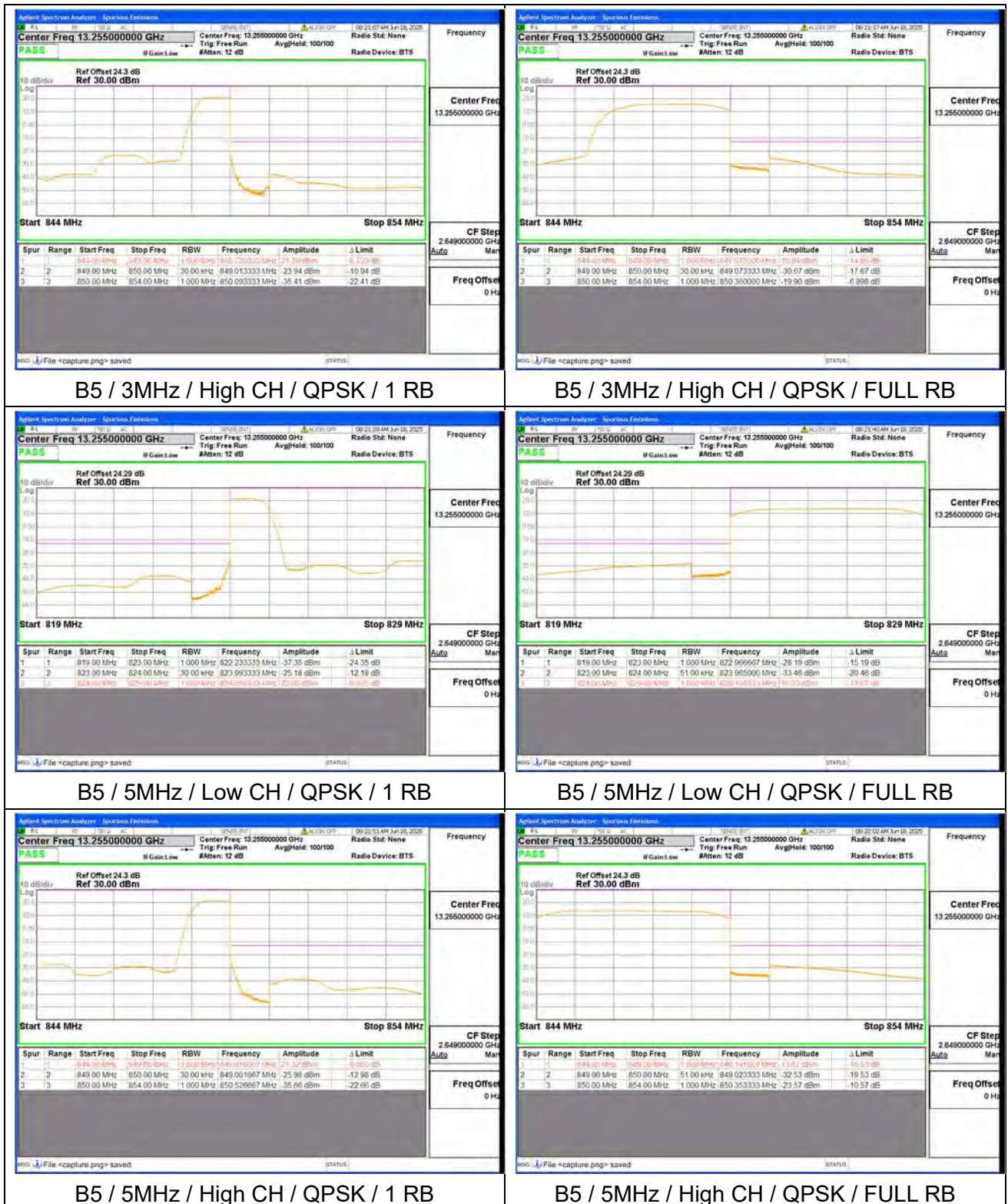
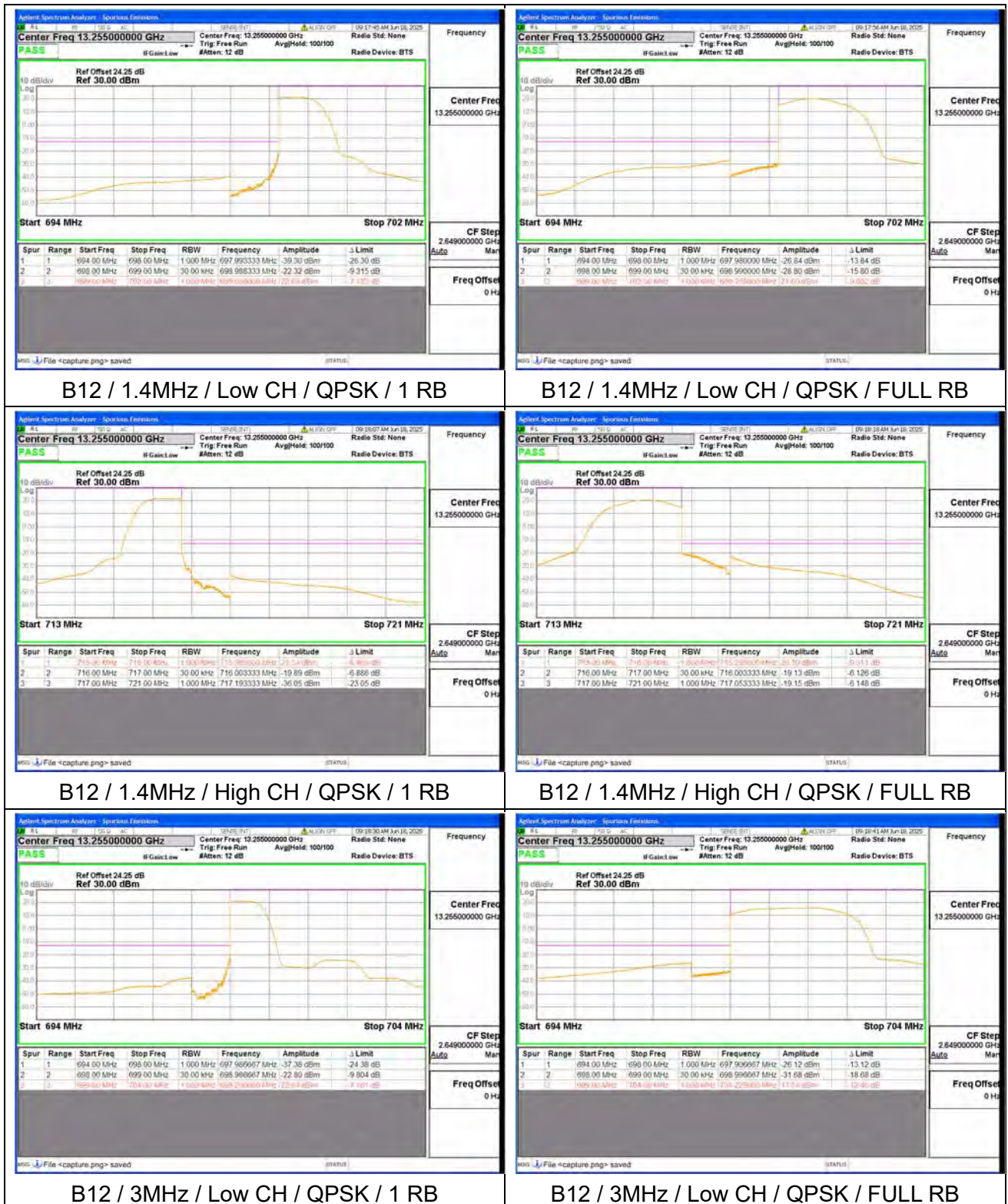
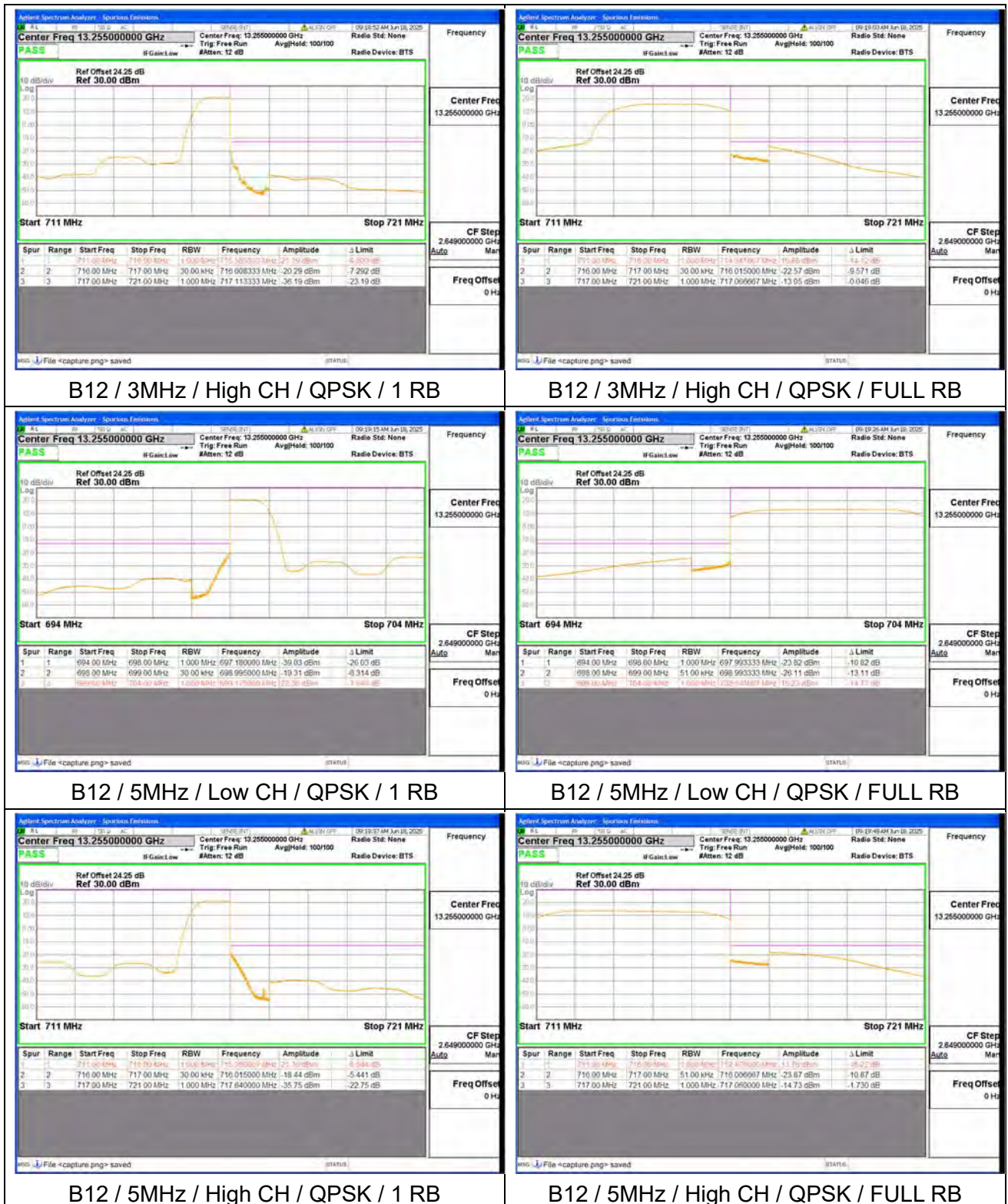
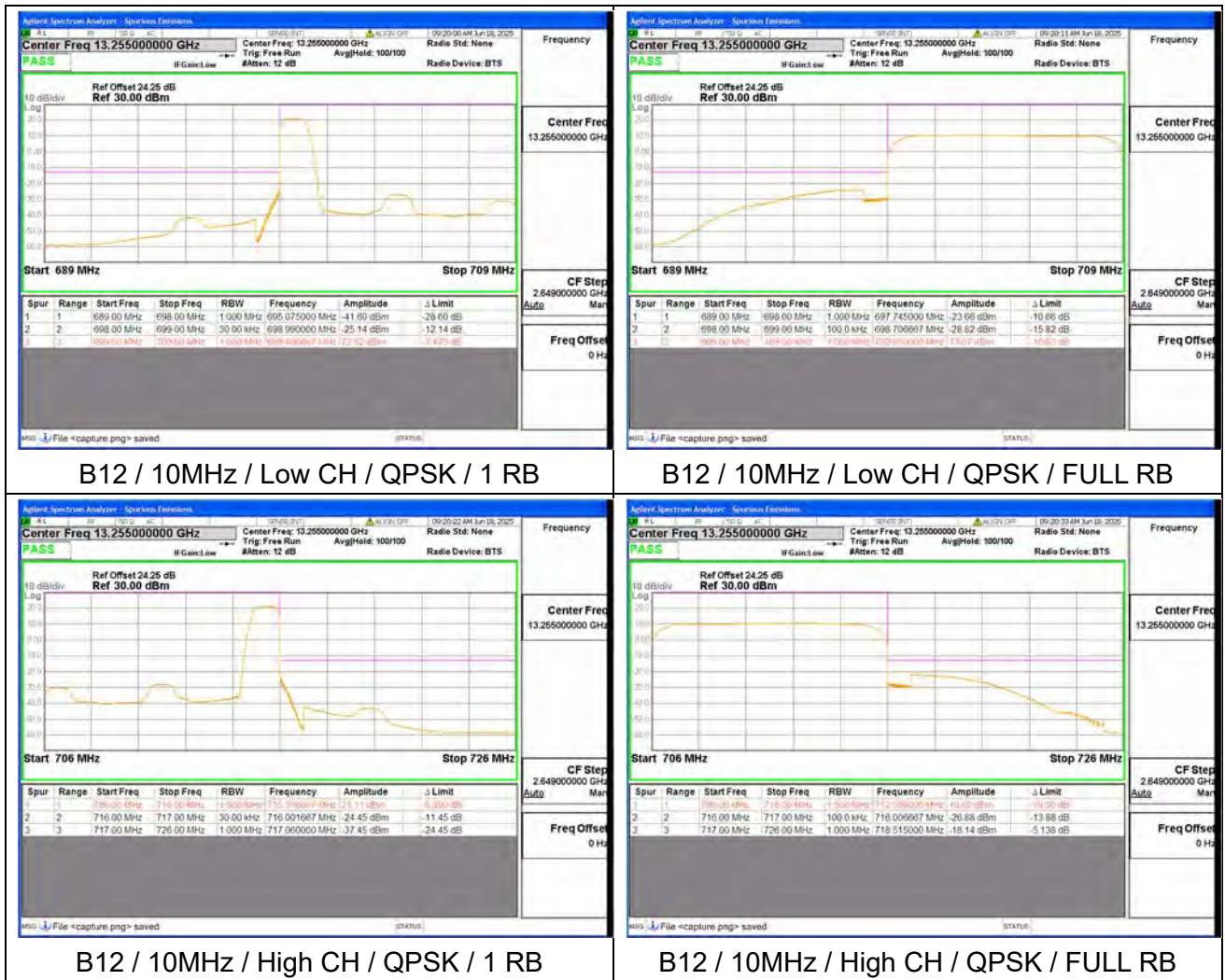


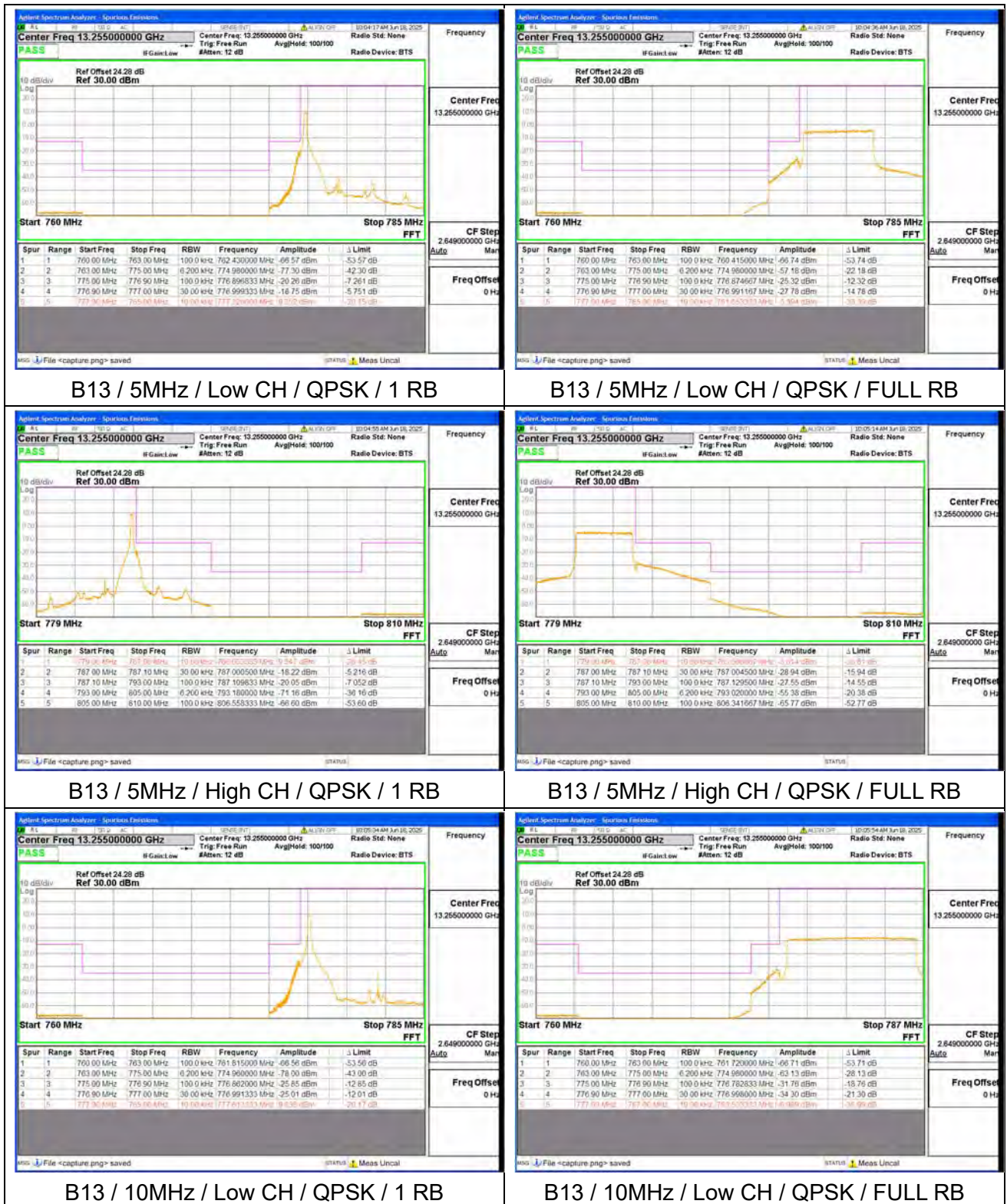






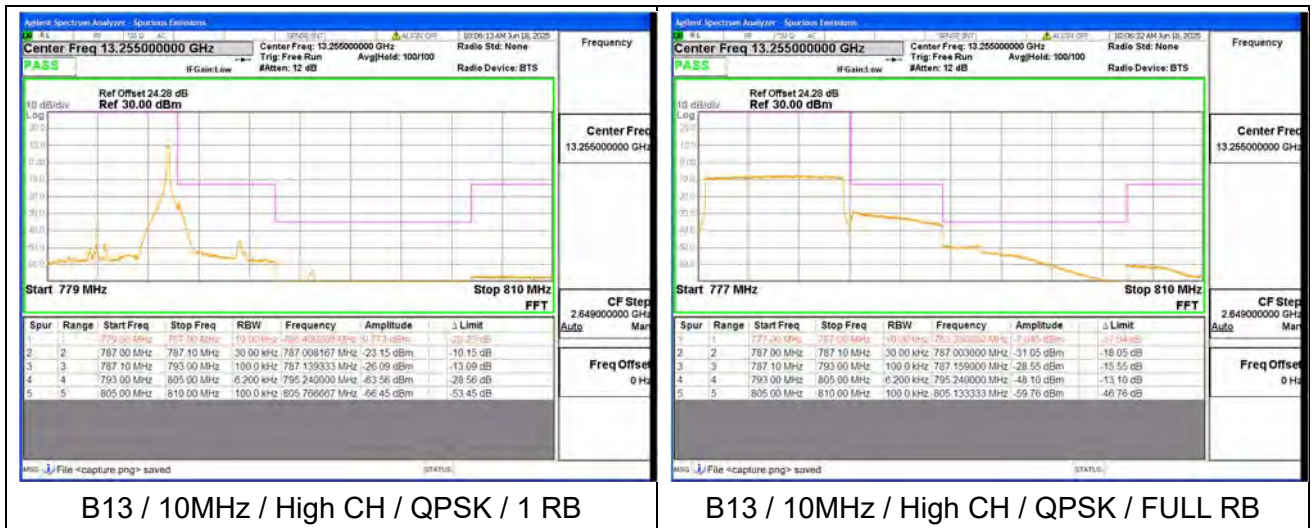


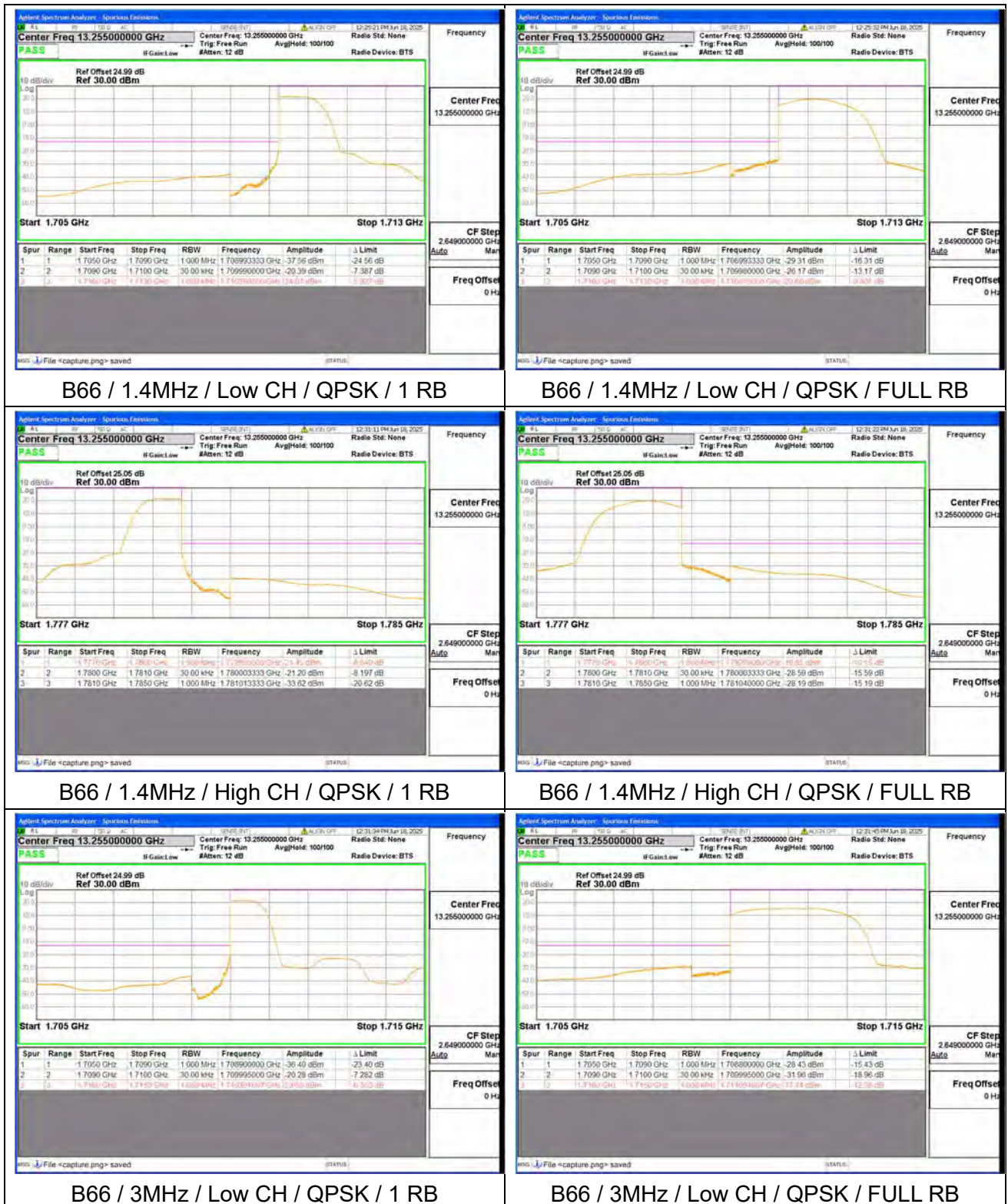




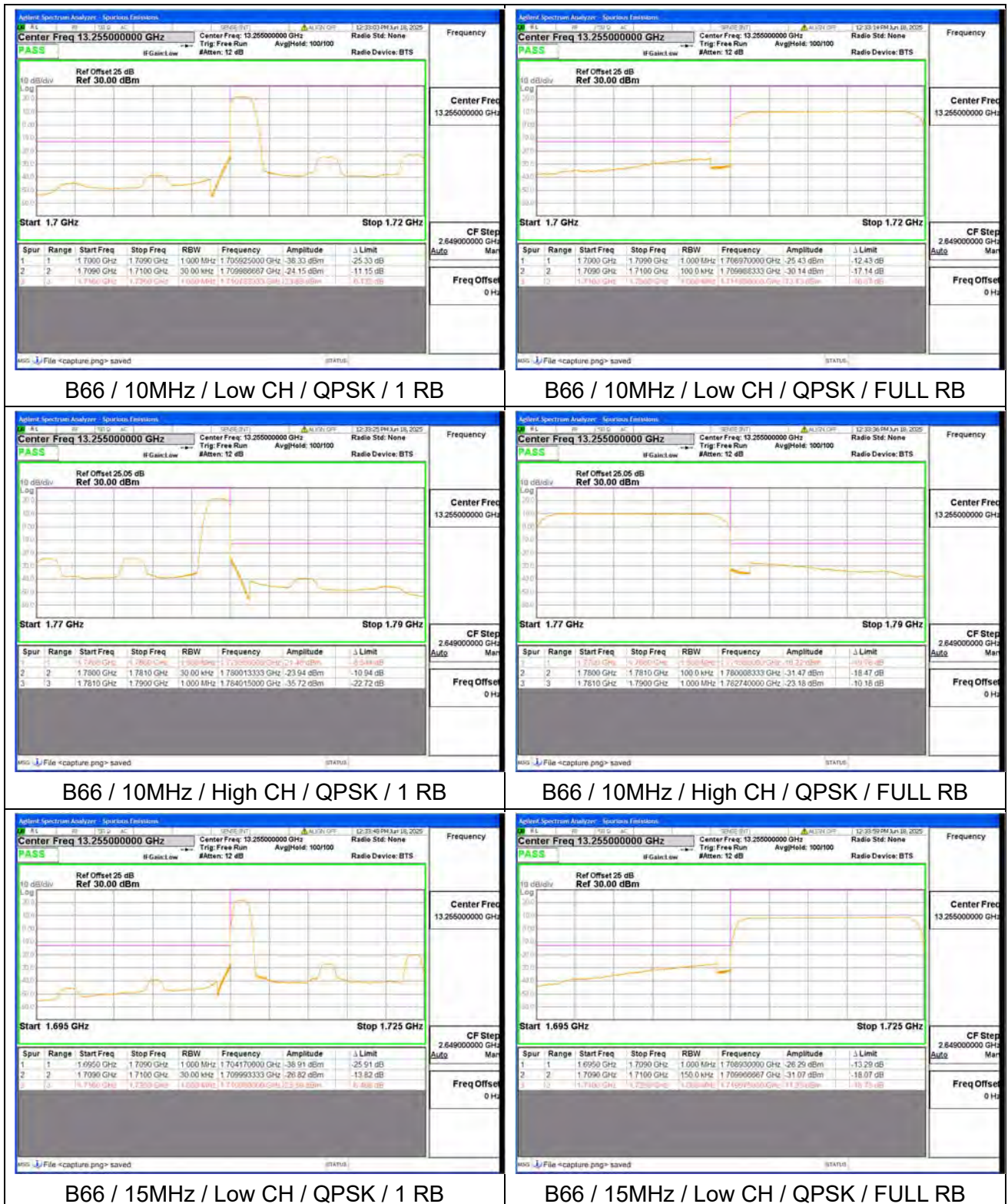


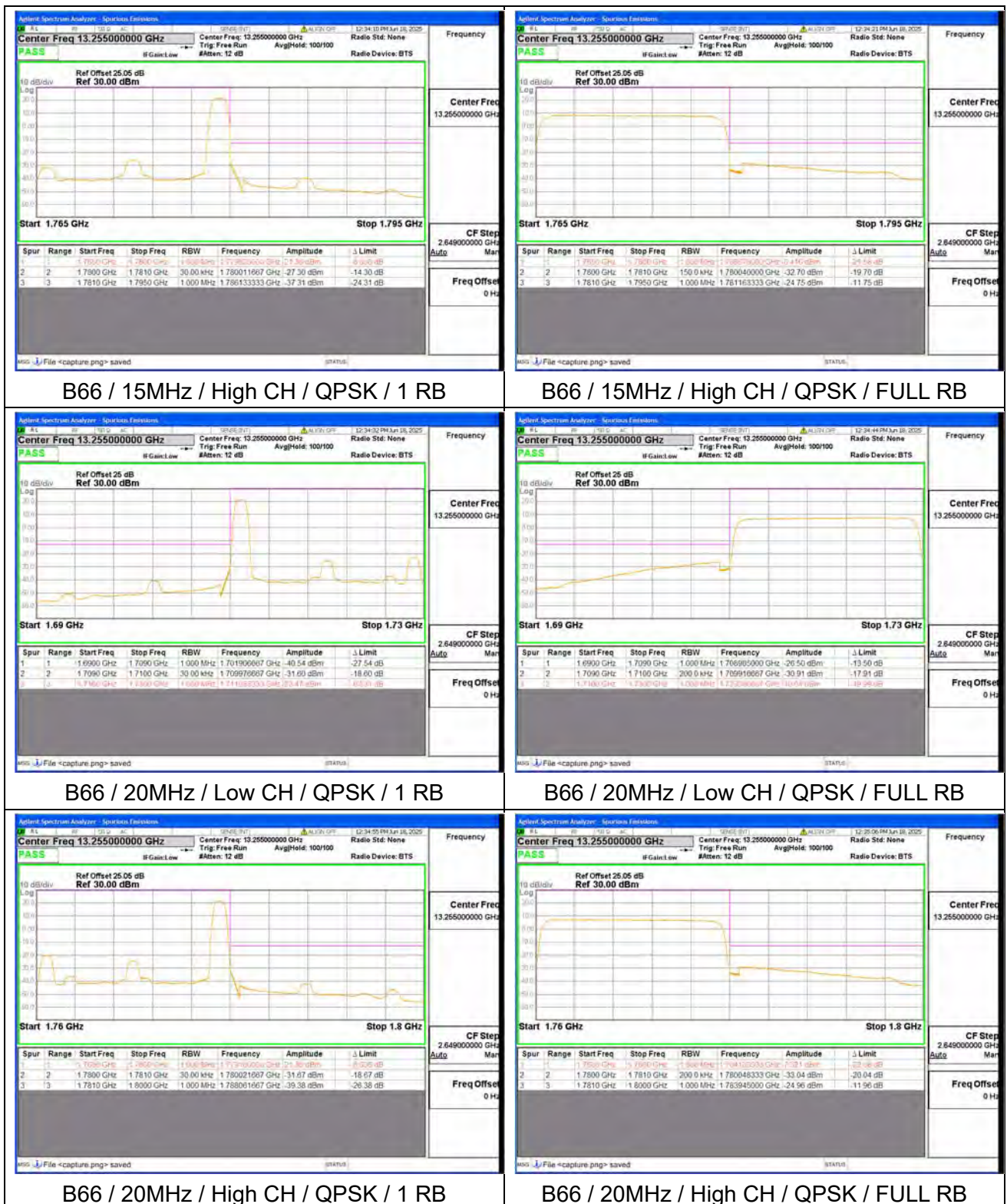
REPORT No.: SZ25060041W02











## 2.7. Radiated Spurious Emissions

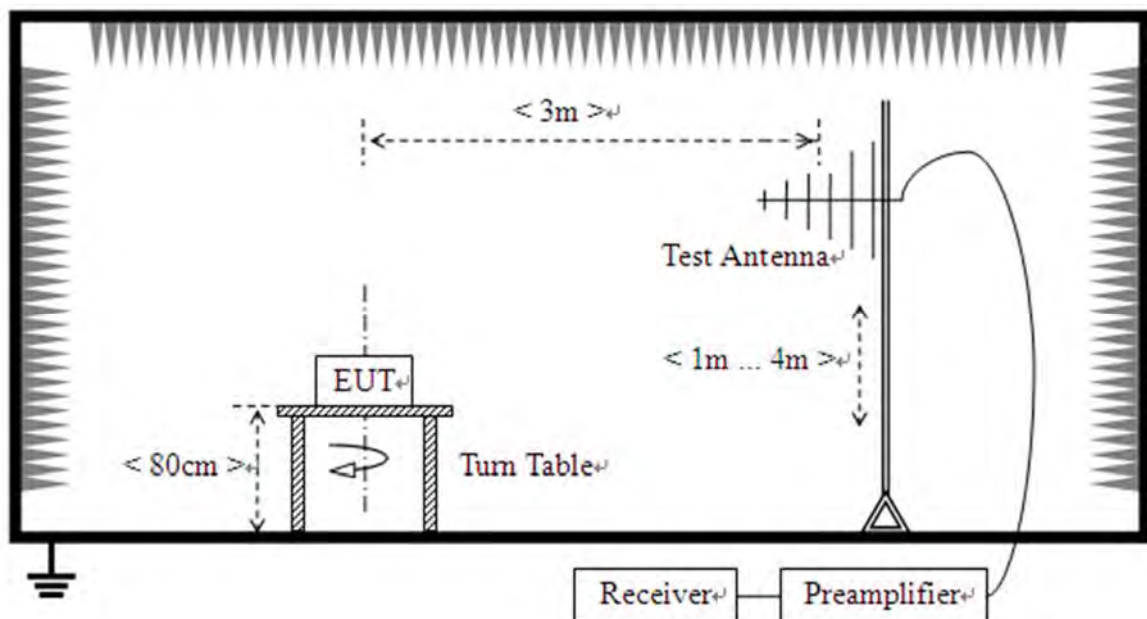
### 2.7.1. Requirement

According to FCC section 2.1051, 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  $43 + 10 \cdot \log(P)$  dB. This calculated to be -13dBm.

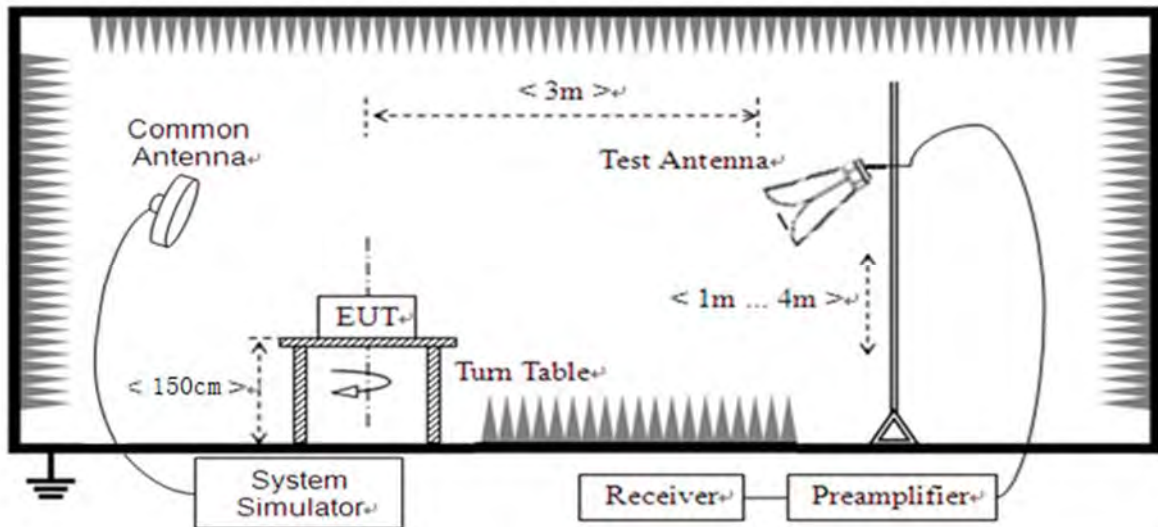
Additional requirement for Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (E.I.R.P.) for wideband signals, and -80 dBW E.I.R.P. for discrete emissions of less than 700 Hz bandwidth. This calculated to be -40dBm.

### 2.7.2. Test Description



(For the test frequency from 30MHz to 1GHz)



(For the test frequency above 1GHz)

The EUT 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.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

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

### 2.7.3. Test Procedure

KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz (exclude 1559-1610 MHz) the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.



#### 2.7.4. 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. The lowest, middle and highest channels are tested to verify the out of band emissions.

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  $A_{\text{SUBST}}$  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.

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

During the test, the data of  $A_{\text{TOT}}$  was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of  $A_{\text{TOT}}$ .

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

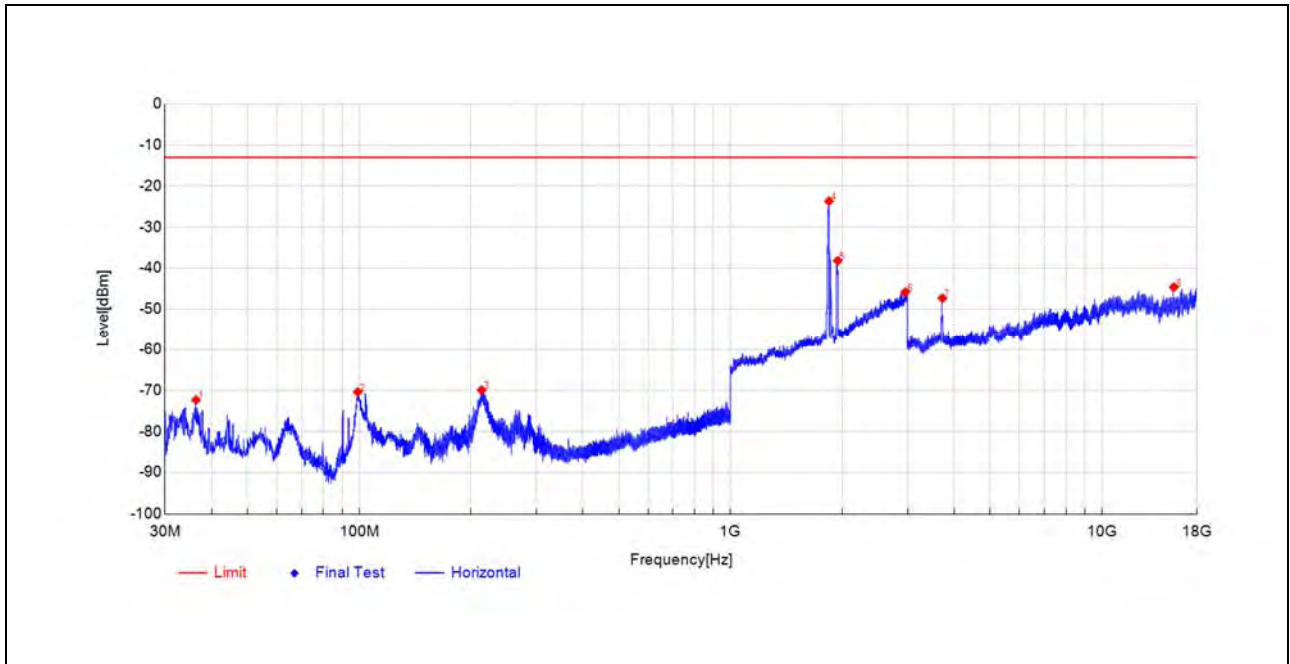
**Note2:** All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

**Note3:** All bandwidth and modulation were considered and evaluated respectively by performing full test for each band, only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.

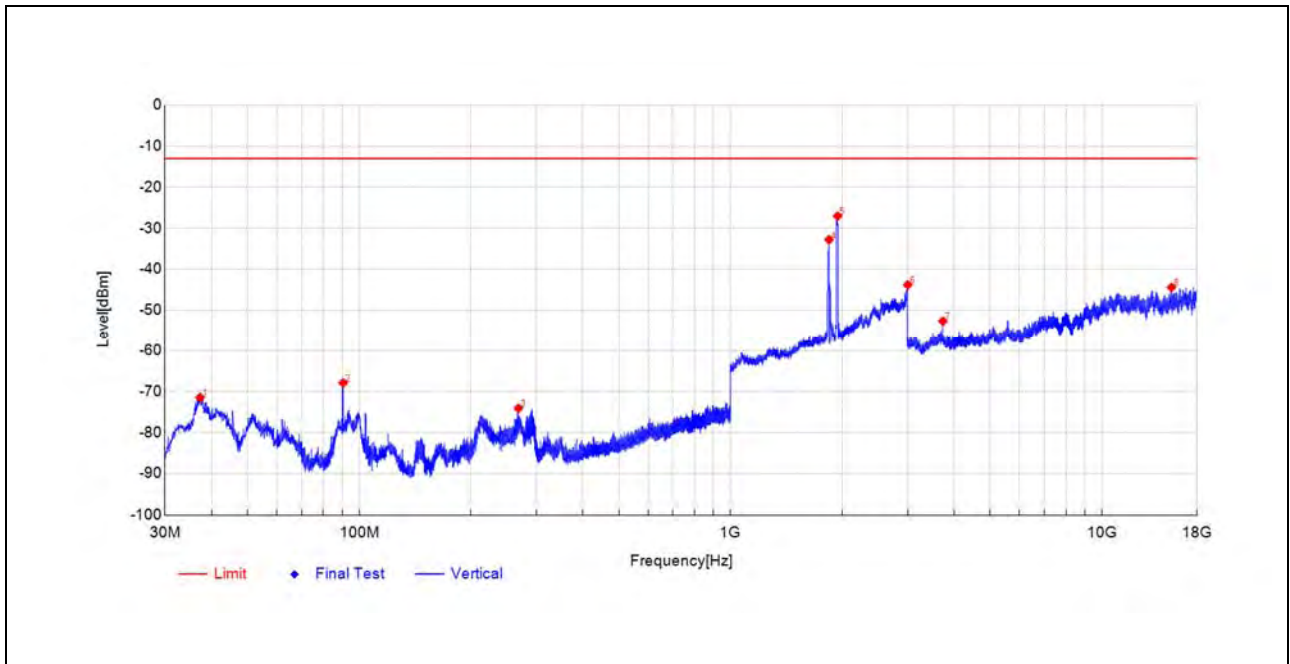
**Note 4:** N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

## LTE Band 2

### Plot for Low Channel

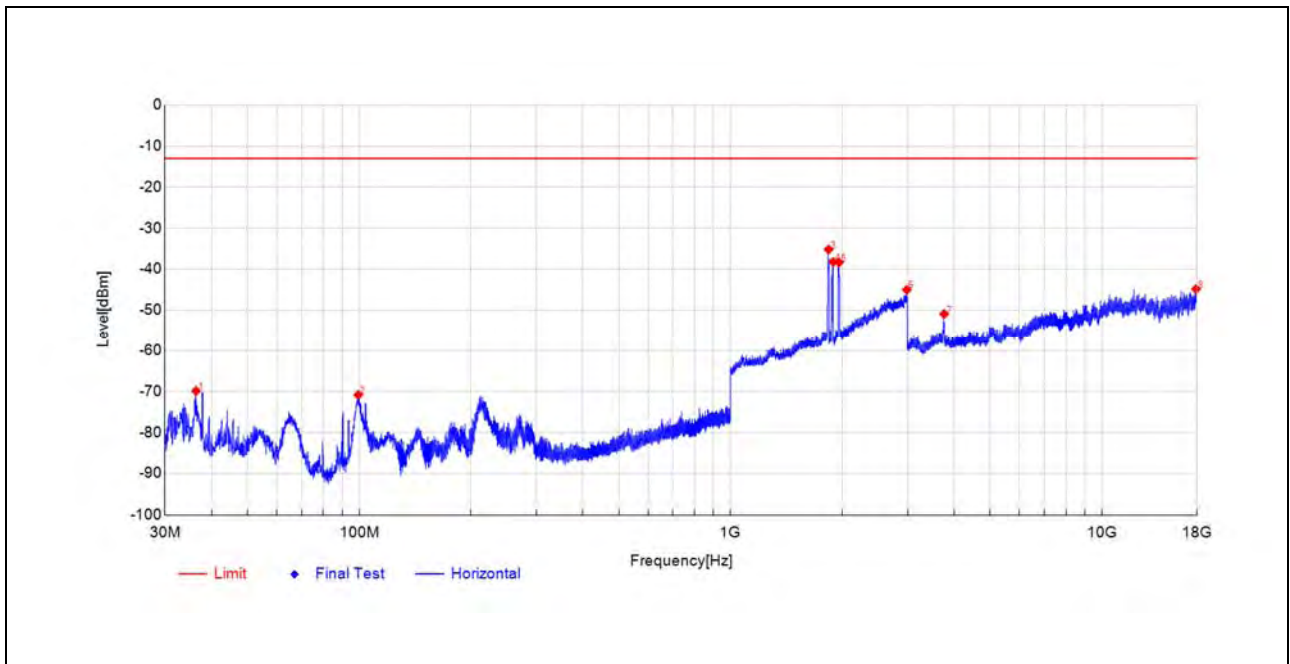


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3538         | -57.08        | -72.33      | -15.3       | -13.0       | 59.3        | Horizontal | PK       | PASS    |
| 99.116          | -47.48        | -70.42      | -22.9       | -13.0       | 57.4        | Horizontal | PK       | PASS    |
| 213.6302        | -53.58        | -69.98      | -16.4       | -13.0       | 57.0        | Horizontal | PK       | PASS    |
| 1840.9682       | -27.90        | -23.67      | 4.2         | -           | -           | Horizontal | PK       | NA      |
| 1943.3887       | -42.38        | -38.18      | 4.2         | -           | -           | Horizontal | PK       | NA      |
| 2954.3909       | -59.62        | -45.84      | 13.8        | -13.0       | 32.8        | Horizontal | PK       | PASS    |
| 3719.6742       | -48.89        | -47.31      | 1.6         | -13.0       | 34.3        | Horizontal | PK       | PASS    |
| 15617.664       | -69.55        | -44.62      | 24.9        | -13.0       | 31.6        | Horizontal | PK       | PASS    |

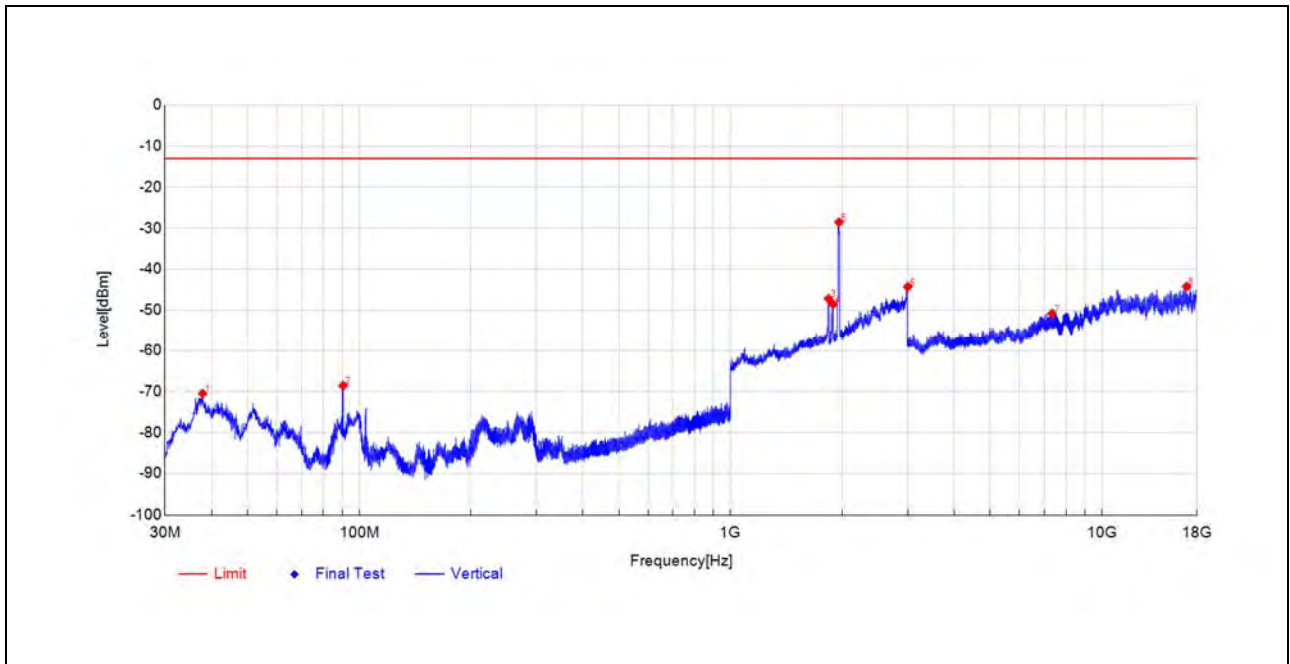


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.2754         | -48.68        | -71.48      | -22.8       | -13.0       | 58.5        | Vertical | PK       | PASS    |
| 90.4825         | -45.64        | -67.92      | -22.3       | -13.0       | 54.9        | Vertical | PK       | PASS    |
| 268.4864        | -56.32        | -74.11      | -17.8       | -13.0       | 61.1        | Vertical | PK       | PASS    |
| 1840.9682       | -37.35        | -32.80      | 4.6         | -           | -           | Vertical | PK       | NA      |
| 1942.1884       | -30.99        | -27.05      | 3.9         | -           | -           | Vertical | PK       | NA      |
| 2999.5999       | -60.02        | -43.79      | 16.2        | -13.0       | 30.8        | Vertical | PK       | PASS    |
| 3729.5328       | -54.08        | -52.65      | 1.4         | -13.0       | 39.7        | Vertical | PK       | PASS    |
| 15397.335       | -70.02        | -44.40      | 25.6        | -13.0       | 31.4        | Vertical | PK       | PASS    |

Plot for Mid Channel

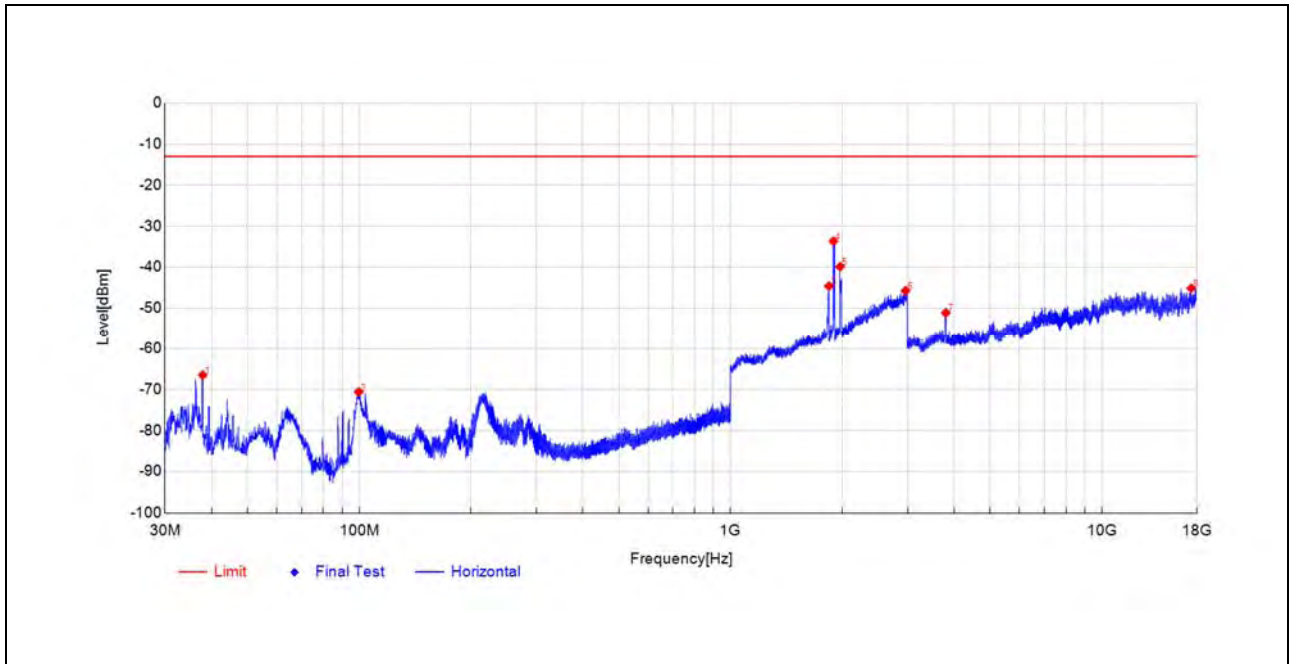


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3538         | -54.63        | -69.88      | -15.3       | -13.0       | 56.9        | Horizontal | PK       | PASS    |
| 99.407          | -47.94        | -70.87      | -22.9       | -13.0       | 57.9        | Horizontal | PK       | PASS    |
| 1836.5673       | -39.39        | -35.18      | 4.2         | -           | -           | Horizontal | PK       | NA      |
| 1888.5777       | -43.16        | -38.21      | 5.0         | -           | -           | Horizontal | PK       | NA      |
| 1959.3919       | -42.84        | -38.35      | 4.5         | -           | -           | Horizontal | PK       | NA      |
| 2982.3965       | -58.52        | -45.00      | 13.5        | -13.0       | 32.0        | Horizontal | PK       | PASS    |
| 3759.9657       | -52.11        | -50.93      | 1.2         | -13.0       | 37.9        | Horizontal | PK       | PASS    |
| 17920.796       | -69.18        | -44.83      | 24.4        | -13.0       | 31.8        | Horizontal | PK       | PASS    |

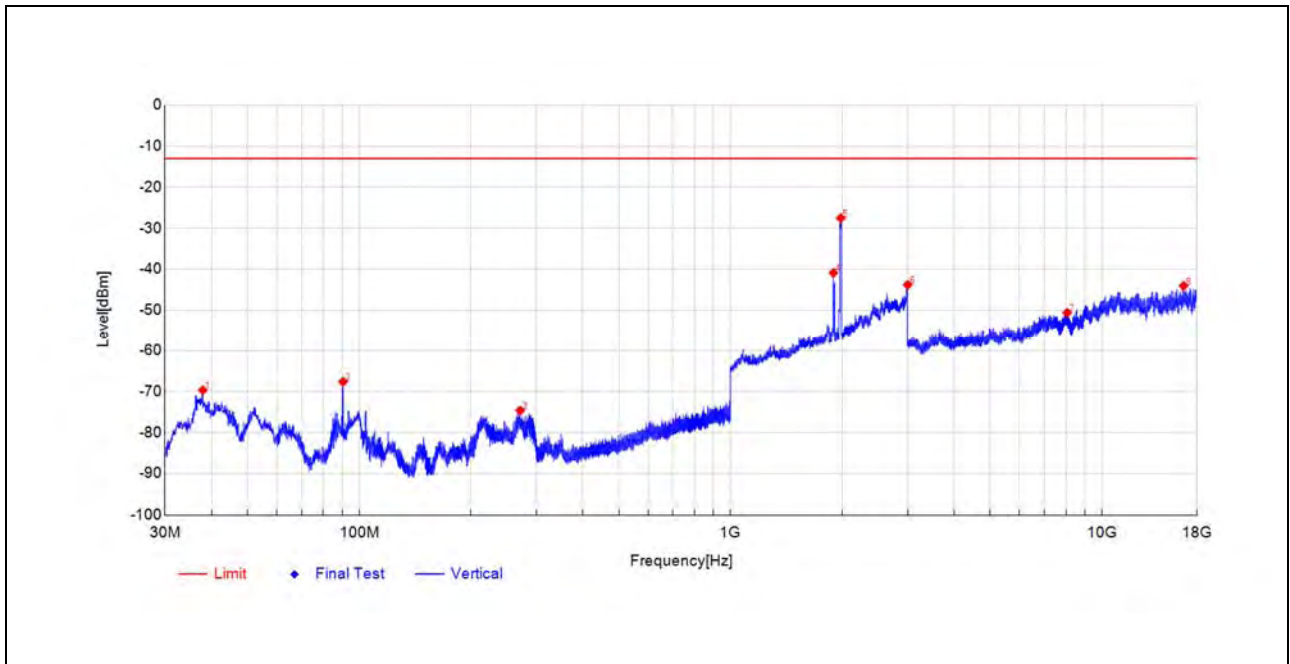


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.8574         | -47.91        | -70.52      | -22.6       | -13.0       | 57.5        | Vertical | PK       | PASS    |
| 90.4825         | -46.32        | -68.60      | -22.3       | -13.0       | 55.6        | Vertical | PK       | PASS    |
| 1835.7672       | -51.85        | -47.17      | 4.7         | -           | -           | Vertical | PK       | NA      |
| 1888.1776       | -53.60        | -48.50      | 5.1         | -           | -           | Vertical | PK       | NA      |
| 1958.9918       | -32.70        | -28.53      | 4.2         | -           | -           | Vertical | PK       | NA      |
| 3000            | -60.52        | -44.25      | 16.3        | -13.0       | 31.3        | Vertical | PK       | PASS    |
| 7342.1337       | -62.54        | -50.80      | 11.7        | -13.0       | 37.8        | Vertical | PK       | PASS    |
| 16907.476       | -70.53        | -44.22      | 26.3        | -13.0       | 31.2        | Vertical | PK       | PASS    |

### Plot for High Channel



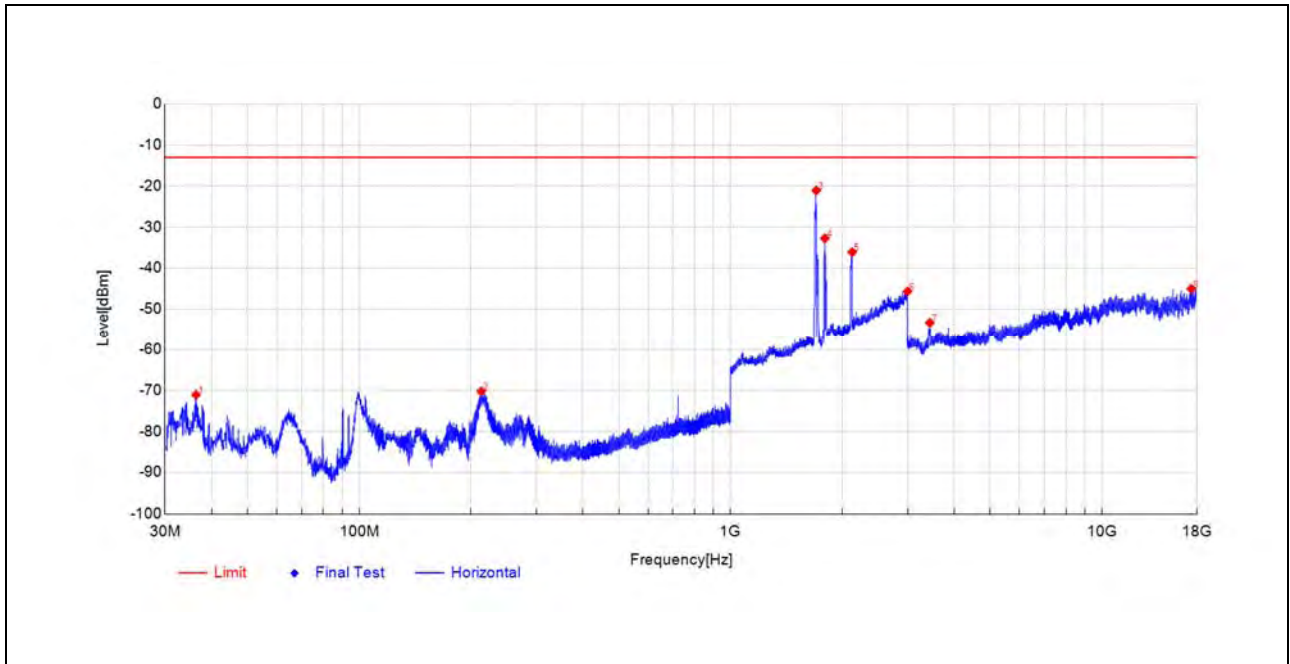
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 37.9059         | -51.26        | -66.53      | -15.3       | -13.0       | 53.5        | Horizontal | PK       | PASS    |
| 99.6495         | -47.69        | -70.62      | -22.9       | -13.0       | 57.6        | Horizontal | PK       | PASS    |
| 1840.9682       | -48.82        | -44.59      | 4.2         | -13.0       | 31.6        | Horizontal | PK       | PASS    |
| 1892.5785       | -38.46        | -33.67      | 4.8         | -           | -           | Horizontal | PK       | NA      |
| 1972.1944       | -44.46        | -39.87      | 4.6         | -           | -           | Horizontal | PK       | NA      |
| 2958.7918       | -59.49        | -45.73      | 13.8        | -13.0       | 32.7        | Horizontal | PK       | PASS    |
| 3799.8285       | -51.89        | -51.11      | 0.8         | -13.0       | 38.1        | Horizontal | PK       | PASS    |
| 17395.175       | -69.88        | -45.11      | 24.8        | -13.0       | 32.1        | Horizontal | PK       | PASS    |



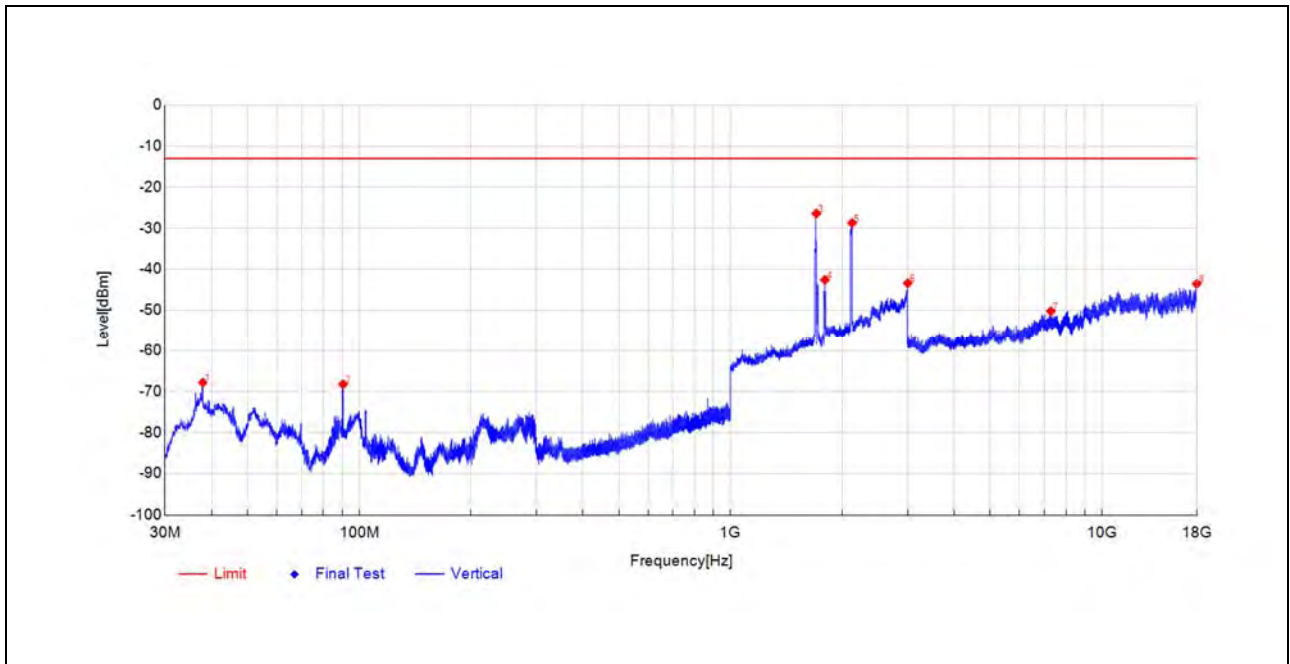
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -47.09        | -69.68      | -22.6       | -13.0       | 56.7        | Vertical | PK       | PASS    |
| 90.434          | -45.41        | -67.69      | -22.3       | -13.0       | 54.7        | Vertical | PK       | PASS    |
| 271.2026        | -56.97        | -74.65      | -17.7       | -13.0       | 61.7        | Vertical | PK       | PASS    |
| 1892.1784       | -45.97        | -40.87      | 5.1         | -           | -           | Vertical | PK       | NA      |
| 1980.196        | -32.33        | -27.50      | 4.8         | -           | -           | Vertical | PK       | NA      |
| 3000            | -60.04        | -43.77      | 16.3        | -13.0       | 30.8        | Vertical | PK       | PASS    |
| 8061.6825       | -63.57        | -50.57      | 13.0        | -13.0       | 37.6        | Vertical | PK       | PASS    |
| 16586.823       | -69.78        | -44.05      | 25.7        | -13.0       | 31.1        | Vertical | PK       | PASS    |

## LTE Band 4

### Plot for Low Channel

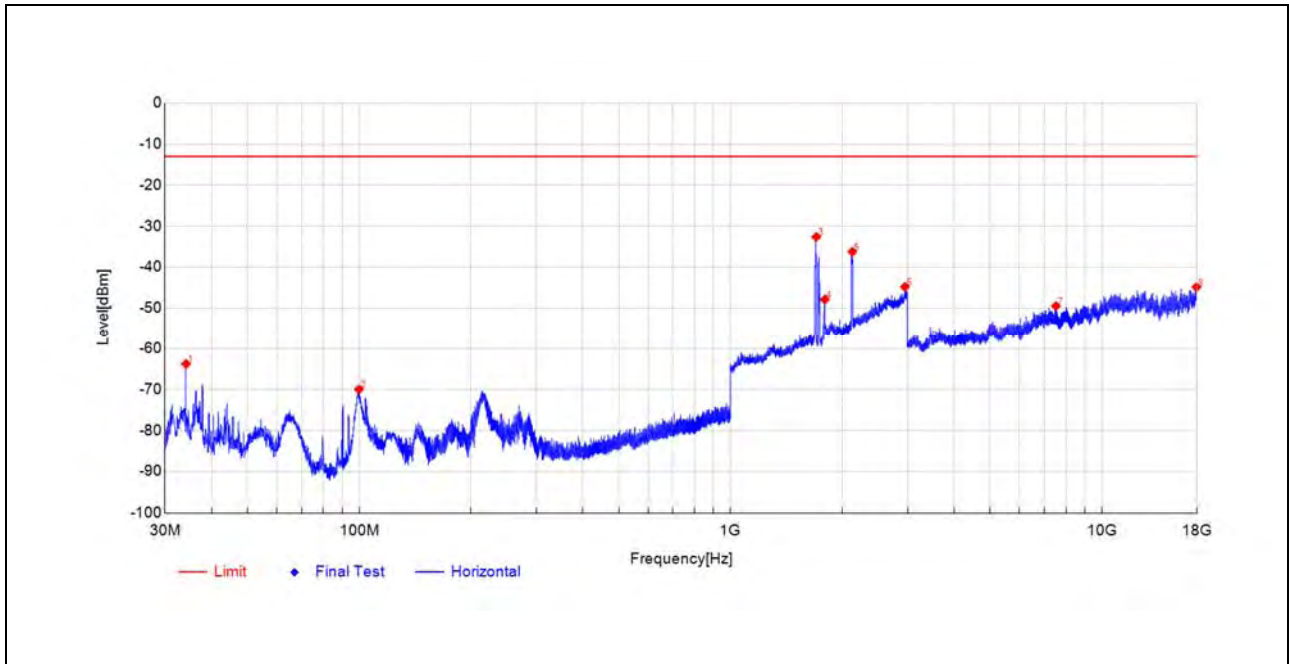


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3538         | -55.82        | -71.07      | -15.3       | -13.0       | 58.1        | Horizontal | PK       | PASS    |
| 213.0482        | -53.86        | -70.28      | -16.4       | -13.0       | 57.3        | Horizontal | PK       | PASS    |
| 1700.5401       | -24.39        | -21.05      | 3.3         | -           | -           | Horizontal | PK       | NA      |
| 1794.5589       | -36.85        | -32.72      | 4.1         | -13.0       | 19.7        | Horizontal | PK       | PASS    |
| 2125.8252       | -42.06        | -36.10      | 6.0         | -           | -           | Horizontal | PK       | NA      |
| 2994.799        | -59.90        | -45.66      | 14.2        | -13.0       | 32.7        | Horizontal | PK       | PASS    |
| 3440.2057       | -53.85        | -53.30      | 0.6         | -13.0       | 40.3        | Horizontal | PK       | PASS    |
| 17397.095       | -69.83        | -45.04      | 24.8        | -13.0       | 32.0        | Horizontal | PK       | PASS    |

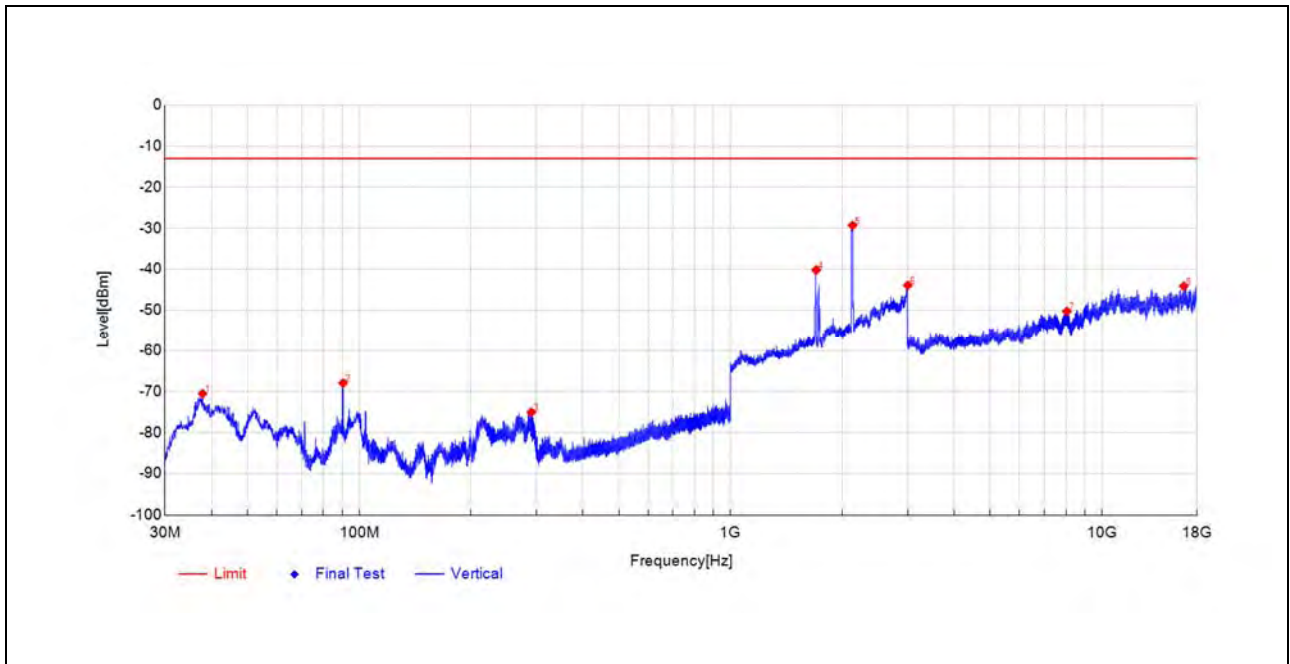


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -45.25        | -67.84      | -22.6       | -13.0       | 54.8        | Vertical | PK       | PASS    |
| 90.434          | -45.99        | -68.25      | -22.3       | -13.0       | 55.3        | Vertical | PK       | PASS    |
| 1702.1404       | -29.89        | -26.40      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 1794.5589       | -46.25        | -42.55      | 3.7         | -13.0       | 29.6        | Vertical | PK       | PASS    |
| 2123.0246       | -34.56        | -28.70      | 5.9         | -           | -           | Vertical | PK       | NA      |
| 3000            | -60.16        | -43.40      | 16.8        | -13.0       | 30.4        | Vertical | PK       | PASS    |
| 7287.8915       | -62.05        | -50.21      | 11.8        | -13.0       | 37.2        | Vertical | PK       | PASS    |
| 17996.639       | -67.58        | -43.55      | 24.0        | -13.0       | 30.6        | Vertical | PK       | PASS    |

Plot for Mid Channel

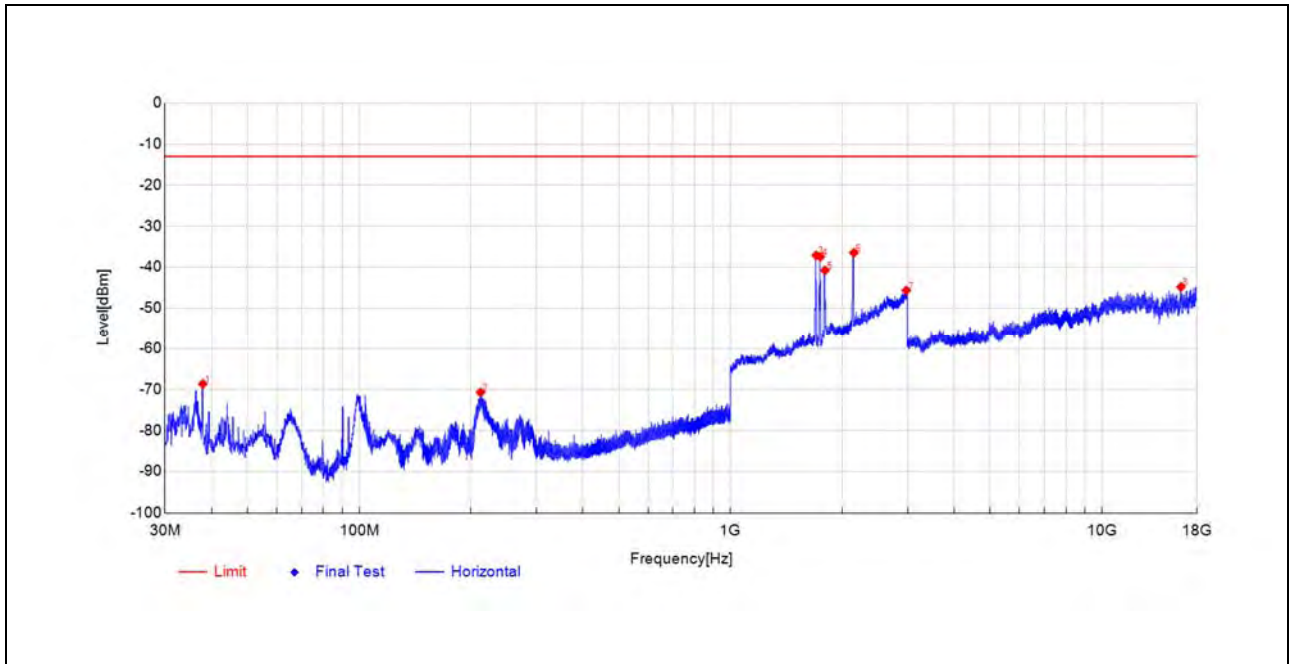


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 34.1712         | -48.55        | -63.79      | -15.2       | -13.0       | 50.8        | Horizontal | PK       | PASS    |
| 99.8435         | -47.11        | -70.00      | -22.9       | -13.0       | 57.0        | Horizontal | PK       | PASS    |
| 1700.9402       | -35.95        | -32.60      | 3.4         | -           | -           | Horizontal | PK       | NA      |
| 1793.7588       | -51.99        | -47.86      | 4.1         | -13.0       | 34.9        | Horizontal | PK       | PASS    |
| 2127.0254       | -42.20        | -36.22      | 6.0         | -           | -           | Horizontal | PK       | NA      |
| 2947.9896       | -58.59        | -44.80      | 13.8        | -13.0       | 31.8        | Horizontal | PK       | PASS    |
| 7520.2208       | -61.67        | -49.46      | 12.2        | -13.0       | 36.5        | Horizontal | PK       | PASS    |
| 17966.878       | -68.87        | -44.84      | 24.0        | -13.0       | 31.8        | Horizontal | PK       | PASS    |

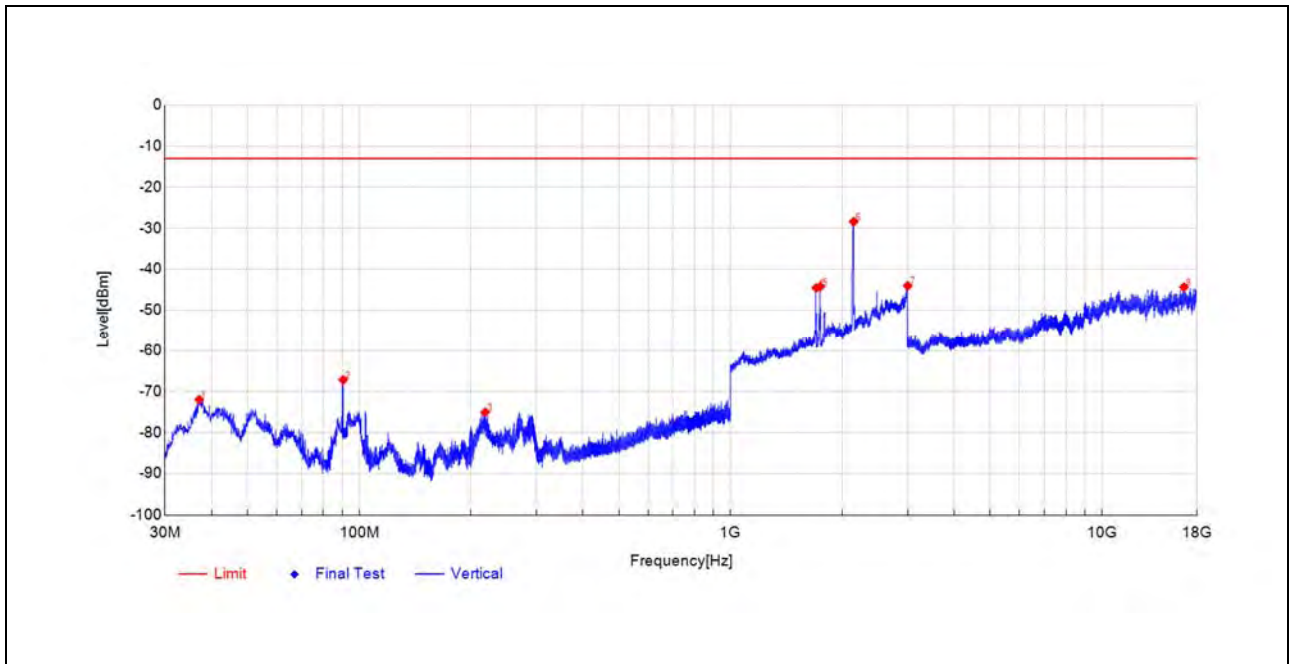


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.8574         | -47.93        | -70.54      | -22.6       | -13.0       | 57.5        | Vertical | PK       | PASS    |
| 90.4825         | -45.73        | -67.98      | -22.3       | -13.0       | 55.0        | Vertical | PK       | PASS    |
| 290.652         | -58.21        | -75.08      | -16.9       | -13.0       | 62.1        | Vertical | PK       | PASS    |
| 1700.5401       | -43.63        | -40.15      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 2129.826        | -35.32        | -29.28      | 6.0         | -           | -           | Vertical | PK       | NA      |
| 2999.5999       | -60.60        | -43.90      | 16.7        | -13.0       | 30.9        | Vertical | PK       | PASS    |
| 8044.8818       | -63.24        | -50.25      | 13.0        | -13.0       | 37.3        | Vertical | PK       | PASS    |
| 16605.544       | -70.03        | -44.11      | 25.9        | -13.0       | 31.1        | Vertical | PK       | PASS    |

### Plot for High Channel



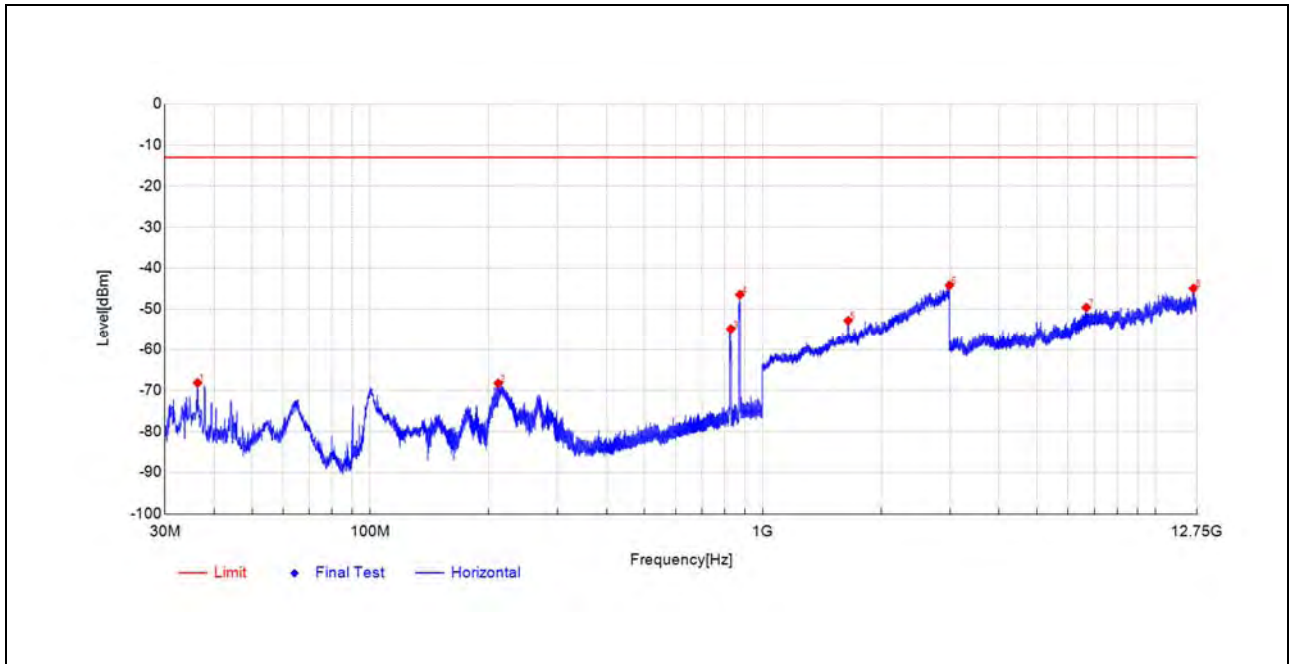
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 37.9059         | -53.39        | -68.66      | -15.3       | -13.0       | 55.7        | Horizontal | PK       | PASS    |
| 212.1751        | -54.27        | -70.74      | -16.5       | -13.0       | 57.7        | Horizontal | PK       | PASS    |
| 1700.9402       | -40.45        | -37.10      | 3.4         | -           | -           | Horizontal | PK       | NA      |
| 1744.949        | -40.39        | -37.43      | 3.0         | -           | -           | Horizontal | PK       | NA      |
| 1795.3591       | -44.88        | -40.74      | 4.1         | -13.0       | 27.7        | Horizontal | PK       | PASS    |
| 2147.4295       | -42.48        | -36.46      | 6.0         | -           | -           | Horizontal | PK       | NA      |
| 2971.9944       | -59.59        | -45.65      | 13.9        | -13.0       | 32.7        | Horizontal | PK       | PASS    |
| 16325.693       | -69.43        | -44.80      | 24.6        | -13.0       | 31.8        | Horizontal | PK       | PASS    |



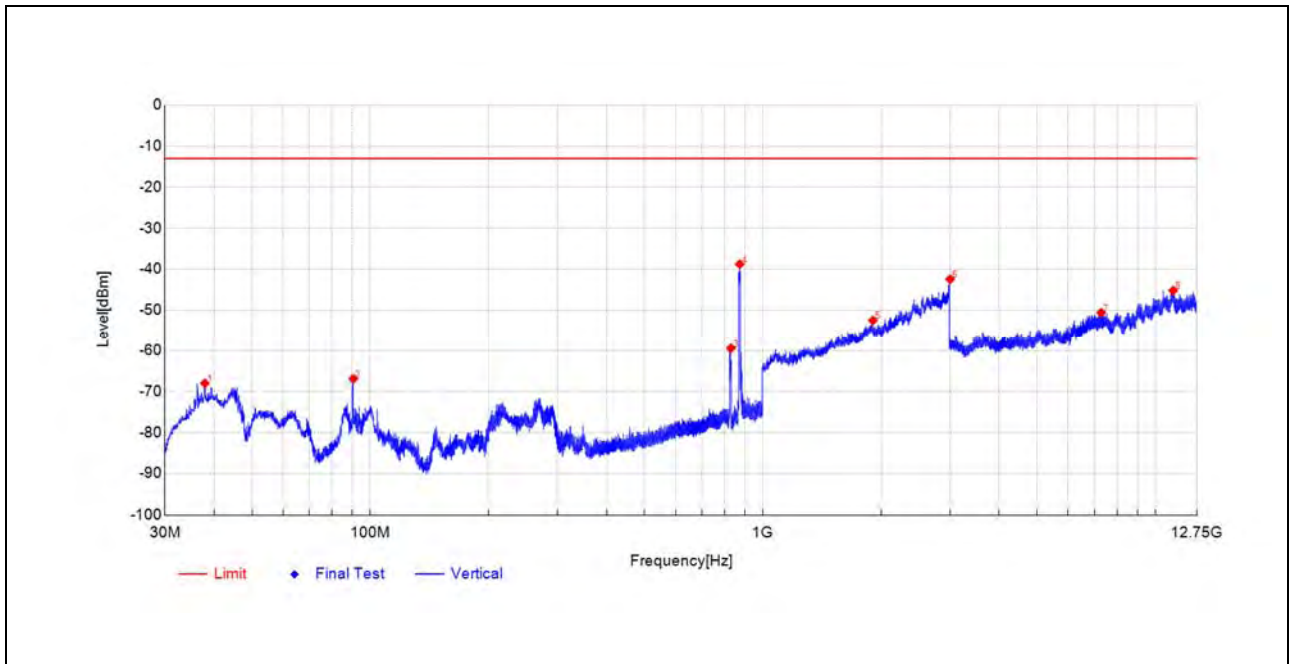
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.0814         | -49.12        | -71.99      | -22.9       | -13.0       | 59.0        | Vertical | PK       | PASS    |
| 90.4825         | -44.94        | -67.19      | -22.3       | -13.0       | 54.2        | Vertical | PK       | PASS    |
| 218.3349        | -55.05        | -75.07      | -20.0       | -13.0       | 62.1        | Vertical | PK       | PASS    |
| 1701.7403       | -48.00        | -44.52      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 1744.1488       | -47.68        | -44.23      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 2144.2288       | -34.23        | -28.40      | 5.8         | -           | -           | Vertical | PK       | NA      |
| 2998.7998       | -60.60        | -44.02      | 16.6        | -13.0       | 31.0        | Vertical | PK       | PASS    |
| 16626.665       | -70.16        | -44.34      | 25.8        | -13.0       | 31.3        | Vertical | PK       | PASS    |

**LTE Band 5**

## Plot for Low Channel

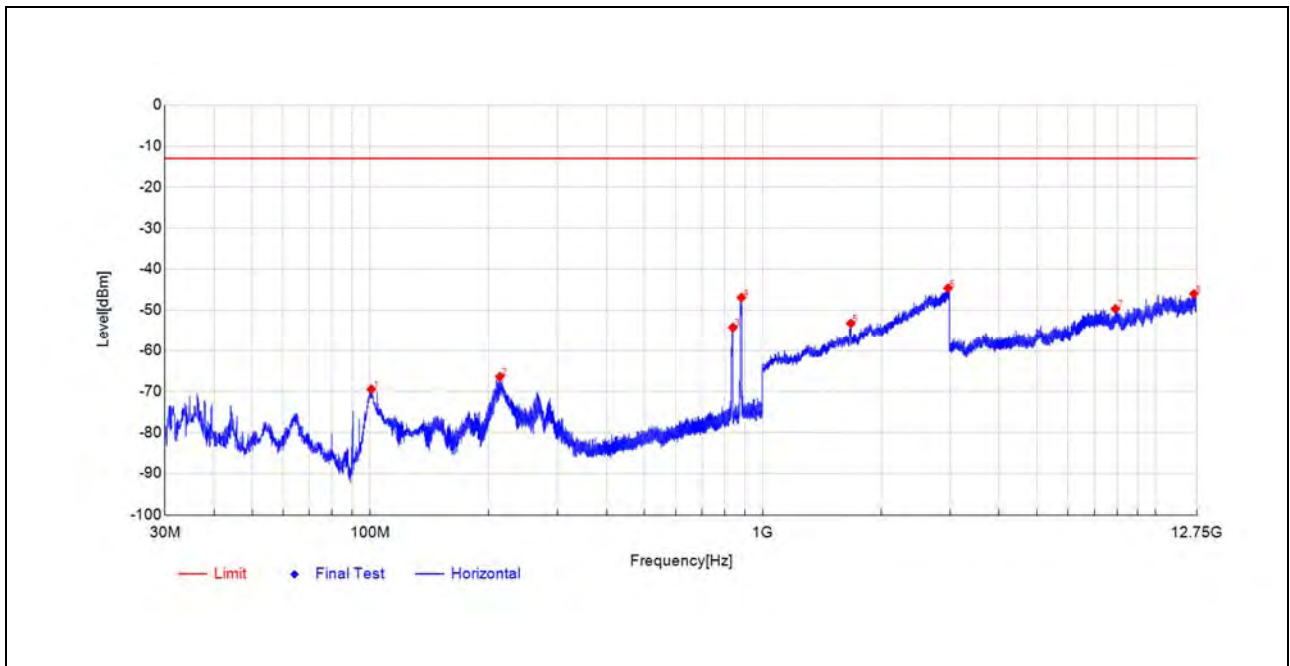


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3053         | -52.96        | -68.17      | -15.2       | -13.0       | 55.2        | Horizontal | PK       | PASS    |
| 211.8841        | -52.13        | -68.29      | -16.2       | -13.0       | 55.3        | Horizontal | PK       | PASS    |
| 829.1745        | -49.14        | -54.86      | -5.7        | -           | -           | Horizontal | PK       | NA      |
| 874.7182        | -41.64        | -46.44      | -4.8        | -           | -           | Horizontal | PK       | NA      |
| 1650.13         | -55.43        | -52.82      | 2.6         | -13.0       | 39.8        | Horizontal | PK       | PASS    |
| 2989.1978       | -59.02        | -44.18      | 14.8        | -13.0       | 31.2        | Horizontal | PK       | PASS    |
| 6670.0835       | -60.97        | -49.60      | 11.4        | -13.0       | 36.6        | Horizontal | PK       | PASS    |
| 12504.775       | -68.34        | -44.92      | 23.4        | -13.0       | 31.9        | Horizontal | PK       | PASS    |

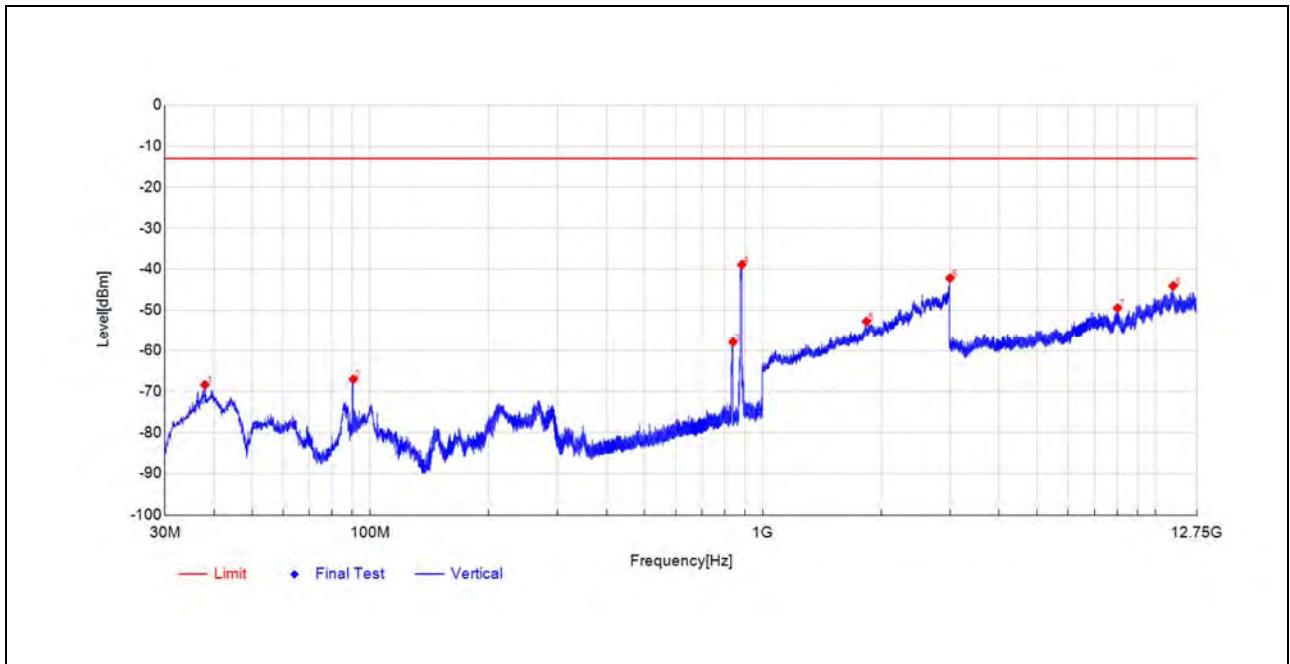


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -45.45        | -68.00      | -22.6       | -13.0       | 55.0        | Vertical | PK       | PASS    |
| 90.434          | -44.83        | -66.93      | -22.1       | -13.0       | 53.9        | Vertical | PK       | PASS    |
| 829.805         | -53.46        | -59.44      | -6.0        | -           | -           | Vertical | PK       | NA      |
| 873.5057        | -34.03        | -38.74      | -4.7        | -           | -           | Vertical | PK       | NA      |
| 1907.7816       | -58.21        | -52.46      | 5.8         | -13.0       | 39.5        | Vertical | PK       | PASS    |
| 2999.5999       | -59.63        | -42.41      | 17.2        | -13.0       | 29.4        | Vertical | PK       | PASS    |
| 7279.489        | -62.53        | -50.55      | 12.0        | -13.0       | 37.6        | Vertical | PK       | PASS    |
| 11103.630       | -67.54        | -45.18      | 22.4        | -13.0       | 32.2        | Vertical | PK       | PASS    |

Plot for Mid Channel

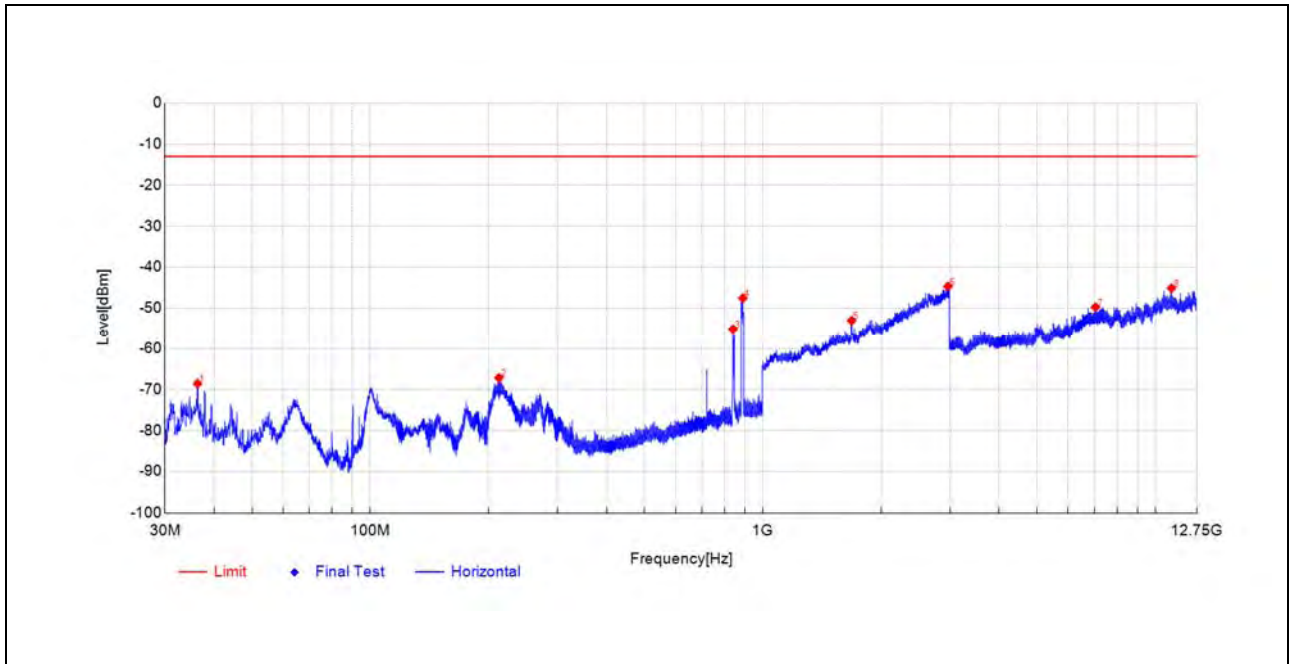


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 100.6195        | -46.83        | -69.48      | -22.7       | -13.0       | 56.5        | Horizontal | PK       | PASS    |
| 213.8242        | -50.42        | -66.41      | -16.0       | -13.0       | 53.4        | Horizontal | PK       | PASS    |
| 839.4085        | -48.76        | -54.21      | -5.5        | -           | -           | Horizontal | PK       | NA      |
| 882.3331        | -42.15        | -46.89      | -4.7        | -           | -           | Horizontal | PK       | NA      |
| 1675.7351       | -55.71        | -53.20      | 2.5         | -13.0       | 40.2        | Horizontal | PK       | PASS    |
| 2963.5927       | -59.63        | -44.62      | 15.0        | -13.0       | 31.6        | Horizontal | PK       | PASS    |
| 7917.1709       | -62.76        | -49.64      | 13.1        | -13.0       | 36.6        | Horizontal | PK       | PASS    |
| 12541.339       | -69.38        | -46.04      | 23.3        | -13.0       | 33.0        | Horizontal | PK       | PASS    |

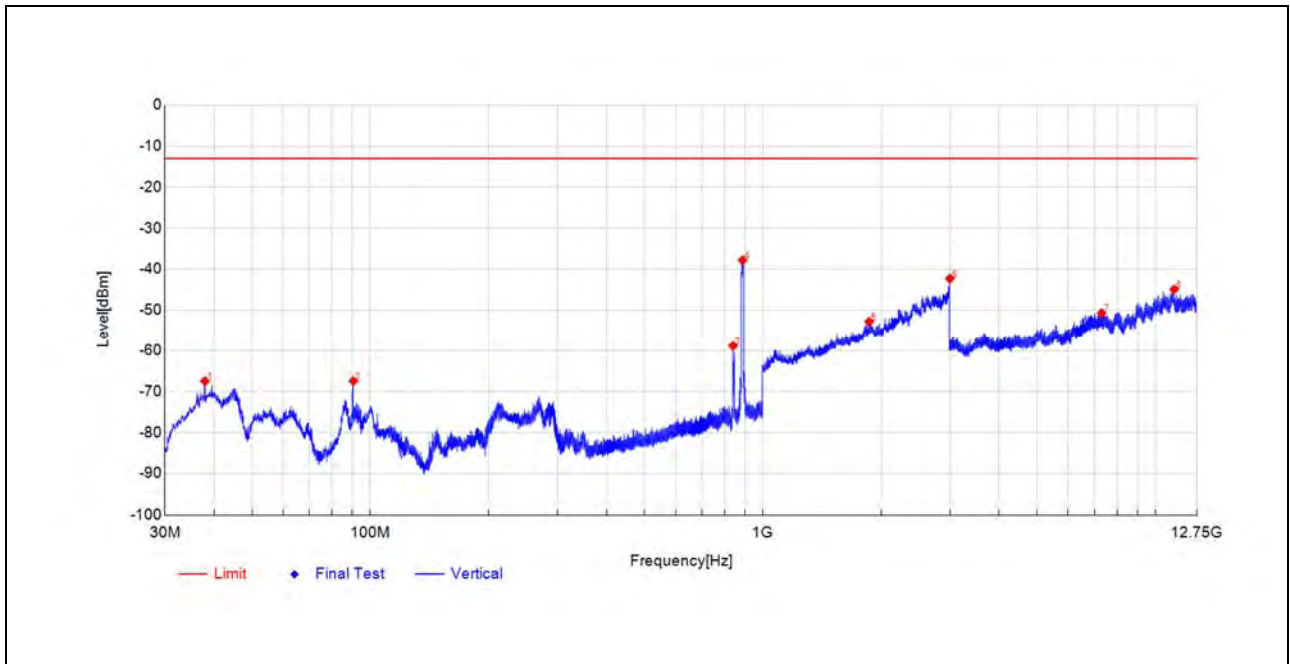


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -45.85        | -68.40      | -22.6       | -13.0       | 55.4        | Vertical | PK       | PASS    |
| 90.434          | -44.94        | -67.04      | -22.1       | -13.0       | 54.0        | Vertical | PK       | PASS    |
| 839.748         | -52.17        | -57.91      | -5.7        | -           | -           | Vertical | PK       | NA      |
| 884.9522        | -34.38        | -38.84      | -4.5        | -           | -           | Vertical | PK       | NA      |
| 1836.5673       | -58.02        | -52.73      | 5.3         | -13.0       | 39.7        | Vertical | PK       | PASS    |
| 2997.9996       | -59.19        | -42.15      | 17.0        | -13.0       | 29.2        | Vertical | PK       | PASS    |
| 8013.2132       | -62.49        | -49.46      | 13.0        | -13.0       | 36.5        | Vertical | PK       | PASS    |
| 11101.192       | -66.45        | -44.06      | 22.4        | -13.0       | 31.1        | Vertical | PK       | PASS    |

### Plot for High Channel



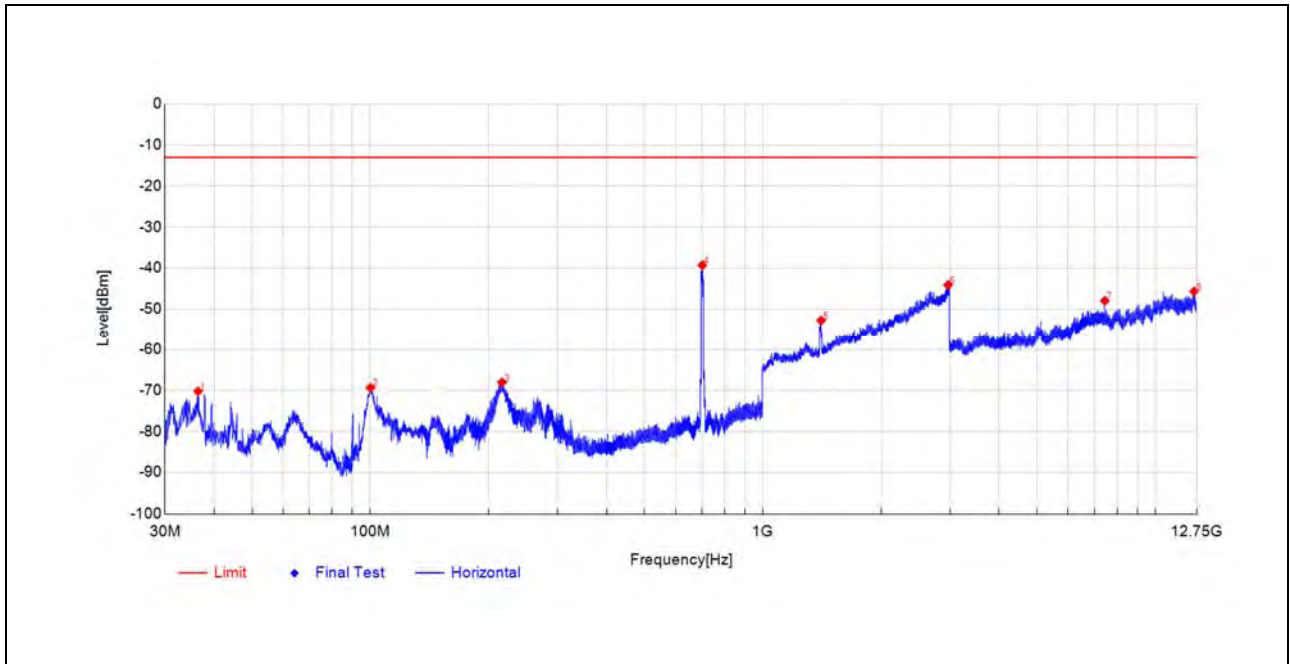
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3053         | -53.37        | -68.58      | -15.2       | -13.0       | 55.6        | Horizontal | PK       | PASS    |
| 212.6601        | -51.09        | -67.18      | -16.1       | -13.0       | 54.2        | Horizontal | PK       | PASS    |
| 839.651         | -49.68        | -55.12      | -5.4        | -           | -           | Horizontal | PK       | NA      |
| 889.172         | -42.84        | -47.54      | -4.7        | -           | -           | Horizontal | PK       | NA      |
| 1683.7367       | -55.64        | -53.03      | 2.6         | -13.0       | 40.0        | Horizontal | PK       | PASS    |
| 2962.3925       | -59.71        | -44.68      | 15.0        | -13.0       | 31.7        | Horizontal | PK       | PASS    |
| 7040.1145       | -61.57        | -49.74      | 11.8        | -13.0       | 36.7        | Horizontal | PK       | PASS    |
| 10992.474       | -66.07        | -45.10      | 21.0        | -13.0       | 32.1        | Horizontal | PK       | PASS    |



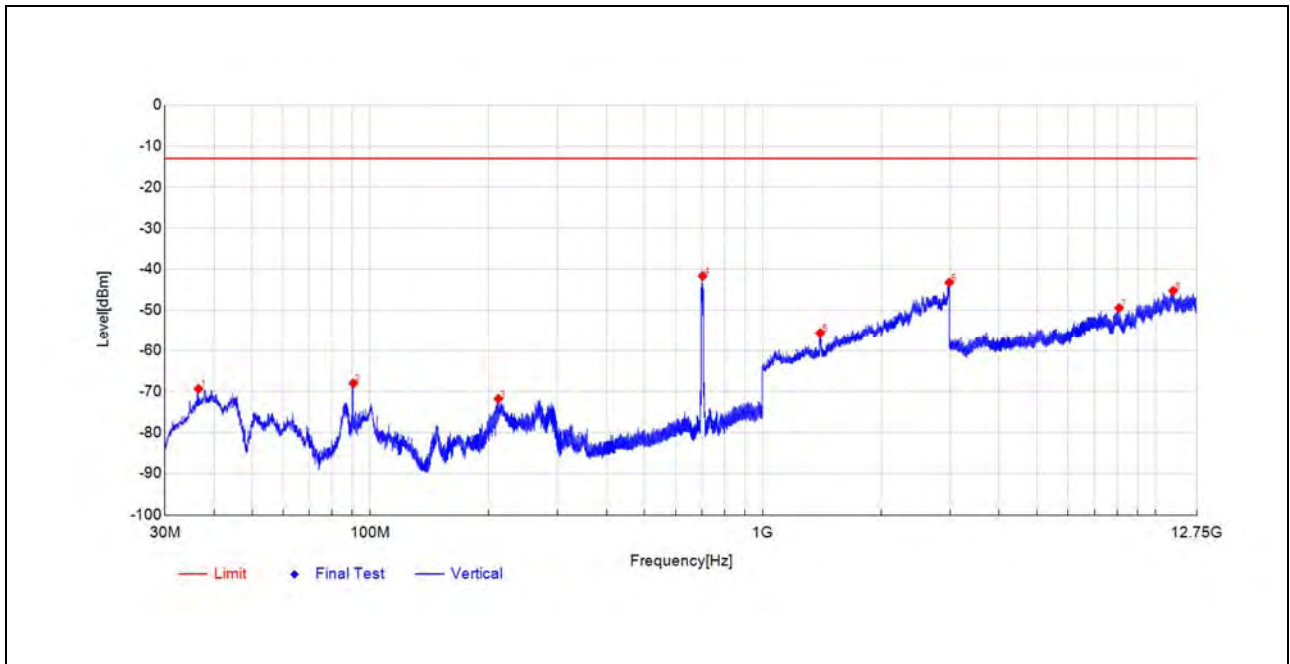
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -44.95        | -67.50      | -22.6       | -13.0       | 54.5        | Vertical | PK       | PASS    |
| 90.4825         | -45.36        | -67.46      | -22.1       | -13.0       | 54.5        | Vertical | PK       | PASS    |
| 840.0875        | -53.12        | -58.86      | -5.7        | -           | -           | Vertical | PK       | NA      |
| 888.2989        | -33.34        | -37.79      | -4.5        | -           | -           | Vertical | PK       | NA      |
| 1867.3735       | -58.19        | -52.77      | 5.4         | -13.0       | 39.8        | Vertical | PK       | PASS    |
| 2995.9992       | -59.11        | -42.29      | 16.8        | -13.0       | 29.3        | Vertical | PK       | PASS    |
| 7298.9899       | -62.81        | -50.69      | 12.1        | -13.0       | 37.7        | Vertical | PK       | PASS    |
| 11172.858       | -66.29        | -44.90      | 21.4        | -13.0       | 31.9        | Vertical | PK       | PASS    |

**LTE Band 12**

Plot for Low Channel

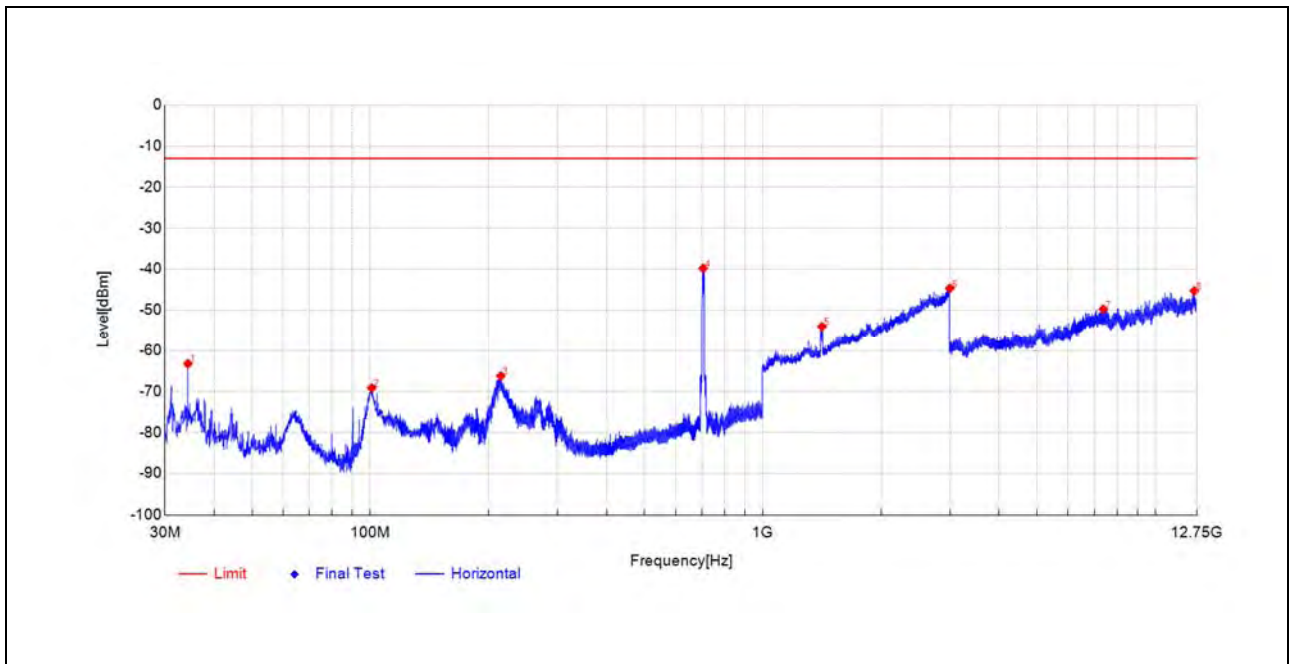


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.4023         | -55.16        | -70.24      | -15.1       | -13.0       | 57.2        | Horizontal | PK       | PASS    |
| 100.1345        | -46.79        | -69.39      | -22.6       | -13.0       | 56.4        | Horizontal | PK       | PASS    |
| 216.4433        | -52.51        | -68.05      | -15.5       | -13.0       | 55.1        | Horizontal | PK       | PASS    |
| 701.0311        | -31.33        | -39.28      | -8.0        | -           | -           | Horizontal | PK       | NA      |
| 1407.6815       | -52.26        | -52.77      | -0.5        | -13.0       | 39.8        | Horizontal | PK       | PASS    |
| 2963.9928       | -59.09        | -44.10      | 15.0        | -13.0       | 31.1        | Horizontal | PK       | PASS    |
| 7435.0092       | -60.42        | -47.95      | 12.5        | -13.0       | 35.0        | Horizontal | PK       | PASS    |
| 12562.303       | -68.95        | -45.65      | 23.3        | -13.0       | 32.7        | Horizontal | PK       | PASS    |

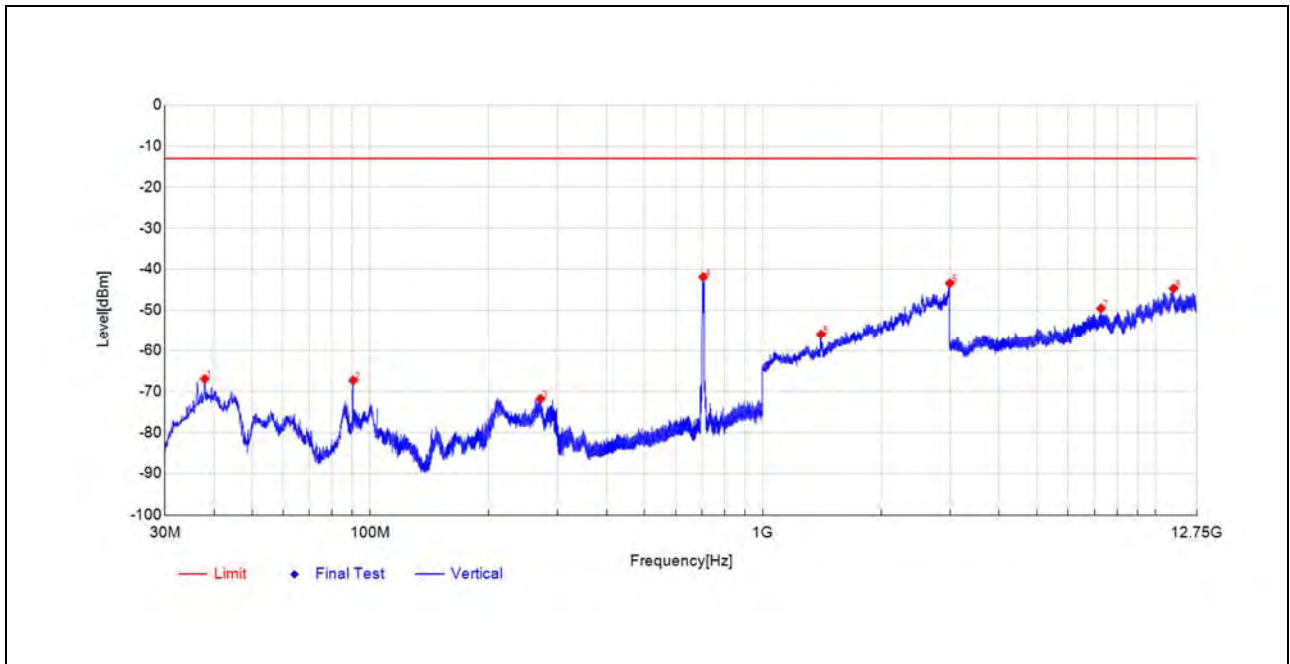


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 36.4993         | -46.50        | -69.37      | -22.9       | -13.0       | 56.4        | Vertical | PK       | PASS    |
| 90.4825         | -45.96        | -68.03      | -22.1       | -13.0       | 55.0        | Vertical | PK       | PASS    |
| 212.0296        | -51.85        | -71.81      | -20.0       | -13.0       | 58.8        | Vertical | PK       | PASS    |
| 702.5831        | -33.51        | -41.63      | -8.1        | -           | -           | Vertical | PK       | NA      |
| 1400.4801       | -55.25        | -55.58      | -0.3        | -13.0       | 42.6        | Vertical | PK       | PASS    |
| 2985.9972       | -59.18        | -43.20      | 16.0        | -13.0       | 30.2        | Vertical | PK       | PASS    |
| 8083.4167       | -62.42        | -49.42      | 13.0        | -13.0       | 36.4        | Vertical | PK       | PASS    |
| 11094.854       | -67.63        | -45.25      | 22.4        | -13.0       | 32.3        | Vertical | PK       | PASS    |

Plot for Mid Channel

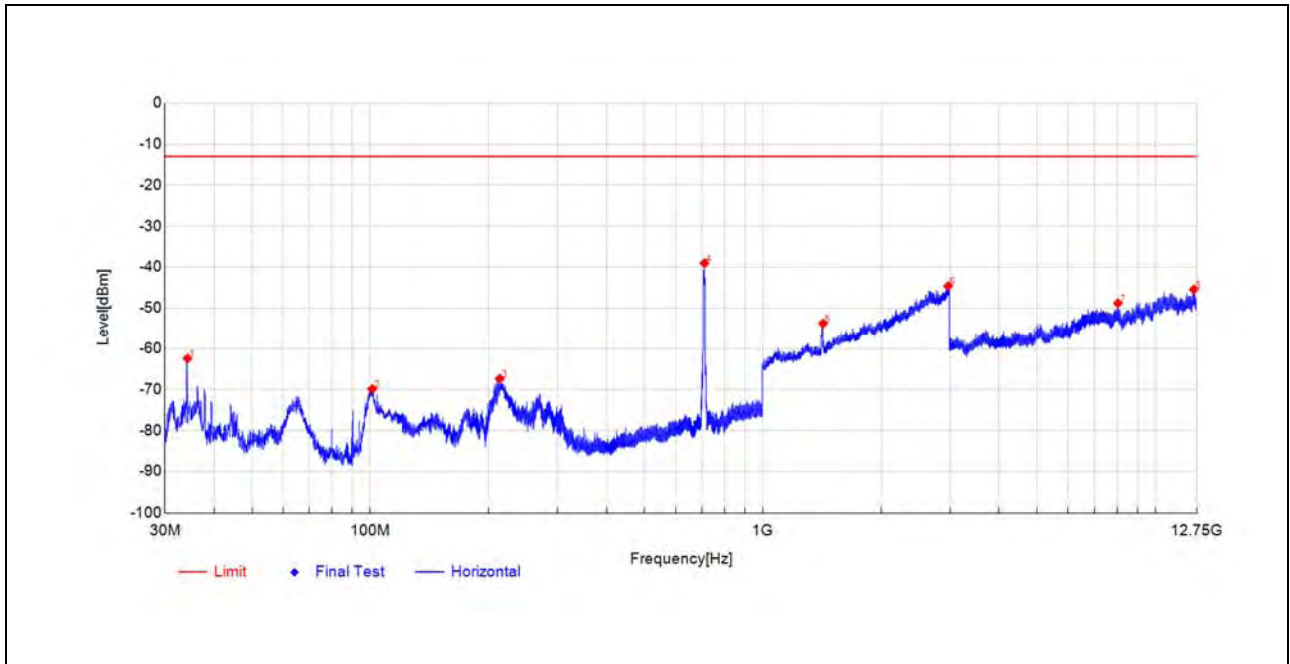


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 34.3167         | -48.19        | -63.25      | -15.1       | -13.0       | 50.3        | Horizontal | PK       | PASS    |
| 100.8135        | -46.59        | -69.17      | -22.6       | -13.0       | 56.2        | Horizontal | PK       | PASS    |
| 214.9397        | -50.61        | -66.26      | -15.7       | -13.0       | 53.3        | Horizontal | PK       | PASS    |
| 704.7657        | -31.80        | -39.77      | -8.0        | -           | -           | Horizontal | PK       | NA      |
| 1414.883        | -53.68        | -54.01      | -0.3        | -13.0       | 41.0        | Horizontal | PK       | PASS    |
| 2995.9992       | -60.04        | -44.66      | 15.4        | -13.0       | 31.7        | Horizontal | PK       | PASS    |
| 7368.7059       | -62.33        | -49.76      | 12.6        | -13.0       | 36.8        | Horizontal | PK       | PASS    |
| 12571.078       | -68.56        | -45.27      | 23.3        | -13.0       | 32.3        | Horizontal | PK       | PASS    |

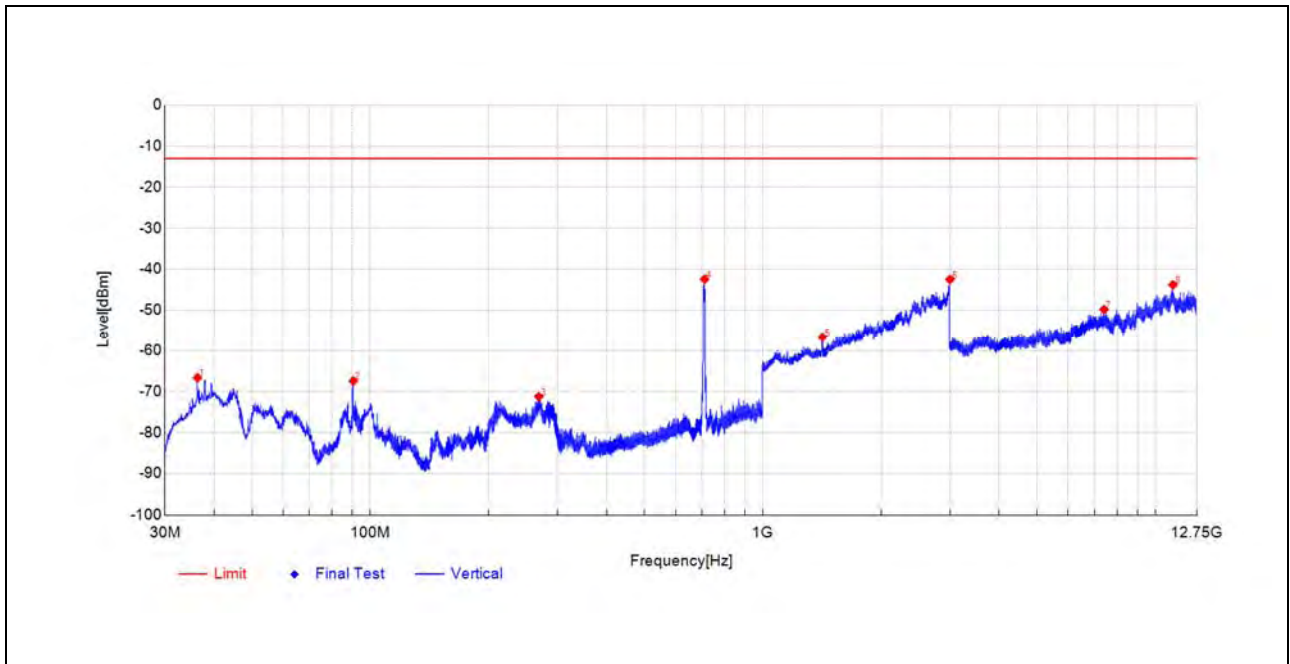


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.8574         | -44.54        | -66.96      | -22.4       | -13.0       | 54.0        | Vertical | PK       | PASS    |
| 90.434          | -45.25        | -67.32      | -22.1       | -13.0       | 54.3        | Vertical | PK       | PASS    |
| 271.4451        | -54.43        | -71.80      | -17.4       | -13.0       | 58.8        | Vertical | PK       | PASS    |
| 704.7172        | -33.78        | -41.87      | -8.1        | -           | -           | Vertical | PK       | NA      |
| 1407.2815       | -55.63        | -55.94      | -0.3        | -13.0       | 42.9        | Vertical | PK       | PASS    |
| 2995.9992       | -60.63        | -43.40      | 17.2        | -13.0       | 30.4        | Vertical | PK       | PASS    |
| 7270.226        | -61.45        | -49.54      | 11.9        | -13.0       | 36.5        | Vertical | PK       | PASS    |
| 11126.543       | -66.74        | -44.70      | 22.0        | -13.0       | 31.7        | Vertical | PK       | PASS    |

### Plot for High Channel



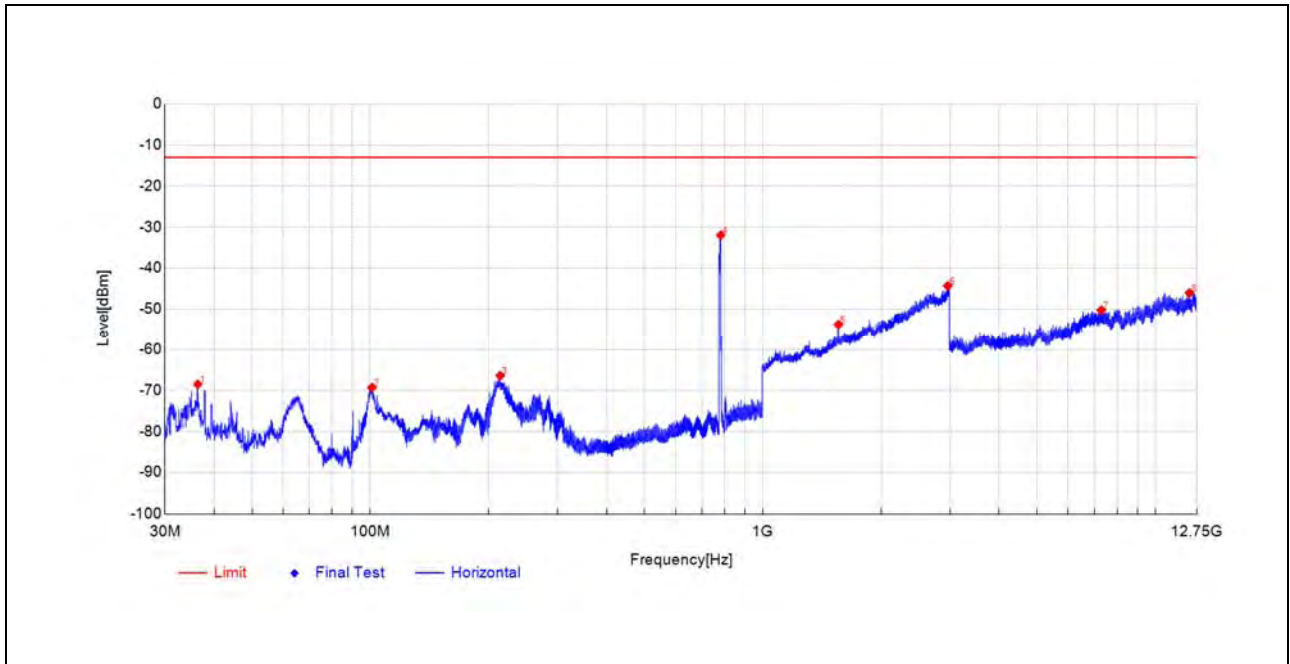
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 34.2197         | -47.37        | -62.43      | -15.1       | -13.0       | 49.4        | Horizontal | PK       | PASS    |
| 101.1531        | -47.35        | -69.91      | -22.6       | -13.0       | 56.9        | Horizontal | PK       | PASS    |
| 213.8727        | -51.65        | -67.38      | -15.7       | -13.0       | 54.4        | Horizontal | PK       | PASS    |
| 710.2465        | -31.30        | -38.99      | -7.7        | -           | -           | Horizontal | PK       | NA      |
| 1424.4849       | -53.66        | -53.74      | -0.1        | -13.0       | 40.7        | Horizontal | PK       | PASS    |
| 2964.793        | -59.59        | -44.60      | 15.0        | -13.0       | 31.6        | Horizontal | PK       | PASS    |
| 8032.7141       | -62.21        | -48.76      | 13.5        | -13.0       | 35.8        | Horizontal | PK       | PASS    |
| 12531.589       | -68.77        | -45.41      | 23.4        | -13.0       | 32.4        | Horizontal | PK       | PASS    |



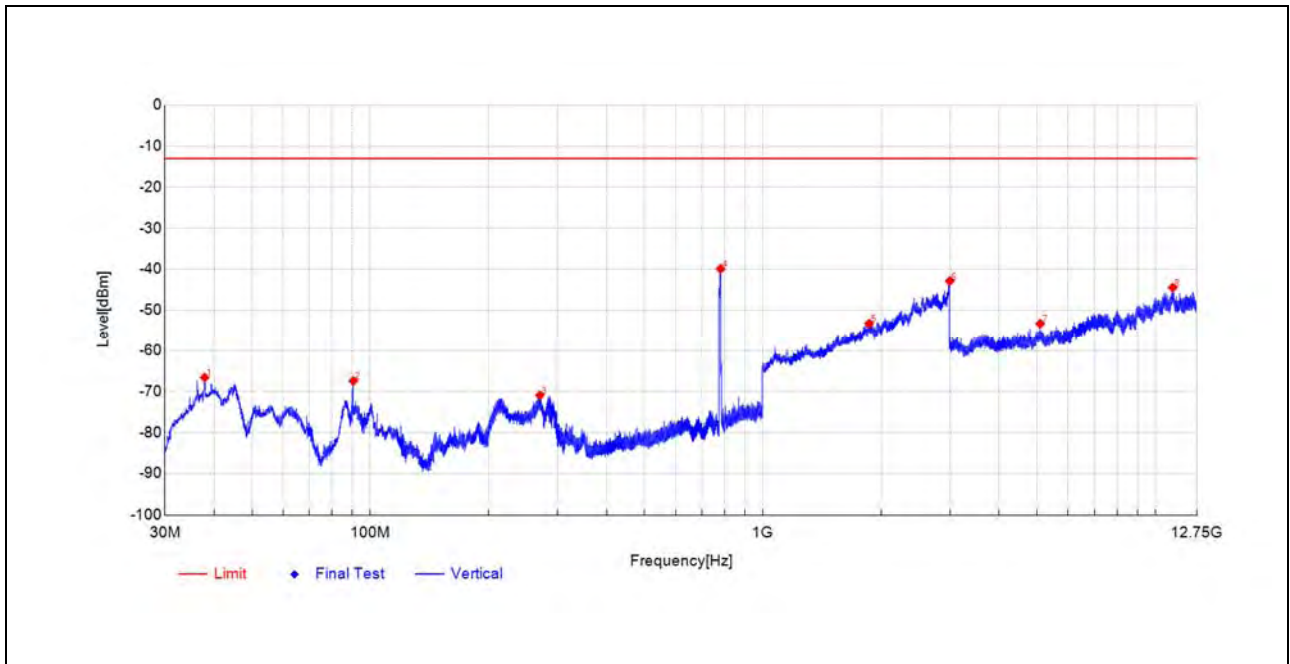
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 36.3053         | -43.69        | -66.63      | -22.9       | -13.0       | 53.6        | Vertical | PK       | PASS    |
| 90.434          | -45.38        | -67.45      | -22.1       | -13.0       | 54.5        | Vertical | PK       | PASS    |
| 268.9229        | -53.83        | -71.26      | -17.4       | -13.0       | 58.3        | Vertical | PK       | PASS    |
| 710.877         | -34.60        | -42.41      | -7.8        | -           | -           | Vertical | PK       | NA      |
| 1418.8838       | -56.28        | -56.65      | -0.4        | -13.0       | 43.7        | Vertical | PK       | PASS    |
| 2997.9996       | -59.95        | -42.47      | 17.5        | -13.0       | 29.5        | Vertical | PK       | PASS    |
| 7398.9324       | -61.52        | -49.81      | 11.7        | -13.0       | 36.8        | Vertical | PK       | PASS    |
| 11092.417       | -66.15        | -43.77      | 22.4        | -13.0       | 30.8        | Vertical | PK       | PASS    |

**LTE Band 13**

Plot for Low Channel

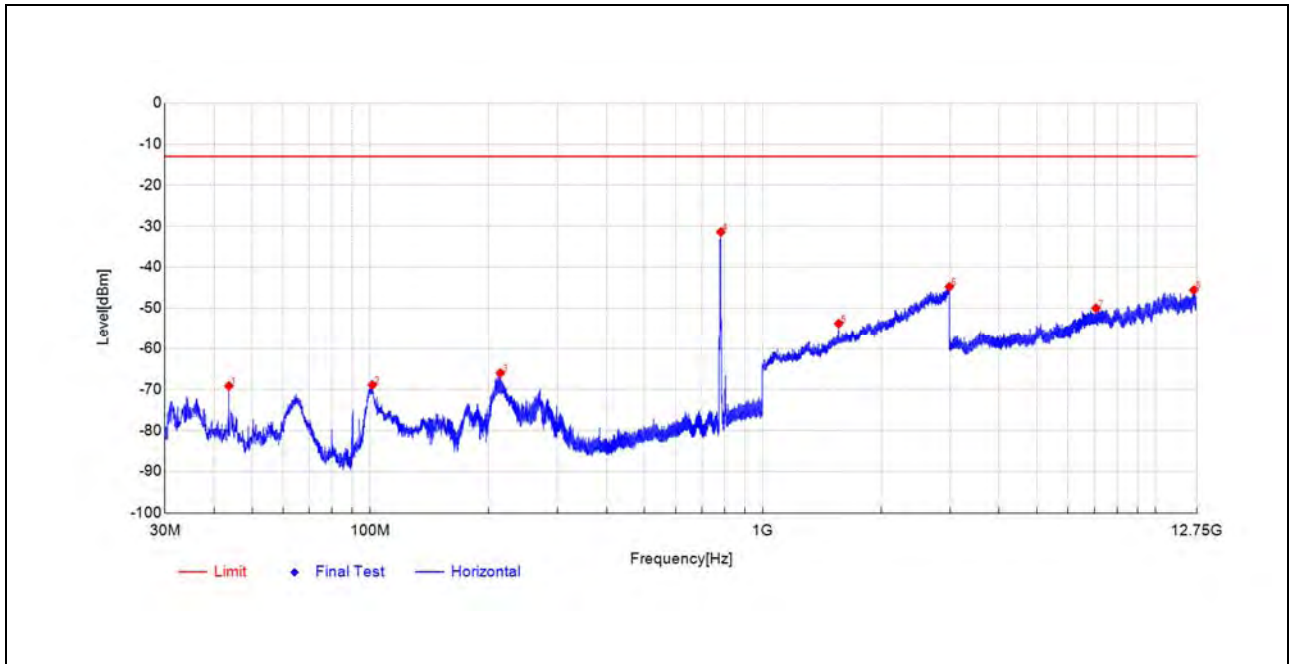


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3538         | -53.46        | -68.53      | -15.1       | -13.0       | 55.5        | Horizontal | PK       | PASS    |
| 100.959         | -46.77        | -69.34      | -22.6       | -13.0       | 56.3        | Horizontal | PK       | PASS    |
| 214.2122        | -50.71        | -66.42      | -15.7       | -13.0       | 53.4        | Horizontal | PK       | PASS    |
| 781.1086        | -24.69        | -31.94      | -7.3        | -           | -           | Horizontal | PK       | NA      |
| 1558.9118       | -56.24        | -53.76      | 2.5         | -13.0       | 40.8        | Horizontal | PK       | PASS    |
| 2958.7918       | -59.37        | -44.33      | 15.0        | -13.0       | 31.3        | Horizontal | PK       | PASS    |
| 7286.3143       | -62.87        | -50.22      | 12.7        | -13.0       | 37.2        | Horizontal | PK       | PASS    |
| 12214.698       | -67.91        | -46.03      | 21.9        | -13.0       | 33.0        | Horizontal | PK       | PASS    |

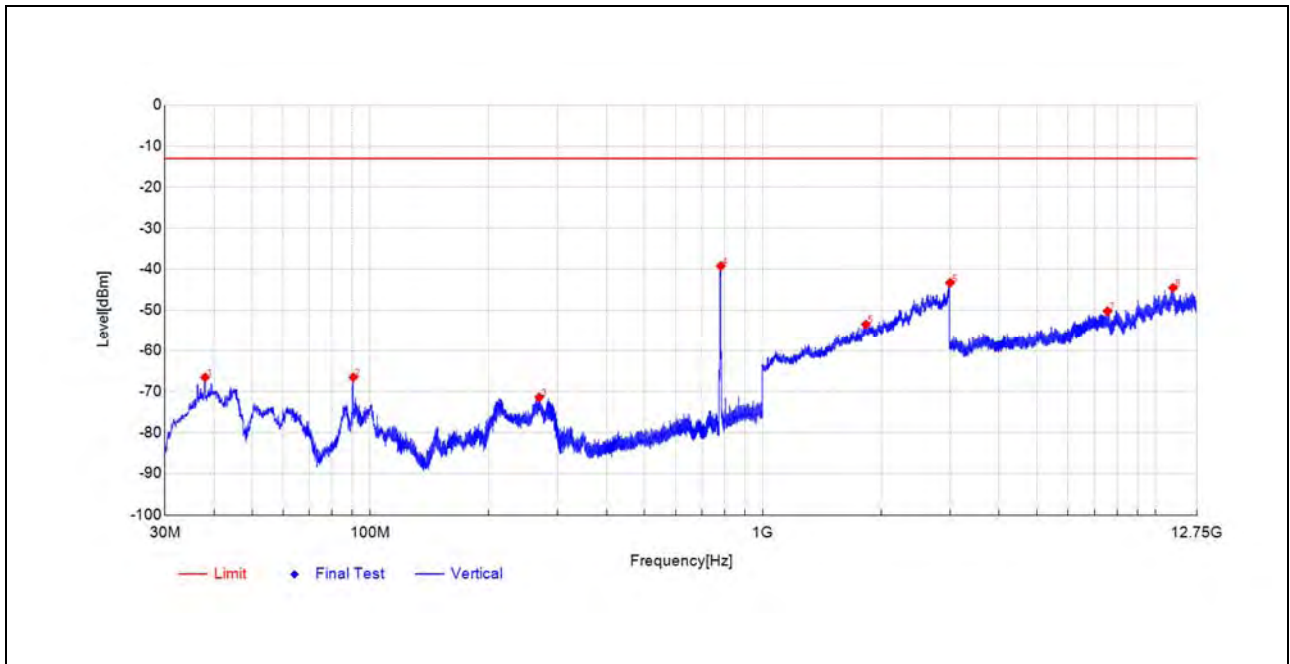


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.8574         | -44.18        | -66.60      | -22.4       | -13.0       | 53.6        | Vertical | PK       | PASS    |
| 90.4825         | -45.36        | -67.43      | -22.1       | -13.0       | 54.4        | Vertical | PK       | PASS    |
| 270.378         | -53.53        | -70.92      | -17.4       | -13.0       | 57.9        | Vertical | PK       | PASS    |
| 780.5265        | -32.77        | -39.88      | -7.1        | -           | -           | Vertical | PK       | NA      |
| 1866.1732       | -58.44        | -53.23      | 5.2         | -13.0       | 40.2        | Vertical | PK       | PASS    |
| 2994.3989       | -59.89        | -42.86      | 17.0        | -13.0       | 29.9        | Vertical | PK       | PASS    |
| 5088.0669       | -58.73        | -53.26      | 5.5         | -13.0       | 40.3        | Vertical | PK       | PASS    |
| 11075.841       | -66.77        | -44.46      | 22.3        | -13.0       | 31.5        | Vertical | PK       | PASS    |

Plot for Mid Channel

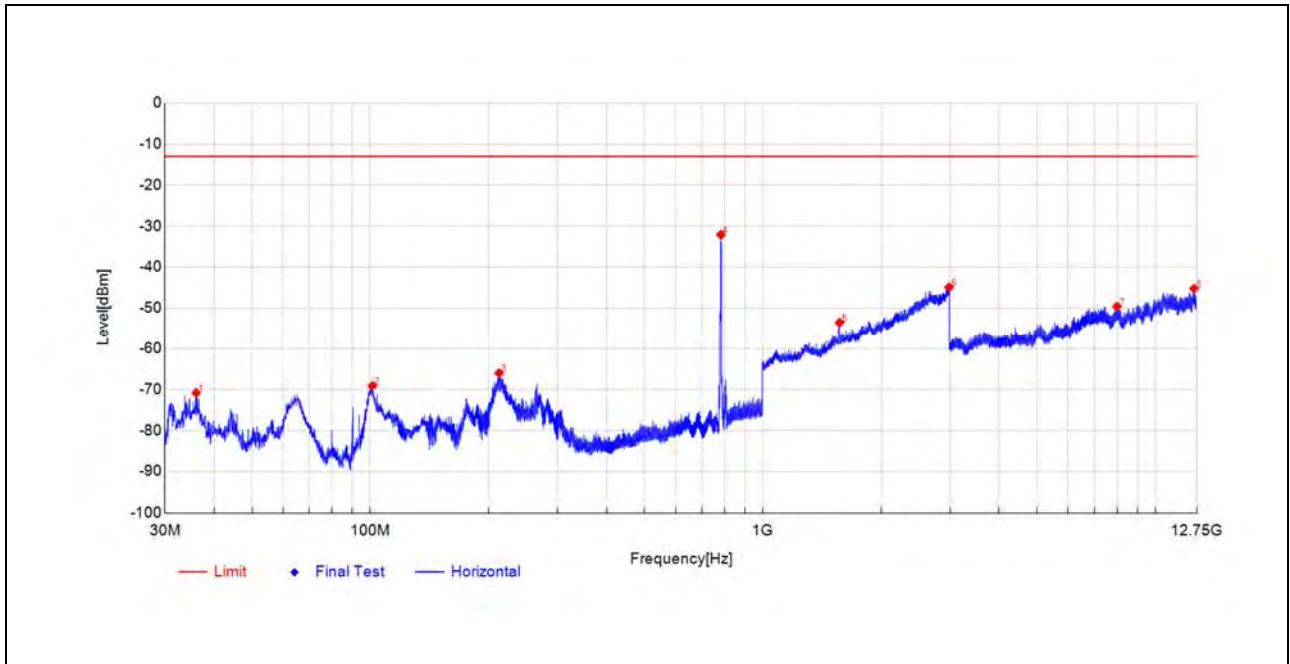


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 43.6292         | -54.05        | -69.17      | -15.1       | -13.0       | 56.2        | Horizontal | PK       | PASS    |
| 101.2501        | -46.38        | -68.93      | -22.6       | -13.0       | 55.9        | Horizontal | PK       | PASS    |
| 214.5032        | -50.33        | -66.02      | -15.7       | -13.0       | 53.0        | Horizontal | PK       | PASS    |
| 782.0301        | -24.15        | -31.40      | -7.3        | -           | -           | Horizontal | PK       | NA      |
| 1561.3123       | -56.23        | -53.74      | 2.5         | -13.0       | 40.7        | Horizontal | PK       | PASS    |
| 2987.5975       | -59.86        | -44.77      | 15.1        | -13.0       | 31.8        | Horizontal | PK       | PASS    |
| 7062.0531       | -61.93        | -49.99      | 11.9        | -13.0       | 37.0        | Horizontal | PK       | PASS    |
| 12541.339       | -68.91        | -45.57      | 23.3        | -13.0       | 32.6        | Horizontal | PK       | PASS    |

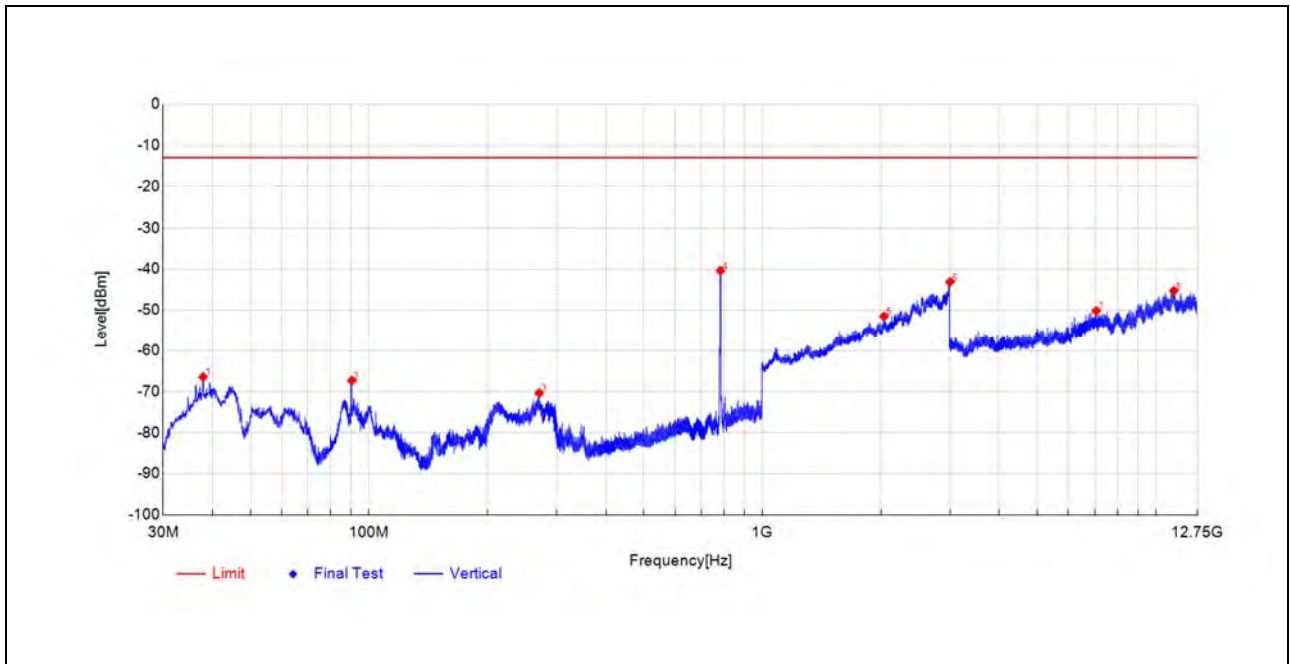


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9544         | -44.18        | -66.57      | -22.4       | -13.0       | 53.6        | Vertical | PK       | PASS    |
| 90.4825         | -44.48        | -66.55      | -22.1       | -13.0       | 53.6        | Vertical | PK       | PASS    |
| 269.4565        | -54.01        | -71.42      | -17.4       | -13.0       | 58.4        | Vertical | PK       | PASS    |
| 781.7391        | -32.14        | -39.21      | -7.1        | -           | -           | Vertical | PK       | NA      |
| 1830.9662       | -59.00        | -53.46      | 5.5         | -13.0       | 40.5        | Vertical | PK       | PASS    |
| 2999.1998       | -60.91        | -43.28      | 17.6        | -13.0       | 30.3        | Vertical | PK       | PASS    |
| 7557.3779       | -61.71        | -50.19      | 11.5        | -13.0       | 37.2        | Vertical | PK       | PASS    |
| 11091.442       | -66.88        | -44.50      | 22.4        | -13.0       | 31.5        | Vertical | PK       | PASS    |

### Plot for High Channel



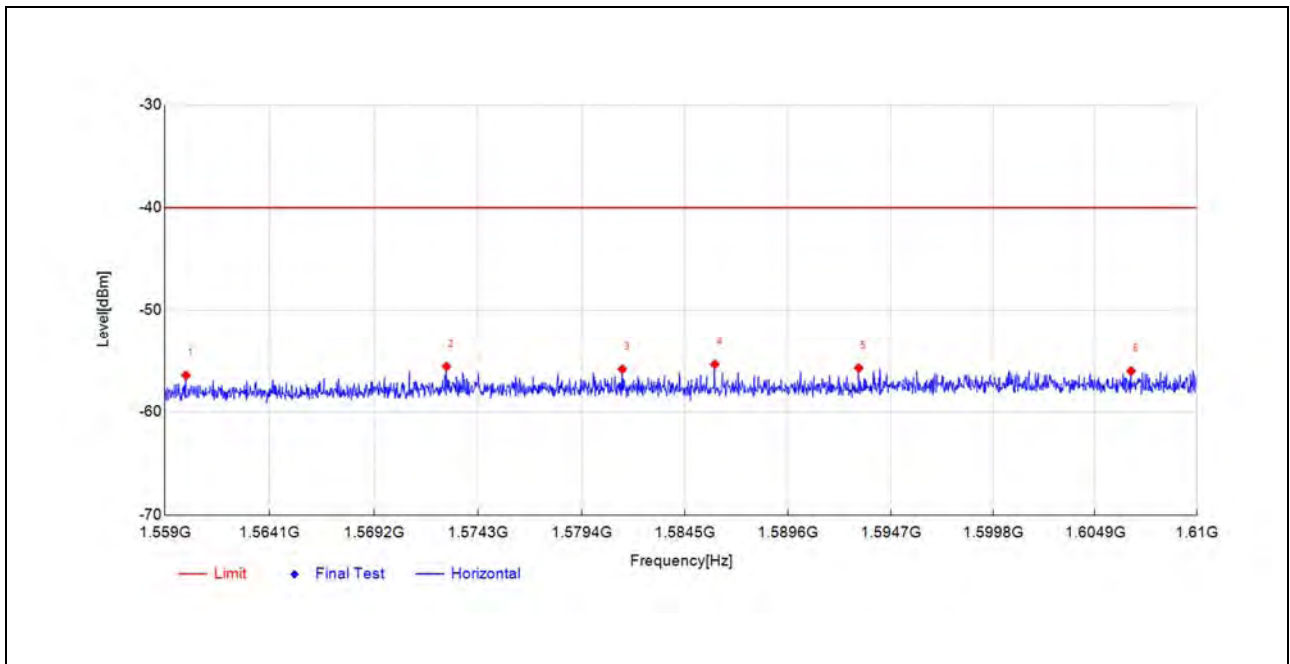
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.0143         | -55.79        | -70.86      | -15.1       | -13.0       | 57.9        | Horizontal | PK       | PASS    |
| 101.2501        | -46.59        | -69.14      | -22.6       | -13.0       | 56.1        | Horizontal | PK       | PASS    |
| 212.9996        | -50.25        | -66.05      | -15.8       | -13.0       | 53.1        | Horizontal | PK       | PASS    |
| 782.4666        | -24.84        | -32.08      | -7.2        | -           | -           | Horizontal | PK       | NA      |
| 1568.9138       | -56.01        | -53.51      | 2.5         | -13.0       | 40.5        | Horizontal | PK       | PASS    |
| 2981.9964       | -59.79        | -44.89      | 14.9        | -13.0       | 31.9        | Horizontal | PK       | PASS    |
| 7988.3494       | -62.93        | -49.57      | 13.4        | -13.0       | 36.6        | Horizontal | PK       | PASS    |
| 12554.990       | -68.53        | -45.22      | 23.3        | -13.0       | 32.2        | Horizontal | PK       | PASS    |



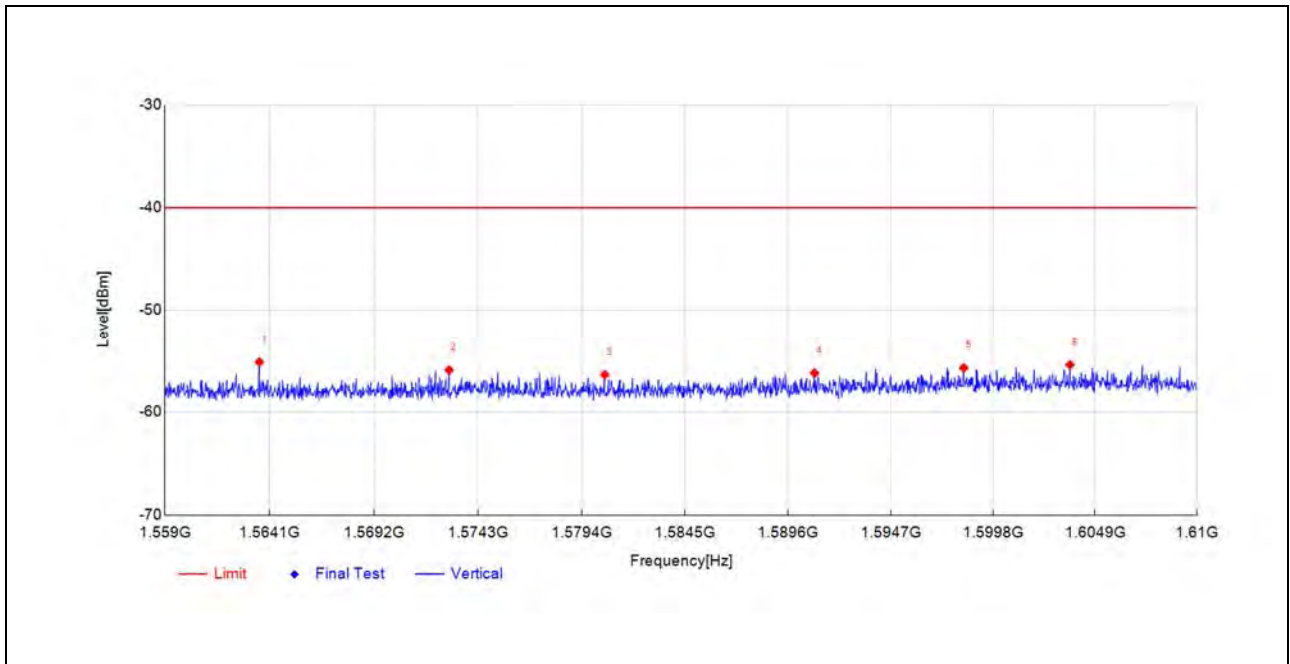
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -44.05        | -66.45      | -22.4       | -13.0       | 53.5        | Vertical | PK       | PASS    |
| 90.434          | -45.25        | -67.32      | -22.1       | -13.0       | 54.3        | Vertical | PK       | PASS    |
| 270.9115        | -53.02        | -70.40      | -17.4       | -13.0       | 57.4        | Vertical | PK       | PASS    |
| 782.6121        | -33.30        | -40.35      | -7.1        | -           | -           | Vertical | PK       | NA      |
| 2038.6077       | -57.80        | -51.49      | 6.3         | -13.0       | 38.5        | Vertical | PK       | PASS    |
| 2998.7998       | -60.68        | -43.10      | 17.6        | -13.0       | 30.1        | Vertical | PK       | PASS    |
| 7060.103        | -61.25        | -50.15      | 11.1        | -13.0       | 37.2        | Vertical | PK       | PASS    |
| 11118.743       | -67.40        | -45.25      | 22.2        | -13.0       | 32.3        | Vertical | PK       | PASS    |



## Plot for 1559MHz-1610MHz



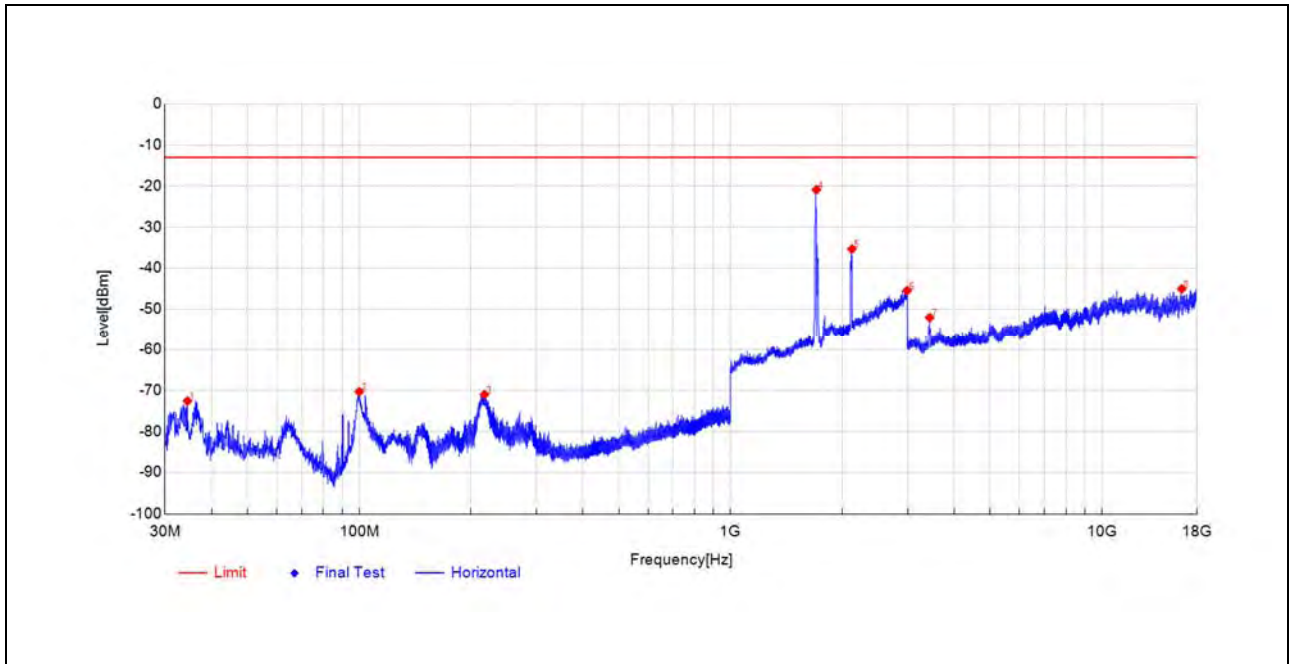
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 1560.0205       | -58.93        | -56.44      | 2.5         | -40.0       | 16.4        | Horizontal | PK       | PASS    |
| 1572.7514       | -58.08        | -55.57      | 2.5         | -40.0       | 15.6        | Horizontal | PK       | PASS    |
| 1581.4002       | -58.38        | -55.85      | 2.5         | -40.0       | 15.9        | Horizontal | PK       | PASS    |
| 1585.967        | -57.88        | -55.36      | 2.5         | -40.0       | 15.4        | Horizontal | PK       | PASS    |
| 1593.1106       | -58.24        | -55.72      | 2.5         | -40.0       | 15.7        | Horizontal | PK       | PASS    |
| 1606.7089       | -58.57        | -56.02      | 2.6         | -40.0       | 16.0        | Horizontal | PK       | PASS    |



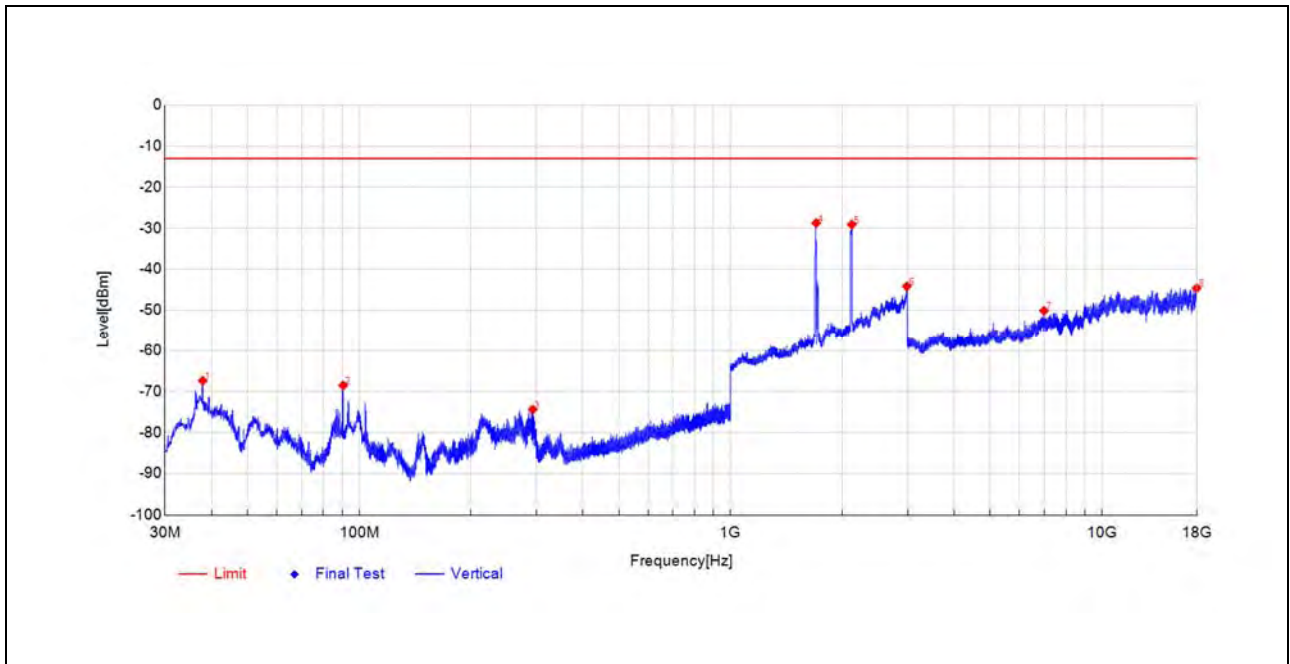
| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 1563.5923       | -57.74        | -55.13      | 2.6         | -40.0       | 15.1        | Vertical | PK       | PASS    |
| 1572.8789       | -58.38        | -55.92      | 2.5         | -40.0       | 15.9        | Vertical | PK       | PASS    |
| 1580.5328       | -58.72        | -56.38      | 2.3         | -40.0       | 16.4        | Vertical | PK       | PASS    |
| 1590.9165       | -58.69        | -56.21      | 2.5         | -40.0       | 16.2        | Vertical | PK       | PASS    |
| 1598.3407       | -58.28        | -55.70      | 2.6         | -40.0       | 15.7        | Vertical | PK       | PASS    |
| 1603.6473       | -58.05        | -55.40      | 2.7         | -40.0       | 15.4        | Vertical | PK       | PASS    |

**LTE Band 66**

Plot for Low Channel

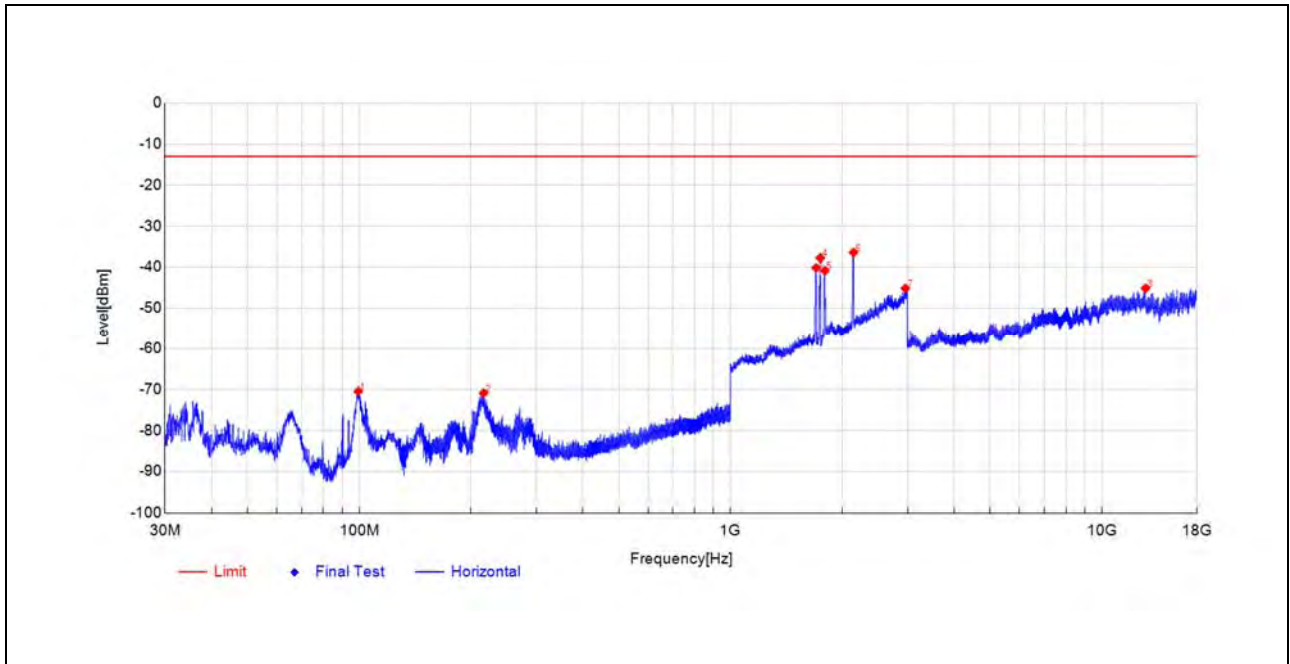


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 34.4622         | -57.36        | -72.61      | -15.3       | -13.0       | 59.6        | Horizontal | PK       | PASS    |
| 100.0375        | -47.48        | -70.36      | -22.9       | -13.0       | 57.4        | Horizontal | PK       | PASS    |
| 217.4134        | -54.91        | -71.02      | -16.1       | -13.0       | 58.0        | Horizontal | PK       | PASS    |
| 1702.1404       | -24.25        | -20.88      | 3.4         | -           | -           | Horizontal | PK       | NA      |
| 2122.6245       | -41.26        | -35.34      | 5.9         | -           | -           | Horizontal | PK       | NA      |
| 2985.9972       | -59.48        | -45.50      | 14.0        | -13.0       | 32.5        | Horizontal | PK       | PASS    |
| 3437.6339       | -52.55        | -52.03      | 0.5         | -13.0       | 39.0        | Horizontal | PK       | PASS    |
| 16404.896       | -70.65        | -45.04      | 25.6        | -13.0       | 32.0        | Horizontal | PK       | PASS    |

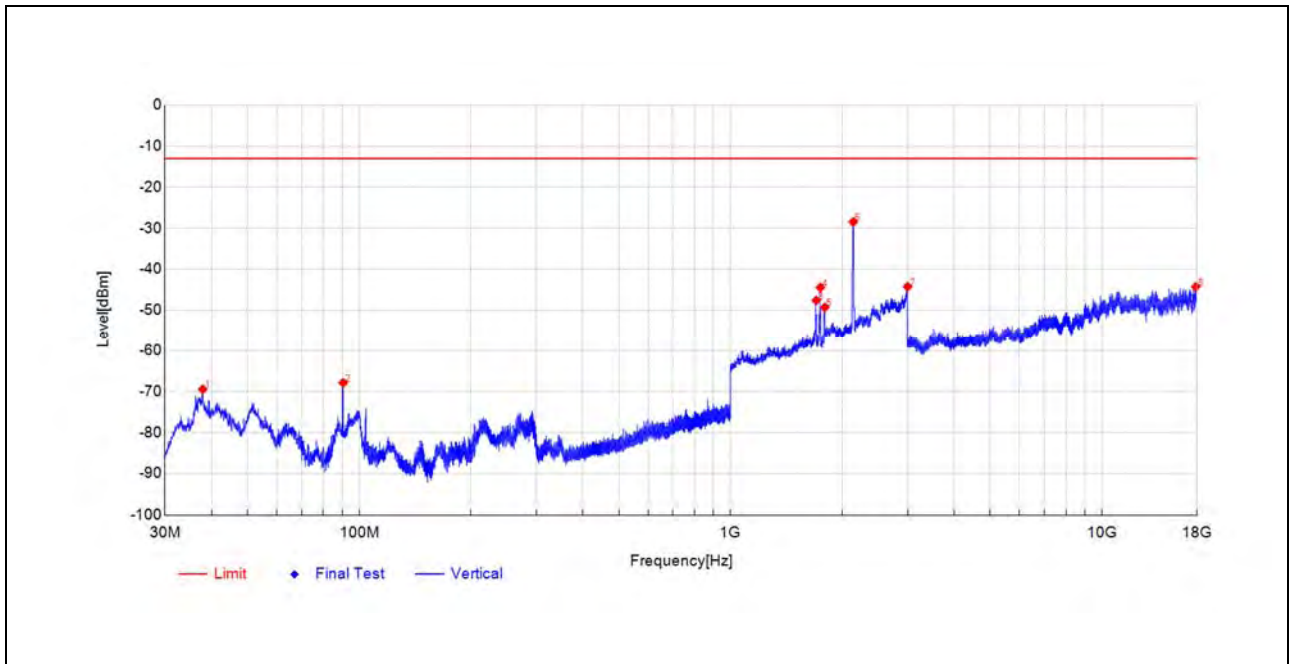


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -44.79        | -67.38      | -22.6       | -13.0       | 54.4        | Vertical | PK       | PASS    |
| 90.4825         | -46.31        | -68.56      | -22.3       | -13.0       | 55.6        | Vertical | PK       | PASS    |
| 293.1742        | -57.66        | -74.40      | -16.7       | -13.0       | 61.4        | Vertical | PK       | PASS    |
| 1700.14         | -32.18        | -28.71      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 2120.6241       | -34.89        | -29.09      | 5.8         | -           | -           | Vertical | PK       | NA      |
| 2983.1966       | -58.74        | -44.16      | 14.6        | -13.0       | 31.2        | Vertical | PK       | PASS    |
| 6984.0394       | -61.15        | -50.09      | 11.1        | -13.0       | 37.1        | Vertical | PK       | PASS    |
| 17996.159       | -68.64        | -44.61      | 24.0        | -13.0       | 31.6        | Vertical | PK       | PASS    |

Plot for Mid Channel

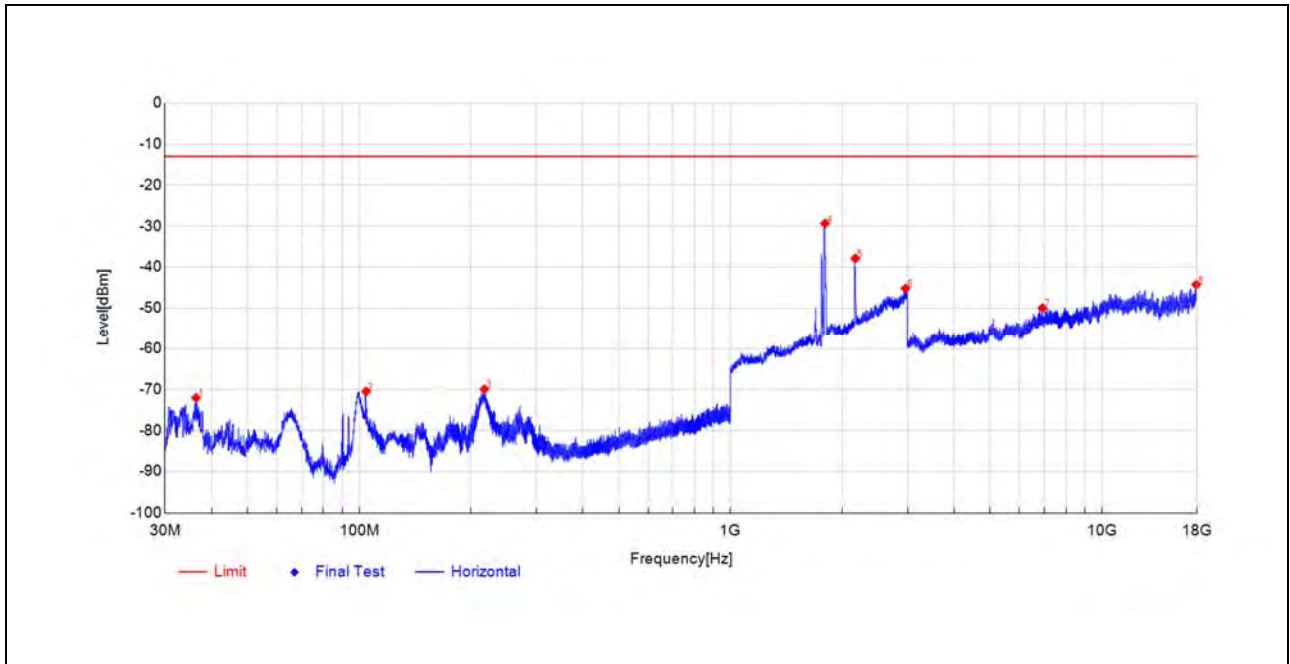


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 99.407          | -47.57        | -70.48      | -22.9       | -13.0       | 57.5        | Horizontal | PK       | PASS    |
| 216.3948        | -54.73        | -70.91      | -16.2       | -13.0       | 57.9        | Horizontal | PK       | PASS    |
| 1700.5401       | -43.50        | -40.16      | 3.3         | -           | -           | Horizontal | PK       | NA      |
| 1744.1488       | -40.69        | -37.72      | 3.0         | -           | -           | Horizontal | PK       | NA      |
| 1794.1588       | -44.97        | -40.84      | 4.1         | -           | -           | Horizontal | PK       | NA      |
| 2142.6285       | -42.42        | -36.40      | 6.0         | -           | -           | Horizontal | PK       | NA      |
| 2956.7914       | -59.29        | -45.13      | 14.2        | -13.0       | 32.1        | Horizontal | PK       | PASS    |
| 13106.684       | -69.15        | -45.12      | 24.0        | -13.0       | 32.1        | Horizontal | PK       | PASS    |

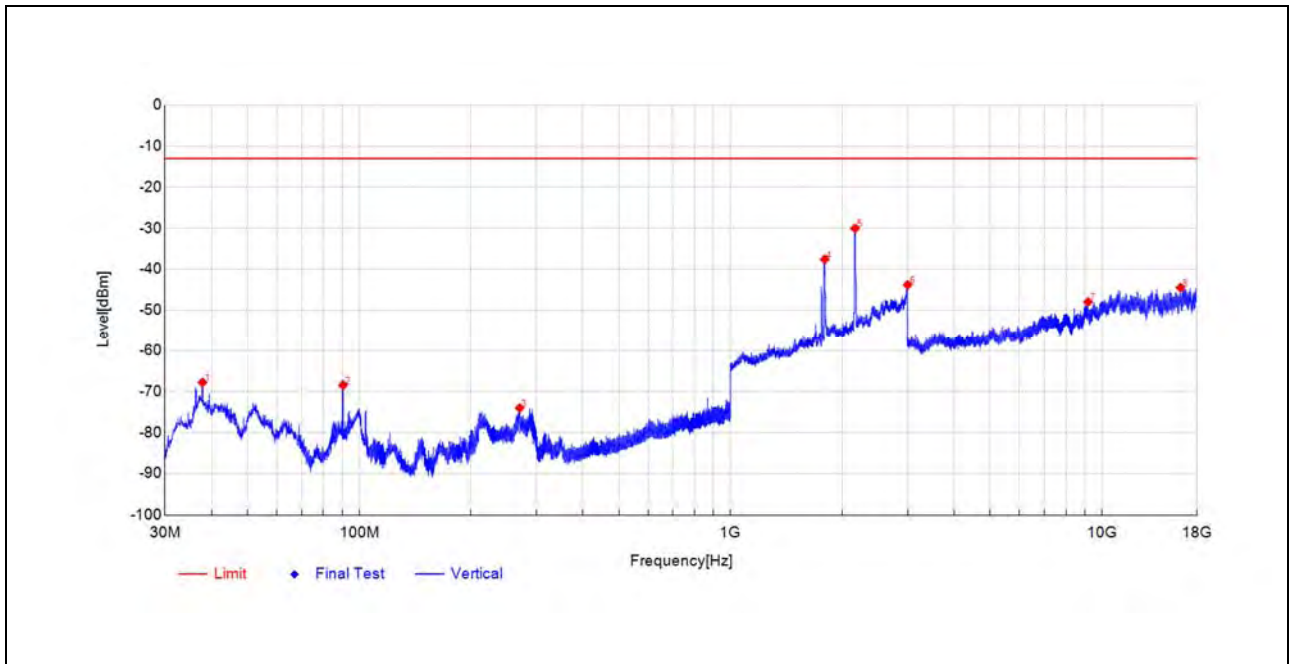


| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.9059         | -46.89        | -69.48      | -22.6       | -13.0       | 56.5        | Vertical | PK       | PASS    |
| 90.4825         | -45.66        | -67.91      | -22.3       | -13.0       | 54.9        | Vertical | PK       | PASS    |
| 1701.3403       | -51.05        | -47.57      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 1744.949        | -47.87        | -44.42      | 3.5         | -           | -           | Vertical | PK       | NA      |
| 1793.7588       | -52.96        | -49.28      | 3.7         | -           | -           | Vertical | PK       | NA      |
| 2138.6277       | -34.36        | -28.45      | 5.9         | -           | -           | Vertical | PK       | NA      |
| 2998.7998       | -60.81        | -44.23      | 16.6        | -13.0       | 31.2        | Vertical | PK       | PASS    |
| 17896.315       | -68.83        | -44.25      | 24.6        | -13.0       | 31.3        | Vertical | PK       | PASS    |

### Plot for High Channel



| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity   | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|------------|----------|---------|
| 36.3538         | -56.84        | -72.09      | -15.3       | -13.0       | 59.1        | Horizontal | PK       | PASS    |
| 104.3057        | -47.79        | -70.50      | -22.7       | -13.0       | 57.5        | Horizontal | PK       | PASS    |
| 217.1709        | -53.82        | -69.95      | -16.1       | -13.0       | 57.0        | Horizontal | PK       | PASS    |
| 1795.7592       | -33.47        | -29.33      | 4.1         | -           | -           | Horizontal | PK       | NA      |
| 2166.6333       | -44.43        | -37.87      | 6.6         | -           | -           | Horizontal | PK       | NA      |
| 2957.9916       | -59.33        | -45.18      | 14.2        | -13.0       | 32.2        | Horizontal | PK       | PASS    |
| 6917.3167       | -61.48        | -49.93      | 11.6        | -13.0       | 36.9        | Horizontal | PK       | PASS    |
| 17946.237       | -68.41        | -44.23      | 24.2        | -13.0       | 31.2        | Horizontal | PK       | PASS    |



| Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| 37.8574         | -45.20        | -67.81      | -22.6       | -13.0       | 54.8        | Vertical | PK       | PASS    |
| 90.434          | -46.21        | -68.47      | -22.3       | -13.0       | 55.5        | Vertical | PK       | PASS    |
| 270.475         | -56.33        | -74.04      | -17.7       | -13.0       | 61.0        | Vertical | PK       | PASS    |
| 1793.3587       | -41.25        | -37.57      | 3.7         | -           | -           | Vertical | PK       | NA      |
| 2163.8328       | -36.05        | -30.02      | 6.0         | -           | -           | Vertical | PK       | NA      |
| 2998.7998       | -60.36        | -43.78      | 16.6        | -13.0       | 30.8        | Vertical | PK       | PASS    |
| 9178.2071       | -64.79        | -47.95      | 16.8        | -13.0       | 35.0        | Vertical | PK       | PASS    |
| 16280.091       | -70.67        | -44.45      | 26.2        | -13.0       | 31.5        | Vertical | PK       | PASS    |



## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

| Test Items                          | Uncertainty   |
|-------------------------------------|---------------|
| Output Power                        | $\pm 2.22$ dB |
| Bandwidth                           | $\pm 5\%$     |
| Conducted Spurious Emission         | $\pm 2.77$ dB |
| Band Edge                           | $\pm 2.77$ dB |
| Equivalent Isotropic Radiated Power | $\pm 2.22$ dB |
| Radiated Spurious Emissions         | $\pm 6$ dB    |

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .





## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

|                            |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Laboratory Name:</b>    | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Laboratory Address:</b> | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |
| <b>Telephone:</b>          | +86 755 36698555                                                                                                                 |
| <b>Facsimile:</b>          | +86 755 36698525                                                                                                                 |

### 2. Identification of the Responsible Testing Location

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b>    | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Address:</b> | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



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#### 4. Test Equipment Utilized

##### 4.1 Conducted Test Equipment

| Equipment                  | Serial No.             | Type            | Manufacturer | Cal. Date  | Due Date   |
|----------------------------|------------------------|-----------------|--------------|------------|------------|
| EXA Signal Analyzer        | MY51511149             | N9020A          | Agilent      | 2025.05.15 | 2026.05.14 |
| Communication Test Station | 6200995016             | MT8820C         | Anritsu      | 2024.09.11 | 2025.09.10 |
| Temperature Chamber        | S022177101<br>00089002 | KMT-36LF<br>1A0 | KOMEG        | 2024.09.11 | 2025.09.10 |

##### 4.2 List of Software Used

| Description           | Manufacturer | Software Version |
|-----------------------|--------------|------------------|
| MOR-2023E Test System | MORLAB       | V7.99            |
| JS36-RSE              | Tonscend     | 5.0.0            |



**4.3 Radiated Test Equipment**

| Equipment                      | Serial No.  | Type                | Manufacturer | Cal. Date  | Due Date   |
|--------------------------------|-------------|---------------------|--------------|------------|------------|
| System Simulator               | 152038      | CMW500              | R&S          | 2024.09.11 | 2025.09.10 |
| Signal Analyzer                | MY56060145  | N9020A              | Agilent      | 2025.05.13 | 2026.05.12 |
| Test Antenna -<br>Bi-Log       | 9163-519    | VULB 9163           | Schwarzbeck  | 2024.06.22 | 2025.06.21 |
|                                |             |                     |              | 2025.06.20 | 2026.06.19 |
| Test Antenna -<br>Horn         | 9120D-963   | BBHA 9120D          | Schwarzbeck  | 2025.05.16 | 2026.05.15 |
| RF Coaxial Cable<br>(DC-18GHz) | MRE001      | PE330               | Pasternack   | 2025.05.13 | 2026.05.12 |
| RF Coaxial Cable<br>(DC-18GHz) | MRE002      | CLU18               | Pasternack   | 2025.05.13 | 2026.05.12 |
| RF Coaxial Cable<br>(DC-18GHz) | MRE003      | CLU18               | Pasternack   | 2025.05.13 | 2026.05.12 |
| RF Coaxial Cable<br>(DC-40GHz) | 22290045    | QA360-40-K<br>K-0.5 | Qualwave     | 2024.09.11 | 2025.09.10 |
| RF Coaxial Cable<br>(DC-40GHz) | 22290046    | QA360-40-K<br>KF-2  | Qualwave     | 2024.09.11 | 2025.09.10 |
| RF Coaxial Cable<br>(DC-18GHz) | 22120181    | QA500-18-N<br>N-5   | Qualwave     | 2024.09.11 | 2025.09.10 |
| Preamplifier<br>(10MHz-6GHz)   | 46732       | S10M100L38<br>02    | LUCIX CORP.  | 2025.05.13 | 2026.05.12 |
| Preamplifier<br>(2GHz-18GHz)   | 61171/61172 | S020180L32<br>03    | LUCIX CORP.  | 2025.05.13 | 2026.05.12 |
| Preamplifier<br>(18GHz-40GHz)  | DS77209     | DCLNA0118-<br>40C-S | Decentest    | 2025.05.13 | 2026.05.12 |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B2    | Wainwright   | N/A        | N/A        |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B4    | Wainwright   | N/A        | N/A        |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B5    | Wainwright   | N/A        | N/A        |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B7    | Wainwright   | N/A        | N/A        |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B13   | Wainwright   | N/A        | N/A        |
| Notch Filter                   | N/A         | WRCGV<br>-LTE B26   | Wainwright   | N/A        | N/A        |



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|                     |     |                   |            |            |            |
|---------------------|-----|-------------------|------------|------------|------------|
| Notch Filter        | N/A | WRCGV<br>-LTE B38 | Wainwright | N/A        | N/A        |
| Notch Filter        | N/A | WRCGV<br>-LTE B41 | Wainwright | N/A        | N/A        |
| Notch Filter        | N/A | WRCGV<br>-LTE B66 | Wainwright | N/A        | N/A        |
| Anechoic<br>Chamber | N/A | 9m*6m*6m          | CRT        | 2025.04.19 | 2028.04.18 |
| Anechoic<br>Chamber | N/A | 9m*6m*6m          | CRT        | 2022.11.30 | 2025.11.29 |

\_\_\_\_\_ END OF REPORT \_\_\_\_\_

