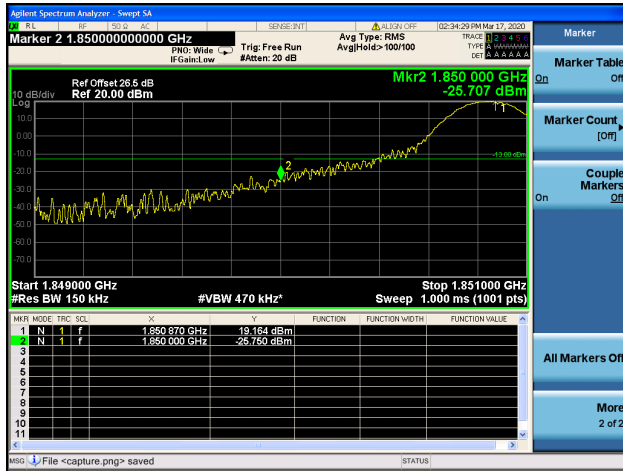




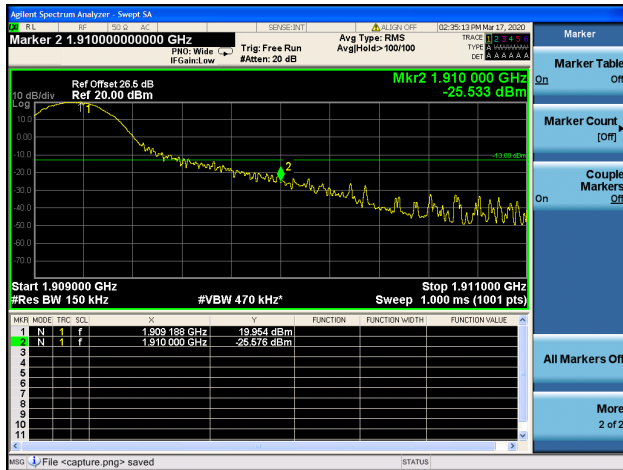
Band2 / 15MHz / Low CH / QPSK / 1 RB



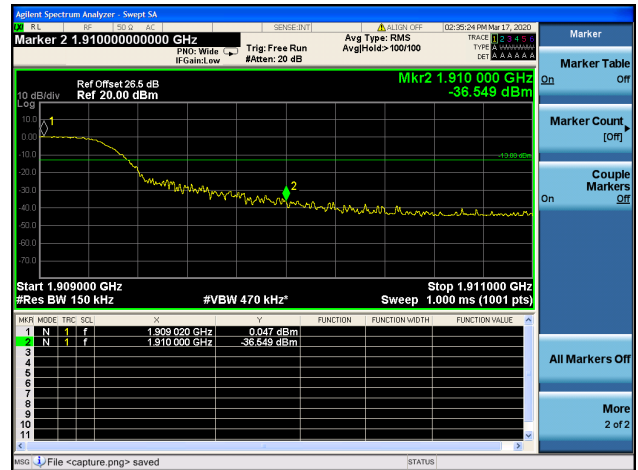
Band2 / 15MHz / Low CH / QPSK / FULL RB



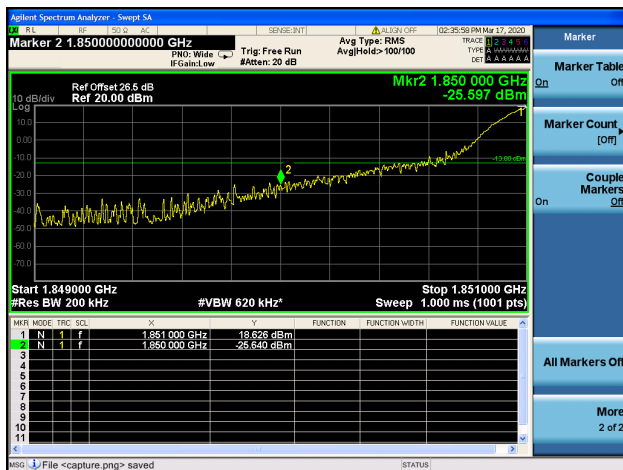
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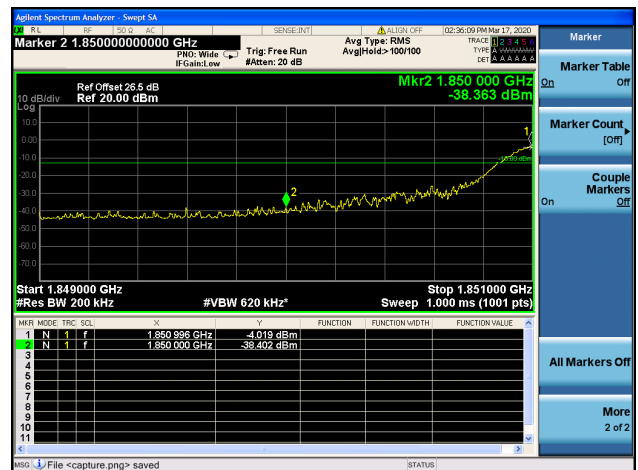
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Band2 / 20MHz / Low CH / QPSK / 1 RB

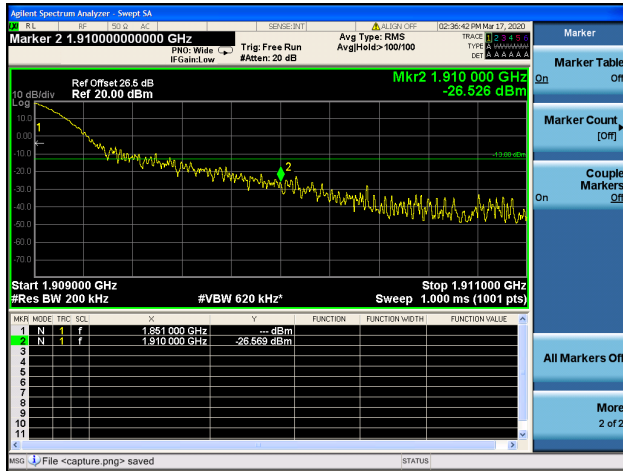


Band2 / 20MHz / Low CH / QPSK / FULL RB

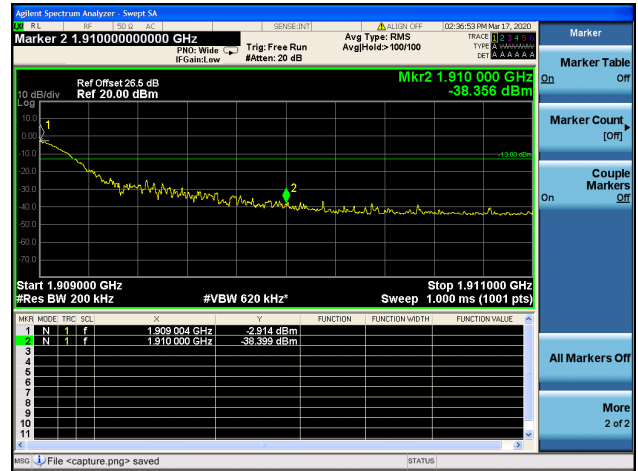




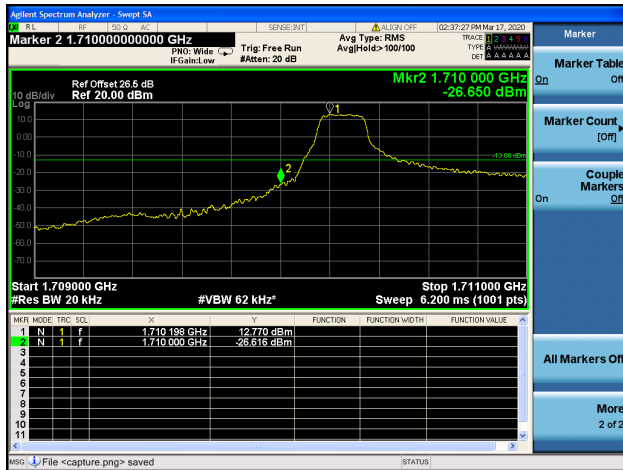
Band2 / 20MHz / High CH / QPSK / 1 RB



Band2 / 20MHz / High CH / QPSK / FULL RB



Band4 / 1.4MHz / Low CH / QPSK / 1 RB



Band4 / 1.4MHz / Low CH / QPSK / FULL RB



Band4 / 1.4MHz / High CH / QPSK / 1 RB



Band4 / 1.4MHz / High CH / QPSK / FULL RB

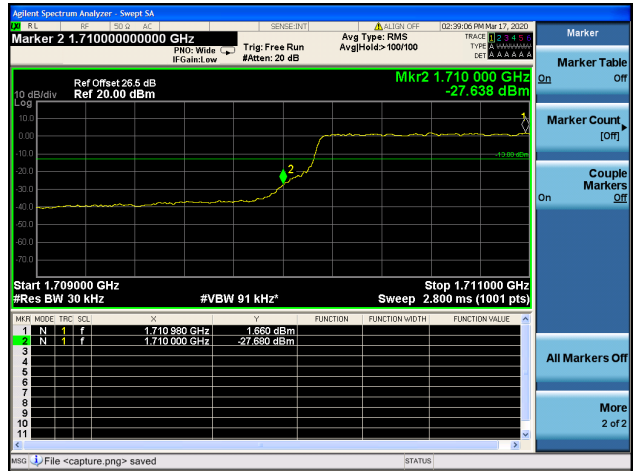




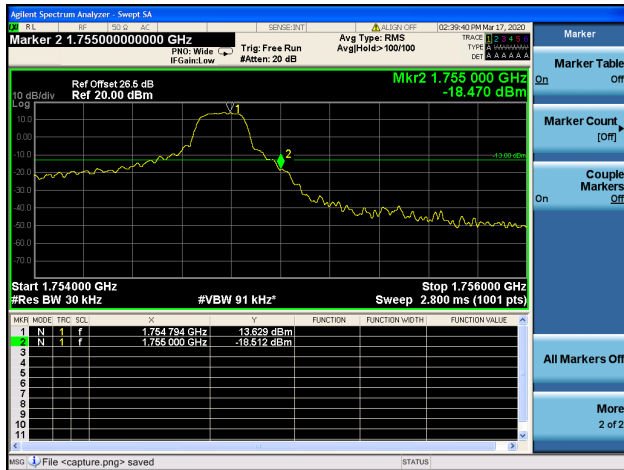
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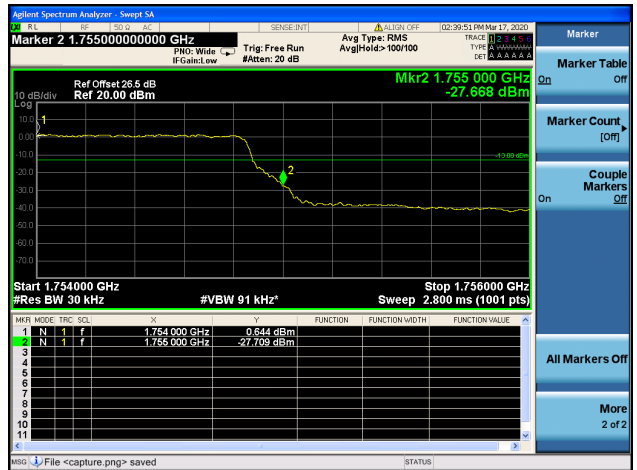
Band4 / 3MHz / Low CH / QPSK / FULL RB



Band4 / 3MHz / High CH / QPSK / 1 RB



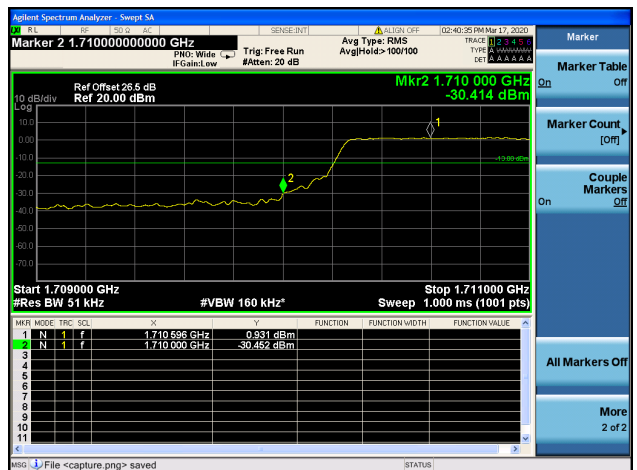
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Band4 / 5MHz / Low CH / QPSK / 1 RB



Band4 / 5MHz / Low CH / QPSK / FULL RB

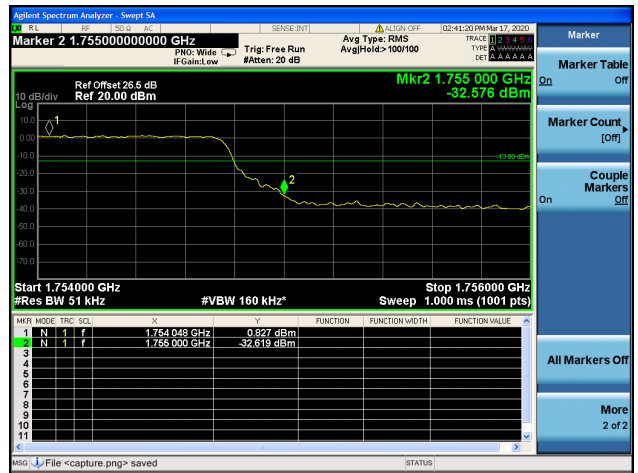




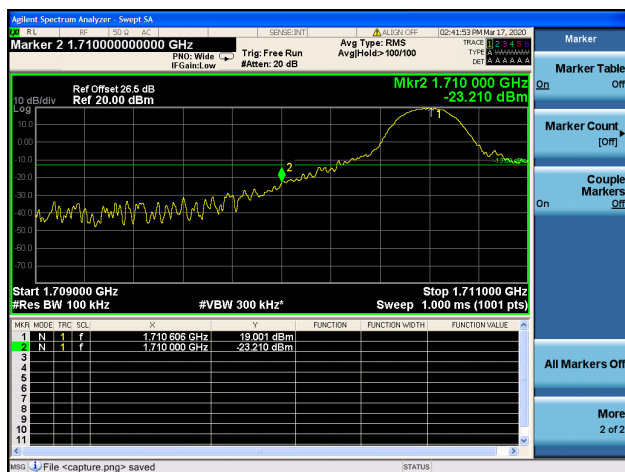
Band4 / 5MHz / High CH / QPSK / 1 RB



Band4 / 5MHz / High CH / QPSK / FULL RB



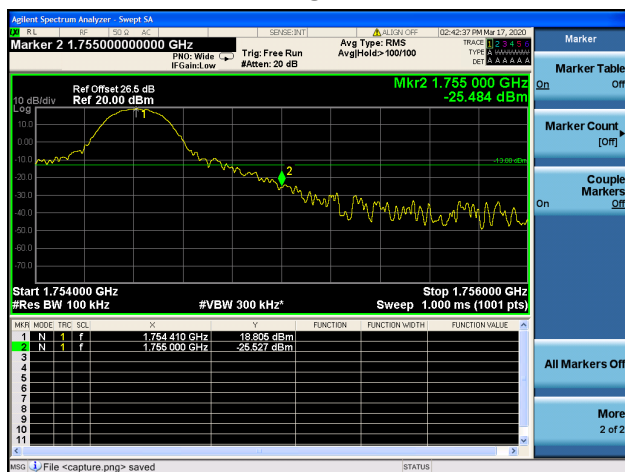
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Band4 / 10MHz / Low CH / QPSK / FULL RB



Band4 / 10MHz / High CH / QPSK / 1 RB

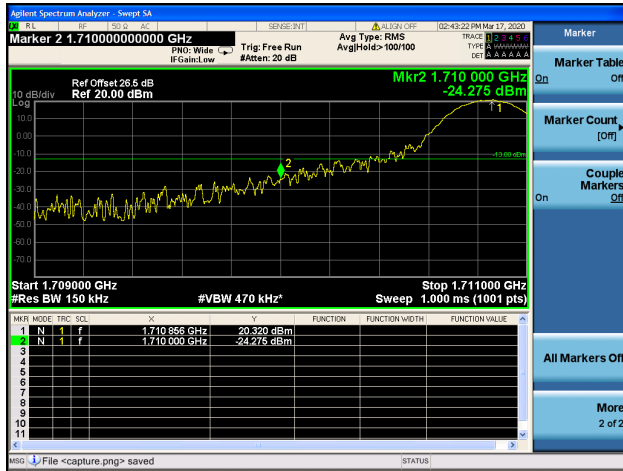


Band4 / 10MHz / High CH / QPSK / FULL RB





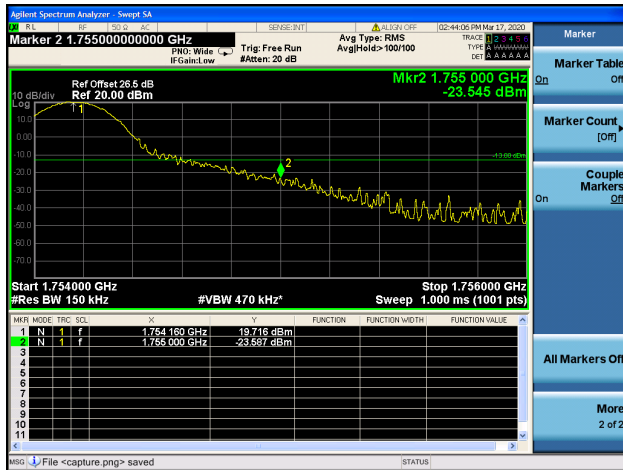
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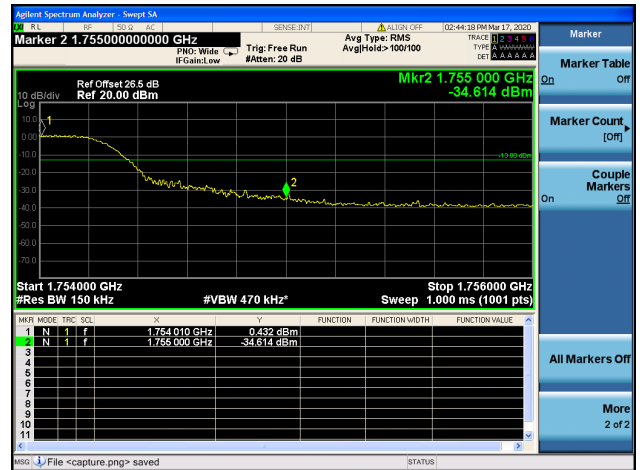
Band4 / 15MHz / Low CH / QPSK / FULL RB



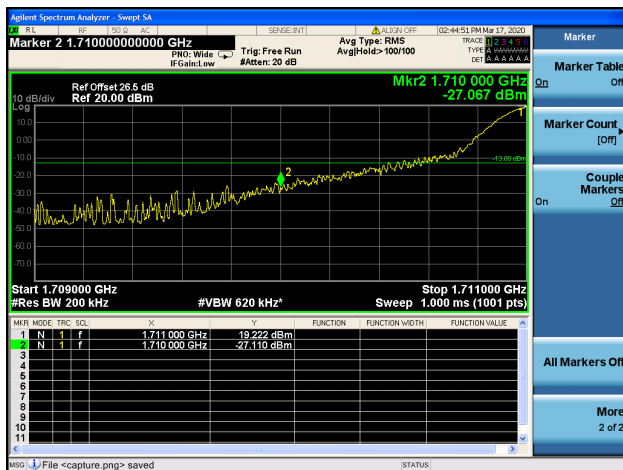
Band4 / 15MHz / High CH / QPSK / 1 RB



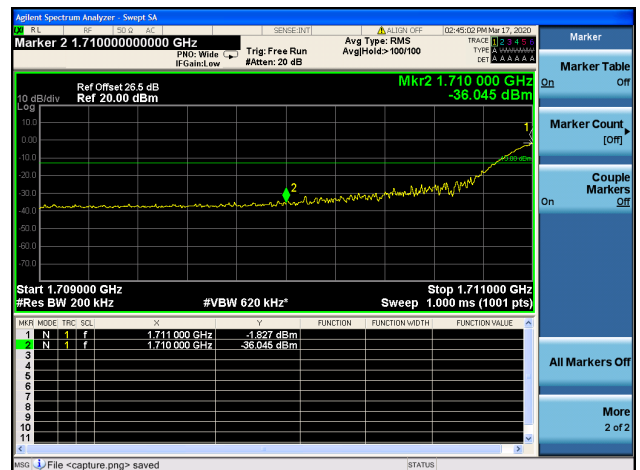
Band4 / 15MHz / High CH / QPSK / FULL RB



Band4 / 20MHz / Low CH / QPSK / 1 RB

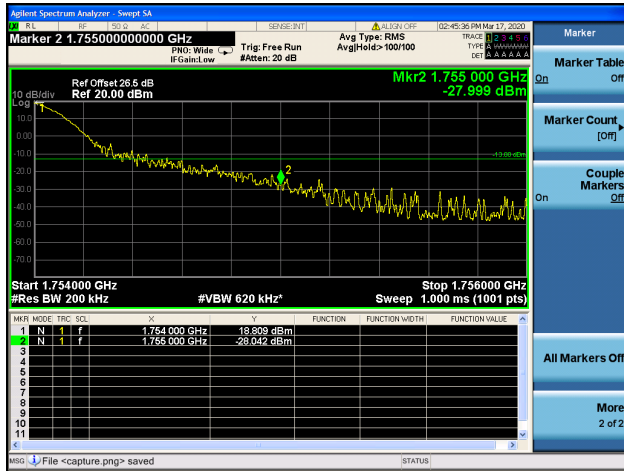


Band4 / 20MHz / Low CH / QPSK / FULL RB

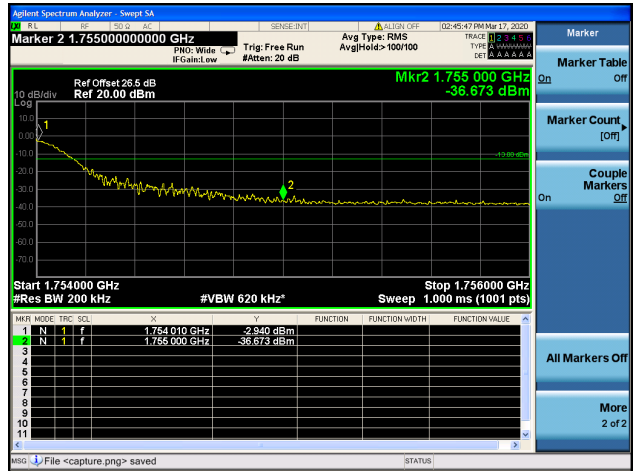




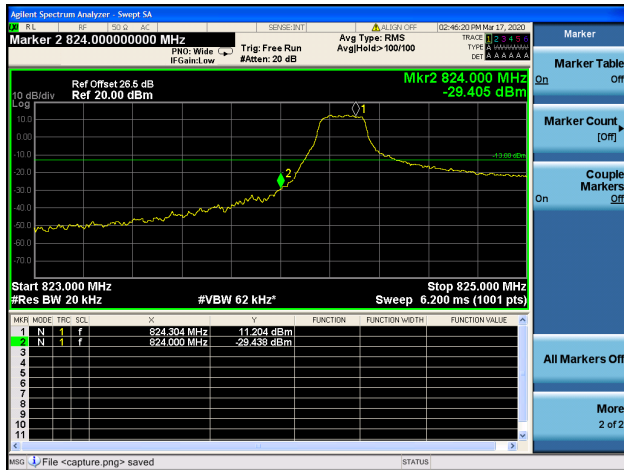
Band4 / 20MHz / High CH / QPSK / 1 RB



Band4 / 20MHz / High CH / QPSK / FULL RB



Band5 / 1.4MHz / Low CH / QPSK / 1 RB



Band5 / 1.4MHz / Low CH / QPSK / FULL RB



Band5 / 1.4MHz / High CH / QPSK / 1 RB

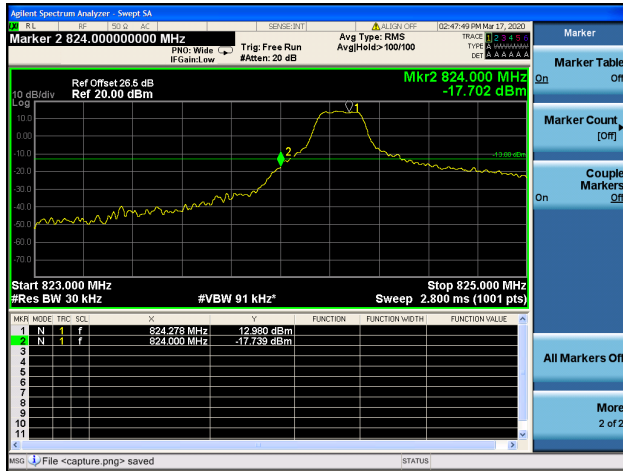


Band5 / 1.4MHz / High CH / QPSK / FULL RB

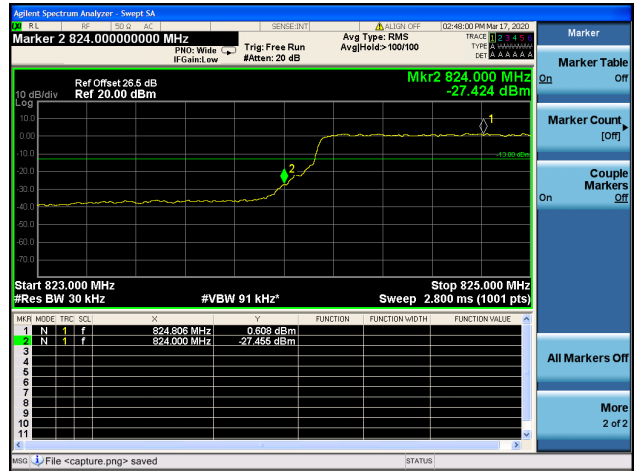




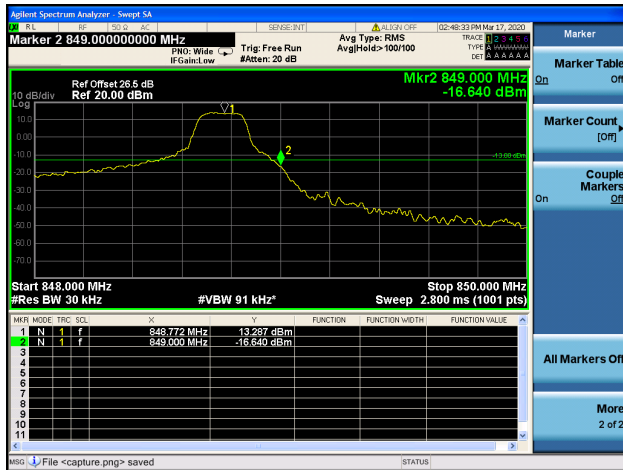
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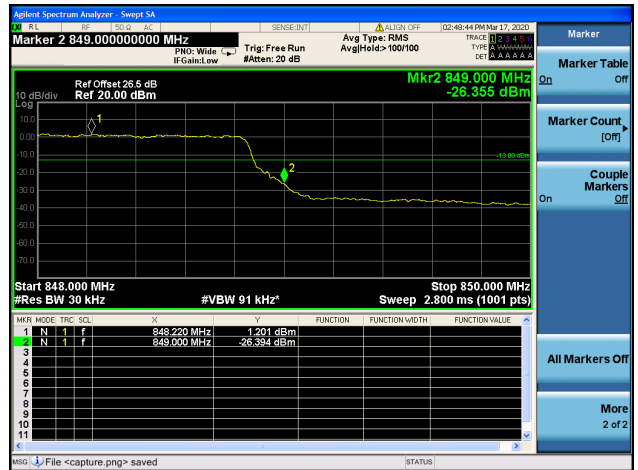
Band5 / 3MHz / Low CH / QPSK / FULL RB



Band5 / 3MHz / High CH / QPSK / 1 RB



Band5 / 3MHz / High CH / QPSK / FULL RB



Band5 / 5MHz / Low CH / QPSK / 1 RB



Band5 / 5MHz / Low CH / QPSK / FULL RB





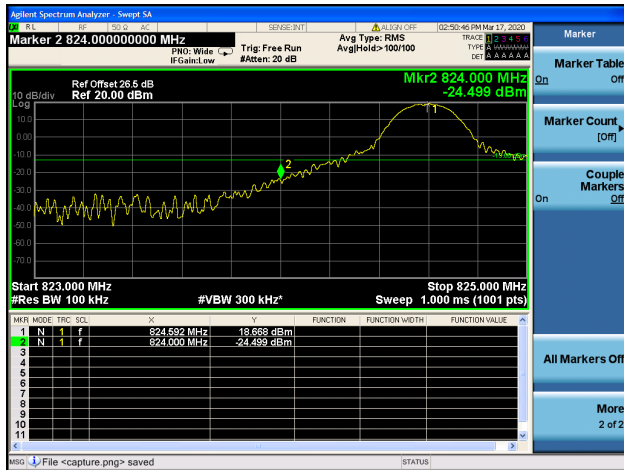
Band5 / 5MHz / High CH / QPSK / 1 RB



Band5 / 5MHz / High CH / QPSK / FULL RB



Band5 / 10MHz / Low CH / QPSK / 1 RB



Band5 / 10MHz / Low CH / QPSK / FULL RB



Band5 / 10MHz / High CH / QPSK / 1 RB



Band5 / 10MHz / High CH / QPSK / FULL RB





LTE Band 7

Channel Bandwidth: 5MHz

Channel	20775	1RB	Channel	20775	FULL RB																																																																																																
<table border="1"> <thead> <tr> <th>Spur</th> <th>Range</th> <th>Start Freq</th> <th>Stop Freq</th> <th>RBW</th> <th>Frequency</th> <th>Amplitude</th> <th>Δ Limit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>2.4750 GHz</td> <td>2.4940 GHz</td> <td>1.000 MHz</td> <td>2.489060000 GHz</td> <td>-53.83 dBm</td> <td>-28.83 dB</td> </tr> <tr> <td>2</td> <td>2</td> <td>2.4940 GHz</td> <td>2.4950 GHz</td> <td>1.000 MHz</td> <td>2.494525000 GHz</td> <td>-45.44 dBm</td> <td>-32.44 dB</td> </tr> <tr> <td>3</td> <td>3</td> <td>2.4950 GHz</td> <td>2.4990 GHz</td> <td>1.000 MHz</td> <td>2.498833333 GHz</td> <td>-14.31 dBm</td> <td>-4.310 dB</td> </tr> <tr> <td>4</td> <td>4</td> <td>2.4990 GHz</td> <td>2.5000 GHz</td> <td>120.0 kHz</td> <td>2.499248887 GHz</td> <td>-22.19 dBm</td> <td>-57.19 dB</td> </tr> <tr> <td>5</td> <td>5</td> <td>2.5000 GHz</td> <td>2.5050 GHz</td> <td>100.0 kHz</td> <td>2.500333333 GHz</td> <td>11.73 dBm</td> <td>-23.27 dB</td> </tr> </tbody> </table>			Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	2.4750 GHz	2.4940 GHz	1.000 MHz	2.489060000 GHz	-53.83 dBm	-28.83 dB	2	2	2.4940 GHz	2.4950 GHz	1.000 MHz	2.494525000 GHz	-45.44 dBm	-32.44 dB	3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.498833333 GHz	-14.31 dBm	-4.310 dB	4	4	2.4990 GHz	2.5000 GHz	120.0 kHz	2.499248887 GHz	-22.19 dBm	-57.19 dB	5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.500333333 GHz	11.73 dBm	-23.27 dB	<table border="1"> <thead> <tr> <th>Spur</th> <th>Range</th> <th>Start Freq</th> <th>Stop Freq</th> <th>RBW</th> <th>Frequency</th> <th>Amplitude</th> <th>Δ Limit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>2.4750 GHz</td> <td>2.4940 GHz</td> <td>1.000 MHz</td> <td>2.492353333 GHz</td> <td>-45.11 dBm</td> <td>-20.11 dB</td> </tr> <tr> <td>2</td> <td>2</td> <td>2.4940 GHz</td> <td>2.4950 GHz</td> <td>1.000 MHz</td> <td>2.494416667 GHz</td> <td>-41.57 dBm</td> <td>-28.57 dB</td> </tr> <tr> <td>3</td> <td>3</td> <td>2.4950 GHz</td> <td>2.4990 GHz</td> <td>1.000 MHz</td> <td>2.498800000 GHz</td> <td>-14.68 dBm</td> <td>-4.679 dB</td> </tr> <tr> <td>4</td> <td>4</td> <td>2.4990 GHz</td> <td>2.5000 GHz</td> <td>120.0 kHz</td> <td>2.499891667 GHz</td> <td>-22.83 dBm</td> <td>-57.83 dB</td> </tr> <tr> <td>5</td> <td>5</td> <td>2.5000 GHz</td> <td>2.5050 GHz</td> <td>100.0 kHz</td> <td>2.502975000 GHz</td> <td>2.079 dBm</td> <td>-32.92 dB</td> </tr> </tbody> </table>			Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	1	2.4750 GHz	2.4940 GHz	1.000 MHz	2.492353333 GHz	-45.11 dBm	-20.11 dB	2	2	2.4940 GHz	2.4950 GHz	1.000 MHz	2.494416667 GHz	-41.57 dBm	-28.57 dB	3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.498800000 GHz	-14.68 dBm	-4.679 dB	4	4	2.4990 GHz	2.5000 GHz	120.0 kHz	2.499891667 GHz	-22.83 dBm	-57.83 dB	5	5	2.5000 GHz	2.5050 GHz	100.0 kHz	2.502975000 GHz	2.079 dBm	-32.92 dB
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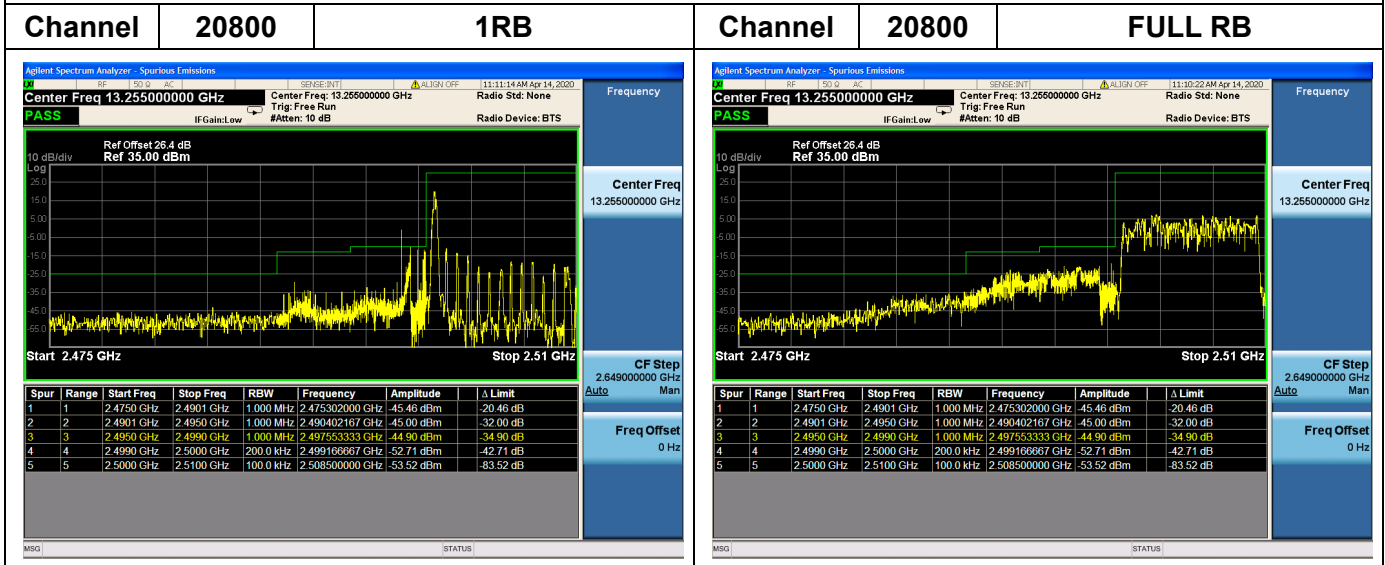
Channel Bandwidth: 5MHz

Channel	21425	1RB	Channel	21425	FULL RB																																																																																																
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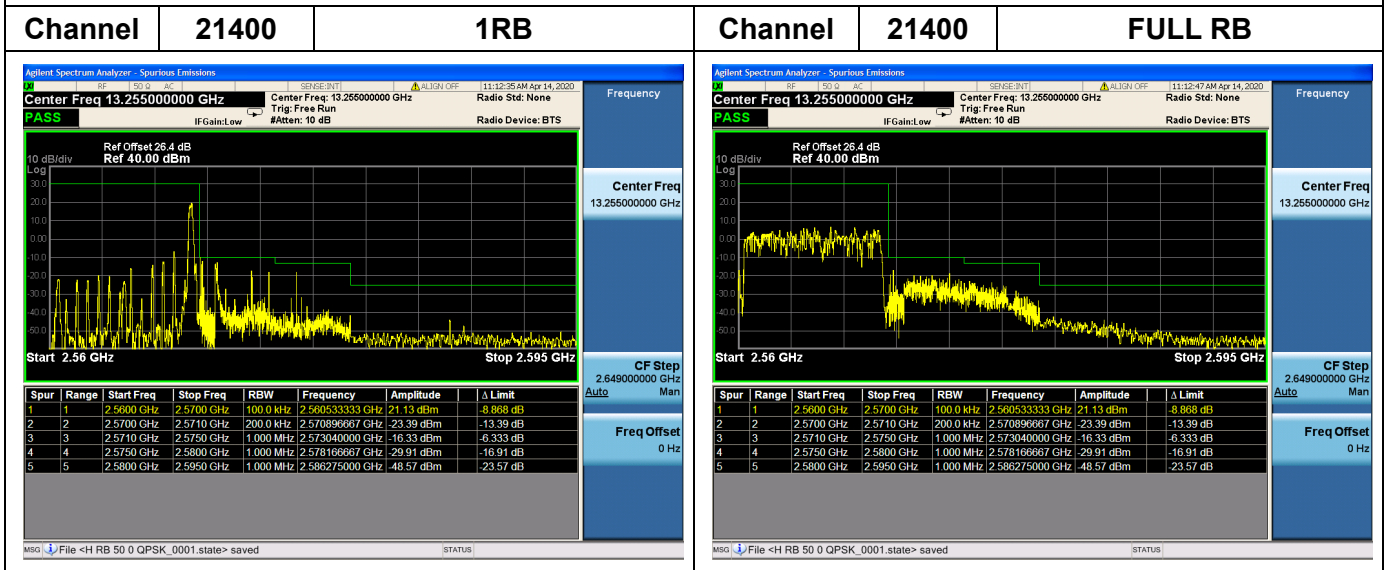


LTE Band 7

Channel Bandwidth: 10MHz



Channel Bandwidth: 10MHz





LTE Band 7

Channel Bandwidth: 15MHz

Channel	20825	1RB	Channel	20825	FULL RB																																																																																																
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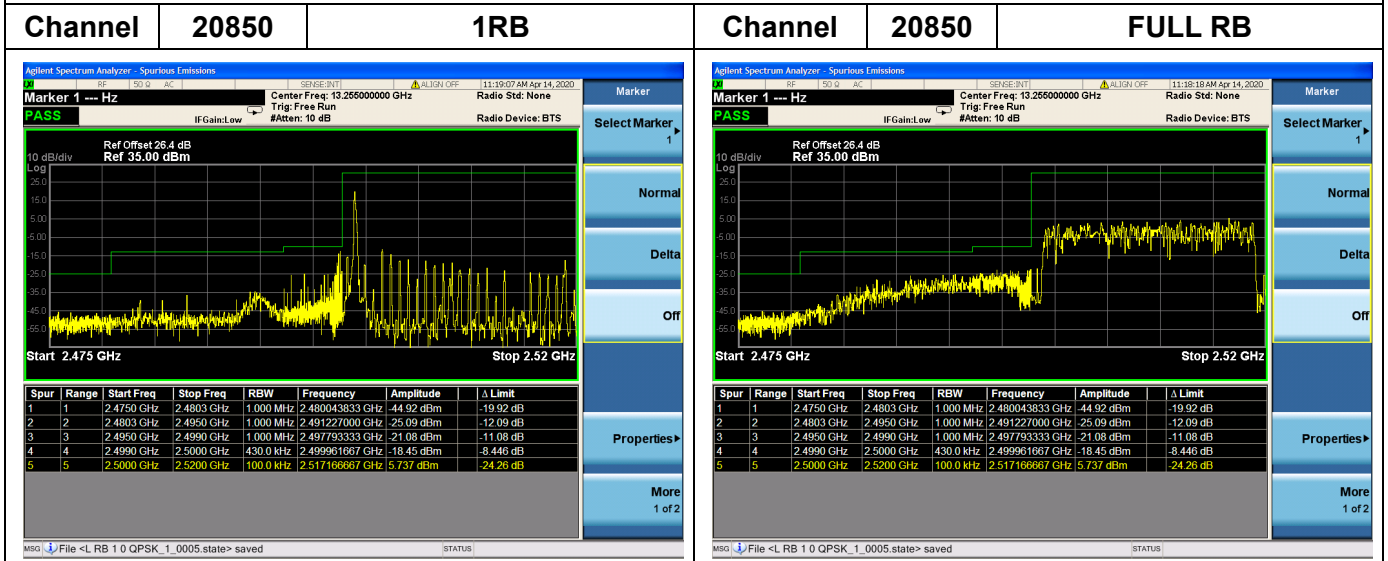
Channel Bandwidth: 15MHz

Channel	21375	1RB	Channel	21375	FULL RB																																																																																																
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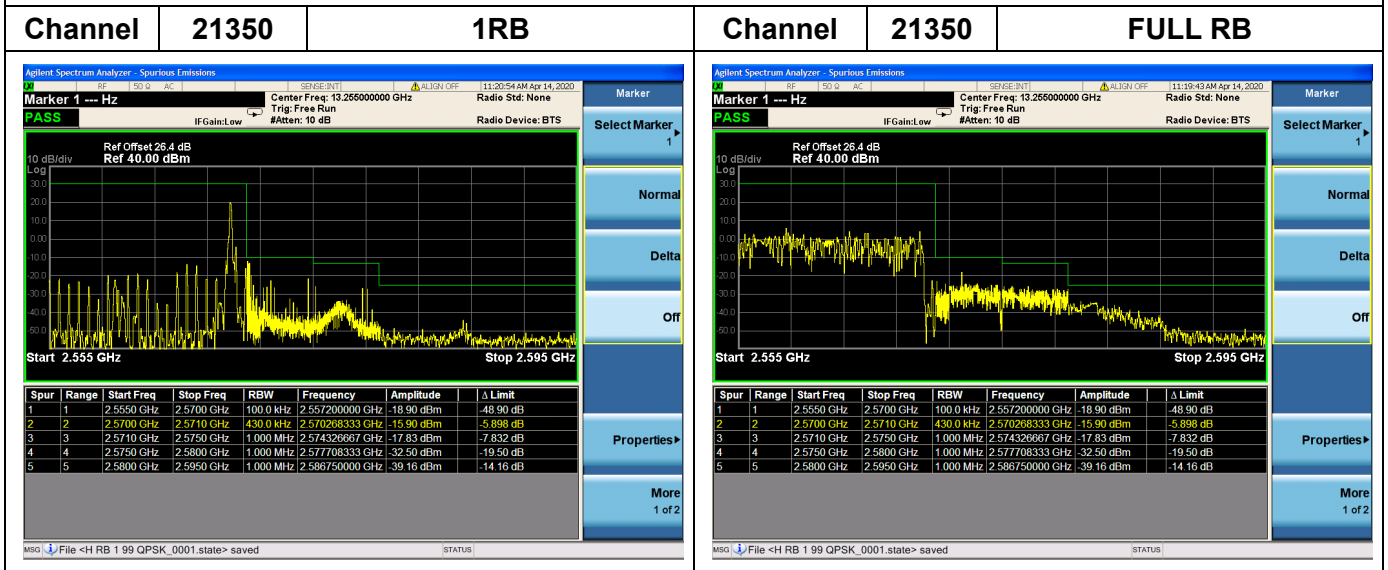


LTE Band 7

Channel Bandwidth: 20MHz



Channel Bandwidth: 20MHz





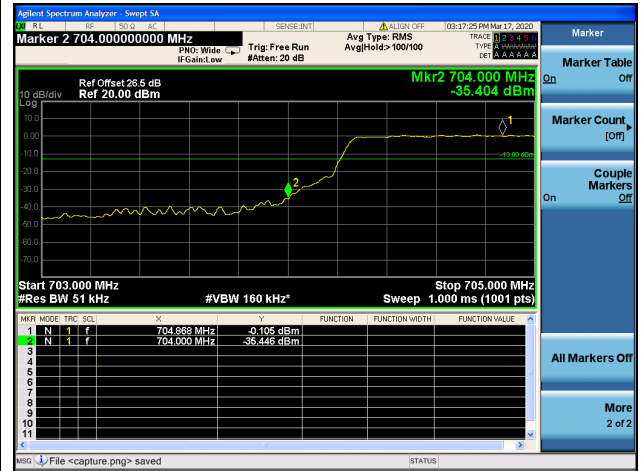
REPORT No. : SZ19120148W02



Band17 / 5MHz / Low CH / QPSK / 1 RB



Band17 / 5MHz / Low CH / QPSK / FULL RB



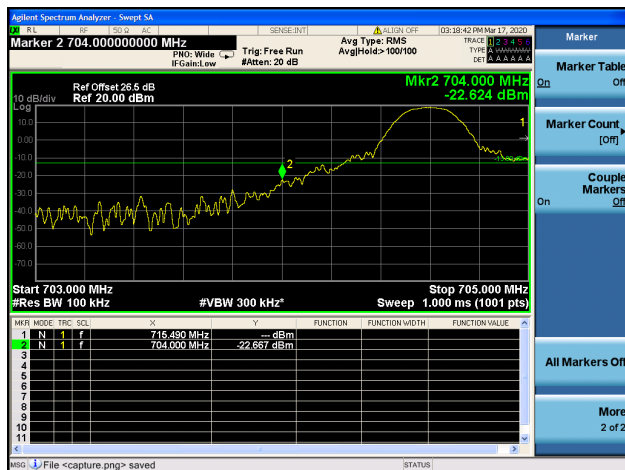
Band17 / 5MHz / High CH / QPSK / 1 RB



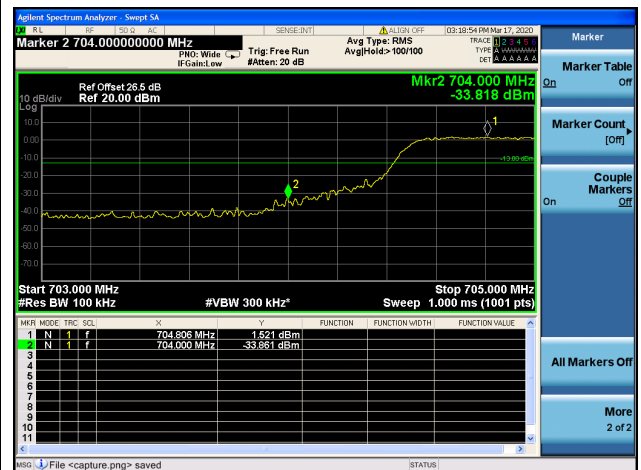
Band17 / 5MHz / High CH / QPSK / FULL RB

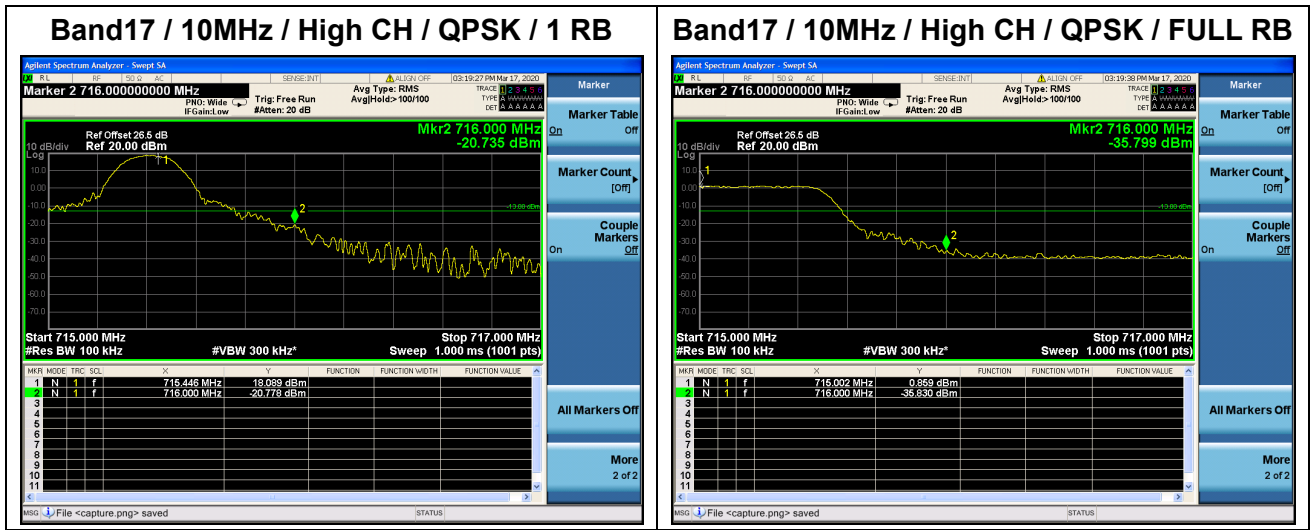


Band17 / 10MHz / Low CH / QPSK / 1 RB



Band17 / 10MHz / Low CH / QPSK / FULL RB





2.7. Radiated Spurious Emissions

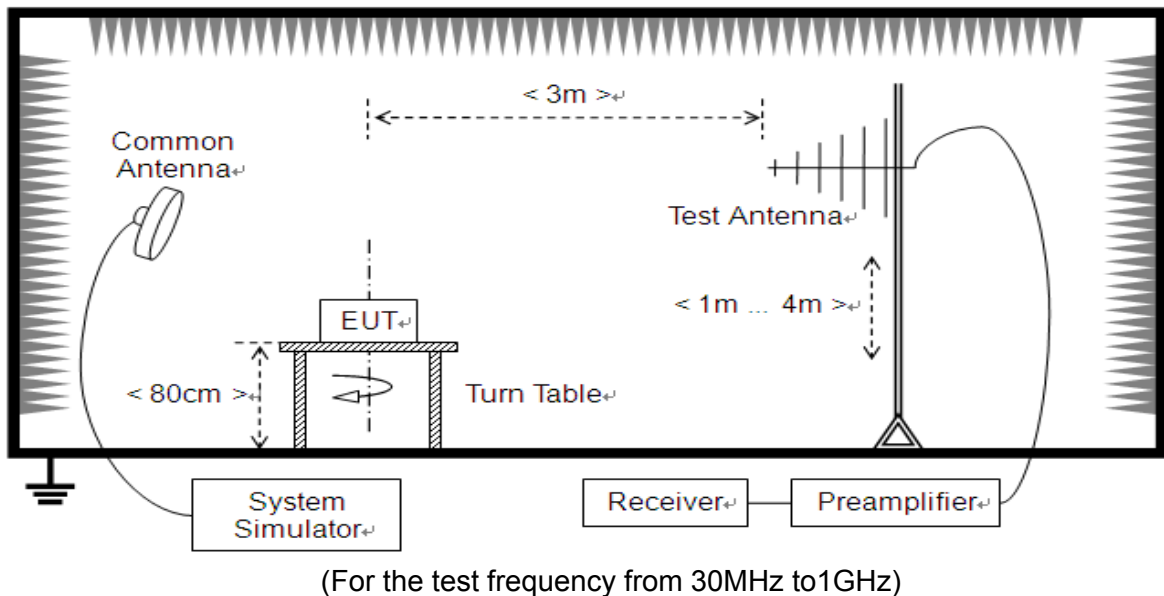
2.7.1. Requirement

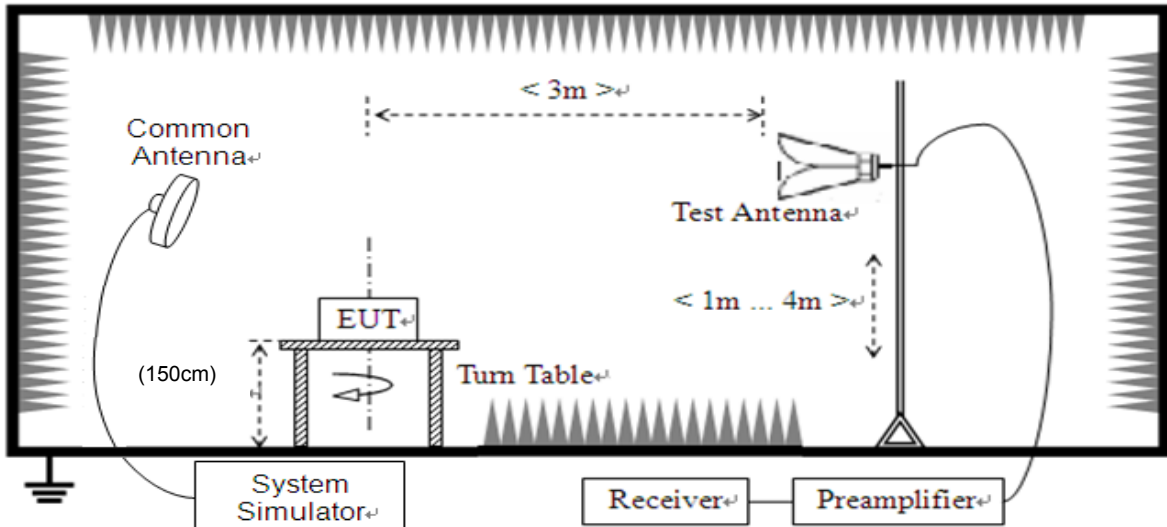
According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7:

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 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.

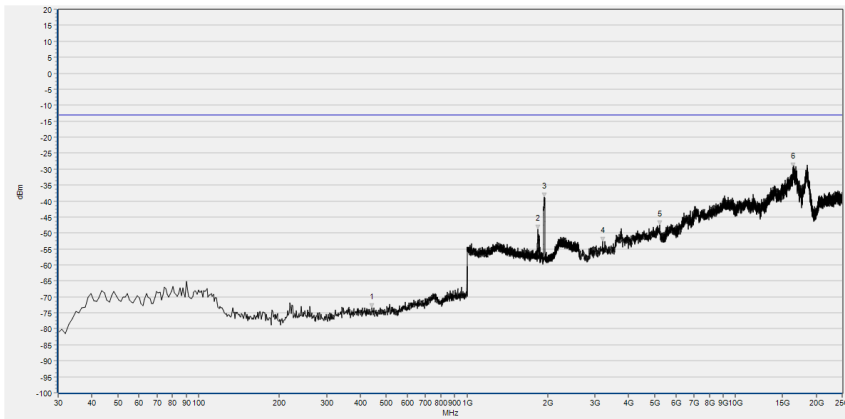
Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.7.3. Test procedure

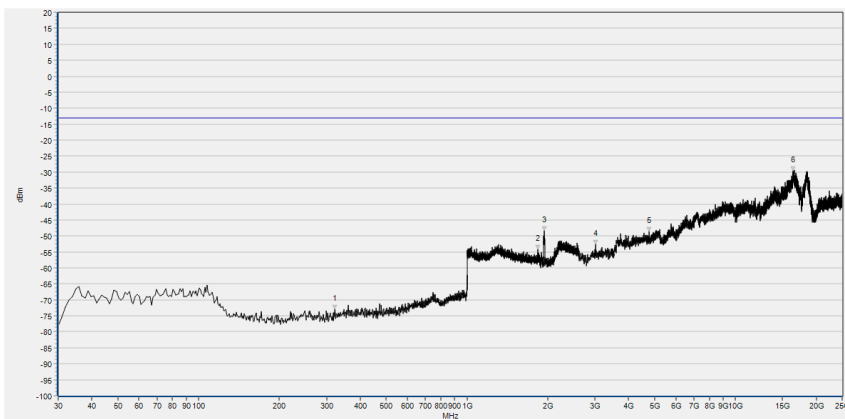
KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

2.7.4. Test Result

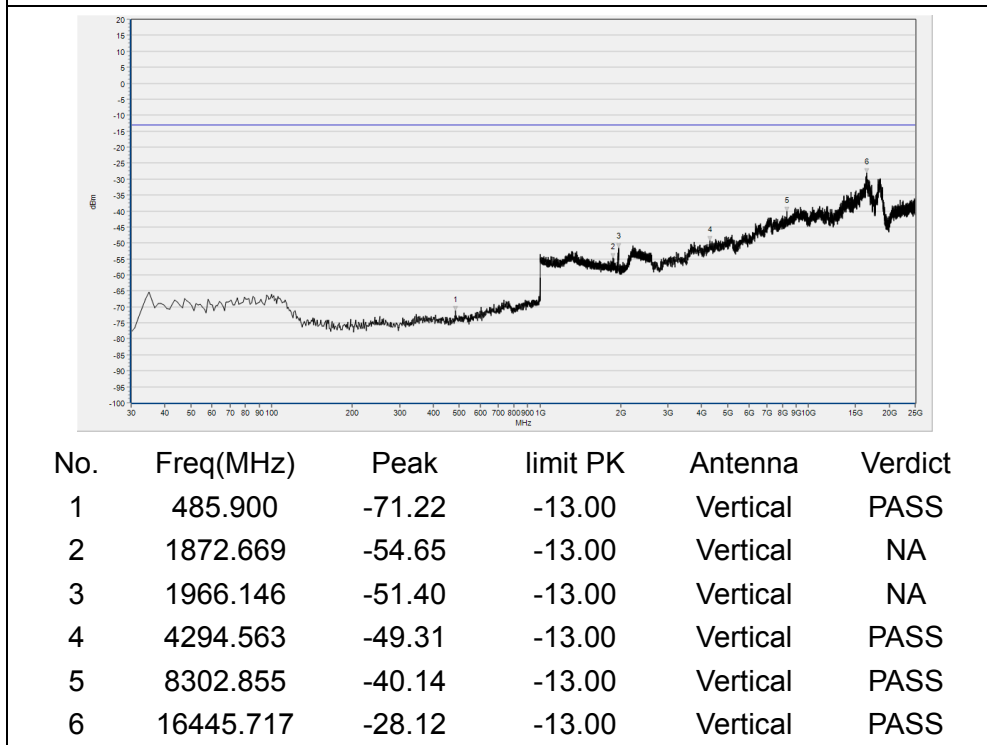
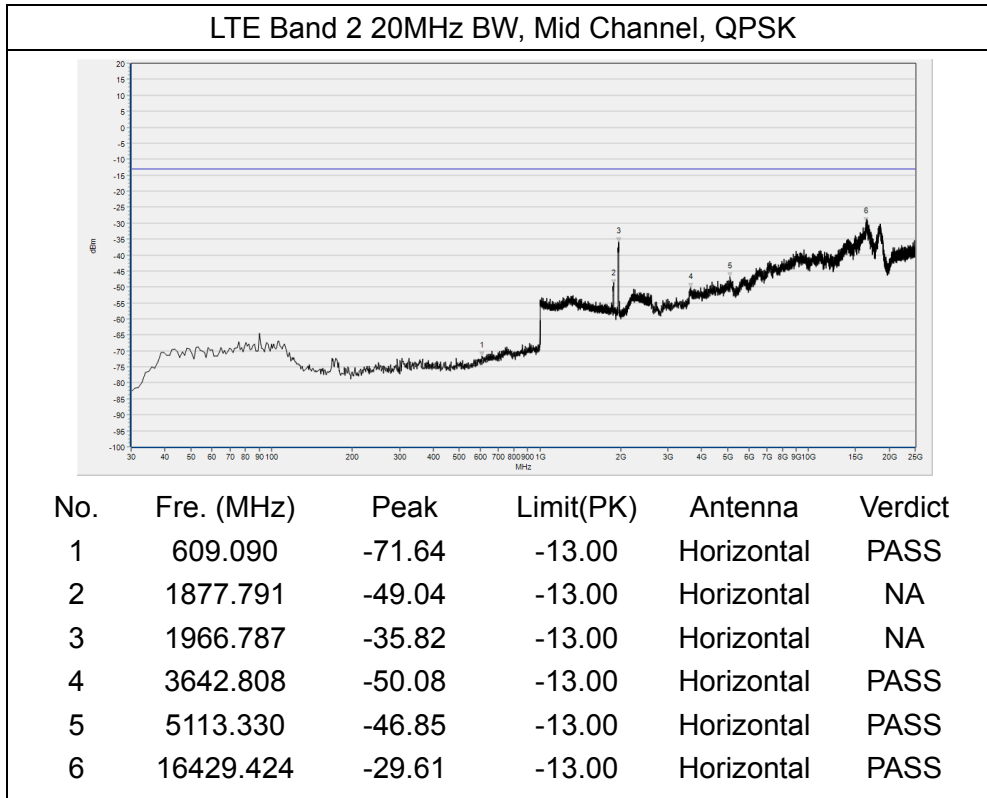
LTE Band 2 20MHz BW, Low Channel, QPSK



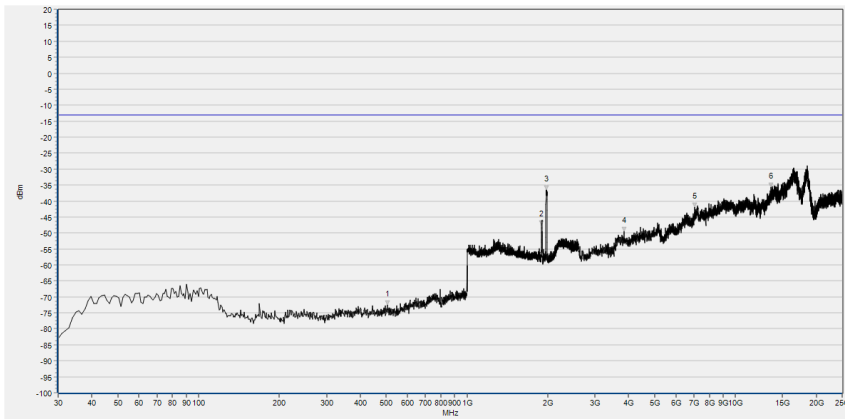
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	442.250	-73.49	-13.00	Horizontal	PASS
2	1833.613	-48.89	-13.00	Horizontal	NA
3	1945.658	-38.88	-13.00	Horizontal	NA
4	3198.800	-52.68	-13.00	Horizontal	PASS
5	5223.313	-47.48	-13.00	Horizontal	PASS
6	16437.570	-29.29	-13.00	Horizontal	PASS



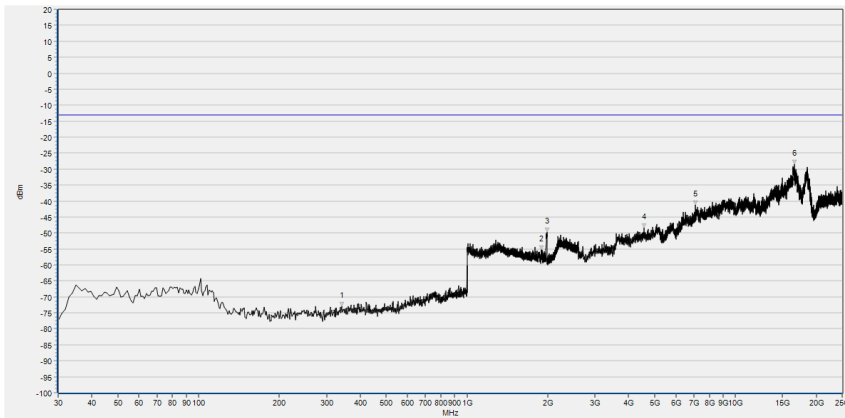
No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	321.970	-72.95	-13.00	Vertical	PASS
2	1833.613	-54.09	-13.00	Vertical	NA
3	1940.536	-48.35	-13.00	Vertical	NA
4	3019.567	-52.69	-13.00	Vertical	PASS
5	4779.305	-48.65	-13.00	Vertical	PASS
6	16425.350	-29.50	-13.00	Vertical	PASS



LTE Band 2 20MHz BW, High Channel, QPSK

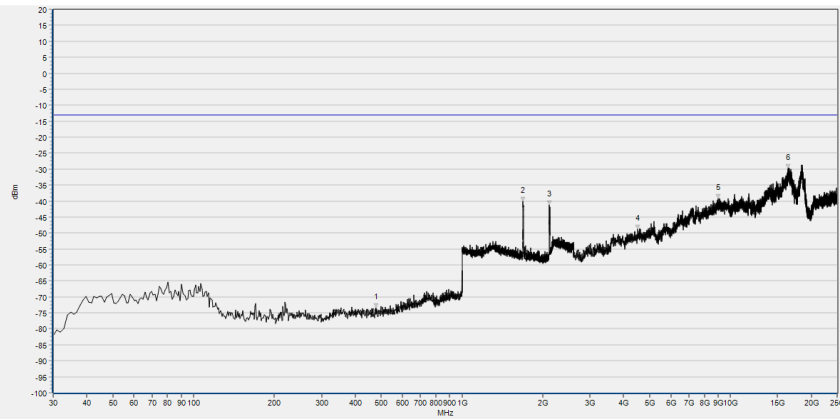


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	504.330	-72.60	-13.00	Horizontal	PASS
2	1898.920	-47.43	-13.00	Horizontal	NA
3	1973.830	-36.47	-13.00	Horizontal	NA
4	3842.408	-49.54	-13.00	Horizontal	PASS
5	7056.374	-41.85	-13.00	Horizontal	PASS
6	13582.069	-35.60	-13.00	Horizontal	PASS

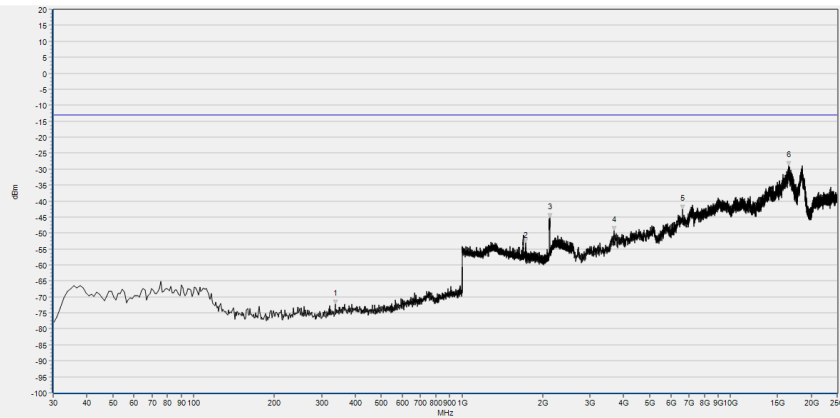


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	341.370	-72.97	-13.00	Vertical	PASS
2	1889.956	-55.35	-13.00	Vertical	NA
3	1986.635	-49.69	-13.00	Vertical	NA
4	4575.632	-48.44	-13.00	Vertical	PASS
5	7101.182	-41.18	-13.00	Vertical	PASS
6	16551.628	-28.45	-13.00	Vertical	PASS

LTE Band 4 20MHz BW, Low Channel, QPSK



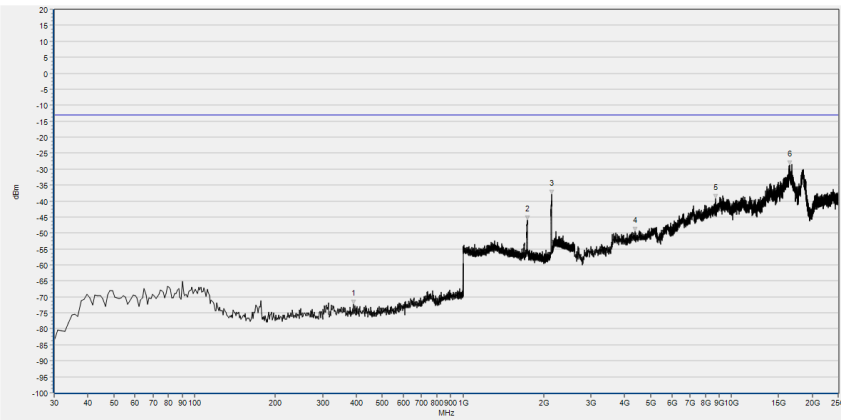
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	477.170	-73.49	-13.00	Horizontal	PASS
2	1690.836	-40.16	-13.00	Horizontal	NA
3	2112.765	-41.19	-13.00	Horizontal	NA
4	4522.677	-48.87	-13.00	Horizontal	PASS
5	9027.932	-39.31	-13.00	Horizontal	PASS
6	16409.056	-29.92	-13.00	Horizontal	PASS



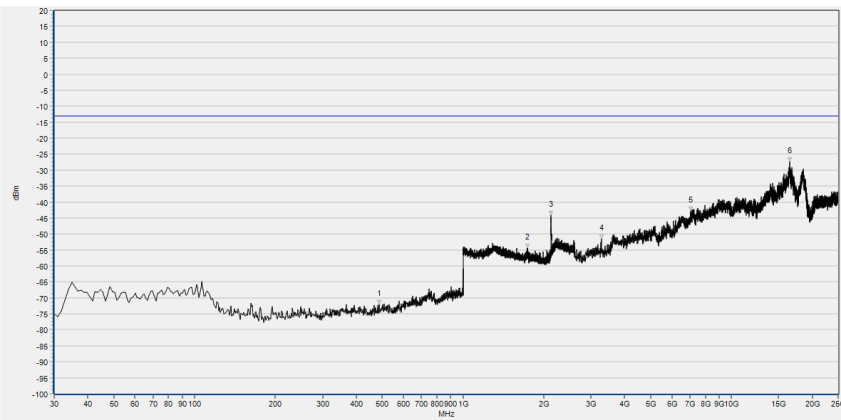
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	337.490	-72.20	-13.00	Vertical	PASS
2	1725.410	-53.06	-13.00	Vertical	NA
3	2122.369	-45.25	-13.00	Vertical	NA
4	3691.689	-49.28	-13.00	Vertical	PASS
5	6644.954	-42.55	-13.00	Vertical	PASS
6	16457.938	-28.88	-13.00	Vertical	PASS



LTE Band 4 20MHz BW, Mid Channel, QPSK

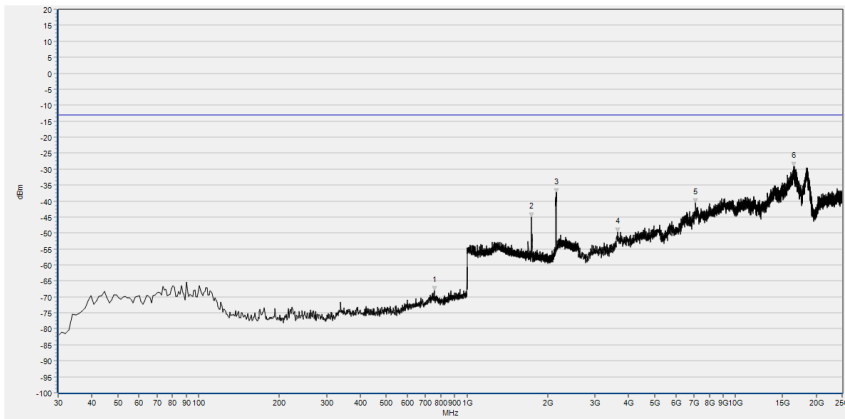


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	390.840	-72.34	-13.00	Horizontal	PASS
2	1736.935	-45.89	-13.00	Horizontal	NA
3	2139.016	-37.79	-13.00	Horizontal	NA
4	4367.885	-49.51	-13.00	Horizontal	PASS
5	8750.937	-39.22	-13.00	Horizontal	PASS
6	16466.085	-28.67	-13.00	Horizontal	PASS

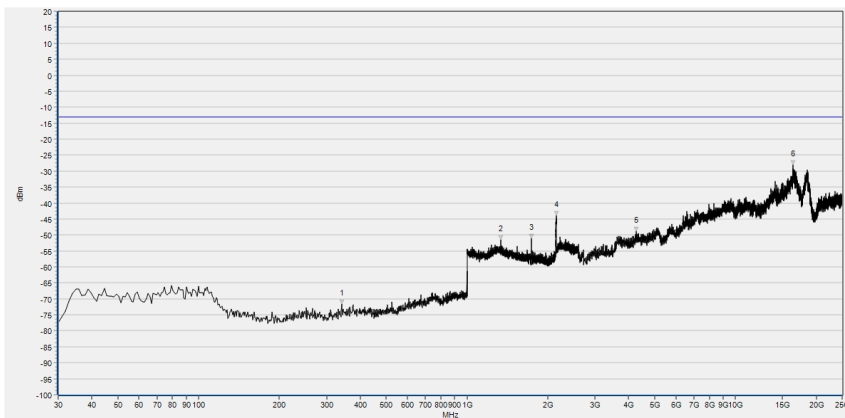


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	488.810	-72.04	-13.00	Vertical	PASS
2	1735.654	-54.51	-13.00	Vertical	NA
3	2126.210	-44.04	-13.00	Vertical	NA
4	3276.196	-51.59	-13.00	Vertical	PASS
5	7068.594	-42.89	-13.00	Vertical	PASS
6	16462.011	-27.41	-13.00	Vertical	PASS

LTE Band 4 20MHz BW, High Channel, QPSK

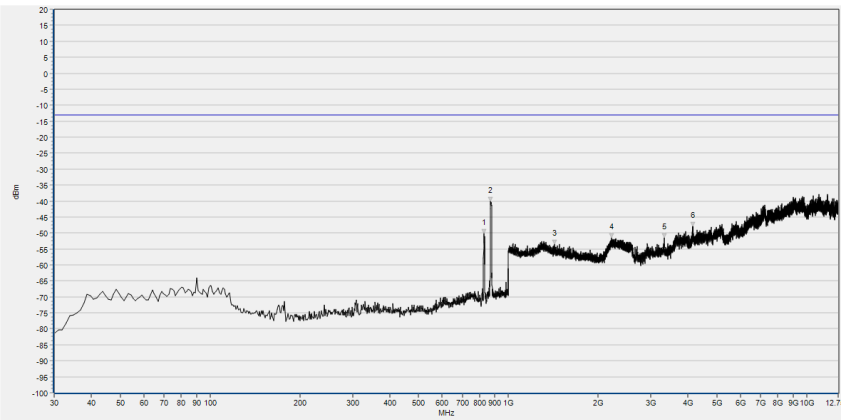


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	756.530	-68.09	-13.00	Horizontal	PASS
2	1736.295	-44.96	-13.00	Horizontal	NA
3	2149.900	-37.47	-13.00	Horizontal	NA
4	3638.734	-49.63	-13.00	Horizontal	PASS
5	7113.402	-40.52	-13.00	Horizontal	PASS
6	16535.334	-29.27	-13.00	Horizontal	PASS

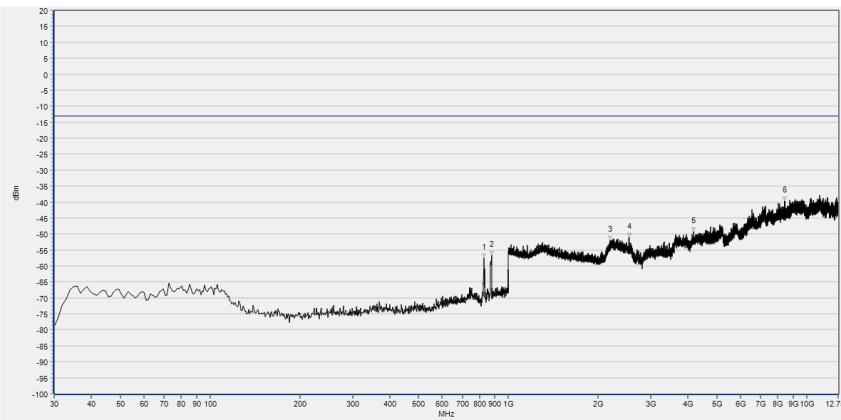


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	341.370	-71.54	-13.00	Vertical	PASS
2	1334.214	-51.55	-13.00	Vertical	PASS
3	1736.295	-51.03	-13.00	Vertical	NA
4	2150.540	-44.01	-13.00	Vertical	NA
5	4282.342	-48.87	-13.00	Vertical	PASS
6	16392.762	-27.94	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, Low Channel, QPSK

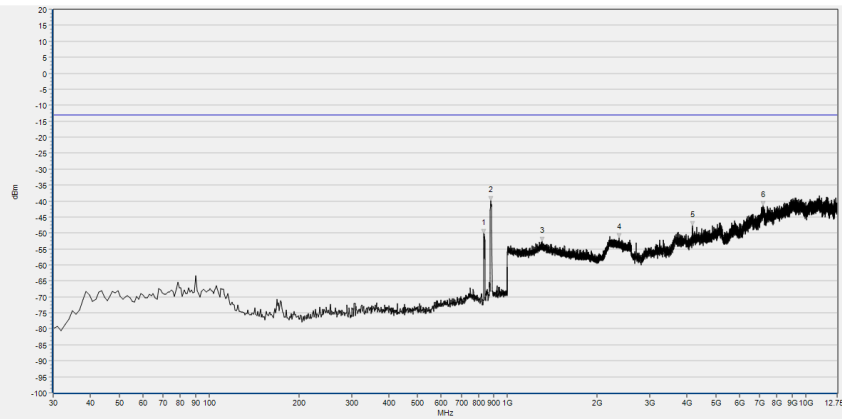


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	827.340	-50.20	-13.00	Horizontal	NA
2	871.960	-40.11	-13.00	Horizontal	NA
3	1430.892	-53.62	-13.00	Horizontal	PASS
4	2212.645	-51.51	-13.00	Horizontal	PASS
5	3325.396	-51.49	-13.00	Horizontal	PASS
6	4143.081	-47.97	-13.00	Horizontal	PASS

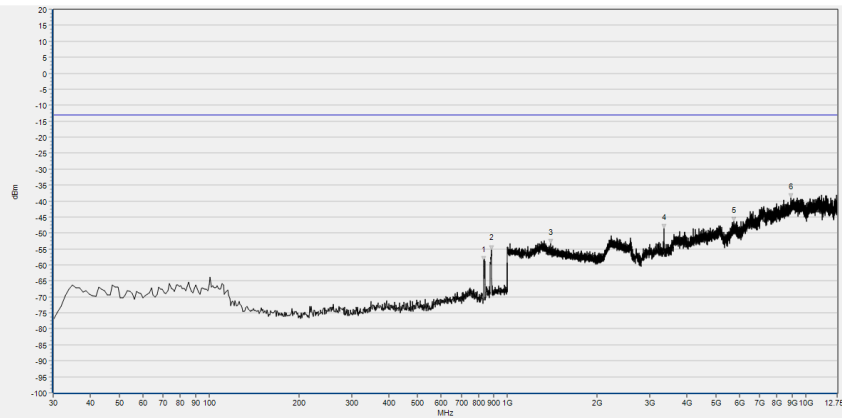


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	827.340	-57.58	-13.00	Vertical	NA
2	877.780	-56.54	-13.00	Vertical	NA
3	2186.395	-51.97	-13.00	Vertical	PASS
4	2536.615	-51.10	-13.00	Vertical	PASS
5	4179.996	-49.18	-13.00	Vertical	PASS
6	8453.001	-39.67	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, Mid Channel, QPSK

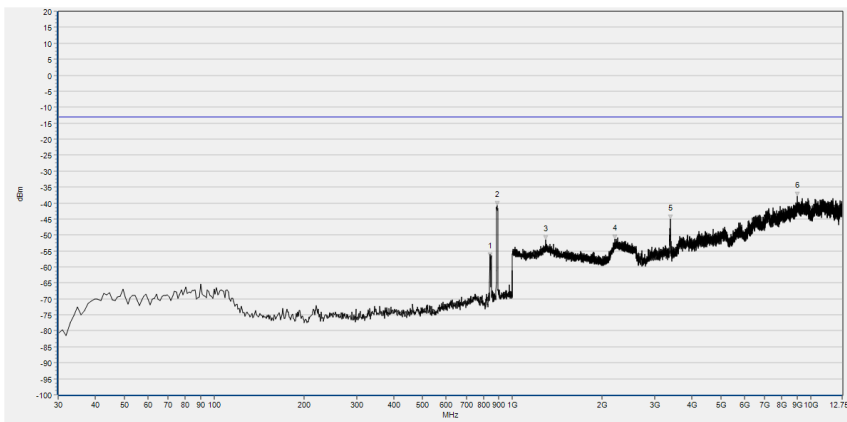


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	834.130	-50.06	-13.00	Horizontal	NA
2	879.720	-39.90	-13.00	Horizontal	NA
3	1309.884	-52.60	-13.00	Horizontal	PASS
4	2372.069	-51.47	-13.00	Horizontal	PASS
5	4179.996	-47.62	-13.00	Horizontal	PASS
6	7203.401	-41.56	-13.00	Horizontal	PASS

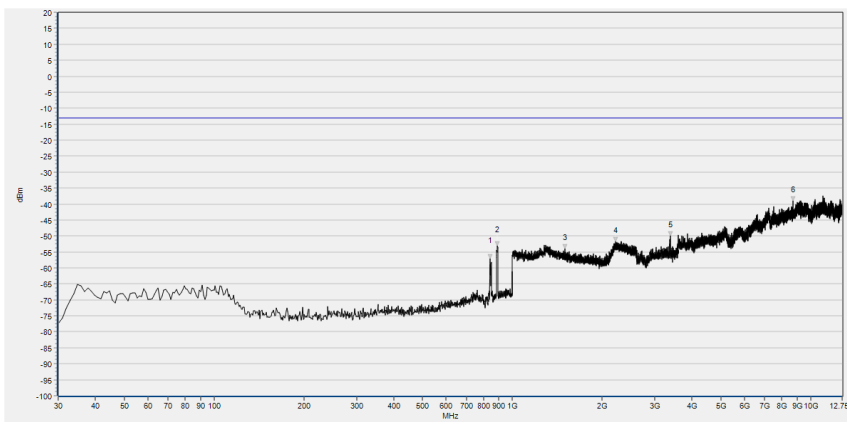


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	834.130	-58.74	-13.00	Vertical	NA
2	885.540	-55.20	-13.00	Vertical	NA
3	1397.599	-53.41	-13.00	Vertical	PASS
4	3345.699	-48.58	-13.00	Vertical	PASS
5	5750.764	-46.32	-13.00	Vertical	PASS
6	8925.523	-39.09	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, High Channel, QPSK



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	839.950	-56.90	-13.00	Horizontal	NA
2	887.480	-40.88	-13.00	Horizontal	NA
3	1293.237	-51.60	-13.00	Horizontal	PASS
4	2203.681	-51.40	-13.00	Horizontal	PASS
5	3384.461	-45.07	-13.00	Horizontal	PASS
6	9006.738	-37.96	-13.00	Horizontal	PASS



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	842.860	-57.11	-13.00	Vertical	NA
2	891.360	-53.18	-13.00	Vertical	NA
3	1498.119	-53.99	-13.00	Vertical	PASS
4	2211.365	-51.70	-13.00	Vertical	PASS
5	3384.461	-49.96	-13.00	Vertical	PASS
6	8709.565	-38.97	-13.00	Vertical	PASS