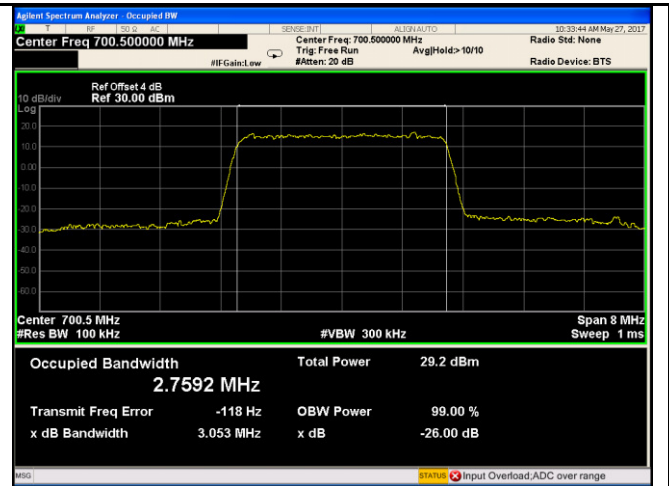
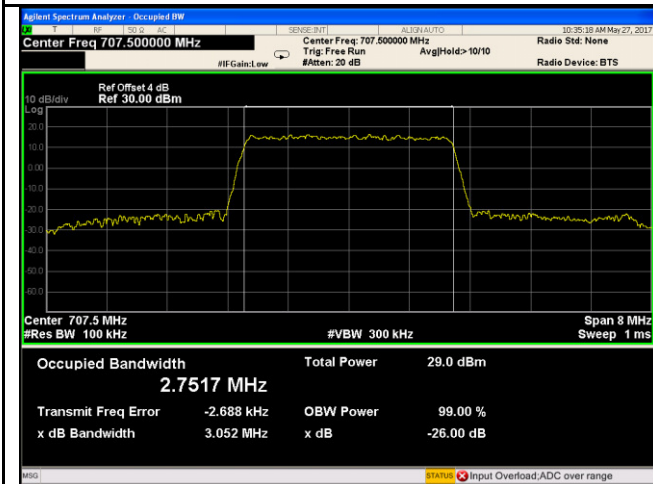


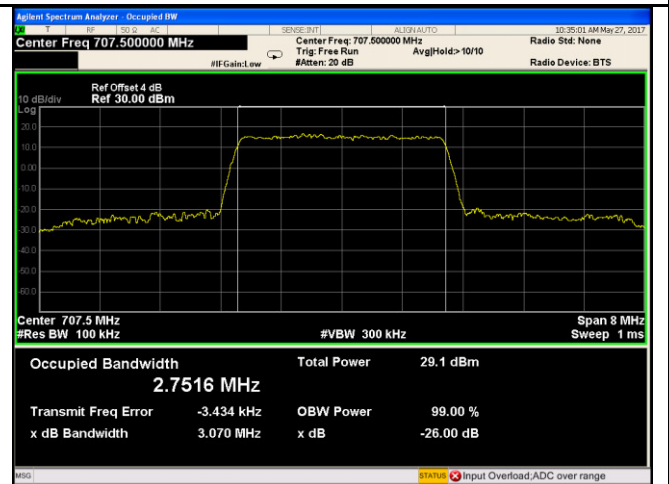
LTE Band XII - Low CH QPSK-3



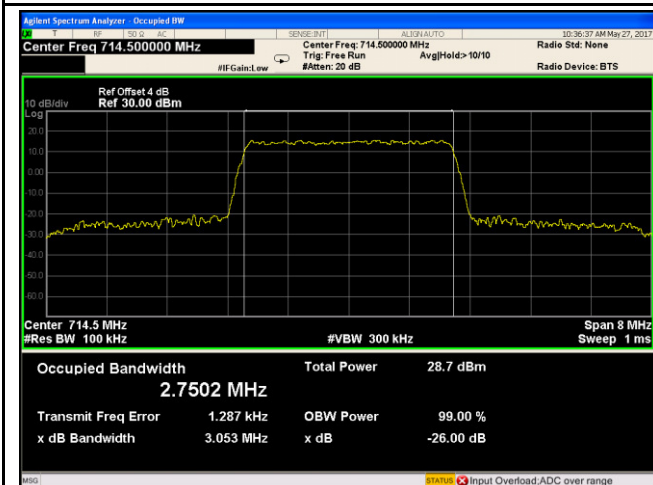
LTE Band XII - Low CH 16QAM-3



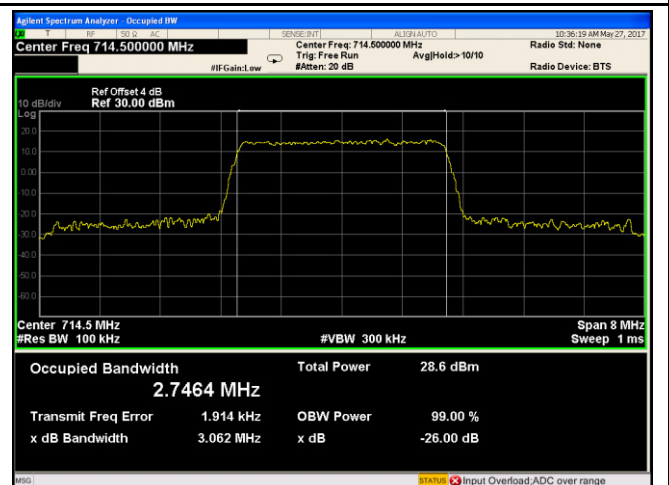
LTE Band XII - Middle CH QPSK-3



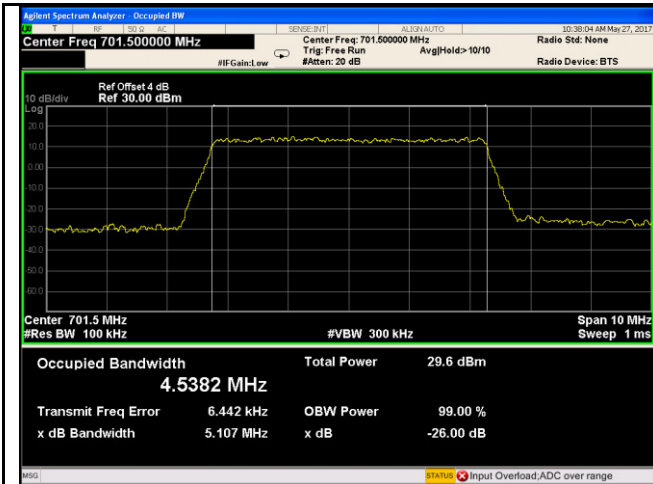
LTE Band XII - Middle CH 16QAM-3



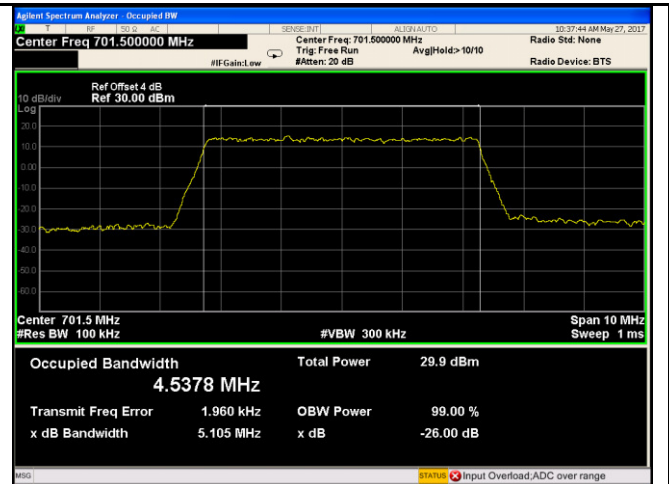
LTE Band XII - High CH QPSK-3



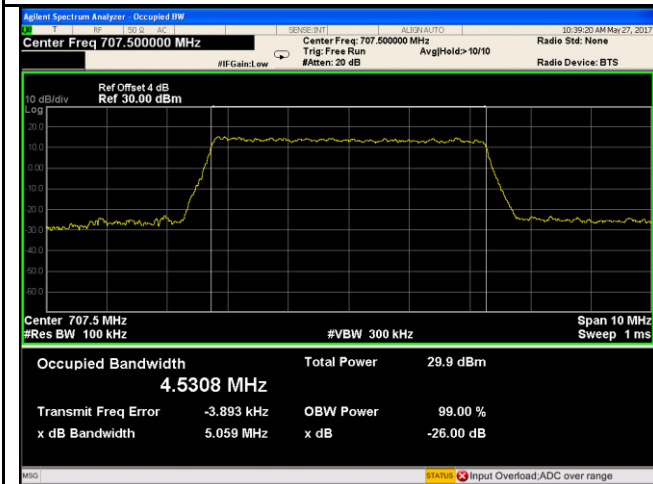
LTE Band XII - High CH 16QAM-3



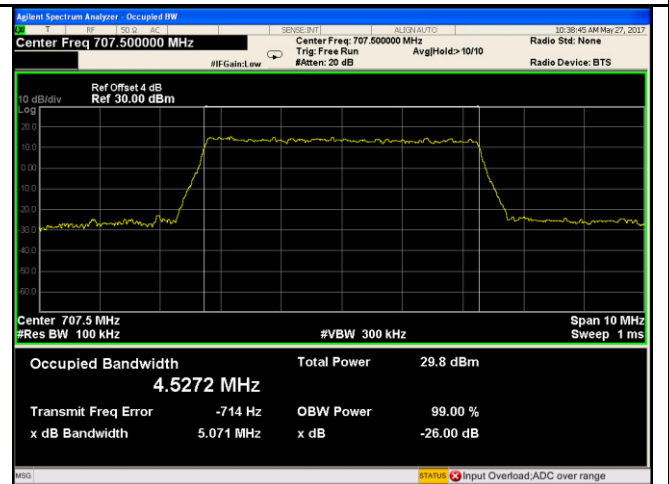
LTE Band XII - Low CH QPSK-5



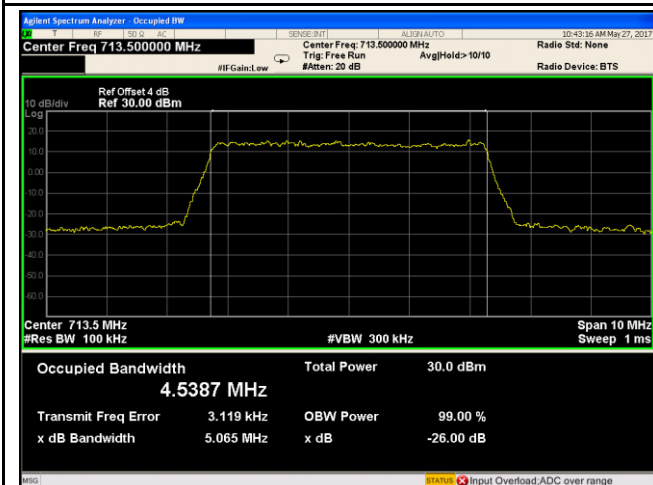
LTE Band XII - Low CH 16QAM-5



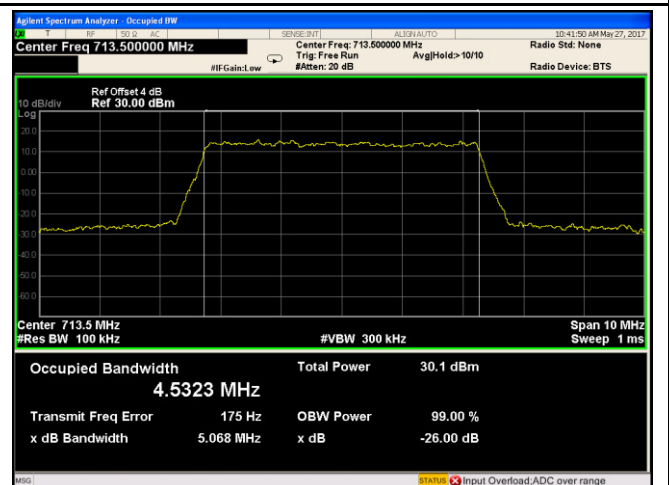
LTE Band XII - Middle CH QPSK-5



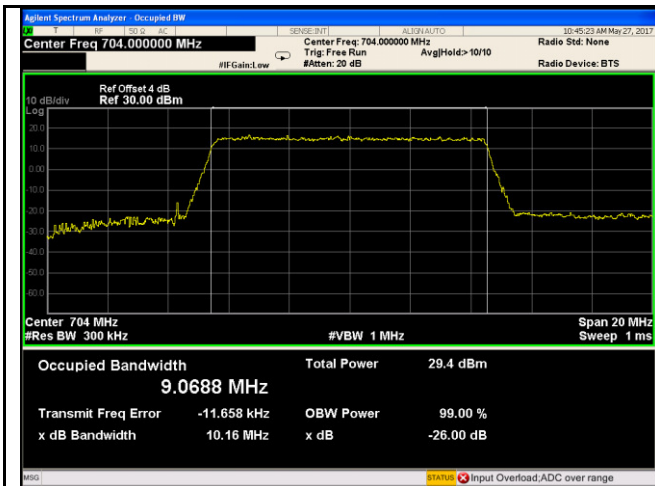
LTE Band XII - Middle CH 16QAM-5



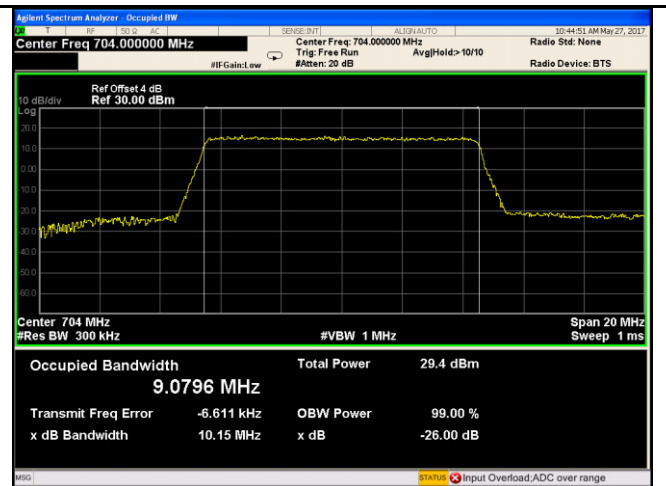
LTE Band XII - High CH QPSK-5



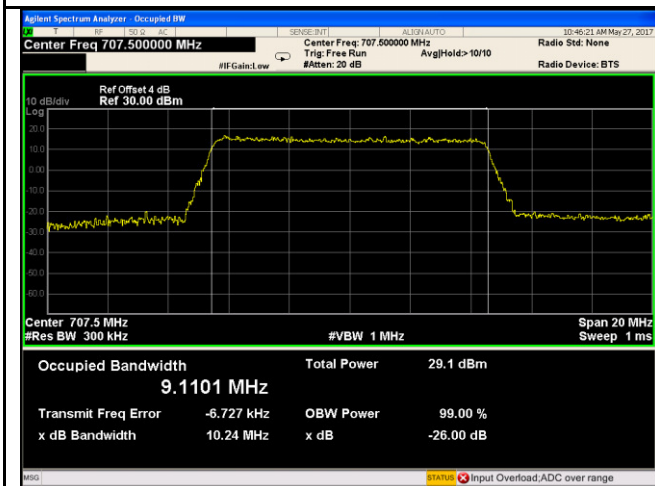
LTE Band XII - High CH 16QAM-5



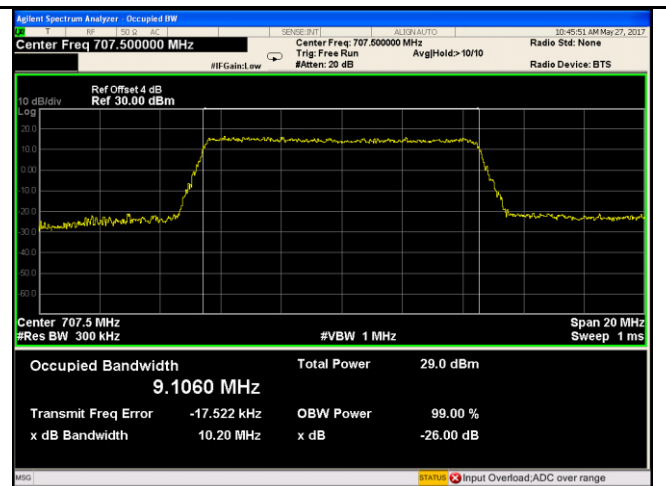
LTE Band XII - Low CH QPSK-10



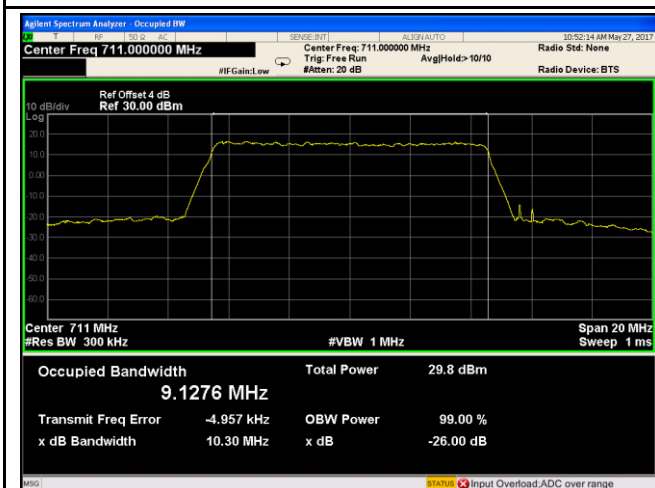
LTE Band XII - Low CH 16QAM-10



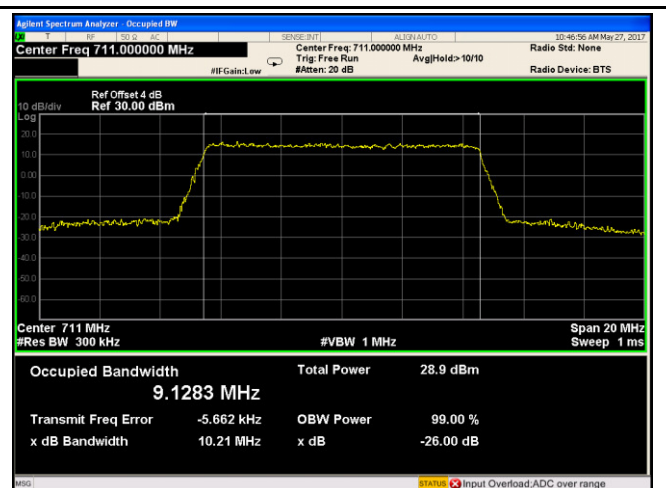
LTE Band XII - Middle CH QPSK-10



LTE Band XII - Middle CH 16QAM-10

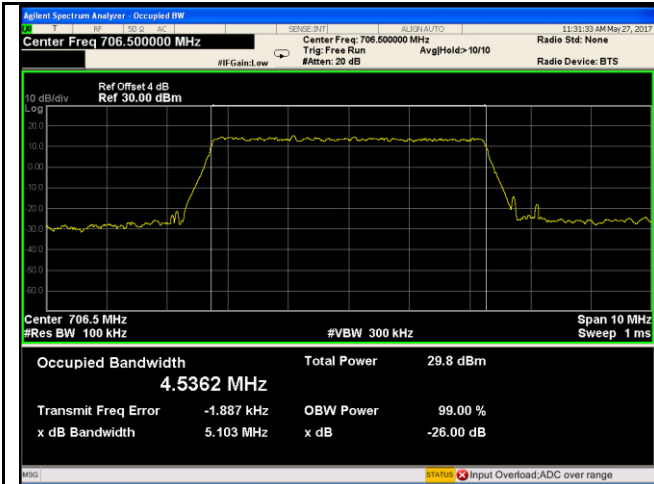


LTE Band XII - High CH QPSK-10

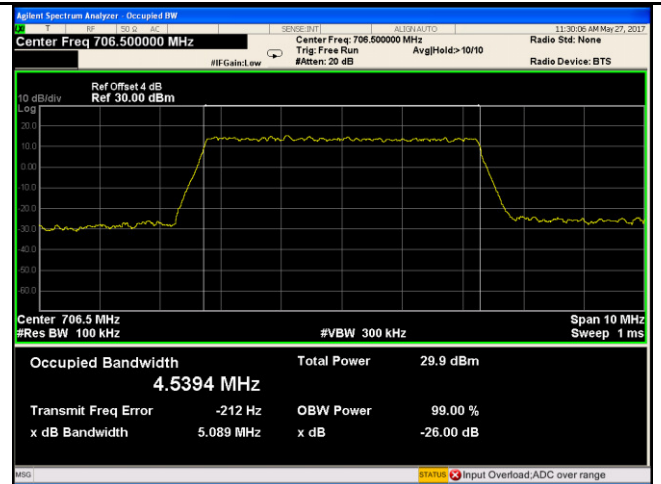


LTE Band XII - High CH 16QAM-10

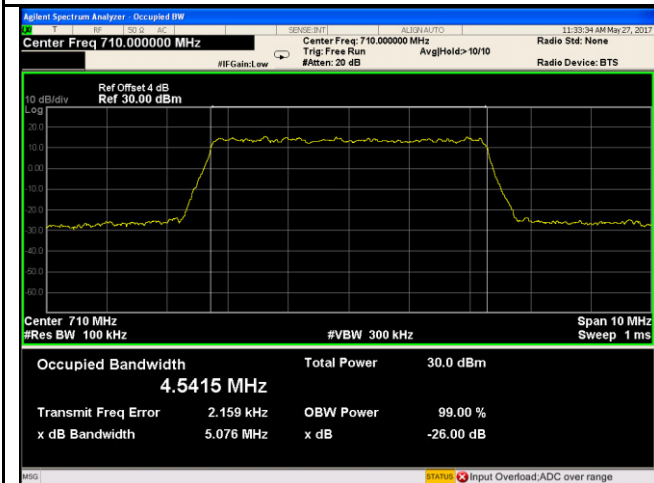
LTE Band XVII (Part 27)



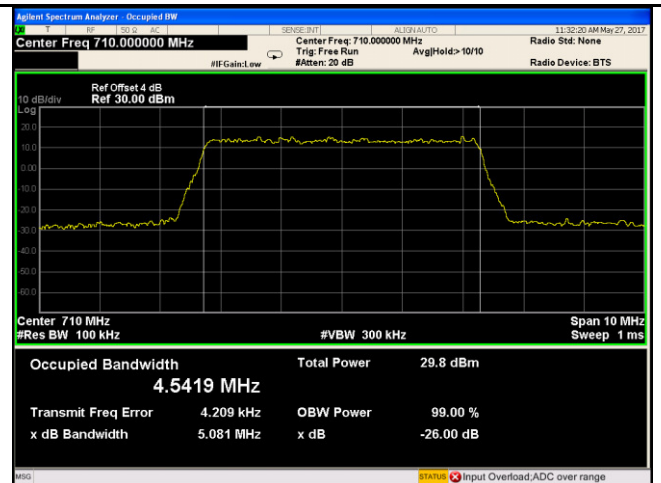
LTE Band XVII - Low CH QPSK-5



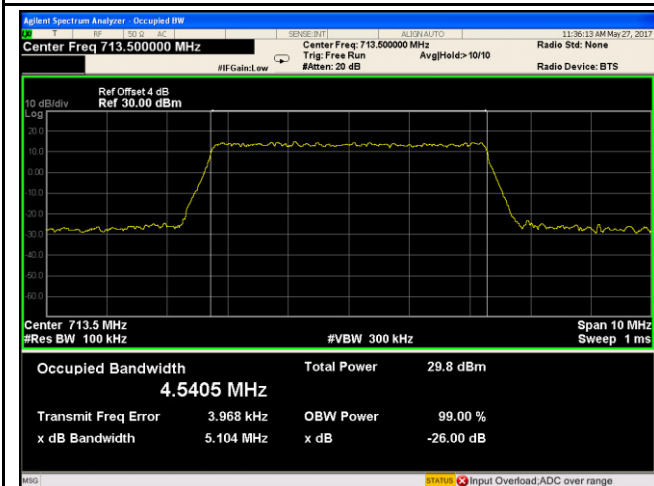
LTE Band XVII - Low CH 16QAM-5



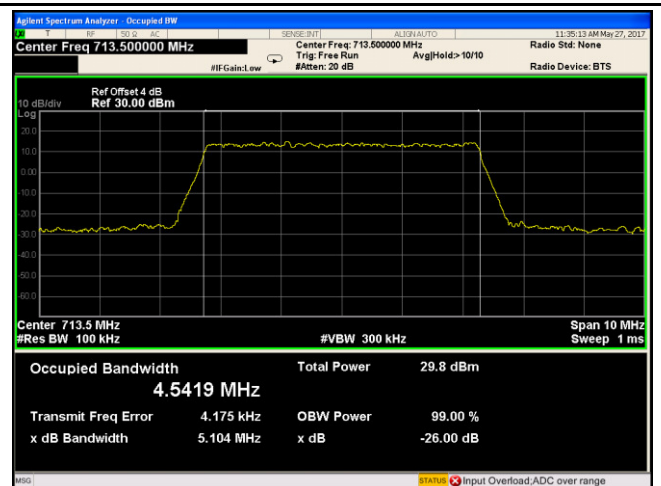
LTE Band XVII - Middle CH QPSK-5



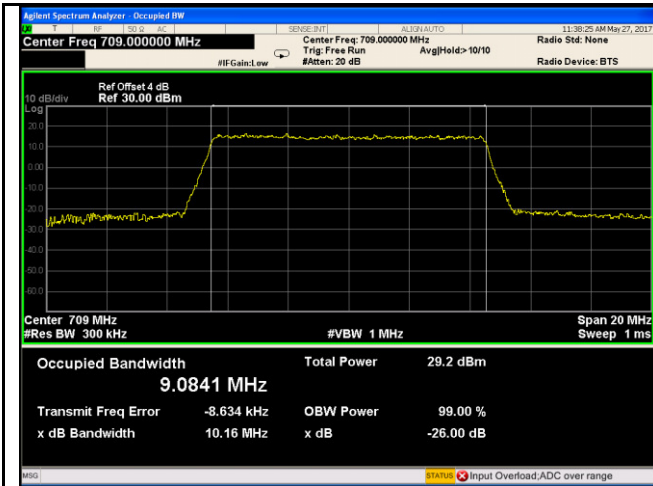
LTE Band XVII - Middle CH 16QAM-5



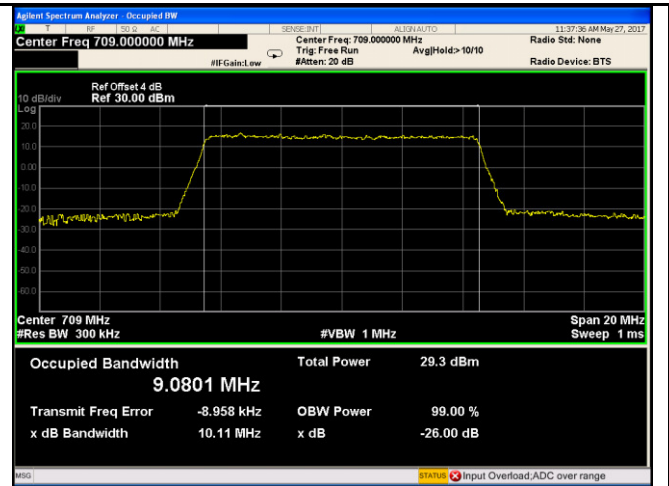
LTE Band XVII - High CH QPSK-5



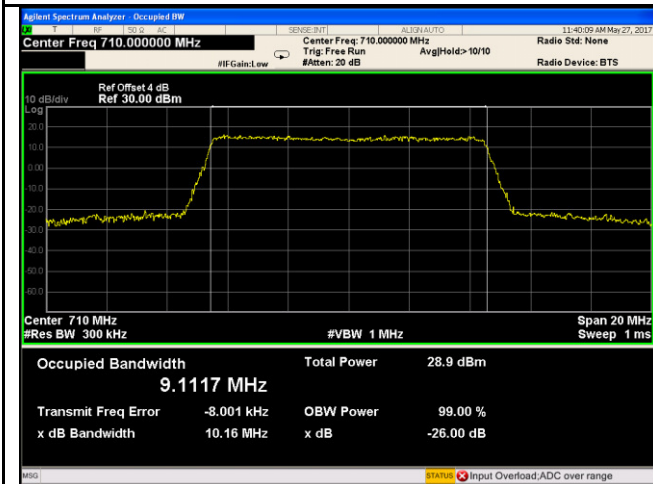
LTE Band XVII - High CH 16QAM-5



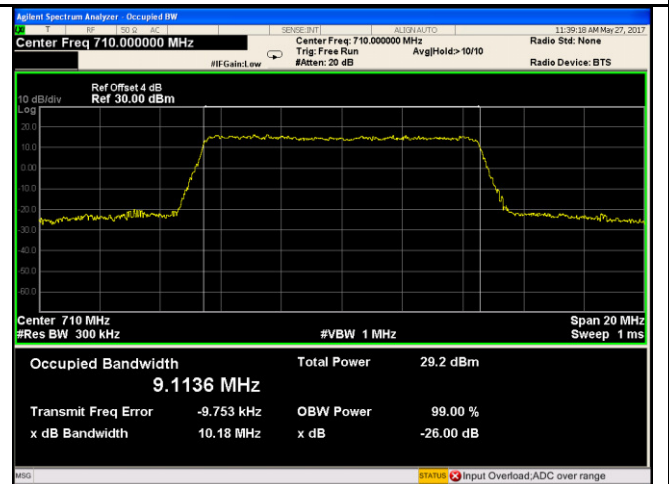
LTE Band XVII - Low CH QPSK-10



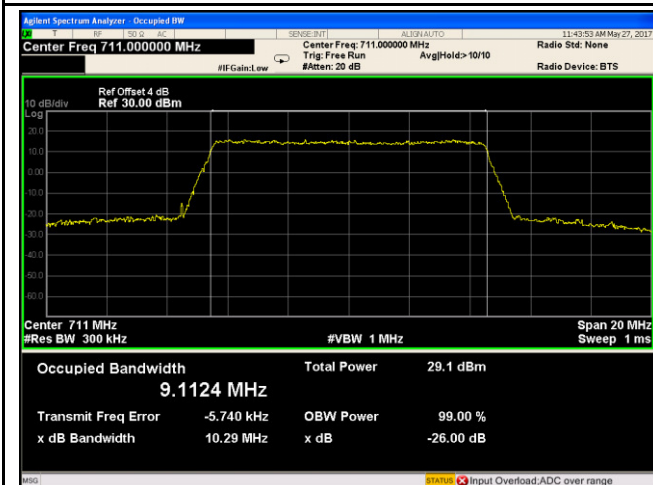
LTE Band XVII - Low CH 16QAM-10



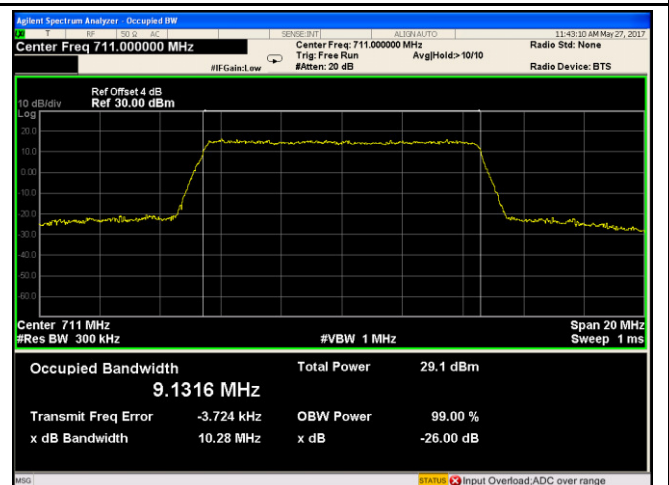
LTE Band XVII - Middle CH QPSK-10



LTE Band XVII - Middle CH 16QAM-10



LTE Band XVII - High CH QPSK-10

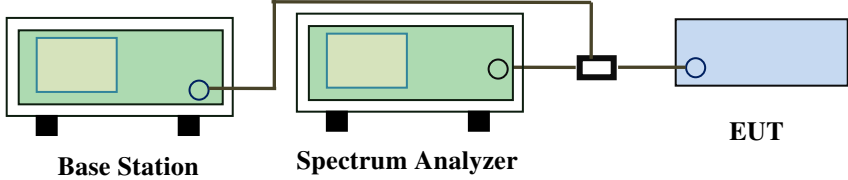


LTE Band XVII - High CH 16QAM-10

6.5 Spurious Emissions at Antenna Terminals

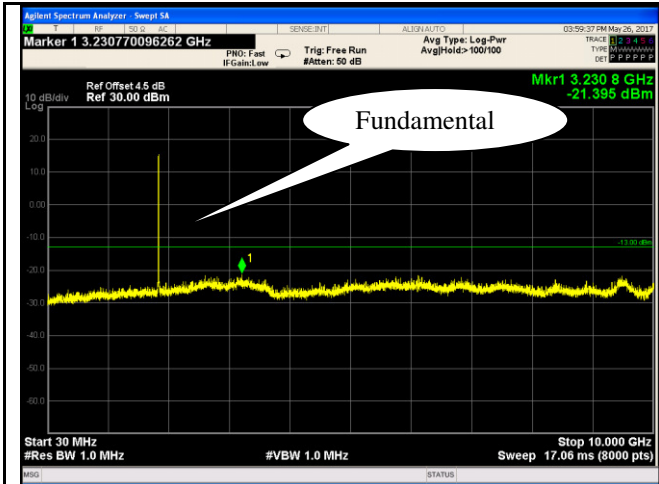
| | |
|----------------------|-----------------|
| Temperature | 25°C |
| Relative Humidity | 56% |
| Atmospheric Pressure | 1020mbar |
| Test date : | May 26&27, 2017 |
| Tested By : | Vera Zhang |

Requirement(s):

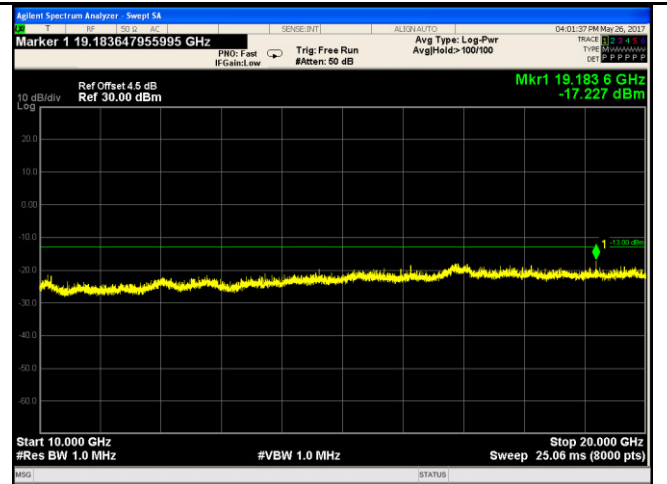
| Spec | Item | Requirement | Applicable |
|---|--|--|-------------------------------------|
| §2.1051, §22.917(a)& §24.238(a) § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log(P)$ dB | <input checked="" type="checkbox"/> |
| Test Setup |  <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider. The Base Station and Spectrum Analyzer are connected to the power divider, which then splits the signal to the Spectrum Analyzer and the EUT.</p> | | |
| Test Procedure | <ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. - Setting RBW as roughly BW/100. | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data Yes N/A
 Test Plot Yes (See below) N/A

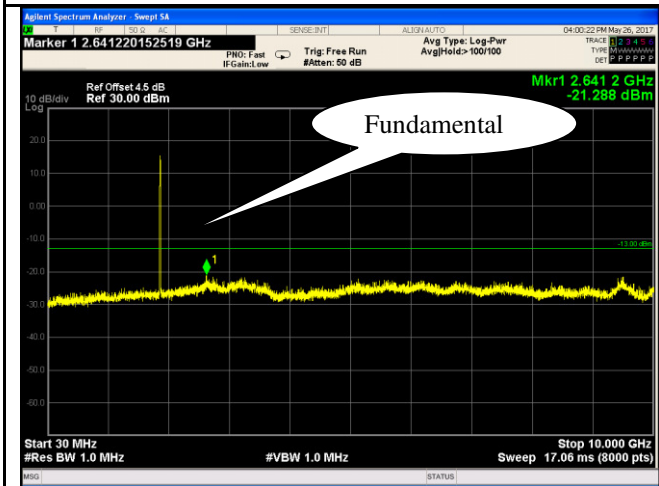
Test Plots 30MHz-5GHz
LTE Band II (Part 24E)



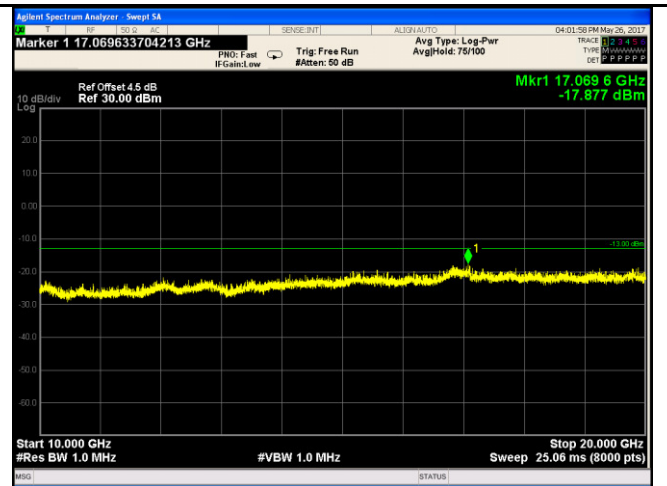
LTE Band II - Low Channel-1



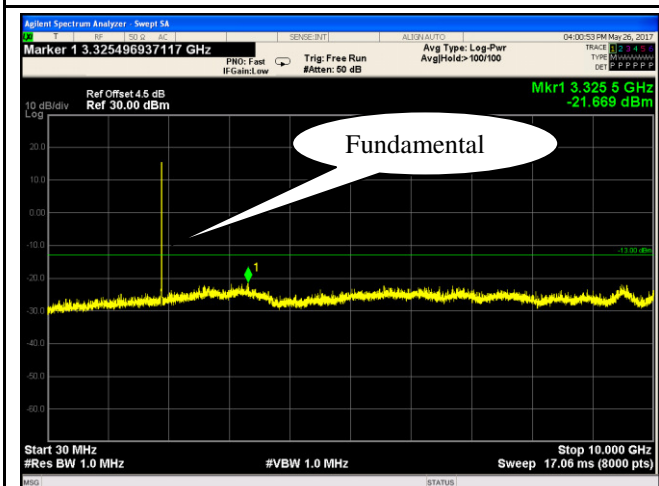
LTE Band II - Low Channel-2



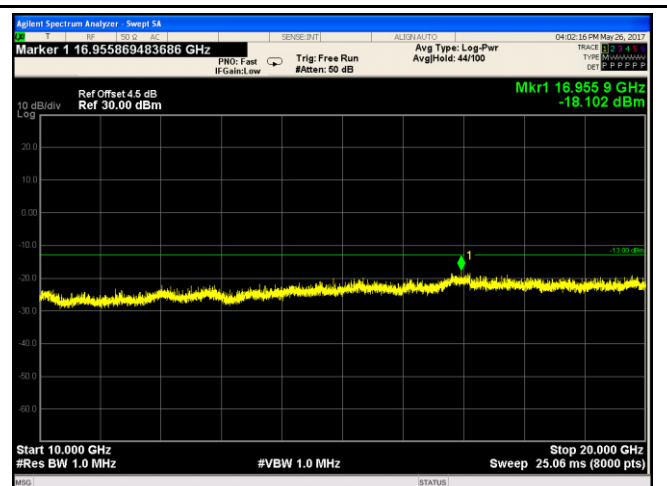
LTE Band II Middle Channel-1



LTE Band II Middle Channel-2

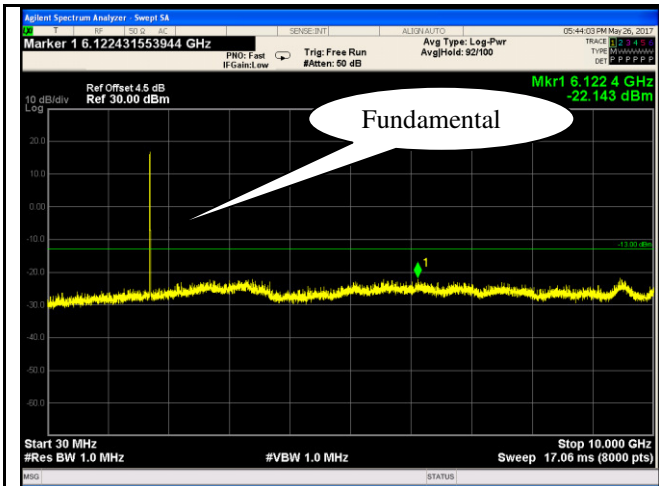


LTE Band II - High Channel-1

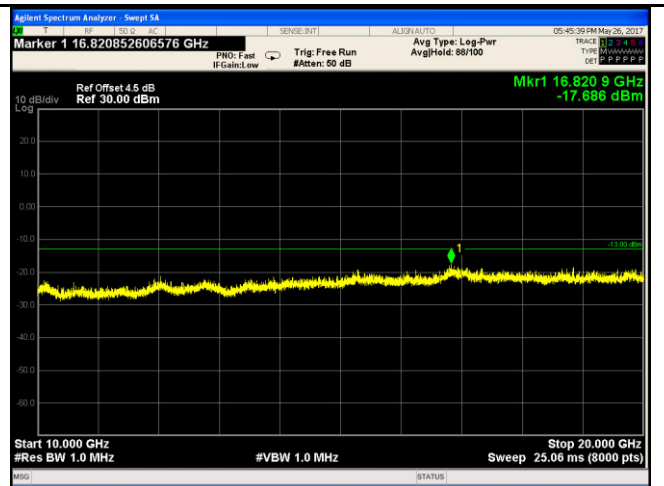


LTE Band II - High Channel-2

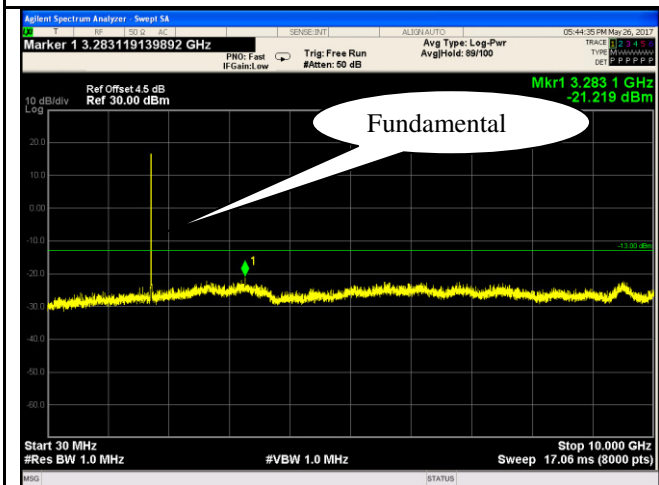
LTE Band IV (Part27) result



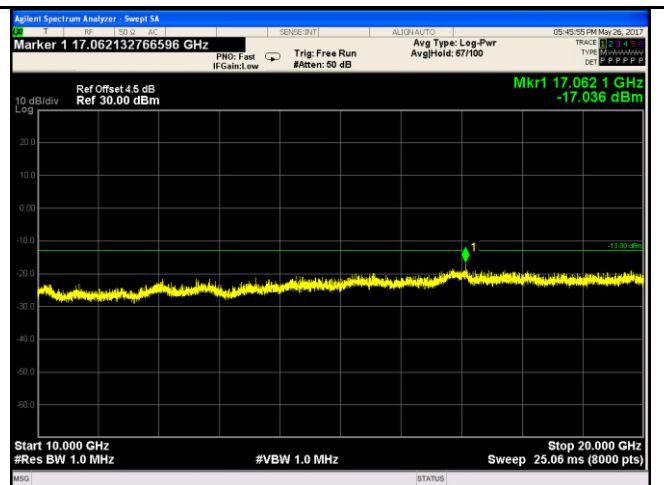
LTE Band IV - Low Channel-1



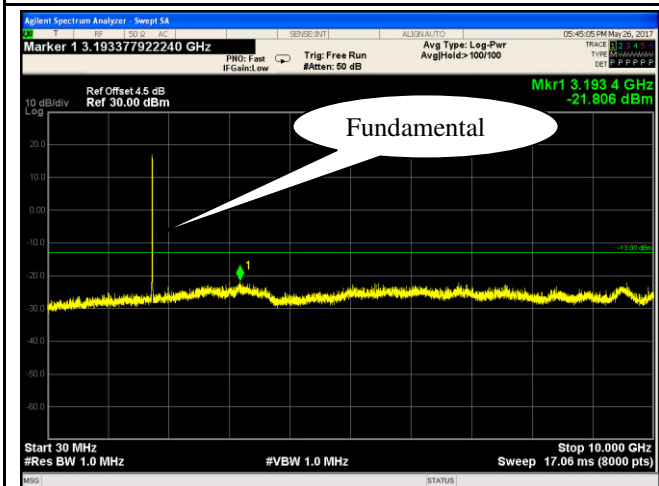
LTE Band IV - Low Channel-2



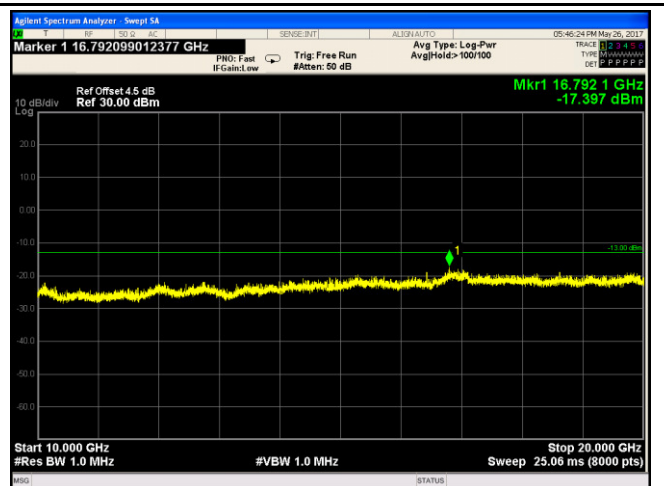
LTE Band IV - Middle Channel-1



LTE Band IV - Middle Channel-2

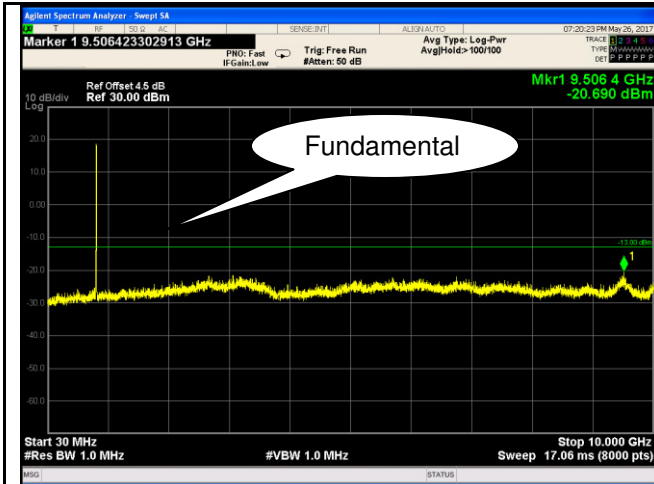


LTE Band IV - High Channel-1

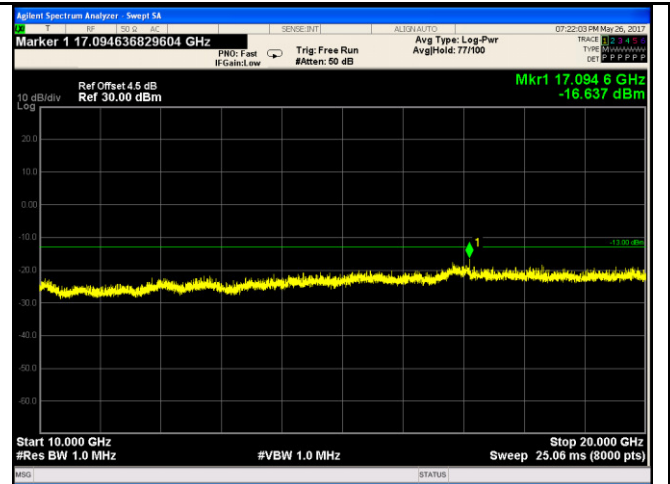


LTE Band IV - High Channel-2

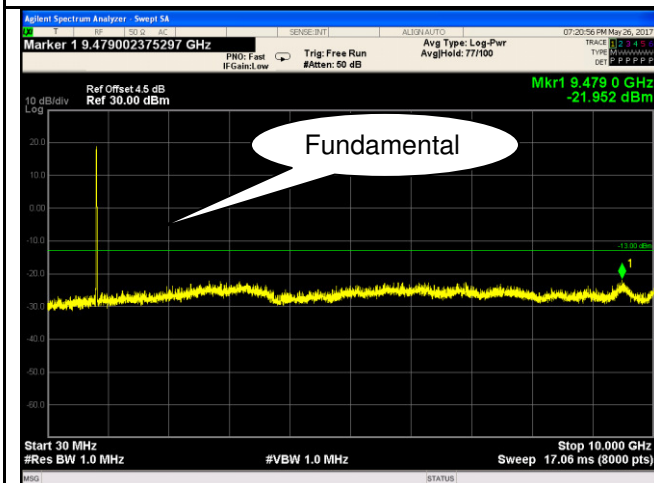
LTE Band V (Part 22H)



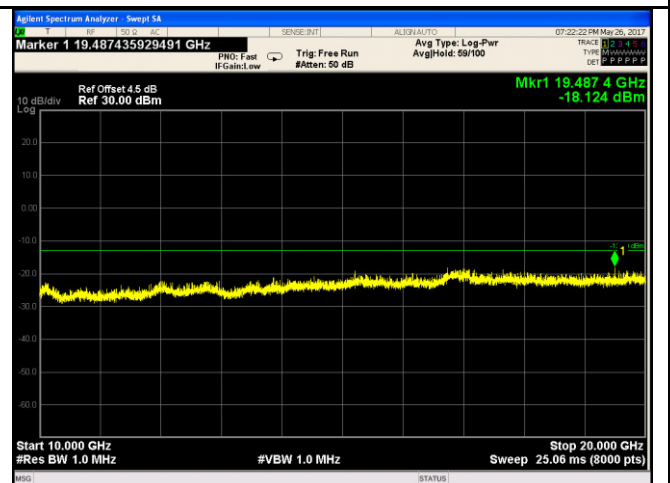
LTE Band V - Low Channel-1



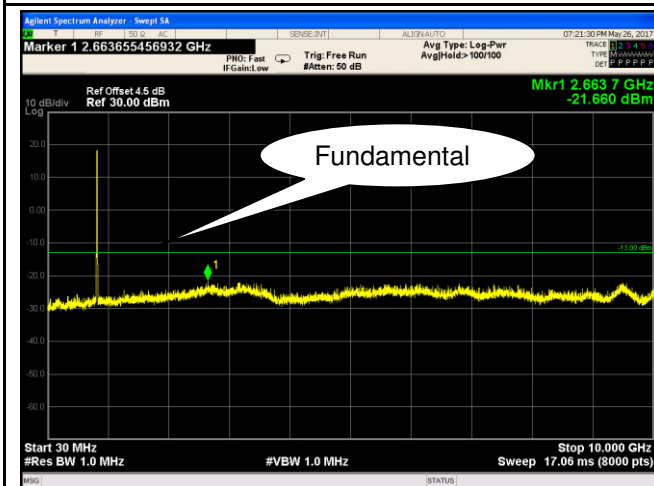
LTE Band V - Low Channel-2



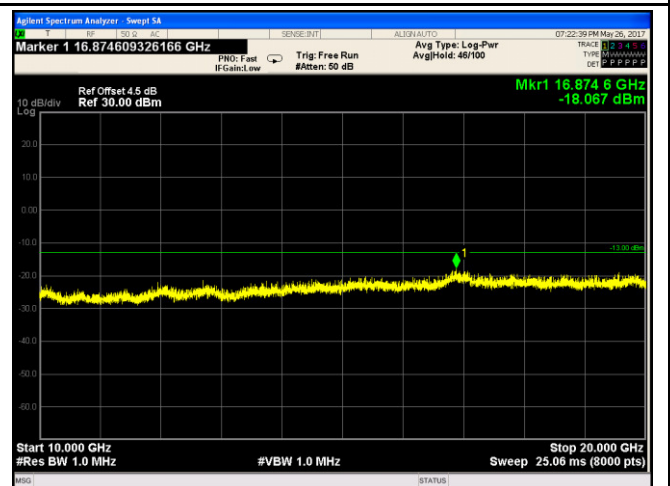
LTE Band V - Middle Channel-1



LTE Band V - Middle Channel-2

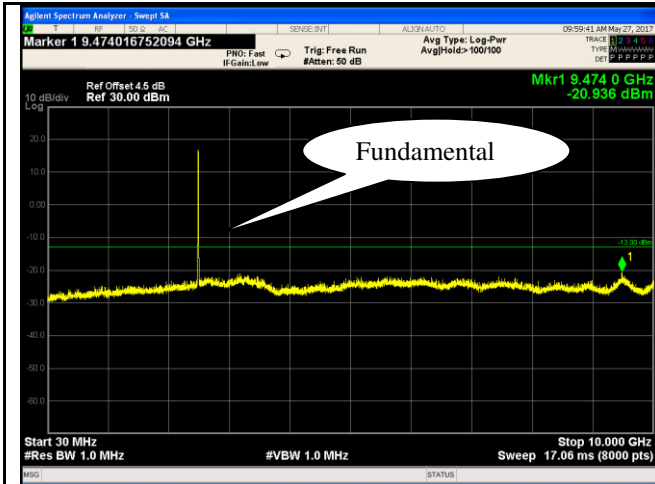


LTE Band V - High Channel-1

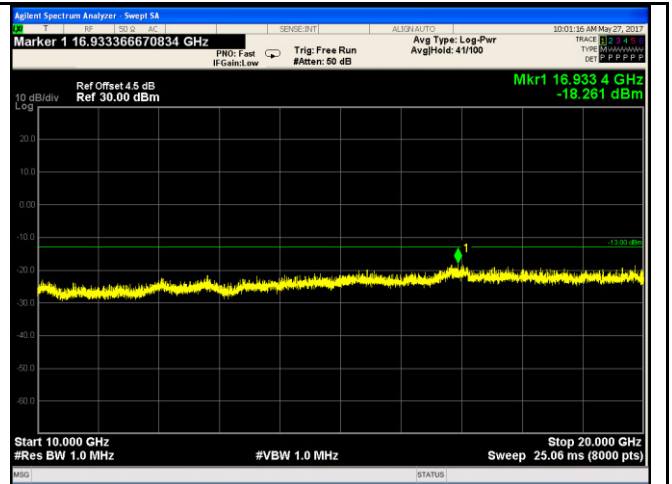


LTE Band V - High Channel-2

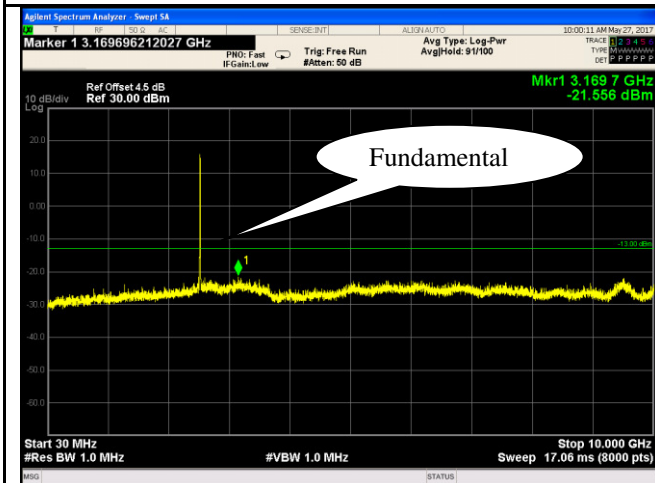
LTE Band VII (Part 27)



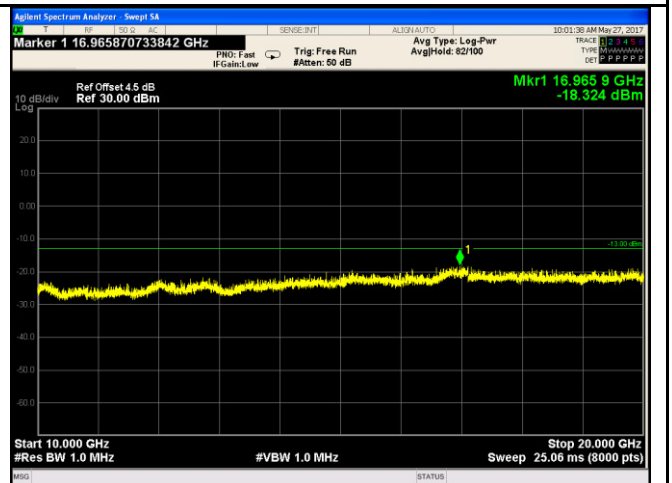
LTE Band VII - Low Channel-1



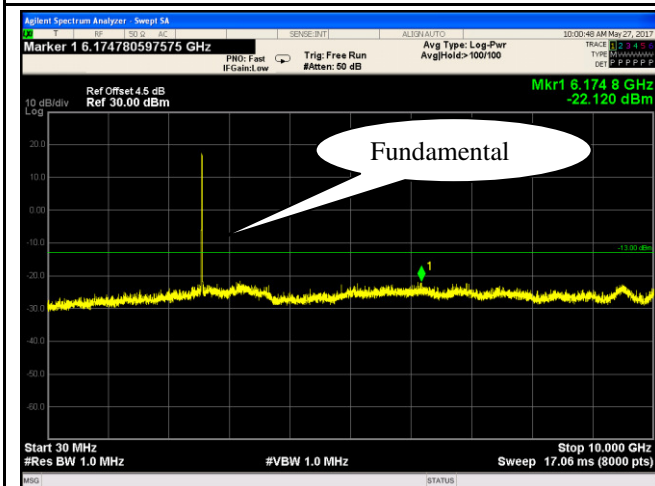
LTE Band VII - Low Channel-2



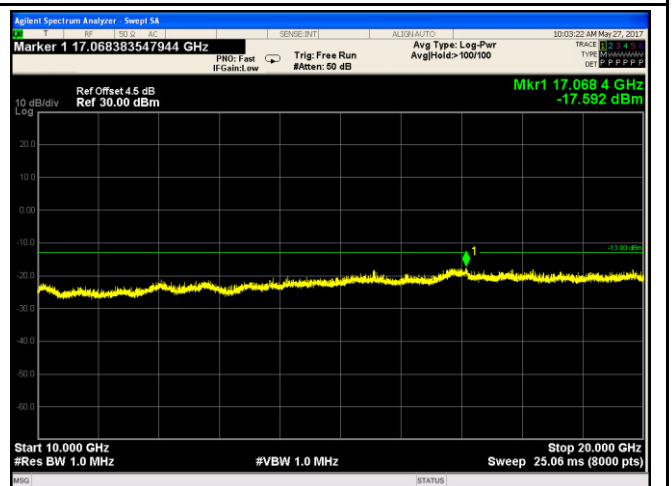
LTE Band VII - Middle Channel-1



LTE Band VII - Middle Channel-2

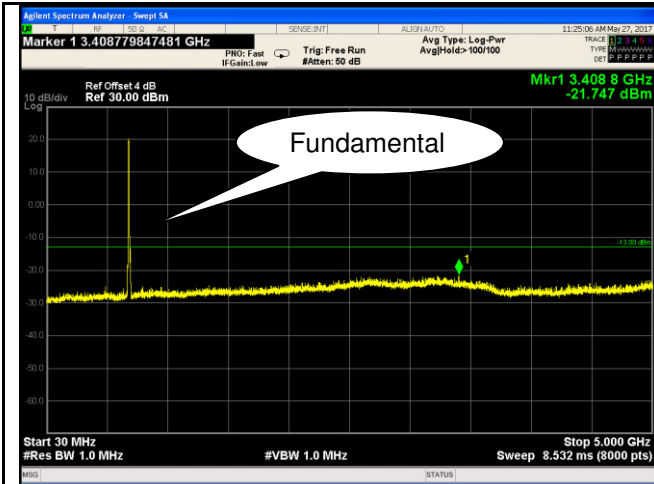


LTE Band VII - High Channel-1

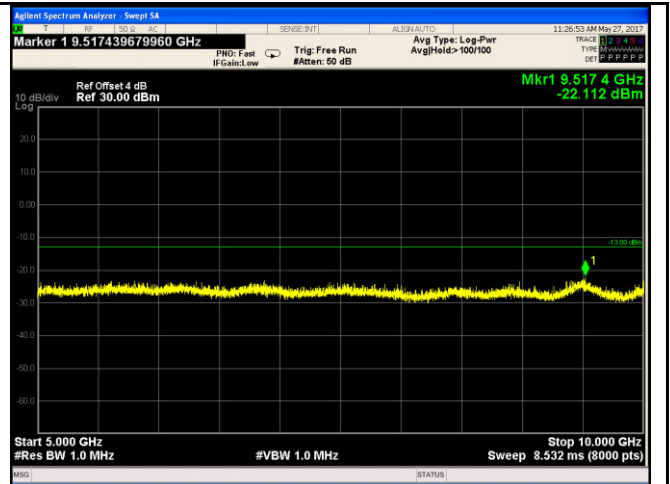


LTE Band VII - High Channel-2

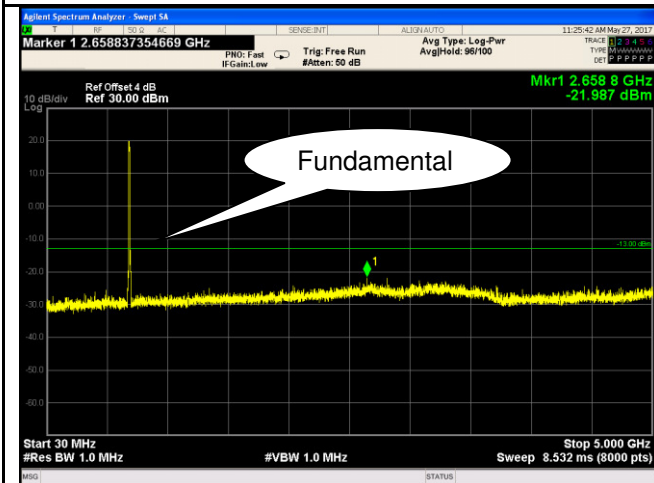
LTE Band XII (Part 27)



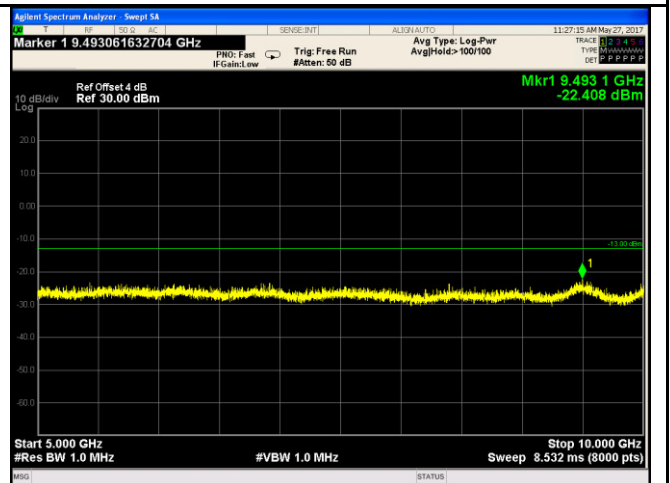
LTE Band XII - Low Channel-1



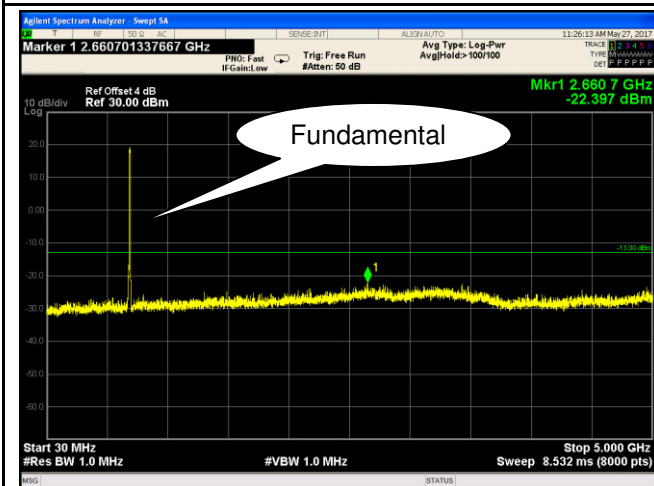
LTE Band XII - Low Channel-2



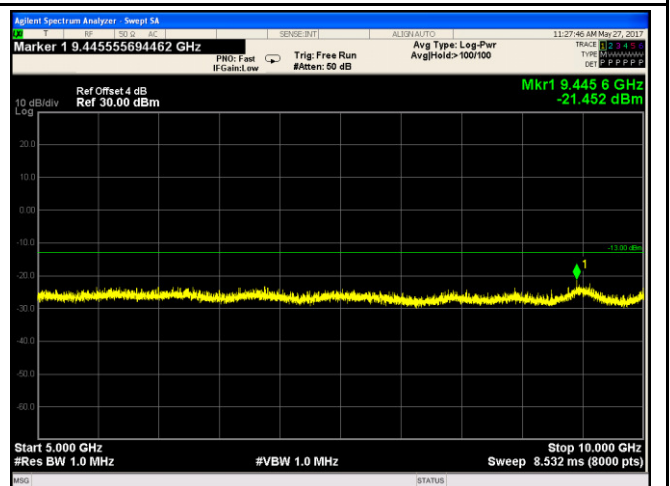
LTE Band XII - Middle Channel-1



LTE Band XII - Middle Channel-2

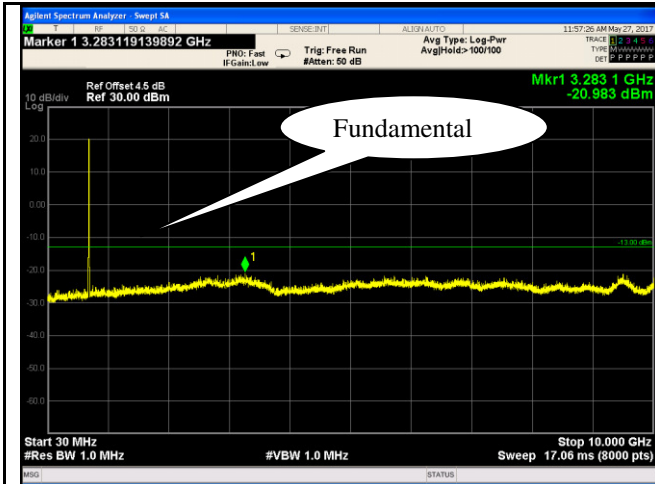


LTE Band XII - High Channel-1

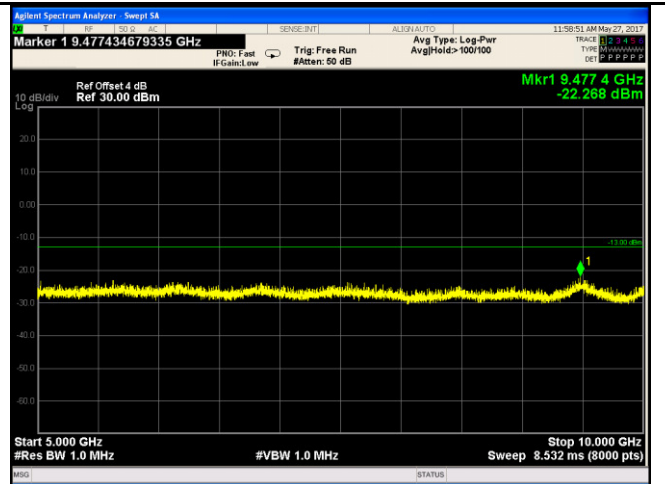


LTE Band XII - High Channel-2

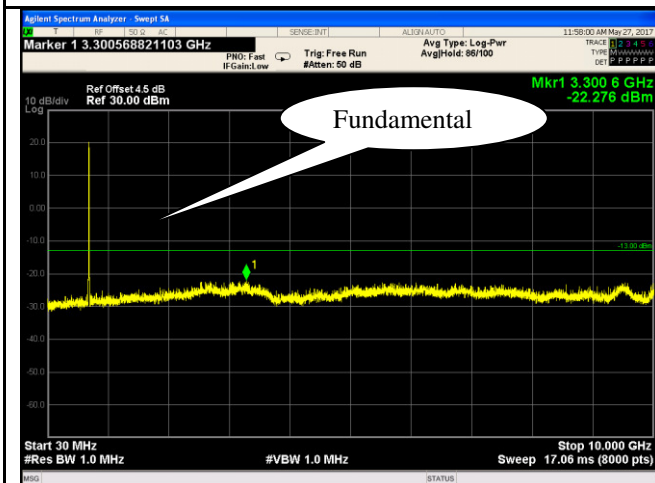
LTE Band XVII (Part 27)



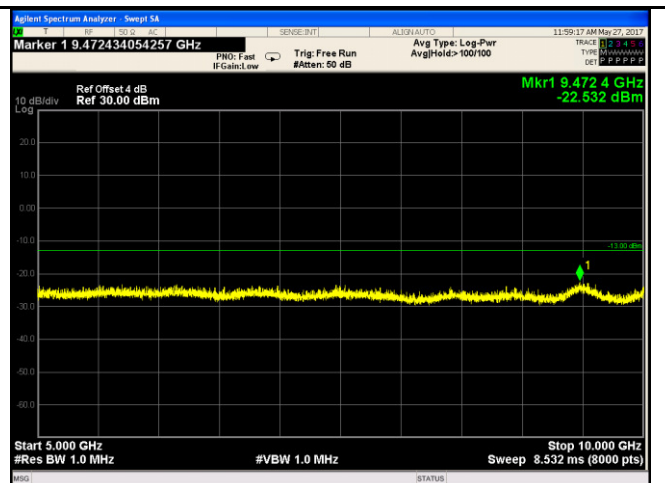
LTE Band XVII - Low Channel-1



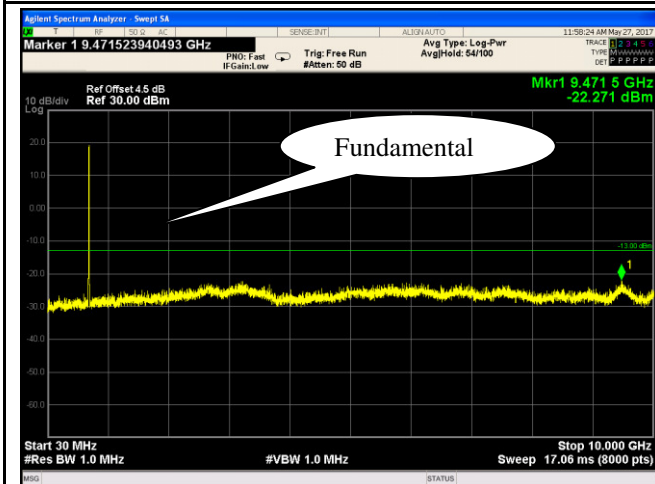
LTE Band XVII - Low Channel-2



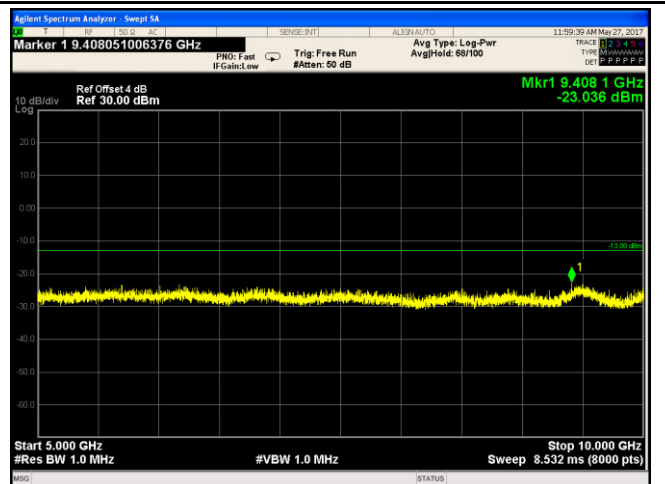
LTE Band XVII - Middle Channel-1



LTE Band XVII - Middle Channel-2



LTE Band XVII - High Channel-1



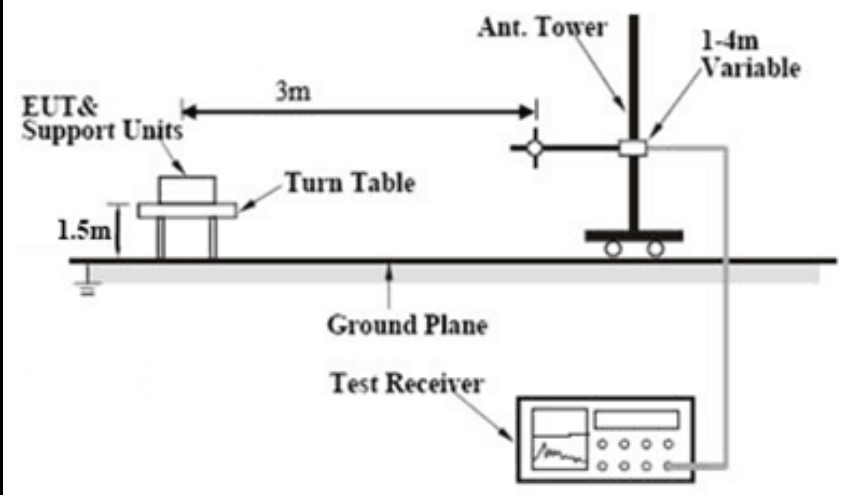
LTE Band XVII - High Channel-2

6.6 Spurious Radiated Emissions

| | |
|----------------------|--------------|
| Temperature | 25°C |
| Relative Humidity | 56% |
| Atmospheric Pressure | 1020mbar |
| Test date : | May 26, 2017 |
| Tested By : | Vera Zhang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--|------|---|-------------------------------------|
| §2.1053, §22.917 & §24.238 § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic. | <input checked="" type="checkbox"/> |

| | |
|------------|--|
| Test setup |  |
|------------|--|

| | |
|----------------|--|
| Test Procedure | <ol style="list-style-type: none"> The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. <p>Sample Calculation:</p> <p>EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)</p> |
|----------------|--|

| | |
|--------|--|
| Remark | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE Band II (Part 24E) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3720 | -46.85 | V | 10.25 | 2.73 | -39.33 | -13 | -26.33 |
| 3720 | -47.13 | H | 10.25 | 2.73 | -39.61 | -13 | -26.61 |
| 50.2 | -45.36 | V | -4.2 | 0.11 | -49.67 | -13 | -36.67 |
| 203.4 | -48.77 | H | 4.6 | 0.18 | -44.35 | -13 | -31.35 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3760 | -46.47 | V | 10.25 | 2.73 | -38.95 | -13 | -25.95 |
| 3760 | -47.25 | H | 10.25 | 2.73 | -39.73 | -13 | -26.73 |
| 50.2 | -45.18 | V | -4.2 | 0.11 | -49.49 | -13 | -36.49 |
| 203.4 | -48.42 | H | 4.6 | 0.18 | -44 | -13 | -31.00 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3800 | -46.22 | V | 10.36 | 2.73 | -38.59 | -13 | -25.59 |
| 3800 | -46.97 | H | 10.36 | 2.73 | -39.34 | -13 | -26.34 |
| 50.2 | -45.31 | V | -4.2 | 0.11 | -49.62 | -13 | -36.62 |
| 203.4 | -47.88 | H | 4.6 | 0.18 | -43.46 | -13 | -30.46 |

Note:

- 1, The testing has been conformed to $10 \times 1907.5 \text{ MHz} = 19,075 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

LTE Band IV (Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3440 | -46.22 | V | 10.06 | 2.52 | -38.68 | -13 | -25.68 |
| 3440 | -47.38 | H | 10.06 | 2.52 | -39.84 | -13 | -26.84 |
| 50.2 | -45.75 | V | -4.2 | 0.11 | -50.06 | -13 | -37.06 |
| 203.4 | -48.52 | H | 4.6 | 0.18 | -44.1 | -13 | -31.10 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3465 | -46.4 | V | 10.09 | 2.52 | -38.83 | -13 | -25.83 |
| 3465 | -47.11 | H | 10.09 | 2.52 | -39.54 | -13 | -26.54 |
| 50.2 | -46.55 | V | -4.2 | 0.11 | -50.86 | -13 | -37.86 |
| 203.4 | -48.91 | H | 4.6 | 0.18 | -44.49 | -13 | -31.49 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 3490 | -45.99 | V | 10.09 | 2.52 | -38.42 | -13 | -25.42 |
| 3490 | -47.13 | H | 10.09 | 2.52 | -39.56 | -13 | -26.56 |
| 50.2 | -46.48 | V | -4.2 | 0.11 | -50.79 | -13 | -37.79 |
| 203.4 | -48.95 | H | 4.6 | 0.18 | -44.53 | -13 | -31.53 |

Note:

- 1, The testing has been conformed to $10 \times 1752.5\text{MHz} = 17,525\text{MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

LTE Band V (Part22H) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1658 | -45.23 | V | 7.95 | 0.78 | -38.06 | -13 | -25.06 |
| 1658 | -45.16 | H | 7.95 | 0.78 | -37.99 | -13 | -24.99 |
| 50.2 | -45.64 | V | -4.2 | 0.11 | -49.95 | -13 | -36.95 |
| 203.4 | -49.33 | H | 4.6 | 0.18 | -44.91 | -13 | -31.91 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1673 | -45.11 | V | 7.95 | 0.78 | -37.94 | -13 | -24.94 |
| 1673 | -45.02 | H | 7.95 | 0.78 | -37.85 | -13 | -24.85 |
| 50.2 | -45.18 | V | -4.2 | 0.11 | -49.49 | -13 | -36.49 |
| 203.4 | -49.27 | H | 4.6 | 0.18 | -44.85 | -13 | -31.85 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1688 | -44.93 | V | 7.95 | 0.78 | -37.76 | -13 | -24.76 |
| 1688 | -44.96 | H | 7.95 | 0.78 | -37.79 | -13 | -24.79 |
| 50.2 | -45.2 | V | -4.2 | 0.11 | -49.51 | -13 | -36.51 |
| 203.4 | -48.85 | H | 4.6 | 0.18 | -44.43 | -13 | -31.43 |

Note:

- 1, The testing has been conformed to $10 \times 846.5 \text{ MHz} = 8,465 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

LTE Band VII (Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 5020 | -47.85 | V | 10.29 | 0.98 | -38.54 | -13 | -25.54 |
| 5020 | -47.67 | H | 10.29 | 0.98 | -38.36 | -13 | -25.36 |
| 50.2 | -46.33 | V | -4.2 | 0.11 | -50.64 | -13 | -37.64 |
| 203.4 | -47.95 | H | 4.6 | 0.18 | -43.53 | -13 | -30.53 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 5070 | -47.79 | V | 10.3 | 0.99 | -38.48 | -13 | -25.48 |
| 5070 | -47.82 | H | 10.3 | 0.99 | -38.51 | -13 | -25.51 |
| 50.2 | -45.34 | V | -4.2 | 0.11 | -49.65 | -13 | -36.65 |
| 203.4 | -47.83 | H | 4.6 | 0.18 | -43.41 | -13 | -30.41 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 5120 | -47.95 | V | 10.32 | 1 | -38.63 | -13 | -25.63 |
| 5120 | -47.88 | H | 10.32 | 1 | -38.56 | -13 | -25.56 |
| 50.2 | -45.64 | V | -4.2 | 0.11 | -49.95 | -13 | -36.95 |
| 203.4 | -47.55 | H | 4.6 | 0.18 | -43.13 | -13 | -30.13 |

Note:

- 1, The testing has been conformed to $10 \times 2567.5 \text{ MHz} = 25,675 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

LTE Band XII (Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1408 | -47.66 | V | 7.65 | 0.75 | -40.76 | -13 | -27.76 |
| 1408 | -46.94 | H | 7.65 | 0.75 | -40.04 | -13 | -27.04 |
| 50.2 | -48.97 | V | 6.5 | 0.36 | -42.83 | -13 | -29.83 |
| 203.4 | -49.67 | H | 6.8 | 0.44 | -43.31 | -13 | -30.31 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1415 | -47.38 | V | 7.65 | 0.75 | -40.48 | -13 | -27.48 |
| 1415 | -46.79 | H | 7.65 | 0.75 | -39.89 | -13 | -26.89 |
| 50.2 | -49.32 | V | 6.5 | 0.36 | -43.18 | -13 | -30.18 |
| 203.4 | -49.11 | H | 6.8 | 0.44 | -42.75 | -13 | -29.75 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1422 | -46.85 | V | 7.65 | 0.75 | -39.95 | -13 | -26.95 |
| 1422 | -47.13 | H | 7.65 | 0.75 | -40.23 | -13 | -27.23 |
| 50.2 | -50.02 | V | 6.5 | 0.36 | -43.88 | -13 | -30.88 |
| 203.4 | -49.34 | H | 6.8 | 0.44 | -42.98 | -13 | -29.98 |

Note:

- 1, The testing has been conformed to $10 \times 715.3 \text{ MHz} = 7,153 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

LTE Band XVII (Part27) result

Low channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1418 | -44.54 | V | 7.65 | 0.75 | -37.64 | -13 | -24.64 |
| 1418 | -44.83 | H | 7.65 | 0.75 | -37.93 | -13 | -24.93 |
| 50.2 | -45.21 | V | -4.2 | 0.11 | -49.52 | -13 | -36.52 |
| 203.4 | -48.95 | H | 4.6 | 0.18 | -44.53 | -13 | -31.53 |

Middle channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1420 | -43.86 | V | 7.65 | 0.75 | -36.96 | -13 | -23.96 |
| 1420 | -44.88 | H | 7.65 | 0.75 | -37.98 | -13 | -24.98 |
| 50.2 | -45.37 | V | -4.2 | 0.11 | -49.68 | -13 | -36.68 |
| 203.4 | -48.72 | H | 4.6 | 0.18 | -44.3 | -13 | -31.3 |

High channel

| Frequency (MHz) | Substituted level (dBm) | Polarity (H/V) | Antenna Gain Correction (dB) | Cable Loss (dB) | Corrected Reading (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------|----------------|------------------------------|-----------------|-------------------------|-------------|-------------|
| 1422 | -44.15 | V | 7.65 | 0.75 | -37.25 | -13 | -24.25 |
| 1422 | -44.98 | H | 7.65 | 0.75 | -38.08 | -13 | -25.08 |
| 50.2 | -45.26 | V | -4.2 | 0.11 | -49.57 | -13 | -36.57 |
| 203.4 | -48.93 | H | 4.6 | 0.18 | -44.51 | -13 | -31.51 |

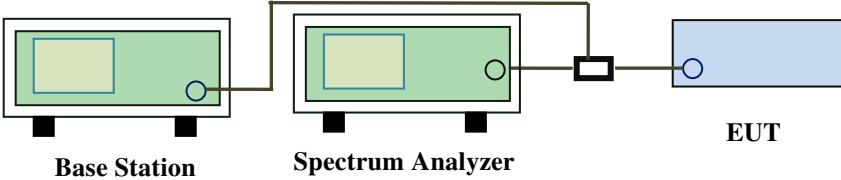
Note:

- 1, The testing has been conformed to $10 \times 713.5\text{MHz} = 7,135\text{MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

6.7 Band Edge

| | |
|----------------------|-----------------|
| Temperature | 25°C |
| Relative Humidity | 56% |
| Atmospheric Pressure | 1020mbar |
| Test date : | May 26&27, 2017 |
| Tested By : | Vera Zhang |

Requirement(s):

| Spec | Item | Requirement | Applicable |
|--|--|--|-------------------------------------|
| §22.917(a) §24.238(a) § 27.53(h) | a) | The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. | <input checked="" type="checkbox"/> |
| Test setup |  <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) through a power divider (black box). The Base Station and Spectrum Analyzer are connected to the power divider, which then splits the signal to the EUT.</p> | | |
| Procedure | <ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. | | |
| Remark | | | |
| Result | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | | |

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE Band II (Part 24E) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|---------|-----------------|-------|----------------|-------------|
| 1.4 | 18607 | 1850 | QPSK | -31.148 | -13 |
| | | | 16QAM | -30.437 | -13 |
| 1.4 | 18900 | 1910 | QPSK | -29.726 | -13 |
| | | | 16QAM | -29.795 | -13 |
| 3 | 18615 | 1850 | QPSK | -23.534 | -13 |
| | | | 16QAM | -23.460 | -13 |
| 3 | 19185 | 1910 | QPSK | -24.041 | -13 |
| | | | 16QAM | -23.947 | -13 |
| 5 | 18625 | 1850 | QPSK | -20.473 | -13 |
| | | | 16QAM | -20.700 | -13 |
| 5 | 19175 | 1910 | QPSK | -22.851 | -13 |
| | | | 16QAM | -23.081 | -13 |
| 10 | 18650 | 1850 | QPSK | -24.158 | -13 |
| | | | 16QAM | -22.516 | -13 |
| 10 | 19150 | 1910 | QPSK | -23.444 | -13 |
| | | | 16QAM | -23.026 | -13 |
| 15 | 18675 | 1850 | QPSK | -26.265 | -13 |
| | | | 16QAM | -27.297 | -13 |
| 15 | 19125 | 1910 | QPSK | -25.692 | -13 |
| | | | 16QAM | -23.952 | -13 |
| 20 | 18700 | 1850 | QPSK | -24.975 | -13 |
| | | | 16QAM | -25.039 | -13 |
| 20 | 19100 | 1910 | QPSK | -26.661 | -13 |
| | | | 16QAM | -27.167 | -13 |

LTE Band IV (Part 27) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|---------|-----------------|-------|----------------|-------------|
| 1.4 | 19957 | 1709.9 | QPSK | -30.182 | -13 |
| | | | 16QAM | -29.478 | -13 |
| 1.4 | 20393 | 1755 | QPSK | -29.573 | -13 |
| | | | 16QAM | -28.946 | -13 |
| 3 | 19965 | 1709.9 | QPSK | -22.415 | -13 |
| | | | 16QAM | -22.505 | -13 |
| 3 | 20385 | 1755 | QPSK | -23.421 | -13 |
| | | | 16QAM | -23.732 | -13 |
| 5 | 19975 | 1709.9 | QPSK | -20.009 | -13 |
| | | | 16QAM | -18.257 | -13 |
| 5 | 20375 | 1755 | QPSK | -22.149 | -13 |
| | | | 16QAM | -21.463 | -13 |
| 10 | 20000 | 1709.9 | QPSK | -21.796 | -13 |
| | | | 16QAM | -20.877 | -13 |
| 10 | 20350 | 1755 | QPSK | -21.332 | -13 |
| | | | 16QAM | -21.198 | -13 |
| 15 | 20025 | 1709.9 | QPSK | -23.078 | -13 |
| | | | 16QAM | -22.347 | -13 |
| 15 | 20325 | 1755 | QPSK | -24.927 | -13 |
| | | | 16QAM | -24.789 | -13 |
| 20 | 20050 | 1709.9 | QPSK | -27.903 | -13 |
| | | | 16QAM | -25.889 | -13 |
| 20 | 20300 | 1755 | QPSK | -25.649 | -13 |
| | | | 16QAM | -28.423 | -13 |

LTE Band V (Part 22H) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|---------|-----------------|-------|----------------|-------------|
| 1.4 | 20407 | 823.9 | QPSK | -21.872 | -13 |
| | | | 16QAM | -22.709 | -13 |
| 1.4 | 20643 | 849 | QPSK | -25.258 | -13 |
| | | | 16QAM | -24.836 | -13 |
| 3 | 20415 | 824 | QPSK | -19.156 | -13 |
| | | | 16QAM | -19.453 | -13 |
| 3 | 20635 | 849 | QPSK | -21.665 | -13 |
| | | | 16QAM | -22.383 | -13 |
| 5 | 20425 | 824 | QPSK | -18.337 | -13 |
| | | | 16QAM | -19.414 | -13 |
| 5 | 20625 | 849 | QPSK | -19.174 | -13 |
| | | | 16QAM | -18.323 | -13 |
| 10 | 20450 | 824 | QPSK | -18.610 | -13 |
| | | | 16QAM | -18.610 | -13 |
| 10 | 20800 | 849 | QPSK | -19.130 | -13 |
| | | | 16QAM | -19.003 | -13 |

LTE Band XII (Part 27) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|---------|-----------------|-------|----------------|-------------|
| 1.4 | 23017 | 699 | QPSK | -28.650 | -13 |
| | | | 16QAM | -29.267 | -13 |
| 1.4 | 23173 | 716 | QPSK | -28.202 | -13 |
| | | | 16QAM | -28.512 | -13 |
| 3 | 23025 | 699 | QPSK | -20.999 | -13 |
| | | | 16QAM | -20.540 | -13 |
| 3 | 23165 | 716 | QPSK | -19.406 | -13 |
| | | | 16QAM | -20.509 | -13 |
| 5 | 23035 | 699 | QPSK | -15.730 | -13 |
| | | | 16QAM | -16.774 | -13 |
| 5 | 23155 | 716 | QPSK | -17.396 | -13 |
| | | | 16QAM | -17.352 | -13 |
| 10 | 23060 | 698 | QPSK | -17.438 | -13 |
| | | | 16QAM | -17.479 | -13 |
| 10 | 23130 | 716 | QPSK | -15.949 | -13 |
| | | | 16QAM | -15.913 | -13 |

LTE Band XVII (Part 27) result

| BW(MHz) | Channel | Frequency (MHz) | Mode | Emission (dBm) | Limit (dBm) |
|---------|---------|-----------------|-------|----------------|-------------|
| 5 | 23755 | 704 | QPSK | -15.381 | -13 |
| | | | 16QAM | -15.681 | -13 |
| 5 | 23825 | 716 | QPSK | -17.569 | -13 |
| | | | 16QAM | -18.097 | -13 |
| 10 | 23780 | 704 | QPSK | -17.259 | -13 |
| | | | 16QAM | -16.309 | -13 |
| 10 | 23800 | 716 | QPSK | -16.166 | -13 |
| | | | 16QAM | -15.945 | -13 |