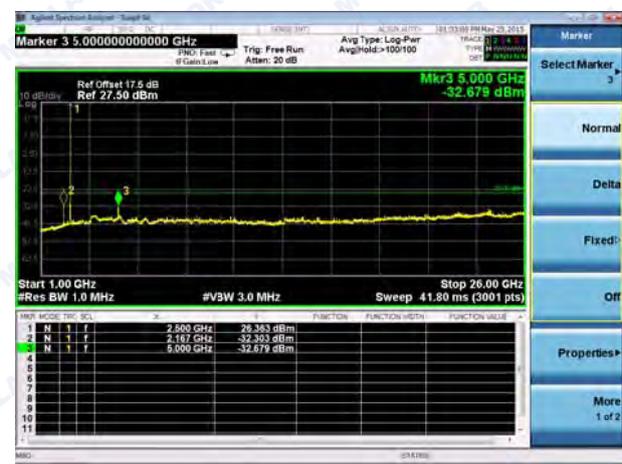


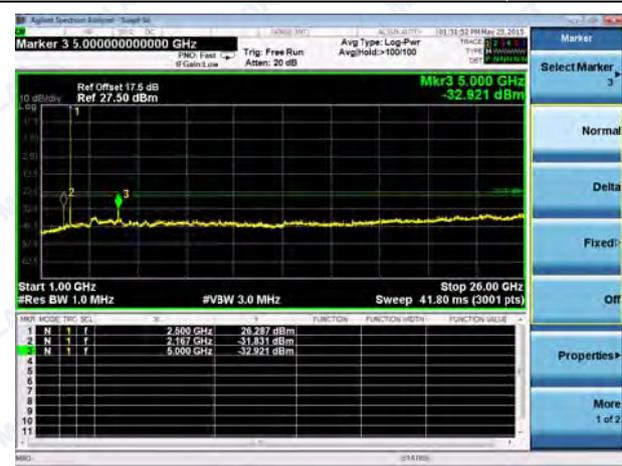
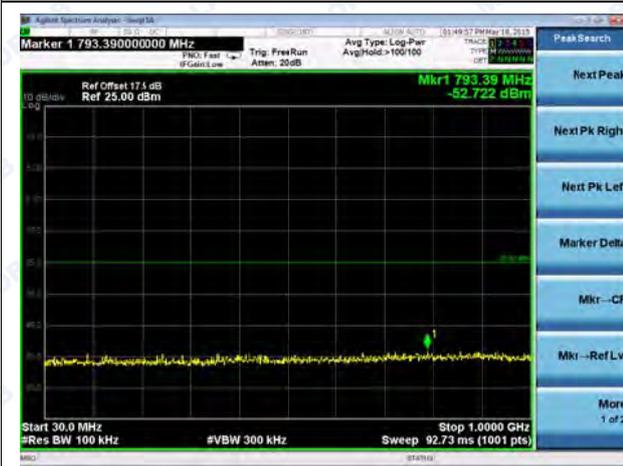


LTE Band 7 10MHz BW Low Channel

QPSK



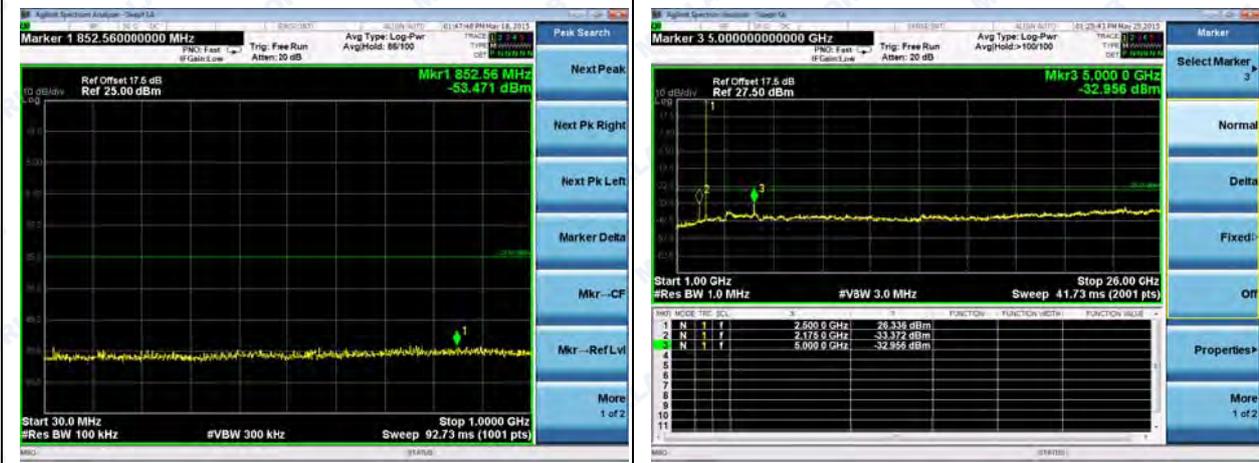
16QAM



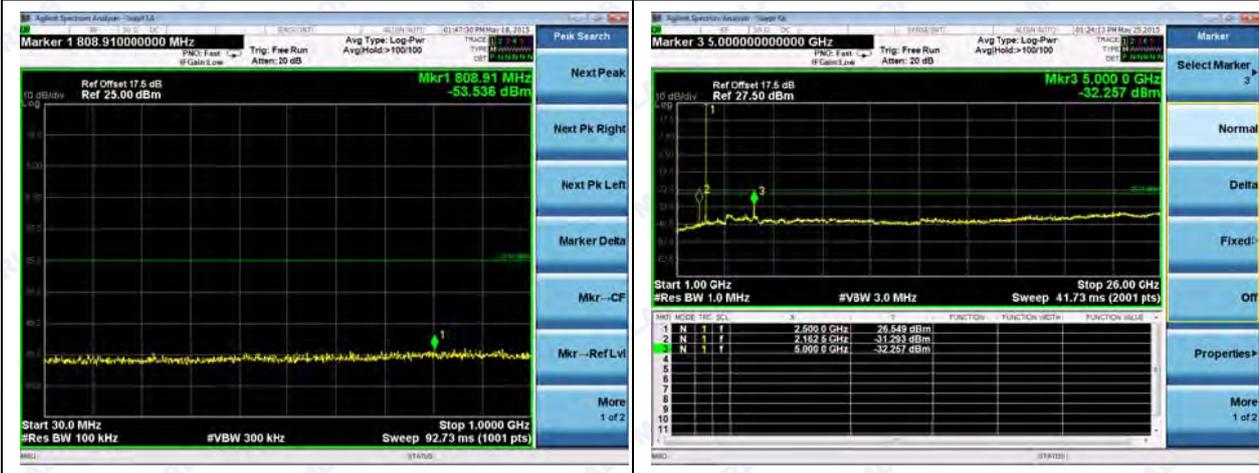


LTE Band 7 15MHz BW Low Channel

QPSK



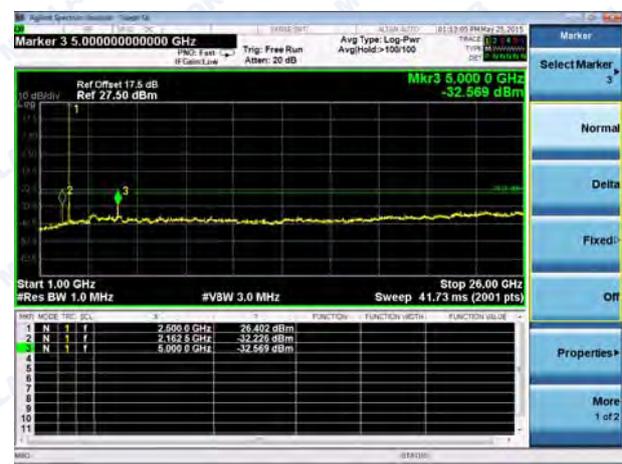
16QAM



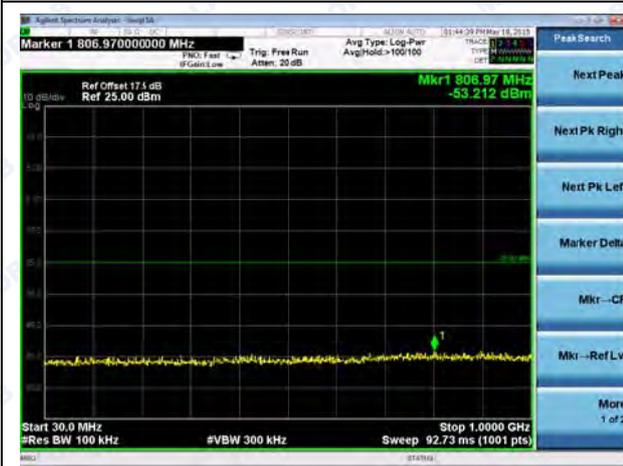


LTE Band 7 20MHz BW Low Channel

QPSK



16QAM





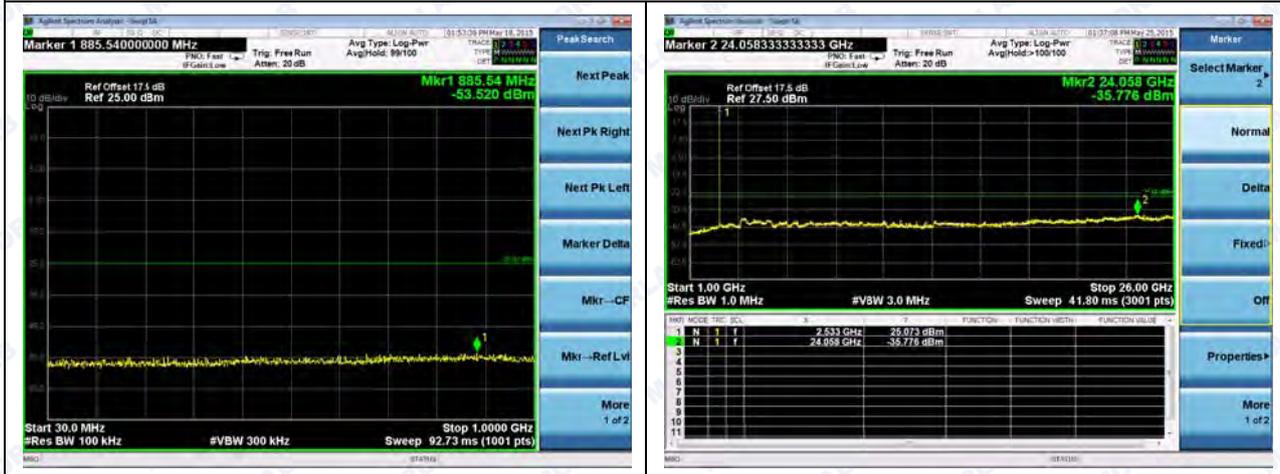
Middle channel:

LTE Band 7 5MHz BW Mid Channel

QPSK



16QAM



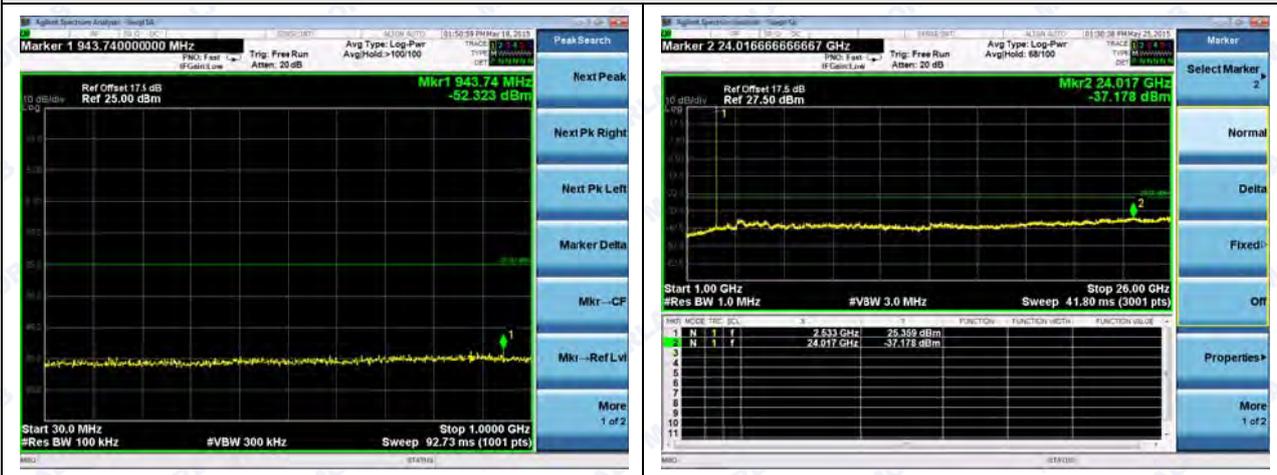


LTE Band 7 10MHz BW Mid Channel

QPSK



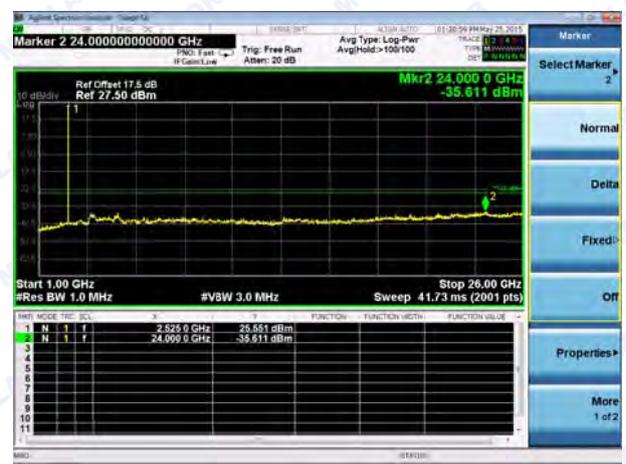
16QAM





LTE Band 7 15MHz BW Mid Channel

QPSK



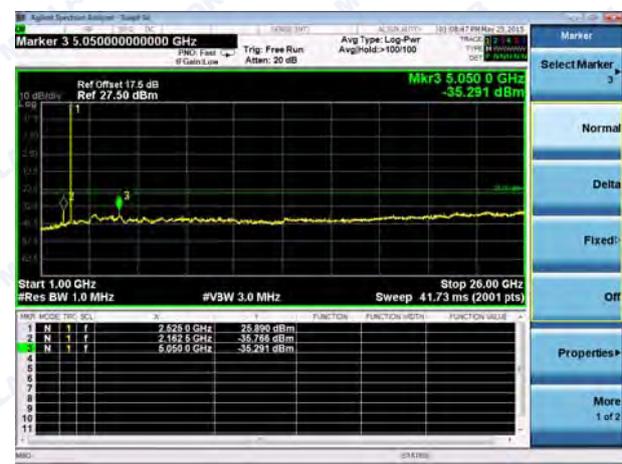
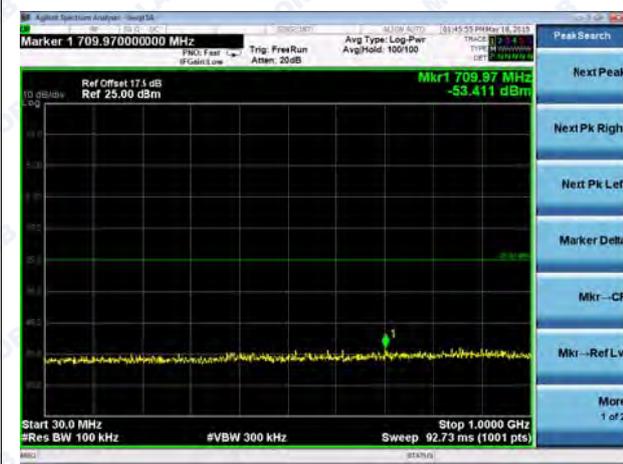
16QAM



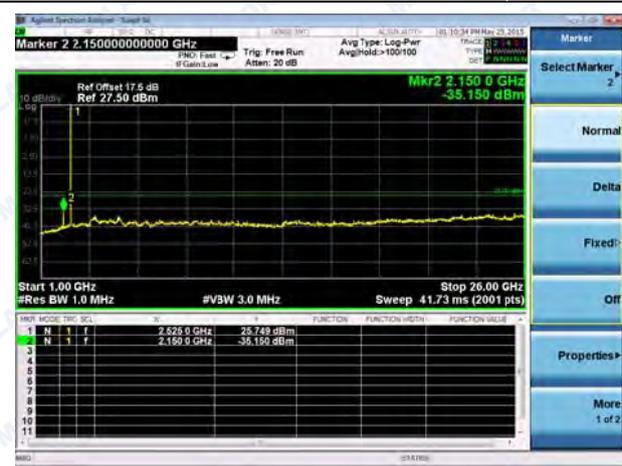
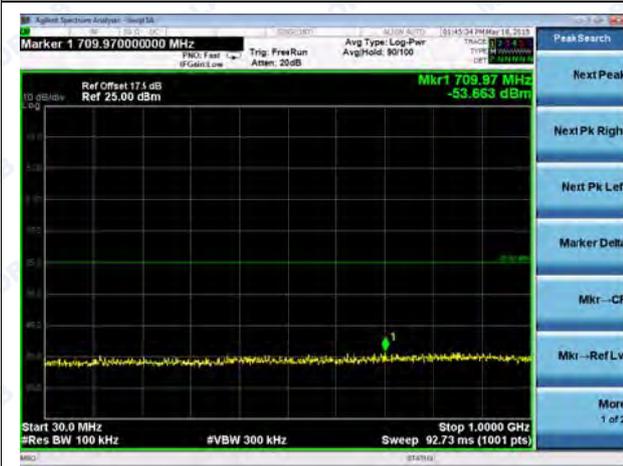


LTE Band 7 20MHz BW Mid Channel

QPSK



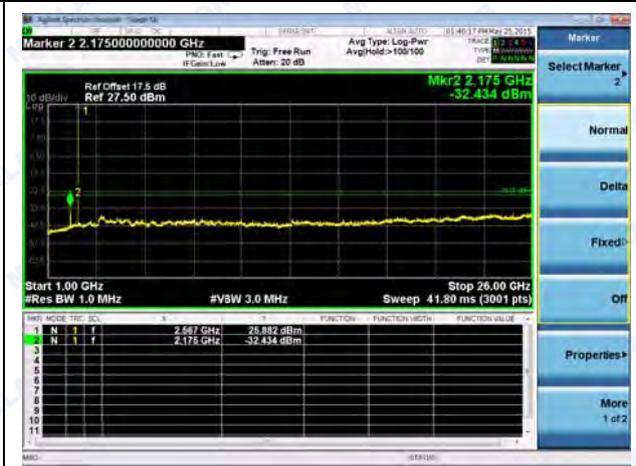
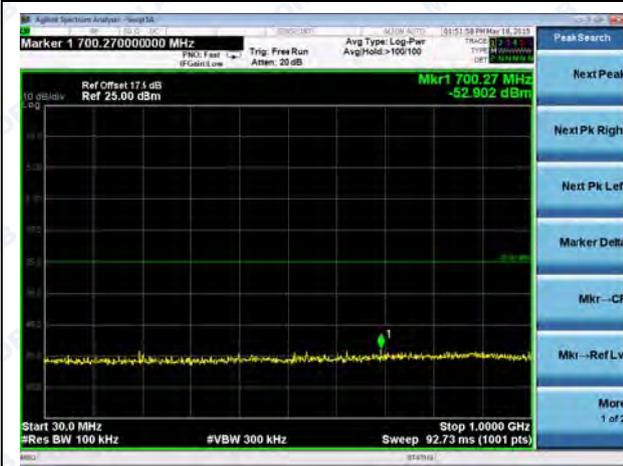
16QAM



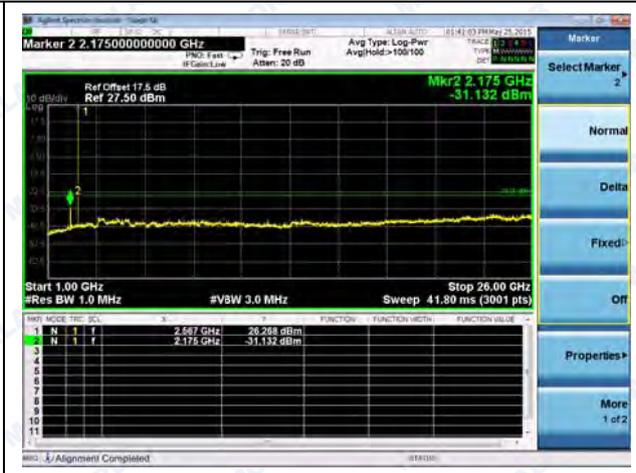


LTE Band 7 5MHz BW High Channel

QPSK



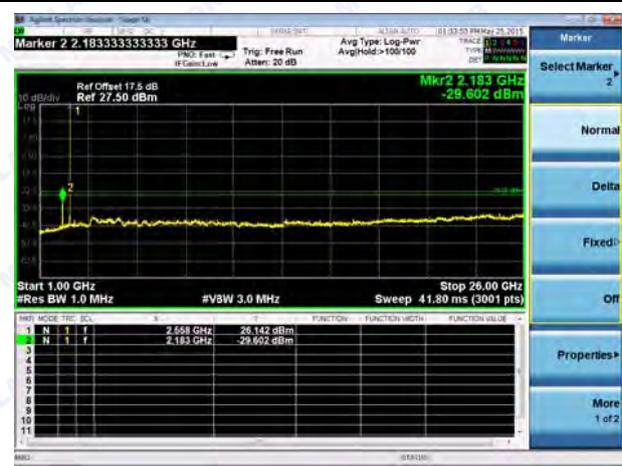
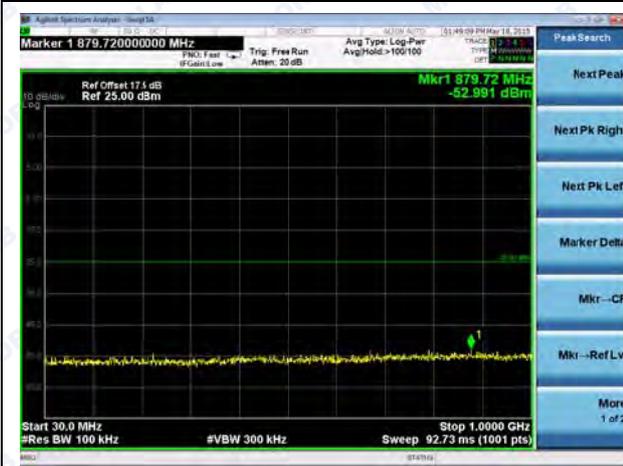
16QAM



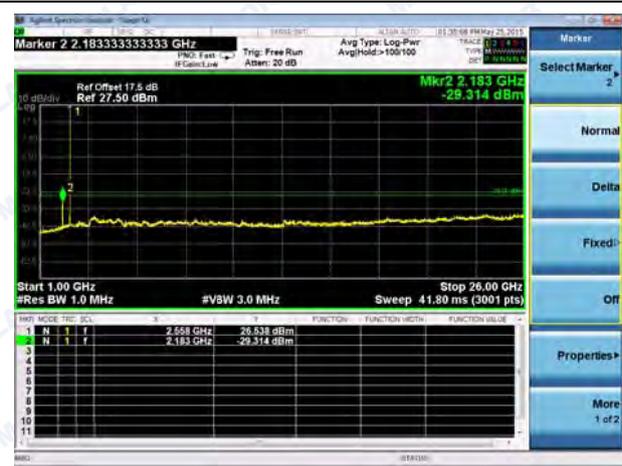


LTE Band 7 10MHz BW High Channel

QPSK



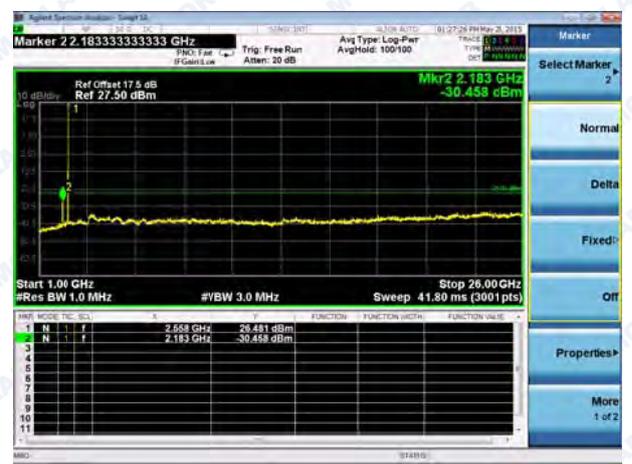
16QAM



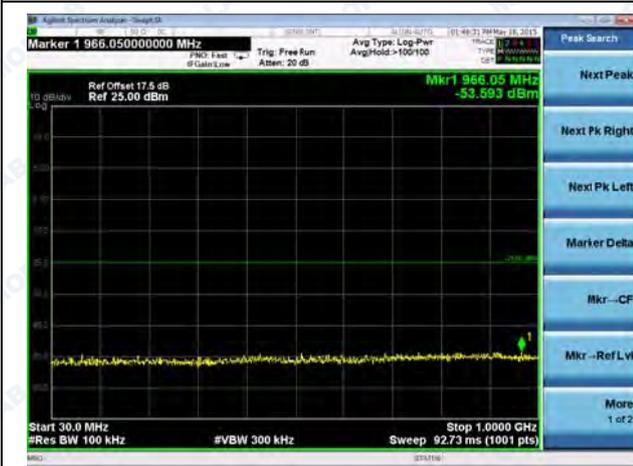


LTE Band 7 15MHz BW High Channel

QPSK



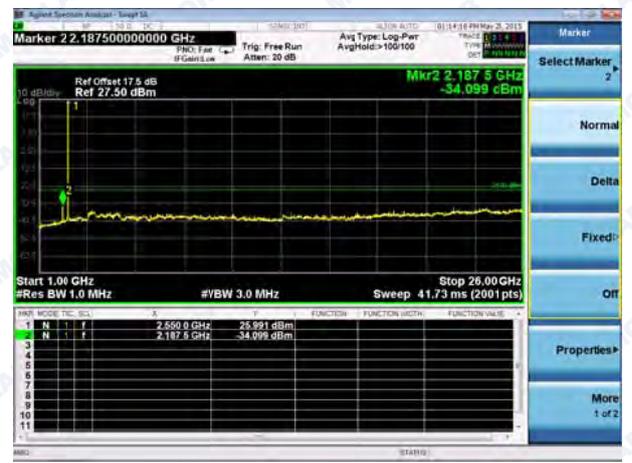
16QAM



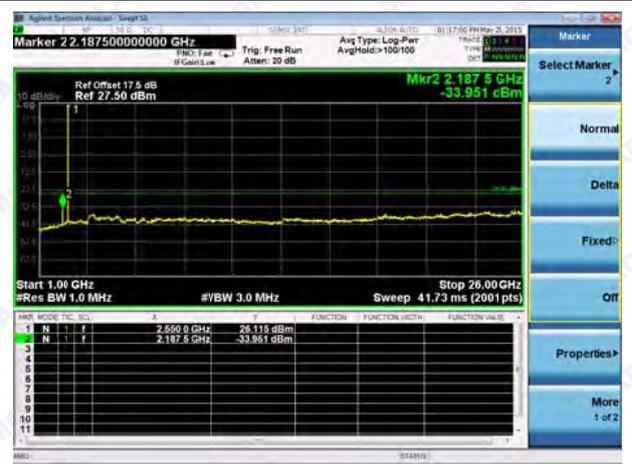


LTE Band 7 20MHz BW High Channel

QPSK



16QAM





2.6 Band Edge

2.6.1 Requirement

According to FCC section 27.53(g) (h), (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) For operations in the 1710–1755 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB.

2.6.2 Test Description

See section 2.1.2 of this report.

2.6.3 Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

PASS. See the attached plots.



LTE Band 2

Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 18607 | RB Size 1 | RB Offset 0 | Channel | 18607 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|



Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 19192 | RB Size 1 | RB Offset 5 | Channel | 19192 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|





LTE Band 2

Channel Bandwidth: 3MHz

| Channel | 18165 | RB Size 1 | RB Offset 0 | Channel | 18165 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| | | | | | | | |

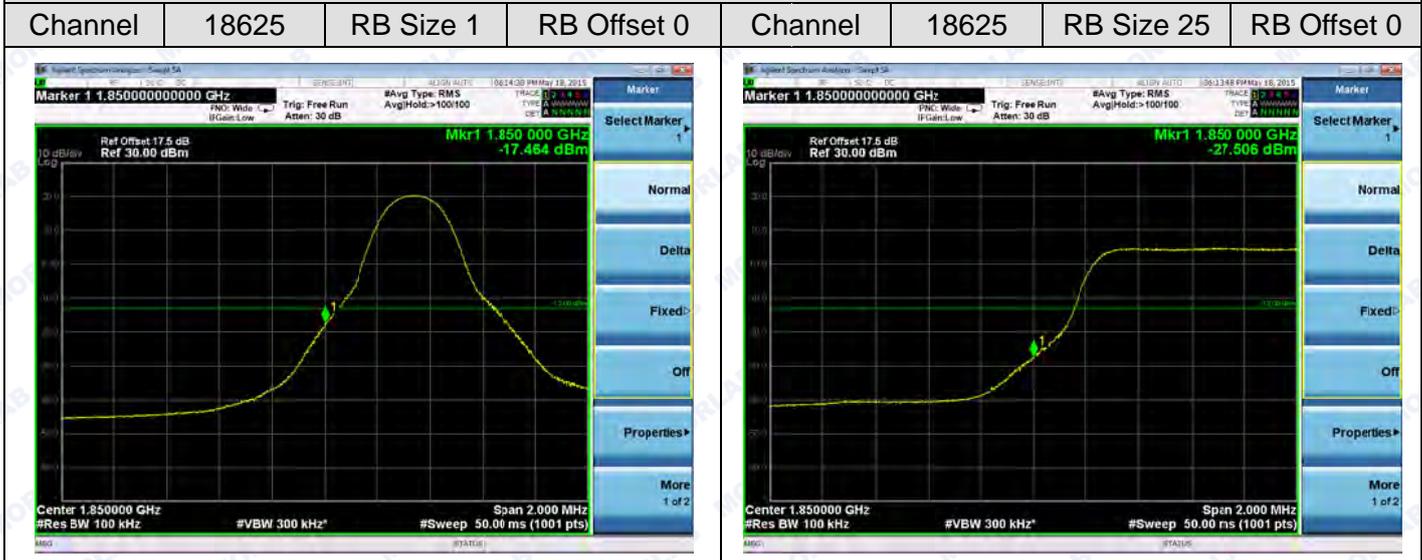
Channel Bandwidth: 3MHz

| Channel | 19184 | RB Size 1 | RB Offset 14 | Channel | 19184 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| | | | | | | | |

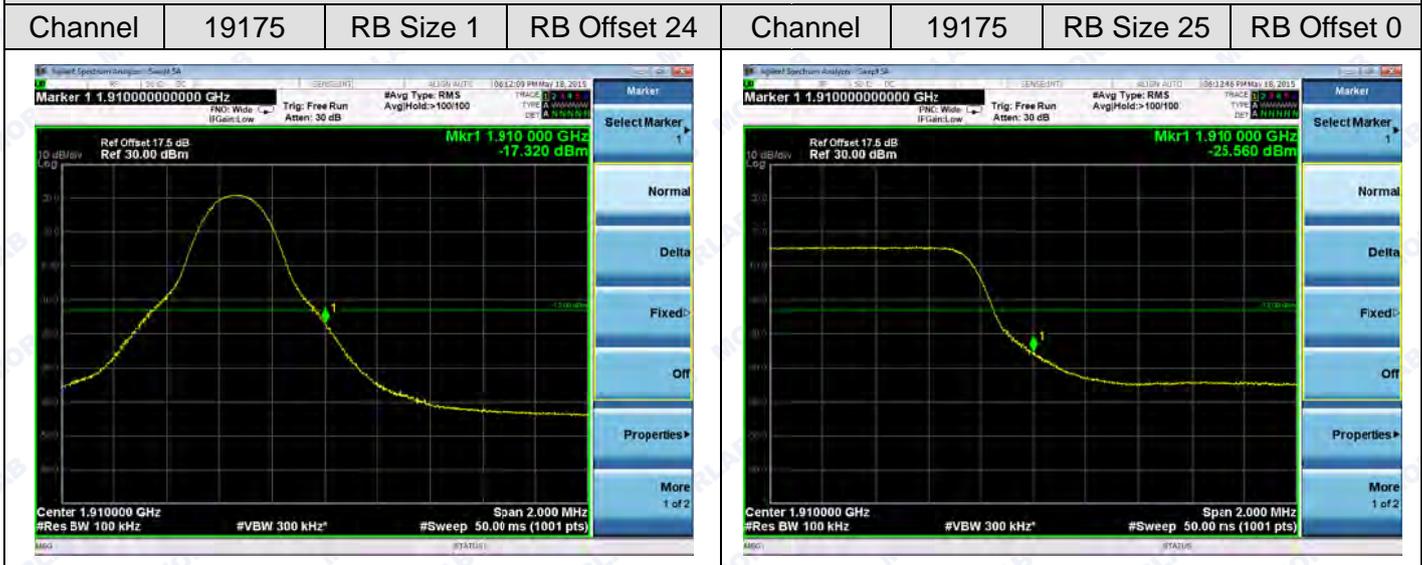


LTE Band 2

Channel Bandwidth: 5MHz



Channel Bandwidth: 5MHz





LTE Band 2

Channel Bandwidth: 10MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 18650 | RB Size 1 | RB Offset 0 | Channel | 18650 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 10MHz

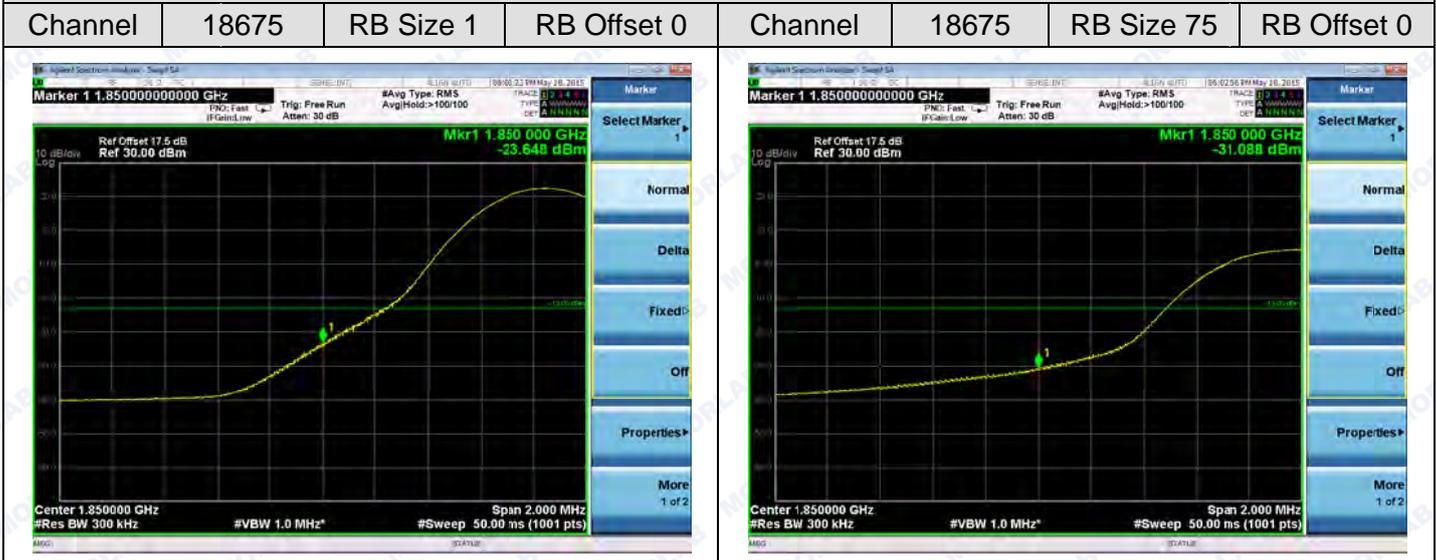
| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 19150 | RB Size 1 | RB Offset 49 | Channel | 19150 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|



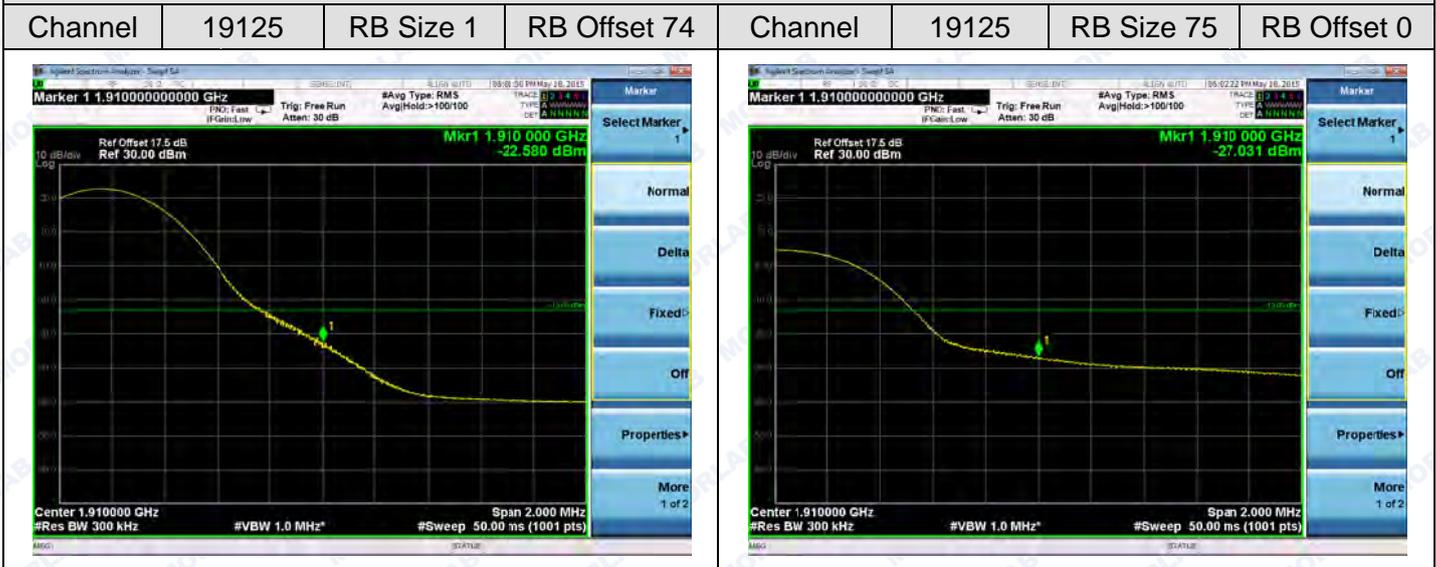


LTE Band 2

Channel Bandwidth: 15MHz



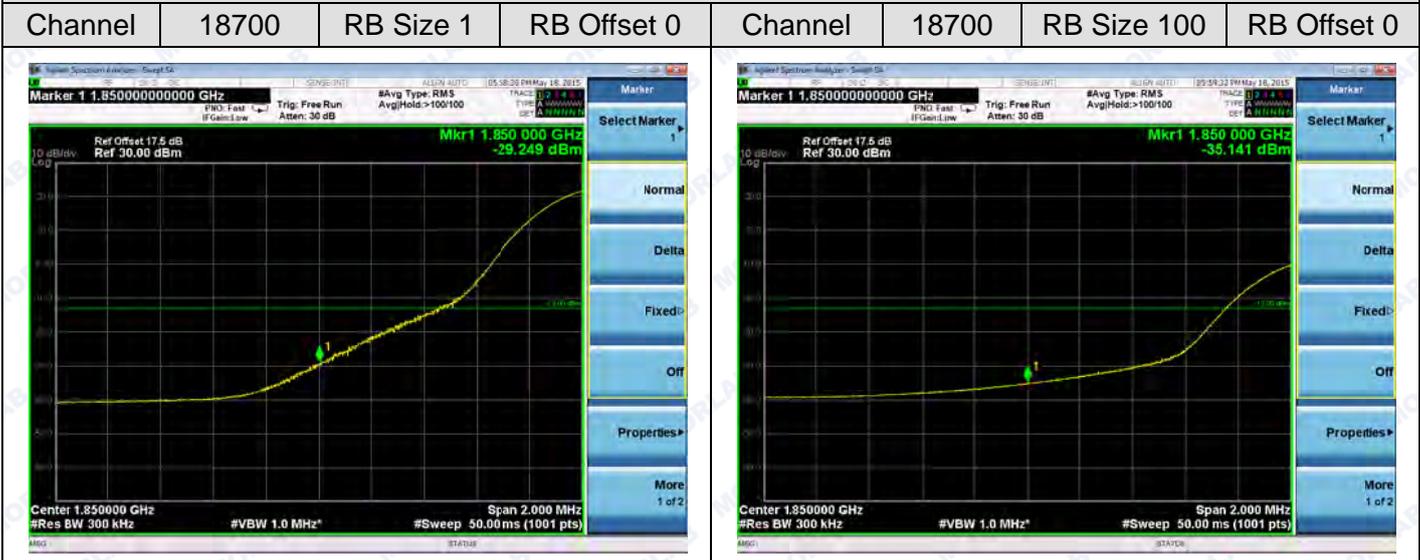
Channel Bandwidth: 15MHz



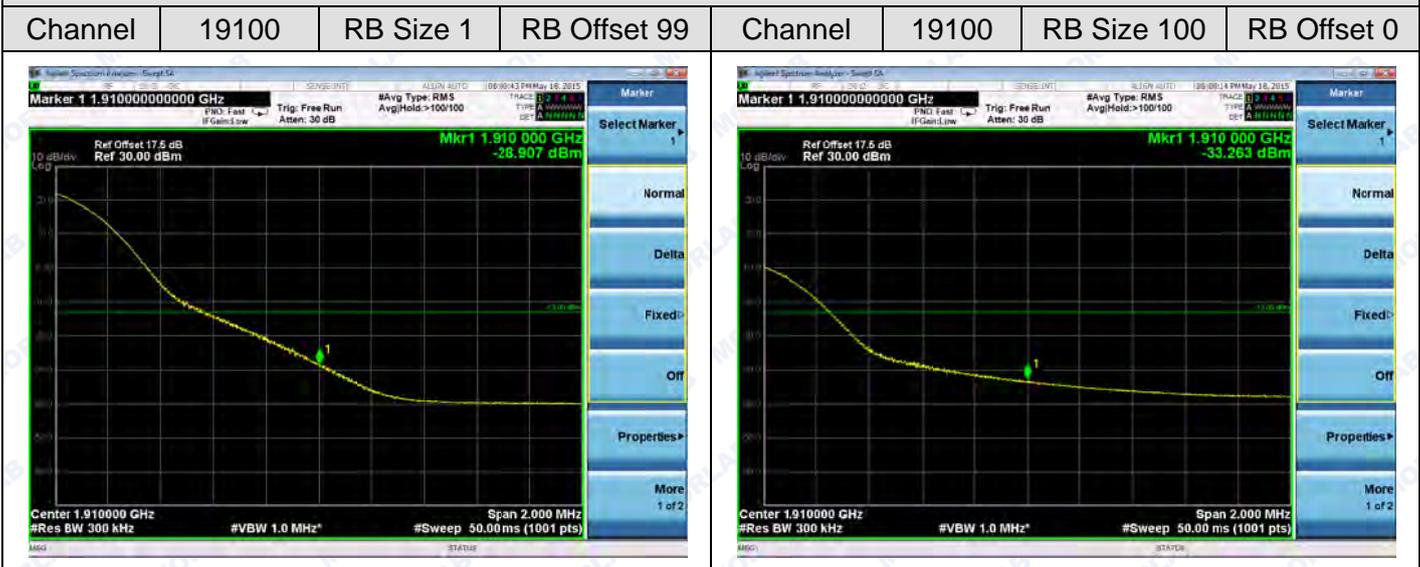


LTE Band 2

Channel Bandwidth: 20MHz



Channel Bandwidth: 20MHz





LTE Band 4

Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 19957 | RB Size 1 | RB Offset 0 | Channel | 20393 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|



Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 19957 | RB Size 1 | RB Offset 5 | Channel | 20393 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|

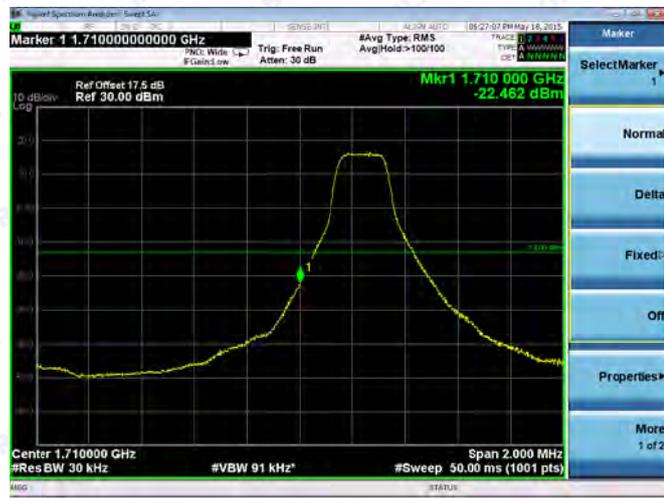




LTE Band 4

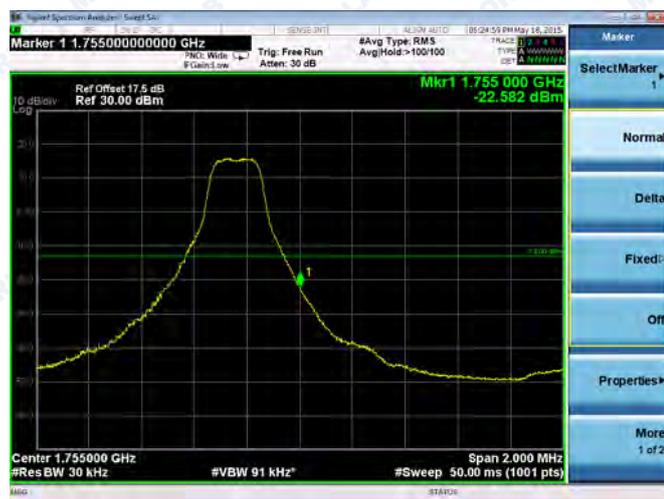
Channel Bandwidth: 3MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 19965 | RB Size 1 | RB Offset 0 | Channel | 20385 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 3MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 19965 | RB Size 1 | RB Offset 14 | Channel | 20385 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|





LTE Band 4

Channel Bandwidth: 5MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 19975 | RB Size 1 | RB Offset 0 | Channel | 20375 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 5MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 19975 | RB Size 1 | RB Offset 24 | Channel | 20375 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|





LTE Band 4

Channel Bandwidth: 10MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 20000 | RB Size 1 | RB Offset 0 | Channel | 20350 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 10MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 20000 | RB Size 1 | RB Offset 49 | Channel | 20350 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|





LTE Band 4

Channel Bandwidth: 15MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 20025 | RB Size 1 | RB Offset 0 | Channel | 20325 | RB Size 75 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 15MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 20025 | RB Size 1 | RB Offset 74 | Channel | 20325 | RB Size 75 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|





LTE Band 4

Channel Bandwidth: 20MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-------------|-------------|
| Channel | 20050 | RB Size 1 | RB Offset 0 | Channel | 20300 | RB Size 100 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-------------|-------------|



Channel Bandwidth: 20MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|-------------|-------------|
| Channel | 20050 | RB Size 1 | RB Offset 99 | Channel | 20300 | RB Size 100 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|-------------|-------------|





LTE Band 5

Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 20407 | RB Size 1 | RB Offset 0 | Channel | 20407 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|



Channel Bandwidth: 1.4MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|
| Channel | 20642 | RB Size 1 | RB Offset 5 | Channel | 20642 | RB Size 6 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|-----------|-------------|





LTE Band 5

Channel Bandwidth: 3MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 20415 | RB Size 1 | RB Offset 0 | Channel | 20415 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 3MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 20634 | RB Size 1 | RB Offset 14 | Channel | 20634 | RB Size 15 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|

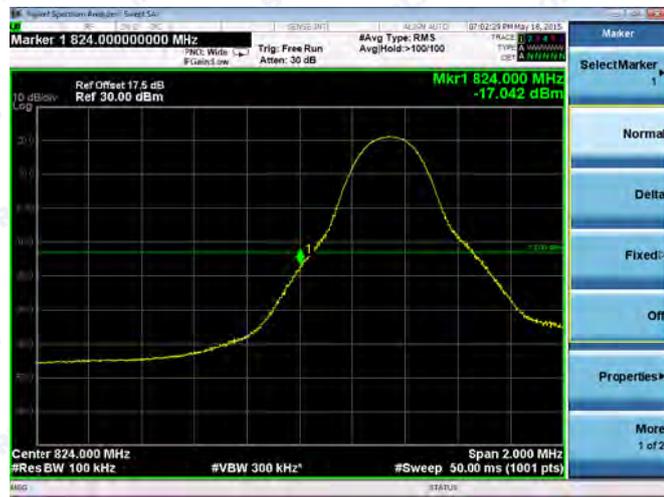




LTE Band 5

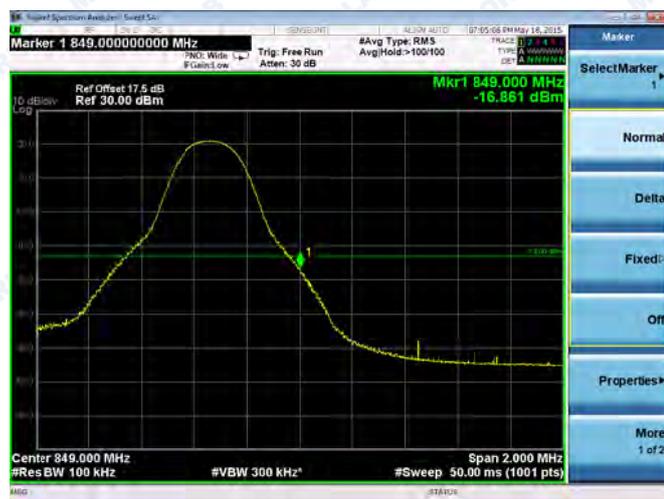
Channel Bandwidth: 5MHz

| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 20425 | RB Size 1 | RB Offset 0 | Channel | 20425 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 5MHz

| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 20625 | RB Size 1 | RB Offset 24 | Channel | 20625 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|





LTE Band 5

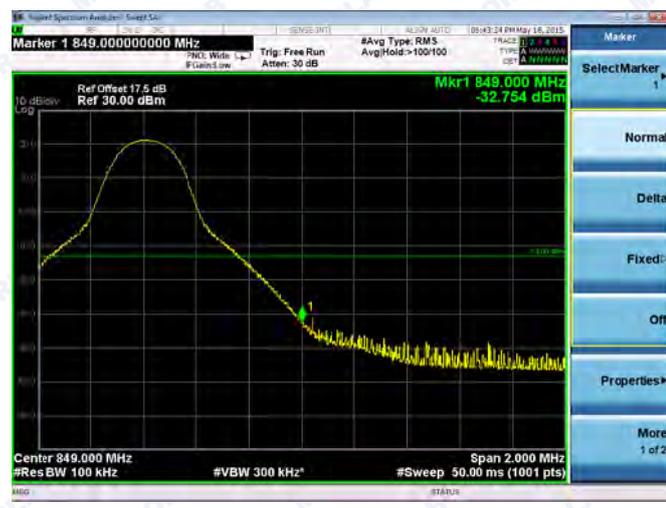
Channel Bandwidth: 10MHz

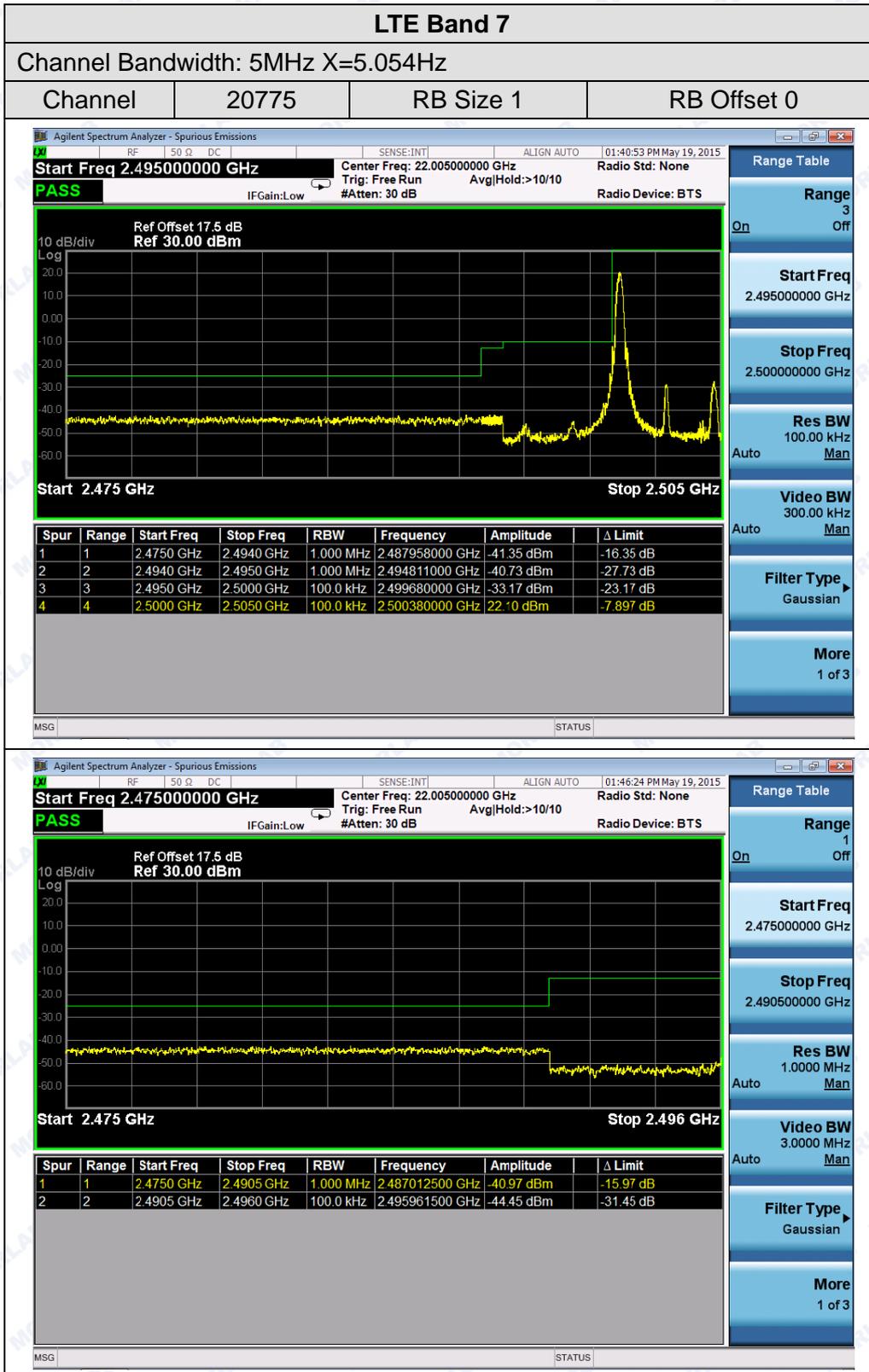
| | | | | | | | |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
| Channel | 20450 | RB Size 1 | RB Offset 0 | Channel | 20450 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|

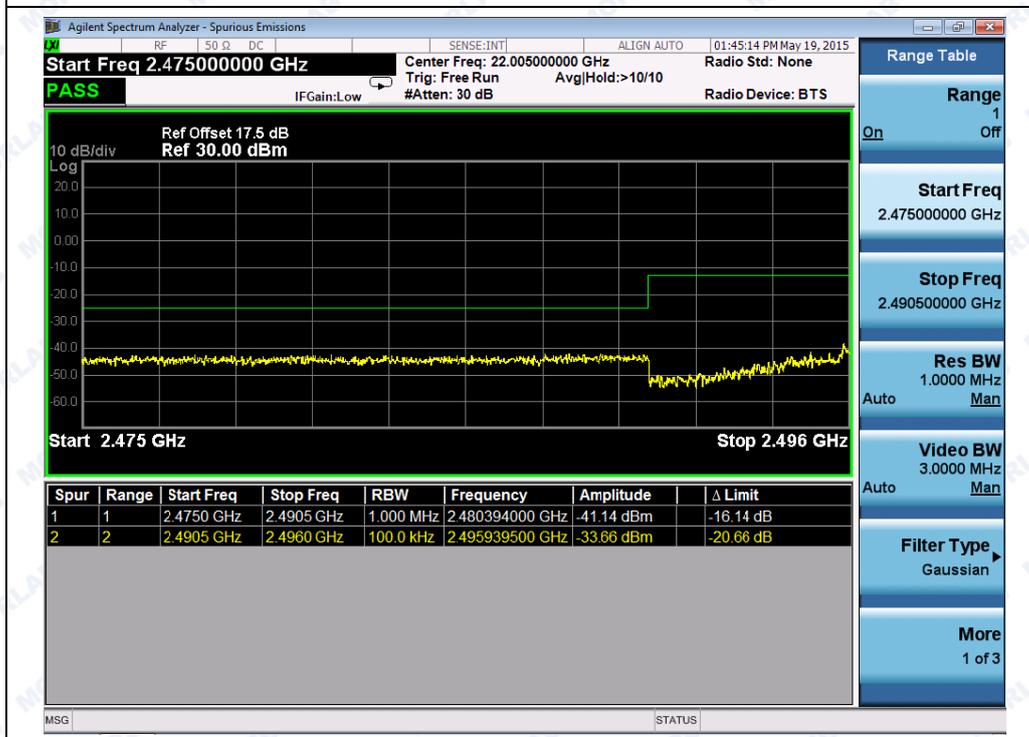
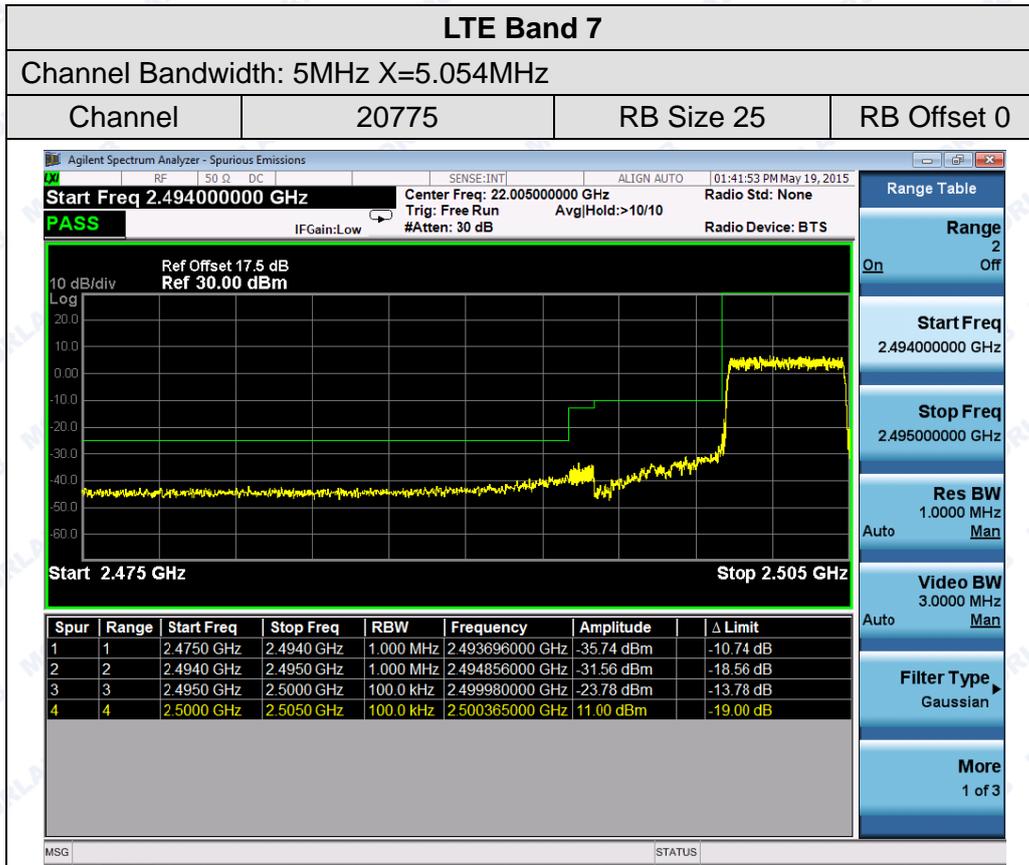


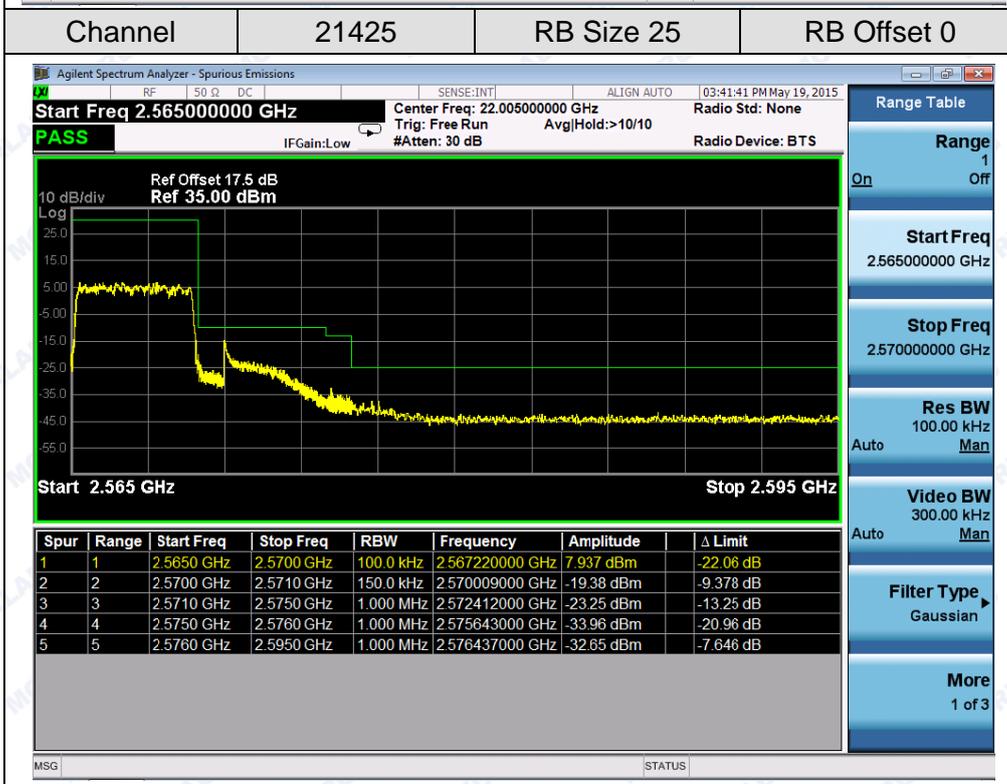
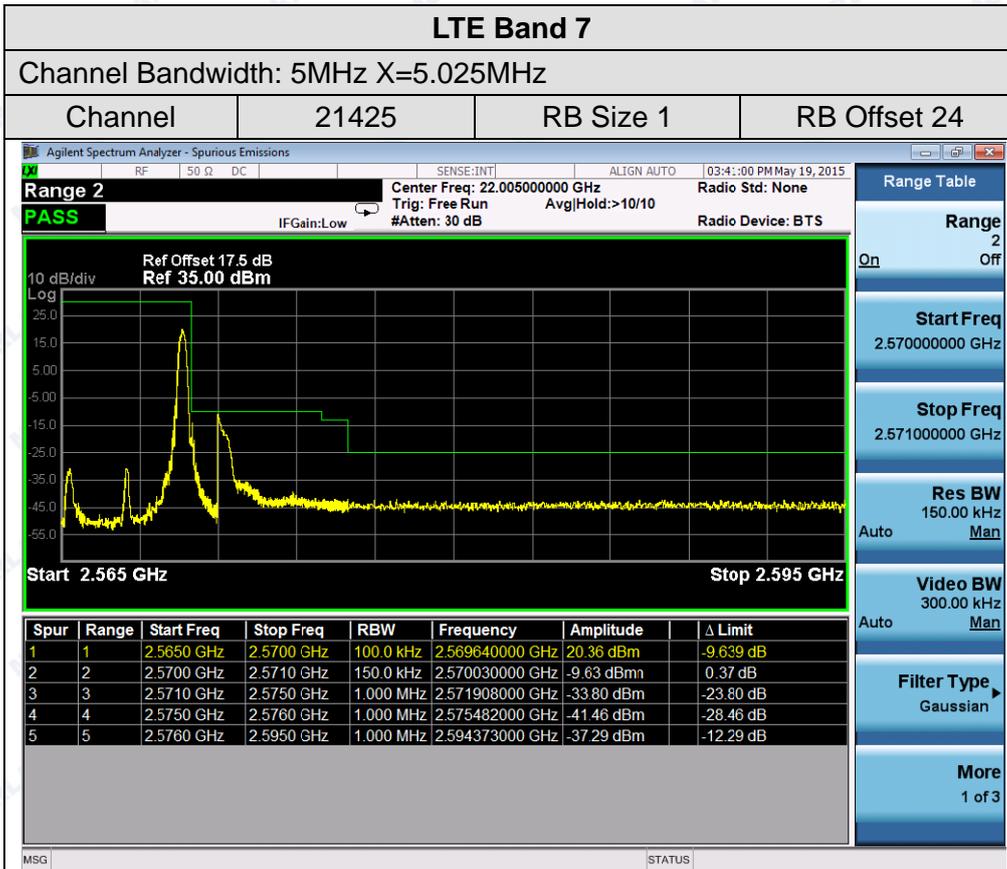
Channel Bandwidth: 10MHz

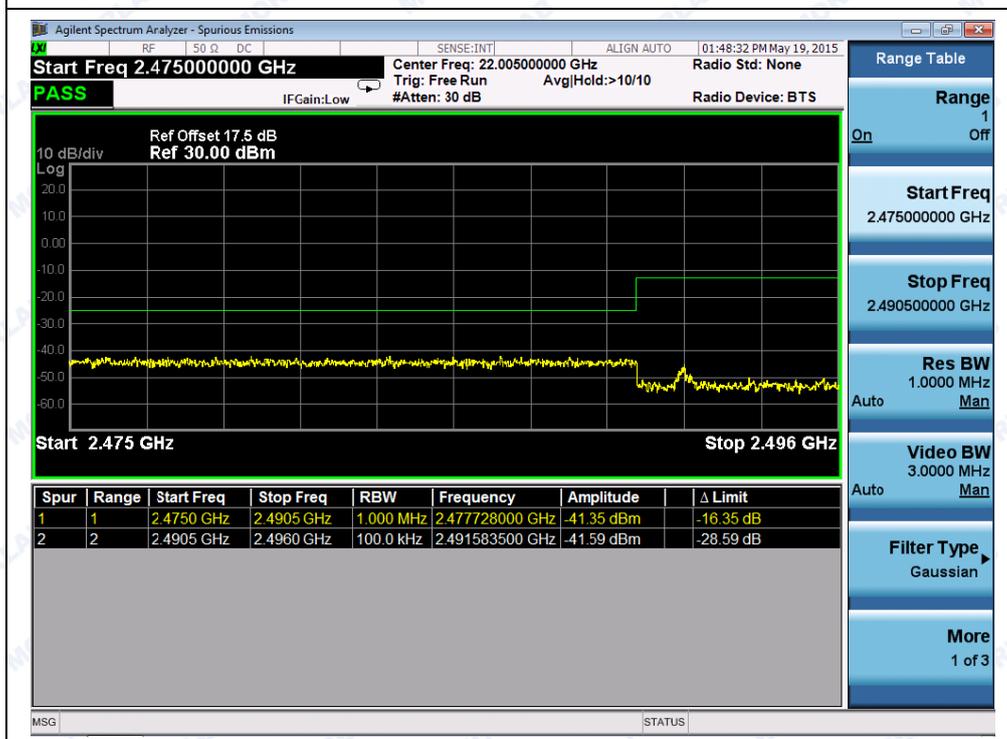
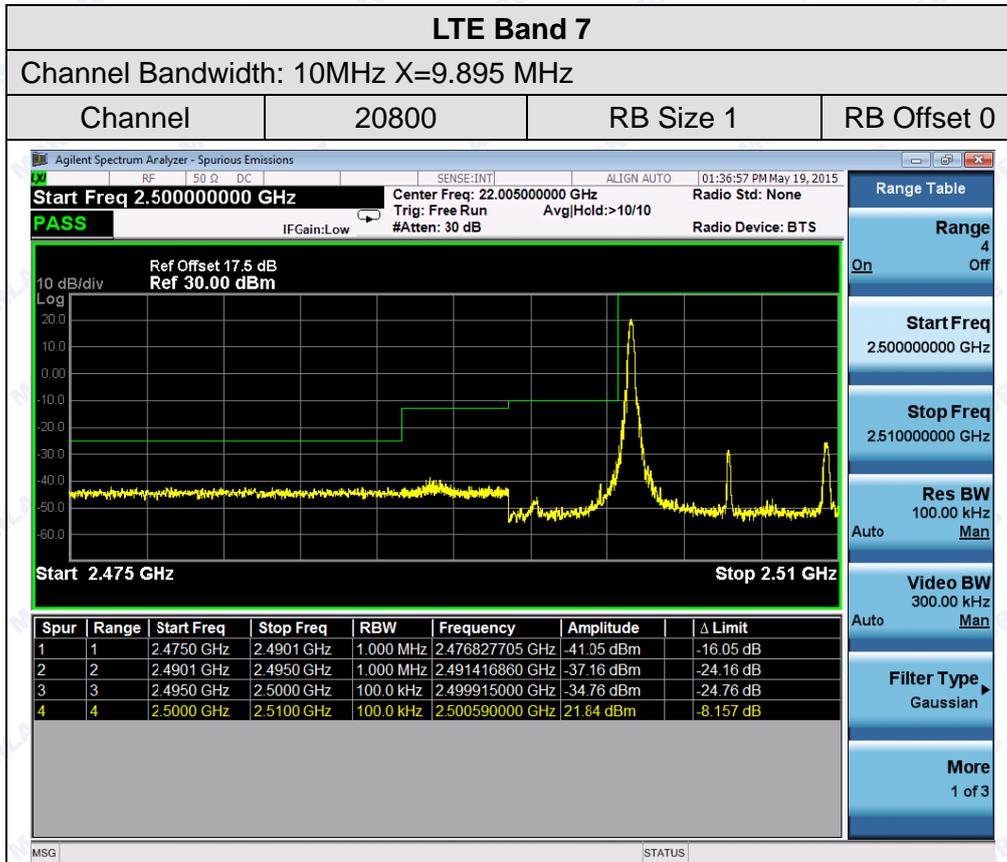
| | | | | | | | |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
| Channel | 20600 | RB Size 1 | RB Offset 49 | Channel | 20600 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|



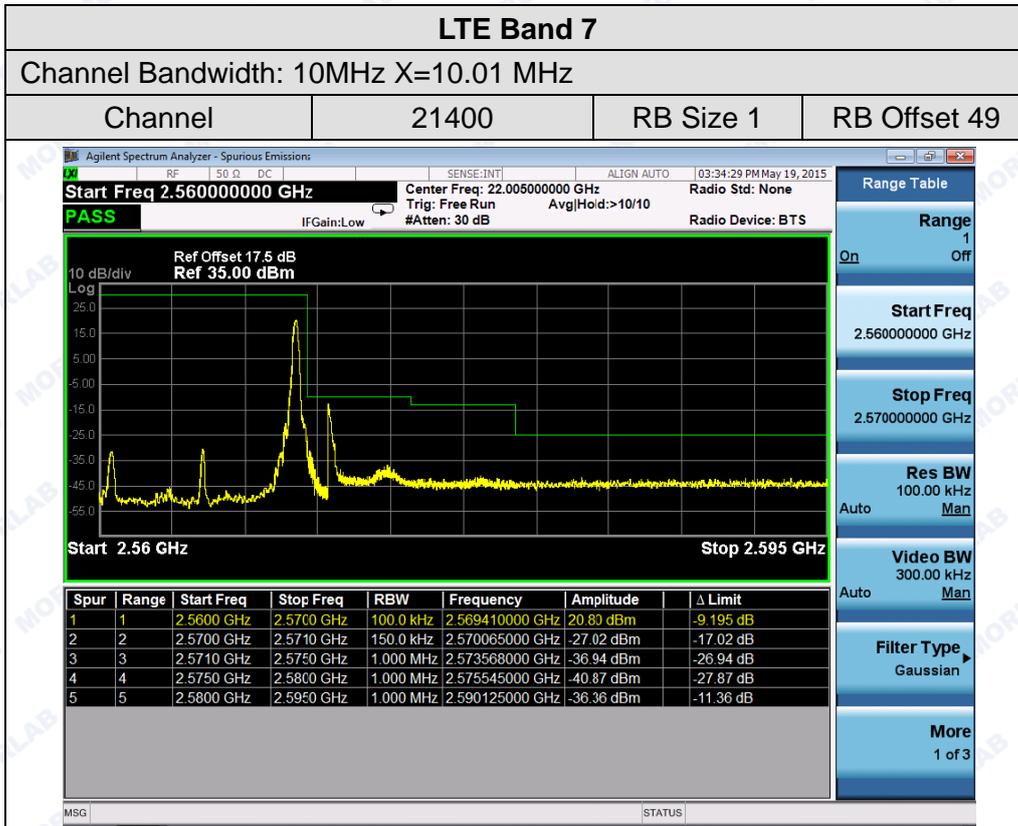


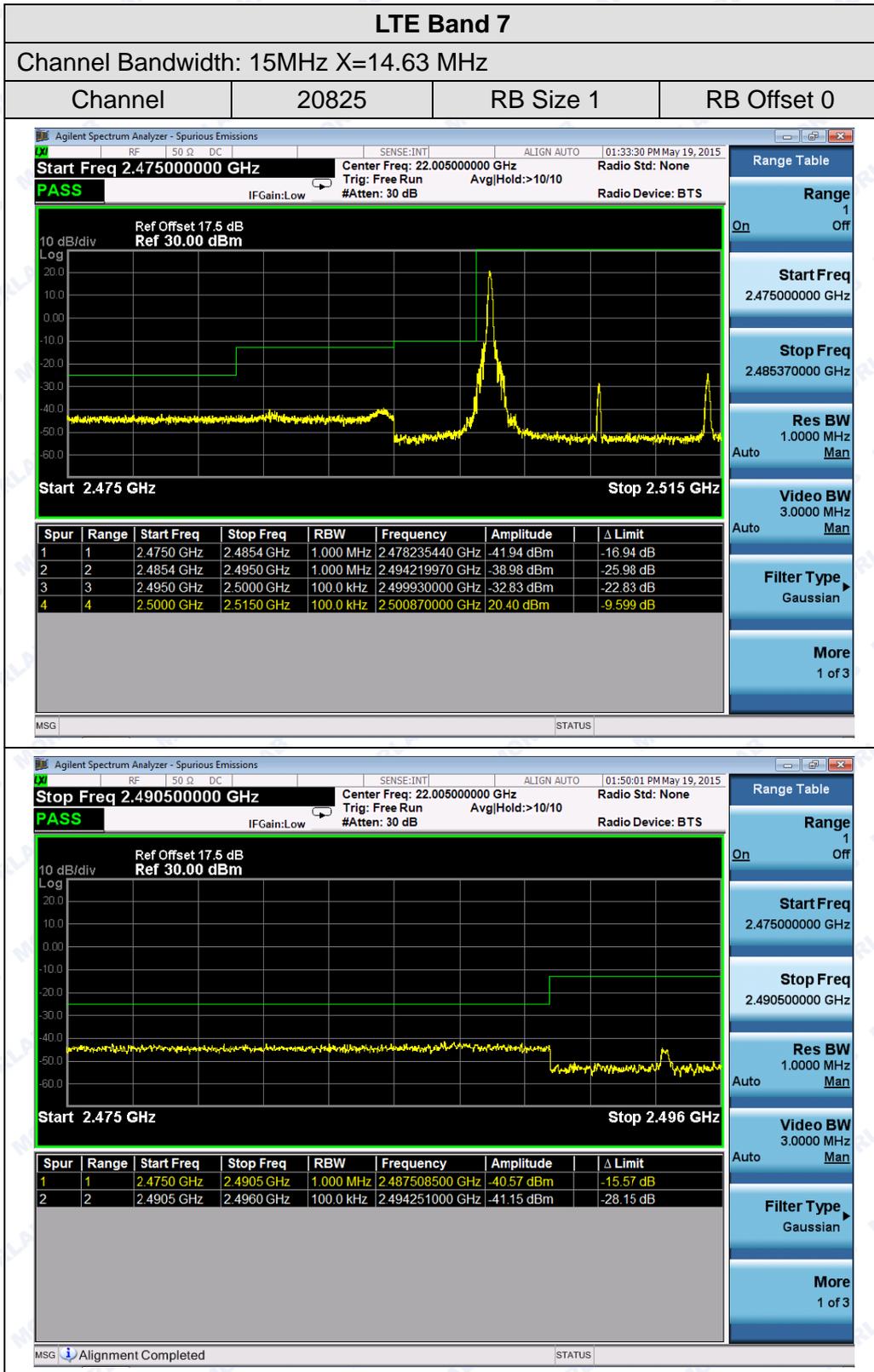








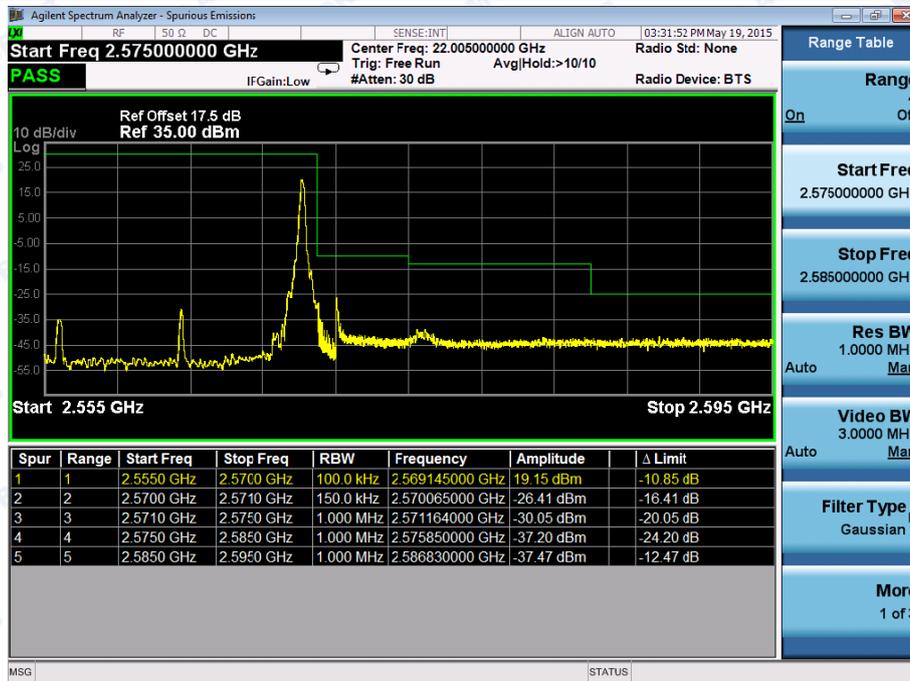






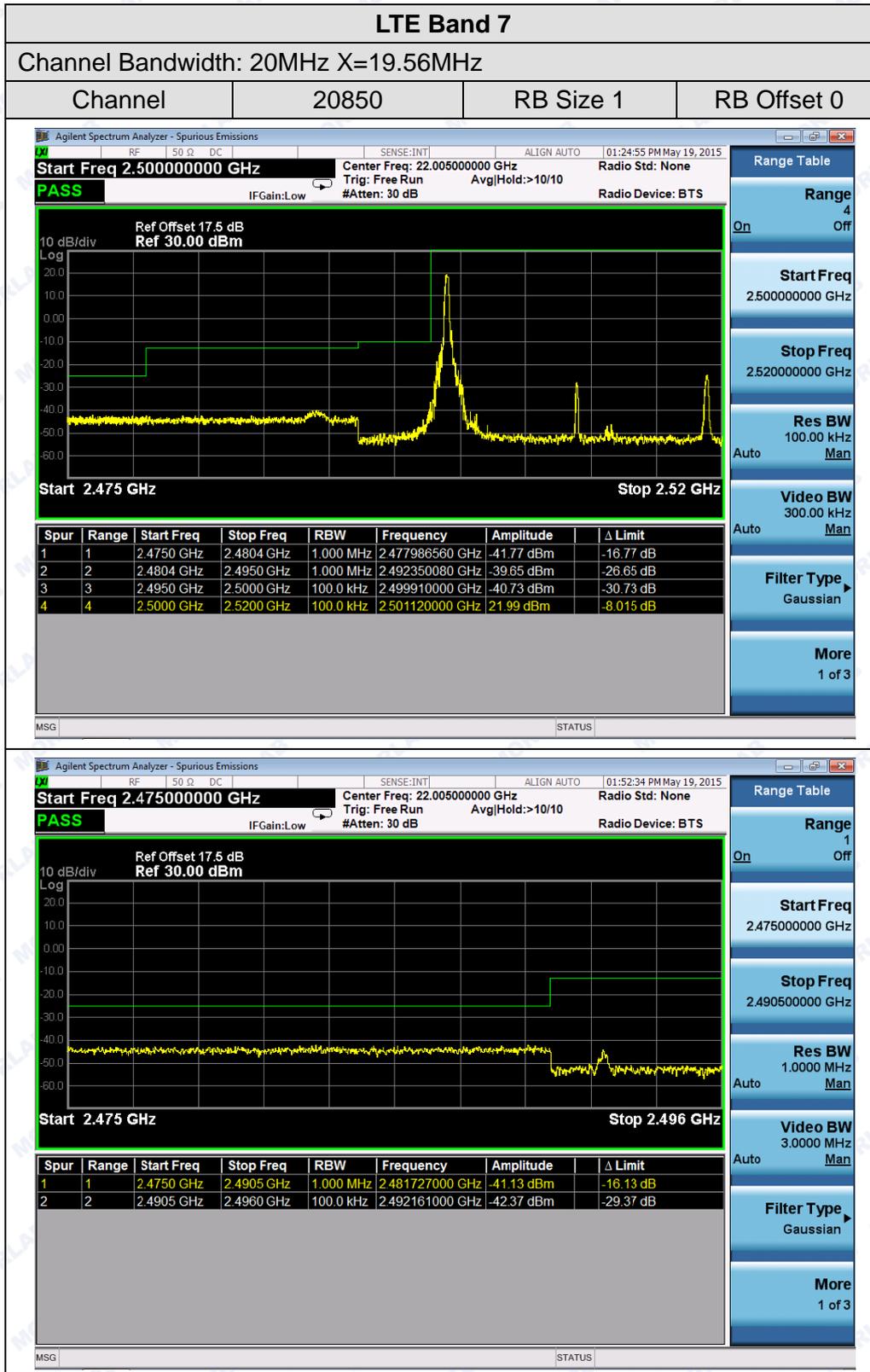


| LTE Band 7 | | | |
|-------------------------------------|-------|-----------|--------------|
| Channel Bandwidth: 15MHz X=14.81MHz | | | |
| Channel | 21375 | RB Size 1 | RB Offset 74 |



| | | | |
|---------|-------|------------|-------------|
| Channel | 21375 | RB Size 75 | RB Offset 0 |
|---------|-------|------------|-------------|





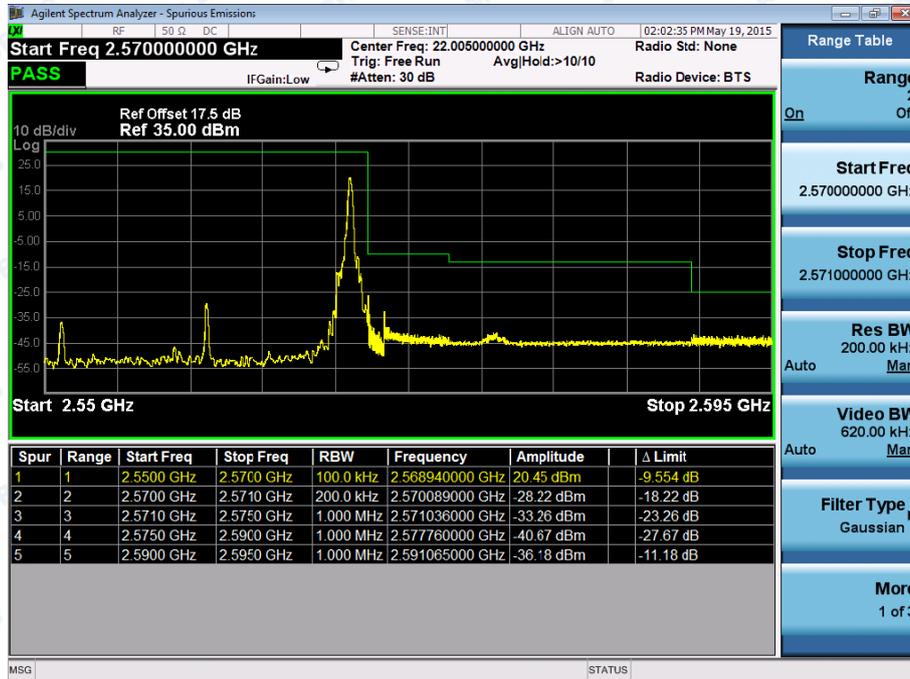




LTE Band 7

Channel Bandwidth: 20MHz X=19.71MHz

| | | | |
|---------|-------|-----------|--------------|
| Channel | 21350 | RB Size 1 | RB Offset 99 |
|---------|-------|-----------|--------------|



| | | | |
|---------|-------|-------------|-------------|
| Channel | 21350 | RB Size 100 | RB Offset 0 |
|---------|-------|-------------|-------------|



2.7 Transmitter Radiated Power (EIRP/ERP)

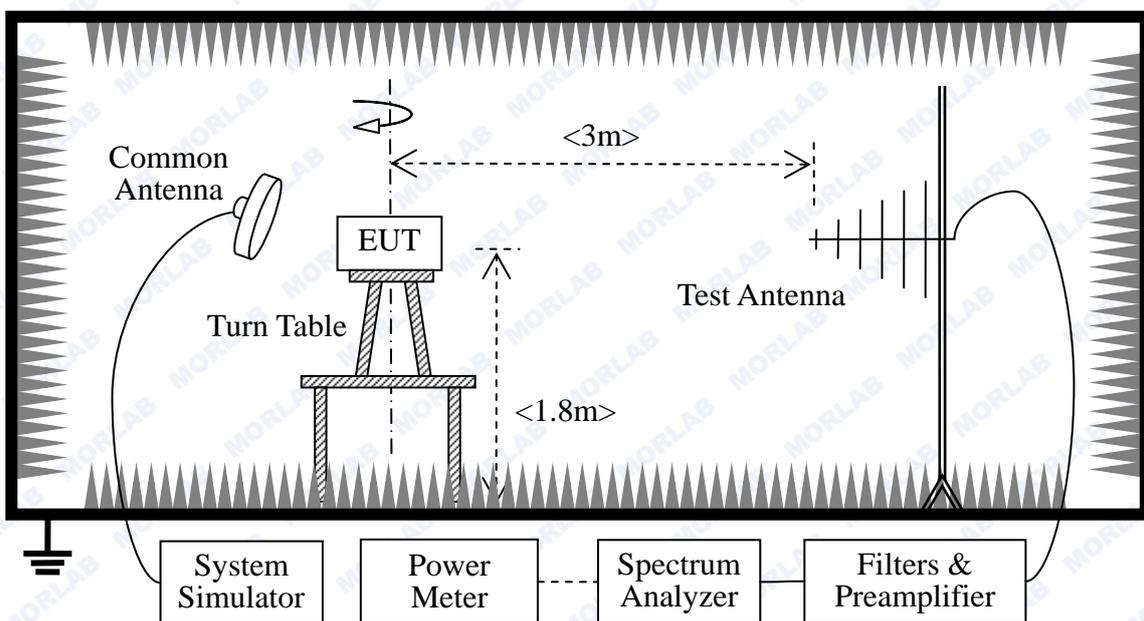
2.7.1 Requirement

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

Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

2.7.2 Test Description

Test Setup:



The EUT, which is powered by the PC, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.



Equipments List:

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|-----------------------|----------------|------------|----------------------------|------------|------------|
| System Simulator | Rohde& Schwarz | CMW500 | 1201.0002k50/ 124534/wk | 2015.02.26 | 2016.02.25 |
| Spectrum Analyzer | Rohde& Schwarz | FSL | 10246 | 2015.02.26 | 2016.02.25 |
| Spectrum Analyzer | Agilent | E4445A | MY44200685 | 2015.02.26 | 2016.02.25 |
| Full-Anechoic Chamber | Albatross | 9m*6m*6m | (n.a.) | 2015.02.26 | 2016.02.25 |
| Test Antenna - Bi-Log | Schwarzbeck | VULB 9163 | 9163-274 | 2015.02.26 | 2016.02.25 |
| Test Antenna - Horn | Schwarzbeck | BBHA 9120C | 9120C-384 | 2015.02.26 | 2016.02.25 |

2.7.3 Test Result

The EUT was verified under all configurations (RB size and offset) and the worst case radiated power reported for each modulation/channel bandwidth.

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT} .



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 20MHz | L 18700 | 1860 | QPSK | 1 | 0 | 21.17 |
| | | | | | 1 | 49 | 21.33 |
| | | | | | 1 | 99 | 20.74 |
| | | | | | 50 | 0 | 20.85 |
| | | | | | 50 | 25 | 20.62 |
| | | | | | 50 | 49 | 20.71 |
| | | | | 100 | 0 | 20.54 | |
| | | | | 16-QAM | 1 | 0 | 20.37 |
| | | | | | 1 | 49 | 20.17 |
| | | | | | 1 | 99 | 20.08 |
| | | | | | 50 | 0 | 20.31 |
| | | | | | 50 | 25 | 19.96 |
| | | 50 | 49 | | 19.87 | | |
| | | M 18900 | 1880 | QPSK | 1 | 0 | 21.62 |
| | | | | | 1 | 49 | 21.71 |
| | | | | | 1 | 99 | 21.32 |
| | | | | | 50 | 0 | 20.83 |
| | | | | | 50 | 25 | 20.29 |
| | | | | | 50 | 49 | 20.37 |
| | | | | 100 | 0 | 20.41 | |
| | | | | 16-QAM | 1 | 0 | 20.53 |
| | | | | | 1 | 49 | 20.41 |
| | | | | | 1 | 99 | 20.69 |
| | | | | | 50 | 0 | 20.32 |
| | | | | | 50 | 25 | 20.41 |
| | | 50 | 49 | | 19.98 | | |
| | | 100 | 0 | 19.68 | | | |
| | | H 19100 | 1900 | QPSK | 1 | 0 | 21.34 |
| | | | | | 1 | 49 | 21.59 |
| | | | | | 1 | 99 | 21.33 |
| 50 | 0 | | | | 20.87 | | |
| 50 | 25 | | | | 20.92 | | |
| 50 | 49 | | | | 20.34 | | |
| 100 | 0 | | | 20.18 | | | |
| 16-QAM | 1 | | | 0 | 20.44 | | |
| | 1 | | | 49 | 20.36 | | |
| | 1 | | | 99 | 20.41 | | |
| | 50 | | | 0 | 19.89 | | |
| | 50 | | | 25 | 20.08 | | |
| | 50 | 49 | 20.17 | | | | |
| 100 | 0 | 20.01 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 15MHz | L 18675 | 1857.5 | QPSK | 1 | 0 | 21.46 |
| | | | | | 1 | 37 | 20.77 |
| | | | | | 1 | 74 | 21.13 |
| | | | | | 36 | 0 | 20.87 |
| | | | | | 36 | 18 | 20.55 |
| | | | | | 36 | 35 | 20.82 |
| | | | | 75 | 0 | 20.37 | |
| | | | | 16-QAM | 1 | 0 | 20.45 |
| | | | | | 1 | 37 | 20.31 |
| | | | | | 1 | 74 | 20.44 |
| | | | | | 36 | 0 | 20.05 |
| | | | | | 36 | 18 | 19.83 |
| | | 36 | 35 | | 19.95 | | |
| | | M 18900 | 1880 | QPSK | 75 | 0 | 19.45 |
| | | | | | 1 | 0 | 21.10 |
| | | | | | 1 | 37 | 21.02 |
| | | | | | 1 | 74 | 21.17 |
| | | | | | 36 | 0 | 20.49 |
| | | | | | 36 | 18 | 20.52 |
| | | | | 16-QAM | 36 | 35 | 20.31 |
| | | | | | 75 | 0 | 20.16 |
| | | | | | 1 | 0 | 20.84 |
| | | | | | 1 | 37 | 20.71 |
| | | | | | 1 | 74 | 20.43 |
| | | | | | 36 | 0 | 19.88 |
| | | H 19125 | 1902.5 | QPSK | 36 | 18 | 19.92 |
| | | | | | 36 | 35 | 20.11 |
| | | | | | 75 | 0 | 19.89 |
| | | | | | 1 | 0 | 21.33 |
| | | | | | 1 | 37 | 21.52 |
| 1 | 74 | | | | 21.44 | | |
| 16-QAM | 36 | | | 0 | 20.71 | | |
| | 36 | | | 18 | 20.34 | | |
| | 36 | | | 35 | 20.41 | | |
| | 75 | | | 0 | 20.22 | | |
| | 1 | | | 0 | 20.33 | | |
| | 1 | | | 37 | 20.35 | | |
| 1 | 74 | 20.29 | | | | | |
| 36 | 0 | 20.16 | | | | | |
| 36 | 18 | 20.28 | | | | | |
| 36 | 35 | 20.06 | | | | | |
| 75 | 0 | 19.74 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 10MHz | L 18650 | 1855 | QPSK | 1 | 0 | 20.66 |
| | | | | | 1 | 24 | 20.44 |
| | | | | | 1 | 49 | 20.86 |
| | | | | | 25 | 0 | 20.07 |
| | | | | | 25 | 12 | 20.14 |
| | | | | | 25 | 24 | 20.03 |
| | | | | 50 | 0 | 20.13 | |
| | | | | 16-QAM | 1 | 0 | 20.23 |
| | | | | | 1 | 24 | 20.46 |
| | | | | | 1 | 49 | 20.57 |
| | | | | | 25 | 0 | 20.33 |
| | | | | | 25 | 12 | 20.17 |
| | | 25 | 24 | | 20.29 | | |
| | | M 18900 | 1880 | QPSK | 1 | 0 | 21.17 |
| | | | | | 1 | 24 | 21.25 |
| | | | | | 1 | 49 | 21.08 |
| | | | | | 25 | 0 | 20.13 |
| | | | | | 25 | 12 | 20.33 |
| | | | | | 25 | 24 | 20.19 |
| | | | | 50 | 0 | 20.13 | |
| | | | | 16-QAM | 1 | 0 | 20.14 |
| | | | | | 1 | 24 | 20.03 |
| | | | | | 1 | 49 | 20.17 |
| | | | | | 25 | 0 | 20.41 |
| | | | | | 25 | 12 | 19.87 |
| | | 25 | 24 | | 20.02 | | |
| | | H 19150 | 1905 | QPSK | 1 | 0 | 20.09 |
| | | | | | 1 | 24 | 21.03 |
| | | | | | 1 | 49 | 20.98 |
| | | | | | 25 | 0 | 20.17 |
| 25 | 12 | | | | 20.08 | | |
| 25 | 24 | | | | 20.16 | | |
| 50 | 0 | | | 20.21 | | | |
| 16-QAM | 1 | | | 0 | 20.13 | | |
| | 1 | | | 24 | 20.11 | | |
| | 1 | | | 49 | 20.09 | | |
| | 25 | | | 0 | 19.85 | | |
| | 25 | | | 12 | 20.33 | | |
| | 25 | 24 | 19.48 | | | | |
| 50 | 0 | 19.35 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 5MHz | L 18625 | 1852.5 | QPSK | 1 | 0 | 21.34 |
| | | | | | 1 | 12 | 21.28 |
| | | | | | 1 | 24 | 20.87 |
| | | | | | 12 | 0 | 20.56 |
| | | | | | 12 | 6 | 20.34 |
| | | | | | 12 | 11 | 20.48 |
| | | | | 25 | 0 | 20.42 | |
| | | | | 16-QAM | 1 | 0 | 20.18 |
| | | | | | 1 | 12 | 20.21 |
| | | | | | 1 | 24 | 20.23 |
| | | | | | 12 | 0 | 19.34 |
| | | | | | 12 | 6 | 19.53 |
| | | 12 | 11 | | 19.66 | | |
| | | M 18900 | 1880 | QPSK | 1 | 0 | 21.01 |
| | | | | | 1 | 12 | 20.74 |
| | | | | | 1 | 24 | 20.83 |
| | | | | | 12 | 0 | 20.12 |
| | | | | | 12 | 6 | 20.51 |
| | | | | | 12 | 11 | 20.33 |
| | | | | 25 | 0 | 20.52 | |
| | | | | 16-QAM | 1 | 0 | 20.17 |
| | | | | | 1 | 12 | 20.23 |
| | | | | | 1 | 24 | 20.11 |
| | | | | | 12 | 0 | 19.58 |
| | | | | | 12 | 6 | 19.75 |
| | | 12 | 11 | | 19.62 | | |
| | | 25 | 0 | 20.09 | | | |
| | | H 19175 | 1907.5 | QPSK | 1 | 0 | 21.48 |
| | | | | | 1 | 12 | 21.37 |
| | | | | | 1 | 24 | 21.24 |
| 12 | 0 | | | | 20.56 | | |
| 12 | 6 | | | | 20.33 | | |
| 12 | 11 | | | | 20.41 | | |
| 25 | 0 | | | 20.71 | | | |
| 16-QAM | 1 | | | 0 | 20.96 | | |
| | 1 | | | 12 | 20.81 | | |
| | 1 | | | 24 | 21.02 | | |
| | 12 | | | 0 | 19.85 | | |
| | 12 | | | 6 | 20.05 | | |
| | 12 | 11 | 19.96 | | | | |
| 25 | 0 | 19.88 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 3MHz | L 18615 | 1851.5 | QPSK | 1 | 0 | 21.02 |
| | | | | | 1 | 7 | 20.91 |
| | | | | | 1 | 14 | 20.84 |
| | | | | | 8 | 0 | 19.52 |
| | | | | | 8 | 4 | 19.71 |
| | | | | | 8 | 7 | 19.63 |
| | | | | 16-QAM | 15 | 0 | 20.72 |
| | | | | | 1 | 0 | 21.01 |
| | | | | | 1 | 7 | 21.09 |
| | | | | | 1 | 14 | 21.07 |
| | | | | | 8 | 0 | 19.82 |
| | | | | | 8 | 4 | 19.56 |
| | | M 18900 | 1880 | QPSK | 8 | 7 | 20.01 |
| | | | | | 8 | 0 | 19.63 |
| | | | | | 15 | 0 | 19.63 |
| | | | | | 1 | 0 | 21.28 |
| | | | | | 1 | 7 | 21.35 |
| | | | | | 1 | 14 | 21.12 |
| | | | | 16-QAM | 8 | 0 | 20.10 |
| | | | | | 8 | 4 | 20.09 |
| | | | | | 8 | 7 | 20.03 |
| | | | | | 15 | 0 | 20.67 |
| | | | | | 1 | 0 | 20.54 |
| | | | | | 1 | 7 | 20.48 |
| | | H 19185 | 1908.5 | QPSK | 1 | 14 | 20.33 |
| | | | | | 8 | 0 | 19.85 |
| | | | | | 8 | 4 | 19.72 |
| | | | | | 8 | 7 | 19.63 |
| | | | | | 15 | 0 | 19.86 |
| | | | | | 1 | 0 | 20.87 |
| | | | | 16-QAM | 1 | 7 | 20.64 |
| | | | | | 1 | 14 | 20.77 |
| | | | | | 8 | 0 | 19.52 |
| | | | | | 8 | 4 | 19.85 |
| | | | | | 8 | 7 | 19.67 |
| | | | | | 15 | 0 | 20.11 |
| | | QPSK | 1 | 0 | 20.83 | | |
| | | | 1 | 7 | 20.46 | | |
| | | | 1 | 14 | 20.37 | | |
| | | | 8 | 0 | 20.06 | | |
| | | 16-QAM | 8 | 4 | 19.83 | | |
| | | | 8 | 7 | 19.92 | | |
| | | | 15 | 0 | 19.64 | | |
| | | | 15 | 0 | 19.64 | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 2 | 1.4MHz | L 18607 | 1850.7 | QPSK | 1 | 0 | 20.48 |
| | | | | | 1 | 2 | 20.52 |
| | | | | | 1 | 5 | 20.71 |
| | | | | | 3 | 0 | 20.88 |
| | | | | | 3 | 1 | 20.71 |
| | | | | | 3 | 2 | 20.80 |
| | | | | 16-QAM | 6 | 0 | 20.15 |
| | | | | | 1 | 0 | 20.11 |
| | | | | | 1 | 2 | 20.32 |
| | | | | | 1 | 5 | 20.24 |
| | | | | | 3 | 0 | 19.52 |
| | | | | | 3 | 1 | 19.71 |
| | | M 18900 | 1880 | QPSK | 3 | 2 | 19.66 |
| | | | | | 6 | 0 | 19.83 |
| | | | | | 1 | 0 | 21.03 |
| | | | | | 1 | 2 | 21.07 |
| | | | | | 1 | 5 | 21.11 |
| | | | | | 3 | 0 | 21.14 |
| | | | | 16-QAM | 3 | 1 | 20.85 |
| | | | | | 3 | 2 | 21.21 |
| | | | | | 6 | 0 | 20.84 |
| | | | | | 1 | 0 | 20.01 |
| | | | | | 1 | 2 | 20.27 |
| | | | | | 1 | 5 | 20.40 |
| | | H 19193 | 1909.3 | QPSK | 3 | 0 | 19.78 |
| | | | | | 3 | 2 | 20.11 |
| | | | | | 3 | 5 | 19.82 |
| | | | | | 6 | 0 | 19.77 |
| | | | | | 1 | 0 | 21.81 |
| | | | | | 1 | 2 | 21.94 |
| 16-QAM | 1 | | | 5 | 21.65 | | |
| | 3 | | | 0 | 21.77 | | |
| | 3 | | | 1 | 21.38 | | |
| | 3 | | | 2 | 21.53 | | |
| | 6 | | | 0 | 20.51 | | |
| | 1 | | | 0 | 20.34 | | |
| 16-QAM | 1 | 2 | 20.23 | | | | |
| | 1 | 5 | 20.17 | | | | |
| | 3 | 0 | 19.85 | | | | |
| | 3 | 1 | 20.06 | | | | |
| | 3 | 2 | 19.90 | | | | |
| | 6 | 0 | 19.93 | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 20MHz | L 20050 | 1720.0 | QPSK | 1 | 0 | 21.65 |
| | | | | | 1 | 49 | 21.72 |
| | | | | | 1 | 99 | 21.77 |
| | | | | | 50 | 0 | 21.62 |
| | | | | | 50 | 25 | 21.08 |
| | | | | | 50 | 49 | 21.34 |
| | | | | 16-QAM | 100 | 0 | 21.48 |
| | | | | | 1 | 0 | 20.82 |
| | | | | | 1 | 49 | 21.37 |
| | | | | | 1 | 99 | 21.02 |
| | | | | | 50 | 0 | 20.45 |
| | | | | | 50 | 25 | 20.62 |
| | | M 20175 | 1732.5 | QPSK | 50 | 49 | 20.38 |
| | | | | | 100 | 0 | 20.01 |
| | | | | | 1 | 0 | 21.84 |
| | | | | | 1 | 49 | 21.79 |
| | | | | | 1 | 99 | 21.68 |
| | | | | | 50 | 0 | 21.15 |
| | | | | 16-QAM | 50 | 25 | 21.08 |
| | | | | | 50 | 49 | 21.02 |
| | | | | | 100 | 0 | 21.10 |
| | | | | | 1 | 0 | 21.64 |
| | | | | | 1 | 49 | 21.55 |
| | | | | | 1 | 99 | 21.47 |
| | | H 20300 | 1745.0 | QPSK | 50 | 0 | 20.52 |
| | | | | | 50 | 25 | 20.39 |
| | | | | | 50 | 49 | 20.46 |
| | | | | | 100 | 0 | 20.34 |
| | | | | | 1 | 0 | 21.31 |
| | | | | | 1 | 49 | 21.73 |
| 16-QAM | 1 | | | 99 | 21.62 | | |
| | 50 | | | 0 | 21.44 | | |
| | 50 | | | 25 | 21.53 | | |
| | 50 | | | 49 | 21.67 | | |
| | 100 | | | 0 | 21.44 | | |
| | 1 | | | 0 | 20.37 | | |
| 1 | 49 | 20.64 | | | | | |
| 1 | 99 | 20.51 | | | | | |
| 50 | 0 | 19.82 | | | | | |
| 50 | 25 | 20.06 | | | | | |
| 50 | 49 | 19.94 | | | | | |
| 100 | 0 | 20.12 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 15MHz | L 20025 | 1717.5 | QPSK | 1 | 0 | 21.77 |
| | | | | | 1 | 37 | 21.54 |
| | | | | | 1 | 74 | 21.83 |
| | | | | | 36 | 0 | 21.23 |
| | | | | | 36 | 18 | 21.39 |
| | | | | | 36 | 35 | 21.30 |
| | | | | 16-QAM | 75 | 0 | 21.02 |
| | | | | | 1 | 0 | 21.25 |
| | | | | | 1 | 37 | 20.72 |
| | | | | | 1 | 74 | 20.77 |
| | | | | | 36 | 0 | 20.04 |
| | | | | | 36 | 18 | 19.86 |
| | | M 20175 | 1732.5 | QPSK | 36 | 35 | 20.11 |
| | | | | | 75 | 0 | 20.15 |
| | | | | | 1 | 0 | 21.85 |
| | | | | | 1 | 37 | 21.69 |
| | | | | | 1 | 74 | 21.81 |
| | | | | | 36 | 0 | 21.19 |
| | | | | 16-QAM | 36 | 18 | 21.08 |
| | | | | | 36 | 35 | 21.24 |
| | | | | | 75 | 0 | 21.17 |
| | | | | | 1 | 0 | 21.62 |
| | | | | | 1 | 37 | 21.41 |
| | | | | | 1 | 74 | 21.67 |
| | | H 20325 | 1747.5 | QPSK | 36 | 0 | 20.51 |
| | | | | | 36 | 18 | 20.33 |
| | | | | | 36 | 35 | 20.44 |
| | | | | | 75 | 0 | 20.09 |
| | | | | | 1 | 0 | 21.89 |
| | | | | | 1 | 37 | 21.72 |
| 16-QAM | 1 | | | 74 | 21.91 | | |
| | 36 | | | 0 | 20.93 | | |
| | 36 | | | 18 | 20.47 | | |
| | 36 | | | 35 | 20.86 | | |
| | 75 | | | 0 | 20.63 | | |
| | 1 | | | 0 | 21.02 | | |
| 1 | 37 | 20.63 | | | | | |
| 1 | 74 | 20.71 | | | | | |
| 36 | 0 | 20.14 | | | | | |
| 36 | 18 | 19.97 | | | | | |
| 36 | 35 | 20.08 | | | | | |
| 75 | 0 | 20.03 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 10MHz | L 20000 | 1715.0 | QPSK | 1 | 0 | 21.14 |
| | | | | | 1 | 24 | 21.83 |
| | | | | | 1 | 49 | 21.94 |
| | | | | | 25 | 0 | 21.27 |
| | | | | | 25 | 12 | 21.53 |
| | | | | | 25 | 24 | 21.34 |
| | | 50 | 0 | 21.42 | | | |
| | | 16-QAM | 1 | 0 | 21.13 | | |
| | | | 1 | 24 | 21.26 | | |
| | | | 1 | 49 | 20.98 | | |
| | | | 25 | 0 | 20.57 | | |
| | | | 25 | 12 | 20.46 | | |
| | 25 | | 24 | 20.62 | | | |
| | 50 | 0 | 20.24 | | | | |
| | | M 20175 | 1732.5 | QPSK | 1 | 0 | 21.97 |
| | | | | | 1 | 24 | 21.53 |
| | | | | | 1 | 49 | 21.37 |
| | | | | | 25 | 0 | 20.62 |
| | | | | | 25 | 12 | 20.33 |
| | 25 | | | | 24 | 20.47 | |
| | 50 | 0 | 21.32 | | | | |
| | | 16-QAM | 1 | 0 | 20.59 | | |
| | | | 1 | 24 | 21.18 | | |
| | | | 1 | 49 | 21.47 | | |
| 25 | | | 0 | 20.37 | | | |
| 25 | | | 12 | 20.16 | | | |
| 25 | 24 | | 19.92 | | | | |
| 50 | 0 | 19.83 | | | | | |
| | H 20350 | 1750.0 | QPSK | 1 | 0 | 21.75 | |
| | | | | 1 | 24 | 21.63 | |
| | | | | 1 | 49 | 21.77 | |
| | | | | 25 | 0 | 20.84 | |
| | | | | 25 | 12 | 20.55 | |
| 25 | | | | 24 | 20.72 | | |
| 50 | 0 | 20.79 | | | | | |
| | 16-QAM | 1 | 0 | 21.09 | | | |
| | | 1 | 24 | 21.01 | | | |
| | | 1 | 49 | 20.58 | | | |
| | | 25 | 0 | 20.13 | | | |
| | | 25 | 12 | 20.22 | | | |
| 25 | | 24 | 20.04 | | | | |
| 50 | 0 | 19.69 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 5MHz | L 19975 | 1712.5 | QPSK | 1 | 0 | 21.92 |
| | | | | | 1 | 12 | 21.81 |
| | | | | | 1 | 24 | 21.90 |
| | | | | | 12 | 0 | 20.88 |
| | | | | | 12 | 6 | 20.71 |
| | | | | | 12 | 11 | 20.95 |
| | | | | 25 | 0 | 20.28 | |
| | | | | 16-QAM | 1 | 0 | 21.06 |
| | | | | | 1 | 12 | 21.17 |
| | | | | | 1 | 24 | 20.93 |
| | | | | | 12 | 0 | 20.14 |
| | | | | | 12 | 6 | 19.99 |
| | | 12 | 11 | | 20.08 | | |
| | | M 20175 | 1732.5 | QPSK | 1 | 0 | 21.88 |
| | | | | | 1 | 12 | 21.73 |
| | | | | | 1 | 24 | 21.92 |
| | | | | | 12 | 0 | 20.89 |
| | | | | | 12 | 6 | 21.02 |
| | | | | | 12 | 11 | 20.75 |
| | | | | 25 | 0 | 21.33 | |
| | | | | 16-QAM | 1 | 0 | 20.56 |
| | | | | | 1 | 12 | 20.82 |
| | | | | | 1 | 24 | 20.71 |
| | | | | | 12 | 0 | 19.96 |
| | | | | | 12 | 6 | 20.16 |
| | | 12 | 11 | | 20.05 | | |
| | | 25 | 0 | 20.01 | | | |
| | | H 20375 | 1752.5 | QPSK | 1 | 0 | 20.17 |
| | | | | | 1 | 12 | 20.43 |
| | | | | | 1 | 24 | 21.03 |
| 12 | 0 | | | | 20.32 | | |
| 12 | 6 | | | | 20.41 | | |
| 12 | 11 | | | | 20.50 | | |
| 25 | 0 | | | 20.87 | | | |
| 16-QAM | 1 | | | 0 | 21.08 | | |
| | 1 | | | 12 | 21.12 | | |
| | 1 | | | 24 | 21.46 | | |
| | 12 | | | 0 | 20.52 | | |
| | 12 | | | 6 | 20.44 | | |
| | 12 | 11 | 20.23 | | | | |
| 25 | 0 | 19.65 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 3MHz | L 19965 | 1711.5 | QPSK | 1 | 0 | 21.89 |
| | | | | | 1 | 7 | 21.92 |
| | | | | | 1 | 14 | 21.53 |
| | | | | | 8 | 0 | 21.08 |
| | | | | | 8 | 4 | 20.96 |
| | | | | | 8 | 7 | 21.23 |
| | | | | 15 | 0 | 21.32 | |
| | | | | 16-QAM | 1 | 0 | 21.07 |
| | | | | | 1 | 7 | 20.98 |
| | | | | | 1 | 14 | 21.11 |
| | | | | | 8 | 0 | 20.35 |
| | | | | | 8 | 4 | 20.27 |
| | | 8 | 7 | | 20.46 | | |
| | | M 20175 | 1732.5 | QPSK | 1 | 0 | 21.96 |
| | | | | | 1 | 7 | 21.76 |
| | | | | | 1 | 14 | 21.83 |
| | | | | | 8 | 0 | 20.89 |
| | | | | | 8 | 4 | 21.08 |
| | | | | | 8 | 7 | 21.11 |
| | | | | 15 | 0 | 21.18 | |
| | | | | 16-QAM | 1 | 0 | 20.89 |
| | | | | | 1 | 7 | 20.53 |
| | | | | | 1 | 14 | 20.69 |
| | | | | | 8 | 0 | 20.14 |
| | | | | | 8 | 4 | 20.09 |
| | | 8 | 7 | | 20.23 | | |
| | | 15 | 0 | 20.16 | | | |
| | | H 20385 | 1753.5 | QPSK | 1 | 0 | 21.55 |
| | | | | | 1 | 7 | 21.73 |
| | | | | | 1 | 14 | 21.68 |
| 8 | 0 | | | | 20.44 | | |
| 8 | 4 | | | | 20.75 | | |
| 8 | 7 | | | | 20.37 | | |
| 15 | 0 | | | 21.06 | | | |
| 16-QAM | 1 | | | 0 | 20.51 | | |
| | 1 | | | 7 | 20.49 | | |
| | 1 | | | 14 | 20.82 | | |
| | 8 | | | 0 | 20.03 | | |
| | 8 | | | 4 | 19.85 | | |
| | 8 | 7 | 19.56 | | | | |
| 15 | 0 | 19.87 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 4 | 1.4MHz | L 19957 | 1710.7 | QPSK | 1 | 0 | 21.77 |
| | | | | | 1 | 2 | 21.99 |
| | | | | | 1 | 5 | 22.07 |
| | | | | | 3 | 0 | 21.74 |
| | | | | | 3 | 1 | 21.33 |
| | | | | | 3 | 2 | 21.16 |
| | | | | 16-QAM | 6 | 0 | 20.63 |
| | | | | | 1 | 0 | 20.82 |
| | | | | | 1 | 2 | 21.09 |
| | | | | | 1 | 5 | 21.21 |
| | | | | | 3 | 0 | 20.21 |
| | | | | | 3 | 1 | 20.38 |
| | | M 20175 | 1732.5 | QPSK | 3 | 2 | 20.13 |
| | | | | | 6 | 0 | 20.42 |
| | | | | | 1 | 0 | 21.87 |
| | | | | | 1 | 2 | 21.92 |
| | | | | | 1 | 5 | 22.09 |
| | | | | | 3 | 0 | 21.56 |
| | | | | 16-QAM | 3 | 1 | 21.64 |
| | | | | | 3 | 2 | 21.98 |
| | | | | | 6 | 0 | 20.28 |
| | | | | | 1 | 0 | 21.09 |
| | | | | | 1 | 2 | 21.34 |
| | | | | | 1 | 5 | 21.11 |
| | | H 20393 | 1754.3 | QPSK | 3 | 0 | 20.81 |
| | | | | | 3 | 2 | 20.48 |
| | | | | | 3 | 5 | 20.30 |
| | | | | | 6 | 0 | 20.38 |
| | | | | | 1 | 0 | 21.65 |
| | | | | | 1 | 2 | 21.27 |
| 16-QAM | 1 | | | 5 | 21.78 | | |
| | 3 | | | 0 | 20.86 | | |
| | 3 | | | 1 | 20.77 | | |
| | 3 | | | 2 | 21.02 | | |
| | 6 | | | 0 | 20.44 | | |
| | 1 | | | 0 | 20.88 | | |
| 1 | 2 | 20.57 | | | | | |
| 1 | 5 | 20.68 | | | | | |
| 3 | 0 | 20.10 | | | | | |
| 3 | 1 | 20.24 | | | | | |
| 3 | 2 | 20.17 | | | | | |
| 6 | 0 | 20.03 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 5 | 10MHz | L 20450 | 829 | QPSK | 1 | 0 | 22.34 |
| | | | | | 1 | 24 | 22.53 |
| | | | | | 1 | 49 | 22.41 |
| | | | | | 25 | 0 | 21.30 |
| | | | | | 25 | 12 | 21.41 |
| | | | | | 25 | 24 | 21.52 |
| | | | | 16-QAM | 50 | 0 | 21.49 |
| | | | | | 1 | 0 | 21.55 |
| | | | | | 1 | 24 | 21.43 |
| | | | | | 1 | 49 | 21.22 |
| | | | | | 25 | 0 | 20.85 |
| | | | | | 25 | 12 | 20.79 |
| | | M 20525 | 836.5 | QPSK | 25 | 24 | 20.34 |
| | | | | | 50 | 0 | 20.63 |
| | | | | | 1 | 0 | 22.31 |
| | | | | | 1 | 24 | 22.46 |
| | | | | | 1 | 49 | 22.37 |
| | | | | | 25 | 0 | 21.52 |
| | | | | 16-QAM | 25 | 12 | 21.21 |
| | | | | | 25 | 24 | 21.49 |
| | | | | | 50 | 0 | 21.44 |
| | | | | | 1 | 0 | 21.37 |
| | | | | | 1 | 24 | 21.44 |
| | | | | | 1 | 49 | 21.18 |
| | | H 20600 | 844 | QPSK | 25 | 0 | 20.88 |
| | | | | | 25 | 12 | 20.31 |
| | | | | | 25 | 24 | 20.58 |
| | | | | | 50 | 0 | 20.43 |
| | | | | | 1 | 0 | 22.45 |
| | | | | | 1 | 24 | 22.37 |
| 16-QAM | 1 | | | 49 | 22.49 | | |
| | 25 | | | 0 | 21.45 | | |
| | 25 | | | 12 | 21.88 | | |
| | 25 | | | 24 | 21.63 | | |
| | 50 | | | 0 | 21.52 | | |
| | 1 | | | 0 | 21.18 | | |
| 1 | 24 | 21.26 | | | | | |
| 1 | 49 | 21.03 | | | | | |
| 25 | 0 | 20.77 | | | | | |
| 25 | 12 | 20.49 | | | | | |
| 25 | 24 | 20.11 | | | | | |
| 50 | 0 | 20.44 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 5 | 5MHz | L 20425 | 826.5 | QPSK | 1 | 0 | 22.43 |
| | | | | | 1 | 12 | 22.51 |
| | | | | | 1 | 24 | 22.33 |
| | | | | | 12 | 0 | 21.32 |
| | | | | | 12 | 6 | 21.16 |
| | | | | | 12 | 11 | 21.52 |
| | | | | 25 | 0 | 21.43 | |
| | | | | 16-QAM | 1 | 0 | 21.07 |
| | | | | | 1 | 12 | 21.62 |
| | | | | | 1 | 24 | 21.28 |
| | | | | | 12 | 0 | 20.86 |
| | | | | | 12 | 6 | 20.44 |
| | | 12 | 11 | | 20.52 | | |
| | | M 20525 | 836.5 | QPSK | 1 | 0 | 22.37 |
| | | | | | 1 | 12 | 22.41 |
| | | | | | 1 | 24 | 22.19 |
| | | | | | 12 | 0 | 21.30 |
| | | | | | 12 | 6 | 21.27 |
| | | | | | 12 | 11 | 21.09 |
| | | | | 25 | 0 | 21.37 | |
| | | | | 16-QAM | 1 | 0 | 21.18 |
| | | | | | 1 | 12 | 21.36 |
| | | | | | 1 | 24 | 21.03 |
| | | | | | 12 | 0 | 20.77 |
| | | | | | 12 | 6 | 20.59 |
| | | 12 | 11 | | 20.42 | | |
| | | 25 | 0 | 20.49 | | | |
| | | H 20625 | 846.5 | QPSK | 1 | 0 | 22.14 |
| | | | | | 1 | 12 | 22.06 |
| | | | | | 1 | 24 | 22.43 |
| 12 | 0 | | | | 21.39 | | |
| 12 | 6 | | | | 21.66 | | |
| 12 | 11 | | | | 21.45 | | |
| 25 | 0 | | | 21.36 | | | |
| 16-QAM | 1 | | | 0 | 21.17 | | |
| | 1 | | | 12 | 21.52 | | |
| | 1 | | | 24 | 21.35 | | |
| | 12 | | | 0 | 20.31 | | |
| | 12 | | | 6 | 20.44 | | |
| | 12 | 11 | 20.69 | | | | |
| 25 | 0 | 20.41 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 5 | 3MHz | L 20415 | 825.5 | QPSK | 1 | 0 | 22.14 |
| | | | | | 1 | 7 | 22.31 |
| | | | | | 1 | 14 | 22.43 |
| | | | | | 8 | 0 | 21.12 |
| | | | | | 8 | 4 | 20.89 |
| | | | | | 8 | 7 | 21.03 |
| | | | | 15 | 0 | 21.16 | |
| | | | | 16-QAM | 1 | 0 | 21.28 |
| | | | | | 1 | 7 | 21.19 |
| | | | | | 1 | 14 | 21.55 |
| | | | | | 8 | 0 | 20.94 |
| | | | | | 8 | 4 | 20.82 |
| | | 8 | 7 | | 20.58 | | |
| | | M 20525 | 836.5 | QPSK | 1 | 0 | 22.38 |
| | | | | | 1 | 7 | 22.41 |
| | | | | | 1 | 14 | 22.19 |
| | | | | | 8 | 0 | 21.33 |
| | | | | | 8 | 4 | 21.26 |
| | | | | | 8 | 7 | 21.19 |
| | | | | 15 | 0 | 21.53 | |
| | | | | 16-QAM | 1 | 0 | 20.37 |
| | | | | | 1 | 7 | 21.07 |
| | | | | | 1 | 14 | 21.43 |
| | | | | | 8 | 0 | 20.55 |
| | | | | | 8 | 4 | 20.72 |
| | | 8 | 7 | | 20.34 | | |
| | | 15 | 0 | 20.51 | | | |
| | | H 20635 | 847.5 | QPSK | 1 | 0 | 22.22 |
| | | | | | 1 | 7 | 22.18 |
| | | | | | 1 | 14 | 22.13 |
| 8 | 0 | | | | 21.46 | | |
| 8 | 4 | | | | 21.82 | | |
| 8 | 7 | | | | 21.22 | | |
| 15 | 0 | | | 21.45 | | | |
| 16-QAM | 1 | | | 0 | 21.29 | | |
| | 1 | | | 7 | 21.06 | | |
| | 1 | | | 14 | 21.27 | | |
| | 8 | | | 0 | 20.46 | | |
| | 8 | | | 4 | 20.39 | | |
| | 8 | 7 | 20.11 | | | | |
| 15 | 0 | 20.13 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 5 | 1.4MHz | L 20407 | 824.7 | QPSK | 1 | 0 | 22.37 |
| | | | | | 1 | 2 | 22.18 |
| | | | | | 1 | 5 | 22.23 |
| | | | | | 3 | 0 | 22.33 |
| | | | | | 3 | 1 | 21.56 |
| | | | | | 3 | 2 | 21.77 |
| | | | | 16-QAM | 6 | 0 | 21.38 |
| | | | | | 1 | 0 | 21.49 |
| | | | | | 1 | 2 | 21.64 |
| | | | | | 1 | 5 | 20.76 |
| | | | | | 3 | 0 | 20.84 |
| | | | | | 3 | 1 | 21.08 |
| | | M 20525 | 836.5 | QPSK | 3 | 2 | 20.85 |
| | | | | | 6 | 0 | 20.46 |
| | | | | | 1 | 0 | 22.17 |
| | | | | | 1 | 2 | 22.43 |
| | | | | | 1 | 5 | 22.26 |
| | | | | | 3 | 0 | 21.83 |
| | | | | 16-QAM | 3 | 1 | 22.09 |
| | | | | | 3 | 2 | 22.35 |
| | | | | | 6 | 0 | 21.29 |
| | | | | | 1 | 0 | 21.53 |
| | | | | | 1 | 2 | 21.88 |
| | | | | | 1 | 5 | 21.44 |
| | | H 20643 | 848.3 | QPSK | 3 | 0 | 20.79 |
| | | | | | 3 | 2 | 20.55 |
| | | | | | 3 | 5 | 20.64 |
| | | | | | 6 | 0 | 20.34 |
| | | | | | 1 | 0 | 22.63 |
| | | | | | 1 | 2 | 22.27 |
| 16-QAM | 1 | | | 5 | 22.46 | | |
| | 3 | | | 0 | 22.19 | | |
| | 3 | | | 1 | 21.63 | | |
| | 3 | | | 2 | 21.29 | | |
| | 6 | | | 0 | 21.37 | | |
| | 1 | | | 0 | 21.26 | | |
| 1 | 2 | 21.44 | | | | | |
| 1 | 5 | 21.33 | | | | | |
| 3 | 0 | 20.51 | | | | | |
| 3 | 1 | 20.30 | | | | | |
| 3 | 2 | 20.69 | | | | | |
| 6 | 0 | 20.55 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 7 | 20MHz | L 20850 | 2510 | QPSK | 1 | 0 | 20.96 |
| | | | | | 1 | 49 | 20.84 |
| | | | | | 1 | 99 | 20.57 |
| | | | | | 50 | 0 | 20.07 |
| | | | | | 50 | 25 | 20.13 |
| | | | | | 50 | 49 | 20.02 |
| | | | | 100 | 0 | 19.94 | |
| | | | | 16-QAM | 1 | 0 | 20.37 |
| | | | | | 1 | 49 | 20.26 |
| | | | | | 1 | 99 | 20.14 |
| | | | | | 50 | 0 | 19.92 |
| | | | | | 50 | 25 | 20.03 |
| | | 50 | 49 | | 19.84 | | |
| | | M 21100 | 2535 | QPSK | 1 | 0 | 21.49 |
| | | | | | 1 | 49 | 21.11 |
| | | | | | 1 | 99 | 21.02 |
| | | | | | 50 | 0 | 20.15 |
| | | | | | 50 | 25 | 19.77 |
| | | | | | 50 | 49 | 19.81 |
| | | | | 100 | 0 | 19.83 | |
| | | | | 16-QAM | 1 | 0 | 20.01 |
| | | | | | 1 | 49 | 20.37 |
| | | | | | 1 | 99 | 20.13 |
| | | | | | 50 | 0 | 19.82 |
| | | | | | 50 | 25 | 19.72 |
| | | 50 | 49 | | 19.91 | | |
| | | 100 | 0 | 19.53 | | | |
| | | H 21350 | 2560 | QPSK | 1 | 0 | 21.14 |
| | | | | | 1 | 49 | 20.52 |
| | | | | | 1 | 99 | 20.63 |
| 50 | 0 | | | | 20.48 | | |
| 50 | 25 | | | | 20.16 | | |
| 50 | 49 | | | | 19.83 | | |
| 100 | 0 | | | 20.01 | | | |
| 16-QAM | 1 | | | 0 | 20.75 | | |
| | 1 | | | 49 | 20.37 | | |
| | 1 | | | 99 | 20.61 | | |
| | 50 | | | 0 | 19.86 | | |
| | 50 | | | 25 | 20.04 | | |
| | 50 | 49 | 19.78 | | | | |
| 100 | 0 | 19.13 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 7 | 15MHz | L 20825 | 2507.5 | QPSK | 1 | 0 | 21.46 |
| | | | | | 1 | 37 | 21.33 |
| | | | | | 1 | 74 | 21.13 |
| | | | | | 36 | 0 | 20.15 |
| | | | | | 36 | 18 | 20.49 |
| | | | | | 36 | 35 | 20.73 |
| | | | | 75 | 0 | 20.68 | |
| | | | | 16-QAM | 1 | 0 | 20.33 |
| | | | | | 1 | 37 | 20.58 |
| | | | | | 1 | 74 | 19.93 |
| | | | | | 36 | 0 | 20.04 |
| | | | | | 36 | 18 | 19.86 |
| | | 36 | 35 | | 19.92 | | |
| | | M 21100 | 2535 | QPSK | 1 | 0 | 21.48 |
| | | | | | 1 | 37 | 20.96 |
| | | | | | 1 | 74 | 21.13 |
| | | | | | 36 | 0 | 20.01 |
| | | | | | 36 | 18 | 20.08 |
| | | | | | 36 | 35 | 19.85 |
| | | | | 75 | 0 | 19.67 | |
| | | | | 16-QAM | 1 | 0 | 19.42 |
| | | | | | 1 | 37 | 20.05 |
| | | | | | 1 | 74 | 19.33 |
| | | | | | 36 | 0 | 19.24 |
| | | | | | 36 | 18 | 19.16 |
| | | 36 | 35 | | 19.53 | | |
| | | H 21375 | 2562.5 | QPSK | 1 | 0 | 21.43 |
| | | | | | 1 | 37 | 21.01 |
| | | | | | 1 | 74 | 20.91 |
| | | | | | 36 | 0 | 20.03 |
| 36 | 18 | | | | 20.16 | | |
| 36 | 35 | | | | 19.85 | | |
| 75 | 0 | | | 19.93 | | | |
| 16-QAM | 1 | | | 0 | 20.14 | | |
| | 1 | | | 37 | 20.28 | | |
| | 1 | | | 74 | 20.07 | | |
| | 36 | | | 0 | 19.73 | | |
| | 36 | | | 18 | 20.05 | | |
| | 36 | 35 | 19.85 | | | | |
| 75 | 0 | 19.21 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 7 | 10MHz | L 20800 | 2505 | QPSK | 1 | 0 | 21.41 |
| | | | | | 1 | 24 | 21.39 |
| | | | | | 1 | 49 | 21.33 |
| | | | | | 25 | 0 | 20.75 |
| | | | | | 25 | 12 | 20.34 |
| | | | | | 25 | 24 | 20.03 |
| | | | | 50 | 0 | 20.07 | |
| | | | | 16-QAM | 1 | 0 | 20.85 |
| | | | | | 1 | 24 | 20.49 |
| | | | | | 1 | 49 | 20.53 |
| | | | | | 25 | 0 | 19.86 |
| | | | | | 25 | 12 | 20.03 |
| | | 25 | 24 | | 19.76 | | |
| | | M 21100 | 2535 | QPSK | 1 | 0 | 21.09 |
| | | | | | 1 | 24 | 20.78 |
| | | | | | 1 | 49 | 20.83 |
| | | | | | 25 | 0 | 19.85 |
| | | | | | 25 | 12 | 19.73 |
| | | | | | 25 | 24 | 19.58 |
| | | | | 50 | 0 | 19.34 | |
| | | | | 16-QAM | 1 | 0 | 19.89 |
| | | | | | 1 | 24 | 20.05 |
| | | | | | 1 | 49 | 19.48 |
| | | | | | 25 | 0 | 19.86 |
| | | | | | 25 | 12 | 19.28 |
| | | 25 | 24 | | 19.53 | | |
| | | 50 | 0 | 19.37 | | | |
| | | H 21400 | 2565 | QPSK | 1 | 0 | 21.01 |
| | | | | | 1 | 24 | 20.81 |
| | | | | | 1 | 49 | 20.95 |
| 25 | 0 | | | | 19.37 | | |
| 25 | 12 | | | | 20.05 | | |
| 25 | 24 | | | | 19.56 | | |
| 50 | 0 | | | 19.71 | | | |
| 16-QAM | 1 | | | 0 | 19.69 | | |
| | 1 | | | 24 | 19.88 | | |
| | 1 | | | 49 | 19.45 | | |
| | 25 | | | 0 | 19.24 | | |
| | 25 | | | 12 | 19.53 | | |
| | 25 | 24 | 19.72 | | | | |
| 50 | 0 | 19.10 | | | | | |



| Band | Band Width | Channel | Freq.(MHz) | Modulation | RB Configuration | | EIRP (dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
| | | | | | RB Size | RB Offset | |
| LTE Band 7 | 5MHz | L 20775 | 2502.5 | QPSK | 1 | 0 | 21.34 |
| | | | | | 1 | 12 | 21.45 |
| | | | | | 1 | 24 | 21.27 |
| | | | | | 12 | 0 | 20.85 |
| | | | | | 12 | 6 | 20.76 |
| | | | | | 12 | 11 | 20.91 |
| | | | | 25 | 0 | 19.83 | |
| | | | | 16-QAM | 1 | 0 | 20.18 |
| | | | | | 1 | 12 | 20.05 |
| | | | | | 1 | 24 | 19.76 |
| | | | | | 12 | 0 | 19.48 |
| | | | | | 12 | 6 | 19.53 |
| | | 12 | 11 | | 19.66 | | |
| | | M 21100 | 2535 | QPSK | 1 | 0 | 20.87 |
| | | | | | 1 | 12 | 20.78 |
| | | | | | 1 | 24 | 20.69 |
| | | | | | 12 | 0 | 20.41 |
| | | | | | 12 | 6 | 20.33 |
| | | | | | 12 | 11 | 20.59 |
| | | | | 25 | 0 | 20.53 | |
| | | | | 16-QAM | 1 | 0 | 20.48 |
| | | | | | 1 | 12 | 20.82 |
| | | | | | 1 | 24 | 19.33 |
| | | | | | 12 | 0 | 19.58 |
| | | | | | 12 | 6 | 19.44 |
| | | 12 | 11 | | 19.38 | | |
| | | 25 | 0 | 19.21 | | | |
| | | H 21425 | 2567.5 | QPSK | 1 | 0 | 20.86 |
| | | | | | 1 | 12 | 20.85 |
| | | | | | 1 | 24 | 20.73 |
| 12 | 0 | | | | 19.74 | | |
| 12 | 6 | | | | 19.59 | | |
| 12 | 11 | | | | 19.69 | | |
| 25 | 0 | | | 19.83 | | | |
| 16-QAM | 1 | | | 0 | 20.09 | | |
| | 1 | | | 12 | 20.18 | | |
| | 1 | | | 24 | 19.45 | | |
| | 12 | | | 0 | 19.82 | | |
| | 12 | | | 6 | 19.55 | | |
| | 12 | 11 | 19.89 | | | | |
| 25 | 0 | 19.13 | | | | | |



2.8 Radiated Spurious Emissions

2.8.1 Requirement

According to FCC section 2.1053 and section 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.

2.8.2 Test Description

See section 2.7.2 of this report.

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

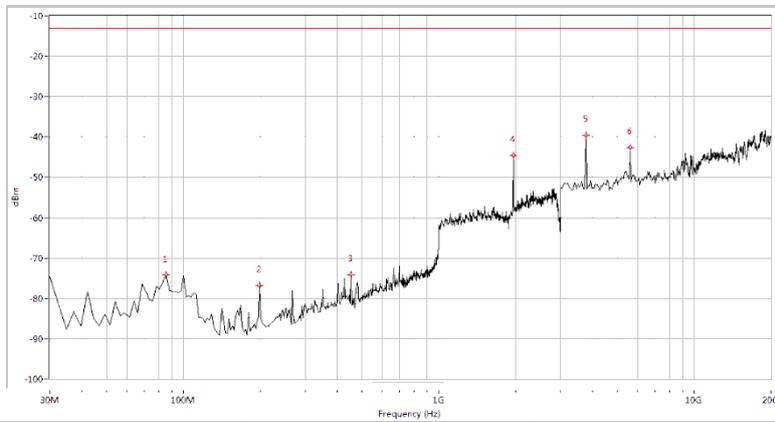
Test Plots for the Whole Measurement Frequency Range:

Note1: the power of the EUT transmitting frequency should be ignored.

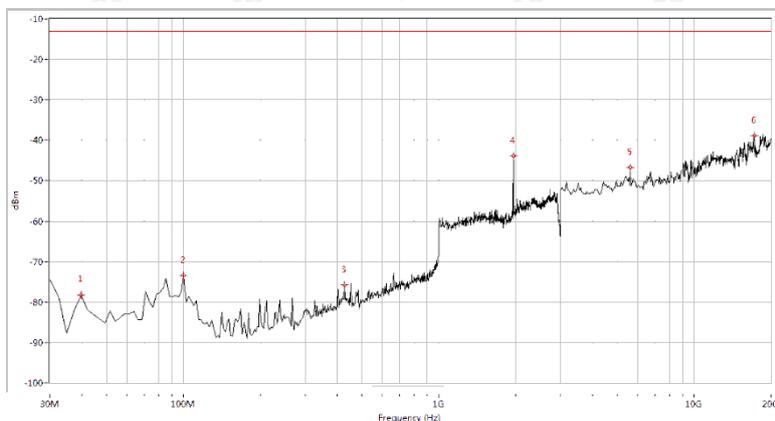
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



LTE Band 2 1.4MHz BW, Mid Channel, QPSK



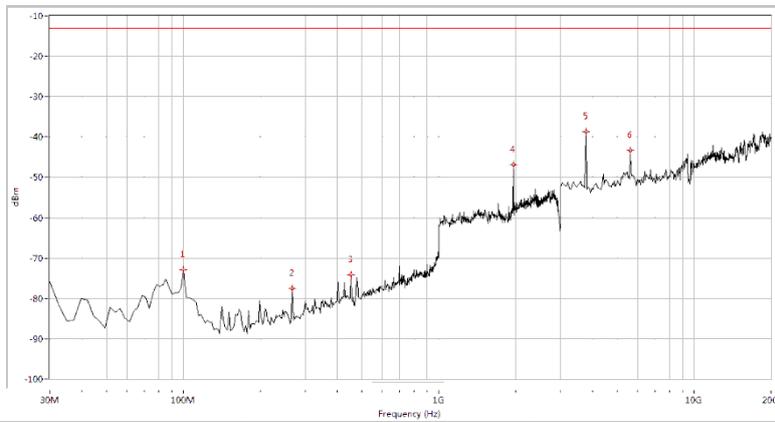
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 85.636 | -74.23 | -13.0 | 61.2 | -3.0 | Horizontal | PASS |
| 199.327 | -76.86 | -13.0 | 63.9 | 252.4 | Horizontal | PASS |
| 453.317 | -74.23 | -13.0 | 61.2 | 274.3 | Horizontal | PASS |
| 1957.606 | -44.56 | -13.0 | 31.6 | 309.7 | Horizontal | N.A |
| 3763.092 | -39.67 | -13.0 | 26.7 | 42.5 | Horizontal | PASS |
| 5628.429 | -42.70 | -13.0 | 29.7 | 23.2 | Horizontal | PASS |



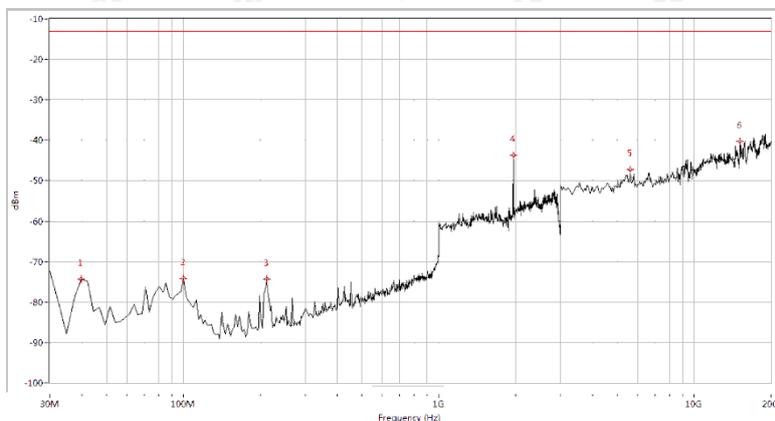
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 39.676 | -78.20 | -13.0 | 65.2 | 244.7 | Vertical | PASS |
| 100.150 | -73.45 | -13.0 | 60.4 | 288.5 | Vertical | PASS |
| 426.708 | -75.72 | -13.0 | 62.7 | 259.9 | Vertical | PASS |
| 1957.606 | -43.86 | -13.0 | 30.9 | 249.5 | Vertical | N.A |
| 5628.429 | -46.73 | -13.0 | 33.7 | 36.5 | Vertical | PASS |
| 17159.601 | -38.95 | -13.0 | 26.0 | 198.6 | Vertical | PASS |



LTE Band 2 1.4MHz BW, Mid Channel, 16QAM



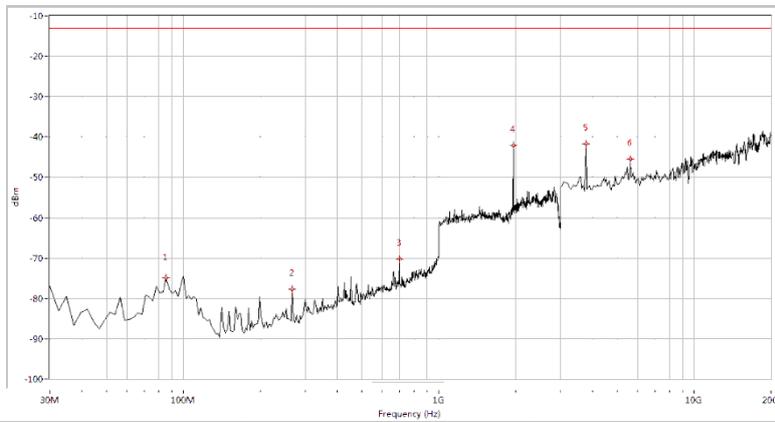
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 100.150 | -72.95 | -13.0 | 59.9 | 357.0 | Horizontal | PASS |
| 267.057 | -77.56 | -13.0 | 64.6 | 335.1 | Horizontal | PASS |
| 453.317 | -74.22 | -13.0 | 61.2 | 265.6 | Horizontal | PASS |
| 1957.606 | -46.93 | -13.0 | 33.9 | 301.4 | Horizontal | N.A |
| 3763.092 | -38.65 | -13.0 | 25.6 | 242.9 | Horizontal | PASS |
| 5628.429 | -43.39 | -13.0 | 30.4 | 357.0 | Horizontal | PASS |



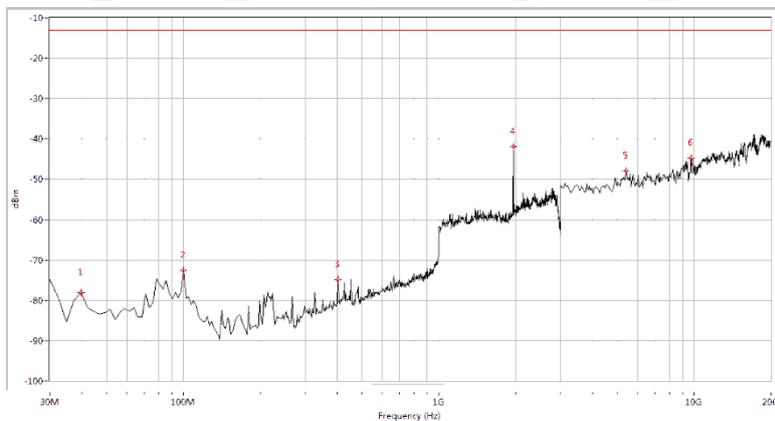
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 39.676 | -74.36 | -13.0 | 61.4 | 351.3 | Vertical | PASS |
| 100.150 | -74.23 | -13.0 | 61.2 | 2.9 | Vertical | PASS |
| 211.421 | -74.26 | -13.0 | 61.3 | 253.2 | Vertical | PASS |
| 1957.606 | -43.71 | -13.0 | 30.7 | 269.6 | Vertical | N.A |
| 5628.429 | -47.31 | -13.0 | 34.3 | 150.5 | Vertical | PASS |
| 15124.688 | -40.37 | -13.0 | 27.4 | 187.3 | Vertical | PASS |



LTE Band 2 3MHz BW, Mid Channel, QPSK



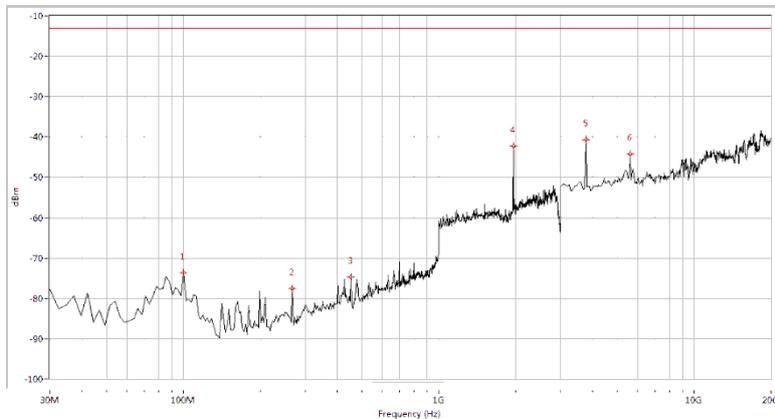
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 85.636 | -74.95 | -13.0 | 61.9 | 308.4 | Horizontal | PASS |
| 267.057 | -77.68 | -13.0 | 64.7 | 267.9 | Horizontal | PASS |
| 700.050 | -70.25 | -13.0 | 57.3 | 326.8 | Horizontal | PASS |
| 1957.606 | -42.15 | -13.0 | 29.1 | 289.7 | Horizontal | N.A |
| 3763.092 | -41.64 | -13.0 | 28.6 | 129.1 | Horizontal | PASS |
| 5628.429 | -45.39 | -13.0 | 32.4 | 196.0 | Horizontal | PASS |



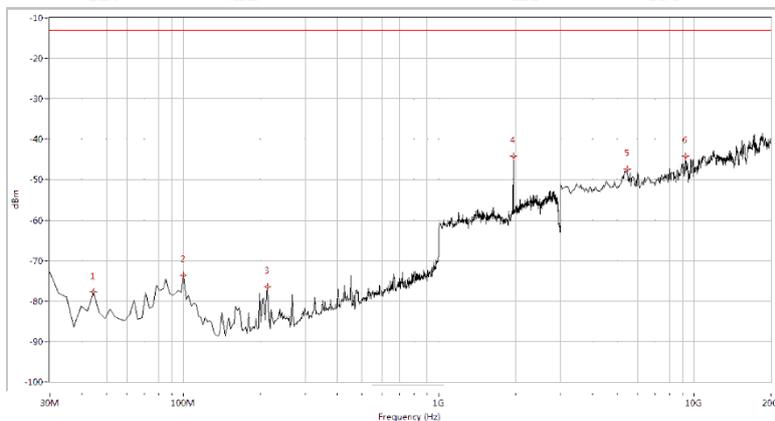
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 39.676 | -78.02 | -13.0 | 65.0 | 354.3 | Vertical | PASS |
| 100.150 | -72.55 | -13.0 | 59.6 | 29.1 | Vertical | PASS |
| 402.519 | -74.86 | -13.0 | 61.9 | 251.1 | Vertical | PASS |
| 1957.606 | -41.98 | -13.0 | 29.0 | 293.3 | Vertical | N.A |
| 5416.459 | -48.02 | -13.0 | 35.0 | 256.6 | Vertical | PASS |
| 9740.648 | -44.70 | -13.0 | 31.7 | 164.0 | Vertical | PASS |



LTE Band 2 3MHz BW, Mid Channel, 16QAM



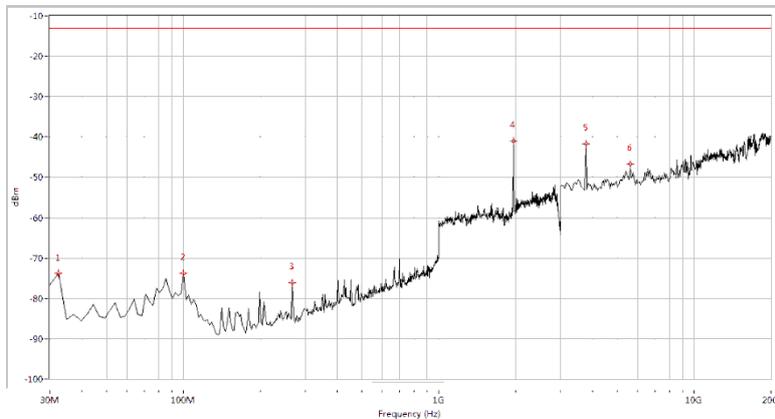
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 100.150 | -73.66 | -13.0 | 60.7 | 142.3 | Horizontal | PASS |
| 267.057 | -77.61 | -13.0 | 64.6 | 294.4 | Horizontal | PASS |
| 453.317 | -74.75 | -13.0 | 61.7 | 274.4 | Horizontal | PASS |
| 1957.606 | -42.28 | -13.0 | 29.3 | 305.3 | Horizontal | N.A |
| 3763.092 | -40.71 | -13.0 | 27.7 | 296.7 | Horizontal | PASS |
| 5628.429 | -44.25 | -13.0 | 31.3 | 79.9 | Horizontal | PASS |



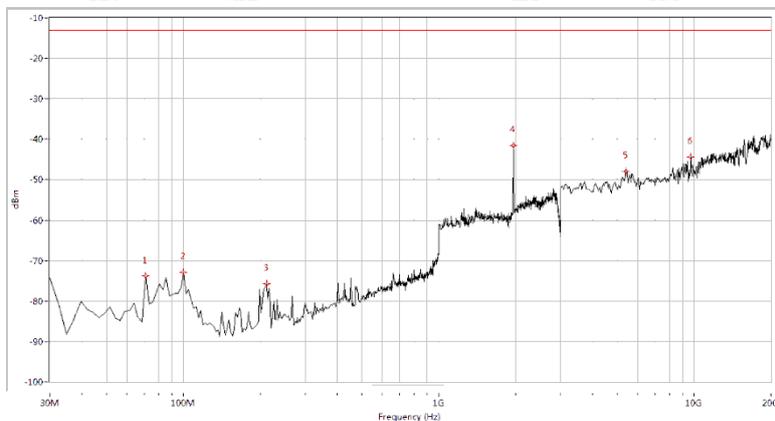
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 44.514 | -77.73 | -13.0 | 64.7 | -0.0 | Vertical | PASS |
| 100.150 | -73.68 | -13.0 | 60.7 | 87.7 | Vertical | PASS |
| 213.840 | -76.56 | -13.0 | 63.6 | 263.2 | Vertical | PASS |
| 1957.606 | -44.24 | -13.0 | 31.2 | 282.6 | Vertical | N.A |
| 5458.853 | -47.51 | -13.0 | 34.5 | 205.9 | Vertical | PASS |
| 9231.920 | -44.23 | -13.0 | 31.2 | 45.5 | Vertical | PASS |



LTE Band 2 5MHz BW, Mid Channel, QPSK



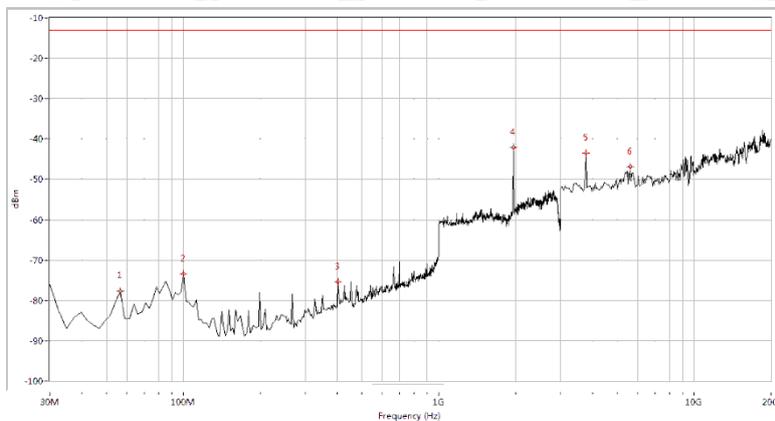
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 32.419 | -73.79 | -13.0 | 60.8 | 318.1 | Horizontal | PASS |
| 100.150 | -73.83 | -13.0 | 60.8 | 312.1 | Horizontal | PASS |
| 267.057 | -76.19 | -13.0 | 63.2 | 265.3 | Horizontal | PASS |
| 1957.606 | -41.09 | -13.0 | 28.1 | 306.4 | Horizontal | N.A |
| 3763.092 | -41.69 | -13.0 | 28.7 | 299.1 | Horizontal | PASS |
| 5628.429 | -46.65 | -13.0 | 33.6 | 222.8 | Horizontal | PASS |



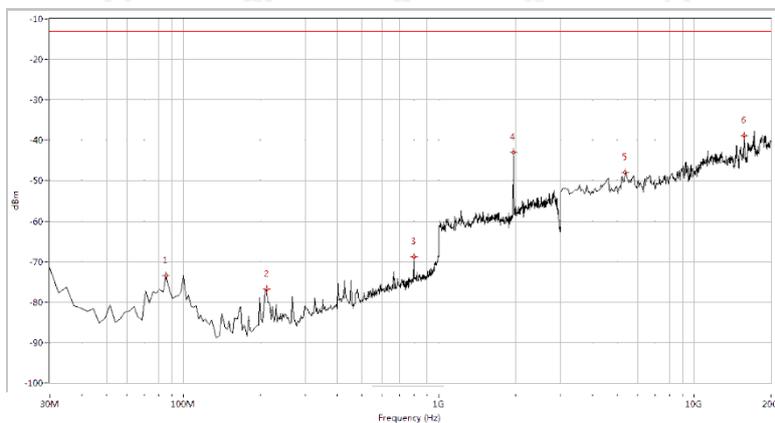
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 71.122 | -73.72 | -13.0 | 60.7 | -3.0 | Vertical | PASS |
| 100.150 | -72.87 | -13.0 | 59.9 | 260.6 | Vertical | PASS |
| 211.421 | -75.84 | -13.0 | 62.8 | 34.0 | Vertical | PASS |
| 1957.606 | -41.57 | -13.0 | 28.6 | 269.2 | Vertical | N.A |
| 5416.459 | -48.05 | -13.0 | 35.0 | 0.0 | Vertical | PASS |
| 9698.254 | -44.34 | -13.0 | 31.3 | 1.5 | Vertical | PASS |



LTE Band 2 5MHz BW, Mid Channel, 16QAM



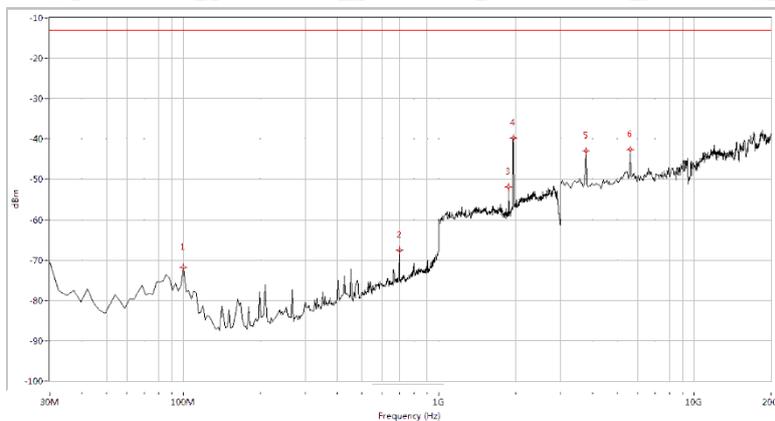
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 56.608 | -77.66 | -13.0 | 64.7 | 298.5 | Horizontal | PASS |
| 100.150 | -73.38 | -13.0 | 60.4 | 93.2 | Horizontal | PASS |
| 402.519 | -75.42 | -13.0 | 62.4 | 266.9 | Horizontal | PASS |
| 1957.606 | -42.15 | -13.0 | 29.2 | 308.3 | Horizontal | N.A |
| 3763.092 | -43.54 | -13.0 | 30.5 | 272.5 | Horizontal | PASS |
| 5628.429 | -46.91 | -13.0 | 33.9 | 142.6 | Horizontal | PASS |



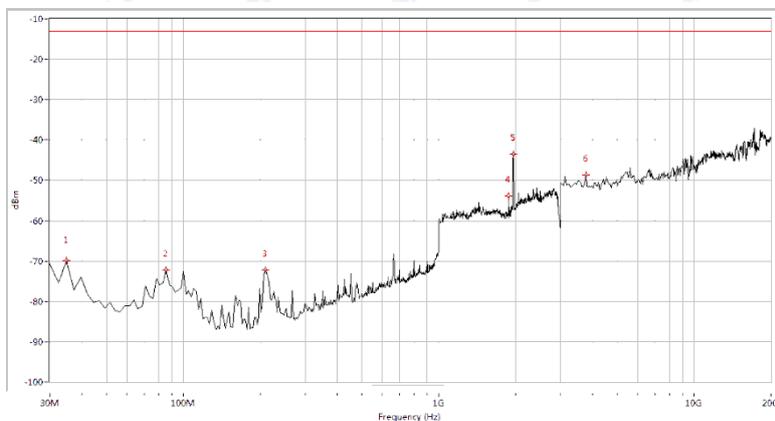
| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 85.636 | -73.39 | -13.0 | 60.4 | 160.7 | Vertical | PASS |
| 211.421 | -76.89 | -13.0 | 63.9 | 218.3 | Vertical | PASS |
| 799.227 | -68.78 | -13.0 | 55.8 | 277.2 | Vertical | PASS |
| 1957.606 | -43.03 | -13.0 | 30.0 | 264.6 | Vertical | N.A |
| 5374.065 | -48.03 | -13.0 | 35.0 | 342.5 | Vertical | PASS |
| 15718.204 | -38.86 | -13.0 | 25.9 | 104.2 | Vertical | PASS |



LTE Band 2 10MHz BW, Mid Channel, QPSK



| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|------------|---------|
| 100.150 | -71.76 | -13.0 | 58.8 | 360.0 | Horizontal | PASS |
| 700.050 | -67.57 | -13.0 | 54.6 | 74.5 | Horizontal | PASS |
| 1872.818 | -51.94 | -13.0 | 38.9 | 297.2 | Horizontal | N.A |
| 1957.606 | -39.85 | -13.0 | 26.9 | 127.3 | Horizontal | N.A |
| 3763.092 | -42.97 | -13.0 | 30.0 | 268.1 | Horizontal | PASS |
| 5628.429 | -42.59 | -13.0 | 29.6 | -0.0 | Horizontal | PASS |



| Fre. (MHz) | Peak | Limit(PK) | Margin | Degree | Antenna | Verdict |
|------------|--------|-----------|--------|--------|----------|---------|
| 34.838 | -69.96 | -13.0 | 57.0 | 256.1 | Vertical | PASS |
| 85.636 | -72.20 | -13.0 | 59.2 | 271.0 | Vertical | PASS |
| 209.002 | -72.25 | -13.0 | 59.2 | 54.4 | Vertical | PASS |
| 1872.818 | -53.87 | -13.0 | 40.9 | 205.5 | Vertical | N.A |
| 1957.606 | -43.58 | -13.0 | 30.6 | 222.2 | Vertical | N.A |
| 3763.092 | -48.59 | -13.0 | 35.6 | -0.0 | Vertical | PASS |