

| | Channel Bandwidth: 5MHz | | | | hannel Ban | dwidth: 10M | Hz |
|---------|-------------------------|-----------|--------------|---------|------------|-------------|------------|
| Channel | Frequency | 99% Band | width (MHz) | Channel | Frequency | 99% Bandy | vidth(MHz) |
| | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM |
| 20525 | 836.5 | 4.5095 | 4.5077 | 20525 | 836.5 | 8.9808 | 8.9775 |
| | Channel Bandwidth: 5MHz | | | C | hannel Ban | dwidth: 10M | Hz |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Band | width(MHz) |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM |
| 20525 | 836.5 | 5.046 | 5.092 | 20525 | 836.5 | 10.03 | 9.887 |

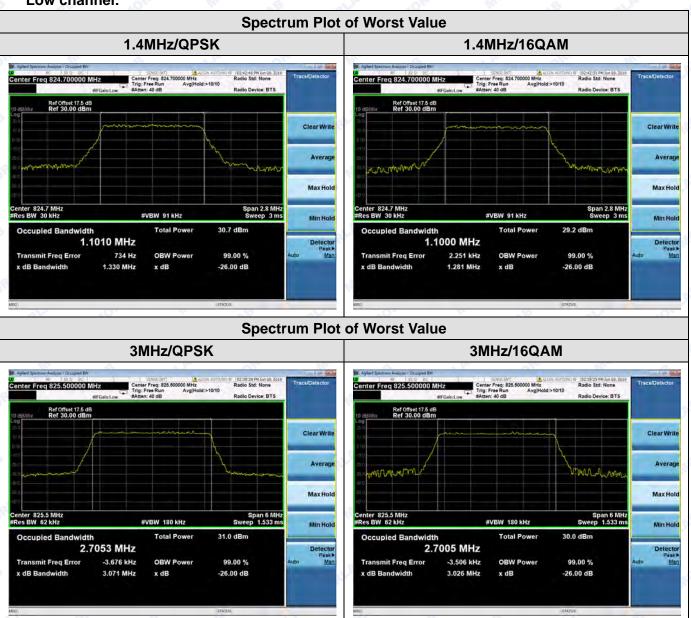
High channel:

| С | hannel Band | dwidth: 1.4N | 1Hz | | Channel Ban | dwidth: 3MI | -lz |
|---------|---------------------------|--------------|--------------|---------|-------------|--------------------|------------|
| Channel | Frequency | 99% Band | width (MHz) | Channel | Frequency | 99% Bandwidth(MHz) | |
| | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM |
| 20643 | 848.3 | 1.0951 | 1.1023 | 20635 | 847.5 | 2.7088 | 2.7110 |
| С | Channel Bandwidth: 1.4MHz | | | | Channel Ban | dwidth: 3MI | -lz |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Band | width(MHz) |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM |
| 20643 | 848.3 | 1.317 | 1.323 | 20635 | 847.5 | 3.087 | 3.103 |

| | Channel Ban | dwidth: 5M | Hz | C | hannel Ban | dwidth: 10M | Hz |
|---------|-------------------------|------------|--------------|---------|------------|-------------|------------|
| Channel | Frequency | 99% Band | width (MHz) | Channel | Frequency | 99% Bandy | width(MHz) |
| | (MHz) | QPSK | 16QAM | Charmer | (MHz) | QPSK | 16QAM |
| 20625 | 846.5 | 4.5082 | 4.5152 | 20600 | 844.0 | 9.0120 | 8.9948 |
| | Channel Bandwidth: 5MHz | | | C | hannel Ban | dwidth: 10M | Hz |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Band | width(MHz) |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM |
| 20625 | 846.5 | 5.055 | 5.087 | 20600 | 844.0 | 9.958 | 9.958 |



Low channel:

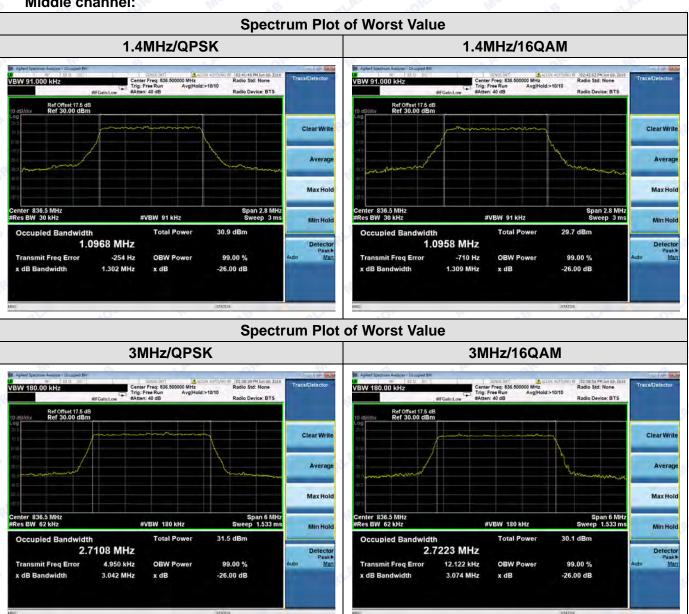




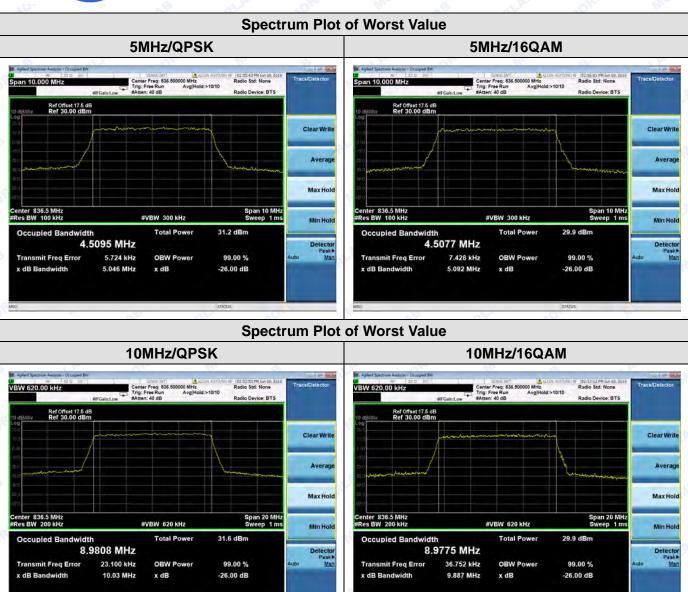




Middle channel:





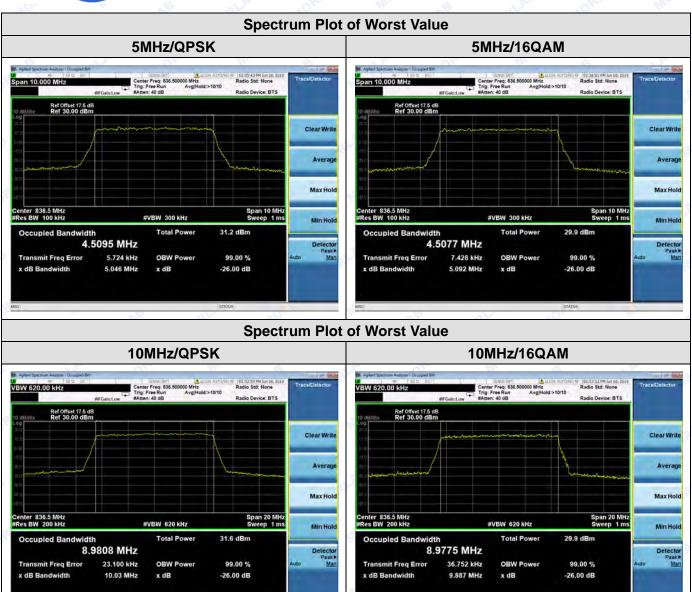




High channel:









LTE Band 17 Low channel:

| | Channel Ban | dwidth: 5M | Hz | C | hannel Ban | dwidth: 10M | Hz |
|---------|-------------|------------|--------------|---------|------------|-------------------|------------|
| Channel | Frequency | 99% Band | width (MHz) | Channal | Frequency | 99% Bandwidth(MHz | |
| | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM |
| 23755 | 706.5 | 4.5279 | 4.5259 | 23780 | 709.0 | 8.9565 | 8.9638 |
| | Channel Ban | dwidth: 5M | Hz | C | hannel Ban | dwidth: 10M | Hz |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Band | width(MHz) |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM |
| 23755 | 706.5 | 5.137 | 5.086 | 23780 | 709.0 | 9.814 | 9.855 |

Middle channel:

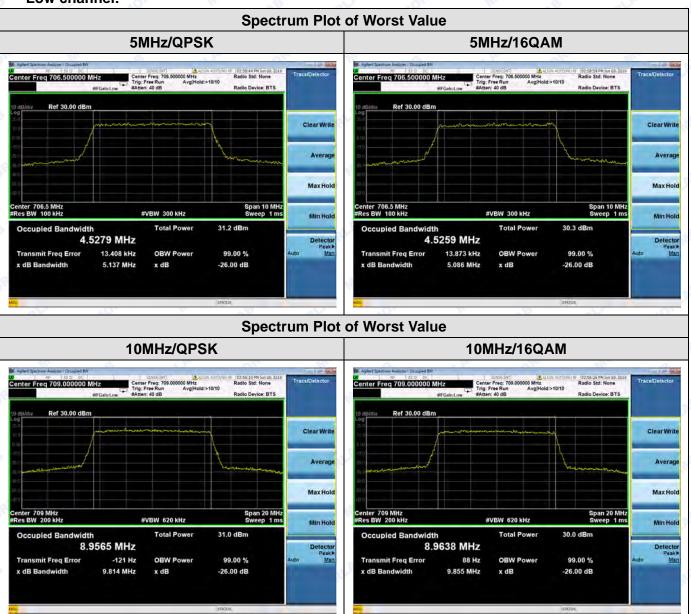
| | | | | | 7O. | | |
|---------|-------------|------------|--------------|---------|-------------|-------------------|------------|
| | Channel Ban | dwidth: 5M | Hz | C | Channel Ban | dwidth: 10M | Hz |
| Channal | Frequency | 99% Band | width (MHz) | Channal | Frequency | 99% Bandwidth(MHz | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM |
| 23790 | 710 | 4.5172 | 4.5253 | 23790 | 710 | 8.9762 | 8.9924 |
| | Channel Ban | dwidth: 5M | Hz | C | Channel Ban | dwidth: 10M | Hz |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Band | width(MHz) |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM |
| 23790 | 710 | 5.068 | 5.144 | 23790 | 710 | 9.975 | 9.835 |

High channel:

| | | | | | | AV | 412 | |
|---------|-------------|-------------|--------------|---------|------------|---------------------|------------|--|
| | Channel Ban | dwidth: 5Ml | Hz | C | hannel Ban | dwidth: 10N | lHz | |
| Channal | Frequency | 99% Band | width (MHz) | Channal | Frequency | 99% Band | width(MHz) | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | |
| 23825 | 713.5 | 4.5353 | 4.5185 | 23800 | 711 | 8.9824 | 9.0088 | |
| | Channel Ban | dwidth: 5Ml | Hz | C | hannel Ban | dwidth: 10N | lHz | |
| Channel | Frequency | 26dB Band | lwidth (MHz) | Channel | Frequency | 26dB Bandwidth(MHz) | | |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM | |
| 23825 | 713.5 | 5.035 | 5.078 | 23800 | 711 | 9.891 | 9.859 | |



Low channel:





Middle channel:





High channel:





2.3 Frequency Stability

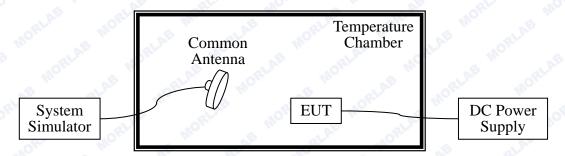
2.3.1 Requirement

According to FCC section 2.1055 and FCC section 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

2.3.2 Test Description

Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|------------------------|---------------------------|------------|----------------------------|------------|------------|
| System Simulator | Rohde& Schwarz | CMW500 | 1201.0002k5 0/124534/wk | 2016.03.02 | 2017.03.01 |
| DC Power Supply | Good Will | GPS-3030DD | EF920938 | 2016.03.02 | 2017.03.01 |
| Temperature Chamber | YinHe Experimental Equip. | HL4003T | (n.a.) | 2016.03.02 | 2017.03.01 |



2.3.3 Test Verdict

The nominal, highest and lowest extreme voltages are separately 3.8VDC, 4.2VDC and 3.45VDC, which are specified by the applicant; the normal temperature here used is 20°C. The frequency deviation limit is ±2.5ppm.

The testing was performed using one RB and Bandwidth setting for each band.

| LTE Band 2 | - QPSK - Channel | 18900 – Frequ | ency 1880.0MHz - | - RB 6/0 | | | | | |
|--------------------------------|------------------|---------------|------------------|----------|--|--|--|--|--|
| Limit: 1880.0MHz*1ppm=1880.0Hz | | | | | | | | | |
| Voltage (%) | Power (VDC) | Temp (°C) | Fre. Dev. (Hz) | Result | | | | | |
| 100 | NORTH INC. | -30 | 6.71 | INO. OF | | | | | |
| 100 | CLAB MO | -20 | -4.34 | | | | | | |
| 100 | MO. AB | -10 | -4.38 | | | | | | |
| 100 | A STORL | 0 0 | 5.08 | | | | | | |
| 100 | 3.8 | +10 | -1.01 | | | | | | |
| 100 | DRLE | +20 | 6.95 | PASS | | | | | |
| 100 | GLAS NO | +30 | 3.81 | | | | | | |
| 100 | MO1. OE III. | +40 | 6 | | | | | | |
| 100 | NB NORLE | +50 | -4.78 | | | | | | |
| 115 | 4.2 | +20 | -2.07 | | | | | | |
| 85 | 3.45 | +20 | -4.19 | | | | | | |

| Limit: 1732.5MHz*2.5ppm=4331.25Hz | | | | | | | | | |
|-----------------------------------|-------------|-----------|----------------|--------|--|--|--|--|--|
| Voltage (%) | Power (VDC) | Temp (°C) | Fre. Dev. (Hz) | Result | | | | | |
| 100 | ORLAN | -30 | 14.37 | | | | | | |
| 100 | , LAB | -20 | -7.85 | | | | | | |
| 100 | Moles | -10 | 11.64 | | | | | | |
| 100 | AB ORLAN | 0 | 13.55 | | | | | | |
| 100 | 3.8 | +10 | 12.37 | | | | | | |
| 100 | JRLAL MORL | +20 | 11.29 | PASS | | | | | |
| 100 | A.B. Of | +30 | -9.08 | | | | | | |
| 100 | MORIE G MC | +40 | -10.74 | | | | | | |
| 100 | A B ORLAN | +50 | 11.59 | | | | | | |
| 115 | 4.2 | +20 | 13.37 | | | | | | |
| 85 | 3.45 | +20 | 14.72 | | | | | | |



| LTE Band 5 – QPSK - Channel 20525 – Frequency 836.5MHz – RB 6/0 Limit: 836.5 MHz*2.5ppm=2091.25Hz | | | | | | | | |
|--|-------------|-----------|----------------|--------|--|--|--|--|
| Voltage (%) | Power (VDC) | Temp (°C) | Fre. Dev. (Hz) | Result | | | | |
| 100 | ORLE MOR | -30 | 9.84 | Mole | | | | |
| 100 | LAB | -20 | -12.38 | | | | | |
| 100 | MOET B ME | -10 | 7.11 | | | | | |
| 100 | B ORLAN | 0 | 9.02 | | | | | |
| 100 | 3.8 | +10 | -14.04 | | | | | |
| 100 | RIAL MORE | +20 | 6.76 | PASS | | | | |
| 100 | N AB | +30 | -13.61 | | | | | |
| 100 | MORE HE | +40 | 8.11 | | | | | |
| 100 | B ORLAN | +50 | 7.06 | | | | | |
| 115 | 4.2 | +20 | 8.84 | | | | | |
| 85 | 3.45 | +20 | -16.39 | | | | | |

| TE Band 17 – QPSK - Channel 23790 – Frequency 710MHz – RB 25/0 Limit: 710MHz*2.5ppm=1775Hz | | | | | | | | |
|---|-------------|-----------|----------------|--------|--|--|--|--|
| Voltage (%) | Power (VDC) | Temp (°C) | Fre. Dev. (Hz) | Result | | | | |
| 100 | N OB | -30 | 9.11 | QLA! | | | | |
| 100 | MORLE | -20 | 14.46 | | | | | |
| 100 | a RLAS | -10 | -8.33 | | | | | |
| 100 | MOL | 0 | 7.92 | | | | | |
| 100 | 3.8 | +10 | 9.77 | | | | | |
| 100 | Dr. VE W. | +20 | 8.68 | PASS | | | | |
| 100 | "OBT'" INO | +30 | -10.51 | | | | | |
| 100 | B M. CLAB | +40 | 9.17 | | | | | |
| 100 | MOL | +50 | 11.06 | | | | | |
| 115 | 4.2 | +20 | 12.35 | | | | | |
| 85 | 3.45 | +20 | 12.42 | | | | | |



2.4 Peak to Average Radio

2.4.1 Requirement

According to FCC section 27.50(d) (5), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2 Test Description

See section 2.1.2 of this report.

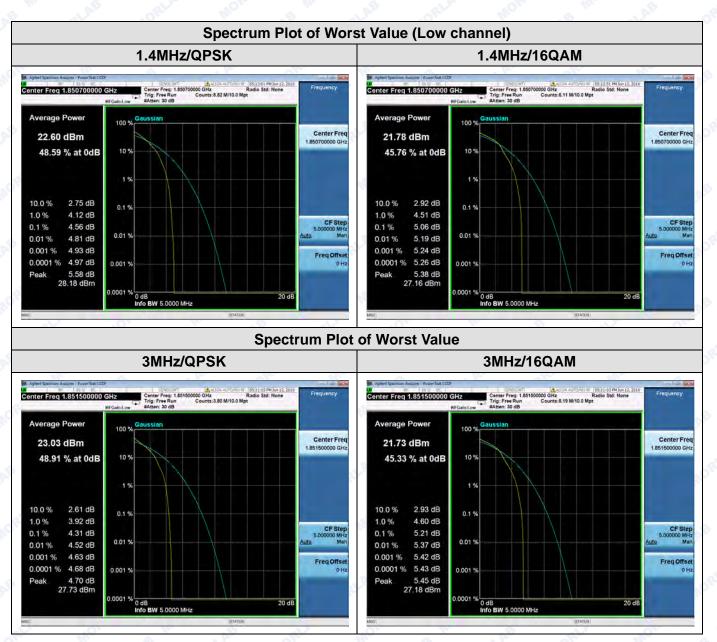
2.4.3 Test Result

Record the maximum PAPR level associated with a probability of 0.1%.



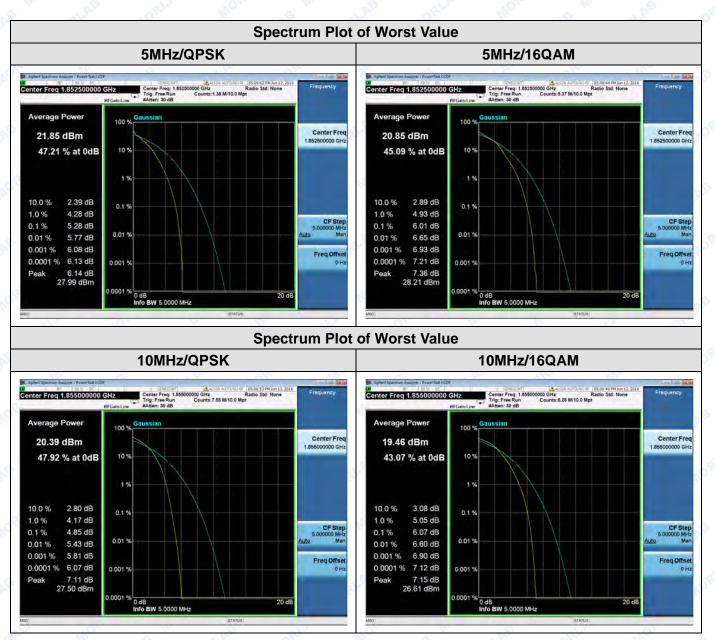


| LTE Band 2 Low channel | | | | | | | |
|------------------------|-----------------------------------|--------------|-----------------|---------|-----------|-------------|-----------------|
| | Channel Ba | ndwidth: 1.4 | MHz | | Channel B | andwidth: 3 | ИHz |
| Channel | Channel Frequency Peak to Average | | rage Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM |
| 18607 | 1850.7 | 4.56 | 5.06 | 18615 | 1851.5 | 4.31 | 5.21 |



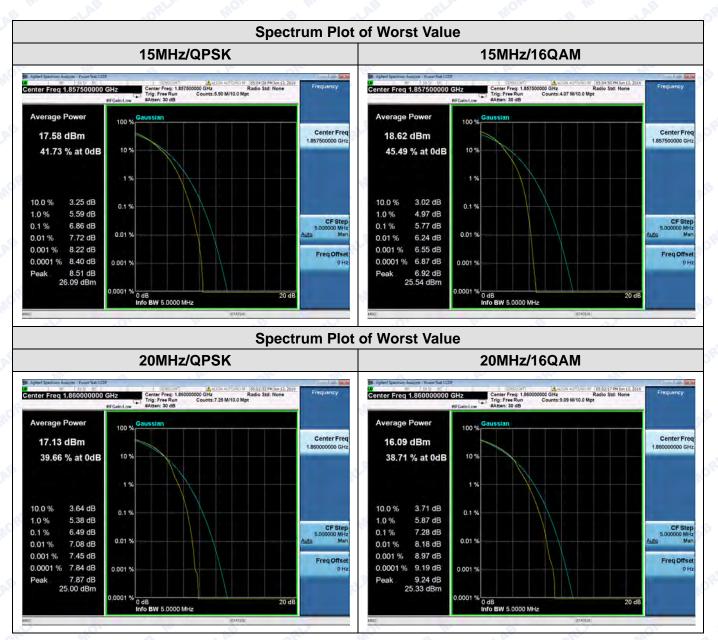


| | LTE Band 2 Low channel | | | | | | | | | | |
|--|------------------------|---------------|----------------|---------|-----------|---------------|----------------|--|--|--|--|
| Channel Bandwidth: 5MHz Channel Bandwidth: 10MHz | | | | | | | Hz | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Avera | ige Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | | |
| 18625 | 1852.5 | 5.28 | 6.01 | 18650 | 1855.0 | 4.85 | 6.07 | | | | |



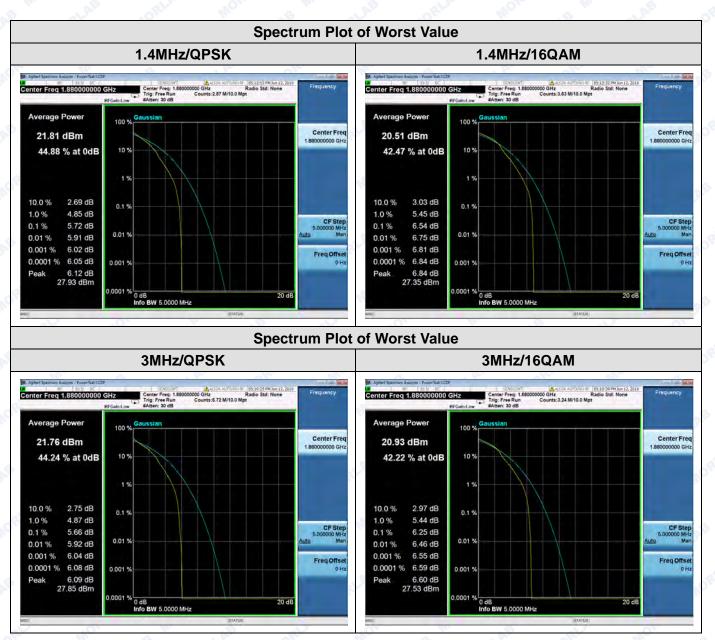


| | LTE Band 2 Low channel | | | | | | | | | |
|---|------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|
| Channel Bandwidth: 15MHz Channel Bandwidth: 20MHz | | | | | | | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | |
| 18675 | 1857.5 | 6.86 | 5.77 | 18700 | 1860.0 | 6.49 | 7.28 | | | |



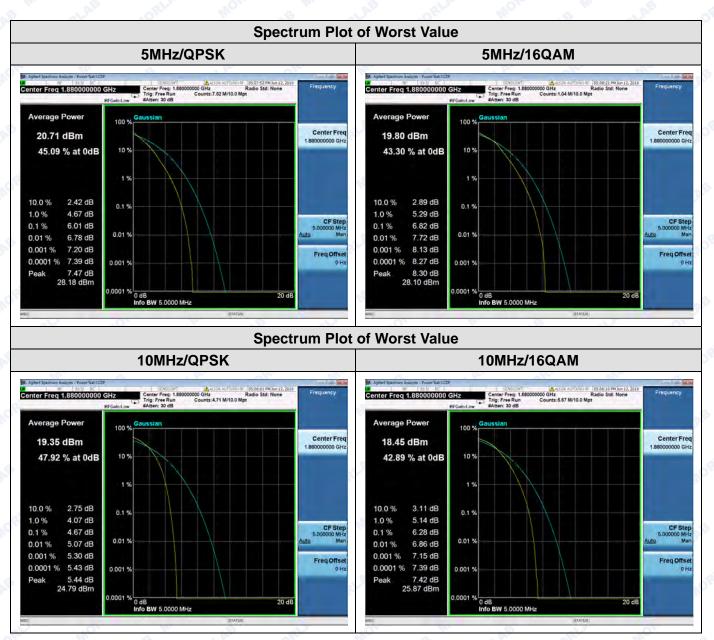


| | LTE Band 2 Middle channel | | | | | | | | | | |
|---|---------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|--|
| Channel Bandwidth: 1.4MHz Channel Bandwidth: 3MHz | | | | | | | | | | | |
| Ohamal | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | | |
| 18900 | 1880.0 | 5.72 | 6.54 | 18900 | 1880.0 | 5.66 | 6.25 | | | | |



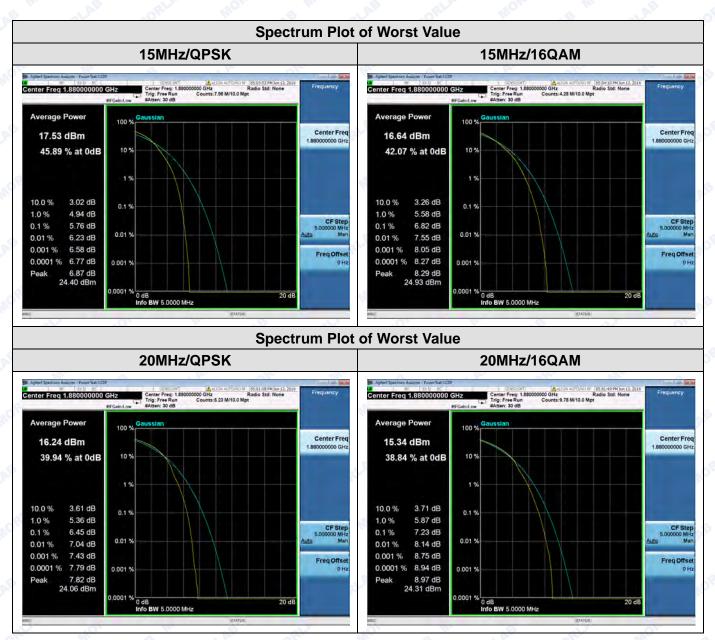


| | LTE Band 2 Middle channel | | | | | | | | | |
|--|---------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|
| Channel Bandwidth: 5MHz Channel Bandwidth: 10MHz | | | | | | | MHz | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | |
| 18900 | 1880.0 | 6.01 | 6.82 | 18900 | 1880.0 | 4.67 | 6.28 | | | |



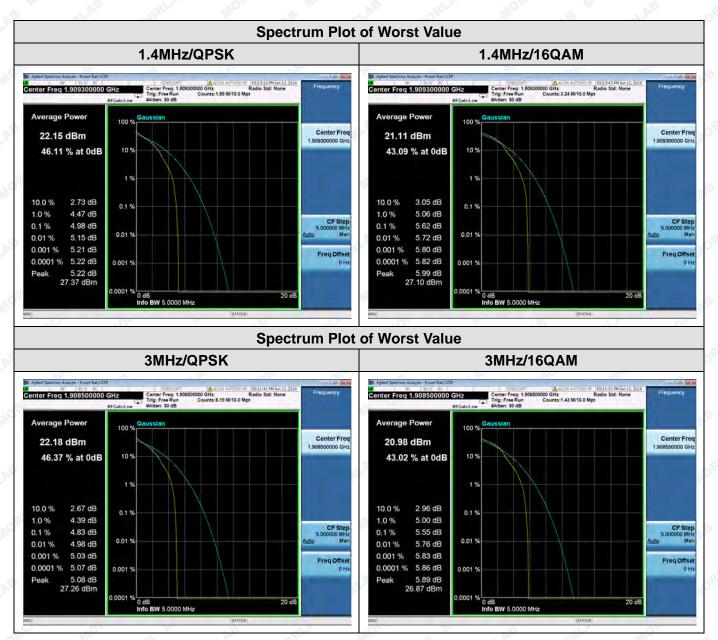


| | LTE Band 2 Middle channel | | | | | | | | | |
|---|---------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|
| Channel Bandwidth: 15MHz Channel Bandwidth: 20MHz | | | | | | | | | | |
| Ch ann al | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM Channel | | (MHz) | QPSK | 16QAM | | | |
| 18900 | 1880.0 | 5.76 | 6.82 | 18900 | 1880.0 | 6.45 | 7.23 | | | |



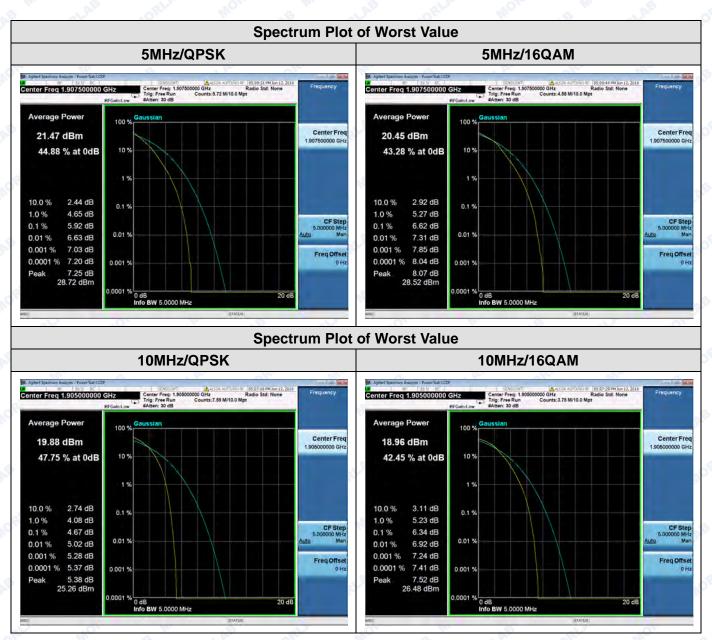


| | LTE Band 2 High channel | | | | | | | | | | |
|---------|-------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|--|
| | Channel Ba | ndwidth: 1.4 | ИHz | | Channel B | andwidth: 3 | ИНz | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | | |
| 19193 | 1909.3 | 4.98 | 5.62 | 19185 | 1908.5 | 4.83 | 5.55 | | | | |



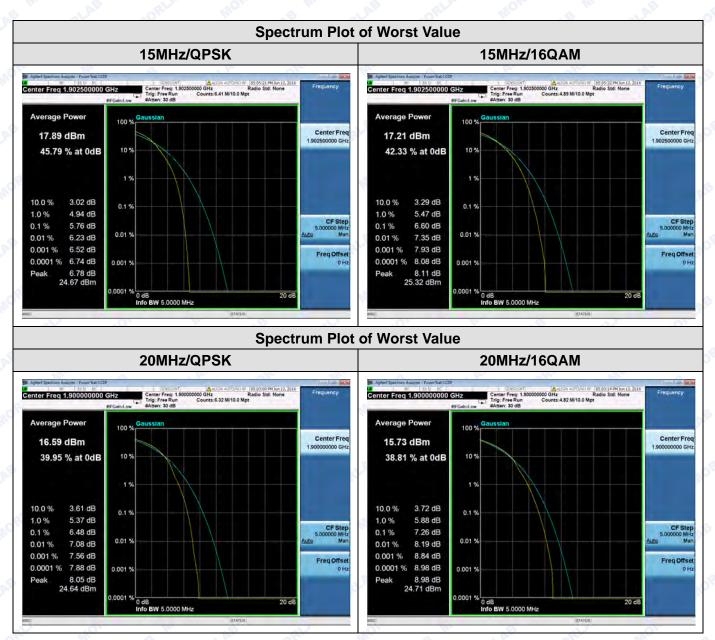


| | LTE Band 2 High channel | | | | | | | | | |
|-------------------------|-------------------------|---------------|----------------|--------------------------|-----------|-------------|-----------------|--|--|--|
| Channel Bandwidth: 5MHz | | | | Channel Bandwidth: 10MHz | | | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | |
| 19175 | 1907.5 | 5.92 | 6.62 | 19150 | 1905.0 | 4.67 | 6.34 | | | |



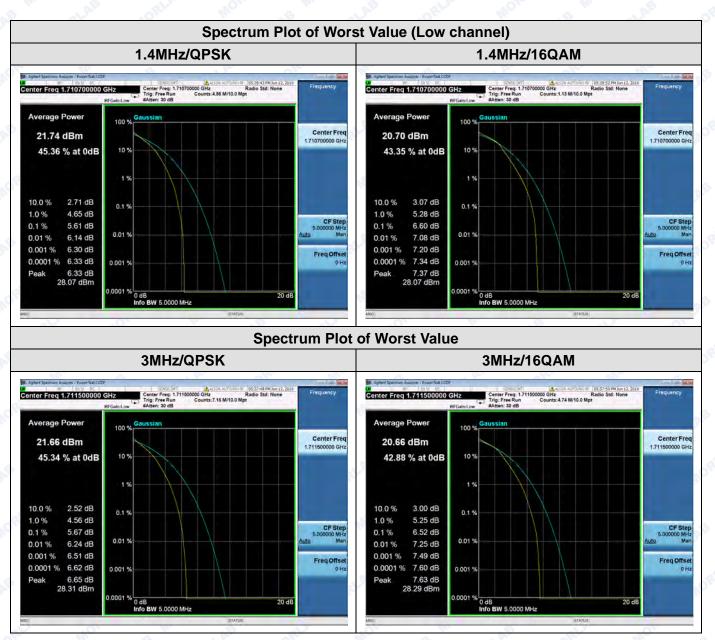


| | LTE Band 2 High channel | | | | | | | | | |
|---|-------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|
| Channel Bandwidth: 15MHz Channel Bandwidth: 20MHz | | | | | | | | | | |
| Ch a a a a l | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | |
| 19125 | 1902.5 | 5.76 | 6.60 | 19100 | 1900.0 | 6.48 | 7.26 | | | |



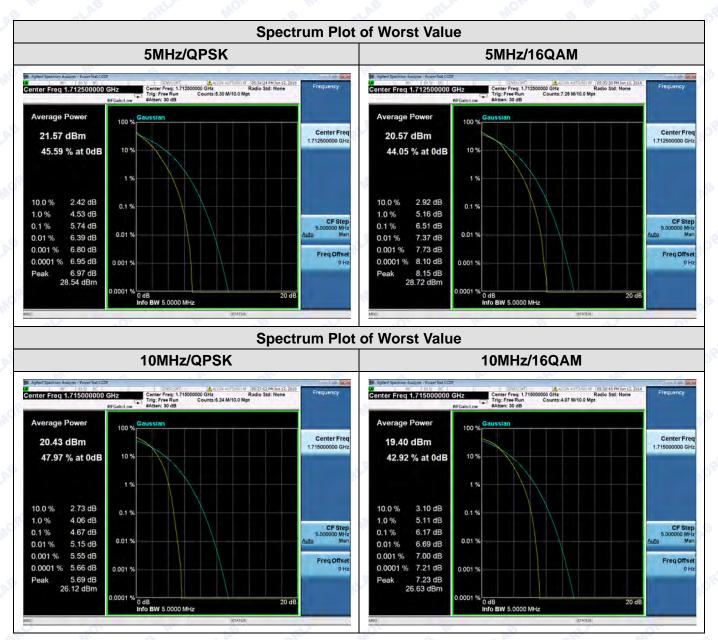


| | LTE Band 4 Low channel | | | | | | | | | | |
|---------|------------------------|--------------|-----------------|-------------------------|-----------|-------------|-----------------|--|--|--|--|
| | Channel Ba | ndwidth: 1.4 | MHz | Channel Bandwidth: 3MHz | | | | | | | |
| Channel | Frequency | Peak to Ave | rage Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | | |
| 19957 | 1710.7 | 5.61 | 6.60 | 19965 | 1711.5 | 5.67 | 6.52 | | | | |



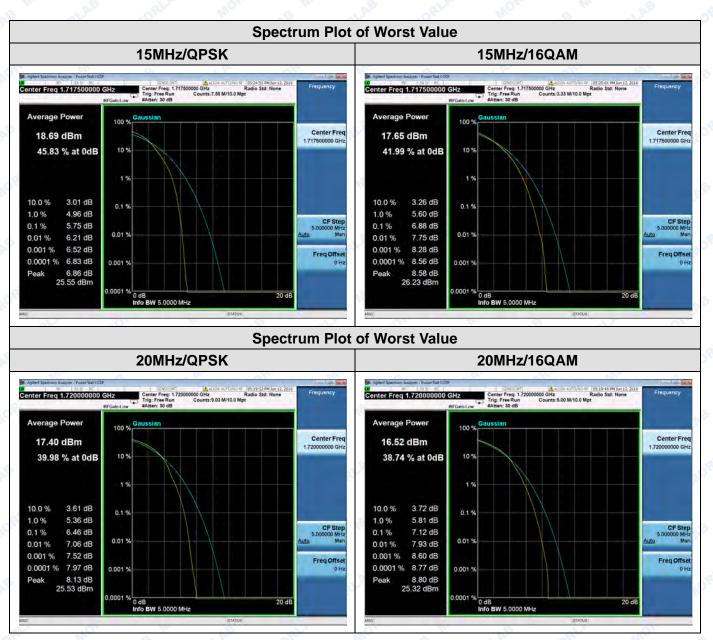


| | LTE Band 4 Low channel | | | | | | | | | | |
|---------|------------------------|------------|-------------------|--------------------------|-----------|-------------|-----------------|--|--|--|--|
| | Channel B | andwidth: | 5MHz | Channel Bandwidth: 10MHz | | | | | | | |
| 01 | Frequency | Peak to Av | rerage Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | QPSK 16QAM | | (MHz) | QPSK | 16QAM | | | | |
| 19975 | 1712.5 | 5.74 | 6.51 | 20000 | 1715.0 | 4.67 | 6.17 | | | | |



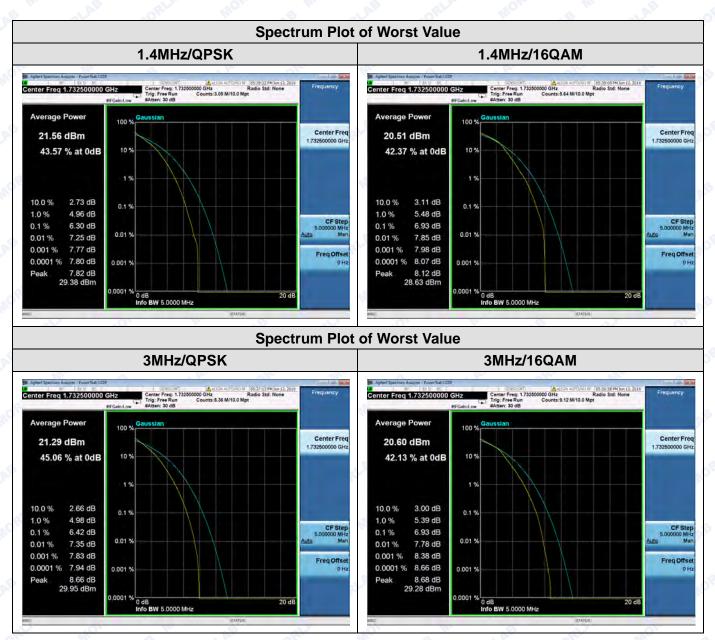


| | LTE Band 4 Low channel | | | | | | | | | |
|---------|------------------------|---------------|----------------|--------------------------|-----------|-------------|-----------------|--|--|--|
| | Channel Ba | andwidth: 15N | ЛНz | Channel Bandwidth: 20MHz | | | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | |
| 20025 | 1717.5 | 5.75 | 6.88 | 20050 | 1720.0 | 6.46 | 7.12 | | | |



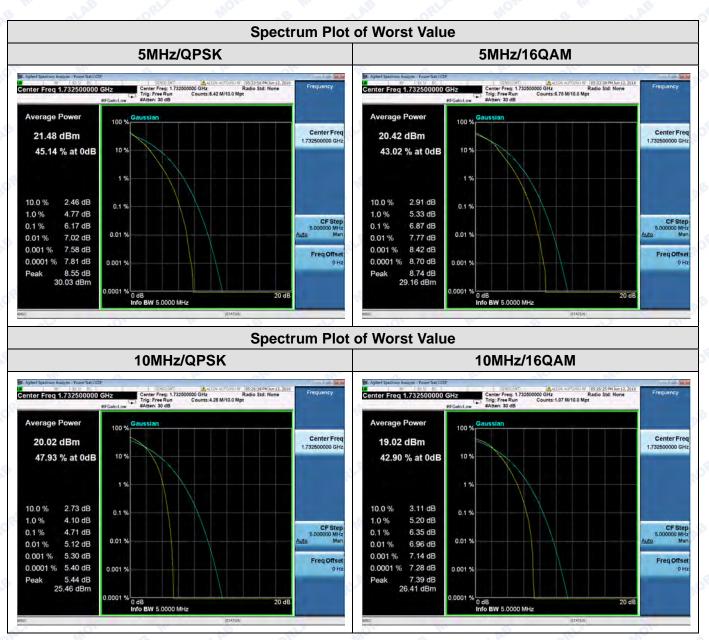


| | LTE Band 4 Middle channel | | | | | | | | | | |
|---|---------------------------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|--|--|
| Channel Bandwidth: 1.4MHz Channel Bandwidth: 3MHz | | | | | | | | | | | |
| Ohamal | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | | | |
| Channel | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | | | |
| 20175 | 1732.5 | 6.30 | 6.93 | 20175 | 1732.5 | 6.42 | 6.93 | | | | |



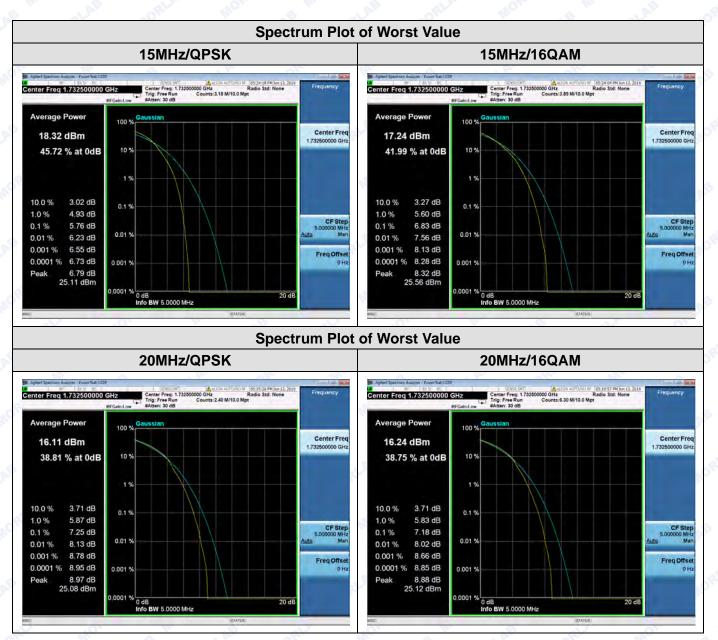


| LTE Band 4 Middle channel | | | | | | | | | |
|--|-----------|----------------------------|-------|---------|-----------|----------------------------|-------|--|--|
| Channel Bandwidth: 5MHz Channel Bandwidth: 10MHz | | | | | | | MHz | | |
| Channel | Frequency | Peak to Average Ratio (dB) | | Channal | Frequency | Peak to Average Ratio (dB) | | | |
| | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | |
| 20175 | 1732.5 | 6.17 | 6.87 | 20175 | 1732.5 | 4.71 | 6.35 | | |



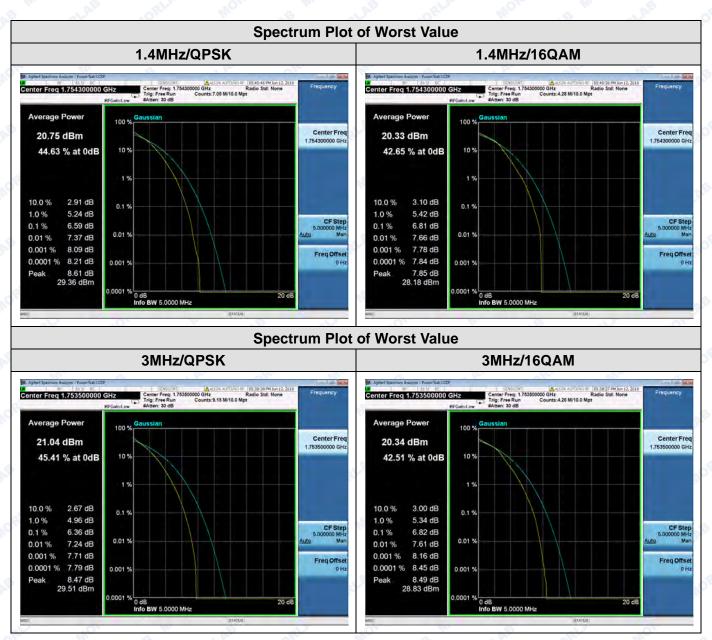


| LTE Band 4 Middle channel | | | | | | | | | |
|---------------------------|------------|---------------|----------------|--------------------------|-----------|-------------|-----------------|--|--|
| | Channel Ba | andwidth: 15N | ЛНz | Channel Bandwidth: 20MHz | | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM | | |
| 20175 | 1732.5 | 5.76 | 6.83 | 20175 | 1732.5 | 7.25 | 7.18 | | |



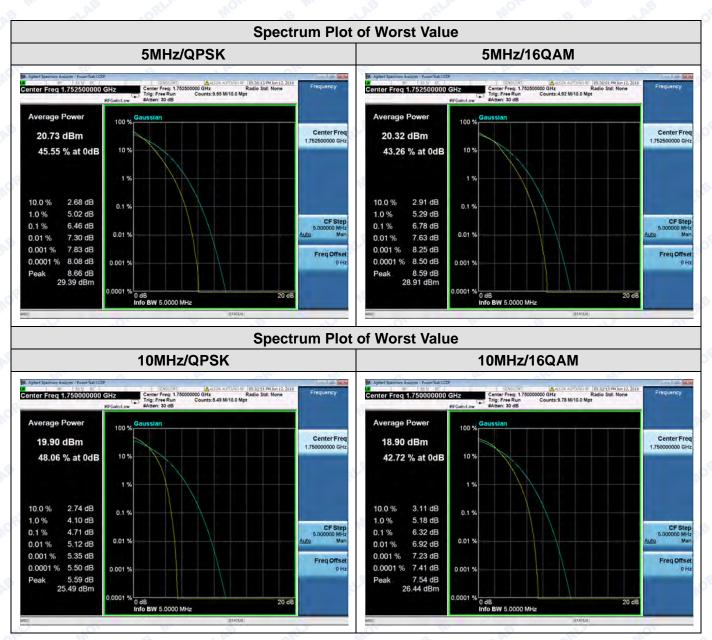


| LTE Band 4 High channel | | | | | | | | | |
|---|-----------|---------------|----------------|---------|-----------|----------------------------|-------|--|--|
| Channel Bandwidth: 1.4MHz Channel Bandwidth: 3MHz | | | | | | | ИHz | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Average Ratio (dB) | | | |
| | (MHz) | QPSK | 16QAM | Channel | (MHz) | QPSK | 16QAM | | |
| 20393 | 1754.3 | 6.59 | 6.81 | 20385 | 1753.5 | 6.36 | 6.82 | | |



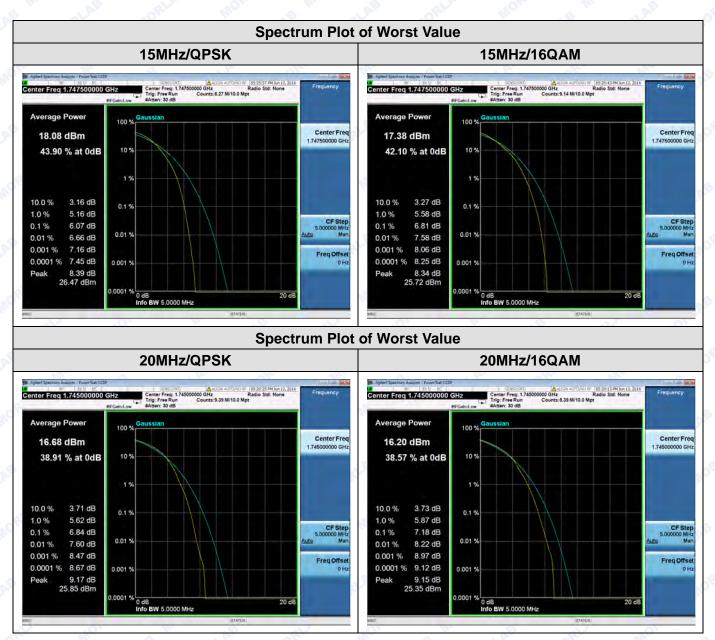


| LTE Band 4 High channel | | | | | | | | |
|-------------------------|-----------|---------------|----------------|--------------------------|-----------|--------------------------|-------|--|
| | Channel B | andwidth: 5M | Hz | Channel Bandwidth: 10MHz | | | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Average Ratio (d | | |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM | |
| 20375 | 1752.5 | 6.46 | 6.78 | 20350 | 1750.0 | 4.71 | 6.32 | |





| LTE Band 4 High channel | | | | | | | | | |
|---|-----------|---------------|----------------|---------|-----------|-------------|-----------------|--|--|
| Channel Bandwidth: 15MHz Channel Bandwidth: 20MHz | | | | | | | MHz | | |
| Channel | Frequency | Peak to Avera | age Ratio (dB) | Channel | Frequency | Peak to Ave | rage Ratio (dB) | | |
| | (MHz) | QPSK | 16QAM | | (MHz) | QPSK | 16QAM | | |
| 20325 | 1747.5 | 6.07 | 6.81 | 20300 | 1745.0 | 6.84 | 7.18 | | |





2.5 Conducted Spurious Emissions

2.5.1 Test Requirement

According to FCC section 2.1051 and 27.53(g), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

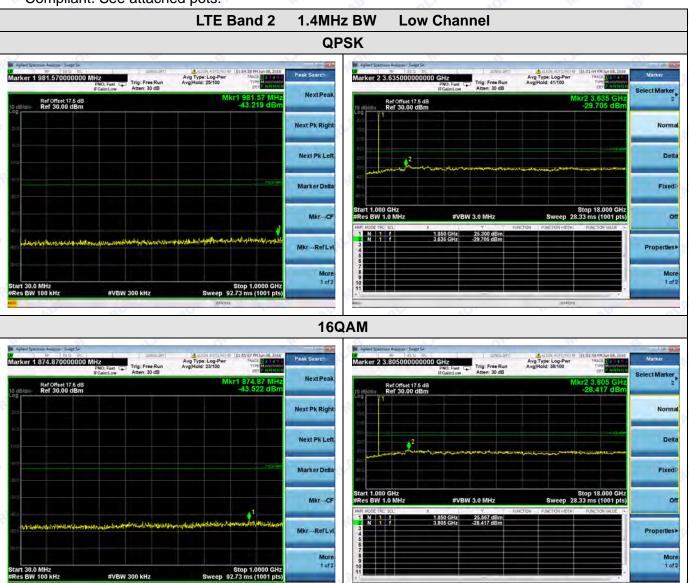
2.5.2 Test Procedure

See section 2.1.2 of this report.

Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

2.5.3 Test Result

Compliant. See attached pots.

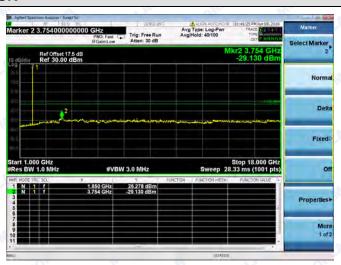




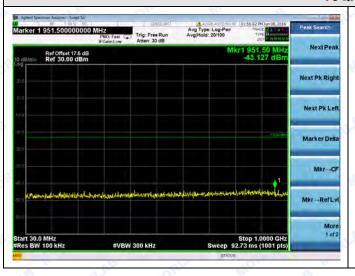
LTE Band 2 3MHz BW Low Channel

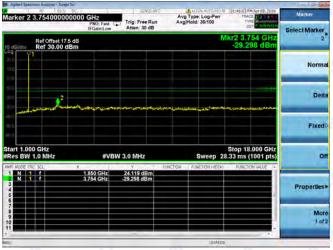
QPSK





16QAM



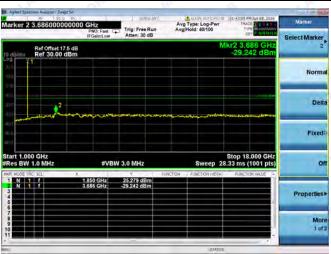




LTE Band 2 5MHz BW Low Channel

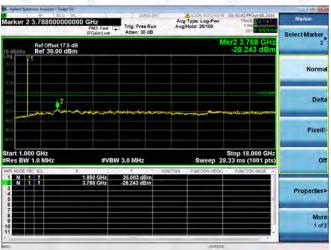
QPSK





16QAM







LTE Band 2 10MHz BW **Low Channel QPSK** Next Pk Righ Mkr-RefLv 16QAM Next Pk Righ Next Pk Lei Marker Delt



LTE Band 2 15MHz BW **Low Channel QPSK** Next Pk Righ Mkr-RefLv 16QAM Next Pk Righ Next Pk Lei Marker Delt



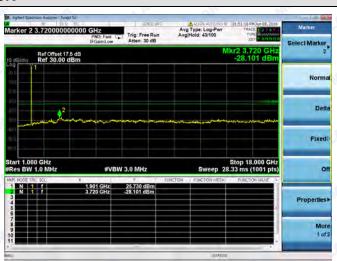


Middle channel:

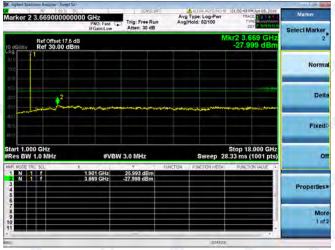
LTE Band 2 1.4MHz BW Mid Channel

QPSK







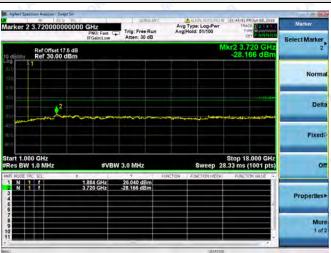




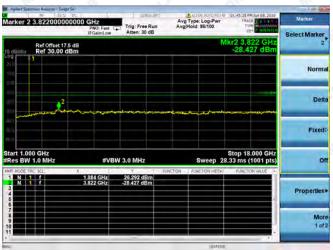
LTE Band 2 3MHz BW Mid Channel







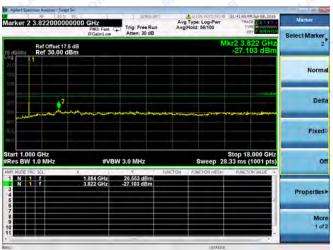




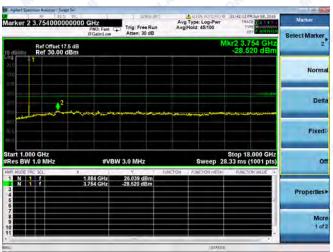


LTE Band 2 5MHz BW Mid Channel QPSK Avg Type Log-Per Avg Type Log-Per Avg Hold: 25100 Marker 1772.050000000 MHz Ref Offset 17.5 dB Ref 30.00 dBm Avg Type Log-Per Avg Hold: 25100 Marker 2.3.822 GHz Avg Type Log-Per Avg Hold: 25100 Marker 30.00 dBm Avg Type Log-Per Avg Type Log-Per Avg Hold: 25100 Marker 30.00 dBm Avg Type Log-Per Type Log-Per





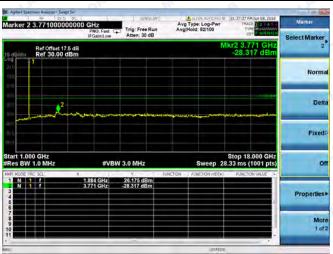




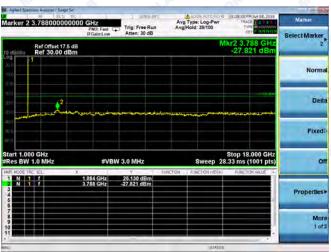


LTE Band 2 10MHz BW Mid Channel QPSK Applied Speatrum Analyses (Surge) 54 Marker 1 745-8300000000 MHz PROL First Carbon (1885) 22 1000 PROL First Carbon (1885) 22







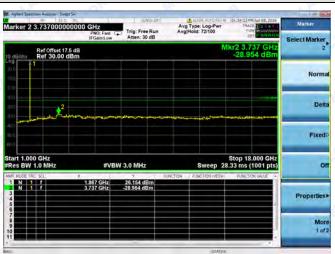


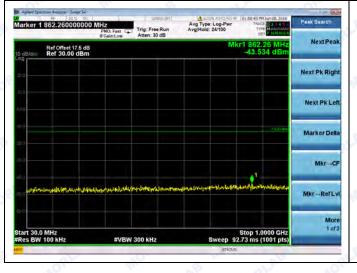


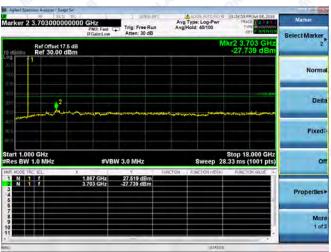
LTE Band 2 15MHz BW Mid Channel

QPSK











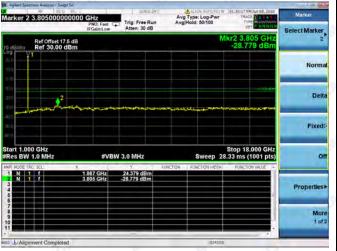
LTE Band 2 20MHz BW Mid Channel

QPSK







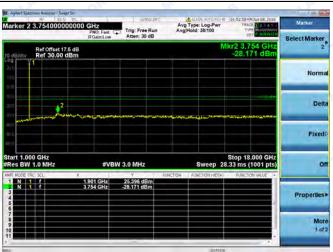




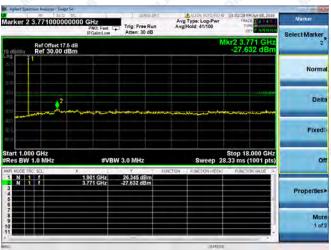
LTE Band 2 1.4MHz BW High Channel

QPSK







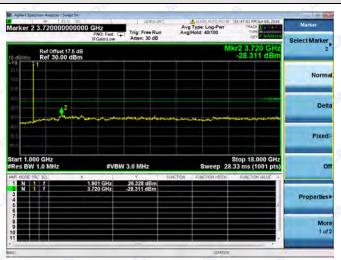


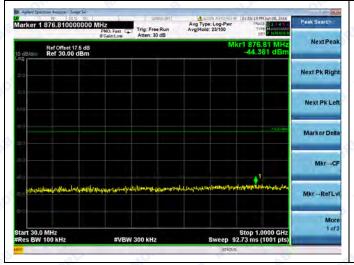


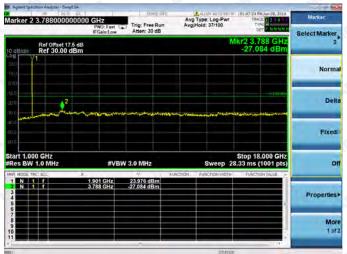
LTE Band 2 3MHz BW High Channel

QPSK



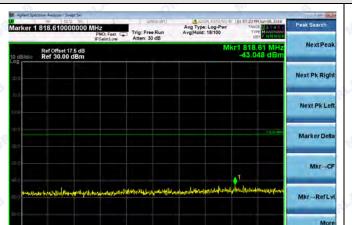


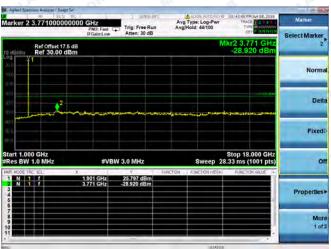


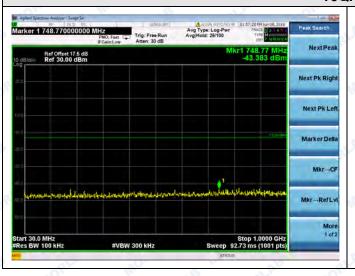


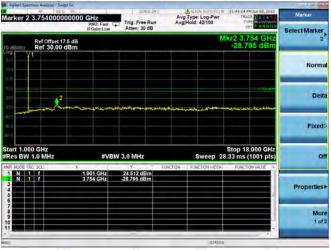


LTE Band 2 5MHz BW High Channel QPSK







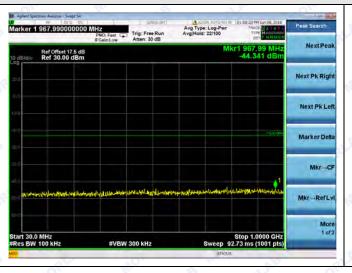


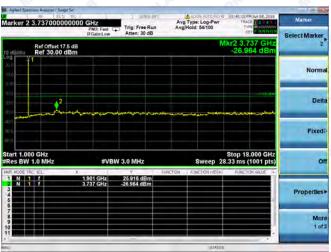


LTE Band 2 10MHz BW High Channel QPSK # Agreet Spectrum Anagent (Surger Sch ## Agre





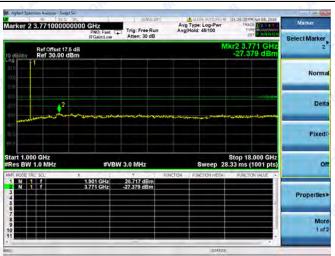


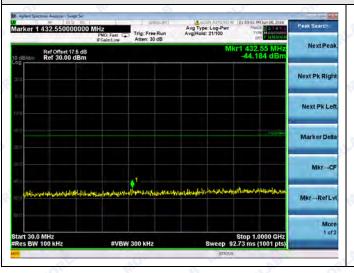


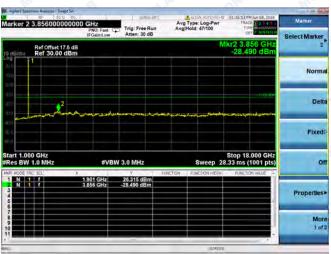


LTE Band 2 15MHz BW High Channel QPSK





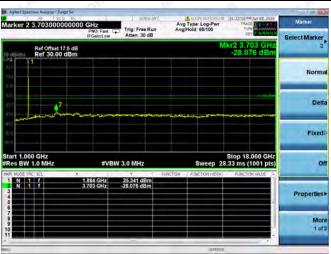






| Company | Comp

LTE Band 2



High Channel

16QAM

Mkr-RefLv

20MHz BW



