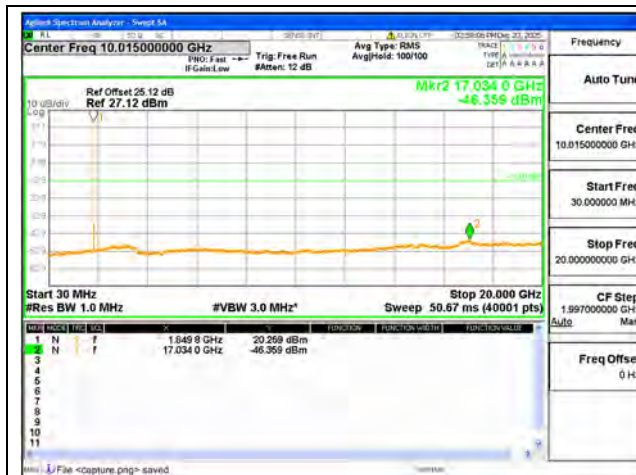
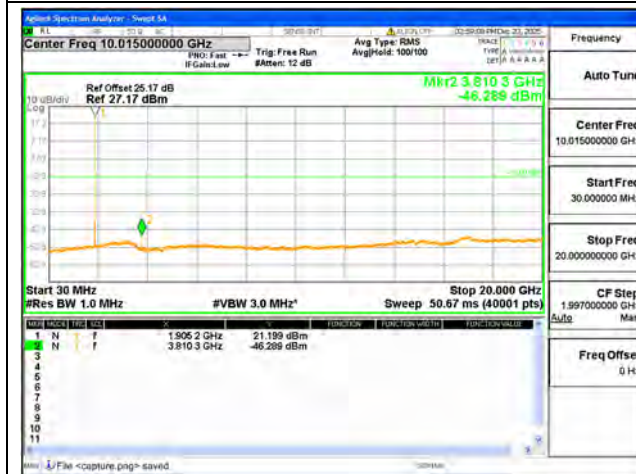




B2 / 5MHz / Low CH / QPSK



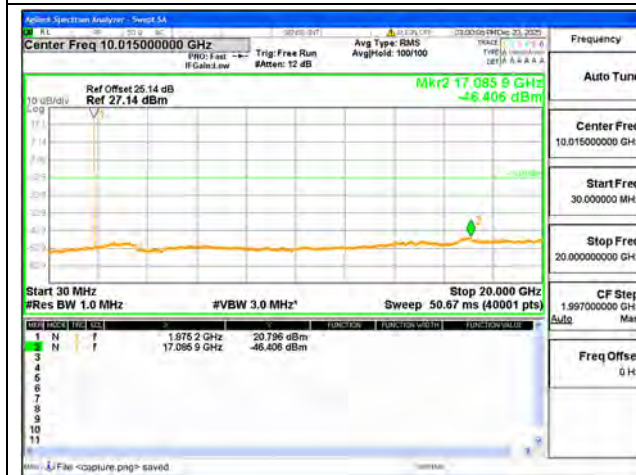
B2 / 5MHz / Mid CH / QPSK



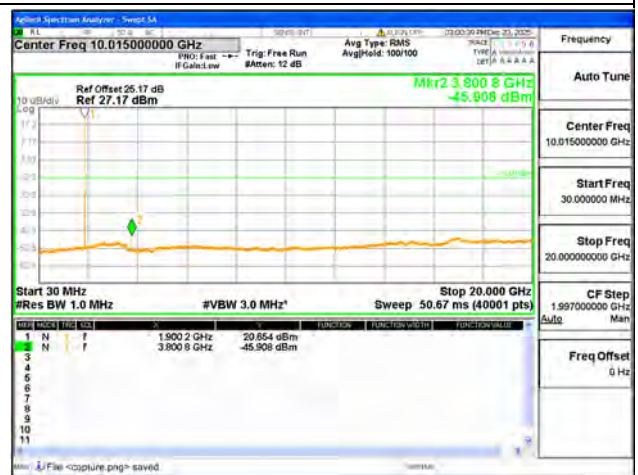
B2 / 5MHz / High CH / QPSK



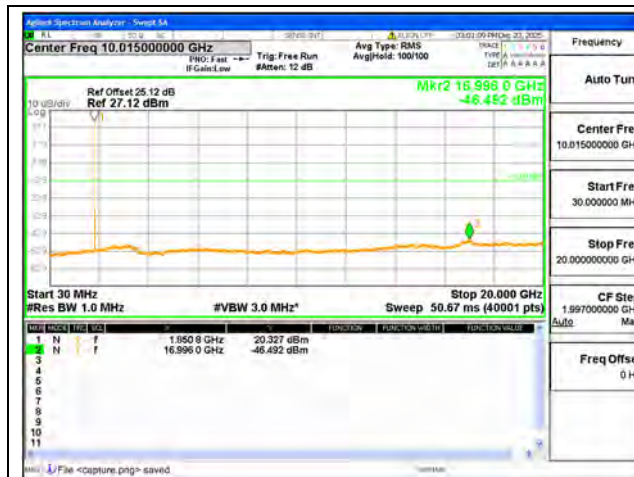
B2 / 10MHz / Low CH / QPSK



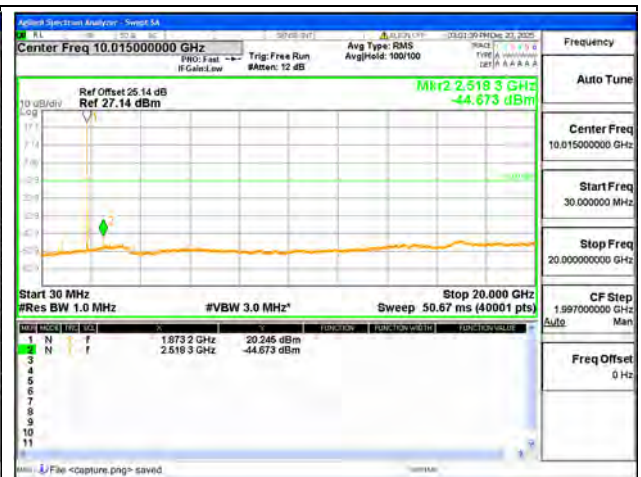
B2 / 10MHz / Mid CH / QPSK



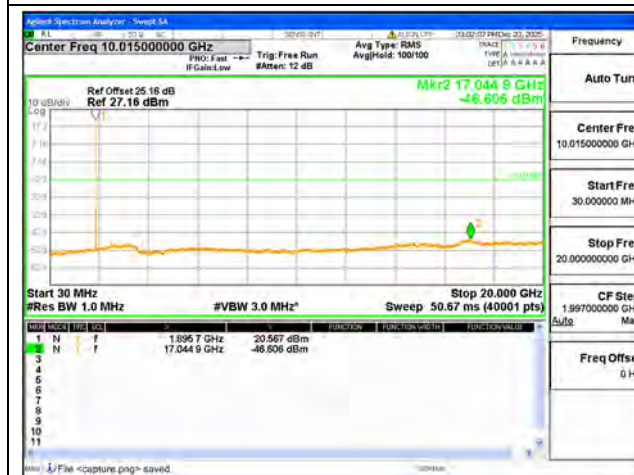
B2 / 10MHz / High CH / QPSK



B2 / 15MHz / Low CH / QPSK



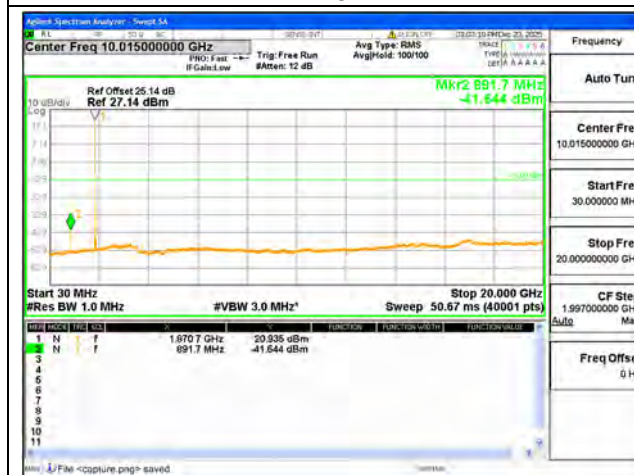
B2 / 15MHz / Mid CH / QPSK



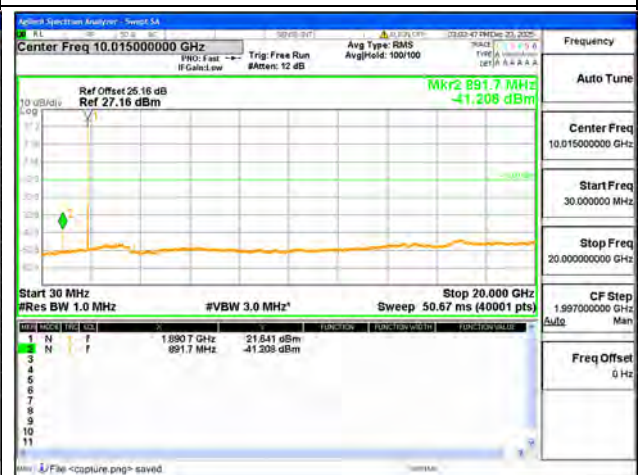
B2 / 15MHz / High CH / QPSK



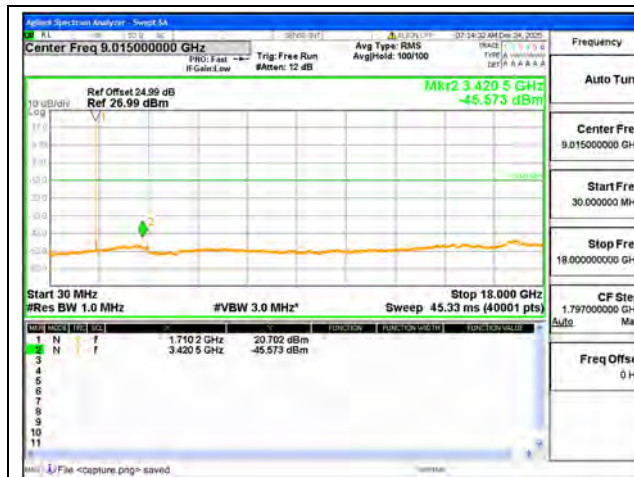
B2 / 20MHz / Low CH / QPSK



B2 / 20MHz / Mid CH / QPSK



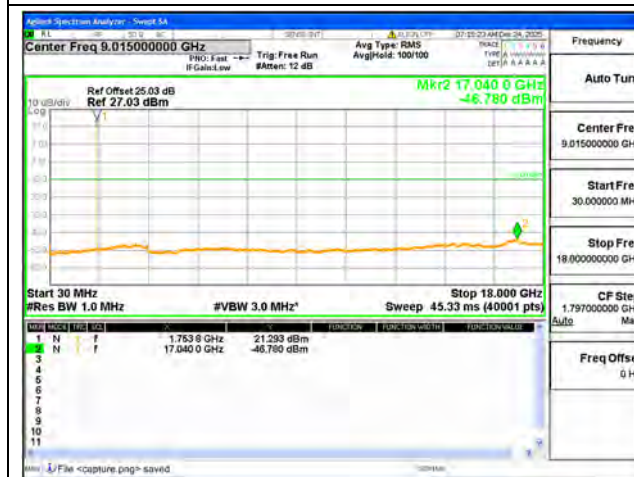
B2 / 20MHz / High CH / QPSK



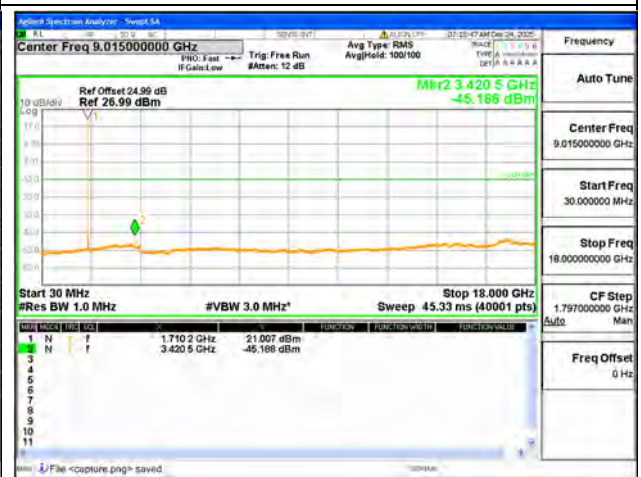
B4 / 1.4MHz / Low CH / QPSK



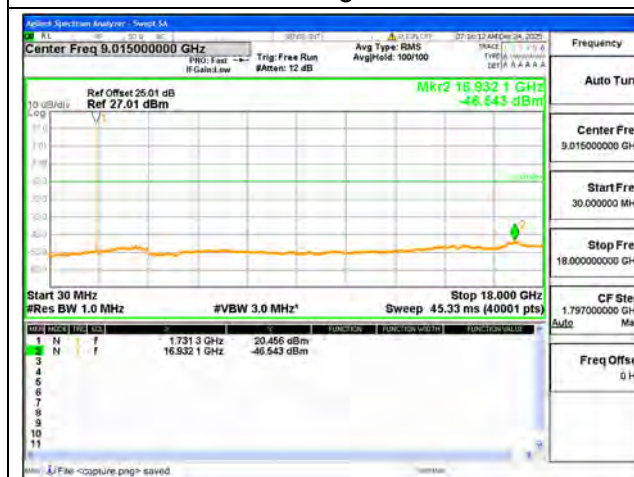
B4 / 1.4MHz / Mid CH / QPSK



B4 / 1.4MHz / High CH / QPSK



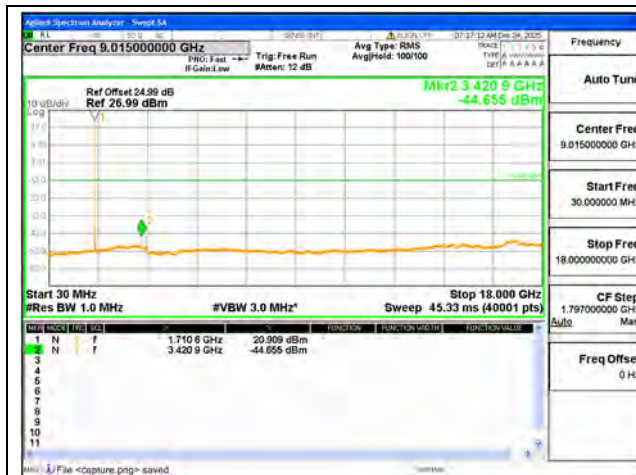
B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Mid CH / QPSK



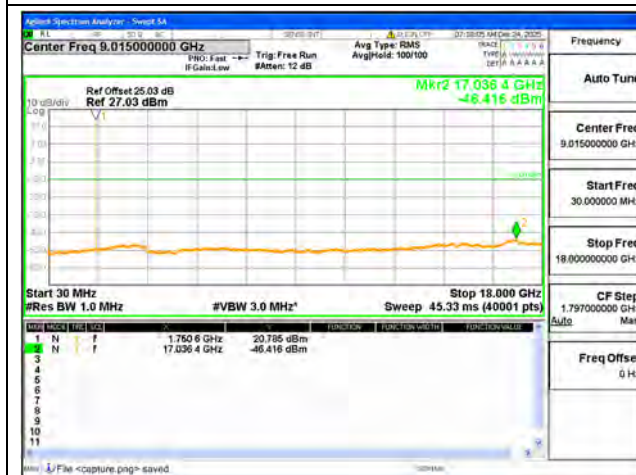
B4 / 3MHz / High CH / QPSK



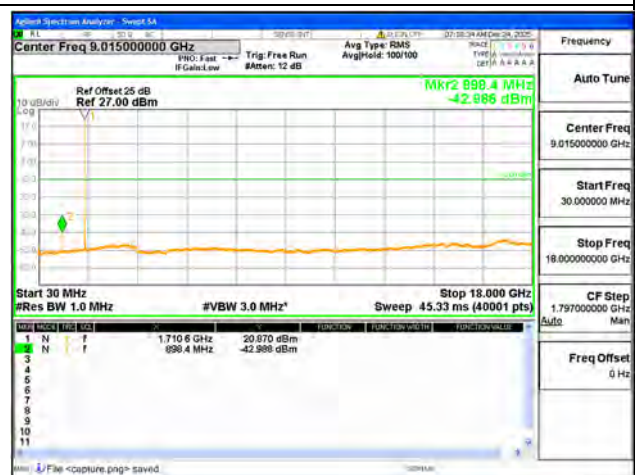
B4 / 5MHz / Low CH / QPSK



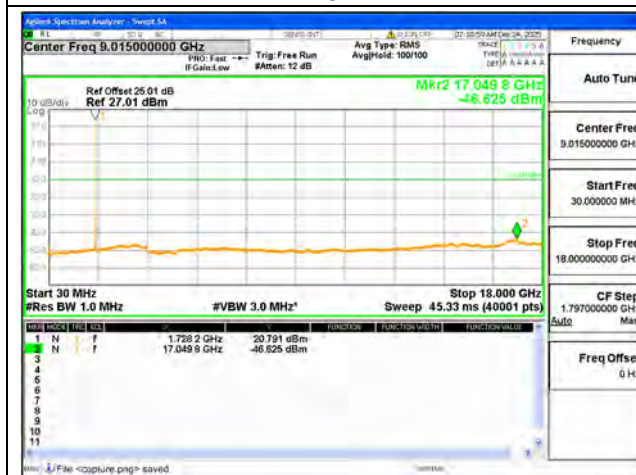
B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / High CH / QPSK



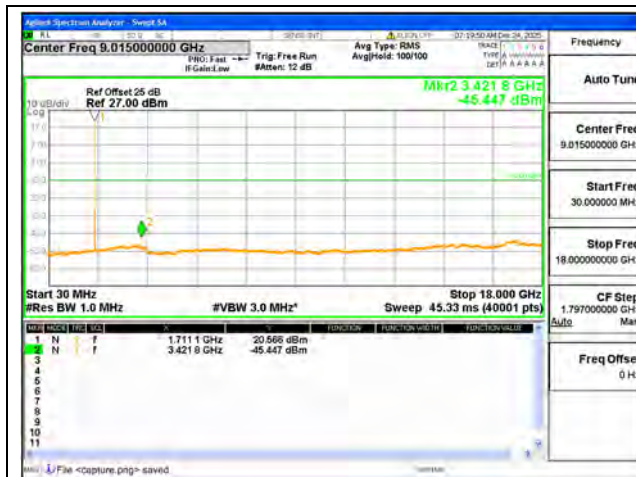
B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Mid CH / QPSK



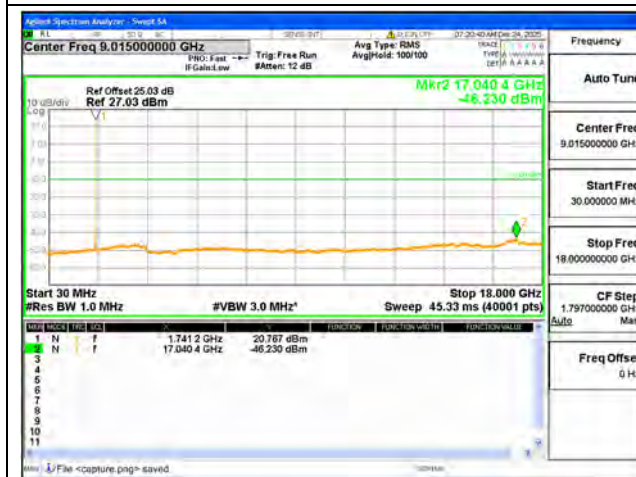
B4 / 10MHz / High CH / QPSK



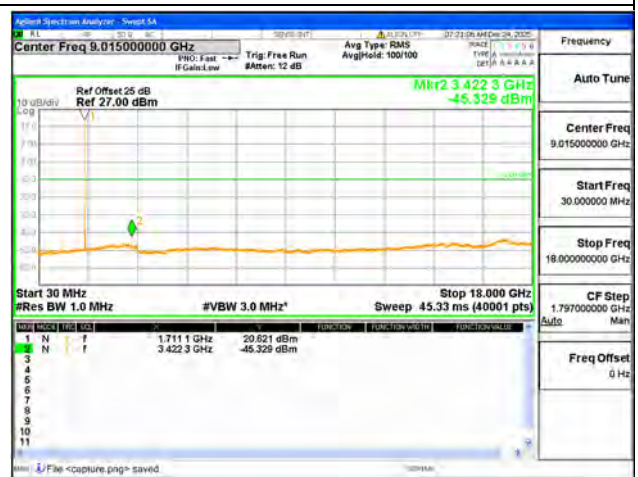
B4 / 15MHz / Low CH / QPSK



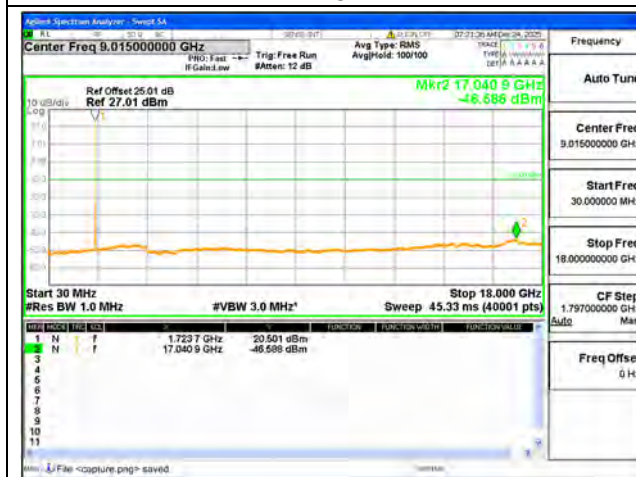
B4 / 15MHz / Mid CH / QPSK



B4 / 15MHz / High CH / QPSK



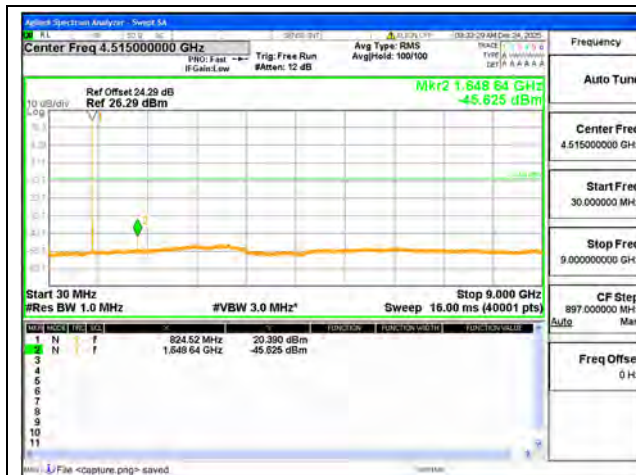
B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Mid CH / QPSK



B4 / 20MHz / High CH / QPSK



B5 / 1.4MHz / Low CH / QPSK



B5 / 1.4MHz / Mid CH / QPSK



B5 / 1.4MHz / High CH / QPSK



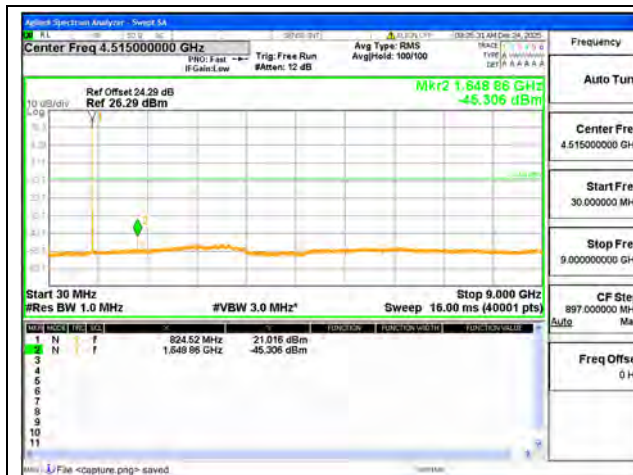
B5 / 3MHz / Low CH / QPSK



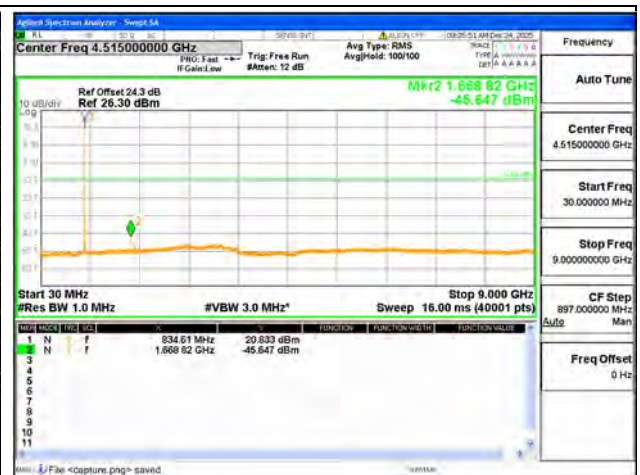
B5 / 3MHz / Mid CH / QPSK



B5 / 3MHz / High CH / QPSK



B5 / 5MHz / Low CH / QPSK



B5 / 5MHz / Mid CH / QPSK



B5 / 5MHz / High CH / QPSK



B5 / 10MHz / Low CH / QPSK



B5 / 10MHz / Mid CH / QPSK



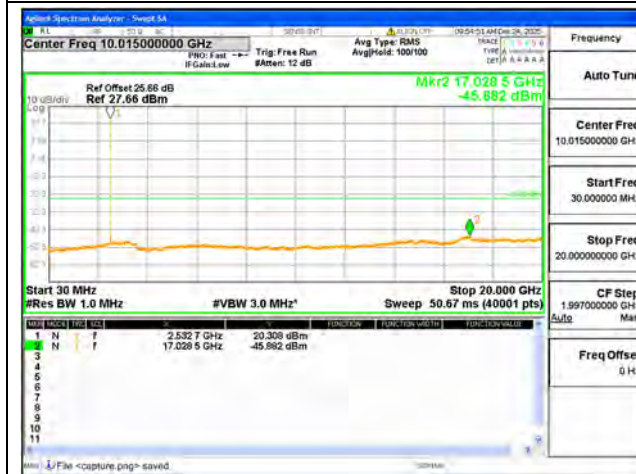
B5 / 10MHz / High CH / QPSK



B7-30M-20G / 5MHz / Low CH / QPSK



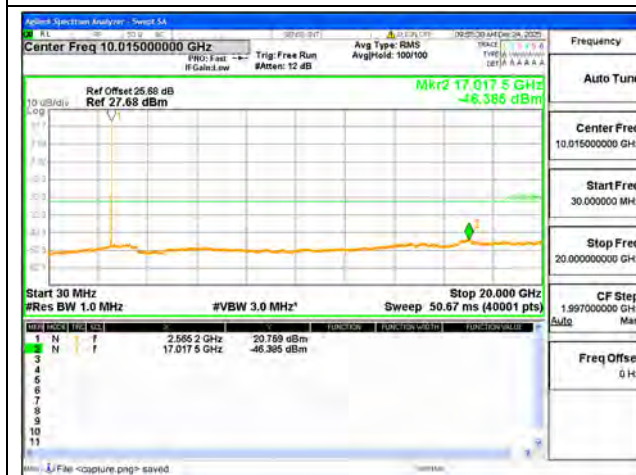
B7-20G-26G / 5MHz / Low CH / QPSK



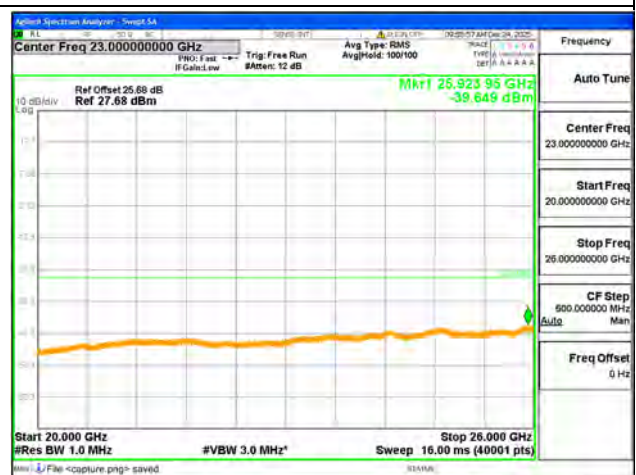
B7-30M-20G / 5MHz / Mid CH / QPSK



B7-20G-26G / 5MHz / Mid CH / QPSK



B7-30M-20G / 5MHz / High CH / QPSK



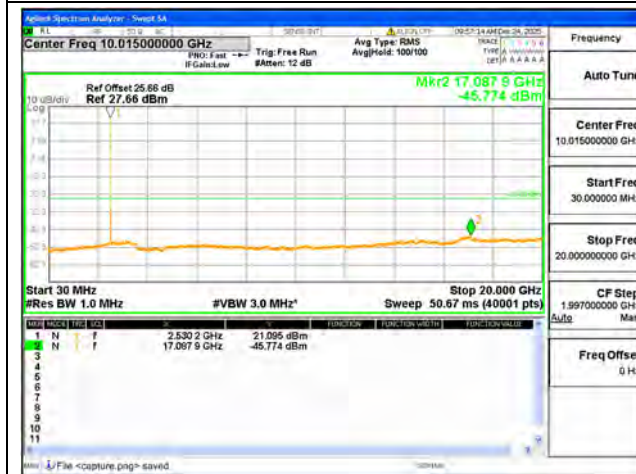
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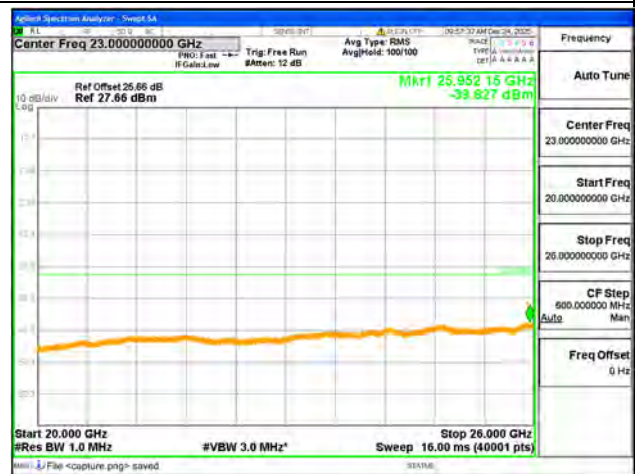
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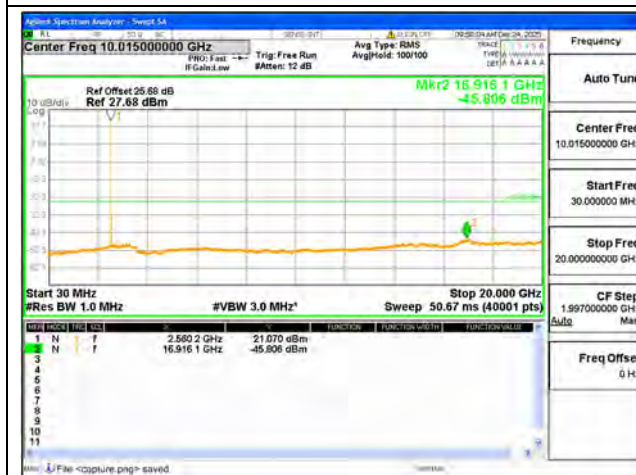
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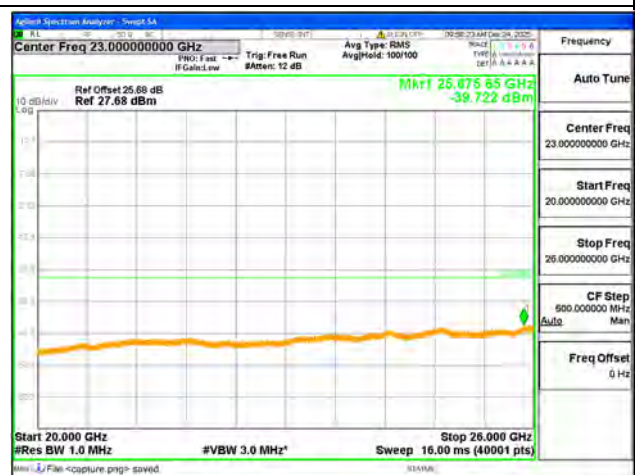
B7-30M-20G / 10MHz / Mid CH / QPSK



B7-20G-26G / 10MHz / Mid CH / QPSK



B7-30M-20G / 10MHz / High CH / QPSK



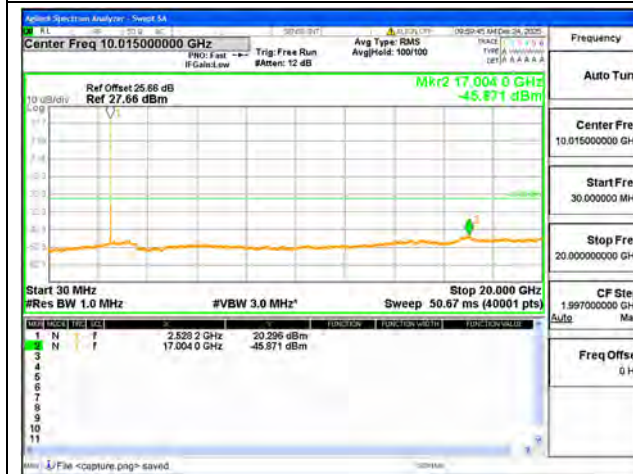
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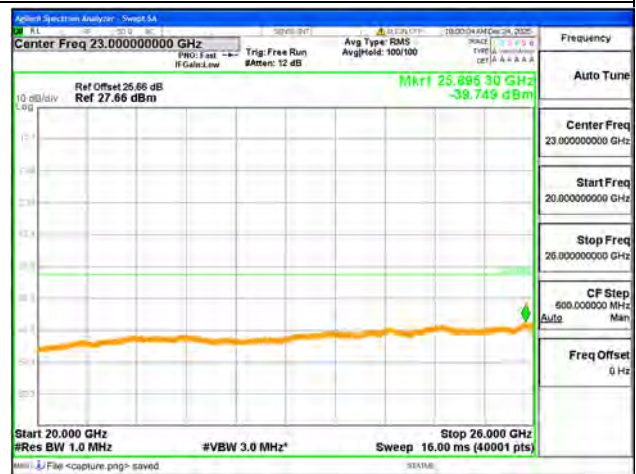
B7-30M-20G / 15MHz / Low CH / QPSK



B7-20G-26G / 15MHz / Low CH / QPSK



B7-30M-20G / 15MHz / Mid CH / QPSK



B7-20G-26G / 15MHz / Mid CH / QPSK



B7-30M-20G / 15MHz / High CH / QPSK



B7-20G-26G / 15MHz / High CH / QPSK



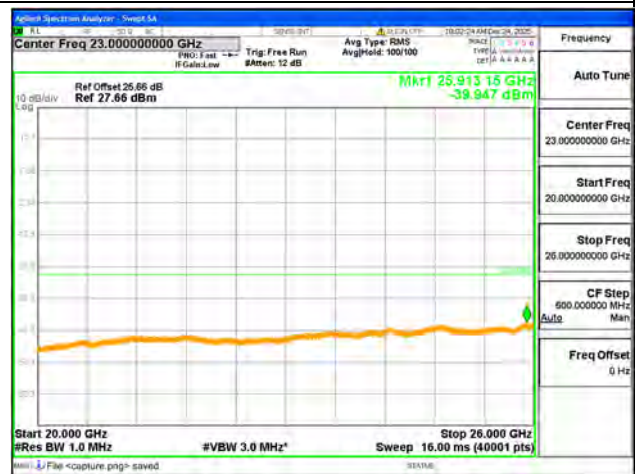
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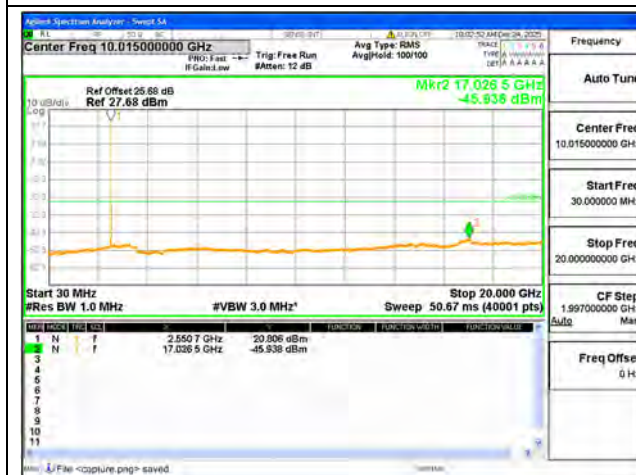
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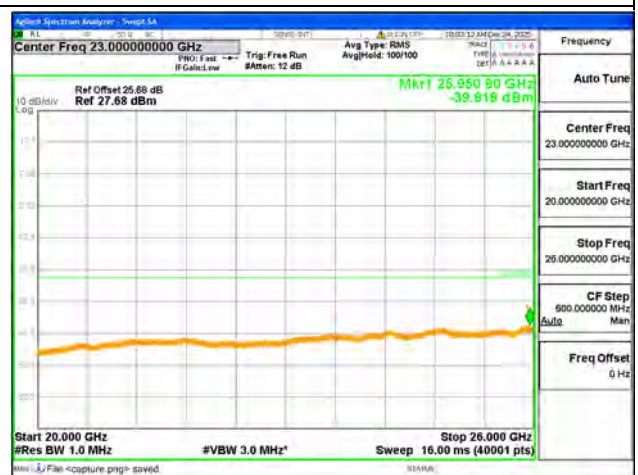
B7-30M-20G / 20MHz / Mid CH / QPSK



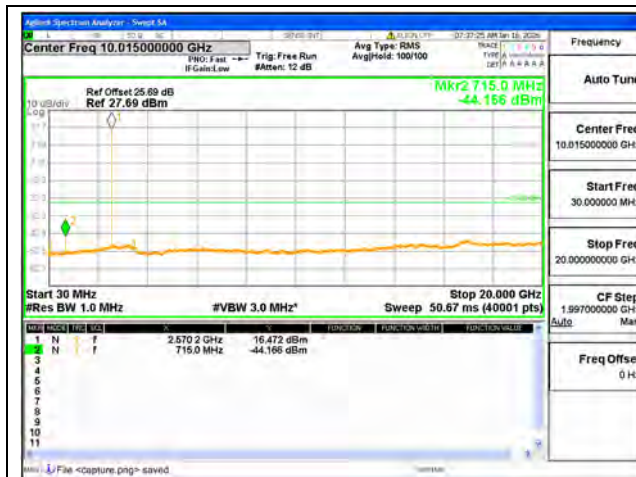
B7-20G-26G / 20MHz / Mid CH / QPSK



B7-30M-20G / 20MHz / High CH / QPSK



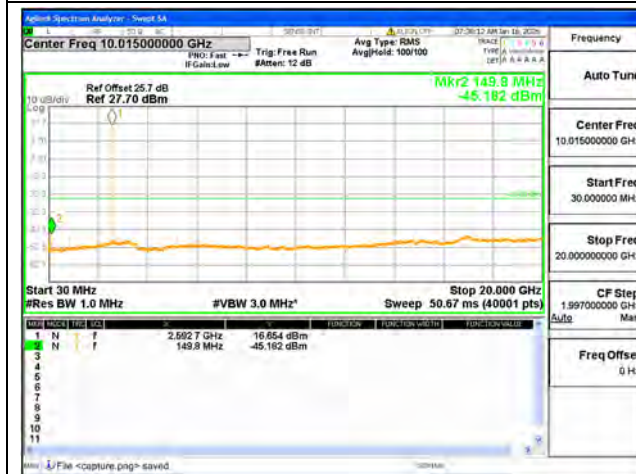
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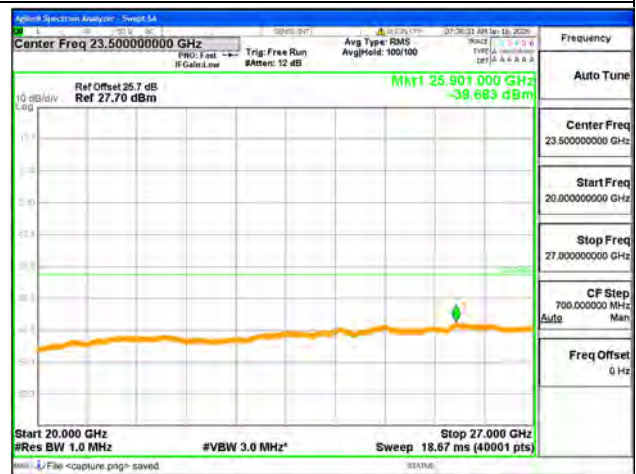
B38-30M-20G / 5MHz / Low CH / QPSK



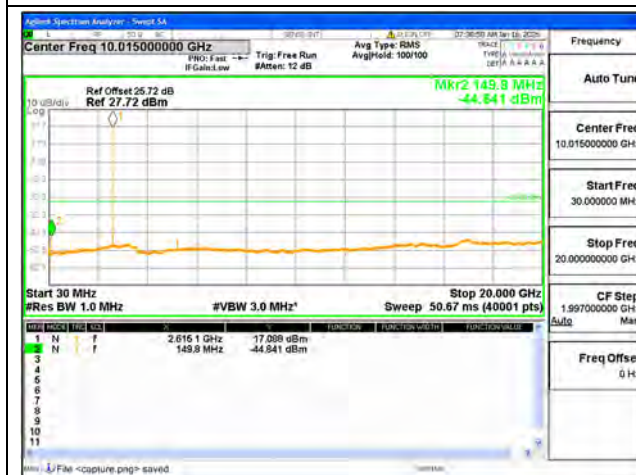
B38-20G-27G / 5MHz / Low CH / QPSK



B38-30M-20G / 5MHz / Mid CH / QPSK



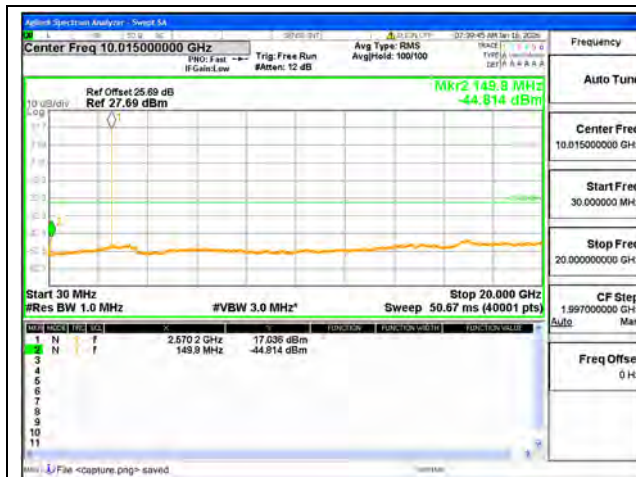
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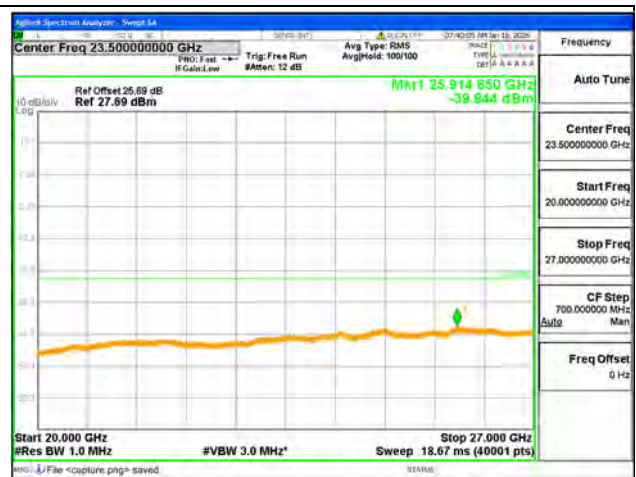
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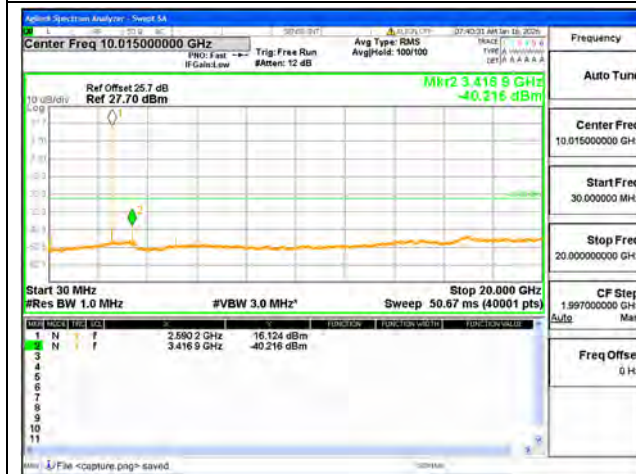
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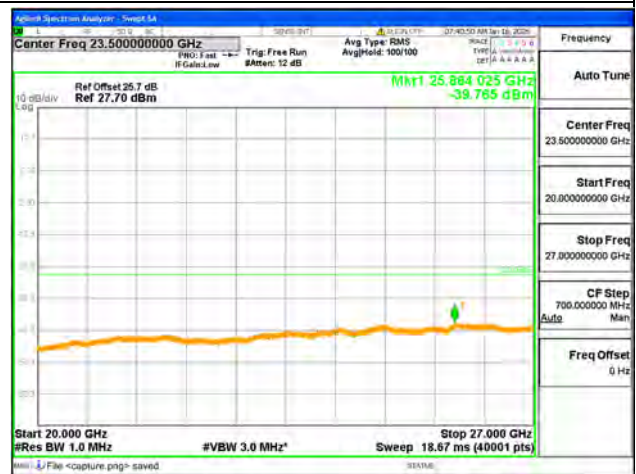
B38-30M-20G / 10MHz / Low CH / QPSK



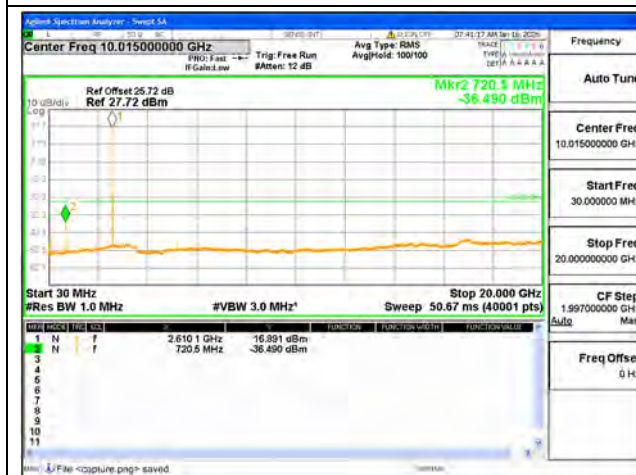
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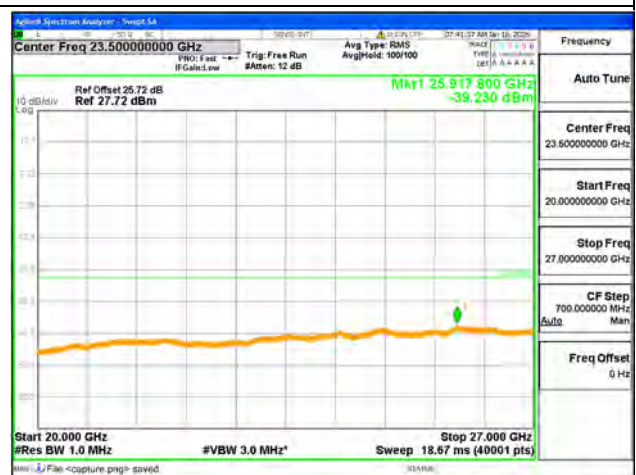
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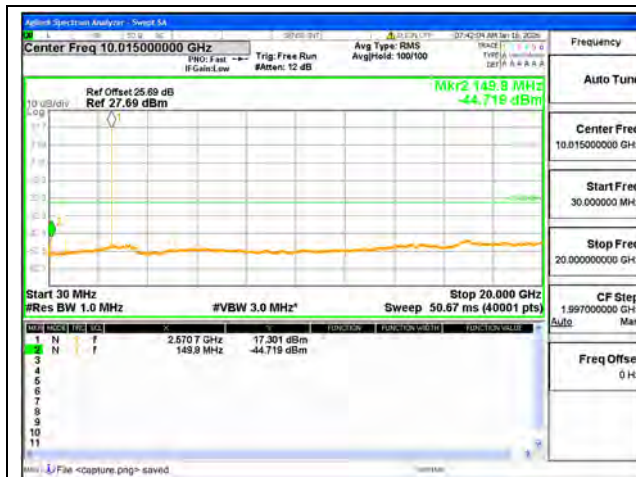
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B38-30M-20G / 10MHz / High CH / QPSK



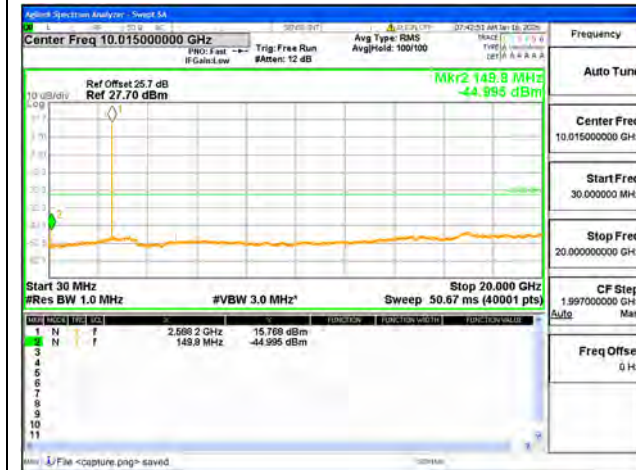
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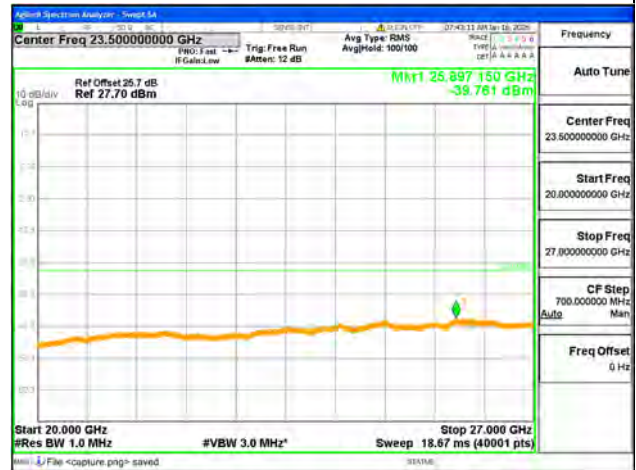
B38-30M-20G / 15MHz / Low CH / QPSK



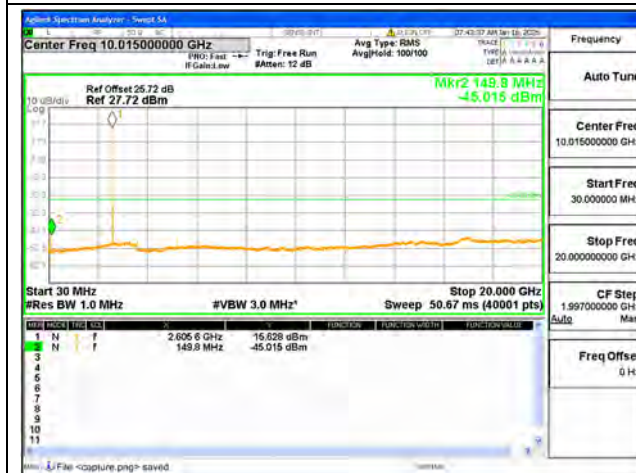
B38-20G-27G / 15MHz / Low CH / QPSK



B38-30M-20G / 15MHz / Mid CH / QPSK



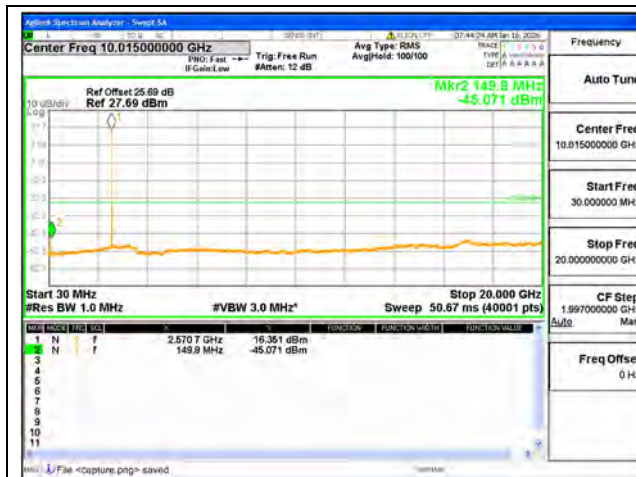
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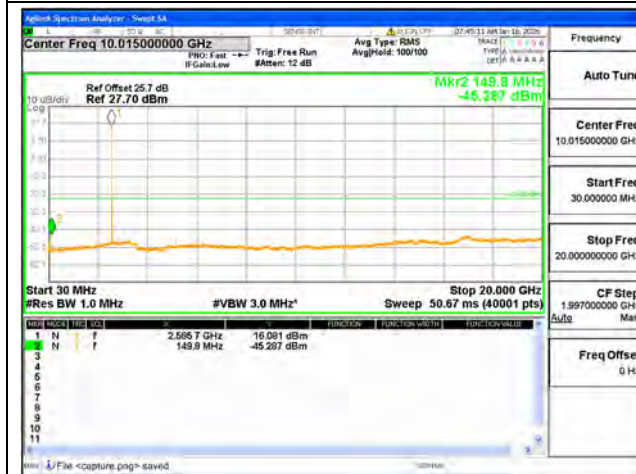
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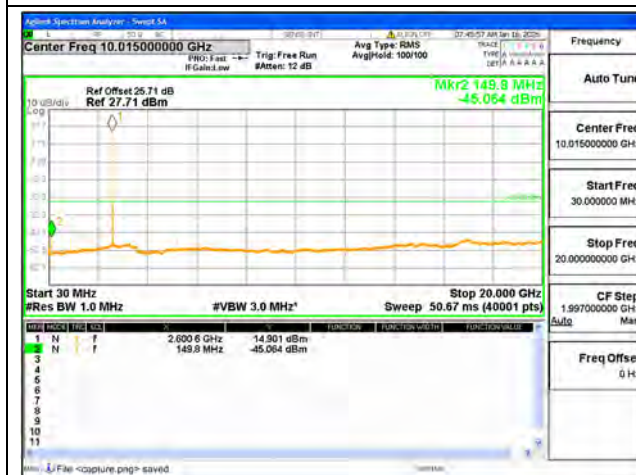
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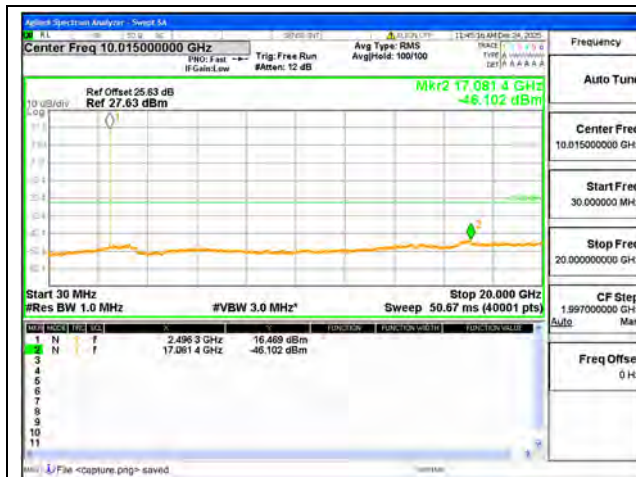
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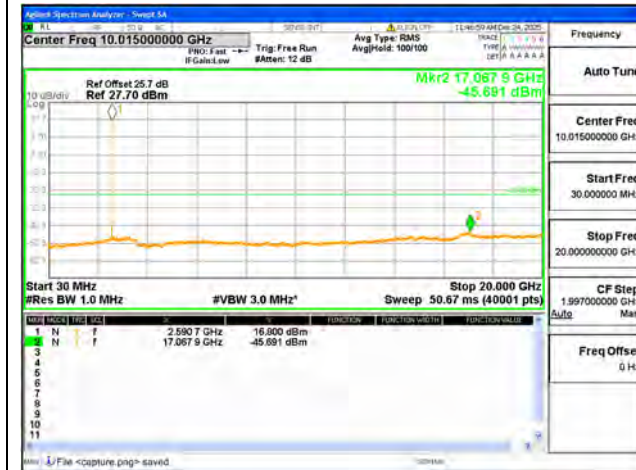
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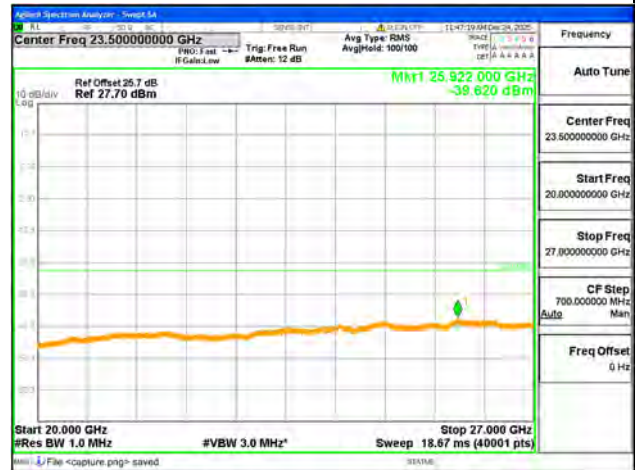
B41-30M-20G / 5MHz / Low CH / QPSK



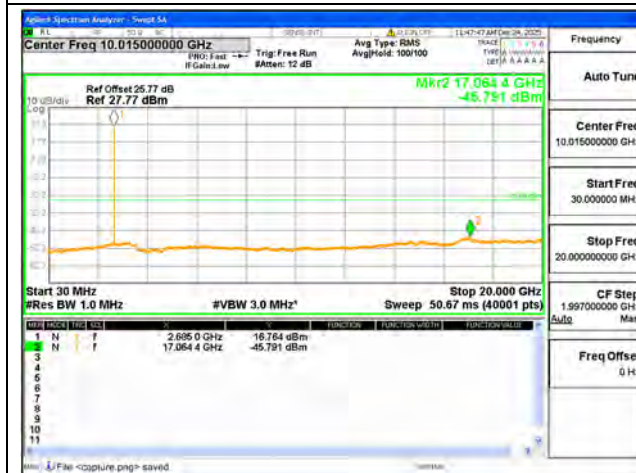
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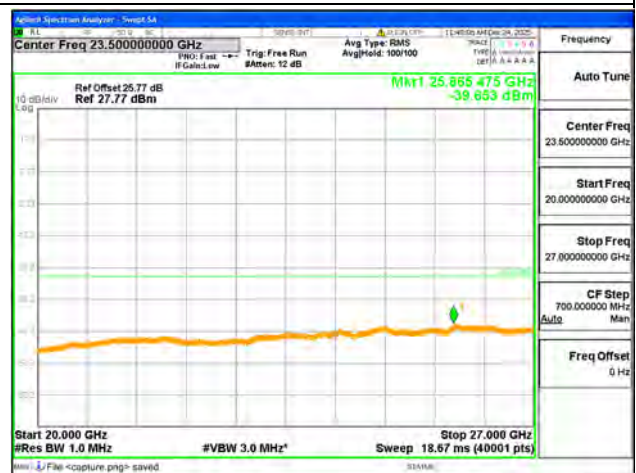
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B41-20G-27G / 5MHz / Mid CH / QPSK



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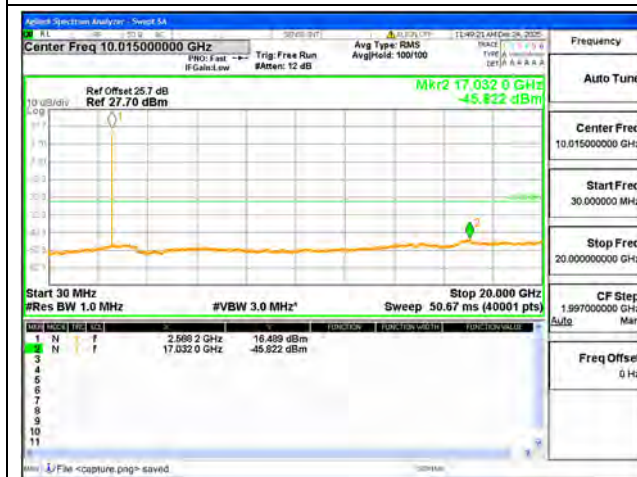
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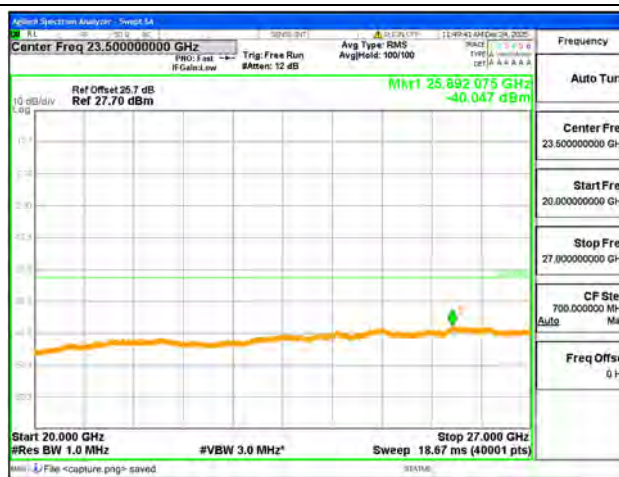
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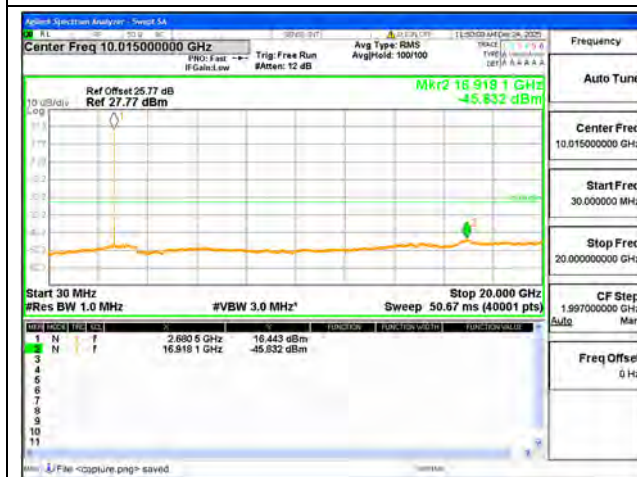
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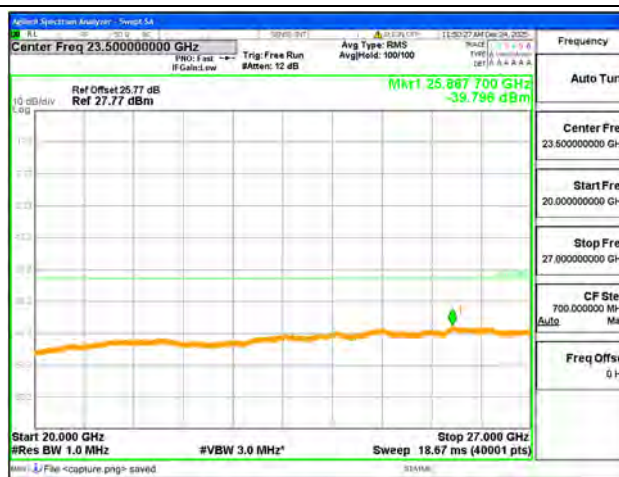
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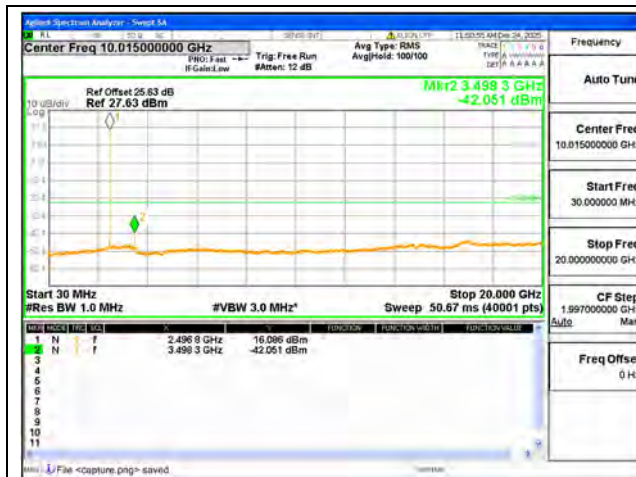
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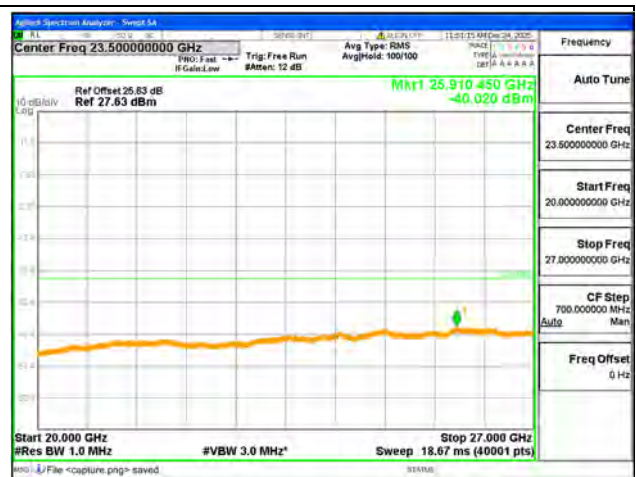
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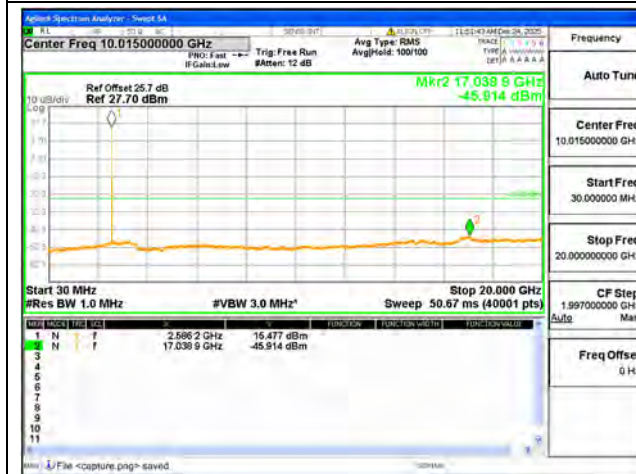
B41-20G-27G / 10MHz / High CH / QPSK



B41-30M-20G / 15MHz / Low CH / QPSK



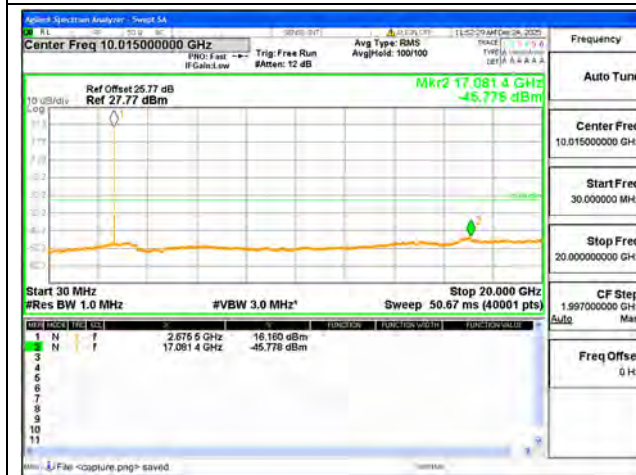
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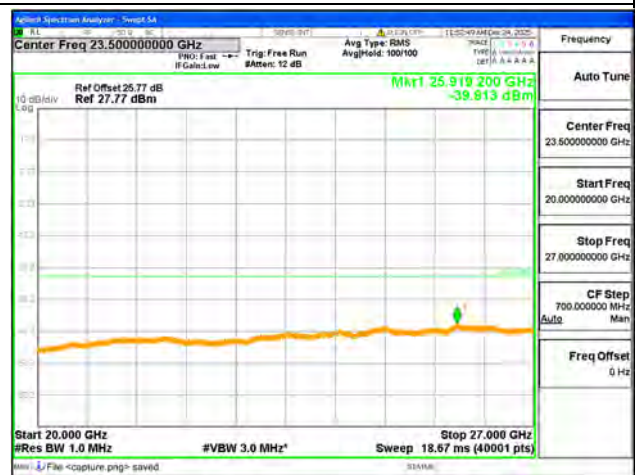
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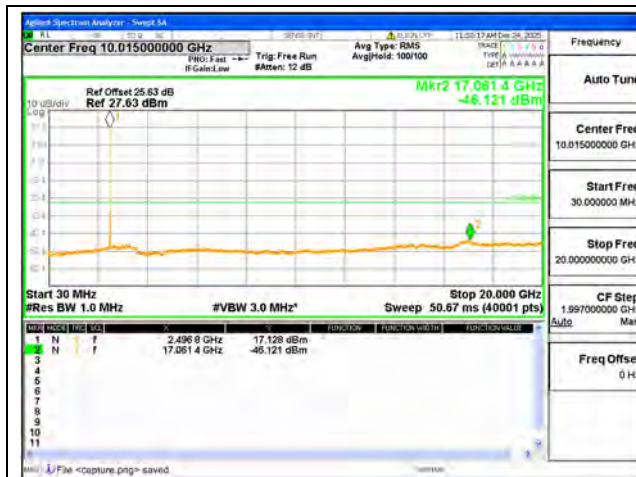
B41-20G-27G / 15MHz / Mid CH / QPSK



B41-30M-20G / 15MHz / High CH / QPSK



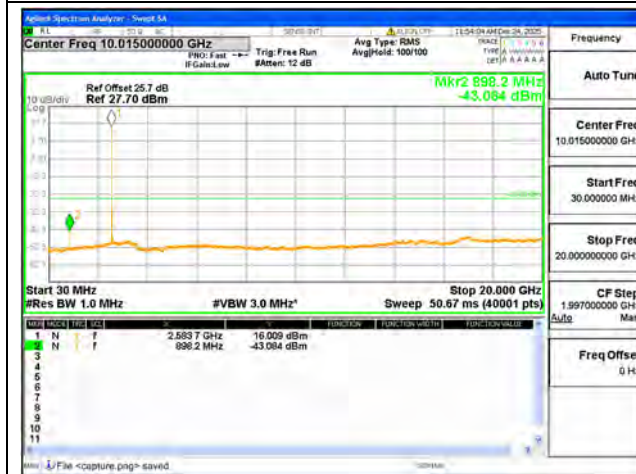
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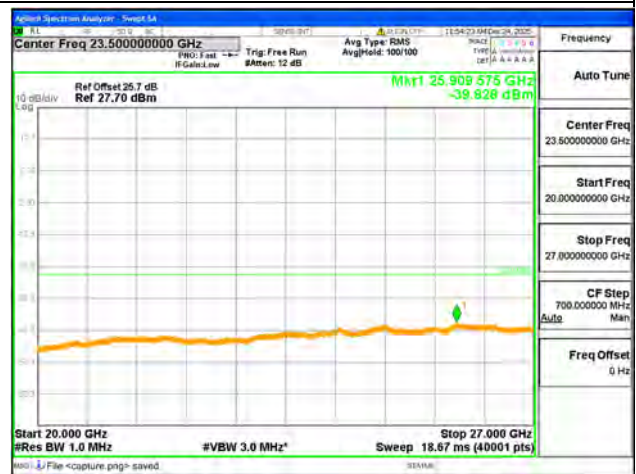
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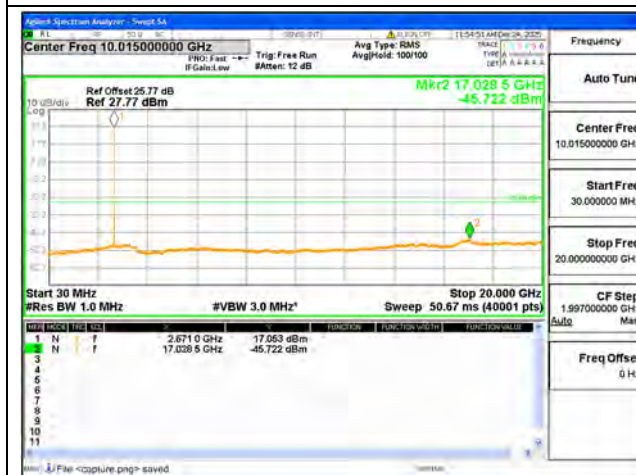
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B41-30M-20G / 20MHz / Mid CH / QPSK



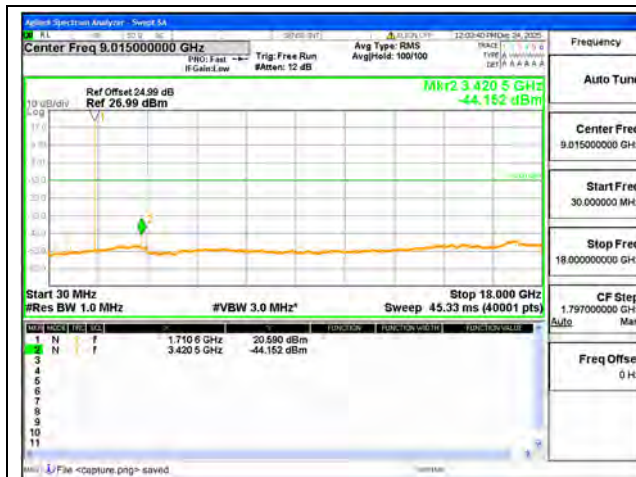
B41-20G-27G / 20MHz / Mid CH / QPSK



B41-30M-20G / 20MHz / High CH / QPSK



B41-20G-27G / 20MHz / High CH / QPSK



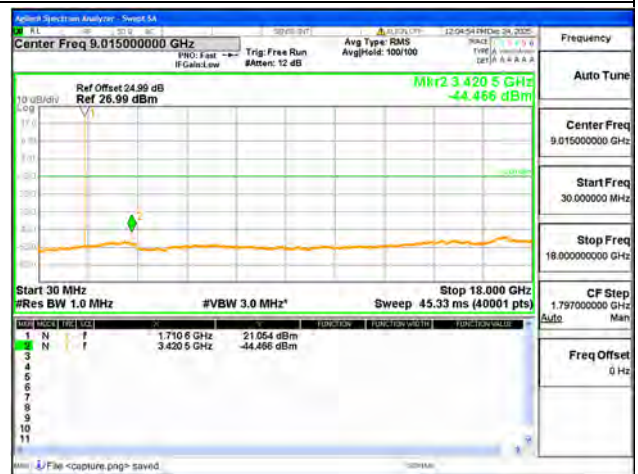
B66 / 1.4MHz / Low CH / QPSK



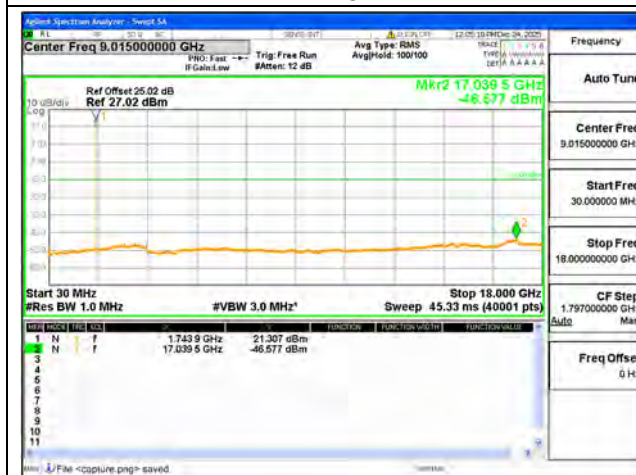
B66 / 1.4MHz / Mid CH / QPSK



B66 / 1.4MHz / High CH / QPSK



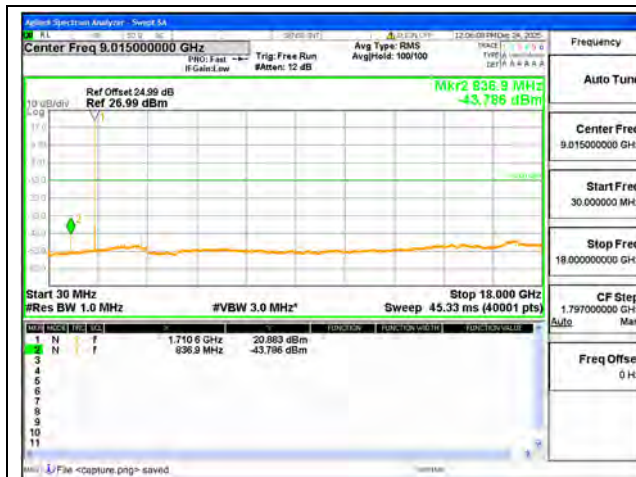
B66 / 3MHz / Low CH / QPSK



B66 / 3MHz / Mid CH / QPSK



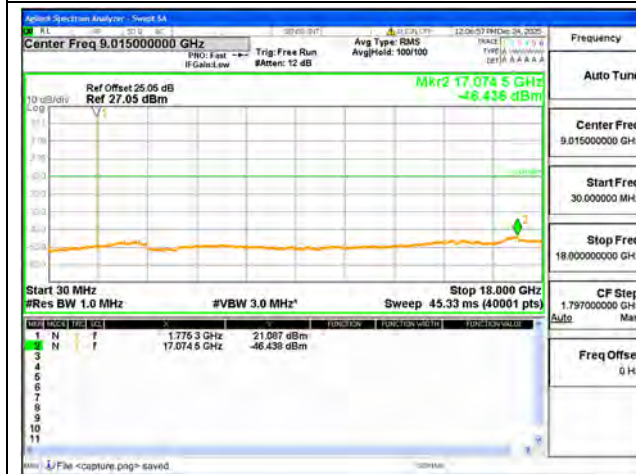
B66 / 3MHz / High CH / QPSK



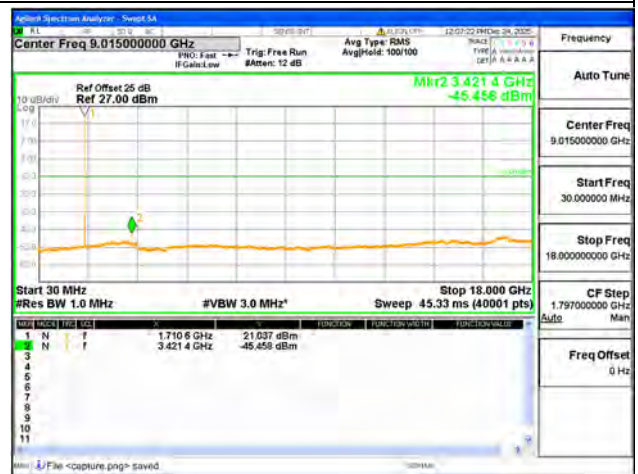
B66 / 5MHz / Low CH / QPSK



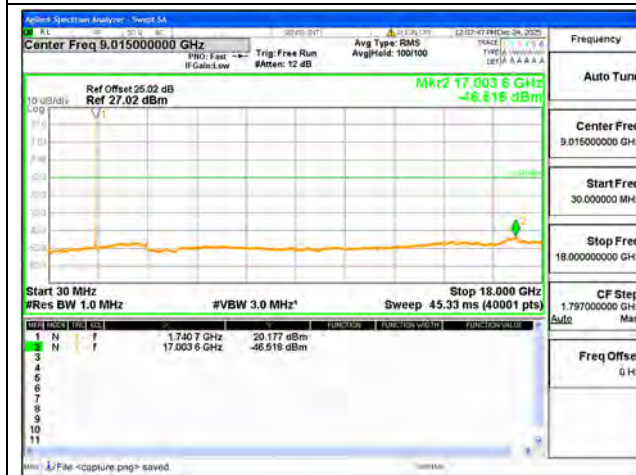
B66 / 5MHz / Mid CH / QPSK



B66 / 5MHz / High CH / QPSK



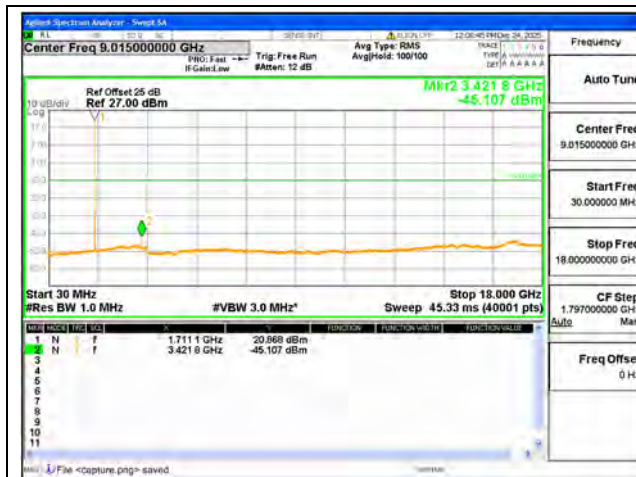
B66 / 10MHz / Low CH / QPSK



B66 / 10MHz / Mid CH / QPSK



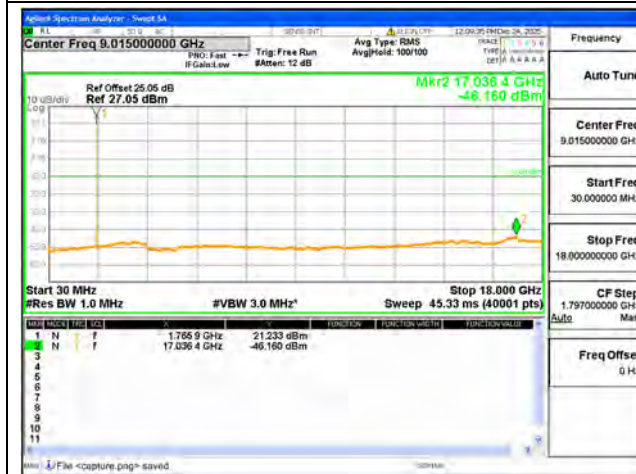
B66 / 10MHz / High CH / QPSK



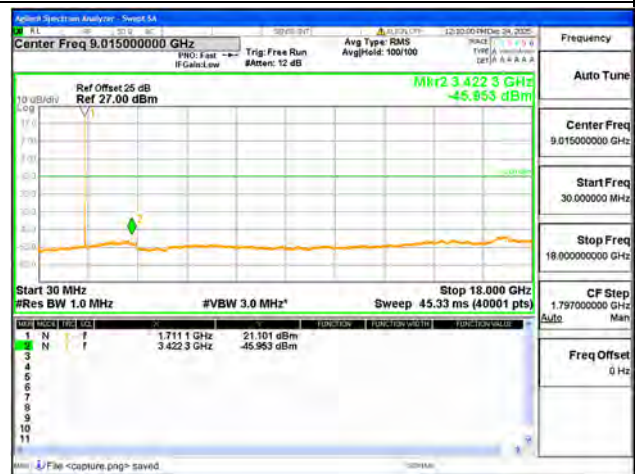
B66 / 15MHz / Low CH / QPSK



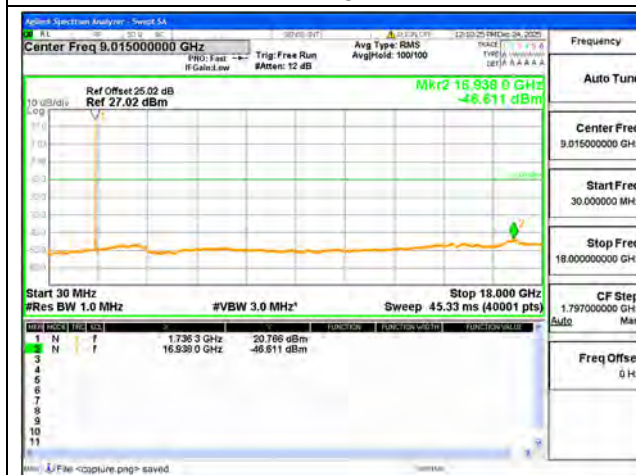
B66 / 15MHz / Mid CH / QPSK



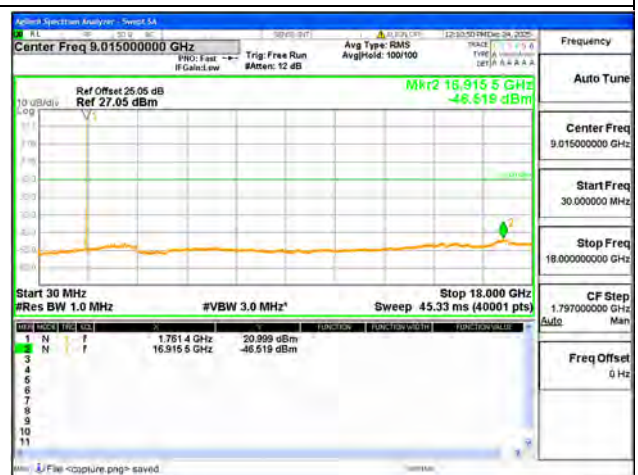
B66 / 15MHz / High CH / QPSK



B66 / 20MHz / Low CH / QPSK



B66 / 20MHz / Mid CH / QPSK



B66 / 20MHz / High CH / QPSK

2.6. Band Edge

2.6.1. Requirement

Band 2

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.

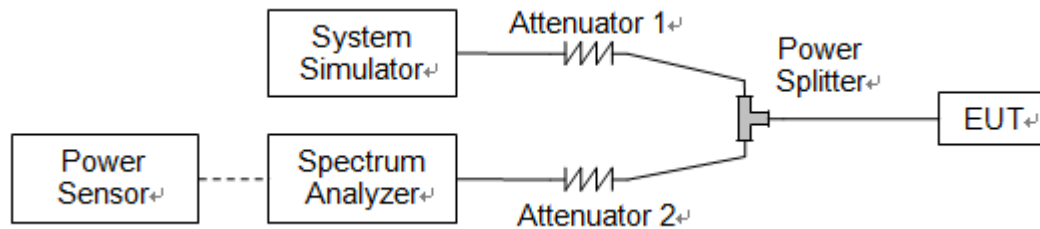
Band 5

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, 38, 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.

2.6.2. Test Description



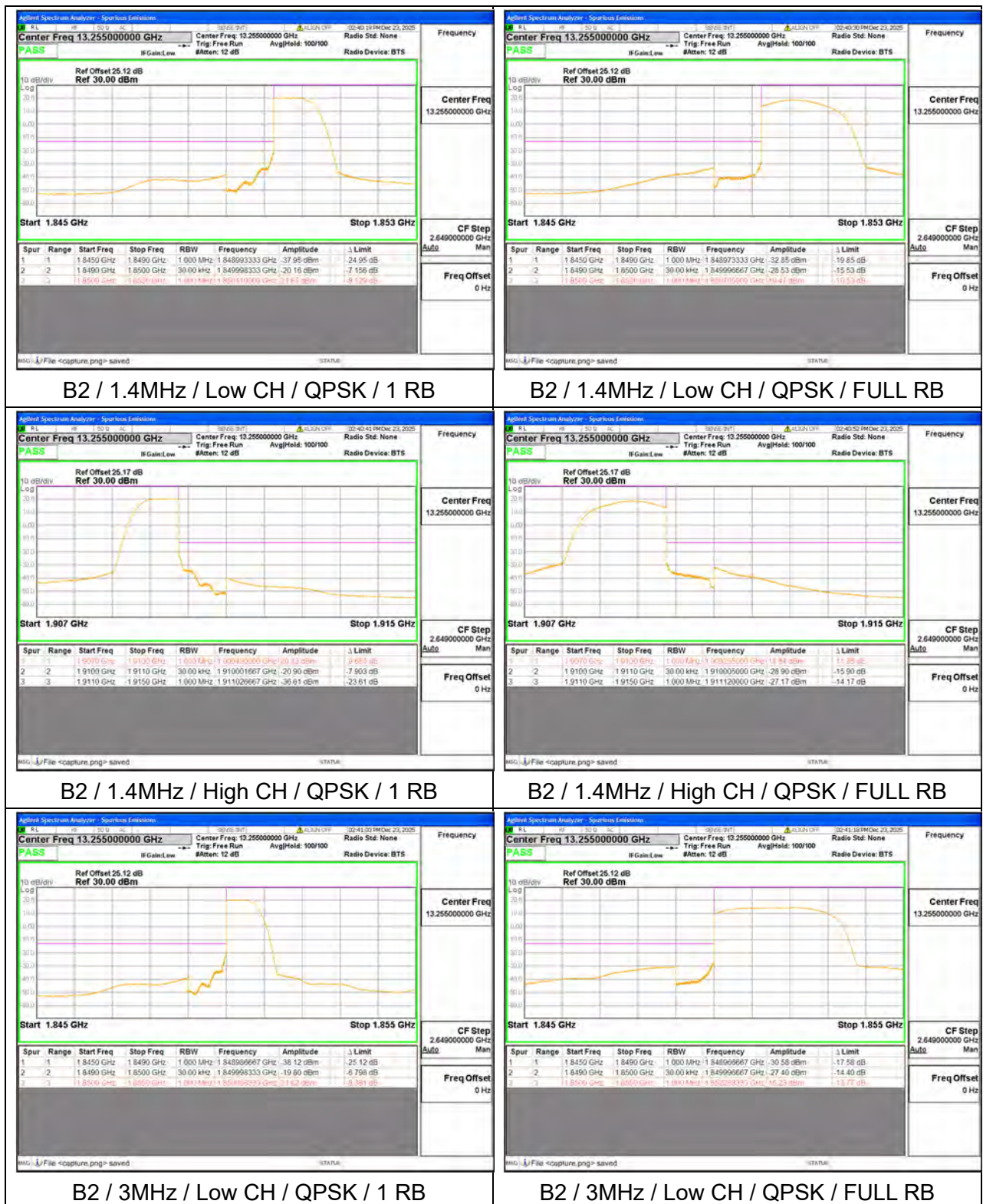
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

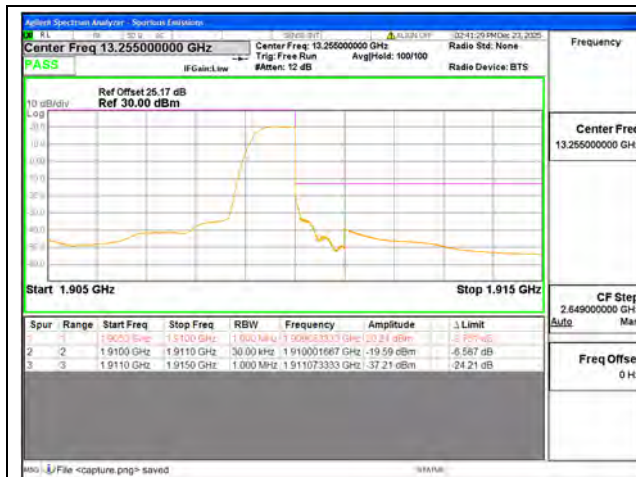
2.6.3. Test Procedure

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



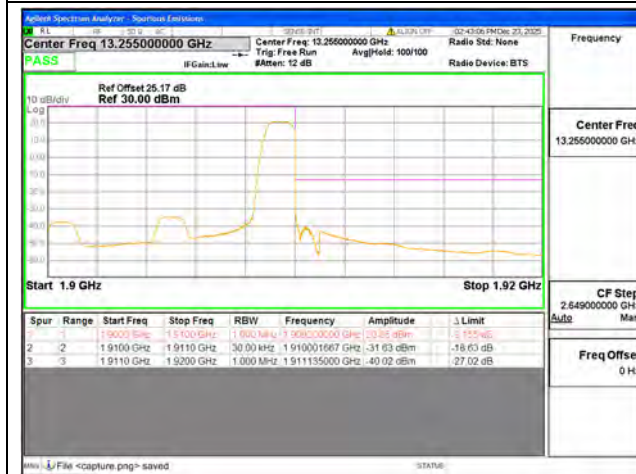
B2 / 5MHz / High CH / QPSK / FULL RB



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



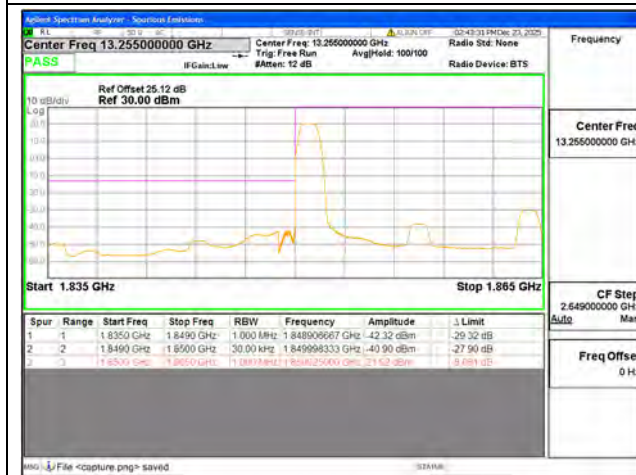
B2 / 10MHz / Low CH / QPSK / FULL RB



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



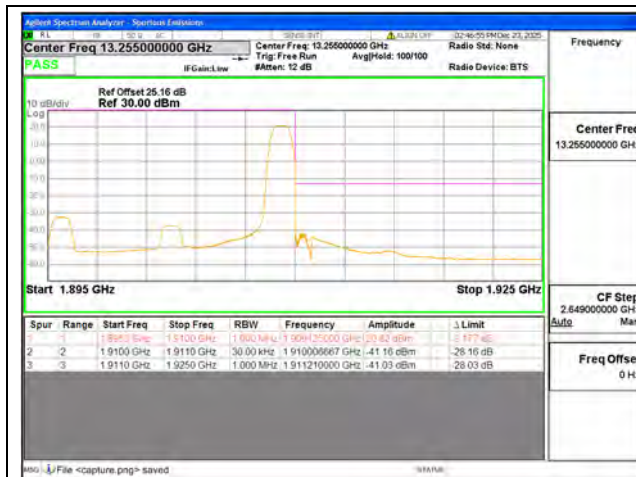
B2 / 10MHz / High CH / QPSK / FULL RB



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



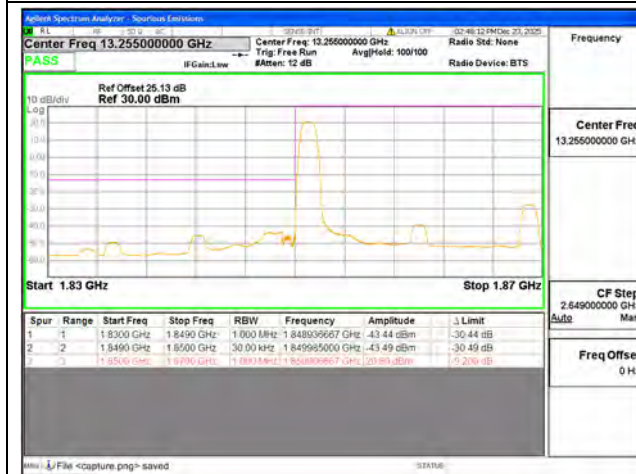
B2 / 15MHz / Low CH / QPSK / FULL RB



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



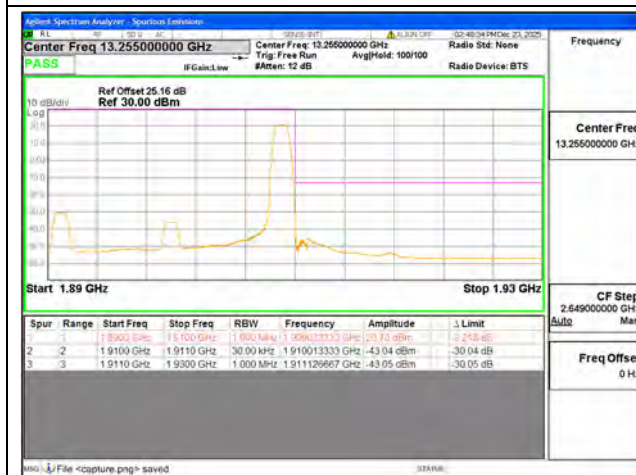
B2 / 15MHz / High CH / QPSK / FULL RB



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



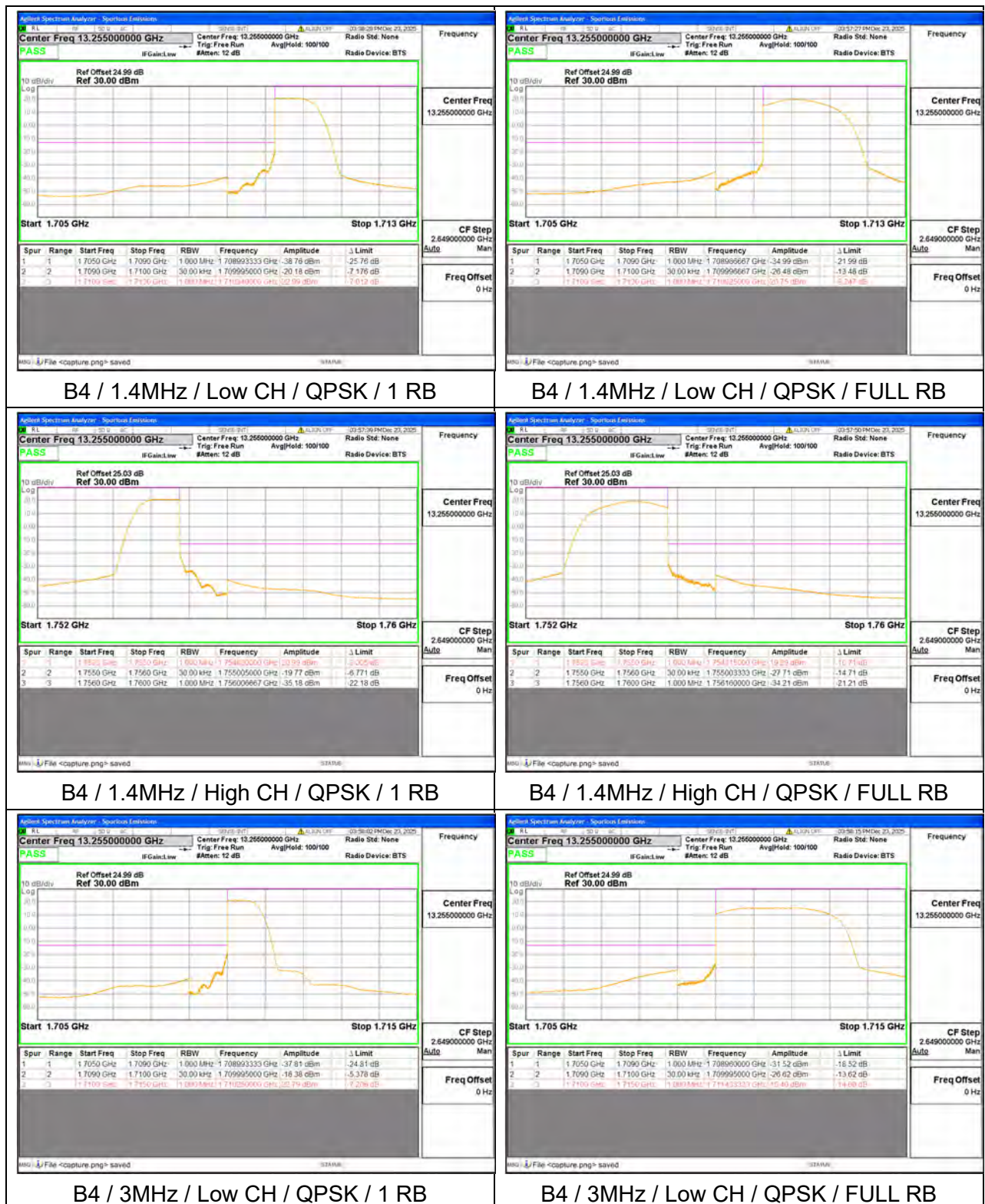
B2 / 20MHz / Low CH / QPSK / FULL RB

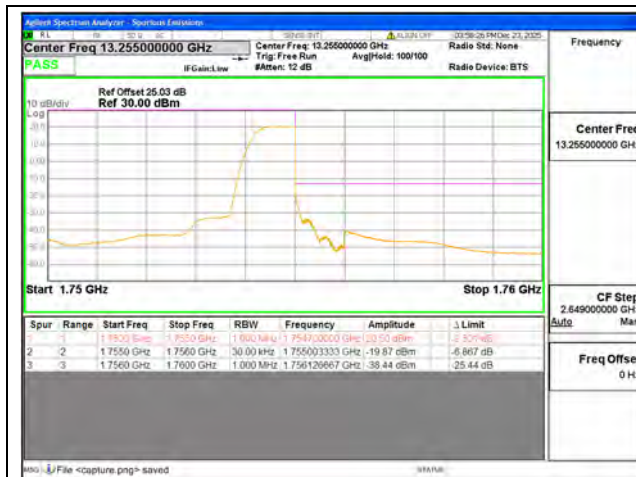


B2 / 20MHz / High CH / QPSK / 1 RB



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

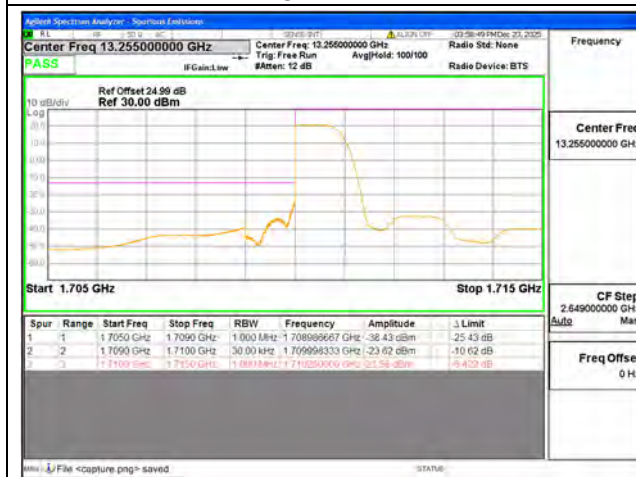




B4 / 3MHz / High CH / QPSK / 1 RB



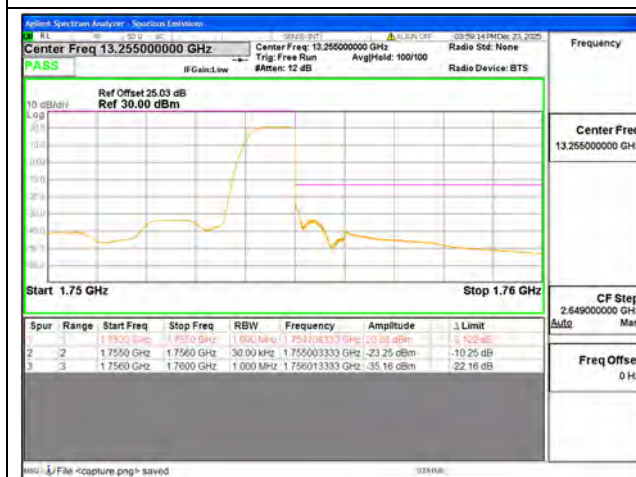
B4 / 3MHz / High CH / QPSK / FULL RB



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



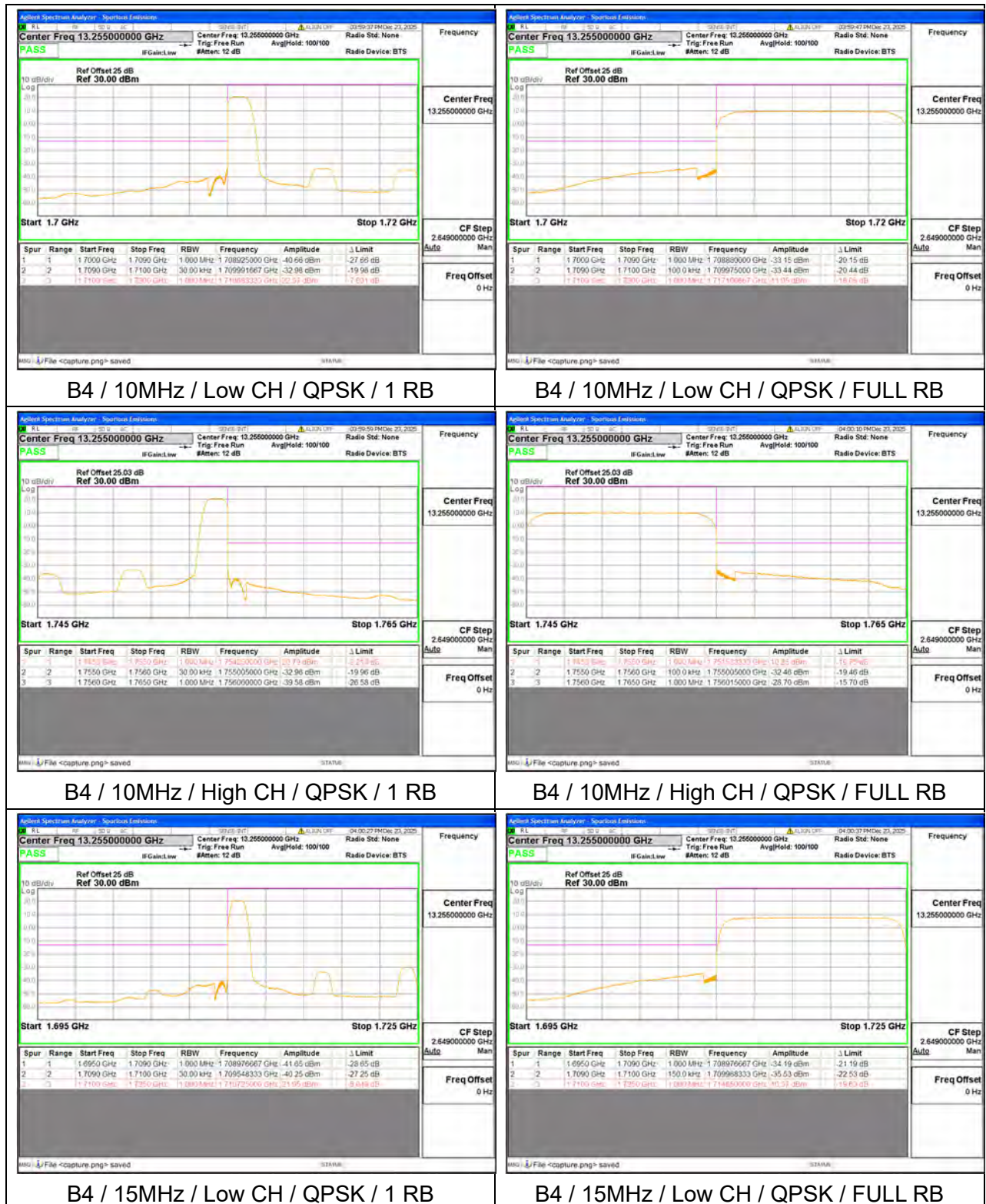
B4 / 5MHz / Low CH / QPSK / FULL RB

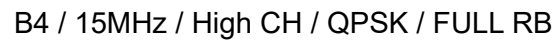
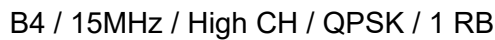


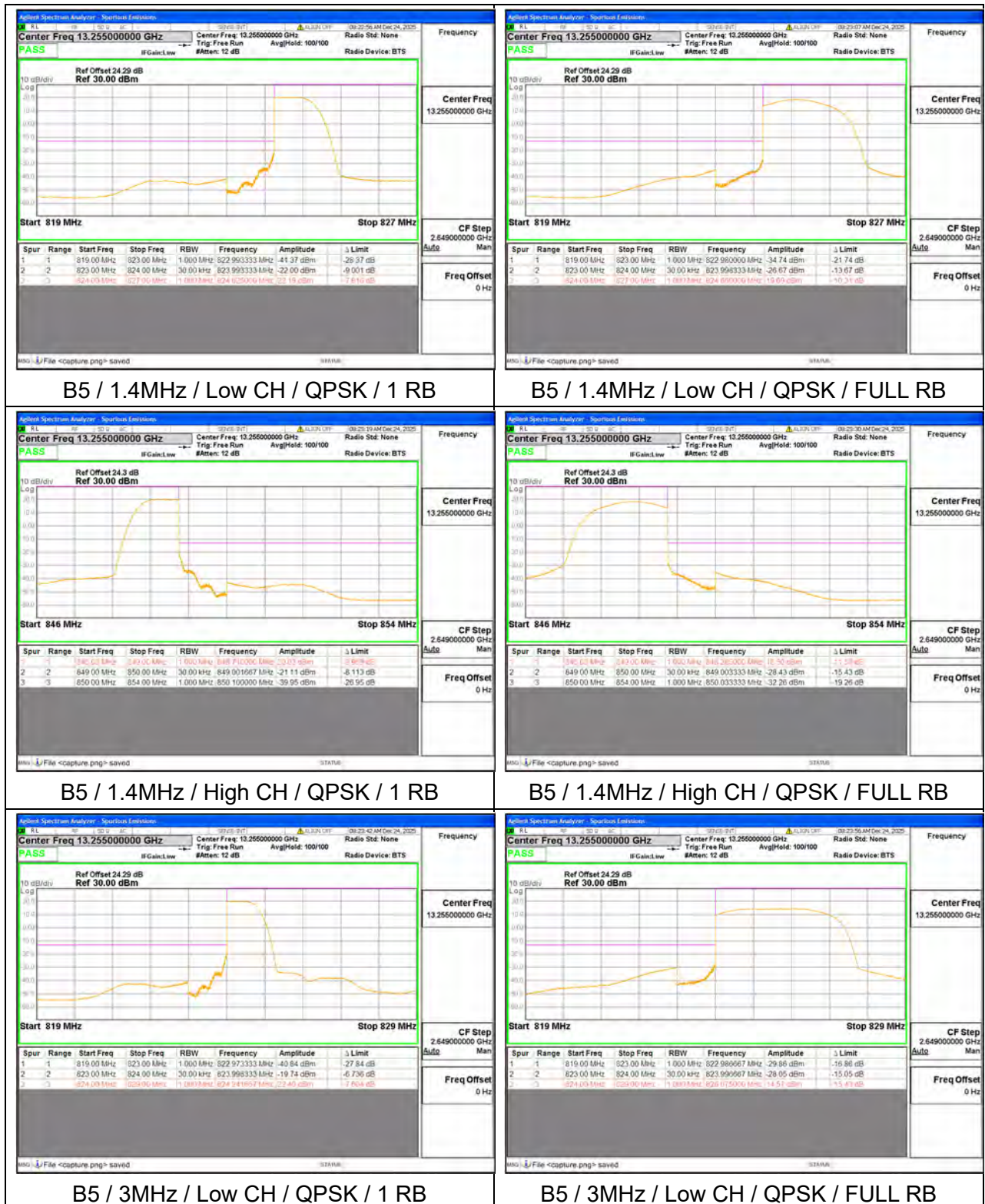
B4 / 5MHz / High CH / QPSK / 1 RB

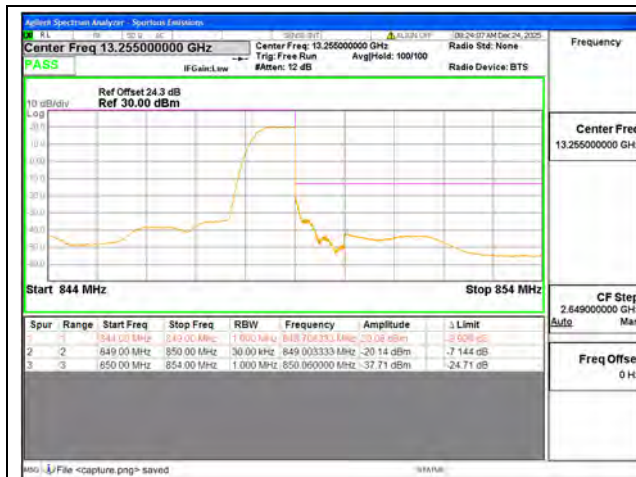


B4 / 5MHz / High CH / QPSK / FULL RB









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

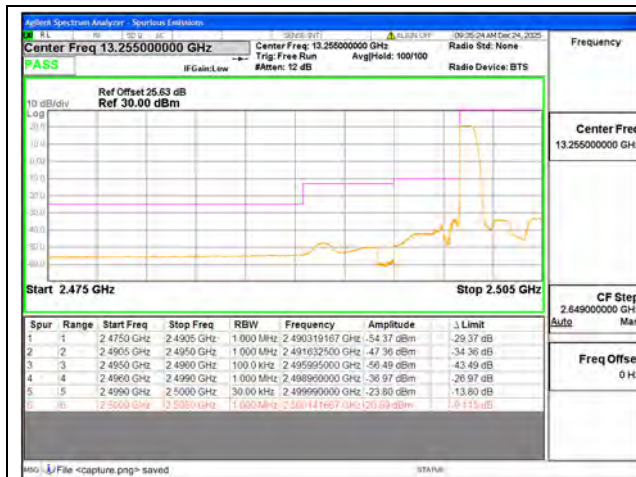


B5 / 5MHz / High CH / QPSK / 1 RB

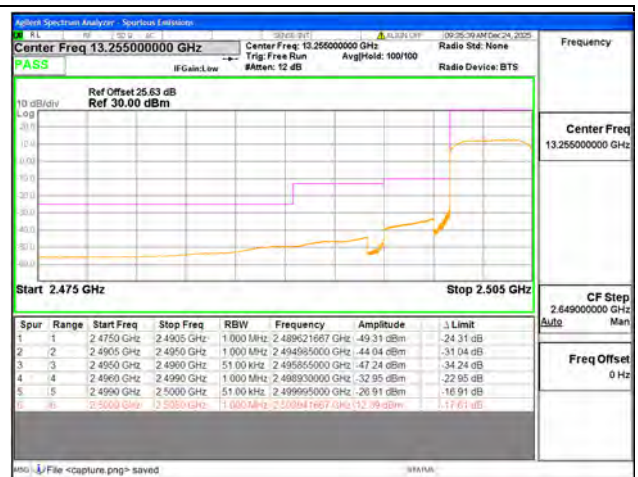


B5 / 5MHz / High CH / QPSK / FULL RB





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



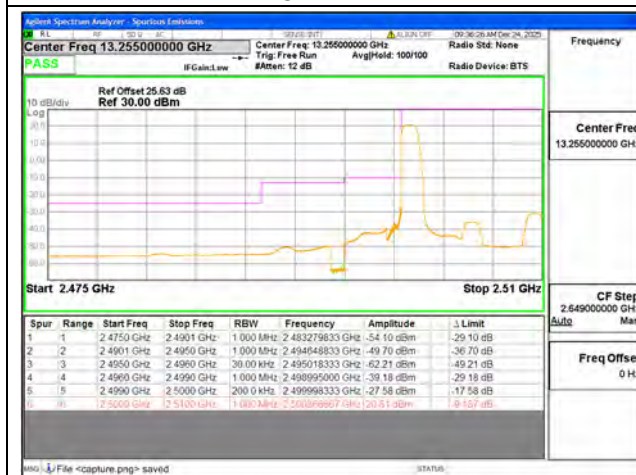
B7 / 5MHz / Low CH / QPSK / FULL RB



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



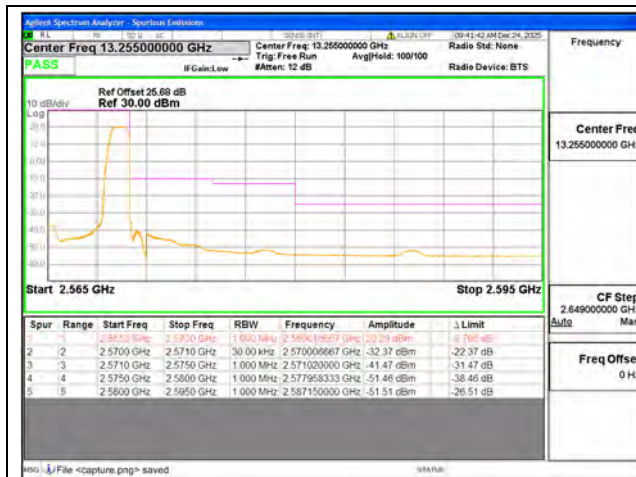
B7 / 5MHz / High CH / QPSK / FULL RB



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



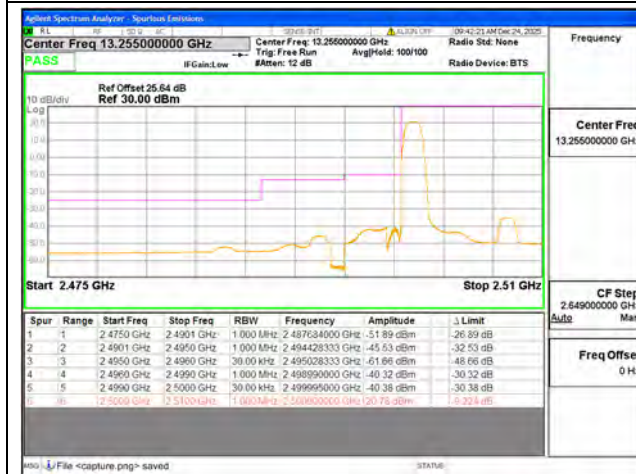
B7 / 10MHz / Low CH / QPSK / FULL RB



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

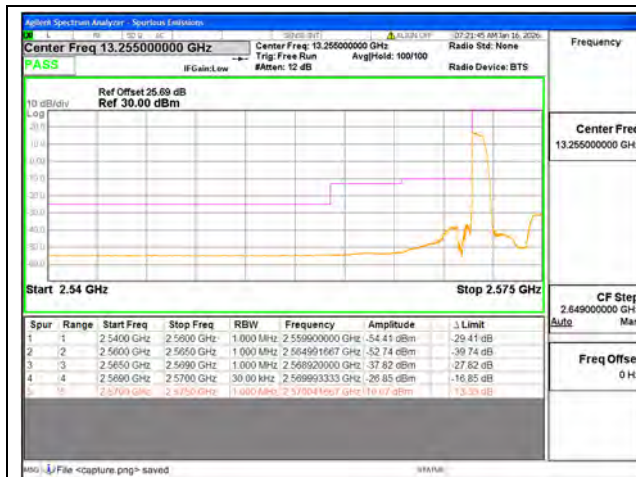


B7 / 15MHz / High CH / QPSK / 1 RB

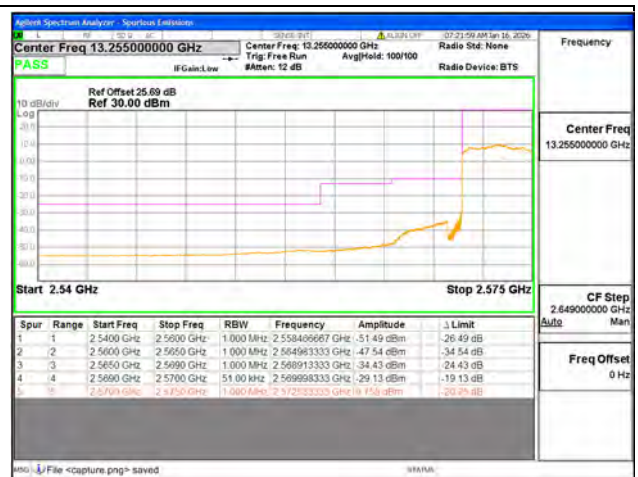


B7 / 15MHz / High CH / QPSK / FULL RB

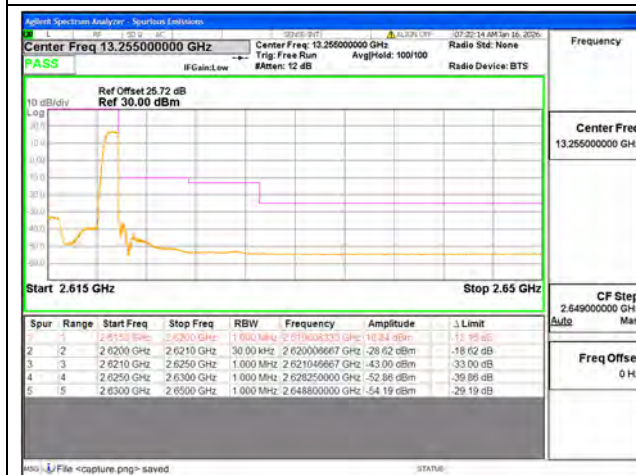




B38 / 5MHz / Low CH / QPSK / 1 RB



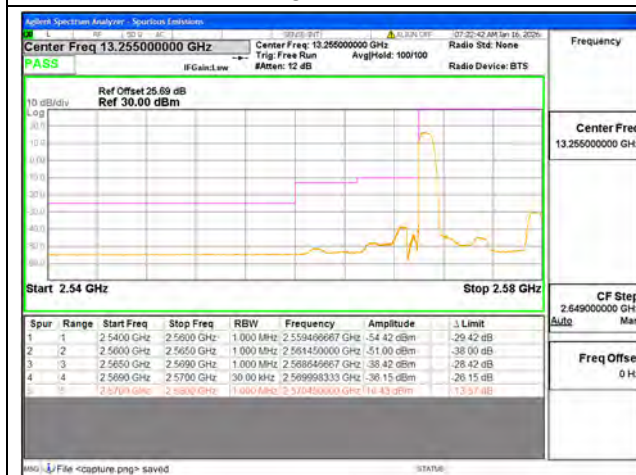
B38 / 5MHz / Low CH / QPSK / FULL RB



B38 / 5MHz / High CH / QPSK / 1 RB



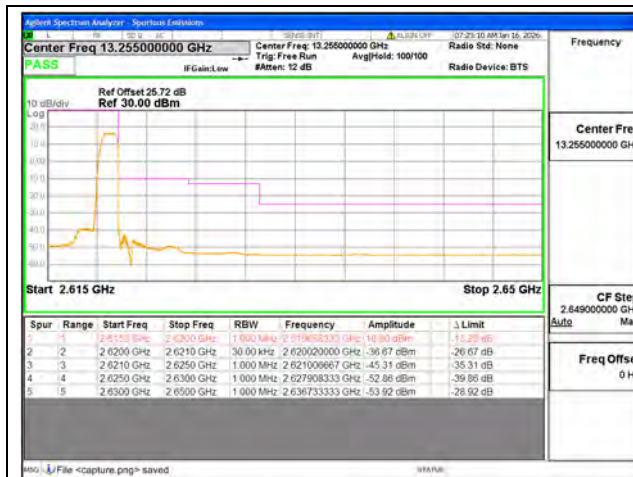
B38 / 5MHz / High CH / QPSK / FULL RB



B38 / 10MHz / Low CH / QPSK / 1 RB



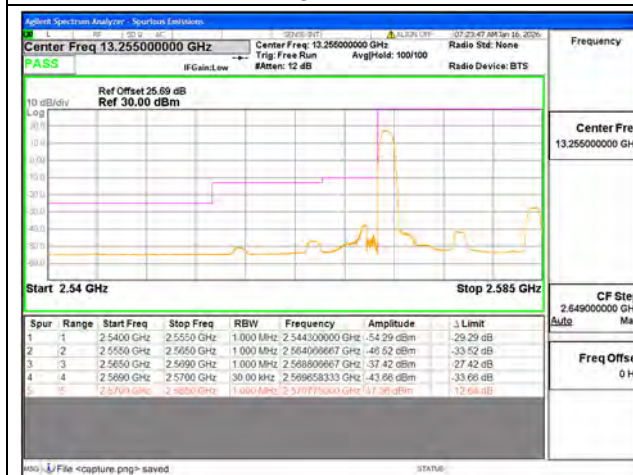
B38 / 10MHz / Low CH / QPSK / FULL RB



B38 / 10MHz / High CH / QPSK / 1 RB



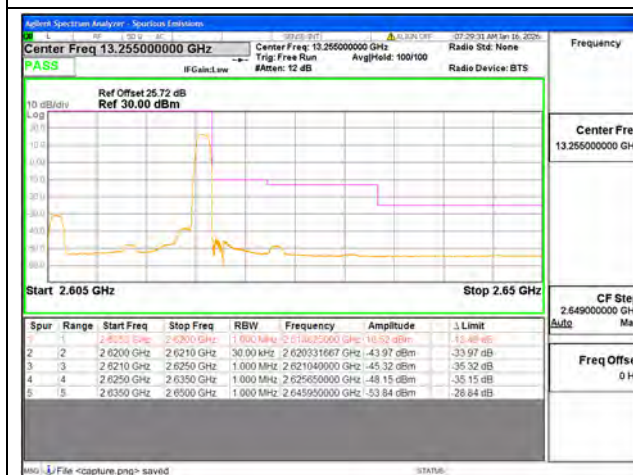
B38 / 10MHz / High CH / QPSK / FULL RB



B38 / 15MHz / Low CH / QPSK / 1 RB



B38 / 15MHz / Low CH / QPSK / FULL RB



B38 / 15MHz / High CH / QPSK / 1 RB



B38 / 15MHz / High CH / QPSK / FULL RB

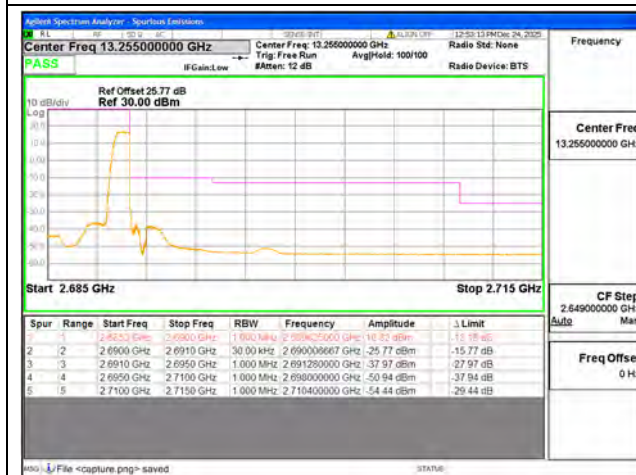




B41 / 5MHz / Low CH / QPSK / 1 RB



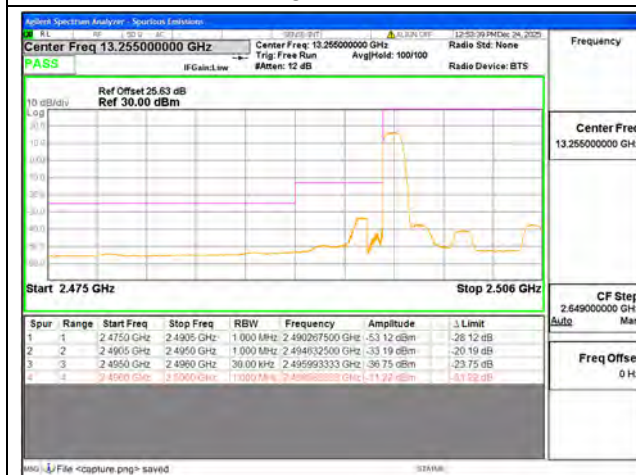
B41 / 5MHz / Low CH / QPSK / FULL RB



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



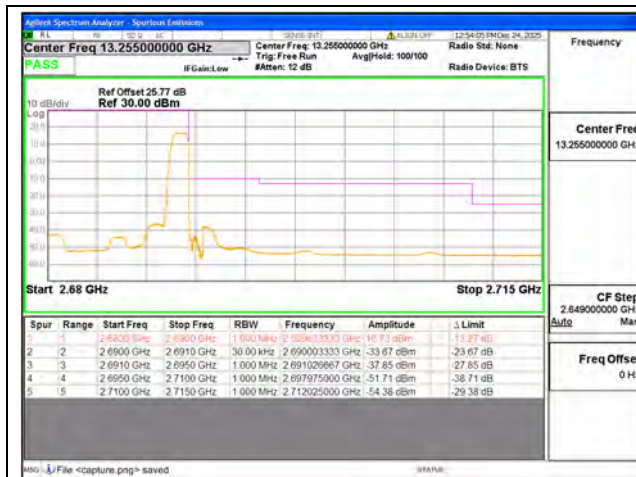
B41 / 5MHz / High CH / QPSK / FULL RB



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



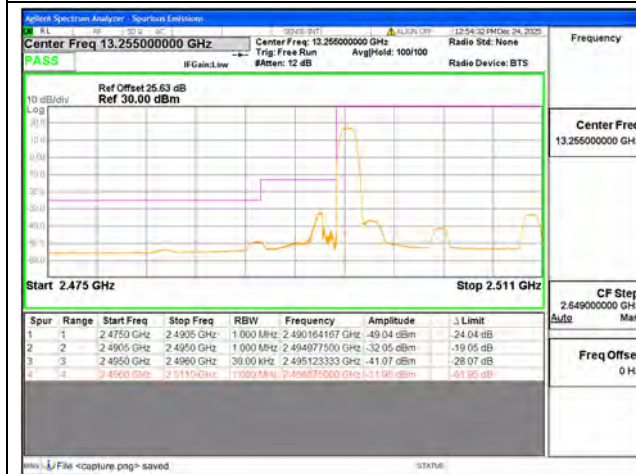
B41 / 10MHz / Low CH / QPSK / FULL RB



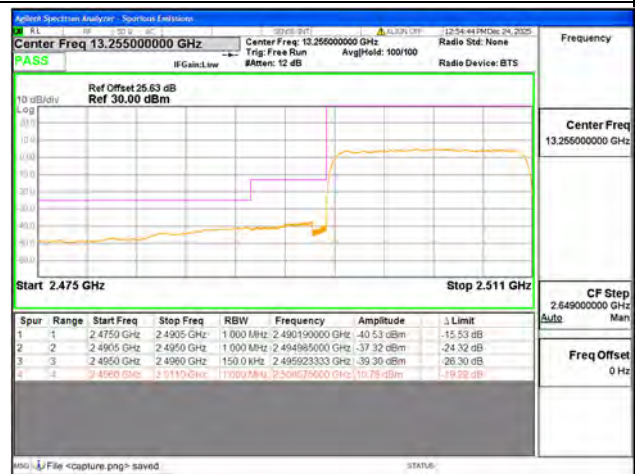
B41 / 10MHz / High CH / QPSK / 1 RB



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



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



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

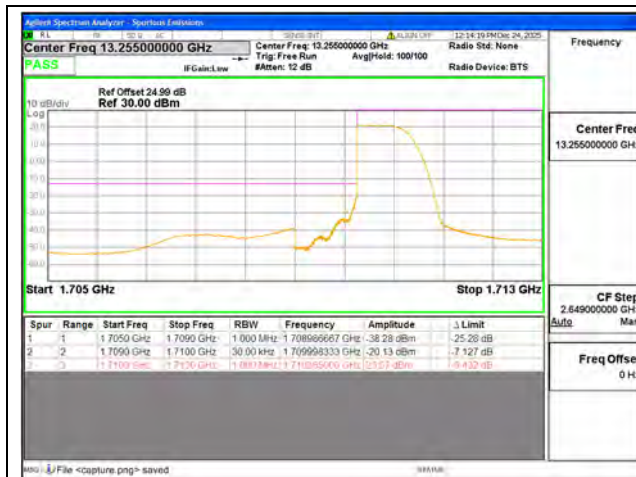


B41 / 15MHz / High CH / QPSK / 1 RB



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

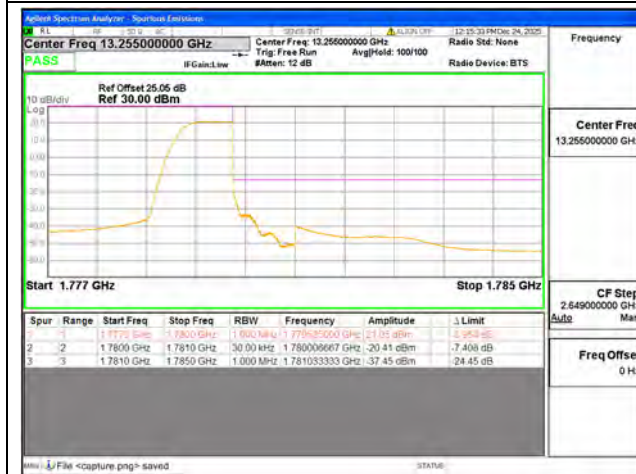




B66 / 1.4MHz / Low CH / QPSK / 1 RB



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



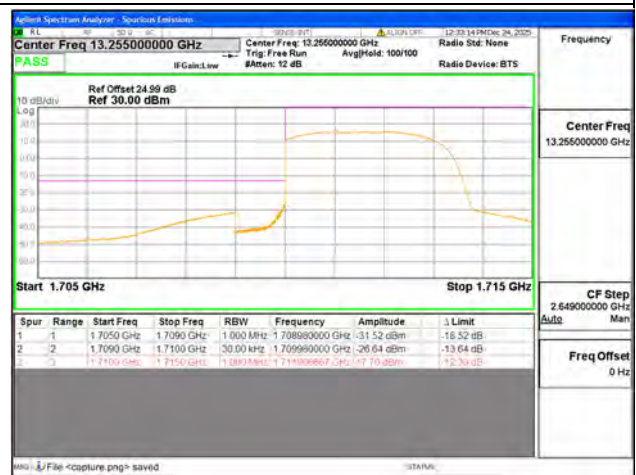
B66 / 1.4MHz / High CH / QPSK / 1 RB



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



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



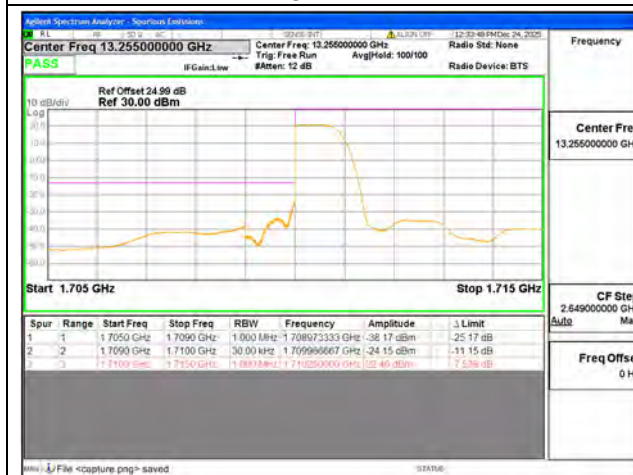
B66 / 3MHz / Low CH / QPSK / FULL RB



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



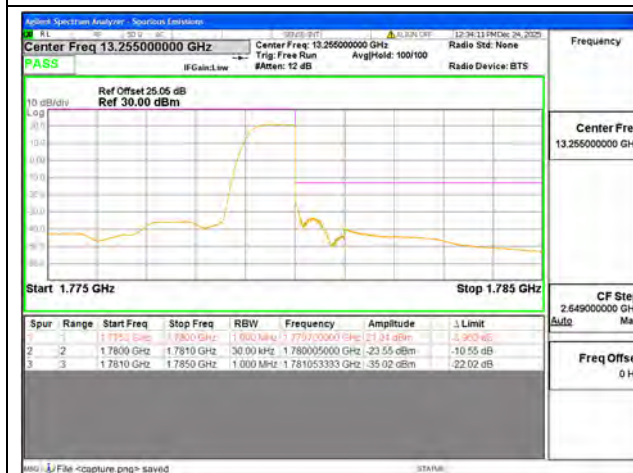
B66 / 3MHz / High CH / QPSK / FULL RB



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



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



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



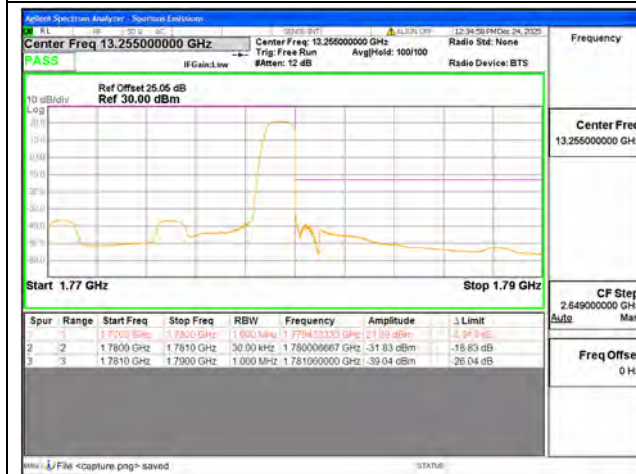
B66 / 5MHz / High CH / QPSK / FULL RB



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



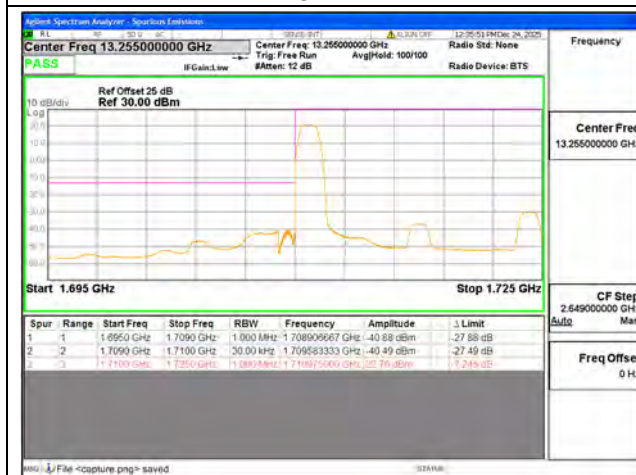
B66 / 10MHz / Low CH / QPSK / FULL RB



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



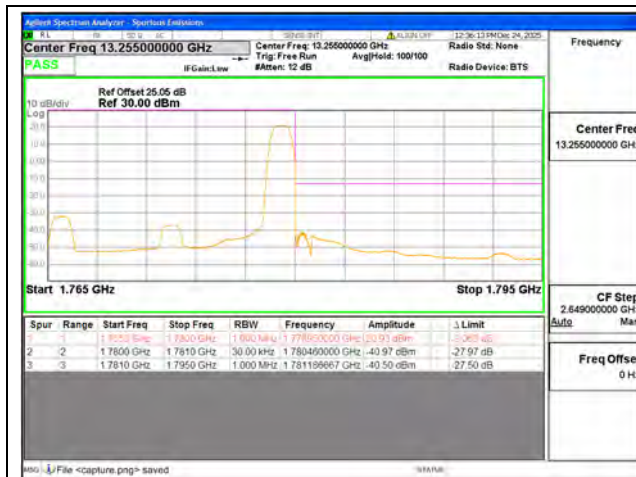
B66 / 10MHz / High CH / QPSK / FULL RB



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



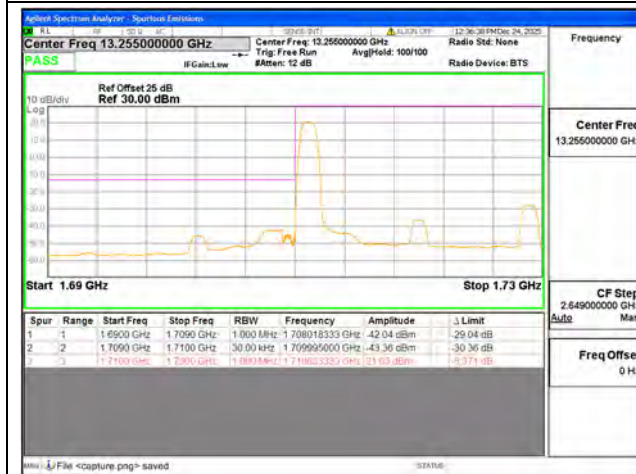
B66 / 15MHz / Low CH / QPSK / FULL RB



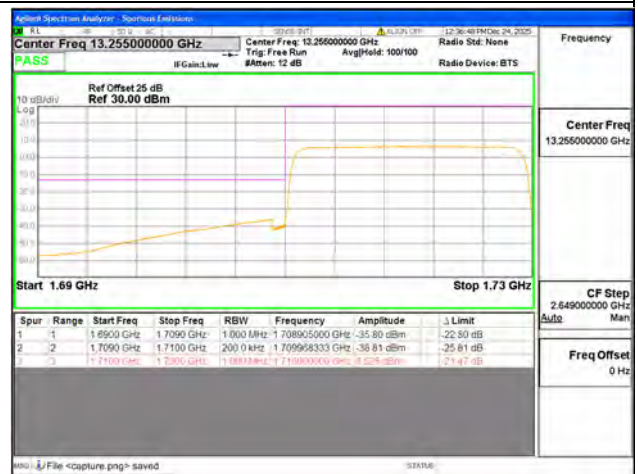
B66 / 15MHz / High CH / QPSK / 1 RB



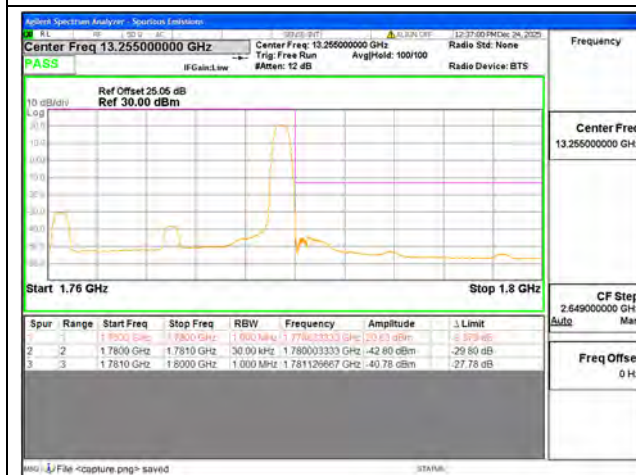
B66 / 15MHz / High CH / QPSK / FULL RB



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

2.7. Radiated Spurious Emissions

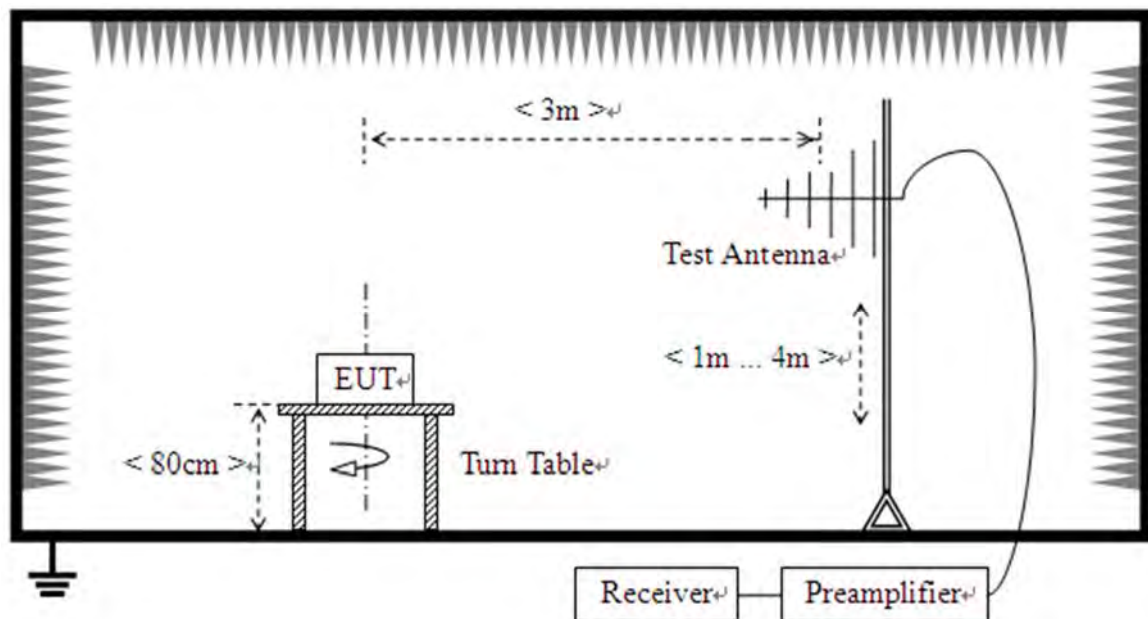
2.7.1. Requirement

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.

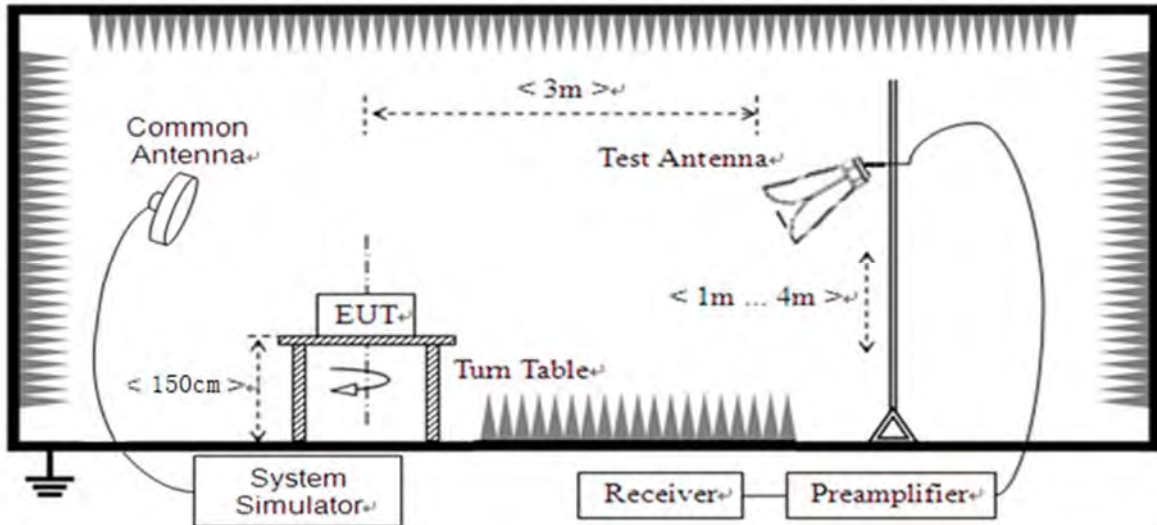
Additional requirement for LTE Band 7, 41

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.

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.

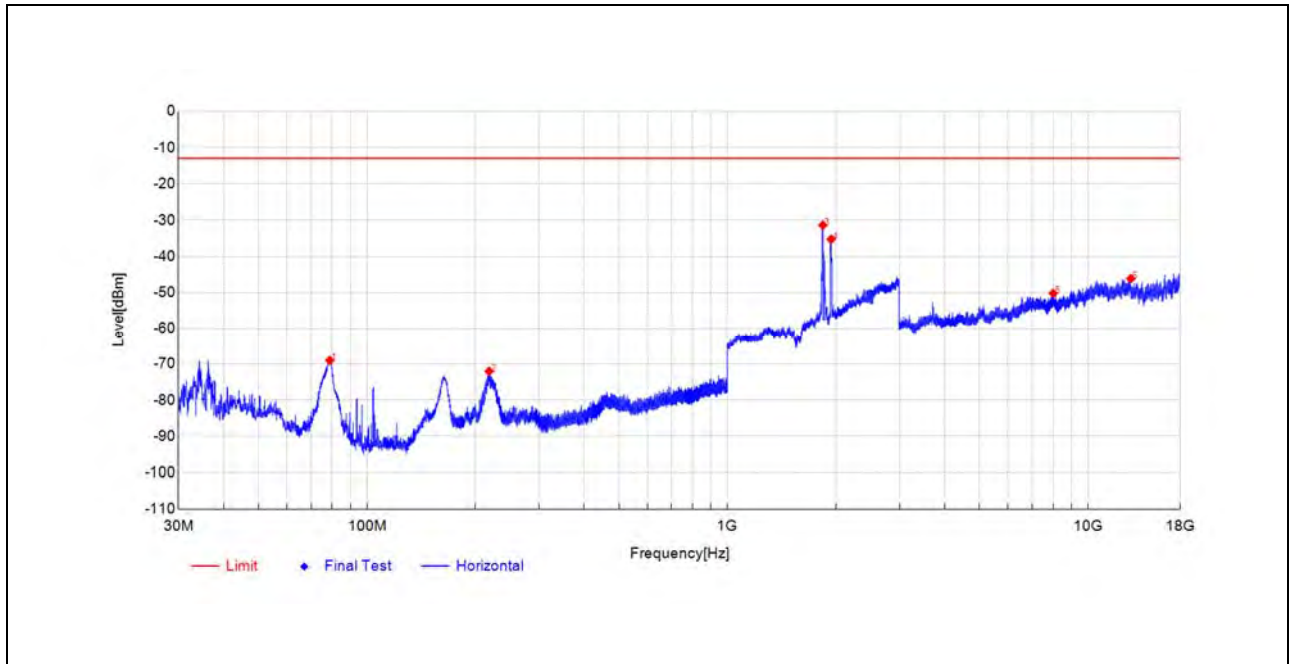
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.

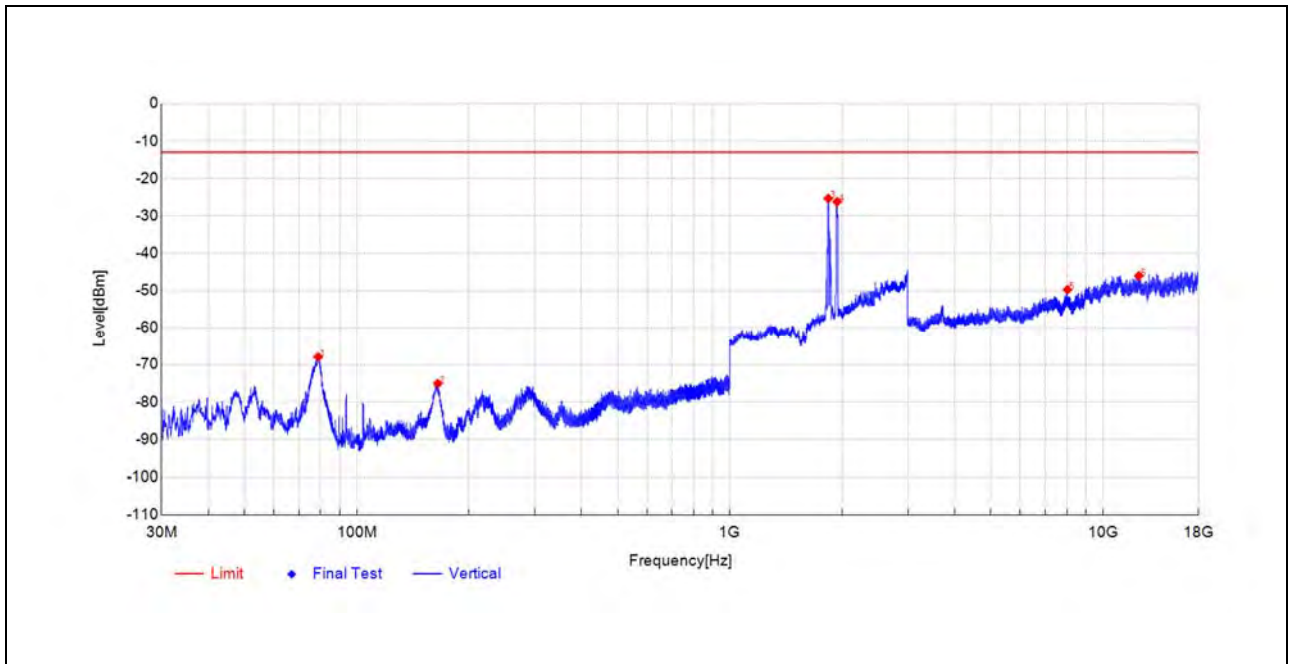
Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

**LTE Band 2**

Plot for Low Channel

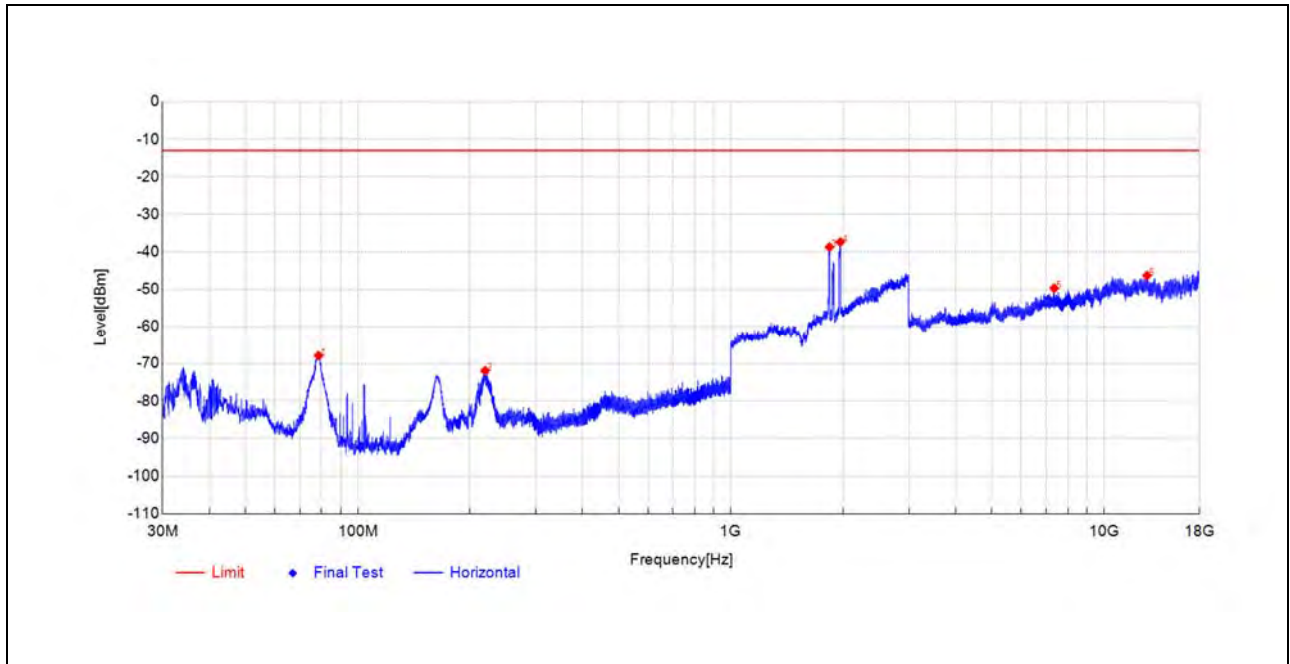


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
78.8419	-45.49	-68.99	-23.5	-13.0	56.0	Horizontal	PK	PASS
218.0924	-55.93	-72.02	-16.1	-13.0	59.0	Horizontal	PK	PASS
1838.9678	-35.53	-31.31	4.2	-	-	Horizontal	PK	NA
1938.5877	-39.31	-35.21	4.1	-	-	Horizontal	PK	NA
8006.9603	-63.52	-50.16	13.4	-13.0	37.2	Horizontal	PK	PASS
13149.406	-69.17	-46.12	23.1	-13.0	33.1	Horizontal	PK	PASS

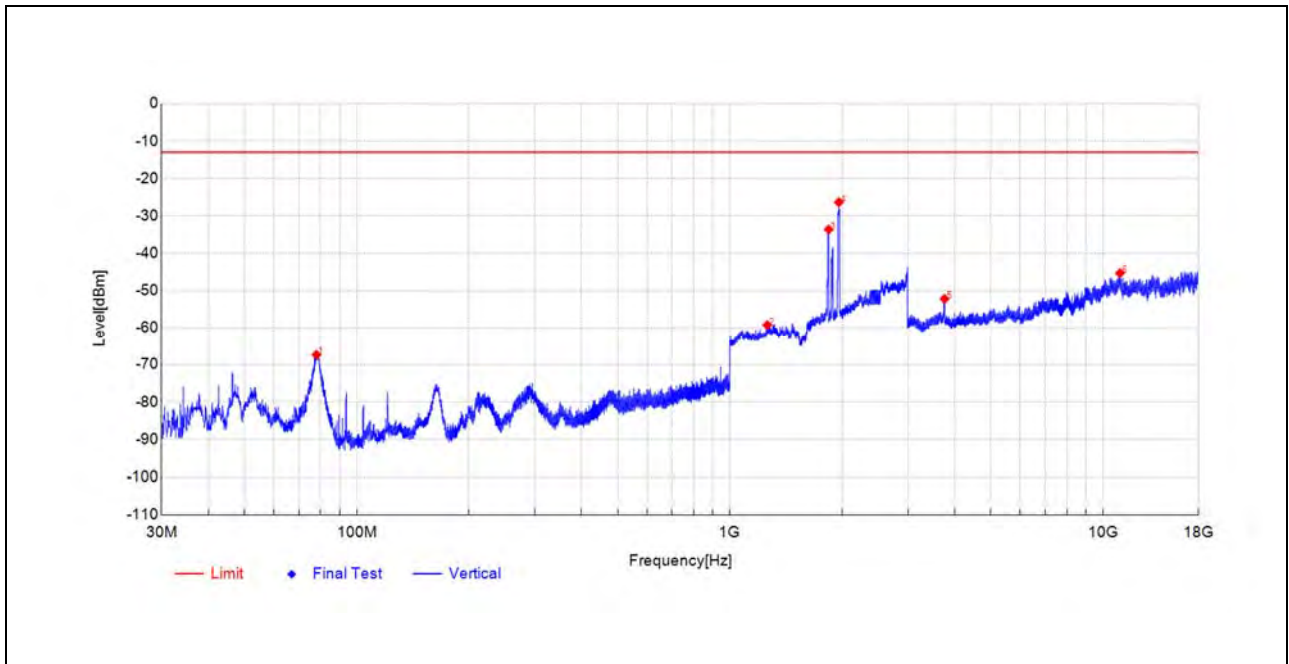


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
78.7934	-45.00	-67.95	-23.0	-13.0	55.0	Vertical	PK	PASS
164.8852	-52.16	-75.09	-22.9	-13.0	62.1	Vertical	PK	PASS
1834.967	-30.06	-25.36	4.7	-	-	Vertical	PK	NA
1937.7876	-30.13	-26.22	3.9	-	-	Vertical	PK	NA
8030.4812	-62.72	-49.73	13.0	-13.0	36.7	Vertical	PK	PASS
12475.459	-69.17	-46.04	23.1	-13.0	33.0	Vertical	PK	PASS

Plot for Mid Channel

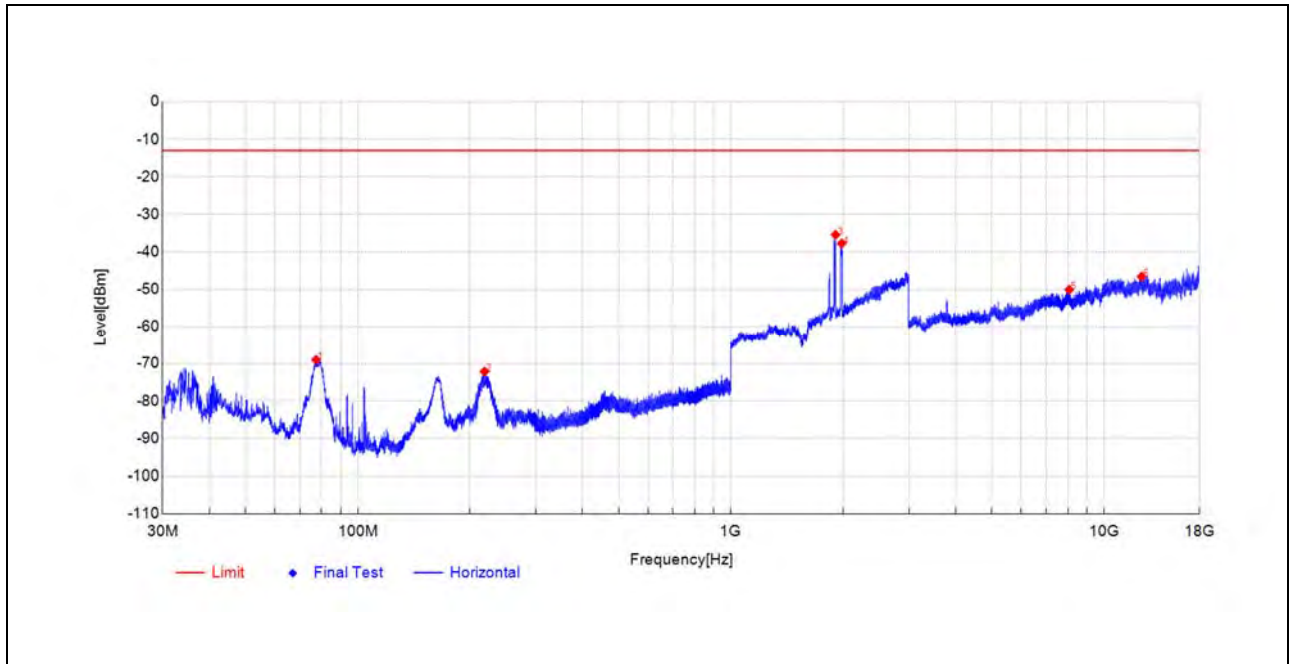


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
78.5509	-44.46	-67.86	-23.4	-13.0	54.9	Horizontal	PK	PASS
219.402	-55.93	-71.92	-16.0	-13.0	58.9	Horizontal	PK	PASS
1837.7676	-42.91	-38.70	4.2	-	-	Horizontal	PK	NA
1964.5929	-41.91	-37.38	4.5	-	-	Horizontal	PK	NA
7349.814	-62.09	-49.68	12.4	-13.0	36.7	Horizontal	PK	PASS
13033.721	-69.43	-46.30	23.1	-13.0	33.3	Horizontal	PK	PASS

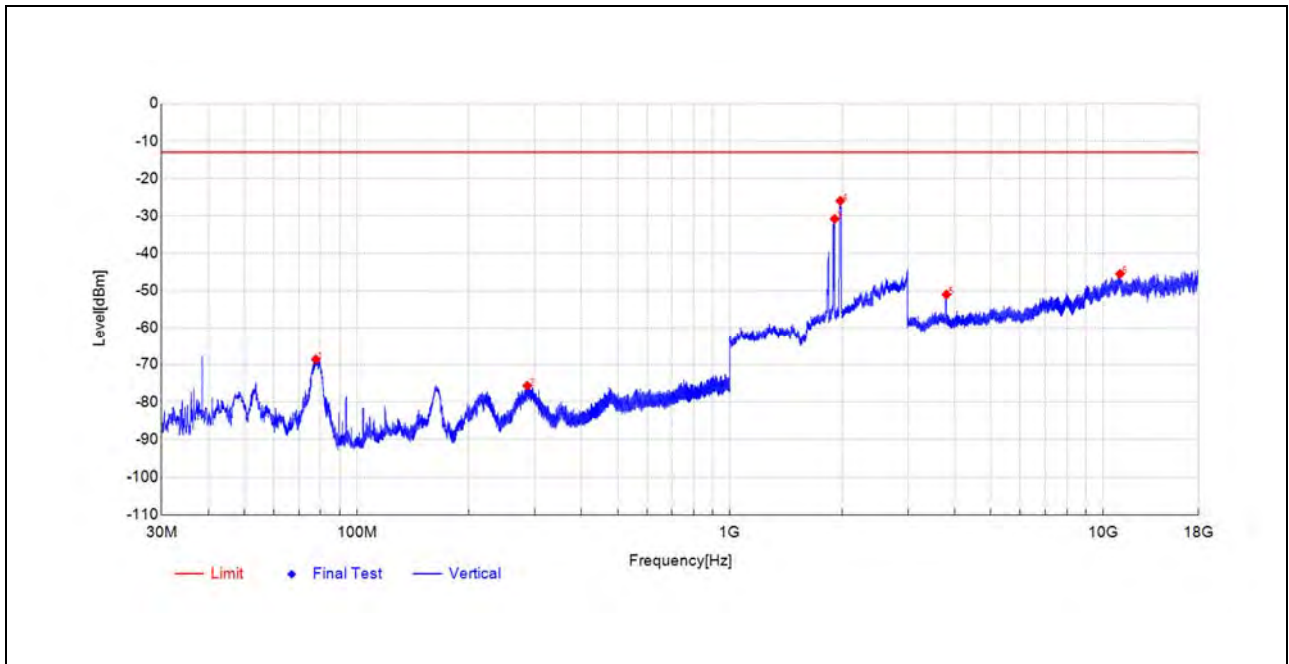


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
77.9689	-44.63	-67.37	-22.7	-13.0	54.4	Vertical	PK	PASS
1259.2519	-57.79	-59.18	-1.4	-13.0	46.2	Vertical	PK	PASS
1839.768	-38.21	-33.63	4.6	-	-	Vertical	PK	NA
1959.3919	-30.53	-26.35	4.2	-	-	Vertical	PK	NA
3759.9657	-53.26	-52.18	1.1	-13.0	39.2	Vertical	PK	PASS
11103.084	-67.24	-45.31	21.9	-13.0	32.3	Vertical	PK	PASS

Plot for High Channel



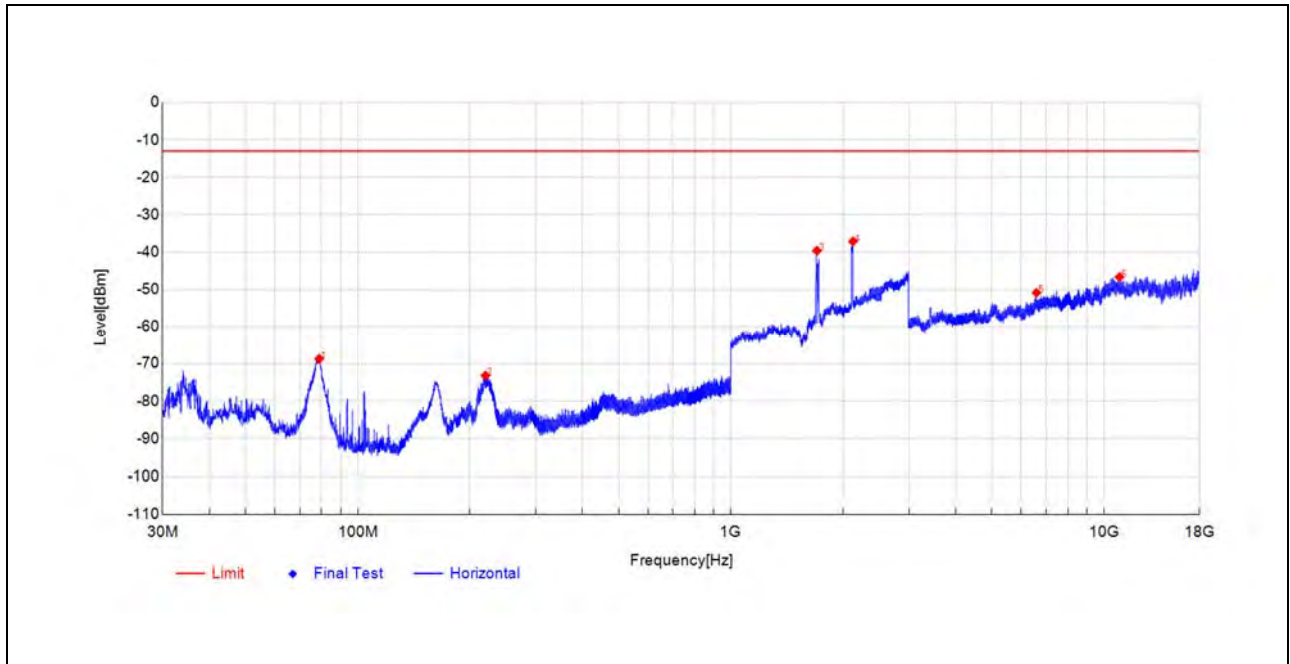
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
77.2899	-46.01	-69.00	-23.0	-13.0	56.0	Horizontal	PK	PASS
218.6744	-56.11	-72.15	-16.0	-13.0	59.2	Horizontal	PK	PASS
1908.1816	-39.68	-35.42	4.3	-	-	Horizontal	PK	NA
1980.9962	-42.36	-37.74	4.6	-	-	Horizontal	PK	NA
8068.4027	-63.54	-50.05	13.5	-13.0	37.1	Horizontal	PK	PASS
12609.864	-69.36	-46.56	22.8	-13.0	33.6	Horizontal	PK	PASS



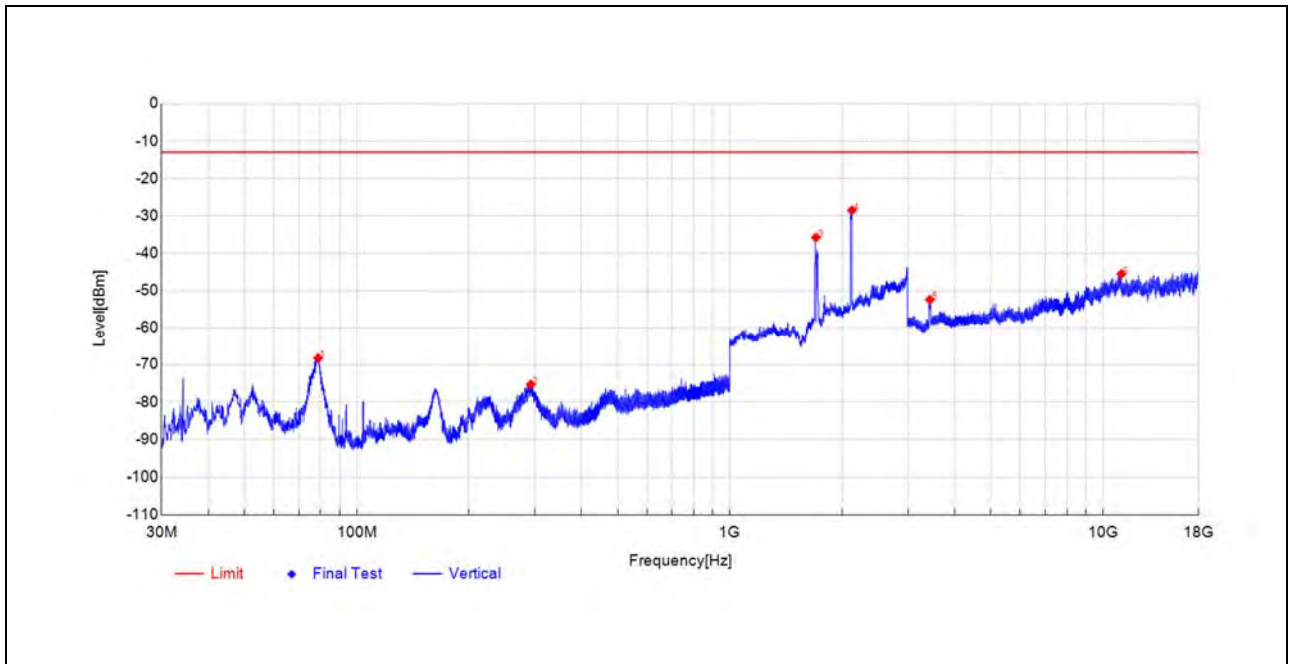
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
77.6779	-45.91	-68.58	-22.7	-13.0	55.6	Vertical	PK	PASS
286.3353	-58.58	-75.66	-17.1	-13.0	62.7	Vertical	PK	PASS
1908.5817	-35.72	-30.81	4.9	-	-	Vertical	PK	NA
1975.7952	-30.70	-25.99	4.7	-	-	Vertical	PK	NA
3804.1149	-51.67	-51.02	0.7	-13.0	38.0	Vertical	PK	PASS
11101.164	-67.46	-45.52	21.9	-13.0	32.5	Vertical	PK	PASS

**LTE Band 4**

Plot for Low Channel

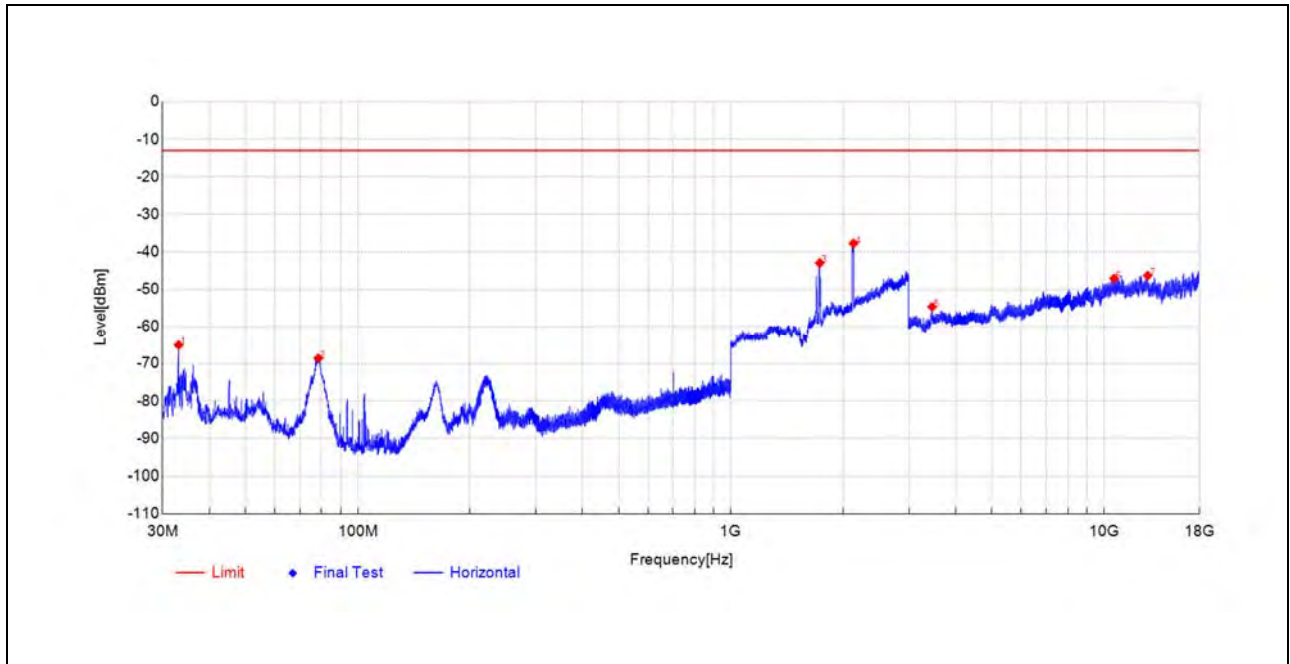


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
78.8419	-45.25	-68.71	-23.5	-13.0	55.7	Horizontal	PK	PASS
219.984	-57.27	-73.20	-15.9	-13.0	60.2	Horizontal	PK	PASS
1700.5401	-42.94	-39.60	3.3	-	-	Horizontal	PK	NA
2123.0246	-43.05	-37.12	5.9	-	-	Horizontal	PK	NA
6591.3837	-62.13	-50.84	11.3	-13.0	37.8	Horizontal	PK	PASS
11000.84	-67.27	-46.64	20.6	-13.0	33.6	Horizontal	PK	PASS

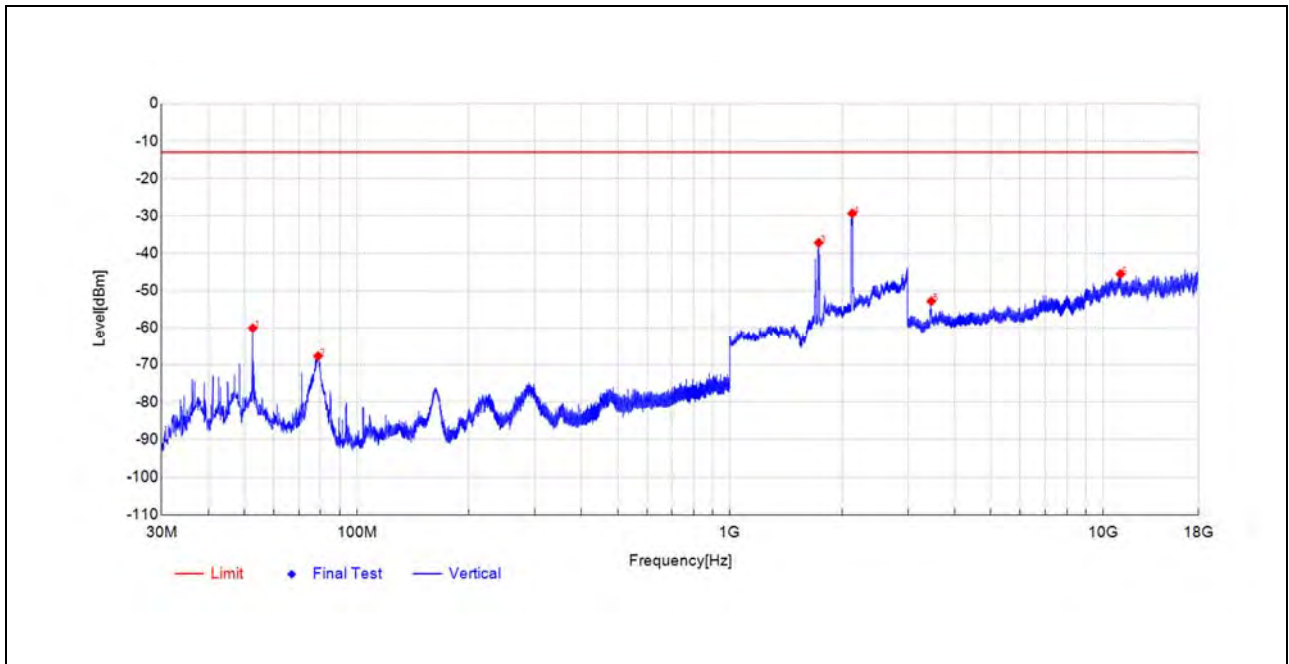


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
78.7934	-45.35	-68.26	-22.9	-13.0	55.3	Vertical	PK	PASS
292.7376	-58.55	-75.31	-16.8	-13.0	62.3	Vertical	PK	PASS
1700.9402	-39.24	-35.76	3.5	-	-	Vertical	PK	NA
2123.4247	-34.39	-28.52	5.9	-	-	Vertical	PK	NA
3436.348	-53.09	-52.40	0.7	-13.0	39.4	Vertical	PK	PASS
11194.767	-66.98	-45.54	21.4	-13.0	32.5	Vertical	PK	PASS

Plot for Mid Channel

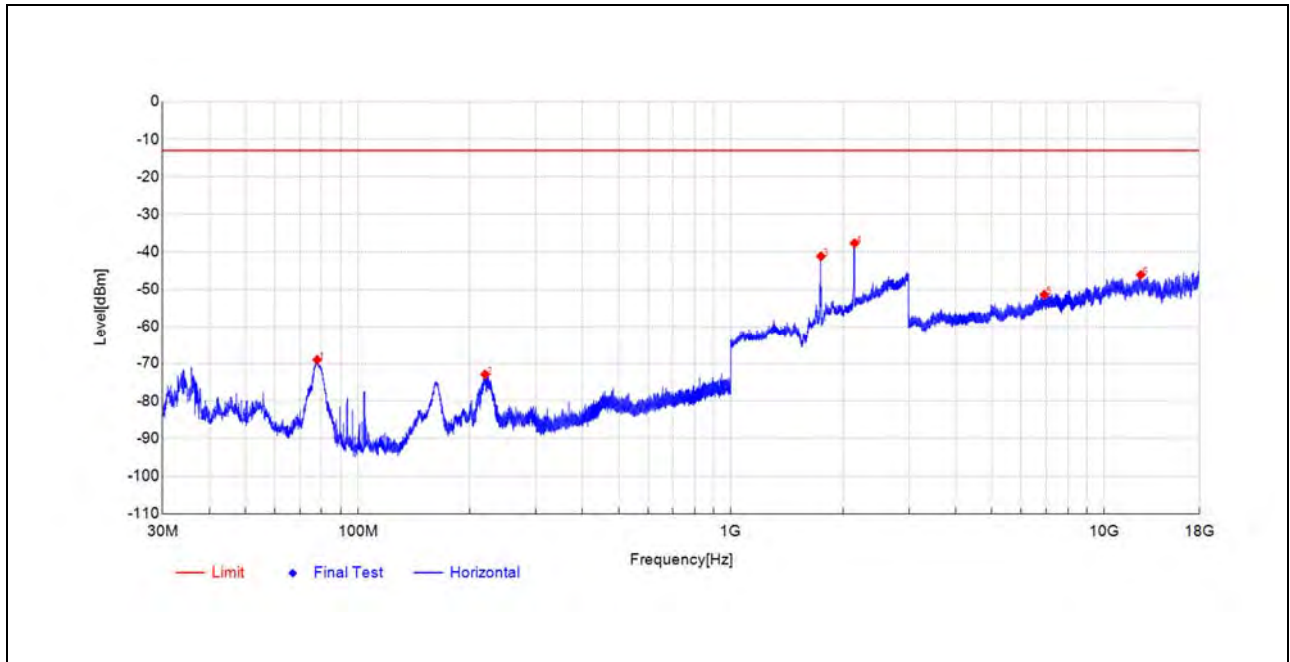


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
33.1042	-49.79	-65.02	-15.2	-13.0	52.0	Horizontal	PK	PASS
78.4539	-45.23	-68.57	-23.3	-13.0	55.6	Horizontal	PK	PASS
1729.7459	-45.98	-42.92	3.1	-	-	Horizontal	PK	NA
2130.6261	-43.75	-37.73	6.0	-	-	Horizontal	PK	NA
3461.6374	-55.37	-54.64	0.7	-13.0	41.6	Horizontal	PK	PASS
10643.225	-66.24	-47.09	19.2	-13.0	34.1	Horizontal	PK	PASS
13092.283	-70.36	-46.30	24.1	-13.0	33.3	Horizontal	PK	PASS

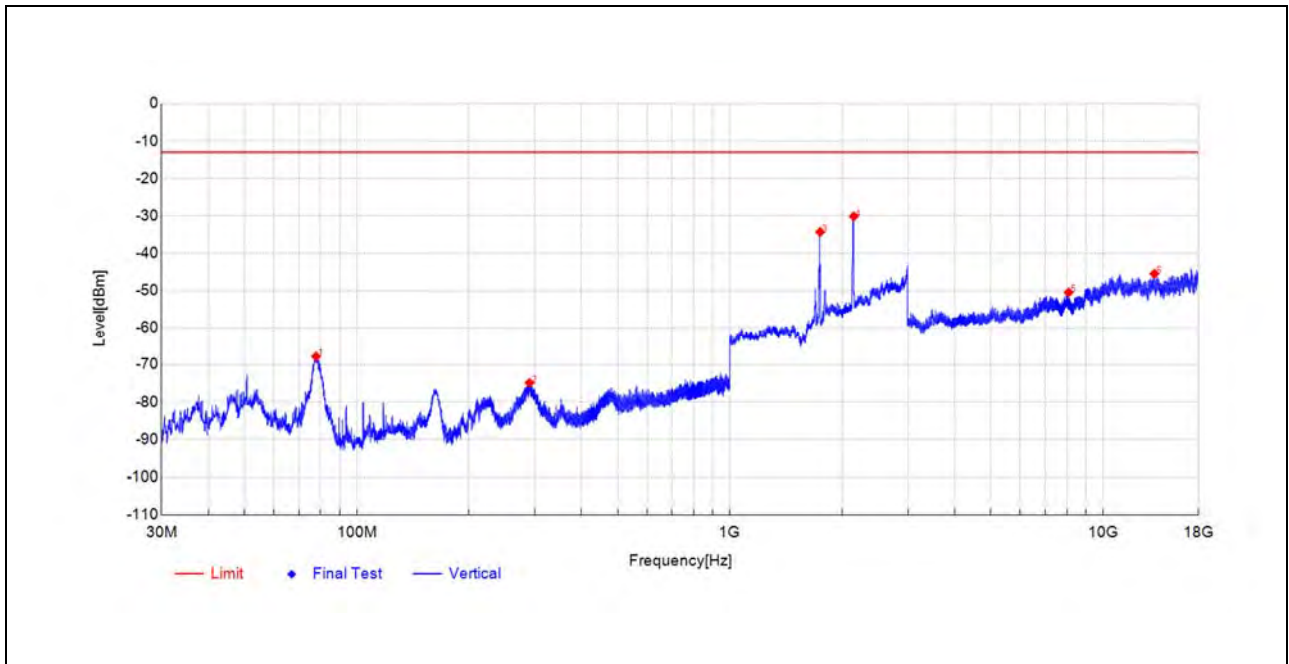


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
52.6506	-42.35	-60.04	-17.7	-13.0	47.0	Vertical	PK	PASS
78.7449	-44.86	-67.75	-22.9	-13.0	54.8	Vertical	PK	PASS
1730.146	-40.60	-37.19	3.4	-	-	Vertical	PK	NA
2127.0254	-35.32	-29.35	6.0	-	-	Vertical	PK	NA
3465.4951	-53.78	-52.81	1.0	-13.0	39.8	Vertical	PK	PASS
11135.725	-67.30	-45.55	21.8	-13.0	32.6	Vertical	PK	PASS

Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
77.8719	-45.86	-69.01	-23.2	-13.0	56.0	Horizontal	PK	PASS
219.4505	-56.94	-72.91	-16.0	-13.0	59.9	Horizontal	PK	PASS
1743.7488	-44.15	-41.18	3.0	-	-	Horizontal	PK	NA
2144.6289	-43.70	-37.68	6.0	-	-	Horizontal	PK	NA
6914.9166	-62.92	-51.37	11.6	-13.0	38.4	Horizontal	PK	PASS
12543.141	-69.24	-46.10	23.1	-13.0	33.1	Horizontal	PK	PASS

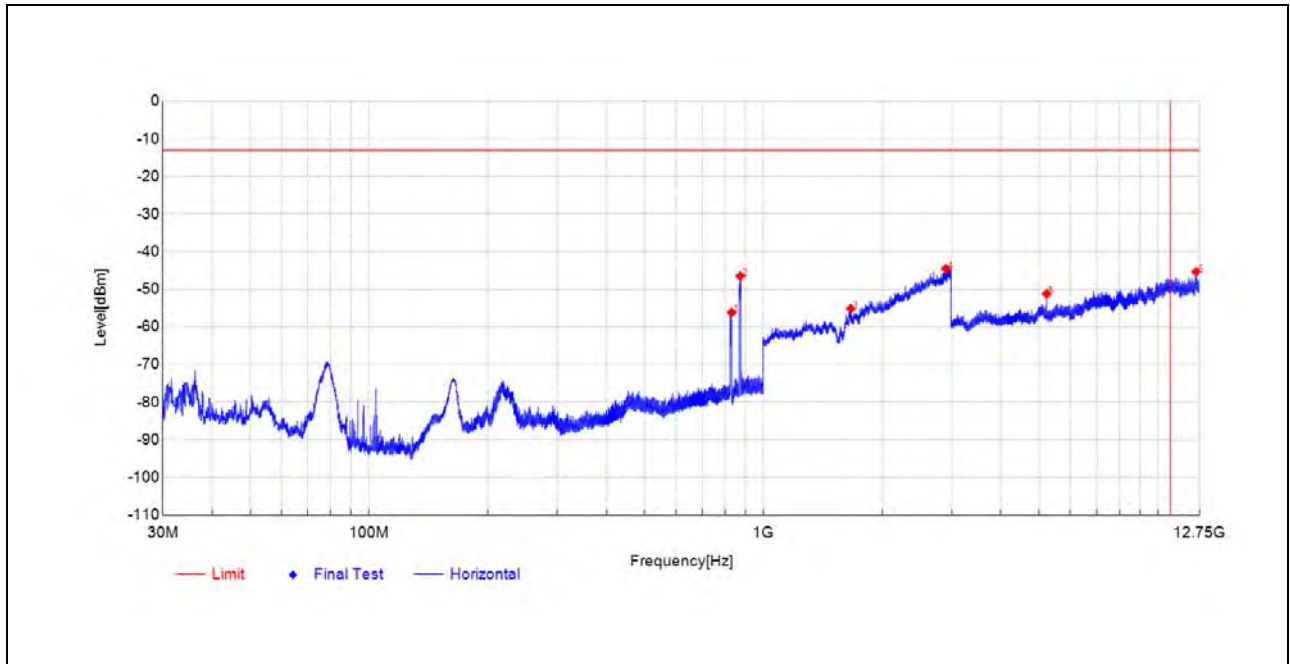


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
77.7749	-45.13	-67.79	-22.7	-13.0	54.8	Vertical	PK	PASS
290.458	-58.03	-74.91	-16.9	-13.0	61.9	Vertical	PK	PASS
1745.3491	-37.76	-34.31	3.5	-	-	Vertical	PK	NA
2147.0294	-35.94	-30.15	5.8	-	-	Vertical	PK	NA
8082.8033	-63.46	-50.46	13.0	-13.0	37.5	Vertical	PK	PASS
13721.108	-70.13	-45.49	24.6	-13.0	32.5	Vertical	PK	PASS

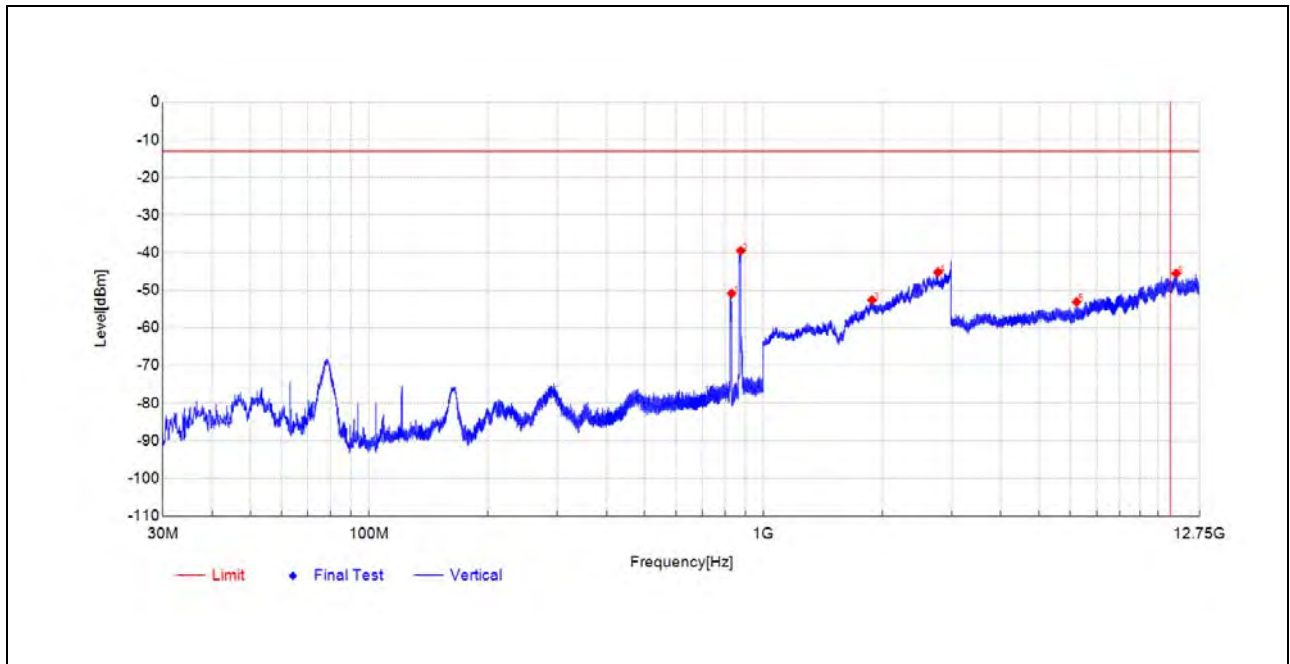


LTE Band 5

Plot for Low Channel

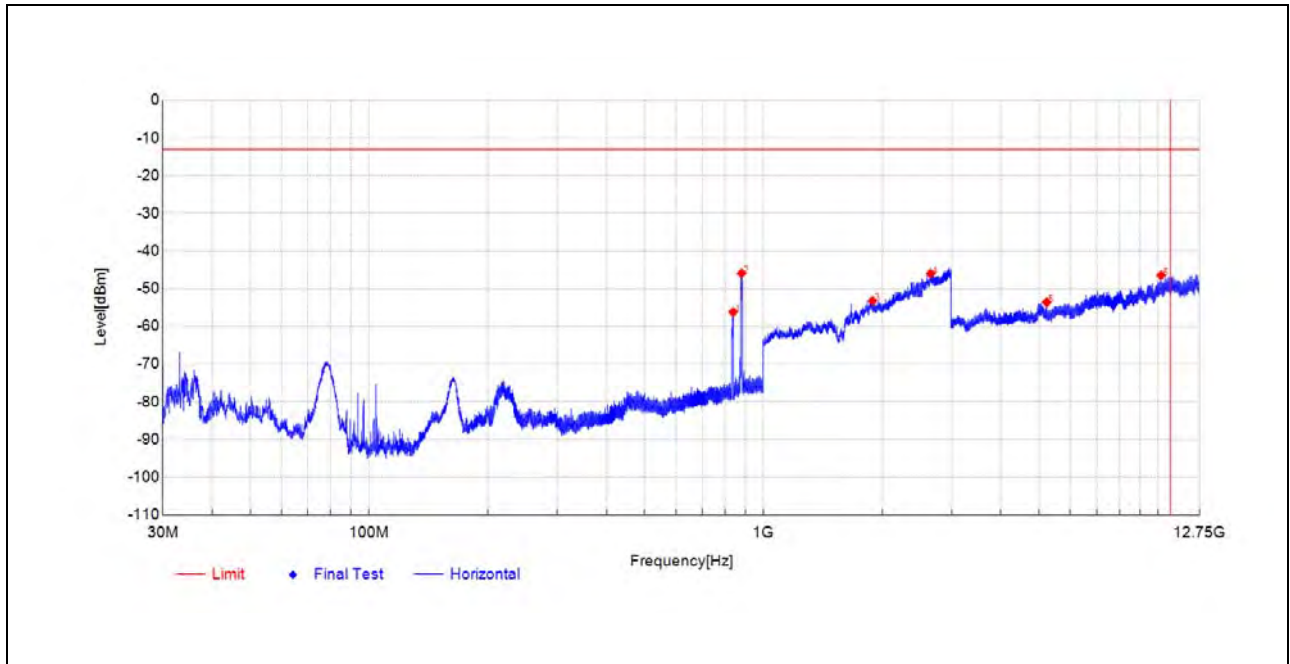


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
830.6295	-50.44	-56.13	-5.7	-13.0	43.1	Horizontal	PK	PASS
873.6512	-41.64	-46.45	-4.8	-13.0	33.5	Horizontal	PK	PASS
1665.3331	-57.64	-55.13	2.5	-13.0	42.1	Horizontal	PK	PASS
2901.9804	-58.51	-44.53	14.0	-13.0	31.5	Horizontal	PK	PASS
5227.1753	-56.36	-51.16	5.2	-13.0	38.2	Horizontal	PK	PASS
12507.140	-68.66	-45.35	23.3	-13.0	32.4	Horizontal	PK	PASS



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
830.6295	-44.84	-50.80	-6.0	-13.0	37.8	Vertical	PK	PASS
876.1248	-34.86	-39.48	-4.6	-13.0	26.5	Vertical	PK	PASS
1884.977	-58.48	-52.59	5.9	-13.0	39.6	Vertical	PK	PASS
2770.3541	-57.74	-45.21	12.5	-13.0	32.2	Vertical	PK	PASS
6221.2889	-61.63	-53.08	8.6	-13.0	40.1	Vertical	PK	PASS
11122.284	-67.36	-45.53	21.8	-13.0	32.5	Vertical	PK	PASS

Plot for Mid Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
838.0019	-50.68	-56.17	-5.5	-13.0	43.2	Horizontal	PK	PASS
879.908	-41.16	-45.91	-4.8	-13.0	32.9	Horizontal	PK	PASS
1890.178	-58.87	-53.18	5.7	-13.0	40.2	Horizontal	PK	PASS
2654.3309	-58.77	-45.97	12.8	-13.0	33.0	Horizontal	PK	PASS
5224.1749	-58.76	-53.56	5.2	-13.0	40.6	Horizontal	PK	PASS
10193.927	-65.69	-46.44	19.3	-13.0	33.4	Horizontal	PK	PASS