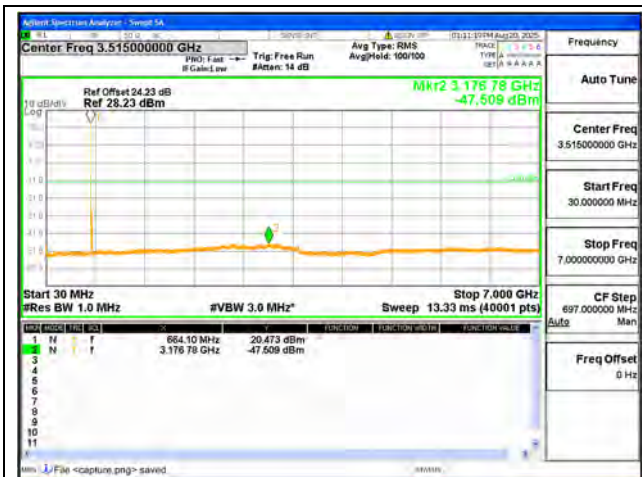
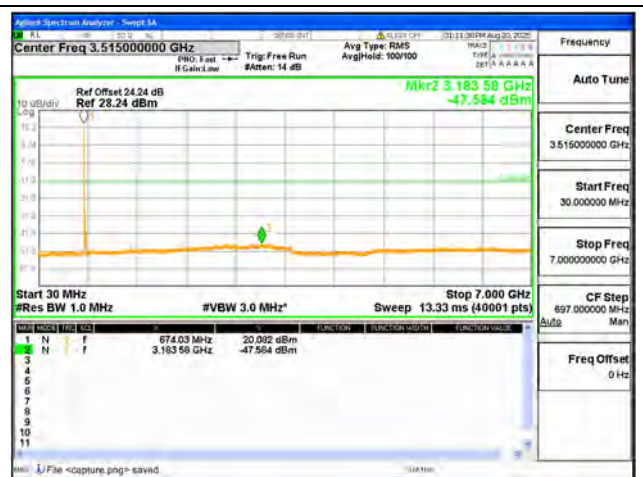


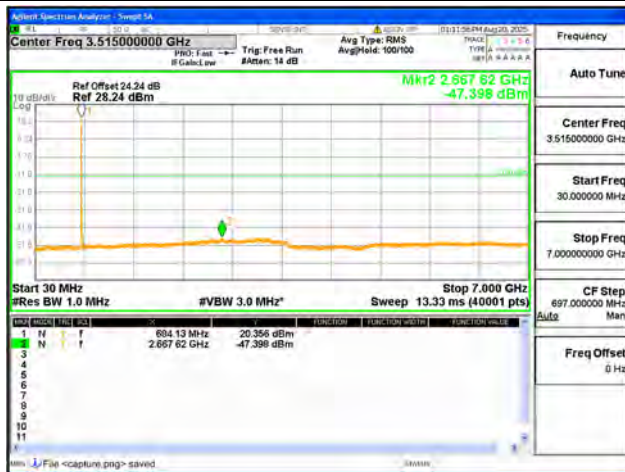




B71 / 15MHz / Low CH / QPSK



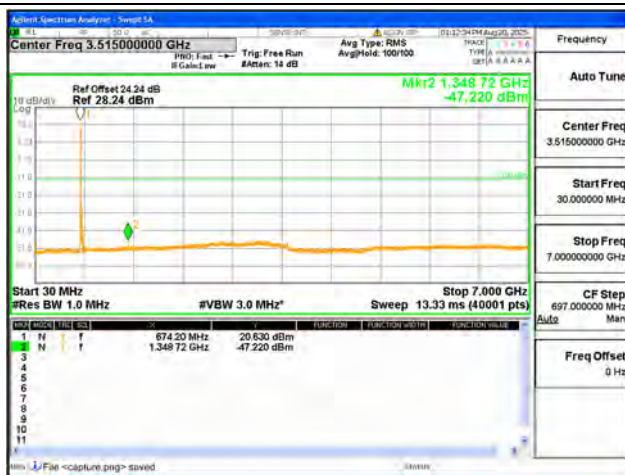
B71 / 15MHz / Mid CH / QPSK



B71 / 15MHz / High CH / QPSK



B71 / 20MHz / Low CH / QPSK



B71 / 20MHz / Mid CH / QPSK



B71 / 20MHz / High CH / QPSK

2.6. Band Edge

2.6.1. Requirement

Band 2, 25

According to FCC section 24.238(a), for operations in the 1850–1910MHz bands, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Band 4, 66

According to FCC section 27.53(h), for operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Band 5, 26

According to FCC section 22.917(a), for operations in the 824–849MHz bands, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB in a 100kHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Band 7, 41

According to FCC section 27.53(m) (4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

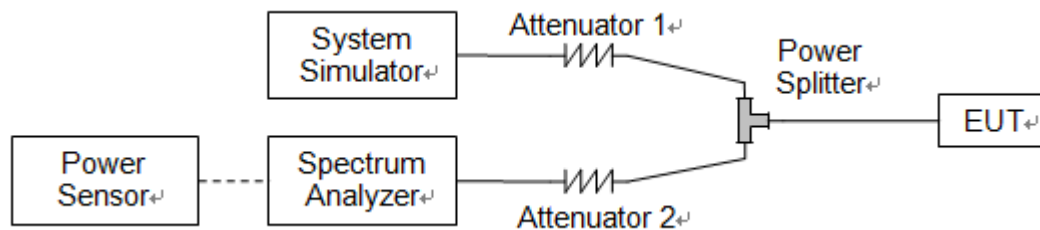
Band 12, 17, 71

According to FCC section 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Band 13

According to FCC section 27.53(c)(2), any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB in a 100kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.

2.6.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

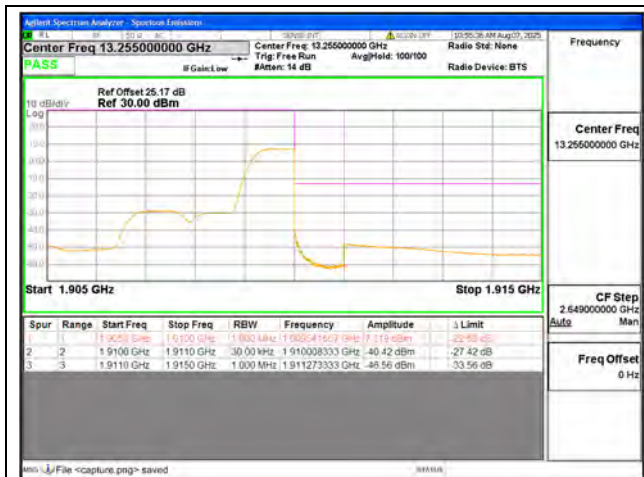
2.6.3. Test Procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.6.4. Test Result

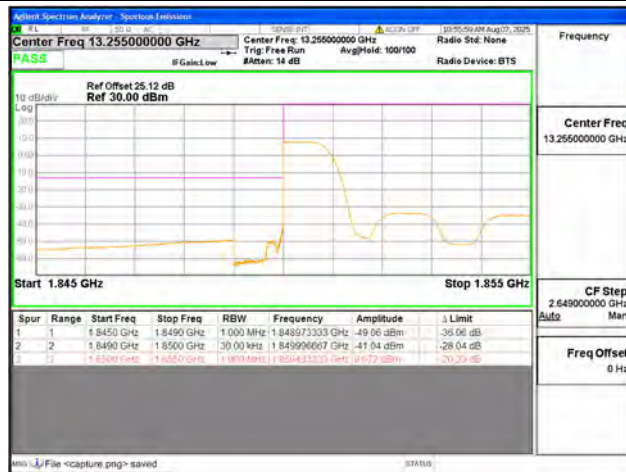




B2 / 3MHz / High CH / QPSK / 1 RB



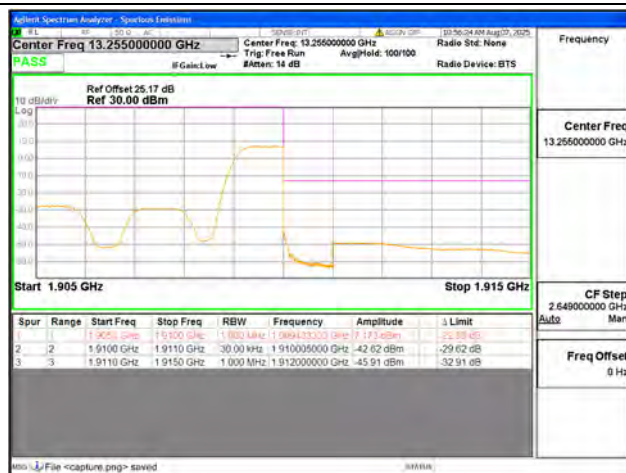
B2 / 3MHz / High CH / QPSK / FULL RB



B2 / 5MHz / Low CH / QPSK / 1 RB



B2 / 5MHz / Low CH / QPSK / FULL RB



B2 / 5MHz / High CH / QPSK / 1 RB



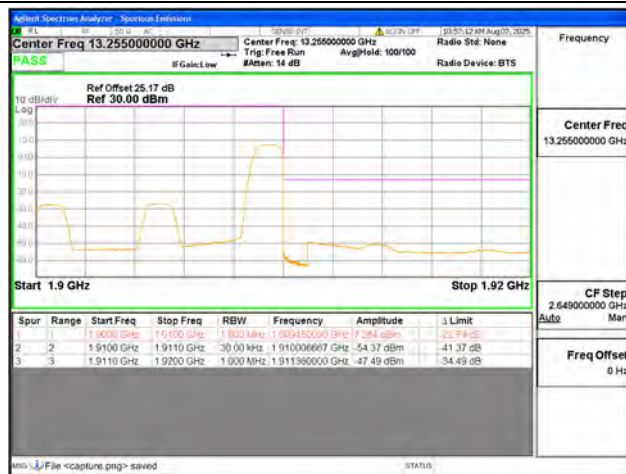
B2 / 5MHz / High CH / QPSK / FULL RB



B2 / 10MHz / Low CH / QPSK / 1 RB



B2 / 10MHz / Low CH / QPSK / FULL RB



B2 / 10MHz / High CH / QPSK / 1 RB



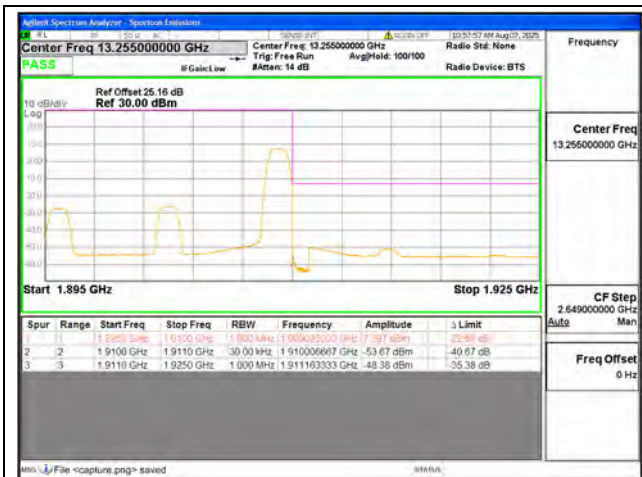
B2 / 10MHz / High CH / QPSK / FULL RB



B2 / 15MHz / Low CH / QPSK / 1 RB



B2 / 15MHz / Low CH / QPSK / FULL RB



B2 / 15MHz / High CH / QPSK / 1 RB



B2 / 15MHz / High CH / QPSK / FULL RB



B2 / 20MHz / Low CH / QPSK / 1 RB



B2 / 20MHz / Low CH / QPSK / FULL RB



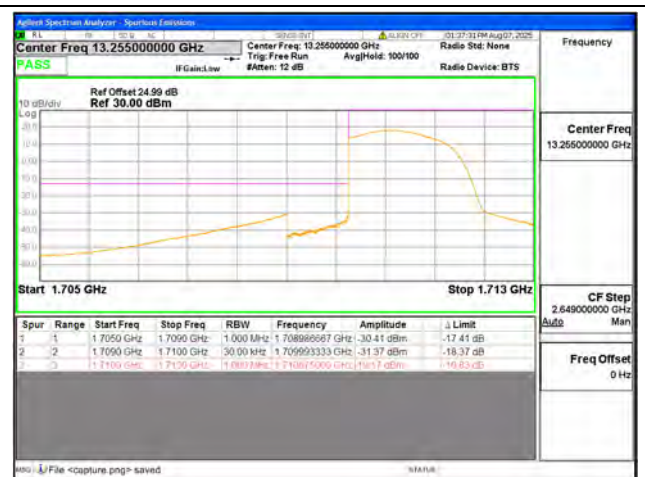
B2 / 20MHz / High CH / QPSK / 1 RB



B2 / 20MHz / High CH / QPSK / FULL RB



B4 / 1.4MHz / Low CH / QPSK / 1 RB



B4 / 1.4MHz / Low CH / QPSK / FULL RB



B4 / 1.4MHz / High CH / QPSK / 1 RB



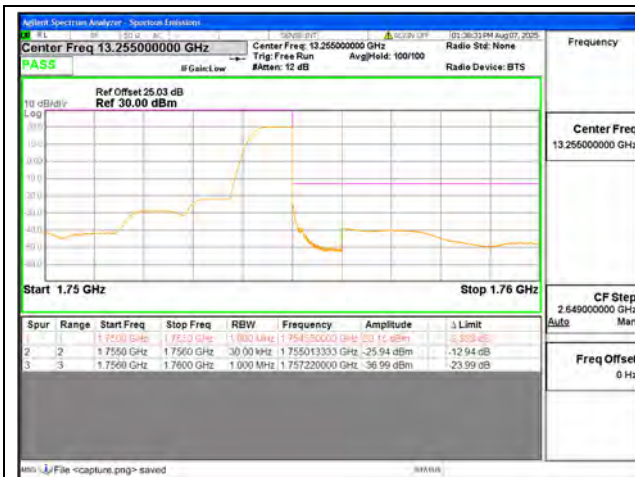
B4 / 1.4MHz / High CH / QPSK / FULL RB



B4 / 3MHz / Low CH / QPSK / 1 RB



B4 / 3MHz / Low CH / QPSK / FULL RB



B4 / 3MHz / High CH / QPSK / 1 RB



B4 / 3MHz / High CH / QPSK / FULL RB



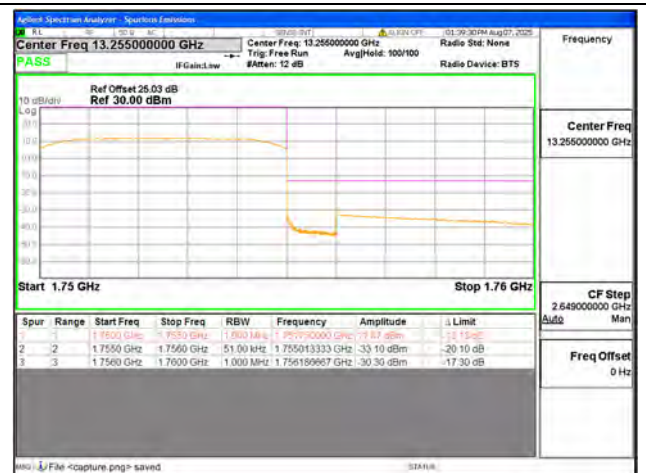
B4 / 5MHz / Low CH / QPSK / 1 RB



B4 / 5MHz / Low CH / QPSK / FULL RB



B4 / 5MHz / High CH / QPSK / 1 RB



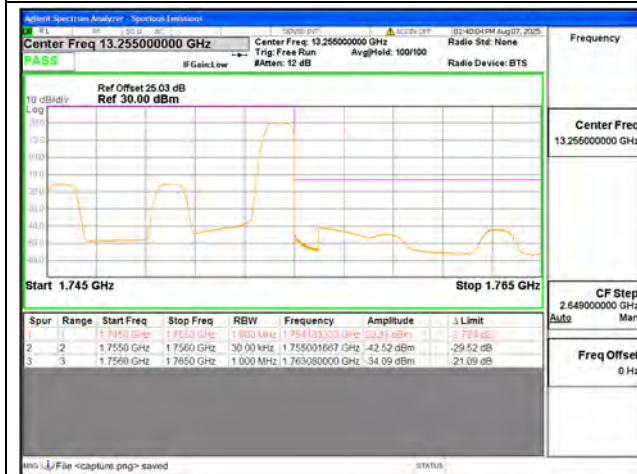
B4 / 5MHz / High CH / QPSK / FULL RB



B4 / 10MHz / Low CH / QPSK / 1 RB



B4 / 10MHz / Low CH / QPSK / FULL RB



B4 / 10MHz / High CH / QPSK / 1 RB



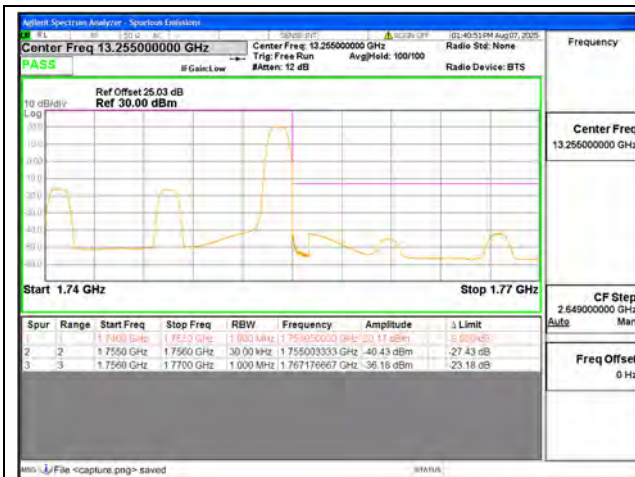
B4 / 10MHz / High CH / QPSK / FULL RB



B4 / 15MHz / Low CH / QPSK / 1 RB



B4 / 15MHz / Low CH / QPSK / FULL RB



B4 / 15MHz / High CH / QPSK / 1 RB



B4 / 15MHz / High CH / QPSK / FULL RB



B4 / 20MHz / Low CH / QPSK / 1 RB



B4 / 20MHz / Low CH / QPSK / FULL RB



B4 / 20MHz / High CH / QPSK / 1 RB



B4 / 20MHz / High CH / QPSK / FULL RB



B5 / 1.4MHz / Low CH / QPSK / 1 RB



B5 / 1.4MHz / Low CH / QPSK / FULL RB



B5 / 1.4MHz / High CH / QPSK / 1 RB



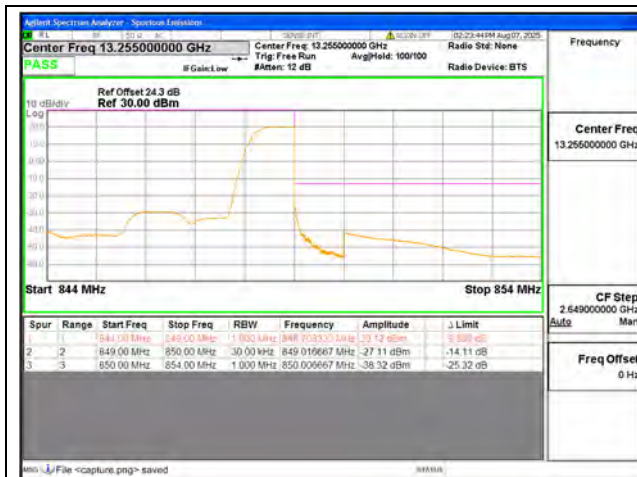
B5 / 1.4MHz / High CH / QPSK / FULL RB



B5 / 3MHz / Low CH / QPSK / 1 RB



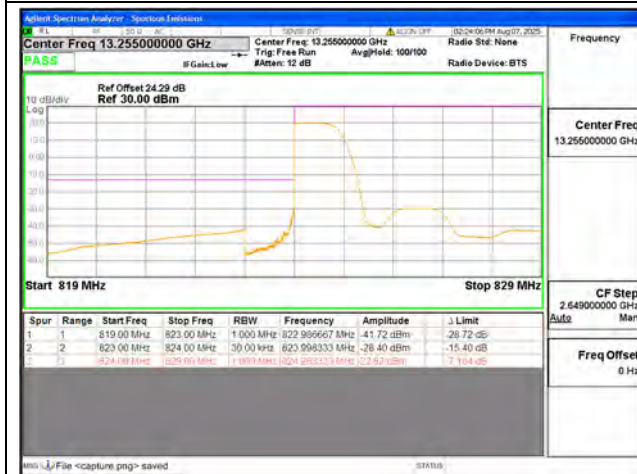
B5 / 3MHz / Low CH / QPSK / FULL RB



B5 / 3MHz / High CH / QPSK / 1 RB



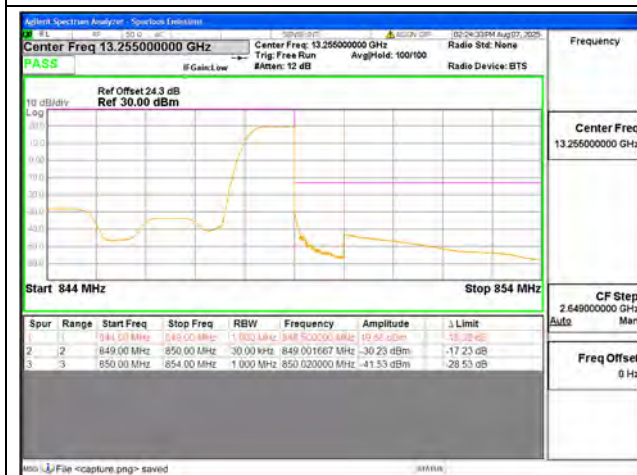
B5 / 3MHz / High CH / QPSK / FULL RB



B5 / 5MHz / Low CH / QPSK / 1 RB



B5 / 5MHz / Low CH / QPSK / FULL RB

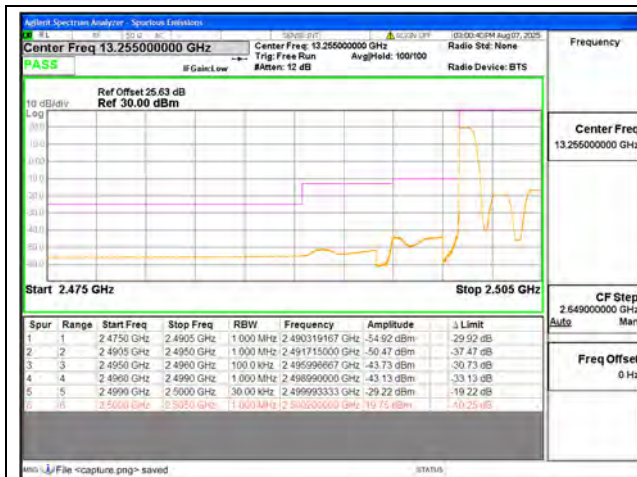


B5 / 5MHz / High CH / QPSK / 1 RB



B5 / 5MHz / High CH / QPSK / FULL RB





B7 / 5MHz / Low CH / QPSK / 1 RB



B7 / 5MHz / Low CH / QPSK / FULL RB



B7 / 5MHz / High CH / QPSK / 1 RB



B7 / 5MHz / High CH / QPSK / FULL RB



B7 / 10MHz / Low CH / QPSK / 1 RB



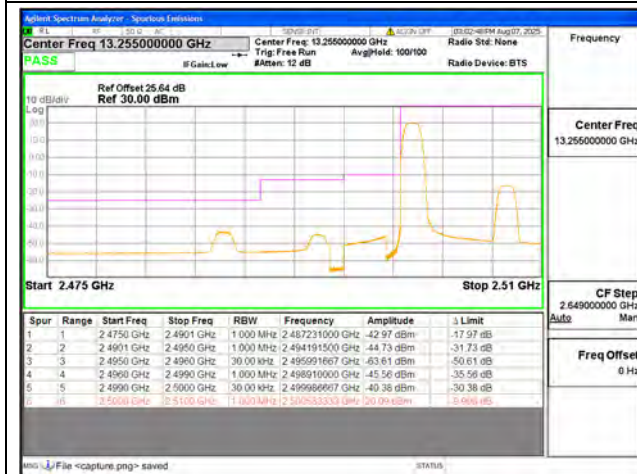
B7 / 10MHz / Low CH / QPSK / FULL RB



B7 / 10MHz / High CH / QPSK / 1 RB



B7 / 10MHz / High CH / QPSK / FULL RB



B7 / 15MHz / Low CH / QPSK / 1 RB



B7 / 15MHz / Low CH / QPSK / FULL RB



B7 / 15MHz / High CH / QPSK / 1 RB



B7 / 15MHz / High CH / QPSK / FULL RB



B7 / 20MHz / Low CH / QPSK / 1 RB



B7 / 20MHz / Low CH / QPSK / FULL RB



B7 / 20MHz / High CH / QPSK / 1 RB



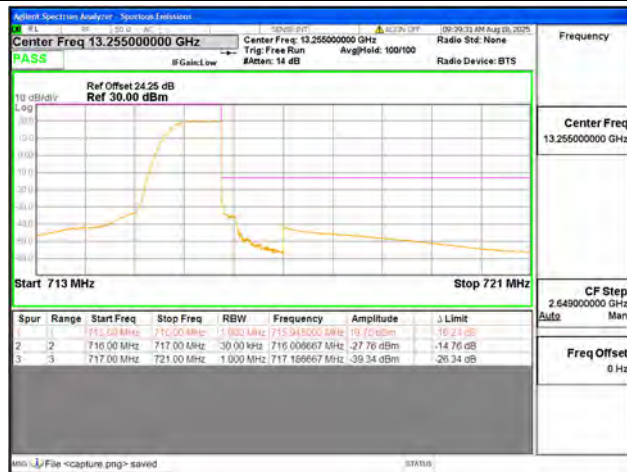
B7 / 20MHz / High CH / QPSK / FULL RB



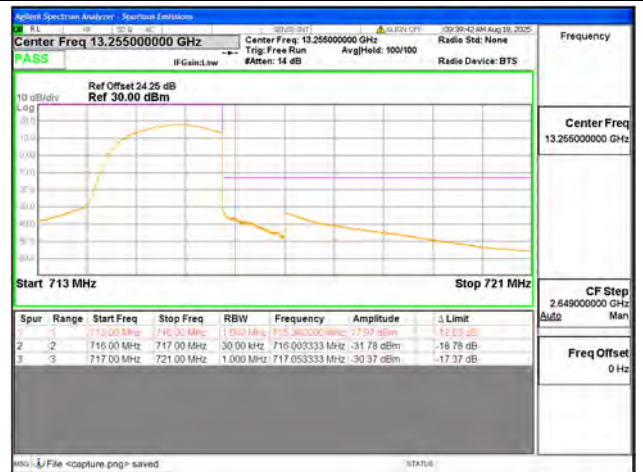
B12 / 1.4MHz / Low CH / QPSK / 1 RB



B12 / 1.4MHz / Low CH / QPSK / FULL RB



B12 / 1.4MHz / High CH / QPSK / 1 RB



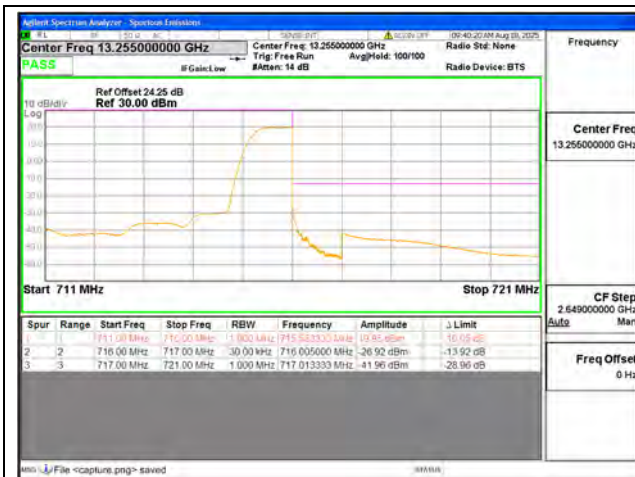
B12 / 1.4MHz / High CH / QPSK / FULL RB



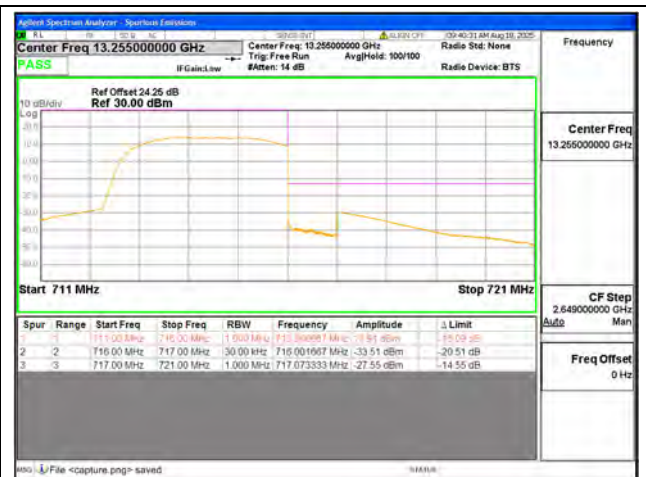
B12 / 3MHz / Low CH / QPSK / 1 RB



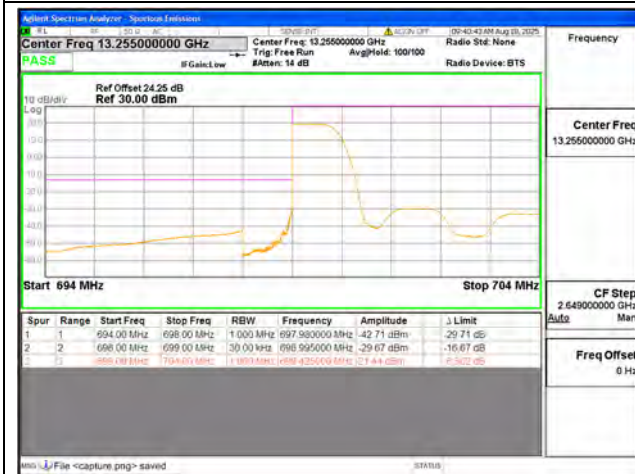
B12 / 3MHz / Low CH / QPSK / FULL RB



B12 / 3MHz / High CH / QPSK / 1 RB



B12 / 3MHz / High CH / QPSK / FULL RB



B12 / 5MHz / Low CH / QPSK / 1 RB



B12 / 5MHz / Low CH / QPSK / FULL RB



B12 / 5MHz / High CH / QPSK / 1 RB

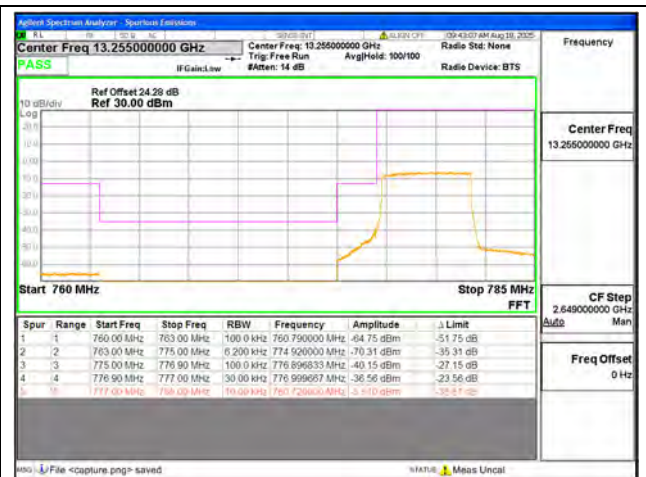


B12 / 5MHz / High CH / QPSK / FULL RB

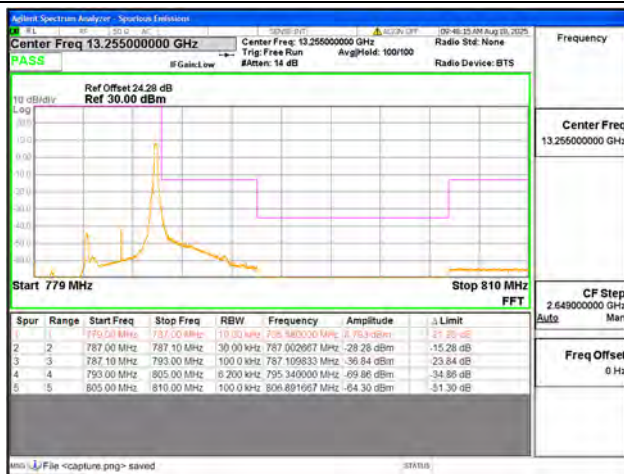




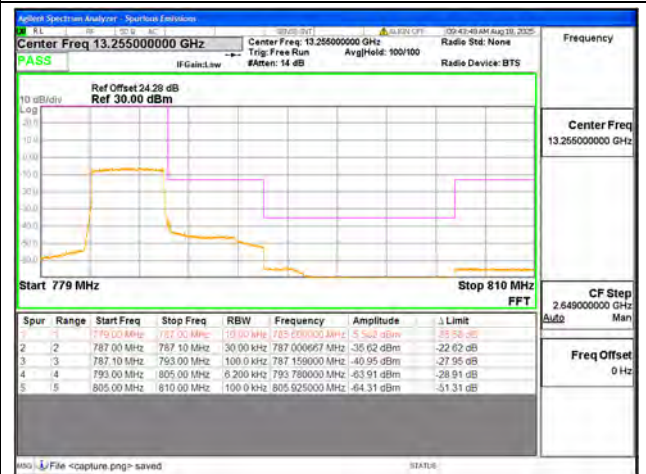
B13 / 5MHz / Low CH / QPSK / 1 RB



B13 / 5MHz / Low CH / QPSK / FULL RB



B13 / 5MHz / High CH / QPSK / 1 RB



B13 / 5MHz / High CH / QPSK / FULL RB



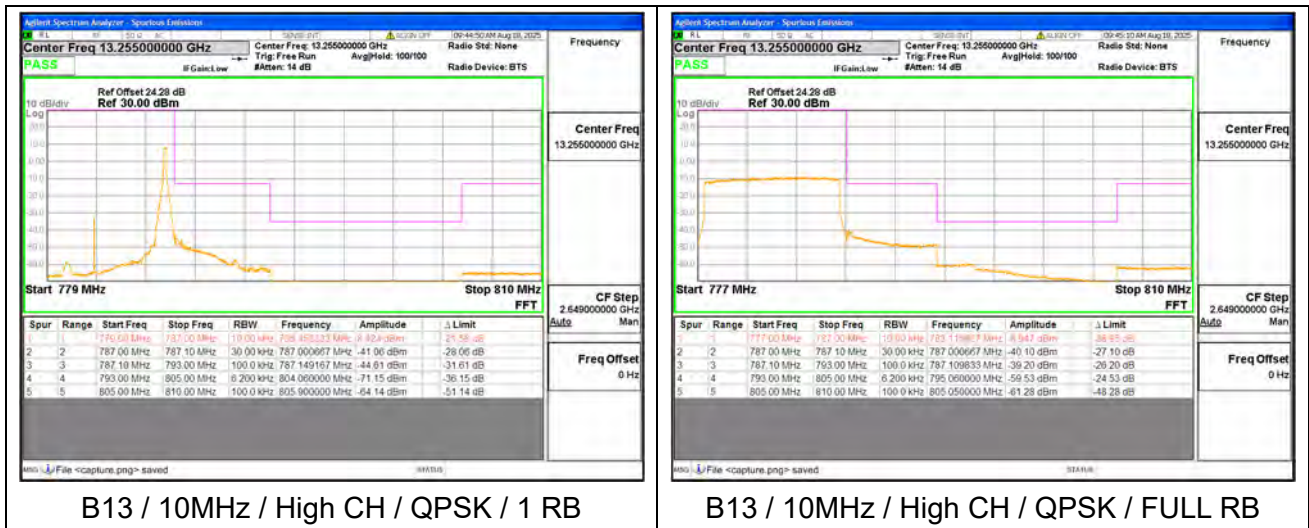
B13 / 10MHz / Low CH / QPSK / 1 RB



B13 / 10MHz / Low CH / QPSK / FULL RB



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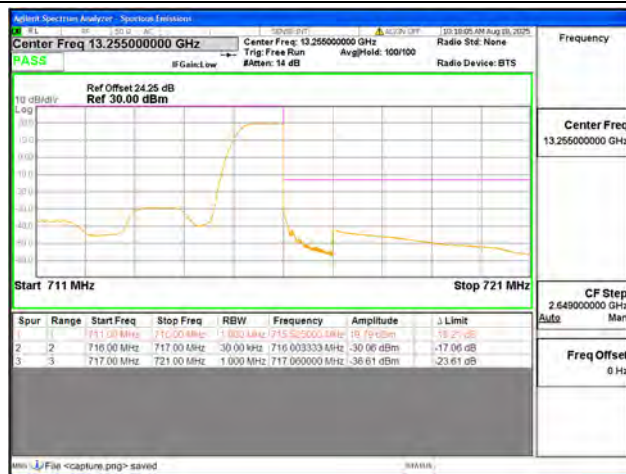




B17 / 5MHz / Low CH / QPSK / 1 RB



B17 / 5MHz / Low CH / QPSK / FULL RB



B17 / 5MHz / High CH / QPSK / 1 RB



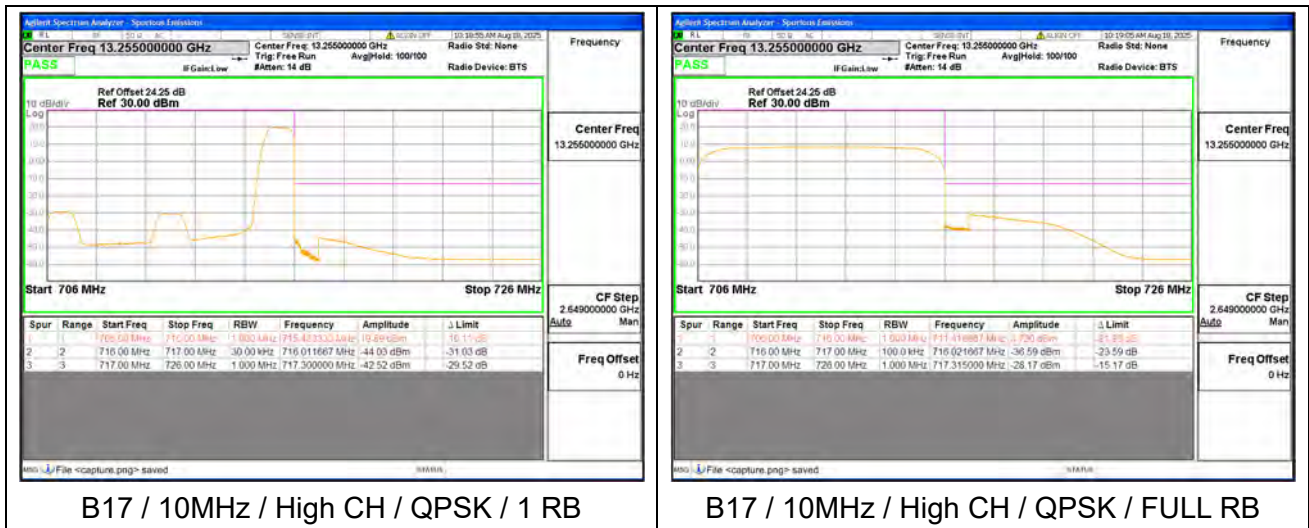
B17 / 5MHz / High CH / QPSK / FULL RB



B17 / 10MHz / Low CH / QPSK / 1 RB



B17 / 10MHz / Low CH / QPSK / FULL RB

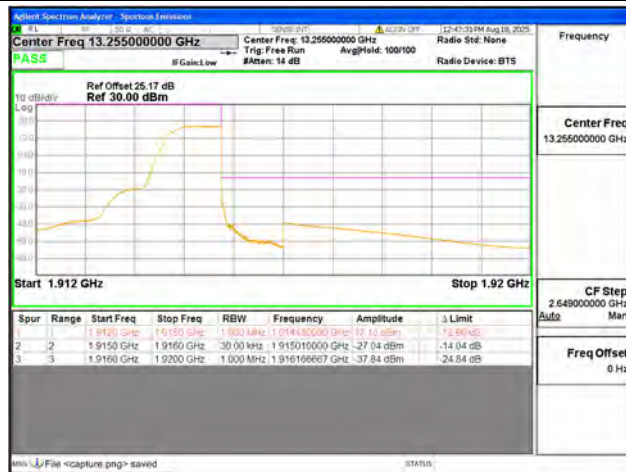




B25 / 1.4MHz / Low CH / QPSK / 1 RB



B25 / 1.4MHz / Low CH / QPSK / FULL RB



B25 / 1.4MHz / High CH / QPSK / 1 RB



B25 / 1.4MHz / High CH / QPSK / FULL RB



B25 / 3MHz / Low CH / QPSK / 1 RB



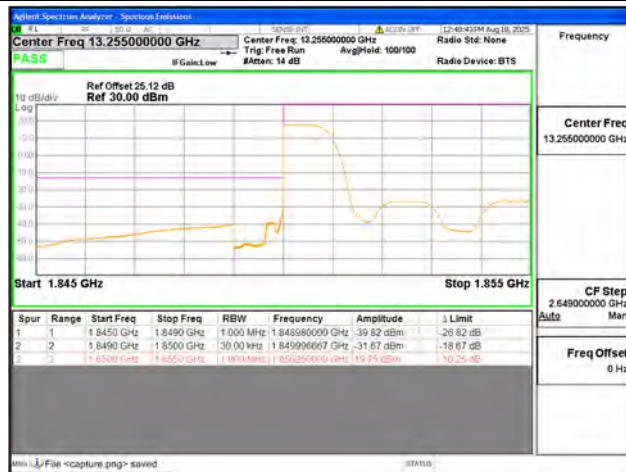
B25 / 3MHz / Low CH / QPSK / FULL RB



B25 / 3MHz / High CH / QPSK / 1 RB



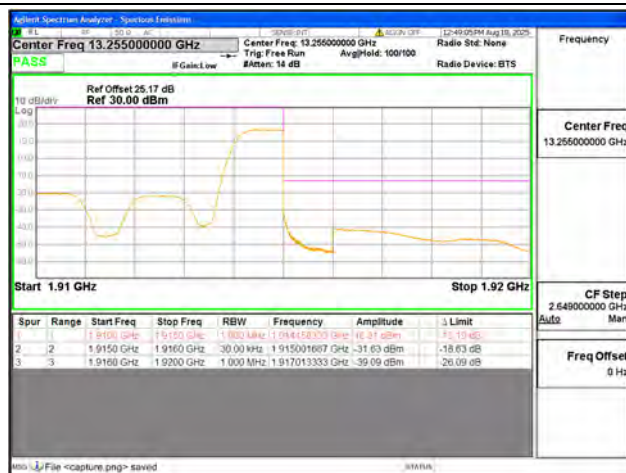
B25 / 3MHz / High CH / QPSK / FULL RB



B25 / 5MHz / Low CH / QPSK / 1 RB



B25 / 5MHz / Low CH / QPSK / FULL RB



B25 / 5MHz / High CH / QPSK / 1 RB



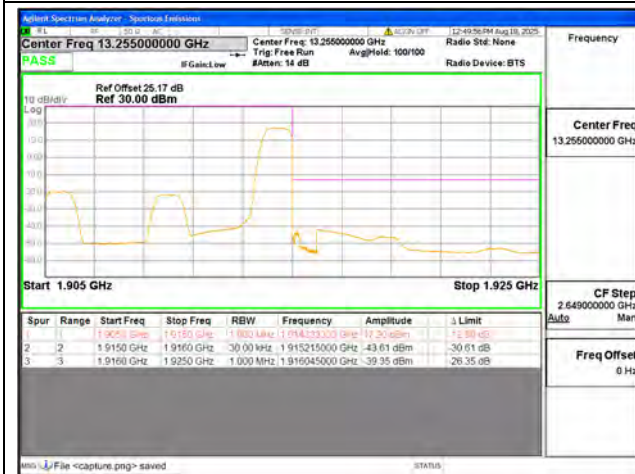
B25 / 5MHz / High CH / QPSK / FULL RB



B25 / 10MHz / Low CH / QPSK / 1 RB



B25 / 10MHz / Low CH / QPSK / FULL RB



B25 / 10MHz / High CH / QPSK / 1 RB



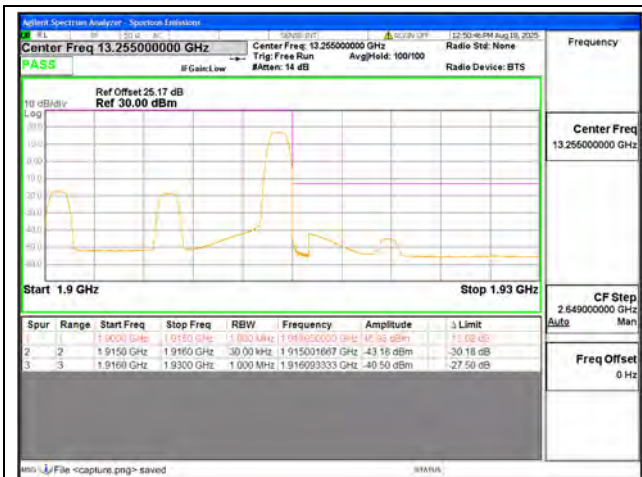
B25 / 10MHz / High CH / QPSK / FULL RB



B25 / 15MHz / Low CH / QPSK / 1 RB



B25 / 15MHz / Low CH / QPSK / FULL RB



B25 / 15MHz / High CH / QPSK / 1 RB



B25 / 15MHz / High CH / QPSK / FULL RB



B25 / 20MHz / Low CH / QPSK / 1 RB



B25 / 20MHz / Low CH / QPSK / FULL RB



B25 / 20MHz / High CH / QPSK / 1 RB



B25 / 20MHz / High CH / QPSK / FULL RB



B26 Part22 / 1.4MHz / Low CH / QPSK / 1 RB



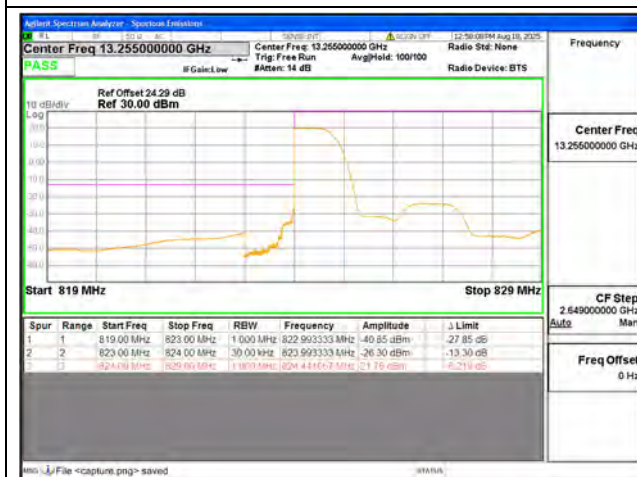
B26 Part22 / 1.4MHz / Low CH / QPSK / FULL RB



B26 Part22 / 1.4MHz / High CH / QPSK / 1 RB



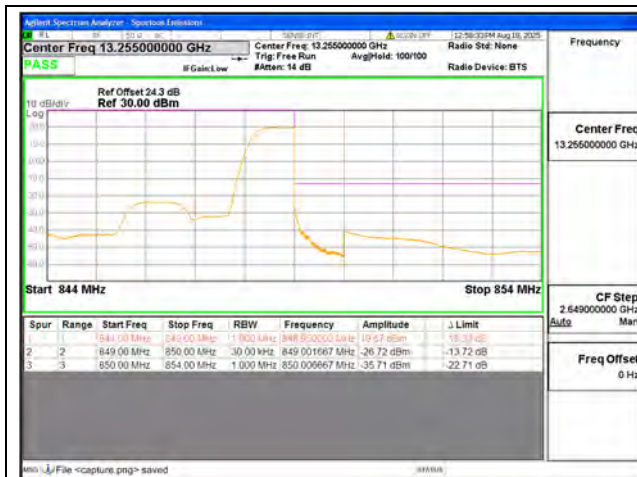
B26 Part22 / 1.4MHz / High CH / QPSK / FULL RB



B26 Part22 / 3MHz / Low CH / QPSK / 1 RB



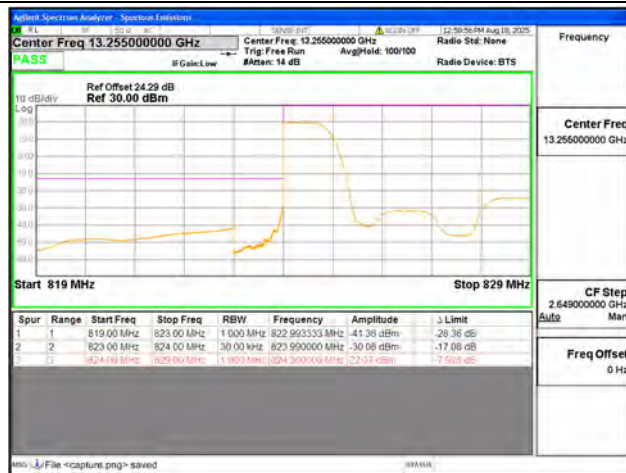
B26 Part22 / 3MHz / Low CH / QPSK / FULL RB



B26 Part22 / 3MHz / High CH / QPSK / 1 RB



B26 Part22 / 3MHz / High CH / QPSK / FULL RB



B26 Part22 / 5MHz / Low CH / QPSK / 1 RB



B26 Part22 / 5MHz / Low CH / QPSK / FULL RB



B26 Part22 / 5MHz / High CH / QPSK / 1 RB



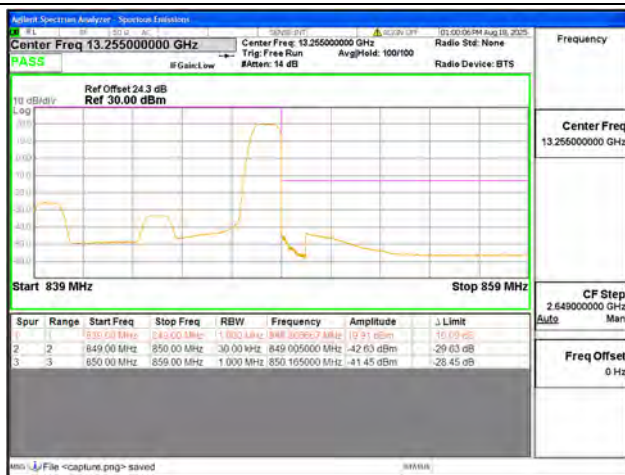
B26 Part22 / 5MHz / High CH / QPSK / FULL RB



B26 Part22 / 10MHz / Low CH / QPSK / 1 RB



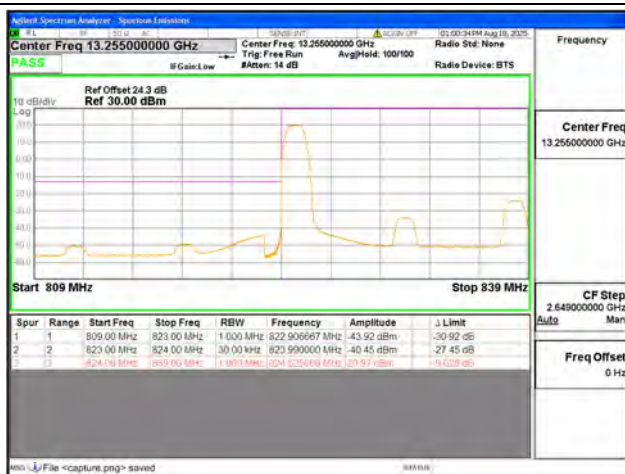
B26 Part22 / 10MHz / Low CH / QPSK / FULL RB



B26 Part22 / 10MHz / High CH / QPSK / 1 RB



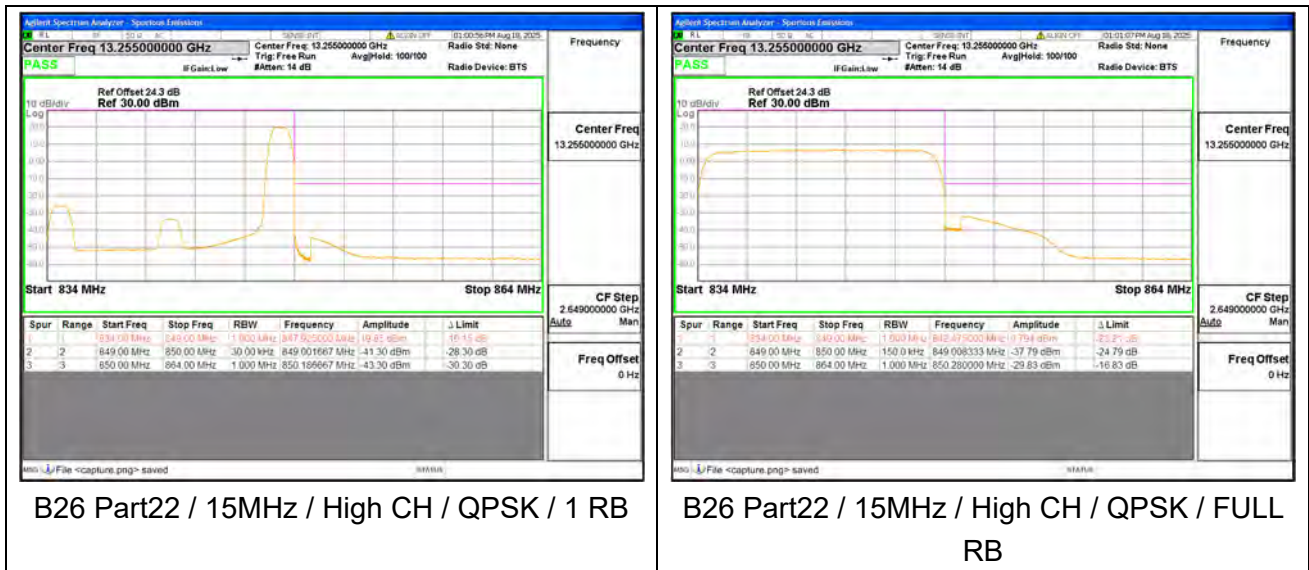
B26 Part22 / 10MHz / High CH / QPSK / FULL RB

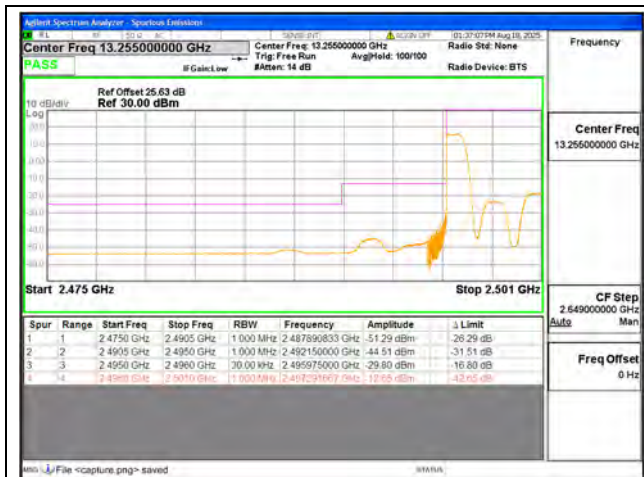


B26 Part22 / 15MHz / Low CH / QPSK / 1 RB



B26 Part22 / 15MHz / Low CH / QPSK / FULL RB

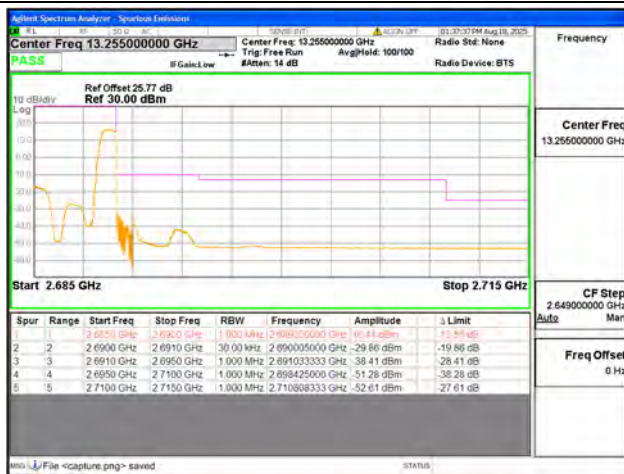




B41 / 5MHz / Low CH / QPSK / 1 RB



B41 / 5MHz / Low CH / QPSK / FULL RB



B41 / 5MHz / High CH / QPSK / 1 RB



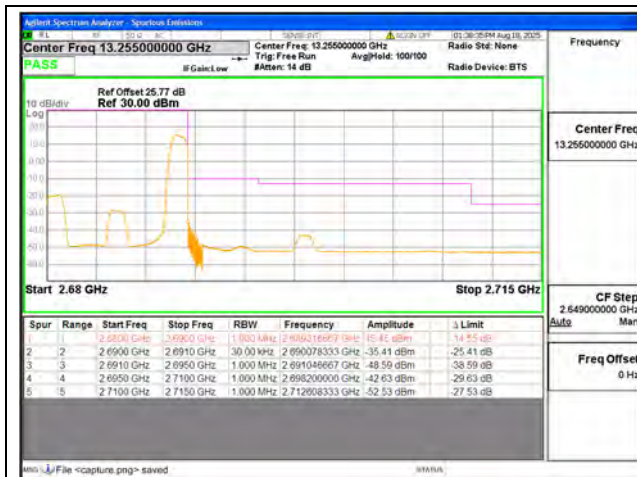
B41 / 5MHz / High CH / QPSK / FULL RB



B41 / 10MHz / Low CH / QPSK / 1 RB



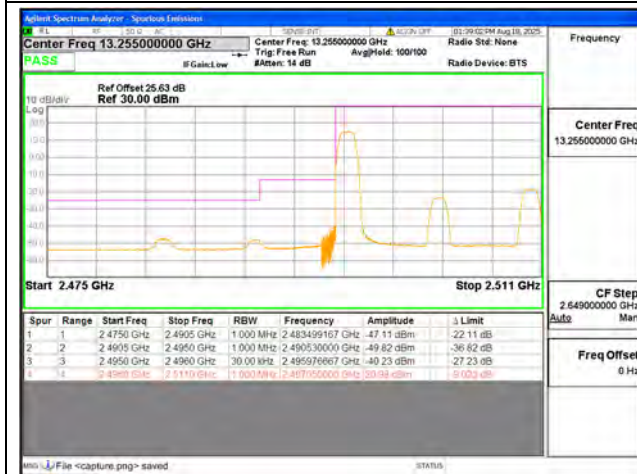
B41 / 10MHz / Low CH / QPSK / FULL RB



B41 / 10MHz / High CH / QPSK / 1 RB



B41 / 10MHz / High CH / QPSK / FULL RB



B41 / 15MHz / Low CH / QPSK / 1 RB



B41 / 15MHz / Low CH / QPSK / FULL RB



B41 / 15MHz / High CH / QPSK / 1 RB



B41 / 15MHz / High CH / QPSK / FULL RB



B41 / 20MHz / Low CH / QPSK / 1 RB



B41 / 20MHz / Low CH / QPSK / FULL RB



B41 / 20MHz / High CH / QPSK / 1 RB



B41 / 20MHz / High CH / QPSK / FULL RB



B66 / 1.4MHz / Low CH / QPSK / 1 RB



B66 / 1.4MHz / Low CH / QPSK / FULL RB



B66 / 1.4MHz / High CH / QPSK / 1 RB



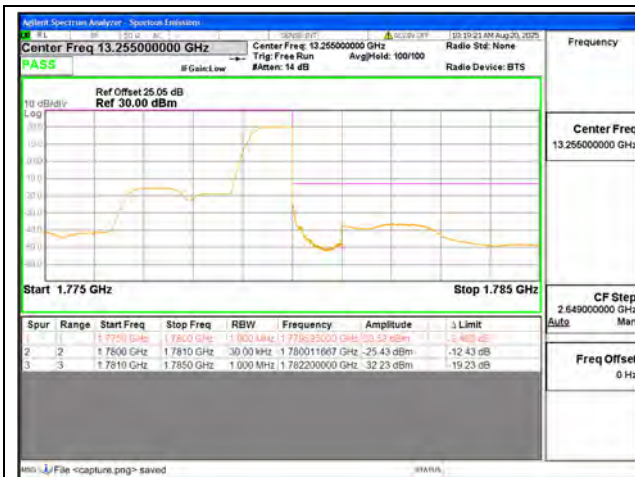
B66 / 1.4MHz / High CH / QPSK / FULL RB



B66 / 3MHz / Low CH / QPSK / 1 RB



B66 / 3MHz / Low CH / QPSK / FULL RB



B66 / 3MHz / High CH / QPSK / 1 RB



B66 / 3MHz / High CH / QPSK / FULL RB



B66 / 5MHz / Low CH / QPSK / 1 RB



B66 / 5MHz / Low CH / QPSK / FULL RB



B66 / 5MHz / High CH / QPSK / 1 RB



B66 / 5MHz / High CH / QPSK / FULL RB



B66 / 10MHz / Low CH / QPSK / 1 RB



B66 / 10MHz / Low CH / QPSK / FULL RB



B66 / 10MHz / High CH / QPSK / 1 RB



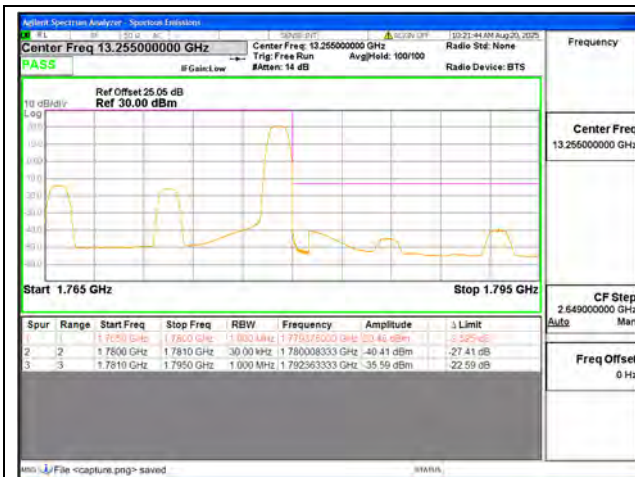
B66 / 10MHz / High CH / QPSK / FULL RB



B66 / 15MHz / Low CH / QPSK / 1 RB



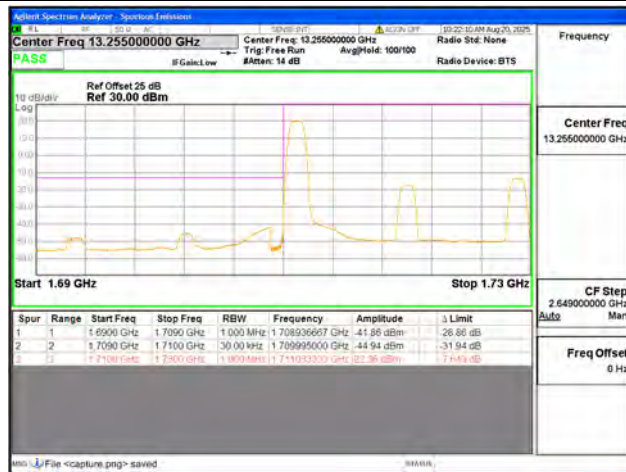
B66 / 15MHz / Low CH / QPSK / FULL RB



B66 / 15MHz / High CH / QPSK / 1 RB



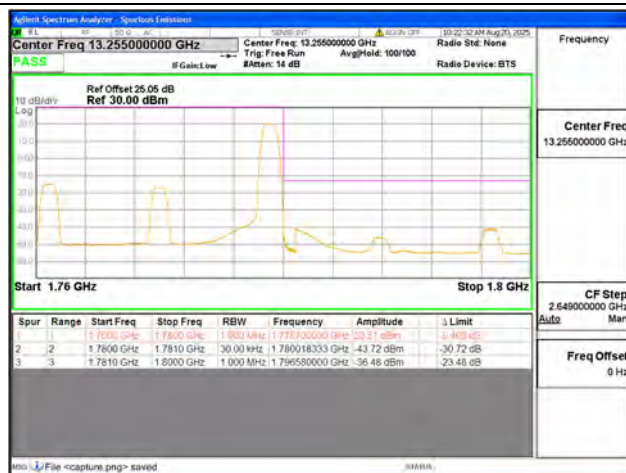
B66 / 15MHz / High CH / QPSK / FULL RB



B66 / 20MHz / Low CH / QPSK / 1 RB



B66 / 20MHz / Low CH / QPSK / FULL RB



B66 / 20MHz / High CH / QPSK / 1 RB



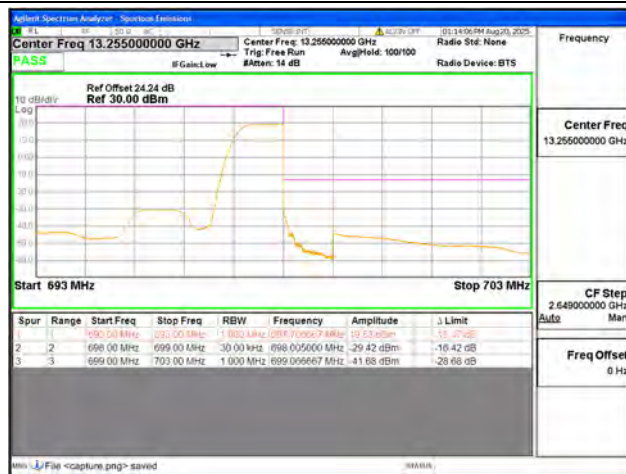
B66 / 20MHz / High CH / QPSK / FULL RB



B71 / 5MHz / Low CH / QPSK / 1 RB



B71 / 5MHz / Low CH / QPSK / FULL RB



B71 / 5MHz / High CH / QPSK / 1 RB



B71 / 5MHz / High CH / QPSK / FULL RB



B71 / 10MHz / Low CH / QPSK / 1 RB



B71 / 10MHz / Low CH / QPSK / FULL RB



B71 / 10MHz / High CH / QPSK / 1 RB



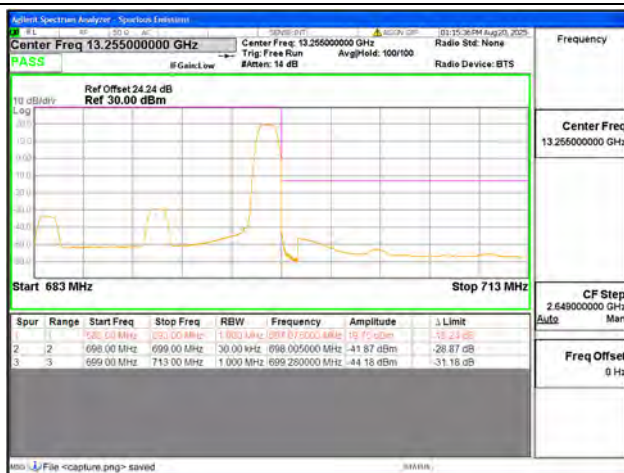
B71 / 10MHz / High CH / QPSK / FULL RB



B71 / 15MHz / Low CH / QPSK / 1 RB



B71 / 15MHz / Low CH / QPSK / FULL RB



B71 / 15MHz / High CH / QPSK / 1 RB



B71 / 15MHz / High CH / QPSK / FULL RB



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 $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

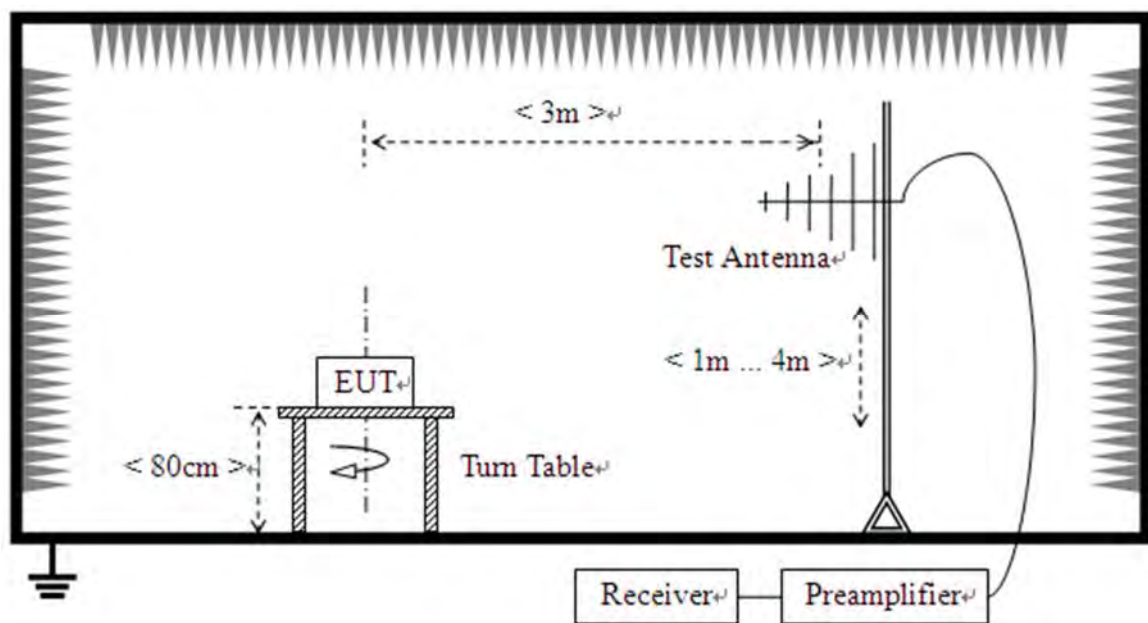
Additional requirement for LTE Band 7, 41

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 $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

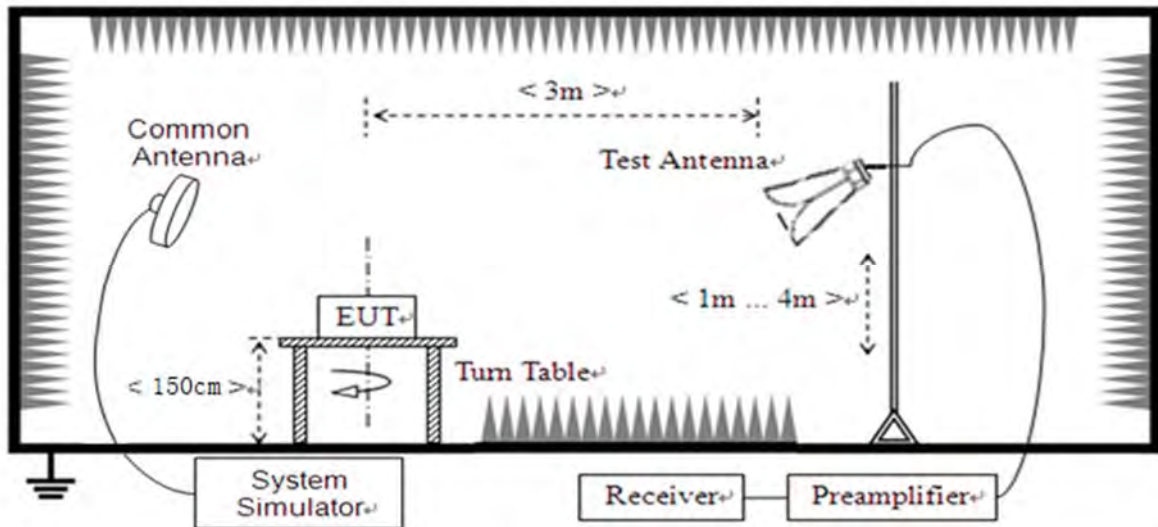
Additional requirement for Band 13

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

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

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

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

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

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

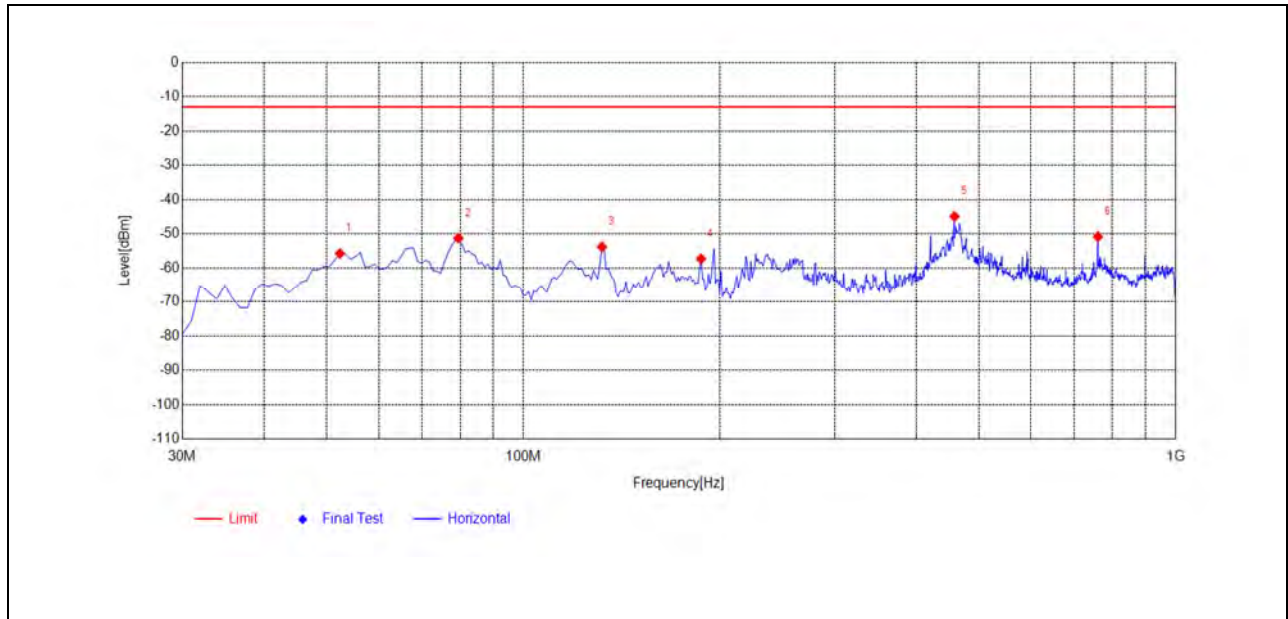
During the test, the data of A_{TOT} was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of A_{TOT} .

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.

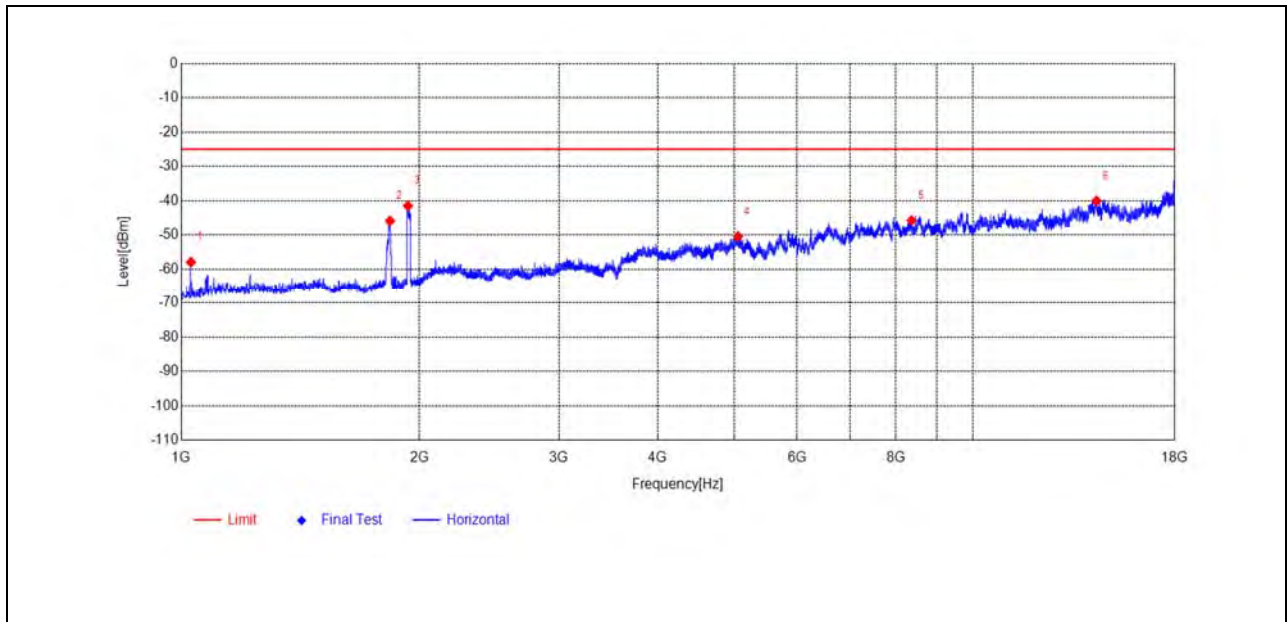
Note3: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band, only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.

Note4: 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**

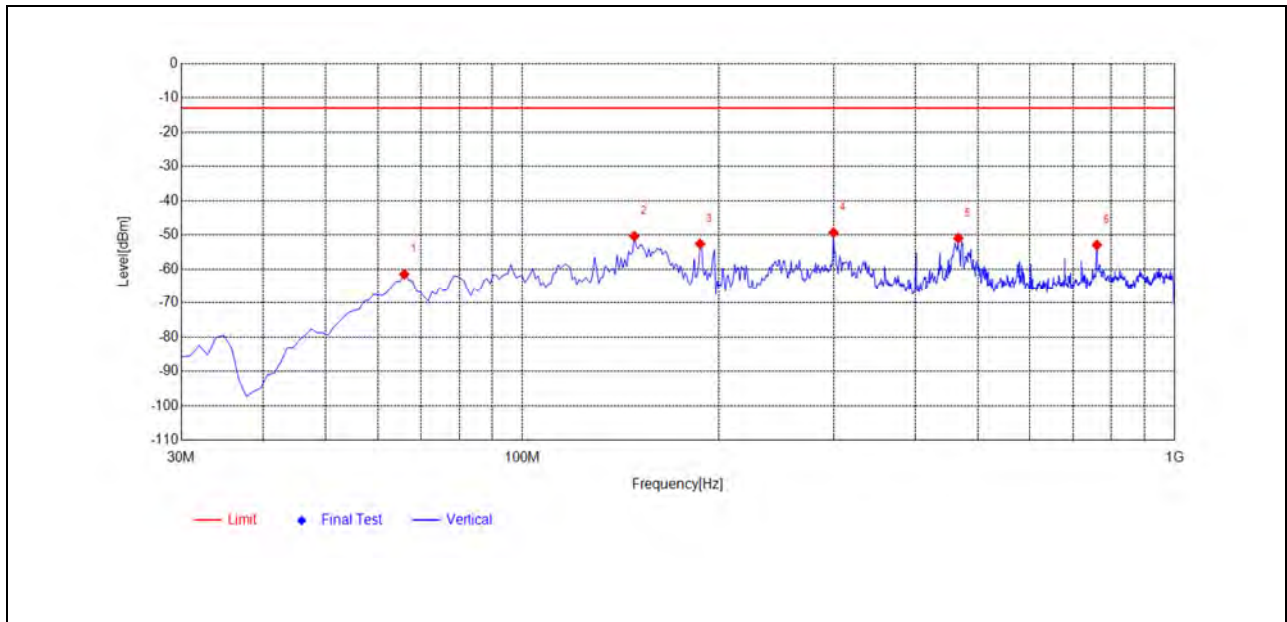
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
52.3323	-24.62	-55.71	-13.00	42.71	-31.09	Horizontal	PASS
79.5195	-28.04	-51.23	-13.00	38.23	-23.19	Horizontal	PASS
131.9520	-34.90	-53.77	-13.00	40.77	-18.87	Horizontal	PASS
187.2973	-47.28	-57.27	-13.00	44.27	-9.99	Horizontal	PASS
458.1982	-43.93	-44.90	-13.00	31.90	-0.97	Horizontal	PASS
760.1702	-58.46	-50.79	-13.00	37.79	7.67	Horizontal	PASS



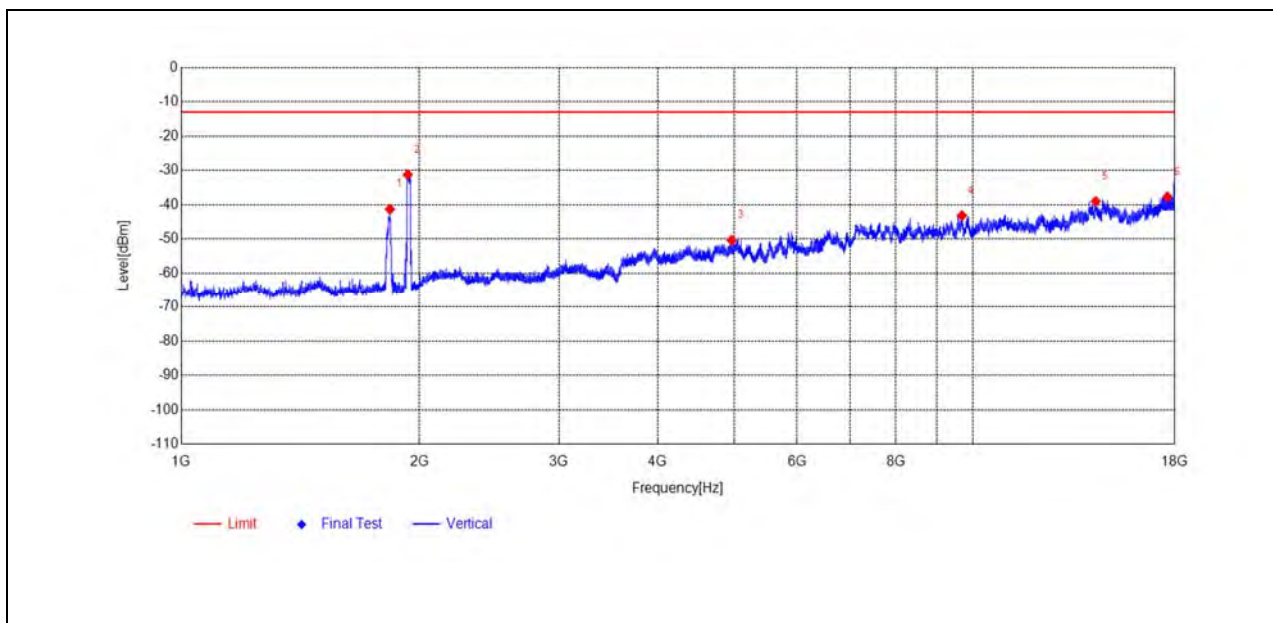
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1028.5029	-41.61	-57.91	-25.00	32.91	-16.30	Horizontal	PASS
1835.5836	-33.56	-45.89	-25.00	20.89	-12.33	Horizontal	NA
1934.0934	-29.42	-41.49	-25.00	16.49	-12.07	Horizontal	NA
5052.4052	-51.64	-50.41	-25.00	25.41	1.23	Horizontal	PASS
8371.4371	-54.70	-45.75	-25.00	20.75	8.95	Horizontal	PASS
14342.0342	-59.42	-40.05	-25.00	15.05	19.37	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
65.9259	-29.91	-61.46	-13.00	48.46	-31.55	Vertical	PASS
148.4585	-39.70	-50.34	-13.00	37.34	-10.64	Vertical	PASS
187.2973	-42.31	-52.56	-13.00	39.56	-10.25	Vertical	PASS
299.9299	-43.48	-49.29	-13.00	36.29	-5.81	Vertical	PASS
465.9660	-50.29	-50.96	-13.00	37.96	-0.67	Vertical	PASS
760.1702	-60.29	-52.91	-13.00	39.91	7.38	Vertical	PASS

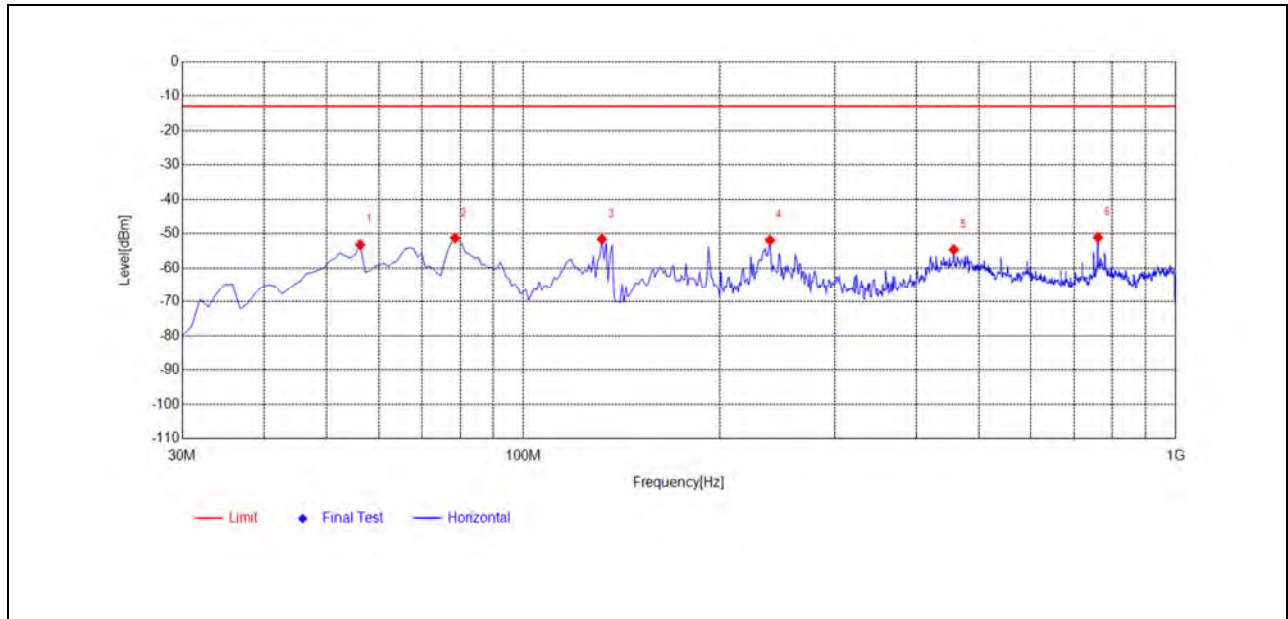


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1835.0835	-28.84	-41.30	-13.00	28.30	-12.46	Vertical	NA
1932.5933	-19.09	-31.22	-13.00	18.22	-12.13	Vertical	NA
4959.8960	-50.42	-50.37	-13.00	37.37	0.05	Vertical	PASS
9693.9694	-57.18	-43.17	-13.00	30.17	14.01	Vertical	PASS
14307.2307	-59.03	-39.02	-13.00	26.02	20.01	Vertical	PASS
17623.1623	-62.52	-37.73	-13.00	24.73	24.79	Vertical	PASS

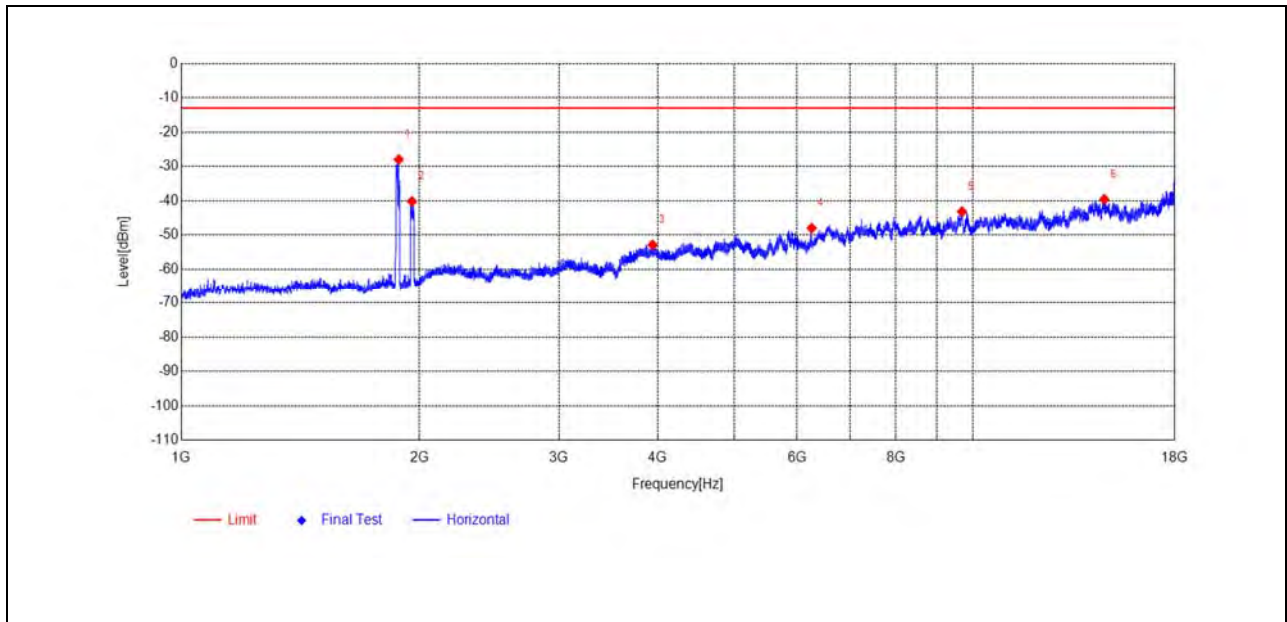


Plot for Mid Channel



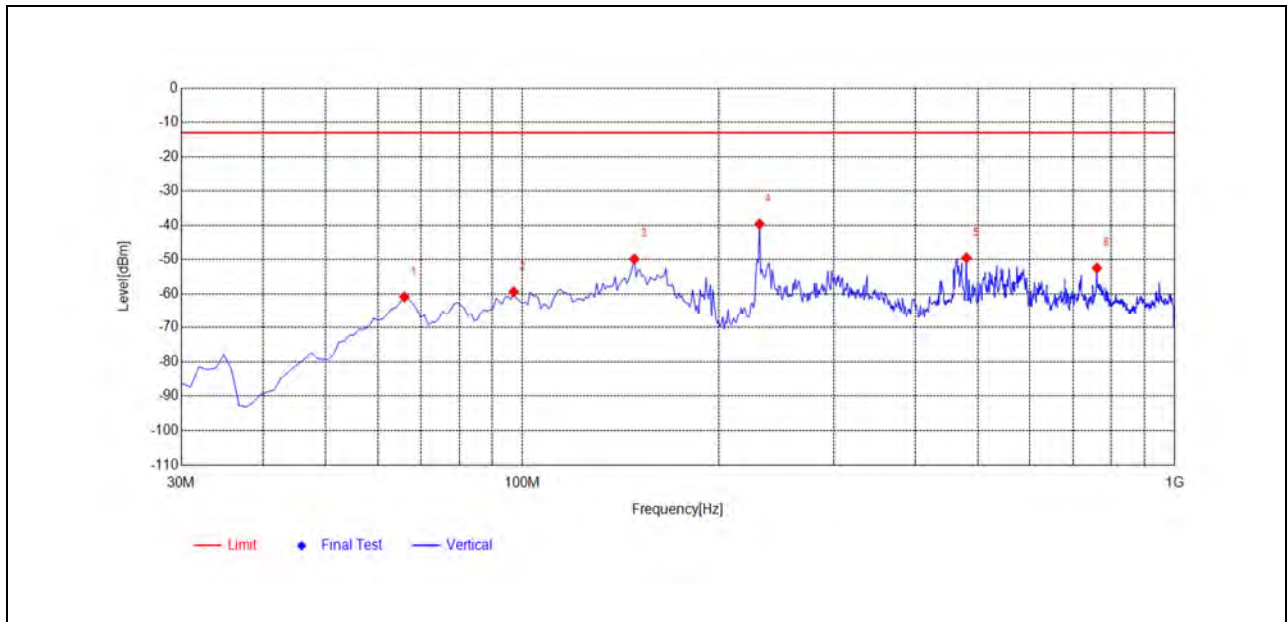
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
56.2162	-28.33	-53.19	-13.00	40.19	-24.86	Horizontal	PASS
78.5485	-27.74	-51.23	-13.00	38.23	-23.49	Horizontal	PASS
131.9520	-32.70	-51.57	-13.00	38.57	-18.87	Horizontal	PASS
238.7588	-48.68	-51.88	-13.00	38.88	-3.20	Horizontal	PASS
457.2272	-53.70	-54.61	-13.00	41.61	-0.91	Horizontal	PASS
760.1702	-58.73	-51.06	-13.00	38.06	7.67	Horizontal	PASS



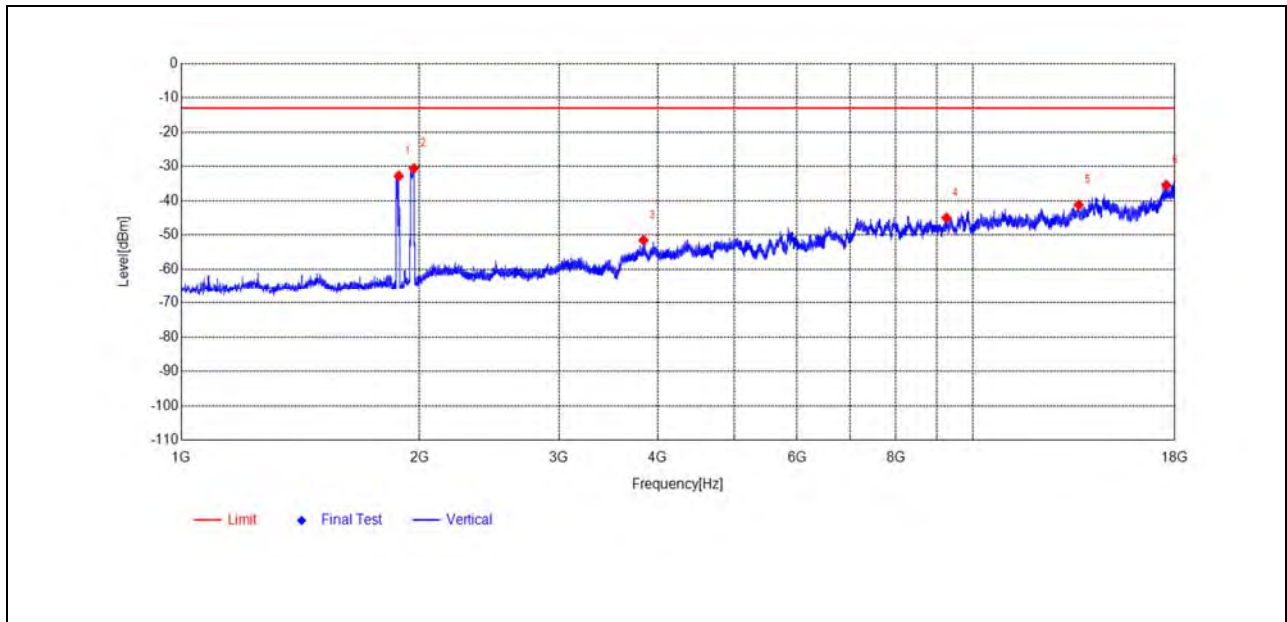
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1883.0883	-16.03	-27.99	-13.00	14.99	-11.96	Horizontal	NA
1956.5957	-28.03	-40.20	-13.00	27.20	-12.17	Horizontal	NA
3940.2940	-49.58	-52.86	-13.00	39.86	-3.28	Horizontal	PASS
6261.6262	-51.23	-47.98	-13.00	34.98	3.25	Horizontal	PASS
9696.3696	-57.93	-43.19	-13.00	30.19	14.74	Horizontal	PASS
14668.4668	-59.60	-39.60	-13.00	26.60	20.00	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

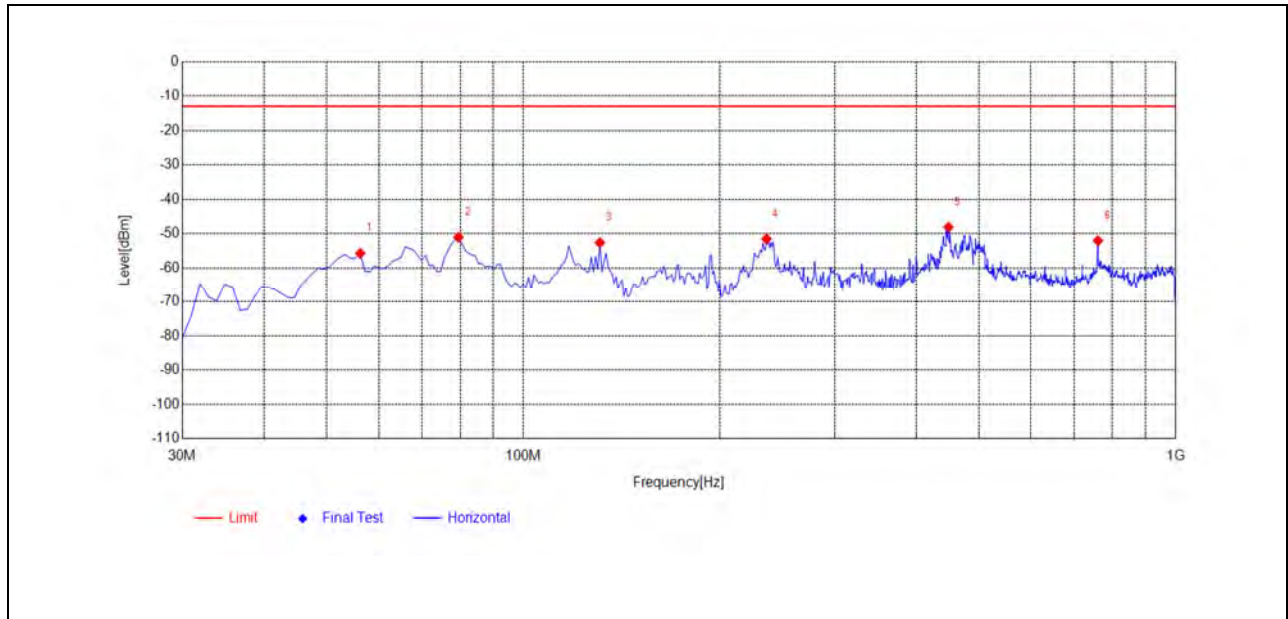
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
65.9259	-29.32	-60.87	-13.00	47.87	-31.55	Vertical	PASS
96.9970	-46.42	-59.39	-13.00	46.39	-12.97	Vertical	PASS
148.4585	-39.18	-49.82	-13.00	36.82	-10.64	Vertical	PASS
230.9910	-29.06	-39.60	-13.00	26.60	-10.54	Vertical	PASS
479.5596	-49.61	-49.48	-13.00	36.48	0.13	Vertical	PASS
760.1702	-59.82	-52.44	-13.00	39.44	7.38	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

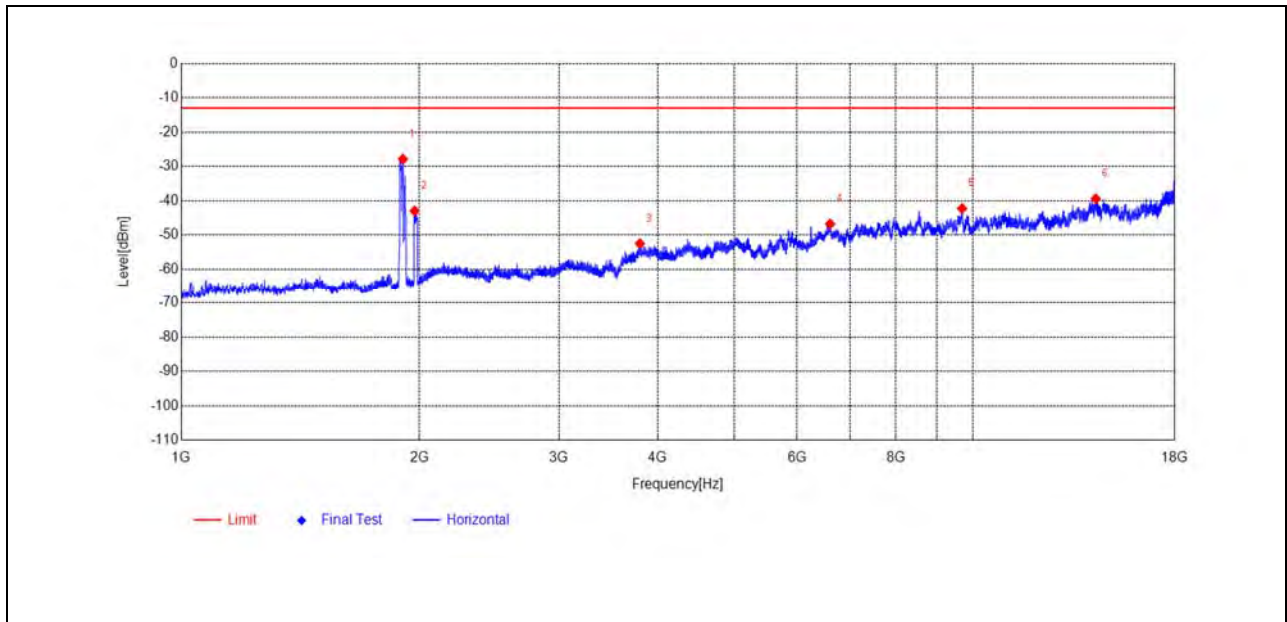
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1883.0883	-20.80	-32.77	-13.00	19.77	-11.97	Vertical	NA
1967.5968	-18.37	-30.56	-13.00	17.56	-12.19	Vertical	NA
3837.7838	-47.71	-51.52	-13.00	38.52	-3.81	Vertical	PASS
9267.9268	-56.85	-45.00	-13.00	32.00	11.85	Vertical	PASS
13613.5614	-59.11	-41.22	-13.00	28.22	17.89	Vertical	PASS
17567.9568	-59.60	-35.45	-13.00	22.45	24.15	Vertical	PASS

Plot for High Channel



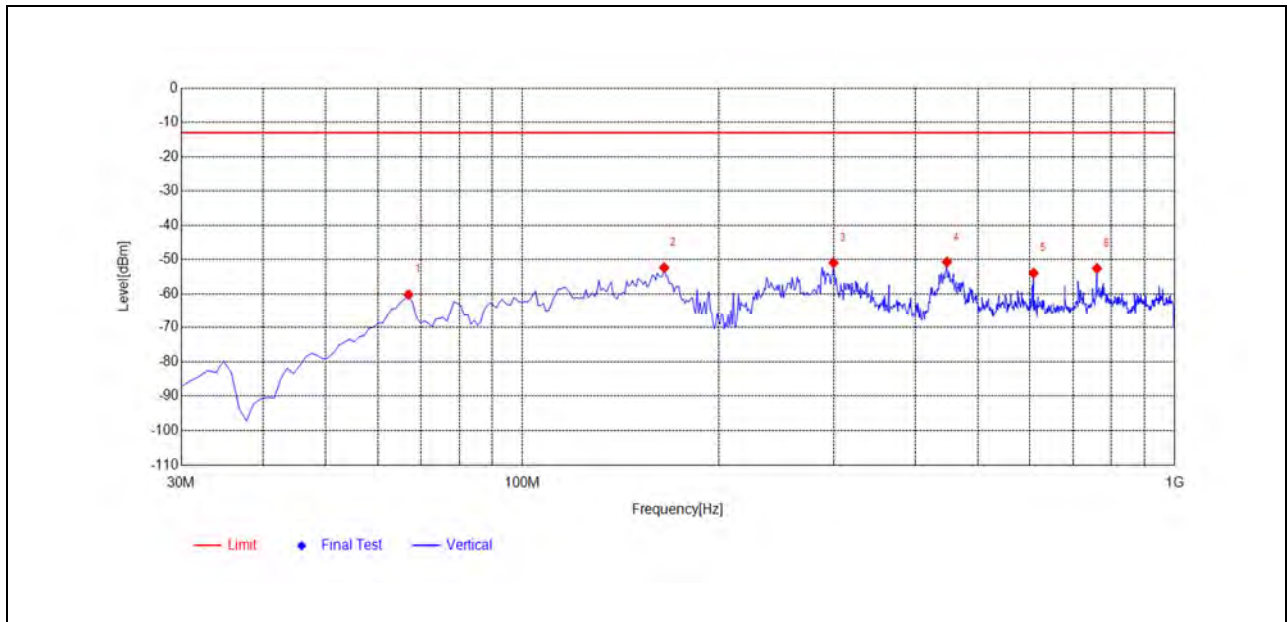
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
56.2162	-30.81	-55.67	-13.00	42.67	-24.86	Horizontal	PASS
79.5195	-27.83	-51.02	-13.00	38.02	-23.19	Horizontal	PASS
130.9810	-32.49	-52.60	-13.00	39.60	-20.11	Horizontal	PASS
235.8458	-48.07	-51.47	-13.00	38.47	-3.40	Horizontal	PASS
448.4885	-46.12	-48.08	-13.00	35.08	-1.96	Horizontal	PASS
760.1702	-59.66	-51.99	-13.00	38.99	7.67	Horizontal	PASS



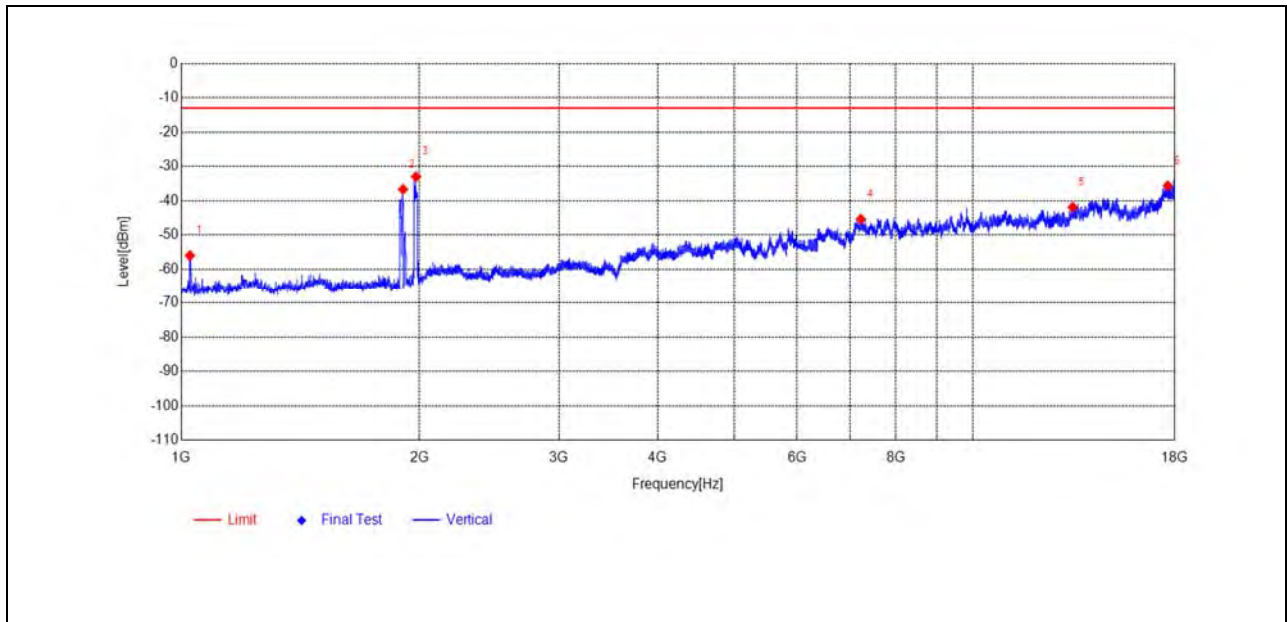
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1905.5906	-16.02	-27.88	-13.00	14.88	-11.86	Horizontal	NA
1971.5972	-30.83	-42.96	-13.00	29.96	-12.13	Horizontal	NA
3797.7798	-48.47	-52.51	-13.00	39.51	-4.04	Horizontal	PASS
6606.0606	-53.87	-46.75	-13.00	33.75	7.12	Horizontal	PASS
9697.5698	-57.11	-42.30	-13.00	29.30	14.81	Horizontal	PASS
14309.6310	-58.90	-39.42	-13.00	26.42	19.48	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
66.8969	-28.23	-60.23	-13.00	47.23	-32.00	Vertical	PASS
164.9650	-41.50	-52.33	-13.00	39.33	-10.83	Vertical	PASS
299.9299	-45.15	-50.96	-13.00	37.96	-5.81	Vertical	PASS
447.5175	-48.37	-50.68	-13.00	37.68	-2.31	Vertical	PASS
607.7277	-55.13	-53.93	-13.00	40.93	1.20	Vertical	PASS
760.1702	-59.96	-52.58	-13.00	39.58	7.38	Vertical	PASS

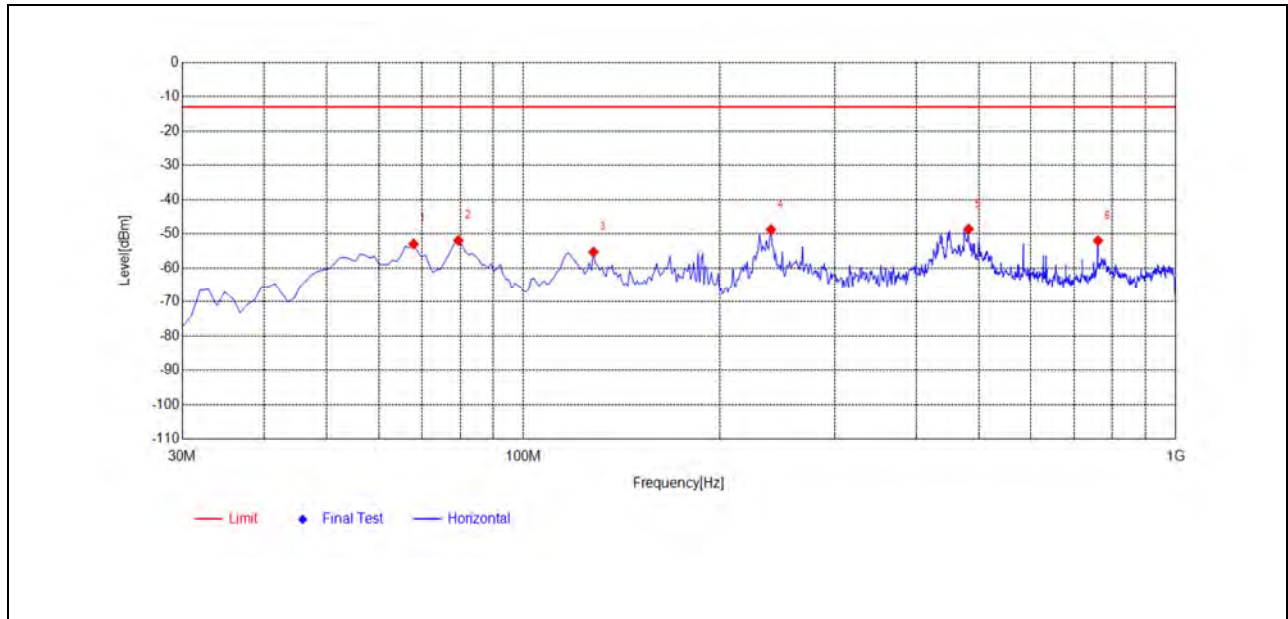


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1025.5026	-40.64	-55.99	-13.00	42.99	-15.35	Vertical	PASS
1906.5907	-24.83	-36.68	-13.00	23.68	-11.85	Vertical	NA
1980.0980	-20.88	-32.99	-13.00	19.99	-12.11	Vertical	NA
7222.9223	-53.89	-45.36	-13.00	32.36	8.53	Vertical	PASS
13378.3378	-59.39	-41.86	-13.00	28.86	17.53	Vertical	PASS
17645.9646	-60.40	-35.66	-13.00	22.66	24.74	Vertical	PASS

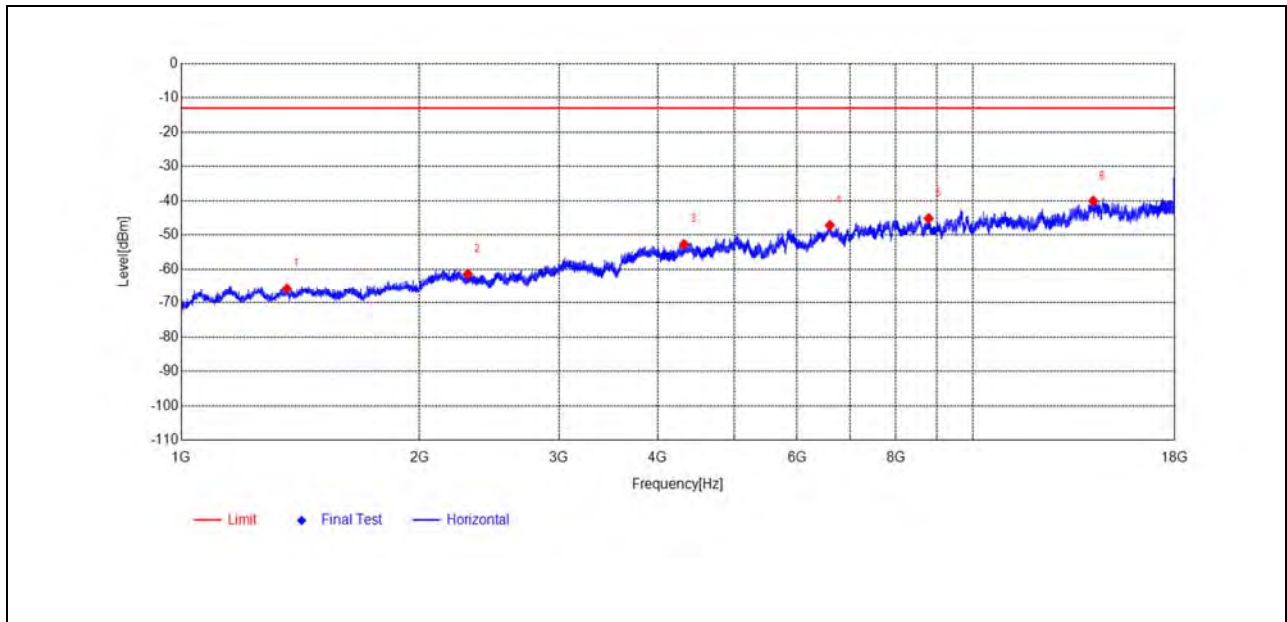
LTE Band 4

Plot for Low Channel



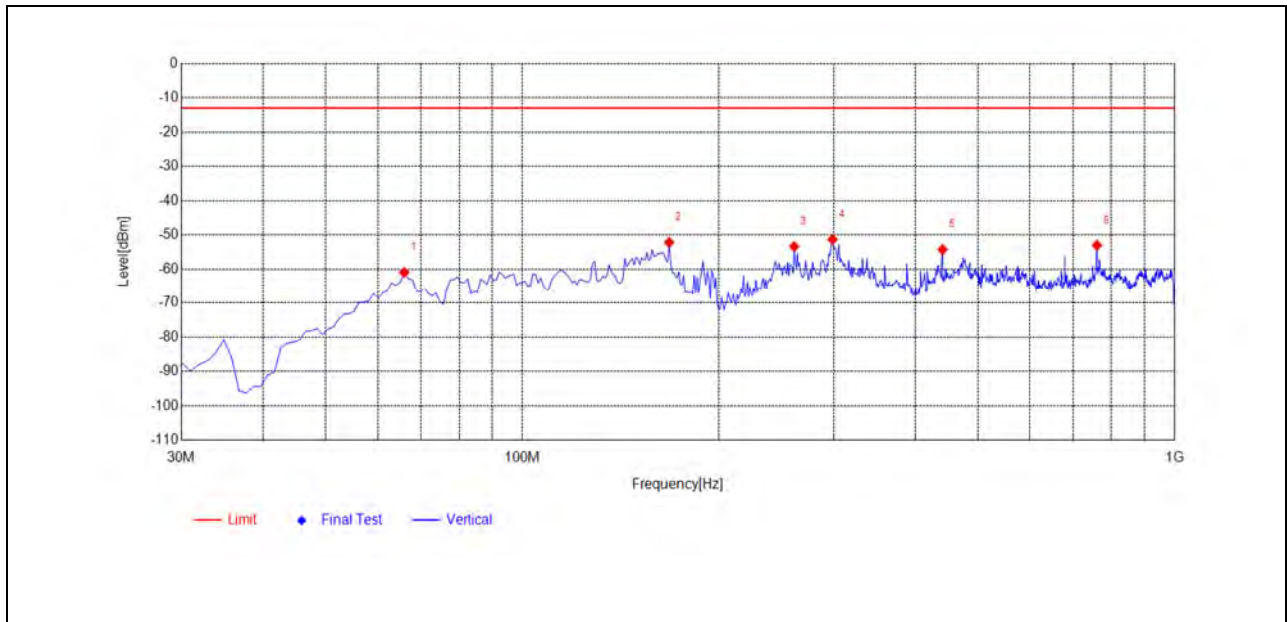
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
67.8679	-24.74	-52.94	-13.00	39.94	-28.20	Horizontal	PASS
79.5195	-28.71	-51.90	-13.00	38.90	-23.19	Horizontal	PASS
128.0681	-34.64	-55.29	-13.00	42.29	-20.65	Horizontal	PASS
239.7297	-45.64	-48.78	-13.00	35.78	-3.14	Horizontal	PASS
481.5015	-47.53	-48.58	-13.00	35.58	-1.05	Horizontal	PASS
760.1702	-59.63	-51.96	-13.00	38.96	7.67	Horizontal	PASS



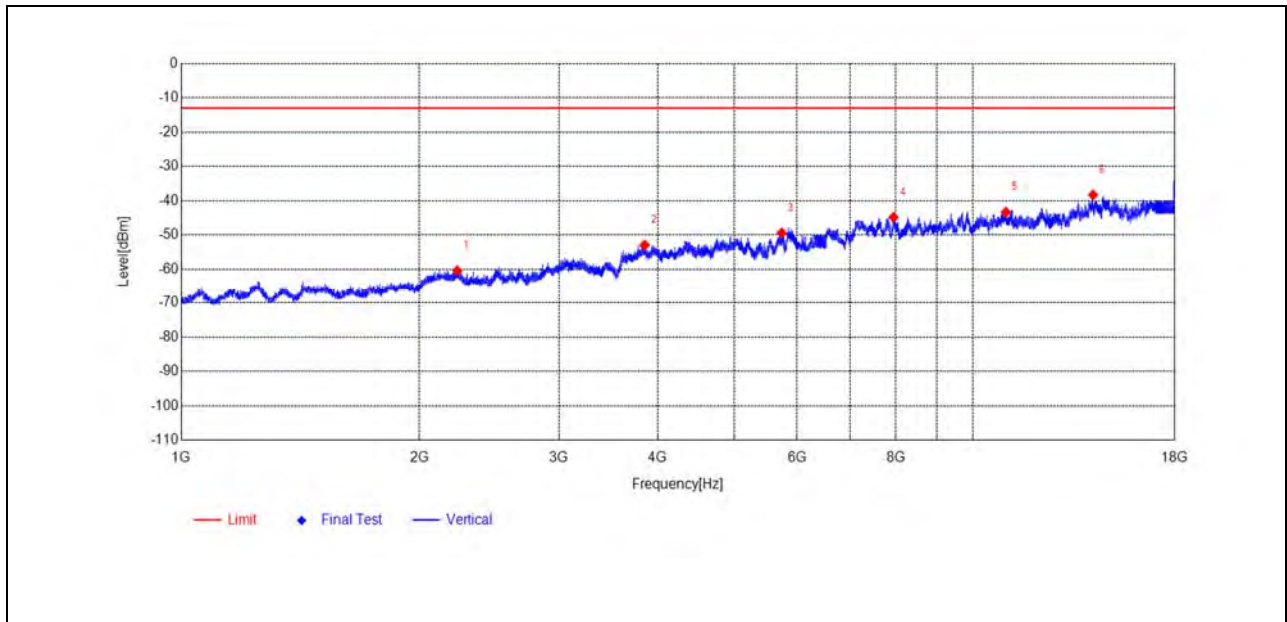
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1359.5360	-51.23	-65.71	-13.00	52.71	-14.48	Horizontal	PASS
2302.6303	-51.68	-61.38	-13.00	48.38	-9.70	Horizontal	PASS
4317.8318	-49.96	-52.71	-13.00	39.71	-2.75	Horizontal	PASS
6600.0600	-54.49	-47.18	-13.00	34.18	7.31	Horizontal	PASS
8799.8800	-57.01	-45.18	-13.00	32.18	11.83	Horizontal	PASS
14204.0204	-58.24	-40.08	-13.00	27.08	18.16	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

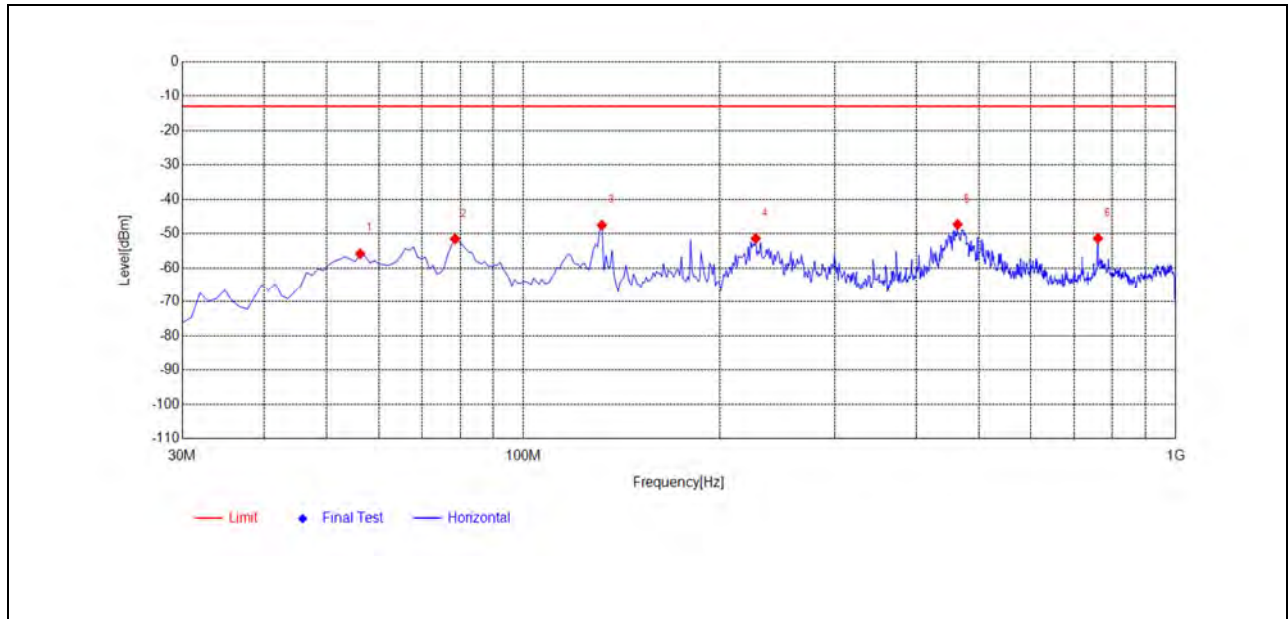
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
65.9259	-29.35	-60.90	-13.00	47.90	-31.55	Vertical	PASS
167.8779	-40.93	-52.13	-13.00	39.13	-11.20	Vertical	PASS
261.0911	-45.48	-53.38	-13.00	40.38	-7.90	Vertical	PASS
298.9590	-45.38	-51.28	-13.00	38.28	-5.90	Vertical	PASS
440.7207	-51.80	-54.23	-13.00	41.23	-2.43	Vertical	PASS
760.1702	-60.38	-53.00	-13.00	40.00	7.38	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

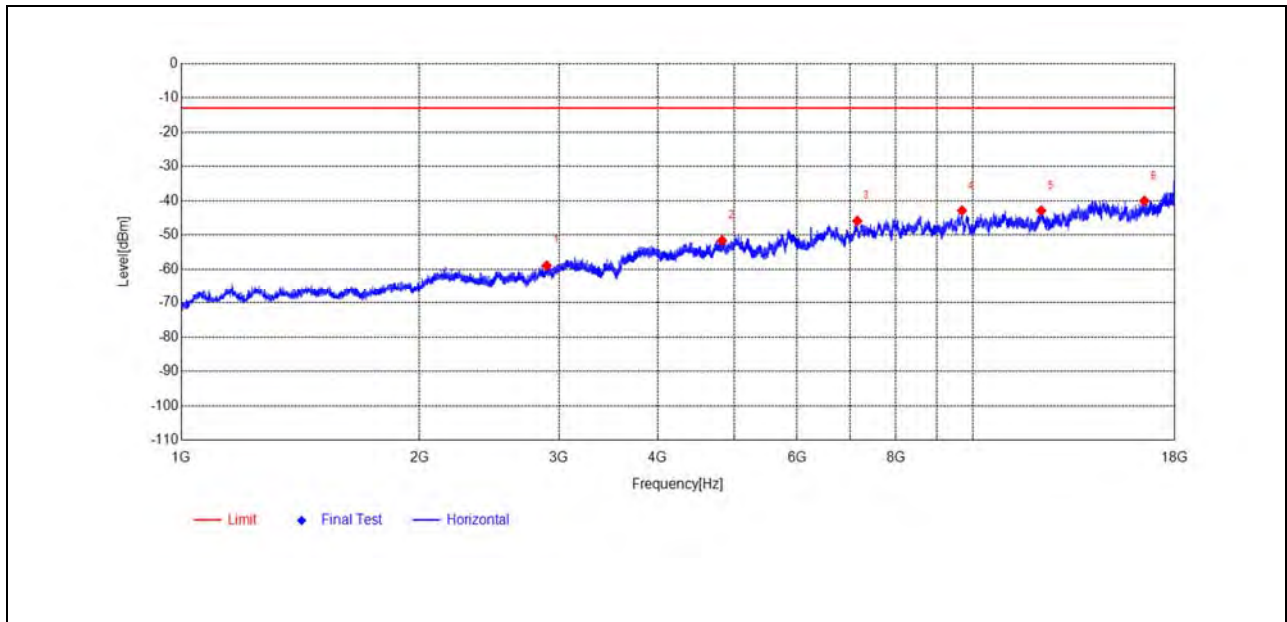
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
2232.1232	-51.81	-60.38	-13.00	47.38	-8.57	Vertical	PASS
3850.7851	-49.21	-52.92	-13.00	39.92	-3.71	Vertical	PASS
5739.4739	-51.78	-49.40	-13.00	36.40	2.38	Vertical	PASS
7944.1944	-54.53	-44.83	-13.00	31.83	9.70	Vertical	PASS
11015.3015	-58.53	-43.33	-13.00	30.33	15.20	Vertical	PASS
14199.2199	-57.09	-38.30	-13.00	25.30	18.79	Vertical	PASS

Plot for Mid Channel



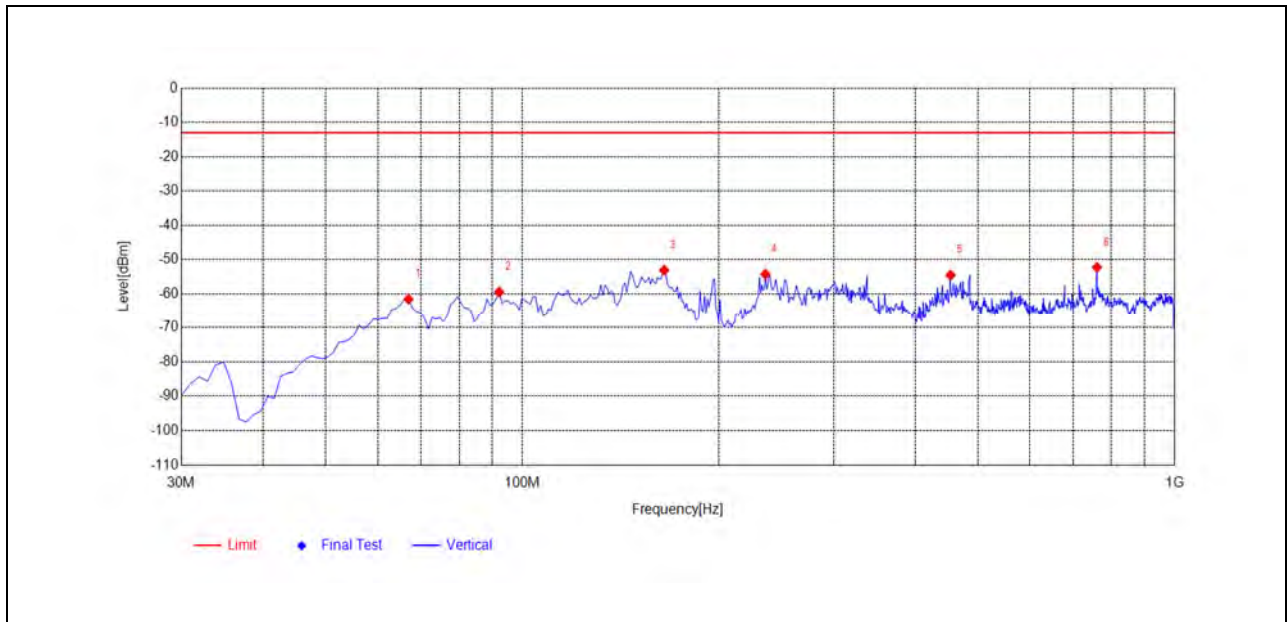
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
56.2162	-30.92	-55.78	-13.00	42.78	-24.86	Horizontal	PASS
78.5485	-28.00	-51.49	-13.00	38.49	-23.49	Horizontal	PASS
131.9520	-28.66	-47.53	-13.00	34.53	-18.87	Horizontal	PASS
227.1071	-48.16	-51.37	-13.00	38.37	-3.21	Horizontal	PASS
463.0531	-45.97	-47.30	-13.00	34.30	-1.33	Horizontal	PASS
760.1702	-59.02	-51.35	-13.00	38.35	7.67	Horizontal	PASS



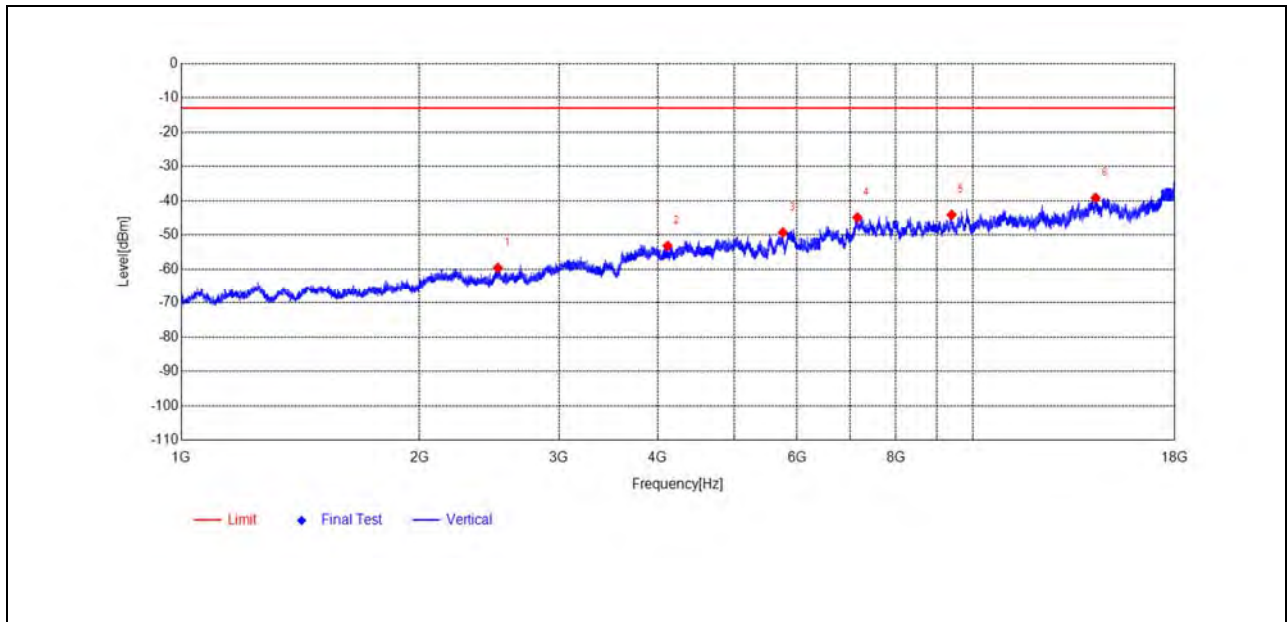
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
2895.6896	-50.63	-58.92	-13.00	45.92	-8.29	Horizontal	PASS
4823.3823	-51.51	-51.60	-13.00	38.60	-0.09	Horizontal	PASS
7148.5149	-53.82	-45.88	-13.00	32.88	7.94	Horizontal	PASS
9696.3696	-57.62	-42.88	-13.00	29.88	14.74	Horizontal	PASS
12207.0207	-58.06	-42.89	-13.00	29.89	15.17	Horizontal	PASS
16480.6481	-60.35	-40.05	-13.00	27.05	20.30	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
66.8969	-29.54	-61.54	-13.00	48.54	-32.00	Vertical	PASS
92.1421	-44.60	-59.44	-13.00	46.44	-14.84	Vertical	PASS
164.9650	-42.25	-53.08	-13.00	40.08	-10.83	Vertical	PASS
235.8458	-44.02	-54.27	-13.00	41.27	-10.25	Vertical	PASS
453.3433	-53.31	-54.51	-13.00	41.51	-1.20	Vertical	PASS
760.1702	-59.61	-52.23	-13.00	39.23	7.38	Vertical	PASS

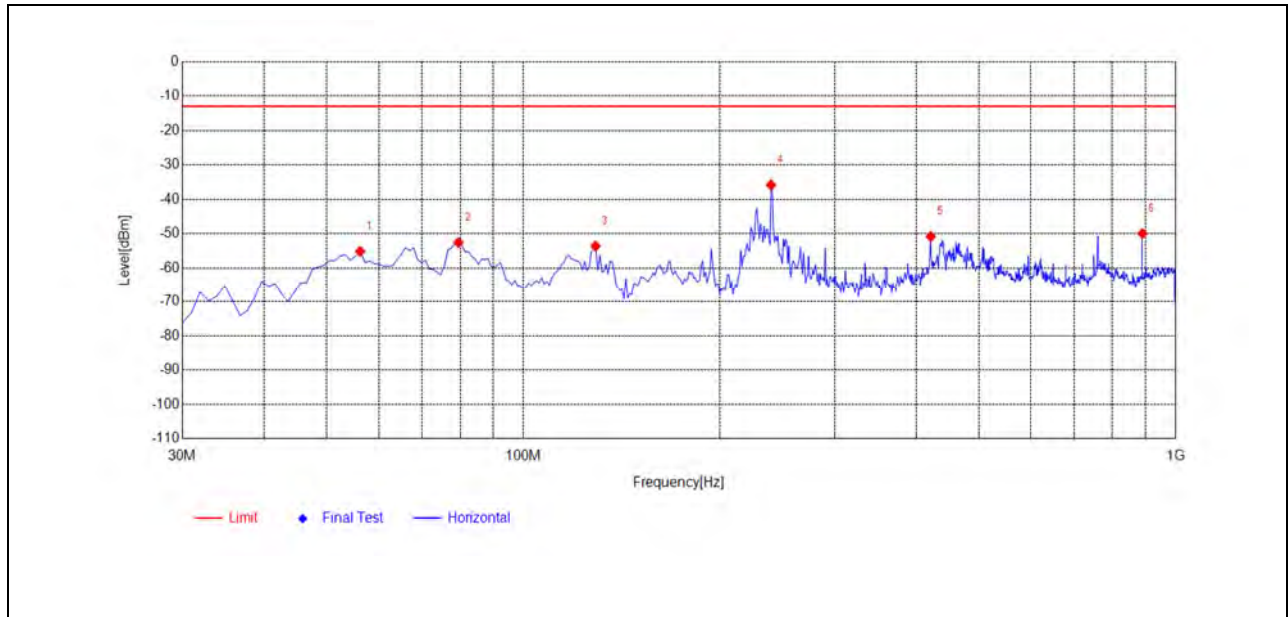


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
2512.6513	-50.94	-59.59	-13.00	46.59	-8.65	Vertical	PASS
4116.8117	-49.86	-53.19	-13.00	40.19	-3.33	Vertical	PASS
5757.4757	-51.22	-49.25	-13.00	36.25	1.97	Vertical	PASS
7150.9151	-54.00	-44.90	-13.00	31.90	9.10	Vertical	PASS
9407.1407	-57.86	-44.13	-13.00	31.13	13.73	Vertical	PASS
14301.2301	-59.20	-39.17	-13.00	26.17	20.03	Vertical	PASS

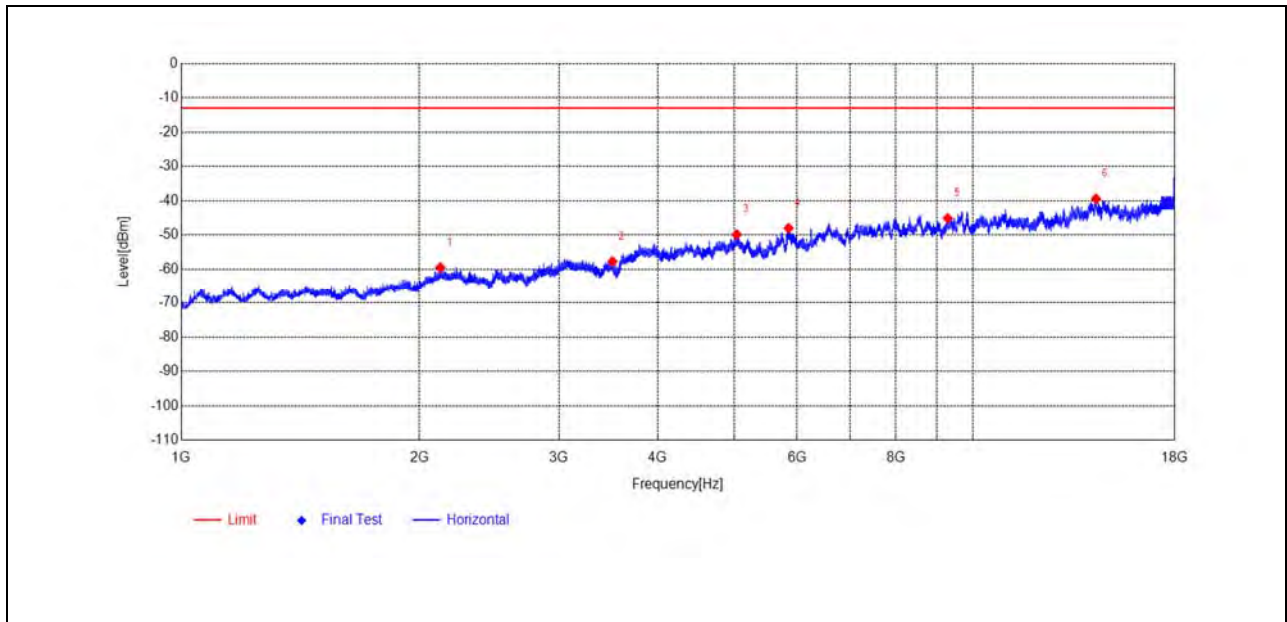


Plot for High Channel



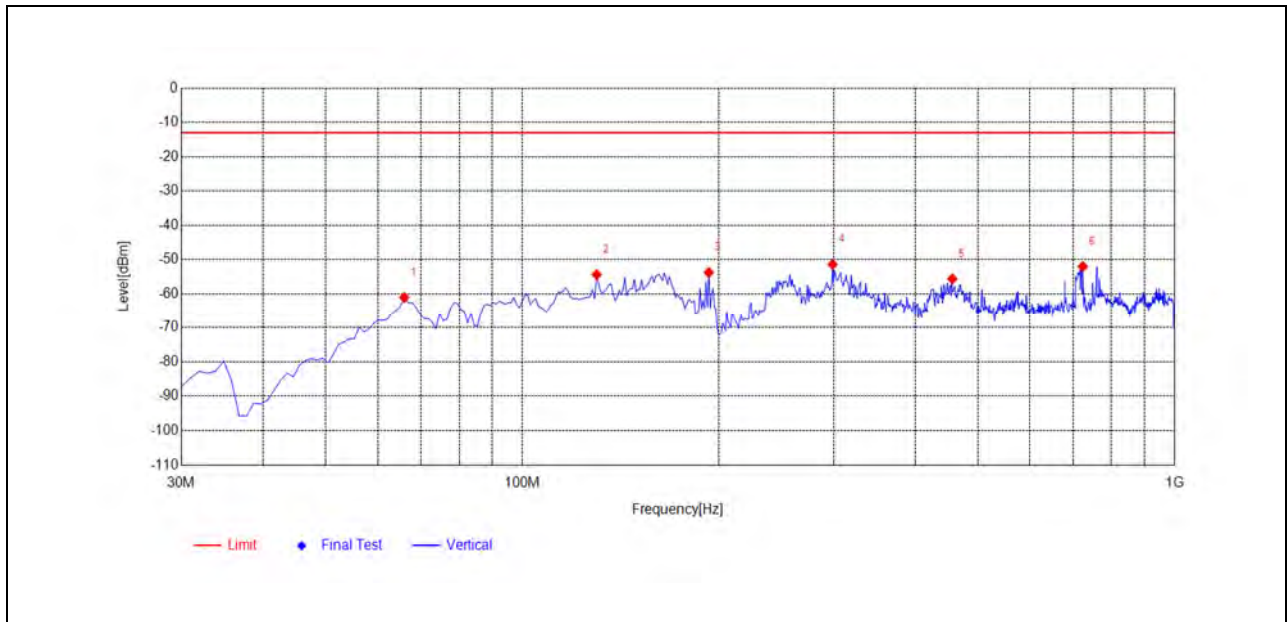
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
56.2162	-30.23	-55.09	-13.00	42.09	-24.86	Horizontal	PASS
79.5195	-29.38	-52.57	-13.00	39.57	-23.19	Horizontal	PASS
129.0390	-33.36	-53.57	-13.00	40.57	-20.21	Horizontal	PASS
239.7297	-32.68	-35.82	-13.00	22.82	-3.14	Horizontal	PASS
421.3013	-49.65	-50.79	-13.00	37.79	-1.14	Horizontal	PASS
889.3093	-54.08	-49.91	-13.00	36.91	4.17	Horizontal	PASS



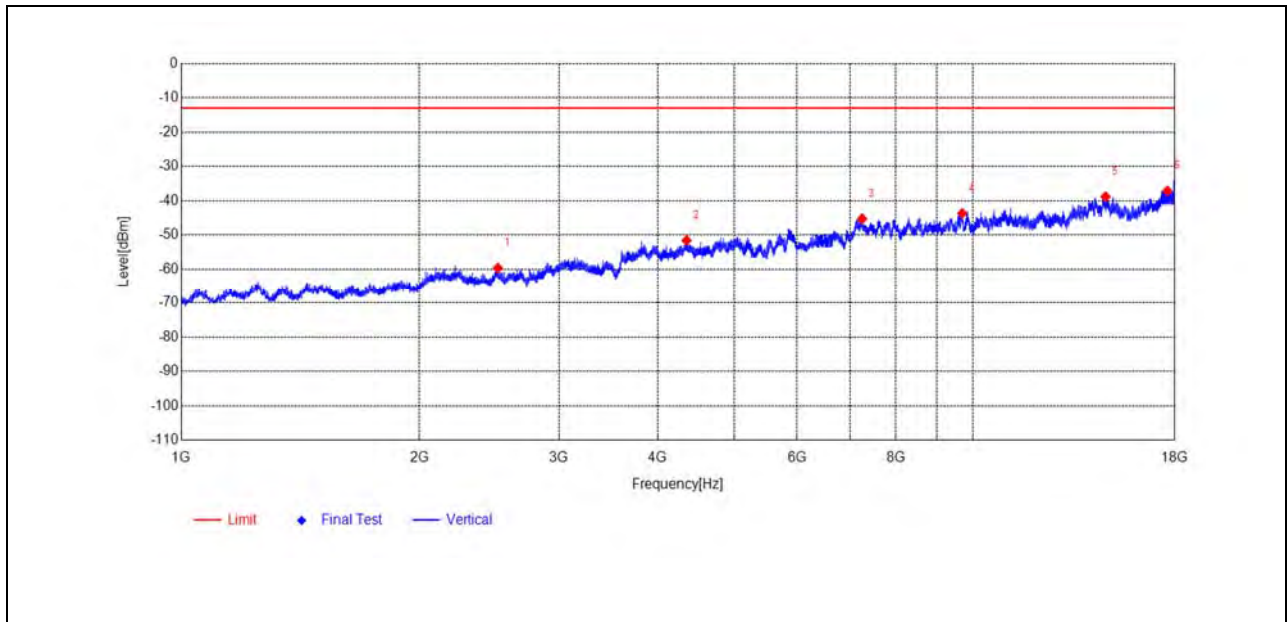
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
2124.6125	-50.85	-59.49	-13.00	46.49	-8.64	Horizontal	PASS
3507.2507	-50.82	-57.73	-13.00	44.73	-6.91	Horizontal	PASS
5032.9033	-50.78	-49.86	-13.00	36.86	0.92	Horizontal	PASS
5854.4854	-51.70	-48.00	-13.00	35.00	3.70	Horizontal	PASS
9301.5302	-57.89	-45.13	-13.00	32.13	12.76	Horizontal	PASS
14316.8317	-58.90	-39.45	-13.00	26.45	19.45	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
65.9259	-29.49	-61.04	-13.00	48.04	-31.55	Vertical	PASS
130.0100	-41.56	-54.37	-13.00	41.37	-12.81	Vertical	PASS
193.1231	-44.37	-53.74	-13.00	40.74	-9.37	Vertical	PASS
298.9590	-45.50	-51.40	-13.00	38.40	-5.90	Vertical	PASS
456.2563	-54.81	-55.61	-13.00	42.61	-0.80	Vertical	PASS
723.2733	-56.02	-52.01	-13.00	39.01	4.01	Vertical	PASS

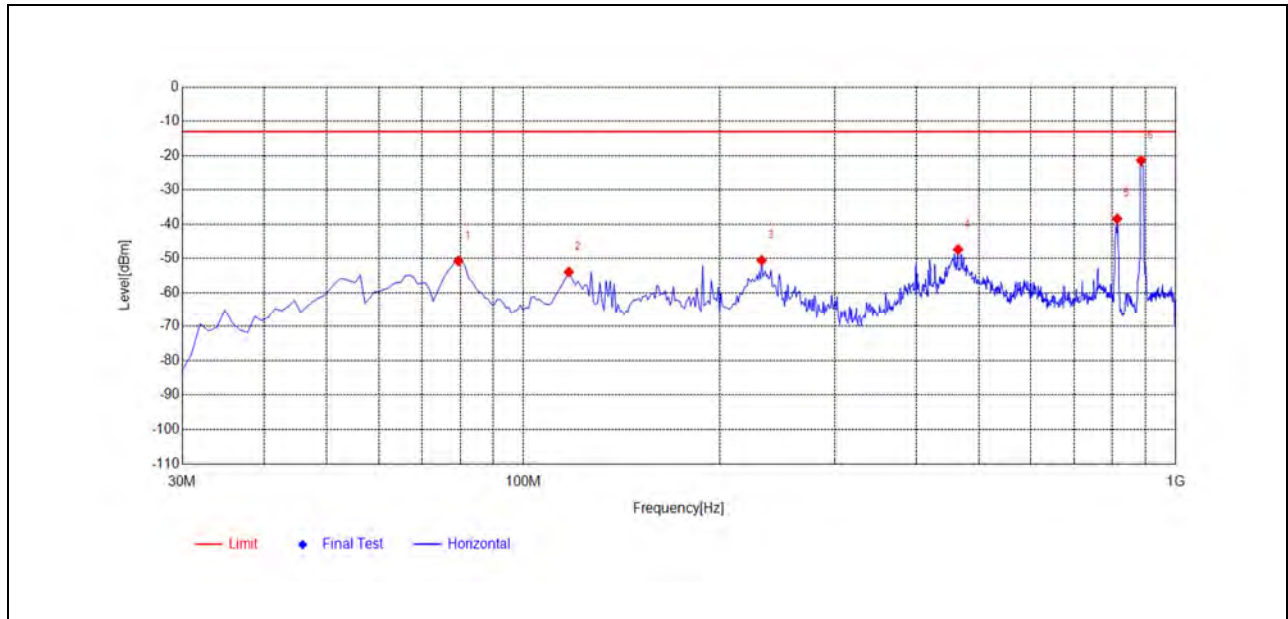


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
2512.6513	-50.97	-59.62	-13.00	46.62	-8.65	Vertical	PASS
4350.3350	-49.82	-51.59	-13.00	38.59	-1.77	Vertical	PASS
7249.3249	-54.03	-45.27	-13.00	32.27	8.76	Vertical	PASS
9702.3702	-57.92	-43.71	-13.00	30.71	14.21	Vertical	PASS
14723.6724	-58.38	-38.83	-13.00	25.83	19.55	Vertical	PASS
17625.5626	-61.91	-37.13	-13.00	24.13	24.78	Vertical	PASS

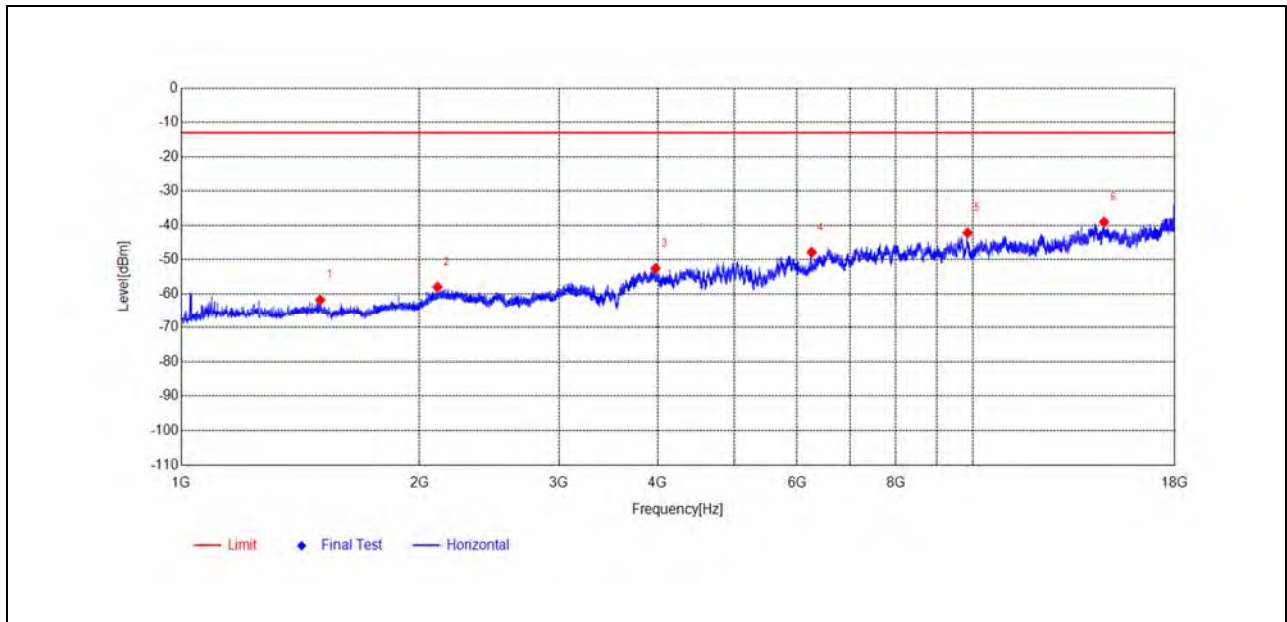
LTE Band 5

Plot for Low Channel



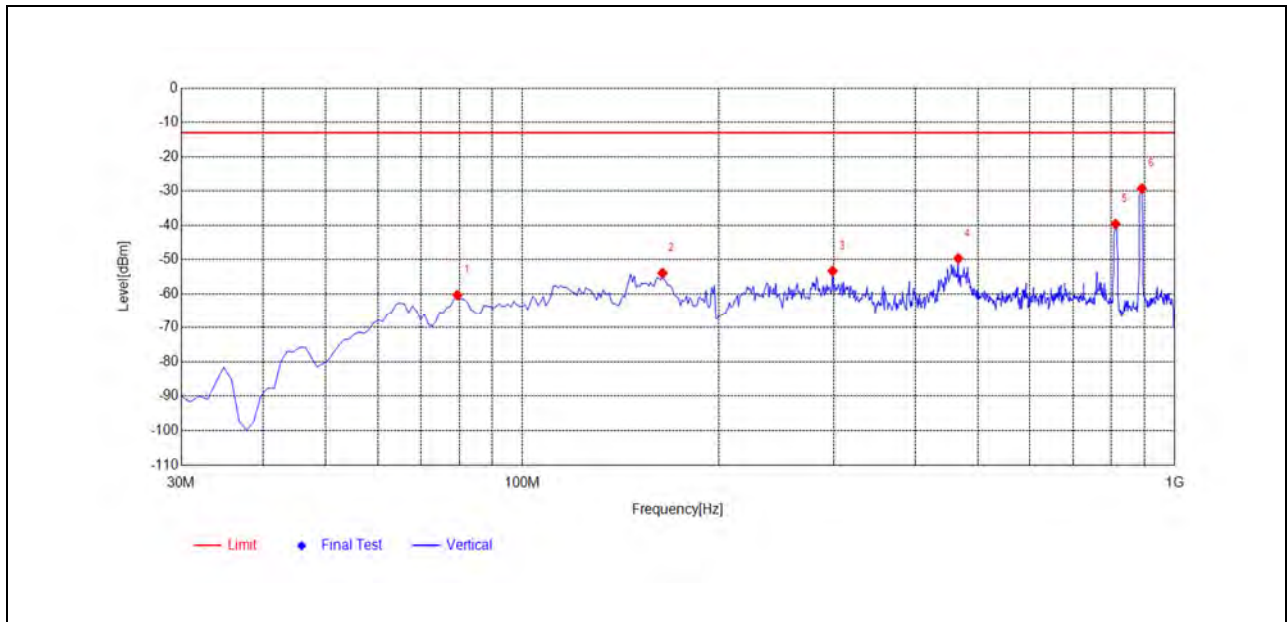
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
79.5195	-27.52	-50.71	-13.00	37.71	-23.19	Horizontal	PASS
117.3874	-32.45	-53.93	-13.00	40.93	-21.48	Horizontal	PASS
231.9620	-47.06	-50.56	-13.00	37.56	-3.50	Horizontal	PASS
464.0240	-45.96	-47.37	-13.00	34.37	-1.41	Horizontal	PASS
813.5736	-43.89	-38.42	-13.00	25.42	5.47	Horizontal	NA
885.4254	-26.05	-21.38	-13.00	8.38	4.67	Horizontal	NA



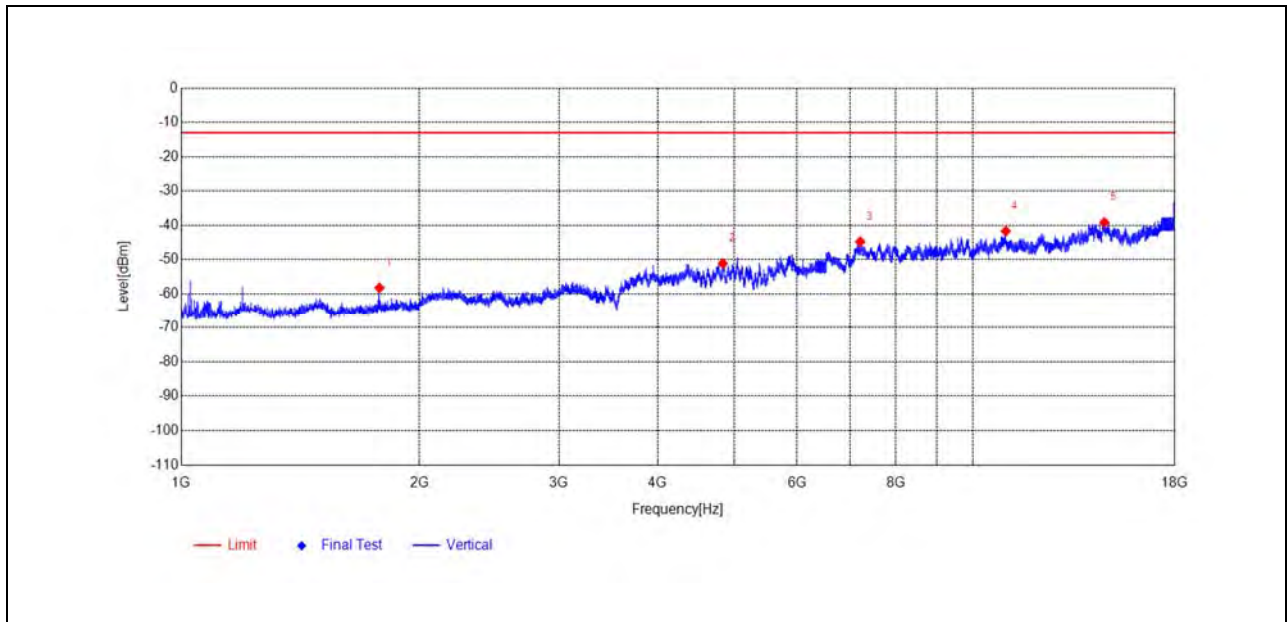
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1498.0498	-48.74	-61.78	-13.00	48.78	-13.04	Horizontal	PASS
2108.1108	-49.26	-58.00	-13.00	45.00	-8.74	Horizontal	PASS
3975.2975	-49.23	-52.56	-13.00	39.56	-3.33	Horizontal	PASS
6261.6262	-51.10	-47.85	-13.00	34.85	3.25	Horizontal	PASS
9853.5854	-57.63	-42.19	-13.00	29.19	15.44	Horizontal	PASS
14657.6658	-59.30	-39.02	-13.00	26.02	20.28	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

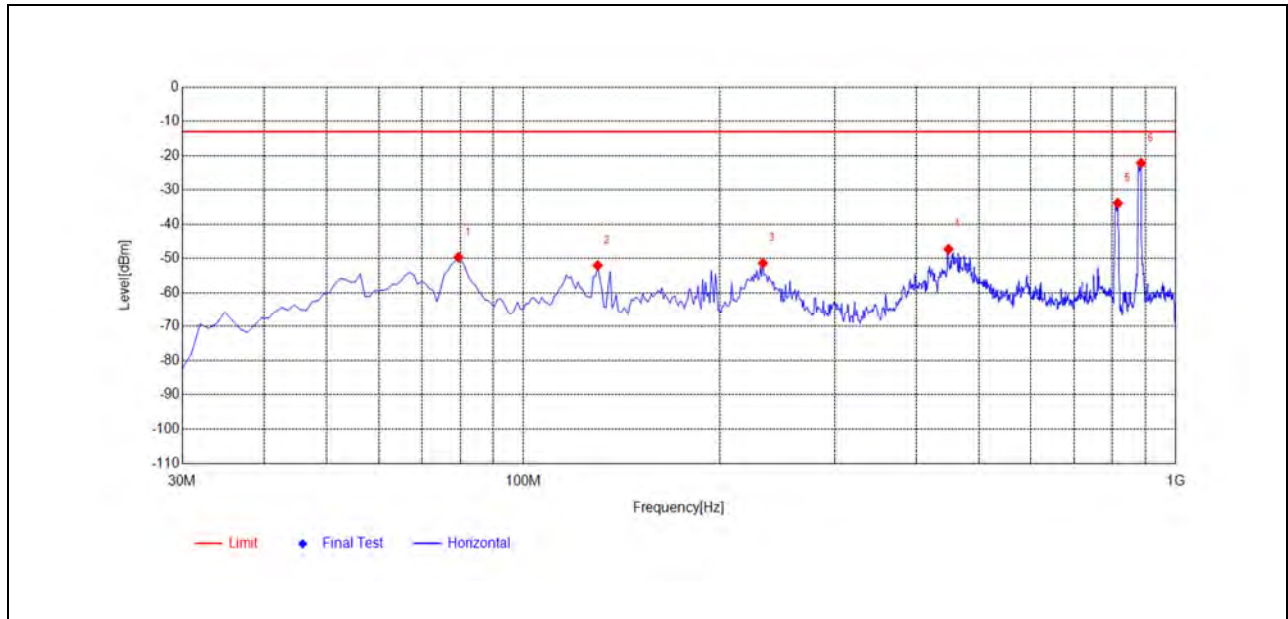
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
79.5195	-35.74	-60.34	-13.00	47.34	-24.60	Vertical	PASS
163.9940	-41.97	-53.91	-13.00	40.91	-11.94	Vertical	PASS
298.9590	-47.42	-53.32	-13.00	40.32	-5.90	Vertical	PASS
465.9660	-48.99	-49.66	-13.00	36.66	-0.67	Vertical	PASS
811.6316	-45.00	-39.61	-13.00	26.61	5.39	Vertical	NA
890.2803	-34.83	-29.26	-13.00	16.26	5.57	Vertical	NA



(Antenna Vertical, 1GHz to 18GHz)

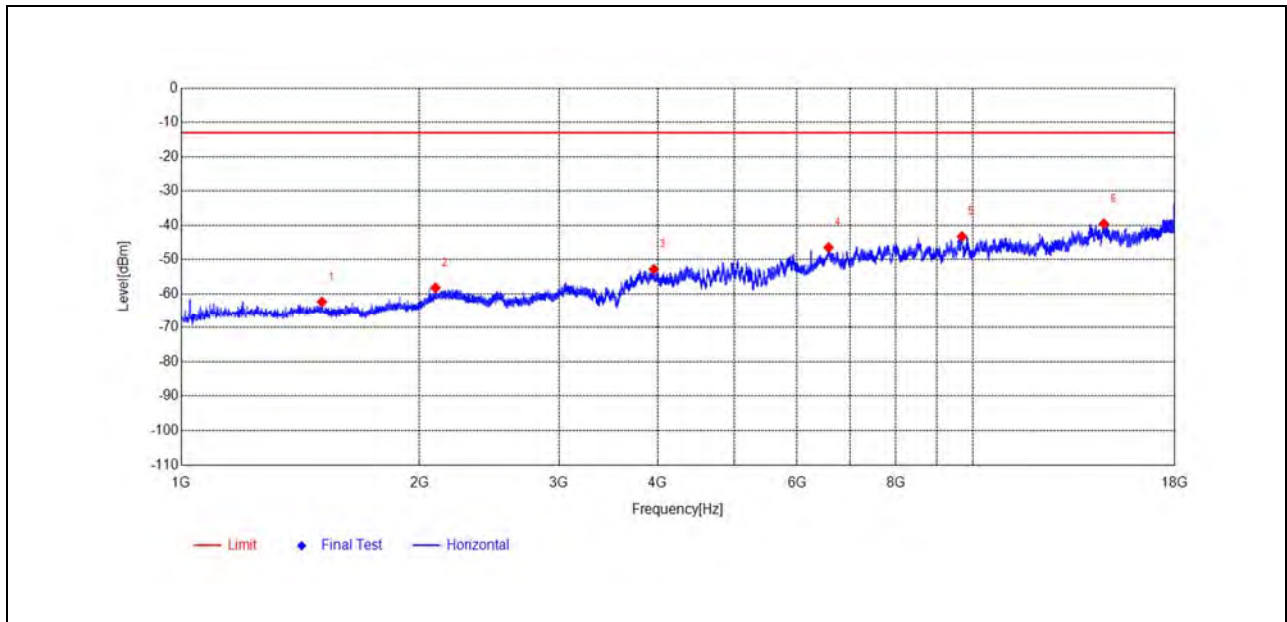
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1780.0780	-45.37	-58.23	-13.00	45.23	-12.86	Vertical	PASS
4834.8835	-51.44	-51.13	-13.00	38.13	0.31	Vertical	PASS
7212.1212	-53.24	-44.81	-13.00	31.81	8.43	Vertical	PASS
11011.7012	-57.02	-41.70	-13.00	28.70	15.32	Vertical	PASS
14674.4674	-59.77	-39.18	-13.00	26.18	20.59	Vertical	PASS

Plot for Mid Channel



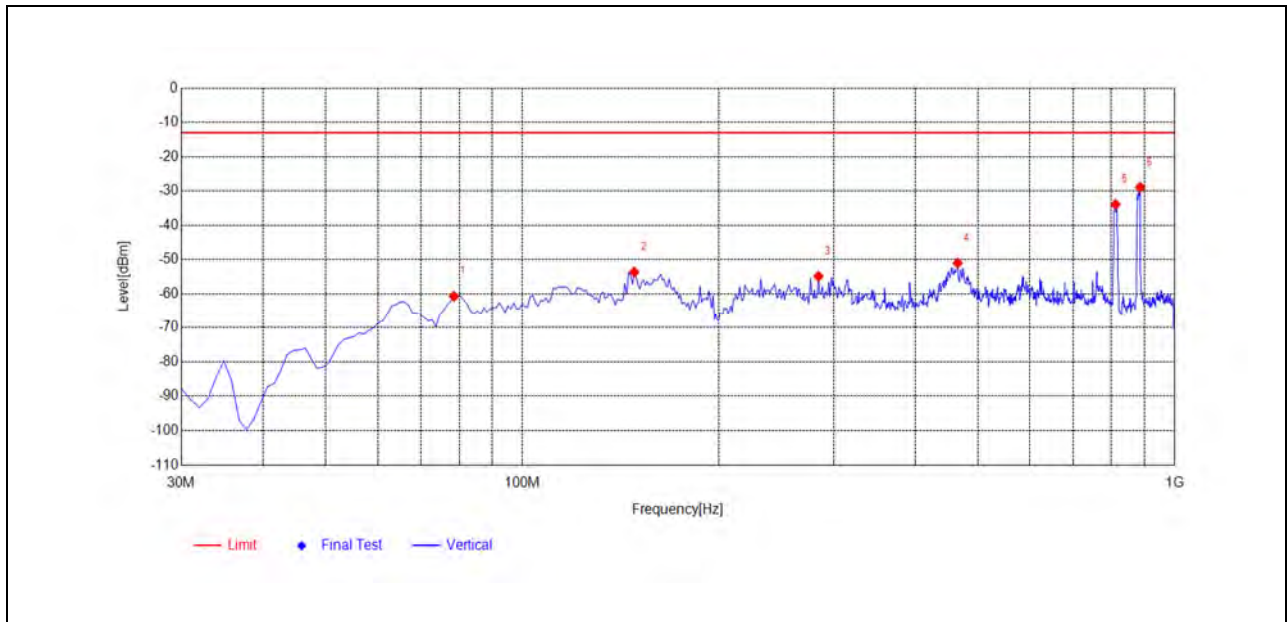
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
79.5195	-26.44	-49.63	-13.00	36.63	-23.19	Horizontal	PASS
130.0100	-31.93	-52.02	-13.00	39.02	-20.09	Horizontal	PASS
232.9329	-47.87	-51.35	-13.00	38.35	-3.48	Horizontal	PASS
448.4885	-45.31	-47.27	-13.00	34.27	-1.96	Horizontal	PASS
815.5155	-39.17	-33.87	-13.00	20.87	5.30	Horizontal	NA
885.4254	-26.83	-22.16	-13.00	9.16	4.67	Horizontal	NA



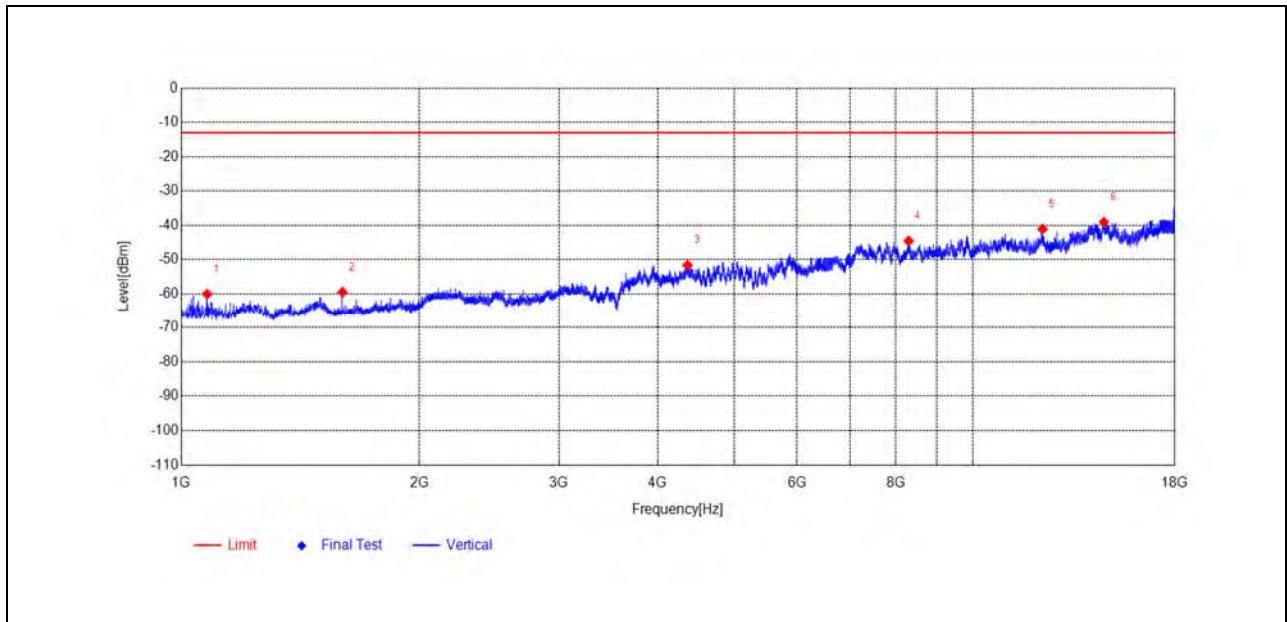
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1505.5506	-49.16	-62.37	-13.00	49.37	-13.21	Horizontal	PASS
2094.6095	-49.30	-58.24	-13.00	45.24	-8.94	Horizontal	PASS
3955.2955	-49.75	-52.80	-13.00	39.80	-3.05	Horizontal	PASS
6576.0576	-53.06	-46.46	-13.00	33.46	6.60	Horizontal	PASS
9693.9694	-57.87	-43.27	-13.00	30.27	14.60	Horizontal	PASS
14654.0654	-59.94	-39.56	-13.00	26.56	20.38	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

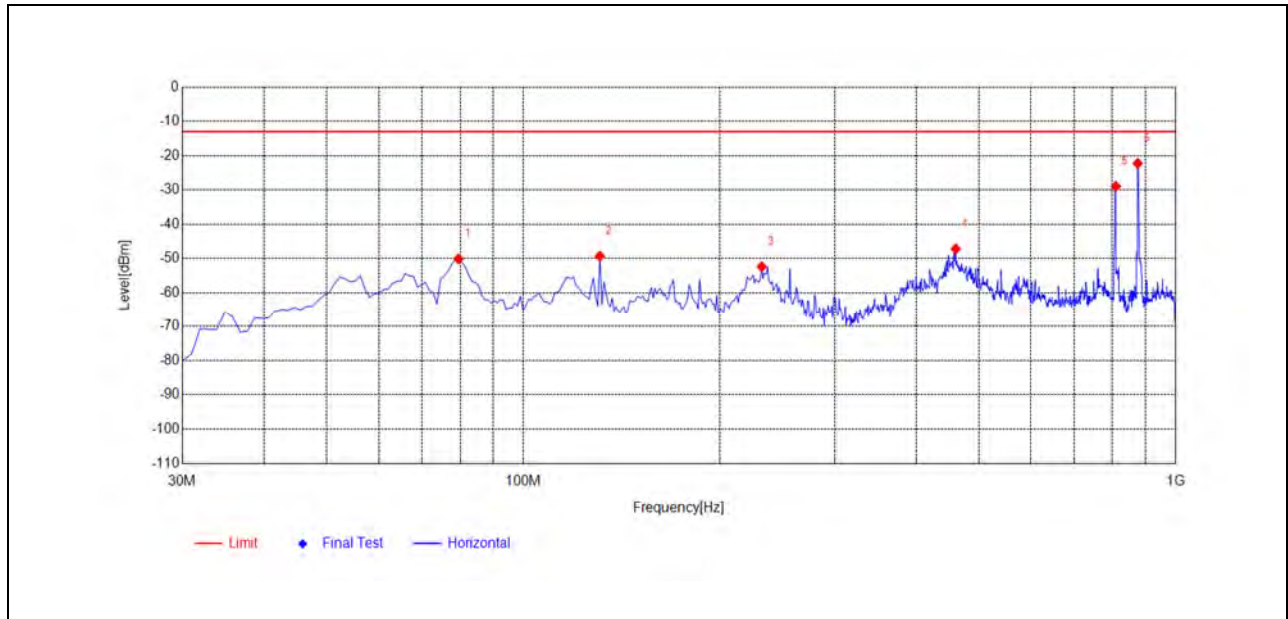
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
78.5485	-35.44	-60.70	-13.00	47.70	-25.26	Vertical	PASS
148.4585	-42.99	-53.63	-13.00	40.63	-10.64	Vertical	PASS
284.3944	-48.88	-54.87	-13.00	41.87	-5.99	Vertical	PASS
464.9950	-50.30	-50.99	-13.00	37.99	-0.69	Vertical	PASS
811.6316	-39.29	-33.90	-13.00	20.90	5.39	Vertical	NA
885.4254	-35.09	-28.91	-13.00	15.91	6.18	Vertical	NA



(Antenna Vertical, 1GHz to 18GHz)

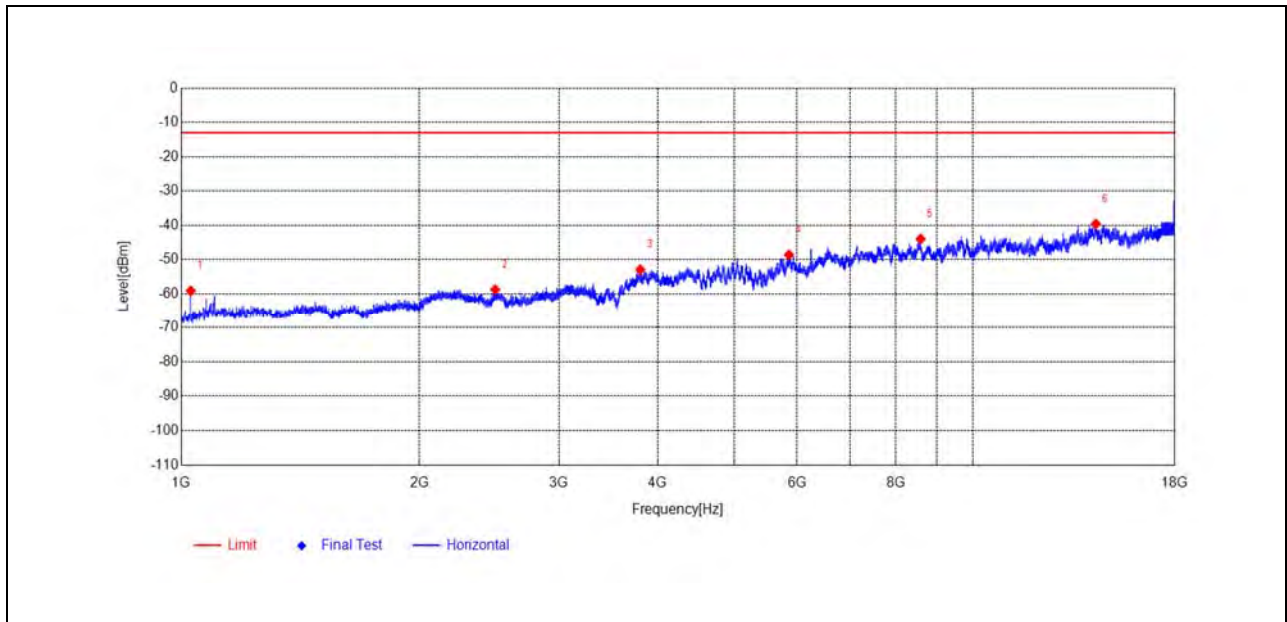
Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1078.0078	-44.51	-60.06	-13.00	47.06	-15.55	Vertical	PASS
1598.0598	-45.58	-59.49	-13.00	46.49	-13.91	Vertical	PASS
4362.3362	-49.91	-51.62	-13.00	38.62	-1.71	Vertical	PASS
8303.0303	-54.94	-44.58	-13.00	31.58	10.36	Vertical	PASS
12256.2256	-57.47	-41.08	-13.00	28.08	16.39	Vertical	PASS
14657.6658	-60.11	-39.08	-13.00	26.08	21.03	Vertical	PASS

Plot for High Channel



(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
79.5195	-26.90	-50.09	-13.00	37.09	-23.19	Horizontal	PASS
130.9810	-29.18	-49.29	-13.00	36.29	-20.11	Horizontal	PASS
231.9620	-48.86	-52.36	-13.00	39.36	-3.50	Horizontal	PASS
460.1401	-46.10	-47.18	-13.00	34.18	-1.08	Horizontal	PASS
809.6897	-34.61	-28.93	-13.00	15.93	5.68	Horizontal	NA
874.7447	-26.13	-22.24	-13.00	9.24	3.89	Horizontal	NA



(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity	Verdict
1028.0028	-42.79	-59.10	-13.00	46.10	-16.31	Horizontal	PASS
2493.1493	-49.59	-58.74	-13.00	45.74	-9.15	Horizontal	PASS
3802.7803	-48.96	-52.92	-13.00	39.92	-3.96	Horizontal	PASS
5859.4859	-52.23	-48.60	-13.00	35.60	3.63	Horizontal	PASS
8595.8596	-55.63	-43.98	-13.00	30.98	11.65	Horizontal	PASS
14310.8311	-59.07	-39.60	-13.00	26.60	19.47	Horizontal	PASS