RF TEST REPORT



Report No.: 17070963-FCC-R5

Supersede Report No.: N/A

| Applicant | BLU Products, Inc. | | | |
|---|--|----------------------|--|--|
| Product Name | Mobile Pho | Mobile Phone | | |
| Model No. | R2 PLUS | | | |
| Serial No. | N/A | | | |
| Test Standard | FCC Part 22(H):2016, FCC Part 24(E):2016, FCC Part 27: 2016; | | | |
| Test Standard | ANSI/TIA-6 | ANSI/TIA-603-D: 2010 | | |
| Test Date | October 17 to November 05, 2017 | | | |
| Issue Date | November 06, 2017 | | | |
| Test Result | Pass Fail | | | |
| Equipment complied with the specification | | | | |
| Equipment did no | Equipment did not comply with the specification | | | |
| LOVEN LUO David Huang | | | | |
| Loren Luo | | David Huang | | |
| Test Engineer | | Checked By | | |

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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|----------------|------------------------------------|
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| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-----------------|----------------|-------------|-------------------|
| 17070963-FCC-R5 | NONE | Original | November 06, 2017 |
| | | | |
| | | | |
| | | | |

2. Customer information

| Applicant Name | BLU Products, Inc. |
|------------------|--|
| Applicant Add | 10814 NW 33rd St # 100 Doral, FL 33172 |
| Manufacturer | BLU Products, Inc. |
| Manufacturer Add | 10814 NW 33rd St # 100 Doral, FL 33172 |

3. Test site information

Test Lab A:

| Lab performing tests | SIEMIC (Shenzhen-China) LABORATORIES | |
|----------------------|---|--|
| | Zone A, Floor 1, Building 2 Wan Ye Long Technology Park | |
| Lab Address | South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China | |
| | 518108 | |
| FCC Test Site No. | 535293 | |
| IC Test Site No. | 4842E-1 | |
| Test Software | Radiated Emission Program-To Shenzhen v2.0 | |

Test Lab B:

| Lab performing tests | SIEMIC (Nanjing-China) Laboratories |
|----------------------|---|
| Lab Address | 2-1 Longcang Avenue Yuhua Economic and |
| | Technology Development Park, Nanjing, China |
| FCC Test Site No. | 694825 |
| IC Test Site No. | 4842B-1 |
| Test Software | EZ_EMC(ver.lcp-03A1) |

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.



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4. Equipment under Test (EUT) Information

Description of EUT: Mobile Phone

Main Model: R2 PLUS

Serial Model: N/A

Date EUT received: October 16, 2017

Test Date(s): October 17 to November 05, 2017

Equipment Category : PCE

GSM850: -2.8dBi PCS1900: -2.3dBi

UMTS-FDD Band V: -2.5dBi UMTS-FDD Band IV: -2.5dBi UMTS-FDD Band II: -2.5dBi

LTE Band II: -2.8dBi

Antenna Gain: LTE Band IV: -2.4dBi

LTE Band VII: -2.5dBi LTE Band XII: -2.8dBi LTE Band XVII: -3.0dBi Bluetooth/BLE: -2.7dBi

WIFI: -3.0dBi GPS: -2.9dBi

Antenna Type: PIFA Antenna

GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK

LTE Band: QPSK, 16QAM Type of Modulation:

802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK



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GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz

PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

UMTS-FDD Band IV TX:1712.4 ~ 1752.6 MHz;

RX: 2112.4 ~ 2152.6 MHz

UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz

RF Operating Frequency (ies):

Maximum Conducted

AV Power to Antenna:

LTE Band II TX: $1850.7 \sim 1909.3 \text{MHz}$; RX: $1930.7 \sim 1989.3 \text{ MHz}$ LTE Band IV TX: $1710.7 \sim 1754.3 \text{ MHz}$; RX: $2110.7 \sim 2154.3 \text{ MHz}$ LTE Band VII TX: $2502.5 \sim 2567.5 \text{ MHz}$; RX: $2622.5 \sim 2687.5 \text{ MHz}$

LTE Band XII TX:699.7 \sim 715.3 MHz; RX : 729.7 \sim 745.3MHz LTE Band XVII TX: 706.5 \sim 713.5 MHz; RX : 736.5 \sim 743.5 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

LTE Band II: 23.55 dBm

LTE Band IV: 23.53 dBm LTE Band VII: 22.89 dBm

> LTE Band XII: 23.22 dBm LTE Band XVII: 23.95 dBm

LTE Band II: 20.67 dBm / EIRP

LTE Band IV: 21.06 dBm / EIRP

ERP/EIRP: LTE Band VII: 20.29 dBm / EIRP

LTE Band XII: 21.03 dBm / EIRP LTE Band XVII: 21.78 dBm / ERP

Port: USB Port, Earphone Port

Adapter:

Model: US-WT-1500

Input: AC100-240V~50/60Hz,0.3A

Input Power: Output: DC 5V~1.5A

Battery:

Model: C716041300P

Spec: 3.8V, 3000mAh, 11.4Wh

Trade Name : BLU



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| GPRS/EGPRS Multi-slot class 8/1 | 10/11/12 |
|---------------------------------|----------|
|---------------------------------|----------|

FCC ID: YHLBLUR2PLUS



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

| FCC Rules | Description of Test | Result | |
|------------------------------------|--|------------|--|
| § 1.1307; § 2.1093 | RF Exposure (SAR) | Compliance | |
| §2.1046; § 22.913(a); § 24.232(c); | DE Output Dawer | Compliance | |
| § 27.50(c.10); § 27.50(d.4) | RF Output Power | Compliance | |
| § 24.232 (d); § 27.50(d) | Peak-Average Ratio | Compliance | |
| § 2.1049; § 22.905; § 22.917; | 000/ 9, 2C dD Opporated Developed | 0 | |
| § 24.238; § 27.53(a.5) | 99% & -26 dB Occupied Bandwidth | Compliance | |
| § 2.1051; § 22.917(a); | Courieus Fraissians et Antonno Torreinal | Compliance | |
| § 24.238(a); § 27.53(h) | Spurious Emissions at Antenna Terminal | Compliance | |
| § 2.1053; § 22.917(a); | Field Chroneth of Courieus Dediction | Camplianas | |
| § 24.238(a); § 27.53(h) | Field Strength of Spurious Radiation | Compliance | |
| § 22.917(a); § 24.238(a); | Out of band emission, Band Edge | Compliance | |
| § 27.53(m) | Band Edge 27.53(m) | Compliance | |
| § 2.1055; § 22.355; § 24.235; | Frequency stability vs. temperature | 0 " | |
| § 27.5(h); § 27.54 | Frequency stability vs. voltage | Compliance | |

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different

Measurement Uncertainty

| Emissions | | |
|---|---|---------------|
| Test Item | Description | Uncertainty |
| Band Edge and Radiated Spurious Emissions | Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m) | +5.6dB/-4.5dB |
| - | - | - |



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6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

6.1 RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation;

Please refer to RF Exposure Evaluation Report: 17070963-FCC-H.



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6.2 RF Output Power

| Temperature | 25 °C |
|----------------------|------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1018mbar |
| Test date : | October 19, 2017 |
| Tested By : | Loren Luo |

Requirement(s)

| Requirement(s): | | | |
|-----------------|------------------|--|---|
| Spec | Item | Requirement | Applicable |
| §22.913 (a) | a) | ERP:38.45dBm | > |
| §24.232 (c) | b) | EIRP:33dBm | V |
| §27.50 (c) | c) | EIRP: 30dBm | ~ |
| Test Setup | Base Station EUT | | |
| Test Procedure | - - | The transmitter output port was connected to base start Set EUT at maximum power through base station. Select lowest, middle, and highest channels for each different test mode. For ERP/EIRP: The transmitter was placed on a wooden turntable, and transmitting into a non-radiating load which was also put runtable. The measurement antenna was placed at a distance of from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order the maximum level of emissions from the EUT. The test performed by placing the EUT on 3-orthogonal axis. The frequency range up to tenth harmonic of the fundating frequency was investigated. | band and d it was laced on the of 3 meters d ler to identify st was |



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| | - Remove the EUT and replace it with substitution antenna. A signal |
|---------------|---|
| | generator was connected to the substitution antenna by a non- |
| | radiating cable. The absolute levels of the spurious emissions |
| | were measured by the substitution. |
| | - Spurious emissions in dB = 10 log (TX power in Watts/0.001) – |
| | the absolute level |
| | - Spurious attenuation limit in dB = 43 + 10 Log10 (power out in |
| | Watts. |
| Remark | |
| Result | Pass |
| Test Data Yes | N/A |
| Test Plot Yes | (See below) N/A |



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Conducted Power

LTE Band II:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.45 | 23±1 |
| | | | | 1 | 49 | 0 | 23.53 | 23±1 |
| | | | | 1 | 99 | 0 | 23.48 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.39 | 23±1 |
| | | | | 50 | 24 | 1 | 22.36 | 23±1 |
| | | | | 50 | 49 | 1 | 22.42 | 23±1 |
| | 40700 | 40000 | | 100 | 0 | 1 | 22.37 | 23±1 |
| | 18700 | 1860.0 | | 1 | 0 | 1 | 22.34 | 22±1 |
| | | | | 1 | 49 | 1 | 22.25 | 22±1 |
| | | | | 1 | 99 | 1 | 22.28 | 22±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.43 | 22±1 |
| | | | | 50 | 24 | 2 | 22.27 | 22±1 |
| | | | | 50 | 49 | 2 | 22.33 | 22±1 |
| | | | | 100 | 0 | 2 | 21.52 | 22±1 |
| | | | | 1 | 0 | 0 | 23.39 | 23±1 |
| | | | | 1 | 49 | 0 | 23.39 | 23±1 |
| | | | | 1 | 99 | 0 | 23.47 | 23±1 |
| | | 00 1000 0 | QPSK | 50 | 0 | 1 | 22.45 | 23±1 |
| | | | | 50 | 24 | 1 | 22.43 | 23±1 |
| | | | | 50 | 49 | 1 | 22.51 | 23±1 |
| 201411 | 40000 | | | 100 | 0 | 1 | 22.4 | 23±1 |
| 20MHz | 18900 | 1880.0 | | 1 | 0 | 1 | 22.58 | 22.2±1 |
| | | | | 1 | 49 | 1 | 22.63 | 22.2±1 |
| | | | | 1 | 99 | 1 | 22.62 | 22.2±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.52 | 22.2±1 |
| | | | | 50 | 24 | 2 | 22.64 | 22.2±1 |
| | | | | 50 | 49 | 2 | 22.49 | 22.2±1 |
| | | | | 100 | 0 | 2 | 21.43 | 22.2±1 |
| | | | | 1 | 0 | 0 | 23.46 | 23±1 |
| | | | | 1 | 49 | 0 | 23.53 | 23±1 |
| | | | | 1 | 99 | 0 | 23.4 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.47 | 23±1 |
| | | | | 50 | 24 | 1 | 22.54 | 23±1 |
| | | | | 50 | 49 | 1 | 22.56 | 23±1 |
| | 40400 | 4000.0 | | 100 | 0 | 1 | 22.34 | 23±1 |
| | 19100 | 1900.0 | | 1 | 0 | 1 | 22.83 | 22.3±1 |
| | | | | 1 | 49 | 1 | 22.81 | 22.3±1 |
| | | | | 1 | 99 | 1 | 22.76 | 22.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.8 | 22.3±1 |
| | | | | 50 | 24 | 2 | 22.78 | 22.3±1 |
| | | | | 50 | 49 | 2 | 22.8 | 22.3±1 |
| | | | | 100 | 0 | 2 | 21.38 | 22.3±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|---------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.43 | 23±1 |
| | | | | 1 | 37 | 0 | 23.4 | 23±1 |
| | | | | 1 | 74 | 0 | 23.5 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.49 | 23±1 |
| | | | | 36 | 16 | 1 | 22.58 | 23±1 |
| | | | | 36 | 35 | 1 | 22.42 | 23±1 |
| | 18675 | 1857.5 | | 75 | 0 | 1 | 22.42 | 23±1 |
| | 18073 | 1037.3 | | 1 | 0 | 1 | 22.16 | 22±1 |
| | | | | 1 | 37 | 1 | 22.08 | 22±1 |
| | | | | 1 | 74 | 1 | 22.06 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.14 | 22±1 |
| | | | | 36 | 16 | 2 | 22.25 | 22±1 |
| | | | | 36 | 35 | 2 | 22.16 | 22±1 |
| | | | | 75 | 0 | 2 | 21.42 | 22±1 |
| | | | | 1 | 0 | 0 | 23.47 | 23±1 |
| | | 1880.0 | | 1 | 37 | 0 | 23.46 | 23±1 |
| | | | | 1 | 74 | 0 | 23.55 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.55 | 23±1 |
| | | | | 36 | 16 | 1 | 22.52 | 23±1 |
| | | | | 36 | 35 | 1 | 22.53 | 23±1 |
| 1 5 5 4 1 1 - | 18900 | | | 75 | 0 | 1 | 22.52 | 23±1 |
| 15MHz | 18900 | | 16QAM | 1 | 0 | 1 | 22.5 | 22±1 |
| | | | | 1 | 37 | 1 | 22.46 | 22±1 |
| | | | | 1 | 74 | 1 | 22.47 | 22±1 |
| | | | | 36 | 0 | 2 | 22.51 | 22±1 |
| | | | | 36 | 16 | 2 | 22.59 | 22±1 |
| | | | | 36 | 35 | 2 | 22.6 | 22±1 |
| | | | | 75 | 0 | 2 | 21.45 | 22±1 |
| | | | | 1 | 0 | 0 | 23.33 | 23±1 |
| | | | | 1 | 37 | 0 | 23.25 | 23±1 |
| | | | | 1 | 74 | 0 | 23.31 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.4 | 23±1 |
| | | | | 36 | 16 | 1 | 22.45 | 23±1 |
| | | | | 36 | 35 | 1 | 22.37 | 23±1 |
| | 10125 | 1002.7 | | 75 | 0 | 1 | 22.4 | 23±1 |
| | 19125 | 1902.5 | | 1 | 0 | 1 | 22.88 | 22.5±1 |
| | | | | 1 | 37 | 1 | 22.96 | 22.5±1 |
| | | | | 1 | 74 | 1 | 22.93 | 22.5±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.93 | 22.5±1 |
| | | | | 36 | 16 | 2 | 22.96 | 22.5±1 |
| | | | | 36 | 35 | 2 | 22.85 | 22.5±1 |
| | | | | 75 | 0 | 2 | 21.57 | 22.5±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.39 | 23±1 |
| | | | | 1 | 24 | 0 | 23.33 | 23±1 |
| | | | | 1 | 49 | 0 | 23.29 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.27 | 23±1 |
| | | | | 25 | 12 | 1 | 22.32 | 23±1 |
| | | | | 25 | 24 | 1 | 22.3 | 23±1 |
| | 18650 | 1855 | | 50 | 0 | 1 | 22.29 | 23±1 |
| | 18030 | 1033 | | 1 | 0 | 1 | 22.11 | 22±1 |
| | | | | 1 | 24 | 1 | 22.08 | 22±1 |
| | | | | 1 | 49 | 1 | 22.09 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.02 | 22±1 |
| | | | | 25 | 12 | 2 | 22.16 | 22±1 |
| | | | | 25 | 24 | 2 | 22.06 | 22±1 |
| | | | | 50 | 0 | 2 | 21.38 | 22±1 |
| | | | | 1 | 0 | 0 | 23.42 | 23±1 |
| | | 1880.0 | | 1 | 24 | 0 | 23.5 | 23±1 |
| | | | | 1 | 49 | 0 | 23.33 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.36 | 23±1 |
| | | | | 25 | 12 | 1 | 22.4 | 23±1 |
| | | | | 25 | 24 | 1 | 22.34 | 23±1 |
| 400411 | 40000 | | | 50 | 0 | 1 | 22.36 | 23±1 |
| 10MHz | 18900 | | | 1 | 0 | 1 | 22.31 | 22±1 |
| | | | | 1 | 24 | 1 | 22.35 | 22±1 |
| | | | | 1 | 49 | 1 | 22.24 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.32 | 22±1 |
| | | | | 25 | 12 | 2 | 22.24 | 22±1 |
| | | | | 25 | 24 | 2 | 22.38 | 22±1 |
| | | | | 50 | 0 | 2 | 21.4 | 22±1 |
| | | | | 1 | 0 | 0 | 23.26 | 23±1 |
| | | | | 1 | 24 | 0 | 23.26 | 23±1 |
| | | | | 1 | 49 | 0 | 23.3 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.31 | 23±1 |
| | | | | 25 | 12 | 1 | 22.32 | 23±1 |
| | | | | 25 | 24 | 1 | 22.37 | 23±1 |
| | | | | 50 | 0 | 1 | 22.25 | 23±1 |
| | 19150 | 1905 | | 1 | 0 | 1 | 22.72 | 22.2±1 |
| | | | | 1 | 24 | 1 | 22.75 | 22.2±1 |
| | | | | 1 | 49 | 1 | 22.74 | 22.2±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.74 | 22.2±1 |
| | | | | 25 | 12 | 2 | 22.69 | 22.2±1 |
| | | | | 25 | 24 | 2 | 22.75 | 22.2±1 |
| | | | | 50 | 0 | 2 | 21.29 | 22.2±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.36 | 23±1 |
| | | | | 1 | 12 | 0 | 23.42 | 23±1 |
| | | | | 1 | 24 | 0 | 23.28 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.3 | 23±1 |
| | | | | 12 | 6 | 1 | 22.22 | 23±1 |
| | | | | 12 | 11 | 1 | 22.31 | 23±1 |
| | 18625 | 1852.5 | | 25 | 0 | 1 | 22.25 | 23±1 |
| | 10025 | 1032.3 | | 1 | 0 | 1 | 22.55 | 22.2±1 |
| | | | | 1 | 12 | 1 | 22.64 | 22.2±1 |
| | | | | 1 | 24 | 1 | 22.64 | 22.2±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.65 | 22.2±1 |
| | | | | 12 | 6 | 2 | 22.51 | 22.2±1 |
| | | | | 12 | 11 | 2 | 22.61 | 22.2±1 |
| | | | | 25 | 0 | 2 | 21.24 | 22.2±1 |
| | | | | 1 | 0 | 0 | 23.34 | 23±1 |
| | | | | 1 | 12 | 0 | 23.43 | 23±1 |
| | | | | 1 | 24 | 0 | 23.32 | 23±1 |
| | | 1880.0 | QPSK | 12 | 0 | 1 | 22.4 | 23±1 |
| | | | | 12 | 6 | 1 | 22.47 | 23±1 |
| | | | | 12 | 11 | 1 | 22.36 | 23±1 |
| E N 41.1- | 40000 | | | 25 | 0 | 1 | 22.33 | 23±1 |
| 5MHz | 18900 | | | 1 | 0 | 1 | 22.34 | 22±1 |
| | | | | 1 | 12 | 1 | 22.44 | 22±1 |
| | | | 16QAM | 1 | 24 | 1 | 22.31 | 22±1 |
| | | | | 12 | 0 | 2 | 22.37 | 22±1 |
| | | | | 12 | 6 | 2 | 22.31 | 22±1 |
| | | | | 12 | 11 | 2 | 22.38 | 22±1 |
| | | | | 25 | 0 | 2 | 21.36 | 22±1 |
| | | | | 1 | 0 | 0 | 23.23 | 23±1 |
| | | | | 1 | 12 | 0 | 23.31 | 23±1 |
| | | | | 1 | 24 | 0 | 23.28 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.26 | 23±1 |
| | | | | 12 | 6 | 1 | 22.27 | 23±1 |
| | | | | 12 | 11 | 1 | 22.26 | 23±1 |
| | 10175 | 1007 5 | | 25 | 0 | 1 | 22.2 | 23±1 |
| | 19175 | 1907.5 | | 1 | 0 | 1 | 22.13 | 22±1 |
| | | | | 1 | 12 | 1 | 22.16 | 22±1 |
| | | | | 1 | 24 | 1 | 22.21 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.1 | 22±1 |
| | | | | 12 | 6 | 2 | 22.09 | 22±1 |
| | | | | 12 | 11 | 2 | 22.23 | 22±1 |
| | | | | 25 | 0 | 2 | 21.26 | 22±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.36 | 23±1 |
| | | | | 1 | 7 | 0 | 23.34 | 23±1 |
| | | | | 1 | 14 | 0 | 23.31 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.33 | 23±1 |
| | | | | 8 | 4 | 1 | 22.41 | 23±1 |
| | | | | 8 | 7 | 1 | 22.35 | 23±1 |
| | 18625 | 1852.5 | | 15 | 0 | 1 | 22.29 | 23±1 |
| | 10025 | 1032.3 | | 1 | 0 | 1 | 22.08 | 22±1 |
| | | | | 1 | 7 | 1 | 22.12 | 22±1 |
| | | | | 1 | 14 | 1 | 22.18 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.24 | 22±1 |
| | | | | 8 | 4 | 2 | 21.16 | 22±1 |
| | | | | 8 | 7 | 2 | 21.15 | 22±1 |
| | | | | 15 | 0 | 2 | 21.25 | 22±1 |
| | | | | 1 | 0 | 0 | 23.36 | 23±1 |
| | | | | 1 | 7 | 0 | 21.16 | 23±1 |
| | | | | 1 | 14 | 0 | 23.4 | 23±1 |
| | | 1880.0 | QPSK | 8 | 0 | 1 | 22.35 | 23±1 |
| | | | | 8 | 4 | 1 | 22.37 | 23±1 |
| | | | | 8 | 7 | 1 | 22.31 | 23±1 |
| 28.41.1 | 40000 | | | 15 | 0 | 1 | 22.33 | 23±1 |
| 3MHz | 18900 | | | 1 | 0 | 1 | 22.27 | 22±1 |
| | | | | 1 | 7 | 1 | 22.27 | 22±1 |
| | | | | 1 | 14 | 1 | 22.27 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.19 | 22±1 |
| | | | | 8 | 4 | 2 | 21.27 | 22±1 |
| | | | | 8 | 7 | 2 | 21.28 | 22±1 |
| | | | | 15 | 0 | 2 | 21.35 | 22±1 |
| | | | | 1 | 0 | 0 | 23.1 | 23±1 |
| | | | | 1 | 7 | 0 | 23.18 | 23±1 |
| | | | | 1 | 14 | 0 | 23.11 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.21 | 23±1 |
| | | | | 8 | 4 | 1 | 22.19 | 23±1 |
| | | | | 8 | 7 | 1 | 22.29 | 23±1 |
| | 10475 | 1007.5 | | 15 | 0 | 1 | 22.21 | 23±1 |
| | 19175 | 1907.5 | | 1 | 0 | 1 | 22.49 | 22±1 |
| | | | | 1 | 7 | 1 | 22.5 | 22±1 |
| | | | | 1 | 14 | 1 | 22.5 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.16 | 22±1 |
| | | | | 8 | 4 | 2 | 21.15 | 22±1 |
| | | | | 8 | 7 | 2 | 21.22 | 22±1 |
| | | | | 15 | 0 | 2 | 21.28 | 22±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|------------------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.36 | 23±1 |
| | | | | 1 | 2 | 0 | 23.34 | 23±1 |
| | | | | 1 | 5 | 0 | 23.44 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.32 | 23±1 |
| | | | | 3 | 1 | 0 | 23.29 | 23±1 |
| | | | | 3 | 2 | 0 | 23.35 | 23±1 |
| | 18607 | 1850.7 | | 6 | 0 | 1 | 22.35 | 23±1 |
| | 10007 | 1030.7 | | 1 | 0 | 1 | 22.1 | 22±1 |
| | | | | 1 | 2 | 1 | 22.14 | 22±1 |
| | | | | 1 | 5 | 1 | 22.01 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.02 | 22±1 |
| | | | | 3 | 1 | 1 | 22.15 | 22±1 |
| | | | | 3 | 2 | 1 | 22.09 | 22±1 |
| | | | | 6 | 0 | 2 | 21.26 | 22±1 |
| | | | | 1 | 0 | 0 | 23.35 | 23±1 |
| | | | | 1 | 2 | 0 | 23.28 | 23±1 |
| | | | | 1 | 5 | 0 | 23.29 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.32 | 23±1 |
| | | | | 3 | 1 | 0 | 23.4 | 23±1 |
| | | 00 1880.0 | | 3 | 2 | 0 | 23.22 | 23±1 |
| 1.4MHz | 18900 | | | 6 | 0 | 1 | 22.32 | 23±1 |
| 1. 4 1VIIIZ | 10900 | | | 1 | 0 | 1 | 22.26 | 22±1 |
| | | | | 1 | 2 | 1 | 22.24 | 22±1 |
| | | | | 1 | 5 | 1 | 22.17 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.24 | 22±1 |
| | | | | 3 | 1 | 1 | 22.33 | 22±1 |
| | | | | 3 | 2 | 1 | 22.34 | 22±1 |
| | | | | 6 | 0 | 2 | 21.16 | 22±1 |
| | | | | 1 | 0 | 0 | 23.12 | 23±1 |
| | | | | 1 | 2 | 0 | 23.05 | 23±1 |
| | | | | 1 | 5 | 0 | 23.06 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.16 | 23±1 |
| | | | | 3 | 1 | 0 | 23.06 | 23±1 |
| | | | | 3 | 2 | 0 | 23.14 | 23±1 |
| | 19193 | 1909.3 | | 6 | 0 | 1 | 22.2 | 23±1 |
| | 13133 | 1909.3 | | 1 | 0 | 1 | 22.05 | 22±1 |
| | | | | 1 | 2 | 1 | 21.99 | 22±1 |
| | | | | 1 | 5 | 1 | 22.02 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.05 | 22±1 |
| | | | | 3 | 1 | 1 | 21.97 | 22±1 |
| | | | | 3 | 2 | 1 | 22.01 | 22±1 |
| | | | | 6 | 0 | 2 | 21.1 | 22±1 |



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LTE Band IV:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.36 | 23±1 |
| | | | | 1 | 49 | 0 | 23.44 | 23±1 |
| | | | | 1 | 99 | 0 | 23.31 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.32 | 23±1 |
| | | | | 50 | 24 | 1 | 22.34 | 23±1 |
| | | | | 50 | 49 | 1 | 22.42 | 23±1 |
| | 20050 | 1720.0 | | 100 | 0 | 1 | 22.27 | 23±1 |
| | 20050 | 1720.0 | | 1 | 0 | 1 | 22.26 | 22±1 |
| | | | | 1 | 49 | 1 | 22.33 | 22±1 |
| | | | | 1 | 99 | 1 | 22.17 | 22±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.18 | 22±1 |
| | | | | 50 | 24 | 2 | 22.27 | 22±1 |
| | | | | 50 | 49 | 2 | 22.35 | 22±1 |
| | | | | 100 | 0 | 2 | 21.32 | 22±1 |
| | | | | 1 | 0 | 0 | 23.3 | 23±1 |
| | | | | 1 | 49 | 0 | 23.34 | 23±1 |
| | | | | 1 | 99 | 0 | 23.29 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.34 | 23±1 |
| | | | | 50 | 24 | 1 | 22.37 | 23±1 |
| | | 1732.5 | | 50 | 49 | 1 | 22.4 | 23±1 |
| | | | | 100 | 0 | 1 | 22.33 | 23±1 |
| 20MHz | 20175 | | | 1 | 0 | 1 | 22.68 | 22.2±1 |
| | | | | 1 | 49 | 1 | 22.77 | 22.2±1 |
| | | | 16QAM | 1 | 99 | 1 | 22.72 | 22.2±1 |
| | | | | 50 | 0 | 2 | 22.7 | 22.2±1 |
| | | | | 50 | 24 | 2 | 22.77 | 22.2±1 |
| | | | | 50 | 49 | 2 | 22.65 | 22.2±1 |
| | | | | 100 | 0 | 2 | 21.35 | 22.2±1 |
| | | | | 1 | 0 | 0 | 23.46 | 23±1 |
| | | | | 1 | 49 | 0 | 23.42 | 23±1 |
| | | | | 1 | 99 | 0 | 23.53 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.41 | 23±1 |
| | | | | 50 | 24 | 1 | 22.43 | 23±1 |
| | | | | 50 | 49 | 1 | 22.37 | 23±1 |
| | | | | 100 | 0 | 1 | 22.42 | 23±1 |
| | 20300 | 1745.0 | | 1 | 0 | 1 | 22.37 | 22±1 |
| | | | | 1 | 49 | 1 | 22.38 | 22±1 |
| | | | | 1 | 99 | 1 | 22.4 | 22±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.31 | 22±1 |
| | | | | 50 | 24 | 2 | 22.45 | 22±1 |
| | | | | 50 | 49 | 2 | 22.28 | 22±1 |
| | | | | 100 | 0 | 2 | 21.44 | 22±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.31 | 23±1 |
| | | | | 1 | 37 | 0 | 23.34 | 23±1 |
| | | | | 1 | 74 | 0 | 23.27 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.35 | 23±1 |
| | | | | 36 | 16 | 1 | 22.4 | 23±1 |
| | | | | 36 | 35 | 1 | 22.44 | 23±1 |
| | 20025 | 1717 5 | | 75 | 0 | 1 | 22.35 | 23±1 |
| | 20025 | 1717.5 | | 1 | 0 | 1 | 22.12 | 22±1 |
| | | | | 1 | 37 | 1 | 22.12 | 22±1 |
| | | | | 1 | 74 | 1 | 22.07 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.1 | 22±1 |
| | | | | 36 | 16 | 2 | 22.15 | 22±1 |
| | | | | 36 | 35 | 2 | 22.1 | 22±1 |
| | | | | 75 | 0 | 2 | 21.35 | 22±1 |
| | | | | 1 | 0 | 0 | 23.29 | 23±1 |
| | | 1732.5 | | 1 | 37 | 0 | 23.27 | 23±1 |
| | | | | 1 | 74 | 0 | 23.23 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.41 | 23±1 |
| | | | | 36 | 16 | 1 | 22.38 | 23±1 |
| | | | | 36 | 35 | 1 | 22.32 | 23±1 |
| 458411 | 20475 | | | 75 | 0 | 1 | 22.4 | 23±1 |
| 15MHz | 20175 | | | 1 | 0 | 1 | 22.46 | 22±1 |
| | | | | 1 | 37 | 1 | 22.41 | 22±1 |
| | | | | 1 | 74 | 1 | 22.37 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.4 | 22±1 |
| | | | | 36 | 16 | 2 | 22.42 | 22±1 |
| | | | | 36 | 35 | 2 | 22.45 | 22±1 |
| | | | | 75 | 0 | 2 | 21.36 | 22±1 |
| | | | | 1 | 0 | 0 | 23.37 | 23±1 |
| | | | | 1 | 37 | 0 | 23.28 | 23±1 |
| | | | | 1 | 74 | 0 | 23.42 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.57 | 23±1 |
| | | | | 36 | 16 | 1 | 22.62 | 23±1 |
| | | | | 36 | 35 | 1 | 22.56 | 23±1 |
| | 20225 | 1747 - | | 75 | 0 | 1 | 22.46 | 23±1 |
| | 20325 | 1747.5 | | 1 | 0 | 1 | 22.87 | 22.5±1 |
| | | | | 1 | 37 | 1 | 22.78 | 22.5±1 |
| | | | | 1 | 74 | 1 | 22.97 | 22.5±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.78 | 22.5±1 |
| | | | | 36 | 16 | 2 | 22.82 | 22.5±1 |
| | | | | 36 | 35 | 2 | 22.81 | 22.5±1 |
| | | | | 75 | 0 | 2 | 21.52 | 22.5±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.28 | 23±1 |
| | | | | 1 | 24 | 0 | 23.33 | 23±1 |
| | | | | 1 | 49 | 0 | 23.22 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.22 | 23±1 |
| | | | | 25 | 12 | 1 | 22.31 | 23±1 |
| | | | | 25 | 24 | 1 | 22.22 | 23±1 |
| | 20000 | 1715.0 | | 50 | 0 | 1 | 22.21 | 23±1 |
| | 20000 | 1/15.0 | | 1 | 0 | 1 | 22.09 | 22±1 |
| | | | | 1 | 24 | 1 | 22 | 22±1 |
| | | | | 1 | 49 | 1 | 22.06 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22 | 22±1 |
| | | | | 25 | 12 | 2 | 22.05 | 22±1 |
| | | | | 25 | 24 | 2 | 22.09 | 22±1 |
| | | | | 50 | 0 | 2 | 21.24 | 22±1 |
| | | | | 1 | 0 | 0 | 23.22 | 23±1 |
| | | | | 1 | 24 | 0 | 23.24 | 23±1 |
| | | | | 1 | 49 | 0 | 23.21 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.27 | 23±1 |
| | | 1732.5 | | 25 | 12 | 1 | 22.2 | 23±1 |
| | | | | 25 | 24 | 1 | 22.21 | 23±1 |
| 40.4 | | | | 50 | 0 | 1 | 22.3 | 23±1 |
| 10MHz | 20175 | | | 1 | 0 | 1 | 22.24 | 22±1 |
| | | | | 1 | 24 | 1 | 22.29 | 22±1 |
| | | | | 1 | 49 | 1 | 22.24 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.26 | 22±1 |
| | | | 202, | 25 | 12 | 2 | 22.33 | 22±1 |
| | | | | 25 | 24 | 2 | 22.17 | 22±1 |
| | | | | 50 | 0 | 2 | 21.35 | 22±1 |
| | | | | 1 | 0 | 0 | 23.2 | 23±1 |
| | | | | 1 | 24 | 0 | 23.23 | 23±1 |
| | | | | 1 | 49 | 0 | 23.16 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.47 | 23±1 |
| | | | | 25 | 12 | 1 | 22.51 | 23±1 |
| | | | | 25 | 24 | 1 | 22.47 | 23±1 |
| | 20252 | 47500 | | 50 | 0 | 1 | 22.42 | 23±1 |
| | 20350 | 1750.0 | | 1 | 0 | 1 | 22.85 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.91 | 22.5±1 |
| | | | | 1 | 49 | 1 | 22.9 | 22.5±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.79 | 22.5±1 |
| | | | | 25 | 12 | 2 | 22.8 | 22.5±1 |
| | | | | 25 | 24 | 2 | 22.84 | 22.5±1 |
| | | | | 50 | 0 | 2 | 21.58 | 22.5±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.22 | 23±1 |
| | | | | 1 | 12 | 0 | 23.26 | 23±1 |
| | | | | 1 | 24 | 0 | 23.29 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.25 | 23±1 |
| | | | | 12 | 6 | 1 | 22.32 | 23±1 |
| | | | | 12 | 11 | 1 | 22.17 | 23±1 |
| | 20000 | 1715.0 | | 25 | 0 | 1 | 22.2 | 23±1 |
| | 20000 | 1/15.0 | | 1 | 0 | 1 | 22.57 | 22.1±1 |
| | | | | 1 | 12 | 1 | 22.59 | 22.1±1 |
| | | | | 1 | 24 | 1 | 22.56 | 22.1±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.54 | 22.1±1 |
| | | | | 12 | 6 | 2 | 22.61 | 22.1±1 |
| | | | | 12 | 11 | 2 | 22.53 | 22.1±1 |
| | | | | 25 | 0 | 2 | 21.26 | 22.1±1 |
| | | | | 1 | 0 | 0 | 23.23 | 23±1 |
| | | | | 1 | 12 | 0 | 23.33 | 23±1 |
| | | | | 1 | 24 | 0 | 23.33 | 23±1 |
| | | 1732.5 | QPSK | 12 | 0 | 1 | 22.31 | 23±1 |
| | | | | 12 | 6 | 1 | 22.21 | 23±1 |
| | | | | 12 | 11 | 1 | 22.34 | 23±1 |
| E N 41.1- | 20475 | | | 25 | 0 | 1 | 22.26 | 23±1 |
| 5MHz | 20175 | | | 1 | 0 | 1 | 22.25 | 22.2±1 |
| | | | | 1 | 12 | 1 | 22.24 | 22.2±1 |
| | | | | 1 | 24 | 1 | 22.15 | 22.2±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.17 | 22.2±1 |
| | | | | 12 | 6 | 2 | 22.3 | 22.2±1 |
| | | | | 12 | 11 | 2 | 22.33 | 22.2±1 |
| | | | | 25 | 0 | 2 | 21.3 | 22.2±1 |
| | | | | 1 | 0 | 0 | 23.46 | 23±1 |
| | | | | 1 | 12 | 0 | 23.46 | 23±1 |
| | | | | 1 | 24 | 0 | 23.4 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.49 | 23±1 |
| | | | | 12 | 6 | 1 | 22.41 | 23±1 |
| | | | | 12 | 11 | 1 | 22.43 | 23±1 |
| | 20250 | 1750.0 | | 25 | 0 | 1 | 22.33 | 23±1 |
| | 20350 | 1750.0 | | 1 | 0 | 1 | 22.35 | 22±1 |
| | | | | 1 | 12 | 1 | 22.41 | 22±1 |
| | | | | 1 | 24 | 1 | 22.29 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.33 | 22±1 |
| | | | | 12 | 6 | 2 | 22.39 | 22±1 |
| | | | | 12 | 11 | 2 | 22.28 | 22±1 |
| | | | | 25 | 0 | 2 | 21.52 | 22±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.21 | 23±1 |
| | | | | 1 | 7 | 0 | 23.28 | 23±1 |
| | | | | 1 | 14 | 0 | 23.27 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.2 | 23±1 |
| | | | | 8 | 4 | 1 | 22.19 | 23±1 |
| | | | | 8 | 7 | 1 | 22.17 | 23±1 |
| | 10065 | 4744 5 | | 15 | 0 | 1 | 22.2 | 23±1 |
| | 19965 | 1711.5 | | 1 | 0 | 1 | 22.03 | 22±1 |
| | | | | 1 | 7 | 1 | 22.11 | 22±1 |
| | | | | 1 | 14 | 1 | 21.96 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.15 | 22±1 |
| | | | | 8 | 4 | 2 | 21.18 | 22±1 |
| | | | | 8 | 7 | 2 | 21.08 | 22±1 |
| | | | | 15 | 0 | 2 | 21.16 | 22±1 |
| | | | | 1 | 0 | 0 | 23.27 | 23±1 |
| | | | | 1 | 7 | 0 | 21.18 | 23±1 |
| | | 1732.5 | | 1 | 14 | 0 | 23.32 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.26 | 23±1 |
| | | | | 8 | 4 | 1 | 22.16 | 23±1 |
| | | | | 8 | 7 | 1 | 22.21 | 23±1 |
| 20.411 | 20475 | | | 15 | 0 | 1 | 22.27 | 23±1 |
| 3MHz | 20175 | | | 1 | 0 | 1 | 22.22 | 22±1 |
| | | | | 1 | 7 | 1 | 22.26 | 22±1 |
| | | | | 1 | 14 | 1 | 22.2 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.1 | 22±1 |
| | | | | 8 | 4 | 2 | 21.05 | 22±1 |
| | | | | 8 | 7 | 2 | 21.1 | 22±1 |
| | | | | 15 | 0 | 2 | 21.3 | 22±1 |
| | | | | 1 | 0 | 0 | 23.37 | 23±1 |
| | | | | 1 | 7 | 0 | 23.29 | 23±1 |
| | | | | 1 | 14 | 0 | 23.33 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.48 | 23±1 |
| | | | | 8 | 4 | 1 | 22.43 | 23±1 |
| | | | | 8 | 7 | 1 | 22.58 | 23±1 |
| | 20205 | 47505 | | 15 | 0 | 1 | 22.51 | 23±1 |
| | 20385 | 1753.5 | | 1 | 0 | 1 | 22.81 | 22.5±1 |
| | | | | 1 | 7 | 1 | 22.79 | 22.5±1 |
| | | | | 1 | 14 | 1 | 22.74 | 22.5±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.43 | 22.5±1 |
| | | | | 8 | 4 | 2 | 21.33 | 22.5±1 |
| | | | | 8 | 7 | 2 | 21.41 | 22.5±1 |
| | | | | 15 | 0 | 2 | 21.56 | 22.5±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power | Tune up Power |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------|------------------|
| (| | () | | | | | (dBm) | tolerant |
| | | | | 1 | 0 | 0 | 23.2 | 23±1 |
| | | | | 1 | 2 | 0 | 23.18 | 23±1 |
| | | | | 1 | 5 | 0 | 23.2 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.25 | 23±1 |
| | | | | 3 | 1 | 0 | 23.33 | 23±1 |
| | | | | 3 | 2 | 0 | 23.21 | 23±1 |
| | 19957 | 1710.7 | | 6 | 0 | 1 | 22.19 | 23±1 |
| | 13337 | 1,10., | | 1 | 0 | 1 | 22.01 | 22±1 |
| | | | | 1 | 2 | 1 | 22.08 | 22±1 |
| | | | | 1 | 5 | 1 | 22.11 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.07 | 22±1 |
| | | | | 3 | 1 | 1 | 22 | 22±1 |
| | | | | 3 | 2 | 1 | 22.01 | 22±1 |
| | | | | 6 | 0 | 2 | 21.15 | 22±1 |
| | | | | 1 | 0 | 0 | 23.25 | 23±1 |
| | | | QPSK | 1 | 2 | 0 | 23.28 | 23±1 |
| | | | | 1 | 5 | 0 | 23.27 | 23±1 |
| | | | | 3 | 0 | 0 | 23.21 | 23±1 |
| | | | | 3 | 1 | 0 | 23.21 | 23±1 |
| | | 5 1732.5 | | 3 | 2 | 0 | 23.11 | 23±1 |
| 1.4MHz | 20175 | | | 6 | 0 | 1 | 22.22 | 23±1 |
| 1.4101112 | 20173 | | | 1 | 0 | 1 | 22.16 | 22.1±1 |
| | | | | 1 | 2 | 1 | 22.26 | 22.1±1 |
| | | | | 1 | 5 | 1 | 22.22 | 22.1±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.14 | 22.1±1 |
| | | | | 3 | 1 | 1 | 22.14 | 22.1±1 |
| | | | | 3 | 2 | 1 | 22.17 | 22.1±1 |
| | | | | 6 | 0 | 2 | 21.08 | 22.1±1 |
| | | | | 1 | 0 | 0 | 23.33 | 23±1 |
| | | | | 1 | 2 | 0 | 23.3 | 23±1 |
| | | | | 1 | 5 | 0 | 23.41 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.34 | 23±1 |
| | | | | 3 | 1 | 0 | 23.38 | 23±1 |
| | | | | 3 | 2 | 0 | 23.28 | 23±1 |
| | 20393 | 1754.3 | | 6 | 0 | 1 | 22.51 | 23±1 |
| | 20393 | 1/34.3 | | 1 | 0 | 1 | 22.09 | 22±1 |
| | | | | 1 | 2 | 1 | 22.02 | 22±1 |
| | | | | 1 | 5 | 1 | 22.12 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.13 | 22±1 |
| | | | | 3 | 1 | 1 | 22.12 | 22±1 |
| | | | | 3 | 2 | 1 | 22.13 | 22±1 |
| | | | | 6 | 0 | 2 | 21.39 | 22±1 |



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LTE Band VII:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 22.65 | 22.5±1 |
| | | | | 1 | 49 | 0 | 22.72 | 22.5±1 |
| | | | | 1 | 99 | 0 | 22.67 | 22.5±1 |
| | | | QPSK | 50 | 0 | 1 | 21.67 | 22.5±1 |
| | | | | 50 | 24 | 1 | 21.61 | 22.5±1 |
| | | | | 50 | 49 | 1 | 21.74 | 22.5±1 |
| | 20850 | 2510 | | 100 | 0 | 1 | 21.64 | 22.5±1 |
| | 20630 | 2310 | | 1 | 0 | 1 | 21.65 | 21.5±1 |
| | | | | 1 | 49 | 1 | 21.67 | 21.5±1 |
| | | | | 1 | 99 | 1 | 21.59 | 21.5±1 |
| | | | 16QAM | 50 | 0 | 2 | 21.75 | 21.5±1 |
| | | | | 50 | 24 | 2 | 21.68 | 21.5±1 |
| | | | | 50 | 49 | 2 | 21.57 | 21.5±1 |
| | | | | 100 | 0 | 2 | 20.67 | 21.5±1 |
| | | | | 1 | 0 | 0 | 22.19 | 22±1 |
| | | | QPSK | 1 | 49 | 0 | 22.1 | 22±1 |
| | | | | 1 | 99 | 0 | 22.14 | 22±1 |
| | | | | 50 | 0 | 1 | 21.65 | 22±1 |
| | | | | 50 | 24 | 1 | 21.66 | 22±1 |
| | | 0 2535 | | 50 | 49 | 1 | 21.7 | 22±1 |
| 201411- | 21100 | | | 100 | 0 | 1 | 21.61 | 22±1 |
| 20MHz | 21100 | | | 1 | 0 | 1 | 21.6 | 21.3±1 |
| | | | | 1 | 49 | 1 | 21.7 | 21.3±1 |
| | | | | 1 | 99 | 1 | 21.59 | 21.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 21.55 | 21.3±1 |
| | | | | 50 | 24 | 2 | 21.67 | 21.3±1 |
| | | | | 50 | 49 | 2 | 21.64 | 21.3±1 |
| | | | | 100 | 0 | 2 | 20.62 | 21.3±1 |
| | | | | 1 | 0 | 0 | 22.06 | 22±1 |
| | | | | 1 | 49 | 0 | 22.04 | 22±1 |
| | | | | 1 | 99 | 0 | 22.03 | 22±1 |
| | | | QPSK | 50 | 0 | 1 | 21.26 | 22±1 |
| | | | | 50 | 24 | 1 | 21.19 | 22±1 |
| | | | | 50 | 49 | 1 | 21.25 | 22±1 |
| | 21250 | 2560 | | 100 | 0 | 1 | 21.27 | 22±1 |
| | 21350 | 2560 | | 1 | 0 | 1 | 21.65 | 21.3±1 |
| | | | | 1 | 49 | 1 | 21.68 | 21.3±1 |
| | | | | 1 | 99 | 1 | 21.6 | 21.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 21.62 | 21.3±1 |
| | | | | 50 | 24 | 2 | 21.6 | 21.3±1 |
| | | | | 50 | 49 | 2 | 21.62 | 21.3±1 |
| | | | | 100 | 0 | 2 | 20.41 | 21.3±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 22.79 | 22.5±1 |
| | | | | 1 | 37 | 0 | 22.88 | 22.5±1 |
| | | | | 1 | 74 | 0 | 22.89 | 22.5±1 |
| | | | QPSK | 36 | 0 | 1 | 21.84 | 22.5±1 |
| | | | | 36 | 16 | 1 | 21.74 | 22.5±1 |
| | | | | 36 | 35 | 1 | 21.83 | 22.5±1 |
| | 20825 | 1717 5 | | 75 | 0 | 1 | 21.81 | 22.5±1 |
| | 20825 | 1717.5 | | 1 | 0 | 1 | 21.51 | 21.4±1 |
| | | | | 1 | 37 | 1 | 21.49 | 21.4±1 |
| | | | | 1 | 74 | 1 | 21.55 | 21.4±1 |
| | | | 16QAM | 36 | 0 | 2 | 21.56 | 21.4±1 |
| | | | | 36 | 16 | 2 | 21.54 | 21.4±1 |
| | | | | 36 | 35 | 2 | 21.5 | 21.4±1 |
| | | | | 75 | 0 | 2 | 20.76 | 21.4±1 |
| | | | | 1 | 0 | 0 | 22.61 | 22.6±1 |
| | | 1732.5 | | 1 | 37 | 0 | 22.55 | 22.6±1 |
| | | | QPSK | 1 | 74 | 0 | 22.61 | 22.6±1 |
| | | | | 36 | 0 | 1 | 21.76 | 22.6±1 |
| | | | | 36 | 16 | 1 | 21.77 | 22.6±1 |
| | | | | 36 | 35 | 1 | 21.74 | 22.6±1 |
| | | | | 75 | 0 | 1 | 21.74 | 22.6±1 |
| 15MHz | 21100 | | | 1 | 0 | 1 | 21.72 | 21.6±1 |
| | | | | 1 | 37 | 1 | 21.8 | 21.6±1 |
| | | | | 1 | 74 | 1 | 21.76 | 21.6±1 |
| | | | 16QAM | 36 | 0 | 2 | 21.67 | 21.6±1 |
| | | | 100, | 36 | 16 | 2 | 21.8 | 21.6±1 |
| | | | | 36 | 35 | 2 | 21.78 | 21.6±1 |
| | | | | 75 | 0 | 2 | 20.68 | 21.6±1 |
| | | | | 1 | 0 | 0 | 22.22 | 22±1 |
| | | | | 1 | 37 | 0 | 22.12 | 22±1 |
| | | | | 1 | 74 | 0 | 22.31 | 22±1 |
| | | | QPSK | 36 | 0 | 1 | 21.49 | 22±1 |
| | | | | 36 | 16 | 1 | 21.55 | 22±1 |
| | | | | 36 | 35 | 1 | 21.58 | 22±1 |
| | | <u></u> | | 75 | 0 | 1 | 21.45 | 22±1 |
| | 21375 | 1747.5 | | 1 | 0 | 1 | 21.88 | 21.6±1 |
| | | | | 1 | 37 | 1 | 21.88 | 21.6±1 |
| | | | | 1 | 74 | 1 | 21.89 | 21.6±1 |
| | | | 16QAM | 36 | 0 | 2 | 21.89 | 21.6±1 |
| | | | | 36 | 16 | 2 | 21.91 | 21.6±1 |
| | | | | 36 | 35 | 2 | 21.9 | 21.6±1 |
| | | | | 75 | 0 | 2 | 20.62 | 21.6±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 22.5 | 22±1 |
| | | | | 1 | 24 | 0 | 22.55 | 22±1 |
| | | | | 1 | 49 | 0 | 22.43 | 22±1 |
| | | | QPSK | 25 | 0 | 1 | 21.61 | 22±1 |
| | | | | 25 | 12 | 1 | 21.7 | 22±1 |
| | | | | 25 | 24 | 1 | 21.66 | 22±1 |
| | 20800 | 2502 | | 50 | 0 | 1 | 21.61 | 22±1 |
| | 20800 | 2302 | | 1 | 0 | 1 | 21.46 | 21.6±1 |
| | | | | 1 | 24 | 1 | 21.36 | 21.6±1 |
| | | | | 1 | 49 | 1 | 21.46 | 21.6±1 |
| | | | 16QAM | 25 | 0 | 2 | 21.39 | 21.6±1 |
| | | | | 25 | 12 | 2 | 21.51 | 21.6±1 |
| | | | | 25 | 24 | 2 | 21.41 | 21.6±1 |
| | | | | 50 | 0 | 2 | 20.61 | 21.6±1 |
| | | | | 1 | 0 | 0 | 22.34 | 22±1 |
| | | 2535 | | 1 | 24 | 0 | 22.29 | 22±1 |
| | | | | 1 | 49 | 0 | 22.36 | 22±1 |
| | | | QPSK | 25 | 0 | 1 | 21.57 | 22±1 |
| | | | | 25 | 12 | 1 | 21.56 | 22±1 |
| | | | | 25 | 24 | 1 | 21.5 | 22±1 |
| 401411 | 24400 | | | 50 | 0 | 1 | 21.58 | 22±1 |
| 10MHz | 21100 | | | 1 | 0 | 1 | 21.39 | 21.3±1 |
| | | | | 1 | 24 | 1 | 21.43 | 21.3±1 |
| | | | | 1 | 49 | 1 | 21.29 | 21.3±1 |
| | | | 16QAM | 25 | 0 | 2 | 21.47 | 21.3±1 |
| | | | | 25 | 12 | 2 | 21.37 | 21.3±1 |
| | | | | 25 | 24 | 2 | 21.41 | 21.3±1 |
| | | | | 50 | 0 | 2 | 20.6 | 21.3±1 |
| | | | | 1 | 0 | 0 | 22.53 | 22±1 |
| | | | | 1 | 24 | 0 | 22.47 | 22±1 |
| | | | | 1 | 49 | 0 | 22.49 | 22±1 |
| | | | QPSK | 25 | 0 | 1 | 21.52 | 22±1 |
| | | | | 25 | 12 | 1 | 21.48 | 22±1 |
| | | | | 25 | 24 | 1 | 21.44 | 22±1 |
| | | | | 50 | 0 | 1 | 21.51 | 22±1 |
| | 21400 | 2565 | | 1 | 0 | 1 | 21.93 | 21.5±1 |
| | | | | 1 | 24 | 1 | 21.88 | 21.5±1 |
| | | | | 1 | 49 | 1 | 22 | 21.5±1 |
| | | | 16QAM | 25 | 0 | 2 | 21.88 | 21.5±1 |
| | | | | 25 | 12 | 2 | 21.85 | 21.5±1 |
| | | | | 25 | 24 | 2 | 21.95 | 21.5±1 |
| | | | | 50 | 0 | 2 | 20.54 | 21.5±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 22.66 | 22.2±1 |
| | | | | 1 | 12 | 0 | 22.61 | 22.2±1 |
| | | | | 1 | 24 | 0 | 22.6 | 22.2±1 |
| | | | QPSK | 12 | 0 | 1 | 21.63 | 22.2±1 |
| | | | | 12 | 6 | 1 | 21.55 | 22.2±1 |
| | | | | 12 | 11 | 1 | 21.66 | 22.2±1 |
| | | | | 25 | 0 | 1 | 21.6 | 22.2±1 |
| | 19975 | 1712.5 | | 1 | 0 | 1 | 21.89 | 21.5±1 |
| | | | | 1 | 12 | 1 | 21.94 | 21.5±1 |
| | | | | 1 | 24 | 1 | 21.79 | 21.5±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.93 | 21.5±1 |
| | | | | 12 | 6 | 2 | 21.95 | 21.5±1 |
| | | | | 12 | 11 | 2 | 21.84 | 21.5±1 |
| | | | | 25 | 0 | 2 | 20.56 | 21.5±1 |
| | | | | 1 | 0 | 0 | 22.61 | 22.3±1 |
| | | | | 1 | 12 | 0 | 22.62 | 22.3±1 |
| | | | | 1 | 24 | 0 | 22.66 | 22.3±1 |
| | | 1732.5 | QPSK | 12 | 0 | 1 | 21.62 | 22.3±1 |
| | | | | 12 | 6 | 1 | 21.55 | 22.3±1 |
| | | | | 12 | 11 | 1 | 21.59 | 22.3±1 |
| | | | | 25 | 0 | 1 | 21.56 | 22.3±1 |
| 5MHz | 20175 | | | 1 | 0 | 1 | 21.53 | 21.3±1 |
| | | | | 1 | 12 | 1 | 21.54 | 21.3±1 |
| | | | | 1 | 24 | 1 | 21.46 | 21.3±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.49 | 21.3±1 |
| | | | | 12 | 6 | 2 | 21.56 | 21.3±1 |
| | | | | 12 | 11 | 2 | 21.56 | 21.3±1 |
| | | | | 25 | 0 | 2 | 20.58 | 21.3±1 |
| | | | | 1 | 0 | 0 | 22.37 | 22±1 |
| | | | | 1 | 12 | 0 | 22.29 | 22±1 |
| | | | | 1 | 24 | 0 | 22.32 | 22±1 |
| | | | QPSK | 12 | 0 | 1 | 21.47 | 22±1 |
| | | | | 12 | 6 | 1 | 21.53 | 22±1 |
| | | | | 12 | 11 | 1 | 21.45 | 22±1 |
| | | | | 25 | 0 | 1 | 21.39 | 22±1 |
| | 20375 | 1752.5 | | 1 | 0 | 1 | 21.43 | 21.5±1 |
| | | | | 1 | 12 | 1 | 21.53 | 21.5±1 |
| | | | | 1 | 24 | 1 | 21.45 | 21.5±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.43 | 21.5±1 |
| | | | | 12 | 6 | 2 | 21.53 | 21.5±1 |
| | | | | 12 | 11 | 2 | 21.5 | 21.5±1 |
| | | | | 25 | 0 | 2 | 20.53 | 21.5±1 |



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LTE Band XII:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.06 | 23±1 |
| | | | | 1 | 24 | 0 | 22.98 | 23±1 |
| | | | | 1 | 49 | 0 | 23.03 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 23.05 | 23±1 |
| | | | | 25 | 12 | 1 | 23 | 23±1 |
| | | | | 25 | 24 | 1 | 22.97 | 23±1 |
| | 23060 | 704 | | 50 | 0 | 1 | 23.07 | 23±1 |
| | 23000 | 704 | | 1 | 0 | 1 | 22.9 | 23±1 |
| | | | | 1 | 24 | 1 | 22.99 | 23±1 |
| | | | | 1 | 49 | 1 | 22.81 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.92 | 23±1 |
| | | | | 25 | 12 | 2 | 22.94 | 23±1 |
| | | | | 25 | 24 | 2 | 22.9 | 23±1 |
| | | | | 50 | 0 | 2 | 23.03 | 23±1 |
| | | | | 1 | 0 | 0 | 23.07 | 23±1 |
| | | | QPSK | 1 | 24 | 0 | 22.97 | 23±1 |
| | | | | 1 | 49 | 0 | 22.97 | 23±1 |
| | | | | 25 | 0 | 1 | 23.06 | 23±1 |
| | | | | 25 | 12 | 1 | 22.99 | 23±1 |
| | | | | 25 | 24 | 1 | 23 | 23±1 |
| 10MHz | 23095 | 5 707.5 | | 50 | 0 | 1 | 23.09 | 23±1 |
| TOMILIZ | 23093 | | 16QAM | 1 | 0 | 1 | 22.99 | 23±1 |
| | | | | 1 | 24 | 1 | 22.99 | 23±1 |
| | | | | 1 | 49 | 1 | 22.98 | 23±1 |
| | | | | 25 | 0 | 2 | 22.99 | 23±1 |
| | | | | 25 | 12 | 2 | 23.02 | 23±1 |
| | | | | 25 | 24 | 2 | 23.03 | 23±1 |
| | | | | 50 | 0 | 2 | 23.09 | 23±1 |
| | | | | 1 | 0 | 0 | 23 | 23±1 |
| | | | | 1 | 24 | 0 | 22.95 | 23±1 |
| | | | | 1 | 49 | 0 | 23.08 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 23.13 | 23±1 |
| | | | | 25 | 12 | 1 | 23.16 | 23±1 |
| | | | | 25 | 24 | 1 | 23.05 | 23±1 |
| | 23130 | 711 | | 50 | 0 | 1 | 23.11 | 23±1 |
| | 23130 | /11 | | 1 | 0 | 1 | 22.57 | 23±1 |
| | | | | 1 | 24 | 1 | 22.48 | 23±1 |
| | | | | 1 | 49 | 1 | 22.67 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.49 | 23±1 |
| | | | | 25 | 12 | 2 | 22.6 | 23±1 |
| | | | | 25 | 24 | 2 | 22.65 | 23±1 |
| | | | | 50 | 0 | 2 | 23.01 | 23±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.03 | 23±1 |
| | | | | 1 | 12 | 0 | 23.11 | 23±1 |
| | | | | 1 | 24 | 0 | 23.03 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 23.06 | 23±1 |
| | | | | 12 | 6 | 1 | 22.99 | 23±1 |
| | | | | 12 | 11 | 1 | 23.08 | 23±1 |
| | 22025 | 701 5 | | 25 | 0 | 1 | 22.98 | 23±1 |
| | 23035 | 701.5 | | 1 | 0 | 1 | 22.37 | 22.5±1 |
| | | | | 1 | 12 | 1 | 22.35 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.45 | 22.5±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.34 | 22.5±1 |
| | | | | 12 | 6 | 2 | 22.45 | 22.5±1 |
| | | | | 12 | 11 | 2 | 22.4 | 22.5±1 |
| | | | | 25 | 0 | 2 | 22.97 | 22.5±1 |
| | | | | 1 | 0 | 0 | 23 | 23±1 |
| | | 5 707.5 | QPSK | 1 | 12 | 0 | 23.09 | 23±1 |
| | | | | 1 | 24 | 0 | 23.03 | 23±1 |
| | | | | 12 | 0 | 1 | 23.11 | 23±1 |
| | | | | 12 | 6 | 1 | 23.06 | 23±1 |
| | | | | 12 | 11 | 1 | 23.08 | 23±1 |
| | •••• | | | 25 | 0 | 1 | 23.08 | 23±1 |
| 5MHz | 23095 | | | 1 | 0 | 1 | 22.55 | 23±1 |
| | | | | 1 | 12 | 1 | 22.6 | 23±1 |
| | | | | 1 | 24 | 1 | 22.53 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.45 | 23±1 |
| | | | 2000 | 12 | 6 | 2 | 22.53 | 23±1 |
| | | | | 12 | 11 | 2 | 22.51 | 23±1 |
| | | | | 25 | 0 | 2 | 23.07 | 23±1 |
| | | | | 1 | 0 | 0 | 23.14 | 23±1 |
| | | | | 1 | 12 | 0 | 23.09 | 23±1 |
| | | | | 1 | 24 | 0 | 23.18 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 23.16 | 23±1 |
| | | | | 12 | 6 | 1 | 23.1 | 23±1 |
| | | | | 12 | 11 | 1 | 23.22 | 23±1 |
| | | | | 25 | 0 | 1 | 23.09 | 23±1 |
| | 23155 | 713.5 | | 1 | 0 | 1 | 23.09 | 23±1 |
| | | | | 1 | 12 | 1 | 23.13 | 23±1 |
| | | | | 1 | 24 | 1 | 23.16 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 23.17 | 23±1 |
| | | | | 12 | 6 | 2 | 23.11 | 23±1 |
| | | | | 12 | 11 | 2 | 23.16 | 23±1 |
| | | | | 25 | 0 | 2 | 23.02 | 23±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|---------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.03 | 23±1 |
| | | | | 1 | 7 | 0 | 23.01 | 23±1 |
| | | | | 1 | 14 | 0 | 22.93 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 23.01 | 23±1 |
| | | | | 8 | 4 | 1 | 22.96 | 23±1 |
| | | | | 8 | 7 | 1 | 23.1 | 23±1 |
| | 23025 | 700.5 | | 15 | 0 | 1 | 23.05 | 23±1 |
| | 23023 | 700.5 | | 1 | 0 | 1 | 22.83 | 23±1 |
| | | | | 1 | 7 | 1 | 22.9 | 23±1 |
| | | | | 1 | 14 | 1 | 22.84 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.96 | 23±1 |
| | | | | 8 | 4 | 2 | 22.91 | 23±1 |
| | | | | 8 | 7 | 2 | 22.99 | 23±1 |
| | | | | 15 | 0 | 2 | 22.95 | 23±1 |
| | | | | 1 | 0 | 0 | 23.03 | 23±1 |
| | | | | 1 | 7 | 0 | 22.91 | 23±1 |
| | | | | 1 | 14 | 0 | 23.13 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.98 | 23±1 |
| | | | | 8 | 4 | 1 | 23.04 | 23±1 |
| | | | | 8 | 7 | 1 | 23.04 | 23±1 |
| 28.411 | 22005 | 095 707.5 | | 15 | 0 | 1 | 23.1 | 23±1 |
| 3MHz | 23095 | | | 1 | 0 | 1 | 22.95 | 23±1 |
| | | | | 1 | 7 | 1 | 23.05 | 23±1 |
| | | | | 1 | 14 | 1 | 23.05 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.82 | 23±1 |
| | | | | 8 | 4 | 2 | 22.72 | 23±1 |
| | | | | 8 | 7 | 2 | 22.89 | 23±1 |
| | | | | 15 | 0 | 2 | 23.08 | 23±1 |
| | | | | 1 | 0 | 0 | 22.9 | 23±1 |
| | | | | 1 | 7 | 0 | 22.85 | 23±1 |
| | | | | 1 | 14 | 0 | 22.89 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 23.04 | 23±1 |
| | | | | 8 | 4 | 1 | 23.08 | 23±1 |
| | | | | 8 | 7 | 1 | 23.11 | 23±1 |
| | 22025 | 7445 | | 15 | 0 | 1 | 23.06 | 23±1 |
| | 23025 | 714.5 | | 1 | 0 | 1 | 22.46 | 23±1 |
| | | | | 1 | 7 | 1 | 22.44 | 23±1 |
| | | | | 1 | 14 | 1 | 22.51 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.99 | 23±1 |
| | | | TOQAIVI | 8 | 4 | 2 | 23.01 | 23±1 |
| | | | | 8 | 7 | 2 | 22.97 | 23±1 |
| | | | | 15 | 0 | 2 | 23.01 | 23±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.01 | 23±1 |
| | | | | 1 | 2 | 0 | 22.91 | 23±1 |
| | | | | 1 | 5 | 0 | 22.99 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.1 | 23±1 |
| | | | | 3 | 1 | 0 | 23.17 | 23±1 |
| | | | | 3 | 2 | 0 | 23.05 | 23±1 |
| | 23017 | 699.7 | | 6 | 0 | 1 | 23 | 23±1 |
| | 23017 | 699.7 | | 1 | 0 | 1 | 22.83 | 22.5±1 |
| | | | | 1 | 2 | 1 | 22.88 | 22.5±1 |
| | | | | 1 | 5 | 1 | 22.84 | 22.5±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.88 | 22.5±1 |
| | | | | 3 | 1 | 1 | 22.91 | 22.5±1 |
| | | | | 3 | 2 | 1 | 22.88 | 22.5±1 |
| | | | | 6 | 0 | 2 | 22.95 | 22.5±1 |
| | | | | 1 | 0 | 0 | 23.07 | 23±1 |
| | | | | 1 | 2 | 0 | 23.09 | 23±1 |
| | | | QPSK | 1 | 5 | 0 | 23.1 | 23±1 |
| | | | | 3 | 0 | 0 | 23.13 | 23±1 |
| | | | | 3 | 1 | 0 | 23.11 | 23±1 |
| | | | | 3 | 2 | 0 | 23.16 | 23±1 |
| | | | | 6 | 0 | 1 | 23.03 | 23±1 |
| 1.4MHz | 23095 | 707.5 | | 1 | 0 | 1 | 22.99 | 23±1 |
| | | | | 1 | 2 | 1 | 22.89 | 23±1 |
| | | | | 1 | 5 | 1 | 23.08 | 23±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.9 | 23±1 |
| | | | | 3 | 1 | 1 | 22.99 | 23±1 |
| | | | | 3 | 2 | 1 | 22.99 | 23±1 |
| | | | | 6 | 0 | 2 | 22.89 | 23±1 |
| | | | | 1 | 0 | 0 | 22.94 | 23±1 |
| | | | | 1 | 2 | 0 | 22.99 | 23±1 |
| | | | | 1 | 5 | 0 | 23.04 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.1 | 23±1 |
| | | | | 3 | 1 | 0 | 23.18 | 23±1 |
| | | | | 3 | 2 | 0 | 23.05 | 23±1 |
| | | | | 6 | 0 | 1 | 22.99 | 23±1 |
| | 23173 | 715.3 | | 1 | 0 | 1 | 22.62 | 22.5±1 |
| | | | | 1 | 2 | 1 | 22.54 | 22.5±1 |
| | | | | 1 | 5 | 1 | 22.53 | 22.5±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.7 | 22.5±1 |
| | | | | 3 | 1 | 1 | 22.53 | 22.5±1 |
| | | | | 3 | 2 | 1 | 22.7 | 22.5±1 |
| | | | | 6 | 0 | 2 | 22.86 | 22.5±1 |



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LTE Band XVII:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.95 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.88 | 23.5±1 |
| | | | | 1 | 49 | 0 | 23.87 | 23.5±1 |
| | | | QPSK | 25 | 0 | 1 | 22.92 | 23.5±1 |
| | | | | 25 | 12 | 1 | 22.93 | 23.5±1 |
| | | | | 25 | 24 | 1 | 22.94 | 23.5±1 |
| | 23780 | 709.0 | | 50 | 0 | 1 | 22.95 | 23.5±1 |
| | 23/60 | 709.0 | | 1 | 0 | 1 | 22.75 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.82 | 22.5±1 |
| | | | | 1 | 49 | 1 | 22.65 | 22.5±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.77 | 22.5±1 |
| | | | | 25 | 12 | 2 | 22.69 | 22.5±1 |
| | | | | 25 | 24 | 2 | 22.67 | 22.5±1 |
| | | | | 50 | 0 | 2 | 21.92 | 22.5±1 |
| | | | | 1 | 0 | 0 | 23.93 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.89 | 23.5±1 |
| | | | QPSK | 1 | 49 | 0 | 23.85 | 23.5±1 |
| | | 701.0 | | 25 | 0 | 1 | 22.91 | 23.5±1 |
| | | | | 25 | 12 | 1 | 22.93 | 23.5±1 |
| | | | | 25 | 24 | 1 | 22.88 | 23.5±1 |
| 400411- | 22700 | | | 50 | 0 | 1 | 22.92 | 23.5±1 |
| 10MHz | 23790 | | | 1 | 0 | 1 | 22.87 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.9 | 22.5±1 |
| | | | | 1 | 49 | 1 | 22.83 | 22.5±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.92 | 22.5±1 |
| | | | | 25 | 12 | 2 | 22.9 | 22.5±1 |
| | | | | 25 | 24 | 2 | 22.82 | 22.5±1 |
| | | | | 50 | 0 | 2 | 21.88 | 22.5±1 |
| | | | | 1 | 0 | 0 | 23.81 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.8 | 23.5±1 |
| | | | | 1 | 49 | 0 | 23.8 | 23.5±1 |
| | | | QPSK | 25 | 0 | 1 | 22.93 | 23.5±1 |
| | | | | 25 | 12 | 1 | 23 | 23.5±1 |
| | | | | 25 | 24 | 1 | 22.96 | 23.5±1 |
| | 22000 | 744.0 | | 50 | 0 | 1 | 22.94 | 23.5±1 |
| | 23800 | 711.0 | | 1 | 0 | 1 | 23.28 | 23±1 |
| | | | | 1 | 24 | 1 | 23.37 | 23±1 |
| | | | | 1 | 49 | 1 | 23.36 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 23.33 | 23±1 |
| | | | | 25 | 12 | 2 | 23.24 | 23±1 |
| | | | | 25 | 24 | 2 | 23.24 | 23±1 |
| | | | | 50 | 0 | 2 | 22.91 | 23±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.86 | 23.5±1 |
| | | | | 1 | 12 | 0 | 23.85 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.76 | 23.5±1 |
| | | | QPSK | 12 | 0 | 1 | 22.93 | 23.5±1 |
| | | | | 12 | 6 | 1 | 22.88 | 23.5±1 |
| | | | | 12 | 11 | 1 | 22.85 | 23.5±1 |
| | 22755 | 706 5 | | 25 | 0 | 1 | 22.92 | 23.5±1 |
| | 23755 | 706.5 | | 1 | 0 | 1 | 23.28 | 23±1 |
| | | | | 1 | 12 | 1 | 23.32 | 23±1 |
| | | | | 1 | 24 | 1 | 23.24 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 23.21 | 23±1 |
| | | | | 12 | 6 | 2 | 23.22 | 23±1 |
| | | | | 12 | 11 | 2 | 23.35 | 23±1 |
| | | | | 25 | 0 | 2 | 22.85 | 23±1 |
| | | | | 1 | 0 | 0 | 23.81 | 23.5±1 |
| | | | | 1 | 12 | 0 | 23.74 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.85 | 23.5±1 |
| | | | QPSK | 12 | 0 | 1 | 22.95 | 23.5±1 |
| | | | | 12 | 6 | 1 | 22.91 | 23.5±1 |
| | | | | 12 | 11 | 1 | 22.98 | 23.5±1 |
| | 22700 | 790 710.0 | | 25 | 0 | 1 | 22.92 | 23.5±1 |
| 5MHz | 23790 | | | 1 | 0 | 1 | 22.89 | 22.5±1 |
| | | | | 1 | 12 | 1 | 22.95 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.93 | 22.5±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.96 | 22.5±1 |
| | | | | 12 | 6 | 2 | 22.82 | 22.5±1 |
| | | | | 12 | 11 | 2 | 22.87 | 22.5±1 |
| | | | | 25 | 0 | 2 | 21.89 | 22.5±1 |
| | | | | 1 | 0 | 0 | 23.9 | 23.5±1 |
| | | | | 1 | 12 | 0 | 23.87 | 23.5±1 |
| | | | | 1 | 24 | 0 | 23.91 | 23.5±1 |
| | | | QPSK | 12 | 0 | 1 | 22.98 | 23.5±1 |
| | | | | 12 | 6 | 1 | 22.91 | 23.5±1 |
| | | | | 12 | 11 | 1 | 23.01 | 23.5±1 |
| | 2252- | 740 - | | 25 | 0 | 1 | 22.91 | 23.5±1 |
| | 23825 | 713.5 | | 1 | 0 | 1 | 22.89 | 22.5±1 |
| | | | | 1 | 12 | 1 | 22.85 | 22.5±1 |
| | | | | 1 | 24 | 1 | 22.91 | 22.5±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.87 | 22.5±1 |
| | | | | 12 | 6 | 2 | 22.94 | 22.5±1 |
| | | | | 12 | 11 | 2 | 22.87 | 22.5±1 |
| | | | | 25 | 0 | 2 | 21.91 | 22.5±1 |



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ERP & EIRP

EIRP for LTE Band II (Part 24E)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substitut ed level (dBm) | Antenna Polarizati on | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 1850.7 | 1.4 | QPSK | 1/0 | 13.53 | V | 7.88 | 0.85 | 20.56 | 33.01 |
| 1880 | 1.4 | QPSK | 1/0 | 13.52 | V | 7.88 | 0.85 | 20.55 | 33.01 |
| 1909.3 | 1.4 | QPSK | 1/0 | 13.29 | V | 7.88 | 0.85 | 20.32 | 33.01 |
| 1850.7 | 1.4 | QPSK | 1/0 | 11.07 | Н | 7.88 | 0.85 | 18.1 | 33.01 |
| 1880 | 1.4 | QPSK | 1/0 | 11.75 | Н | 7.88 | 0.85 | 18.78 | 33.01 |
| 1909.3 | 1.4 | QPSK | 1/0 | 12.01 | Н | 7.88 | 0.85 | 19.04 | 33.01 |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 12.27 | V | 7.88 | 0.85 | 19.3 | 33.01 |
| 1880 | 1.4 | 16-QAM | 1/0 | 12.43 | V | 7.88 | 0.85 | 19.46 | 33.01 |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 12.22 | V | 7.88 | 0.85 | 19.25 | 33.01 |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 10.11 | Н | 7.88 | 0.85 | 17.14 | 33.01 |
| 1880 | 1.4 | 16-QAM | 1/0 | 10.34 | Н | 7.88 | 0.85 | 17.37 | 33.01 |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 10.71 | Η | 7.88 | 0.85 | 17.74 | 33.01 |
| 1851.5 | 3 | QPSK | 1/0 | 13.53 | V | 7.88 | 0.85 | 20.56 | 33.01 |
| 1880 | 3 | QPSK | 1/0 | 13.53 | V | 7.88 | 0.85 | 20.56 | 33.01 |
| 1908.5 | 3 | QPSK | 1/0 | 13.27 | V | 7.88 | 0.85 | 20.3 | 33.01 |
| 1851.5 | 3 | QPSK | 1/0 | 11.32 | Н | 7.88 | 0.85 | 18.35 | 33.01 |
| 1880 | 3 | QPSK | 1/0 | 11.43 | Н | 7.88 | 0.85 | 18.46 | 33.01 |
| 1908.5 | 3 | QPSK | 1/0 | 10.8 | Н | 7.88 | 0.85 | 17.83 | 33.01 |
| 1851.5 | 3 | 16-QAM | 1/0 | 12.25 | V | 7.88 | 0.85 | 19.28 | 33.01 |
| 1880 | 3 | 16-QAM | 1/0 | 12.44 | V | 7.88 | 0.85 | 19.47 | 33.01 |
| 1908.5 | 3 | 16-QAM | 1/0 | 12.66 | V | 7.88 | 0.85 | 19.69 | 33.01 |
| 1851.5 | 3 | 16-QAM | 1/0 | 9.97 | Н | 7.88 | 0.85 | 17 | 33.01 |
| 1880 | 3 | 16-QAM | 1/0 | 10.56 | Н | 7.88 | 0.85 | 17.59 | 33.01 |
| 1908.5 | 3 | 16-QAM | 1/0 | 10.8 | Н | 7.88 | 0.85 | 17.83 | 33.01 |
| 1852.5 | 5 | QPSK | 1/24 | 13.45 | V | 7.88 | 0.85 | 20.48 | 33.01 |
| 1880 | 5 | QPSK | 1/0 | 13.51 | V | 7.88 | 0.85 | 20.54 | 33.01 |
| 1907.5 | 5 | QPSK | 1/24 | 13.45 | V | 7.88 | 0.85 | 20.48 | 33.01 |
| 1852.5 | 5 | QPSK | 1/24 | 11.56 | Н | 7.88 | 0.85 | 18.59 | 33.01 |
| 1880 | 5 | QPSK | 1/0 | 12.21 | Н | 7.88 | 0.85 | 19.24 | 33.01 |
| 1907.5 | 5 | QPSK | 1/24 | 11.17 | Н | 7.88 | 0.85 | 18.2 | 33.01 |
| 1852.5 | 5 | 16-QAM | 1/24 | 12.81 | V | 7.88 | 0.85 | 19.84 | 33.01 |



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| 1880 | 5 | 16-QAM | 1/0 | 12.51 | V | 7.88 | 0.85 | 19.54 | 33.01 |
|--------|----|--------|------|-------|---|------|------|-------|-------|
| 1907.5 | 5 | 16-QAM | 1/24 | 12.38 | V | 7.88 | 0.85 | 19.41 | 33.01 |
| 1852.5 | 5 | 16-QAM | 1/24 | 11.3 | Н | 7.88 | 0.85 | 18.33 | 33.01 |
| 1880 | 5 | 16-QAM | 1/0 | 11.43 | Н | 7.88 | 0.85 | 18.46 | 33.01 |
| 1907.5 | 5 | 16-QAM | 1/24 | 11.15 | Н | 7.88 | 0.85 | 18.18 | 33.01 |
| 1855 | 10 | QPSK | 1/0 | 13.56 | V | 7.88 | 0.85 | 20.59 | 33.01 |
| 1880 | 10 | QPSK | 1/0 | 13.59 | V | 7.88 | 0.85 | 20.62 | 33.01 |
| 1905 | 10 | QPSK | 1/49 | 13.47 | V | 7.88 | 0.85 | 20.5 | 33.01 |
| 1855 | 10 | QPSK | 1/0 | 11.61 | Н | 7.88 | 0.85 | 18.64 | 33.01 |
| 1880 | 10 | QPSK | 1/0 | 11.56 | Н | 7.88 | 0.85 | 18.59 | 33.01 |
| 1905 | 10 | QPSK | 1/49 | 11.23 | Н | 7.88 | 0.85 | 18.26 | 33.01 |
| 1855 | 10 | 16-QAM | 1/0 | 12.28 | V | 7.88 | 0.85 | 19.31 | 33.01 |
| 1880 | 10 | 16-QAM | 1/0 | 12.48 | V | 7.88 | 0.85 | 19.51 | 33.01 |
| 1905 | 10 | 16-QAM | 1/49 | 12.91 | V | 7.88 | 0.85 | 19.94 | 33.01 |
| 1855 | 10 | 16-QAM | 1/0 | 10.82 | Н | 7.88 | 0.85 | 17.85 | 33.01 |
| 1880 | 10 | 16-QAM | 1/0 | 11.2 | Н | 7.88 | 0.85 | 18.23 | 33.01 |
| 1905 | 10 | 16-QAM | 1/49 | 10.49 | Н | 7.88 | 0.85 | 17.52 | 33.01 |
| 1857.5 | 15 | QPSK | 1/0 | 13.6 | V | 7.88 | 0.85 | 20.63 | 33.01 |
| 1880 | 15 | QPSK | 1/0 | 13.64 | V | 7.88 | 0.85 | 20.67 | 33.01 |
| 1902.5 | 15 | QPSK | 1/0 | 13.5 | V | 7.88 | 0.85 | 20.53 | 33.01 |
| 1857.5 | 15 | QPSK | 1/0 | 11.19 | Η | 7.88 | 0.85 | 18.22 | 33.01 |
| 1880 | 15 | QPSK | 1/0 | 12.56 | Н | 7.88 | 0.85 | 19.59 | 33.01 |
| 1902.5 | 15 | QPSK | 1/0 | 12.39 | Н | 7.88 | 0.85 | 19.42 | 33.01 |
| 1857.5 | 15 | 16-QAM | 1/0 | 12.33 | V | 7.88 | 0.85 | 19.36 | 33.01 |
| 1880 | 15 | 16-QAM | 1/0 | 12.67 | V | 7.88 | 0.85 | 19.7 | 33.01 |
| 1902.5 | 15 | 16-QAM | 1/0 | 13.05 | V | 7.88 | 0.85 | 20.08 | 33.01 |
| 1857.5 | 15 | 16-QAM | 1/0 | 10.37 | Н | 7.88 | 0.85 | 17.4 | 33.01 |
| 1880 | 15 | 16-QAM | 1/0 | 10.63 | Н | 7.88 | 0.85 | 17.66 | 33.01 |
| 1902.5 | 15 | 16-QAM | 1/0 | 11.98 | Н | 7.88 | 0.85 | 19.01 | 33.01 |
| 1860 | 20 | QPSK | 1/0 | 13.62 | V | 7.88 | 0.85 | 20.65 | 33.01 |
| 1880 | 20 | QPSK | 1/0 | 13.56 | V | 7.88 | 0.85 | 20.59 | 33.01 |
| 1900 | 20 | QPSK | 1/0 | 13.63 | V | 7.88 | 0.85 | 20.66 | 33.01 |
| 1860 | 20 | QPSK | 1/0 | 12.17 | Н | 7.88 | 0.85 | 19.2 | 33.01 |
| 1880 | 20 | QPSK | 1/0 | 12.16 | Н | 7.88 | 0.85 | 19.19 | 33.01 |
| 1900 | 20 | QPSK | 1/0 | 11.3 | Н | 7.88 | 0.85 | 18.33 | 33.01 |



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| 1860 | 20 | 16-QAM | 1/0 | 12.51 | V | 7.88 | 0.85 | 19.54 | 33.01 |
|------|----|--------|-----|-------|---|------|------|-------|-------|
| 1880 | 20 | 16-QAM | 1/0 | 12.75 | V | 7.88 | 0.85 | 19.78 | 33.01 |
| 1900 | 20 | 16-QAM | 1/0 | 13 | V | 7.88 | 0.85 | 20.03 | 33.01 |
| 1860 | 20 | 16-QAM | 1/0 | 10.08 | Н | 7.88 | 0.85 | 17.11 | 33.01 |
| 1880 | 20 | 16-QAM | 1/0 | 10.6 | Н | 7.88 | 0.85 | 17.63 | 33.01 |
| 1900 | 20 | 16-QAM | 1/0 | 11.22 | Н | 7.88 | 0.85 | 18.25 | 33.01 |



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EIRP for LTE Band IV (Part 27)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substitut ed level (dBm) | Antenna Polarizati on | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 1710.7 | 1.4 | QPSK | 1/0 | 13.64 | V | 7.95 | 0.79 | 20.8 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 13.69 | V | 7.95 | 0.79 | 20.85 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 13.77 | ٧ | 7.95 | 0.79 | 20.93 | 30 |
| 1710.7 | 1.4 | QPSK | 1/0 | 11.7 | Η | 7.95 | 0.79 | 18.86 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 11.58 | Η | 7.95 | 0.79 | 18.74 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 11.89 | Η | 7.95 | 0.79 | 19.05 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 12.55 | V | 7.95 | 0.79 | 19.71 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 12.6 | V | 7.95 | 0.79 | 19.76 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 12.53 | V | 7.95 | 0.79 | 19.69 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 10.51 | Η | 7.95 | 0.79 | 17.67 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 11.38 | Η | 7.95 | 0.79 | 18.54 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 10.35 | Н | 7.95 | 0.79 | 17.51 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 13.65 | V | 7.95 | 0.79 | 20.81 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 13.71 | ٧ | 7.95 | 0.79 | 20.87 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 13.81 | ٧ | 7.95 | 0.79 | 20.97 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 12.16 | Н | 7.95 | 0.79 | 19.32 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 11.92 | Η | 7.95 | 0.79 | 19.08 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 12.54 | Η | 7.95 | 0.79 | 19.7 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 12.47 | ٧ | 7.95 | 0.79 | 19.63 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 12.66 | ٧ | 7.95 | 0.79 | 19.82 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 13.25 | V | 7.95 | 0.79 | 20.41 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 10.75 | Η | 7.95 | 0.79 | 17.91 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 10.89 | Η | 7.95 | 0.79 | 18.05 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 11.42 | Η | 7.95 | 0.79 | 18.58 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 13.66 | V | 7.95 | 0.79 | 20.82 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 13.67 | V | 7.95 | 0.79 | 20.83 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 13.9 | V | 7.95 | 0.79 | 21.06 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 11.82 | Н | 7.95 | 0.79 | 18.98 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 11.99 | Н | 7.95 | 0.79 | 19.15 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 12.72 | Н | 7.95 | 0.79 | 19.88 | 30 |
| 1712.5 | 5 | 16-QAM | 1/0 | 13.01 | V | 7.95 | 0.79 | 20.17 | 30 |
| 1732.5 | 5 | 16-QAM | 1/0 | 12.69 | V | 7.95 | 0.79 | 19.85 | 30 |



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| 1752.5 | 5 | 16-QAM | 1/24 | 12.79 | V | 7.95 | 0.79 | 19.95 | 30 |
|--------|----|--------|------|-------|---|------|------|-------|----|
| 1712.5 | 5 | 16-QAM | 1/0 | 10.65 | Н | 7.95 | 0.79 | 17.81 | 30 |
| 1732.5 | 5 | 16-QAM | 1/0 | 11.16 | Н | 7.95 | 0.79 | 18.32 | 30 |
| 1752.5 | 5 | 16-QAM | 1/24 | 11.27 | Н | 7.95 | 0.79 | 18.43 | 30 |
| 1715 | 10 | QPSK | 1/0 | 13.72 | V | 7.95 | 0.79 | 20.88 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 13.65 | V | 7.95 | 0.79 | 20.81 | 30 |
| 1750 | 10 | QPSK | 1/0 | 13.64 | V | 7.95 | 0.79 | 20.8 | 30 |
| 1715 | 10 | QPSK | 1/0 | 11.47 | Н | 7.95 | 0.79 | 18.63 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 11.72 | Н | 7.95 | 0.79 | 18.88 | 30 |
| 1750 | 10 | QPSK | 1/0 | 12.06 | Н | 7.95 | 0.79 | 19.22 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 12.53 | V | 7.95 | 0.79 | 19.69 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 12.68 | V | 7.95 | 0.79 | 19.84 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 13.29 | V | 7.95 | 0.79 | 20.45 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 11.31 | Н | 7.95 | 0.79 | 18.47 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 10.59 | Н | 7.95 | 0.79 | 17.75 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 11.41 | Н | 7.95 | 0.79 | 18.57 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 13.75 | V | 7.95 | 0.79 | 20.91 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 13.67 | V | 7.95 | 0.79 | 20.83 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 13.81 | V | 7.95 | 0.79 | 20.97 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 12.23 | Н | 7.95 | 0.79 | 19.39 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 11.78 | Н | 7.95 | 0.79 | 18.94 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 12.55 | Н | 7.95 | 0.79 | 19.71 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 12.56 | V | 7.95 | 0.79 | 19.72 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 12.81 | V | 7.95 | 0.79 | 19.97 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 13.31 | V | 7.95 | 0.79 | 20.47 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 10.6 | Н | 7.95 | 0.79 | 17.76 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 11.43 | Н | 7.95 | 0.79 | 18.59 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 11.74 | Н | 7.95 | 0.79 | 18.9 | 30 |
| 1720 | 20 | QPSK | 1/99 | 13.75 | V | 7.95 | 0.79 | 20.91 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 13.73 | V | 7.95 | 0.79 | 20.89 | 30 |
| 1745 | 20 | QPSK | 1/0 | 13.9 | V | 7.95 | 0.79 | 21.06 | 30 |
| 1720 | 20 | QPSK | 1/99 | 11.52 | Н | 7.95 | 0.79 | 18.68 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 12.26 | Н | 7.95 | 0.79 | 19.42 | 30 |
| 1745 | 20 | QPSK | 1/0 | 11.94 | Н | 7.95 | 0.79 | 19.1 | 30 |
| 1720 | 20 | 16-QAM | 1/99 | 12.61 | V | 7.95 | 0.79 | 19.77 | 30 |



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| _ | | | | | | | | | | |
|---|--------|----|--------|------|-------|---|------|------|-------|----|
| I | 1732.5 | 20 | 16-QAM | 1/99 | 13.16 | V | 7.95 | 0.79 | 20.32 | 30 |
| | 1745 | 20 | 16-QAM | 1/0 | 12.81 | V | 7.95 | 0.79 | 19.97 | 30 |
| | 1720 | 20 | 16-QAM | 1/99 | 10.54 | Η | 7.95 | 0.79 | 17.7 | 30 |
| I | 1732.5 | 20 | 16-QAM | 1/99 | 12.11 | Н | 7.95 | 0.79 | 19.27 | 30 |
| Ī | 1745 | 20 | 16-QAM | 1/0 | 11.73 | Н | 7.95 | 0.79 | 18.89 | 30 |



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ERP for LTE Band VII (Part 27)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substitut ed level (dBm) | Antenna Polarizati on | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 2502.5 | 5 | QPSK | 1/0 | 12.06 | V | 8.93 | 0.83 | 20.16 | 30 |
| 2535 | 5 | QPSK | 1/0 | 12.01 | V | 8.93 | 0.83 | 20.11 | 30 |
| 2567.5 | 5 | QPSK | 1/24 | 11.77 | V | 8.93 | 0.83 | 19.87 | 30 |
| 2502.5 | 5 | QPSK | 1/0 | 9.76 | Η | 8.93 | 0.83 | 17.86 | 30 |
| 2535 | 5 | QPSK | 1/0 | 10 | Η | 8.93 | 0.83 | 18.1 | 30 |
| 2567.5 | 5 | QPSK | 1/24 | 9.47 | Н | 8.93 | 0.83 | 17.57 | 30 |
| 2502.5 | 5 | 16-QAM | 1/0 | 11.29 | V | 8.93 | 0.83 | 19.39 | 30 |
| 2535 | 5 | 16-QAM | 1/0 | 10.93 | V | 8.93 | 0.83 | 19.03 | 30 |
| 2567.5 | 5 | 16-QAM | 1/24 | 10.83 | V | 8.93 | 0.83 | 18.93 | 30 |
| 2502.5 | 5 | 16-QAM | 1/0 | 9.65 | Н | 8.93 | 0.83 | 17.75 | 30 |
| 2535 | 5 | 16-QAM | 1/0 | 8.72 | Н | 8.93 | 0.83 | 16.82 | 30 |
| 2567.5 | 5 | 16-QAM | 1/24 | 8.47 | Н | 8.93 | 0.83 | 16.57 | 30 |
| 2505 | 10 | QPSK | 1/0 | 11.9 | V | 8.93 | 0.83 | 20 | 30 |
| 2535 | 10 | QPSK | 1/49 | 11.76 | V | 8.93 | 0.83 | 19.86 | 30 |
| 2565 | 10 | QPSK | 1/0 | 11.93 | V | 8.93 | 0.83 | 20.03 | 30 |
| 2505 | 10 | QPSK | 1/0 | 10.12 | Н | 8.93 | 0.83 | 18.22 | 30 |
| 2535 | 10 | QPSK | 1/49 | 10.4 | Н | 8.93 | 0.83 | 18.5 | 30 |
| 2565 | 10 | QPSK | 1/0 | 10.17 | Н | 8.93 | 0.83 | 18.27 | 30 |
| 2505 | 10 | 16-QAM | 1/0 | 10.86 | V | 8.93 | 0.83 | 18.96 | 30 |
| 2535 | 10 | 16-QAM | 1/49 | 10.69 | V | 8.93 | 0.83 | 18.79 | 30 |
| 2565 | 10 | 16-QAM | 1/0 | 11.33 | V | 8.93 | 0.83 | 19.43 | 30 |
| 2505 | 10 | 16-QAM | 1/0 | 8.63 | Н | 8.93 | 0.83 | 16.73 | 30 |
| 2535 | 10 | 16-QAM | 1/49 | 8.24 | Н | 8.93 | 0.83 | 16.34 | 30 |
| 2565 | 10 | 16-QAM | 1/0 | 10.24 | Н | 8.93 | 0.83 | 18.34 | 30 |
| 2507.5 | 15 | QPSK | 1/0 | 12.19 | V | 8.93 | 0.83 | 20.29 | 30 |
| 2535 | 15 | QPSK | 1/74 | 12.01 | V | 8.93 | 0.83 | 20.11 | 30 |
| 2562.5 | 15 | QPSK | 1/0 | 11.62 | V | 8.93 | 0.83 | 19.72 | 30 |
| 2507.5 | 15 | QPSK | 1/0 | 11.12 | Н | 8.93 | 0.83 | 19.22 | 30 |
| 2535 | 15 | QPSK | 1/74 | 10.06 | Н | 8.93 | 0.83 | 18.16 | 30 |
| 2562.5 | 15 | QPSK | 1/0 | 9.46 | Н | 8.93 | 0.83 | 17.56 | 30 |
| 2507.5 | 15 | 16-QAM | 1/0 | 10.91 | V | 8.93 | 0.83 | 19.01 | 30 |
| 2535 | 15 | 16-QAM | 1/74 | 11.16 | V | 8.93 | 0.83 | 19.26 | 30 |



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| 2562.5 | 15 | 16-QAM | 1/0 | 11.28 | V | 8.93 | 0.83 | 19.38 | 30 |
|--------|----|--------|------|-------|---|------|------|-------|----|
| 2507.5 | 15 | 16-QAM | 1/0 | 8.84 | Η | 8.93 | 0.83 | 16.94 | 30 |
| 2535 | 15 | 16-QAM | 1/74 | 9.11 | Н | 8.93 | 0.83 | 17.21 | 30 |
| 2562.5 | 15 | 16-QAM | 1/0 | 10.19 | Η | 8.93 | 0.83 | 18.29 | 30 |
| 2510 | 20 | QPSK | 1/99 | 12.07 | V | 8.93 | 0.83 | 20.17 | 30 |
| 2535 | 20 | QPSK | 1/99 | 11.54 | V | 8.93 | 0.83 | 19.64 | 30 |
| 2560 | 20 | QPSK | 1/0 | 11.46 | V | 8.93 | 0.83 | 19.56 | 30 |
| 2510 | 20 | QPSK | 1/99 | 10.79 | Η | 8.93 | 0.83 | 18.89 | 30 |
| 2535 | 20 | QPSK | 1/99 | 10.25 | Н | 8.93 | 0.83 | 18.35 | 30 |
| 2560 | 20 | QPSK | 1/0 | 9.57 | Н | 8.93 | 0.83 | 17.67 | 30 |
| 2510 | 20 | 16-QAM | 1/99 | 10.99 | V | 8.93 | 0.83 | 19.09 | 30 |
| 2535 | 20 | 16-QAM | 1/99 | 10.99 | V | 8.93 | 0.83 | 19.09 | 30 |
| 2560 | 20 | 16-QAM | 1/0 | 11.05 | V | 8.93 | 0.83 | 19.15 | 30 |
| 2510 | 20 | 16-QAM | 1/99 | 9 | Н | 8.93 | 0.83 | 17.1 | 30 |
| 2535 | 20 | 16-QAM | 1/99 | 8.57 | Н | 8.93 | 0.83 | 16.67 | 30 |
| 2560 | 20 | 16-QAM | 1/0 | 9.43 | Η | 8.93 | 0.83 | 17.53 | 30 |



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ERP for LTE Band XII (Part 27)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substitut ed level (dBm) | Antenna Polarizati on | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 699.7 | 1.4 | QPSK | 1/5 | 11.56 | V | 6.9 | 0.42 | 18.04 | 34.77 |
| 707.5 | 1.4 | QPSK | 1/5 | 14.57 | V | 6.8 | 0.42 | 20.95 | 34.77 |
| 715.3 | 1.4 | QPSK | 1/5 | 14.51 | ٧ | 6.8 | 0.42 | 20.89 | 34.77 |
| 699.7 | 1.4 | QPSK | 1/5 | 9.91 | Η | 6.9 | 0.42 | 16.39 | 34.77 |
| 707.5 | 1.4 | QPSK | 1/5 | 13.56 | Н | 6.8 | 0.42 | 19.94 | 34.77 |
| 715.3 | 1.4 | QPSK | 1/5 | 12.5 | Η | 6.8 | 0.42 | 18.88 | 34.77 |
| 699.7 | 1.4 | 16-QAM | 1/5 | 11.41 | V | 6.9 | 0.42 | 17.89 | 34.77 |
| 707.5 | 1.4 | 16-QAM | 1/5 | 14.55 | V | 6.8 | 0.42 | 20.93 | 34.77 |
| 715.3 | 1.4 | 16-QAM | 1/5 | 14 | ٧ | 6.8 | 0.42 | 20.38 | 34.77 |
| 699.7 | 1.4 | 16-QAM | 1/5 | 9.91 | Η | 6.9 | 0.42 | 16.39 | 34.77 |
| 707.5 | 1.4 | 16-QAM | 1/5 | 13.16 | Η | 6.8 | 0.42 | 19.54 | 34.77 |
| 715.3 | 1.4 | 16-QAM | 1/5 | 12.09 | Н | 6.8 | 0.42 | 18.47 | 34.77 |
| 700.5 | 3 | QPSK | 1/14 | 11.5 | V | 6.9 | 0.42 | 17.98 | 34.77 |
| 707.5 | 3 | QPSK | 1/0 | 14.5 | V | 6.8 | 0.42 | 20.88 | 34.77 |
| 714.5 | 3 | QPSK | 1/14 | 14.36 | ٧ | 6.8 | 0.42 | 20.74 | 34.77 |
| 700.5 | 3 | QPSK | 1/14 | 10.46 | Η | 6.9 | 0.42 | 16.94 | 34.77 |
| 707.5 | 3 | QPSK | 1/0 | 12.71 | Η | 6.8 | 0.42 | 19.09 | 34.77 |
| 714.5 | 3 | QPSK | 1/14 | 12.98 | Η | 6.8 | 0.42 | 19.36 | 34.77 |
| 700.5 | 3 | 16-QAM | 1/14 | 11.41 | V | 6.9 | 0.42 | 17.89 | 34.77 |
| 707.5 | 3 | 16-QAM | 1/0 | 14.42 | V | 6.8 | 0.42 | 20.8 | 34.77 |
| 714.5 | 3 | 16-QAM | 1/14 | 13.98 | V | 6.8 | 0.42 | 20.36 | 34.77 |
| 700.5 | 3 | 16-QAM | 1/14 | 8.97 | Η | 6.9 | 0.42 | 15.45 | 34.77 |
| 707.5 | 3 | 16-QAM | 1/0 | 13.14 | Η | 6.8 | 0.42 | 19.52 | 34.77 |
| 714.5 | 3 | 16-QAM | 1/14 | 12.96 | Н | 6.8 | 0.42 | 19.34 | 34.77 |
| 701.5 | 5 | QPSK | 1/24 | 11.6 | V | 6.9 | 0.42 | 18.08 | 34.77 |
| 707.5 | 5 | QPSK | 1/24 | 14.5 | V | 6.8 | 0.42 | 20.88 | 34.77 |
| 713.5 | 5 | QPSK | 1/24 | 14.65 | V | 6.8 | 0.42 | 21.03 | 34.77 |
| 701.5 | 5 | QPSK | 1/24 | 9.93 | Н | 6.9 | 0.42 | 16.41 | 34.77 |
| 707.5 | 5 | QPSK | 1/24 | 12.91 | Н | 6.8 | 0.42 | 19.29 | 34.77 |
| 713.5 | 5 | QPSK | 1/24 | 13.6 | Н | 6.8 | 0.42 | 19.98 | 34.77 |
| 701.5 | 5 | 16-QAM | 1/24 | 11.02 | V | 6.9 | 0.42 | 17.5 | 34.77 |



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| _ | | | | | | | | | |
|-------|----|--------|------|-------|----------|-----|------|-------|-------|
| 707.5 | 5 | 16-QAM | 1/24 | 14 | V | 6.8 | 0.42 | 20.38 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/24 | 14.63 | ٧ | 6.8 | 0.42 | 21.01 | 34.77 |
| 701.5 | 5 | 16-QAM | 1/24 | 8.78 | Η | 6.9 | 0.42 | 15.26 | 34.77 |
| 707.5 | 5 | 16-QAM | 1/24 | 12.06 | Η | 6.8 | 0.42 | 18.44 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/24 | 12.97 | Н | 6.8 | 0.42 | 19.35 | 34.77 |
| 704 | 10 | QPSK | 1/49 | 11.7 | ٧ | 6.8 | 0.42 | 18.08 | 34.77 |
| 707.5 | 10 | QPSK | 1/49 | 14.44 | ٧ | 6.8 | 0.42 | 20.82 | 34.77 |
| 711 | 10 | QPSK | 1/49 | 14.55 | V | 6.8 | 0.42 | 20.93 | 34.77 |
| 704 | 10 | QPSK | 1/49 | 10.46 | Η | 6.8 | 0.42 | 16.84 | 34.77 |
| 707.5 | 10 | QPSK | 1/49 | 12.58 | Н | 6.8 | 0.42 | 18.96 | 34.77 |
| 711 | 10 | QPSK | 1/49 | 12.43 | Η | 6.8 | 0.42 | 18.81 | 34.77 |
| 704 | 10 | 16-QAM | 1/49 | 11.48 | ٧ | 6.8 | 0.42 | 17.86 | 34.77 |
| 707.5 | 10 | 16-QAM | 1/49 | 14.45 | ٧ | 6.8 | 0.42 | 20.83 | 34.77 |
| 711 | 10 | 16-QAM | 1/49 | 14.14 | ٧ | 6.8 | 0.42 | 20.52 | 34.77 |
| 704 | 10 | 16-QAM | 1/49 | 9.71 | Н | 6.8 | 0.42 | 16.09 | 34.77 |
| 707.5 | 10 | 16-QAM | 1/49 | 12.86 | Н | 6.8 | 0.42 | 19.24 | 34.77 |
| 711 | 10 | 16-QAM | 1/49 | 11.74 | Н | 6.8 | 0.42 | 18.12 | 34.77 |



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ERP for LTE Band XVII (Part 27)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substitut ed level (dBm) | Antenna Polarizati on | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 706.5 | 5 | QPSK | 1/0 | 12.33 | ٧ | 6.8 | 0.42 | 18.71 | 34.77 |
| 710 | 5 | QPSK | 1/0 | 15.28 | V | 6.8 | 0.42 | 21.66 | 34.77 |
| 713.5 | 5 | QPSK | 1/0 | 15.37 | ٧ | 6.8 | 0.42 | 21.75 | 34.77 |
| 706.5 | 5 | QPSK | 1/0 | 10.58 | Η | 6.8 | 0.42 | 16.96 | 34.77 |
| 710 | 5 | QPSK | 1/0 | 13.02 | Н | 6.8 | 0.42 | 19.4 | 34.77 |
| 713.5 | 5 | QPSK | 1/0 | 13.12 | Η | 6.8 | 0.42 | 19.5 | 34.77 |
| 706.5 | 5 | 16-QAM | 1/0 | 11.75 | V | 6.8 | 0.42 | 18.13 | 34.77 |
| 710 | 5 | 16-QAM | 1/0 | 14.36 | V | 6.8 | 0.42 | 20.74 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/0 | 14.36 | V | 6.8 | 0.42 | 20.74 | 34.77 |
| 706.5 | 5 | 16-QAM | 1/0 | 10.33 | Η | 6.8 | 0.42 | 16.71 | 34.77 |
| 710 | 5 | 16-QAM | 1/0 | 13.34 | Η | 6.8 | 0.42 | 19.72 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/0 | 13.12 | Η | 6.8 | 0.42 | 19.5 | 34.77 |
| 709 | 10 | QPSK | 1/0 | 12.42 | V | 6.8 | 0.42 | 18.8 | 34.77 |
| 710 | 10 | QPSK | 1/0 | 15.4 | V | 6.8 | 0.42 | 21.78 | 34.77 |
| 711 | 10 | QPSK | 1/0 | 15.28 | V | 6.8 | 0.42 | 21.66 | 34.77 |
| 709 | 10 | QPSK | 1/0 | 10.06 | Н | 6.8 | 0.42 | 16.44 | 34.77 |
| 710 | 10 | QPSK | 1/0 | 13.13 | Η | 6.8 | 0.42 | 19.51 | 34.77 |
| 711 | 10 | QPSK | 1/0 | 13.83 | Η | 6.8 | 0.42 | 20.21 | 34.77 |
| 709 | 10 | 16-QAM | 1/0 | 11.22 | V | 6.8 | 0.42 | 17.6 | 34.77 |
| 710 | 10 | 16-QAM | 1/0 | 14.34 | V | 6.8 | 0.42 | 20.72 | 34.77 |
| 711 | 10 | 16-QAM | 1/0 | 14.75 | V | 6.8 | 0.42 | 21.13 | 34.77 |
| 709 | 10 | 16-QAM | 1/0 | 9.15 | Н | 6.8 | 0.42 | 15.53 | 34.77 |
| 710 | 10 | 16-QAM | 1/0 | 13.33 | Н | 6.8 | 0.42 | 19.71 | 34.77 |
| 711 | 10 | 16-QAM | 1/0 | 12.52 | Н | 6.8 | 0.42 | 18.9 | 34.77 |

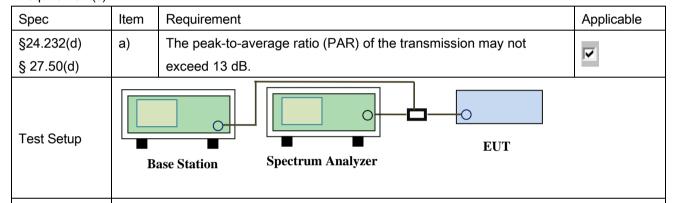


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6.3 Peak-Average Ratio

| Temperature | 25 °C |
|----------------------|------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1018mbar |
| Test date : | October 19, 2017 |
| Tested By: | Loren Luo |

Requirement(s):



According with KDB 971168 v02r02

5.7.2 Alternate procedure for PAPR

5.1.2 Peak power measurements with a peak power meter

The total peak output power may be measured using a broadband peak RF power meter. The power meter must have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

Test Procedure

5.2.3 Average power measurement with average power meter

As an alternative to the use of a spectrum/signal analyzer or EMI receiver to perform a measurement of the total in-band average output power, a wideband RF average power meter with a thermocouple detector or equivalent can be used under certain conditions

If the EUT can be configured to transmit continuously (i.e., the burst duty cycle ≥ 98%) and at all times the EUT is transmitting at is maximum output



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| | power level, then a conventional wide-band RF power meter can be used. |
|--------|--|
| | If the EUT cannot be configured to transmit continuously (i.e., the burst duty |
| | cycle < 98%), then there are two options for the use of an average power |
| | meter. First, a gated average power meter can be used to perform the |
| | measurement if the gating parameters can be adjusted such that the power is |
| | measured only over active transmission bursts at maximum output power |
| | levels. A conventional average power meter can also be used if the |
| | measured burst duty cycle is constant (i.e., duty cycle variations are less than |
| | ± 2 percent) by performing the measurement over the on/off burst cycles and |
| | then correcting (increasing) the measured level by a factor equal to |
| | 10log(1/duty cycle) |
| Remark | |
| Result | Pass Fail |

| Test Data | Yes | □ _{N/A} |
|-----------|-----------------|------------------|
| Test Plot | Yes (See below) | ✓ _{N/A} |



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LTE Band II (part 24E)

| D\A//A4LI=\ | Fraguera (AALI=) | Mada | Madulation | Conducted P | ower (dBm) | Peak-Average |
|-------------|------------------|--------|------------|-------------|------------|---|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Average Ratio (PAR) 23.35 0.37 22.26 0.42 23.36 0.35 22.27 0.31 23.34 0.5 22.34 0.46 23.42 0.42 22.31 0.36 23.47 0.47 |
| 4.4 | 4000 | DD 4/0 | QPSK | 23.72 | 23.35 | 0.37 |
| 1.4 | 1880 | RB 1/0 | 16QAM | 22.68 | 22.26 | 6 0.42 |
| 3 | 4000 | DD 4/0 | QPSK | 23.71 | 23.36 | 0.35 |
| 3 | 1880 | RB 1/0 | 16QAM | 22.58 | 22.27 | 0.31 |
| _ | 4000 | DD 4/0 | QPSK | 23.84 | 23.34 | 0.5 |
| 5 | 1880 | RB 1/0 | 16QAM | 22.8 | 22.34 | |
| 40 | 4000 | DD 4/0 | QPSK | 23.84 | 23.42 | 0.42 |
| 10 | 1880 | RB 1/0 | 16QAM | 22.67 | 22.31 | 0.36 |
| 45 | 4000 | DD 4/0 | QPSK | 23.94 | 23.47 | 0.47 |
| 15 | 1880 | RB 1/0 | 16QAM | 22.85 | 22.5 | 0.35 |
| 20 | 4000 | DD 4/0 | QPSK | 23.79 | 23.39 | 0.4 |
| 20 | 1880 | RB 1/0 | 16QAM | 22.88 | 22.58 | 0.3 |

LTE Band IV (part 27)

| D\A//\A41.1-\ | F | Mada | NA o dodation | Conducted P | ed Power (dBm) Peak-Avera | |
|---------------|-----------------|--------|---------------|-------------|---------------------------|--|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Peak-Average Ratio (PAR) 0.37 0.45 0.31 0.42 0.42 0.44 0.37 |
| 4.4 | 4722.5 | DD 4/0 | QPSK | 23.62 | 23.25 | 0.37 |
| 1.4 | 1732.5 | RB 1/0 | 16QAM | 22.61 | 22.16 | 0.37 0.45 0.31 0.42 0.42 0.44 |
| 3 | 1732.5 | RB 1/0 | QPSK | 23.58 | 23.27 | 0.31 |
| 3 | 1732.5 | KD 1/0 | 16QAM | 22.64 | 22.22 | 0.42 |
| 5 | 4722.5 | DB 1/0 | QPSK | 23.65 | 23.23 | Ratio (PAR) 0.37 0.45 0.31 0.42 0.42 0.44 0.37 0.41 0.37 0.41 0.3 |
| 5 | 1732.5 | RB 1/0 | 16QAM | 22.69 | 22.25 | |
| 40 | 4722 F | DD 4/0 | QPSK | 23.69 | 23.32 | 0.37 |
| 10 | 1732.5 | RB 1/0 | 16QAM | 22.65 | 22.24 | 0.41 |
| 4.5 | 4722 F | DD 4/0 | QPSK | 23.66 | 23.29 | 0.37 |
| 15 | 1732.5 | RB 1/0 | 16QAM | 22.87 | 22.46 | 0.41 |
| 20 | 4722.5 | DB 4/0 | QPSK | 23.6 | 23.3 | 0.37 0.45 0.31 0.42 0.42 0.44 0.37 0.41 0.37 0.41 0.33 |
| 20 | 1732.5 | RB 1/0 | 16QAM | 23.08 | 22.68 | 0.4 |



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LTE Band VII (part 27)

| D\A//AALI=\ | Eroguanay (MHz) | Mode | Modulation | Conducted P | nducted Power (dBm) Peak-Averag | |
|-------------|-----------------|---------|--------------|-------------|---------------------------------|--|
| BW(MHz) | Frequency (MHz) | Mode | iviodulation | Peak | Average | Peak-Average Ratio (PAR) 0.45 0.46 0.3 0.46 0.4 |
| 5 | 2535 | RB 1/0 | QPSK | 23.06 | 22.61 | 0.45 |
| 5 | 2555 | KD 1/0 | 16QAM | 21.99 | 21.53 | 0.46 |
| 10 | 2535 | RB 1/0 | QPSK | 22.64 | 22.34 | Ratio (PAR) 0.45 0.46 0.3 0.46 |
| 10 | 2555 | KD 1/0 | 16QAM | 21.85 | 21.39 | |
| 15 | 2535 | DB 4/0 | QPSK | 23.01 | 22.61 | 0.4 |
| 15 | 2555 | RB 1/0 | 16QAM | 22.07 | 21.72 | Ratio (PAR) 0.45 0.46 0.3 0.46 0.4 0.35 0.46 |
| 20 | 2535 | RB 1/0 | QPSK | 22.65 | 22.19 | 0.46 |
| 20 | 2000 | 110 1/0 | 16QAM | 21.99 | 21.6 | 0.45 0.46 0.3 0.46 0.4 0.35 0.46 |

LTE Band XII (part 27)

| BW(MHz) | Eroguenov (MHT) | Mode | Modulation | Conducted P | ower (dBm) | Peak-Average |
|------------|-----------------|--------|------------|-------------|------------|--|
| DVV(IVITZ) | Frequency (MHz) | Mode | Modulation | Peak | Average | Peak-Average Ratio (PAR) 1.89 2.78 1.91 2.97 1.74 2.32 1.74 |
| 1.4 | 707.5 | RB 1/0 | QPSK | 23.54 | 23.07 | 1.89 |
| 1.4 | 707.5 | KD 1/0 | 16QAM | 23.33 | 22.99 | 2.78 |
| 3 | 707.5 | DD 4/0 | QPSK | 23.51 | 23.03 | 1.91 |
| 3 | 707.5 | RB 1/0 | 16QAM | 23.46 | 22.98 | 2.97 |
| 5 | 707.5 | DB 4/0 | QPSK | 23.32 | 23 | 1.74 |
| 5 | 707.5 | RB 1/0 | 16QAM | 22.9 | 22.55 | Ratio (PAR) 1.89 2.78 1.91 2.97 1.74 2.32 |
| 10 | 707.5 | DB 1/0 | QPSK | 23.41 | 23.07 | 1.74 |
| | 707.5 | RB 1/0 | 16QAM | 23.43 | 22.99 | Ratio (PAR) 1.89 2.78 1.91 2.97 1.74 2.32 1.74 |

LTE Band XVII (part 27)

| | Fraguency (MUT) | Mada | Modulation | Conducted Power (dBm) | | Peak-Average |
|---------|-----------------|--------|------------|-----------------------|---------|----------------------|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Ratio (PAR) |
| E | 5 740 | RB 1/0 | QPSK | 24.27 | 23.81 | 0.46 |
| 5 | 710 | KD 1/0 | 16QAM | 23.22 | 22.89 | Ratio (PAR) |
| 10 | 740 | RB 1/0 | QPSK | 24.27 | 23.93 | 0.34 |
| | 710 | KD 1/0 | 16QAM | 23.19 | 22.87 | 0.46 0.33 0.34 |



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6.4 Occupied Bandwidth

| Temperature | 25 °C |
|----------------------|------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1014mbar |
| Test date : | October 20, 2017 |
| Tested By : | Loren Luo |

Requirement(s):

| Requirement(s) | • | | | | | | |
|----------------|-------------|---|-------------|--|--|--|--|
| Spec | Item | Requirement | Applicable | | | | |
| §2.1049, | a) | 99% Occupied Bandwidth(kHz) | <u><</u> | | | | |
| §22.917, | | | _ | | | | |
| §22.905 | b) | 26 dB Bandwidth(kHz) | | | | | |
| §24.238 | | | V | | | | |
| §27.53(a) | | | | | | | |
| Test Setup | B | Base Station Spectrum Analyzer | | | | | |
| | - | The EUT was connected to Spectrum Analyzer and Base | Station via | | | | |
| Test | | power divider. | | | | | |
| Procedure | - | The 99% and 26 dB occupied bandwidth (BW) of the mide | dle channel | | | | |
| | | for the highest RF powers. | | | | | |
| Remark | | | | | | | |
| Result | ☑ Pa | ess Fail | | | | | |

| Test Data | Yes | □ _{N/A} |
|-----------|-----------------|------------------|
| Test Plot | Yes (See below) | □ _{N/A} |



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LTE Band II (Part 24E)

| | | Frequency | | 99% Occupied | 26 dB Bandwidth | |
|---------|----------|--------------|------------|-----------------|-----------------|-------|
| BW(MHz) | Channel | (MHz) | Modulation | Bandwidth (MHz) | (MHz) | |
| | 40007 | 1051 | 16QAM | 1.1111 | 1.316 | |
| 1.4 | 18607 | 1851 | QPSK | 1.1043 | 1.339 | |
| 4.4 | | 4000 | 16QAM | 1.1191 | 1.341 | |
| 1.4 | 18900 | 1880 | QPSK | 1.1127 | 1.315 | |
| 4.4 | 40402 | 4000 | 16QAM | 1.1045 | 1.309 | |
| 1.4 | 19193 | 1909 | QPSK | 1.1116 | 1.298 | |
| 2 | 10615 | 1050 | 16QAM | 2.7594 | 3.127 | |
| 3 | 18615 | 1852 | QPSK | 2.7749 | 3.169 | |
| 3 | 19000 | 1000 | 16QAM | 2.756 | 3.131 | |
| 3 | 18900 | 1880 | QPSK | 2.7593 | 3.162 | |
| 3 | 40405 | 4000 | 16QAM | 2.756 | 3.13 | |
| 3 | 19185 | 1909 | QPSK | 2.7503 | 3.124 | |
| 5 | 19695 | 1853 | 16QAM | 4.5328 | 5.137 | |
| 5 | 18625 | | QPSK | 4.5449 | 5.12 | |
| 5 | 19000 | 1000 | 16QAM | 4.5397 | 5.105 | |
| 5 | 18900 | 1880 | QPSK | 4.5477 | 5.121 | |
| 5 | 19175 | 1000 | 16QAM | 4.5542 | 5.106 | |
| 5 | 19175 | 1900 | 908 QPSK | 4.5465 | 5.12 | |
| 10 | 10 18650 | 0 18650 1855 | 1055 | 16QAM | 9.0891 | 10.28 |
| 10 | | 1000 | QPSK | 9.0943 | 10.317 | |
| 10 | 18900 | 1880 | 16QAM | 9.1194 | 10.458 | |
| 10 | 10900 | 1000 | QPSK | 9.1491 | 10.42 | |
| 10 | 10150 | 1005 | 16QAM | 9.082 | 10.263 | |
| 10 | 19150 | 1905 | QPSK | 9.1176 | 10.462 | |
| 15 | 19675 | 1858 | 16QAM | 13.5143 | 15.064 | |
| 15 | 18675 | 1000 | QPSK | 13.5045 | 15.032 | |
| 15 | 18900 | 1880 | 16QAM | 13.506 | 15.138 | |
| 10 | 10900 | 1000 | QPSK | 13.4971 | 15.002 | |
| 15 | 10125 | 1903 | 16QAM | 13.4966 | 15.027 | |
| 15 | 19125 | 1903 | QPSK | 13.4755 | 14.969 | |



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| 20 18700 | 40700 | 1860 | 16QAM | 17.9451 | 19.68 |
|----------|-------|--------------|-------|---------|--------|
| | 10700 | | QPSK | 17.9362 | 19.567 |
| 20 | 18900 | 1880 | 16QAM | 17.9514 | 19.334 |
| | | | QPSK | 17.9855 | 20.522 |
| 20 19100 | 40400 | 10100 | 16QAM | 17.8386 | 19.438 |
| | 19100 | 19100 1900 | QPSK | 17.8556 | 19.49 |



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LTE Band IV (Part 27)

| | band IV (Pa | Frequency | | 99% Occupied | 26 dB Bandwidth | |
|---------|-------------|-------------|------------|-----------------|-----------------|-------|
| BW(MHz) | Channel | (MHz) | Modulation | Bandwidth (MHz) | (MHz) | |
| | 10057 | 4744 | 16QAM | 1.1036 | 1.302 | |
| 1.4 | 19957 | 1711 | QPSK | 1.1048 | 1.29 | |
| | 00475 | 4700 | 16QAM | 1.1072 | 1.287 | |
| 1.4 | 20175 | 1733 | QPSK | 1.114 | 1.278 | |
| 4.4 | 00000 | 4754 | 16QAM | 1.1085 | 1.282 | |
| 1.4 | 20393 | 1754 | QPSK | 1.1052 | 1.292 | |
| 2 | 40065 | 4740 | 16QAM | 2.7593 | 3.112 | |
| 3 | 19965 | 1712 | QPSK | 2.738 | 3.122 | |
| 2 | 00475 | 4700 | 16QAM | 2.7441 | 3.124 | |
| 3 | 20175 | 1733 | QPSK | 2.7535 | 3.104 | |
| 2 | 20205 | 4754 | 16QAM | 2.7471 | 3.126 | |
| 3 | 20385 | 1754 | QPSK | 2.7508 | 3.114 | |
| E | 40075 | 4740 | 16QAM | 4.5309 | 5.083 | |
| 5 | 19975 | 1713 | QPSK | 4.5306 | 5.098 | |
| 5 | 20175 | 4722 | 16QAM | 4.5439 | 5.101 | |
| 5 | 20175 | 1733 | QPSK | 4.527 | 5.121 | |
| 5 | 20275 | 20375 1753 | 16QAM | 4.5421 | 5.117 | |
| ס | 20375 | | QPSK | 4.5318 | 5.09 | |
| 10 | 20000 | 1715 | 16QAM | 9.038 | 10.234 | |
| 10 | 20000 | 1715 | QPSK | 9.0523 | 10.184 | |
| 10 | 20175 1733 | 16QAM | 9.0581 | 10.382 | | |
| 10 | 20175 | 1733 | QPSK | 9.0503 | 10.271 | |
| 10 | 20250 | 1750 | 16QAM | 9.0536 | 10.347 | |
| 10 | 20350 | 20350 1/5 | 1750 | QPSK | 9.0612 | 10.25 |
| 15 | 20025 | 4710 | 16QAM | 13.4806 | 14.906 | |
| 15 | 20025 | 1718 | QPSK | 13.461 | 14.907 | |
| 15 | 20175 | 4722 | 16QAM | 13.5209 | 15.121 | |
| 15 | 20175 | 20175 1733 | QPSK | 13.4878 | 15.073 | |
| 15 | 20225 | 17/10 | 16QAM | 13.4906 | 14.998 | |
| 10 | <u> </u> | 20325 1748 | QPSK | 13.4884 | 14.935 | |



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| 20 20050 | 20050 | 1720 | 16QAM | 17.9029 | 19.501 |
|----------|-------|--------------|-------|---------|--------|
| | 20050 | | QPSK | 17.9378 | 19.395 |
| 20 | 20175 | 1733 | 16QAM | 17.9395 | 19.675 |
| | | | QPSK | 17.8806 | 19.439 |
| 20 20300 | 20200 | 20300 1745 - | 16QAM | 17.8663 | 19.475 |
| | 20300 | | QPSK | 17.8926 | 19.593 |



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LTE Band VII (Part 27) result

| BW(MHz) | Channel | Frequency | Modulation | 99% Occupied | 26 dB Bandwidth | |
|---------|----------|---------------|------------|-----------------|-----------------|--------|
| () | | (MHz) | | Bandwidth (MHz) | (MHz) | |
| 5 | 20775 | 2503 | 16QAM | 4.5359 | 5.11 | |
| | 20113 | 2303 | QPSK | 4.5301 | 5.1 | |
| 5 | 21100 | 2535 | 16QAM | 4.5207 | 5.099 | |
| 3 | 21100 | 2555 | QPSK | 4.52 | 5.111 | |
| 5 | 21425 | 2568 | 16QAM | 4.5447 | 5.102 | |
| 3 | 21423 | 2300 | QPSK | 4.5457 | 5.102 | |
| 10 | 20800 | 2505 | 16QAM | 9.0607 | 10.27 | |
| 10 | 20000 | 2505 | QPSK | 9.0486 | 10.28 | |
| 10 | 24400 | 2525 | 16QAM | 9.0774 | 10.257 | |
| 10 | 21100 | 2535 | QPSK | 9.0867 | 10.291 | |
| 10 | 21400 | 04400 | 2565 | 16QAM | 9.0927 | 10.296 |
| 10 | | 2565 | QPSK | 9.0654 | 10.373 | |
| 15 | 20825 | 2500 | 16QAM | 13.4707 | 14.911 | |
| 15 | | 2508 | QPSK | 13.4822 | 14.923 | |
| 15 | 04400 | 2525 | 16QAM | 13.4788 | 15.009 | |
| 15 | 21100 | 2535 | QPSK | 13.4338 | 15.108 | |
| 15 | 15 21400 | 15 21400 2563 | 2562 | 16QAM | 13.5049 | 14.982 |
| 15 | | | 2503 | QPSK | 13.5061 | 14.937 |
| 20 | 20050 | 2510 | 16QAM | 17.8928 | 19.664 | |
| 20 | 20850 | 850 2510 | QPSK | 17.9362 | 19.426 | |
| 20 | 24400 | 2525 | 16QAM | 17.8785 | 19.66 | |
| 20 | 21100 | 100 2535 | QPSK | 17.8825 | 19.525 | |
| 20 | 24250 | 2560 | 16QAM | 17.8839 | 19.553 | |
| 20 | 21350 | 21350 2560 | QPSK | 17.9334 | 19.438 | |



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|-------------|-----------------|
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LTE Band XII (Part 27)

| BW(MHz) | Channel | Frequency (MHz) | Modulation | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) | |
|---------|--------------------|--------------------|-------------|---------------------------------|--------------------------|-------|
| | | | 16QAM | 1.1059 | 1.288 | |
| 1.4 | 23017 | 699.7 | QPSK | 1.0961 | 1.281 | |
| | 22225 | 707.5 | 16QAM | 1.1068 | 1.274 | |
| 1.4 | 23095 | 707.5 | QPSK | 1.108 | 1.281 | |
| 4.4 | 00470 | 745.0 | 16QAM | 1.1051 | 1.278 | |
| 1.4 | 23173 | 715.3 | QPSK | 1.1096 | 1.288 | |
| 3 | 02005 | 700 F | 16QAM | 2.747 | 3.106 | |
| 3 | 23025 | 700.5 | QPSK | 2.7476 | 3.107 | |
| 3 | 23095 | 707 F | 16QAM | 2.7496 | 3.096 | |
| 3 | 23095 | 707.5 | QPSK | 2.7582 | 3.089 | |
| 3 | 23165 | 22465 | 22465 744.5 | 16QAM | 2.7574 | 3.113 |
| 3 | | 714.5 | QPSK | 2.7538 | 3.117 | |
| 5 | 02025 | 701.5 | 16QAM | 4.5211 | 5.084 | |
| 5 | 23035 | 701.5 | QPSK | 4.5089 | 5.079 | |
| E | 5 23095 | 707.5 | 16QAM | 4.525 | 5.092 | |
| 5 | | 707.5 | QPSK | 4.5293 | 5.072 | |
| 5 | 23055 713.5 | 712.5 | 16QAM | 4.5254 | 5.085 | |
| 5 | | 20000 / 10.0 | QPSK | 4.5349 | 5.078 | |
| 10 | | 704 | 16QAM | 9.0954 | 10.293 | |
| 10 | 23000 | 23060 704 | QPSK | 9.0839 | 10.222 | |
| 10 | 22005 | 707 5 | 16QAM | 9.1381 | 10.257 | |
| 10 | ∠ა∪ 9 5 | 23095 707.5 | QPSK | 9.1199 | 10.389 | |
| 10 | 22420 | 744 | 16QAM | 9.0405 | 10.222 | |
| 10 | 23130 | 23130 711 | QPSK | 9.0356 | 10.279 | |



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LTE Band XVII (Part 27)

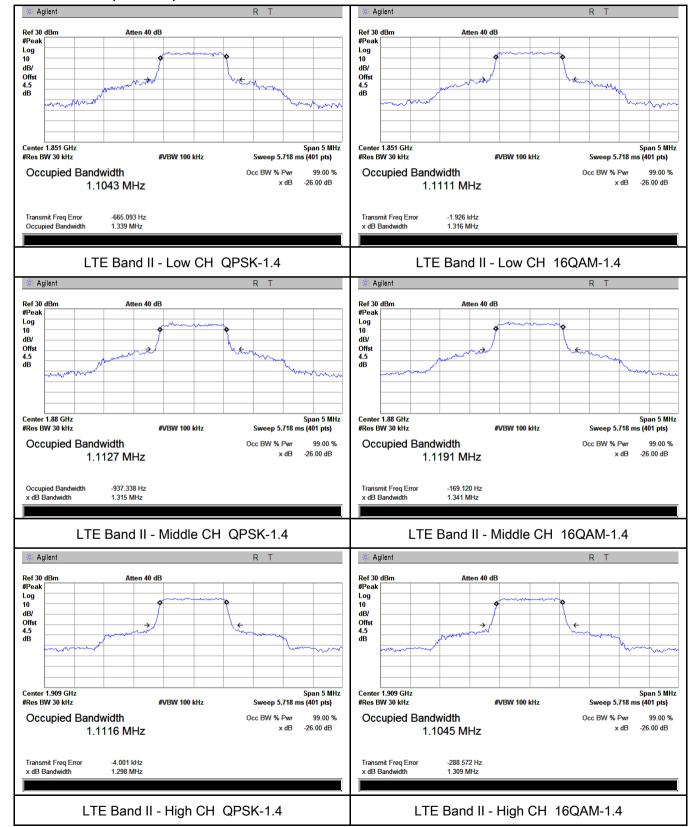
| BW(MHz) | Channel | Frequency (MHz) | Modulation | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|---------|---------|--------------------|------------|---------------------------------|--------------------------|
| 5 | 23755 | 706.5 | 16QAM | 4.5438 | 5.126 |
| 5 | 23755 | 706.5 | QPSK | 4.5444 | 5.121 |
| 5 | 22700 | 740 | 16QAM | 4.5112 | 5.07 |
| o L | 23790 | 710 | QPSK | 4.5215 | 5.097 |
| 5 | 02005 | 5 713.5 | 16QAM | 4.5359 | 5.088 |
| o L | 23825 | | QPSK | 4.5332 | 5.075 |
| 10 | 22700 | 700 | 16QAM | 9.0627 | 10.226 |
| 10 2378 | 23780 | 80 709 | QPSK | 9.084 | 10.256 |
| 10 | 23790 | 23790 710 | 16QAM | 9.1114 | 10.329 |
| 10 | | | QPSK | 9.0784 | 10.215 |
| 10 | 22900 | 711 | 16QAM | 9.0464 | 10.325 |
| 10 | 23800 | | QPSK | 9.0643 | 10.366 |



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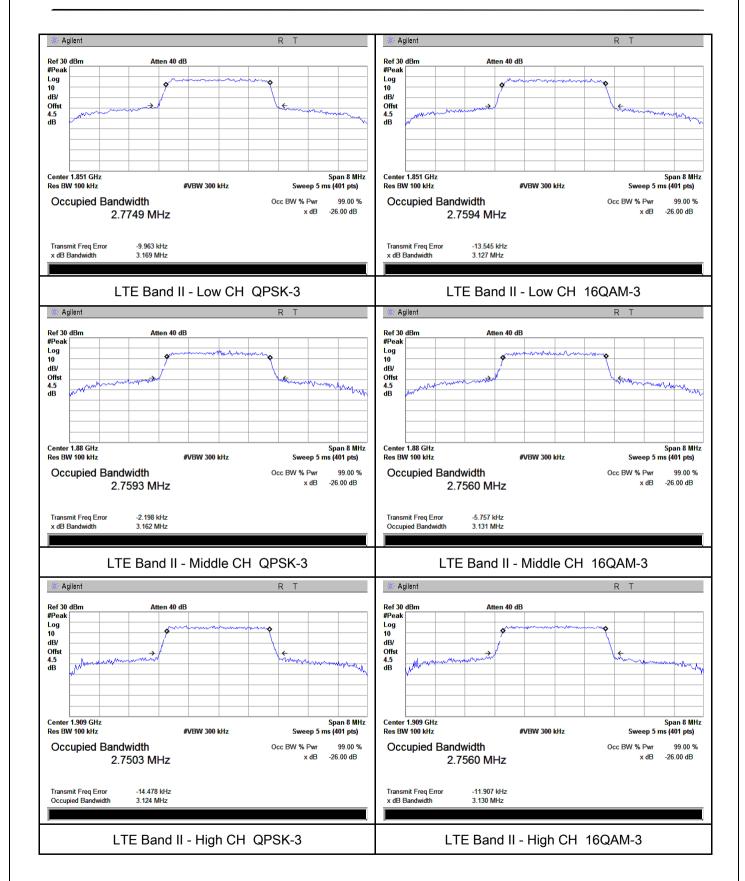
Test Plots

LTE Band II (Part 24E)



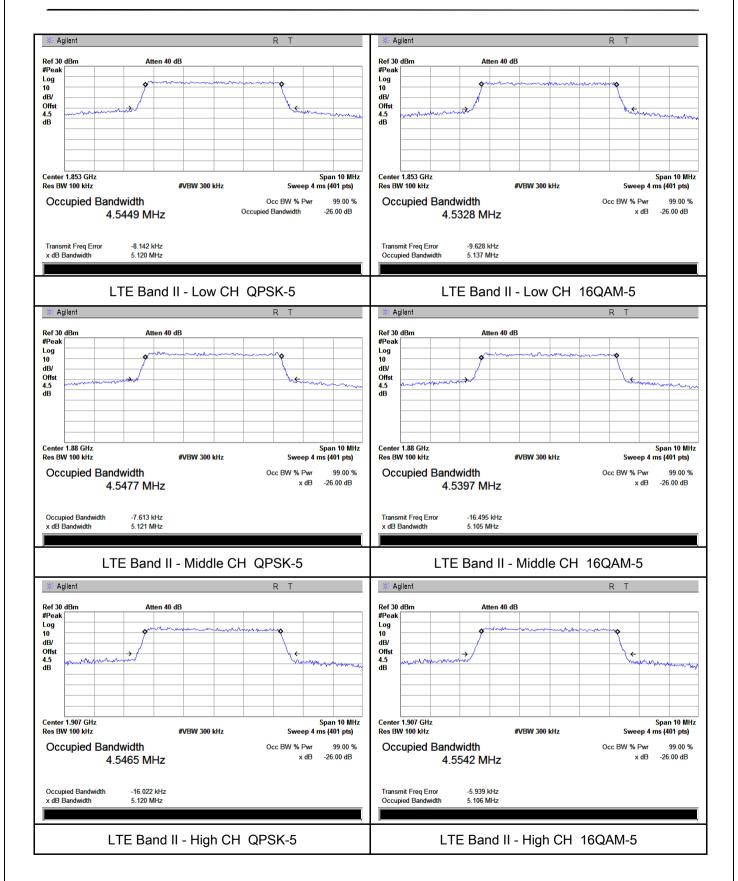


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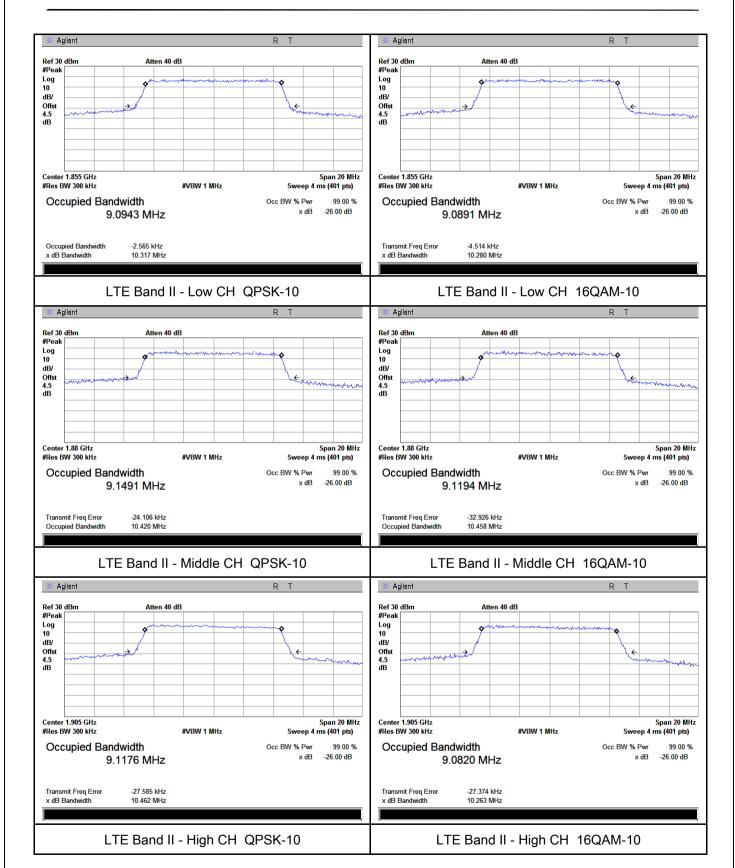


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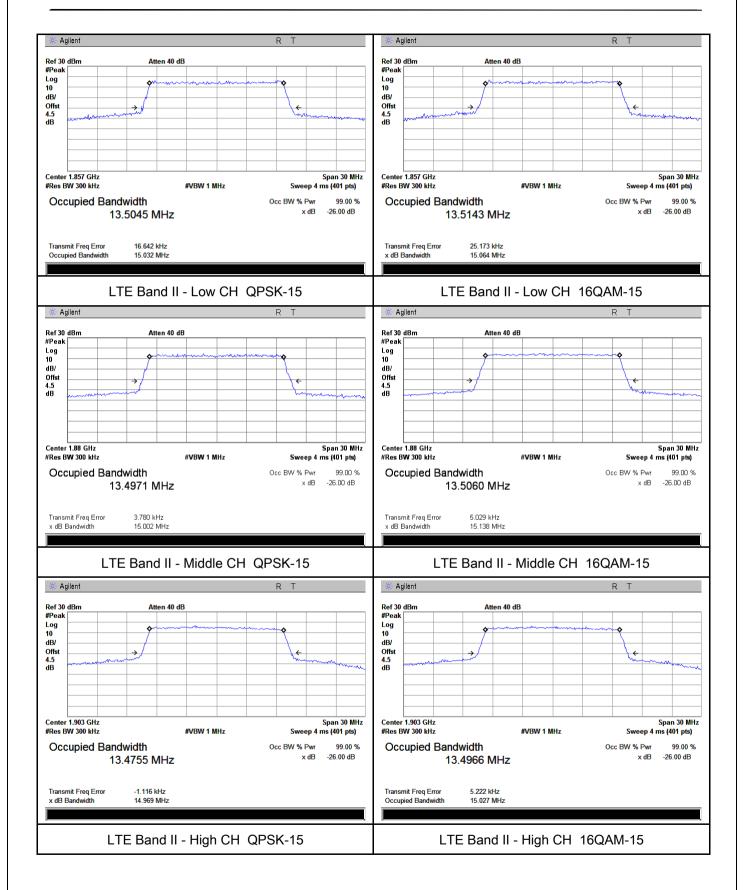


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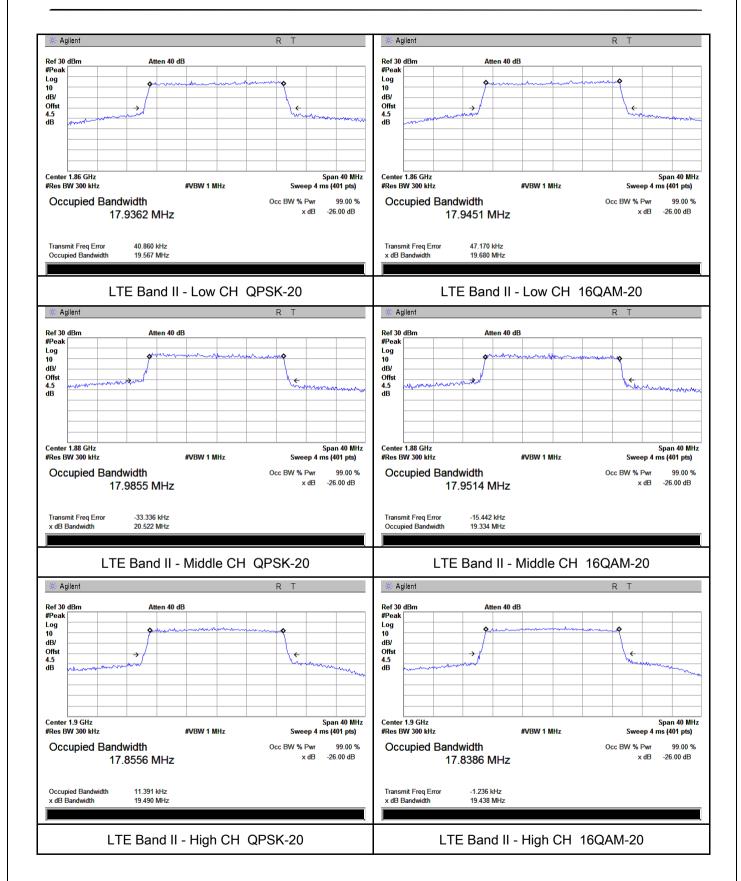


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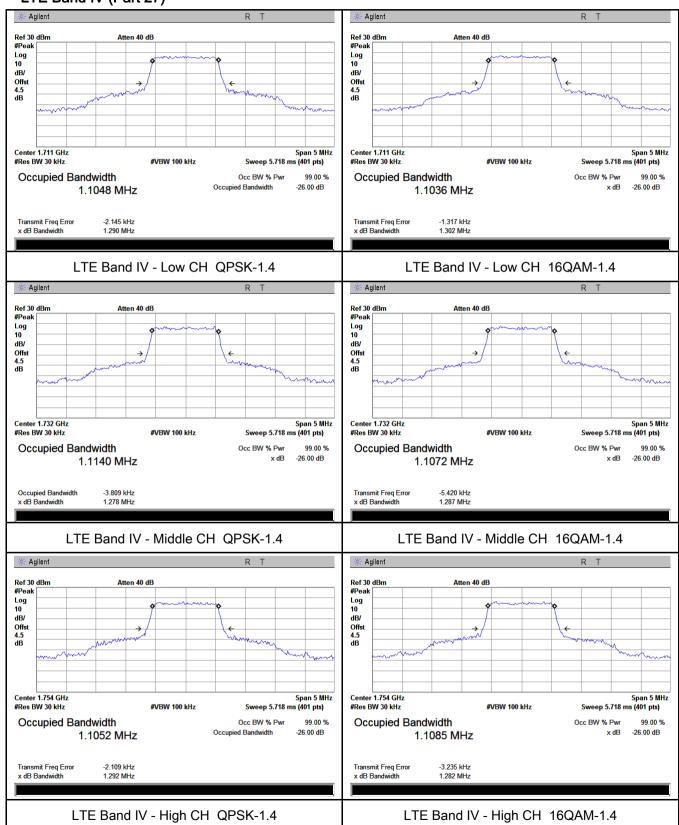
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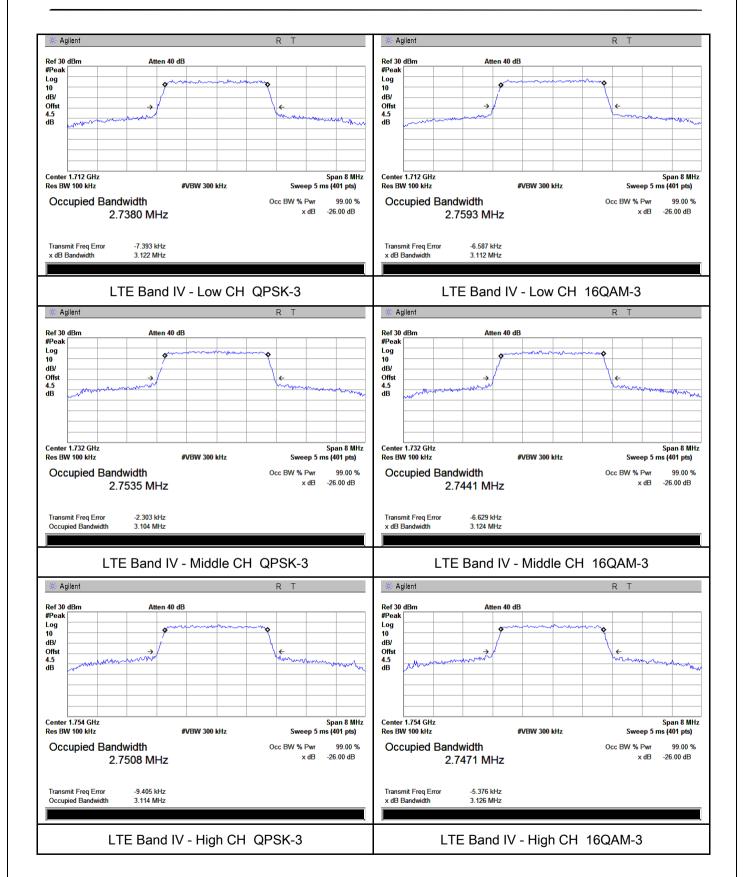
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LTE Band IV (Part 27)



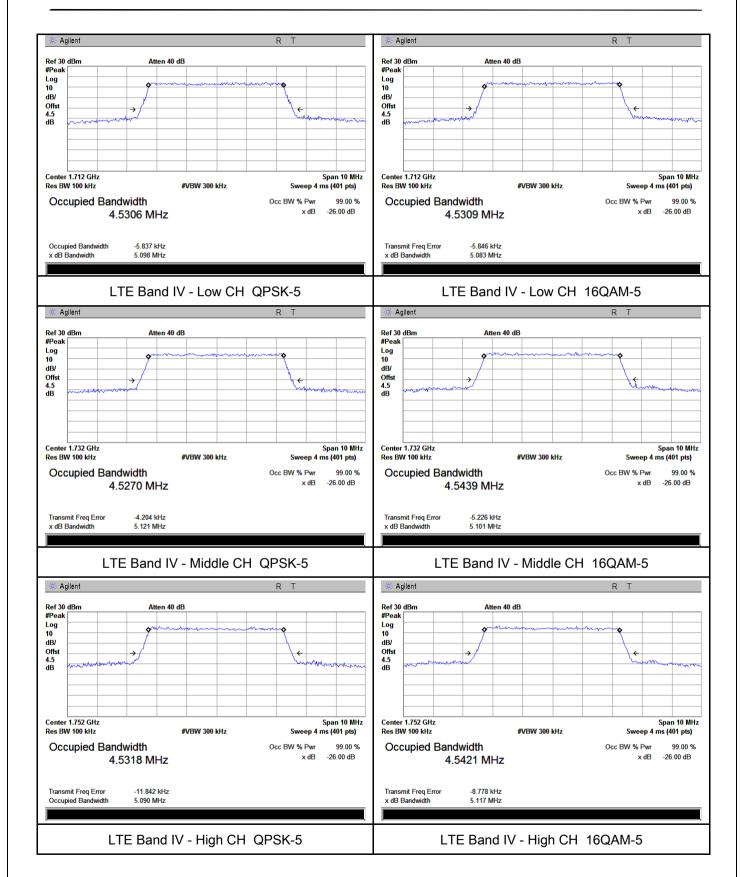


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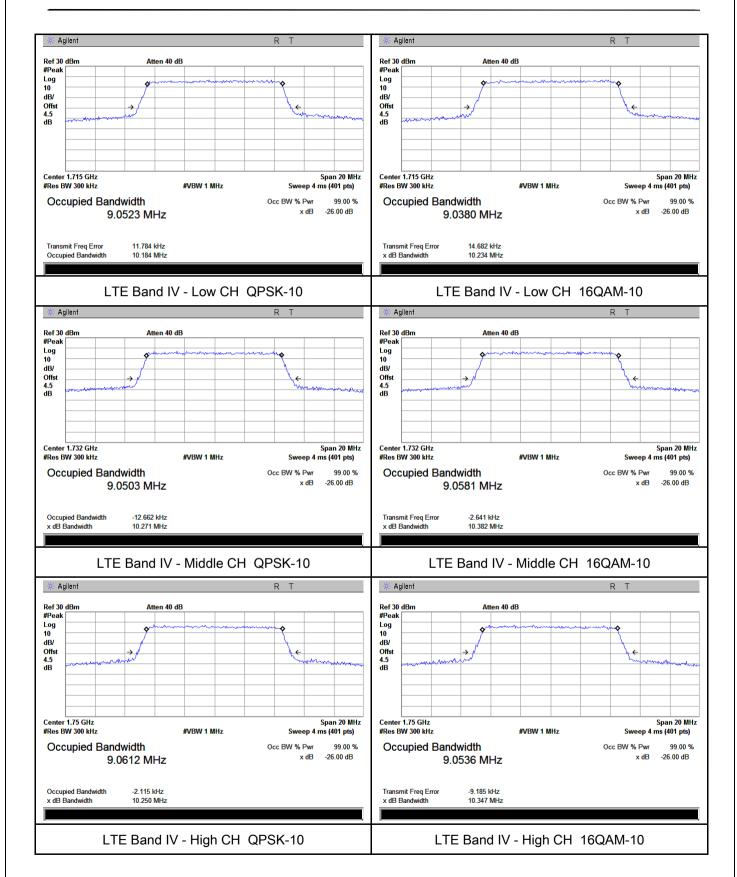


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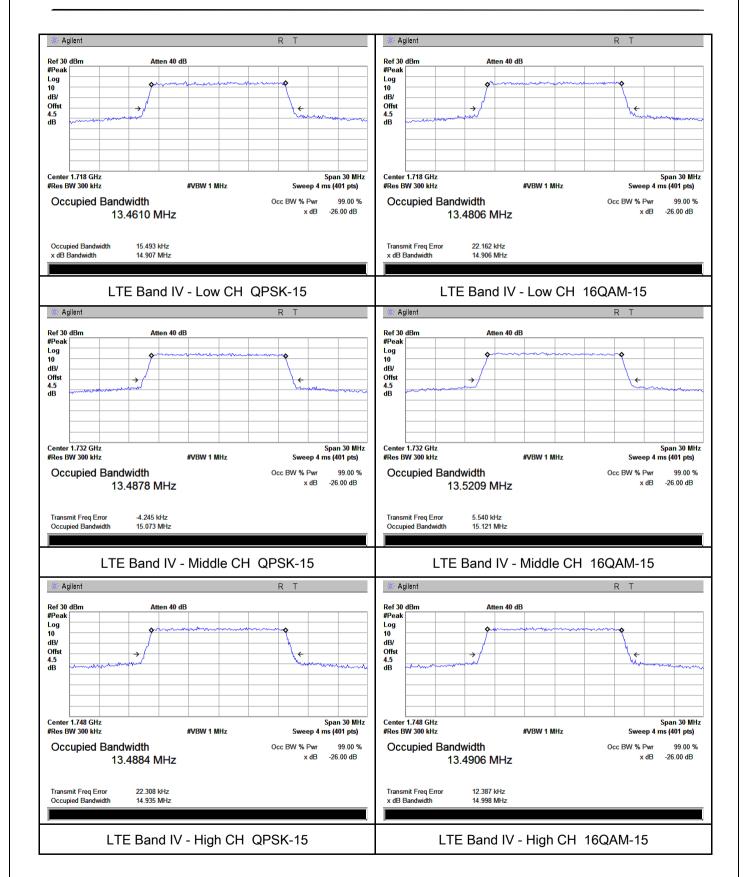


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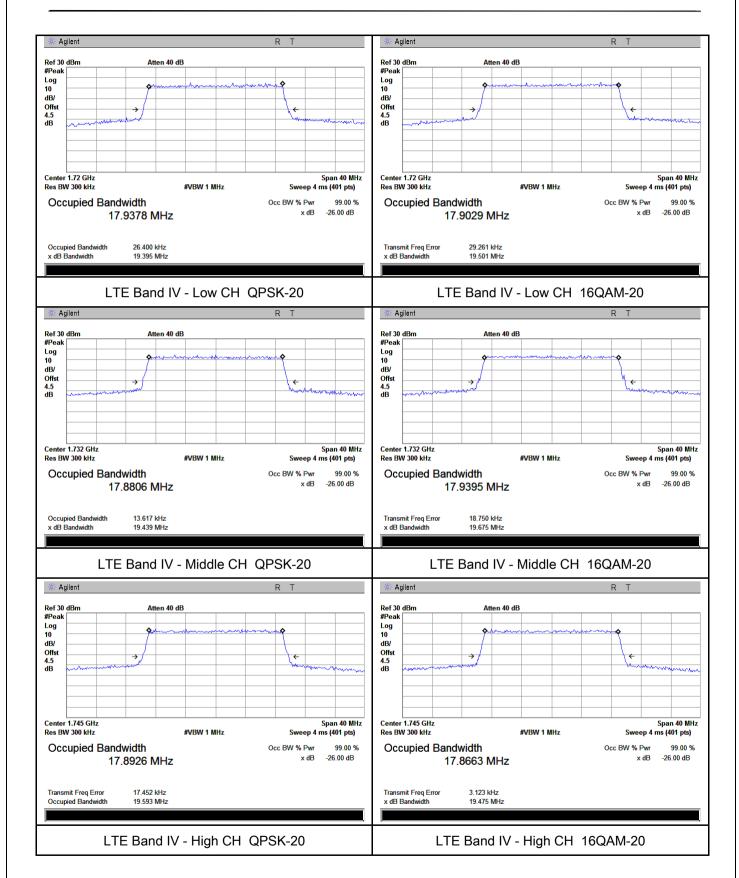


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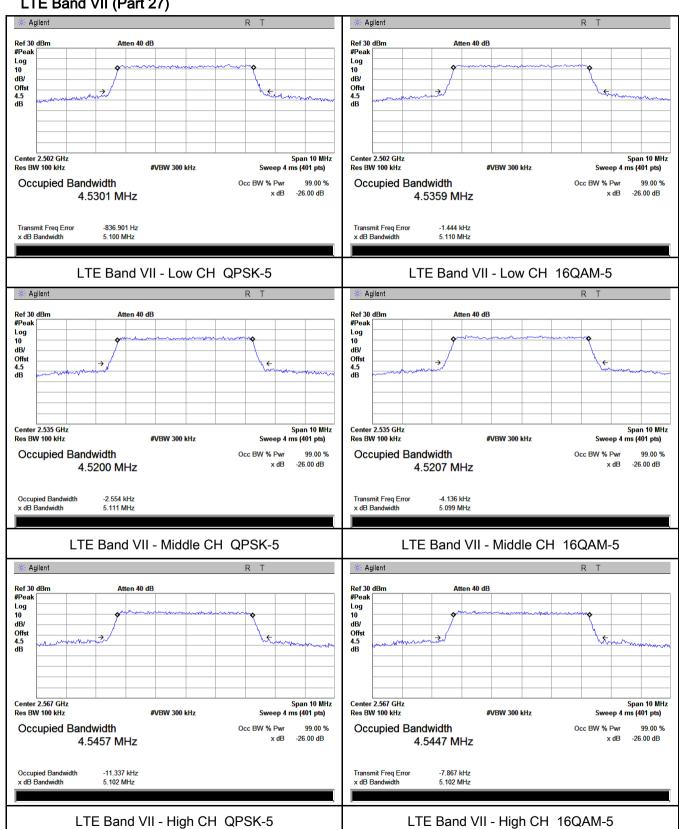
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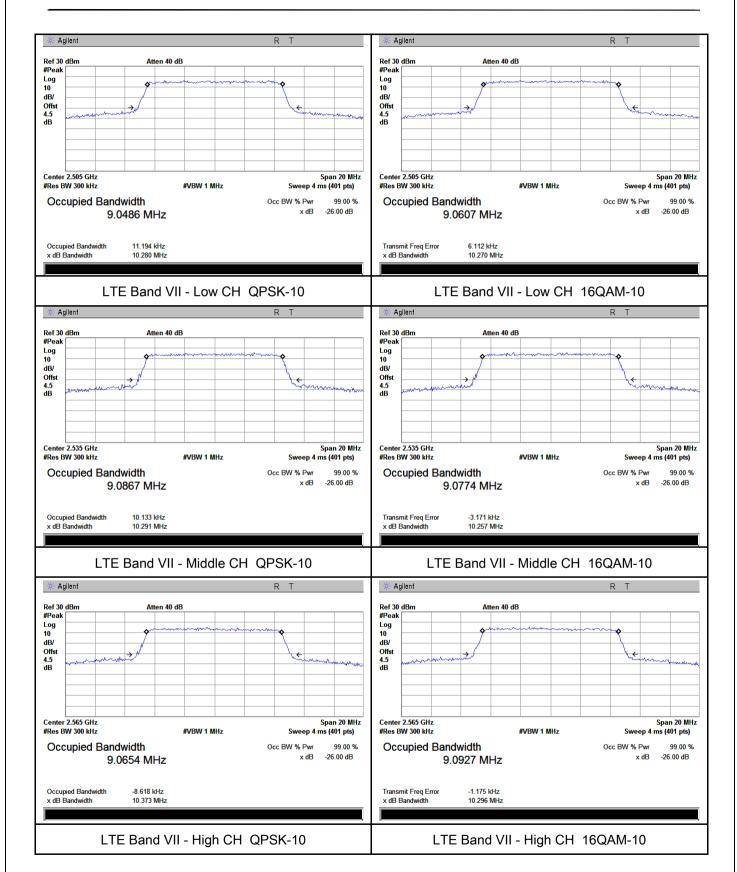
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LTE Band VII (Part 27)



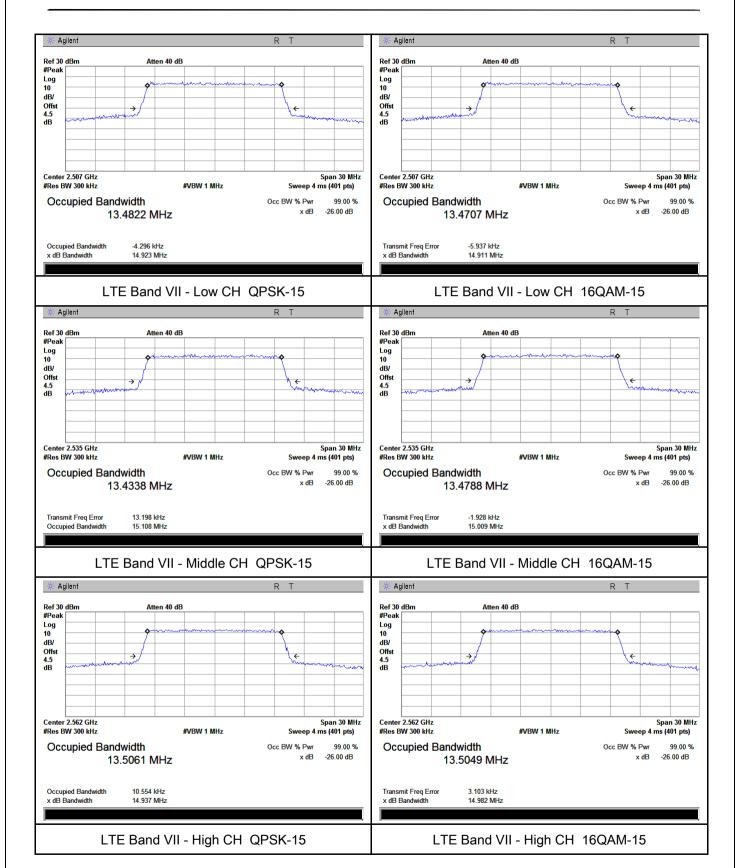


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