | QPSK | 1 | 49 | 15.94 | 16.02 | 16.15 |
| 20 | QPSK | 1 | 99 | 15.86 | 15.99 | 16.10 |
| 20 | QPSK | 50 | 0 | 15.15 | 15.26 | 15.25 |
| 20 | QPSK | 50 | 24 | 15.15 | 15.23 | 15.23 |
| 20 | QPSK | 50 | 50 | 15.04 | 15.15 | 15.28 |
| 20 | QPSK | 100 | 0 | 15.14 | 15.18 | 15.25 |

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| | | | | | | |
|----|-------|-----|----|-------|-------|-------|
| 20 | 16QAM | 1 | 0 | 15.33 | 15.41 | 15.30 |
| 20 | 16QAM | 1 | 49 | 15.48 | 15.25 | 15.39 |
| 20 | 16QAM | 1 | 99 | 15.27 | 15.49 | 15.25 |
| 20 | 16QAM | 50 | 0 | 14.20 | 14.25 | 14.35 |
| 20 | 16QAM | 50 | 24 | 14.16 | 14.27 | 14.16 |
| 20 | 16QAM | 50 | 50 | 14.12 | 14.13 | 14.13 |
| 20 | 16QAM | 100 | 0 | 14.14 | 14.22 | 14.23 |
| 20 | 64QAM | 1 | 0 | 15.12 | 15.23 | 15.45 |
| 20 | 64QAM | 1 | 49 | 15.16 | 15.09 | 14.97 |
| 20 | 64QAM | 1 | 99 | 15.43 | 15.00 | 15.47 |
| 20 | 64QAM | 50 | 0 | 14.13 | 14.22 | 14.17 |
| 20 | 64QAM | 50 | 24 | 14.15 | 14.26 | 14.20 |
| 20 | 64QAM | 50 | 50 | 14.19 | 14.14 | 14.16 |
| 20 | 64QAM | 100 | 0 | 14.22 | 14.20 | 14.29 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 20025 | | 20175 | 20325 |
| Frequency (MHz) | | | 1717.5 | | 1732.5 | 1747.5 |
| 15 | QPSK | 1 | 0 | 15.95 | 15.99 | 16.09 |
| 15 | QPSK | 1 | 37 | 15.99 | 16.08 | 16.00 |
| 15 | QPSK | 1 | 74 | 15.86 | 16.08 | 16.11 |
| 15 | QPSK | 36 | 0 | 15.09 | 15.16 | 15.19 |
| 15 | QPSK | 36 | 20 | 15.13 | 15.26 | 15.22 |
| 15 | QPSK | 36 | 39 | 15.18 | 15.17 | 15.26 |
| 15 | QPSK | 75 | 0 | 15.13 | 15.15 | 15.16 |
| 15 | 16QAM | 1 | 0 | 15.21 | 15.43 | 15.15 |
| 15 | 16QAM | 1 | 37 | 15.29 | 15.29 | 15.13 |
| 15 | 16QAM | 1 | 74 | 15.15 | 15.45 | 15.41 |
| 15 | 16QAM | 36 | 0 | 14.16 | 14.18 | 14.24 |
| 15 | 16QAM | 36 | 20 | 14.11 | 14.18 | 14.24 |
| 15 | 16QAM | 36 | 39 | 14.07 | 14.16 | 14.22 |
| 15 | 16QAM | 75 | 0 | 14.18 | 14.19 | 14.28 |
| 15 | 64QAM | 1 | 0 | 14.99 | 15.30 | 15.35 |
| 15 | 64QAM | 1 | 37 | 15.41 | 15.17 | 15.23 |



| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 15 | 64QAM | 1 | 74 | 15.45 | 15.16 | 15.20 |
| 15 | 64QAM | 36 | 0 | 14.10 | 14.17 | 14.21 |
| 15 | 64QAM | 36 | 20 | 14.16 | 14.18 | 14.20 |
| 15 | 64QAM | 36 | 39 | 14.19 | 14.15 | 14.17 |
| 15 | 64QAM | 75 | 0 | 14.12 | 14.23 | 14.16 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20000 | 20175 | 20350 |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 |
| 10 | QPSK | 1 | 0 | 15.87 | 16.06 | 15.89 |
| 10 | QPSK | 1 | 25 | 15.85 | 15.98 | 15.99 |
| 10 | QPSK | 1 | 49 | 15.93 | 15.76 | 15.99 |
| 10 | QPSK | 25 | 0 | 14.92 | 15.14 | 15.16 |
| 10 | QPSK | 25 | 12 | 15.04 | 15.10 | 15.14 |
| 10 | QPSK | 25 | 25 | 14.93 | 15.04 | 15.11 |
| 10 | QPSK | 50 | 0 | 14.99 | 15.09 | 15.01 |
| 10 | 16QAM | 1 | 0 | 15.12 | 15.27 | 15.03 |
| 10 | 16QAM | 1 | 25 | 15.39 | 15.13 | 15.45 |
| 10 | 16QAM | 1 | 49 | 15.46 | 15.36 | 15.35 |
| 10 | 16QAM | 25 | 0 | 14.12 | 14.11 | 14.10 |
| 10 | 16QAM | 25 | 12 | 14.04 | 14.14 | 14.11 |
| 10 | 16QAM | 25 | 25 | 14.00 | 13.91 | 14.00 |
| 10 | 16QAM | 50 | 0 | 13.94 | 13.98 | 14.10 |
| 10 | 64QAM | 1 | 0 | 15.04 | 15.12 | 15.02 |
| 10 | 64QAM | 1 | 25 | 15.11 | 15.40 | 15.49 |
| 10 | 64QAM | 1 | 49 | 15.09 | 15.13 | 15.08 |
| 10 | 64QAM | 25 | 0 | 13.93 | 14.07 | 14.06 |
| 10 | 64QAM | 25 | 12 | 14.02 | 14.13 | 14.17 |
| 10 | 64QAM | 25 | 25 | 13.90 | 14.02 | 14.04 |
| 10 | 64QAM | 50 | 0 | 13.96 | 14.03 | 14.02 |

| LTE Band4 |
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REPORT No.: SZ19070119W08

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 19975 | 20175 | 20375 |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 |
| 5 | QPSK | 1 | 0 | 15.77 | 15.99 | 16.04 |
| 5 | QPSK | 1 | 12 | 15.83 | 15.98 | 15.95 |
| 5 | QPSK | 1 | 24 | 15.78 | 15.90 | 15.89 |
| 5 | QPSK | 12 | 0 | 15.00 | 15.00 | 15.04 |
| 5 | QPSK | 12 | 7 | 15.00 | 15.11 | 15.08 |
| 5 | QPSK | 12 | 13 | 14.95 | 15.12 | 15.04 |
| 5 | QPSK | 25 | 0 | 14.98 | 15.02 | 15.08 |
| 5 | 16QAM | 1 | 0 | 15.02 | 15.43 | 15.11 |
| 5 | 16QAM | 1 | 12 | 15.13 | 15.48 | 15.07 |
| 5 | 16QAM | 1 | 24 | 15.07 | 15.42 | 15.02 |
| 5 | 16QAM | 12 | 0 | 14.06 | 14.00 | 14.03 |
| 5 | 16QAM | 12 | 7 | 14.09 | 14.13 | 14.11 |
| 5 | 16QAM | 12 | 13 | 13.98 | 14.05 | 14.09 |
| 5 | 16QAM | 25 | 0 | 13.99 | 14.10 | 14.03 |
| 5 | 64QAM | 1 | 0 | 15.00 | 15.44 | 15.42 |
| 5 | 64QAM | 1 | 12 | 15.38 | 15.14 | 15.41 |
| 5 | 64QAM | 1 | 24 | 15.34 | 15.04 | 15.11 |
| 5 | 64QAM | 12 | 0 | 14.01 | 14.08 | 14.10 |
| 5 | 64QAM | 12 | 7 | 14.00 | 14.09 | 14.15 |
| 5 | 64QAM | 12 | 13 | 14.01 | 14.07 | 14.06 |
| 5 | 64QAM | 25 | 0 | 13.96 | 14.10 | 14.01 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 19965 | 20175 | 20385 |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 |
| 3 | QPSK | 1 | 0 | 15.89 | 15.90 | 16.02 |
| 3 | QPSK | 1 | 8 | 15.98 | 16.12 | 16.06 |
| 3 | QPSK | 1 | 14 | 15.78 | 15.97 | 15.97 |
| 3 | QPSK | 8 | 0 | 14.98 | 15.04 | 15.05 |

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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 3 | QPSK | 8 | 4 | 15.04 | 15.12 | 15.14 |
| 3 | QPSK | 8 | 7 | 15.00 | 15.10 | 15.10 |
| 3 | QPSK | 15 | 0 | 15.00 | 15.06 | 15.00 |
| 3 | 16QAM | 1 | 0 | 15.22 | 15.31 | 15.35 |
| 3 | 16QAM | 1 | 8 | 15.44 | 15.44 | 15.18 |
| 3 | 16QAM | 1 | 14 | 15.35 | 15.13 | 15.21 |
| 3 | 16QAM | 8 | 0 | 14.02 | 14.15 | 14.02 |
| 3 | 16QAM | 8 | 4 | 14.14 | 14.24 | 14.21 |
| 3 | 16QAM | 8 | 7 | 14.08 | 14.16 | 14.20 |
| 3 | 16QAM | 15 | 0 | 14.08 | 14.06 | 14.13 |
| 3 | 64QAM | 1 | 0 | 14.99 | 15.08 | 15.06 |
| 3 | 64QAM | 1 | 8 | 15.18 | 15.06 | 15.22 |
| 3 | 64QAM | 1 | 14 | 14.99 | 15.06 | 14.89 |
| 3 | 64QAM | 8 | 0 | 13.97 | 14.01 | 13.95 |
| 3 | 64QAM | 8 | 4 | 14.09 | 14.07 | 14.11 |
| 3 | 64QAM | 8 | 7 | 14.03 | 14.10 | 14.22 |
| 3 | 64QAM | 15 | 0 | 13.99 | 14.07 | 13.98 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 19957 | 20175 | 20393 |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 |
| 1.4 | QPSK | 1 | 0 | 15.64 | 15.85 | 15.86 |
| 1.4 | QPSK | 1 | 3 | 15.98 | 15.98 | 16.02 |
| 1.4 | QPSK | 1 | 5 | 15.84 | 15.93 | 15.95 |
| 1.4 | QPSK | 3 | 0 | 15.92 | 15.89 | 15.88 |
| 1.4 | QPSK | 3 | 1 | 15.88 | 15.98 | 16.03 |
| 1.4 | QPSK | 3 | 3 | 15.87 | 15.94 | 15.93 |
| 1.4 | QPSK | 6 | 0 | 14.97 | 15.06 | 15.06 |
| 1.4 | 16QAM | 1 | 0 | 14.94 | 15.41 | 15.07 |
| 1.4 | 16QAM | 1 | 3 | 15.07 | 15.15 | 15.19 |
| 1.4 | 16QAM | 1 | 5 | 15.13 | 15.29 | 15.09 |
| 1.4 | 16QAM | 3 | 0 | 14.95 | 14.99 | 14.90 |
| 1.4 | 16QAM | 3 | 1 | 14.96 | 14.99 | 15.01 |
| 1.4 | 16QAM | 3 | 3 | 14.95 | 15.07 | 14.96 |



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| | | | | | | |
|-----|-------|---|---|-------|-------|-------|
| 1.4 | 16QAM | 6 | 0 | 14.12 | 13.93 | 14.06 |
| 1.4 | 64QAM | 1 | 0 | 14.88 | 14.82 | 14.96 |
| 1.4 | 64QAM | 1 | 3 | 15.14 | 15.12 | 15.24 |
| 1.4 | 64QAM | 1 | 5 | 15.05 | 15.01 | 14.85 |
| 1.4 | 64QAM | 3 | 0 | 14.96 | 14.94 | 15.13 |
| 1.4 | 64QAM | 3 | 1 | 14.87 | 15.02 | 14.99 |
| 1.4 | 64QAM | 3 | 3 | 14.93 | 15.10 | 14.98 |
| 1.4 | 64QAM | 6 | 0 | 13.92 | 13.93 | 14.00 |

| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20450 | 20525 | 20600 |
| Frequency (MHz) | | | | 829 | 836.5 | 844 |
| 10 | QPSK | 1 | 0 | 22.22 | 22.23 | 22.04 |
| 10 | QPSK | 1 | 25 | 22.08 | 22.11 | 21.91 |
| 10 | QPSK | 1 | 49 | 22.00 | 22.12 | 21.80 |
| 10 | QPSK | 25 | 0 | 21.31 | 21.33 | 21.14 |
| 10 | QPSK | 25 | 12 | 21.28 | 21.30 | 21.05 |
| 10 | QPSK | 25 | 25 | 21.28 | 21.19 | 21.02 |
| 10 | QPSK | 50 | 0 | 21.21 | 21.22 | 20.99 |
| 10 | 16QAM | 1 | 0 | 21.38 | 21.57 | 21.28 |
| 10 | 16QAM | 1 | 25 | 21.61 | 21.64 | 21.32 |
| 10 | 16QAM | 1 | 49 | 21.23 | 21.29 | 21.36 |
| 10 | 16QAM | 25 | 0 | 20.32 | 20.33 | 20.15 |
| 10 | 16QAM | 25 | 12 | 20.26 | 20.34 | 19.96 |
| 10 | 16QAM | 25 | 25 | 20.29 | 20.22 | 19.95 |
| 10 | 16QAM | 50 | 0 | 20.30 | 20.21 | 20.11 |
| 10 | 64QAM | 1 | 0 | 21.39 | 21.84 | 21.42 |
| 10 | 64QAM | 1 | 25 | 21.40 | 21.41 | 21.44 |
| 10 | 64QAM | 1 | 49 | 21.41 | 21.45 | 21.49 |
| 10 | 64QAM | 25 | 0 | 20.23 | 20.34 | 20.01 |
| 10 | 64QAM | 25 | 12 | 20.22 | 20.39 | 20.10 |
| 10 | 64QAM | 25 | 25 | 20.34 | 20.23 | 19.93 |
| 10 | 64QAM | 50 | 0 | 20.30 | 20.26 | 20.12 |

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| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20425 | 20525 | 20625 |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 |
| 5 | QPSK | 1 | 0 | 21.99 | 22.04 | 21.81 |
| 5 | QPSK | 1 | 12 | 22.07 | 22.18 | 21.68 |
| 5 | QPSK | 1 | 24 | 22.07 | 22.02 | 21.74 |
| 5 | QPSK | 12 | 0 | 21.22 | 21.27 | 20.95 |
| 5 | QPSK | 12 | 7 | 21.29 | 21.30 | 21.03 |
| 5 | QPSK | 12 | 13 | 21.34 | 21.18 | 20.91 |
| 5 | QPSK | 25 | 0 | 21.25 | 21.21 | 20.97 |
| 5 | 16QAM | 1 | 0 | 21.54 | 21.47 | 21.23 |
| 5 | 16QAM | 1 | 12 | 21.24 | 21.46 | 21.22 |
| 5 | 16QAM | 1 | 24 | 21.11 | 21.46 | 21.29 |
| 5 | 16QAM | 12 | 0 | 20.20 | 20.29 | 19.98 |
| 5 | 16QAM | 12 | 7 | 20.27 | 20.30 | 19.98 |
| 5 | 16QAM | 12 | 13 | 20.27 | 20.18 | 19.83 |
| 5 | 16QAM | 25 | 0 | 20.28 | 20.33 | 19.94 |
| 5 | 64QAM | 1 | 0 | 21.35 | 21.00 | 21.34 |
| 5 | 64QAM | 1 | 12 | 21.23 | 21.17 | 21.31 |
| 5 | 64QAM | 1 | 24 | 21.37 | 21.21 | 20.90 |
| 5 | 64QAM | 12 | 0 | 20.09 | 20.23 | 19.83 |
| 5 | 64QAM | 12 | 7 | 20.13 | 20.29 | 20.07 |
| 5 | 64QAM | 12 | 13 | 20.31 | 20.26 | 19.83 |
| 5 | 64QAM | 25 | 0 | 20.19 | 20.26 | 19.87 |

| LTE Band5 | | | | | | |
|-----------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |



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| Channel | | | | 20415 | 20525 | 20635 |
|-----------------|-------|----|----|-------|-------|-------|
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 |
| 3 | QPSK | 1 | 0 | 21.86 | 22.17 | 21.88 |
| 3 | QPSK | 1 | 8 | 22.25 | 22.13 | 21.93 |
| 3 | QPSK | 1 | 14 | 22.21 | 22.11 | 21.85 |
| 3 | QPSK | 8 | 0 | 21.15 | 21.28 | 20.90 |
| 3 | QPSK | 8 | 4 | 21.29 | 21.35 | 20.90 |
| 3 | QPSK | 8 | 7 | 21.24 | 21.26 | 20.93 |
| 3 | QPSK | 15 | 0 | 21.22 | 21.28 | 20.87 |
| 3 | 16QAM | 1 | 0 | 21.24 | 21.62 | 21.42 |
| 3 | 16QAM | 1 | 8 | 21.67 | 21.43 | 21.27 |
| 3 | 16QAM | 1 | 14 | 21.61 | 21.48 | 21.23 |
| 3 | 16QAM | 8 | 0 | 20.18 | 20.27 | 20.01 |
| 3 | 16QAM | 8 | 4 | 20.34 | 20.45 | 20.02 |
| 3 | 16QAM | 8 | 7 | 20.26 | 20.32 | 20.06 |
| 3 | 16QAM | 15 | 0 | 20.20 | 20.22 | 19.77 |
| 3 | 64QAM | 1 | 0 | 21.15 | 21.03 | 21.24 |
| 3 | 64QAM | 1 | 8 | 21.03 | 21.27 | 20.78 |
| 3 | 64QAM | 1 | 14 | 21.05 | 21.23 | 20.91 |
| 3 | 64QAM | 8 | 0 | 20.15 | 20.25 | 19.91 |
| 3 | 64QAM | 8 | 4 | 20.37 | 20.21 | 19.84 |
| 3 | 64QAM | 8 | 7 | 20.32 | 20.24 | 19.88 |
| 3 | 64QAM | 15 | 0 | 20.21 | 20.31 | 19.78 |

| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20407 | 20525 | 20643 |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 |
| 1.4 | QPSK | 1 | 0 | 22.07 | 22.14 | 21.65 |
| 1.4 | QPSK | 1 | 3 | 22.20 | 22.21 | 21.77 |
| 1.4 | QPSK | 1 | 5 | 22.09 | 22.03 | 21.71 |
| 1.4 | QPSK | 3 | 0 | 22.10 | 22.16 | 21.69 |
| 1.4 | QPSK | 3 | 1 | 22.16 | 22.21 | 21.85 |
| 1.4 | QPSK | 3 | 3 | 22.17 | 22.19 | 21.76 |
| 1.4 | QPSK | 6 | 0 | 21.20 | 21.19 | 20.84 |

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| | | | | | | |
|-----|-------|---|---|-------|-------|-------|
| 1.4 | 16QAM | 1 | 0 | 21.50 | 21.14 | 20.97 |
| 1.4 | 16QAM | 1 | 3 | 21.71 | 21.37 | 20.92 |
| 1.4 | 16QAM | 1 | 5 | 21.52 | 21.20 | 20.92 |
| 1.4 | 16QAM | 3 | 0 | 21.05 | 21.03 | 20.83 |
| 1.4 | 16QAM | 3 | 1 | 21.08 | 21.35 | 20.87 |
| 1.4 | 16QAM | 3 | 3 | 21.16 | 21.27 | 20.81 |
| 1.4 | 16QAM | 6 | 0 | 20.38 | 20.33 | 19.86 |
| 1.4 | 64QAM | 1 | 0 | 21.01 | 21.18 | 20.86 |
| 1.4 | 64QAM | 1 | 3 | 21.32 | 21.33 | 20.94 |
| 1.4 | 64QAM | 1 | 5 | 21.27 | 21.26 | 20.80 |
| 1.4 | 64QAM | 3 | 0 | 20.93 | 21.20 | 20.87 |
| 1.4 | 64QAM | 3 | 1 | 21.21 | 21.15 | 20.82 |
| 1.4 | 64QAM | 3 | 3 | 21.11 | 21.28 | 20.98 |
| 1.4 | 64QAM | 6 | 0 | 20.19 | 20.31 | 19.86 |

| LTE Band7 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20850 | 21100 | 21350 |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 |
| 20 | QPSK | 1 | 0 | 19.29 | 19.33 | 19.36 |
| 20 | QPSK | 1 | 49 | 19.14 | 19.42 | 19.31 |
| 20 | QPSK | 1 | 99 | 19.33 | 19.28 | 19.33 |
| 20 | QPSK | 50 | 0 | 18.72 | 18.73 | 18.71 |
| 20 | QPSK | 50 | 24 | 18.58 | 18.55 | 18.45 |
| 20 | QPSK | 50 | 50 | 18.68 | 18.70 | 18.68 |
| 20 | QPSK | 100 | 0 | 18.63 | 18.65 | 18.62 |
| 20 | 16QAM | 1 | 0 | 18.24 | 18.34 | 18.52 |
| 20 | 16QAM | 1 | 49 | 18.39 | 18.25 | 18.53 |
| 20 | 16QAM | 1 | 99 | 18.37 | 18.27 | 18.44 |
| 20 | 16QAM | 50 | 0 | 17.43 | 17.53 | 17.46 |
| 20 | 16QAM | 50 | 24 | 17.48 | 17.40 | 17.51 |
| 20 | 16QAM | 50 | 50 | 17.56 | 17.61 | 17.44 |
| 20 | 16QAM | 100 | 0 | 17.44 | 17.56 | 17.54 |
| 20 | 64QAM | 1 | 0 | 18.54 | 18.89 | 18.11 |

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| | | | | | | |
|----|-------|-----|----|-------|-------|-------|
| 20 | 64QAM | 1 | 49 | 18.48 | 18.45 | 18.50 |
| 20 | 64QAM | 1 | 99 | 18.46 | 18.51 | 18.42 |
| 20 | 64QAM | 50 | 0 | 17.45 | 17.46 | 17.51 |
| 20 | 64QAM | 50 | 24 | 17.50 | 17.51 | 17.51 |
| 20 | 64QAM | 50 | 50 | 17.54 | 17.61 | 17.46 |
| 20 | 64QAM | 100 | 0 | 17.47 | 17.44 | 17.56 |

| LTE Band7 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20825 | 21100 | 21375 |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 |
| 15 | QPSK | 1 | 0 | 19.26 | 19.35 | 19.35 |
| 15 | QPSK | 1 | 37 | 19.36 | 19.33 | 19.37 |
| 15 | QPSK | 1 | 74 | 19.30 | 19.37 | 19.37 |
| 15 | QPSK | 36 | 0 | 18.61 | 18.70 | 18.72 |
| 15 | QPSK | 36 | 20 | 18.69 | 18.76 | 18.71 |
| 15 | QPSK | 36 | 39 | 18.72 | 18.75 | 18.79 |
| 15 | QPSK | 75 | 0 | 18.78 | 18.71 | 18.73 |
| 15 | 16QAM | 1 | 0 | 18.74 | 18.85 | 18.92 |
| 15 | 16QAM | 1 | 37 | 18.56 | 18.67 | 18.65 |
| 15 | 16QAM | 1 | 74 | 18.60 | 18.60 | 18.82 |
| 15 | 16QAM | 36 | 0 | 17.44 | 17.55 | 17.57 |
| 15 | 16QAM | 36 | 20 | 17.51 | 17.54 | 17.53 |
| 15 | 16QAM | 36 | 39 | 17.57 | 17.55 | 17.44 |
| 15 | 16QAM | 75 | 0 | 17.52 | 17.60 | 17.52 |
| 15 | 64QAM | 1 | 0 | 18.44 | 18.90 | 18.29 |
| 15 | 64QAM | 1 | 37 | 18.34 | 18.49 | 18.58 |
| 15 | 64QAM | 1 | 74 | 18.33 | 18.45 | 18.51 |
| 15 | 64QAM | 36 | 0 | 17.43 | 17.51 | 17.50 |
| 15 | 64QAM | 36 | 20 | 17.54 | 17.53 | 17.60 |
| 15 | 64QAM | 36 | 39 | 17.58 | 17.49 | 17.51 |
| 15 | 64QAM | 75 | 0 | 17.43 | 17.53 | 17.48 |

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**LTE Band7**

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 20800 | 21100 | 21400 |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 |
| 10 | QPSK | 1 | 0 | 19.25 | 19.12 | 19.15 |
| 10 | QPSK | 1 | 25 | 19.28 | 19.18 | 19.20 |
| 10 | QPSK | 1 | 49 | 19.21 | 19.18 | 19.20 |
| 10 | QPSK | 25 | 0 | 18.53 | 18.53 | 18.52 |
| 10 | QPSK | 25 | 12 | 18.49 | 18.61 | 18.66 |
| 10 | QPSK | 25 | 25 | 18.42 | 18.60 | 18.60 |
| 10 | QPSK | 50 | 0 | 18.51 | 18.63 | 18.62 |
| 10 | 16QAM | 1 | 0 | 18.36 | 18.54 | 18.39 |
| 10 | 16QAM | 1 | 25 | 18.35 | 18.37 | 18.42 |
| 10 | 16QAM | 1 | 49 | 18.82 | 18.72 | 18.63 |
| 10 | 16QAM | 25 | 0 | 17.31 | 17.38 | 17.46 |
| 10 | 16QAM | 25 | 12 | 17.32 | 17.49 | 17.42 |
| 10 | 16QAM | 25 | 25 | 17.37 | 17.40 | 17.32 |
| 10 | 16QAM | 50 | 0 | 17.40 | 17.49 | 17.34 |
| 10 | 64QAM | 1 | 0 | 18.44 | 18.40 | 18.38 |
| 10 | 64QAM | 1 | 25 | 18.13 | 18.38 | 18.21 |
| 10 | 64QAM | 1 | 49 | 18.24 | 18.48 | 18.29 |
| 10 | 64QAM | 25 | 0 | 17.35 | 17.33 | 17.37 |
| 10 | 64QAM | 25 | 12 | 17.37 | 17.48 | 17.41 |
| 10 | 64QAM | 25 | 25 | 17.30 | 17.20 | 17.19 |
| 10 | 64QAM | 50 | 0 | 17.40 | 17.46 | 17.38 |

LTE Band7

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 20775 | 21100 | 21425 |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 |
| 5 | QPSK | 1 | 0 | 19.08 | 19.13 | 19.26 |
| 5 | QPSK | 1 | 12 | 19.17 | 19.25 | 19.33 |



| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 5 | QPSK | 1 | 24 | 19.26 | 19.32 | 19.36 |
| 5 | QPSK | 12 | 0 | 18.49 | 18.57 | 18.49 |
| 5 | QPSK | 12 | 7 | 18.56 | 18.71 | 18.63 |
| 5 | QPSK | 12 | 13 | 18.58 | 18.74 | 18.59 |
| 5 | QPSK | 25 | 0 | 18.59 | 18.60 | 18.55 |
| 5 | 16QAM | 1 | 0 | 18.37 | 18.35 | 18.41 |
| 5 | 16QAM | 1 | 12 | 18.42 | 18.64 | 18.54 |
| 5 | 16QAM | 1 | 24 | 18.48 | 18.67 | 18.49 |
| 5 | 16QAM | 12 | 0 | 17.34 | 17.28 | 17.41 |
| 5 | 16QAM | 12 | 7 | 17.43 | 17.55 | 17.51 |
| 5 | 16QAM | 12 | 13 | 17.53 | 17.59 | 17.42 |
| 5 | 16QAM | 25 | 0 | 17.40 | 17.45 | 17.46 |
| 5 | 64QAM | 1 | 0 | 18.36 | 18.41 | 18.37 |
| 5 | 64QAM | 1 | 12 | 18.41 | 18.53 | 18.41 |
| 5 | 64QAM | 1 | 24 | 18.45 | 18.55 | 18.51 |
| 5 | 64QAM | 12 | 0 | 17.41 | 17.38 | 17.43 |
| 5 | 64QAM | 12 | 7 | 17.50 | 17.55 | 17.34 |
| 5 | 64QAM | 12 | 13 | 17.45 | 17.54 | 17.40 |
| 5 | 64QAM | 25 | 0 | 17.40 | 17.39 | 17.44 |

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23060 | 23095 | 23130 |
| Frequency (MHz) | | | | 704 | 707.5 | 711 |
| 10 | QPSK | 1 | 0 | 21.91 | 21.92 | 21.79 |
| 10 | QPSK | 1 | 25 | 21.69 | 21.90 | 21.75 |
| 10 | QPSK | 1 | 49 | 21.69 | 21.88 | 22.07 |
| 10 | QPSK | 25 | 0 | 20.94 | 21.04 | 20.95 |
| 10 | QPSK | 25 | 12 | 21.03 | 20.98 | 21.04 |
| 10 | QPSK | 25 | 25 | 20.96 | 21.02 | 20.95 |
| 10 | QPSK | 50 | 0 | 20.97 | 20.99 | 20.90 |
| 10 | 16QAM | 1 | 0 | 21.34 | 20.89 | 20.95 |
| 10 | 16QAM | 1 | 25 | 21.49 | 21.04 | 21.36 |
| 10 | 16QAM | 1 | 49 | 21.18 | 21.23 | 21.12 |
| 10 | 16QAM | 25 | 0 | 19.96 | 19.98 | 19.92 |



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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 25 | 12 | 20.00 | 20.04 | 19.93 |
| 10 | 16QAM | 25 | 25 | 20.05 | 20.06 | 20.00 |
| 10 | 16QAM | 50 | 0 | 19.95 | 20.03 | 20.08 |
| 10 | 64QAM | 1 | 0 | 20.88 | 21.00 | 21.34 |
| 10 | 64QAM | 1 | 25 | 21.32 | 21.38 | 20.97 |
| 10 | 64QAM | 1 | 49 | 21.34 | 21.02 | 20.95 |
| 10 | 64QAM | 25 | 0 | 19.96 | 19.90 | 19.87 |
| 10 | 64QAM | 25 | 12 | 20.01 | 20.04 | 19.96 |
| 10 | 64QAM | 25 | 25 | 20.06 | 20.03 | 20.03 |
| 10 | 64QAM | 50 | 0 | 19.98 | 19.91 | 20.02 |

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 23035 | | 23095 | 23155 |
| Frequency (MHz) | | | 701.5 | | 707.5 | 713.5 |
| 5 | QPSK | 1 | 0 | 21.66 | 21.82 | 21.77 |
| 5 | QPSK | 1 | 12 | 21.82 | 21.98 | 21.82 |
| 5 | QPSK | 1 | 24 | 21.78 | 21.97 | 21.83 |
| 5 | QPSK | 12 | 0 | 20.89 | 20.96 | 20.95 |
| 5 | QPSK | 12 | 7 | 21.00 | 21.02 | 20.99 |
| 5 | QPSK | 12 | 13 | 20.95 | 20.98 | 20.95 |
| 5 | QPSK | 25 | 0 | 20.91 | 21.03 | 20.99 |
| 5 | 16QAM | 1 | 0 | 20.92 | 20.94 | 20.96 |
| 5 | 16QAM | 1 | 12 | 21.09 | 21.04 | 21.05 |
| 5 | 16QAM | 1 | 24 | 21.05 | 21.03 | 20.99 |
| 5 | 16QAM | 12 | 0 | 19.90 | 19.87 | 19.90 |
| 5 | 16QAM | 12 | 7 | 20.04 | 20.09 | 19.93 |
| 5 | 16QAM | 12 | 13 | 19.99 | 19.96 | 20.01 |
| 5 | 16QAM | 25 | 0 | 20.00 | 19.96 | 19.98 |
| 5 | 64QAM | 1 | 0 | 20.86 | 20.87 | 20.92 |
| 5 | 64QAM | 1 | 12 | 21.31 | 21.01 | 20.94 |
| 5 | 64QAM | 1 | 24 | 21.29 | 20.98 | 21.03 |
| 5 | 64QAM | 12 | 0 | 19.94 | 19.96 | 19.91 |
| 5 | 64QAM | 12 | 7 | 20.04 | 19.92 | 19.98 |
| 5 | 64QAM | 12 | 13 | 19.91 | 20.01 | 20.06 |

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| | | | | | | |
|---|-------|----|---|-------|-------|-------|
| 5 | 64QAM | 25 | 0 | 20.06 | 20.02 | 19.99 |
|---|-------|----|---|-------|-------|-------|

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23025 | 23095 | 23165 |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 |
| 3 | QPSK | 1 | 0 | 21.74 | 21.83 | 21.68 |
| 3 | QPSK | 1 | 8 | 21.92 | 21.91 | 22.01 |
| 3 | QPSK | 1 | 14 | 21.86 | 21.97 | 21.92 |
| 3 | QPSK | 8 | 0 | 20.97 | 20.95 | 20.95 |
| 3 | QPSK | 8 | 4 | 21.00 | 21.03 | 21.04 |
| 3 | QPSK | 8 | 7 | 20.95 | 21.03 | 20.97 |
| 3 | QPSK | 15 | 0 | 20.94 | 21.02 | 20.88 |
| 3 | 16QAM | 1 | 0 | 20.95 | 21.31 | 20.90 |
| 3 | 16QAM | 1 | 8 | 21.15 | 21.13 | 21.08 |
| 3 | 16QAM | 1 | 14 | 20.98 | 21.03 | 21.50 |
| 3 | 16QAM | 8 | 0 | 20.06 | 19.95 | 19.98 |
| 3 | 16QAM | 8 | 4 | 20.11 | 20.08 | 20.19 |
| 3 | 16QAM | 8 | 7 | 19.95 | 19.98 | 20.04 |
| 3 | 16QAM | 15 | 0 | 19.93 | 19.86 | 19.85 |
| 3 | 64QAM | 1 | 0 | 20.87 | 21.21 | 21.20 |
| 3 | 64QAM | 1 | 8 | 21.44 | 21.44 | 21.35 |
| 3 | 64QAM | 1 | 14 | 21.28 | 20.94 | 21.38 |
| 3 | 64QAM | 8 | 0 | 19.87 | 19.95 | 19.86 |
| 3 | 64QAM | 8 | 4 | 19.96 | 20.00 | 19.99 |
| 3 | 64QAM | 8 | 7 | 19.95 | 19.87 | 20.02 |
| 3 | 64QAM | 15 | 0 | 19.94 | 19.96 | 19.88 |

| LTE Band 12 | | | | | | |
|-------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |

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| Channel | | | | 23017 | 23095 | 23173 |
|-----------------|-------|---|---|-------|-------|-------|
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 |
| 1.4 | QPSK | 1 | 0 | 21.77 | 21.81 | 21.74 |
| 1.4 | QPSK | 1 | 3 | 21.88 | 21.87 | 21.89 |
| 1.4 | QPSK | 1 | 5 | 21.77 | 21.82 | 21.78 |
| 1.4 | QPSK | 3 | 0 | 21.72 | 21.85 | 21.83 |
| 1.4 | QPSK | 3 | 1 | 21.93 | 21.93 | 21.94 |
| 1.4 | QPSK | 3 | 3 | 21.88 | 21.90 | 21.86 |
| 1.4 | QPSK | 6 | 0 | 20.94 | 20.91 | 20.89 |
| 1.4 | 16QAM | 1 | 0 | 20.98 | 20.92 | 20.61 |
| 1.4 | 16QAM | 1 | 3 | 20.79 | 21.22 | 21.33 |
| 1.4 | 16QAM | 1 | 5 | 20.91 | 20.92 | 20.91 |
| 1.4 | 16QAM | 3 | 0 | 20.75 | 20.78 | 20.79 |
| 1.4 | 16QAM | 3 | 1 | 20.91 | 20.99 | 20.83 |
| 1.4 | 16QAM | 3 | 3 | 20.74 | 20.88 | 20.88 |
| 1.4 | 16QAM | 6 | 0 | 19.90 | 19.91 | 19.93 |
| 1.4 | 64QAM | 1 | 0 | 20.71 | 20.86 | 20.70 |
| 1.4 | 64QAM | 1 | 3 | 20.83 | 21.34 | 20.81 |
| 1.4 | 64QAM | 1 | 5 | 20.99 | 21.02 | 20.98 |
| 1.4 | 64QAM | 3 | 0 | 20.89 | 20.90 | 20.73 |
| 1.4 | 64QAM | 3 | 1 | 20.87 | 21.11 | 20.96 |
| 1.4 | 64QAM | 3 | 3 | 20.89 | 20.73 | 20.89 |
| 1.4 | 64QAM | 6 | 0 | 19.96 | 19.97 | 19.84 |

| LTE Band 17 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23780 | 23790 | 23800 |
| Frequency (MHz) | | | | 709 | 710 | 711 |
| 10 | QPSK | 1 | 0 | 21.72 | 21.80 | 21.66 |
| 10 | QPSK | 1 | 25 | 21.92 | 21.78 | 21.91 |
| 10 | QPSK | 1 | 49 | 21.75 | 21.68 | 21.84 |
| 10 | QPSK | 25 | 0 | 20.75 | 20.70 | 20.71 |
| 10 | QPSK | 25 | 12 | 20.95 | 20.89 | 20.87 |
| 10 | QPSK | 25 | 25 | 20.73 | 20.67 | 20.68 |
| 10 | QPSK | 50 | 0 | 20.71 | 20.66 | 20.79 |

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|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 1 | 0 | 21.37 | 21.09 | 21.08 |
| 10 | 16QAM | 1 | 25 | 21.00 | 21.06 | 20.98 |
| 10 | 16QAM | 1 | 49 | 20.89 | 20.64 | 20.70 |
| 10 | 16QAM | 25 | 0 | 19.69 | 19.67 | 19.67 |
| 10 | 16QAM | 25 | 12 | 19.83 | 19.89 | 19.93 |
| 10 | 16QAM | 25 | 25 | 19.68 | 19.71 | 19.80 |
| 10 | 16QAM | 50 | 0 | 19.60 | 19.61 | 19.69 |
| 10 | 64QAM | 1 | 0 | 21.30 | 20.96 | 20.99 |
| 10 | 64QAM | 1 | 25 | 21.04 | 21.02 | 20.71 |
| 10 | 64QAM | 1 | 49 | 20.98 | 20.98 | 20.99 |
| 10 | 64QAM | 25 | 0 | 19.62 | 19.62 | 19.70 |
| 10 | 64QAM | 25 | 12 | 19.95 | 19.86 | 19.94 |
| 10 | 64QAM | 25 | 25 | 19.67 | 19.52 | 19.56 |
| 10 | 64QAM | 50 | 0 | 19.62 | 19.74 | 19.68 |

| LTE Band 17 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23035 | 23790 | 23155 |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 |
| 5 | QPSK | 1 | 0 | 21.42 | 21.59 | 21.61 |
| 5 | QPSK | 1 | 12 | 21.86 | 21.90 | 21.90 |
| 5 | QPSK | 1 | 24 | 21.74 | 21.68 | 21.70 |
| 5 | QPSK | 12 | 0 | 20.85 | 20.82 | 20.86 |
| 5 | QPSK | 12 | 7 | 20.96 | 21.00 | 21.01 |
| 5 | QPSK | 12 | 13 | 20.93 | 20.95 | 20.92 |
| 5 | QPSK | 25 | 0 | 20.94 | 20.83 | 20.87 |
| 5 | 16QAM | 1 | 0 | 20.85 | 20.52 | 20.98 |
| 5 | 16QAM | 1 | 12 | 21.43 | 20.82 | 21.24 |
| 5 | 16QAM | 1 | 24 | 21.23 | 20.56 | 21.05 |
| 5 | 16QAM | 12 | 0 | 19.81 | 19.86 | 19.84 |
| 5 | 16QAM | 12 | 7 | 19.96 | 19.86 | 19.98 |
| 5 | 16QAM | 12 | 13 | 19.92 | 19.91 | 19.91 |
| 5 | 16QAM | 25 | 0 | 19.93 | 19.87 | 19.91 |
| 5 | 64QAM | 1 | 0 | 20.52 | 20.69 | 20.77 |
| 5 | 64QAM | 1 | 12 | 21.31 | 20.96 | 20.93 |

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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 5 | 64QAM | 1 | 24 | 21.18 | 20.71 | 20.78 |
| 5 | 64QAM | 12 | 0 | 19.70 | 19.85 | 19.86 |
| 5 | 64QAM | 12 | 7 | 19.95 | 19.88 | 20.02 |
| 5 | 64QAM | 12 | 13 | 19.93 | 19.95 | 19.73 |
| 5 | 64QAM | 25 | 0 | 19.89 | 19.93 | 19.94 |

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**Bottom Antenna**

| LTE Band2 | | | | | | |
|------------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18700 | 18900 | 19100 |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 |
| 20 | QPSK | 1 | 0 | 19.54 | 19.56 | 19.57 |
| 20 | QPSK | 1 | 49 | 19.49 | 19.52 | 19.63 |
| 20 | QPSK | 1 | 99 | 19.60 | 19.76 | 19.80 |
| 20 | QPSK | 50 | 0 | 18.71 | 18.73 | 18.73 |
| 20 | QPSK | 50 | 24 | 18.72 | 18.77 | 18.77 |
| 20 | QPSK | 50 | 50 | 18.77 | 18.88 | 18.89 |
| 20 | QPSK | 100 | 0 | 18.70 | 18.79 | 18.75 |
| 20 | 16QAM | 1 | 0 | 18.76 | 18.76 | 18.78 |
| 20 | 16QAM | 1 | 49 | 19.11 | 18.90 | 18.86 |
| 20 | 16QAM | 1 | 99 | 18.85 | 19.01 | 19.10 |
| 20 | 16QAM | 50 | 0 | 18.78 | 18.75 | 18.73 |
| 20 | 16QAM | 50 | 24 | 18.74 | 18.79 | 18.80 |
| 20 | 16QAM | 50 | 50 | 18.82 | 18.79 | 18.86 |
| 20 | 16QAM | 100 | 0 | 18.85 | 18.86 | 18.73 |
| 20 | 64QAM | 1 | 0 | 18.72 | 18.91 | 18.65 |
| 20 | 64QAM | 1 | 49 | 18.67 | 18.85 | 18.76 |
| 20 | 64QAM | 1 | 99 | 19.11 | 18.95 | 18.95 |
| 20 | 64QAM | 50 | 0 | 17.80 | 17.72 | 17.77 |
| 20 | 64QAM | 50 | 24 | 17.83 | 17.77 | 17.82 |
| 20 | 64QAM | 50 | 50 | 17.82 | 17.83 | 17.77 |
| 20 | 64QAM | 100 | 0 | 17.82 | 17.79 | 17.80 |

| LTE Band2 | | | | | | |
|------------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18675 | 18900 | 19125 |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | QPSK | 1 | 0 | 19.57 | 19.60 | 19.51 |
| 15 | QPSK | 1 | 37 | 19.36 | 19.72 | 19.60 |



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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 15 | QPSK | 1 | 74 | 19.73 | 19.65 | 19.73 |
| 15 | QPSK | 36 | 0 | 18.69 | 18.78 | 18.77 |
| 15 | QPSK | 36 | 20 | 18.68 | 18.87 | 18.84 |
| 15 | QPSK | 36 | 39 | 18.80 | 18.81 | 18.78 |
| 15 | QPSK | 75 | 0 | 18.72 | 18.78 | 18.74 |
| 15 | 16QAM | 1 | 0 | 18.81 | 18.89 | 18.83 |
| 15 | 16QAM | 1 | 37 | 18.94 | 18.97 | 18.83 |
| 15 | 16QAM | 1 | 74 | 18.89 | 19.01 | 19.01 |
| 15 | 16QAM | 36 | 0 | 18.68 | 18.73 | 18.76 |
| 15 | 16QAM | 36 | 20 | 18.77 | 18.70 | 18.83 |
| 15 | 16QAM | 36 | 39 | 18.82 | 18.91 | 18.88 |
| 15 | 16QAM | 75 | 0 | 18.69 | 18.71 | 18.80 |
| 15 | 64QAM | 1 | 0 | 18.89 | 18.65 | 18.71 |
| 15 | 64QAM | 1 | 37 | 18.88 | 18.69 | 19.11 |
| 15 | 64QAM | 1 | 74 | 18.77 | 18.81 | 18.96 |
| 15 | 64QAM | 36 | 0 | 17.62 | 17.79 | 17.67 |
| 15 | 64QAM | 36 | 20 | 17.82 | 17.84 | 17.74 |
| 15 | 64QAM | 36 | 39 | 17.70 | 17.75 | 17.84 |
| 15 | 64QAM | 75 | 0 | 17.69 | 17.76 | 17.75 |

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18650 | 18900 | 19150 |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 |
| 10 | QPSK | 1 | 0 | 19.42 | 19.41 | 19.51 |
| 10 | QPSK | 1 | 25 | 19.53 | 19.63 | 19.51 |
| 10 | QPSK | 1 | 49 | 19.42 | 19.50 | 19.42 |
| 10 | QPSK | 25 | 0 | 18.68 | 18.69 | 18.65 |
| 10 | QPSK | 25 | 12 | 18.64 | 18.76 | 18.69 |
| 10 | QPSK | 25 | 25 | 18.55 | 18.68 | 18.64 |
| 10 | QPSK | 50 | 0 | 18.61 | 18.70 | 18.68 |
| 10 | 16QAM | 1 | 0 | 19.09 | 19.02 | 19.01 |
| 10 | 16QAM | 1 | 25 | 18.78 | 18.74 | 18.81 |
| 10 | 16QAM | 1 | 49 | 18.73 | 18.81 | 19.02 |
| 10 | 16QAM | 25 | 0 | 17.57 | 17.61 | 17.67 |

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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 25 | 12 | 17.75 | 17.71 | 17.70 |
| 10 | 16QAM | 25 | 25 | 17.70 | 17.66 | 17.65 |
| 10 | 16QAM | 50 | 0 | 17.66 | 17.59 | 17.63 |
| 10 | 64QAM | 1 | 0 | 18.67 | 18.72 | 18.72 |
| 10 | 64QAM | 1 | 25 | 18.70 | 18.75 | 18.79 |
| 10 | 64QAM | 1 | 49 | 18.37 | 18.50 | 18.47 |
| 10 | 64QAM | 25 | 0 | 17.67 | 17.71 | 17.72 |
| 10 | 64QAM | 25 | 12 | 17.70 | 17.68 | 17.69 |
| 10 | 64QAM | 25 | 25 | 17.63 | 17.41 | 17.63 |
| 10 | 64QAM | 50 | 0 | 17.64 | 17.64 | 17.61 |

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18625 | 18900 | 19175 |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | QPSK | 1 | 0 | 19.56 | 19.61 | 19.55 |
| 5 | QPSK | 1 | 12 | 19.55 | 19.66 | 19.53 |
| 5 | QPSK | 1 | 24 | 19.51 | 19.67 | 19.60 |
| 5 | QPSK | 12 | 0 | 18.67 | 18.58 | 18.65 |
| 5 | QPSK | 12 | 7 | 18.68 | 18.73 | 18.65 |
| 5 | QPSK | 12 | 13 | 18.67 | 18.66 | 18.69 |
| 5 | QPSK | 25 | 0 | 18.66 | 18.64 | 18.66 |
| 5 | 16QAM | 1 | 0 | 18.79 | 18.69 | 19.07 |
| 5 | 16QAM | 1 | 12 | 18.77 | 18.70 | 19.07 |
| 5 | 16QAM | 1 | 24 | 18.80 | 18.67 | 19.06 |
| 5 | 16QAM | 12 | 0 | 17.65 | 17.53 | 17.63 |
| 5 | 16QAM | 12 | 7 | 17.72 | 17.74 | 17.68 |
| 5 | 16QAM | 12 | 13 | 17.75 | 17.64 | 17.59 |
| 5 | 16QAM | 25 | 0 | 17.67 | 17.65 | 17.63 |
| 5 | 64QAM | 1 | 0 | 19.06 | 18.61 | 18.66 |
| 5 | 64QAM | 1 | 12 | 19.05 | 18.71 | 18.82 |
| 5 | 64QAM | 1 | 24 | 19.06 | 18.70 | 18.72 |
| 5 | 64QAM | 12 | 0 | 17.71 | 17.64 | 17.63 |
| 5 | 64QAM | 12 | 7 | 17.77 | 17.61 | 17.61 |
| 5 | 64QAM | 12 | 13 | 17.74 | 17.70 | 17.68 |

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| | | | | | | |
|---|-------|----|---|-------|-------|-------|
| 5 | 64QAM | 25 | 0 | 17.81 | 17.61 | 17.68 |
|---|-------|----|---|-------|-------|-------|

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18615 | 18900 | 19185 |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 |
| 3 | QPSK | 1 | 0 | 19.61 | 19.39 | 19.51 |
| 3 | QPSK | 1 | 8 | 19.54 | 19.75 | 19.58 |
| 3 | QPSK | 1 | 14 | 19.73 | 19.60 | 19.60 |
| 3 | QPSK | 8 | 0 | 18.67 | 18.62 | 18.64 |
| 3 | QPSK | 8 | 4 | 18.73 | 18.67 | 18.68 |
| 3 | QPSK | 8 | 7 | 18.73 | 18.67 | 18.63 |
| 3 | QPSK | 15 | 0 | 18.65 | 18.73 | 18.66 |
| 3 | 16QAM | 1 | 0 | 18.81 | 18.72 | 18.66 |
| 3 | 16QAM | 1 | 8 | 18.85 | 18.79 | 18.75 |
| 3 | 16QAM | 1 | 14 | 18.78 | 18.75 | 19.10 |
| 3 | 16QAM | 8 | 0 | 17.71 | 17.84 | 17.76 |
| 3 | 16QAM | 8 | 4 | 17.78 | 17.75 | 17.81 |
| 3 | 16QAM | 8 | 7 | 17.68 | 17.73 | 17.76 |
| 3 | 16QAM | 15 | 0 | 17.71 | 17.75 | 17.70 |
| 3 | 64QAM | 1 | 0 | 18.74 | 18.67 | 18.70 |
| 3 | 64QAM | 1 | 8 | 19.16 | 19.15 | 18.75 |
| 3 | 64QAM | 1 | 14 | 18.77 | 19.13 | 18.77 |
| 3 | 64QAM | 8 | 0 | 17.69 | 17.71 | 17.55 |
| 3 | 64QAM | 8 | 4 | 17.79 | 17.69 | 17.69 |
| 3 | 64QAM | 8 | 7 | 17.89 | 17.78 | 17.64 |
| 3 | 64QAM | 15 | 0 | 17.74 | 17.74 | 17.72 |

| LTE Band2 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 18607 | 18900 | 19193 |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 |



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| | | | | | | |
|-----|-------|---|---|-------|-------|-------|
| 1.4 | QPSK | 1 | 0 | 19.48 | 19.50 | 19.46 |
| 1.4 | QPSK | 1 | 3 | 19.58 | 19.56 | 19.55 |
| 1.4 | QPSK | 1 | 5 | 19.55 | 19.53 | 19.51 |
| 1.4 | QPSK | 3 | 0 | 19.54 | 19.54 | 19.50 |
| 1.4 | QPSK | 3 | 1 | 19.58 | 19.55 | 19.53 |
| 1.4 | QPSK | 3 | 3 | 19.60 | 19.64 | 19.53 |
| 1.4 | QPSK | 6 | 0 | 18.63 | 18.61 | 18.60 |
| 1.4 | 16QAM | 1 | 0 | 18.66 | 18.66 | 18.60 |
| 1.4 | 16QAM | 1 | 3 | 18.62 | 18.82 | 18.80 |
| 1.4 | 16QAM | 1 | 5 | 18.50 | 18.70 | 18.38 |
| 1.4 | 16QAM | 3 | 0 | 18.52 | 18.57 | 18.54 |
| 1.4 | 16QAM | 3 | 1 | 18.70 | 18.52 | 18.57 |
| 1.4 | 16QAM | 3 | 3 | 18.72 | 18.69 | 18.43 |
| 1.4 | 16QAM | 6 | 0 | 17.77 | 17.66 | 17.58 |
| 1.4 | 64QAM | 1 | 0 | 18.61 | 18.53 | 18.56 |
| 1.4 | 64QAM | 1 | 3 | 18.63 | 18.84 | 18.72 |
| 1.4 | 64QAM | 1 | 5 | 18.61 | 18.96 | 18.55 |
| 1.4 | 64QAM | 3 | 0 | 18.64 | 18.70 | 18.71 |
| 1.4 | 64QAM | 3 | 1 | 18.73 | 18.70 | 18.44 |
| 1.4 | 64QAM | 3 | 3 | 18.65 | 18.79 | 18.56 |
| 1.4 | 64QAM | 6 | 0 | 17.65 | 17.66 | 17.55 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20050 | 20175 | 20300 |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 |
| 20 | QPSK | 1 | 0 | 20.66 | 20.64 | 20.78 |
| 20 | QPSK | 1 | 49 | 20.52 | 20.60 | 20.73 |
| 20 | QPSK | 1 | 99 | 20.44 | 20.57 | 20.69 |
| 20 | QPSK | 50 | 0 | 19.73 | 19.84 | 19.83 |
| 20 | QPSK | 50 | 24 | 19.73 | 19.81 | 19.81 |
| 20 | QPSK | 50 | 50 | 19.62 | 19.73 | 19.86 |
| 20 | QPSK | 100 | 0 | 19.72 | 19.76 | 19.83 |
| 20 | 16QAM | 1 | 0 | 19.91 | 19.99 | 19.88 |

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|----|-------|-----|----|-------|-------|-------|
| 20 | 16QAM | 1 | 49 | 20.06 | 19.83 | 19.97 |
| 20 | 16QAM | 1 | 99 | 19.85 | 20.07 | 19.83 |
| 20 | 16QAM | 50 | 0 | 18.78 | 18.83 | 18.93 |
| 20 | 16QAM | 50 | 24 | 18.74 | 18.85 | 18.74 |
| 20 | 16QAM | 50 | 50 | 18.70 | 18.71 | 18.71 |
| 20 | 16QAM | 100 | 0 | 18.72 | 18.80 | 18.81 |
| 20 | 64QAM | 1 | 0 | 19.70 | 19.81 | 20.03 |
| 20 | 64QAM | 1 | 49 | 19.74 | 19.67 | 19.55 |
| 20 | 64QAM | 1 | 99 | 20.01 | 19.58 | 20.05 |
| 20 | 64QAM | 50 | 0 | 18.71 | 18.80 | 18.75 |
| 20 | 64QAM | 50 | 24 | 18.73 | 18.84 | 18.78 |
| 20 | 64QAM | 50 | 50 | 18.77 | 18.72 | 18.74 |
| 20 | 64QAM | 100 | 0 | 18.80 | 18.78 | 18.87 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 20025 | | 20175 | 20325 |
| Frequency (MHz) | | | 1717.5 | | 1732.5 | 1747.5 |
| 15 | QPSK | 1 | 0 | 20.53 | 20.57 | 20.67 |
| 15 | QPSK | 1 | 37 | 20.57 | 20.66 | 20.58 |
| 15 | QPSK | 1 | 74 | 20.44 | 20.66 | 20.69 |
| 15 | QPSK | 36 | 0 | 19.67 | 19.74 | 19.77 |
| 15 | QPSK | 36 | 20 | 19.71 | 19.84 | 19.80 |
| 15 | QPSK | 36 | 39 | 19.76 | 19.75 | 19.84 |
| 15 | QPSK | 75 | 0 | 19.71 | 19.73 | 19.74 |
| 15 | 16QAM | 1 | 0 | 19.79 | 20.01 | 19.73 |
| 15 | 16QAM | 1 | 37 | 19.87 | 19.87 | 19.71 |
| 15 | 16QAM | 1 | 74 | 19.73 | 20.03 | 19.99 |
| 15 | 16QAM | 36 | 0 | 18.74 | 18.76 | 18.82 |
| 15 | 16QAM | 36 | 20 | 18.69 | 18.76 | 18.82 |
| 15 | 16QAM | 36 | 39 | 18.65 | 18.74 | 18.80 |
| 15 | 16QAM | 75 | 0 | 18.76 | 18.77 | 18.86 |
| 15 | 64QAM | 1 | 0 | 19.57 | 19.88 | 19.93 |
| 15 | 64QAM | 1 | 37 | 19.99 | 19.75 | 19.81 |
| 15 | 64QAM | 1 | 74 | 20.03 | 19.74 | 19.78 |

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|----|-------|----|----|-------|-------|-------|
| 15 | 64QAM | 36 | 0 | 18.68 | 18.75 | 18.79 |
| 15 | 64QAM | 36 | 20 | 18.74 | 18.76 | 18.78 |
| 15 | 64QAM | 36 | 39 | 18.77 | 18.73 | 18.75 |
| 15 | 64QAM | 75 | 0 | 18.70 | 18.81 | 18.74 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 20000 | | 20175 | 20350 |
| Frequency (MHz) | | | 1715 | | 1732.5 | 1750 |
| 10 | QPSK | 1 | 0 | 20.45 | 20.64 | 20.47 |
| 10 | QPSK | 1 | 25 | 20.43 | 20.56 | 20.57 |
| 10 | QPSK | 1 | 49 | 20.51 | 20.34 | 20.57 |
| 10 | QPSK | 25 | 0 | 19.50 | 19.72 | 19.74 |
| 10 | QPSK | 25 | 12 | 19.62 | 19.68 | 19.72 |
| 10 | QPSK | 25 | 25 | 19.51 | 19.62 | 19.69 |
| 10 | QPSK | 50 | 0 | 19.57 | 19.67 | 19.59 |
| 10 | 16QAM | 1 | 0 | 19.70 | 19.85 | 19.61 |
| 10 | 16QAM | 1 | 25 | 19.97 | 19.71 | 20.03 |
| 10 | 16QAM | 1 | 49 | 20.04 | 19.94 | 19.93 |
| 10 | 16QAM | 25 | 0 | 18.70 | 18.69 | 18.68 |
| 10 | 16QAM | 25 | 12 | 18.62 | 18.72 | 18.69 |
| 10 | 16QAM | 25 | 25 | 18.58 | 18.49 | 18.58 |
| 10 | 16QAM | 50 | 0 | 18.52 | 18.56 | 18.68 |
| 10 | 64QAM | 1 | 0 | 19.62 | 19.70 | 19.60 |
| 10 | 64QAM | 1 | 25 | 19.69 | 19.98 | 20.07 |
| 10 | 64QAM | 1 | 49 | 19.67 | 19.71 | 19.66 |
| 10 | 64QAM | 25 | 0 | 18.51 | 18.65 | 18.64 |
| 10 | 64QAM | 25 | 12 | 18.60 | 18.71 | 18.75 |
| 10 | 64QAM | 25 | 25 | 18.48 | 18.60 | 18.62 |
| 10 | 64QAM | 50 | 0 | 18.54 | 18.61 | 18.60 |

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| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 19975 | 20175 | 20375 |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 |
| 5 | QPSK | 1 | 0 | 20.35 | 20.57 | 20.62 |
| 5 | QPSK | 1 | 12 | 20.41 | 20.56 | 20.53 |
| 5 | QPSK | 1 | 24 | 20.36 | 20.48 | 20.47 |
| 5 | QPSK | 12 | 0 | 19.58 | 19.58 | 19.62 |
| 5 | QPSK | 12 | 7 | 19.58 | 19.69 | 19.66 |
| 5 | QPSK | 12 | 13 | 19.53 | 19.70 | 19.62 |
| 5 | QPSK | 25 | 0 | 19.56 | 19.60 | 19.66 |
| 5 | 16QAM | 1 | 0 | 19.60 | 20.01 | 19.69 |
| 5 | 16QAM | 1 | 12 | 19.71 | 20.06 | 19.65 |
| 5 | 16QAM | 1 | 24 | 19.65 | 20.00 | 19.60 |
| 5 | 16QAM | 12 | 0 | 18.64 | 18.58 | 18.61 |
| 5 | 16QAM | 12 | 7 | 18.67 | 18.71 | 18.69 |
| 5 | 16QAM | 12 | 13 | 18.56 | 18.63 | 18.67 |
| 5 | 16QAM | 25 | 0 | 18.57 | 18.68 | 18.61 |
| 5 | 64QAM | 1 | 0 | 19.58 | 20.02 | 20.00 |
| 5 | 64QAM | 1 | 12 | 19.96 | 19.72 | 19.99 |
| 5 | 64QAM | 1 | 24 | 19.92 | 19.62 | 19.69 |
| 5 | 64QAM | 12 | 0 | 18.59 | 18.66 | 18.68 |
| 5 | 64QAM | 12 | 7 | 18.58 | 18.67 | 18.73 |
| 5 | 64QAM | 12 | 13 | 18.59 | 18.65 | 18.64 |
| 5 | 64QAM | 25 | 0 | 18.54 | 18.68 | 18.59 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 19965 | 20175 | 20385 |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 |
| 3 | QPSK | 1 | 0 | 20.47 | 20.48 | 20.60 |
| 3 | QPSK | 1 | 8 | 20.56 | 20.70 | 20.64 |
| 3 | QPSK | 1 | 14 | 20.36 | 20.55 | 20.55 |
| 3 | QPSK | 8 | 0 | 19.56 | 19.62 | 19.63 |

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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 3 | QPSK | 8 | 4 | 19.62 | 19.70 | 19.72 |
| 3 | QPSK | 8 | 7 | 19.58 | 19.68 | 19.68 |
| 3 | QPSK | 15 | 0 | 19.58 | 19.64 | 19.58 |
| 3 | 16QAM | 1 | 0 | 19.80 | 19.89 | 19.93 |
| 3 | 16QAM | 1 | 8 | 20.02 | 20.02 | 19.76 |
| 3 | 16QAM | 1 | 14 | 19.93 | 19.71 | 19.79 |
| 3 | 16QAM | 8 | 0 | 18.60 | 18.73 | 18.60 |
| 3 | 16QAM | 8 | 4 | 18.72 | 18.82 | 18.79 |
| 3 | 16QAM | 8 | 7 | 18.66 | 18.74 | 18.78 |
| 3 | 16QAM | 15 | 0 | 18.66 | 18.64 | 18.71 |
| 3 | 64QAM | 1 | 0 | 19.57 | 19.66 | 19.64 |
| 3 | 64QAM | 1 | 8 | 19.76 | 19.64 | 19.80 |
| 3 | 64QAM | 1 | 14 | 19.57 | 19.64 | 19.47 |
| 3 | 64QAM | 8 | 0 | 18.55 | 18.59 | 18.53 |
| 3 | 64QAM | 8 | 4 | 18.67 | 18.65 | 18.69 |
| 3 | 64QAM | 8 | 7 | 18.61 | 18.68 | 18.80 |
| 3 | 64QAM | 15 | 0 | 18.57 | 18.65 | 18.56 |

| LTE Band4 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 19957 | 20175 | 20393 |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 |
| 1.4 | QPSK | 1 | 0 | 20.22 | 20.43 | 20.44 |
| 1.4 | QPSK | 1 | 3 | 20.56 | 20.56 | 20.60 |
| 1.4 | QPSK | 1 | 5 | 20.42 | 20.51 | 20.53 |
| 1.4 | QPSK | 3 | 0 | 20.50 | 20.47 | 20.46 |
| 1.4 | QPSK | 3 | 1 | 20.46 | 20.56 | 20.61 |
| 1.4 | QPSK | 3 | 3 | 20.45 | 20.52 | 20.51 |
| 1.4 | QPSK | 6 | 0 | 19.55 | 19.64 | 19.64 |
| 1.4 | 16QAM | 1 | 0 | 19.52 | 19.99 | 19.65 |
| 1.4 | 16QAM | 1 | 3 | 19.65 | 19.73 | 19.77 |
| 1.4 | 16QAM | 1 | 5 | 19.71 | 19.87 | 19.67 |
| 1.4 | 16QAM | 3 | 0 | 19.53 | 19.57 | 19.48 |
| 1.4 | 16QAM | 3 | 1 | 19.54 | 19.57 | 19.59 |
| 1.4 | 16QAM | 3 | 3 | 19.53 | 19.65 | 19.54 |



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| | | | | | | |
|-----|-------|---|---|-------|-------|-------|
| 1.4 | 16QAM | 6 | 0 | 18.70 | 18.51 | 18.64 |
| 1.4 | 64QAM | 1 | 0 | 19.46 | 19.40 | 19.54 |
| 1.4 | 64QAM | 1 | 3 | 19.72 | 19.70 | 19.82 |
| 1.4 | 64QAM | 1 | 5 | 19.63 | 19.59 | 19.43 |
| 1.4 | 64QAM | 3 | 0 | 19.54 | 19.52 | 19.71 |
| 1.4 | 64QAM | 3 | 1 | 19.45 | 19.60 | 19.57 |
| 1.4 | 64QAM | 3 | 3 | 19.51 | 19.68 | 19.56 |
| 1.4 | 64QAM | 6 | 0 | 18.50 | 18.51 | 18.58 |

| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20450 | 20525 | 20600 |
| Frequency (MHz) | | | | 829 | 836.5 | 844 |
| 10 | QPSK | 1 | 0 | 22.75 | 22.76 | 22.57 |
| 10 | QPSK | 1 | 25 | 22.61 | 22.64 | 22.44 |
| 10 | QPSK | 1 | 49 | 22.53 | 22.65 | 22.33 |
| 10 | QPSK | 25 | 0 | 21.84 | 21.86 | 21.67 |
| 10 | QPSK | 25 | 12 | 21.81 | 21.83 | 21.58 |
| 10 | QPSK | 25 | 25 | 21.81 | 21.72 | 21.55 |
| 10 | QPSK | 50 | 0 | 21.74 | 21.75 | 21.52 |
| 10 | 16QAM | 1 | 0 | 21.91 | 22.10 | 21.81 |
| 10 | 16QAM | 1 | 25 | 22.14 | 22.17 | 21.85 |
| 10 | 16QAM | 1 | 49 | 21.76 | 21.82 | 21.89 |
| 10 | 16QAM | 25 | 0 | 20.85 | 20.86 | 20.68 |
| 10 | 16QAM | 25 | 12 | 20.79 | 20.87 | 20.49 |
| 10 | 16QAM | 25 | 25 | 20.82 | 20.75 | 20.48 |
| 10 | 16QAM | 50 | 0 | 20.83 | 20.74 | 20.64 |
| 10 | 64QAM | 1 | 0 | 21.92 | 22.37 | 21.95 |
| 10 | 64QAM | 1 | 25 | 21.93 | 21.94 | 21.97 |
| 10 | 64QAM | 1 | 49 | 21.94 | 21.98 | 22.02 |
| 10 | 64QAM | 25 | 0 | 20.76 | 20.87 | 20.54 |
| 10 | 64QAM | 25 | 12 | 20.75 | 20.92 | 20.63 |
| 10 | 64QAM | 25 | 25 | 20.87 | 20.76 | 20.46 |
| 10 | 64QAM | 50 | 0 | 20.83 | 20.79 | 20.65 |

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| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20425 | 20525 | 20625 |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 |
| 5 | QPSK | 1 | 0 | 22.52 | 22.57 | 22.34 |
| 5 | QPSK | 1 | 12 | 22.60 | 22.71 | 22.21 |
| 5 | QPSK | 1 | 24 | 22.60 | 22.55 | 22.27 |
| 5 | QPSK | 12 | 0 | 21.75 | 21.80 | 21.48 |
| 5 | QPSK | 12 | 7 | 21.82 | 21.83 | 21.56 |
| 5 | QPSK | 12 | 13 | 21.87 | 21.71 | 21.44 |
| 5 | QPSK | 25 | 0 | 21.78 | 21.74 | 21.50 |
| 5 | 16QAM | 1 | 0 | 22.07 | 22.00 | 21.76 |
| 5 | 16QAM | 1 | 12 | 21.77 | 21.99 | 21.75 |
| 5 | 16QAM | 1 | 24 | 21.64 | 21.99 | 21.82 |
| 5 | 16QAM | 12 | 0 | 20.73 | 20.82 | 20.51 |
| 5 | 16QAM | 12 | 7 | 20.80 | 20.83 | 20.51 |
| 5 | 16QAM | 12 | 13 | 20.80 | 20.71 | 20.36 |
| 5 | 16QAM | 25 | 0 | 20.81 | 20.86 | 20.47 |
| 5 | 64QAM | 1 | 0 | 21.88 | 21.53 | 21.87 |
| 5 | 64QAM | 1 | 12 | 21.76 | 21.70 | 21.84 |
| 5 | 64QAM | 1 | 24 | 21.90 | 21.74 | 21.43 |
| 5 | 64QAM | 12 | 0 | 20.62 | 20.76 | 20.36 |
| 5 | 64QAM | 12 | 7 | 20.66 | 20.82 | 20.60 |
| 5 | 64QAM | 12 | 13 | 20.84 | 20.79 | 20.36 |
| 5 | 64QAM | 25 | 0 | 20.72 | 20.79 | 20.40 |

| LTE Band5 | | | | | | |
|-----------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |



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| Channel | | | | 20415 | 20525 | 20635 |
|-----------------|-------|----|----|-------|-------|-------|
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 |
| 3 | QPSK | 1 | 0 | 22.39 | 22.70 | 22.41 |
| 3 | QPSK | 1 | 8 | 22.78 | 22.66 | 22.46 |
| 3 | QPSK | 1 | 14 | 22.74 | 22.64 | 22.38 |
| 3 | QPSK | 8 | 0 | 21.68 | 21.81 | 21.43 |
| 3 | QPSK | 8 | 4 | 21.82 | 21.88 | 21.43 |
| 3 | QPSK | 8 | 7 | 21.77 | 21.79 | 21.46 |
| 3 | QPSK | 15 | 0 | 21.75 | 21.81 | 21.40 |
| 3 | 16QAM | 1 | 0 | 21.77 | 22.15 | 21.95 |
| 3 | 16QAM | 1 | 8 | 22.20 | 21.96 | 21.80 |
| 3 | 16QAM | 1 | 14 | 22.14 | 22.01 | 21.76 |
| 3 | 16QAM | 8 | 0 | 20.71 | 20.80 | 20.54 |
| 3 | 16QAM | 8 | 4 | 20.87 | 20.98 | 20.55 |
| 3 | 16QAM | 8 | 7 | 20.79 | 20.85 | 20.59 |
| 3 | 16QAM | 15 | 0 | 20.73 | 20.75 | 20.30 |
| 3 | 64QAM | 1 | 0 | 21.68 | 21.56 | 21.77 |
| 3 | 64QAM | 1 | 8 | 21.56 | 21.80 | 21.31 |
| 3 | 64QAM | 1 | 14 | 21.58 | 21.76 | 21.44 |
| 3 | 64QAM | 8 | 0 | 20.68 | 20.78 | 20.44 |
| 3 | 64QAM | 8 | 4 | 20.90 | 20.74 | 20.37 |
| 3 | 64QAM | 8 | 7 | 20.85 | 20.77 | 20.41 |
| 3 | 64QAM | 15 | 0 | 20.74 | 20.84 | 20.31 |

| LTE Band5 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20407 | 20525 | 20643 |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 |
| 1.4 | QPSK | 1 | 0 | 22.60 | 22.67 | 22.18 |
| 1.4 | QPSK | 1 | 3 | 22.73 | 22.74 | 22.30 |
| 1.4 | QPSK | 1 | 5 | 22.62 | 22.56 | 22.24 |
| 1.4 | QPSK | 3 | 0 | 22.63 | 22.69 | 22.22 |
| 1.4 | QPSK | 3 | 1 | 22.69 | 22.74 | 22.38 |
| 1.4 | QPSK | 3 | 3 | 22.70 | 22.72 | 22.29 |
| 1.4 | QPSK | 6 | 0 | 21.73 | 21.72 | 21.37 |

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| | | | | | | |
|-----|-------|---|---|-------|-------|-------|
| 1.4 | 16QAM | 1 | 0 | 22.03 | 21.67 | 21.50 |
| 1.4 | 16QAM | 1 | 3 | 22.24 | 21.90 | 21.45 |
| 1.4 | 16QAM | 1 | 5 | 22.05 | 21.73 | 21.45 |
| 1.4 | 16QAM | 3 | 0 | 21.58 | 21.56 | 21.36 |
| 1.4 | 16QAM | 3 | 1 | 21.61 | 21.88 | 21.40 |
| 1.4 | 16QAM | 3 | 3 | 21.69 | 21.80 | 21.34 |
| 1.4 | 16QAM | 6 | 0 | 20.91 | 20.86 | 20.39 |
| 1.4 | 64QAM | 1 | 0 | 21.54 | 21.71 | 21.39 |
| 1.4 | 64QAM | 1 | 3 | 21.85 | 21.86 | 21.47 |
| 1.4 | 64QAM | 1 | 5 | 21.80 | 21.79 | 21.33 |
| 1.4 | 64QAM | 3 | 0 | 21.46 | 21.73 | 21.40 |
| 1.4 | 64QAM | 3 | 1 | 21.74 | 21.68 | 21.35 |
| 1.4 | 64QAM | 3 | 3 | 21.64 | 21.81 | 21.51 |
| 1.4 | 64QAM | 6 | 0 | 20.72 | 20.84 | 20.39 |

| LTE Band7 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 20850 | | 21100 | 21350 |
| Frequency (MHz) | | | 2510 | | 2535 | 2560 |
| 20 | QPSK | 1 | 0 | 22.74 | 22.78 | 22.81 |
| 20 | QPSK | 1 | 49 | 22.62 | 22.87 | 22.76 |
| 20 | QPSK | 1 | 99 | 22.78 | 22.73 | 22.78 |
| 20 | QPSK | 50 | 0 | 21.77 | 21.94 | 21.81 |
| 20 | QPSK | 50 | 24 | 21.83 | 21.80 | 21.70 |
| 20 | QPSK | 50 | 50 | 21.93 | 21.96 | 21.93 |
| 20 | QPSK | 100 | 0 | 21.88 | 21.90 | 21.87 |
| 20 | 16QAM | 1 | 0 | 21.69 | 21.79 | 21.97 |
| 20 | 16QAM | 1 | 49 | 21.84 | 21.70 | 21.98 |
| 20 | 16QAM | 1 | 99 | 21.82 | 21.72 | 21.89 |
| 20 | 16QAM | 50 | 0 | 20.88 | 20.98 | 20.91 |
| 20 | 16QAM | 50 | 24 | 20.93 | 20.85 | 20.96 |
| 20 | 16QAM | 50 | 50 | 21.01 | 21.06 | 20.89 |
| 20 | 16QAM | 100 | 0 | 20.89 | 21.01 | 20.99 |
| 20 | 64QAM | 1 | 0 | 21.99 | 22.34 | 21.56 |

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| | | | | | | |
|----|-------|-----|----|-------|-------|-------|
| 20 | 64QAM | 1 | 49 | 21.93 | 21.90 | 21.95 |
| 20 | 64QAM | 1 | 99 | 21.91 | 21.96 | 21.87 |
| 20 | 64QAM | 50 | 0 | 20.90 | 20.91 | 20.96 |
| 20 | 64QAM | 50 | 24 | 20.95 | 20.96 | 20.96 |
| 20 | 64QAM | 50 | 50 | 20.99 | 21.06 | 20.91 |
| 20 | 64QAM | 100 | 0 | 20.92 | 20.89 | 21.01 |

| LTE Band7 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 20825 | 21100 | 21375 |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 |
| 15 | QPSK | 1 | 0 | 22.71 | 22.80 | 22.80 |
| 15 | QPSK | 1 | 37 | 22.81 | 22.78 | 22.82 |
| 15 | QPSK | 1 | 74 | 22.75 | 22.82 | 22.82 |
| 15 | QPSK | 36 | 0 | 21.86 | 21.95 | 21.97 |
| 15 | QPSK | 36 | 20 | 21.94 | 22.01 | 21.96 |
| 15 | QPSK | 36 | 39 | 21.97 | 22.00 | 22.04 |
| 15 | QPSK | 75 | 0 | 22.03 | 21.96 | 21.98 |
| 15 | 16QAM | 1 | 0 | 22.19 | 22.30 | 22.37 |
| 15 | 16QAM | 1 | 37 | 22.01 | 22.12 | 22.10 |
| 15 | 16QAM | 1 | 74 | 22.05 | 22.05 | 22.27 |
| 15 | 16QAM | 36 | 0 | 20.89 | 21.00 | 21.02 |
| 15 | 16QAM | 36 | 20 | 20.96 | 20.99 | 20.98 |
| 15 | 16QAM | 36 | 39 | 21.02 | 21.00 | 20.89 |
| 15 | 16QAM | 75 | 0 | 20.97 | 21.05 | 20.97 |
| 15 | 64QAM | 1 | 0 | 21.89 | 22.35 | 21.74 |
| 15 | 64QAM | 1 | 37 | 21.79 | 21.94 | 22.03 |
| 15 | 64QAM | 1 | 74 | 21.78 | 21.90 | 21.96 |
| 15 | 64QAM | 36 | 0 | 20.88 | 20.96 | 20.95 |
| 15 | 64QAM | 36 | 20 | 20.99 | 20.98 | 21.05 |
| 15 | 64QAM | 36 | 39 | 21.03 | 20.94 | 20.96 |
| 15 | 64QAM | 75 | 0 | 20.88 | 20.98 | 20.93 |

**LTE Band7**

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 20800 | 21100 | 21400 |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 |
| 10 | QPSK | 1 | 0 | 22.70 | 22.57 | 22.60 |
| 10 | QPSK | 1 | 25 | 22.73 | 22.63 | 22.65 |
| 10 | QPSK | 1 | 49 | 22.66 | 22.63 | 22.65 |
| 10 | QPSK | 25 | 0 | 21.78 | 21.78 | 21.77 |
| 10 | QPSK | 25 | 12 | 21.74 | 21.86 | 21.91 |
| 10 | QPSK | 25 | 25 | 21.67 | 21.85 | 21.85 |
| 10 | QPSK | 50 | 0 | 21.76 | 21.88 | 21.87 |
| 10 | 16QAM | 1 | 0 | 21.81 | 21.99 | 21.84 |
| 10 | 16QAM | 1 | 25 | 21.80 | 21.82 | 21.87 |
| 10 | 16QAM | 1 | 49 | 22.27 | 22.17 | 22.08 |
| 10 | 16QAM | 25 | 0 | 20.76 | 20.83 | 20.91 |
| 10 | 16QAM | 25 | 12 | 20.77 | 20.94 | 20.87 |
| 10 | 16QAM | 25 | 25 | 20.82 | 20.85 | 20.77 |
| 10 | 16QAM | 50 | 0 | 20.85 | 20.94 | 20.79 |
| 10 | 64QAM | 1 | 0 | 21.89 | 21.85 | 21.83 |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.83 | 21.66 |
| 10 | 64QAM | 1 | 49 | 21.69 | 21.93 | 21.74 |
| 10 | 64QAM | 25 | 0 | 20.80 | 20.78 | 20.82 |
| 10 | 64QAM | 25 | 12 | 20.82 | 20.93 | 20.86 |
| 10 | 64QAM | 25 | 25 | 20.75 | 20.65 | 20.64 |
| 10 | 64QAM | 50 | 0 | 20.85 | 20.91 | 20.83 |

LTE Band7

| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| Channel | | | | 20775 | 21100 | 21425 |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 |
| 5 | QPSK | 1 | 0 | 22.53 | 22.58 | 22.71 |
| 5 | QPSK | 1 | 12 | 22.62 | 22.70 | 22.78 |



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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 5 | QPSK | 1 | 24 | 22.71 | 22.77 | 22.81 |
| 5 | QPSK | 12 | 0 | 21.74 | 21.82 | 21.74 |
| 5 | QPSK | 12 | 7 | 21.81 | 21.96 | 21.88 |
| 5 | QPSK | 12 | 13 | 21.83 | 21.99 | 21.84 |
| 5 | QPSK | 25 | 0 | 21.84 | 21.85 | 21.80 |
| 5 | 16QAM | 1 | 0 | 21.82 | 21.80 | 21.86 |
| 5 | 16QAM | 1 | 12 | 21.87 | 22.09 | 21.99 |
| 5 | 16QAM | 1 | 24 | 21.93 | 22.12 | 21.94 |
| 5 | 16QAM | 12 | 0 | 20.79 | 20.73 | 20.86 |
| 5 | 16QAM | 12 | 7 | 20.88 | 21.00 | 20.96 |
| 5 | 16QAM | 12 | 13 | 20.98 | 21.04 | 20.87 |
| 5 | 16QAM | 25 | 0 | 20.85 | 20.90 | 20.91 |
| 5 | 64QAM | 1 | 0 | 21.81 | 21.86 | 21.82 |
| 5 | 64QAM | 1 | 12 | 21.86 | 21.98 | 21.86 |
| 5 | 64QAM | 1 | 24 | 21.90 | 22.00 | 21.96 |
| 5 | 64QAM | 12 | 0 | 20.86 | 20.83 | 20.88 |
| 5 | 64QAM | 12 | 7 | 20.95 | 21.00 | 20.79 |
| 5 | 64QAM | 12 | 13 | 20.90 | 20.99 | 20.85 |
| 5 | 64QAM | 25 | 0 | 20.85 | 20.84 | 20.89 |

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23060 | 23095 | 23130 |
| Frequency (MHz) | | | | 704 | 707.5 | 711 |
| 10 | QPSK | 1 | 0 | 22.47 | 22.48 | 22.35 |
| 10 | QPSK | 1 | 25 | 22.25 | 22.46 | 22.31 |
| 10 | QPSK | 1 | 49 | 22.25 | 22.44 | 22.63 |
| 10 | QPSK | 25 | 0 | 21.50 | 21.60 | 21.51 |
| 10 | QPSK | 25 | 12 | 21.59 | 21.54 | 21.60 |
| 10 | QPSK | 25 | 25 | 21.52 | 21.58 | 21.51 |
| 10 | QPSK | 50 | 0 | 21.53 | 21.55 | 21.46 |
| 10 | 16QAM | 1 | 0 | 21.90 | 21.45 | 21.51 |
| 10 | 16QAM | 1 | 25 | 22.05 | 21.60 | 21.92 |
| 10 | 16QAM | 1 | 49 | 21.74 | 21.79 | 21.68 |
| 10 | 16QAM | 25 | 0 | 20.52 | 20.54 | 20.48 |

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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 25 | 12 | 20.56 | 20.60 | 20.49 |
| 10 | 16QAM | 25 | 25 | 20.61 | 20.62 | 20.56 |
| 10 | 16QAM | 50 | 0 | 20.51 | 20.59 | 20.64 |
| 10 | 64QAM | 1 | 0 | 21.44 | 21.56 | 21.90 |
| 10 | 64QAM | 1 | 25 | 21.88 | 21.94 | 21.53 |
| 10 | 64QAM | 1 | 49 | 21.90 | 21.58 | 21.51 |
| 10 | 64QAM | 25 | 0 | 20.52 | 20.46 | 20.43 |
| 10 | 64QAM | 25 | 12 | 20.57 | 20.60 | 20.52 |
| 10 | 64QAM | 25 | 25 | 20.62 | 20.59 | 20.59 |
| 10 | 64QAM | 50 | 0 | 20.54 | 20.47 | 20.58 |

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | 23035 | | 23095 | 23155 |
| Frequency (MHz) | | | 701.5 | | 707.5 | 713.5 |
| 5 | QPSK | 1 | 0 | 22.22 | 22.38 | 22.33 |
| 5 | QPSK | 1 | 12 | 22.38 | 22.54 | 22.38 |
| 5 | QPSK | 1 | 24 | 22.34 | 22.53 | 22.39 |
| 5 | QPSK | 12 | 0 | 21.45 | 21.52 | 21.51 |
| 5 | QPSK | 12 | 7 | 21.56 | 21.58 | 21.55 |
| 5 | QPSK | 12 | 13 | 21.51 | 21.54 | 21.51 |
| 5 | QPSK | 25 | 0 | 21.47 | 21.59 | 21.55 |
| 5 | 16QAM | 1 | 0 | 21.48 | 21.50 | 21.52 |
| 5 | 16QAM | 1 | 12 | 21.65 | 21.60 | 21.61 |
| 5 | 16QAM | 1 | 24 | 21.61 | 21.59 | 21.55 |
| 5 | 16QAM | 12 | 0 | 20.46 | 20.43 | 20.46 |
| 5 | 16QAM | 12 | 7 | 20.60 | 20.65 | 20.49 |
| 5 | 16QAM | 12 | 13 | 20.55 | 20.52 | 20.57 |
| 5 | 16QAM | 25 | 0 | 20.56 | 20.52 | 20.54 |
| 5 | 64QAM | 1 | 0 | 21.42 | 21.43 | 21.48 |
| 5 | 64QAM | 1 | 12 | 21.87 | 21.57 | 21.50 |
| 5 | 64QAM | 1 | 24 | 21.85 | 21.54 | 21.59 |
| 5 | 64QAM | 12 | 0 | 20.50 | 20.52 | 20.47 |
| 5 | 64QAM | 12 | 7 | 20.60 | 20.48 | 20.54 |
| 5 | 64QAM | 12 | 13 | 20.47 | 20.57 | 20.62 |

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| | | | | | | |
|---|-------|----|---|-------|-------|-------|
| 5 | 64QAM | 25 | 0 | 20.62 | 20.58 | 20.55 |
|---|-------|----|---|-------|-------|-------|

| LTE Band 12 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23025 | 23095 | 23165 |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 |
| 3 | QPSK | 1 | 0 | 22.30 | 22.39 | 22.24 |
| 3 | QPSK | 1 | 8 | 22.48 | 22.47 | 22.57 |
| 3 | QPSK | 1 | 14 | 22.42 | 22.53 | 22.48 |
| 3 | QPSK | 8 | 0 | 21.53 | 21.51 | 21.51 |
| 3 | QPSK | 8 | 4 | 21.56 | 21.59 | 21.60 |
| 3 | QPSK | 8 | 7 | 21.51 | 21.59 | 21.53 |
| 3 | QPSK | 15 | 0 | 21.50 | 21.58 | 21.44 |
| 3 | 16QAM | 1 | 0 | 21.51 | 21.87 | 21.46 |
| 3 | 16QAM | 1 | 8 | 21.71 | 21.69 | 21.64 |
| 3 | 16QAM | 1 | 14 | 21.54 | 21.59 | 22.06 |
| 3 | 16QAM | 8 | 0 | 20.62 | 20.51 | 20.54 |
| 3 | 16QAM | 8 | 4 | 20.67 | 20.64 | 20.75 |
| 3 | 16QAM | 8 | 7 | 20.51 | 20.54 | 20.60 |
| 3 | 16QAM | 15 | 0 | 20.49 | 20.42 | 20.41 |
| 3 | 64QAM | 1 | 0 | 21.43 | 21.77 | 21.76 |
| 3 | 64QAM | 1 | 8 | 22.00 | 22.00 | 21.91 |
| 3 | 64QAM | 1 | 14 | 21.84 | 21.50 | 21.94 |
| 3 | 64QAM | 8 | 0 | 20.43 | 20.51 | 20.42 |
| 3 | 64QAM | 8 | 4 | 20.52 | 20.56 | 20.55 |
| 3 | 64QAM | 8 | 7 | 20.51 | 20.43 | 20.58 |
| 3 | 64QAM | 15 | 0 | 20.50 | 20.52 | 20.44 |

| LTE Band 12 | | | | | | |
|-------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |

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| Channel | | | | 23017 | 23095 | 23173 |
|-----------------|-------|---|---|-------|-------|-------|
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 |
| 1.4 | QPSK | 1 | 0 | 22.33 | 22.37 | 22.30 |
| 1.4 | QPSK | 1 | 3 | 22.44 | 22.43 | 22.45 |
| 1.4 | QPSK | 1 | 5 | 22.33 | 22.38 | 22.34 |
| 1.4 | QPSK | 3 | 0 | 22.28 | 22.41 | 22.39 |
| 1.4 | QPSK | 3 | 1 | 22.49 | 22.49 | 22.50 |
| 1.4 | QPSK | 3 | 3 | 22.44 | 22.46 | 22.42 |
| 1.4 | QPSK | 6 | 0 | 21.50 | 21.47 | 21.45 |
| 1.4 | 16QAM | 1 | 0 | 21.54 | 21.48 | 21.17 |
| 1.4 | 16QAM | 1 | 3 | 21.35 | 21.78 | 21.89 |
| 1.4 | 16QAM | 1 | 5 | 21.47 | 21.48 | 21.47 |
| 1.4 | 16QAM | 3 | 0 | 21.31 | 21.34 | 21.35 |
| 1.4 | 16QAM | 3 | 1 | 21.47 | 21.55 | 21.39 |
| 1.4 | 16QAM | 3 | 3 | 21.30 | 21.44 | 21.44 |
| 1.4 | 16QAM | 6 | 0 | 20.46 | 20.47 | 20.49 |
| 1.4 | 64QAM | 1 | 0 | 21.27 | 21.42 | 21.26 |
| 1.4 | 64QAM | 1 | 3 | 21.39 | 21.90 | 21.37 |
| 1.4 | 64QAM | 1 | 5 | 21.55 | 21.58 | 21.54 |
| 1.4 | 64QAM | 3 | 0 | 21.45 | 21.46 | 21.29 |
| 1.4 | 64QAM | 3 | 1 | 21.43 | 21.67 | 21.52 |
| 1.4 | 64QAM | 3 | 3 | 21.45 | 21.29 | 21.45 |
| 1.4 | 64QAM | 6 | 0 | 20.52 | 20.53 | 20.40 |

| LTE Band 17 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23780 | 23790 | 23800 |
| Frequency (MHz) | | | | 709 | 710 | 711 |
| 10 | QPSK | 1 | 0 | 22.23 | 22.31 | 22.17 |
| 10 | QPSK | 1 | 25 | 22.43 | 22.29 | 22.42 |
| 10 | QPSK | 1 | 49 | 22.26 | 22.19 | 22.35 |
| 10 | QPSK | 25 | 0 | 21.26 | 21.21 | 21.22 |
| 10 | QPSK | 25 | 12 | 21.46 | 21.40 | 21.38 |
| 10 | QPSK | 25 | 25 | 21.24 | 21.18 | 21.19 |
| 10 | QPSK | 50 | 0 | 21.22 | 21.17 | 21.30 |

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| | | | | | | |
|----|-------|----|----|-------|-------|-------|
| 10 | 16QAM | 1 | 0 | 21.88 | 21.60 | 21.59 |
| 10 | 16QAM | 1 | 25 | 21.51 | 21.57 | 21.49 |
| 10 | 16QAM | 1 | 49 | 21.40 | 21.15 | 21.21 |
| 10 | 16QAM | 25 | 0 | 20.20 | 20.18 | 20.18 |
| 10 | 16QAM | 25 | 12 | 20.34 | 20.40 | 20.44 |
| 10 | 16QAM | 25 | 25 | 20.19 | 20.22 | 20.31 |
| 10 | 16QAM | 50 | 0 | 20.11 | 20.12 | 20.20 |
| 10 | 64QAM | 1 | 0 | 21.81 | 21.47 | 21.50 |
| 10 | 64QAM | 1 | 25 | 21.55 | 21.53 | 21.22 |
| 10 | 64QAM | 1 | 49 | 21.49 | 21.49 | 21.50 |
| 10 | 64QAM | 25 | 0 | 20.13 | 20.13 | 20.21 |
| 10 | 64QAM | 25 | 12 | 20.46 | 20.37 | 20.45 |
| 10 | 64QAM | 25 | 25 | 20.18 | 20.03 | 20.07 |
| 10 | 64QAM | 50 | 0 | 20.13 | 20.25 | 20.19 |

| LTE Band 17 | | | | | | |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz] | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel | | | | 23035 | 23790 | 23155 |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 |
| 5 | QPSK | 1 | 0 | 21.93 | 22.10 | 22.12 |
| 5 | QPSK | 1 | 12 | 22.37 | 22.41 | 22.41 |
| 5 | QPSK | 1 | 24 | 22.25 | 22.19 | 22.21 |
| 5 | QPSK | 12 | 0 | 21.36 | 21.33 | 21.37 |
| 5 | QPSK | 12 | 7 | 21.47 | 21.51 | 21.52 |
| 5 | QPSK | 12 | 13 | 21.44 | 21.46 | 21.43 |
| 5 | QPSK | 25 | 0 | 21.45 | 21.34 | 21.38 |
| 5 | 16QAM | 1 | 0 | 21.36 | 21.03 | 21.49 |
| 5 | 16QAM | 1 | 12 | 21.94 | 21.33 | 21.75 |
| 5 | 16QAM | 1 | 24 | 21.74 | 21.07 | 21.56 |
| 5 | 16QAM | 12 | 0 | 20.32 | 20.37 | 20.35 |
| 5 | 16QAM | 12 | 7 | 20.47 | 20.37 | 20.49 |
| 5 | 16QAM | 12 | 13 | 20.43 | 20.42 | 20.42 |
| 5 | 16QAM | 25 | 0 | 20.44 | 20.38 | 20.42 |
| 5 | 64QAM | 1 | 0 | 21.03 | 21.20 | 21.28 |
| 5 | 64QAM | 1 | 12 | 21.82 | 21.47 | 21.44 |

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| | | | | | | |
|---|-------|----|----|-------|-------|-------|
| 5 | 64QAM | 1 | 24 | 21.69 | 21.22 | 21.29 |
| 5 | 64QAM | 12 | 0 | 20.21 | 20.36 | 20.37 |
| 5 | 64QAM | 12 | 7 | 20.46 | 20.39 | 20.53 |
| 5 | 64QAM | 12 | 13 | 20.44 | 20.46 | 20.24 |
| 5 | 64QAM | 25 | 0 | 20.40 | 20.44 | 20.45 |

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**Effective Radiated Power and Effective Isotropic Radiated Power:****Top Antenna**

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18700 | | 18900 | | 19100 | |
| Frequency (MHz) | | | | 1860 | | 1880 | | 1900 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 16.33 | 0.043 | 16.35 | 0.043 | 16.36 | 0.043 |
| 20 | QPSK | 1 | 49 | 16.28 | 0.042 | 16.31 | 0.043 | 16.42 | 0.044 |
| 20 | QPSK | 1 | 99 | 16.39 | 0.044 | 16.55 | 0.045 | 16.59 | 0.046 |
| 20 | QPSK | 50 | 0 | 15.5 | 0.035 | 15.52 | 0.036 | 15.52 | 0.036 |
| 20 | QPSK | 50 | 24 | 15.51 | 0.036 | 15.56 | 0.036 | 15.56 | 0.036 |
| 20 | QPSK | 50 | 50 | 15.56 | 0.036 | 15.67 | 0.037 | 15.68 | 0.037 |
| 20 | QPSK | 100 | 0 | 15.49 | 0.035 | 15.58 | 0.036 | 15.54 | 0.036 |
| 20 | 16QAM | 1 | 0 | 15.55 | 0.036 | 15.55 | 0.036 | 15.57 | 0.036 |
| 20 | 16QAM | 1 | 49 | 15.9 | 0.039 | 15.69 | 0.037 | 15.65 | 0.037 |
| 20 | 16QAM | 1 | 99 | 15.64 | 0.037 | 15.8 | 0.038 | 15.89 | 0.039 |
| 20 | 16QAM | 50 | 0 | 15.57 | 0.036 | 15.54 | 0.036 | 15.52 | 0.036 |
| 20 | 16QAM | 50 | 24 | 15.53 | 0.036 | 15.58 | 0.036 | 15.59 | 0.036 |
| 20 | 16QAM | 50 | 50 | 15.61 | 0.036 | 15.58 | 0.036 | 15.65 | 0.037 |
| 20 | 16QAM | 100 | 0 | 15.64 | 0.037 | 15.65 | 0.037 | 15.52 | 0.036 |
| 20 | 64QAM | 1 | 0 | 15.51 | 0.036 | 15.7 | 0.037 | 15.44 | 0.035 |
| 20 | 64QAM | 1 | 49 | 15.46 | 0.035 | 15.64 | 0.037 | 15.55 | 0.036 |
| 20 | 64QAM | 1 | 99 | 15.9 | 0.039 | 15.74 | 0.037 | 15.74 | 0.037 |
| 20 | 64QAM | 50 | 0 | 14.59 | 0.029 | 14.51 | 0.028 | 14.56 | 0.029 |
| 20 | 64QAM | 50 | 24 | 14.62 | 0.029 | 14.56 | 0.029 | 14.61 | 0.029 |
| 20 | 64QAM | 50 | 50 | 14.61 | 0.029 | 14.62 | 0.029 | 14.56 | 0.029 |
| 20 | 64QAM | 100 | 0 | 14.61 | 0.029 | 14.58 | 0.029 | 14.59 | 0.029 |

| LTE Band2 | | | | Measured EIRP | | | |
|-----------|------------|---------|-----------|-----------------|--|--------------------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | |



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| Channel | | | | 18675 | | 18900 | | 19125 | |
|-----------------|-------|----|----|--------|-------|-------|-------|--------|-------|
| Frequency (MHz) | | | | 1857.5 | | 1880 | | 1902.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 15 | QPSK | 1 | 0 | 16.36 | 0.043 | 16.39 | 0.044 | 16.3 | 0.043 |
| 15 | QPSK | 1 | 37 | 16.15 | 0.041 | 16.51 | 0.045 | 16.39 | 0.044 |
| 15 | QPSK | 1 | 74 | 16.52 | 0.045 | 16.44 | 0.044 | 16.52 | 0.045 |
| 15 | QPSK | 36 | 0 | 15.48 | 0.035 | 15.57 | 0.036 | 15.56 | 0.036 |
| 15 | QPSK | 36 | 20 | 15.47 | 0.035 | 15.66 | 0.037 | 15.63 | 0.037 |
| 15 | QPSK | 36 | 39 | 15.59 | 0.036 | 15.60 | 0.036 | 15.57 | 0.036 |
| 15 | QPSK | 75 | 0 | 15.51 | 0.036 | 15.57 | 0.036 | 15.53 | 0.036 |
| 15 | 16QAM | 1 | 0 | 15.60 | 0.036 | 15.68 | 0.037 | 15.62 | 0.036 |
| 15 | 16QAM | 1 | 37 | 15.73 | 0.037 | 15.76 | 0.038 | 15.62 | 0.036 |
| 15 | 16QAM | 1 | 74 | 15.68 | 0.037 | 15.8 | 0.038 | 15.8 | 0.038 |
| 15 | 16QAM | 36 | 0 | 15.47 | 0.035 | 15.52 | 0.036 | 15.55 | 0.036 |
| 15 | 16QAM | 36 | 20 | 15.56 | 0.036 | 15.49 | 0.035 | 15.62 | 0.036 |
| 15 | 16QAM | 36 | 39 | 15.61 | 0.036 | 15.7 | 0.037 | 15.67 | 0.037 |
| 15 | 16QAM | 75 | 0 | 15.48 | 0.035 | 15.5 | 0.035 | 15.59 | 0.036 |
| 15 | 64QAM | 1 | 0 | 15.68 | 0.037 | 15.44 | 0.035 | 15.50 | 0.035 |
| 15 | 64QAM | 1 | 37 | 15.67 | 0.037 | 15.48 | 0.035 | 15.90 | 0.039 |
| 15 | 64QAM | 1 | 74 | 15.56 | 0.036 | 15.6 | 0.036 | 15.75 | 0.038 |
| 15 | 64QAM | 36 | 0 | 14.41 | 0.028 | 14.58 | 0.029 | 14.46 | 0.028 |
| 15 | 64QAM | 36 | 20 | 14.61 | 0.029 | 14.63 | 0.029 | 14.53 | 0.028 |
| 15 | 64QAM | 36 | 39 | 14.49 | 0.028 | 14.54 | 0.028 | 14.63 | 0.029 |
| 15 | 64QAM | 75 | 0 | 14.48 | 0.028 | 14.55 | 0.029 | 14.54 | 0.028 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18650 | | 18900 | | 19150 | |
| Frequency (MHz) | | | | 1855 | | 1880 | | 1905 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 16.21 | 0.042 | 16.20 | 0.042 | 16.30 | 0.043 |
| 10 | QPSK | 1 | 25 | 16.32 | 0.043 | 16.42 | 0.044 | 16.30 | 0.043 |
| 10 | QPSK | 1 | 49 | 16.21 | 0.042 | 16.29 | 0.043 | 16.21 | 0.042 |
| 10 | QPSK | 25 | 0 | 15.47 | 0.035 | 15.48 | 0.035 | 15.44 | 0.035 |
| 10 | QPSK | 25 | 12 | 15.43 | 0.035 | 15.55 | 0.036 | 15.48 | 0.035 |
| 10 | QPSK | 25 | 25 | 15.34 | 0.034 | 15.47 | 0.035 | 15.43 | 0.035 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | QPSK | 50 | 0 | 15.40 | 0.035 | 15.49 | 0.035 | 15.47 | 0.035 |
| 10 | 16QAM | 1 | 0 | 15.88 | 0.039 | 15.81 | 0.038 | 15.80 | 0.038 |
| 10 | 16QAM | 1 | 25 | 15.57 | 0.036 | 15.53 | 0.036 | 15.60 | 0.036 |
| 10 | 16QAM | 1 | 49 | 15.52 | 0.036 | 15.60 | 0.036 | 15.81 | 0.038 |
| 10 | 16QAM | 25 | 0 | 14.36 | 0.027 | 14.40 | 0.028 | 14.46 | 0.028 |
| 10 | 16QAM | 25 | 12 | 14.54 | 0.028 | 14.50 | 0.028 | 14.49 | 0.028 |
| 10 | 16QAM | 25 | 25 | 14.49 | 0.028 | 14.45 | 0.028 | 14.44 | 0.028 |
| 10 | 16QAM | 50 | 0 | 14.45 | 0.028 | 14.38 | 0.027 | 14.42 | 0.028 |
| 10 | 64QAM | 1 | 0 | 15.46 | 0.035 | 15.51 | 0.036 | 15.51 | 0.036 |
| 10 | 64QAM | 1 | 25 | 15.49 | 0.035 | 15.54 | 0.036 | 15.58 | 0.036 |
| 10 | 64QAM | 1 | 49 | 15.16 | 0.033 | 15.29 | 0.034 | 15.26 | 0.034 |
| 10 | 64QAM | 25 | 0 | 14.46 | 0.028 | 14.50 | 0.028 | 14.51 | 0.028 |
| 10 | 64QAM | 25 | 12 | 14.49 | 0.028 | 14.47 | 0.028 | 14.48 | 0.028 |
| 10 | 64QAM | 25 | 25 | 14.42 | 0.028 | 14.20 | 0.026 | 14.42 | 0.028 |
| 10 | 64QAM | 50 | 0 | 14.43 | 0.028 | 14.43 | 0.028 | 14.40 | 0.028 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18625 | | 18900 | | 19175 | |
| Frequency (MHz) | | | | 1852.5 | | 1880 | | 1907.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 16.35 | 0.043 | 16.40 | 0.044 | 16.34 | 0.043 |
| 5 | QPSK | 1 | 12 | 16.34 | 0.043 | 16.45 | 0.044 | 16.32 | 0.043 |
| 5 | QPSK | 1 | 24 | 16.30 | 0.043 | 16.46 | 0.044 | 16.39 | 0.044 |
| 5 | QPSK | 12 | 0 | 15.46 | 0.035 | 15.37 | 0.034 | 15.44 | 0.035 |
| 5 | QPSK | 12 | 7 | 15.47 | 0.035 | 15.52 | 0.036 | 15.44 | 0.035 |
| 5 | QPSK | 12 | 13 | 15.46 | 0.035 | 15.45 | 0.035 | 15.48 | 0.035 |
| 5 | QPSK | 25 | 0 | 15.45 | 0.035 | 15.43 | 0.035 | 15.45 | 0.035 |
| 5 | 16QAM | 1 | 0 | 15.58 | 0.036 | 15.48 | 0.035 | 15.86 | 0.039 |
| 5 | 16QAM | 1 | 12 | 15.56 | 0.036 | 15.49 | 0.035 | 15.86 | 0.039 |
| 5 | 16QAM | 1 | 24 | 15.59 | 0.036 | 15.46 | 0.035 | 15.85 | 0.038 |
| 5 | 16QAM | 12 | 0 | 14.44 | 0.028 | 14.32 | 0.027 | 14.42 | 0.028 |
| 5 | 16QAM | 12 | 7 | 14.51 | 0.028 | 14.53 | 0.028 | 14.47 | 0.028 |
| 5 | 16QAM | 12 | 13 | 14.54 | 0.028 | 14.43 | 0.028 | 14.38 | 0.027 |
| 5 | 16QAM | 25 | 0 | 14.46 | 0.028 | 14.44 | 0.028 | 14.42 | 0.028 |
| 5 | 64QAM | 1 | 0 | 15.85 | 0.038 | 15.40 | 0.035 | 15.45 | 0.035 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | 64QAM | 1 | 12 | 15.84 | 0.038 | 15.50 | 0.035 | 15.61 | 0.036 |
| 5 | 64QAM | 1 | 24 | 15.85 | 0.038 | 15.49 | 0.035 | 15.51 | 0.036 |
| 5 | 64QAM | 12 | 0 | 14.50 | 0.028 | 14.43 | 0.028 | 14.42 | 0.028 |
| 5 | 64QAM | 12 | 7 | 14.56 | 0.029 | 14.40 | 0.028 | 14.40 | 0.028 |
| 5 | 64QAM | 12 | 13 | 14.53 | 0.028 | 14.49 | 0.028 | 14.47 | 0.028 |
| 5 | 64QAM | 25 | 0 | 14.60 | 0.029 | 14.40 | 0.028 | 14.47 | 0.028 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18615 | | 18900 | | 19185 | |
| Frequency (MHz) | | | | 1851.5 | | 1880 | | 1908.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 16.40 | 0.044 | 16.18 | 0.041 | 16.30 | 0.043 |
| 3 | QPSK | 1 | 8 | 16.33 | 0.043 | 16.54 | 0.045 | 16.37 | 0.043 |
| 3 | QPSK | 1 | 14 | 16.52 | 0.045 | 16.39 | 0.044 | 16.39 | 0.044 |
| 3 | QPSK | 8 | 0 | 15.46 | 0.035 | 15.41 | 0.035 | 15.43 | 0.035 |
| 3 | QPSK | 8 | 4 | 15.52 | 0.036 | 15.46 | 0.035 | 15.47 | 0.035 |
| 3 | QPSK | 8 | 7 | 15.52 | 0.036 | 15.46 | 0.035 | 15.42 | 0.035 |
| 3 | QPSK | 15 | 0 | 15.44 | 0.035 | 15.52 | 0.036 | 15.45 | 0.035 |
| 3 | 16QAM | 1 | 0 | 15.60 | 0.036 | 15.51 | 0.036 | 15.45 | 0.035 |
| 3 | 16QAM | 1 | 8 | 15.64 | 0.037 | 15.58 | 0.036 | 15.54 | 0.036 |
| 3 | 16QAM | 1 | 14 | 15.57 | 0.036 | 15.54 | 0.036 | 15.89 | 0.039 |
| 3 | 16QAM | 8 | 0 | 14.50 | 0.028 | 14.63 | 0.029 | 14.55 | 0.029 |
| 3 | 16QAM | 8 | 4 | 14.57 | 0.029 | 14.54 | 0.028 | 14.60 | 0.029 |
| 3 | 16QAM | 8 | 7 | 14.47 | 0.028 | 14.52 | 0.028 | 14.55 | 0.029 |
| 3 | 16QAM | 15 | 0 | 14.50 | 0.028 | 14.54 | 0.028 | 14.49 | 0.028 |
| 3 | 64QAM | 1 | 0 | 15.53 | 0.036 | 15.46 | 0.035 | 15.49 | 0.035 |
| 3 | 64QAM | 1 | 8 | 15.95 | 0.039 | 15.94 | 0.039 | 15.54 | 0.036 |
| 3 | 64QAM | 1 | 14 | 15.56 | 0.036 | 15.92 | 0.039 | 15.56 | 0.036 |
| 3 | 64QAM | 8 | 0 | 14.48 | 0.028 | 14.50 | 0.028 | 14.34 | 0.027 |
| 3 | 64QAM | 8 | 4 | 14.58 | 0.029 | 14.48 | 0.028 | 14.48 | 0.028 |
| 3 | 64QAM | 8 | 7 | 14.68 | 0.029 | 14.57 | 0.029 | 14.43 | 0.028 |
| 3 | 64QAM | 15 | 0 | 14.53 | 0.028 | 14.53 | 0.028 | 14.51 | 0.028 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------|--|--|--|---------------|--|--|--|--|--|
|-----------|--|--|--|---------------|--|--|--|--|--|

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| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|---|
| Channel | | | | 18607 | | 18900 | | 19193 | | |
| Frequency (MHz) | | | | 1850.7 | | 1880 | | 1909.3 | | |
| | | | | | dbm | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 16.27 | 0.042 | 16.29 | 0.043 | 16.25 | 0.042 | |
| 1.4 | QPSK | 1 | 3 | 16.37 | 0.043 | 16.35 | 0.043 | 16.34 | 0.043 | |
| 1.4 | QPSK | 1 | 5 | 16.34 | 0.043 | 16.32 | 0.043 | 16.30 | 0.043 | |
| 1.4 | QPSK | 3 | 0 | 16.33 | 0.043 | 16.33 | 0.043 | 16.29 | 0.043 | |
| 1.4 | QPSK | 3 | 1 | 16.37 | 0.043 | 16.34 | 0.043 | 16.32 | 0.043 | |
| 1.4 | QPSK | 3 | 3 | 16.39 | 0.044 | 16.43 | 0.044 | 16.32 | 0.043 | |
| 1.4 | QPSK | 6 | 0 | 15.42 | 0.035 | 15.40 | 0.035 | 15.39 | 0.035 | |
| 1.4 | 16QAM | 1 | 0 | 15.45 | 0.035 | 15.45 | 0.035 | 15.39 | 0.035 | |
| 1.4 | 16QAM | 1 | 3 | 15.41 | 0.035 | 15.61 | 0.036 | 15.59 | 0.036 | |
| 1.4 | 16QAM | 1 | 5 | 15.29 | 0.034 | 15.49 | 0.035 | 15.17 | 0.033 | |
| 1.4 | 16QAM | 3 | 0 | 15.31 | 0.034 | 15.36 | 0.034 | 15.33 | 0.034 | |
| 1.4 | 16QAM | 3 | 1 | 15.49 | 0.035 | 15.31 | 0.034 | 15.36 | 0.034 | |
| 1.4 | 16QAM | 3 | 3 | 15.51 | 0.036 | 15.48 | 0.035 | 15.22 | 0.033 | |
| 1.4 | 16QAM | 6 | 0 | 14.56 | 0.029 | 14.45 | 0.028 | 14.37 | 0.027 | |
| 1.4 | 64QAM | 1 | 0 | 15.40 | 0.035 | 15.32 | 0.034 | 15.35 | 0.034 | |
| 1.4 | 64QAM | 1 | 3 | 15.42 | 0.035 | 15.63 | 0.037 | 15.51 | 0.036 | |
| 1.4 | 64QAM | 1 | 5 | 15.40 | 0.035 | 15.75 | 0.038 | 15.34 | 0.034 | |
| 1.4 | 64QAM | 3 | 0 | 15.43 | 0.035 | 15.49 | 0.035 | 15.50 | 0.035 | |
| 1.4 | 64QAM | 3 | 1 | 15.52 | 0.036 | 15.49 | 0.035 | 15.23 | 0.033 | |
| 1.4 | 64QAM | 3 | 3 | 15.44 | 0.035 | 15.58 | 0.036 | 15.35 | 0.034 | |
| 1.4 | 64QAM | 6 | 0 | 14.44 | 0.028 | 14.45 | 0.028 | 14.34 | 0.027 | |

| LTE Band4 | | | | Measured EIRP | | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | | |
| Channel | | | | 20050 | | 20175 | | 20300 | | |
| Frequency (MHz) | | | | 1720 | | 1732.5 | | 1745 | | |
| | | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 17.42 | 0.055 | 17.40 | 0.055 | 17.54 | 0.057 | |
| 20 | QPSK | 1 | 49 | 17.28 | 0.053 | 17.36 | 0.054 | 17.49 | 0.056 | |

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| | | | | | | | | | |
|----|-------|-----|----|-------|-------|-------|-------|-------|-------|
| 20 | QPSK | 1 | 99 | 17.20 | 0.052 | 17.33 | 0.054 | 17.44 | 0.055 |
| 20 | QPSK | 50 | 0 | 16.49 | 0.045 | 16.60 | 0.046 | 16.59 | 0.046 |
| 20 | QPSK | 50 | 24 | 16.49 | 0.045 | 16.57 | 0.045 | 16.57 | 0.045 |
| 20 | QPSK | 50 | 50 | 16.38 | 0.043 | 16.49 | 0.045 | 16.62 | 0.046 |
| 20 | QPSK | 100 | 0 | 16.48 | 0.044 | 16.52 | 0.045 | 16.59 | 0.046 |
| 20 | 16QAM | 1 | 0 | 16.67 | 0.046 | 16.75 | 0.047 | 16.64 | 0.046 |
| 20 | 16QAM | 1 | 49 | 16.82 | 0.048 | 16.59 | 0.046 | 16.73 | 0.047 |
| 20 | 16QAM | 1 | 99 | 16.61 | 0.046 | 16.83 | 0.048 | 16.59 | 0.046 |
| 20 | 16QAM | 50 | 0 | 15.54 | 0.036 | 15.59 | 0.036 | 15.69 | 0.037 |
| 20 | 16QAM | 50 | 24 | 15.50 | 0.035 | 15.61 | 0.036 | 15.50 | 0.035 |
| 20 | 16QAM | 50 | 50 | 15.46 | 0.035 | 15.47 | 0.035 | 15.47 | 0.035 |
| 20 | 16QAM | 100 | 0 | 15.48 | 0.035 | 15.56 | 0.036 | 15.57 | 0.036 |
| 20 | 64QAM | 1 | 0 | 16.46 | 0.044 | 16.57 | 0.045 | 16.79 | 0.048 |
| 20 | 64QAM | 1 | 49 | 16.50 | 0.045 | 16.43 | 0.044 | 16.31 | 0.043 |
| 20 | 64QAM | 1 | 99 | 16.77 | 0.048 | 16.34 | 0.043 | 16.81 | 0.048 |
| 20 | 64QAM | 50 | 0 | 15.47 | 0.035 | 15.56 | 0.036 | 15.51 | 0.036 |
| 20 | 64QAM | 50 | 24 | 15.49 | 0.035 | 15.60 | 0.036 | 15.54 | 0.036 |
| 20 | 64QAM | 50 | 50 | 15.53 | 0.036 | 15.48 | 0.035 | 15.50 | 0.035 |
| 20 | 64QAM | 100 | 0 | 15.56 | 0.036 | 15.54 | 0.036 | 15.63 | 0.037 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20025 | | 20175 | | 20325 | |
| Frequency (MHz) | | | | 1717.5 | | 1732.5 | | 1747.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 15 | QPSK | 1 | 0 | 17.29 | 0.054 | 17.33 | 0.054 | 17.43 | 0.055 |
| 15 | QPSK | 1 | 37 | 17.33 | 0.054 | 17.42 | 0.055 | 17.34 | 0.054 |
| 15 | QPSK | 1 | 74 | 17.20 | 0.052 | 17.42 | 0.055 | 17.45 | 0.056 |
| 15 | QPSK | 36 | 0 | 16.43 | 0.044 | 16.50 | 0.045 | 16.53 | 0.045 |
| 15 | QPSK | 36 | 20 | 16.47 | 0.044 | 16.60 | 0.046 | 16.56 | 0.045 |
| 15 | QPSK | 36 | 39 | 16.52 | 0.045 | 16.51 | 0.045 | 16.60 | 0.046 |
| 15 | QPSK | 75 | 0 | 16.47 | 0.044 | 16.49 | 0.045 | 16.50 | 0.045 |
| 15 | 16QAM | 1 | 0 | 16.55 | 0.045 | 16.77 | 0.048 | 16.49 | 0.045 |
| 15 | 16QAM | 1 | 37 | 16.63 | 0.046 | 16.63 | 0.046 | 16.47 | 0.044 |
| 15 | 16QAM | 1 | 74 | 16.49 | 0.045 | 16.79 | 0.048 | 16.75 | 0.047 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 15 | 16QAM | 36 | 0 | 15.50 | 0.035 | 15.52 | 0.036 | 15.58 | 0.036 |
| 15 | 16QAM | 36 | 20 | 15.45 | 0.035 | 15.52 | 0.036 | 15.58 | 0.036 |
| 15 | 16QAM | 36 | 39 | 15.41 | 0.035 | 15.50 | 0.035 | 15.56 | 0.036 |
| 15 | 16QAM | 75 | 0 | 15.52 | 0.036 | 15.53 | 0.036 | 15.62 | 0.036 |
| 15 | 64QAM | 1 | 0 | 16.33 | 0.043 | 16.64 | 0.046 | 16.69 | 0.047 |
| 15 | 64QAM | 1 | 37 | 16.75 | 0.047 | 16.51 | 0.045 | 16.57 | 0.045 |
| 15 | 64QAM | 1 | 74 | 16.79 | 0.048 | 16.50 | 0.045 | 16.54 | 0.045 |
| 15 | 64QAM | 36 | 0 | 15.44 | 0.035 | 15.51 | 0.036 | 15.55 | 0.036 |
| 15 | 64QAM | 36 | 20 | 15.50 | 0.035 | 15.52 | 0.036 | 15.54 | 0.036 |
| 15 | 64QAM | 36 | 39 | 15.53 | 0.036 | 15.49 | 0.035 | 15.51 | 0.036 |
| 15 | 64QAM | 75 | 0 | 15.46 | 0.035 | 15.57 | 0.036 | 15.50 | 0.035 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20000 | | 20175 | | 20350 | |
| Frequency (MHz) | | | | 1715 | | 1732.5 | | 1750 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 17.21 | 0.053 | 17.40 | 0.055 | 17.23 | 0.053 |
| 10 | QPSK | 1 | 25 | 17.19 | 0.052 | 17.32 | 0.054 | 17.33 | 0.054 |
| 10 | QPSK | 1 | 49 | 17.27 | 0.053 | 17.10 | 0.051 | 17.33 | 0.054 |
| 10 | QPSK | 25 | 0 | 16.26 | 0.042 | 16.48 | 0.044 | 16.50 | 0.045 |
| 10 | QPSK | 25 | 12 | 16.38 | 0.043 | 16.44 | 0.044 | 16.48 | 0.044 |
| 10 | QPSK | 25 | 25 | 16.27 | 0.042 | 16.38 | 0.043 | 16.45 | 0.044 |
| 10 | QPSK | 50 | 0 | 16.33 | 0.043 | 16.43 | 0.044 | 16.35 | 0.043 |
| 10 | 16QAM | 1 | 0 | 16.46 | 0.044 | 16.61 | 0.046 | 16.37 | 0.043 |
| 10 | 16QAM | 1 | 25 | 16.73 | 0.047 | 16.47 | 0.044 | 16.79 | 0.048 |
| 10 | 16QAM | 1 | 49 | 16.80 | 0.048 | 16.70 | 0.047 | 16.69 | 0.047 |
| 10 | 16QAM | 25 | 0 | 15.46 | 0.035 | 15.45 | 0.035 | 15.44 | 0.035 |
| 10 | 16QAM | 25 | 12 | 15.38 | 0.035 | 15.48 | 0.035 | 15.45 | 0.035 |
| 10 | 16QAM | 25 | 25 | 15.34 | 0.034 | 15.25 | 0.033 | 15.34 | 0.034 |
| 10 | 16QAM | 50 | 0 | 15.28 | 0.034 | 15.32 | 0.034 | 15.44 | 0.035 |
| 10 | 64QAM | 1 | 0 | 16.38 | 0.043 | 16.46 | 0.044 | 16.36 | 0.043 |
| 10 | 64QAM | 1 | 25 | 16.45 | 0.044 | 16.74 | 0.047 | 16.83 | 0.048 |
| 10 | 64QAM | 1 | 49 | 16.43 | 0.044 | 16.47 | 0.044 | 16.42 | 0.044 |
| 10 | 64QAM | 25 | 0 | 15.27 | 0.034 | 15.41 | 0.035 | 15.40 | 0.035 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | 64QAM | 25 | 12 | 15.36 | 0.034 | 15.47 | 0.035 | 15.51 | 0.036 |
| 10 | 64QAM | 25 | 25 | 15.24 | 0.033 | 15.36 | 0.034 | 15.38 | 0.035 |
| 10 | 64QAM | 50 | 0 | 15.30 | 0.034 | 15.37 | 0.034 | 15.36 | 0.034 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 19975 | | 20175 | | 20375 | |
| Frequency (MHz) | | | | 1712.5 | | 1732.5 | | 1752.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 17.11 | 0.051 | 17.33 | 0.054 | 17.38 | 0.055 |
| 5 | QPSK | 1 | 12 | 17.17 | 0.052 | 17.32 | 0.054 | 17.29 | 0.054 |
| 5 | QPSK | 1 | 24 | 17.12 | 0.052 | 17.24 | 0.053 | 17.23 | 0.053 |
| 5 | QPSK | 12 | 0 | 16.34 | 0.043 | 16.34 | 0.043 | 16.38 | 0.043 |
| 5 | QPSK | 12 | 7 | 16.34 | 0.043 | 16.45 | 0.044 | 16.42 | 0.044 |
| 5 | QPSK | 12 | 13 | 16.29 | 0.043 | 16.46 | 0.044 | 16.38 | 0.043 |
| 5 | QPSK | 25 | 0 | 16.32 | 0.043 | 16.36 | 0.043 | 16.42 | 0.044 |
| 5 | 16QAM | 1 | 0 | 16.36 | 0.043 | 16.77 | 0.048 | 16.45 | 0.044 |
| 5 | 16QAM | 1 | 12 | 16.47 | 0.044 | 16.82 | 0.048 | 16.41 | 0.044 |
| 5 | 16QAM | 1 | 24 | 16.41 | 0.044 | 16.76 | 0.047 | 16.36 | 0.043 |
| 5 | 16QAM | 12 | 0 | 15.40 | 0.035 | 15.34 | 0.034 | 15.37 | 0.034 |
| 5 | 16QAM | 12 | 7 | 15.43 | 0.035 | 15.47 | 0.035 | 15.45 | 0.035 |
| 5 | 16QAM | 12 | 13 | 15.32 | 0.034 | 15.39 | 0.035 | 15.43 | 0.035 |
| 5 | 16QAM | 25 | 0 | 15.33 | 0.034 | 15.44 | 0.035 | 15.37 | 0.034 |
| 5 | 64QAM | 1 | 0 | 16.34 | 0.043 | 16.78 | 0.048 | 16.76 | 0.047 |
| 5 | 64QAM | 1 | 12 | 16.72 | 0.047 | 16.48 | 0.044 | 16.75 | 0.047 |
| 5 | 64QAM | 1 | 24 | 16.68 | 0.047 | 16.38 | 0.043 | 16.45 | 0.044 |
| 5 | 64QAM | 12 | 0 | 15.35 | 0.034 | 15.42 | 0.035 | 15.44 | 0.035 |
| 5 | 64QAM | 12 | 7 | 15.34 | 0.034 | 15.43 | 0.035 | 15.49 | 0.035 |
| 5 | 64QAM | 12 | 13 | 15.35 | 0.034 | 15.41 | 0.035 | 15.40 | 0.035 |
| 5 | 64QAM | 25 | 0 | 15.30 | 0.034 | 15.44 | 0.035 | 15.35 | 0.034 |

| LTE Band4 | Measured EIRP |
|-----------|---------------|
|-----------|---------------|

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| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| Channel | | | | 19965 | | 20175 | | 20385 | |
| Frequency (MHz) | | | | 1711.5 | | 1732.5 | | 1753.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 17.23 | 0.053 | 17.24 | 0.053 | 17.36 | 0.054 |
| 3 | QPSK | 1 | 8 | 17.32 | 0.054 | 17.46 | 0.056 | 17.40 | 0.055 |
| 3 | QPSK | 1 | 14 | 17.12 | 0.052 | 17.31 | 0.054 | 17.31 | 0.054 |
| 3 | QPSK | 8 | 0 | 16.32 | 0.043 | 16.38 | 0.043 | 16.39 | 0.044 |
| 3 | QPSK | 8 | 4 | 16.38 | 0.043 | 16.46 | 0.044 | 16.48 | 0.044 |
| 3 | QPSK | 8 | 7 | 16.34 | 0.043 | 16.44 | 0.044 | 16.44 | 0.044 |
| 3 | QPSK | 15 | 0 | 16.34 | 0.043 | 16.40 | 0.044 | 16.34 | 0.043 |
| 3 | 16QAM | 1 | 0 | 16.56 | 0.045 | 16.65 | 0.046 | 16.69 | 0.047 |
| 3 | 16QAM | 1 | 8 | 16.78 | 0.048 | 16.78 | 0.048 | 16.52 | 0.045 |
| 3 | 16QAM | 1 | 14 | 16.69 | 0.047 | 16.47 | 0.044 | 16.55 | 0.045 |
| 3 | 16QAM | 8 | 0 | 15.36 | 0.034 | 15.49 | 0.035 | 15.36 | 0.034 |
| 3 | 16QAM | 8 | 4 | 15.48 | 0.035 | 15.58 | 0.036 | 15.55 | 0.036 |
| 3 | 16QAM | 8 | 7 | 15.42 | 0.035 | 15.50 | 0.035 | 15.54 | 0.036 |
| 3 | 16QAM | 15 | 0 | 15.42 | 0.035 | 15.40 | 0.035 | 15.47 | 0.035 |
| 3 | 64QAM | 1 | 0 | 16.33 | 0.043 | 16.42 | 0.044 | 16.40 | 0.044 |
| 3 | 64QAM | 1 | 8 | 16.52 | 0.045 | 16.40 | 0.044 | 16.56 | 0.045 |
| 3 | 64QAM | 1 | 14 | 16.33 | 0.043 | 16.40 | 0.044 | 16.23 | 0.042 |
| 3 | 64QAM | 8 | 0 | 15.31 | 0.034 | 15.35 | 0.034 | 15.29 | 0.034 |
| 3 | 64QAM | 8 | 4 | 15.43 | 0.035 | 15.41 | 0.035 | 15.45 | 0.035 |
| 3 | 64QAM | 8 | 7 | 15.37 | 0.034 | 15.44 | 0.035 | 15.56 | 0.036 |
| 3 | 64QAM | 15 | 0 | 15.33 | 0.034 | 15.41 | 0.035 | 15.32 | 0.034 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 19957 | | 20175 | | 20393 | |
| Frequency (MHz) | | | | 1710.7 | | 1732.5 | | 1754.3 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 16.98 | 0.050 | 17.19 | 0.052 | 17.20 | 0.052 |
| 1.4 | QPSK | 1 | 3 | 17.32 | 0.054 | 17.32 | 0.054 | 17.36 | 0.054 |
| 1.4 | QPSK | 1 | 5 | 17.18 | 0.052 | 17.27 | 0.053 | 17.29 | 0.054 |

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| | | | | | | | | | |
|-----|-------|---|---|-------|-------|-------|-------|-------|-------|
| 1.4 | QPSK | 3 | 0 | 17.26 | 0.053 | 17.23 | 0.053 | 17.22 | 0.053 |
| 1.4 | QPSK | 3 | 1 | 17.22 | 0.053 | 17.32 | 0.054 | 17.37 | 0.055 |
| 1.4 | QPSK | 3 | 3 | 17.21 | 0.053 | 17.28 | 0.053 | 17.27 | 0.053 |
| 1.4 | QPSK | 6 | 0 | 16.31 | 0.043 | 16.40 | 0.044 | 16.40 | 0.044 |
| 1.4 | 16QAM | 1 | 0 | 16.28 | 0.042 | 16.75 | 0.047 | 16.41 | 0.044 |
| 1.4 | 16QAM | 1 | 3 | 16.41 | 0.044 | 16.49 | 0.045 | 16.53 | 0.045 |
| 1.4 | 16QAM | 1 | 5 | 16.47 | 0.044 | 16.63 | 0.046 | 16.43 | 0.044 |
| 1.4 | 16QAM | 3 | 0 | 16.29 | 0.043 | 16.33 | 0.043 | 16.24 | 0.042 |
| 1.4 | 16QAM | 3 | 1 | 16.30 | 0.043 | 16.33 | 0.043 | 16.35 | 0.043 |
| 1.4 | 16QAM | 3 | 3 | 16.29 | 0.043 | 16.41 | 0.044 | 16.30 | 0.043 |
| 1.4 | 16QAM | 6 | 0 | 15.46 | 0.035 | 15.27 | 0.034 | 15.40 | 0.035 |
| 1.4 | 64QAM | 1 | 0 | 16.22 | 0.042 | 16.16 | 0.041 | 16.30 | 0.043 |
| 1.4 | 64QAM | 1 | 3 | 16.48 | 0.044 | 16.46 | 0.044 | 16.58 | 0.045 |
| 1.4 | 64QAM | 1 | 5 | 16.39 | 0.044 | 16.35 | 0.043 | 16.19 | 0.042 |
| 1.4 | 64QAM | 3 | 0 | 16.30 | 0.043 | 16.28 | 0.042 | 16.47 | 0.044 |
| 1.4 | 64QAM | 3 | 1 | 16.21 | 0.042 | 16.36 | 0.043 | 16.33 | 0.043 |
| 1.4 | 64QAM | 3 | 3 | 16.27 | 0.042 | 16.44 | 0.044 | 16.32 | 0.043 |
| 1.4 | 64QAM | 6 | 0 | 15.26 | 0.034 | 15.27 | 0.034 | 15.34 | 0.034 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20450 | | 20525 | | 20600 | |
| Frequency (MHz) | | | | 829 | | 836.5 | | 844 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 21.43 | 0.139 | 21.44 | 0.139 | 21.25 | 0.133 |
| 10 | QPSK | 1 | 25 | 21.29 | 0.135 | 21.32 | 0.136 | 21.12 | 0.129 |
| 10 | QPSK | 1 | 49 | 21.21 | 0.132 | 21.33 | 0.136 | 21.01 | 0.126 |
| 10 | QPSK | 25 | 0 | 20.52 | 0.113 | 20.54 | 0.113 | 20.35 | 0.108 |
| 10 | QPSK | 25 | 12 | 20.49 | 0.112 | 20.51 | 0.112 | 20.26 | 0.106 |
| 10 | QPSK | 25 | 25 | 20.49 | 0.112 | 20.40 | 0.110 | 20.23 | 0.105 |
| 10 | QPSK | 50 | 0 | 20.42 | 0.110 | 20.43 | 0.110 | 20.20 | 0.105 |
| 10 | 16QAM | 1 | 0 | 20.59 | 0.115 | 20.78 | 0.120 | 20.49 | 0.112 |
| 10 | 16QAM | 1 | 25 | 20.82 | 0.121 | 20.85 | 0.122 | 20.53 | 0.113 |
| 10 | 16QAM | 1 | 49 | 20.44 | 0.111 | 20.50 | 0.112 | 20.57 | 0.114 |
| 10 | 16QAM | 25 | 0 | 19.53 | 0.090 | 19.54 | 0.090 | 19.36 | 0.086 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | 16QAM | 25 | 12 | 19.47 | 0.089 | 19.55 | 0.090 | 19.17 | 0.083 |
| 10 | 16QAM | 25 | 25 | 19.50 | 0.089 | 19.43 | 0.088 | 19.16 | 0.082 |
| 10 | 16QAM | 50 | 0 | 19.51 | 0.089 | 19.42 | 0.087 | 19.32 | 0.086 |
| 10 | 64QAM | 1 | 0 | 20.60 | 0.115 | 21.05 | 0.127 | 20.63 | 0.116 |
| 10 | 64QAM | 1 | 25 | 20.61 | 0.115 | 20.62 | 0.115 | 20.65 | 0.116 |
| 10 | 64QAM | 1 | 49 | 20.62 | 0.115 | 20.66 | 0.116 | 20.70 | 0.117 |
| 10 | 64QAM | 25 | 0 | 19.44 | 0.088 | 19.55 | 0.090 | 19.22 | 0.084 |
| 10 | 64QAM | 25 | 12 | 19.43 | 0.088 | 19.60 | 0.091 | 19.31 | 0.085 |
| 10 | 64QAM | 25 | 25 | 19.55 | 0.090 | 19.44 | 0.088 | 19.14 | 0.082 |
| 10 | 64QAM | 50 | 0 | 19.51 | 0.089 | 19.47 | 0.089 | 19.33 | 0.086 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20425 | | 20525 | | 20625 | |
| Frequency (MHz) | | | | 826.5 | | 836.5 | | 846.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 21.20 | 0.132 | 21.25 | 0.133 | 21.02 | 0.126 |
| 5 | QPSK | 1 | 12 | 21.28 | 0.134 | 21.39 | 0.138 | 20.89 | 0.123 |
| 5 | QPSK | 1 | 24 | 21.28 | 0.134 | 21.23 | 0.133 | 20.95 | 0.124 |
| 5 | QPSK | 12 | 0 | 20.43 | 0.110 | 20.48 | 0.112 | 20.16 | 0.104 |
| 5 | QPSK | 12 | 7 | 20.50 | 0.112 | 20.51 | 0.112 | 20.24 | 0.106 |
| 5 | QPSK | 12 | 13 | 20.55 | 0.114 | 20.39 | 0.109 | 20.12 | 0.103 |
| 5 | QPSK | 25 | 0 | 20.46 | 0.111 | 20.42 | 0.110 | 20.18 | 0.104 |
| 5 | 16QAM | 1 | 0 | 20.75 | 0.119 | 20.68 | 0.117 | 20.44 | 0.111 |
| 5 | 16QAM | 1 | 12 | 20.45 | 0.111 | 20.67 | 0.117 | 20.43 | 0.110 |
| 5 | 16QAM | 1 | 24 | 20.32 | 0.108 | 20.67 | 0.117 | 20.50 | 0.112 |
| 5 | 16QAM | 12 | 0 | 19.41 | 0.087 | 19.50 | 0.089 | 19.19 | 0.083 |
| 5 | 16QAM | 12 | 7 | 19.48 | 0.089 | 19.51 | 0.089 | 19.19 | 0.083 |
| 5 | 16QAM | 12 | 13 | 19.48 | 0.089 | 19.39 | 0.087 | 19.04 | 0.080 |
| 5 | 16QAM | 25 | 0 | 19.49 | 0.089 | 19.54 | 0.090 | 19.15 | 0.082 |
| 5 | 64QAM | 1 | 0 | 20.56 | 0.114 | 20.21 | 0.105 | 20.55 | 0.114 |
| 5 | 64QAM | 1 | 12 | 20.44 | 0.111 | 20.38 | 0.109 | 20.52 | 0.113 |
| 5 | 64QAM | 1 | 24 | 20.58 | 0.114 | 20.42 | 0.110 | 20.11 | 0.103 |
| 5 | 64QAM | 12 | 0 | 19.30 | 0.085 | 19.44 | 0.088 | 19.04 | 0.080 |
| 5 | 64QAM | 12 | 7 | 19.34 | 0.086 | 19.50 | 0.089 | 19.28 | 0.085 |
| 5 | 64QAM | 12 | 13 | 19.52 | 0.090 | 19.47 | 0.089 | 19.04 | 0.080 |

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| | | | | | | | | | |
|---|-------|----|---|-------|-------|-------|-------|-------|-------|
| 5 | 64QAM | 25 | 0 | 19.40 | 0.087 | 19.47 | 0.089 | 19.08 | 0.081 |
|---|-------|----|---|-------|-------|-------|-------|-------|-------|

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20415 | | 20525 | | 20635 | |
| Frequency (MHz) | | | | 825.5 | | 836.5 | | 847.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 21.07 | 0.128 | 21.38 | 0.137 | 21.09 | 0.129 |
| 3 | QPSK | 1 | 8 | 21.46 | 0.140 | 21.34 | 0.136 | 21.14 | 0.130 |
| 3 | QPSK | 1 | 14 | 21.42 | 0.139 | 21.32 | 0.136 | 21.06 | 0.128 |
| 3 | QPSK | 8 | 0 | 20.36 | 0.109 | 20.49 | 0.112 | 20.11 | 0.103 |
| 3 | QPSK | 8 | 4 | 20.50 | 0.112 | 20.56 | 0.114 | 20.11 | 0.103 |
| 3 | QPSK | 8 | 7 | 20.45 | 0.111 | 20.47 | 0.111 | 20.14 | 0.103 |
| 3 | QPSK | 15 | 0 | 20.43 | 0.110 | 20.49 | 0.112 | 20.08 | 0.102 |
| 3 | 16QAM | 1 | 0 | 20.45 | 0.111 | 20.83 | 0.121 | 20.63 | 0.116 |
| 3 | 16QAM | 1 | 8 | 20.88 | 0.122 | 20.64 | 0.116 | 20.48 | 0.112 |
| 3 | 16QAM | 1 | 14 | 20.82 | 0.121 | 20.69 | 0.117 | 20.44 | 0.111 |
| 3 | 16QAM | 8 | 0 | 19.39 | 0.087 | 19.48 | 0.089 | 19.22 | 0.084 |
| 3 | 16QAM | 8 | 4 | 19.55 | 0.090 | 19.66 | 0.092 | 19.23 | 0.084 |
| 3 | 16QAM | 8 | 7 | 19.47 | 0.089 | 19.53 | 0.090 | 19.27 | 0.085 |
| 3 | 16QAM | 15 | 0 | 19.41 | 0.087 | 19.43 | 0.088 | 18.98 | 0.079 |
| 3 | 64QAM | 1 | 0 | 20.36 | 0.109 | 20.24 | 0.106 | 20.45 | 0.111 |
| 3 | 64QAM | 1 | 8 | 20.24 | 0.106 | 20.48 | 0.112 | 19.99 | 0.100 |
| 3 | 64QAM | 1 | 14 | 20.26 | 0.106 | 20.44 | 0.111 | 20.12 | 0.103 |
| 3 | 64QAM | 8 | 0 | 19.36 | 0.086 | 19.46 | 0.088 | 19.12 | 0.082 |
| 3 | 64QAM | 8 | 4 | 19.58 | 0.091 | 19.42 | 0.087 | 19.05 | 0.080 |
| 3 | 64QAM | 8 | 7 | 19.53 | 0.090 | 19.45 | 0.088 | 19.09 | 0.081 |
| 3 | 64QAM | 15 | 0 | 19.42 | 0.087 | 19.52 | 0.090 | 18.99 | 0.079 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|--|--------------------|--|------------------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20407 | | 20525 | | 20643 | |
| Frequency (MHz) | | | | 824.7 | | 836.5 | | 848.3 | |

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| | | | | dbm | W | dbm | W | dbm | W |
|-----|-------|---|---|-------|-------|-------|-------|-------|-------|
| 1.4 | QPSK | 1 | 0 | 21.28 | 0.134 | 21.35 | 0.136 | 20.86 | 0.122 |
| 1.4 | QPSK | 1 | 3 | 21.41 | 0.138 | 21.42 | 0.139 | 20.98 | 0.125 |
| 1.4 | QPSK | 1 | 5 | 21.30 | 0.135 | 21.24 | 0.133 | 20.92 | 0.124 |
| 1.4 | QPSK | 3 | 0 | 21.31 | 0.135 | 21.37 | 0.137 | 20.90 | 0.123 |
| 1.4 | QPSK | 3 | 1 | 21.37 | 0.137 | 21.42 | 0.139 | 21.06 | 0.128 |
| 1.4 | QPSK | 3 | 3 | 21.38 | 0.137 | 21.40 | 0.138 | 20.97 | 0.125 |
| 1.4 | QPSK | 6 | 0 | 20.41 | 0.110 | 20.40 | 0.110 | 20.05 | 0.101 |
| 1.4 | 16QAM | 1 | 0 | 20.71 | 0.118 | 20.35 | 0.108 | 20.18 | 0.104 |
| 1.4 | 16QAM | 1 | 3 | 20.92 | 0.124 | 20.58 | 0.114 | 20.13 | 0.103 |
| 1.4 | 16QAM | 1 | 5 | 20.73 | 0.118 | 20.41 | 0.110 | 20.13 | 0.103 |
| 1.4 | 16QAM | 3 | 0 | 20.26 | 0.106 | 20.24 | 0.106 | 20.04 | 0.101 |
| 1.4 | 16QAM | 3 | 1 | 20.29 | 0.107 | 20.56 | 0.114 | 20.08 | 0.102 |
| 1.4 | 16QAM | 3 | 3 | 20.37 | 0.109 | 20.48 | 0.112 | 20.02 | 0.100 |
| 1.4 | 16QAM | 6 | 0 | 19.59 | 0.091 | 19.54 | 0.090 | 19.07 | 0.081 |
| 1.4 | 64QAM | 1 | 0 | 20.22 | 0.105 | 20.39 | 0.109 | 20.07 | 0.102 |
| 1.4 | 64QAM | 1 | 3 | 20.53 | 0.113 | 20.54 | 0.113 | 20.15 | 0.104 |
| 1.4 | 64QAM | 1 | 5 | 20.48 | 0.112 | 20.47 | 0.111 | 20.01 | 0.100 |
| 1.4 | 64QAM | 3 | 0 | 20.14 | 0.103 | 20.41 | 0.110 | 20.08 | 0.102 |
| 1.4 | 64QAM | 3 | 1 | 20.42 | 0.110 | 20.36 | 0.109 | 20.03 | 0.101 |
| 1.4 | 64QAM | 3 | 3 | 20.32 | 0.108 | 20.49 | 0.112 | 20.19 | 0.104 |
| 1.4 | 64QAM | 6 | 0 | 19.40 | 0.087 | 19.52 | 0.090 | 19.07 | 0.081 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20850 | | 21100 | | 21350 | |
| Frequency (MHz) | | | | 2510 | | 2535 | | 2560 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 21.09 | 0.129 | 21.13 | 0.130 | 21.16 | 0.131 |
| 20 | QPSK | 1 | 49 | 20.94 | 0.124 | 21.22 | 0.132 | 21.11 | 0.129 |
| 20 | QPSK | 1 | 99 | 21.13 | 0.130 | 21.08 | 0.128 | 21.13 | 0.130 |
| 20 | QPSK | 50 | 0 | 20.52 | 0.113 | 20.53 | 0.113 | 20.51 | 0.112 |
| 20 | QPSK | 50 | 24 | 20.38 | 0.109 | 20.35 | 0.108 | 20.25 | 0.106 |
| 20 | QPSK | 50 | 50 | 20.48 | 0.112 | 20.50 | 0.112 | 20.48 | 0.112 |
| 20 | QPSK | 100 | 0 | 20.43 | 0.110 | 20.45 | 0.111 | 20.42 | 0.110 |

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| | | | | | | | | | |
|----|-------|-----|----|-------|-------|-------|-------|-------|-------|
| 20 | 16QAM | 1 | 0 | 20.04 | 0.101 | 20.14 | 0.103 | 20.32 | 0.108 |
| 20 | 16QAM | 1 | 49 | 20.19 | 0.104 | 20.05 | 0.101 | 20.33 | 0.108 |
| 20 | 16QAM | 1 | 99 | 20.17 | 0.104 | 20.07 | 0.102 | 20.24 | 0.106 |
| 20 | 16QAM | 50 | 0 | 19.23 | 0.084 | 19.33 | 0.086 | 19.26 | 0.084 |
| 20 | 16QAM | 50 | 24 | 19.28 | 0.085 | 19.20 | 0.083 | 19.31 | 0.085 |
| 20 | 16QAM | 50 | 50 | 19.36 | 0.086 | 19.41 | 0.087 | 19.24 | 0.084 |
| 20 | 16QAM | 100 | 0 | 19.24 | 0.084 | 19.36 | 0.086 | 19.34 | 0.086 |
| 20 | 64QAM | 1 | 0 | 20.34 | 0.108 | 20.69 | 0.117 | 19.91 | 0.098 |
| 20 | 64QAM | 1 | 49 | 20.28 | 0.107 | 20.25 | 0.106 | 20.30 | 0.107 |
| 20 | 64QAM | 1 | 99 | 20.26 | 0.106 | 20.31 | 0.107 | 20.22 | 0.105 |
| 20 | 64QAM | 50 | 0 | 19.25 | 0.084 | 19.26 | 0.084 | 19.31 | 0.085 |
| 20 | 64QAM | 50 | 24 | 19.30 | 0.085 | 19.31 | 0.085 | 19.31 | 0.085 |
| 20 | 64QAM | 50 | 50 | 19.34 | 0.086 | 19.41 | 0.087 | 19.26 | 0.084 |
| 20 | 64QAM | 100 | 0 | 19.27 | 0.085 | 19.24 | 0.084 | 19.36 | 0.086 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20825 | | 21100 | | 21375 | |
| Frequency (MHz) | | | | 2507.5 | | 2535 | | 2562.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 15 | QPSK | 1 | 0 | 21.06 | 0.128 | 21.15 | 0.130 | 21.15 | 0.130 |
| 15 | QPSK | 1 | 37 | 21.16 | 0.131 | 21.13 | 0.130 | 21.17 | 0.131 |
| 15 | QPSK | 1 | 74 | 21.10 | 0.129 | 21.17 | 0.131 | 21.17 | 0.131 |
| 15 | QPSK | 36 | 0 | 20.41 | 0.110 | 20.50 | 0.112 | 20.52 | 0.113 |
| 15 | QPSK | 36 | 20 | 20.49 | 0.112 | 20.56 | 0.114 | 20.51 | 0.112 |
| 15 | QPSK | 36 | 39 | 20.52 | 0.113 | 20.55 | 0.114 | 20.59 | 0.115 |
| 15 | QPSK | 75 | 0 | 20.58 | 0.114 | 20.51 | 0.112 | 20.53 | 0.113 |
| 15 | 16QAM | 1 | 0 | 20.54 | 0.113 | 20.65 | 0.116 | 20.72 | 0.118 |
| 15 | 16QAM | 1 | 37 | 20.36 | 0.109 | 20.47 | 0.111 | 20.45 | 0.111 |
| 15 | 16QAM | 1 | 74 | 20.40 | 0.110 | 20.40 | 0.110 | 20.62 | 0.115 |
| 15 | 16QAM | 36 | 0 | 19.24 | 0.084 | 19.35 | 0.086 | 19.37 | 0.086 |
| 15 | 16QAM | 36 | 20 | 19.31 | 0.085 | 19.34 | 0.086 | 19.33 | 0.086 |
| 15 | 16QAM | 36 | 39 | 19.37 | 0.086 | 19.35 | 0.086 | 19.24 | 0.084 |
| 15 | 16QAM | 75 | 0 | 19.32 | 0.086 | 19.40 | 0.087 | 19.32 | 0.086 |
| 15 | 64QAM | 1 | 0 | 20.24 | 0.106 | 20.70 | 0.117 | 20.09 | 0.102 |



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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 15 | 64QAM | 1 | 37 | 20.14 | 0.103 | 20.29 | 0.107 | 20.38 | 0.109 |
| 15 | 64QAM | 1 | 74 | 20.13 | 0.103 | 20.25 | 0.106 | 20.31 | 0.107 |
| 15 | 64QAM | 36 | 0 | 19.23 | 0.084 | 19.31 | 0.085 | 19.30 | 0.085 |
| 15 | 64QAM | 36 | 20 | 19.34 | 0.086 | 19.33 | 0.086 | 19.40 | 0.087 |
| 15 | 64QAM | 36 | 39 | 19.38 | 0.087 | 19.29 | 0.085 | 19.31 | 0.085 |
| 15 | 64QAM | 75 | 0 | 19.23 | 0.084 | 19.33 | 0.086 | 19.28 | 0.085 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20800 | | 21100 | | 21400 | |
| Frequency (MHz) | | | | 2505 | | 2535 | | 2565 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 21.05 | 0.127 | 20.92 | 0.124 | 20.95 | 0.124 |
| 10 | QPSK | 1 | 25 | 21.08 | 0.128 | 20.98 | 0.125 | 21.00 | 0.126 |
| 10 | QPSK | 1 | 49 | 21.01 | 0.126 | 20.98 | 0.125 | 21.00 | 0.126 |
| 10 | QPSK | 25 | 0 | 20.33 | 0.108 | 20.33 | 0.108 | 20.32 | 0.108 |
| 10 | QPSK | 25 | 12 | 20.29 | 0.107 | 20.41 | 0.110 | 20.46 | 0.111 |
| 10 | QPSK | 25 | 25 | 20.22 | 0.105 | 20.40 | 0.110 | 20.40 | 0.110 |
| 10 | QPSK | 50 | 0 | 20.31 | 0.107 | 20.43 | 0.110 | 20.42 | 0.110 |
| 10 | 16QAM | 1 | 0 | 20.16 | 0.104 | 20.34 | 0.108 | 20.19 | 0.104 |
| 10 | 16QAM | 1 | 25 | 20.15 | 0.104 | 20.17 | 0.104 | 20.22 | 0.105 |
| 10 | 16QAM | 1 | 49 | 20.62 | 0.115 | 20.52 | 0.113 | 20.43 | 0.110 |
| 10 | 16QAM | 25 | 0 | 19.11 | 0.081 | 19.18 | 0.083 | 19.26 | 0.084 |
| 10 | 16QAM | 25 | 12 | 19.12 | 0.082 | 19.29 | 0.085 | 19.22 | 0.084 |
| 10 | 16QAM | 25 | 25 | 19.17 | 0.083 | 19.20 | 0.083 | 19.12 | 0.082 |
| 10 | 16QAM | 50 | 0 | 19.20 | 0.083 | 19.29 | 0.085 | 19.14 | 0.082 |
| 10 | 64QAM | 1 | 0 | 20.24 | 0.106 | 20.20 | 0.105 | 20.18 | 0.104 |
| 10 | 64QAM | 1 | 25 | 19.93 | 0.098 | 20.18 | 0.104 | 20.01 | 0.100 |
| 10 | 64QAM | 1 | 49 | 20.04 | 0.101 | 20.28 | 0.107 | 20.09 | 0.102 |
| 10 | 64QAM | 25 | 0 | 19.15 | 0.082 | 19.13 | 0.082 | 19.17 | 0.083 |
| 10 | 64QAM | 25 | 12 | 19.17 | 0.083 | 19.28 | 0.085 | 19.21 | 0.083 |
| 10 | 64QAM | 25 | 25 | 19.10 | 0.081 | 19.00 | 0.079 | 18.99 | 0.079 |
| 10 | 64QAM | 50 | 0 | 19.20 | 0.083 | 19.26 | 0.084 | 19.18 | 0.083 |

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| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20775 | | 21100 | | 21425 | |
| Frequency (MHz) | | | | 2502.5 | | 2535 | | 2567.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 20.88 | 0.122 | 20.93 | 0.124 | 21.06 | 0.128 |
| 5 | QPSK | 1 | 12 | 20.97 | 0.125 | 21.05 | 0.127 | 21.13 | 0.130 |
| 5 | QPSK | 1 | 24 | 21.06 | 0.128 | 21.12 | 0.129 | 21.16 | 0.131 |
| 5 | QPSK | 12 | 0 | 20.29 | 0.107 | 20.37 | 0.109 | 20.29 | 0.107 |
| 5 | QPSK | 12 | 7 | 20.36 | 0.109 | 20.51 | 0.112 | 20.43 | 0.110 |
| 5 | QPSK | 12 | 13 | 20.38 | 0.109 | 20.54 | 0.113 | 20.39 | 0.109 |
| 5 | QPSK | 25 | 0 | 20.39 | 0.109 | 20.40 | 0.110 | 20.35 | 0.108 |
| 5 | 16QAM | 1 | 0 | 20.17 | 0.104 | 20.15 | 0.104 | 20.21 | 0.105 |
| 5 | 16QAM | 1 | 12 | 20.22 | 0.105 | 20.44 | 0.111 | 20.34 | 0.108 |
| 5 | 16QAM | 1 | 24 | 20.28 | 0.107 | 20.47 | 0.111 | 20.29 | 0.107 |
| 5 | 16QAM | 12 | 0 | 19.14 | 0.082 | 19.08 | 0.081 | 19.21 | 0.083 |
| 5 | 16QAM | 12 | 7 | 19.23 | 0.084 | 19.35 | 0.086 | 19.31 | 0.085 |
| 5 | 16QAM | 12 | 13 | 19.33 | 0.086 | 19.39 | 0.087 | 19.22 | 0.084 |
| 5 | 16QAM | 25 | 0 | 19.20 | 0.083 | 19.25 | 0.084 | 19.26 | 0.084 |
| 5 | 64QAM | 1 | 0 | 20.16 | 0.104 | 20.21 | 0.105 | 20.17 | 0.104 |
| 5 | 64QAM | 1 | 12 | 20.21 | 0.105 | 20.33 | 0.108 | 20.21 | 0.105 |
| 5 | 64QAM | 1 | 24 | 20.25 | 0.106 | 20.35 | 0.108 | 20.31 | 0.107 |
| 5 | 64QAM | 12 | 0 | 19.21 | 0.083 | 19.18 | 0.083 | 19.23 | 0.084 |
| 5 | 64QAM | 12 | 7 | 19.30 | 0.085 | 19.35 | 0.086 | 19.14 | 0.082 |
| 5 | 64QAM | 12 | 13 | 19.25 | 0.084 | 19.34 | 0.086 | 19.20 | 0.083 |
| 5 | 64QAM | 25 | 0 | 19.20 | 0.083 | 19.19 | 0.083 | 19.24 | 0.084 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23060 | | 23095 | | 23130 | |
| Frequency (MHz) | | | | 704 | | 707.5 | | 711 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 21.26 | 0.134 | 21.27 | 0.134 | 21.14 | 0.130 |
| 10 | QPSK | 1 | 25 | 21.04 | 0.127 | 21.25 | 0.133 | 21.10 | 0.129 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | QPSK | 1 | 49 | 21.04 | 0.127 | 21.23 | 0.133 | 21.42 | 0.139 |
| 10 | QPSK | 25 | 0 | 20.29 | 0.107 | 20.39 | 0.109 | 20.30 | 0.107 |
| 10 | QPSK | 25 | 12 | 20.38 | 0.109 | 20.33 | 0.108 | 20.39 | 0.109 |
| 10 | QPSK | 25 | 25 | 20.31 | 0.107 | 20.37 | 0.109 | 20.30 | 0.107 |
| 10 | QPSK | 50 | 0 | 20.32 | 0.108 | 20.34 | 0.108 | 20.25 | 0.106 |
| 10 | 16QAM | 1 | 0 | 20.69 | 0.117 | 20.24 | 0.106 | 20.30 | 0.107 |
| 10 | 16QAM | 1 | 25 | 20.84 | 0.121 | 20.39 | 0.109 | 20.71 | 0.118 |
| 10 | 16QAM | 1 | 49 | 20.53 | 0.113 | 20.58 | 0.114 | 20.47 | 0.111 |
| 10 | 16QAM | 25 | 0 | 19.31 | 0.085 | 19.33 | 0.086 | 19.27 | 0.085 |
| 10 | 16QAM | 25 | 12 | 19.35 | 0.086 | 19.39 | 0.087 | 19.28 | 0.085 |
| 10 | 16QAM | 25 | 25 | 19.40 | 0.087 | 19.41 | 0.087 | 19.35 | 0.086 |
| 10 | 16QAM | 50 | 0 | 19.30 | 0.085 | 19.38 | 0.087 | 19.43 | 0.088 |
| 10 | 64QAM | 1 | 0 | 20.23 | 0.105 | 20.35 | 0.108 | 20.69 | 0.117 |
| 10 | 64QAM | 1 | 25 | 20.67 | 0.117 | 20.73 | 0.118 | 20.32 | 0.108 |
| 10 | 64QAM | 1 | 49 | 20.69 | 0.117 | 20.37 | 0.109 | 20.30 | 0.107 |
| 10 | 64QAM | 25 | 0 | 19.31 | 0.085 | 19.25 | 0.084 | 19.22 | 0.084 |
| 10 | 64QAM | 25 | 12 | 19.36 | 0.086 | 19.39 | 0.087 | 19.31 | 0.085 |
| 10 | 64QAM | 25 | 25 | 19.41 | 0.087 | 19.38 | 0.087 | 19.38 | 0.087 |
| 10 | 64QAM | 50 | 0 | 19.33 | 0.086 | 19.26 | 0.084 | 19.37 | 0.086 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23035 | | 23095 | | 23155 | |
| Frequency (MHz) | | | | 701.5 | | 707.5 | | 713.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 21.01 | 0.126 | 21.17 | 0.131 | 21.12 | 0.129 |
| 5 | QPSK | 1 | 12 | 21.17 | 0.131 | 21.33 | 0.136 | 21.17 | 0.131 |
| 5 | QPSK | 1 | 24 | 21.13 | 0.130 | 21.32 | 0.136 | 21.18 | 0.131 |
| 5 | QPSK | 12 | 0 | 20.24 | 0.106 | 20.31 | 0.107 | 20.30 | 0.107 |
| 5 | QPSK | 12 | 7 | 20.35 | 0.108 | 20.37 | 0.109 | 20.34 | 0.108 |
| 5 | QPSK | 12 | 13 | 20.30 | 0.107 | 20.33 | 0.108 | 20.30 | 0.107 |
| 5 | QPSK | 25 | 0 | 20.26 | 0.106 | 20.38 | 0.109 | 20.34 | 0.108 |
| 5 | 16QAM | 1 | 0 | 20.27 | 0.106 | 20.29 | 0.107 | 20.31 | 0.107 |
| 5 | 16QAM | 1 | 12 | 20.44 | 0.111 | 20.39 | 0.109 | 20.40 | 0.110 |
| 5 | 16QAM | 1 | 24 | 20.40 | 0.110 | 20.38 | 0.109 | 20.34 | 0.108 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | 16QAM | 12 | 0 | 19.25 | 0.084 | 19.22 | 0.084 | 19.25 | 0.084 |
| 5 | 16QAM | 12 | 7 | 19.39 | 0.087 | 19.44 | 0.088 | 19.28 | 0.085 |
| 5 | 16QAM | 12 | 13 | 19.34 | 0.086 | 19.31 | 0.085 | 19.36 | 0.086 |
| 5 | 16QAM | 25 | 0 | 19.35 | 0.086 | 19.31 | 0.085 | 19.33 | 0.086 |
| 5 | 64QAM | 1 | 0 | 20.21 | 0.105 | 20.22 | 0.105 | 20.27 | 0.106 |
| 5 | 64QAM | 1 | 12 | 20.66 | 0.116 | 20.36 | 0.109 | 20.29 | 0.107 |
| 5 | 64QAM | 1 | 24 | 20.64 | 0.116 | 20.33 | 0.108 | 20.38 | 0.109 |
| 5 | 64QAM | 12 | 0 | 19.29 | 0.085 | 19.31 | 0.085 | 19.26 | 0.084 |
| 5 | 64QAM | 12 | 7 | 19.39 | 0.087 | 19.27 | 0.085 | 19.33 | 0.086 |
| 5 | 64QAM | 12 | 13 | 19.26 | 0.084 | 19.36 | 0.086 | 19.41 | 0.087 |
| 5 | 64QAM | 25 | 0 | 19.41 | 0.087 | 19.37 | 0.086 | 19.34 | 0.086 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23025 | | 23095 | | 23165 | |
| Frequency (MHz) | | | | 700.5 | | 707.5 | | 714.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 21.09 | 0.129 | 21.18 | 0.131 | 21.03 | 0.127 |
| 3 | QPSK | 1 | 8 | 21.27 | 0.134 | 21.26 | 0.134 | 21.36 | 0.137 |
| 3 | QPSK | 1 | 14 | 21.21 | 0.132 | 21.32 | 0.136 | 21.27 | 0.134 |
| 3 | QPSK | 8 | 0 | 20.32 | 0.108 | 20.30 | 0.107 | 20.30 | 0.107 |
| 3 | QPSK | 8 | 4 | 20.35 | 0.108 | 20.38 | 0.109 | 20.39 | 0.109 |
| 3 | QPSK | 8 | 7 | 20.30 | 0.107 | 20.38 | 0.109 | 20.32 | 0.108 |
| 3 | QPSK | 15 | 0 | 20.29 | 0.107 | 20.37 | 0.109 | 20.23 | 0.105 |
| 3 | 16QAM | 1 | 0 | 20.30 | 0.107 | 20.66 | 0.116 | 20.25 | 0.106 |
| 3 | 16QAM | 1 | 8 | 20.50 | 0.112 | 20.48 | 0.112 | 20.43 | 0.110 |
| 3 | 16QAM | 1 | 14 | 20.33 | 0.108 | 20.38 | 0.109 | 20.85 | 0.122 |
| 3 | 16QAM | 8 | 0 | 19.41 | 0.087 | 19.30 | 0.085 | 19.33 | 0.086 |
| 3 | 16QAM | 8 | 4 | 19.46 | 0.088 | 19.43 | 0.088 | 19.54 | 0.090 |
| 3 | 16QAM | 8 | 7 | 19.30 | 0.085 | 19.33 | 0.086 | 19.39 | 0.087 |
| 3 | 16QAM | 15 | 0 | 19.28 | 0.085 | 19.21 | 0.083 | 19.20 | 0.083 |
| 3 | 64QAM | 1 | 0 | 20.22 | 0.105 | 20.56 | 0.114 | 20.55 | 0.114 |
| 3 | 64QAM | 1 | 8 | 20.79 | 0.120 | 20.79 | 0.120 | 20.70 | 0.117 |
| 3 | 64QAM | 1 | 14 | 20.63 | 0.116 | 20.29 | 0.107 | 20.73 | 0.118 |
| 3 | 64QAM | 8 | 0 | 19.22 | 0.084 | 19.30 | 0.085 | 19.21 | 0.083 |

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| | | | | | | | | | |
|---|-------|----|---|-------|-------|-------|-------|-------|-------|
| 3 | 64QAM | 8 | 4 | 19.31 | 0.085 | 19.35 | 0.086 | 19.34 | 0.086 |
| 3 | 64QAM | 8 | 7 | 19.30 | 0.085 | 19.22 | 0.084 | 19.37 | 0.086 |
| 3 | 64QAM | 15 | 0 | 19.29 | 0.085 | 19.31 | 0.085 | 19.23 | 0.084 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23017 | | 23095 | | 23173 | |
| Frequency (MHz) | | | | 699.7 | | 707.5 | | 715.3 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 21.12 | 0.129 | 21.16 | 0.131 | 21.09 | 0.129 |
| 1.4 | QPSK | 1 | 3 | 21.23 | 0.133 | 21.22 | 0.132 | 21.24 | 0.133 |
| 1.4 | QPSK | 1 | 5 | 21.12 | 0.129 | 21.17 | 0.131 | 21.13 | 0.130 |
| 1.4 | QPSK | 3 | 0 | 21.07 | 0.128 | 21.20 | 0.132 | 21.18 | 0.131 |
| 1.4 | QPSK | 3 | 1 | 21.28 | 0.134 | 21.28 | 0.134 | 21.29 | 0.135 |
| 1.4 | QPSK | 3 | 3 | 21.23 | 0.133 | 21.25 | 0.133 | 21.21 | 0.132 |
| 1.4 | QPSK | 6 | 0 | 20.29 | 0.107 | 20.26 | 0.106 | 20.24 | 0.106 |
| 1.4 | 16QAM | 1 | 0 | 20.33 | 0.108 | 20.27 | 0.106 | 19.96 | 0.099 |
| 1.4 | 16QAM | 1 | 3 | 20.14 | 0.103 | 20.57 | 0.114 | 20.68 | 0.117 |
| 1.4 | 16QAM | 1 | 5 | 20.26 | 0.106 | 20.27 | 0.106 | 20.26 | 0.106 |
| 1.4 | 16QAM | 3 | 0 | 20.10 | 0.102 | 20.13 | 0.103 | 20.14 | 0.103 |
| 1.4 | 16QAM | 3 | 1 | 20.26 | 0.106 | 20.34 | 0.108 | 20.18 | 0.104 |
| 1.4 | 16QAM | 3 | 3 | 20.09 | 0.102 | 20.23 | 0.105 | 20.23 | 0.105 |
| 1.4 | 16QAM | 6 | 0 | 19.25 | 0.084 | 19.26 | 0.084 | 19.28 | 0.085 |
| 1.4 | 64QAM | 1 | 0 | 20.06 | 0.101 | 20.21 | 0.105 | 20.05 | 0.101 |
| 1.4 | 64QAM | 1 | 3 | 20.18 | 0.104 | 20.69 | 0.117 | 20.16 | 0.104 |
| 1.4 | 64QAM | 1 | 5 | 20.34 | 0.108 | 20.37 | 0.109 | 20.33 | 0.108 |
| 1.4 | 64QAM | 3 | 0 | 20.24 | 0.106 | 20.25 | 0.106 | 20.08 | 0.102 |
| 1.4 | 64QAM | 3 | 1 | 20.22 | 0.105 | 20.46 | 0.111 | 20.31 | 0.107 |
| 1.4 | 64QAM | 3 | 3 | 20.24 | 0.106 | 20.08 | 0.102 | 20.24 | 0.106 |
| 1.4 | 64QAM | 6 | 0 | 19.31 | 0.085 | 19.32 | 0.086 | 19.19 | 0.083 |

| LTE Band 17 | | | | Measured ERP | | | | | |
|-------------|--|--|--|--------------|--|--|--|--|--|
|-------------|--|--|--|--------------|--|--|--|--|--|

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| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| Channel | | | | 23780 | | 23790 | | 23800 | |
| Frequency (MHz) | | | | 709 | | 710 | | 711 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 20.98 | 0.125 | 21.06 | 0.128 | 20.92 | 0.124 |
| 10 | QPSK | 1 | 25 | 21.18 | 0.131 | 21.04 | 0.127 | 21.17 | 0.131 |
| 10 | QPSK | 1 | 49 | 21.01 | 0.126 | 20.94 | 0.124 | 21.10 | 0.129 |
| 10 | QPSK | 25 | 0 | 20.01 | 0.100 | 19.96 | 0.099 | 19.97 | 0.099 |
| 10 | QPSK | 25 | 12 | 20.21 | 0.105 | 20.15 | 0.104 | 20.13 | 0.103 |
| 10 | QPSK | 25 | 25 | 19.99 | 0.100 | 19.93 | 0.098 | 19.94 | 0.099 |
| 10 | QPSK | 50 | 0 | 19.97 | 0.099 | 19.92 | 0.098 | 20.05 | 0.101 |
| 10 | 16QAM | 1 | 0 | 20.63 | 0.116 | 20.35 | 0.108 | 20.34 | 0.108 |
| 10 | 16QAM | 1 | 25 | 20.26 | 0.106 | 20.32 | 0.108 | 20.24 | 0.106 |
| 10 | 16QAM | 1 | 49 | 20.15 | 0.104 | 19.90 | 0.098 | 19.96 | 0.099 |
| 10 | 16QAM | 25 | 0 | 18.95 | 0.079 | 18.93 | 0.078 | 18.93 | 0.078 |
| 10 | 16QAM | 25 | 12 | 19.09 | 0.081 | 19.15 | 0.082 | 19.19 | 0.083 |
| 10 | 16QAM | 25 | 25 | 18.94 | 0.078 | 18.97 | 0.079 | 19.06 | 0.081 |
| 10 | 16QAM | 50 | 0 | 18.86 | 0.077 | 18.87 | 0.077 | 18.95 | 0.079 |
| 10 | 64QAM | 1 | 0 | 20.56 | 0.114 | 20.22 | 0.105 | 20.25 | 0.106 |
| 10 | 64QAM | 1 | 25 | 20.30 | 0.107 | 20.28 | 0.107 | 19.97 | 0.099 |
| 10 | 64QAM | 1 | 49 | 20.24 | 0.106 | 20.24 | 0.106 | 20.25 | 0.106 |
| 10 | 64QAM | 25 | 0 | 18.88 | 0.077 | 18.88 | 0.077 | 18.96 | 0.079 |
| 10 | 64QAM | 25 | 12 | 19.21 | 0.083 | 19.12 | 0.082 | 19.20 | 0.083 |
| 10 | 64QAM | 25 | 25 | 18.93 | 0.078 | 18.78 | 0.076 | 18.82 | 0.076 |
| 10 | 64QAM | 50 | 0 | 18.88 | 0.077 | 19.00 | 0.079 | 18.94 | 0.078 |

| LTE Band 17 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23035 | | 23790 | | 23155 | |
| Frequency (MHz) | | | | 706.5 | | 710 | | 713.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 21.99 | 0.158 | 22.04 | 0.160 | 21.81 | 0.152 |
| 5 | QPSK | 1 | 12 | 22.07 | 0.161 | 22.18 | 0.165 | 21.68 | 0.147 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | QPSK | 1 | 24 | 22.07 | 0.161 | 22.02 | 0.159 | 21.74 | 0.149 |
| 5 | QPSK | 12 | 0 | 21.22 | 0.132 | 21.27 | 0.134 | 20.95 | 0.124 |
| 5 | QPSK | 12 | 7 | 21.29 | 0.135 | 21.3 | 0.135 | 21.03 | 0.127 |
| 5 | QPSK | 12 | 13 | 21.34 | 0.136 | 21.18 | 0.131 | 20.91 | 0.123 |
| 5 | QPSK | 25 | 0 | 21.25 | 0.133 | 21.21 | 0.132 | 20.97 | 0.125 |
| 5 | 16QAM | 1 | 0 | 21.54 | 0.143 | 21.47 | 0.140 | 21.23 | 0.133 |
| 5 | 16QAM | 1 | 12 | 21.24 | 0.133 | 21.46 | 0.140 | 21.22 | 0.132 |
| 5 | 16QAM | 1 | 24 | 21.11 | 0.129 | 21.46 | 0.140 | 21.29 | 0.135 |
| 5 | 16QAM | 12 | 0 | 20.2 | 0.105 | 20.29 | 0.107 | 19.98 | 0.100 |
| 5 | 16QAM | 12 | 7 | 20.27 | 0.106 | 20.3 | 0.107 | 19.98 | 0.100 |
| 5 | 16QAM | 12 | 13 | 20.27 | 0.106 | 20.18 | 0.104 | 19.83 | 0.096 |
| 5 | 16QAM | 25 | 0 | 20.28 | 0.107 | 20.33 | 0.108 | 19.94 | 0.099 |
| 5 | 64QAM | 1 | 0 | 21.35 | 0.136 | 21 | 0.126 | 21.34 | 0.136 |
| 5 | 64QAM | 1 | 12 | 21.23 | 0.133 | 21.17 | 0.131 | 21.31 | 0.135 |
| 5 | 64QAM | 1 | 24 | 21.37 | 0.137 | 21.21 | 0.132 | 20.9 | 0.123 |
| 5 | 64QAM | 12 | 0 | 20.09 | 0.102 | 20.23 | 0.105 | 19.83 | 0.096 |
| 5 | 64QAM | 12 | 7 | 20.13 | 0.103 | 20.29 | 0.107 | 20.07 | 0.102 |
| 5 | 64QAM | 12 | 13 | 20.31 | 0.107 | 20.26 | 0.106 | 19.83 | 0.096 |
| 5 | 64QAM | 25 | 0 | 20.19 | 0.104 | 20.26 | 0.106 | 19.87 | 0.097 |

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Bottom Antenna

| LTE Band2 | | | | Measured EIRP | | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | | |
| Channel | | | | 18700 | | 18900 | | 19100 | | |
| Frequency (MHz) | | | | 1860 | | 1880 | | 1900 | | |
| | | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 20.76 | 0.119 | 20.78 | 0.120 | 20.79 | 0.120 | |
| 20 | QPSK | 1 | 49 | 20.71 | 0.118 | 20.74 | 0.119 | 20.85 | 0.122 | |
| 20 | QPSK | 1 | 99 | 20.82 | 0.121 | 20.98 | 0.125 | 21.02 | 0.126 | |
| 20 | QPSK | 50 | 0 | 19.93 | 0.098 | 19.95 | 0.099 | 19.95 | 0.099 | |
| 20 | QPSK | 50 | 24 | 19.94 | 0.099 | 19.99 | 0.100 | 19.99 | 0.100 | |
| 20 | QPSK | 50 | 50 | 19.99 | 0.100 | 20.10 | 0.102 | 20.11 | 0.103 | |
| 20 | QPSK | 100 | 0 | 19.92 | 0.098 | 20.01 | 0.100 | 19.97 | 0.099 | |
| 20 | 16QAM | 1 | 0 | 19.98 | 0.100 | 19.98 | 0.100 | 20.00 | 0.100 | |
| 20 | 16QAM | 1 | 49 | 20.33 | 0.108 | 20.12 | 0.103 | 20.08 | 0.102 | |
| 20 | 16QAM | 1 | 99 | 20.07 | 0.102 | 20.23 | 0.105 | 20.32 | 0.108 | |
| 20 | 16QAM | 50 | 0 | 20.00 | 0.100 | 19.97 | 0.099 | 19.95 | 0.099 | |
| 20 | 16QAM | 50 | 24 | 19.96 | 0.099 | 20.01 | 0.100 | 20.02 | 0.100 | |
| 20 | 16QAM | 50 | 50 | 20.04 | 0.101 | 20.01 | 0.100 | 20.08 | 0.102 | |
| 20 | 16QAM | 100 | 0 | 20.07 | 0.102 | 20.08 | 0.102 | 19.95 | 0.099 | |
| 20 | 64QAM | 1 | 0 | 19.94 | 0.099 | 20.13 | 0.103 | 19.87 | 0.097 | |
| 20 | 64QAM | 1 | 49 | 19.89 | 0.097 | 20.07 | 0.102 | 19.98 | 0.100 | |
| 20 | 64QAM | 1 | 99 | 20.33 | 0.108 | 20.17 | 0.104 | 20.17 | 0.104 | |
| 20 | 64QAM | 50 | 0 | 19.02 | 0.080 | 18.94 | 0.078 | 18.99 | 0.079 | |
| 20 | 64QAM | 50 | 24 | 19.05 | 0.080 | 18.99 | 0.079 | 19.04 | 0.080 | |
| 20 | 64QAM | 50 | 50 | 19.04 | 0.080 | 19.05 | 0.080 | 18.99 | 0.079 | |
| 20 | 64QAM | 100 | 0 | 19.04 | 0.080 | 19.01 | 0.080 | 19.02 | 0.080 | |

| LTE Band2 | | | | Measured EIRP | | | | | | |
|-----------------|------------|---------|-----------|-----------------|-----|--------------------|-----|------------------|-----|---|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | | |
| Channel | | | | 18675 | | 18900 | | 19125 | | |
| Frequency (MHz) | | | | 1857.5 | | 1880 | | 1902.5 | | |
| | | | | | dbm | W | dbm | W | dbm | W |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 15 | QPSK | 1 | 0 | 20.79 | 0.120 | 20.82 | 0.121 | 20.73 | 0.118 |
| 15 | QPSK | 1 | 37 | 20.58 | 0.114 | 20.94 | 0.124 | 20.82 | 0.121 |
| 15 | QPSK | 1 | 74 | 20.95 | 0.124 | 20.87 | 0.122 | 20.95 | 0.124 |
| 15 | QPSK | 36 | 0 | 19.91 | 0.098 | 20.00 | 0.100 | 19.99 | 0.100 |
| 15 | QPSK | 36 | 20 | 19.90 | 0.098 | 20.09 | 0.102 | 20.06 | 0.101 |
| 15 | QPSK | 36 | 39 | 20.02 | 0.100 | 20.03 | 0.101 | 20.00 | 0.100 |
| 15 | QPSK | 75 | 0 | 19.94 | 0.099 | 20.00 | 0.100 | 19.96 | 0.099 |
| 15 | 16QAM | 1 | 0 | 20.03 | 0.101 | 20.11 | 0.103 | 20.05 | 0.101 |
| 15 | 16QAM | 1 | 37 | 20.16 | 0.104 | 20.19 | 0.104 | 20.05 | 0.101 |
| 15 | 16QAM | 1 | 74 | 20.11 | 0.103 | 20.23 | 0.105 | 20.23 | 0.105 |
| 15 | 16QAM | 36 | 0 | 19.90 | 0.098 | 19.95 | 0.099 | 19.98 | 0.100 |
| 15 | 16QAM | 36 | 20 | 19.99 | 0.100 | 19.92 | 0.098 | 20.05 | 0.101 |
| 15 | 16QAM | 36 | 39 | 20.04 | 0.101 | 20.13 | 0.103 | 20.10 | 0.102 |
| 15 | 16QAM | 75 | 0 | 19.91 | 0.098 | 19.93 | 0.098 | 20.02 | 0.100 |
| 15 | 64QAM | 1 | 0 | 20.11 | 0.103 | 19.87 | 0.097 | 19.93 | 0.098 |
| 15 | 64QAM | 1 | 37 | 20.10 | 0.102 | 19.91 | 0.098 | 20.33 | 0.108 |
| 15 | 64QAM | 1 | 74 | 19.99 | 0.100 | 20.03 | 0.101 | 20.18 | 0.104 |
| 15 | 64QAM | 36 | 0 | 18.84 | 0.077 | 19.01 | 0.080 | 18.89 | 0.077 |
| 15 | 64QAM | 36 | 20 | 19.04 | 0.080 | 19.06 | 0.081 | 18.96 | 0.079 |
| 15 | 64QAM | 36 | 39 | 18.92 | 0.078 | 18.97 | 0.079 | 19.06 | 0.081 |
| 15 | 64QAM | 75 | 0 | 18.91 | 0.078 | 18.98 | 0.079 | 18.97 | 0.079 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18650 | | 18900 | | 19150 | |
| Frequency (MHz) | | | | 1855 | | 1880 | | 1905 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 20.64 | 0.116 | 20.63 | 0.116 | 20.73 | 0.118 |
| 10 | QPSK | 1 | 25 | 20.75 | 0.119 | 20.85 | 0.122 | 20.73 | 0.118 |
| 10 | QPSK | 1 | 49 | 20.64 | 0.116 | 20.72 | 0.118 | 20.64 | 0.116 |
| 10 | QPSK | 25 | 0 | 19.90 | 0.098 | 19.91 | 0.098 | 19.87 | 0.097 |
| 10 | QPSK | 25 | 12 | 19.86 | 0.097 | 19.98 | 0.100 | 19.91 | 0.098 |
| 10 | QPSK | 25 | 25 | 19.77 | 0.095 | 19.90 | 0.098 | 19.86 | 0.097 |
| 10 | QPSK | 50 | 0 | 19.83 | 0.096 | 19.92 | 0.098 | 19.90 | 0.098 |
| 10 | 16QAM | 1 | 0 | 20.31 | 0.107 | 20.24 | 0.106 | 20.23 | 0.105 |
| 10 | 16QAM | 1 | 25 | 20.00 | 0.100 | 19.96 | 0.099 | 20.03 | 0.101 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | 16QAM | 1 | 49 | 19.95 | 0.099 | 20.03 | 0.101 | 20.24 | 0.106 |
| 10 | 16QAM | 25 | 0 | 18.79 | 0.076 | 18.83 | 0.076 | 18.89 | 0.077 |
| 10 | 16QAM | 25 | 12 | 18.97 | 0.079 | 18.93 | 0.078 | 18.92 | 0.078 |
| 10 | 16QAM | 25 | 25 | 18.92 | 0.078 | 18.88 | 0.077 | 18.87 | 0.077 |
| 10 | 16QAM | 50 | 0 | 18.88 | 0.077 | 18.81 | 0.076 | 18.85 | 0.077 |
| 10 | 64QAM | 1 | 0 | 19.89 | 0.097 | 19.94 | 0.099 | 19.94 | 0.099 |
| 10 | 64QAM | 1 | 25 | 19.92 | 0.098 | 19.97 | 0.099 | 20.01 | 0.100 |
| 10 | 64QAM | 1 | 49 | 19.59 | 0.091 | 19.72 | 0.094 | 19.69 | 0.093 |
| 10 | 64QAM | 25 | 0 | 18.89 | 0.077 | 18.93 | 0.078 | 18.94 | 0.078 |
| 10 | 64QAM | 25 | 12 | 18.92 | 0.078 | 18.90 | 0.078 | 18.91 | 0.078 |
| 10 | 64QAM | 25 | 25 | 18.85 | 0.077 | 18.63 | 0.073 | 18.85 | 0.077 |
| 10 | 64QAM | 50 | 0 | 18.86 | 0.077 | 18.86 | 0.077 | 18.83 | 0.076 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18625 | | 18900 | | 19175 | |
| Frequency (MHz) | | | | 1852.5 | | 1880 | | 1907.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 20.78 | 0.120 | 20.83 | 0.121 | 20.77 | 0.119 |
| 5 | QPSK | 1 | 12 | 20.77 | 0.119 | 20.88 | 0.122 | 20.75 | 0.119 |
| 5 | QPSK | 1 | 24 | 20.73 | 0.118 | 20.89 | 0.123 | 20.82 | 0.121 |
| 5 | QPSK | 12 | 0 | 19.89 | 0.097 | 19.80 | 0.095 | 19.87 | 0.097 |
| 5 | QPSK | 12 | 7 | 19.90 | 0.098 | 19.95 | 0.099 | 19.87 | 0.097 |
| 5 | QPSK | 12 | 13 | 19.89 | 0.097 | 19.88 | 0.097 | 19.91 | 0.098 |
| 5 | QPSK | 25 | 0 | 19.88 | 0.097 | 19.86 | 0.097 | 19.88 | 0.097 |
| 5 | 16QAM | 1 | 0 | 20.01 | 0.100 | 19.91 | 0.098 | 20.29 | 0.107 |
| 5 | 16QAM | 1 | 12 | 19.99 | 0.100 | 19.92 | 0.098 | 20.29 | 0.107 |
| 5 | 16QAM | 1 | 24 | 20.02 | 0.100 | 19.89 | 0.097 | 20.28 | 0.107 |
| 5 | 16QAM | 12 | 0 | 18.87 | 0.077 | 18.75 | 0.075 | 18.85 | 0.077 |
| 5 | 16QAM | 12 | 7 | 18.94 | 0.078 | 18.96 | 0.079 | 18.90 | 0.078 |
| 5 | 16QAM | 12 | 13 | 18.97 | 0.079 | 18.86 | 0.077 | 18.81 | 0.076 |
| 5 | 16QAM | 25 | 0 | 18.89 | 0.077 | 18.87 | 0.077 | 18.85 | 0.077 |
| 5 | 64QAM | 1 | 0 | 20.28 | 0.107 | 19.83 | 0.096 | 19.88 | 0.097 |
| 5 | 64QAM | 1 | 12 | 20.27 | 0.106 | 19.93 | 0.098 | 20.04 | 0.101 |
| 5 | 64QAM | 1 | 24 | 20.28 | 0.107 | 19.92 | 0.098 | 19.94 | 0.099 |
| 5 | 64QAM | 12 | 0 | 18.93 | 0.078 | 18.86 | 0.077 | 18.85 | 0.077 |

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REPORT No.: SZ19070119W08

| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | 64QAM | 12 | 7 | 18.99 | 0.079 | 18.83 | 0.076 | 18.83 | 0.076 |
| 5 | 64QAM | 12 | 13 | 18.96 | 0.079 | 18.92 | 0.078 | 18.90 | 0.078 |
| 5 | 64QAM | 25 | 0 | 19.03 | 0.080 | 18.83 | 0.076 | 18.90 | 0.078 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18615 | | 18900 | | 19185 | |
| Frequency (MHz) | | | | 1851.5 | | 1880 | | 1908.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 20.83 | 0.121 | 20.61 | 0.115 | 20.73 | 0.118 |
| 3 | QPSK | 1 | 8 | 20.76 | 0.119 | 20.97 | 0.125 | 20.80 | 0.120 |
| 3 | QPSK | 1 | 14 | 20.95 | 0.124 | 20.82 | 0.121 | 20.82 | 0.121 |
| 3 | QPSK | 8 | 0 | 19.89 | 0.097 | 19.84 | 0.096 | 19.86 | 0.097 |
| 3 | QPSK | 8 | 4 | 19.95 | 0.099 | 19.89 | 0.097 | 19.90 | 0.098 |
| 3 | QPSK | 8 | 7 | 19.95 | 0.099 | 19.89 | 0.097 | 19.85 | 0.097 |
| 3 | QPSK | 15 | 0 | 19.87 | 0.097 | 19.95 | 0.099 | 19.88 | 0.097 |
| 3 | 16QAM | 1 | 0 | 20.03 | 0.101 | 19.94 | 0.099 | 19.88 | 0.097 |
| 3 | 16QAM | 1 | 8 | 20.07 | 0.102 | 20.01 | 0.100 | 19.97 | 0.099 |
| 3 | 16QAM | 1 | 14 | 20.00 | 0.100 | 19.97 | 0.099 | 20.32 | 0.108 |
| 3 | 16QAM | 8 | 0 | 18.93 | 0.078 | 19.06 | 0.081 | 18.98 | 0.079 |
| 3 | 16QAM | 8 | 4 | 19.00 | 0.079 | 18.97 | 0.079 | 19.03 | 0.080 |
| 3 | 16QAM | 8 | 7 | 18.90 | 0.078 | 18.95 | 0.079 | 18.98 | 0.079 |
| 3 | 16QAM | 15 | 0 | 18.93 | 0.078 | 18.97 | 0.079 | 18.92 | 0.078 |
| 3 | 64QAM | 1 | 0 | 19.96 | 0.099 | 19.89 | 0.097 | 19.92 | 0.098 |
| 3 | 64QAM | 1 | 8 | 20.38 | 0.109 | 20.37 | 0.109 | 19.97 | 0.099 |
| 3 | 64QAM | 1 | 14 | 19.99 | 0.100 | 20.35 | 0.108 | 19.99 | 0.100 |
| 3 | 64QAM | 8 | 0 | 18.91 | 0.078 | 18.93 | 0.078 | 18.77 | 0.075 |
| 3 | 64QAM | 8 | 4 | 19.01 | 0.080 | 18.91 | 0.078 | 18.91 | 0.078 |
| 3 | 64QAM | 8 | 7 | 19.11 | 0.081 | 19.00 | 0.079 | 18.86 | 0.077 |
| 3 | 64QAM | 15 | 0 | 18.96 | 0.079 | 18.96 | 0.079 | 18.94 | 0.078 |

| LTE Band2 | | | | Measured EIRP | | | | | |
|-----------|------------|---------|-----------|-----------------|--|--------------------|--|------------------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 18607 | | 18900 | | 19193 | |

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| Frequency (MHz) | | | | 1850.7 | | 1880 | | 1909.3 | |
|-----------------|-------|---|---|--------|-------|-------|-------|--------|-------|
| | | | | dbm | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 20.70 | 0.117 | 20.72 | 0.118 | 20.68 | 0.117 |
| 1.4 | QPSK | 1 | 3 | 20.80 | 0.120 | 20.78 | 0.120 | 20.77 | 0.119 |
| 1.4 | QPSK | 1 | 5 | 20.77 | 0.119 | 20.75 | 0.119 | 20.73 | 0.118 |
| 1.4 | QPSK | 3 | 0 | 20.76 | 0.119 | 20.76 | 0.119 | 20.72 | 0.118 |
| 1.4 | QPSK | 3 | 1 | 20.80 | 0.120 | 20.77 | 0.119 | 20.75 | 0.119 |
| 1.4 | QPSK | 3 | 3 | 20.82 | 0.121 | 20.86 | 0.122 | 20.75 | 0.119 |
| 1.4 | QPSK | 6 | 0 | 19.85 | 0.097 | 19.83 | 0.096 | 19.82 | 0.096 |
| 1.4 | 16QAM | 1 | 0 | 19.88 | 0.097 | 19.88 | 0.097 | 19.82 | 0.096 |
| 1.4 | 16QAM | 1 | 3 | 19.84 | 0.096 | 20.04 | 0.101 | 20.02 | 0.100 |
| 1.4 | 16QAM | 1 | 5 | 19.72 | 0.094 | 19.92 | 0.098 | 19.60 | 0.091 |
| 1.4 | 16QAM | 3 | 0 | 19.74 | 0.094 | 19.79 | 0.095 | 19.76 | 0.095 |
| 1.4 | 16QAM | 3 | 1 | 19.92 | 0.098 | 19.74 | 0.094 | 19.79 | 0.095 |
| 1.4 | 16QAM | 3 | 3 | 19.94 | 0.099 | 19.91 | 0.098 | 19.65 | 0.092 |
| 1.4 | 16QAM | 6 | 0 | 18.99 | 0.079 | 18.88 | 0.077 | 18.80 | 0.076 |
| 1.4 | 64QAM | 1 | 0 | 19.83 | 0.096 | 19.75 | 0.094 | 19.78 | 0.095 |
| 1.4 | 64QAM | 1 | 3 | 19.85 | 0.097 | 20.06 | 0.101 | 19.94 | 0.099 |
| 1.4 | 64QAM | 1 | 5 | 19.83 | 0.096 | 20.18 | 0.104 | 19.77 | 0.095 |
| 1.4 | 64QAM | 3 | 0 | 19.86 | 0.097 | 19.92 | 0.098 | 19.93 | 0.098 |
| 1.4 | 64QAM | 3 | 1 | 19.95 | 0.099 | 19.92 | 0.098 | 19.66 | 0.092 |
| 1.4 | 64QAM | 3 | 3 | 19.87 | 0.097 | 20.01 | 0.100 | 19.78 | 0.095 |
| 1.4 | 64QAM | 6 | 0 | 18.87 | 0.077 | 18.88 | 0.077 | 18.77 | 0.075 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20050 | | 20175 | | 20300 | |
| Frequency (MHz) | | | | 1720 | | 1732.5 | | 1745 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 20.66 | 0.116 | 20.64 | 0.116 | 20.78 | 0.120 |
| 20 | QPSK | 1 | 49 | 20.52 | 0.113 | 20.6 | 0.115 | 20.73 | 0.118 |
| 20 | QPSK | 1 | 99 | 20.44 | 0.111 | 20.57 | 0.114 | 20.69 | 0.117 |
| 20 | QPSK | 50 | 0 | 19.73 | 0.094 | 19.84 | 0.096 | 19.83 | 0.096 |
| 20 | QPSK | 50 | 24 | 19.73 | 0.094 | 19.81 | 0.096 | 19.81 | 0.096 |
| 20 | QPSK | 50 | 50 | 19.62 | 0.092 | 19.73 | 0.094 | 19.86 | 0.097 |

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| | | | | | | | | | |
|----|-------|-----|----|-------|-------|-------|-------|-------|-------|
| 20 | QPSK | 100 | 0 | 19.72 | 0.094 | 19.76 | 0.095 | 19.83 | 0.096 |
| 20 | 16QAM | 1 | 0 | 19.91 | 0.098 | 19.99 | 0.100 | 19.88 | 0.097 |
| 20 | 16QAM | 1 | 49 | 20.06 | 0.101 | 19.83 | 0.096 | 19.97 | 0.099 |
| 20 | 16QAM | 1 | 99 | 19.85 | 0.097 | 20.07 | 0.102 | 19.83 | 0.096 |
| 20 | 16QAM | 50 | 0 | 18.78 | 0.076 | 18.83 | 0.076 | 18.93 | 0.078 |
| 20 | 16QAM | 50 | 24 | 18.74 | 0.075 | 18.85 | 0.077 | 18.74 | 0.075 |
| 20 | 16QAM | 50 | 50 | 18.7 | 0.074 | 18.71 | 0.074 | 18.71 | 0.074 |
| 20 | 16QAM | 100 | 0 | 18.72 | 0.074 | 18.8 | 0.076 | 18.81 | 0.076 |
| 20 | 64QAM | 1 | 0 | 19.7 | 0.093 | 19.81 | 0.096 | 20.03 | 0.101 |
| 20 | 64QAM | 1 | 49 | 19.74 | 0.094 | 19.67 | 0.093 | 19.55 | 0.090 |
| 20 | 64QAM | 1 | 99 | 20.01 | 0.100 | 19.58 | 0.091 | 20.05 | 0.101 |
| 20 | 64QAM | 50 | 0 | 18.71 | 0.074 | 18.8 | 0.076 | 18.75 | 0.075 |
| 20 | 64QAM | 50 | 24 | 18.73 | 0.075 | 18.84 | 0.077 | 18.78 | 0.076 |
| 20 | 64QAM | 50 | 50 | 18.77 | 0.075 | 18.72 | 0.074 | 18.74 | 0.075 |
| 20 | 64QAM | 100 | 0 | 18.8 | 0.076 | 18.78 | 0.076 | 18.87 | 0.077 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20025 | | 20175 | | 20325 | |
| Frequency (MHz) | | | | 1717.5 | | 1732.5 | | 1747.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 15 | QPSK | 1 | 0 | 20.53 | 0.113 | 20.57 | 0.114 | 20.67 | 0.117 |
| 15 | QPSK | 1 | 37 | 20.57 | 0.114 | 20.66 | 0.116 | 20.58 | 0.114 |
| 15 | QPSK | 1 | 74 | 20.44 | 0.111 | 20.66 | 0.116 | 20.69 | 0.117 |
| 15 | QPSK | 36 | 0 | 19.67 | 0.093 | 19.74 | 0.094 | 19.77 | 0.095 |
| 15 | QPSK | 36 | 20 | 19.71 | 0.094 | 19.84 | 0.096 | 19.8 | 0.095 |
| 15 | QPSK | 36 | 39 | 19.76 | 0.095 | 19.75 | 0.094 | 19.84 | 0.096 |
| 15 | QPSK | 75 | 0 | 19.71 | 0.094 | 19.73 | 0.094 | 19.74 | 0.094 |
| 15 | 16QAM | 1 | 0 | 19.79 | 0.095 | 20.01 | 0.100 | 19.73 | 0.094 |
| 15 | 16QAM | 1 | 37 | 19.87 | 0.097 | 19.87 | 0.097 | 19.71 | 0.094 |
| 15 | 16QAM | 1 | 74 | 19.73 | 0.094 | 20.03 | 0.101 | 19.99 | 0.100 |
| 15 | 16QAM | 36 | 0 | 18.74 | 0.075 | 18.76 | 0.075 | 18.82 | 0.076 |
| 15 | 16QAM | 36 | 20 | 18.69 | 0.074 | 18.76 | 0.075 | 18.82 | 0.076 |
| 15 | 16QAM | 36 | 39 | 18.65 | 0.073 | 18.74 | 0.075 | 18.8 | 0.076 |
| 15 | 16QAM | 75 | 0 | 18.76 | 0.075 | 18.77 | 0.075 | 18.86 | 0.077 |



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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 15 | 64QAM | 1 | 0 | 19.57 | 0.091 | 19.88 | 0.097 | 19.93 | 0.098 |
| 15 | 64QAM | 1 | 37 | 19.99 | 0.100 | 19.75 | 0.094 | 19.81 | 0.096 |
| 15 | 64QAM | 1 | 74 | 20.03 | 0.101 | 19.74 | 0.094 | 19.78 | 0.095 |
| 15 | 64QAM | 36 | 0 | 18.68 | 0.074 | 18.75 | 0.075 | 18.79 | 0.076 |
| 15 | 64QAM | 36 | 20 | 18.74 | 0.075 | 18.76 | 0.075 | 18.78 | 0.076 |
| 15 | 64QAM | 36 | 39 | 18.77 | 0.075 | 18.73 | 0.075 | 18.75 | 0.075 |
| 15 | 64QAM | 75 | 0 | 18.70 | 0.074 | 18.81 | 0.076 | 18.74 | 0.075 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20000 | | 20175 | | 20350 | |
| Frequency (MHz) | | | | 1715 | | 1732.5 | | 1750 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 20.45 | 0.111 | 20.64 | 0.116 | 20.47 | 0.111 |
| 10 | QPSK | 1 | 25 | 20.43 | 0.110 | 20.56 | 0.114 | 20.57 | 0.114 |
| 10 | QPSK | 1 | 49 | 20.51 | 0.112 | 20.34 | 0.108 | 20.57 | 0.114 |
| 10 | QPSK | 25 | 0 | 19.50 | 0.089 | 19.72 | 0.094 | 19.74 | 0.094 |
| 10 | QPSK | 25 | 12 | 19.62 | 0.092 | 19.68 | 0.093 | 19.72 | 0.094 |
| 10 | QPSK | 25 | 25 | 19.51 | 0.089 | 19.62 | 0.092 | 19.69 | 0.093 |
| 10 | QPSK | 50 | 0 | 19.57 | 0.091 | 19.67 | 0.093 | 19.59 | 0.091 |
| 10 | 16QAM | 1 | 0 | 19.7 | 0.093 | 19.85 | 0.097 | 19.61 | 0.091 |
| 10 | 16QAM | 1 | 25 | 19.97 | 0.099 | 19.71 | 0.094 | 20.03 | 0.101 |
| 10 | 16QAM | 1 | 49 | 20.04 | 0.101 | 19.94 | 0.099 | 19.93 | 0.098 |
| 10 | 16QAM | 25 | 0 | 18.70 | 0.074 | 18.69 | 0.074 | 18.68 | 0.074 |
| 10 | 16QAM | 25 | 12 | 18.62 | 0.073 | 18.72 | 0.074 | 18.69 | 0.074 |
| 10 | 16QAM | 25 | 25 | 18.58 | 0.072 | 18.49 | 0.071 | 18.58 | 0.072 |
| 10 | 16QAM | 50 | 0 | 18.52 | 0.071 | 18.56 | 0.072 | 18.68 | 0.074 |
| 10 | 64QAM | 1 | 0 | 19.62 | 0.092 | 19.7 | 0.093 | 19.60 | 0.091 |
| 10 | 64QAM | 1 | 25 | 19.69 | 0.093 | 19.98 | 0.100 | 20.07 | 0.102 |
| 10 | 64QAM | 1 | 49 | 19.67 | 0.093 | 19.71 | 0.094 | 19.66 | 0.092 |
| 10 | 64QAM | 25 | 0 | 18.51 | 0.071 | 18.65 | 0.073 | 18.64 | 0.073 |
| 10 | 64QAM | 25 | 12 | 18.60 | 0.072 | 18.71 | 0.074 | 18.75 | 0.075 |
| 10 | 64QAM | 25 | 25 | 18.48 | 0.070 | 18.6 | 0.072 | 18.62 | 0.073 |
| 10 | 64QAM | 50 | 0 | 18.54 | 0.071 | 18.61 | 0.073 | 18.60 | 0.072 |

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| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 19975 | | 20175 | | 20375 | |
| Frequency (MHz) | | | | 1712.5 | | 1732.5 | | 1752.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 20.35 | 0.108 | 20.57 | 0.114 | 20.62 | 0.115 |
| 5 | QPSK | 1 | 12 | 20.41 | 0.110 | 20.56 | 0.114 | 20.53 | 0.113 |
| 5 | QPSK | 1 | 24 | 20.36 | 0.109 | 20.48 | 0.112 | 20.47 | 0.111 |
| 5 | QPSK | 12 | 0 | 19.58 | 0.091 | 19.58 | 0.091 | 19.62 | 0.092 |
| 5 | QPSK | 12 | 7 | 19.58 | 0.091 | 19.69 | 0.093 | 19.66 | 0.092 |
| 5 | QPSK | 12 | 13 | 19.53 | 0.090 | 19.7 | 0.093 | 19.62 | 0.092 |
| 5 | QPSK | 25 | 0 | 19.56 | 0.090 | 19.6 | 0.091 | 19.66 | 0.092 |
| 5 | 16QAM | 1 | 0 | 19.6 | 0.091 | 20.01 | 0.100 | 19.69 | 0.093 |
| 5 | 16QAM | 1 | 12 | 19.71 | 0.094 | 20.06 | 0.101 | 19.65 | 0.092 |
| 5 | 16QAM | 1 | 24 | 19.65 | 0.092 | 20 | 0.100 | 19.6 | 0.091 |
| 5 | 16QAM | 12 | 0 | 18.64 | 0.073 | 18.58 | 0.072 | 18.61 | 0.073 |
| 5 | 16QAM | 12 | 7 | 18.67 | 0.074 | 18.71 | 0.074 | 18.69 | 0.074 |
| 5 | 16QAM | 12 | 13 | 18.56 | 0.072 | 18.63 | 0.073 | 18.67 | 0.074 |
| 5 | 16QAM | 25 | 0 | 18.57 | 0.072 | 18.68 | 0.074 | 18.61 | 0.073 |
| 5 | 64QAM | 1 | 0 | 19.58 | 0.091 | 20.02 | 0.100 | 20 | 0.100 |
| 5 | 64QAM | 1 | 12 | 19.96 | 0.099 | 19.72 | 0.094 | 19.99 | 0.100 |
| 5 | 64QAM | 1 | 24 | 19.92 | 0.098 | 19.62 | 0.092 | 19.69 | 0.093 |
| 5 | 64QAM | 12 | 0 | 18.59 | 0.072 | 18.66 | 0.073 | 18.68 | 0.074 |
| 5 | 64QAM | 12 | 7 | 18.58 | 0.072 | 18.67 | 0.074 | 18.73 | 0.075 |
| 5 | 64QAM | 12 | 13 | 18.59 | 0.072 | 18.65 | 0.073 | 18.64 | 0.073 |
| 5 | 64QAM | 25 | 0 | 18.54 | 0.071 | 18.68 | 0.074 | 18.59 | 0.072 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 19965 | | 20175 | | 20385 | |
| Frequency (MHz) | | | | 1711.5 | | 1732.5 | | 1753.5 | |
| | | | dbm | | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 20.47 | 0.111 | 20.48 | 0.112 | 20.6 | 0.115 |
| 3 | QPSK | 1 | 8 | 20.56 | 0.114 | 20.7 | 0.117 | 20.64 | 0.116 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 3 | QPSK | 1 | 14 | 20.36 | 0.109 | 20.55 | 0.114 | 20.55 | 0.114 |
| 3 | QPSK | 8 | 0 | 19.56 | 0.090 | 19.62 | 0.092 | 19.63 | 0.092 |
| 3 | QPSK | 8 | 4 | 19.62 | 0.092 | 19.7 | 0.093 | 19.72 | 0.094 |
| 3 | QPSK | 8 | 7 | 19.58 | 0.091 | 19.68 | 0.093 | 19.68 | 0.093 |
| 3 | QPSK | 15 | 0 | 19.58 | 0.091 | 19.64 | 0.092 | 19.58 | 0.091 |
| 3 | 16QAM | 1 | 0 | 19.8 | 0.095 | 19.89 | 0.097 | 19.93 | 0.098 |
| 3 | 16QAM | 1 | 8 | 20.02 | 0.100 | 20.02 | 0.100 | 19.76 | 0.095 |
| 3 | 16QAM | 1 | 14 | 19.93 | 0.098 | 19.71 | 0.094 | 19.79 | 0.095 |
| 3 | 16QAM | 8 | 0 | 18.6 | 0.072 | 18.73 | 0.075 | 18.6 | 0.072 |
| 3 | 16QAM | 8 | 4 | 18.72 | 0.074 | 18.82 | 0.076 | 18.79 | 0.076 |
| 3 | 16QAM | 8 | 7 | 18.66 | 0.073 | 18.74 | 0.075 | 18.78 | 0.076 |
| 3 | 16QAM | 15 | 0 | 18.66 | 0.073 | 18.64 | 0.073 | 18.71 | 0.074 |
| 3 | 64QAM | 1 | 0 | 19.57 | 0.091 | 19.66 | 0.092 | 19.64 | 0.092 |
| 3 | 64QAM | 1 | 8 | 19.76 | 0.095 | 19.64 | 0.092 | 19.8 | 0.095 |
| 3 | 64QAM | 1 | 14 | 19.57 | 0.091 | 19.64 | 0.092 | 19.47 | 0.089 |
| 3 | 64QAM | 8 | 0 | 18.55 | 0.072 | 18.59 | 0.072 | 18.53 | 0.071 |
| 3 | 64QAM | 8 | 4 | 18.67 | 0.074 | 18.65 | 0.073 | 18.69 | 0.074 |
| 3 | 64QAM | 8 | 7 | 18.61 | 0.073 | 18.68 | 0.074 | 18.8 | 0.076 |
| 3 | 64QAM | 15 | 0 | 18.57 | 0.072 | 18.65 | 0.073 | 18.56 | 0.072 |

| LTE Band4 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 19957 | | 20175 | | 20393 | |
| Frequency (MHz) | | | | 1710.7 | | 1732.5 | | 1754.3 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 20.22 | 0.105 | 20.43 | 0.110 | 20.44 | 0.111 |
| 1.4 | QPSK | 1 | 3 | 20.56 | 0.114 | 20.56 | 0.114 | 20.6 | 0.115 |
| 1.4 | QPSK | 1 | 5 | 20.42 | 0.110 | 20.51 | 0.112 | 20.53 | 0.113 |
| 1.4 | QPSK | 3 | 0 | 20.5 | 0.112 | 20.47 | 0.111 | 20.46 | 0.111 |
| 1.4 | QPSK | 3 | 1 | 20.46 | 0.111 | 20.56 | 0.114 | 20.61 | 0.115 |
| 1.4 | QPSK | 3 | 3 | 20.45 | 0.111 | 20.52 | 0.113 | 20.51 | 0.112 |
| 1.4 | QPSK | 6 | 0 | 19.55 | 0.090 | 19.64 | 0.092 | 19.64 | 0.092 |
| 1.4 | 16QAM | 1 | 0 | 19.52 | 0.090 | 19.99 | 0.100 | 19.65 | 0.092 |
| 1.4 | 16QAM | 1 | 3 | 19.65 | 0.092 | 19.73 | 0.094 | 19.77 | 0.095 |
| 1.4 | 16QAM | 1 | 5 | 19.71 | 0.094 | 19.87 | 0.097 | 19.67 | 0.093 |

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| | | | | | | | | | |
|-----|-------|---|---|-------|-------|-------|-------|-------|-------|
| 1.4 | 16QAM | 3 | 0 | 19.53 | 0.090 | 19.57 | 0.091 | 19.48 | 0.089 |
| 1.4 | 16QAM | 3 | 1 | 19.54 | 0.090 | 19.57 | 0.091 | 19.59 | 0.091 |
| 1.4 | 16QAM | 3 | 3 | 19.53 | 0.090 | 19.65 | 0.092 | 19.54 | 0.090 |
| 1.4 | 16QAM | 6 | 0 | 18.7 | 0.074 | 18.51 | 0.071 | 18.64 | 0.073 |
| 1.4 | 64QAM | 1 | 0 | 19.46 | 0.088 | 19.4 | 0.087 | 19.54 | 0.090 |
| 1.4 | 64QAM | 1 | 3 | 19.72 | 0.094 | 19.7 | 0.093 | 19.82 | 0.096 |
| 1.4 | 64QAM | 1 | 5 | 19.63 | 0.092 | 19.59 | 0.091 | 19.43 | 0.088 |
| 1.4 | 64QAM | 3 | 0 | 19.54 | 0.090 | 19.52 | 0.090 | 19.71 | 0.094 |
| 1.4 | 64QAM | 3 | 1 | 19.45 | 0.088 | 19.6 | 0.091 | 19.57 | 0.091 |
| 1.4 | 64QAM | 3 | 3 | 19.51 | 0.089 | 19.68 | 0.093 | 19.56 | 0.090 |
| 1.4 | 64QAM | 6 | 0 | 18.5 | 0.071 | 18.51 | 0.071 | 18.58 | 0.072 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20450 | | 20525 | | 20600 | |
| Frequency (MHz) | | | | 829 | | 836.5 | | 844 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 22.75 | 0.188 | 22.76 | 0.189 | 22.57 | 0.181 |
| 10 | QPSK | 1 | 25 | 22.61 | 0.182 | 22.64 | 0.184 | 22.44 | 0.175 |
| 10 | QPSK | 1 | 49 | 22.53 | 0.179 | 22.65 | 0.184 | 22.33 | 0.171 |
| 10 | QPSK | 25 | 0 | 21.84 | 0.153 | 21.86 | 0.153 | 21.67 | 0.147 |
| 10 | QPSK | 25 | 12 | 21.81 | 0.152 | 21.83 | 0.152 | 21.58 | 0.144 |
| 10 | QPSK | 25 | 25 | 21.81 | 0.152 | 21.72 | 0.149 | 21.55 | 0.143 |
| 10 | QPSK | 50 | 0 | 21.74 | 0.149 | 21.75 | 0.150 | 21.52 | 0.142 |
| 10 | 16QAM | 1 | 0 | 21.91 | 0.155 | 22.1 | 0.162 | 21.81 | 0.152 |
| 10 | 16QAM | 1 | 25 | 22.14 | 0.164 | 22.17 | 0.165 | 21.85 | 0.153 |
| 10 | 16QAM | 1 | 49 | 21.76 | 0.150 | 21.82 | 0.152 | 21.89 | 0.155 |
| 10 | 16QAM | 25 | 0 | 20.85 | 0.122 | 20.86 | 0.122 | 20.68 | 0.117 |
| 10 | 16QAM | 25 | 12 | 20.79 | 0.120 | 20.87 | 0.122 | 20.49 | 0.112 |
| 10 | 16QAM | 25 | 25 | 20.82 | 0.121 | 20.75 | 0.119 | 20.48 | 0.112 |
| 10 | 16QAM | 50 | 0 | 20.83 | 0.121 | 20.74 | 0.119 | 20.64 | 0.116 |
| 10 | 64QAM | 1 | 0 | 21.92 | 0.156 | 22.37 | 0.173 | 21.95 | 0.157 |
| 10 | 64QAM | 1 | 25 | 21.93 | 0.156 | 21.94 | 0.156 | 21.97 | 0.157 |
| 10 | 64QAM | 1 | 49 | 21.94 | 0.156 | 21.98 | 0.158 | 22.02 | 0.159 |
| 10 | 64QAM | 25 | 0 | 20.76 | 0.119 | 20.87 | 0.122 | 20.54 | 0.113 |

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|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | 64QAM | 25 | 12 | 20.75 | 0.119 | 20.92 | 0.124 | 20.63 | 0.116 |
| 10 | 64QAM | 25 | 25 | 20.87 | 0.122 | 20.76 | 0.119 | 20.46 | 0.111 |
| 10 | 64QAM | 50 | 0 | 20.83 | 0.121 | 20.79 | 0.120 | 20.65 | 0.116 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20425 | | 20525 | | 20625 | |
| Frequency (MHz) | | | | 826.5 | | 836.5 | | 846.5 | |
| | | | dbm | W | dbm | W | dbm | W | |
| 5 | QPSK | 1 | 0 | 21.73 | 0.149 | 21.78 | 0.151 | 21.55 | 0.143 |
| 5 | QPSK | 1 | 12 | 21.81 | 0.152 | 21.92 | 0.156 | 21.42 | 0.139 |
| 5 | QPSK | 1 | 24 | 21.81 | 0.152 | 21.76 | 0.150 | 21.48 | 0.141 |
| 5 | QPSK | 12 | 0 | 20.96 | 0.125 | 21.01 | 0.126 | 20.69 | 0.117 |
| 5 | QPSK | 12 | 7 | 21.03 | 0.127 | 21.04 | 0.127 | 20.77 | 0.119 |
| 5 | QPSK | 12 | 13 | 21.08 | 0.128 | 20.92 | 0.124 | 20.65 | 0.116 |
| 5 | QPSK | 25 | 0 | 20.99 | 0.126 | 20.95 | 0.124 | 20.71 | 0.118 |
| 5 | 16QAM | 1 | 0 | 21.28 | 0.134 | 21.21 | 0.132 | 20.97 | 0.125 |
| 5 | 16QAM | 1 | 12 | 20.98 | 0.125 | 21.20 | 0.132 | 20.96 | 0.125 |
| 5 | 16QAM | 1 | 24 | 20.85 | 0.122 | 21.20 | 0.132 | 21.03 | 0.127 |
| 5 | 16QAM | 12 | 0 | 19.94 | 0.099 | 20.03 | 0.101 | 19.72 | 0.094 |
| 5 | 16QAM | 12 | 7 | 20.01 | 0.100 | 20.04 | 0.101 | 19.72 | 0.094 |
| 5 | 16QAM | 12 | 13 | 20.01 | 0.100 | 19.92 | 0.098 | 19.57 | 0.091 |
| 5 | 16QAM | 25 | 0 | 20.02 | 0.100 | 20.07 | 0.102 | 19.68 | 0.093 |
| 5 | 64QAM | 1 | 0 | 21.09 | 0.129 | 20.74 | 0.119 | 21.08 | 0.128 |
| 5 | 64QAM | 1 | 12 | 20.97 | 0.125 | 20.91 | 0.123 | 21.05 | 0.127 |
| 5 | 64QAM | 1 | 24 | 21.11 | 0.129 | 20.95 | 0.124 | 20.64 | 0.116 |
| 5 | 64QAM | 12 | 0 | 19.83 | 0.096 | 19.97 | 0.099 | 19.57 | 0.091 |
| 5 | 64QAM | 12 | 7 | 19.87 | 0.097 | 20.03 | 0.101 | 19.81 | 0.096 |
| 5 | 64QAM | 12 | 13 | 20.05 | 0.101 | 20.00 | 0.100 | 19.57 | 0.091 |
| 5 | 64QAM | 25 | 0 | 19.93 | 0.098 | 20.00 | 0.100 | 19.61 | 0.091 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------|------------|---------|-----------|-----------------|--|--------------------|--|------------------|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |

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| Channel | | | | 20415 | | 20525 | | 20635 | |
|-----------------|-------|----|----|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | | | | 825.5 | | 836.5 | | 847.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 21.60 | 0.145 | 21.91 | 0.155 | 21.62 | 0.145 |
| 3 | QPSK | 1 | 8 | 21.99 | 0.158 | 21.87 | 0.154 | 21.67 | 0.147 |
| 3 | QPSK | 1 | 14 | 21.95 | 0.157 | 21.85 | 0.153 | 21.59 | 0.144 |
| 3 | QPSK | 8 | 0 | 20.89 | 0.123 | 21.02 | 0.126 | 20.64 | 0.116 |
| 3 | QPSK | 8 | 4 | 21.03 | 0.127 | 21.09 | 0.129 | 20.64 | 0.116 |
| 3 | QPSK | 8 | 7 | 20.98 | 0.125 | 21.00 | 0.126 | 20.67 | 0.117 |
| 3 | QPSK | 15 | 0 | 20.96 | 0.125 | 21.02 | 0.126 | 20.61 | 0.115 |
| 3 | 16QAM | 1 | 0 | 20.98 | 0.125 | 21.36 | 0.137 | 21.16 | 0.131 |
| 3 | 16QAM | 1 | 8 | 21.41 | 0.138 | 21.17 | 0.131 | 21.01 | 0.126 |
| 3 | 16QAM | 1 | 14 | 21.35 | 0.136 | 21.22 | 0.132 | 20.97 | 0.125 |
| 3 | 16QAM | 8 | 0 | 19.92 | 0.098 | 20.01 | 0.100 | 19.75 | 0.094 |
| 3 | 16QAM | 8 | 4 | 20.08 | 0.102 | 20.19 | 0.104 | 19.76 | 0.095 |
| 3 | 16QAM | 8 | 7 | 20.00 | 0.100 | 20.06 | 0.101 | 19.80 | 0.095 |
| 3 | 16QAM | 15 | 0 | 19.94 | 0.099 | 19.96 | 0.099 | 19.51 | 0.089 |
| 3 | 64QAM | 1 | 0 | 20.89 | 0.123 | 20.77 | 0.119 | 20.98 | 0.125 |
| 3 | 64QAM | 1 | 8 | 20.77 | 0.119 | 21.01 | 0.126 | 20.52 | 0.113 |
| 3 | 64QAM | 1 | 14 | 20.79 | 0.120 | 20.97 | 0.125 | 20.65 | 0.116 |
| 3 | 64QAM | 8 | 0 | 19.89 | 0.097 | 19.99 | 0.100 | 19.65 | 0.092 |
| 3 | 64QAM | 8 | 4 | 20.11 | 0.103 | 19.95 | 0.099 | 19.58 | 0.091 |
| 3 | 64QAM | 8 | 7 | 20.06 | 0.101 | 19.98 | 0.100 | 19.62 | 0.092 |
| 3 | 64QAM | 15 | 0 | 19.95 | 0.099 | 20.05 | 0.101 | 19.52 | 0.090 |

| LTE Band5 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20407 | | 20525 | | 20643 | |
| Frequency (MHz) | | | | 824.7 | | 836.5 | | 848.3 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 1.4 | QPSK | 1 | 0 | 21.81 | 0.152 | 21.88 | 0.154 | 21.39 | 0.138 |
| 1.4 | QPSK | 1 | 3 | 21.94 | 0.156 | 21.95 | 0.157 | 21.51 | 0.142 |
| 1.4 | QPSK | 1 | 5 | 21.83 | 0.152 | 21.77 | 0.150 | 21.45 | 0.140 |
| 1.4 | QPSK | 3 | 0 | 21.84 | 0.153 | 21.90 | 0.155 | 21.43 | 0.139 |
| 1.4 | QPSK | 3 | 1 | 21.90 | 0.155 | 21.95 | 0.157 | 21.59 | 0.144 |

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|-----|-------|---|---|-------|-------|-------|-------|-------|-------|
| 1.4 | QPSK | 3 | 3 | 21.91 | 0.155 | 21.93 | 0.156 | 21.50 | 0.141 |
| 1.4 | QPSK | 6 | 0 | 20.94 | 0.124 | 20.93 | 0.124 | 20.58 | 0.114 |
| 1.4 | 16QAM | 1 | 0 | 21.24 | 0.133 | 20.88 | 0.122 | 20.71 | 0.118 |
| 1.4 | 16QAM | 1 | 3 | 21.45 | 0.140 | 21.11 | 0.129 | 20.66 | 0.116 |
| 1.4 | 16QAM | 1 | 5 | 21.26 | 0.134 | 20.94 | 0.124 | 20.66 | 0.116 |
| 1.4 | 16QAM | 3 | 0 | 20.79 | 0.120 | 20.77 | 0.119 | 20.57 | 0.114 |
| 1.4 | 16QAM | 3 | 1 | 20.82 | 0.121 | 21.09 | 0.129 | 20.61 | 0.115 |
| 1.4 | 16QAM | 3 | 3 | 20.90 | 0.123 | 21.01 | 0.126 | 20.55 | 0.114 |
| 1.4 | 16QAM | 6 | 0 | 20.12 | 0.103 | 20.07 | 0.102 | 19.60 | 0.091 |
| 1.4 | 64QAM | 1 | 0 | 20.75 | 0.119 | 20.92 | 0.124 | 20.60 | 0.115 |
| 1.4 | 64QAM | 1 | 3 | 21.06 | 0.128 | 21.07 | 0.128 | 20.68 | 0.117 |
| 1.4 | 64QAM | 1 | 5 | 21.01 | 0.126 | 21.00 | 0.126 | 20.54 | 0.113 |
| 1.4 | 64QAM | 3 | 0 | 20.67 | 0.117 | 20.94 | 0.124 | 20.61 | 0.115 |
| 1.4 | 64QAM | 3 | 1 | 20.95 | 0.124 | 20.89 | 0.123 | 20.56 | 0.114 |
| 1.4 | 64QAM | 3 | 3 | 20.85 | 0.122 | 21.02 | 0.126 | 20.72 | 0.118 |
| 1.4 | 64QAM | 6 | 0 | 19.93 | 0.098 | 20.05 | 0.101 | 19.60 | 0.091 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20850 | | 21100 | | 21350 | |
| Frequency (MHz) | | | | 2510 | | 2535 | | 2560 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 20 | QPSK | 1 | 0 | 22.74 | 22.78 | 22.81 | 22.74 | 22.78 | 22.81 |
| 20 | QPSK | 1 | 49 | 22.62 | 22.87 | 22.76 | 22.62 | 22.87 | 22.76 |
| 20 | QPSK | 1 | 99 | 22.78 | 22.73 | 22.78 | 22.78 | 22.73 | 22.78 |
| 20 | QPSK | 50 | 0 | 21.77 | 21.94 | 21.81 | 21.77 | 21.94 | 21.81 |
| 20 | QPSK | 50 | 24 | 21.83 | 21.80 | 21.70 | 21.83 | 21.80 | 21.70 |
| 20 | QPSK | 50 | 50 | 21.93 | 21.96 | 21.93 | 21.93 | 21.96 | 21.93 |
| 20 | QPSK | 100 | 0 | 21.88 | 21.90 | 21.87 | 21.88 | 21.90 | 21.87 |
| 20 | 16QAM | 1 | 0 | 21.69 | 21.79 | 21.97 | 21.69 | 21.79 | 21.97 |
| 20 | 16QAM | 1 | 49 | 21.84 | 21.70 | 21.98 | 21.84 | 21.70 | 21.98 |
| 20 | 16QAM | 1 | 99 | 21.82 | 21.72 | 21.89 | 21.82 | 21.72 | 21.89 |
| 20 | 16QAM | 50 | 0 | 20.88 | 20.98 | 20.91 | 20.88 | 20.98 | 20.91 |
| 20 | 16QAM | 50 | 24 | 20.93 | 20.85 | 20.96 | 20.93 | 20.85 | 20.96 |
| 20 | 16QAM | 50 | 50 | 21.01 | 21.06 | 20.89 | 21.01 | 21.06 | 20.89 |

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| | | | | | | | | | |
|----|-------|-----|----|-------|-------|-------|-------|-------|-------|
| 20 | 16QAM | 100 | 0 | 20.89 | 21.01 | 20.99 | 20.89 | 21.01 | 20.99 |
| 20 | 64QAM | 1 | 0 | 21.99 | 22.34 | 21.56 | 21.99 | 22.34 | 21.56 |
| 20 | 64QAM | 1 | 49 | 21.93 | 21.90 | 21.95 | 21.93 | 21.90 | 21.95 |
| 20 | 64QAM | 1 | 99 | 21.91 | 21.96 | 21.87 | 21.91 | 21.96 | 21.87 |
| 20 | 64QAM | 50 | 0 | 20.90 | 20.91 | 20.96 | 20.90 | 20.91 | 20.96 |
| 20 | 64QAM | 50 | 24 | 20.95 | 20.96 | 20.96 | 20.95 | 20.96 | 20.96 |
| 20 | 64QAM | 50 | 50 | 20.99 | 21.06 | 20.91 | 20.99 | 21.06 | 20.91 |
| 20 | 64QAM | 100 | 0 | 20.92 | 20.89 | 21.01 | 20.92 | 20.89 | 21.01 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20825 | | 21100 | | 21375 | |
| Frequency (MHz) | | | | 2507.5 | | 2535 | | 2562.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 15 | QPSK | 1 | 0 | 22.71 | 0.187 | 22.80 | 0.191 | 22.80 | 0.191 |
| 15 | QPSK | 1 | 37 | 22.81 | 0.191 | 22.78 | 0.190 | 22.82 | 0.191 |
| 15 | QPSK | 1 | 74 | 22.75 | 0.188 | 22.82 | 0.191 | 22.82 | 0.191 |
| 15 | QPSK | 36 | 0 | 21.86 | 0.153 | 21.95 | 0.157 | 21.97 | 0.157 |
| 15 | QPSK | 36 | 20 | 21.94 | 0.156 | 22.01 | 0.159 | 21.96 | 0.157 |
| 15 | QPSK | 36 | 39 | 21.97 | 0.157 | 22.00 | 0.158 | 22.04 | 0.160 |
| 15 | QPSK | 75 | 0 | 22.03 | 0.160 | 21.96 | 0.157 | 21.98 | 0.158 |
| 15 | 16QAM | 1 | 0 | 22.19 | 0.166 | 22.30 | 0.170 | 22.37 | 0.173 |
| 15 | 16QAM | 1 | 37 | 22.01 | 0.159 | 22.12 | 0.163 | 22.10 | 0.162 |
| 15 | 16QAM | 1 | 74 | 22.05 | 0.160 | 22.05 | 0.160 | 22.27 | 0.169 |
| 15 | 16QAM | 36 | 0 | 20.89 | 0.123 | 21.00 | 0.126 | 21.02 | 0.126 |
| 15 | 16QAM | 36 | 20 | 20.96 | 0.125 | 20.99 | 0.126 | 20.98 | 0.125 |
| 15 | 16QAM | 36 | 39 | 21.02 | 0.126 | 21.00 | 0.126 | 20.89 | 0.123 |
| 15 | 16QAM | 75 | 0 | 20.97 | 0.125 | 21.05 | 0.127 | 20.97 | 0.125 |
| 15 | 64QAM | 1 | 0 | 21.89 | 0.155 | 22.35 | 0.172 | 21.74 | 0.149 |
| 15 | 64QAM | 1 | 37 | 21.79 | 0.151 | 21.94 | 0.156 | 22.03 | 0.160 |
| 15 | 64QAM | 1 | 74 | 21.78 | 0.151 | 21.90 | 0.155 | 21.96 | 0.157 |
| 15 | 64QAM | 36 | 0 | 20.88 | 0.122 | 20.96 | 0.125 | 20.95 | 0.124 |
| 15 | 64QAM | 36 | 20 | 20.99 | 0.126 | 20.98 | 0.125 | 21.05 | 0.127 |
| 15 | 64QAM | 36 | 39 | 21.03 | 0.127 | 20.94 | 0.124 | 20.96 | 0.125 |
| 15 | 64QAM | 75 | 0 | 20.88 | 0.122 | 20.98 | 0.125 | 20.93 | 0.124 |

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REPORT No.: SZ19070119W08

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20800 | | 21100 | | 21400 | |
| Frequency (MHz) | | | | 2505 | | 2535 | | 2565 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 22.70 | 22.57 | 22.60 | 22.70 | 22.57 | 22.60 |
| 10 | QPSK | 1 | 25 | 22.73 | 22.63 | 22.65 | 22.73 | 22.63 | 22.65 |
| 10 | QPSK | 1 | 49 | 22.66 | 22.63 | 22.65 | 22.66 | 22.63 | 22.65 |
| 10 | QPSK | 25 | 0 | 21.78 | 21.78 | 21.77 | 21.78 | 21.78 | 21.77 |
| 10 | QPSK | 25 | 12 | 21.74 | 21.86 | 21.91 | 21.74 | 21.86 | 21.91 |
| 10 | QPSK | 25 | 25 | 21.67 | 21.85 | 21.85 | 21.67 | 21.85 | 21.85 |
| 10 | QPSK | 50 | 0 | 21.76 | 21.88 | 21.87 | 21.76 | 21.88 | 21.87 |
| 10 | 16QAM | 1 | 0 | 21.81 | 21.99 | 21.84 | 21.81 | 21.99 | 21.84 |
| 10 | 16QAM | 1 | 25 | 21.80 | 21.82 | 21.87 | 21.80 | 21.82 | 21.87 |
| 10 | 16QAM | 1 | 49 | 22.27 | 22.17 | 22.08 | 22.27 | 22.17 | 22.08 |
| 10 | 16QAM | 25 | 0 | 20.76 | 20.83 | 20.91 | 20.76 | 20.83 | 20.91 |
| 10 | 16QAM | 25 | 12 | 20.77 | 20.94 | 20.87 | 20.77 | 20.94 | 20.87 |
| 10 | 16QAM | 25 | 25 | 20.82 | 20.85 | 20.77 | 20.82 | 20.85 | 20.77 |
| 10 | 16QAM | 50 | 0 | 20.85 | 20.94 | 20.79 | 20.85 | 20.94 | 20.79 |
| 10 | 64QAM | 1 | 0 | 21.89 | 21.85 | 21.83 | 21.89 | 21.85 | 21.83 |
| 10 | 64QAM | 1 | 25 | 21.58 | 21.83 | 21.66 | 21.58 | 21.83 | 21.66 |
| 10 | 64QAM | 1 | 49 | 21.69 | 21.93 | 21.74 | 21.69 | 21.93 | 21.74 |
| 10 | 64QAM | 25 | 0 | 20.80 | 20.78 | 20.82 | 20.80 | 20.78 | 20.82 |
| 10 | 64QAM | 25 | 12 | 20.82 | 20.93 | 20.86 | 20.82 | 20.93 | 20.86 |
| 10 | 64QAM | 25 | 25 | 20.75 | 20.65 | 20.64 | 20.75 | 20.65 | 20.64 |
| 10 | 64QAM | 50 | 0 | 20.85 | 20.91 | 20.83 | 20.85 | 20.91 | 20.83 |

| LTE Band7 | | | | Measured EIRP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 20775 | | 21100 | | 21425 | |
| Frequency (MHz) | | | | 2502.5 | | 2535 | | 2567.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 5 | QPSK | 1 | 0 | 22.53 | 0.179 | 22.58 | 0.181 | 22.71 | 0.187 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | QPSK | 1 | 12 | 22.62 | 0.183 | 22.70 | 0.186 | 22.78 | 0.190 |
| 5 | QPSK | 1 | 24 | 22.71 | 0.187 | 22.77 | 0.189 | 22.81 | 0.191 |
| 5 | QPSK | 12 | 0 | 21.74 | 0.149 | 21.82 | 0.152 | 21.74 | 0.149 |
| 5 | QPSK | 12 | 7 | 21.81 | 0.152 | 21.96 | 0.157 | 21.88 | 0.154 |
| 5 | QPSK | 12 | 13 | 21.83 | 0.152 | 21.99 | 0.158 | 21.84 | 0.153 |
| 5 | QPSK | 25 | 0 | 21.84 | 0.153 | 21.85 | 0.153 | 21.80 | 0.151 |
| 5 | 16QAM | 1 | 0 | 21.82 | 0.152 | 21.80 | 0.151 | 21.86 | 0.153 |
| 5 | 16QAM | 1 | 12 | 21.87 | 0.154 | 22.09 | 0.162 | 21.99 | 0.158 |
| 5 | 16QAM | 1 | 24 | 21.93 | 0.156 | 22.12 | 0.163 | 21.94 | 0.156 |
| 5 | 16QAM | 12 | 0 | 20.79 | 0.120 | 20.73 | 0.118 | 20.86 | 0.122 |
| 5 | 16QAM | 12 | 7 | 20.88 | 0.122 | 21.00 | 0.126 | 20.96 | 0.125 |
| 5 | 16QAM | 12 | 13 | 20.98 | 0.125 | 21.04 | 0.127 | 20.87 | 0.122 |
| 5 | 16QAM | 25 | 0 | 20.85 | 0.122 | 20.90 | 0.123 | 20.91 | 0.123 |
| 5 | 64QAM | 1 | 0 | 21.81 | 0.152 | 21.86 | 0.153 | 21.82 | 0.152 |
| 5 | 64QAM | 1 | 12 | 21.86 | 0.153 | 21.98 | 0.158 | 21.86 | 0.153 |
| 5 | 64QAM | 1 | 24 | 21.90 | 0.155 | 22.00 | 0.158 | 21.96 | 0.157 |
| 5 | 64QAM | 12 | 0 | 20.86 | 0.122 | 20.83 | 0.121 | 20.88 | 0.122 |
| 5 | 64QAM | 12 | 7 | 20.95 | 0.124 | 21.00 | 0.126 | 20.79 | 0.120 |
| 5 | 64QAM | 12 | 13 | 20.90 | 0.123 | 20.99 | 0.126 | 20.85 | 0.122 |
| 5 | 64QAM | 25 | 0 | 20.85 | 0.122 | 20.84 | 0.121 | 20.89 | 0.123 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | 23060 | | | 23095 | | 23130 | |
| Frequency (MHz) | | | 704 | | 707.5 | | 711 | | |
| | | | dbm | | W | dbm | W | dbm | W |
| 10 | QPSK | 1 | 0 | 21.82 | 0.152 | 21.83 | 0.152 | 21.70 | 0.148 |
| 10 | QPSK | 1 | 25 | 21.60 | 0.145 | 21.81 | 0.152 | 21.66 | 0.147 |
| 10 | QPSK | 1 | 49 | 21.60 | 0.145 | 21.79 | 0.151 | 21.98 | 0.158 |
| 10 | QPSK | 25 | 0 | 20.85 | 0.122 | 20.95 | 0.124 | 20.86 | 0.122 |
| 10 | QPSK | 25 | 12 | 20.94 | 0.124 | 20.89 | 0.123 | 20.95 | 0.124 |
| 10 | QPSK | 25 | 25 | 20.87 | 0.122 | 20.93 | 0.124 | 20.86 | 0.122 |
| 10 | QPSK | 50 | 0 | 20.88 | 0.122 | 20.90 | 0.123 | 20.81 | 0.121 |
| 10 | 16QAM | 1 | 0 | 21.25 | 0.133 | 20.80 | 0.120 | 20.86 | 0.122 |
| 10 | 16QAM | 1 | 25 | 21.40 | 0.138 | 20.95 | 0.124 | 21.27 | 0.134 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | 16QAM | 1 | 49 | 21.09 | 0.129 | 21.14 | 0.130 | 21.03 | 0.127 |
| 10 | 16QAM | 25 | 0 | 19.87 | 0.097 | 19.89 | 0.097 | 19.83 | 0.096 |
| 10 | 16QAM | 25 | 12 | 19.91 | 0.098 | 19.95 | 0.099 | 19.84 | 0.096 |
| 10 | 16QAM | 25 | 25 | 19.96 | 0.099 | 19.97 | 0.099 | 19.91 | 0.098 |
| 10 | 16QAM | 50 | 0 | 19.86 | 0.097 | 19.94 | 0.099 | 19.99 | 0.100 |
| 10 | 64QAM | 1 | 0 | 20.79 | 0.120 | 20.91 | 0.123 | 21.25 | 0.133 |
| 10 | 64QAM | 1 | 25 | 21.23 | 0.133 | 21.29 | 0.135 | 20.88 | 0.122 |
| 10 | 64QAM | 1 | 49 | 21.25 | 0.133 | 20.93 | 0.124 | 20.86 | 0.122 |
| 10 | 64QAM | 25 | 0 | 19.87 | 0.097 | 19.81 | 0.096 | 19.78 | 0.095 |
| 10 | 64QAM | 25 | 12 | 19.92 | 0.098 | 19.95 | 0.099 | 19.87 | 0.097 |
| 10 | 64QAM | 25 | 25 | 19.97 | 0.099 | 19.94 | 0.099 | 19.94 | 0.099 |
| 10 | 64QAM | 50 | 0 | 19.89 | 0.097 | 19.82 | 0.096 | 19.93 | 0.098 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23035 | | 23095 | | 23155 | |
| Frequency (MHz) | | | | 701.5 | | 707.5 | | 713.5 | |
| | | | dbm | W | dbm | W | dbm | W | |
| 5 | QPSK | 1 | 0 | 21.57 | 0.144 | 21.73 | 0.149 | 21.68 | 0.147 |
| 5 | QPSK | 1 | 12 | 21.73 | 0.149 | 21.89 | 0.155 | 21.73 | 0.149 |
| 5 | QPSK | 1 | 24 | 21.69 | 0.148 | 21.88 | 0.154 | 21.74 | 0.149 |
| 5 | QPSK | 12 | 0 | 20.80 | 0.120 | 20.87 | 0.122 | 20.86 | 0.122 |
| 5 | QPSK | 12 | 7 | 20.91 | 0.123 | 20.93 | 0.124 | 20.90 | 0.123 |
| 5 | QPSK | 12 | 13 | 20.86 | 0.122 | 20.89 | 0.123 | 20.86 | 0.122 |
| 5 | QPSK | 25 | 0 | 20.82 | 0.121 | 20.94 | 0.124 | 20.90 | 0.123 |
| 5 | 16QAM | 1 | 0 | 20.83 | 0.121 | 20.85 | 0.122 | 20.87 | 0.122 |
| 5 | 16QAM | 1 | 12 | 21.00 | 0.126 | 20.95 | 0.124 | 20.96 | 0.125 |
| 5 | 16QAM | 1 | 24 | 20.96 | 0.125 | 20.94 | 0.124 | 20.90 | 0.123 |
| 5 | 16QAM | 12 | 0 | 19.81 | 0.096 | 19.78 | 0.095 | 19.81 | 0.096 |
| 5 | 16QAM | 12 | 7 | 19.95 | 0.099 | 20.00 | 0.100 | 19.84 | 0.096 |
| 5 | 16QAM | 12 | 13 | 19.90 | 0.098 | 19.87 | 0.097 | 19.92 | 0.098 |
| 5 | 16QAM | 25 | 0 | 19.91 | 0.098 | 19.87 | 0.097 | 19.89 | 0.097 |
| 5 | 64QAM | 1 | 0 | 20.77 | 0.119 | 20.78 | 0.120 | 20.83 | 0.121 |
| 5 | 64QAM | 1 | 12 | 21.22 | 0.132 | 20.92 | 0.124 | 20.85 | 0.122 |
| 5 | 64QAM | 1 | 24 | 21.20 | 0.132 | 20.89 | 0.123 | 20.94 | 0.124 |
| 5 | 64QAM | 12 | 0 | 19.85 | 0.097 | 19.87 | 0.097 | 19.82 | 0.096 |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | 64QAM | 12 | 7 | 19.95 | 0.099 | 19.83 | 0.096 | 19.89 | 0.097 |
| 5 | 64QAM | 12 | 13 | 19.82 | 0.096 | 19.92 | 0.098 | 19.97 | 0.099 |
| 5 | 64QAM | 25 | 0 | 19.97 | 0.099 | 19.93 | 0.098 | 19.90 | 0.098 |

| LTE Band 12 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23025 | | 23095 | | 23165 | |
| Frequency (MHz) | | | | 700.5 | | 707.5 | | 714.5 | |
| | | | | dbm | W | dbm | W | dbm | W |
| 3 | QPSK | 1 | 0 | 21.65 | 0.146 | 21.74 | 0.149 | 21.59 | 0.144 |
| 3 | QPSK | 1 | 8 | 21.83 | 0.152 | 21.82 | 0.152 | 21.92 | 0.156 |
| 3 | QPSK | 1 | 14 | 21.77 | 0.150 | 21.88 | 0.154 | 21.83 | 0.152 |
| 3 | QPSK | 8 | 0 | 20.88 | 0.122 | 20.86 | 0.122 | 20.86 | 0.122 |
| 3 | QPSK | 8 | 4 | 20.91 | 0.123 | 20.94 | 0.124 | 20.95 | 0.124 |
| 3 | QPSK | 8 | 7 | 20.86 | 0.122 | 20.94 | 0.124 | 20.88 | 0.122 |
| 3 | QPSK | 15 | 0 | 20.85 | 0.122 | 20.93 | 0.124 | 20.79 | 0.120 |
| 3 | 16QAM | 1 | 0 | 20.86 | 0.122 | 21.22 | 0.132 | 20.81 | 0.121 |
| 3 | 16QAM | 1 | 8 | 21.06 | 0.128 | 21.04 | 0.127 | 20.99 | 0.126 |
| 3 | 16QAM | 1 | 14 | 20.89 | 0.123 | 20.94 | 0.124 | 21.41 | 0.138 |
| 3 | 16QAM | 8 | 0 | 19.97 | 0.099 | 19.86 | 0.097 | 19.89 | 0.097 |
| 3 | 16QAM | 8 | 4 | 20.02 | 0.100 | 19.99 | 0.100 | 20.10 | 0.102 |
| 3 | 16QAM | 8 | 7 | 19.86 | 0.097 | 19.89 | 0.097 | 19.95 | 0.099 |
| 3 | 16QAM | 15 | 0 | 19.84 | 0.096 | 19.77 | 0.095 | 19.76 | 0.095 |
| 3 | 64QAM | 1 | 0 | 20.78 | 0.120 | 21.12 | 0.129 | 21.11 | 0.129 |
| 3 | 64QAM | 1 | 8 | 21.35 | 0.136 | 21.35 | 0.136 | 21.26 | 0.134 |
| 3 | 64QAM | 1 | 14 | 21.19 | 0.132 | 20.85 | 0.122 | 21.29 | 0.135 |
| 3 | 64QAM | 8 | 0 | 19.78 | 0.095 | 19.86 | 0.097 | 19.77 | 0.095 |
| 3 | 64QAM | 8 | 4 | 19.87 | 0.097 | 19.91 | 0.098 | 19.90 | 0.098 |
| 3 | 64QAM | 8 | 7 | 19.86 | 0.097 | 19.78 | 0.095 | 19.93 | 0.098 |
| 3 | 64QAM | 15 | 0 | 19.85 | 0.097 | 19.87 | 0.097 | 19.79 | 0.095 |

| LTE Band 12 | Measured ERP |
|-------------|--------------|
|-------------|--------------|

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| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| Channel | | | | 23017 | | 23095 | | 23173 | |
| Frequency (MHz) | | | | 699.7 | | 707.5 | | 715.3 | |
| | | | dbm | W | dbm | W | dbm | W | |
| 1.4 | QPSK | 1 | 0 | 21.68 | 0.147 | 21.72 | 0.149 | 21.65 | 0.146 |
| 1.4 | QPSK | 1 | 3 | 21.79 | 0.151 | 21.78 | 0.151 | 21.80 | 0.151 |
| 1.4 | QPSK | 1 | 5 | 21.68 | 0.147 | 21.73 | 0.149 | 21.69 | 0.148 |
| 1.4 | QPSK | 3 | 0 | 21.63 | 0.146 | 21.76 | 0.150 | 21.74 | 0.149 |
| 1.4 | QPSK | 3 | 1 | 21.84 | 0.153 | 21.84 | 0.153 | 21.85 | 0.153 |
| 1.4 | QPSK | 3 | 3 | 21.79 | 0.151 | 21.81 | 0.152 | 21.77 | 0.150 |
| 1.4 | QPSK | 6 | 0 | 20.85 | 0.122 | 20.82 | 0.121 | 20.80 | 0.120 |
| 1.4 | 16QAM | 1 | 0 | 20.89 | 0.123 | 20.83 | 0.121 | 20.52 | 0.113 |
| 1.4 | 16QAM | 1 | 3 | 20.70 | 0.117 | 21.13 | 0.130 | 21.24 | 0.133 |
| 1.4 | 16QAM | 1 | 5 | 20.82 | 0.121 | 20.83 | 0.121 | 20.82 | 0.121 |
| 1.4 | 16QAM | 3 | 0 | 20.66 | 0.116 | 20.69 | 0.117 | 20.70 | 0.117 |
| 1.4 | 16QAM | 3 | 1 | 20.82 | 0.121 | 20.90 | 0.123 | 20.74 | 0.119 |
| 1.4 | 16QAM | 3 | 3 | 20.65 | 0.116 | 20.79 | 0.120 | 20.79 | 0.120 |
| 1.4 | 16QAM | 6 | 0 | 19.81 | 0.096 | 19.82 | 0.096 | 19.84 | 0.096 |
| 1.4 | 64QAM | 1 | 0 | 20.62 | 0.115 | 20.77 | 0.119 | 20.61 | 0.115 |
| 1.4 | 64QAM | 1 | 3 | 20.74 | 0.119 | 21.25 | 0.133 | 20.72 | 0.118 |
| 1.4 | 64QAM | 1 | 5 | 20.90 | 0.123 | 20.93 | 0.124 | 20.89 | 0.123 |
| 1.4 | 64QAM | 3 | 0 | 20.80 | 0.120 | 20.81 | 0.121 | 20.64 | 0.116 |
| 1.4 | 64QAM | 3 | 1 | 20.78 | 0.120 | 21.02 | 0.126 | 20.87 | 0.122 |
| 1.4 | 64QAM | 3 | 3 | 20.80 | 0.120 | 20.64 | 0.116 | 20.80 | 0.120 |
| 1.4 | 64QAM | 6 | 0 | 19.87 | 0.097 | 19.88 | 0.097 | 19.75 | 0.094 |

| LTE Band 17 | | | | Measured ERP | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | |
| Channel | | | | 23780 | | 23790 | | 23800 | |
| Frequency (MHz) | | | | 709 | | 710 | | 711 | |
| | | | dbm | W | dbm | W | dbm | W | |
| 10 | QPSK | 1 | 0 | 22.22 | 0.167 | 22.23 | 0.167 | 22.04 | 0.160 |
| 10 | QPSK | 1 | 25 | 22.08 | 0.161 | 22.11 | 0.163 | 21.91 | 0.155 |
| 10 | QPSK | 1 | 49 | 22.00 | 0.158 | 22.12 | 0.163 | 21.80 | 0.151 |

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| | | | | | | | | | |
|----|-------|----|----|-------|-------|-------|-------|-------|-------|
| 10 | QPSK | 25 | 0 | 21.31 | 0.135 | 21.33 | 0.136 | 21.14 | 0.130 |
| 10 | QPSK | 25 | 12 | 21.28 | 0.134 | 21.30 | 0.135 | 21.05 | 0.127 |
| 10 | QPSK | 25 | 25 | 21.28 | 0.134 | 21.19 | 0.132 | 21.02 | 0.126 |
| 10 | QPSK | 50 | 0 | 21.21 | 0.132 | 21.22 | 0.132 | 20.99 | 0.126 |
| 10 | 16QAM | 1 | 0 | 21.38 | 0.137 | 21.57 | 0.144 | 21.28 | 0.134 |
| 10 | 16QAM | 1 | 25 | 21.61 | 0.145 | 21.64 | 0.146 | 21.32 | 0.136 |
| 10 | 16QAM | 1 | 49 | 21.23 | 0.133 | 21.29 | 0.135 | 21.36 | 0.137 |
| 10 | 16QAM | 25 | 0 | 20.32 | 0.108 | 20.33 | 0.108 | 20.15 | 0.104 |
| 10 | 16QAM | 25 | 12 | 20.26 | 0.106 | 20.34 | 0.108 | 19.96 | 0.099 |
| 10 | 16QAM | 25 | 25 | 20.29 | 0.107 | 20.22 | 0.105 | 19.95 | 0.099 |
| 10 | 16QAM | 50 | 0 | 20.30 | 0.107 | 20.21 | 0.105 | 20.11 | 0.103 |
| 10 | 64QAM | 1 | 0 | 21.39 | 0.138 | 21.84 | 0.153 | 21.42 | 0.139 |
| 10 | 64QAM | 1 | 25 | 21.40 | 0.138 | 21.41 | 0.138 | 21.44 | 0.139 |
| 10 | 64QAM | 1 | 49 | 21.41 | 0.138 | 21.45 | 0.140 | 21.49 | 0.141 |
| 10 | 64QAM | 25 | 0 | 20.23 | 0.105 | 20.34 | 0.108 | 20.01 | 0.100 |
| 10 | 64QAM | 25 | 12 | 20.22 | 0.105 | 20.39 | 0.109 | 20.10 | 0.102 |
| 10 | 64QAM | 25 | 25 | 20.34 | 0.108 | 20.23 | 0.105 | 19.93 | 0.098 |
| 10 | 64QAM | 50 | 0 | 20.30 | 0.107 | 20.26 | 0.106 | 20.12 | 0.103 |

| LTE Band 17 | | | | Measured ERP | | | | | | | |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|--|--|
| BW [MHz] | Modulation | RB Size | RB Offset | Low Ch. / Freq. | | Middle Ch. / Freq. | | High Ch. / Freq. | | | |
| Channel | | | 23035 | | | 23790 | | | 23155 | | |
| Frequency (MHz) | | | 706.5 | | | 710 | | | 713.5 | | |
| | | | | dbm | W | dbm | W | dbm | W | | |
| 5 | QPSK | 1 | 0 | 21.93 | 0.156 | 22.10 | 0.162 | 22.12 | 0.163 | | |
| 5 | QPSK | 1 | 12 | 22.37 | 0.173 | 22.41 | 0.174 | 22.41 | 0.174 | | |
| 5 | QPSK | 1 | 24 | 22.25 | 0.168 | 22.19 | 0.166 | 22.21 | 0.166 | | |
| 5 | QPSK | 12 | 0 | 21.36 | 0.137 | 21.33 | 0.136 | 21.37 | 0.137 | | |
| 5 | QPSK | 12 | 7 | 21.47 | 0.140 | 21.51 | 0.142 | 21.52 | 0.142 | | |
| 5 | QPSK | 12 | 13 | 21.44 | 0.139 | 21.46 | 0.140 | 21.43 | 0.139 | | |
| 5 | QPSK | 25 | 0 | 21.45 | 0.140 | 21.34 | 0.136 | 21.38 | 0.137 | | |
| 5 | 16QAM | 1 | 0 | 21.36 | 0.137 | 21.03 | 0.127 | 21.49 | 0.141 | | |
| 5 | 16QAM | 1 | 12 | 21.94 | 0.156 | 21.33 | 0.136 | 21.75 | 0.150 | | |
| 5 | 16QAM | 1 | 24 | 21.74 | 0.149 | 21.07 | 0.128 | 21.56 | 0.143 | | |

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| | | | | | | | | | |
|---|-------|----|----|-------|-------|-------|-------|-------|-------|
| 5 | 16QAM | 12 | 0 | 20.32 | 0.108 | 20.37 | 0.109 | 20.35 | 0.108 |
| 5 | 16QAM | 12 | 7 | 20.47 | 0.111 | 20.37 | 0.109 | 20.49 | 0.112 |
| 5 | 16QAM | 12 | 13 | 20.43 | 0.110 | 20.42 | 0.110 | 20.42 | 0.110 |
| 5 | 16QAM | 25 | 0 | 20.44 | 0.111 | 20.38 | 0.109 | 20.42 | 0.110 |
| 5 | 64QAM | 1 | 0 | 21.03 | 0.127 | 21.20 | 0.132 | 21.28 | 0.134 |
| 5 | 64QAM | 1 | 12 | 21.82 | 0.152 | 21.47 | 0.140 | 21.44 | 0.139 |
| 5 | 64QAM | 1 | 24 | 21.69 | 0.148 | 21.22 | 0.132 | 21.29 | 0.135 |
| 5 | 64QAM | 12 | 0 | 20.21 | 0.105 | 20.36 | 0.109 | 20.37 | 0.109 |
| 5 | 64QAM | 12 | 7 | 20.46 | 0.111 | 20.39 | 0.109 | 20.53 | 0.113 |
| 5 | 64QAM | 12 | 13 | 20.44 | 0.111 | 20.46 | 0.111 | 20.24 | 0.106 |
| 5 | 64QAM | 25 | 0 | 20.40 | 0.110 | 20.44 | 0.111 | 20.45 | 0.111 |

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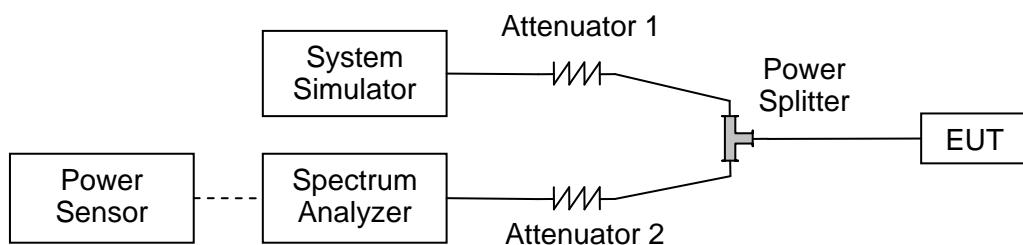
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2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.



2.2.4. Test Result

| LTE Band 2 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 1.4 | QPSK | 1.09 | 1.24 | 1.09 | 1.24 | 1.09 | 1.24 |
| | 16QAM | 1.09 | 1.24 | 1.10 | 1.24 | 1.09 | 1.23 |
| | 64QAM | 1.10 | 1.24 | 1.10 | 1.24 | 1.10 | 1.24 |
| 3 | QPSK | 2.69 | 2.99 | 2.70 | 3.01 | 2.70 | 2.99 |
| | 16QAM | 2.70 | 3.01 | 2.70 | 3.01 | 2.70 | 3.02 |
| | 64QAM | 2.70 | 2.99 | 2.70 | 3.00 | 2.70 | 3.01 |
| 5 | QPSK | 4.50 | 4.97 | 4.50 | 5.00 | 4.50 | 5.00 |
| | 16QAM | 4.51 | 4.99 | 4.50 | 4.99 | 4.51 | 4.96 |
| | 64QAM | 4.50 | 4.97 | 4.51 | 4.98 | 4.50 | 4.92 |
| 10 | QPSK | 8.98 | 9.79 | 8.98 | 9.81 | 9.01 | 9.80 |
| | 16QAM | 8.96 | 9.71 | 8.97 | 9.78 | 8.97 | 9.77 |
| | 64QAM | 8.96 | 9.84 | 8.98 | 9.74 | 8.97 | 9.81 |
| 15 | QPSK | 13.44 | 14.66 | 13.45 | 14.71 | 13.50 | 14.75 |
| | 16QAM | 13.44 | 14.80 | 13.48 | 14.63 | 13.49 | 14.85 |
| | 64QAM | 13.47 | 14.69 | 13.48 | 14.70 | 13.48 | 14.74 |
| 20 | QPSK | 17.94 | 19.54 | 17.99 | 19.54 | 18.00 | 19.57 |
| | 16QAM | 17.98 | 19.54 | 17.99 | 19.57 | 18.00 | 19.63 |
| | 64QAM | 17.92 | 19.54 | 17.97 | 19.61 | 17.97 | 19.47 |

| LTE Band 4 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 1.4 | QPSK | 1.10 | 1.25 | 1.09 | 1.24 | 1.10 | 1.24 |
| | 16QAM | 1.10 | 1.24 | 1.10 | 1.24 | 1.09 | 1.24 |
| | 64QAM | 1.10 | 1.24 | 1.10 | 1.24 | 1.10 | 1.24 |
| 3 | QPSK | 2.70 | 3.01 | 2.70 | 3.00 | 2.70 | 2.99 |
| | 16QAM | 2.70 | 3.02 | 2.70 | 3.01 | 2.70 | 3.01 |
| | 64QAM | 2.70 | 3.03 | 2.70 | 3.01 | 2.70 | 3.01 |
| 5 | QPSK | 4.50 | 4.99 | 4.51 | 4.97 | 4.51 | 4.96 |



| | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|
| | 16QAM | 4.50 | 4.96 | 4.50 | 4.97 | 4.51 | 4.98 |
| | 64QAM | 4.51 | 4.96 | 4.51 | 4.96 | 4.50 | 4.96 |
| 10 | QPSK | 9.00 | 9.81 | 9.00 | 9.84 | 8.97 | 9.81 |
| | 16QAM | 8.97 | 9.82 | 8.97 | 9.82 | 8.99 | 9.84 |
| | 64QAM | 8.97 | 9.75 | 8.96 | 9.78 | 8.97 | 9.82 |
| 15 | QPSK | 13.48 | 14.64 | 13.48 | 14.60 | 13.50 | 14.70 |
| | 16QAM | 13.46 | 14.62 | 13.44 | 14.76 | 13.47 | 14.62 |
| | 64QAM | 13.46 | 14.74 | 13.47 | 14.63 | 13.45 | 14.6 |
| 20 | QPSK | 17.95 | 19.49 | 17.94 | 19.49 | 17.93 | 19.54 |
| | 16QAM | 17.95 | 19.45 | 17.98 | 19.42 | 17.96 | 19.51 |
| | 64QAM | 17.93 | 19.48 | 17.95 | 19.58 | 17.98 | 19.55 |

| LTE Band 5 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 1.4 | QPSK | 1.09 | 1.23 | 1.09 | 1.24 | 1.09 | 1.24 |
| | 16QAM | 1.10 | 1.24 | 1.09 | 1.23 | 1.10 | 1.24 |
| | 64QAM | 1.10 | 1.24 | 1.10 | 1.24 | 1.09 | 1.24 |
| 3 | QPSK | 2.70 | 2.99 | 2.70 | 3.00 | 2.70 | 2.99 |
| | 16QAM | 2.70 | 3.01 | 2.70 | 3.01 | 2.71 | 3.00 |
| | 64QAM | 2.70 | 3.01 | 2.70 | 3.02 | 2.70 | 3.01 |
| 5 | QPSK | 4.50 | 4.95 | 4.50 | 4.98 | 4.50 | 4.97 |
| | 16QAM | 4.51 | 4.95 | 4.50 | 4.93 | 4.51 | 4.95 |
| | 64QAM | 4.50 | 4.96 | 4.51 | 4.99 | 4.50 | 4.93 |
| 10 | QPSK | 9.02 | 9.78 | 9.02 | 9.79 | 9.01 | 9.83 |
| | 16QAM | 8.96 | 9.80 | 8.97 | 9.73 | 8.96 | 9.79 |
| | 64QAM | 8.97 | 9.76 | 8.97 | 9.72 | 8.97 | 9.76 |

| LTE Band 7 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 5 | QPSK | 4.49 | 4.99 | 4.51 | 4.98 | 4.51 | 4.99 |
| | 16QAM | 4.49 | 4.88 | 4.51 | 4.98 | 4.49 | 4.88 |
| | 64QAM | 4.49 | 4.96 | 4.49 | 4.93 | 4.49 | 4.96 |



| | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|
| 10 | QPSK | 8.99 | 9.78 | 9.02 | 9.82 | 8.98 | 9.94 |
| | 16QAM | 8.97 | 9.77 | 8.95 | 9.70 | 8.97 | 9.81 |
| | 64QAM | 8.98 | 9.73 | 8.97 | 9.77 | 8.99 | 9.83 |
| 15 | QPSK | 13.47 | 14.62 | 13.47 | 14.72 | 13.47 | 14.72 |
| | 16QAM | 13.45 | 14.54 | 13.46 | 14.68 | 13.47 | 14.66 |
| | 64QAM | 13.46 | 14.68 | 13.48 | 14.63 | 13.46 | 14.68 |
| 20 | QPSK | 17.94 | 19.45 | 17.96 | 19.5 | 17.96 | 19.54 |
| | 16QAM | 17.94 | 19.47 | 17.96 | 19.49 | 17.94 | 19.48 |
| | 64QAM | 17.93 | 19.48 | 17.95 | 19.52 | 17.93 | 19.45 |

| LTE Band 12 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 1.4 | QPSK | 1.09 | 1.24 | 1.10 | 1.24 | 1.09 | 1.24 |
| | 16QAM | 1.10 | 1.24 | 1.09 | 1.25 | 1.10 | 1.24 |
| | 64QAM | 1.10 | 1.24 | 1.10 | 1.24 | 1.09 | 1.24 |
| 3 | QPSK | 2.70 | 3.00 | 2.70 | 2.99 | 2.70 | 2.98 |
| | 16QAM | 2.70 | 3.01 | 2.70 | 3.01 | 2.70 | 3.01 |
| | 64QAM | 2.71 | 3.01 | 2.71 | 3.01 | 2.70 | 3.01 |
| 5 | QPSK | 4.51 | 4.99 | 4.50 | 4.96 | 4.50 | 4.97 |
| | 16QAM | 4.51 | 4.99 | 4.50 | 4.97 | 4.50 | 4.94 |
| | 64QAM | 4.51 | 4.97 | 4.51 | 4.95 | 4.50 | 4.99 |
| 10 | QPSK | 9.01 | 9.85 | 9.00 | 9.81 | 8.98 | 9.75 |
| | 16QAM | 8.97 | 9.76 | 8.96 | 9.74 | 8.96 | 9.77 |
| | 64QAM | 8.97 | 9.77 | 8.97 | 9.73 | 8.96 | 9.74 |

| LTE Band 17 | | | | | | | |
|-------------|------------|--------------|------------------|--------------|------------------|--------------|------------------|
| BW (MHz) | Modulation | Low CH | | Mid CH | | High CH | |
| | | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) | OBW (MHz) | 26dB BW (MHz) |
| 5 | QPSK | 4.50 | 4.99 | 4.50 | 4.97 | 4.50 | 4.98 |
| | 16QAM | 4.51 | 4.95 | 4.50 | 4.94 | 4.50 | 4.96 |
| | 64QAM | 4.50 | 4.97 | 4.50 | 4.97 | 4.50 | 4.93 |
| 10 | QPSK | 9.0 | 9.81 | 8.97 | 9.77 | 8.98 | 9.84 |
| | 16QAM | 8.96 | 9.76 | 8.96 | 9.76 | 8.96 | 9.75 |



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| | | | | | | | |
|--|-------|------|------|------|------|------|------|
| | 64QAM | 8.96 | 9.78 | 8.97 | 9.76 | 8.96 | 9.81 |
|--|-------|------|------|------|------|------|------|

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