RF TEST REPORT



Report No.: 15070962-FCC-R5
Supersede Report No.: N/A

| Applicant | Verykool USA Inc | | | |
|---|---------------------------------|---|---------|--|
| Product Name | Mobile phone | | | |
| Model No. | SL6010 | | | |
| Serial No. | N/A | | | |
| Took Otenderd | FCC Part 2 | FCC Part 22(H), FCC Part 24(E), FCC Part 27: 2014; ANSI/TIA | | |
| Test Standard | C603 D: 20 | C603 D: 2010 | | |
| Test Date | October 27 to November 18, 2015 | | | |
| Issue Date | November 18, 2015 | | | |
| Test Result | Pass Fail | | | |
| Equipment complied with the specification | | | | |
| Equipment did not comply with the specification | | | | |
| Winnie Zhong David Huang | | | | |
| Winnie Zhang | | David | d Huang | |
| Test Engineer | | Ched | cked 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

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park
South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn



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|----------------|------------------------------------|
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| Canada | EMC, RF/Wireless, SAR, Telecom |
| Taiwan | EMC, RF, Telecom, SAR, Safety |
| Hong Kong | RF/Wireless, SAR, Telecom |
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| Europe | EMC, RF, SAR, Telecom, Safety |



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1. Report Revision History

| Report No. | Report Version | Description | Issue Date |
|-----------------|----------------|-------------|-------------------|
| 15070962-FCC-R5 | NONE | Original | November 18, 2015 |
| | | | |
| | | | |
| | | | |

2. Customer information

| Applicant Name | Verykool USA Inc |
|------------------|---|
| Applicant Add | 3636 Nobel Drive, Suite 325, San Diego, CA 92122 USA |
| Manufacturer | HUIZHOU QIAOXING ELECTRONICS TECHNOLOGY CO.,LTD |
| Manufacturer Add | Room 1906 of VIA Building, No.9966 Shennan Avenue, Yuehai Street in Nanshan |
| | District, Shenzhen |

3. Test site information

| 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. | 718246 | | |
| IC Test Site No. | 4842E-1 | | |
| Test Software | Radiated Emission Program-To Shenzhen v2.0 | | |



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4. Equipment under Test (EUT) Information

Description of EUT: Mobile phone

Main Model: SL6010

Serial Model: N/A

Date EUT received: October 26, 2015

Test Date(s): October 27 to November 18, 2015

Equipment Category : PCE

GSM850: 1.7 dBi PCS1900: 3.7 dBi

UMTS-FDD Band V: 1.7 dBi UMTS-FDD Band IV: 3.6 dBi UMTS-FDD Band II: 3.7 dBi Bluetooth/BLE: 3.0 dBi

Antenna Gain: WIFI: 2.8 dBi

LTE Band 2: 3.7 dBi LTE Band 4: 3.6 dBi LTE Band 5: 1.7 dBi LTE Band 7: 2.8 dBi LTE Band 17: 1.7 dBi

GPS:1.8 dBi

GSM / GPRS: GMSK EGPRS: GMSK,8PSK

UMTS-FDD: QPSK, 16QAM 802.11b/g/n: DSSS, OFDM

Type of Modulation:

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK

LTE Band: QPSK, 16QAM

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

WIFI:802.11b/g/n(20M): 2412-2462 MHz

RF Operating Frequency (ies): WIFI:802.11n(40M): 2422-2472 MHz

Bluetooth& BLE: 2402-2480 MHz

LTE Band 2 TX: $1852.5 \sim 1907.5$ MHz; RX: $1932.5 \sim 1987.5$ MHz LTE Band 4 TX: $1712.5 \sim 1752.5$ MHz; RX: $2112.5 \sim 2152.5$ MHz LTE Band 5 TX: $826.5 \sim 846.5$ MHz; RX: $871.5 \sim 891.5$ MHz

LTE Band 7 TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz

LTE Band 12 TX:699.7 ~ 715.3 MHz; RX : 729.7~ 745.3MHz LTE Band 17 TX: 706.5 ~ 713.5 MHz; RX : 736.5 ~ 743.5 MHz

GPS RX:1575.42 MHz

LTE Band 2: 23.69dBm

LTE Band 4: 23.28dBm

AV Power to Antenna:

Maximum Conducted

LTE Band 5: 23.63dBm LTE Band 7: 22.49 dBm

LTE Band 17: 23.86 dBm

LTE Band 2: 26.88 dBm / EIRP

LTE Band 4: 26.38 dBm / EIRP

ERP/EIRP: LTE Band 5: 25.02 dBm / EIRP

LTE Band 7: 25.86 dBm / EIRP LTE Band 17: 25.43dBm / ERP

Port: Power Port, Earphone Port, USB Port

Adapter:

Model:STC-A515A-Z

Input: AC 100-240V; 50/60Hz; 300mA

Output: DC 5.0V,1500mA

Input Power:
Battery:

Model:Q600

Spec:3.7V,2500mAh(9.25Wh)

Limited charger voltage:4.2V



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Trade Name : verykool

GPRS/EGPRS Multi-slot class 8/10/12

FCC ID: WA6SL6010



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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 | | |
| § 24.232 (d); § 27.50(d) | Peak-Average Ratio | Compliance | |
| § 2.1047 | Modulation Characteristics | Compliance | |
| § 2.1049; § 22.905; § 22.917; | 000/ 9, 26 dB Occupied Bandwidth | Compliance | |
| § 24.238; § 27.53(a.5) | 99% & -26 dB Occupied Bandwidth | | |
| § 2.1051; § 22.917(a); | Courieus Emissions et Antonno Torreirol | Commission | |
| § 24.238(a); § 27.53(h) | Spurious Emissions at Antenna Terminal | Compliance | |
| § 2.1053; § 22.917(a); | Field Strongth of Spurious Dediction | Compliance | |
| § 24.238(a); § 27.53(h) | Field Strength of Spurious Radiation | | |
| § 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 | Compliance | |
| § 27.5(h); § 27.54 | Frequency stability vs. voltage | | |

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: 15070962-FCC-H.



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6.2 RF Output Power

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

| Requirement(s): | | | | | | | | |
|-----------------|-----------------------------|--|---|--|--|--|--|--|
| Spec | Item Requirement Applicable | | | | | | | |
| §22.913 (a) | a) | a) ERP:38.45dBm | | | | | | |
| §24.232 (c) | b) | EIRP:33dBm | | | | | | |
| §27.50 (c) | c) | EIRP: 30dBm | | | | | | |
| Test Setup | EUT Base Station | | | | | | | |
| Test Procedure | - | The transmitter output port was connected to base state Set EUT at maximum power through base station. Select lowest, middle, and highest channels for each to different test mode. For ERP/EIRP: The transmitter was placed on a wooden turntable, and transmitting into a non-radiating load which was also plate turntable. 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 ord 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. | d it was laced on the f 3 meters 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 Fail | | | | |
| Test Data Yes | N/A | | | | |
| Test Plot Yes | (See below) N/A | | | | |



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Conducted Power

LTE Band 2:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-------|---------------------|------------------------------|
| | | | 1 | 0 | 0 | 23.24 | 23 ± 1 | |
| | | | 1 | 49 | 0 | 23.26 | 23±1 | |
| | | | | 1 | 99 | 0 | 23.25 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.43 | 23±1 |
| | | | | 50 | 24 | 1 | 22.45 | 23±1 |
| | | | | 50 | 49 | 1 | 22.46 | 23±1 |
| | 18700 | 1860.0 | | 100 | 0 | 1 | 22.49 | 23±1 |
| | 18700 | 1000.0 | | 1 | 0 | 1 | 22.70 | 22±1 |
| | | | | 1 | 49 | 1 | 22.68 | 22±1 |
| | | | | 1 | 99 | 1 | 22.63 | 22±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.35 | 22±1 |
| | | | | 50 | 24 | 2 | 22.36 | 22±1 |
| | | | | 50 | 49 | 2 | 22.31 | 22±1 |
| | | | | 100 | 0 | 2 | 21.61 | 22±1 |
| | | | | 1 | 0 | 0 | 23.56 | 23±1 |
| | | | | 1 | 49 | 0 | 23.52 | 23±1 |
| | | | | 1 | 99 | 0 | 23.51 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.44 | 23±1 |
| | | | | 50 | 24 | 1 | 22.46 | 23±1 |
| | | 1880.0 | | 50 | 49 | 1 | 22.41 | 23±1 |
| 201411 | 40000 | | | 100 | 0 | 1 | 22.43 | 23±1 |
| 20MHz | 18900 | | | 1 | 0 | 1 | 22.39 | 22±1 |
| | | | | 1 | 49 | 1 | 22.31 | 22±1 |
| | | | | 1 | 99 | 1 | 22.38 | 22±1 |
| | | | 16QAM | 50 | 0 | 2 | 21.82 | 22±1 |
| | | | 200, | 50 | 24 | 2 | 21.82 | 22±1 |
| | | | | 50 | 49 | 2 | 21.86 | 22±1 |
| | | | | 100 | 0 | 2 | 21.50 | 22±1 |
| | | | QPSK | 1 | 0 | 0 | 22.81 | 22±1 |
| | | | | 1 | 49 | 0 | 22.86 | 22±1 |
| | | | | 1 | 99 | 0 | 22.84 | 22±1 |
| | | | | 50 | 0 | 1 | 22.23 | 22±1 |
| | | 9100 1900.0 | | 50 | 24 | 1 | 22.26 | 22±1 |
| | | | | 50 | 49 | 1 | 22.29 | 22±1 |
| | 19100 | | | 100 | 0 | 1 | 22.43 | 22±1 |
| | | | | 1 | 0 | 1 | 22.30 | 22±1 |
| | | | 16QAM | 1 | 49 | 1 | 22.35 | 22±1 |
| | | | | 1 | 99 | 1 | 22.31 | 22±1 |
| | | | | 50 | 0 | 2 | 21.76 | 22±1 |
| | | | | 50 | 24 | 2 | 21.74 | 22±1 |
| | | | | 50 | 49 | 2 | 21.75 | 22±1 |
| | | | | 100 | 0 | 2 | 21.41 | 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 | 23.53 | 23±1 |
| | | | | 1 | 37 | 0 | 23.56 | 23±1 |
| | | | | 1 | 74 | 0 | 23.54 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.66 | 23±1 |
| | | | | 36 | 16 | 1 | 22.63 | 23±1 |
| | | | | 36 | 35 | 1 | 22.68 | 23±1 |
| | 18675 | 1857.5 | | 75 | 0 | 1 | 22.70 | 23±1 |
| | 10073 | 1037.3 | | 1 | 0 | 1 | 22.88 | 22±1 |
| | | | | 1 | 37 | 1 | 22.83 | 22±1 |
| | | | | 1 | 74 | 1 | 22.85 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.35 | 22±1 |
| | | | | 36 | 16 | 2 | 22.39 | 22±1 |
| | | | | 36 | 35 | 2 | 22.34 | 22±1 |
| | | | | 75 | 0 | 2 | 21.72 | 22±1 |
| | | | | 1 | 0 | 0 | 23.58 | 23±1 |
| | | | | 1 | 37 | 0 | 23.53 | 23±1 |
| | | | | 1 | 74 | 0 | 23.54 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.61 | 23±1 |
| | | 1880.0 | | 36 | 16 | 1 | 22.63 | 23±1 |
| | | | | 36 | 35 | 1 | 22.65 | 23±1 |
| 158411- | 10000 | | | 75 | 0 | 1 | 22.51 | 23±1 |
| 15MHz | 18900 | | | 1 | 0 | 1 | 22.30 | 22±1 |
| | | | | 1 | 37 | 1 | 22.35 | 22±1 |
| | | | | 1 | 74 | 1 | 22.34 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 21.86 | 22±1 |
| | | | | 36 | 16 | 2 | 21.82 | 22±1 |
| | | | | 36 | 35 | 2 | 21.85 | 22±1 |
| | | | | 75 | 0 | 2 | 21.64 | 22±1 |
| | | | | 1 | 0 | 0 | 22.88 | 22±1 |
| | | | | 1 | 37 | 0 | 22.86 | 22±1 |
| | | | | 1 | 74 | 0 | 22.83 | 22±1 |
| | | | QPSK | 36 | 0 | 1 | 22.12 | 22±1 |
| | | | | 36 | 16 | 1 | 22.15 | 22±1 |
| | | | | 36 | 35 | 1 | 22.18 | 22±1 |
| | 10125 | 1002.5 | | 75 | 0 | 1 | 22.25 | 22±1 |
| | 19125 | 1902.5 | | 1 | 0 | 1 | 22.12 | 22±1 |
| | | | | 1 | 37 | 1 | 22.16 | 22±1 |
| | | | | 1 | 74 | 1 | 22.13 | 22±1 |
| | | | 16QAM | 36 | 0 | 2 | 21.68 | 22±1 |
| | | | | 36 | 16 | 2 | 21.67 | 22±1 |
| | | | | 36 | 35 | 2 | 21.69 | 22±1 |
| | | | | 75 | 0 | 2 | 21.43 | 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 | 23.53 | 23±1 |
| | | | | 1 | 24 | 0 | 23.56 | 23±1 |
| | | | | 1 | 49 | 0 | 23.54 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.51 | 23±1 |
| | | | | 25 | 12 | 1 | 22.53 | 23±1 |
| | | | | 25 | 24 | 1 | 22.56 | 23±1 |
| | 18650 | 1855 | | 50 | 0 | 1 | 22.53 | 23±1 |
| | 18050 | 1833 | | 1 | 0 | 1 | 22.90 | 22±1 |
| | | | | 1 | 24 | 1 | 22.96 | 22±1 |
| | | | | 1 | 49 | 1 | 22.93 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.35 | 22±1 |
| | | | | 25 | 12 | 2 | 22.36 | 22±1 |
| | | | | 25 | 24 | 2 | 22.31 | 22±1 |
| | | | | 50 | 0 | 2 | 21.62 | 22±1 |
| | | | | 1 | 0 | 0 | 23.27 | 23±1 |
| | | | | 1 | 24 | 0 | 23.29 | 23±1 |
| | | | | 1 | 49 | 0 | 23.24 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.46 | 23±1 |
| | | 1880.0 | | 25 | 12 | 1 | 22.42 | 23±1 |
| | | | | 25 | 24 | 1 | 22.45 | 23±1 |
| 40.4 | 40000 | | | 50 | 0 | 1 | 22.48 | 23±1 |
| 10MHz | 18900 | | | 1 | 0 | 1 | 22.89 | 22±1 |
| | | | | 1 | 24 | 1 | 22.82 | 22±1 |
| | | | | 1 | 49 | 1 | 22.83 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.45 | 22±1 |
| | | | | 25 | 12 | 2 | 22.46 | 22±1 |
| | | | | 25 | 24 | 2 | 22.43 | 22±1 |
| | | | | 50 | 0 | 2 | 21.48 | 22±1 |
| | | | | 1 | 0 | 0 | 22.74 | 23±1 |
| | | | | 1 | 24 | 0 | 22.75 | 23±1 |
| | | | | 1 | 49 | 0 | 22.71 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.07 | 23±1 |
| | | | | 25 | 12 | 1 | 22.09 | 23±1 |
| | | | | 25 | 24 | 1 | 22.03 | 23±1 |
| | 10: | 405- | | 50 | 0 | 1 | 22.08 | 23±1 |
| | 19150 | 1905 | | 1 | 0 | 1 | 21.86 | 22±1 |
| | | | | 1 | 24 | 1 | 21.83 | 22±1 |
| | | | | 1 | 49 | 1 | 21.89 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 21.56 | 22±1 |
| | | | | 25 | 12 | 2 | 21.59 | 22±1 |
| | | | | 25 | 24 | 2 | 21.51 | 22±1 |
| | | | | 50 | 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 | 23.41 | 23±1 |
| | | | | 1 | 12 | 0 | 23.42 | 23±1 |
| | | | | 1 | 24 | 0 | 23.46 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.68 | 23±1 |
| | | | | 12 | 6 | 1 | 22.69 | 23±1 |
| | | | | 12 | 11 | 1 | 22.62 | 23±1 |
| | 10025 | 1053.5 | | 25 | 0 | 1 | 22.57 | 23±1 |
| | 18625 | 1852.5 | | 1 | 0 | 1 | 22.58 | 22±1 |
| | | | | 1 | 12 | 1 | 22.53 | 22±1 |
| | | | | 1 | 24 | 1 | 22.56 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.26 | 22±1 |
| | | | | 12 | 6 | 2 | 22.24 | 22±1 |
| | | | | 12 | 11 | 2 | 22.28 | 22±1 |
| | | | | 25 | 0 | 2 | 21.64 | 22±1 |
| | | | | 1 | 0 | 0 | 23.51 | 23±1 |
| | | | | 1 | 12 | 0 | 23.56 | 23±1 |
| | | | | 1 | 24 | 0 | 23.51 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.53 | 23±1 |
| | | | | 12 | 6 | 1 | 22.54 | 23±1 |
| | | 1880.0 | | 12 | 11 | 1 | 22.51 | 23±1 |
| | | | | 25 | 0 | 1 | 22.60 | 23±1 |
| 5MHz | 18900 | | | 1 | 0 | 1 | 22.89 | 22±1 |
| | | | | 1 | 12 | 1 | 22.83 | 22±1 |
| | | | | 1 | 24 | 1 | 22.86 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.86 | 22±1 |
| | | | 100, | 12 | 6 | 2 | 21.89 | 22±1 |
| | | | | 12 | 11 | 2 | 21.89 | 22±1 |
| | | | | 25 | 0 | 2 | 21.61 | 22±1 |
| | | | | 1 | 0 | 0 | 23.05 | 23±1 |
| | | | | 1 | 12 | 0 | 23.06 | 23±1 |
| | | | | 1 | 24 | 0 | 23.01 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.36 | 23±1 |
| | | | | 12 | 6 | 1 | 22.38 | 23±1 |
| | | | | 12 | 11 | 1 | 22.34 | 23±1 |
| | | | | 25 | 0 | 1 | 22.43 | 23±1 |
| | 19175 | 1907.5 | | 1 | 0 | 1 | 22.26 | 22±1 |
| | | | | 1 | 12 | 1 | 22.23 | 22±1 |
| | | | | 1 | 24 | 1 | 22.29 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.86 | 22±1 |
| | | | | 12 | 6 | 2 | 21.82 | 22±1 |
| | | | | 12 | 11 | 2 | 21.89 | 22±1 |
| | | | | 25 | 0 | 2 | 21.59 | 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 | 23.35 | 23±1 |
| | | | | 1 | 7 | 0 | 23.36 | 23±1 |
| | | | | 1 | 14 | 0 | 23.31 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.63 | 23±1 |
| | | | | 8 | 4 | 1 | 22.68 | 23±1 |
| | | | | 8 | 7 | 1 | 22.61 | 23±1 |
| | 18625 | 1852.5 | | 15 | 0 | 1 | 22.52 | 23±1 |
| | 10023 | 1032.3 | | 1 | 0 | 1 | 22.84 | 22±1 |
| | | | | 1 | 7 | 1 | 22.83 | 22±1 |
| | | | | 1 | 14 | 1 | 22.86 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.46 | 22±1 |
| | | | | 8 | 4 | 2 | 21.49 | 22±1 |
| | | | | 8 | 7 | 2 | 21.43 | 22±1 |
| | | | | 15 | 0 | 2 | 21.57 | 22±1 |
| | | | | 1 | 0 | 0 | 23.52 | 23±1 |
| | | | | 1 | 7 | 0 | 23.56 | 23±1 |
| | | | | 1 | 14 | 0 | 23.51 | 23±1 |
| | | 1880.0 | QPSK | 8 | 0 | 1 | 22.54 | 23±1 |
| | | | | 8 | 4 | 1 | 22.56 | 23±1 |
| | | | | 8 | 7 | 1 | 22.53 | 23±1 |
| 28.41.1 | 18900 | | | 15 | 0 | 1 | 22.51 | 23±1 |
| 3MHz | 18900 | | | 1 | 0 | 1 | 22.31 | 22±1 |
| | | | | 1 | 7 | 1 | 22.36 | $22\!\pm\!1$ |
| | | | | 1 | 14 | 1 | 22.32 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.43 | 22±1 |
| | | | | 8 | 4 | 2 | 21.46 | 22±1 |
| | | | | 8 | 7 | 2 | 21.42 | 22±1 |
| | | | | 15 | 0 | 2 | 21.47 | 22±1 |
| | | | | 1 | 0 | 0 | 23.17 | 23±1 |
| | | | | 1 | 7 | 0 | 23.13 | 23±1 |
| | | | | 1 | 14 | 0 | 23.16 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.45 | 23±1 |
| | | | | 8 | 4 | 1 | 22.46 | 23±1 |
| | | | | 8 | 7 | 1 | 22.43 | 23±1 |
| | 10175 | 1007 5 | | 15 | 0 | 1 | 22.53 | 23±1 |
| | 19175 | 1907.5 | | 1 | 0 | 1 | 22.42 | 22±1 |
| | | | | 1 | 7 | 1 | 22.45 | 22±1 |
| | | | | 1 | 14 | 1 | 22.46 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.44 | 22±1 |
| | | | | 8 | 4 | 2 | 21.45 | 22±1 |
| | | | | 8 | 7 | 2 | 21.42 | 22±1 |
| | | | | 15 | 0 | 2 | 21.71 | 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 | 23.28 | 23±1 |
| | | | | 1 | 2 | 0 | 23.25 | 23±1 |
| | | | | 1 | 5 | 0 | 23.26 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.46 | 23±1 |
| | | | | 3 | 1 | 0 | 23.45 | 23±1 |
| | | | | 3 | 2 | 0 | 23.48 | 23±1 |
| | 10607 | 1050.7 | | 6 | 0 | 1 | 22.65 | 23±1 |
| | 18607 | 1850.7 | | 1 | 0 | 1 | 22.16 | 22±1 |
| | | | | 1 | 2 | 1 | 22.13 | 22±1 |
| | | | | 1 | 5 | 1 | 22.19 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 21.69 | 22±1 |
| | | | | 3 | 1 | 1 | 21.68 | 22±1 |
| | | | | 3 | 2 | 1 | 21.65 | 22±1 |
| | | | | 6 | 0 | 2 | 21.47 | 22±1 |
| | | | | 1 | 0 | 0 | 23.67 | 23±1 |
| | | | | 1 | 2 | 0 | 23.69 | 23±1 |
| | | | | 1 | 5 | 0 | 23.63 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.61 | 23±1 |
| | | | | 3 | 1 | 0 | 23.62 | 23±1 |
| | | | | 3 | 2 | 0 | 23.64 | 23±1 |
| | | | | 6 | 0 | 1 | 22.60 | 23±1 |
| 1.4MHz | 18900 | 1880.0 | | 1 | 0 | 1 | 22.37 | 22±1 |
| | | | | 1 | 2 | 1 | 22.32 | 22±1 |
| | | | | 1 | 5 | 1 | 22.35 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 21.69 | 22±1 |
| | | | | 3 | 1 | 1 | 21.68 | 22±1 |
| | | | | 3 | 2 | 1 | 21.62 | 22±1 |
| | | | | 6 | 0 | 2 | 21.49 | 22±1 |
| | | | | 1 | 0 | 0 | 22.95 | 23±1 |
| | | | | 1 | 2 | 0 | 22.93 | 23±1 |
| | | | | 1 | 5 | 0 | 22.91 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.04 | 23±1 |
| | | | | 3 | 1 | 0 | 22.93 | 23±1 |
| | | | | 3 | 2 | 0 | 22.96 | 23±1 |
| | | | | 6 | 0 | 1 | 22.42 | 23±1 |
| | 19193 | 1909.3 | | 1 | 0 | 1 | 22.31 | 22±1 |
| | | | | 1 | 2 | 1 | 22.35 | 22±1 |
| | | | | 1 | 5 | 1 | 22.37 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 21.73 | 22±1 |
| | | | | 3 | 1 | 1 | 21.75 | 22±1 |
| | | | | 3 | 2 | 1 | 21.72 | 22±1 |
| | | | | 6 | 0 | 2 | 21.49 | 22±1 |



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LTE Band 4:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 22.83 | 23±1 |
| | | | | 1 | 49 | 0 | 22.86 | 23±1 |
| | | | | 1 | 99 | 0 | 22.85 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.79 | 23±1 |
| | | | | 50 | 24 | 1 | 22.73 | 23±1 |
| | | | | 50 | 49 | 1 | 22.76 | 23±1 |
| | 20050 | 1720.0 | | 100 | 0 | 1 | 22.79 | 23±1 |
| | 20050 | 1720.0 | | 1 | 0 | 1 | 23.09 | 23±1 |
| | | | | 1 | 49 | 1 | 23.06 | 23±1 |
| | | | | 1 | 99 | 1 | 23.04 | 23±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.81 | 23±1 |
| | | | | 50 | 24 | 2 | 22.85 | 23±1 |
| | | | | 50 | 49 | 2 | 22.86 | 23±1 |
| | | | | 100 | 0 | 2 | 22.75 | 23±1 |
| | | | | 1 | 0 | 0 | 22.83 | 23±1 |
| | | | QPSK | 1 | 49 | 0 | 22.86 | 23±1 |
| | | | | 1 | 99 | 0 | 22.85 | 23±1 |
| | | | | 50 | 0 | 1 | 22.72 | 23±1 |
| | | | | 50 | 24 | 1 | 22.76 | 23±1 |
| | | | | 50 | 49 | 1 | 22.73 | 23±1 |
| | | | | 100 | 0 | 1 | 22.74 | 23±1 |
| 20MHz | 20175 | 1732.5 | | 1 | 0 | 1 | 22.68 | 23±1 |
| | | | | 1 | 49 | 1 | 22.69 | 23±1 |
| | | | | 1 | 99 | 1 | 22.63 | 23±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.71 | 23±1 |
| | | | | 50 | 24 | 2 | 22.72 | 23±1 |
| | | | | 50 | 49 | 2 | 22.75 | 23±1 |
| | | | | 100 | 0 | 2 | 22.66 | 23±1 |
| | | | | 1 | 0 | 0 | 22.74 | 23±1 |
| | | | | 1 | 49 | 0 | 22.76 | 23±1 |
| | | | | 1 | 99 | 0 | 22.71 | 23±1 |
| | | | QPSK | 50 | 0 | 1 | 22.82 | 23±1 |
| | | | | 50 | 24 | 1 | 22.86 | 23±1 |
| | | | | 50 | 49 | 1 | 22.84 | 23±1 |
| | 20222 | 4745.0 | | 100 | 0 | 1 | 22.81 | 23±1 |
| | 20300 | 1745.0 | | 1 | 0 | 1 | 23.01 | 23±1 |
| | | | | 1 | 49 | 1 | 23.09 | 23±1 |
| | | | | 1 | 99 | 1 | 23.05 | 23±1 |
| | | | 16QAM | 50 | 0 | 2 | 22.86 | 23±1 |
| | | | | 50 | 24 | 2 | 22.89 | 23±1 |
| | | | | 50 | 49 | 2 | 22.83 | 23±1 |
| | | | | 100 | 0 | 2 | 22.75 | 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 | 22.75 | 23±1 |
| | | | | 1 | 37 | 0 | 22.76 | 23±1 |
| | | | | 1 | 74 | 0 | 22.73 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.90 | 23±1 |
| | | | | 36 | 16 | 1 | 22.91 | 23±1 |
| | | | | 36 | 35 | 1 | 22.96 | 23±1 |
| | 20025 | 1717.5 | | 75 | 0 | 1 | 22.94 | 23±1 |
| | 20025 | 1/1/.5 | | 1 | 0 | 1 | 23.21 | 23±1 |
| | | | | 1 | 37 | 1 | 23.25 | 23±1 |
| | | | | 1 | 74 | 1 | 23.26 | 23±1 |
| | | | 16QAM | 36 | 0 | 2 | 23.01 | 23±1 |
| | | | | 36 | 16 | 2 | 23.06 | 23±1 |
| | | | | 36 | 35 | 2 | 23.02 | 23±1 |
| | | | | 75 | 0 | 2 | 22.94 | 23±1 |
| | | | | 1 | 0 | 0 | 22.73 | 23±1 |
| | | | | 1 | 37 | 0 | 22.76 | 23±1 |
| | | | | 1 | 74 | 0 | 22.75 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.85 | 23±1 |
| | | | | 36 | 16 | 1 | 22.89 | 23±1 |
| | | | | 36 | 35 | 1 | 22.84 | 23±1 |
| 158411- | 20175 | 5 1732.5 | | 75 | 0 | 1 | 22.93 | 23±1 |
| 15MHz | 20175 | | | 1 | 0 | 1 | 23.08 | 23±1 |
| | | | | 1 | 37 | 1 | 23.04 | 23±1 |
| | | | | 1 | 74 | 1 | 23.09 | 23±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.95 | 23±1 |
| | | | | 36 | 16 | 2 | 22.93 | 23±1 |
| | | | | 36 | 35 | 2 | 22.94 | 23±1 |
| | | | | 75 | 0 | 2 | 22.90 | 23±1 |
| | | | | 1 | 0 | 0 | 22.96 | 23±1 |
| | | | | 1 | 37 | 0 | 22.93 | 23±1 |
| | | | | 1 | 74 | 0 | 22.98 | 23±1 |
| | | | QPSK | 36 | 0 | 1 | 22.88 | 23±1 |
| | | | | 36 | 16 | 1 | 22.86 | 23±1 |
| | | | | 36 | 35 | 1 | 22.85 | 23±1 |
| | 20225 | 1747 5 | | 75 | 0 | 1 | 22.87 | 23±1 |
| | 20325 | 1747.5 | | 1 | 0 | 1 | 22.75 | 23±1 |
| | | | | 1 | 37 | 1 | 22.73 | 23±1 |
| | | | | 1 | 74 | 1 | 22.78 | 23±1 |
| | | | 16QAM | 36 | 0 | 2 | 22.78 | 23±1 |
| | | | | 36 | 16 | 2 | 22.79 | 23±1 |
| | | | | 36 | 35 | 2 | 22.79 | 23±1 |
| | | | | 75 | 0 | 2 | 22.83 | 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 | 22.72 | 23±1 |
| | | | | 1 | 24 | 0 | 22.75 | 23±1 |
| | | | | 1 | 49 | 0 | 22.73 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.81 | 23±1 |
| | | | | 25 | 12 | 1 | 22.85 | 23±1 |
| | | | | 25 | 24 | 1 | 22.86 | 23±1 |
| | 20000 | 4745.0 | | 50 | 0 | 1 | 22.90 | 23±1 |
| | 20000 | 1715.0 | | 1 | 0 | 1 | 23.22 | 23±1 |
| | | | | 1 | 24 | 1 | 23.26 | 23±1 |
| | | | | 1 | 49 | 1 | 23.24 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.96 | 23±1 |
| | | | | 25 | 12 | 2 | 22.93 | 23±1 |
| | | | | 25 | 24 | 2 | 22.95 | 23±1 |
| | | | | 50 | 0 | 2 | 22.88 | 23±1 |
| | | | | 1 | 0 | 0 | 22.34 | 23±1 |
| | | | | 1 | 24 | 0 | 22.36 | 23±1 |
| | | | | 1 | 49 | 0 | 22.38 | 23±1 |
| | | 1732.5 | QPSK | 25 | 0 | 1 | 22.75 | 23±1 |
| | | | | 25 | 12 | 1 | 22.72 | 23±1 |
| | | | | 25 | 24 | 1 | 22.74 | 23±1 |
| | | | | 50 | 0 | 1 | 22.74 | 23±1 |
| 10MHz | 20175 | | | 1 | 0 | 1 | 22.07 | 23±1 |
| | | | | 1 | 24 | 1 | 22.06 | 23±1 |
| | | | | 1 | 49 | 1 | 22.09 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.43 | 23±1 |
| | | | | 25 | 12 | 2 | 22.46 | 23±1 |
| | | | | 25 | 24 | 2 | 22.42 | 23±1 |
| | | | | 50 | 0 | 2 | 22.64 | 23±1 |
| | | | | 1 | 0 | 0 | 22.66 | 23±1 |
| | | | | 1 | 24 | 0 | 22.63 | 23±1 |
| | | | | 1 | 49 | 0 | 22.68 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.87 | 23±1 |
| | | | | 25 | 12 | 1 | 22.85 | 23±1 |
| | | | | 25 | 24 | 1 | 22.87 | 23±1 |
| | | | | 50 | 0 | 1 | 22.82 | 23±1 |
| | 20350 | 1750.0 | | 1 | 0 | 1 | 22.96 | 23±1 |
| | | | | 1 | 24 | 1 | 22.93 | 23±1 |
| | | | | 1 | 49 | 1 | 22.97 | 23±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.78 | 23±1 |
| | | | | 25 | 12 | 2 | 22.76 | 23±1 |
| | | | | 25 | 24 | 2 | 22.73 | 23±1 |
| | | | | 50 | 0 | 2 | 22.76 | 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 | 22.88 | 23±1 |
| | | | | 1 | 12 | 0 | 22.86 | 23±1 |
| | | | | 1 | 24 | 0 | 22.83 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.94 | 23±1 |
| | | | | 12 | 6 | 1 | 22.93 | 23±1 |
| | | | | 12 | 11 | 1 | 22.96 | 23±1 |
| | 20000 | 1715 0 | | 25 | 0 | 1 | 22.89 | 23±1 |
| | 20000 | 1715.0 | | 1 | 0 | 1 | 22.82 | 23±1 |
| | | | | 1 | 12 | 1 | 22.85 | 23±1 |
| | | | | 1 | 24 | 1 | 22.87 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.86 | 23±1 |
| | | | | 12 | 6 | 2 | 22.85 | 23±1 |
| | | | | 12 | 11 | 2 | 22.89 | 23±1 |
| | | | | 25 | 0 | 2 | 22.91 | 23±1 |
| | | | | 1 | 0 | 0 | 22.73 | 23±1 |
| | | | | 1 | 12 | 0 | 22.76 | 23±1 |
| | | | | 1 | 24 | 0 | 22.75 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.73 | 23±1 |
| | | | | 12 | 6 | 1 | 22.78 | 23±1 |
| | | | | 12 | 11 | 1 | 22.76 | 23±1 |
| 5 N AL I | 20475 | 1732.5 | | 25 | 0 | 1 | 22.72 | 23±1 |
| 5MHz | 20175 | | | 1 | 0 | 1 | 22.97 | 23±1 |
| | | | | 1 | 12 | 1 | 22.96 | 23±1 |
| | | | | 1 | 24 | 1 | 22.95 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.88 | 23±1 |
| | | | | 12 | 6 | 2 | 22.85 | 23±1 |
| | | | | 12 | 11 | 2 | 22.86 | 23±1 |
| | | | | 25 | 0 | 2 | 22.61 | 23±1 |
| | | | | 1 | 0 | 0 | 22.81 | 23±1 |
| | | | | 1 | 12 | 0 | 22.86 | 23±1 |
| | | | | 1 | 24 | 0 | 22.84 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.91 | 23±1 |
| | | | | 12 | 6 | 1 | 22.95 | 23±1 |
| | | | | 12 | 11 | 1 | 22.96 | 23±1 |
| | 20250 | 1750.0 | | 25 | 0 | 1 | 22.84 | 23±1 |
| | 20350 | 1750.0 | | 1 | 0 | 1 | 22.91 | 23±1 |
| | | | | 1 | 12 | 1 | 22.92 | 23±1 |
| | | | | 1 | 24 | 1 | 22.95 | 23±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.86 | 23±1 |
| | | | | 12 | 6 | 2 | 22.85 | 23±1 |
| | | | | 12 | 11 | 2 | 22.83 | 23±1 |
| | | | | 25 | 0 | 2 | 22.81 | 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 | 22.76 | 23±1 |
| | | | | 1 | 7 | 0 | 22.72 | 23±1 |
| | | | | 1 | 14 | 0 | 22.78 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.92 | 23±1 |
| | | | | 8 | 4 | 1 | 22.93 | 23±1 |
| | | | | 8 | 7 | 1 | 22.96 | 23±1 |
| | 10065 | 1711 5 | | 15 | 0 | 1 | 22.91 | 23±1 |
| | 19965 | 1711.5 | | 1 | 0 | 1 | 23.26 | 23±1 |
| | | | | 1 | 7 | 1 | 23.25 | 23±1 |
| | | | | 1 | 14 | 1 | 23.28 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.87 | 23±1 |
| | | | | 8 | 4 | 2 | 22.82 | 23±1 |
| | | | | 8 | 7 | 2 | 22.85 | 23±1 |
| | | | | 15 | 0 | 2 | 22.98 | 23±1 |
| | | | | 1 | 0 | 0 | 22.79 | 23±1 |
| | | | | 1 | 7 | 0 | 22.76 | 23±1 |
| | | | QPSK | 1 | 14 | 0 | 22.73 | 23±1 |
| | | | | 8 | 0 | 1 | 22.81 | 23±1 |
| | | 1732.5 | | 8 | 4 | 1 | 22.83 | 23±1 |
| | | | | 8 | 7 | 1 | 22.86 | 23±1 |
| | | | | 15 | 0 | 1 | 22.74 | 23±1 |
| 3MHz | 20175 | | 5 | 1 | 0 | 1 | 22.52 | 23±1 |
| | | | | 1 | 7 | 1 | 22.56 | 23±1 |
| | | | | 1 | 14 | 1 | 22.53 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.72 | 23±1 |
| | | | 202 | 8 | 4 | 2 | 22.75 | 23±1 |
| | | | | 8 | 7 | 2 | 22.76 | 23±1 |
| | | | | 15 | 0 | 2 | 22.60 | 23±1 |
| | | | | 1 | 0 | 0 | 22.91 | 23±1 |
| | | | | 1 | 7 | 0 | 22.96 | 23±1 |
| | | | | 1 | 14 | 0 | 22.94 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.89 | 23±1 |
| | | | , | 8 | 4 | 1 | 22.86 | 23±1 |
| | | | | 8 | 7 | 1 | 22.83 | 23±1 |
| | | 4==== | | 15 | 0 | 1 | 22.88 | 23±1 |
| | 20385 | 1753.5 | | 1 | 0 | 1 | 22.82 | 23±1 |
| | | | | 1 | 7 | 1 | 22.89 | 23±1 |
| | | | | 1 | 14 | 1 | 22.84 | 23±1 |
| | | | 16QAM | 8 | 0 | 2 | 22.68 | 23±1 |
| | | | | 8 | 4 | 2 | 22.69 | 23±1 |
| | | | | 8 | 7 | 2 | 22.63 | 23±1 |
| | | | | 15 | 0 | 2 | 22.84 | 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 | 22.89 | 22 ± 1 |
| | | | | 1 | 2 | 0 | 22.86 | 22±1 |
| | | | | 1 | 5 | 0 | 22.83 | 22±1 |
| | | | QPSK | 3 | 0 | 0 | 22.99 | 22±1 |
| | | | | 3 | 1 | 0 | 22.96 | 22±1 |
| | | | | 3 | 2 | 0 | 22.91 | 22±1 |
| | 10057 | 1710.7 | | 6 | 0 | 1 | 22.93 | 22±1 |
| | 19957 | 1/10./ | | 1 | 0 | 1 | 22.54 | 22±1 |
| | | | | 1 | 2 | 1 | 22.56 | 22±1 |
| | | | | 1 | 5 | 1 | 22.53 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.58 | 22±1 |
| | | | | 3 | 1 | 1 | 22.61 | 22±1 |
| | | | | 3 | 2 | 1 | 22.64 | 22±1 |
| | | | | 6 | 0 | 2 | 22.78 | 22±1 |
| | | | | 1 | 0 | 0 | 22.85 | 22±1 |
| | | | | 1 | 2 | 0 | 22.86 | 22±1 |
| | | | | 1 | 5 | 0 | 22.83 | 22±1 |
| | | 1732.5 | QPSK | 3 | 0 | 0 | 22.76 | 22±1 |
| | | | | 3 | 1 | 0 | 22.78 | 22±1 |
| | | | | 3 | 2 | 0 | 22.72 | 22±1 |
| | | | | 6 | 0 | 1 | 22.85 | 22±1 |
| 1.4MHz | 20175 | | | 1 | 0 | 1 | 22.58 | 22±1 |
| | | | | 1 | 2 | 1 | 22.56 | 22±1 |
| | | | | 1 | 5 | 1 | 22.53 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.62 | 22±1 |
| | | | 200, | 3 | 1 | 1 | 22.65 | 22±1 |
| | | | | 3 | 2 | 1 | 22.63 | 22±1 |
| | | | | 6 | 0 | 2 | 22.74 | 22±1 |
| | | | | 1 | 0 | 0 | 22.93 | 22±1 |
| | | | | 1 | 2 | 0 | 22.96 | 22±1 |
| | | | | 1 | 5 | 0 | 22.91 | 22±1 |
| | | | QPSK | 3 | 0 | 0 | 22.97 | 22±1 |
| | | | | 3 | 1 | 0 | 22.92 | 22±1 |
| | | | | 3 | 2 | 0 | 22.95 | 22±1 |
| | | 4== | | 6 | 0 | 1 | 22.90 | 22±1 |
| | 20393 | 1754.3 | | 1 | 0 | 1 | 22.88 | 22±1 |
| | | | | 1 | 2 | 1 | 22.86 | 22±1 |
| | | | | 1 | 5 | 1 | 22.83 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.74 | 22±1 |
| | | | | 3 | 1 | 1 | 22.75 | 22±1 |
| | | | | 3 | 2 | 1 | 22.71 | 22±1 |
| | | | | 6 | 0 | 2 | 22.69 | 22±1 |



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LTE Band 5:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 23.15 | 23 ± 1 |
| | | | | 1 | 24 | 0 | 23.18 | 23±1 |
| | | | | 1 | 49 | 0 | 23.16 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.35 | 23±1 |
| | | | | 25 | 12 | 1 | 22.36 | 23±1 |
| | | | | 25 | 24 | 1 | 22.39 | 23±1 |
| | 20450 | 829 | | 50 | 0 | 1 | 22.34 | 23±1 |
| | 20430 | 629 | | 1 | 0 | 1 | 22.90 | 22±1 |
| | | | | 1 | 24 | 1 | 22.93 | 22 ± 1 |
| | | | | 1 | 49 | 1 | 22.91 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.51 | 22 ± 1 |
| | | | | 25 | 12 | 2 | 22.56 | 22±1 |
| | | | | 25 | 24 | 2 | 22.53 | 22±1 |
| | | | | 50 | 0 | 2 | 21.52 | 22±1 |
| | | | | 1 | 0 | 0 | 23.49 | 23±1 |
| | | | | 1 | 24 | 0 | 23.46 | 23±1 |
| | | | | 1 | 49 | 0 | 23.42 | 23±1 |
| | | 836.5 | QPSK | 25 | 0 | 1 | 22.53 | 23±1 |
| | | | | 25 | 12 | 1 | 22.56 | 23±1 |
| | | | | 25 | 24 | 1 | 22.51 | 23±1 |
| 100411- | 20525 | | | 50 | 0 | 1 | 22.51 | 23±1 |
| 10MHz | 20525 | | | 1 | 0 | 1 | 22.98 | 22±1 |
| | | | | 1 | 24 | 1 | 22.96 | 22±1 |
| | | | | 1 | 49 | 1 | 22.93 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.48 | 22±1 |
| | | | | 25 | 12 | 2 | 22.46 | 22±1 |
| | | | | 25 | 24 | 2 | 22.43 | 22±1 |
| | | | | 50 | 0 | 2 | 21.65 | 22±1 |
| | | | | 1 | 0 | 0 | 23.45 | 23±1 |
| | | | | 1 | 24 | 0 | 23.42 | 23±1 |
| | | | | 1 | 49 | 0 | 23.48 | 23±1 |
| | | | QPSK | 25 | 0 | 1 | 22.52 | 23±1 |
| | | | | 25 | 12 | 1 | 22.56 | 23±1 |
| | | | | 25 | 24 | 1 | 22.51 | 23±1 |
| | 20000 | 044 | | 50 | 0 | 1 | 22.52 | 23±1 |
| | 20600 | 844 | | 1 | 0 | 1 | 22.99 | 22±1 |
| | | | | 1 | 24 | 1 | 22.96 | 22±1 |
| | | | | 1 | 49 | 1 | 22.95 | 22±1 |
| | | | 16QAM | 25 | 0 | 2 | 22.52 | 22±1 |
| | | | | 25 | 12 | 2 | 22.56 | 22±1 |
| | | | | 25 | 24 | 2 | 22.52 | 22±1 |
| | | | | 50 | 0 | 2 | 21.65 | 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 | 23.23 | 23±1 |
| | | | | 1 | 12 | 0 | 23.26 | 23±1 |
| | | | | 1 | 24 | 0 | 23.28 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.29 | 23±1 |
| | | | | 12 | 6 | 1 | 22.23 | 23±1 |
| | | | | 12 | 11 | 1 | 22.28 | 23±1 |
| | 20425 | 826.5 | | 25 | 0 | 1 | 22.26 | 23±1 |
| | 20423 | 820.3 | | 1 | 0 | 1 | 22.22 | 22±1 |
| | | | | 1 | 12 | 1 | 22.23 | 22±1 |
| | | | | 1 | 24 | 1 | 22.25 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.05 | 22±1 |
| | | | | 12 | 6 | 2 | 22.09 | 22±1 |
| | | | | 12 | 11 | 2 | 22.06 | 22±1 |
| | | | | 25 | 0 | 2 | 21.37 | 22±1 |
| | | | | 1 | 0 | 0 | 23.39 | 23±1 |
| | | | | 1 | 12 | 0 | 23.31 | 23±1 |
| | | | | 1 | 24 | 0 | 23.34 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.48 | 23±1 |
| | | | | 12 | 6 | 1 | 22.46 | 23±1 |
| | | | | 12 | 11 | 1 | 22.43 | 23±1 |
| | 20525 | 026 5 | | 25 | 0 | 1 | 22.45 | 23±1 |
| 5MHz | 20525 | 836.5 | | 1 | 0 | 1 | 22.87 | 22±1 |
| | | | | 1 | 12 | 1 | 22.83 | 22±1 |
| | | | | 1 | 24 | 1 | 22.82 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 22.34 | 22±1 |
| | | | | 12 | 6 | 2 | 22.36 | 22±1 |
| | | | | 12 | 11 | 2 | 22.37 | 22±1 |
| | | | | 25 | 0 | 2 | 21.52 | 22±1 |
| | | | | 1 | 0 | 0 | 23.34 | 23±1 |
| | | | | 1 | 12 | 0 | 23.36 | 23±1 |
| | | | | 1 | 24 | 0 | 23.31 | 23±1 |
| | | | QPSK | 12 | 0 | 1 | 22.56 | 23±1 |
| | | | | 12 | 6 | 1 | 22.59 | 23±1 |
| | | | | 12 | 11 | 1 | 22.52 | 23±1 |
| | | | | 25 | 0 | 1 | 22.52 | 23±1 |
| | 20625 | 846.5 | | 1 | 0 | 1 | 22.45 | 22±1 |
| | | | | 1 | 12 | 1 | 22.49 | 22±1 |
| | | | | 1 | 24 | 1 | 22.43 | 22±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.86 | 22±1 |
| | | | | 12 | 6 | 2 | 21.89 | 22±1 |
| | | | | 12 | 11 | 2 | 21.84 | 22±1 |
| | | | | 25 | 0 | 2 | 21.66 | 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 | 23.13 | 23±1 |
| | | | | 1 | 7 | 0 | 23.16 | 23±1 |
| | | | | 1 | 14 | 0 | 23.14 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.22 | 23±1 |
| | | | | 8 | 4 | 1 | 22.26 | 23±1 |
| | | | | 8 | 7 | 1 | 22.23 | 23±1 |
| | 20415 | 825.5 | | 15 | 0 | 1 | 22.25 | 23±1 |
| | 20413 | 823.3 | | 1 | 0 | 1 | 22.62 | 22±1 |
| | | | | 1 | 7 | 1 | 22.65 | 22±1 |
| | | | | 1 | 14 | 1 | 22.63 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.21 | 22±1 |
| | | | | 8 | 4 | 2 | 21.28 | 22±1 |
| | | | | 8 | 7 | 2 | 21.25 | 22±1 |
| | | | | 15 | 0 | 2 | 21.39 | 22±1 |
| | | | | 1 | 0 | 0 | 23.40 | 23±1 |
| | | | | 1 | 7 | 0 | 23.46 | 23±1 |
| | | | | 1 | 14 | 0 | 23.41 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.26 | 23±1 |
| | | | | 8 | 4 | 1 | 22.29 | 23±1 |
| | | | | 8 | 7 | 1 | 22.23 | 23±1 |
| 2444 | 20525 | 026.5 | | 15 | 0 | 1 | 22.40 | 23±1 |
| 3MHz | 20525 | 836.5 | | 1 | 0 | 1 | 22.27 | 22±1 |
| | | | | 1 | 7 | 1 | 22.25 | 22±1 |
| | | | | 1 | 14 | 1 | 22.23 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.36 | 22±1 |
| | | | | 8 | 4 | 2 | 21.38 | 22±1 |
| | | | | 8 | 7 | 2 | 21.39 | 22±1 |
| | | | | 15 | 0 | 2 | 21.47 | 22±1 |
| | | | | 1 | 0 | 0 | 23.41 | 23±1 |
| | | | | 1 | 7 | 0 | 23.45 | 23±1 |
| | | | | 1 | 14 | 0 | 23.46 | 23±1 |
| | | | QPSK | 8 | 0 | 1 | 22.34 | 23±1 |
| | | | | 8 | 4 | 1 | 22.36 | 23±1 |
| | | | | 8 | 7 | 1 | 22.38 | 23±1 |
| | | | | 15 | 0 | 1 | 22.54 | 23±1 |
| | 20635 | 847.5 | | 1 | 0 | 1 | 22.40 | 22±1 |
| | | | | 1 | 7 | 1 | 22.46 | 22±1 |
| | | | | 1 | 14 | 1 | 22.42 | 22±1 |
| | | | 16QAM | 8 | 0 | 2 | 21.31 | 22±1 |
| | | | | 8 | 4 | 2 | 21.35 | 22±1 |
| | | | | 8 | 7 | 2 | 21.36 | 22±1 |
| | | | | 15 | 0 | 2 | 21.65 | 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 | 23.34 | 23±1 |
| | | | | 1 | 2 | 0 | 23.36 | 23±1 |
| | | | | 1 | 5 | 0 | 23.38 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.39 | 23±1 |
| | | | | 3 | 1 | 0 | 23.31 | 23±1 |
| | | | | 3 | 2 | 0 | 23.38 | 23 ± 1 |
| | 20407 | 824.7 | | 6 | 0 | 1 | 22.21 | 23±1 |
| | 20407 | 024.7 | | 1 | 0 | 1 | 22.14 | $22\!\pm\!1$ |
| | | | | 1 | 2 | 1 | 22.19 | 22±1 |
| | | | | 1 | 5 | 1 | 22.20 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 21.86 | 22±1 |
| | | | | 3 | 1 | 1 | 21.83 | 22±1 |
| | | | | 3 | 2 | 1 | 21.85 | 22±1 |
| | | | | 6 | 0 | 2 | 21.22 | 22±1 |
| | | | | 1 | 0 | 0 | 23.37 | 23±1 |
| | | | | 1 | 2 | 0 | 23.36 | 23±1 |
| | | | | 1 | 5 | 0 | 23.31 | 23±1 |
| | | 000 5 | QPSK | 3 | 0 | 0 | 23.59 | 23±1 |
| | | | | 3 | 1 | 0 | 23.56 | 23±1 |
| | | | | 3 | 2 | 0 | 23.51 | 23±1 |
| 4 | 20525 | | | 6 | 0 | 1 | 22.23 | 23±1 |
| 1.4MHz | 20525 | 836.5 | | 1 | 0 | 1 | 22.45 | 22±1 |
| | | | | 1 | 2 | 1 | 22.46 | 22±1 |
| | | | | 1 | 5 | 1 | 22.43 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 22.13 | 22±1 |
| | | | | 3 | 1 | 1 | 22.19 | 22±1 |
| | | | | 3 | 2 | 1 | 22.15 | 22±1 |
| | | | | 6 | 0 | 2 | 21.24 | 22±1 |
| | | | | 1 | 0 | 0 | 23.31 | 23±1 |
| | | | | 1 | 2 | 0 | 23.35 | 23±1 |
| | | | | 1 | 5 | 0 | 23.36 | 23±1 |
| | | | QPSK | 3 | 0 | 0 | 23.60 | 23±1 |
| | | | | 3 | 1 | 0 | 23.63 | 23±1 |
| | | | | 3 | 2 | 0 | 23.61 | 23±1 |
| | | | | 6 | 0 | 1 | 22.35 | 23±1 |
| | 20643 | 848.3 | | 1 | 0 | 1 | 22.05 | 22±1 |
| | | | | 1 | 2 | 1 | 22.09 | 22±1 |
| | | | | 1 | 5 | 1 | 22.05 | 22±1 |
| | | | 16QAM | 3 | 0 | 1 | 21.75 | 22±1 |
| | | | | 3 | 1 | 1 | 21.79 | 22±1 |
| | | | | 3 | 2 | 1 | 21.76 | 22±1 |
| | | | | 6 | 0 | 2 | 21.39 | 22±1 |



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LTE Band 7:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|
| | | | | 1 | 0 | 0 | 21.58 | 21.3±1 |
| | | | | 1 | 49 | 0 | 21.56 | 21.3±1 |
| | | | | 1 | 99 | 0 | 21.53 | 21.3±1 |
| | | | QPSK | 50 | 0 | 1 | 21.11 | 21.3±1 |
| | | | | 50 | 24 | 1 | 21.13 | 21.3±1 |
| | | | | 50 | 49 | 1 | 21.16 | 21.3±1 |
| | 20850 | 2510 | | 100 | 0 | 1 | 21.24 | 21.3±1 |
| | 20630 | 2310 | | 1 | 0 | 1 | 21.23 | 21.3±1 |
| | | | | 1 | 49 | 1 | 21.25 | 21.3 ± 1 |
| | | | | 1 | 99 | 1 | 21.26 | 21.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 20.75 | 21.3±1 |
| | | | | 50 | 24 | 2 | 20.73 | 21.3±1 |
| | | | | 50 | 49 | 2 | 20.75 | 21.3±1 |
| | | | | 100 | 0 | 2 | 20.36 | 21.3±1 |
| | | | | 1 | 0 | 0 | 22.15 | 21.3±1 |
| | | | QPSK | 1 | 49 | 0 | 22.13 | 21.3±1 |
| | | | | 1 | 99 | 0 | 22.16 | 21.3±1 |
| | | 2535 | | 50 | 0 | 1 | 20.88 | 21.3±1 |
| | | | | 50 | 24 | 1 | 20.86 | 21.3±1 |
| | | | | 50 | 49 | 1 | 20.83 | 21.3±1 |
| 20MHz | 21100 | | | 100 | 0 | 1 | 20.94 | 21.3±1 |
| ZUIVITIZ | 21100 | | | 1 | 0 | 1 | 20.83 | 21.3±1 |
| | | | | 1 | 49 | 1 | 20.86 | 21.3±1 |
| | | | | 1 | 99 | 1 | 20.82 | 21.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 20.62 | 21.3±1 |
| | | | | 50 | 24 | 2 | 20.63 | 21.3±1 |
| | | | | 50 | 49 | 2 | 20.65 | 21.3±1 |
| | | | | 100 | 0 | 2 | 20.36 | 21.3±1 |
| | | | | 1 | 0 | 0 | 21.44 | 21.3±1 |
| | | | | 1 | 49 | 0 | 21.45 | 21.3±1 |
| | | | | 1 | 99 | 0 | 21.43 | 21.3 ± 1 |
| | | | QPSK | 50 | 0 | 1 | 20.66 | 21.3±1 |
| | | | | 50 | 24 | 1 | 20.68 | 21.3±1 |
| | | | | 50 | 49 | 1 | 20.63 | 21.3±1 |
| | 21250 | 2560 | | 100 | 0 | 1 | 20.63 | 21.3±1 |
| | 21350 | 2560 | | 1 | 0 | 1 | 20.75 | 21.3±1 |
| | | | | 1 | 49 | 1 | 20.72 | 21.3±1 |
| | | | | 1 | 99 | 1 | 20.73 | 21.3±1 |
| | | | 16QAM | 50 | 0 | 2 | 20.56 | 21.3±1 |
| | | | | 50 | 24 | 2 | 20.59 | 21.3±1 |
| | | | | 50 | 49 | 2 | 20.58 | 21.3±1 |
| | | | | 100 | 0 | 2 | 20.34 | 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 | 21.81 | 21.3±1 |
| | | | | 1 | 37 | 0 | 21.86 | 21.3±1 |
| | | | | 1 | 74 | 0 | 21.83 | 21.3±1 |
| | | | QPSK | 36 | 0 | 1 | 21.35 | 21.3±1 |
| | | | | 36 | 16 | 1 | 21.36 | 21.3±1 |
| | | | | 36 | 35 | 1 | 21.39 | 21.3 ± 1 |
| | 20825 | 1717.5 | | 75 | 0 | 1 | 21.35 | 21.3 ± 1 |
| | 20023 | 1/1/.5 | | 1 | 0 | 1 | 21.45 | 21.3 ± 1 |
| | | | | 1 | 37 | 1 | 21.43 | 21.3 ± 1 |
| | | | | 1 | 74 | 1 | 21.43 | 21.3 ± 1 |
| | | | 16QAM | 36 | 0 | 2 | 20.68 | 21.3 ± 1 |
| | | | | 36 | 16 | 2 | 20.69 | 21.3 ± 1 |
| | | | | 36 | 35 | 2 | 20.63 | 21.3 ± 1 |
| | | | | 75 | 0 | 2 | 20.36 | 21.3 ± 1 |
| | | | | 1 | 0 | 0 | 22.14 | 21.3 ± 1 |
| | | | | 1 | 37 | 0 | 22.16 | 21.3±1 |
| | | | | 1 | 74 | 0 | 22.15 | 21.3±1 |
| | | | QPSK | 36 | 0 | 1 | 21.12 | 21.3 ± 1 |
| | | | | 36 | 16 | 1 | 21.15 | 21.3±1 |
| | | 1732.5 | | 36 | 35 | 1 | 21.16 | 21.3±1 |
| 458411- | 24400 | | | 75 | 0 | 1 | 21.14 | 21.3±1 |
| 15MHz | 21100 | | | 1 | 0 | 1 | 20.75 | 21.3±1 |
| | | | | 1 | 37 | 1 | 20.76 | 21.3±1 |
| | | | | 1 | 74 | 1 | 20.73 | 21.3±1 |
| | | | 16QAM | 36 | 0 | 2 | 20.53 | 21.3±1 |
| | | | | 36 | 16 | 2 | 20.56 | 21.3±1 |
| | | | | 36 | 35 | 2 | 20.58 | 21.3±1 |
| | | | | 75 | 0 | 2 | 20.35 | 21. 3 ± 1 |
| | | | | 1 | 0 | 0 | 21.63 | 21.3±1 |
| | | | | 1 | 37 | 0 | 21.65 | 21.3±1 |
| | | | | 1 | 74 | 0 | 21.68 | 21.3±1 |
| | | | QPSK | 36 | 0 | 1 | 20.74 | 21.3±1 |
| | | | | 36 | 16 | 1 | 20.75 | 21.3±1 |
| | | | | 36 | 35 | 1 | 20.76 | 21.3±1 |
| | 24275 | 4747.5 | | 75 | 0 | 1 | 20.72 | 21.3±1 |
| | 21375 | 1747.5 | | 1 | 0 | 1 | 20.96 | 21.3±1 |
| | | | | 1 | 37 | 1 | 20.98 | 21.3±1 |
| | | | | 1 | 74 | 1 | 20.93 | 21.3±1 |
| | | | 16QAM | 36 | 0 | 2 | 20.61 | 21.3±1 |
| | | | | 36 | 16 | 2 | 20.65 | 21.3±1 |
| | | | | 36 | 35 | 2 | 20.63 | 21.3±1 |
| | | | | 75 | 0 | 2 | 20.33 | 21.3±1 |



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| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power | Tune up Power |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------|------------------|
| (141112) | | (141112) | | 7 mocation | Onset | | (dBm) | tolerant |
| | | | | 1 | 0 | 0 | 21.99 | 21.3±1 |
| | | | | 1 | 24 | 0 | 21.98 | 21.3±1 |
| | | | | 1 | 49 | 0 | 21.96 | 21.3±1 |
| | | | QPSK | 25 | 0 | 1 | 21.28 | 21.3±1 |
| | | | | 25 | 12 | 1 | 21.26 | 21.3±1 |
| | | | | 25 | 24 | 1 | 21.29 | 21.3±1 |
| | 20800 | 2502 | | 50 | 0 | 1 | 21.22 | 21.3±1 |
| | 20000 | 2502 | | 1 | 0 | 1 | 21.49 | 21.3±1 |
| | | | | 1 | 24 | 1 | 21.46 | 21.3±1 |
| | | | | 1 | 49 | 1 | 21.43 | 21.3±1 |
| | | | 16QAM | 25 | 0 | 2 | 20.95 | 21.3±1 |
| | | | | 25 | 12 | 2 | 20.93 | 21.3±1 |
| | | | | 25 | 24 | 2 | 20.98 | 21.3±1 |
| | | | | 50 | 0 | 2 | 20.33 | 21.3 ± 1 |
| | | | | 1 | 0 | 0 | 22.11 | 21.3 ± 1 |
| | | | QPSK | 1 | 24 | 0 | 22.15 | 21.3 ± 1 |
| | | | | 1 | 49 | 0 | 22.13 | 21.3 ± 1 |
| | | | | 25 | 0 | 1 | 20.94 | 21.3 ± 1 |
| | | | | 25 | 12 | 1 | 20.93 | 21.3 ± 1 |
| | | 2535 | | 25 | 24 | 1 | 20.95 | 21.3 ± 1 |
| 10MHz | 21100 | | | 50 | 0 | 1 | 20.93 | 21.3 ± 1 |
| TOMITIZ | 21100 | | | 1 | 0 | 1 | 20.71 | 21.3 ± 1 |
| | | | | 1 | 24 | 1 | 20.73 | 21.3 ± 1 |
| | | | | 1 | 49 | 1 | 20.75 | 21.3 ± 1 |
| | | | 16QAM | 25 | 0 | 2 | 20.65 | 21.3 ± 1 |
| | | | | 25 | 12 | 2 | 20.63 | 21.3 ± 1 |
| | | | | 25 | 24 | 2 | 20.62 | 21.3 ± 1 |
| | | | | 50 | 0 | 2 | 20.32 | 21.3 ± 1 |
| | | | | 1 | 0 | 0 | 21.59 | 21.3±1 |
| | | | | 1 | 24 | 0 | 21.56 | 21.3±1 |
| | | | | 1 | 49 | 0 | 21.58 | 21.3±1 |
| | | | QPSK | 25 | 0 | 1 | 20.64 | 21.3±1 |
| | | | | 25 | 12 | 1 | 20.63 | 21.3±1 |
| | | | | 25 | 24 | 1 | 20.68 | 21.3±1 |
| | 21400 | 25.05 | | 50 | 0 | 1 | 20.65 | 21.3±1 |
| | 21400 | 2565 | | 1 | 0 | 1 | 20.93 | 21.3±1 |
| | | | | 1 | 24 | 1 | 20.96 | 21.3±1 |
| | | | | 1 | 49 | 1 | 20.95 | 21.3±1 |
| | | | 16QAM | 25 | 0 | 2 | 20.64 | 21.3±1 |
| | | | | 25 | 12 | 2 | 20.61 | 21.3±1 |
| | | | | 25 | 24 | 2 | 20.63 | 21.3±1 |
| | | | | 50 | 0 | 2 | 20.34 | 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 | 22.23 | 22±1 |
| | | | 1 | 12 | 0 | 22.26 | 22±1 | |
| | | | 1 | 24 | 0 | 22.24 | 22±1 | |
| | 19975 | | QPSK | 12 | 0 | 1 | 21.32 | 22±1 |
| | | | | 12 | 6 | 1 | 21.36 | 22±1 |
| | | | | 12 | 11 | 1 | 21.38 | 22±1 |
| | | 1712.5 | | 25 | 0 | 1 | 21.27 | 22±1 |
| | 19973 | 1/12.3 | | 1 | 0 | 1 | 21.09 | 21.3 ± 1 |
| | | | | 1 | 12 | 1 | 21.08 | 21.3 ± 1 |
| | | | | 1 | 24 | 1 | 21.03 | 21.3±1 |
| | | | 16QAM | 12 | 0 | 2 | 20.68 | 21.3±1 |
| | | | | 12 | 6 | 2 | 20.69 | 21.3±1 |
| | | | | 12 | 11 | 2 | 20.69 | 21.3±1 |
| | | | | 25 | 0 | 2 | 20.36 | 21.3 ± 1 |
| | | | | 1 | 0 | 0 | 22.45 | 22±1 |
| | | | QPSK | 1 | 12 | 0 | 22.49 | 22±1 |
| | | | | 1 | 24 | 0 | 22.48 | 22±1 |
| | | 75 1732.5 | | 12 | 0 | 1 | 21.43 | 22±1 |
| | | | | 12 | 6 | 1 | 21.46 | 22±1 |
| | | | | 12 | 11 | 1 | 21.45 | 22±1 |
| - | 20475 | | | 25 | 0 | 1 | 21.42 | 22±1 |
| 5MHz | 20175 | | | 1 | 0 | 1 | 21.64 | 21.3±1 |
| | | | | 1 | 12 | 1 | 21.62 | 21.3±1 |
| | | | | 1 | 24 | 1 | 21.63 | 21.3±1 |
| | | | 16QAM | 12 | 0 | 2 | 21.05 | 21.3±1 |
| | | | | 12 | 6 | 2 | 21.08 | 21.3±1 |
| | | | | 12 | 11 | 2 | 21.09 | 21.3±1 |
| | | | | 25 | 0 | 2 | 20.32 | 21.3±1 |
| | | | | 1 | 0 | 0 | 22.04 | 22±1 |
| | | | | 1 | 12 | 0 | 22.06 | 22±1 |
| | | | | 1 | 24 | 0 | 22.08 | 22±1 |
| | | | QPSK | 12 | 0 | 1 | 21.16 | 22±1 |
| | | | | 12 | 6 | 1 | 21.19 | 22±1 |
| | | | | 12 | 11 | 1 | 21.18 | 22±1 |
| | | | | 25 | 0 | 1 | 21.13 | 22±1 |
| | 20375 | 1752.5 | | 1 | 0 | 1 | 21.01 | 21.3±1 |
| | | | | 1 | 12 | 1 | 21.06 | 21.3±1 |
| | | | | 1 | 24 | 1 | 21.08 | 21.3±1 |
| | | | 16QAM | 12 | 0 | 2 | 20.68 | 21.3±1 |
| | | | | 12 | 6 | 2 | 20.69 | 21.3±1 |
| | | | | 12 | 11 | 2 | 20.63 | 21.3±1 |
| | | | | 25 | 0 | 2 | 20.34 | 21.3±1 |



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LTE Band 17:

| BW (MHz) | Ch | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) | Tune up Power tolerant | | |
|-------------|-------|----------------|-------|---------------------|-----------------|-----|---------------------------|------------------------------|-------|------|
| | | | | 1 | 0 | 0 | 23.78 | 23±1 | | |
| | | | | 1 | 24 | 0 | 23.72 | 23±1 | | |
| | | | | 1 | 49 | 0 | 23.76 | 23±1 | | |
| | | | QPSK | 25 | 0 | 1 | 22.92 | 23±1 | | |
| | 23780 | | | 25 | 12 | 1 | 22.96 | 23±1 | | |
| | | | | 25 | 24 | 1 | 22.91 | 23±1 | | |
| | | 709.0 | | 50 | 0 | 1 | 22.94 | 23±1 | | |
| | | 703.0 | | 1 | 0 | 1 | 23.29 | 23±1 | | |
| | | | | 1 | 24 | 1 | 23.26 | 23±1 | | |
| | | | | 1 | 49 | 1 | 23.28 | 23±1 | | |
| | | | 16QAM | 25 | 0 | 2 | 22.86 | 23 ± 1 | | |
| | | | | 25 | 12 | 2 | 22.89 | 23±1 | | |
| | | | | 25 | 24 | 2 | 22.85 | 23±1 | | |
| | | | | 50 | 0 | 2 | 22.05 | 23±1 | | |
| | | | | 1 | 0 | 0 | 23.56 | 23 ± 1 | | |
| | | | QPSK | 1 | 24 | 0 | 23.59 | 23±1 | | |
| | | | | 1 | 49 | 0 | 23.51 | 23±1 | | |
| | | | | 25 | 0 | 1 | 22.89 | 23±1 | | |
| | | | | 25 | 12 | 1 | 22.86 | 23±1 | | |
| | | | | 25 | 24 | 1 | 22.83 | 23±1 | | |
| 10MHz | 23790 | 701.0 | | 50 | 0 | 1 | 22.92 | 23±1 | | |
| ΙΟΙΝΙΠΖ | 23/90 | 701.0 | | 1 | 0 | 1 | 22.52 | 22±1 | | |
| | | | | 1 | 24 | 1 | 22.56 | 22±1 | | |
| | | | | 1 | 49 | 1 | 22.58 | 22±1 | | |
| | | | 16QAM | 25 | 0 | 2 | 22.15 | 22±1 | | |
| | | | | 25 | 12 | 2 | 22.16 | 22±1 | | |
| | | | | 25 | 24 | 2 | 22.13 | 22±1 | | |
| | | | | 50 | 0 | 2 | 21.97 | 22±1 | | |
| | | | | | | 1 | 0 | 0 | 23.41 | 23±1 |
| | | | | 1 | 24 | 0 | 23.46 | 23±1 | | |
| | | | | 1 | 49 | 0 | 23.42 | 23±1 | | |
| | | | QPSK | 25 | 0 | 1 | 22.83 | 23±1 | | |
| | | | | 25 | 12 | 1 | 22.86 | 23±1 | | |
| | | | | 25 | 24 | 1 | 22.85 | 23±1 | | |
| | 22000 | 711.0 | | 50 | 0 | 1 | 22.89 | 23±1 | | |
| | 23800 | 711.0 | | 1 | 0 | 1 | 22.46 | 22±1 | | |
| | | | | 1 | 24 | 1 | 22.43 | 22±1 | | |
| | | | | 1 | 49 | 1 | 22.45 | 22±1 | | |
| | | | 16QAM | 25 | 0 | 2 | 22.06 | 22±1 | | |
| | | | | 25 | 12 | 2 | 22.08 | 22±1 | | |
| | | | | 25 | 24 | 2 | 22.04 | 22±1 | | |
| | | | | 50 | 0 | 2 | 21.97 | 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 | 23.77 | 23±1 | |
| | 23755 | | | 1 | 12 | 0 | 23.72 | 23±1 | |
| | | | | 1 | 24 | 0 | 23.75 | 23±1 | |
| | | | QPSK | 12 | 0 | 1 | 22.88 | 23±1 | |
| | | | | 12 | 6 | 1 | 22.86 | 23±1 | |
| | | | | 12 | 11 | 1 | 22.83 | 23±1 | |
| | | 706.5 | | 25 | 0 | 1 | 22.84 | 22±1 | |
| | | 700.5 | | 1 | 0 | 1 | 22.73 | 22±1 | |
| | | | | 1 | 12 | 1 | 22.76 | 22±1 | |
| | | | | 1 | 24 | 1 | 22.75 | 22±1 | |
| | | | 16QAM | 12 | 0 | 2 | 22.43 | 22±1 | |
| | | | | 12 | 6 | 2 | 22.45 | 22±1 | |
| | | | | 12 | 11 | 2 | 22.41 | 22±1 | |
| | | | | 25 | 0 | 2 | 22.00 | 22±1 | |
| | | | | 1 | 0 | 0 | 23.85 | 23±1 | |
| | | | | 1 | 12 | 0 | 23.86 | 23±1 | |
| | | | | 1 | 24 | 0 | 23.82 | 23±1 | |
| | | | QPSK | 12 | 0 | 1 | 22.91 | 23±1 | |
| | | | | 12 | 6 | 1 | 22.93 | 23±1 | |
| | | | | 12 | 11 | 1 | 22.95 | 23±1 | |
| 5 N AL I | 22700 | | | 25 | 0 | 1 | 22.88 | 23±1 | |
| 5MHz | 23790 | 710.0 | | 1 | 0 | 1 | 23.25 | 22.5±1 | |
| | | | | 1 | 12 | 1 | 23.26 | 22.5±1 | |
| | | | | 1 | 24 | 1 | 23.28 | 22.5±1 | |
| | | | 16QAM | 12 | 0 | 2 | 22.56 | 22.5±1 | |
| | | | | 12 | 6 | 2 | 22.53 | 22.5±1 | |
| | | | | 12 | 11 | 2 | 22.58 | 22.5±1 | |
| | | | | | | 25 | 0 | 2 | 21.91 |
| | | | | 1 | 0 | 0 | 23.78 | 23±1 | |
| | | | | 1 | 12 | 0 | 23.72 | 23±1 | |
| | | | | 1 | 24 | 0 | 23.76 | 23±1 | |
| | | | QPSK | 12 | 0 | 1 | 22.88 | 23±1 | |
| | | | | 12 | 6 | 1 | 22.85 | 23±1 | |
| | | | | 12 | 11 | 1 | 22.83 | 23±1 | |
| | | | | 25 | 0 | 1 | 22.87 | 23±1 | |
| | 23825 | 713.5 | | 1 | 0 | 1 | 22.77 | 22±1 | |
| | | | | 1 | 12 | 1 | 22.73 | 22±1 | |
| | | | | 1 | 24 | 1 | 22.76 | 22±1 | |
| | | | 16QAM | 12 | 0 | 2 | 22.34 | 22±1 | |
| | | | | 12 | 6 | 2 | 22.36 | 22±1 | |
| | | | | 12 | 11 | 2 | 22.38 | 22±1 | |
| | | | | 25 | 0 | 2 | 21.94 | 22±1 | |



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ERP & EIRP

EIRP for LTE Band 2 (Part 24E)

| | EIRP for LIE Band 2 (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 | 19.63 | V | 7.88 | 0.85 | 26.66 | 33.01 | | |
| 1880 | 1.4 | QPSK | 1/0 | 19.59 | V | 7.88 | 0.85 | 26.62 | 33.01 | | |
| 1909.3 | 1.4 | QPSK | 1/0 | 19.62 | ٧ | 7.88 | 0.85 | 26.65 | 33.01 | | |
| 1850.7 | 1.4 | QPSK | 1/0 | 18.88 | Н | 7.88 | 0.85 | 25.91 | 33.01 | | |
| 1880 | 1.4 | QPSK | 1/0 | 18.83 | Н | 7.88 | 0.85 | 25.86 | 33.01 | | |
| 1909.3 | 1.4 | QPSK | 1/0 | 18.87 | Н | 7.88 | 0.85 | 25.90 | 33.01 | | |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 18.51 | ٧ | 7.88 | 0.85 | 25.54 | 33.01 | | |
| 1880 | 1.4 | 16-QAM | 1/0 | 18.56 | V | 7.88 | 0.85 | 25.59 | 33.01 | | |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 18.57 | V | 7.88 | 0.85 | 25.60 | 33.01 | | |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 17.69 | Н | 7.88 | 0.85 | 24.72 | 33.01 | | |
| 1880 | 1.4 | 16-QAM | 1/0 | 17.72 | Н | 7.88 | 0.85 | 24.75 | 33.01 | | |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 17.66 | Н | 7.88 | 0.85 | 24.69 | 33.01 | | |
| 1851.5 | 3 | QPSK | 1/0 | 19.84 | V | 7.88 | 0.85 | 26.87 | 33.01 | | |
| 1880 | 3 | QPSK | 1/0 | 19.79 | V | 7.88 | 0.85 | 26.82 | 33.01 | | |
| 1908.5 | 3 | QPSK | 1/0 | 19.85 | V | 7.88 | 0.85 | 26.88 | 33.01 | | |
| 1851.5 | 3 | QPSK | 1/0 | 18.67 | Н | 7.88 | 0.85 | 25.70 | 33.01 | | |
| 1880 | 3 | QPSK | 1/0 | 18.74 | Н | 7.88 | 0.85 | 25.77 | 33.01 | | |
| 1908.5 | 3 | QPSK | 1/0 | 18.73 | Н | 7.88 | 0.85 | 25.76 | 33.01 | | |
| 1851.5 | 3 | 16-QAM | 1/0 | 18.69 | V | 7.88 | 0.85 | 25.72 | 33.01 | | |
| 1880 | 3 | 16-QAM | 1/0 | 18.73 | V | 7.88 | 0.85 | 25.76 | 33.01 | | |
| 1908.5 | 3 | 16-QAM | 1/0 | 18.68 | V | 7.88 | 0.85 | 25.71 | 33.01 | | |
| 1851.5 | 3 | 16-QAM | 1/0 | 17.81 | Н | 7.88 | 0.85 | 24.84 | 33.01 | | |
| 1880 | 3 | 16-QAM | 1/0 | 17.85 | Н | 7.88 | 0.85 | 24.88 | 33.01 | | |
| 1908.5 | 3 | 16-QAM | 1/0 | 17.83 | Н | 7.88 | 0.85 | 24.86 | 33.01 | | |
| 1852.5 | 5 | QPSK | 1/24 | 19.59 | V | 7.88 | 0.85 | 26.62 | 33.01 | | |
| 1880 | 5 | QPSK | 1/0 | 19.61 | V | 7.88 | 0.85 | 26.64 | 33.01 | | |
| 1907.5 | 5 | QPSK | 1/24 | 19.65 | V | 7.88 | 0.85 | 26.68 | 33.01 | | |
| 1852.5 | 5 | QPSK | 1/24 | 18.73 | Н | 7.88 | 0.85 | 25.76 | 33.01 | | |
| 1880 | 5 | QPSK | 1/0 | 18.79 | Н | 7.88 | 0.85 | 25.82 | 33.01 | | |
| 1907.5 | 5 | QPSK | 1/24 | 18.81 | Н | 7.88 | 0.85 | 25.84 | 33.01 | | |
| 1852.5 | 5 | 16-QAM | 1/24 | 18.44 | V | 7.88 | 0.85 | 25.47 | 33.01 | | |
| 1880 | 5 | 16-QAM | 1/0 | 18.49 | V | 7.88 | 0.85 | 25.52 | 33.01 | | |



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| 1907.5 | 5 | 16-QAM | 1/24 | 18.52 | ٧ | 7.88 | 0.85 | 25.55 | 33.01 |
|--------|----|--------|------|-------|---|------|------|-------|-------|
| 1852.5 | 5 | 16-QAM | 1/24 | 17.68 | Н | 7.88 | 0.85 | 24.71 | 33.01 |
| 1880 | 5 | 16-QAM | 1/0 | 17.73 | Н | 7.88 | 0.85 | 24.76 | 33.01 |
| 1907.5 | 5 | 16-QAM | 1/24 | 17.69 | Н | 7.88 | 0.85 | 24.72 | 33.01 |
| 1855 | 10 | QPSK | 1/0 | 19.78 | V | 7.88 | 0.85 | 26.81 | 33.01 |
| 1880 | 10 | QPSK | 1/0 | 19.73 | V | 7.88 | 0.85 | 26.76 | 33.01 |
| 1905 | 10 | QPSK | 1/49 | 19.81 | V | 7.88 | 0.85 | 26.84 | 33.01 |
| 1855 | 10 | QPSK | 1/0 | 18.56 | Н | 7.88 | 0.85 | 25.59 | 33.01 |
| 1880 | 10 | QPSK | 1/0 | 18.62 | Н | 7.88 | 0.85 | 25.65 | 33.01 |
| 1905 | 10 | QPSK | 1/49 | 18.57 | Н | 7.88 | 0.85 | 25.60 | 33.01 |
| 1855 | 10 | 16-QAM | 1/0 | 18.61 | V | 7.88 | 0.85 | 25.64 | 33.01 |
| 1880 | 10 | 16-QAM | 1/0 | 18.58 | V | 7.88 | 0.85 | 25.61 | 33.01 |
| 1905 | 10 | 16-QAM | 1/49 | 18.63 | V | 7.88 | 0.85 | 25.66 | 33.01 |
| 1855 | 10 | 16-QAM | 1/0 | 17.88 | Н | 7.88 | 0.85 | 24.91 | 33.01 |
| 1880 | 10 | 16-QAM | 1/0 | 17.95 | Н | 7.88 | 0.85 | 24.98 | 33.01 |
| 1905 | 10 | 16-QAM | 1/49 | 17.84 | Н | 7.88 | 0.85 | 24.87 | 33.01 |
| 1857.5 | 15 | QPSK | 1/0 | 19.77 | V | 7.88 | 0.85 | 26.80 | 33.01 |
| 1880 | 15 | QPSK | 1/0 | 19.85 | V | 7.88 | 0.85 | 26.88 | 33.01 |
| 1902.5 | 15 | QPSK | 1/0 | 19.78 | V | 7.88 | 0.85 | 26.81 | 33.01 |
| 1857.5 | 15 | QPSK | 1/0 | 18.61 | Н | 7.88 | 0.85 | 25.64 | 33.01 |
| 1880 | 15 | QPSK | 1/0 | 18.58 | Н | 7.88 | 0.85 | 25.61 | 33.01 |
| 1902.5 | 15 | QPSK | 1/0 | 18.64 | Н | 7.88 | 0.85 | 25.67 | 33.01 |
| 1857.5 | 15 | 16-QAM | 1/0 | 18.69 | V | 7.88 | 0.85 | 25.72 | 33.01 |
| 1880 | 15 | 16-QAM | 1/0 | 18.62 | V | 7.88 | 0.85 | 25.65 | 33.01 |
| 1902.5 | 15 | 16-QAM | 1/0 | 18.65 | V | 7.88 | 0.85 | 25.68 | 33.01 |
| 1857.5 | 15 | 16-QAM | 1/0 | 17.85 | Н | 7.88 | 0.85 | 24.88 | 33.01 |
| 1880 | 15 | 16-QAM | 1/0 | 17.89 | Н | 7.88 | 0.85 | 24.92 | 33.01 |
| 1902.5 | 15 | 16-QAM | 1/0 | 17.81 | Н | 7.88 | 0.85 | 24.84 | 33.01 |
| 1860 | 20 | QPSK | 1/0 | 19.83 | V | 7.88 | 0.85 | 26.86 | 33.01 |
| 1880 | 20 | QPSK | 1/0 | 19.79 | V | 7.88 | 0.85 | 26.82 | 33.01 |
| 1900 | 20 | QPSK | 1/0 | 19.85 | V | 7.88 | 0.85 | 26.88 | 33.01 |
| 1860 | 20 | QPSK | 1/0 | 18.72 | Н | 7.88 | 0.85 | 25.75 | 33.01 |
| 1880 | 20 | QPSK | 1/0 | 18.68 | Н | 7.88 | 0.85 | 25.71 | 33.01 |
| 1900 | 20 | QPSK | 1/0 | 18.73 | Н | 7.88 | 0.85 | 25.76 | 33.01 |
| 1860 | 20 | 16-QAM | 1/0 | 18.71 | V | 7.88 | 0.85 | 25.74 | 33.01 |
| 1880 | 20 | 16-QAM | 1/0 | 18.67 | V | 7.88 | 0.85 | 25.70 | 33.01 |
| 1900 | 20 | 16-QAM | 1/0 | 18.75 | V | 7.88 | 0.85 | 25.78 | 33.01 |
| 1860 | 20 | 16-QAM | 1/0 | 17.69 | Н | 7.88 | 0.85 | 24.72 | 33.01 |



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| 1880 | 20 | 16-QAM | 1/0 | 17.73 | Н | 7.88 | 0.85 | 24.76 | 33.01 |
|------|----|--------|-----|-------|---|------|------|-------|-------|
| 1900 | 20 | 16-QAM | 1/0 | 17.64 | Н | 7.88 | 0.85 | 24.67 | 33.01 |



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EIRP for LTE Band 4 (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 | 19.15 | V | 7.95 | 0.79 | 26.31 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 19.19 | V | 7.95 | 0.79 | 26.35 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 19.08 | V | 7.95 | 0.79 | 26.24 | 30 |
| 1710.7 | 1.4 | QPSK | 1/0 | 18.46 | Н | 7.95 | 0.79 | 25.62 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 18.52 | Н | 7.95 | 0.79 | 25.68 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 18.49 | Н | 7.95 | 0.79 | 25.65 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 18.08 | V | 7.95 | 0.79 | 25.24 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 18.12 | V | 7.95 | 0.79 | 25.28 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 18.07 | V | 7.95 | 0.79 | 25.23 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 17.33 | Н | 7.95 | 0.79 | 24.49 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 17.29 | Н | 7.95 | 0.79 | 24.45 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 17.38 | Н | 7.95 | 0.79 | 24.54 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 19.16 | V | 7.95 | 0.79 | 26.32 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 19.12 | V | 7.95 | 0.79 | 26.28 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 19.15 | V | 7.95 | 0.79 | 26.31 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 18.39 | Н | 7.95 | 0.79 | 25.55 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 18.42 | Н | 7.95 | 0.79 | 25.58 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 18.38 | Н | 7.95 | 0.79 | 25.54 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 18.08 | ٧ | 7.95 | 0.79 | 25.24 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 18.11 | ٧ | 7.95 | 0.79 | 25.27 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 18.09 | ٧ | 7.95 | 0.79 | 25.25 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 17.26 | Н | 7.95 | 0.79 | 24.42 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 17.31 | Н | 7.95 | 0.79 | 24.47 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 17.27 | Н | 7.95 | 0.79 | 24.43 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 19.22 | V | 7.95 | 0.79 | 26.38 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 19.17 | V | 7.95 | 0.79 | 26.33 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 19.16 | V | 7.95 | 0.79 | 26.32 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 18.33 | Н | 7.95 | 0.79 | 25.49 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 18.31 | Н | 7.95 | 0.79 | 25.47 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 18.36 | Н | 7.95 | 0.79 | 25.52 | 30 |
| 1712.5 | 5 | 16-QAM | 1/0 | 18.19 | V | 7.95 | 0.79 | 25.35 | 30 |
| 1732.5 | 5 | 16-QAM | 1/0 | 18.15 | V | 7.95 | 0.79 | 25.31 | 30 |
| 1752.5 | 5 | 16-QAM | 1/24 | 18.18 | V | 7.95 | 0.79 | 25.34 | 30 |



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| 1712.5 | 5 | 16-QAM | 1/0 | 17.29 | Н | 7.95 | 0.79 | 24.45 | 30 |
|--------|----|--------|------|-------|----------|------|------|-------|----|
| 1732.5 | 5 | 16-QAM | 1/0 | 17.35 | Н | 7.95 | 0.79 | 24.51 | 30 |
| 1752.5 | 5 | 16-QAM | 1/24 | 17.33 | Н | 7.95 | 0.79 | 24.49 | 30 |
| 1715 | 10 | QPSK | 1/0 | 19.13 | V | 7.95 | 0.79 | 26.29 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 19.09 | V | 7.95 | 0.79 | 26.25 | 30 |
| 1750 | 10 | QPSK | 1/0 | 19.15 | V | 7.95 | 0.79 | 26.31 | 30 |
| 1715 | 10 | QPSK | 1/0 | 18.36 | Н | 7.95 | 0.79 | 25.52 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 18.31 | Н | 7.95 | 0.79 | 25.47 | 30 |
| 1750 | 10 | QPSK | 1/0 | 18.29 | Н | 7.95 | 0.79 | 25.45 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 18.09 | V | 7.95 | 0.79 | 25.25 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 18.11 | V | 7.95 | 0.79 | 25.27 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 18.08 | ٧ | 7.95 | 0.79 | 25.24 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 17.22 | Н | 7.95 | 0.79 | 24.38 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 17.29 | Н | 7.95 | 0.79 | 24.45 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 17.31 | Н | 7.95 | 0.79 | 24.47 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 19.18 | V | 7.95 | 0.79 | 26.34 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 19.21 | V | 7.95 | 0.79 | 26.37 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 19.17 | ٧ | 7.95 | 0.79 | 26.33 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 18.36 | Н | 7.95 | 0.79 | 25.52 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 18.31 | Н | 7.95 | 0.79 | 25.47 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 18.33 | Н | 7.95 | 0.79 | 25.49 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 18.06 | V | 7.95 | 0.79 | 25.22 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 18.09 | ٧ | 7.95 | 0.79 | 25.25 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 18.05 | ٧ | 7.95 | 0.79 | 25.21 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 17.26 | Н | 7.95 | 0.79 | 24.42 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 17.29 | Н | 7.95 | 0.79 | 24.45 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 17.25 | Н | 7.95 | 0.79 | 24.41 | 30 |
| 1720 | 20 | QPSK | 1/99 | 19.25 | V | 7.95 | 0.79 | 26.41 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 19.21 | ٧ | 7.95 | 0.79 | 26.37 | 30 |
| 1745 | 20 | QPSK | 1/0 | 19.18 | V | 7.95 | 0.79 | 26.34 | 30 |
| 1720 | 20 | QPSK | 1/99 | 18.35 | Н | 7.95 | 0.79 | 25.51 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 18.32 | Н | 7.95 | 0.79 | 25.48 | 30 |
| 1745 | 20 | QPSK | 1/0 | 18.29 | Н | 7.95 | 0.79 | 25.45 | 30 |
| 1720 | 20 | 16-QAM | 1/99 | 18.16 | V | 7.95 | 0.79 | 25.32 | 30 |
| 1732.5 | 20 | 16-QAM | 1/99 | 18.15 | V | 7.95 | 0.79 | 25.31 | 30 |
| 1745 | 20 | 16-QAM | 1/0 | 18.11 | V | 7.95 | 0.79 | 25.27 | 30 |
| 1720 | 20 | 16-QAM | 1/99 | 17.29 | Н | 7.95 | 0.79 | 24.45 | 30 |
| 1732.5 | 20 | 16-QAM | 1/99 | 17.32 | Н | 7.95 | 0.79 | 24.48 | 30 |



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| | 1 | | | | | | | | T | |
|---|-----|----|--------|-----|-------|---|------|------|-------|----|
| 1 | 745 | 20 | 16-QAM | 1/0 | 17.25 | Н | 7.95 | 0.79 | 24.41 | 30 |



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EIRP for LTE Band 5 (Part 22)

| 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) |
|--------------------|-------------|------------|-------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------|----------------------------|----------------|
| 824.7 | 1.4 | QPSK | 1/5 | 18.52 | V | 6.8 | 0.44 | 24.88 | 34.77 |
| 836.5 | 1.4 | QPSK | 1/5 | 18.55 | V | 6.8 | 0.44 | 24.91 | 34.77 |
| 848.3 | 1.4 | QPSK | 1/5 | 18.56 | V | 6.9 | 0.44 | 25.02 | 34.77 |
| 824.7 | 1.4 | QPSK | 1/5 | 17.71 | Н | 6.8 | 0.44 | 24.07 | 34.77 |
| 836.5 | 1.4 | QPSK | 1/5 | 17.75 | Н | 6.8 | 0.44 | 24.11 | 34.77 |
| 848.3 | 1.4 | QPSK | 1/5 | 17.69 | Н | 6.9 | 0.44 | 24.15 | 34.77 |
| 824.7 | 1.4 | 16-QAM | 1/5 | 17.43 | V | 6.8 | 0.44 | 23.79 | 34.77 |
| 836.5 | 1.4 | 16-QAM | 1/5 | 17.48 | V | 6.8 | 0.44 | 23.84 | 34.77 |
| 848.3 | 1.4 | 16-QAM | 1/5 | 17.42 | ٧ | 6.9 | 0.44 | 23.88 | 34.77 |
| 824.7 | 1.4 | 16-QAM | 1/5 | 16.67 | Н | 6.8 | 0.44 | 23.03 | 34.77 |
| 836.5 | 1.4 | 16-QAM | 1/5 | 16.73 | Н | 6.8 | 0.44 | 23.09 | 34.77 |
| 848.3 | 1.4 | 16-QAM | 1/5 | 16.69 | Н | 6.9 | 0.44 | 23.15 | 34.77 |
| 825.5 | 3 | QPSK | 1/14 | 18.52 | V | 6.8 | 0.44 | 24.88 | 34.77 |
| 836.5 | 3 | QPSK | 1/0 | 18.47 | V | 6.8 | 0.44 | 24.83 | 34.77 |
| 847.5 | 3 | QPSK | 1/14 | 18.51 | ٧ | 6.9 | 0.44 | 24.97 | 34.77 |
| 825.5 | 3 | QPSK | 1/14 | 17.66 | Н | 6.8 | 0.44 | 24.02 | 34.77 |
| 836.5 | 3 | QPSK | 1/0 | 17.62 | Н | 6.8 | 0.44 | 23.98 | 34.77 |
| 847.5 | 3 | QPSK | 1/14 | 17.69 | Н | 6.9 | 0.44 | 24.15 | 34.77 |
| 825.5 | 3 | 16-QAM | 1/14 | 17.43 | ٧ | 6.8 | 0.44 | 23.79 | 34.77 |
| 836.5 | 3 | 16-QAM | 1/0 | 17.41 | ٧ | 6.8 | 0.44 | 23.77 | 34.77 |
| 847.5 | 3 | 16-QAM | 1/14 | 17.48 | ٧ | 6.9 | 0.44 | 23.94 | 34.77 |
| 825.5 | 3 | 16-QAM | 1/14 | 16.63 | Н | 6.8 | 0.44 | 22.99 | 34.77 |
| 836.5 | 3 | 16-QAM | 1/0 | 16.67 | Н | 6.8 | 0.44 | 23.03 | 34.77 |
| 847.5 | 3 | 16-QAM | 1/14 | 16.61 | Н | 6.9 | 0.44 | 23.07 | 34.77 |
| 826.5 | 5 | QPSK | 1/24 | 18.53 | V | 6.8 | 0.44 | 24.89 | 34.77 |
| 836.5 | 5 | QPSK | 1/24 | 18.56 | V | 6.8 | 0.44 | 24.92 | 34.77 |
| 846.5 | 5 | QPSK | 1/24 | 18.51 | V | 6.8 | 0.44 | 24.87 | 34.77 |
| 826.5 | 5 | QPSK | 1/24 | 17.75 | Н | 6.8 | 0.44 | 24.11 | 34.77 |
| 836.5 | 5 | QPSK | 1/24 | 17.68 | Н | 6.8 | 0.44 | 24.04 | 34.77 |
| 846.5 | 5 | QPSK | 1/24 | 17.72 | Н | 6.8 | 0.44 | 24.08 | 34.77 |
| 826.5 | 5 | 16-QAM | 1/24 | 17.47 | V | 6.8 | 0.44 | 23.83 | 34.77 |
| 836.5 | 5 | 16-QAM | 1/24 | 17.44 | V | 6.8 | 0.44 | 23.80 | 34.77 |
| 846.5 | 5 | 16-QAM | 1/24 | 17.39 | V | 6.8 | 0.44 | 23.75 | 34.77 |



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| 826.5 | 5 | 16-QAM | 1/24 | 16.52 | Н | 6.8 | 0.44 | 22.88 | 34.77 |
|-------|----|--------|------|-------|----------|-----|------|-------|-------|
| 836.5 | 5 | 16-QAM | 1/24 | 16.48 | Н | 6.8 | 0.44 | 22.84 | 34.77 |
| 846.5 | 5 | 16-QAM | 1/24 | 16.53 | Н | 6.8 | 0.44 | 22.89 | 34.77 |
| 829 | 10 | QPSK | 1/49 | 18.51 | V | 6.8 | 0.44 | 24.87 | 34.77 |
| 836.5 | 10 | QPSK | 1/49 | 18.55 | V | 6.8 | 0.44 | 24.91 | 34.77 |
| 844 | 10 | QPSK | 1/49 | 18.58 | V | 6.8 | 0.44 | 24.94 | 34.77 |
| 829 | 10 | QPSK | 1/49 | 17.68 | Η | 6.8 | 0.44 | 24.04 | 34.77 |
| 836.5 | 10 | QPSK | 1/49 | 17.65 | Н | 6.8 | 0.44 | 24.01 | 34.77 |
| 844 | 10 | QPSK | 1/49 | 17.69 | Н | 6.8 | 0.44 | 24.05 | 34.77 |
| 829 | 10 | 16-QAM | 1/49 | 17.48 | V | 6.8 | 0.44 | 23.84 | 34.77 |
| 836.5 | 10 | 16-QAM | 1/49 | 17.45 | V | 6.8 | 0.44 | 23.81 | 34.77 |
| 844 | 10 | 16-QAM | 1/49 | 17.46 | V | 6.8 | 0.44 | 23.82 | 34.77 |
| 829 | 10 | 16-QAM | 1/49 | 16.68 | Н | 6.8 | 0.44 | 23.04 | 34.77 |
| 836.5 | 10 | 16-QAM | 1/49 | 16.72 | Н | 6.8 | 0.44 | 23.08 | 34.77 |
| 844 | 10 | 16-QAM | 1/49 | 16.65 | Н | 6.8 | 0.44 | 23.01 | 34.77 |



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ERP for LTE Band 7 (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 | 16.82 | V | 8.93 | 0.83 | 24.92 | 30 |
| 2535 | 5 | QPSK | 1/0 | 16.78 | V | 8.93 | 0.83 | 24.88 | 30 |
| 2567.5 | 5 | QPSK | 1/24 | 16.79 | V | 8.93 | 0.83 | 24.89 | 30 |
| 2502.5 | 5 | QPSK | 1/0 | 15.72 | Н | 8.93 | 0.83 | 23.82 | 30 |
| 2535 | 5 | QPSK | 1/0 | 17.76 | Н | 8.93 | 0.83 | 25.86 | 30 |
| 2567.5 | 5 | QPSK | 1/24 | 17.75 | Н | 8.93 | 0.83 | 25.85 | 30 |
| 2502.5 | 5 | 16-QAM | 1/0 | 15.69 | V | 8.93 | 0.83 | 23.79 | 30 |
| 2535 | 5 | 16-QAM | 1/0 | 15.72 | V | 8.93 | 0.83 | 23.82 | 30 |
| 2567.5 | 5 | 16-QAM | 1/24 | 15.68 | V | 8.93 | 0.83 | 23.78 | 30 |
| 2502.5 | 5 | 16-QAM | 1/0 | 14.85 | Н | 8.93 | 0.83 | 22.95 | 30 |
| 2535 | 5 | 16-QAM | 1/0 | 14.81 | Н | 8.93 | 0.83 | 22.91 | 30 |
| 2567.5 | 5 | 16-QAM | 1/24 | 14.88 | Н | 8.93 | 0.83 | 22.98 | 30 |
| 2505 | 10 | QPSK | 1/0 | 16.63 | V | 8.93 | 0.83 | 24.73 | 30 |
| 2535 | 10 | QPSK | 1/49 | 16.58 | V | 8.93 | 0.83 | 24.68 | 30 |
| 2565 | 10 | QPSK | 1/0 | 16.59 | V | 8.93 | 0.83 | 24.69 | 30 |
| 2505 | 10 | QPSK | 1/0 | 15.75 | Н | 8.93 | 0.83 | 23.85 | 30 |
| 2535 | 10 | QPSK | 1/49 | 15.73 | Н | 8.93 | 0.83 | 23.83 | 30 |
| 2565 | 10 | QPSK | 1/0 | 15.69 | Н | 8.93 | 0.83 | 23.79 | 30 |
| 2505 | 10 | 16-QAM | 1/0 | 15.58 | V | 8.93 | 0.83 | 23.68 | 30 |
| 2535 | 10 | 16-QAM | 1/49 | 15.53 | V | 8.93 | 0.83 | 23.63 | 30 |
| 2565 | 10 | 16-QAM | 1/0 | 15.55 | V | 8.93 | 0.83 | 23.65 | 30 |
| 2505 | 10 | 16-QAM | 1/0 | 14.69 | Н | 8.93 | 0.83 | 22.79 | 30 |
| 2535 | 10 | 16-QAM | 1/49 | 14.63 | Н | 8.93 | 0.83 | 22.73 | 30 |
| 2565 | 10 | 16-QAM | 1/0 | 14.67 | Н | 8.93 | 0.83 | 22.77 | 30 |
| 2507.5 | 15 | QPSK | 1/0 | 16.36 | V | 8.93 | 0.83 | 24.46 | 30 |
| 2535 | 15 | QPSK | 1/74 | 16.42 | V | 8.93 | 0.83 | 24.52 | 30 |
| 2562.5 | 15 | QPSK | 1/0 | 16.39 | V | 8.93 | 0.83 | 24.49 | 30 |
| 2507.5 | 15 | QPSK | 1/0 | 15.52 | Н | 8.93 | 0.83 | 23.62 | 30 |
| 2535 | 15 | QPSK | 1/74 | 15.56 | Н | 8.93 | 0.83 | 23.66 | 30 |
| 2562.5 | 15 | QPSK | 1/0 | 15.51 | Н | 8.93 | 0.83 | 23.61 | 30 |
| 2507.5 | 15 | 16-QAM | 1/0 | 15.28 | V | 8.93 | 0.83 | 23.38 | 30 |
| 2535 | 15 | 16-QAM | 1/74 | 15.31 | V | 8.93 | 0.83 | 23.41 | 30 |
| 2562.5 | 15 | 16-QAM | 1/0 | 15.33 | V | 8.93 | 0.83 | 23.43 | 30 |



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| 2507.5 | 15 | 16-QAM | 1/0 | 14.68 | Н | 8.93 | 0.83 | 22.78 | 30 |
|--------|----|--------|------|-------|---|------|------|-------|----|
| 2535 | 15 | 16-QAM | 1/74 | 14.63 | Н | 8.93 | 0.83 | 22.73 | 30 |
| 2562.5 | 15 | 16-QAM | 1/0 | 14.66 | Н | 8.93 | 0.83 | 22.76 | 30 |
| 2510 | 20 | QPSK | 1/99 | 16.22 | V | 8.93 | 0.83 | 24.32 | 30 |
| 2535 | 20 | QPSK | 1/99 | 16.18 | V | 8.93 | 0.83 | 24.28 | 30 |
| 2560 | 20 | QPSK | 1/0 | 16.25 | V | 8.93 | 0.83 | 24.35 | 30 |
| 2510 | 20 | QPSK | 1/99 | 15.38 | Н | 8.93 | 0.83 | 23.48 | 30 |
| 2535 | 20 | QPSK | 1/99 | 15.36 | Н | 8.93 | 0.83 | 23.46 | 30 |
| 2560 | 20 | QPSK | 1/0 | 15.35 | Н | 8.93 | 0.83 | 23.45 | 30 |
| 2510 | 20 | 16-QAM | 1/99 | 15.12 | V | 8.93 | 0.83 | 23.22 | 30 |
| 2535 | 20 | 16-QAM | 1/99 | 15.09 | V | 8.93 | 0.83 | 23.19 | 30 |
| 2560 | 20 | 16-QAM | 1/0 | 15.13 | V | 8.93 | 0.83 | 23.23 | 30 |
| 2510 | 20 | 16-QAM | 1/99 | 14.25 | Н | 8.93 | 0.83 | 22.35 | 30 |
| 2535 | 20 | 16-QAM | 1/99 | 14.31 | Н | 8.93 | 0.83 | 22.41 | 30 |
| 2560 | 20 | 16-QAM | 1/0 | 14.28 | Н | 8.93 | 0.83 | 22.38 | 30 |



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ERP for LTE Band 17 (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 | 19.05 | V | 6.8 | 0.42 | 25.43 | 34.77 |
| 710 | 5 | QPSK | 1/0 | 19.02 | ٧ | 6.8 | 0.42 | 25.40 | 34.77 |
| 713.5 | 5 | QPSK | 1/0 | 18.96 | ٧ | 6.8 | 0.42 | 25.34 | 34.77 |
| 706.5 | 5 | QPSK | 1/0 | 18.17 | Н | 6.8 | 0.42 | 24.55 | 34.77 |
| 710 | 5 | QPSK | 1/0 | 18.12 | Н | 6.8 | 0.42 | 24.50 | 34.77 |
| 713.5 | 5 | QPSK | 1/0 | 18.16 | Н | 6.8 | 0.42 | 24.54 | 34.77 |
| 706.5 | 5 | 16-QAM | 1/0 | 17.95 | V | 6.8 | 0.42 | 24.33 | 34.77 |
| 710 | 5 | 16-QAM | 1/0 | 17.98 | V | 6.8 | 0.42 | 24.36 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/0 | 17.92 | V | 6.8 | 0.42 | 24.30 | 34.77 |
| 706.5 | 5 | 16-QAM | 1/0 | 17.13 | Н | 6.8 | 0.42 | 23.51 | 34.77 |
| 710 | 5 | 16-QAM | 1/0 | 17.08 | Н | 6.8 | 0.42 | 23.46 | 34.77 |
| 713.5 | 5 | 16-QAM | 1/0 | 17.11 | Н | 6.8 | 0.42 | 23.49 | 34.77 |
| 709 | 10 | QPSK | 1/0 | 18.86 | V | 6.8 | 0.42 | 25.24 | 34.77 |
| 710 | 10 | QPSK | 1/0 | 18.95 | V | 6.8 | 0.42 | 25.33 | 34.77 |
| 711 | 10 | QPSK | 1/0 | 18.89 | V | 6.8 | 0.42 | 25.27 | 34.77 |
| 709 | 10 | QPSK | 1/0 | 18.12 | Н | 6.8 | 0.42 | 24.50 | 34.77 |
| 710 | 10 | QPSK | 1/0 | 18.07 | Н | 6.8 | 0.42 | 24.45 | 34.77 |
| 711 | 10 | QPSK | 1/0 | 18.13 | Н | 6.8 | 0.42 | 24.51 | 34.77 |
| 709 | 10 | 16-QAM | 1/0 | 17.75 | V | 6.8 | 0.42 | 24.13 | 34.77 |
| 710 | 10 | 16-QAM | 1/0 | 17.79 | V | 6.8 | 0.42 | 24.17 | 34.77 |
| 711 | 10 | 16-QAM | 1/0 | 17.82 | V | 6.8 | 0.42 | 24.20 | 34.77 |
| 709 | 10 | 16-QAM | 1/0 | 16.93 | Н | 6.8 | 0.42 | 23.31 | 34.77 |
| 710 | 10 | 16-QAM | 1/0 | 16.89 | Н | 6.8 | 0.42 | 23.27 | 34.77 |
| 711 | 10 | 16-QAM | 1/0 | 16.92 | Н | 6.8 | 0.42 | 23.30 | 34.77 |

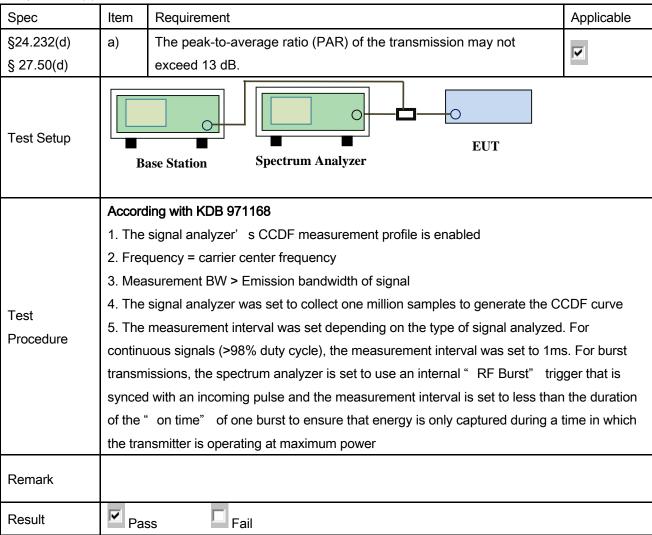


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6.3 Peak-Average Ratio

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):



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



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LTE Band 2 (part 24E)

| DIA//AIII-) | W(MHz) Frequency (MHz) | | | Conducted P | ower (dBm) | Peak-Average | |
|-------------|------------------------|--------|-------------|-------------|------------|--------------|------|
| BVV(MHZ) | | | Modulation | Peak | Average | Ratio (PAR) | |
| 4.4 | 1.4 1880 | DD 4/0 | QPSK | 25.63 | 23.67 | 1.96 | |
| 1.4 | | RB 1/0 | 16QAM | 25.68 | 22.37 | 3.31 | |
| | 4000 | DD 4/0 | QPSK | 25.69 | 23.52 | 2.17 | |
| 3 | 1880 | RB 1/0 | 16QAM | 25.65 | 22.31 | 3.34 | |
| | 5 1880 | 4000 | 4000 DD 4/0 | QPSK | 25.67 | 23.51 | 2.16 |
| 5 | | RB 1/0 | 16QAM | 25.61 | 22.89 | 2.72 | |
| 40 | 4000 | DD 4/0 | QPSK | 25.83 | 23.27 | 2.56 | |
| 10 | 1880 | RB 1/0 | 16QAM | 25.46 | 22.89 | 2.57 | |
| 4.5 | 4000 | DD 4/0 | QPSK | 25.43 | 23.58 | 1.85 | |
| 15 | 15 1880 | RB 1/0 | 16QAM | 25.42 | 22.3 | 3.12 | |
| 20 | 4000 | DD 4/0 | QPSK | 25.56 | 23.56 | 2.00 | |
| 20 | 1880 | RB 1/0 | 16QAM | 25.53 | 22.39 | 3.14 | |

LTE Band 4 (part 27)

| D)4/(4411-) | | | Madulation | Conducted P | Peak-Average | |
|-------------|-----------------|--------|------------|-------------|--------------|-------------|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Ratio (PAR) |
| 4.4 | 1.4 1732.5 | DD 4/0 | QPSK | 25.46 | 22.85 | 2.61 |
| 1.4 | | RB 1/0 | 16QAM | 25.48 | 22.58 | 2.90 |
| 3 | 1732.5 | DD 4/0 | QPSK | 25.35 | 22.79 | 2.56 |
| 3 | | RB 1/0 | 16QAM | 25.62 | 22.52 | 3.10 |
| E | 5 1732.5 | RB 1/0 | QPSK | 25.63 | 22.73 | 2.90 |
| 5 | | | 16QAM | 25.61 | 22.97 | 2.64 |
| 40 | 4722.5 | DD 4/0 | QPSK | 25.34 | 22.34 | 3.00 |
| 10 | 1732.5 | RB 1/0 | 16QAM | 25.11 | 22.07 | 3.04 |
| 45 | 4722.5 | DD 4/0 | QPSK | 25.13 | 22.73 | 2.40 |
| 15 | 15 1732.5 | RB 1/0 | 16QAM | 25.32 | 23.08 | 2.24 |
| 20 | 4722.5 | DB 1/0 | QPSK | 25.16 | 22.83 | 2.33 |
| 20 | 1732.5 | RB 1/0 | 16QAM | 25.26 | 22.68 | 2.58 |



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LTE Band 5 (part 27)

| D\A//AALI=\ | DIA//Add=) Frequency (Add=) | | Modulation | Conducted P | Peak-Average | | |
|-------------|-----------------------------|---------|--------------|-------------|--------------|-------------|------|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Ratio (PAR) | |
| 1.4 | 836.5 | DB 1/0 | QPSK | 25.26 | 23.37 | 1.89 | |
| 1.4 | 030.5 | RB 1/0 | 16QAM | 25.23 | 22.45 | 2.78 | |
| 2 | 3 836.5 | 026.5 | DD 4/0 | QPSK | 25.31 | 23.4 | 1.91 |
| 3 | | RB 1/0 | 16QAM | 25.24 | 22.27 | 2.97 | |
| 5 | 836.5 | 836.5 R | RB 1/0 | QPSK | 25.13 | 23.39 | 1.74 |
| 5 | | | 030.3 RB 1/0 | 16QAM | 25.19 | 22.87 | 2.32 |
| 10 836.5 | 0 836.5 RB 1/0 | QPSK | 25.23 | 23.49 | 1.74 | | |
| | | 16QAM | 25.37 | 22.98 | 2.39 | | |

LTE Band 7 (part 27)

| D\A//A4LI=\ | PM/MHz) Fraguancy (MHz) | | Madulation | Conducted P | ower (dBm) | Peak-Average | | |
|-------------|-------------------------|-------------|------------|---------------|------------|--------------|-------|-------|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Ratio (PAR) | | |
| 5 | 2535 | RB 1/0 | QPSK | 25.34 | 22.45 | 2.89 | | |
| 5 | 2555 | KD 1/0 | 16QAM | 25.46 | 21.64 | 3.82 | | |
| 40 | 10 2535 | 35 RB 1/0 | QPSK | 25.48 | 22.11 | 3.37 | | |
| 10 | | | 16QAM | 25.42 | 20.71 | 4.71 | | |
| 45 | 15 2535 | DD 4/0 | QPSK | 25.37 | 22.14 | 3.23 | | |
| 15 | | 2535 | 2555 | 10 2000 RD I/ | RB 1/0 | 16QAM | 25.42 | 20.75 |
| 00 0505 | 2525 | 2535 RB 1/0 | QPSK | 25.39 | 22.15 | 3.24 | | |
| 20 | 20 2535 | | 16QAM | 25.33 | 20.83 | 4.50 | | |

LTE Band 17 (part 27)

| D\A//AALI=\ | PM/MUT) Frequency (MUT) | | Madulation | Conducted Power (dBm) | | Peak-Average |
|-------------|-------------------------|------------|------------|-----------------------|---------|--------------|
| BW(MHz) | Frequency (MHz) | Mode | Modulation | Peak | Average | Ratio (PAR) |
| 5 | 710 | 710 RB 1/0 | QPSK | 25.35 | 23.85 | 1.50 |
| 5 | | | 16QAM | 25.32 | 23.25 | 2.07 |
| 10 | | QPSK | 25.36 | 23.56 | 1.80 | |
| 10 710 | RB 1/0 | 16QAM | 25.42 | 22.52 | 2.90 | |



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6.4 Modulation Characteristic

According to FCC § 2.1047(d), Part 22H&24E& Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.



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|-------------|-----------------|
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6.5 Occupied Bandwidth

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

| Spec | Item | Requirement | Applicable | |
|------------|-------------|---|-------------|--|
| §2.1049, | a) | 99% Occupied Bandwidth(kHz) | 7 | |
| §22.917, | | | | |
| §22.905 | b) | 26 dB Bandwidth(kHz) | | |
| §24.238 | | | | |
| §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 | rss Fail | | |

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



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LTE Band 2 (Part 24E)

| | Danu Z (Par | Frequency | | 99% Occupied | 26 dB Bandwidth |
|---------|-------------|-----------|------------|-----------------|-----------------|
| BW(MHz) | Channel | (MHz) | Modulation | Bandwidth (MHz) | (MHz) |
| | | | 16QAM | 1.1060 | 1.281 |
| 1.4 | 18607 | 1850.7 | QPSK | 1.1025 | 1.285 |
| | | | 16QAM | 1.0954 | 1.269 |
| 1.4 | 18900 | 1880 | QPSK | 1.0902 | 1.261 |
| | 10.100 | 4000.0 | 16QAM | 1.1068 | 1.326 |
| 1.4 | 19193 | 1909.3 | QPSK | 1.1072 | 1.309 |
| | 40045 | 4054.5 | 16QAM | 2.7470 | 3.095 |
| 3 | 18615 | 1851.5 | QPSK | 2.7583 | 3.100 |
| | 40000 | 4000 | 16QAM | 2.7420 | 3.094 |
| 3 | 18900 | 1880 | QPSK | 2.7456 | 3.088 |
| | 40405 | 4000 5 | 16QAM | 2.7466 | 3.057 |
| 3 | 19185 | 1908.5 | QPSK | 2.7377 | 3.054 |
| | 40005 | 4050.5 | 16QAM | 4.5258 | 5.016 |
| 5 | 18625 | 1852.5 | QPSK | 4.5236 | 5.099 |
| | 40000 | 4000 | 16QAM | 4.5147 | 5.097 |
| 5 | 18900 | 1880 | QPSK | 4.5245 | 5.022 |
| | 40475 | 4007 F | 16QAM | 4.5321 | 5.052 |
| 5 | 19175 | 1907.5 | QPSK | 4.5083 | 5.053 |
| 40 | 18650 | 4055 | 16QAM | 9.1151 | 11.064 |
| 10 | 18050 | 1855 | QPSK | 9.0986 | 10.080 |
| 40 | 40000 | 4000 | 16QAM | 9.0724 | 10.088 |
| 10 | 18900 | 1880 | QPSK | 9.0641 | 10.101 |
| 40 | 40450 | 1905 | 16QAM | 9.0876 | 10.204 |
| 10 | 19150 | 1905 | QPSK | 9.0903 | 10.072 |
| 45 | 10675 | 10E7 E | 16QAM | 13.4928 | 15.735 |
| 15 | 18675 | 1857.5 | QPSK | 13.5566 | 15.155 |
| 15 | 18900 | 1880 | 16QAM | 13.4386 | 14.778 |
| 10 | 10900 | 1000 | QPSK | 13.5021 | 14.926 |
| 15 | | 16QAM | 13.5860 | 19.960 | |
| 15 | 19125 | 1902.5 | QPSK | 13.5633 | 18.519 |



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| 20 18700 | 19700 | 40700 | 16QAM | 17.9148 | 19.257 |
|----------|------------|-------|---------|---------|--------|
| | 1860 | QPSK | 17.9061 | 19.353 | |
| 20 | 40000 | 1000 | 16QAM | 17.8661 | 19.334 |
| 20 18900 | 1880 | QPSK | 17.9007 | 19.222 | |
| 20 40400 | | 1000 | 16QAM | 17.9914 | 23.683 |
| 20 | 19100 1900 | 1900 | QPSK | 18.0427 | 21.350 |

LTE Band 4 (Part 27)

| BW(MHz) | Channel | Frequency (MHz) | Modulation | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) | |
|---------|---------|--------------------|------------|------------------------------|--------------------------|--------|
| | | (1411 12) | 16QAM | 1.0971 | 1.274 | |
| 1.4 | 19957 | 1710.7 | QPSK | 1.1003 | 1.279 | |
| | | | 16QAM | 1.1282 | 1.988 | |
| 1.4 | 20175 | 1732.5 | QPSK | 1.1196 | 1.937 | |
| | | _ | 16QAM | 1.1113 | 1.272 | |
| 1.4 | 20393 | 1754.3 | QPSK | 1.1009 | 1.283 | |
| _ | | | 16QAM | 2.7401 | 3.063 | |
| 3 | 19965 | 1711.5 | QPSK | 2.7375 | 3.102 | |
| | 00.175 | 4700.5 | 16QAM | 2.7975 | 5.889 | |
| 3 | 20175 | 1732.5 | QPSK | 2.7915 | 4.252 | |
| | | 4750.5 | 16QAM | 2.7359 | 3.059 | |
| 3 | 20385 | 1753.5 | QPSK | 2.7328 | 3.061 | |
| | 10075 | 10075 | 4740 5 | 16QAM | 4.5450 | 5.100 |
| 5 | 19975 | 975 1712.5 | QPSK | 4.5259 | 5.036 | |
| _ | 20175 | 4700 5 | 16QAM | 4.5785 | 7.676 | |
| 5 | | 20175 | 201/5 | 1732.5 | QPSK | 4.5661 |
| E | 20275 | 4750 F | 16QAM | 4.5226 | 4.941 | |
| 5 | 20375 | 1752.5 | QPSK | 4.5138 | 5.038 | |
| 10 | 20000 | 1715 | 16QAM | 9.0480 | 10.132 | |
| 10 2000 | 20000 | 1715 | QPSK | 9.0880 | 10.140 | |
| 10 | 20175 | 1732.5 | 16QAM | 9.1242 | 11.305 | |
| 10 | 20173 | 1732.5 | QPSK | 9.0890 | 11.260 | |
| 10 | 20250 | 1750 | 16QAM | 9.0633 | 10.005 | |
| 10 | 20330 | 0350 1750 | QPSK | 9.0676 | 10.117 | |



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|-------------|-----------------|
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| 15 20025 | 1717.5 | 16QAM | 13.5001 | 14.859 | |
|----------|----------|--------------|---------|---------|--------|
| 15 | 20025 | 1717.5 | QPSK | 13.5189 | 14.557 |
| 4.5 | 00475 | 4700 5 | 16QAM | 13.5101 | 16.175 |
| 15 | 20175 | 1732.5 | QPSK | 13.5436 | 16.837 |
| 4.5 | | 20325 1747.5 | 16QAM | 13.5069 | 14.748 |
| 15 | 20325 | | QPSK | 13.4950 | 14.855 |
| 20 | 20050 | 050 1720 | 16QAM | 17.8851 | 19.280 |
| 20 | 20 20050 | | QPSK | 17.8809 | 19.292 |
| 20 | 20 201- | 1700 5 | 16QAM | 17.8854 | 19.382 |
| 20 20175 | 1732.5 | QPSK | 17.9128 | 20.466 | |
| 20 | 20200 | 20300 1745 | 16QAM | 17.9366 | 19.576 |
| 20 | 20300 | | QPSK | 17.9187 | 19.671 |

LTE Band 5 (Part 22H)

| BW(MHz) | Channel | Frequency (MHz) | Modulation | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) | |
|---------|---------------|--------------------|------------|---------------------------------|--------------------------|-------|
| 1.4 | 20407 | 824.7 | 16QAM | 1.0968 | 1.271 | |
| 1.4 | 20407 | 024.7 | QPSK | 1.0932 | 1.256 | |
| 1.4 | 20525 | 026 5 | 16QAM | 1.1034 | 1.283 | |
| 1.4 | 20525 | 936.5 | QPSK | 1.0980 | 1.276 | |
| 1.4 | 20643 | 040.2 | 16QAM | 1.0992 | 1.289 | |
| 1.4 | 20043 | 949.3 | QPSK | 1.1000 | 1.289 | |
| 2 | 3 20415 | 92E E | 16QAM | 2.7393 | 3.062 | |
| 3 | | 825.5 | QPSK | 2.7350 | 3.055 | |
| 0 | 20525 | 20525 936.5 | 16QAM | 2.7516 | 3.099 | |
| 3 | 20525 | | QPSK | 2.7424 | 3.088 | |
| 3 | 20635 | 20635 | 847.5 | 16QAM | 2.7681 | 3.095 |
| 3 | | | 847.5 | QPSK | 2.7443 | 3.090 |
| E | 5 20425 826.5 | 16QAM | 4.5257 | 5.044 | | |
| Э | | 826.5 | QPSK | 4.4964 | 5.032 | |
| E | 20525 | 026.5 | 16QAM | 4.5479 | 5.069 | |
| 5 | 20525 | 936.5 | QPSK | 4.5419 | 5.081 | |
| - | 20625 | 0.46 5 | 16QAM | 4.5620 | 5.062 | |
| 5 | 20625 | 846.5 | QPSK | 4.5339 | 5.007 | |



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|-------------|-----------------|
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| 40 00 | 20450 | 20450 829 | 16QAM | 9.0681 | 10.168 |
|----------|-----------|-----------|--------|--------|--------|
| 10 | 10 20450 | | QPSK | 9.1057 | 10.185 |
| 40 | 20525 | 000 5 | 16QAM | 9.0793 | 10.119 |
| 10 20525 | 936.5 | QPSK | 9.0901 | 10.072 | |
| 10 20800 | 044 | 16QAM | 9.0894 | 10.105 | |
| | 20800 844 | QPSK | 9.0895 | 10.028 | |

LTE Band 7 (Part 27) result

| | | Frequency | | 99% Occupied | 26 dB Bandwidth | |
|---------|----------|-----------|------------|-----------------|-----------------|--------|
| BW(MHz) | Channel | (MHz) | Modulation | Bandwidth (MHz) | (MHz) | |
| - | | 0500.5 | 16QAM | 4.5467 | 5.099 | |
| 5 | 20775 | 2502.5 | QPSK | 4.5242 | 4.988 | |
| E | 04400 | 0505 | 16QAM | 4.5235 | 5.152 | |
| 5 | 21100 | 2535 | QPSK | 4.5300 | 5.018 | |
| E | 04.405 | 0567 F | 16QAM | 4.5125 | 5.051 | |
| 5 | 21425 | 2567.5 | QPSK | 4.5069 | 4.978 | |
| 10 | 20800 | 2505 | 16QAM | 9.1254 | 10.492 | |
| 10 | 20000 | 2505 | QPSK | 9.1176 | 11.031 | |
| 40 | 10 01100 | 0505 | 16QAM | 9.1007 | 10.560 | |
| 10 | 21100 | 1100 2535 | QPSK | 9.0869 | 10.374 | |
| 10 | 04400 | 2562.5 | 16QAM | 9.0641 | 10.086 | |
| 10 | 21400 | 2562.5 | QPSK | 9.0854 | 10.089 | |
| 15 | 20825 | 20025 | 2507.5 | 16QAM | 13.5492 | 15.259 |
| 15 | | 2507.5 | QPSK | 13.5810 | 15.054 | |
| 15 | 24400 | 2535 | 16QAM | 13.4983 | 17.942 | |
| 15 | 21100 | 21100 | 2535 | QPSK | 13.4956 | 16.836 |
| 45 | 24.400 | 2562.5 | 16QAM | 13.5094 | 14.823 | |
| 15 | 21400 | 2562.5 | QPSK | 13.5057 | 14.789 | |
| 20 | 20050 | 2510 | 16QAM | 17.9891 | 19.485 | |
| 20 | 20850 | 2510 | QPSK | 17.9782 | 19.432 | |
| 20 | 21100 | 2525 | 16QAM | 17.8546 | 22.705 | |
| 20 | 21100 | 2535 | QPSK | 17.9026 | 19.327 | |
| 20 | 24250 | 2560 | 16QAM | 17.9595 | 19.433 | |
| 20 | 21350 | 2560 | QPSK | 17.9592 | 19.274 | |



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LTE Band 17 (Part 27)

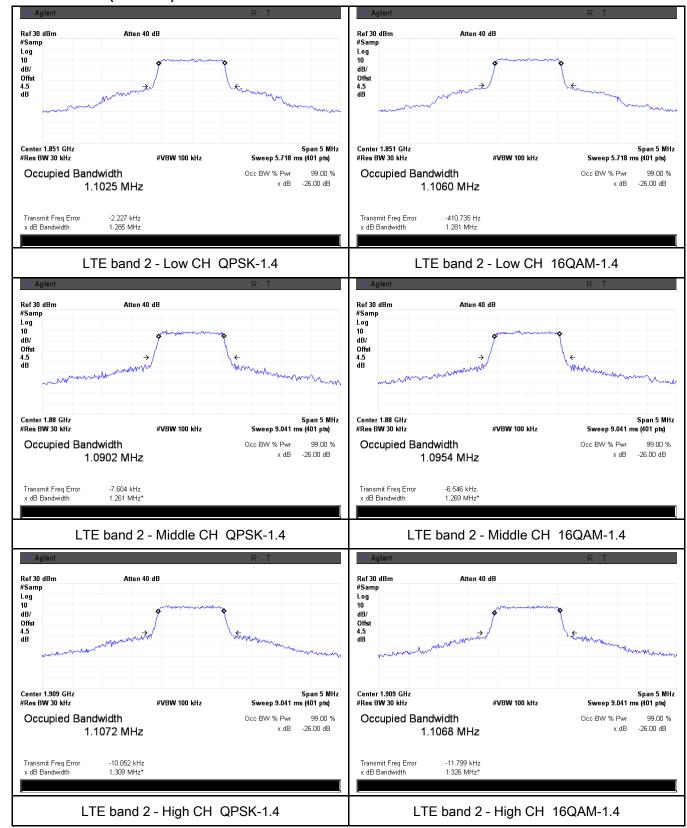
| BW(MHz) | Channel | Frequency (MHz) | Modulation | 99% Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|----------|----------|--------------------|------------|---------------------------------|--------------------------|
| 5 | 22755 | 700.5 | 16QAM | 4.5086 | 5.019 |
| 5 | 23755 | 706.5 | QPSK | 4.5121 | 4.979 |
| E | 22700 | 740 | 16QAM | 4.5242 | 5.030 |
| 5 | 5 23790 | 710 | QPSK | 4.5315 | 5.042 |
| F | 5 23825 | 713.5 | 16QAM | 4.5153 | 5.011 |
| 5 | | | QPSK | 4.5354 | 5.063 |
| 10 | 22700 | 709 | 16QAM | 9.0848 | 10.140 |
| 10 | 23780 | | QPSK | 9.1029 | 10.175 |
| 10 | 40 00700 | 710 | 16QAM | 9.0902 | 10.289 |
| 10 23790 | 23790 | | QPSK | 9.1034 | 10.052 |
| 10 | 22000 | 711 | 16QAM | 9.0785 | 10.103 |
| 10 | 23800 | | QPSK | 9.0660 | 10.083 |



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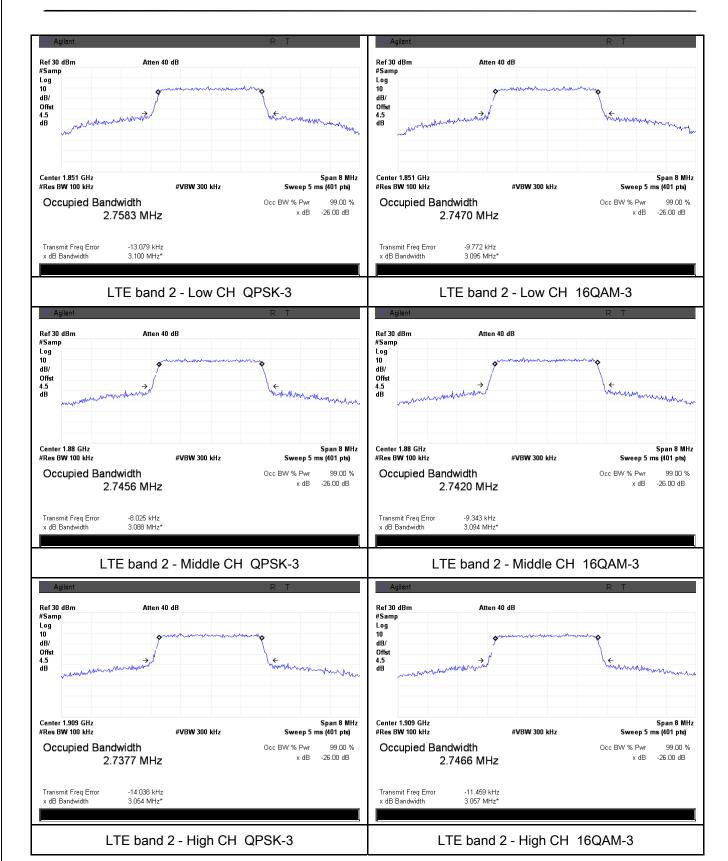
Test Plots

LTE Band 2 (Part 24E)



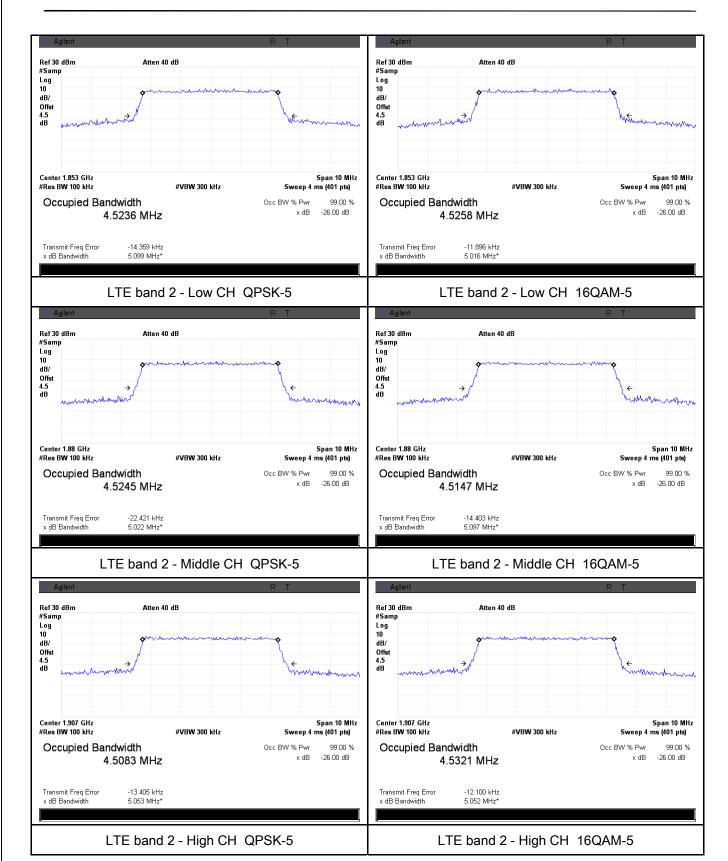


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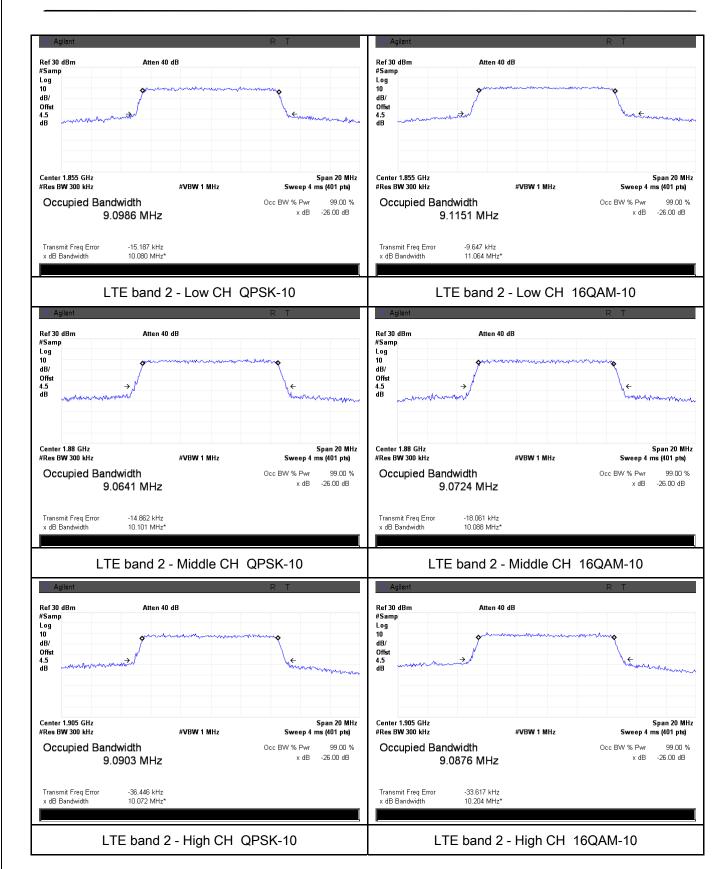


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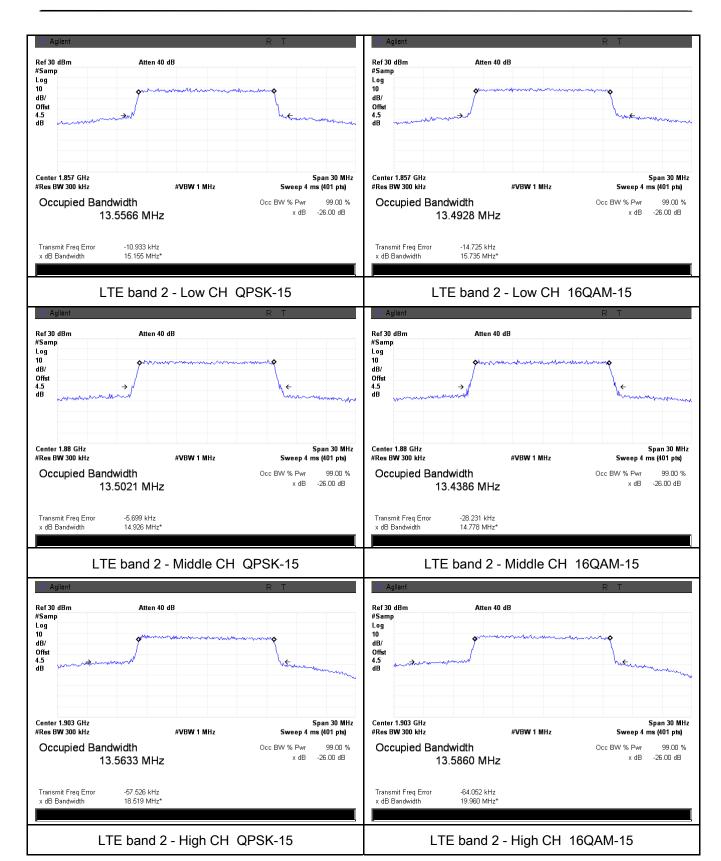


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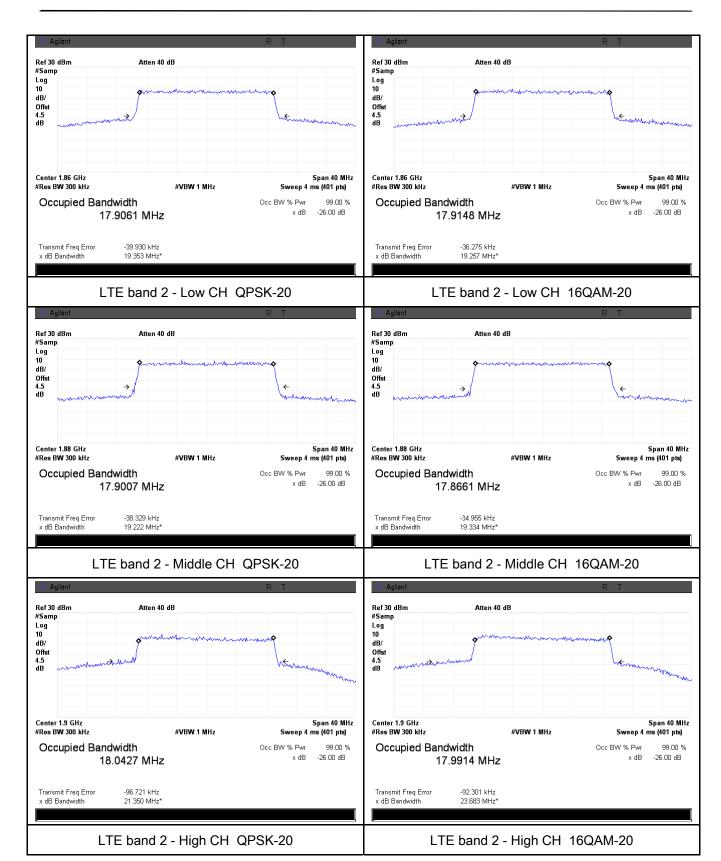


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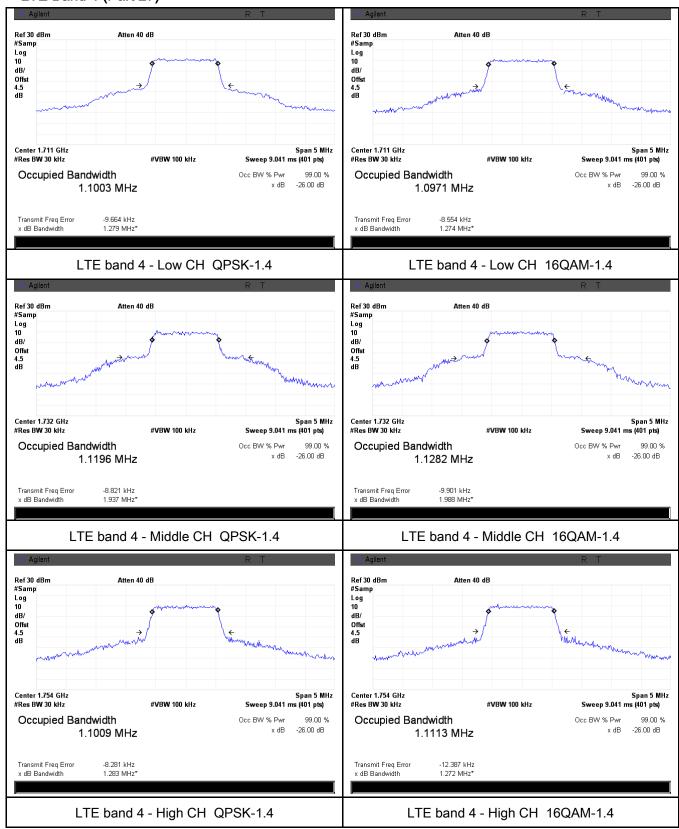
| Test Report | 15070962-FCC-R5 |
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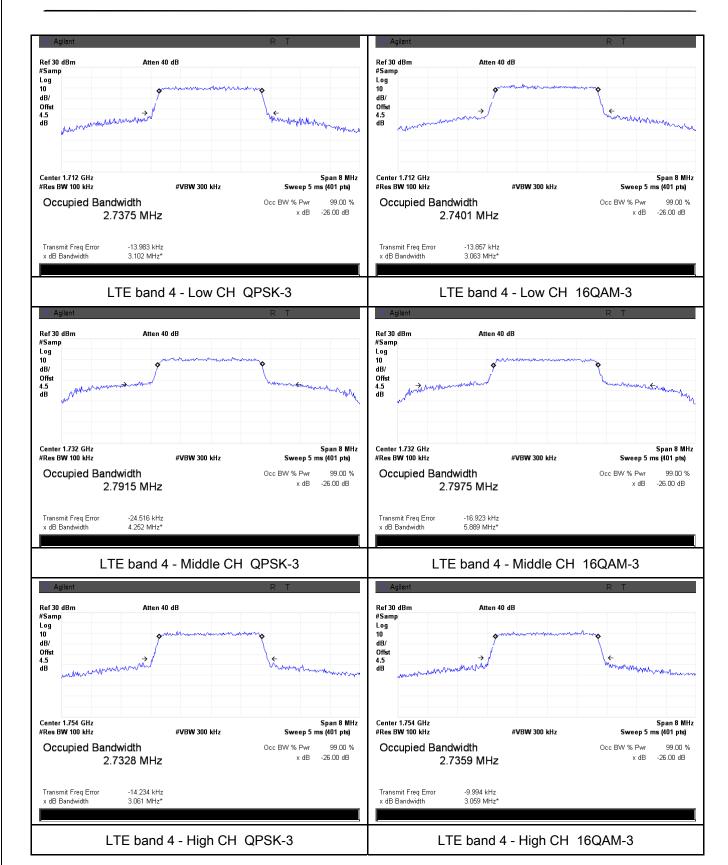
| Test Report | 15070962-FCC-R5 |
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LTE Band 4 (Part 27)



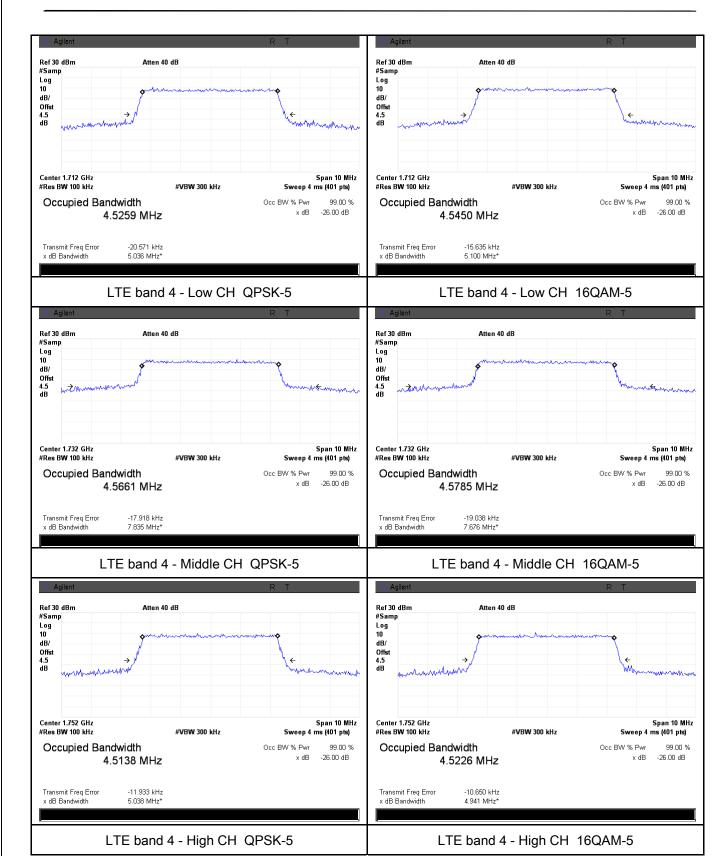


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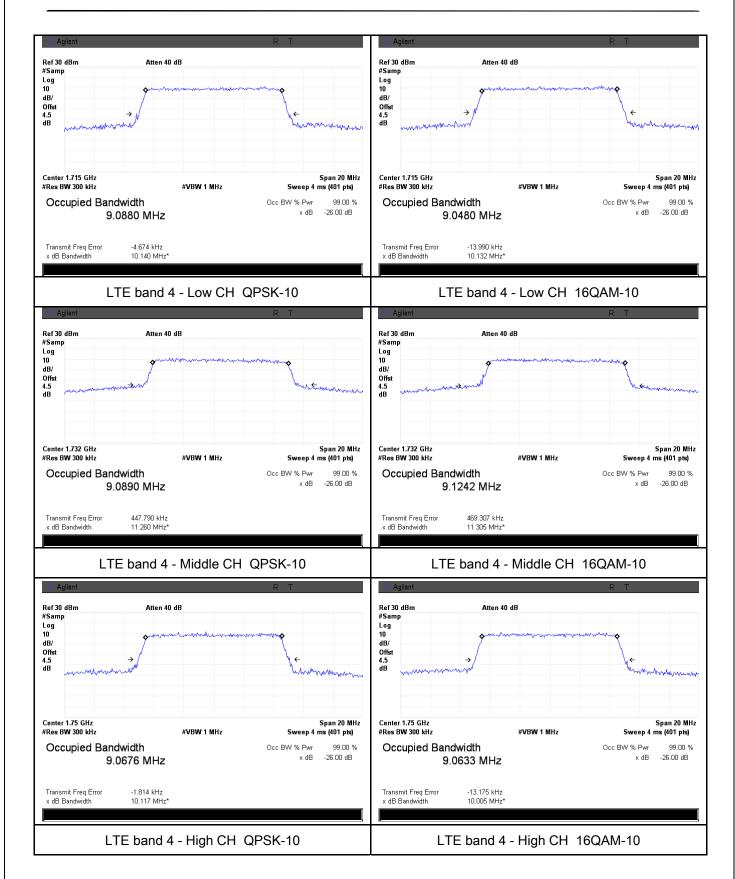


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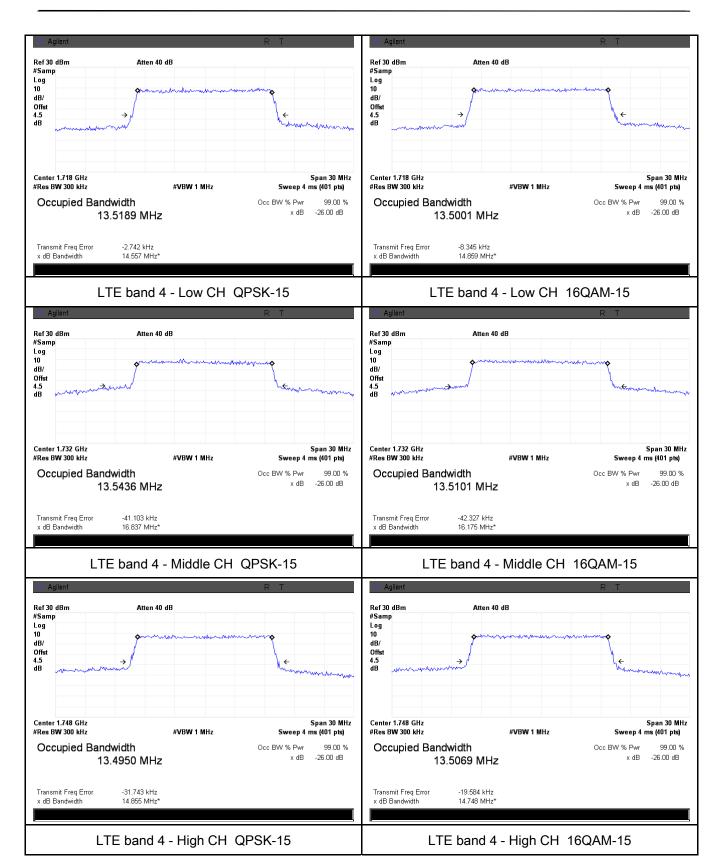


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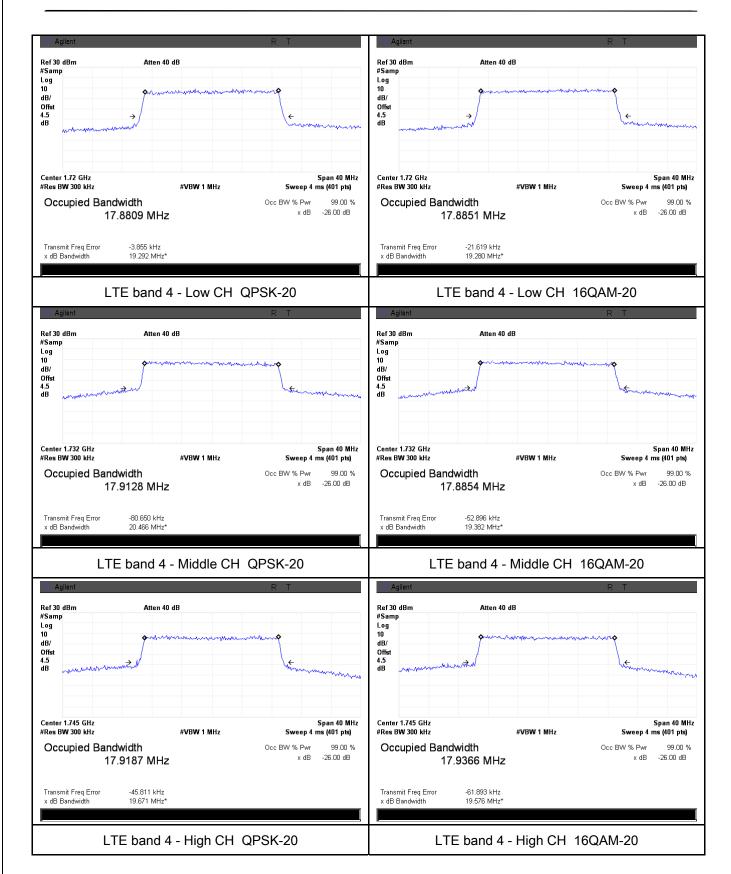


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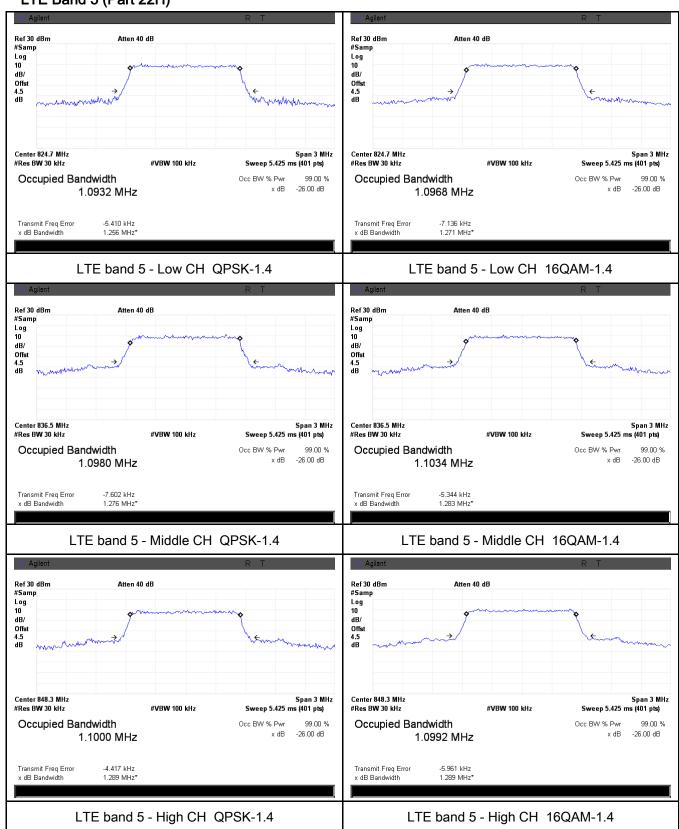
| Test Report | 15070962-FCC-R5 |
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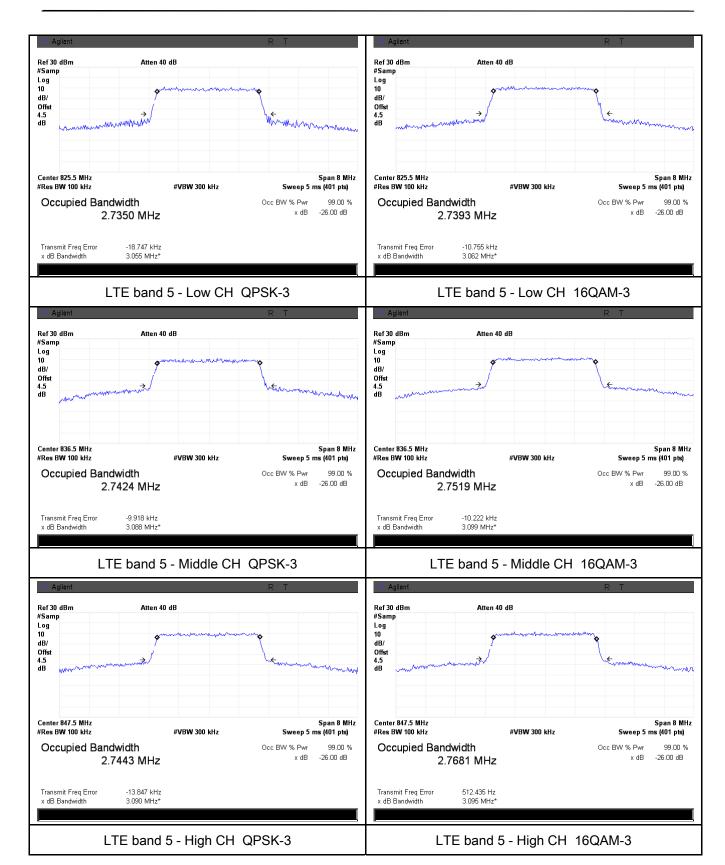
| Test Report | 15070962-FCC-R5 |
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LTE Band 5 (Part 22H)



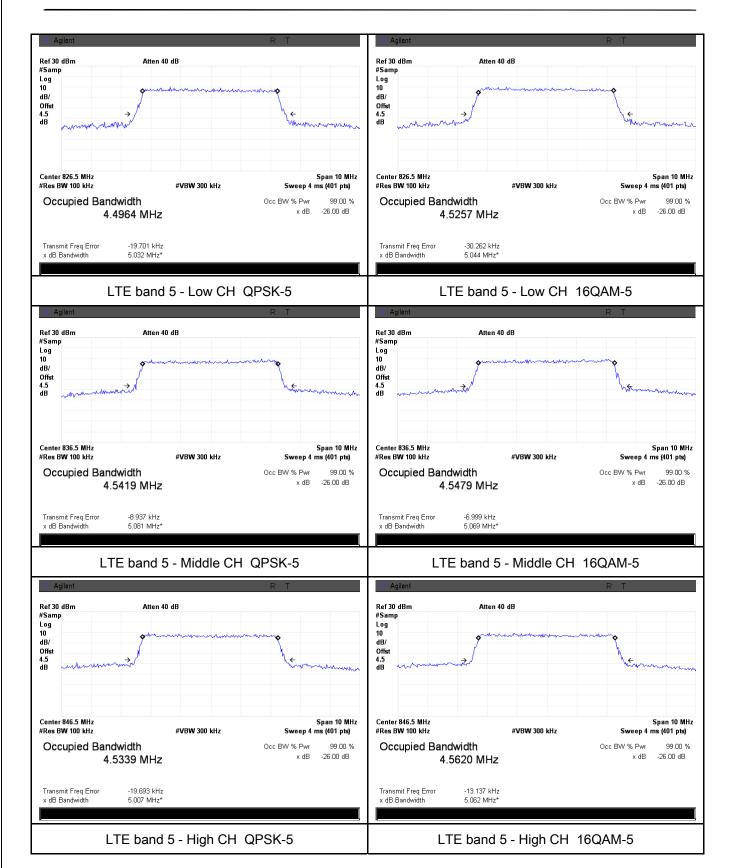


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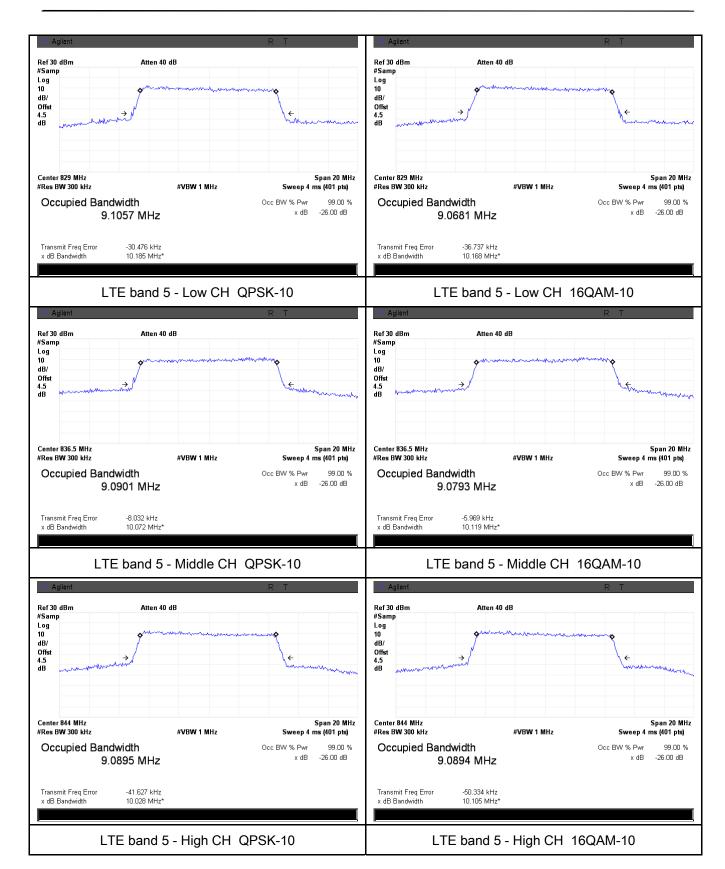


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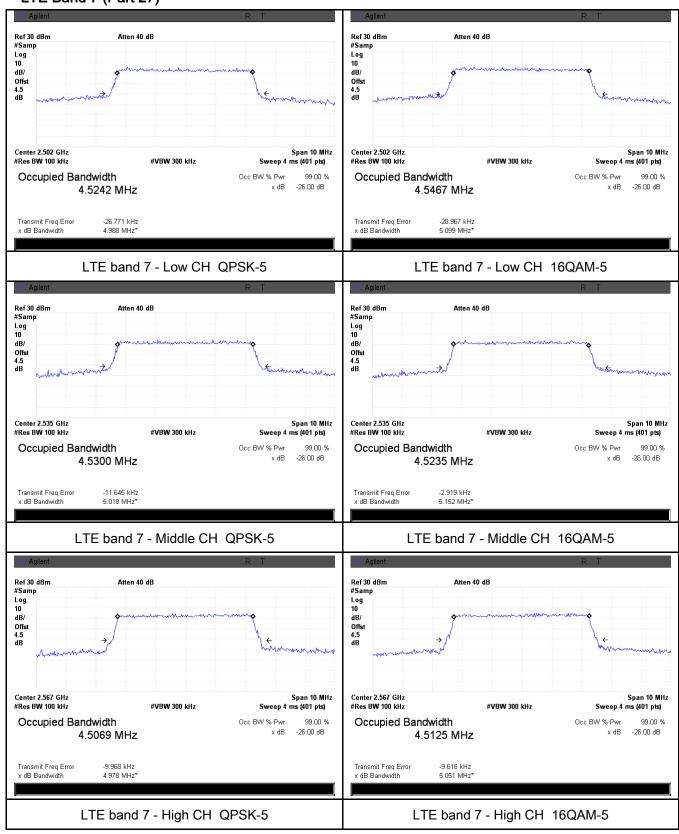
| Test Report | 15070962-FCC-R5 |
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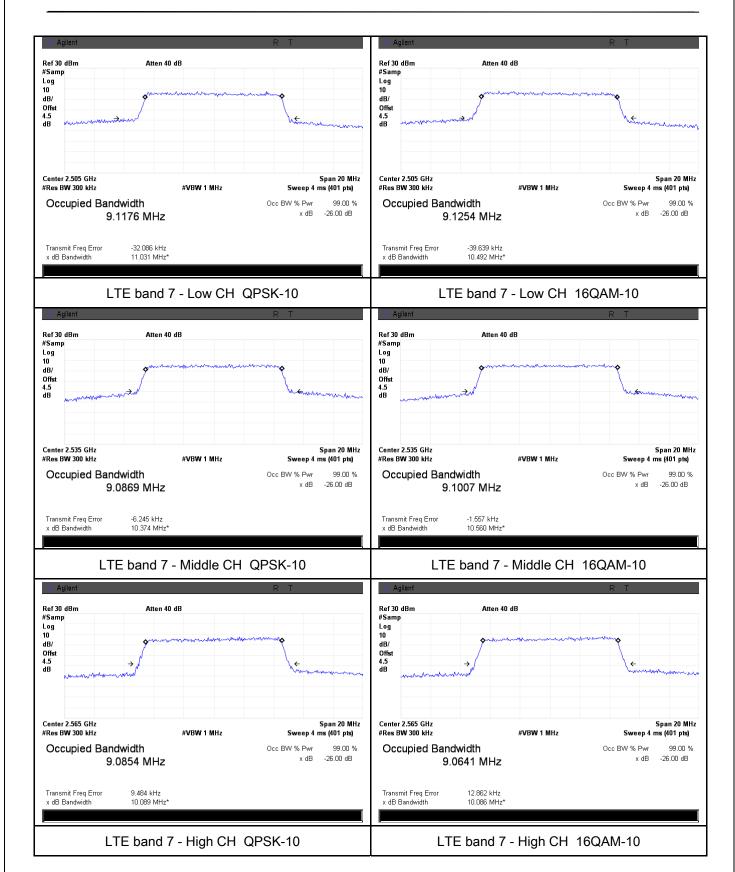
| Test Report | 15070962-FCC-R5 |
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LTE Band 7 (Part 27)



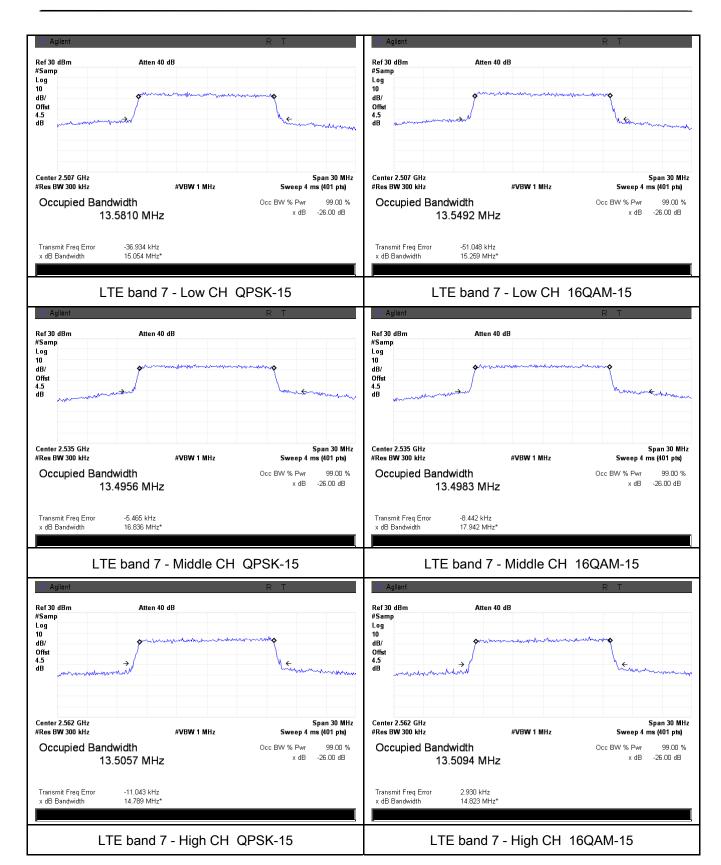


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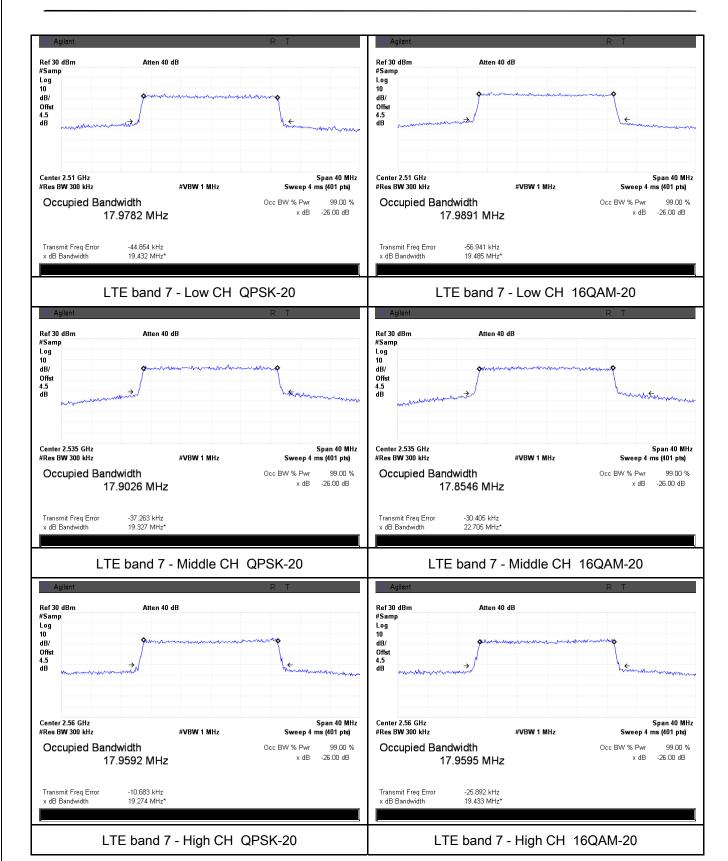


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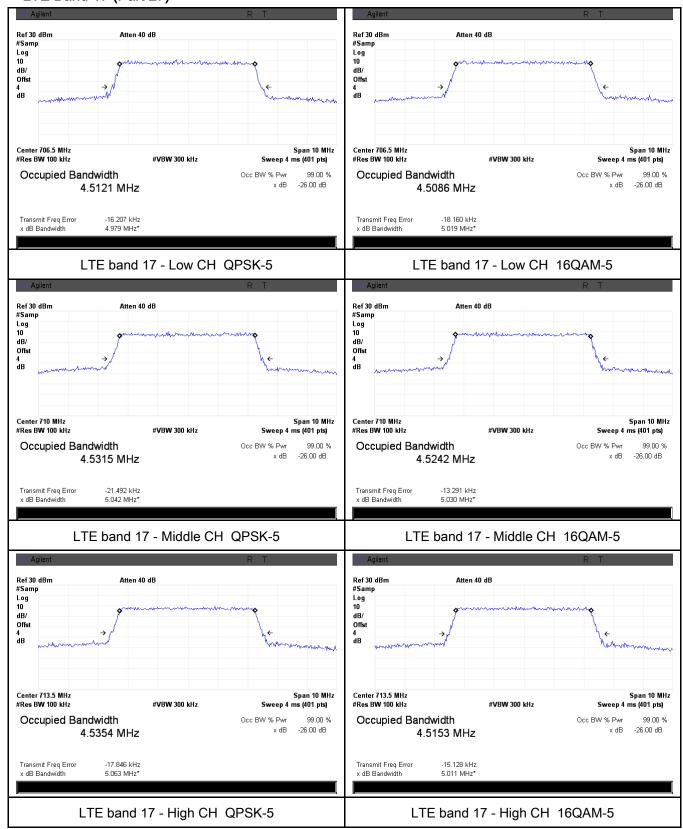
| Test Report | 15070962-FCC-R5 |
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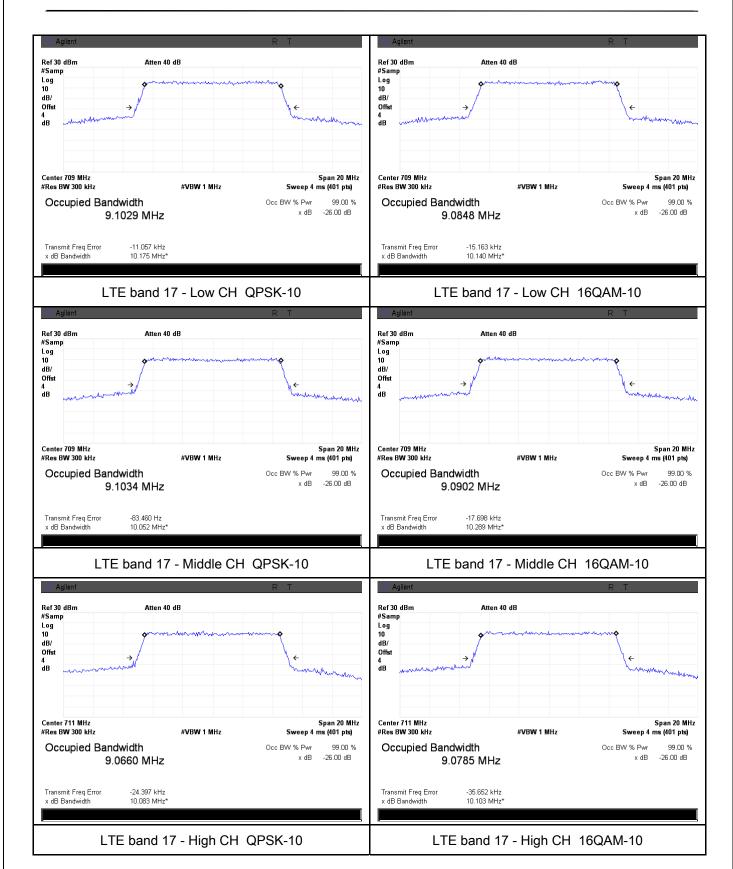
| Test Report | 15070962-FCC-R5 |
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LTE Band 17 (Part 27)





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6.6 Spurious Emissions at Antenna Terminals

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

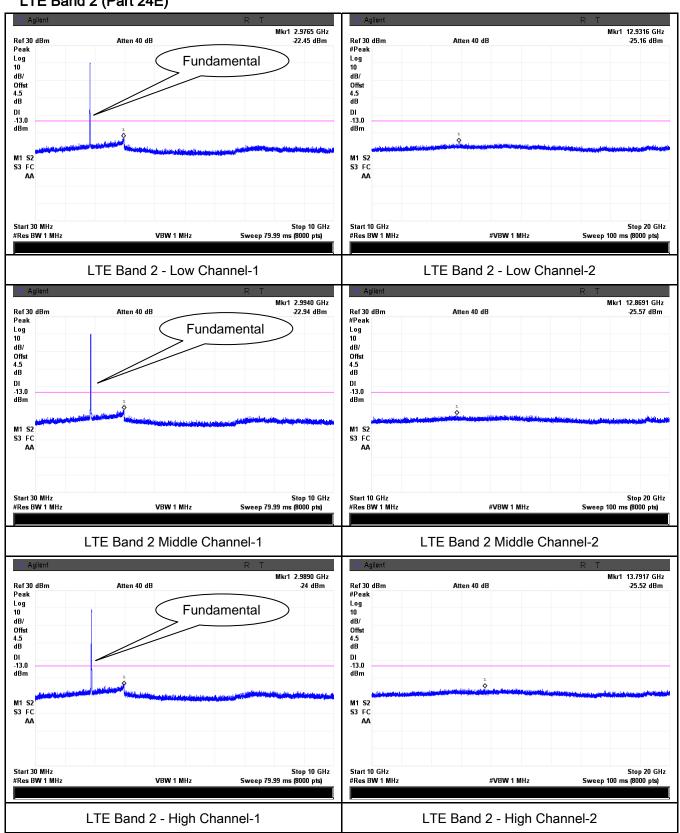
| requirement(s): | Ī., | D : 1 | A 1: 1. |
|-------------------|--|---|------------|
| Spec | Item | Requirement | Applicable |
| §2.1051, | | The power of any emission outside of the authorized | |
| §22.917(a)& | a) | operating frequency ranges must be lower than the | ~ |
| §24.238(a) | " | transmitter power (P) by a factor of at least 43 + 10 log | |
| § 27.53(h) | | (P) dB | |
| Test Setup | ■ B: | EUT Spectrum Analyzer | |
| Test Procedure | The EUT was connected to Spectrum Analyzer and Base Station via power divider. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. | | |
| Remark | | | |
| Result | ☑ Pa | ss Fail | |

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



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|-------------|-----------------|
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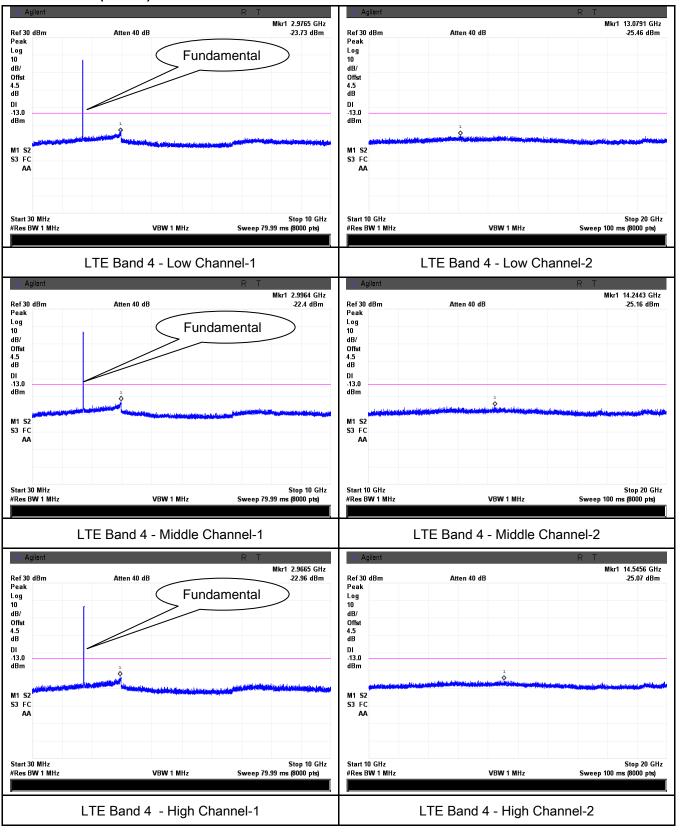
Test Plots 30MHz-5GHz LTE Band 2 (Part 24E)





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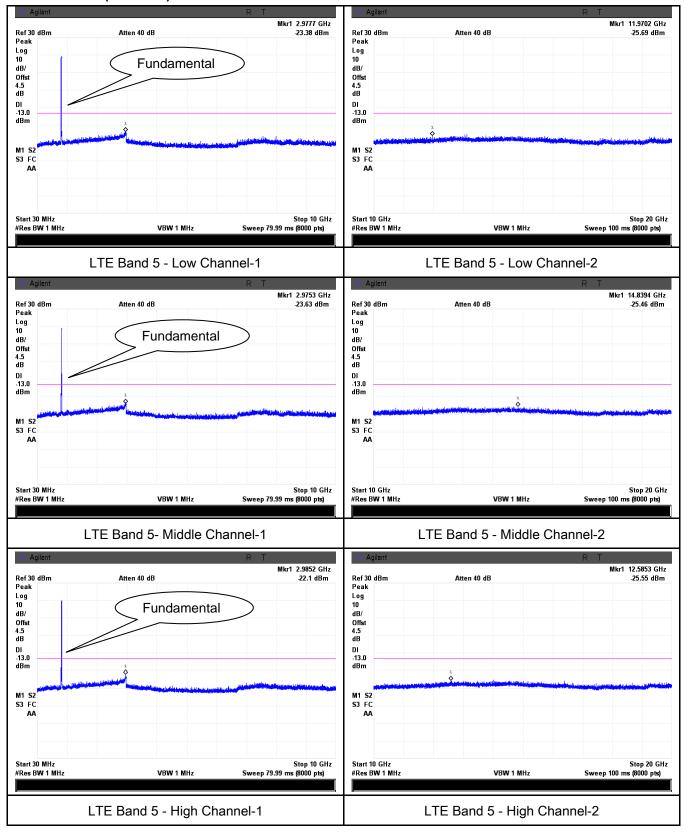
LTE Band 4 (Part27) result





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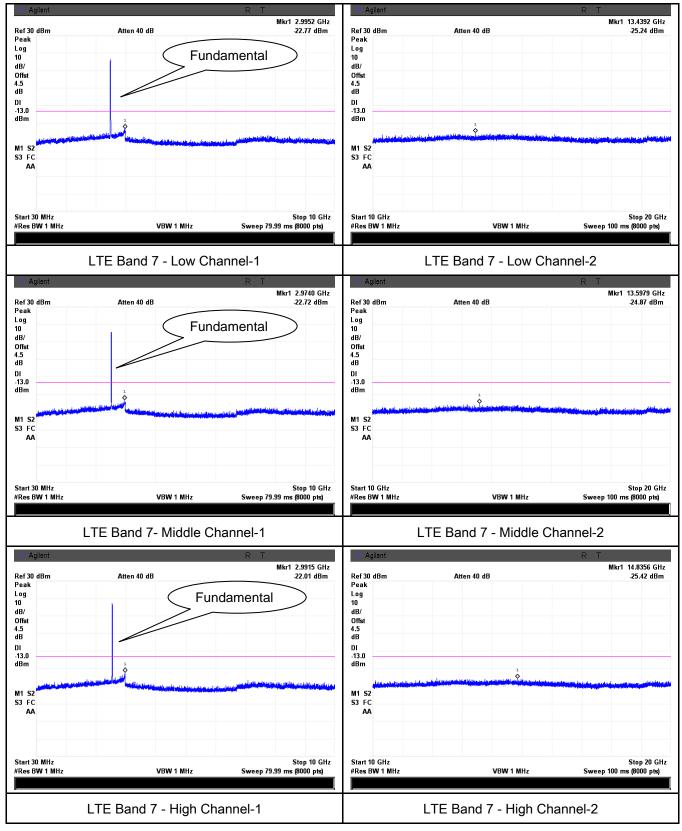
LTE Band 5 (Part 22H)





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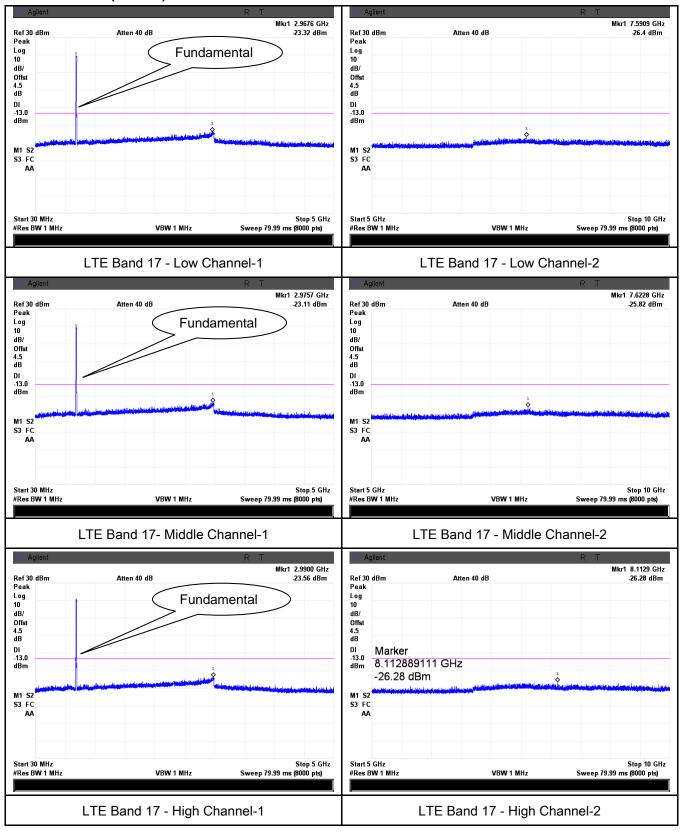
LTE Band 7 (Part 27)





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LTE Band 17 (Part 27)





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|-------------|-----------------|
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6.7 Spurious Radiated Emissions

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By: | Winnie Zhang |

Requirement(s):

| Requirement(s): | | | | | | | | |
|--|--|--|------------|--|--|--|--|--|
| Spec | Item | Requirement | Applicable | | | | | |
| §2.1053, §22.917 & §24.238 § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic. | | | | | | |
| Test setup | | Ant. Tower 1-4m Variable | | | | | | |
| Test Procedure | The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. 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. Sample Calculation: EUT Field Strength = Raw Amplitude (dBµV/m) - Amplifier Gain (dB) + Antenna | | | | | | | |



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| | Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used) |
|--------|--|
| Remark | |
| Result | Pass Fail |

Test Data Yes

Test Plot Yes (See below)

LTE Band 2 (Part 24E) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3720 | -44.83 | V | 10.25 | 2.73 | -37.31 | -13 | -24.31 |
| 3720 | -45.38 | Н | 10.25 | 2.73 | -37.86 | -13 | -24.86 |
| 63.5 | -40.61 | V | -4.2 | 0.11 | -44.92 | -13 | -31.92 |
| 188.1 | -49.55 | Н | 4.6 | 0.18 | -45.13 | -13 | -32.13 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3760 | -44.86 | V | 10.25 | 2.73 | -37.34 | -13 | -24.34 |
| 3760 | -45.32 | Η | 10.25 | 2.73 | -37.80 | -13 | -24.80 |
| 63.3 | -40.57 | ٧ | -4.2 | 0.11 | -44.88 | -13 | -31.88 |
| 188.5 | -49.81 | Н | 4.6 | 0.18 | -45.39 | -13 | -32.39 |

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3800 | -44.81 | V | 10.36 | 2.73 | -37.18 | -13 | -24.18 |
| 3800 | -45.26 | Н | 10.36 | 2.73 | -37.63 | -13 | -24.63 |



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| 63.6 | -40.63 | V | -4.2 | 0.11 | -44.94 | -13 | -31.94 |
|-------|--------|---|------|------|--------|-----|--------|
| 188.4 | -49.77 | Н | 4.6 | 0.18 | -45.35 | -13 | -32.35 |



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LTE Band 4(Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3440 | -46.75 | V | 10.06 | 2.52 | -39.21 | -13 | -26.21 |
| 3440 | -47.31 | Н | 10.06 | 2.52 | -39.77 | -13 | -26.77 |
| 62.8 | -42.17 | V | -4.2 | 0.11 | -46.48 | -13 | -33.48 |
| 180.5 | -51.23 | Н | 4.6 | 0.18 | -46.81 | -13 | -33.81 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3465 | -46.71 | V | 10.09 | 2.52 | -39.14 | -13 | -26.14 |
| 3465 | -47.28 | Н | 10.09 | 2.52 | -39.71 | -13 | -26.71 |
| 62.9 | -42.23 | V | -4.2 | 0.11 | -46.54 | -13 | -33.54 |
| 180.8 | -51.17 | Н | 4.6 | 0.18 | -46.75 | -13 | -33.75 |

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 3490 | -46.68 | V | 10.09 | 2.52 | -39.11 | -13 | -26.11 |
| 3490 | -47.33 | Н | 10.09 | 2.52 | -39.76 | -13 | -26.76 |
| 62.3 | -42.29 | V | -4.2 | 0.11 | -46.60 | -13 | -33.60 |
| 180.5 | -51.22 | Н | 4.6 | 0.18 | -46.80 | -13 | -33.80 |



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LTE Band 5(Part22H) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1658 | -44.26 | V | 7.95 | 0.78 | -37.09 | -13 | -24.09 |
| 1658 | -44.95 | Н | 7.95 | 0.78 | -37.78 | -13 | -24.78 |
| 64.1 | -39.51 | V | -4.2 | 0.11 | -43.82 | -13 | -30.82 |
| 182.3 | -48.76 | Н | 4.6 | 0.18 | -44.34 | -13 | -31.34 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1673 | -44.21 | V | 7.95 | 0.78 | -37.04 | -13 | -24.04 |
| 1673 | -44.89 | Н | 7.95 | 0.78 | -37.72 | -13 | -24.72 |
| 64.5 | -39.53 | V | -4.2 | 0.11 | -43.84 | -13 | -30.84 |
| 182.2 | -48.81 | Н | 4.6 | 0.18 | -44.39 | -13 | -31.39 |

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1688 | -44.25 | V | 7.95 | 0.78 | -37.08 | -13 | -24.08 |
| 1688 | -44.93 | Н | 7.95 | 0.78 | -37.76 | -13 | -24.76 |
| 64.8 | -39.47 | ٧ | -4.2 | 0.11 | -43.78 | -13 | -30.78 |
| 182.5 | -48.86 | Н | 4.6 | 0.18 | -44.44 | -13 | -31.44 |



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LTE Band 7(Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 5020 | -49.51 | V | 10.29 | 0.98 | -40.20 | -13 | -27.20 |
| 5020 | -50.27 | Н | 10.29 | 0.98 | -40.96 | -13 | -27.96 |
| 63.2 | -41.63 | V | -4.2 | 0.11 | -45.94 | -13 | -32.94 |
| 181.9 | -50.86 | Н | 4.6 | 0.18 | -46.44 | -13 | -33.44 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 5070 | -49.47 | ٧ | 10.3 | 0.99 | -40.16 | -13 | -27.16 |
| 5070 | -50.15 | Н | 10.3 | 0.99 | -40.84 | -13 | -27.84 |
| 63.4 | -41.53 | V | -4.2 | 0.11 | -45.84 | -13 | -32.84 |
| 181.5 | -50.89 | Н | 4.6 | 0.18 | -46.47 | -13 | -33.47 |

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 5120 | -49.44 | V | 10.32 | 1 | -40.12 | -13 | -27.12 |
| 5120 | -50.09 | Н | 10.32 | 1 | -40.77 | -13 | -27.77 |
| 63.7 | -41.45 | V | -4.2 | 0.11 | -45.76 | -13 | -32.76 |
| 181.6 | -50.82 | Н | 4.6 | 0.18 | -46.40 | -13 | -33.40 |



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LTE Band 17(Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1418 | -44.83 | V | 7.65 | 0.75 | -37.93 | -13 | -24.93 |
| 1418 | -45.37 | Н | 7.65 | 0.75 | -38.47 | -13 | -25.47 |
| 65.2 | -40.51 | V | -4.2 | 0.11 | -44.82 | -13 | -31.82 |
| 183.7 | -49.79 | Н | 4.6 | 0.18 | -45.37 | -13 | -32.37 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1420 | -44.79 | ٧ | 7.65 | 0.75 | -37.89 | -13 | -24.89 |
| 1420 | -45.32 | Н | 7.65 | 0.75 | -38.42 | -13 | -25.42 |
| 65.5 | -40.46 | V | -4.2 | 0.11 | -44.77 | -13 | -31.77 |
| 183.1 | -49.71 | Н | 4.6 | 0.18 | -45.29 | -13 | -32.29 |

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-------------------------|-------------------|------------------------------------|-----------------------|-------------------------------|----------------|----------------|
| 1422 | -44.83 | V | 7.65 | 0.75 | -37.93 | -13 | -24.93 |
| 1422 | -45.26 | Н | 7.65 | 0.75 | -38.36 | -13 | -25.36 |
| 65.9 | -40.38 | V | -4.2 | 0.11 | -44.69 | -13 | -31.69 |
| 183.5 | -49.65 | Н | 4.6 | 0.18 | -45.23 | -13 | -32.23 |



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6.8 Band Edge

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--|-------------|---|------------|
| §22.917(a) §24.238(a) § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. | > |
| Test setup | Ba | EUT Spectrum Analyzer | |
| Procedure | - | The EUT was connected to Spectrum Analyzer and Base S power divider. The Band Edges of low and high channels for the highest R were measured. Setting RBW as roughly BW/100. | |
| Remark | | | |
| Result | ☑ Pa | ss Fail | |

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



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LTE Band 2 (Part 24E) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|------------------|-----------------|-------|----------------|-------------|
| 4.4 | 40607 | 4050.7 | QPSK | -20.60 | -13 |
| 1.4 | 18607 | 1850.7 | 16QAM | -20.50 | -13 |
| 1.4 | 1.4 18900 1909.3 | 1000.3 | QPSK | -21.11 | -13 |
| 1.4 | | 1909.3 | 16QAM | -20.95 | -13 |
| 3 | 10615 | 1851.5 | QPSK | -23.06 | -13 |
| 3 | 18615 | 1051.5 | 16QAM | -23.10 | -13 |
| 3 | 19185 | 1908.5 | QPSK | -22.44 | -13 |
| 3 | 19105 | 1906.5 | 16QAM | -22.97 | -13 |
| 5 | 10625 | 1852.5 | QPSK | -14.40 | -13 |
| 5 | 18625 | 1052.5 | 16QAM | -19.44 | -13 |
| 5 | 19175 | 1907.5 | QPSK | -19.80 | -13 |
| 5 | 19175 | | 16QAM | -19.53 | -13 |
| 10 | 19650 | 1055 | QPSK | -20.07 | -13 |
| 10 | 10050 | 18650 1855 | 16QAM | -20.69 | -13 |
| 10 | 19150 | 1905 | QPSK | -22.71 | -13 |
| 10 | 19150 | 1905 | 16QAM | -20.02 | -13 |
| 15 | 18675 | 1857.5 | QPSK | -17.36 | -13 |
| 15 | 10075 | 1657.5 | 16QAM | -17.61 | -13 |
| 15 | 19125 | 1902.5 | QPSK | -20.13 | -13 |
| 15 | 19120 | 1902.5 | 16QAM | -20.12 | -13 |
| 20 | 19700 | 1860 | QPSK | -19.28 | -13 |
| 20 | 18700 1 | 1000 | 16QAM | -19.08 | -13 |
| 20 | 19100 | 1000 | QPSK | -19.75 | -13 |
| 20 | 18100 | 1900 | 16QAM | -19.47 | -13 |



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LTE Band 4 (Part 27) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|------------|-----------------|-------|----------------|-------------|
| 4.4 | 40057 | 4740.7 | QPSK | -18.61 | -13 |
| 1.4 | 19957 | 1710.7 | 16QAM | -18.10 | -13 |
| 4.4 | 20202 | 4754.2 | QPSK | -23.03 | -13 |
| 1.4 | 20393 | 1754.3 | 16QAM | -23.95 | -13 |
| 2 | 40005 | 4744 5 | QPSK | -15.51 | -13 |
| 3 | 19965 | 1711.5 | 16QAM | -16.11 | -13 |
| 2 | 20205 | 4752.5 | QPSK | -17.14 | -13 |
| 3 | 20385 | 1753.5 | 16QAM | -18.50 | -13 |
| F | 40075 | 4740.5 | QPSK | -22.69 | -13 |
| 5 | 19975 | 1712.5 | 16QAM | -19.44 | -13 |
| F | 20275 | 4750 5 | QPSK | -22.07 | -13 |
| 5 | 20375 | 1752.5 | 16QAM | -21.16 | -13 |
| 40 | 20000 | 00000 4745 | QPSK | -21.87 | -13 |
| 10 | 20000 | 1715 | 16QAM | -20.50 | -13 |
| 40 | 20250 | 4750 | QPSK | -22.63 | -13 |
| 10 | 20350 | 1750 | 16QAM | -21.89 | -13 |
| 45 | 20025 | 4747.5 | QPSK | -23.25 | -13 |
| 15 | 20025 | 1717.5 | 16QAM | -24.50 | -13 |
| 15 | 20225 | 4747 5 | QPSK | -23.85 | -13 |
| 15 | 20325 | 1747.5 | 16QAM | -24.18 | -13 |
| 20 | 20050 | 1700 | QPSK | -25.63 | -13 |
| 20 | 20050 1720 | 1720 | 16QAM | -25.78 | -13 |
| 20 | 20200 | 1745 | QPSK | -22.72 | -13 |
| 20 | 20300 | 1745 | 16QAM | -22.97 | -13 |



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LTE Band 5 (Part 22H) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|----------|---------|-----------------|--------------------|----------------|-------------|
| 4.4 | 00407 | 20427 | QPSK | -21.51 | -13 |
| 1.4 | 20407 | 024.7 | 824.7 16QAM -21.21 | -13 | |
| 1.4 | 20643 | 0.40.0 | QPSK | -15.57 | -13 |
| 1.4 | 20043 | 848.3 | 16QAM | -15.56 | -13 |
| 3 | 20415 | 825.5 | QPSK | -19.36 | -13 |
| 3 | 20415 | 625.5 | 16QAM | -19.83 | -13 |
| 3 | 20635 | 847.5 | QPSK | -20.33 | -13 |
| <u> </u> | 20055 | 047.5 | 16QAM | -20.38 | -13 |
| 5 20425 | 20425 | 826.5 | QPSK | -22.05 | -13 |
| | 020.3 | 16QAM | -22.37 | -13 | |
| 5 | 00005 | 846.5 | QPSK | -20.94 | -13 |
| 5 20625 | 20025 | 040.3 | 16QAM | -21.38 | -13 |
| 10 2 | 20450 | 829 | QPSK | -19.99 | -13 |
| | 20400 | 029 | 16QAM | -19.84 | -13 |
| 10 | 00000 | 844 | QPSK | -21.66 | -13 |
| 10 | 20800 | 044 | 16QAM | -21.37 | -13 |



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LTE Band 17 (Part 27) result

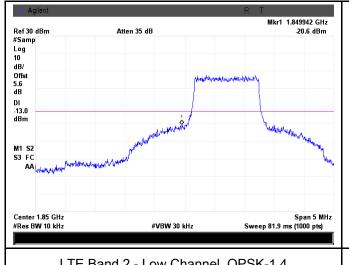
| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|----------|---------|-----------------|--------|----------------|-------------|
| 5 | 22755 | 706 F | QPSK | -19.50 | -13 |
| 5 | 23755 | 706.5 | 16QAM | -18.81 | -13 |
| 5 | 22025 | 713.5 | QPSK | -21.53 | -13 |
| 5 23825 | 713.5 | 16QAM | -22.17 | -13 | |
| 40 | 00700 | 700 | QPSK | -22.42 | -13 |
| 10 | 23780 | 709 | 16QAM | -19.11 | -13 |
| 10 23800 | 744 | QPSK | -23.54 | -13 | |
| | 23800 | 711 | 16QAM | -22.62 | -13 |

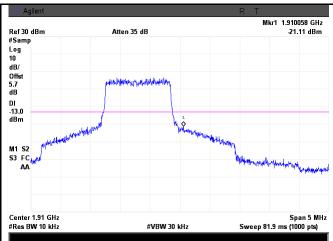


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Test Plots

LTE Band 2 (Part 24E)





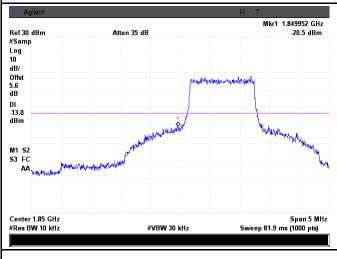
LTE Band 2 - Low Channel QPSK-1.4

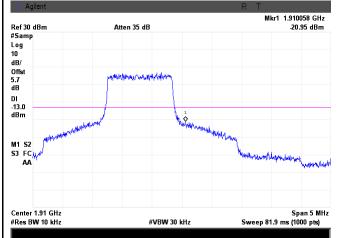
LTE Band 2 - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log (12.85/10)=4.5+1.1=5.6 dB

Note: Offset=Cable loss (4.5) + 10log

(13.09/10)=4.5+1.2=5.7 dB





LTE Band 2 - Low Channel 16QAM-1.4

LTE Band 2 - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log

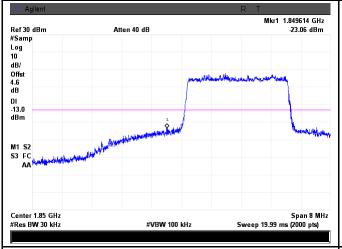
Note: Offset=Cable loss (4.5) + 10log

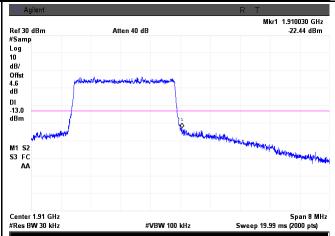
(13.26/10)=4.5+1.2=5.7 dB

(12.81/10)=4.5+1.1=5.6 dB



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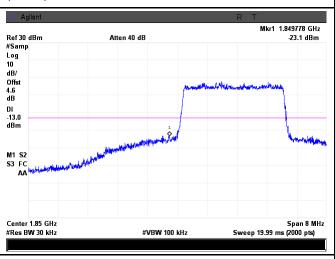


LTE Band 2 - Low Channel QPSK-3

LTE Band 2 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (31/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.54/30)=4.5+0.1=4.6 dB



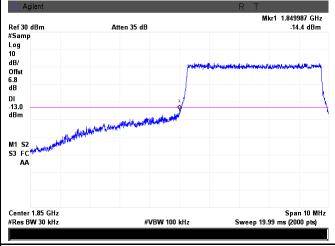


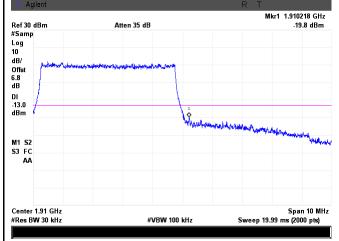
LTE Band 2 - Low Channel 16QAM-3

LTE Band 2 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (30.95/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.57/30)=4.5+0.1=4.6 dB





LTE Band 2 - Low Channel QPSK-5

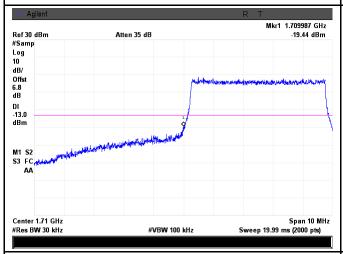
LTE Band 2 - High Channel QPSK-5

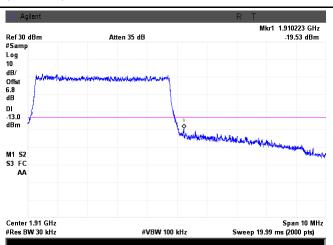


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Note: Offset=Cable loss (4.5) + 10log (50.99/30)=4.5+2.3=6.8 dB

Note: Offset=Cable loss (4.5) + 10log (50.53/30)=4.5+2.3=6.8 dB



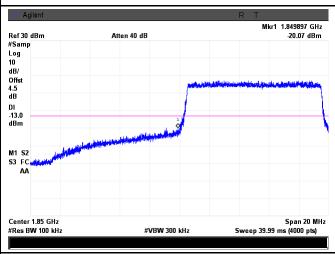


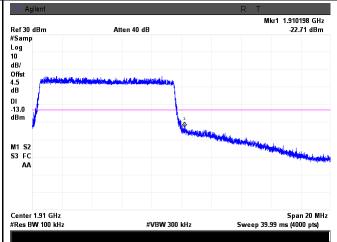
LTE Band 2 - Low Channel 16QAM-5

LTE Band 2 - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log (50.16/30)=4.5+2.3=6.8 dB

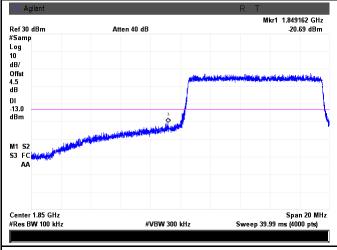
Note: Offset=Cable loss (4.5) + 10log (50.52/30)=4.5+2.3=6.8 dB

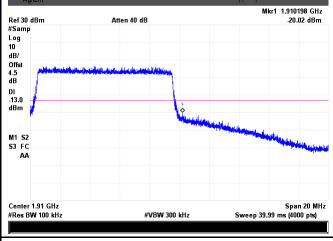




LTE Band 2 - Low Channel QPSK-10

LTE Band 2 - High Channel QPSK-10





LTE Band 2 - Low Channel 16QAM-10

LTE Band 2 - High Channel 16QAM-10

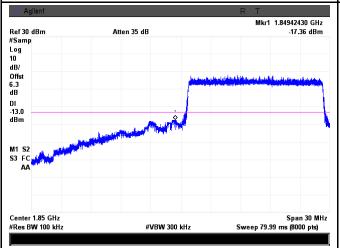


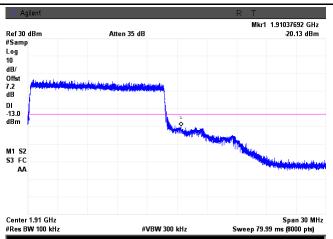
| Test Report | 15070962-FCC-R5 |
|-------------|-----------------|
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Note: Offset=Cable loss (4.5) + 10log

(110.6/100)=4.5+0.0=4.5 dB

Note: Offset=Cable loss (4.5) + 10log (102.0/100)=4.5+0.0=4.5 dB





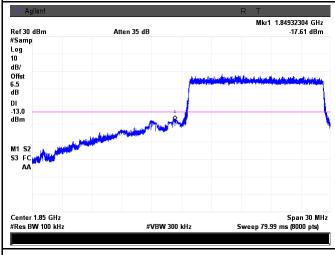
LTE Band 2 - Low Channel QPSK-15

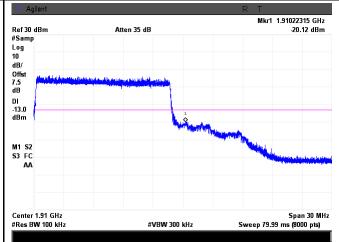
LTE Band 2 - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log (151.6/100)=4.5+1.8=6.3 dB

(185.2/100)=4.5+2.7=7.2 dB

Note: Offset=Cable loss (4.5) + 10log





LTE Band 2 - Low Channel 16QAM-15

LTE Band 2 - High Channel 16QAM-15

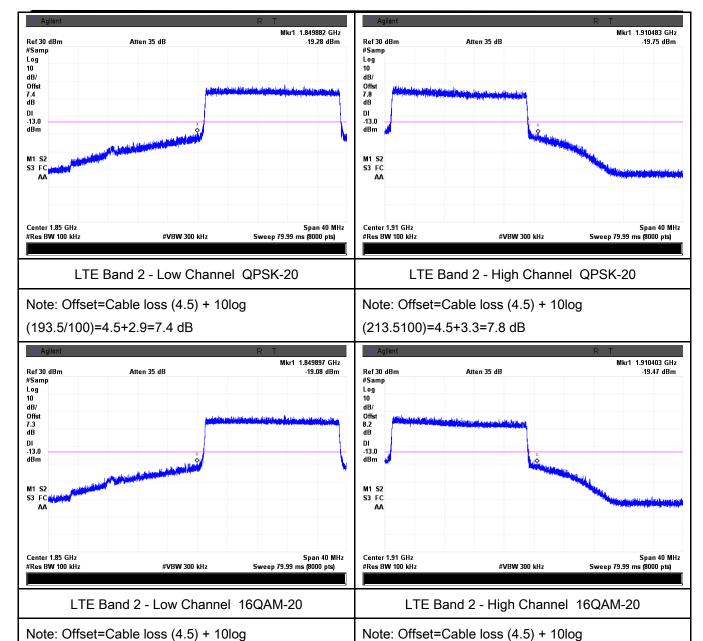
Note: Offset=Cable loss (4.5) + 10log (157.4/100)=4.5+2.0=6.5 dB

Note: Offset=Cable loss (4.5) + 10log (199.6/100)=4.5+3.0=7.5 dB



(192.6/100)=4.5+2.8=7.3 dB

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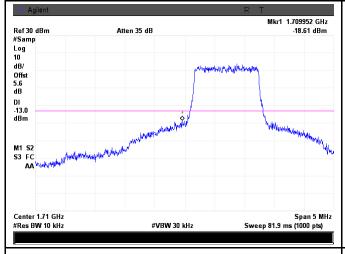


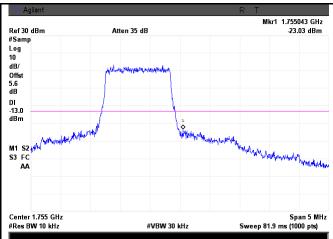
(236.8/100)=4.5+3.7=8.2 dB



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LTE Band 4 (Part 27)



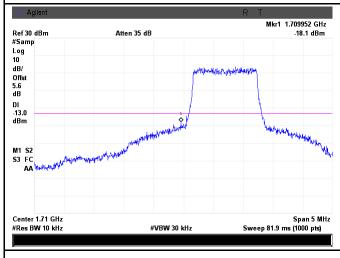


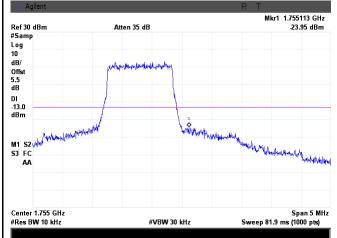
LTE Band 4 - Low Channel QPSK-1.4

LTE Band 4 - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log (12.79/10)=4.5+1.1=5.6 dB

Note: Offset=Cable loss (4.5) + 10log (12.83/10)=4.5+1.1=5.6 dB





LTE Band 4 - Low Channel 16QAM-1.4

LTE Band 4 - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log (12.74/10)=4.5+1.1=5.6 dB

Note: Offset=Cable loss (4.5) + 10log (12.72/10)=4.5+1.0=5.5 dB



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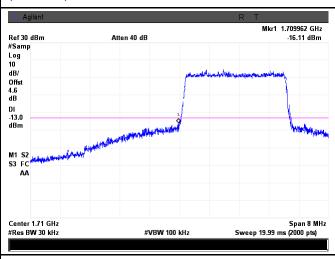


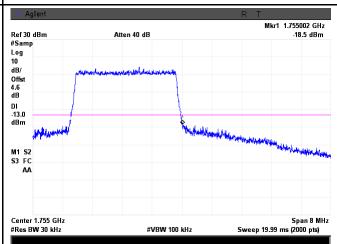
LTE Band 4 - Low Channel QPSK-3

LTE Band 4 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (31.02/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.61/30)=4.5+0.1=4.6 dB



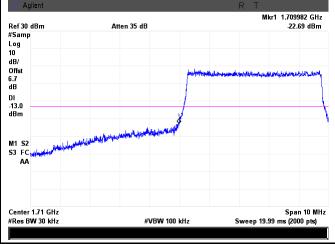


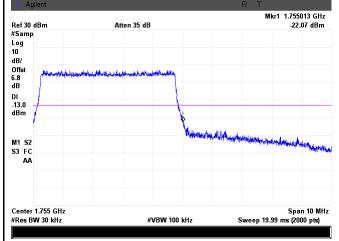
LTE Band 4 - Low Channel 16QAM-3

LTE Band 4 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (30.63/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.59/30)=4.5+0.1=4.6 dB





LTE Band 4 - Low Channel QPSK-5

LTE Band 4 - High Channel QPSK-5

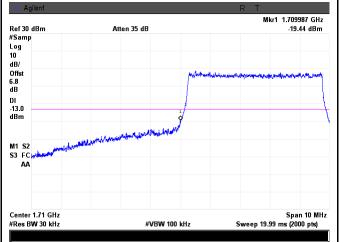


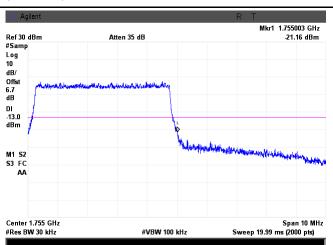
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Note: Offset=Cable loss (4.5) + 10log

(50.36/30)=4.5+2.2=6.7 dB

Note: Offset=Cable loss (4.5) + 10log (50.38/30)=4.5+2.3=6.8 dB





LTE Band 4 - Low Channel 16QAM-5

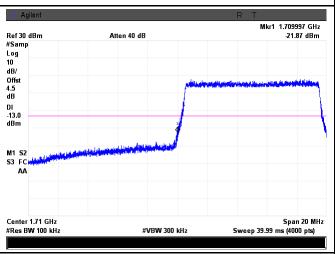
Note: Offset=Cable loss (4.5) + 10log

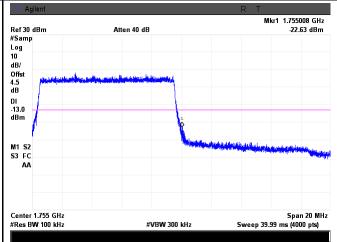
(51/30)=4.5+2.3=6.8 dB

LTE Band 4 - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log

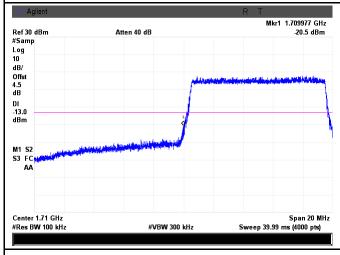
(49.41/30)=4.5+2.2=6.7 dB

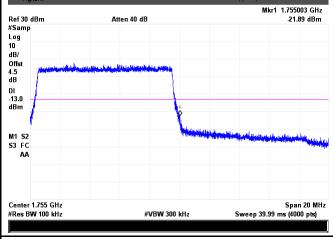




LTE Band 4 - Low Channel QPSK-10

LTE Band 4 - High Channel QPSK-10



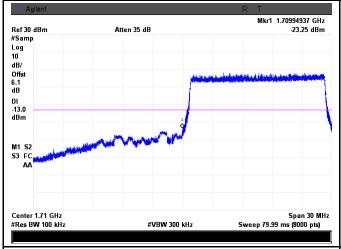


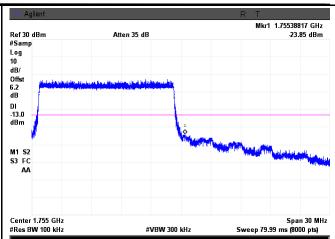
LTE Band 4 - Low Channel 16QAM-10

LTE Band 4 - High Channel 16QAM-10



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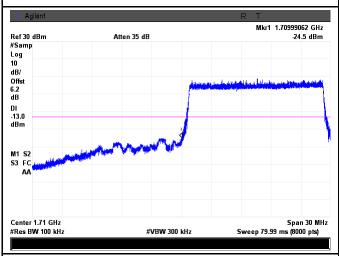


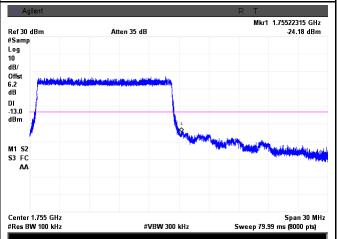
LTE Band 4 - Low Channel QPSK-15

LTE Band 4 - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log (145.6/100)=4.5+1.6=6.1 dB

Note: Offset=Cable loss (4.5) + 10log (148.6/100)=4.5+1.7=6.2 dB



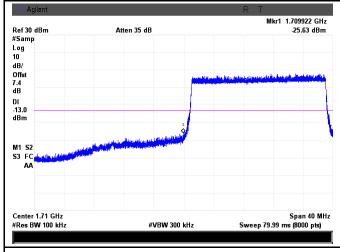


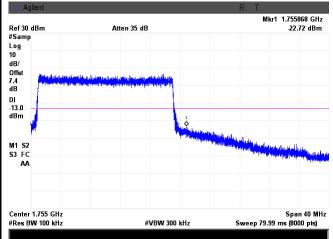
LTE Band 4 - Low Channel 16QAM-15

LTE Band 4 - High Channel 16QAM-15

Note: Offset=Cable loss (4.5) + 10log (148.6/100)=4.5+1.7=6.2 dB

Note: Offset=Cable loss (4.5) + 10log (147.5/100)=4.5+1.7=6.2 dB





LTE Band 4 - Low Channel QPSK-20

LTE Band 4 - High Channel QPSK-20

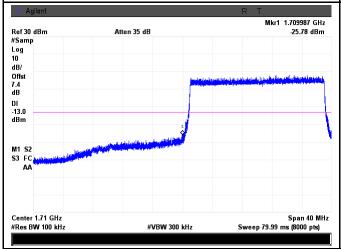


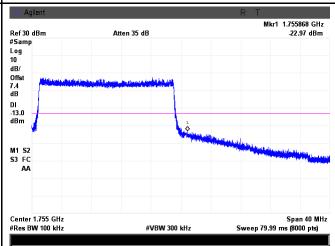
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Note: Offset=Cable loss (4.5) + 10log

(192.9/100)=4.5+2.9=7.4 dB

Note: Offset=Cable loss (4.5) + 10log (196.7/100)=4.5+2.9=7.4 dB





LTE Band 4 - Low Channel 16QAM-20

Note: Offset=Cable loss (4.5) + 10log

(192.8/100)=4.5+2.9=7.4 dB

LTE Band 4 - High Channel 16QAM-20

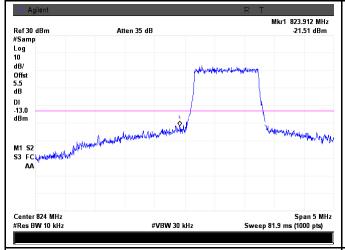
Note: Offset=Cable loss (4.5) + 10log

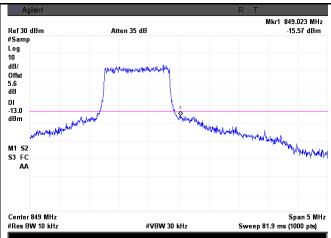
(195.8/100)=4.5+2.9=7.4 dB



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LTE Band 5 (Part 22H)



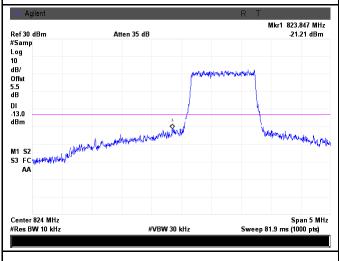


LTE Band 5 - Low Channel QPSK-1.4

LTE Band 5 - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log (12.56/10)=4.5+1.0=5.5 dB

Note: Offset=Cable loss (4.5) + 10log (12.89/10)=4.5+1.1=5.6 dB





LTE Band 5 - Low Channel 16QAM-1.4

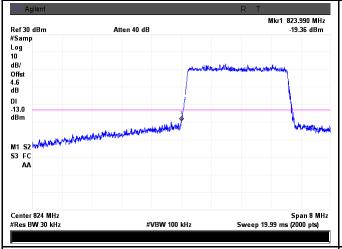
LTE Band 5 - High Channel 16QAM-1.4

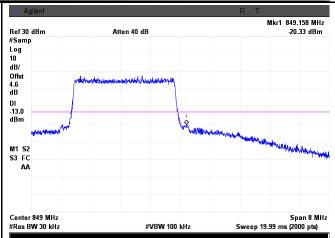
Note: Offset=Cable loss (4.5) + 10log (12.71/10)=4.5+1.0=5.5 dB

Note: Offset=Cable loss (4.5) + 10log (12.89/10)=4.5+1.1=5.6 dB



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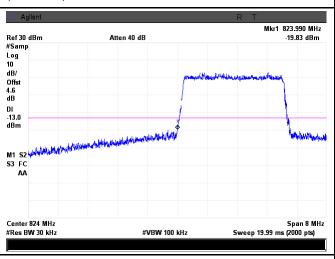


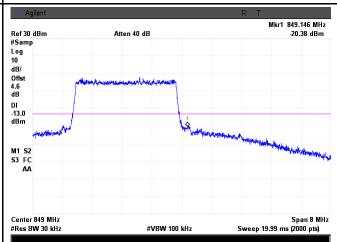
LTE Band 5 - Low Channel QPSK-3

LTE Band 5 - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log (30.55/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.9/30)=4.5+0.1=4.6 dB



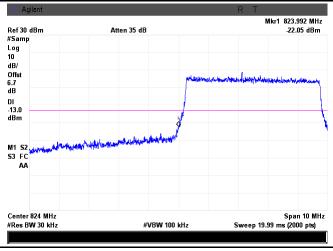


LTE Band 5 - Low Channel 16QAM-3

LTE Band 5 - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log (30.62/30)=4.5+0.1=4.6 dB

Note: Offset=Cable loss (4.5) + 10log (30.95/30)=4.5+0.1=4.6 dB





LTE Band 5 - Low Channel QPSK-5

LTE Band 5 - High Channel QPSK-5

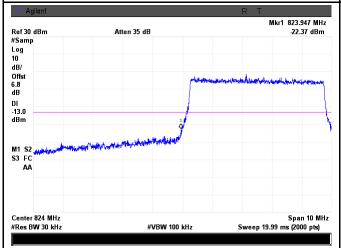


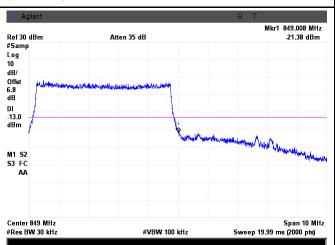
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Note: Offset=Cable loss (4.5) + 10log

(50.32/30)=4.5+2.2=6.7 dB

Note: Offset=Cable loss (4.5) + 10log (50.07/30)=4.5+2.2=6.7 dB



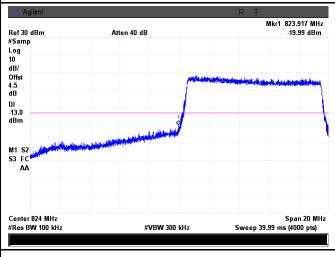


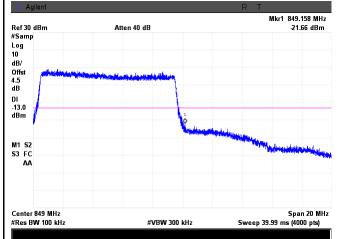
LTE Band 5 - High Channel 16QAM-5

LTE Band 5 - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log (50.44/30)=4.5+2.3=6.8 dB

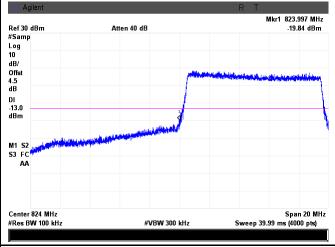
Note: Offset=Cable loss (4.5) + 10log (50.62/30)=4.5+2.3=6.8 dB

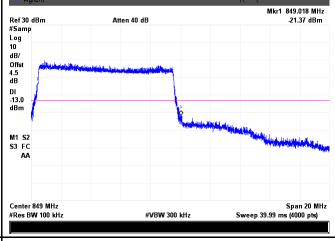




LTE Band 5 - Low Channel QPSK-10

LTE Band 5 - High Channel QPSK-10





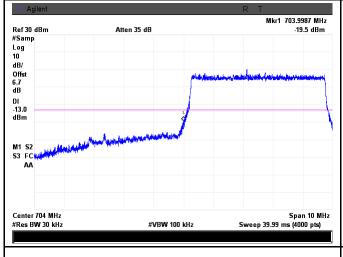
LTE Band 5 - Low Channel 16QAM-10

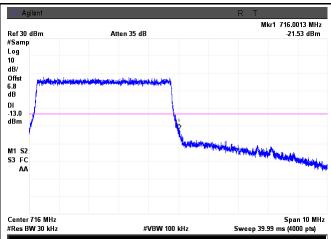
LTE Band 5 - High Channel 16QAM-10



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LTE Band 17 (Part 27)





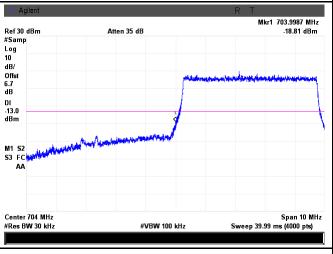
LTE Band 17 - Low Channel QPSK-5

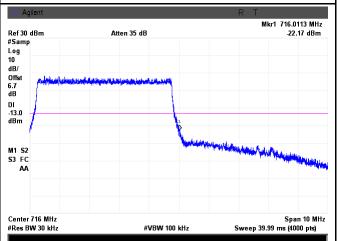
LTE Band 17 - High Channel QPSK-5

Note: Offset=Cable loss (4.0) + 10log

Note: Offset=Cable loss (4.0) + 10log (50.63/30)=4.5+2.3=6.8 dB

(49.79/30)=4.5+2.2=6.7 dB





LTE Band 17 - Low Channel 16QAM-5

LTE Band 17 - High Channel 16QAM-5

Note: Offset=Cable loss (4.0) + 10log

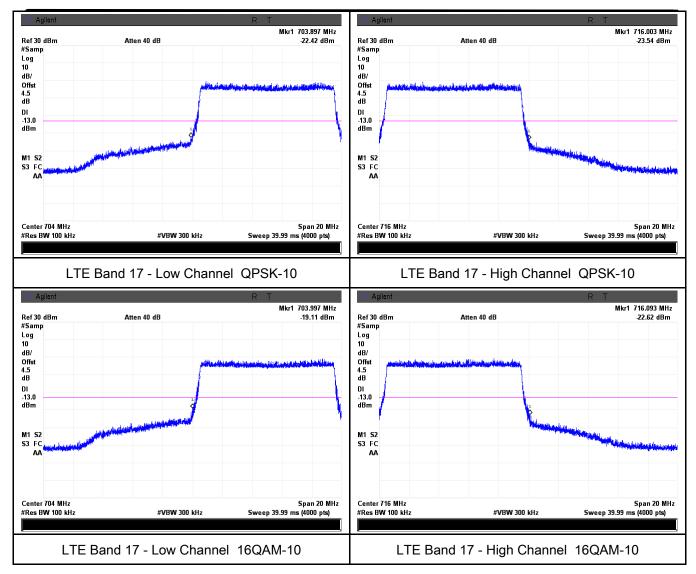
Note: Offset=Cable loss (4.0) + 10log

(50.19/30)=4.5+2.2=6.7 dB

(50.11/30)=4.5+2.2=6.7 dB



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6.9 Band Edge 27.53(m)

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

| Spec | Requirement | Applicable |
|-------------------|---|------------|
| §27.53(m) | According to FCC 27.53(m)(4) specified that power of any emmission ouutside of the channel edge must be attenuated below the transmitting power(P) by a factor shall be not less than 43+10log (P)dB at the channel edge, the limit of emission equal to -13dBm. And 55+10log (P)dB at 5.5MHz from the channel edges, the limit of emission equal to -25dBm. In the 1MHz bands immediately outside and adjacent to the frenqency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. | \ |
| Test Setup | Base Station Spectrum Analyzer EUT | |
| Test Procedure | The EUT was connected to Spectrum Analyzer and Base Station divider. The 99% and 26 dB occupied bandwidth (BW) of the middle change highest RF powers. | · |
| Remark | | |
| Result | Pass Fail | |

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



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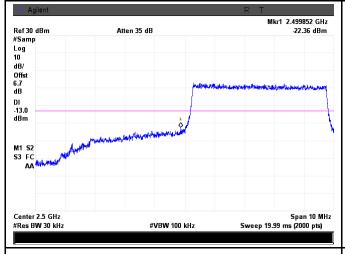
LTE Band 7 (Part 27) result

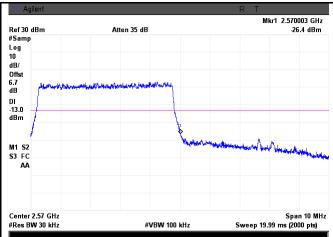
| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|----------|-----------------|--------|----------------|-------------|
| 5 00775 | 2502.5 | QPSK | -22.36 | -13 | |
| 5 | 20775 | 2502.5 | 16QAM | -23.96 | -13 |
| E | 24.425 | 2567.5 | QPSK | -26.40 | -13 |
| 5 | 21425 | 2567.5 | 16QAM | -26.57 | -13 |
| 40 | 20000 | 2505 | QPSK | -22.58 | -13 |
| 10 | 10 20800 | 2505 | 16QAM | -21.94 | -13 |
| 40 | 40 04400 | 2562.5 | QPSK | -25.83 | -13 |
| 10 | 21400 | | 16QAM | -22.50 | -13 |
| 15 | 15 20825 | 2507.5 | QPSK | -20.14 | -13 |
| 15 | | | 16QAM | -20.78 | -13 |
| 15 | 45 04400 | 2562.5 | QPSK | -23.33 | -13 |
| 15 | 21400 | | 16QAM | -23.32 | -13 |
| 20 | 20050 | 2510 | QPSK | -23.27 | -13 |
| 20 | 20850 | | 16QAM | -21.53 | -13 |
| 20 | 21350 | 2560 | QPSK | -25.44 | -13 |
| 20 | | | 16QAM | -25.51 | -13 |



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LTE Band 7 (Part 27)





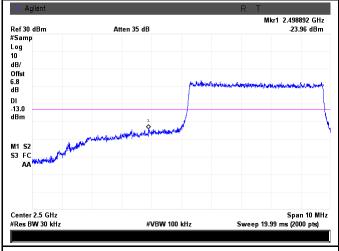
LTE Band 7 - Low Channel QPSK-5

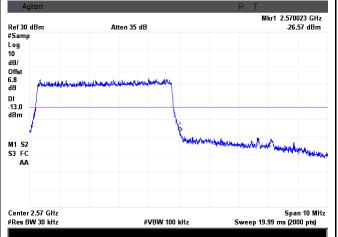
LTE Band 7 - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log (49.88/30)=4.5+2.2=6.7 dB

Note: Offset=Cable loss (4.5) + 10log

(49.78/30)=4.5+2.2=6.7 dB





LTE Band 7 - Low Channel 16QAM-5

LTE Band 7 - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log

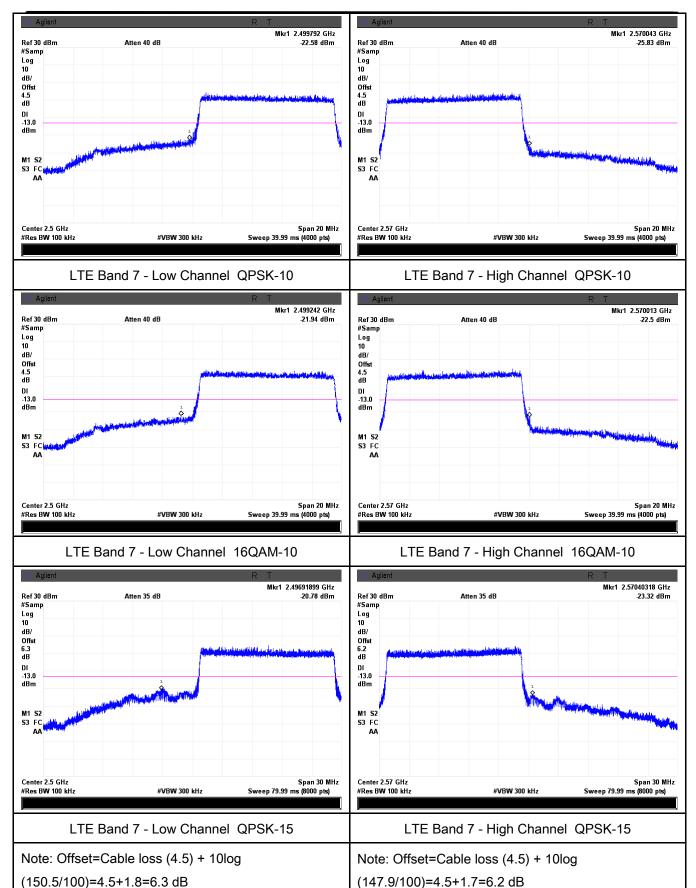
(50.99/30)=4.5+2.3=6.8 dB

Note: Offset=Cable loss (4.5) + 10log

(50.51/30)=4.5+2.3=6.8 dB

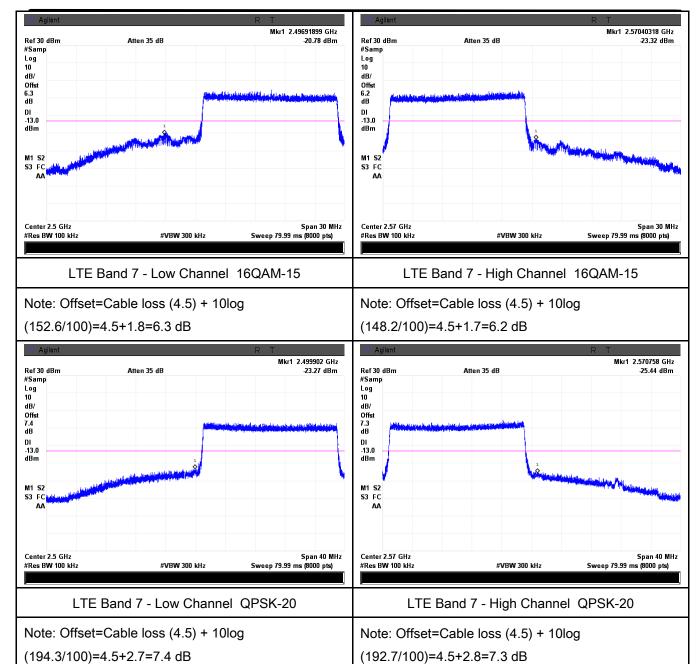


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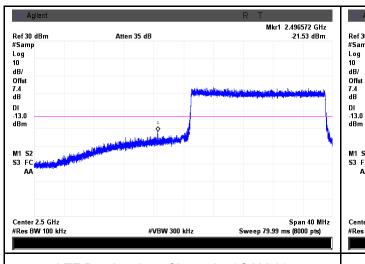


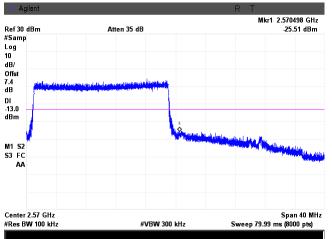
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LTE Band 7 - Low Channel 16QAM-20

LTE Band 7 - High Channel 16QAM-20

Note: Offset=Cable loss (4.5) + 10log

Note: Offset=Cable loss (4.5) + 10log

(194.9/100)=4.5+2.9=7.4 dB

(194.3/100)=4.5+2.9=7.4 dB



| Test Report | 15070962-FCC-R5 |
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6.10 Frequency Stability

| Temperature | 22°C |
|----------------------|-------------------|
| Relative Humidity | 57% |
| Atmospheric Pressure | 1005mbar |
| Test date : | November 05, 2015 |
| Tested By : | Winnie Zhang |

Requirement(s):

| Spec | Item | Requirement | | | | Applicable |
|--|---|--|--|---|-------------------------------------|------------|
| | | According to §22.3 the Public Mobile S tolerances given in Frequency Toleran Services | Services mus Table below | et be maintained w | rithin the | |
| §2.1055, §22.355 & §24.235 a) § 27.5(h); § 27.54 | Frequency Range (MHz) 25 to 50 to 450 450 to 512 821 to 896 928 to 929. 929 to 960. | Base, fixed (ppm) 20.0 5.0 2.5 1.5 5.0 1.5 | Mobile ≤ 3 watts (ppm) 20.0 5.0 5.0 2.5 N/A N/A | Mobile ≤ 3 watts (ppm) 50.0 50.0 5 0 2.5 N/A N/A | V | |
| | | 2110 to 2220 According to §24.2 ensure that the fun frequency block. According to §27.5 ensure that the fun bands of operation | damental en 4, The frequ damental en | nissions stay withi | n the authorized I be sufficient to | |



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| Test setup | Base Station EUT Thermal Chamber | | | |
|------------|--|--|--|--|
| Procedure | A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage. Limit: The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency. | | | |
| Remark | Frequency Stability versus Temperature: The Frequency tolerance of the carrier signal shall be maintained within 2.5ppm of the operating frequency over a temperature variation of -10°C to +55°C at normal supply voltage. | | | |
| Result | Pass Fail | | | |

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



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LTE Band 2 (Part 24E) result

| Middle Channel, f _o = 1880 MHz | | | | | |
|---|-----------------------------------|----------------------------|-----------------------|----------------|--|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | |
| -10 | | -6 | 0.0032 | 2.5 | |
| 0 | | -10 | 0.0053 | 2.5 | |
| 10 | 3.7 | -6 | 0.0032 | 2.5 | |
| 20 | | -11 | 0.0059 | 2.5 | |
| 30 | | -11 | 0.0059 | 2.5 | |
| 40 | | -8 | 0.0043 | 2.5 | |
| 50 | | -12 | 0.0064 | 2.5 | |
| 55 | | -9 | 0.0048 | 2.5 | |
| 25 | 4.2 | -10 | 0.0053 | 2.5 | |
| | 3.5 | -10 | 0.0053 | 2.5 | |

LTE Band 4 (Part 27) result

| Middle Channel, f₀ = 1732.5 MHz | | | | |
|---------------------------------|-----------------------------------|----------------------------|-----------------------------|----------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | | -13 | 0.0075 | 2.5 |
| 0 | | -12 | 0.0069 | 2.5 |
| 10 | 3.7 | -12 | 0.0069 | 2.5 |
| 20 | | -13 | 0.0075 | 2.5 |
| 30 | | -11 | 0.0063 | 2.5 |
| 40 | | -11 | 0.0063 | 2.5 |
| 50 | | -15 | 0.0087 | 2.5 |
| 55 | | -13 | 0.0075 | 2.5 |
| 25 | 4.2 | -12 | 0.0069 | 2.5 |
| | 3.5 | -15 | 0.0087 | 2.5 |



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LTE Band 5 (Part 22H) result

| | Middle Channel, f _o = 1732.5 MHz | | | | | |
|------------------|---|----------------------|-----------------------|----------------|--|--|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | | |
| -10 | | 7 | 0.0084 | 2.5 | | |
| 0 | | 6 | 0.0072 | 2.5 | | |
| 10 | 3.7 | 7 | 0.0084 | 2.5 | | |
| 20 | | 9 | 0.0108 | 2.5 | | |
| 30 | | 10 | 0.0120 | 2.5 | | |
| 40 | | 13 | 0.0155 | 2.5 | | |
| 50 | | 9 | 0.0108 | 2.5 | | |
| 55 | | 10 | 0.0120 | 2.5 | | |
| 25 | 4.2 | 8 | 0.0096 | 2.5 | | |
| | 3.5 | 11 | 0.0132 | 2.5 | | |

LTE Band 7 (Part 27) result

| | Middle Channel, f _o = 2535 MHz | | | | | |
|------------------|---|----------------------------|-----------------------------|----------------|--|--|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | | |
| -10 | | -10 | 0.0053 | 2.5 | | |
| 0 | | -8 | 0.0043 | 2.5 | | |
| 10 | 3.7 | -11 | 0.0059 | 2.5 | | |
| 20 | | -12 | 0.0064 | 2.5 | | |
| 30 | | -9 | 0.0048 | 2.5 | | |
| 40 | | -8 | 0.0043 | 2.5 | | |
| 50 | | -12 | 0.0064 | 2.5 | | |
| 55 | | -11 | 0.0059 | 2.5 | | |
| 25 | 4.2 | -9 | 0.0048 | 2.5 | | |
| | 3.5 | -13 | 0.0069 | 2.5 | | |



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LTE Band 17 (Part 27) result

| Middle Channel, f _o = 710 MHz | | | | |
|--|-----------------------------------|----------------------------|-----------------------|----------------|
| Temperature (°C) | Power Supplied (V _{DC}) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) |
| -10 | | 9 | 0.0127 | 2.5 |
| 0 | 3.7 | 8 | 0.0113 | 2.5 |
| 10 | | 5 | 0.0070 | 2.5 |
| 20 | | 7 | 0.0099 | 2.5 |
| 30 | | 6 | 0.0085 | 2.5 |
| 40 | | 11 | 0.0155 | 2.5 |
| 50 | | 12 | 0.0169 | 2.5 |
| 55 | | 7 | 0.0099 | 2.5 |
| 25 | 4.2 | 8 | 0.0113 | 2.5 |
| 25 | 3.5 | 10 | 0.0141 | 2.5 |



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Annex A. TEST INSTRUMENT

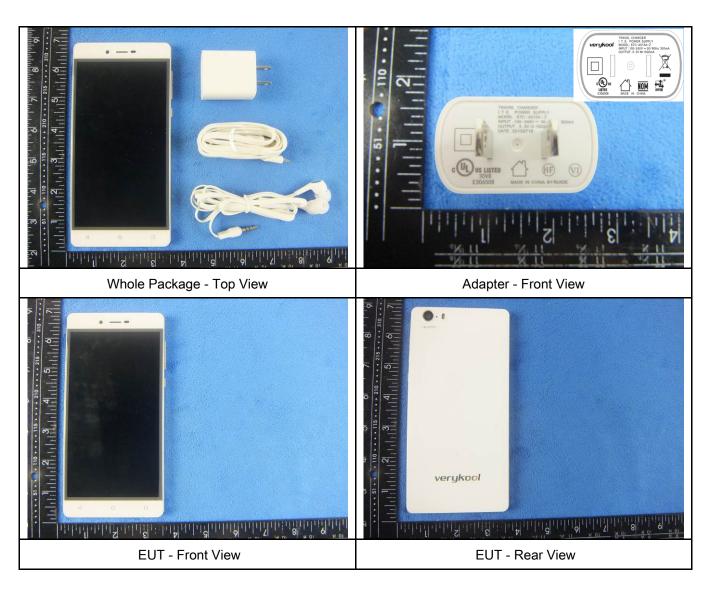
| Instrument | Model | Serial# | Cal Date | Cal Due | In use |
|---|---------------------|------------|------------|------------|-------------|
| RF Conducted Test | | | | | |
| Agilent ESA-E SERIES SPECTRUM ANALYZER | E4407B | MY45108319 | 09/16/2015 | 09/15/2016 | (|
| Power Splitter | 1# | 1# | 09/01/2015 | 08/31/2016 | • |
| Universal Radio Communication Tester | CMU200 | 121393 | 09/25/2015 | 09/24/2016 | <u>\</u> |
| Wideband Radio Communication Tester | CMW500 | 120906 | 03/28/2015 | 03/27/2016 | \ |
| Temperature/Humidity Chamber | UHL-270 | 001 | 10/09/2015 | 10/08/2016 | <u><</u> |
| DC Power Supply | E3640A | MY40004013 | 09/17/2015 | 09/16/2016 | > |
| Radiated Emissions | | | | | |
| EMI test receiver | ESL6 | 100262 | 09/17/2015 | 09/16/2016 | > |
| OPT 010 AMPLIFIER (0.1-1300MHz) | 8447E | 2727A02430 | 09/01/2015 | 08/31/2016 | > |
| Microwave Preamplifier (0.5 ~ 18GHz) | PAM-118 | 443008 | 09/01/2015 | 08/31/2016 | <u>\</u> |
| Bilog Antenna (30MHz~6GHz) | JB6 | A110712 | 09/21/2015 | 09/20/2016 | <u>\</u> |
| Bilog Antenna (30MHz~2GHz) | JB1 | A112017 | 09/21/2015 | 09/20/2016 | \ |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71259 | 09/24/2015 | 09/23/2016 | <u><</u> |
| Double Ridge Horn Antenna (1 ~18GHz) | AH-118 | 71283 | 09/24/2015 | 09/23/2016 | <u>\</u> |
| SYNTHESIZED SIGNAL GENERATOR | 8665B | 3744A01293 | 09/17/2015 | 09/16/2016 | \ |
| Tunable Notch Filter | 3NF- 800/1000-S | AA4 | 09/01/2015 | 08/31/2016 | Y |
| Tunable Notch Filter | 3NF- 1000/2000-S | AM 4 | 09/01/2015 | 08/31/2016 | ✓ |



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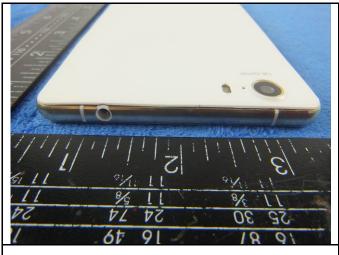
Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo



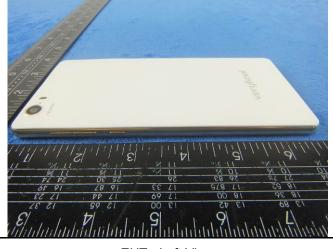


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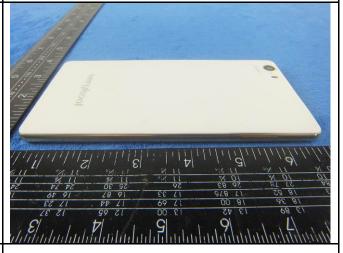


EUT - Top View

EUT - Bottom View



EUT - Left View

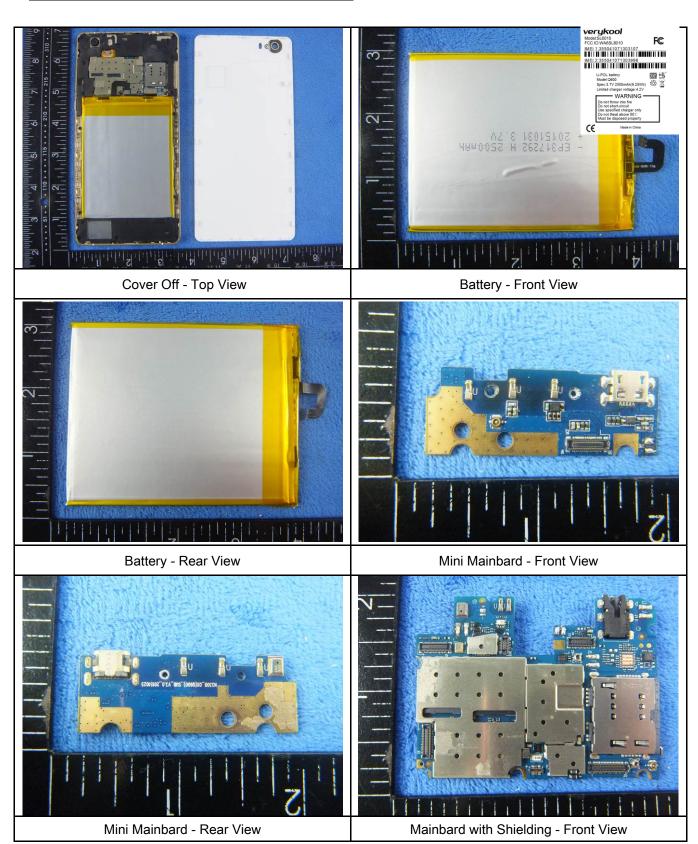


EUT - Right View



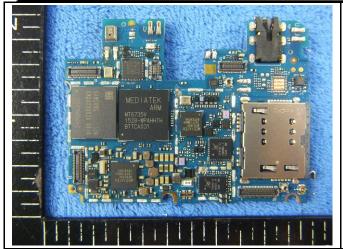
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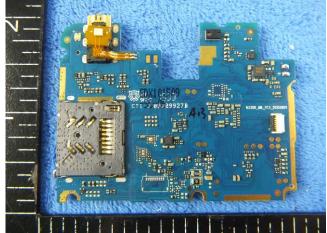
Annex B.ii. Photograph: EUT Internal Photo





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Mainbard without Shielding - Front View

Mainbard - Rear View



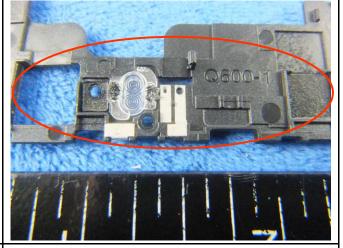


LCD - Front View

LCD - Rear View



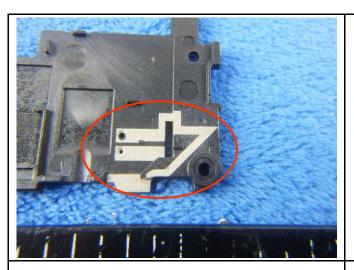




WIFI/BT/BLE - Antenna View



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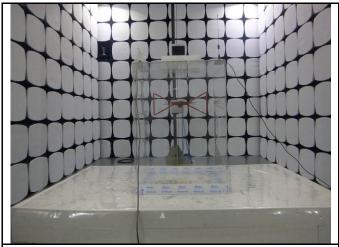


GPS - Antenna View

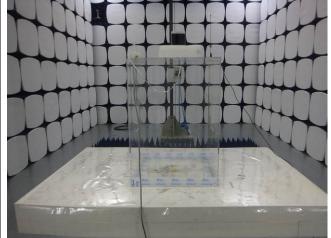


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Annex B.iii. Photograph: Test Setup Photo



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz

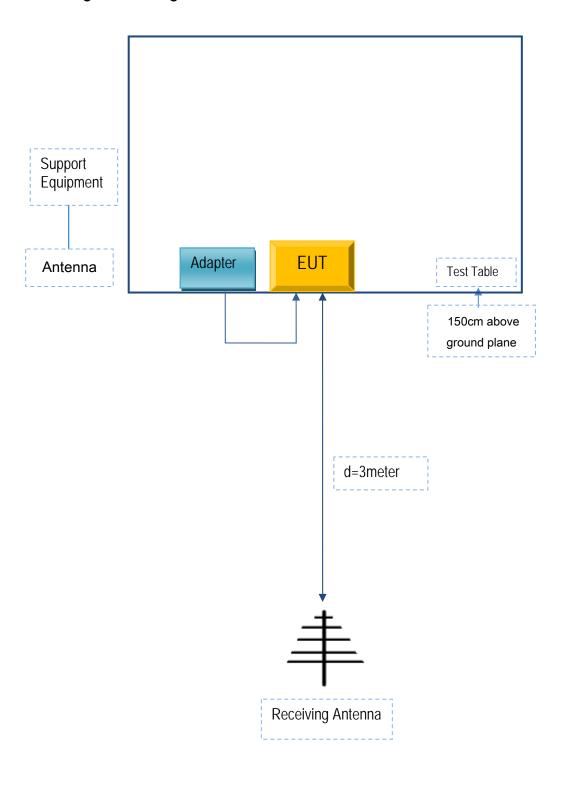


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

| Manufacturer | Equipment Description | Model | Calibration Date | Calibration Due Date |
|--------------|-----------------------|-------|---------------------|----------------------|
| N/A | N/A | N/A | N/A | N/A |



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Annex C.ii. EUT OPERATING CONKITIONS

N/A



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A