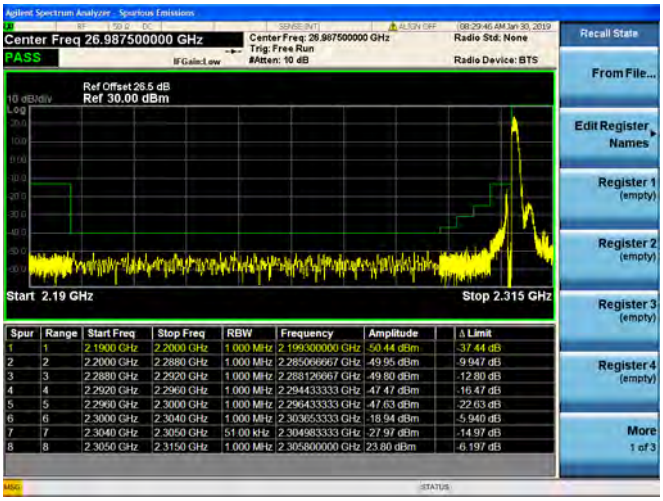
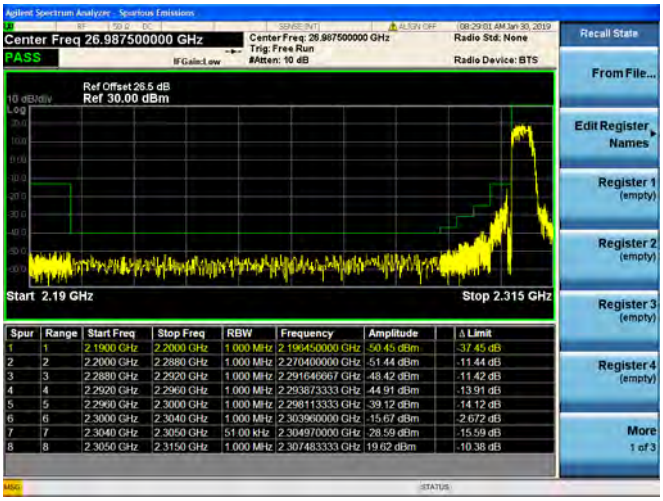
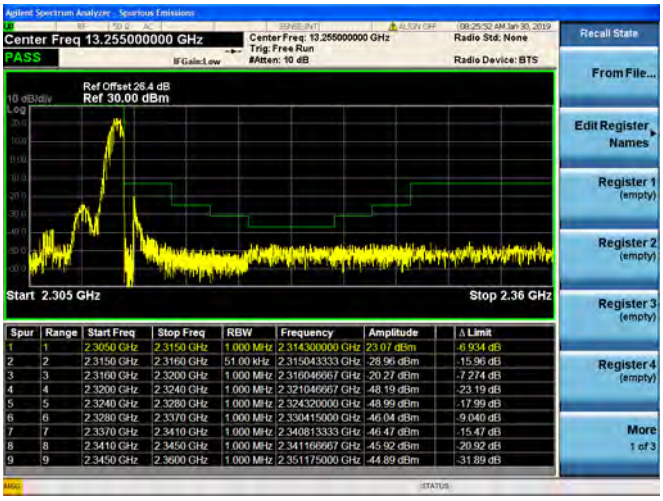
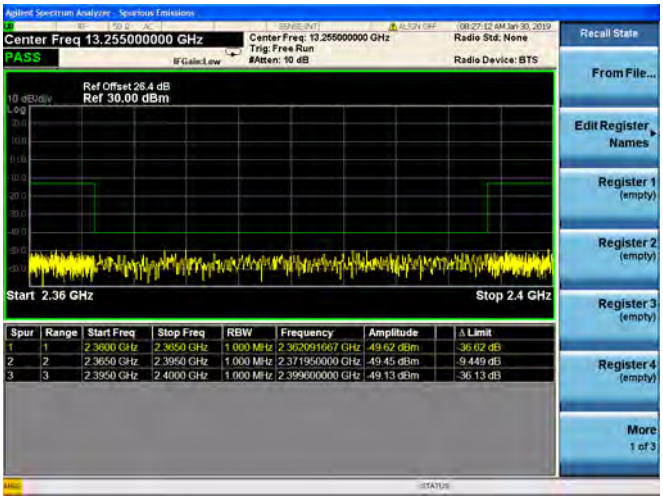
LTE Band 26					
Channel Bandwidth: 5MHz					
Channel	26815	1 RB	Channel	27015	FULL RB

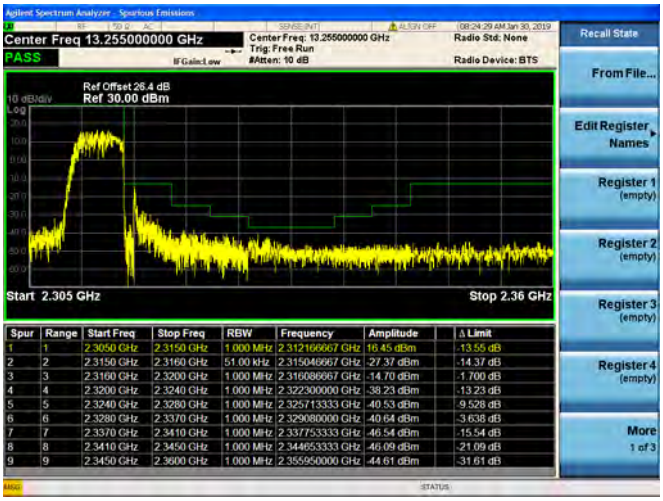
Channel Bandwidth: 5MHz					
Channel	26815	1 RB	Channel	27015	FULL RB

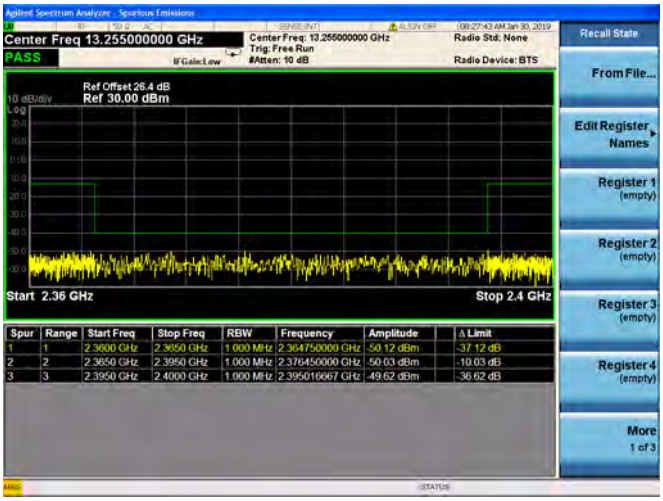
LTE Band 26					
Channel Bandwidth: 10MHz					
Channel	26840	1 RB	Channel	26990	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	26840	1 RB	Channel	26990	FULL RB
					

LTE Band 26					
Channel Bandwidth: 15MHz					
Channel	26865	1 RB	Channel	26965	FULL RB
					
Channel Bandwidth: 15MHz					
Channel	26865	1 RB	Channel	26965	FULL RB
					

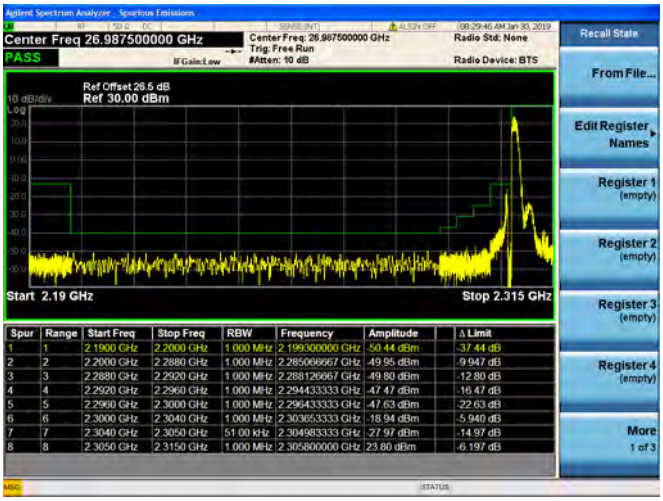
LTE Band 30					
Channel Bandwidth: 5MHz					
Channel	27685	1RB	Channel	27685	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	27735	1RB	Channel	27735	1RB
					

LTE Band 30					
Channel Bandwidth: 5MHz					
Channel	27735	FULL RB	Channel	27735	FULL RB

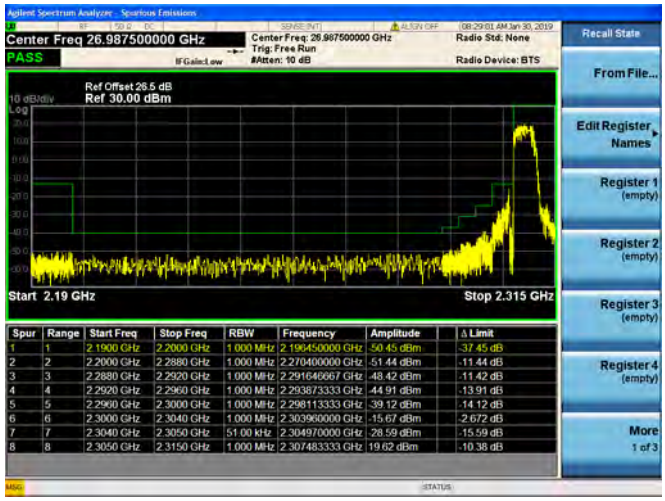




LTE Band 30					
Channel Bandwidth: 10MHz					
Channel	27710	1RB	Channel	27710	FULL RB

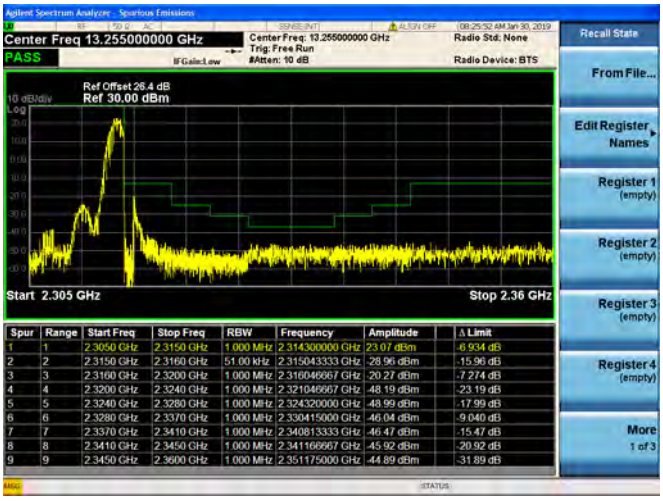


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.199300000 GHz	-50.44 dBm	-37.44 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.285066667 GHz	-49.95 dBm	-9.947 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.288126667 GHz	-49.80 dBm	-12.80 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.294433333 GHz	-47.47 dBm	-16.47 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.296433333 GHz	-47.63 dBm	-22.63 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.303653333 GHz	-18.94 dBm	-5.940 dB
7	7	2.3040 GHz	2.3050 GHz	51.00 kHz	2.304983333 GHz	-27.97 dBm	-14.97 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.305800000 GHz	23.80 dBm	-6.197 dB

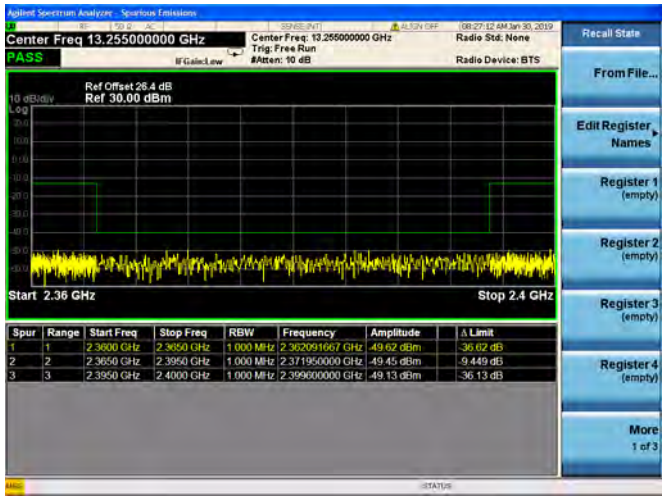


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.196450000 GHz	-50.45 dBm	-37.45 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.270400000 GHz	-51.44 dBm	-11.44 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291646667 GHz	-48.42 dBm	-11.42 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.293873333 GHz	-44.91 dBm	-13.91 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.298113333 GHz	-39.12 dBm	-14.12 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.303960000 GHz	-15.67 dBm	-2.672 dB
7	7	2.3040 GHz	2.3050 GHz	51.00 kHz	2.304970000 GHz	-28.59 dBm	-15.59 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.307483333 GHz	19.62 dBm	-10.38 dB

Channel Bandwidth: 10MHz					
Channel	27710	1RB	Channel	27710	1RB

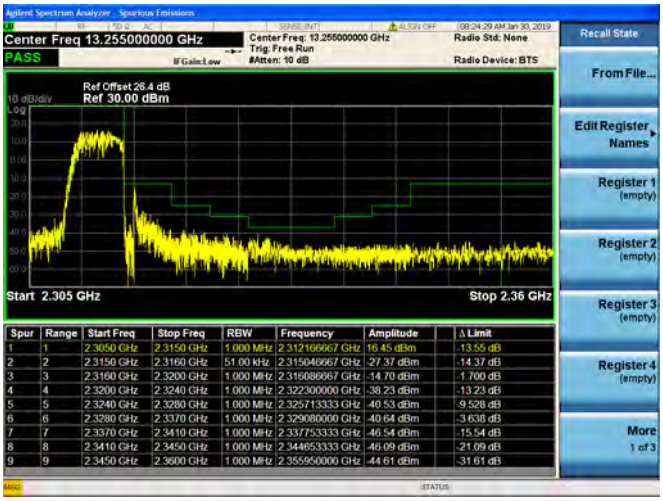


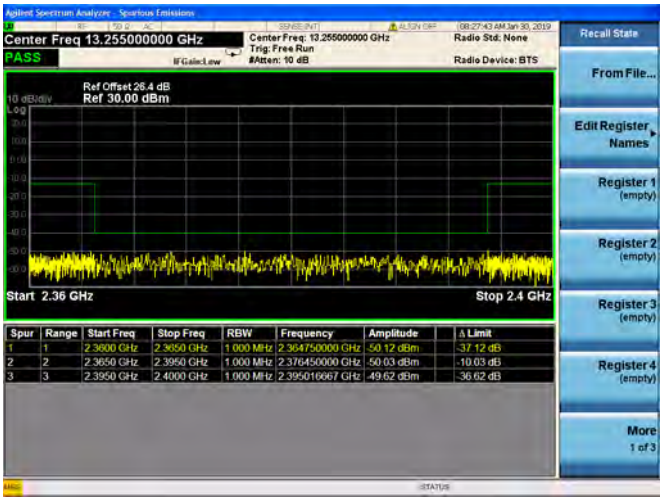
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3150 GHz	1.000 MHz	2.314300000 GHz	23.07 dBm	-6.934 dB
2	2	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315043333 GHz	-28.96 dBm	-15.96 dB
3	3	2.3160 GHz	2.3200 GHz	1.000 MHz	2.316046667 GHz	-20.27 dBm	-7.274 dB
4	4	2.3200 GHz	2.3240 GHz	1.000 MHz	2.321046667 GHz	-48.19 dBm	-23.19 dB
5	5	2.3240 GHz	2.3280 GHz	1.000 MHz	2.324320000 GHz	-48.99 dBm	-17.99 dB
6	6	2.3280 GHz	2.3370 GHz	1.000 MHz	2.330415000 GHz	-46.04 dBm	-9.040 dB
7	7	2.3370 GHz	2.3410 GHz	1.000 MHz	2.340813333 GHz	-46.47 dBm	-15.47 dB
8	8	2.3410 GHz	2.3450 GHz	1.000 MHz	2.341166667 GHz	-45.92 dBm	-20.92 dB
9	9	2.3450 GHz	2.3600 GHz	1.000 MHz	2.351175000 GHz	-44.89 dBm	-31.89 dB

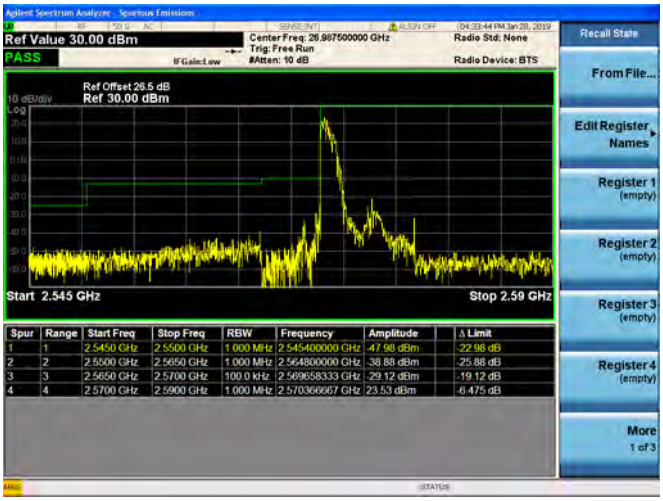
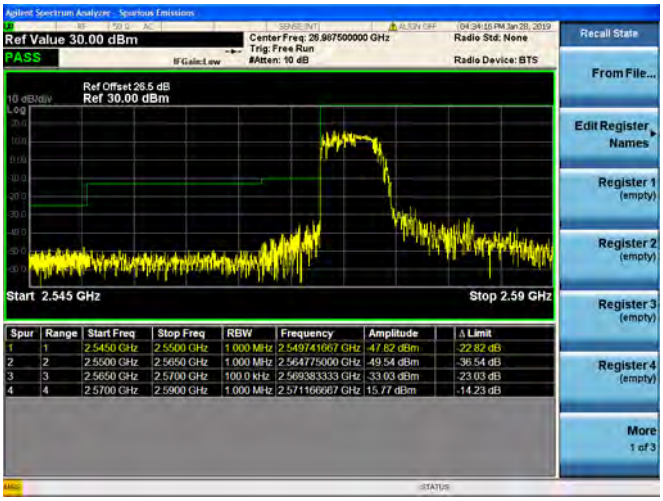
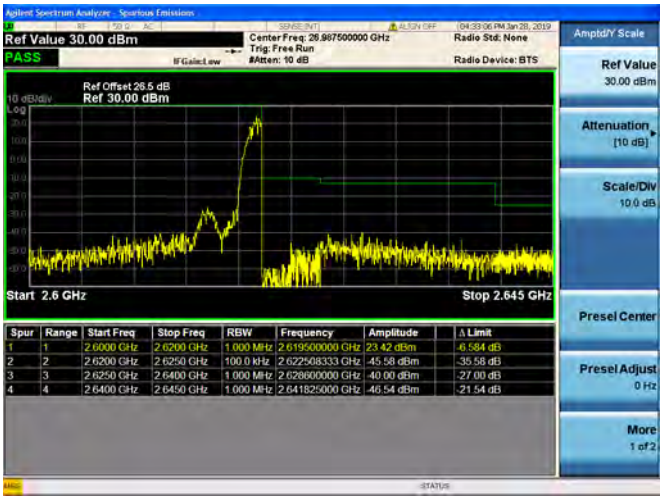
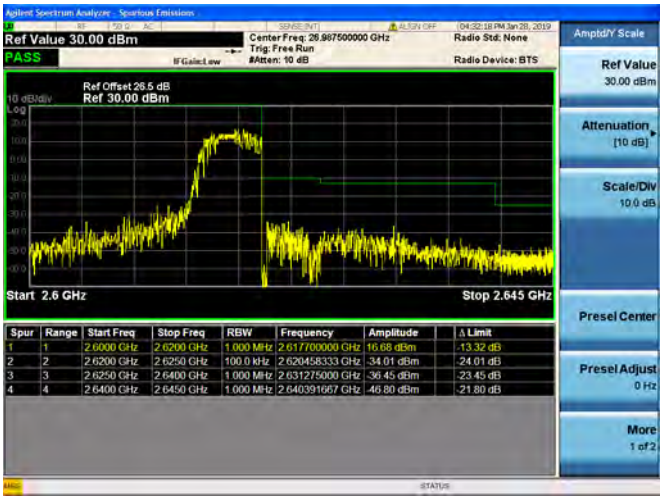


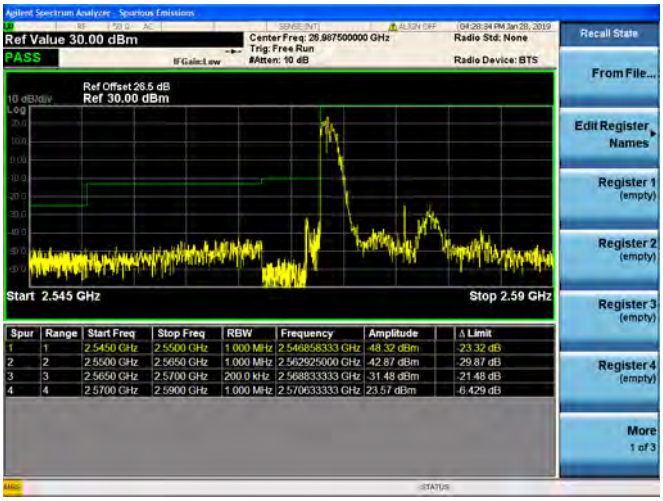
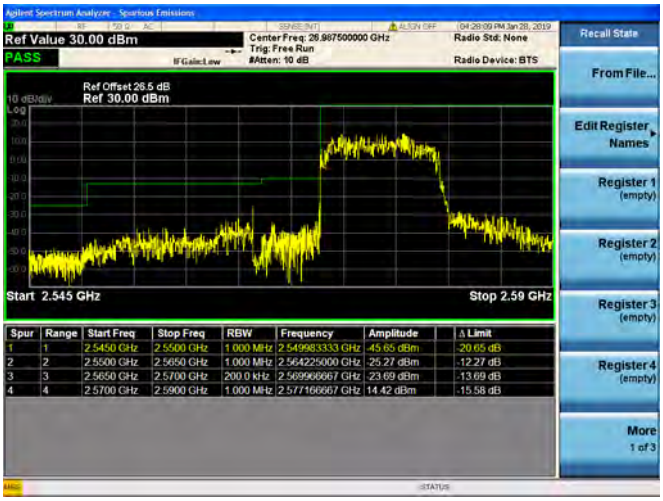
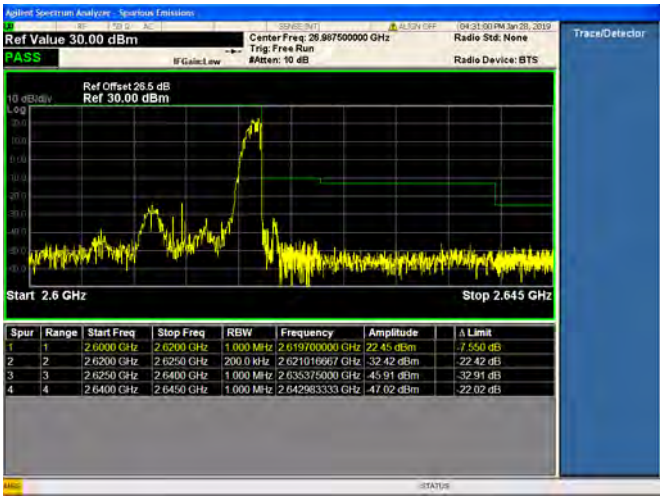
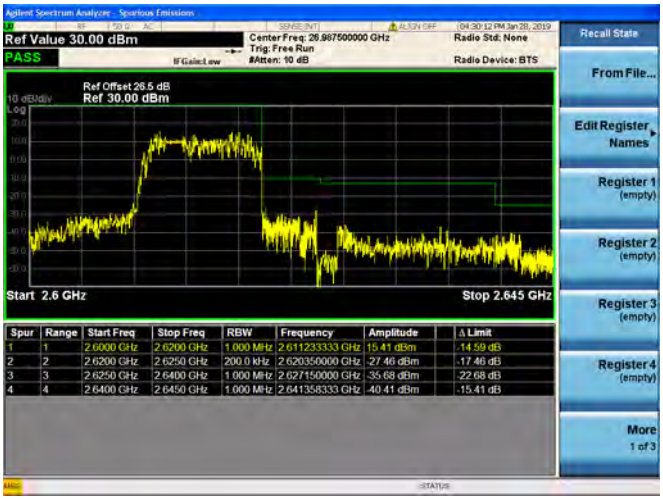
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3600 GHz	2.3650 GHz	1.000 MHz	2.362091667 GHz	-49.62 dBm	-36.62 dB
2	2	2.3650 GHz	2.3950 GHz	1.000 MHz	2.371950000 GHz	-49.45 dBm	-9.449 dB
3	3	2.3950 GHz	2.4000 GHz	1.000 MHz	2.399600000 GHz	-49.13 dBm	-36.13 dB

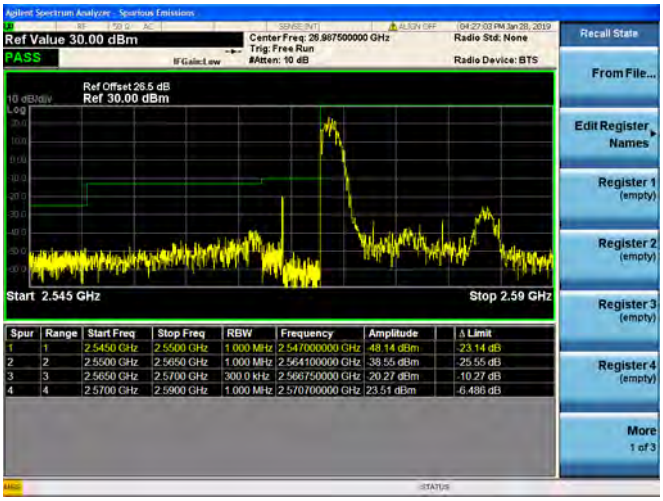
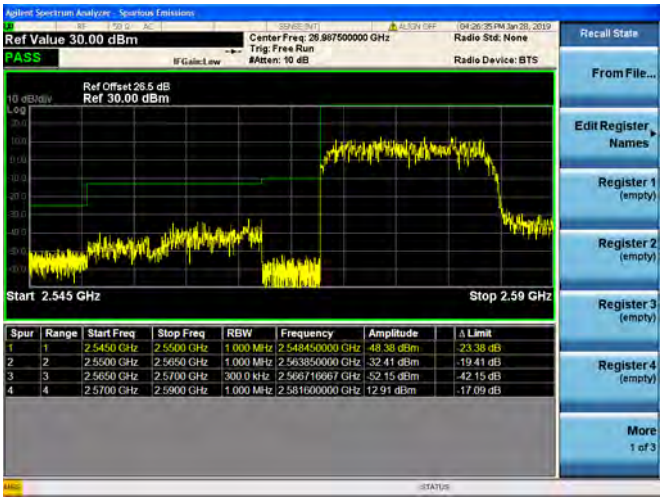
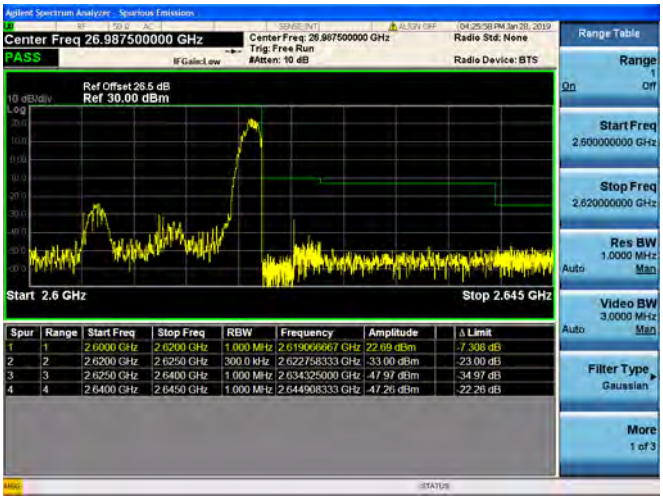
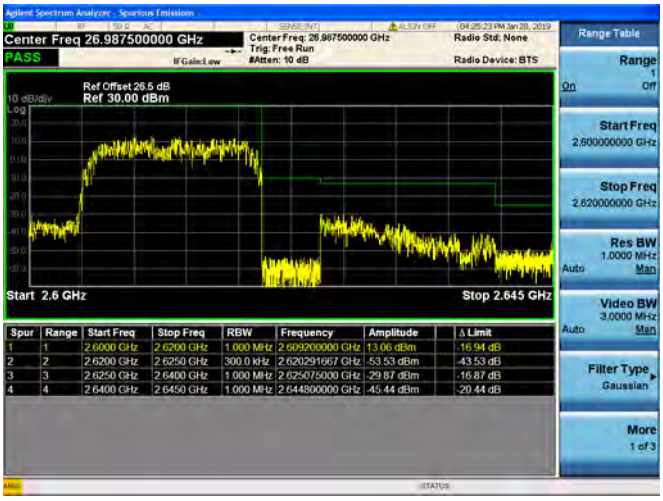
LTE Band 30					
Channel Bandwidth: 10MHz					
Channel	27710	FULL RB	Channel	27710	FULL RB

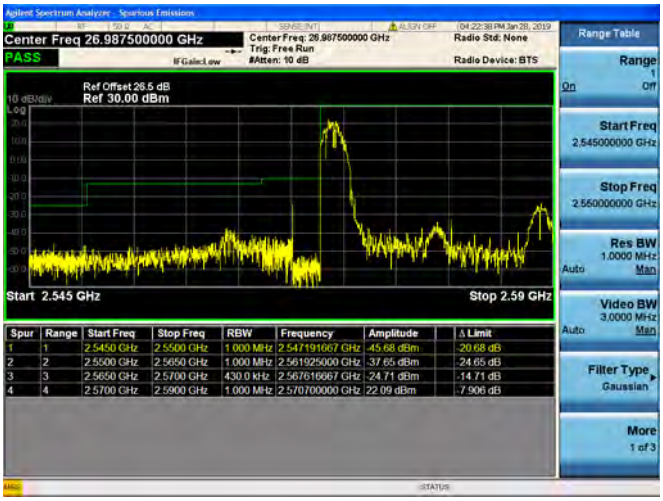
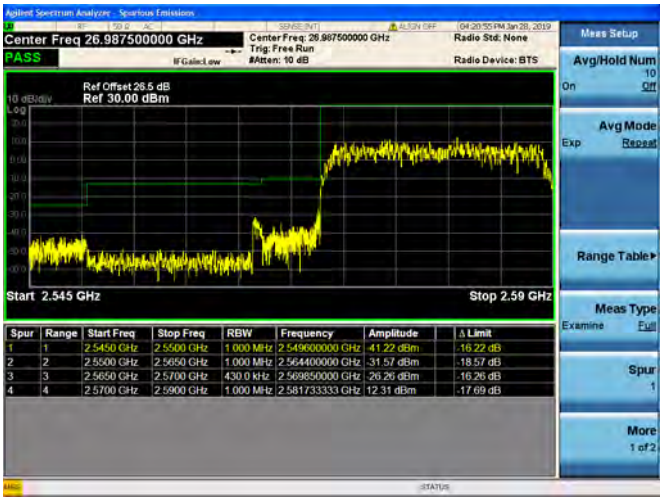
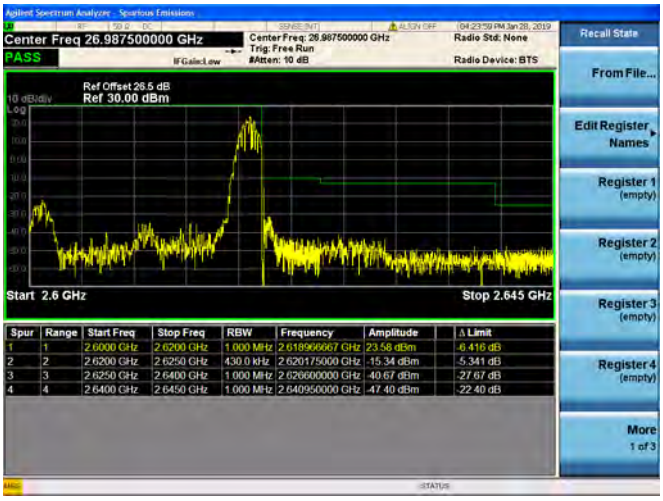
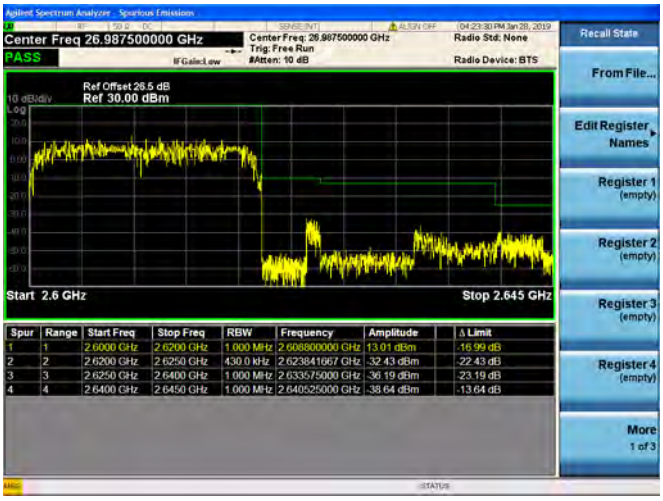


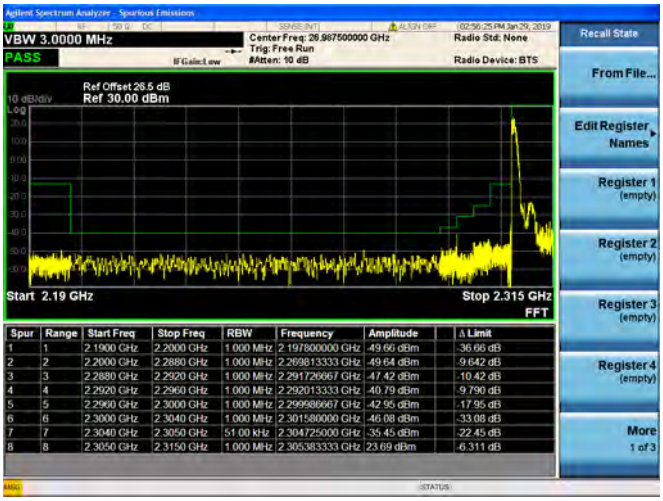
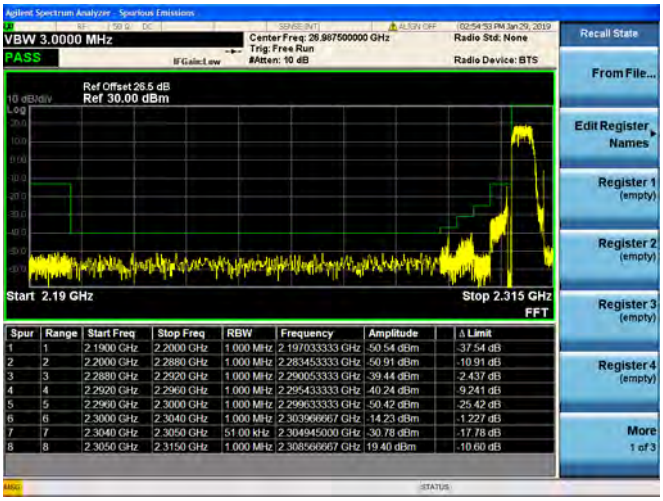
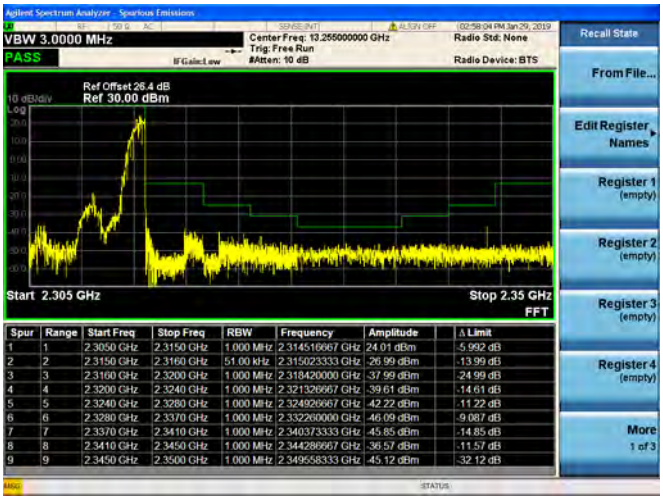
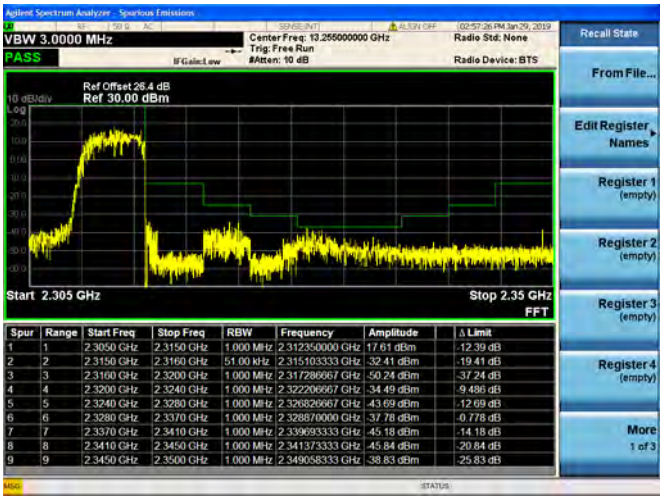


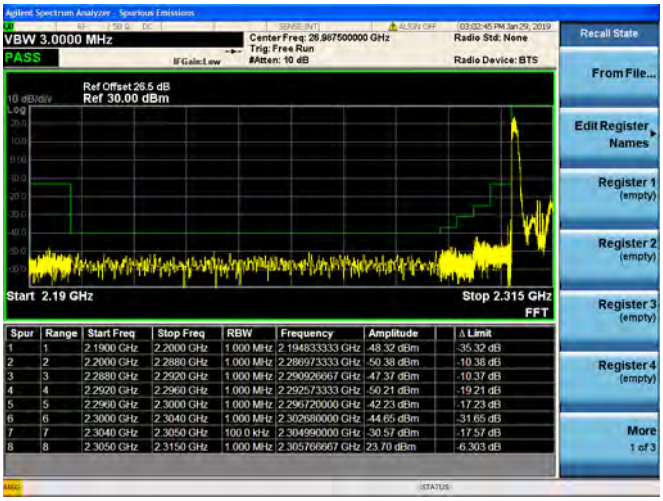
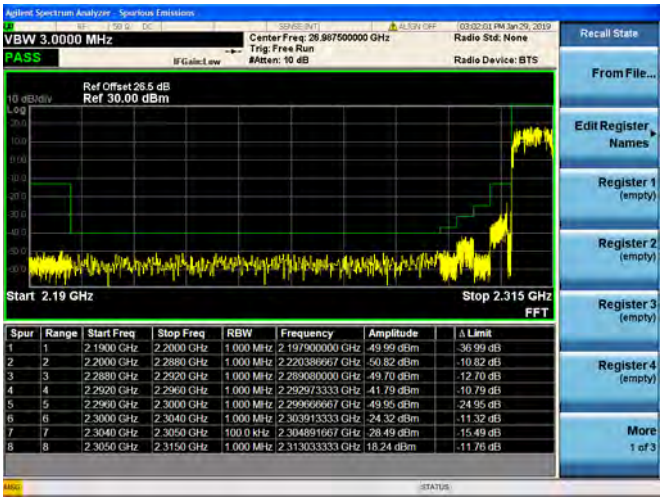
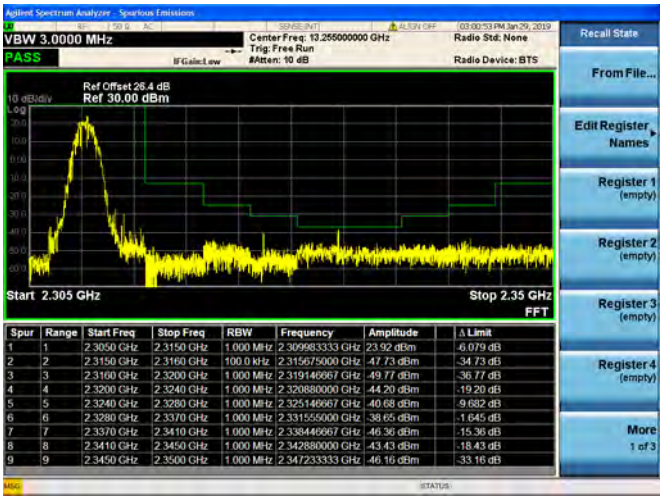
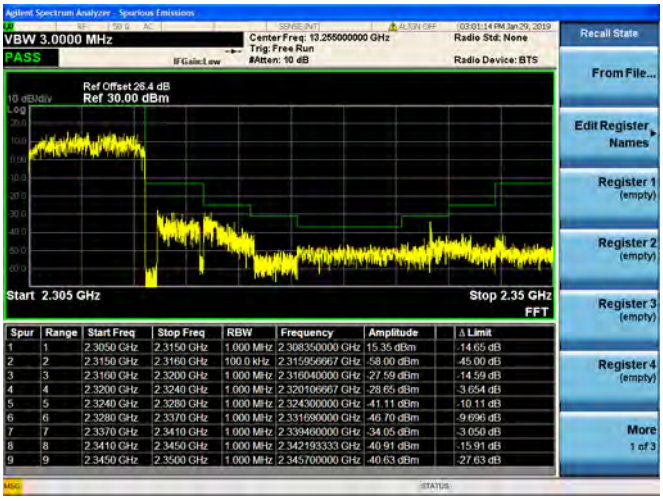
LTE Band 38					
Channel Bandwidth: 5MHz					
Channel	37775	1 RB	Channel	37775	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	38225	1 RB	Channel	38225	FULL RB
					

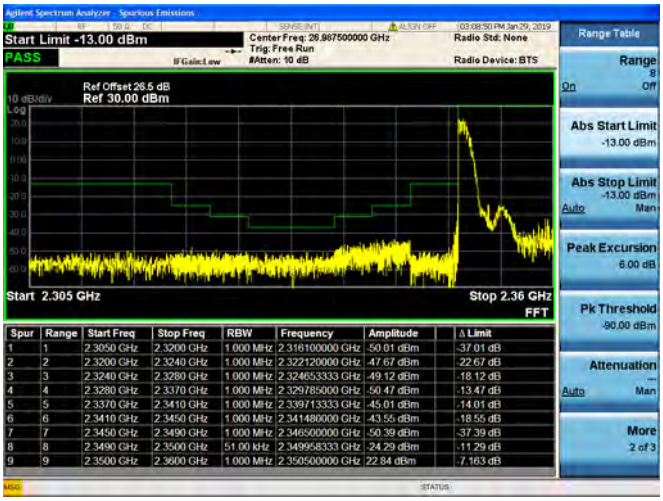
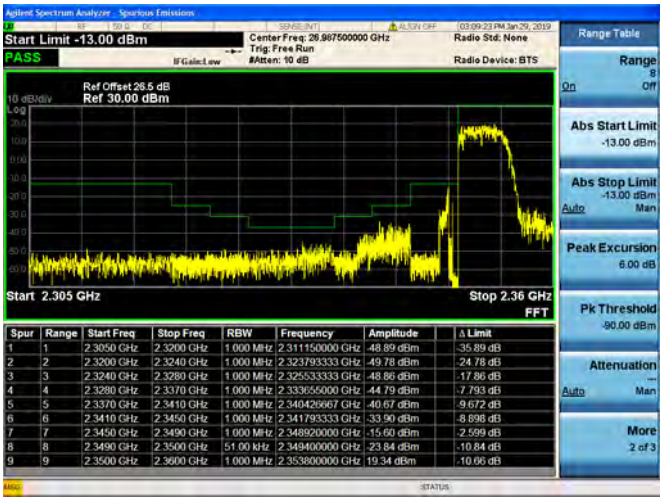
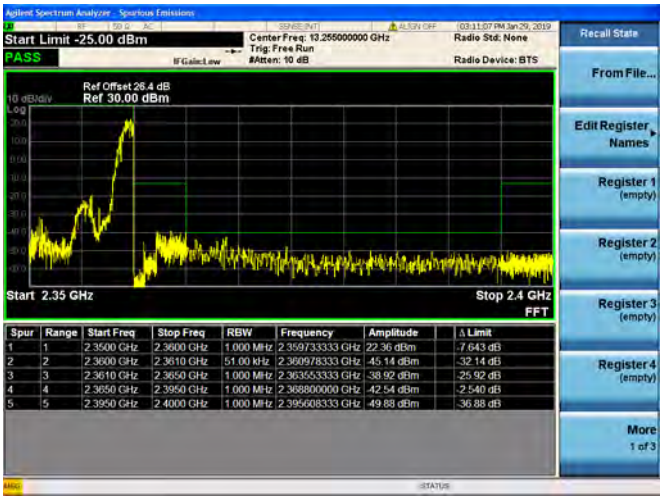
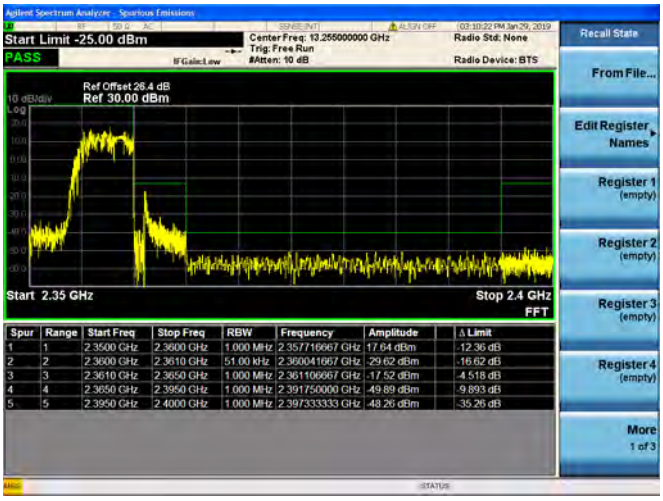
LTE Band 38					
Channel Bandwidth: 10MHz					
Channel	37800	1 RB	Channel	37800	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	38200	1 RB	Channel	38200	FULL RB
					

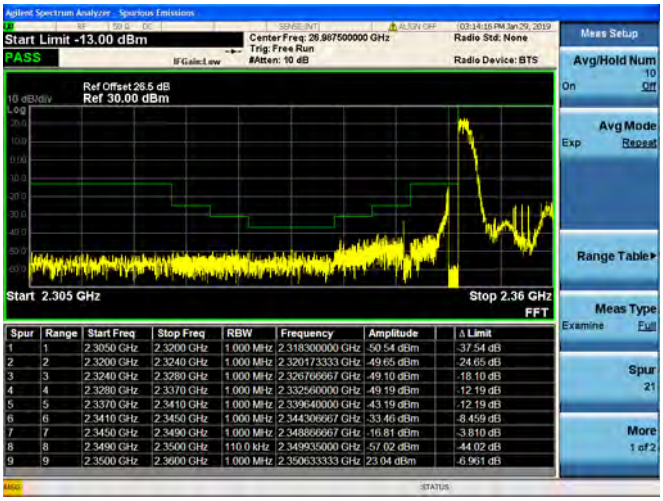
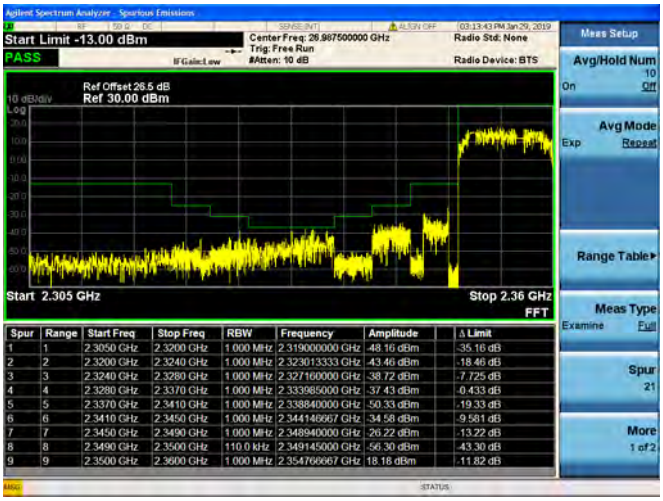
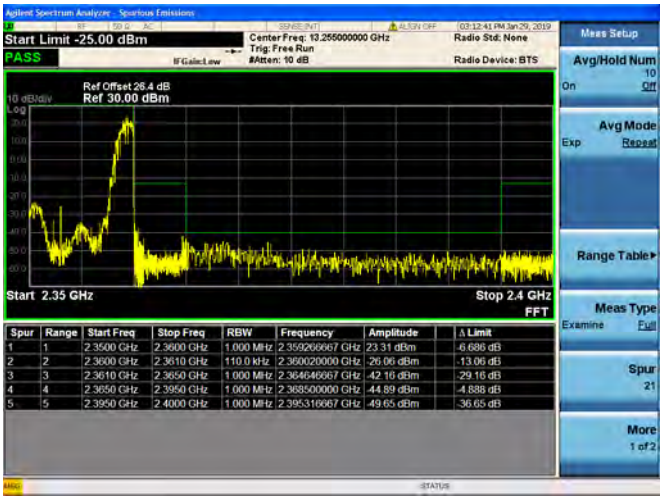
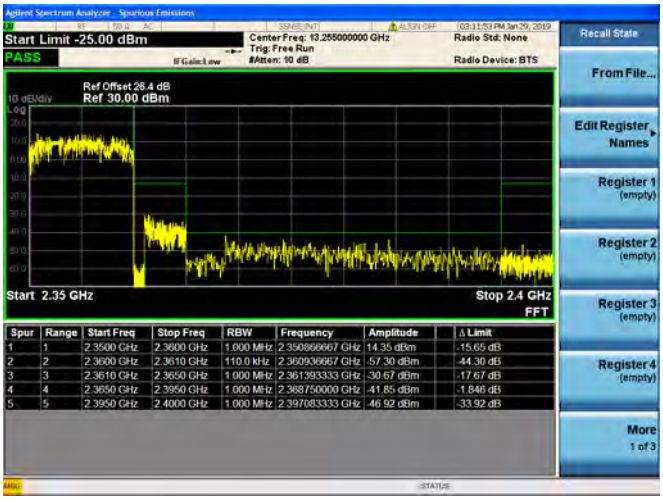
LTE Band 38					
Channel Bandwidth: 15MHz					
Channel	37825	1 RB	Channel	37825	FULL RB
					
Channel Bandwidth: 15MHz					
Channel	38175	1 RB	Channel	38175	FULL RB
					

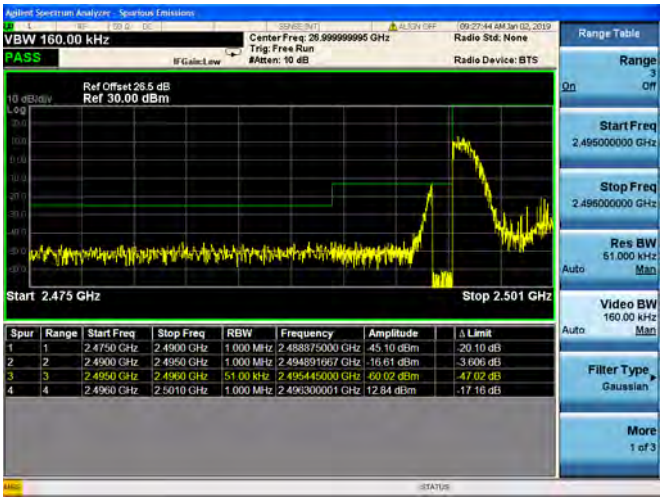
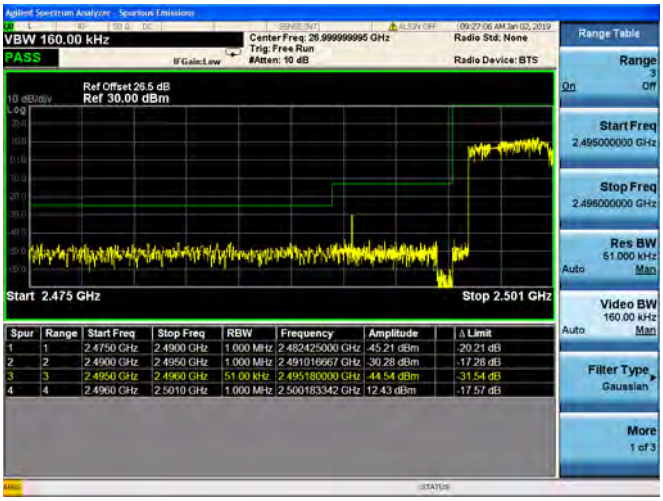
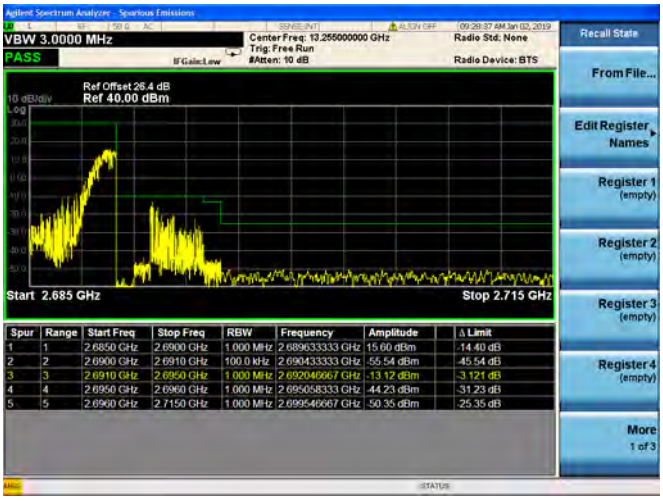
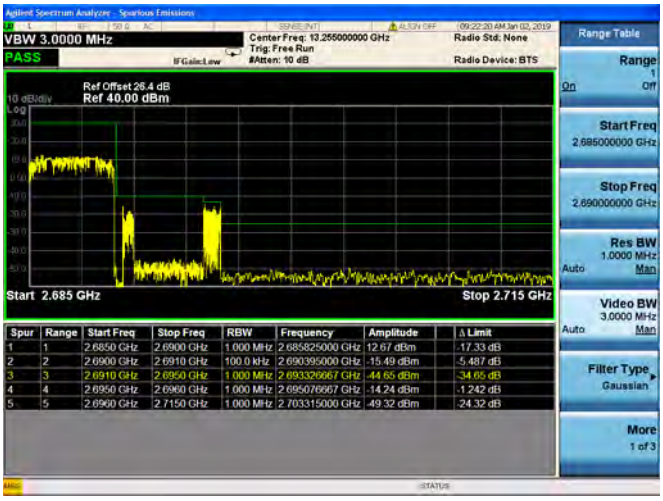
LTE Band 38					
Channel Bandwidth: 20MHz					
Channel	37850	1 RB	Channel	37850	FULL RB
					
Channel Bandwidth: 20MHz					
Channel	38150	1 RB	Channel	38150	FULL RB
					

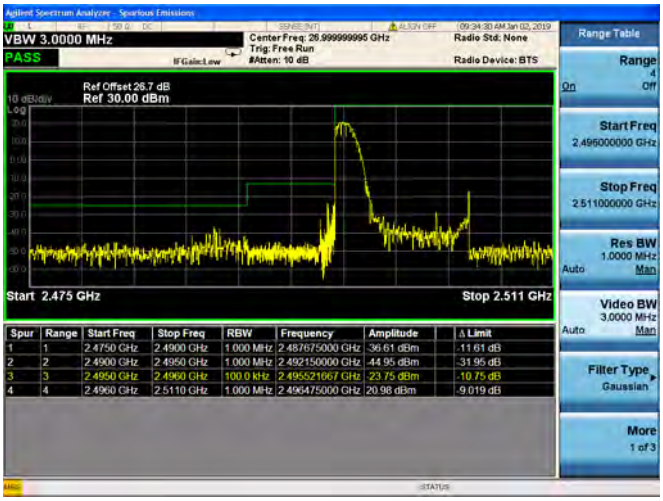
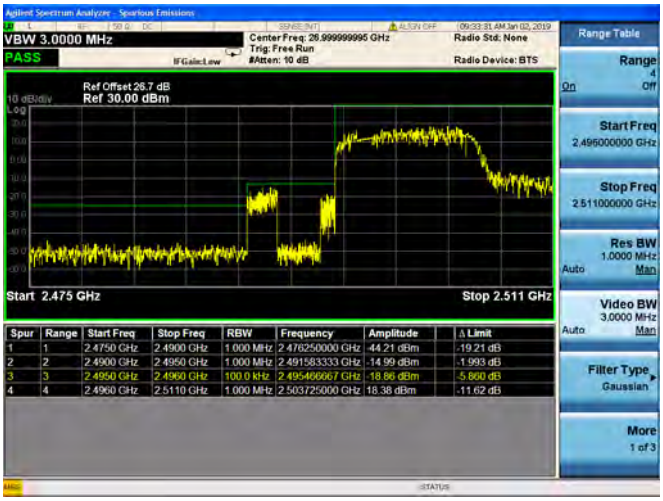
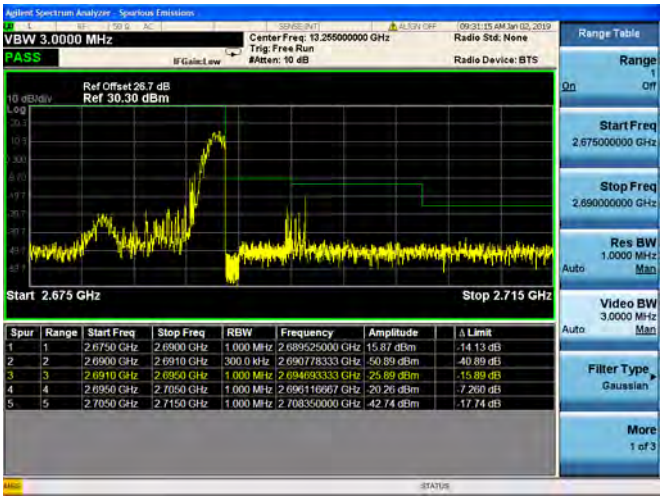
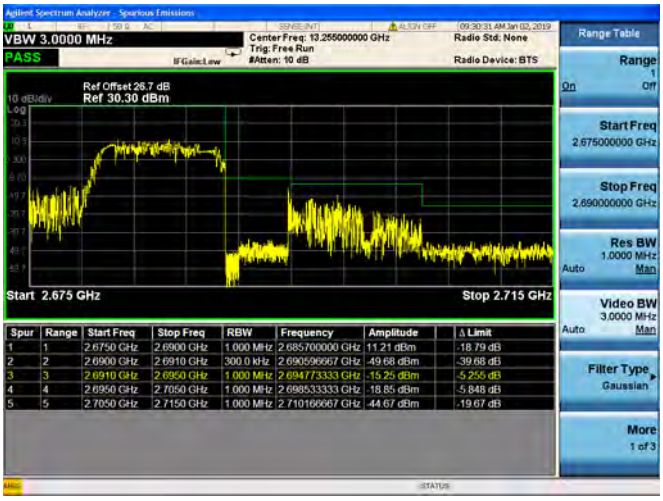
LTE Band 40 Block A					
Channel Bandwidth: 5MHz					
Channel	38725	1 RB	Channel	38725	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	38775	1 RB	Channel	38775	FULL RB
					

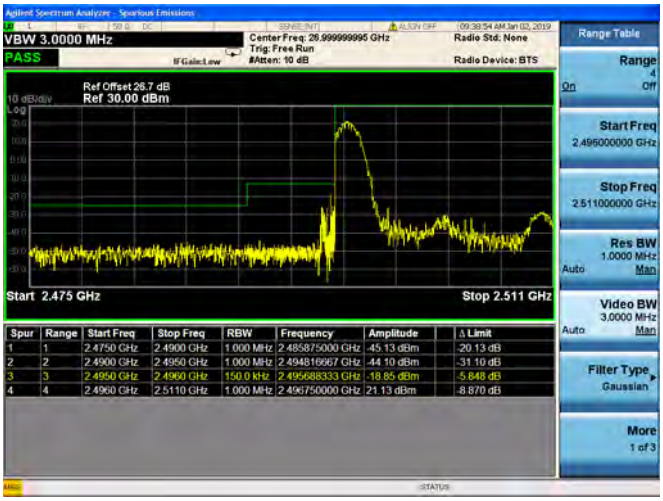
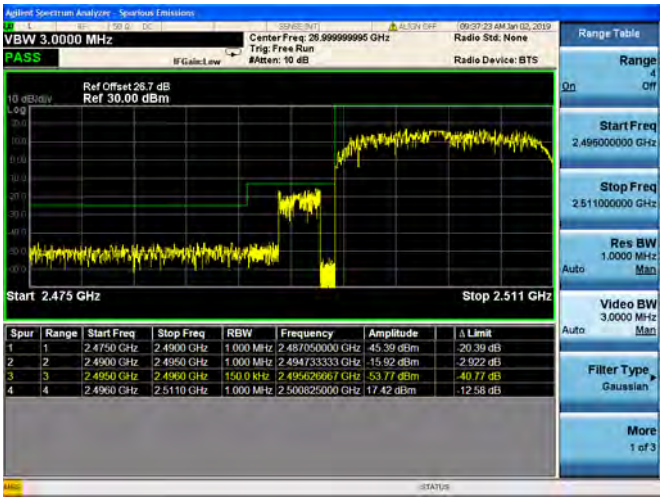
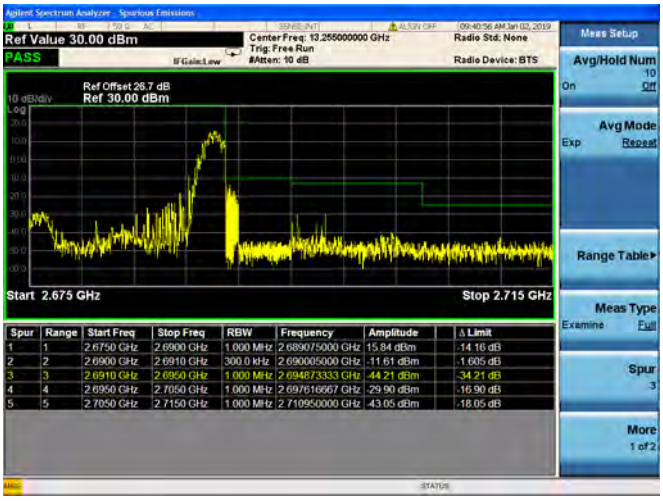
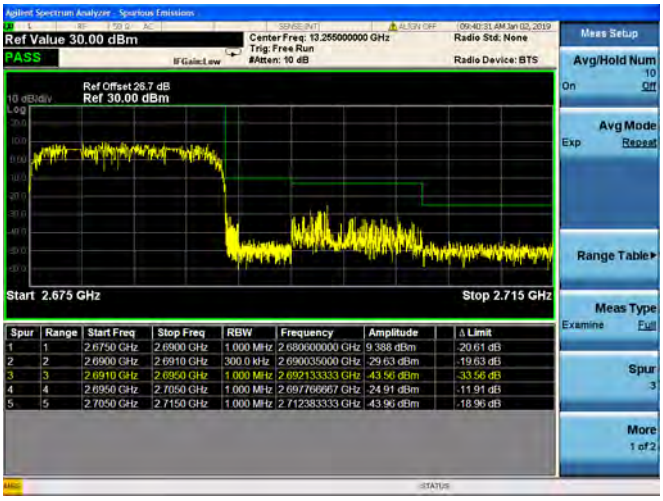
LTE Band 40 Block A					
Channel Bandwidth: 10MHz					
Channel	38750	1 RB	Channel	38750	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	38750	1 RB	Channel	38750	FULL RB
					

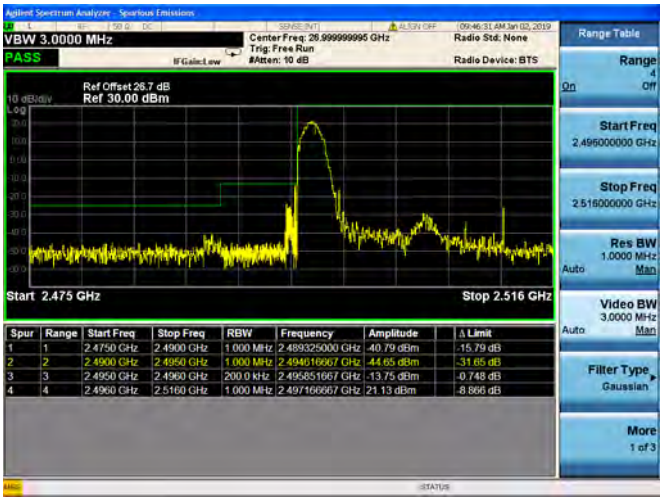
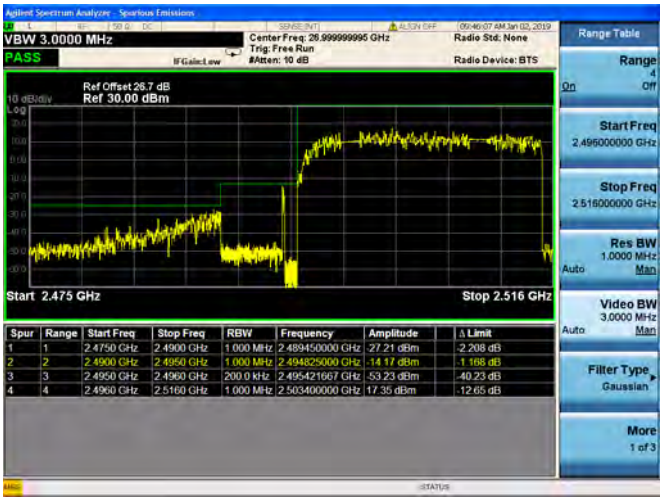
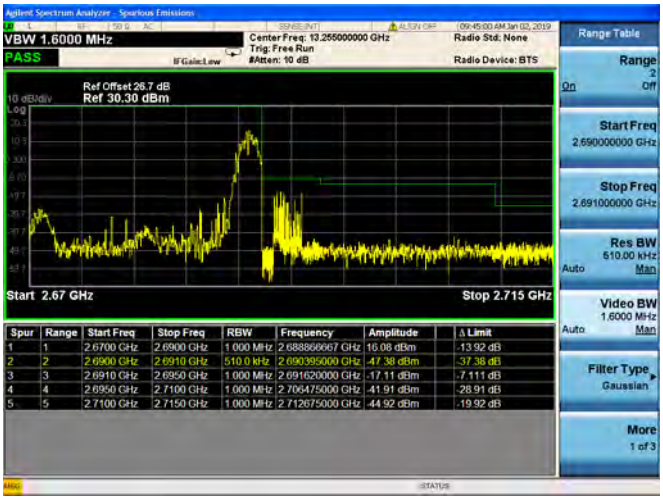
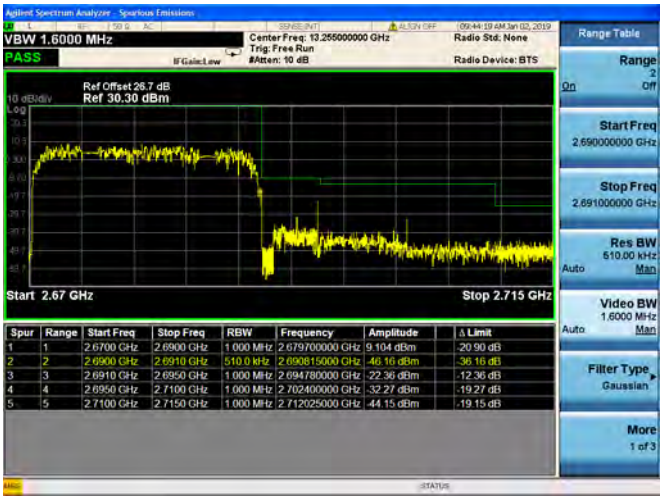
LTE Band 40 Block B					
Channel Bandwidth: 5MHz					
Channel	38725	1 RB	Channel	38725	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	38775	1 RB	Channel	38775	FULL RB
					

LTE Band 40 Block B					
Channel Bandwidth: 10MHz					
Channel	38750	1 RB	Channel	38750	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	38750	1 RB	Channel	38750	FULL RB
					

LTE Band 41					
Channel Bandwidth: 5MHz					
Channel	39675	1 RB	Channel	39675	FULL RB
					
Channel Bandwidth: 5MHz					
Channel	41565	1 RB	Channel	41565	FULL RB
					

LTE Band 41					
Channel Bandwidth: 10MHz					
Channel	39700	1 RB	Channel	39700	FULL RB
					
Channel Bandwidth: 10MHz					
Channel	41540	1 RB	Channel	41540	FULL RB
					

LTE Band 41					
Channel Bandwidth: 15MHz					
Channel	39725	1 RB	Channel	39725	FULL RB
					
Channel Bandwidth: 15MHz					
Channel	41515	1 RB	Channel	41515	FULL RB
					

LTE Band 41					
Channel Bandwidth: 20MHz					
Channel	39750	1 RB	Channel	39750	FULL RB
					
Channel Bandwidth: 20MHz					
Channel	41490	1 RB	Channel	41490	FULL RB
					

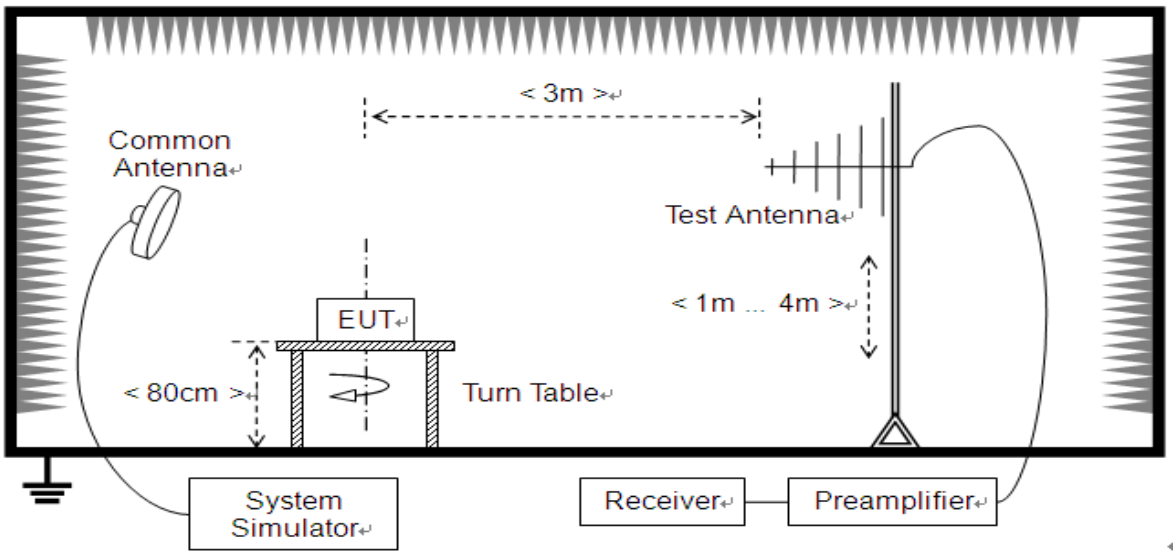
2.7. Radiated Spurious Emissions

2.7.1. Requirement

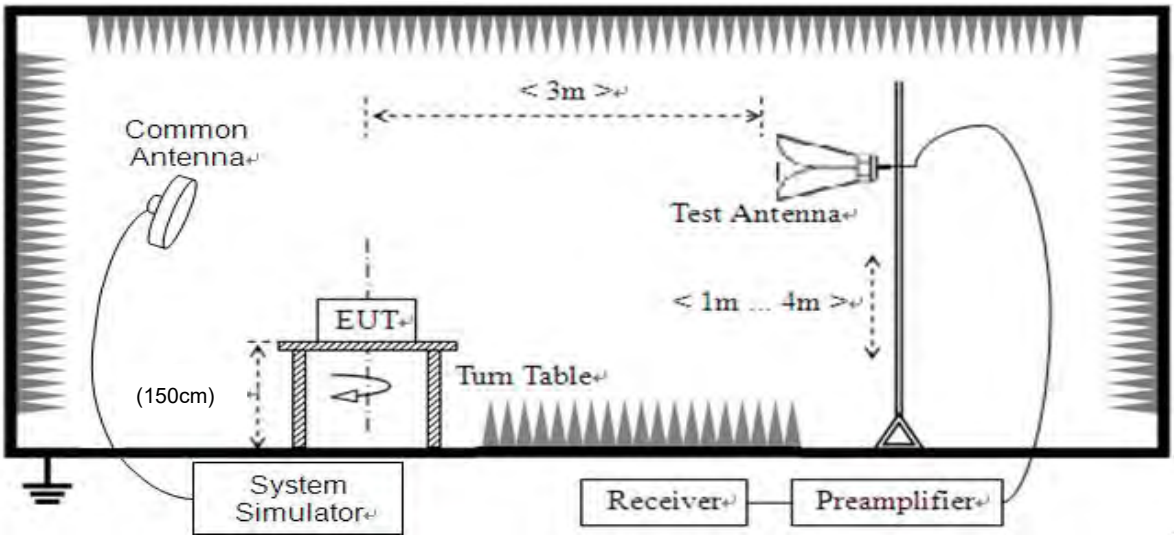
According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7 / 38 / 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 LTE Band 30 / 40:
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 70 + 10 log (P) dB. This calculated to be -40dBm.

2.7.2. Test Description



(For the test frequency from 30MHz to1GHz)



(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

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The substitution corrections are obtained as described below:

$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$

$A_{TOT} = L_{CABLES} + A_{SUBST}$

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

P_{SUBST_TX} is signal generator level,

P_{SUBST_RX} is receiver level,

L_{SUBST_CABLES} is cable losses including TX cable,

$G_{SUBST\_TX\_ANT}$ 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}.

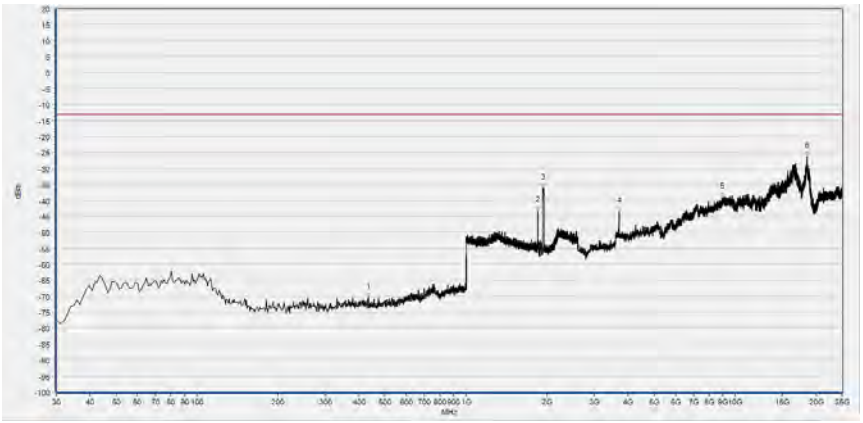
Note1: The power of the EUT transmitting frequency should be ignored.

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.

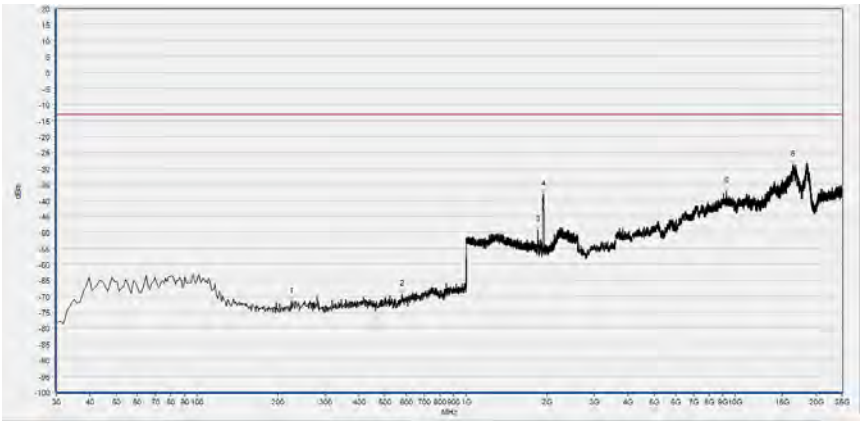
Note3: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band, only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.

Top Antenna

LTE Band 2 20MHz BW, Low Channel, QPSK

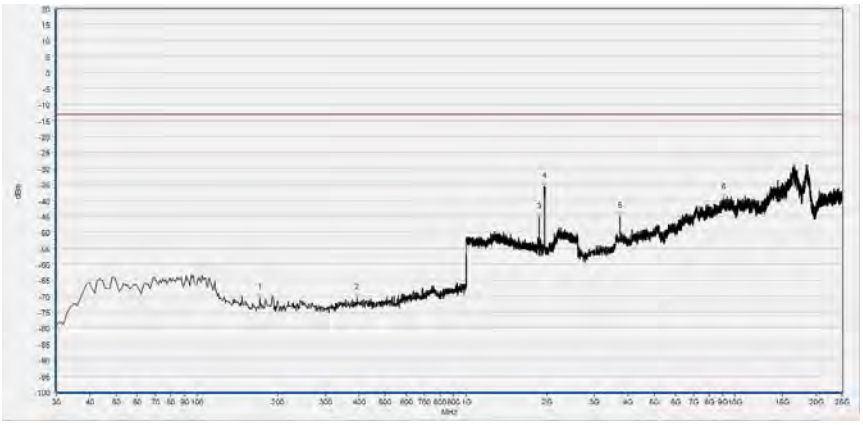


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	434.490	-70.38	-13.00	Horizontal	PASS
2	1850.900	-43.18	-13.00	Horizontal	N/A
3	1933.493	-36.19	-13.00	Horizontal	N/A
4	3703.910	-43.43	-13.00	Horizontal	PASS
5	8962.757	-39.07	-13.00	Horizontal	PASS
6	18551.700	-26.25	-13.00	Horizontal	PASS

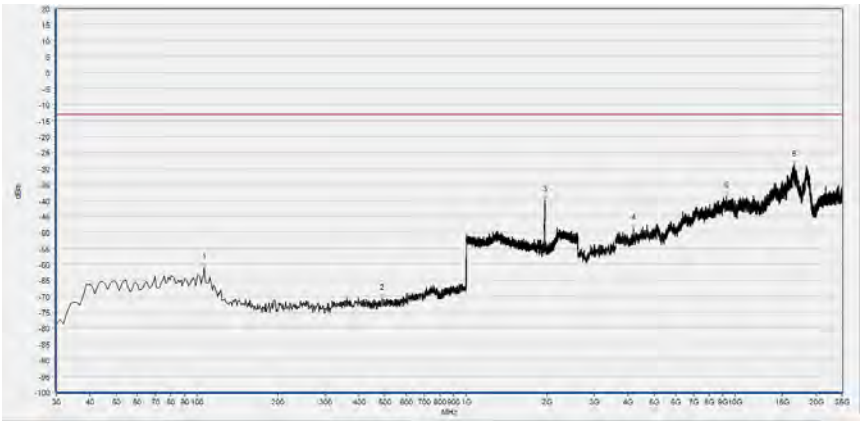


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	224.000	-71.54	-13.00	Vertical	PASS
2	577.080	-69.50	-13.00	Vertical	PASS
3	1850.900	-49.34	-13.00	Vertical	N/A
4	1936.695	-38.04	-13.00	Vertical	N/A
5	9309.002	-37.25	-13.00	Vertical	PASS
6	16409.056	-28.86	-13.00	Vertical	PASS

LTE Band 2 20MHz BW, Mid Channel, QPSK

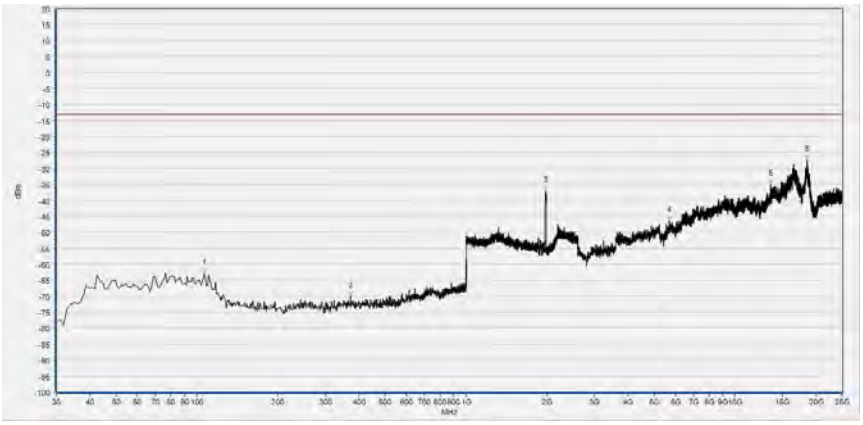


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	171.620	-70.55	-13.00	Horizontal	PASS
2	392.780	-70.60	-13.00	Horizontal	PASS
3	1870.748	-45.30	-13.00	Horizontal	N/A
4	1957.183	-35.70	-13.00	Horizontal	N/A
5	3740.571	-45.00	-13.00	Horizontal	PASS
6	9080.887	-39.17	-13.00	Horizontal	PASS

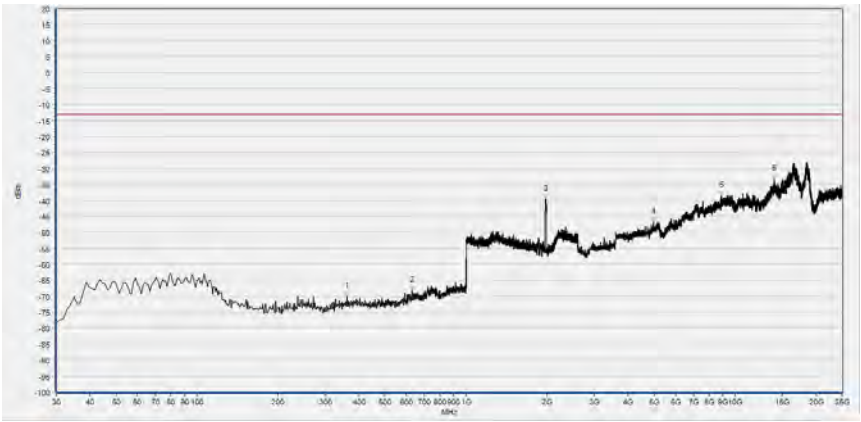


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	106.630	-61.23	-13.00	Vertical	PASS
2	488.810	-70.79	-13.00	Vertical	PASS
3	1965.506	-39.90	-13.00	Vertical	N/A
4	4196.799	-48.88	-13.00	Vertical	PASS
5	9313.075	-38.84	-13.00	Vertical	PASS
6	16547.554	-28.96	-13.00	Vertical	PASS

LTE Band 2 20MHz BW, High Channel, QPSK

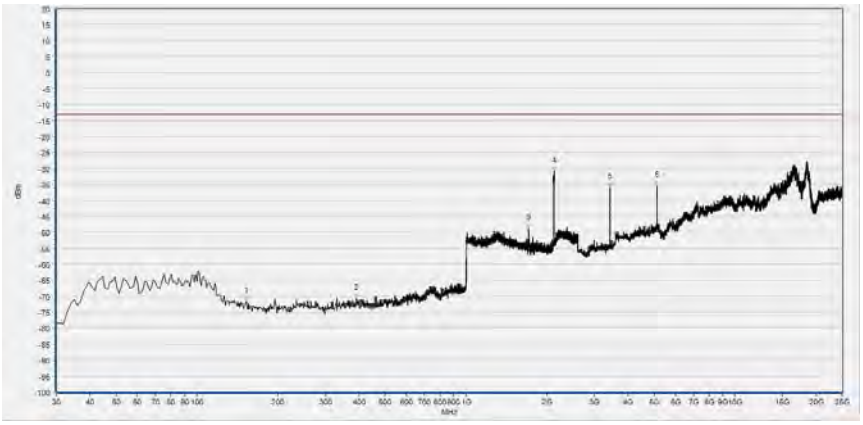


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	106.630	-62.86	-13.00	Horizontal	PASS
2	372.410	-70.16	-13.00	Horizontal	PASS
3	1974.470	-37.09	-13.00	Horizontal	N/A
4	5691.762	-46.41	-13.00	Horizontal	PASS
5	13582.069	-35.00	-13.00	Horizontal	PASS
6	18474.304	-27.42	-13.00	Horizontal	PASS

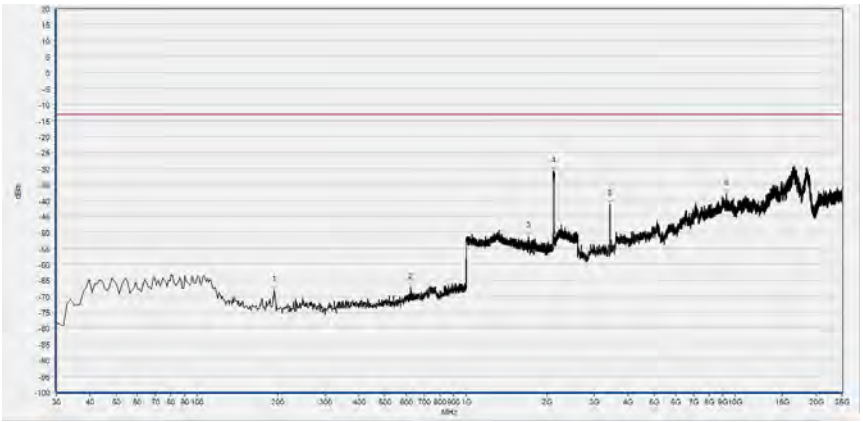


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	360.770	-70.01	-13.00	Vertical	PASS
2	629.460	-68.19	-13.00	Vertical	PASS
3	1975.110	-39.71	-13.00	Vertical	N/A
4	4962.611	-46.76	-13.00	Vertical	PASS
5	8901.655	-38.65	-13.00	Vertical	PASS
6	14005.710	-33.44	-13.00	Vertical	PASS

LTE Band 4 20MHz BW, Low Channel, QPSK

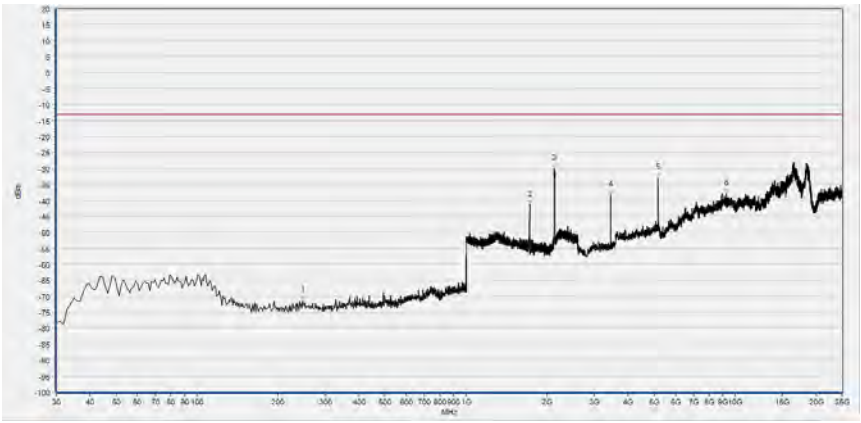


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	152.220	-71.71	-13.00	Horizontal	PASS
2	390.840	-70.81	-13.00	Horizontal	PASS
3	1711.325	-48.81	-13.00	Horizontal	N/A
4	2125.570	-31.01	-13.00	Horizontal	N/A
5	3422.841	-35.81	-13.00	Horizontal	PASS
6	5133.697	-35.52	-13.00	Horizontal	PASS

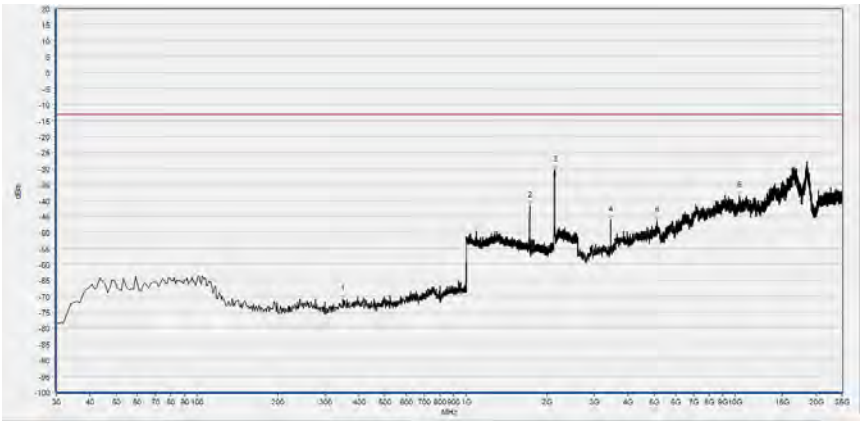


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	193.930	-68.05	-13.00	Vertical	PASS
2	621.700	-67.17	-13.00	Vertical	PASS
3	1711.325	-51.35	-13.00	Vertical	N/A
4	2118.527	-31.06	-13.00	Vertical	N/A
5	3422.841	-41.12	-13.00	Vertical	PASS
6	9313.075	-37.90	-13.00	Vertical	PASS

LTE Band 4 20MHz BW, Mid Channel, QPSK

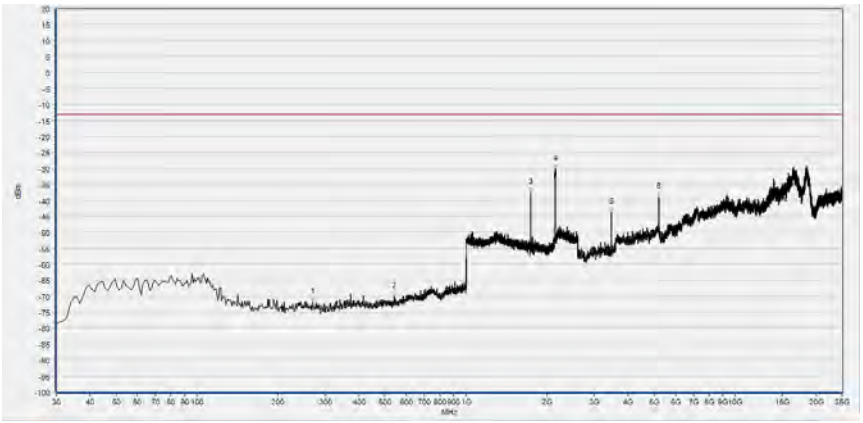


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	247.280	-71.43	-13.00	Horizontal	PASS
2	1724.130	-41.45	-13.00	Horizontal	N/A
3	2131.333	-29.96	-13.00	Horizontal	N/A
4	3447.281	-38.30	-13.00	Horizontal	PASS
5	5174.432	-33.00	-13.00	Horizontal	PASS
6	9296.781	-37.96	-13.00	Horizontal	PASS

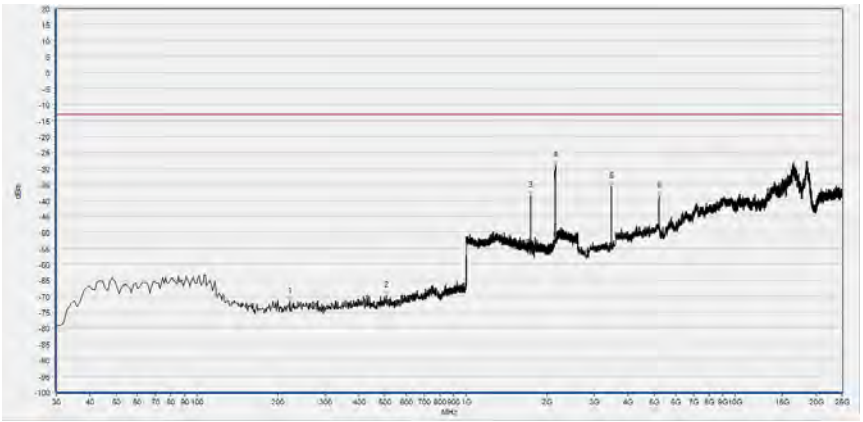


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	349.130	-70.85	-13.00	Vertical	PASS
2	1724.130	-41.70	-13.00	Vertical	N/A
3	2135.814	-30.56	-13.00	Vertical	N/A
4	3447.281	-46.18	-13.00	Vertical	PASS
5	5117.403	-46.40	-13.00	Vertical	PASS
6	10392.544	-38.49	-13.00	Vertical	PASS

LTE Band 4 20MHz BW, High Channel, QPSK

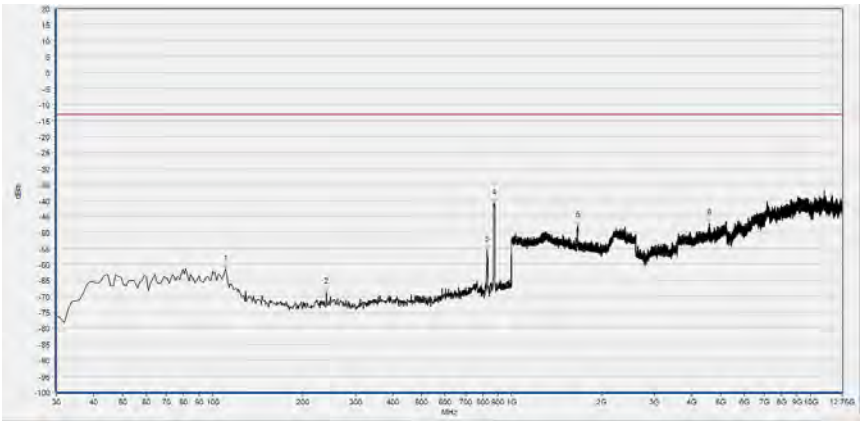


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	269.590	-71.85	-13.00	Horizontal	PASS
2	542.160	-69.99	-13.00	Horizontal	PASS
3	1736.295	-37.46	-13.00	Horizontal	N/A
4	2149.900	-30.33	-13.00	Horizontal	N/A
5	3471.722	-43.66	-13.00	Horizontal	PASS
6	5207.019	-39.00	-13.00	Horizontal	PASS

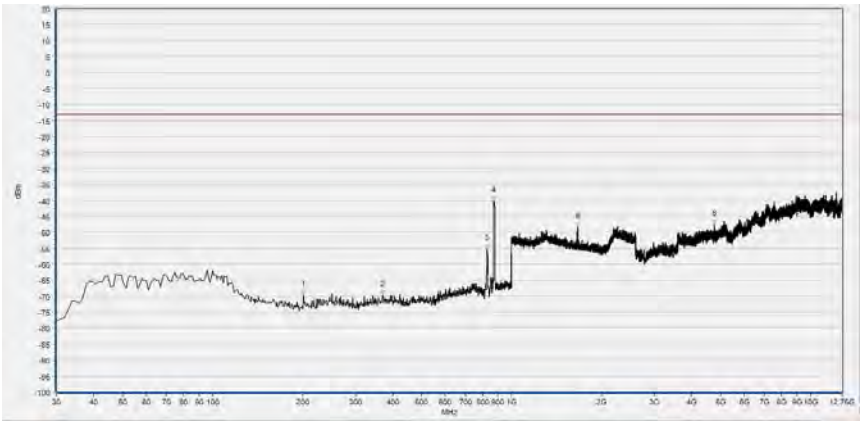


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	222.060	-71.61	-13.00	Vertical	PASS
2	505.300	-69.85	-13.00	Vertical	PASS
3	1736.295	-38.48	-13.00	Vertical	N/A
4	2151.821	-29.10	-13.00	Vertical	N/A
5	3471.722	-35.59	-13.00	Vertical	PASS
6	5211.093	-38.72	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, Low Channel, QPSK

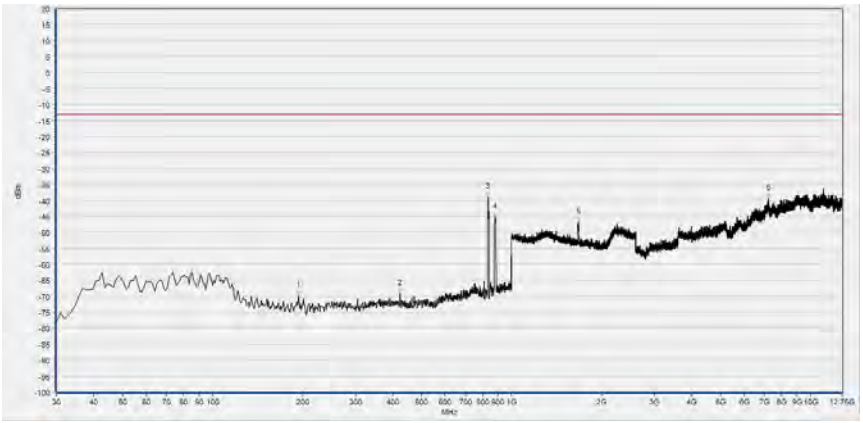


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	110.510	-61.53	-13.00	Horizontal	PASS
2	240.490	-68.81	-13.00	Horizontal	PASS
3	827.340	-55.64	-13.00	Horizontal	N/A
4	875.840	-40.94	-13.00	Horizontal	N/A
5	1660.744	-47.96	-13.00	Horizontal	PASS
6	4582.379	-47.36	-13.00	Horizontal	PASS

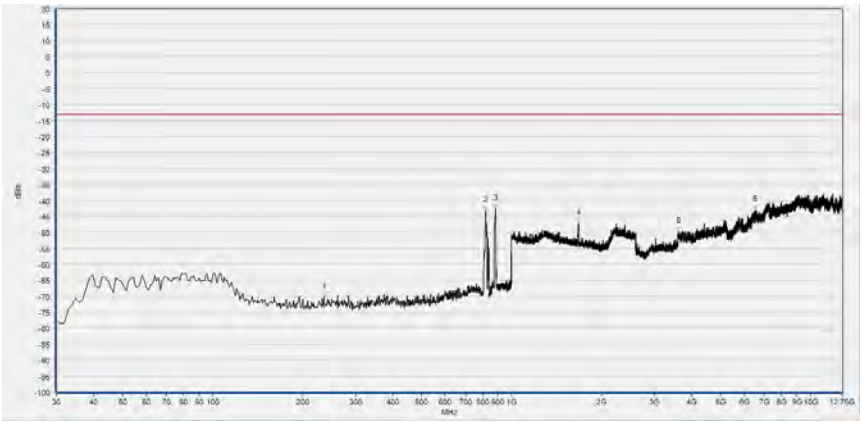


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	201.690	-69.69	-13.00	Vertical	PASS
2	371.440	-69.65	-13.00	Vertical	PASS
3	827.340	-55.33	-13.00	Vertical	N/A
4	871.960	-40.04	-13.00	Vertical	N/A
5	1662.665	-48.34	-13.00	Vertical	PASS
6	4757.729	-47.43	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, Mid Channel, QPSK

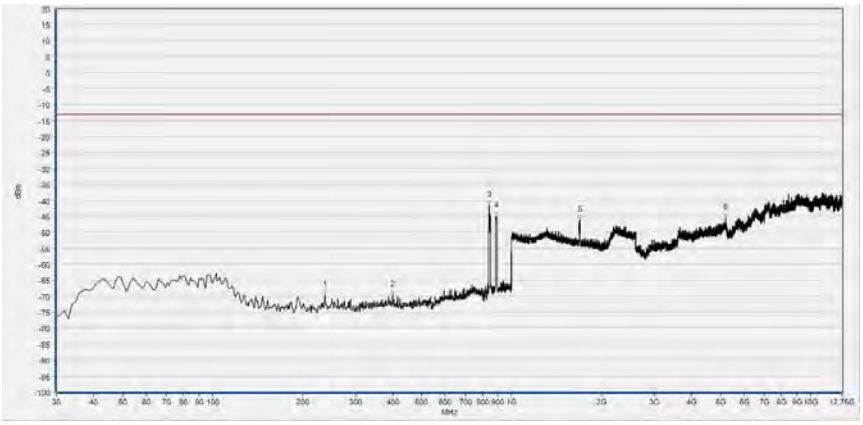


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	193.930	-69.93	-13.00	Horizontal	PASS
2	423.820	-69.13	-13.00	Horizontal	PASS
3	834.130	-38.93	-13.00	Horizontal	N/A
4	881.660	-45.32	-13.00	Horizontal	N/A
5	1672.909	-46.91	-13.00	Horizontal	PASS
6	7221.859	-39.45	-13.00	Horizontal	PASS

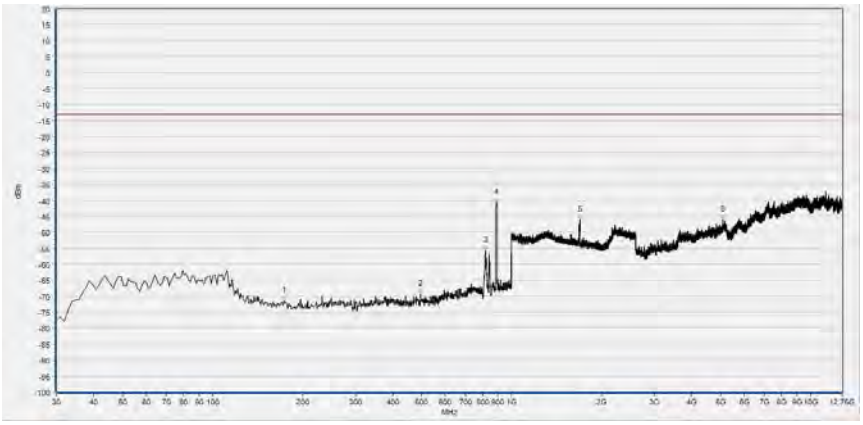


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	235.640	-70.29	-13.00	Vertical	PASS
2	818.610	-43.18	-13.00	Vertical	N/A
3	885.540	-42.48	-13.00	Vertical	N/A
4	1676.751	-47.27	-13.00	Vertical	PASS
5	3620.722	-49.80	-13.00	Vertical	PASS
6	6524.150	-43.04	-13.00	Vertical	PASS

LTE Band 5 10MHz BW, High Channel, QPSK



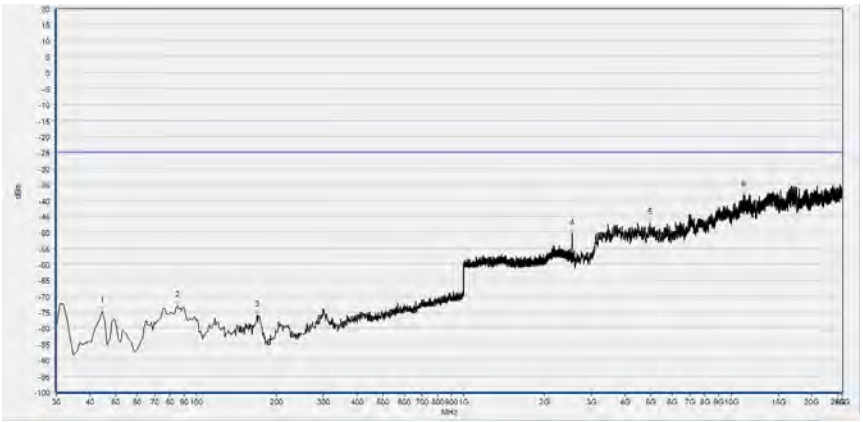
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	237.580	-69.55	-13.00	Horizontal	PASS
2	399.570	-69.53	-13.00	Horizontal	PASS
3	842.860	-41.55	-13.00	Horizontal	N/A
4	888.450	-45.12	-13.00	Horizontal	N/A
5	1692.117	-46.17	-13.00	Horizontal	PASS
6	5191.489	-45.46	-13.00	Horizontal	PASS



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	173.560	-71.46	-13.00	Vertical	PASS
2	495.600	-69.50	-13.00	Vertical	PASS
3	816.670	-55.82	-13.00	Vertical	N/A
4	891.360	-40.72	-13.00	Vertical	N/A
5	1692.117	-46.24	-13.00	Vertical	PASS
6	5088.125	-46.15	-13.00	Vertical	PASS

LTE Band 7 20MHz BW, Low Channel, QPSK

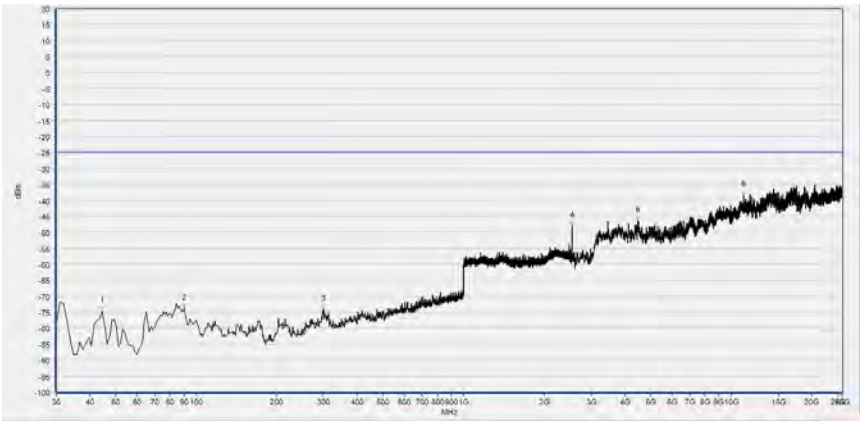
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	99.840	-69.93	-25.00	Horizontal	PASS
2	204.600	-70.33	-25.00	Horizontal	PASS
3	2539.176	-50.05	-25.00	Horizontal	N/A
4	3838.298	-47.34	-25.00	Horizontal	PASS
5	7021.277	-45.16	-25.00	Horizontal	PASS
6	14106.383	-36.23	-25.00	Horizontal	PASS



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	44.550	-74.78	-25.00	Vertical	PASS
2	85.290	-72.93	-25.00	Vertical	PASS
3	168.710	-75.82	-25.00	Vertical	PASS
4	2539.176	-50.45	-25.00	Vertical	N/A
5	4978.723	-47.12	-25.00	Vertical	PASS
6	11161.702	-38.40	-25.00	Vertical	PASS

LTE Band 7 20MHz BW, Mid Channel, QPSK

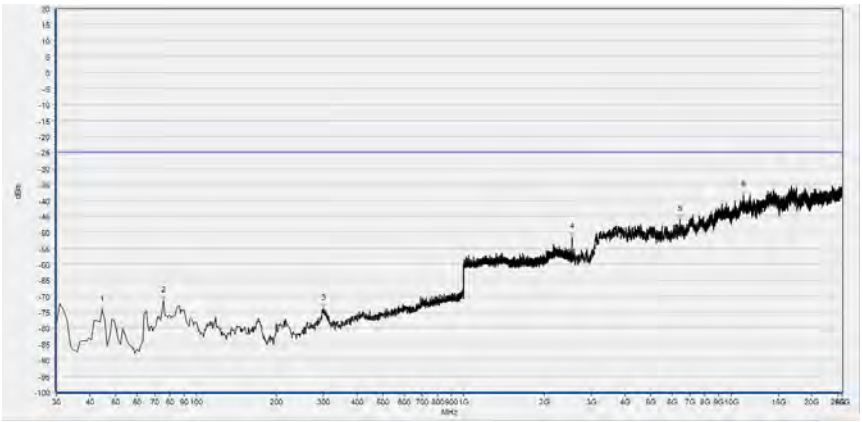
No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	97.900	-70.04	-25.00	Horizontal	PASS
2	202.660	-69.73	-25.00	Horizontal	PASS
3	2539.176	-50.30	-25.00	Horizontal	PASS
4	4957.447	-46.94	-25.00	Horizontal	N/A
5	9791.489	-40.88	-25.00	Horizontal	PASS
6	13944.681	-36.18	-25.00	Horizontal	PASS



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	44.550	-74.73	-25.00	Vertical	PASS
2	90.140	-73.92	-25.00	Vertical	PASS
3	299.660	-74.17	-25.00	Vertical	PASS
4	2539.176	-47.93	-25.00	Vertical	N/A
5	4485.106	-46.41	-25.00	Vertical	PASS
6	11140.426	-38.42	-25.00	Vertical	PASS

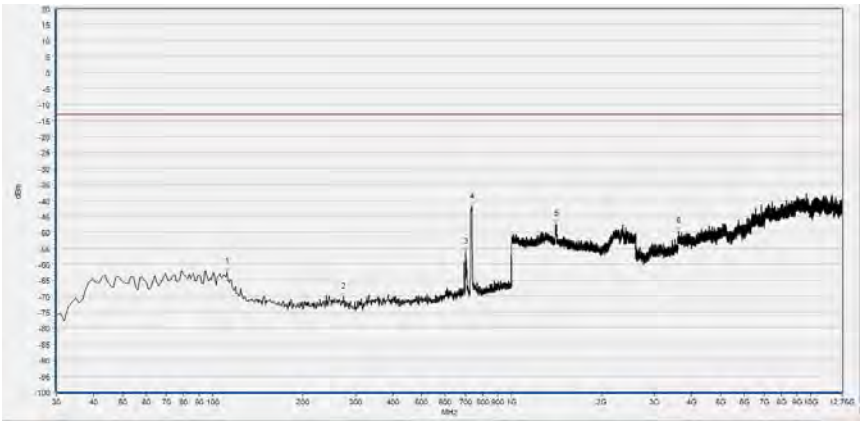
LTE Band 7 20MHz BW, High Channel, QPSK

No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	49.400	-77.92	-25.00	Horizontal	PASS
2	98.870	-70.02	-25.00	Horizontal	PASS
3	203.630	-70.15	-25.00	Horizontal	PASS
4	2536.615	-51.94	-25.00	Horizontal	N/A
5	5042.553	-47.02	-25.00	Horizontal	PASS
6	11727.660	-38.06	-25.00	Horizontal	PASS

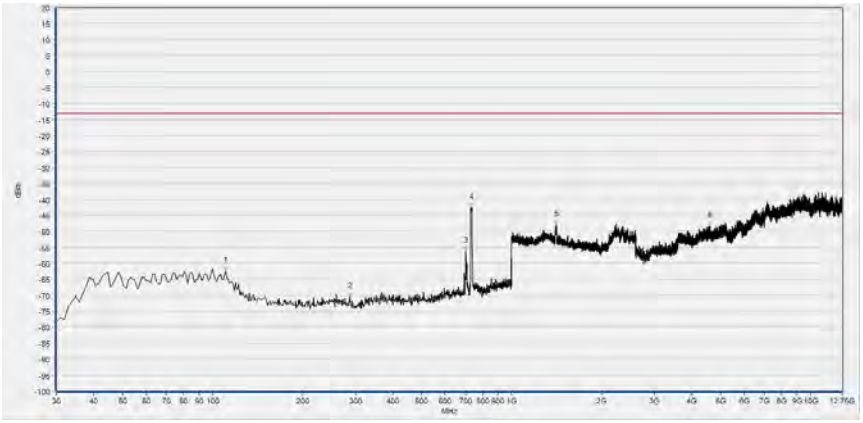


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	44.550	-74.34	-25.00	Vertical	PASS
2	75.590	-71.45	-25.00	Vertical	PASS
3	299.660	-73.96	-25.00	Vertical	PASS
4	2537.255	-51.60	-25.00	Vertical	N/A
5	6434.043	-45.98	-25.00	Vertical	PASS
6	11136.170	-38.43	-25.00	Vertical	PASS

LTE Band 12 10MHz BW, Low Channel, QPSK

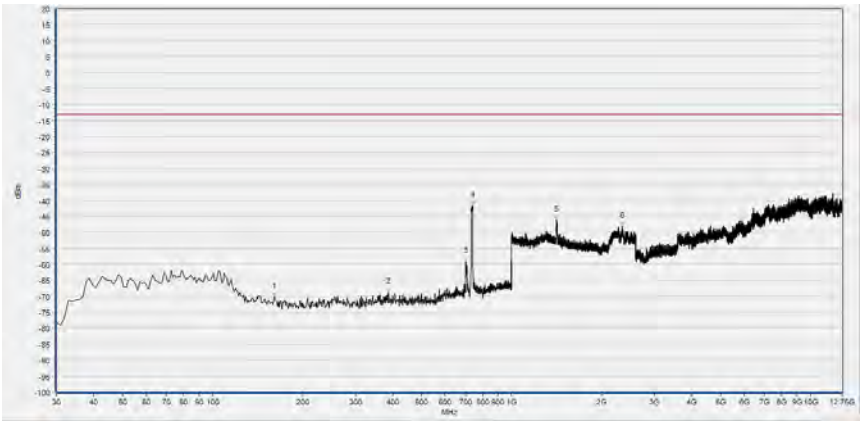


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	111.480	-62.55	-13.00	Horizontal	PASS
2	274.440	-70.38	-13.00	Horizontal	PASS
3	702.210	-56.10	-13.00	Horizontal	N/A
4	736.160	-42.03	-13.00	Horizontal	N/A
5	1407.843	-47.52	-13.00	Horizontal	PASS
6	3622.568	-49.82	-13.00	Horizontal	PASS

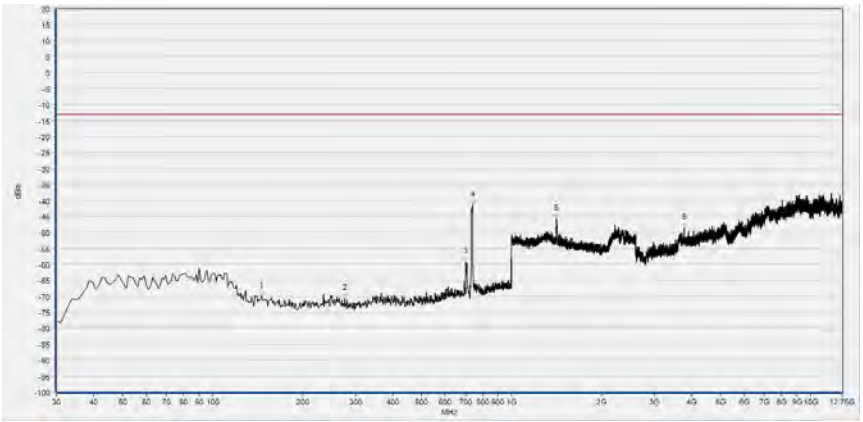


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	110.510	-62.45	-13.00	Vertical	PASS
2	288.020	-70.59	-13.00	Vertical	PASS
3	703.180	-56.31	-13.00	Vertical	N/A
4	735.190	-42.67	-13.00	Vertical	N/A
5	1413.605	-47.93	-13.00	Vertical	PASS
6	4595.299	-48.38	-13.00	Vertical	PASS

LTE Band 12 10MHz BW, Mid Channel, QPSK

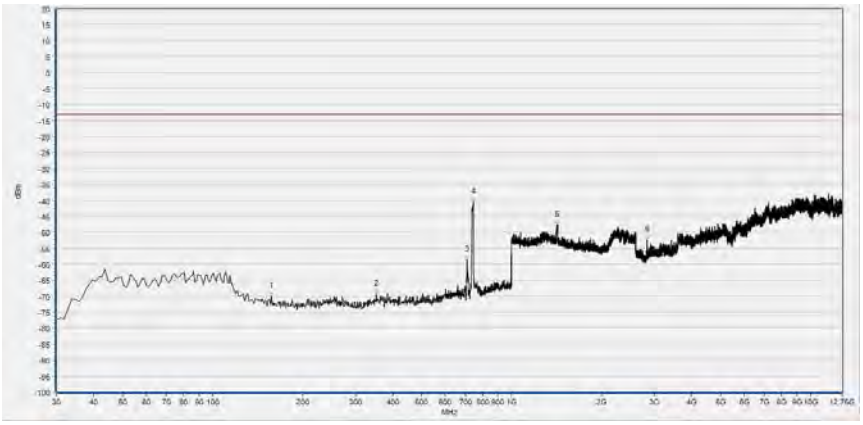


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	160.950	-70.20	-13.00	Horizontal	PASS
2	386.960	-68.65	-13.00	Horizontal	PASS
3	703.180	-59.05	-13.00	Horizontal	N/A
4	741.010	-41.71	-13.00	Horizontal	N/A
5	1414.886	-46.17	-13.00	Horizontal	PASS
6	2337.495	-48.06	-13.00	Horizontal	PASS

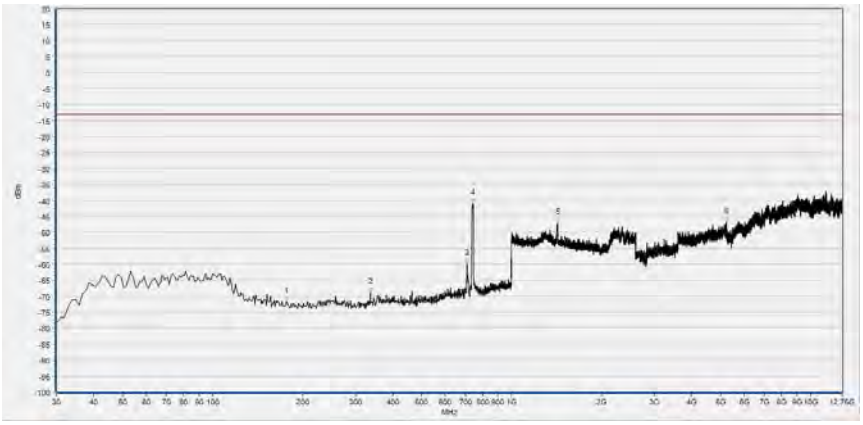


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	145.430	-69.98	-13.00	Vertical	PASS
2	276.380	-70.70	-13.00	Vertical	PASS
3	703.180	-59.36	-13.00	Vertical	N/A
4	741.980	-41.48	-13.00	Vertical	N/A
5	1414.886	-45.77	-13.00	Vertical	PASS
6	3784.997	-48.71	-13.00	Vertical	PASS

LTE Band 12 10MHz BW, High Channel, QPSK

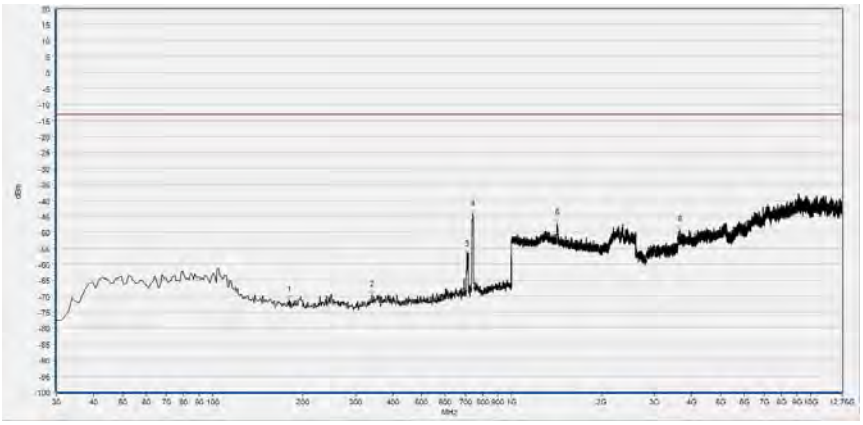


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	157.070	-70.04	-13.00	Horizontal	PASS
2	352.040	-69.42	-13.00	Horizontal	PASS
3	709.000	-58.73	-13.00	Horizontal	N/A
4	744.890	-40.54	-13.00	Horizontal	N/A
5	1418.087	-47.63	-13.00	Horizontal	PASS
6	2843.644	-52.49	-13.00	Horizontal	PASS

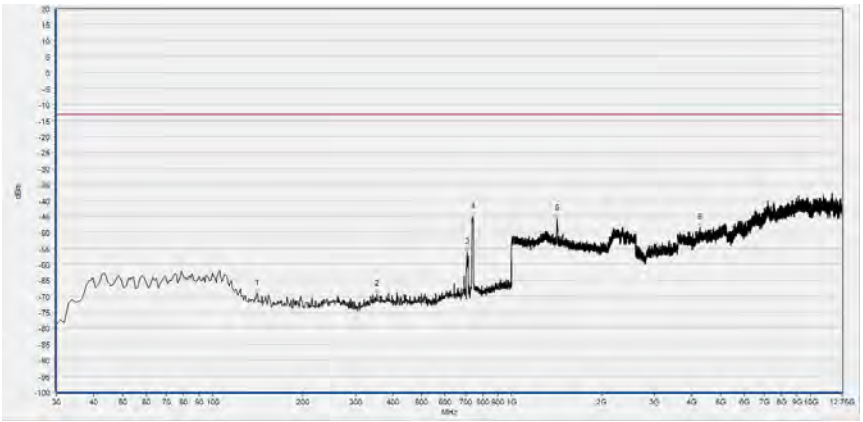


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	176.470	-71.72	-13.00	Vertical	PASS
2	337.490	-68.67	-13.00	Vertical	PASS
3	709.000	-59.79	-13.00	Vertical	N/A
4	740.040	-40.97	-13.00	Vertical	N/A
5	1423.850	-47.11	-13.00	Vertical	PASS
6	5235.788	-46.89	-13.00	Vertical	PASS

LTE Band 17 10MHz BW, Low Channel, QPSK

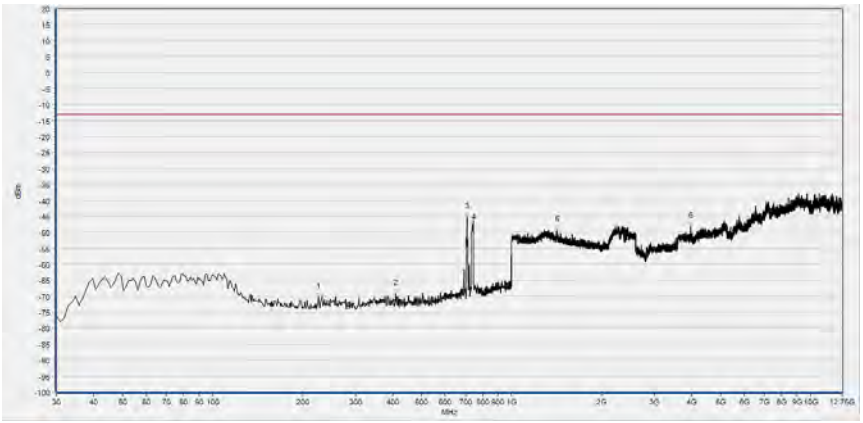


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	180.350	-71.08	-13.00	Horizontal	PASS
2	341.370	-69.67	-13.00	Horizontal	PASS
3	708.030	-57.01	-13.00	Horizontal	N/A
4	741.980	-44.42	-13.00	Horizontal	N/A
5	1422.569	-47.26	-13.00	Horizontal	PASS
6	3663.175	-49.22	-13.00	Horizontal	PASS

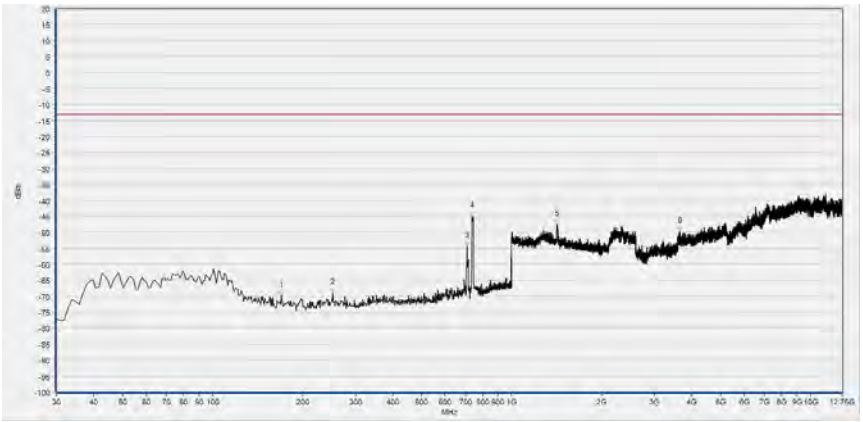


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	140.580	-69.14	-13.00	Vertical	PASS
2	354.950	-69.41	-13.00	Vertical	PASS
3	708.030	-56.23	-13.00	Vertical	N/A
4	740.040	-45.35	-13.00	Vertical	N/A
5	1421.929	-45.62	-13.00	Vertical	PASS
6	4259.365	-48.56	-13.00	Vertical	PASS

LTE Band 17 10MHz BW, Mid Channel, QPSK

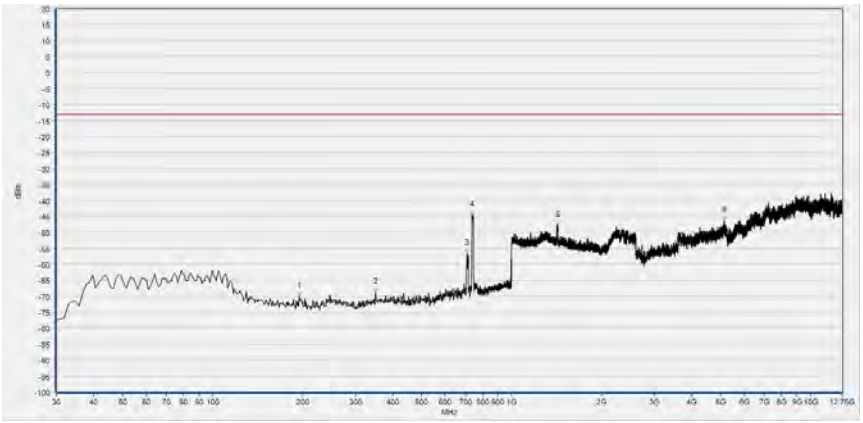


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	225.940	-70.25	-13.00	Horizontal	PASS
2	409.270	-69.16	-13.00	Horizontal	PASS
3	709.000	-45.17	-13.00	Horizontal	N/A
4	743.920	-46.60	-13.00	Horizontal	N/A
5	1416.166	-49.29	-13.00	Horizontal	PASS
6	3967.730	-48.26	-13.00	Horizontal	PASS

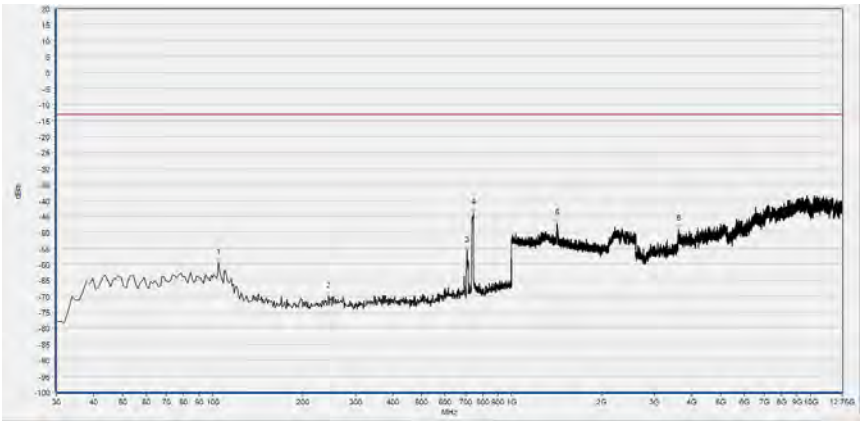


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	169.680	-69.85	-13.00	Vertical	PASS
2	252.130	-68.95	-13.00	Vertical	PASS
3	709.000	-54.47	-13.00	Vertical	N/A
4	738.100	-45.08	-13.00	Vertical	N/A
5	1416.807	-47.50	-13.00	Vertical	PASS
6	3657.638	-49.82	-13.00	Vertical	PASS

LTE Band 17 10MHz BW, High Channel, QPSK

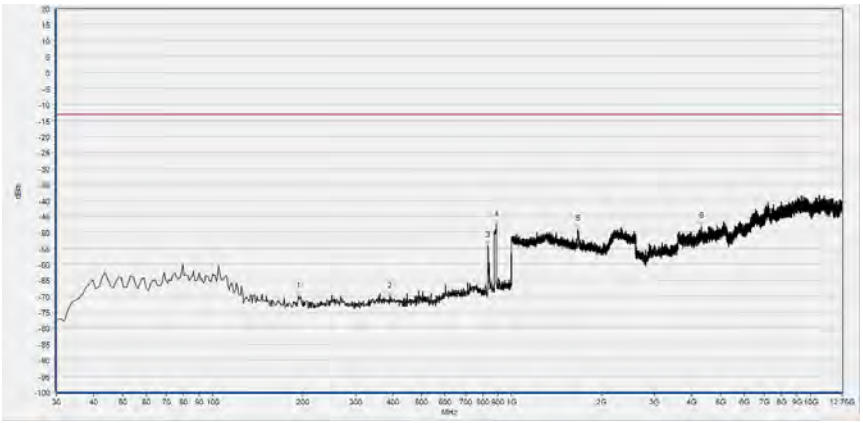


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	194.900	-70.15	-13.00	Horizontal	PASS
2	350.100	-68.69	-13.00	Horizontal	PASS
3	709.000	-56.59	-13.00	Horizontal	N/A
4	737.130	-44.58	-13.00	Horizontal	N/A
5	1423.850	-47.82	-13.00	Horizontal	PASS
6	5145.345	-46.38	-13.00	Horizontal	PASS

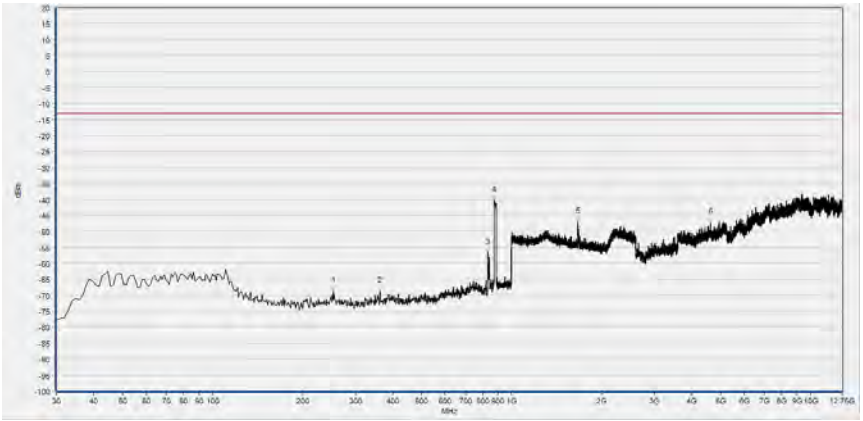


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	104.690	-59.62	-13.00	Vertical	PASS
2	244.370	-70.17	-13.00	Vertical	PASS
3	709.970	-55.72	-13.00	Vertical	N/A
4	744.890	-43.85	-13.00	Vertical	N/A
5	1418.727	-47.36	-13.00	Vertical	PASS
6	3613.339	-49.02	-13.00	Vertical	PASS

LTE Band 19 15MHz BW, QPSK

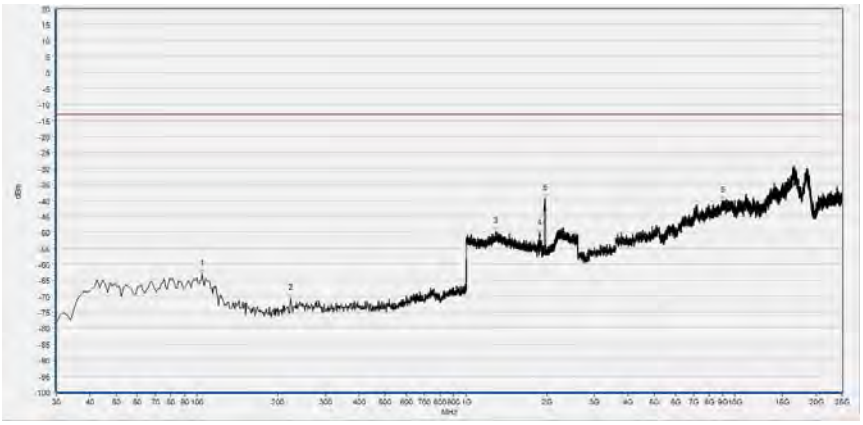


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	193.930	-70.06	-13.00	Horizontal	PASS
2	392.780	-70.14	-13.00	Horizontal	PASS
3	833.160	-54.27	-13.00	Horizontal	N/A
4	889.420	-47.77	-13.00	Horizontal	N/A
5	1663.305	-49.07	-13.00	Horizontal	PASS
6	4309.202	-48.26	-13.00	Horizontal	PASS

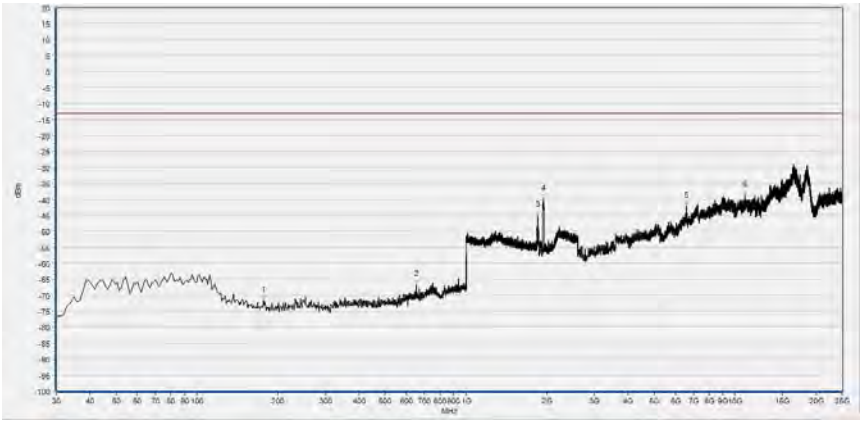


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	253.100	-68.66	-13.00	Vertical	PASS
2	363.680	-68.65	-13.00	Vertical	PASS
3	833.160	-56.87	-13.00	Vertical	N/A
4	876.810	-40.41	-13.00	Vertical	N/A
5	1667.787	-46.97	-13.00	Vertical	PASS
6	4624.832	-47.24	-13.00	Vertical	PASS

LTE Band 25 20MHz BW, Low Channel, QPSK

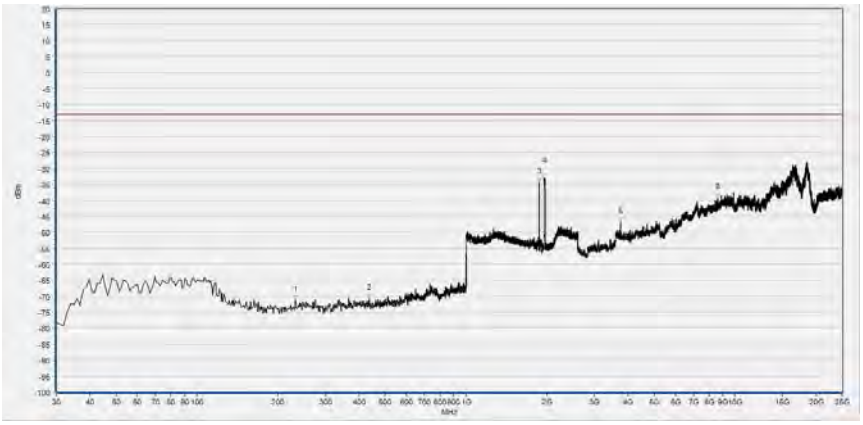


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	104.690	-63.22	-13.00	Horizontal	PASS
2	223.030	-70.75	-13.00	Horizontal	PASS
3	1290.036	-49.78	-13.00	Horizontal	N/A
4	1876.511	-50.37	-13.00	Horizontal	N/A
5	1964.226	-39.50	-13.00	Horizontal	PASS
6	9027.932	-40.02	-13.00	Horizontal	PASS

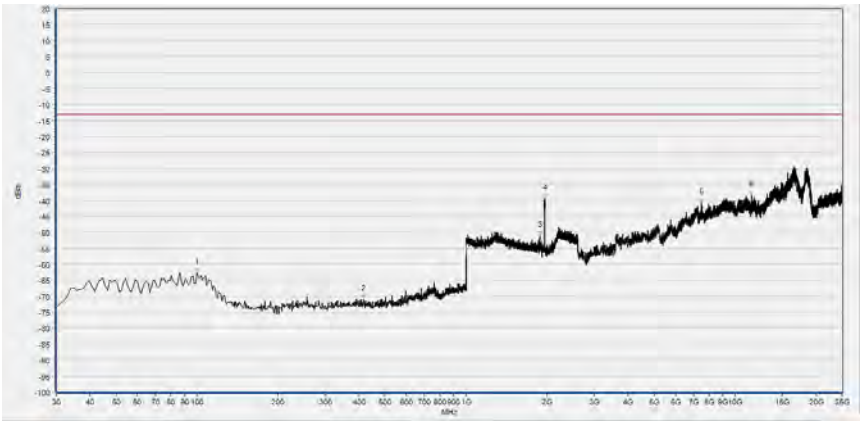


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	176.470	-71.63	-13.00	Vertical	PASS
2	651.770	-66.77	-13.00	Vertical	PASS
3	1852.181	-45.10	-13.00	Vertical	N/A
4	1935.414	-39.87	-13.00	Vertical	N/A
5	6604.219	-42.02	-13.00	Vertical	PASS
6	10905.801	-38.88	-13.00	Vertical	PASS

LTE Band 25 20MHz BW, Mid Channel, QPSK

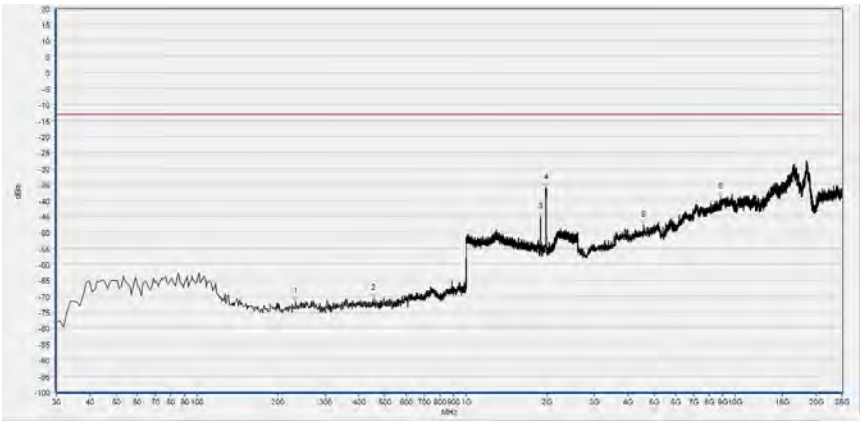


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	232.730	-71.27	-13.00	Horizontal	PASS
2	437.400	-70.65	-13.00	Horizontal	PASS
3	1874.590	-34.25	-13.00	Horizontal	N/A
4	1954.622	-33.05	-13.00	Horizontal	N/A
5	3748.718	-46.84	-13.00	Horizontal	PASS
6	8604.292	-39.29	-13.00	Horizontal	PASS

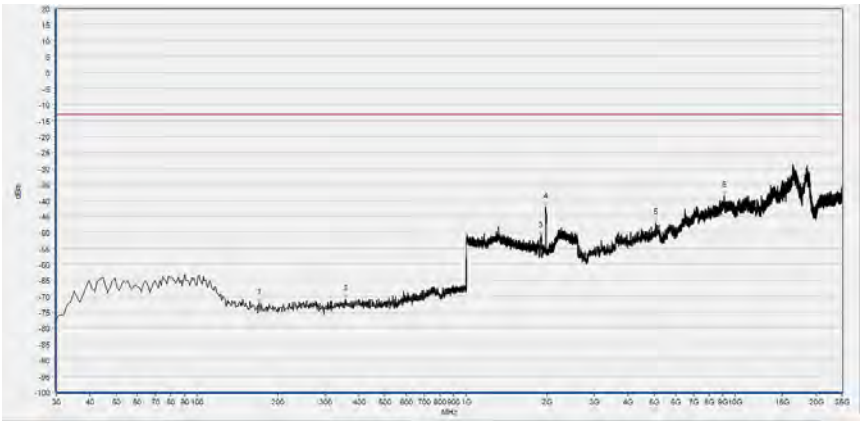


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	99.840	-62.58	-13.00	Vertical	PASS
2	417.030	-70.87	-13.00	Vertical	PASS
3	1878.431	-50.98	-13.00	Vertical	N/A
4	1963.585	-39.34	-13.00	Vertical	N/A
5	7496.308	-40.69	-13.00	Vertical	PASS
6	11533.115	-38.28	-13.00	Vertical	PASS

LTE Band 25 20MHz BW, High Channel, QPSK

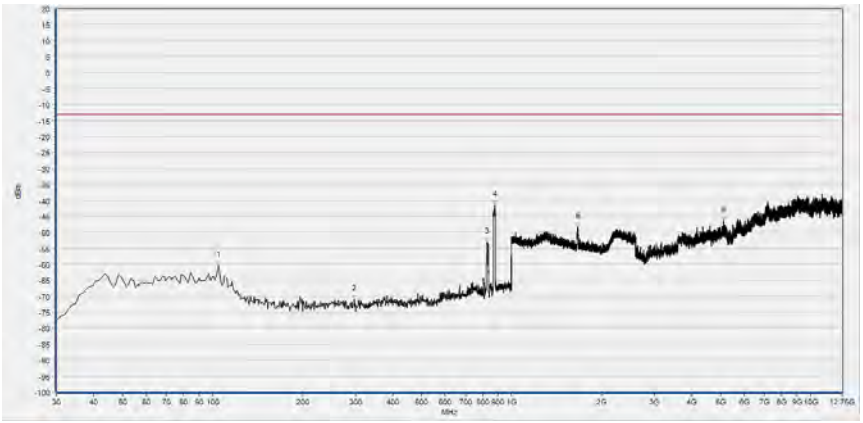


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	232.730	-71.60	-13.00	Horizontal	PASS
2	451.950	-70.68	-13.00	Horizontal	PASS
3	1896.999	-45.20	-13.00	Horizontal	N/A
4	1986.635	-36.20	-13.00	Horizontal	N/A
5	4571.558	-47.71	-13.00	Horizontal	PASS
6	8848.700	-39.08	-13.00	Horizontal	PASS

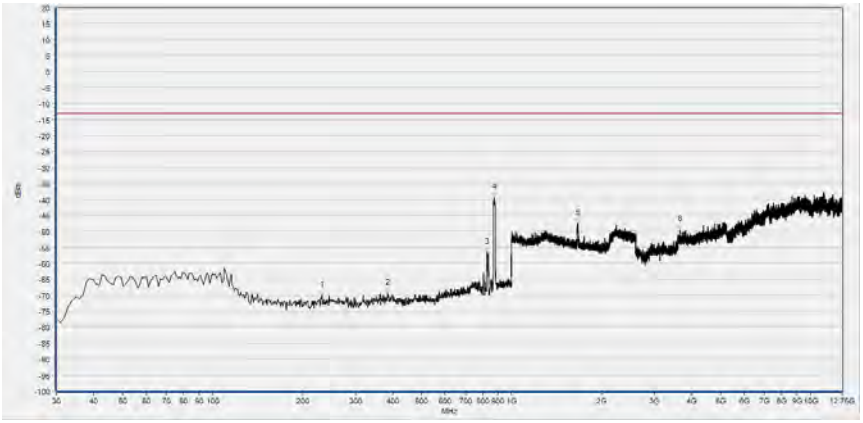


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	170.650	-72.07	-13.00	Vertical	PASS
2	356.890	-71.01	-13.00	Vertical	PASS
3	1899.560	-51.20	-13.00	Vertical	N/A
4	1977.031	-42.10	-13.00	Vertical	N/A
5	5056.301	-46.97	-13.00	Vertical	PASS
6	9113.475	-38.60	-13.00	Vertical	PASS

LTE Band 26 15MHz BW, Low Channel, QPSK

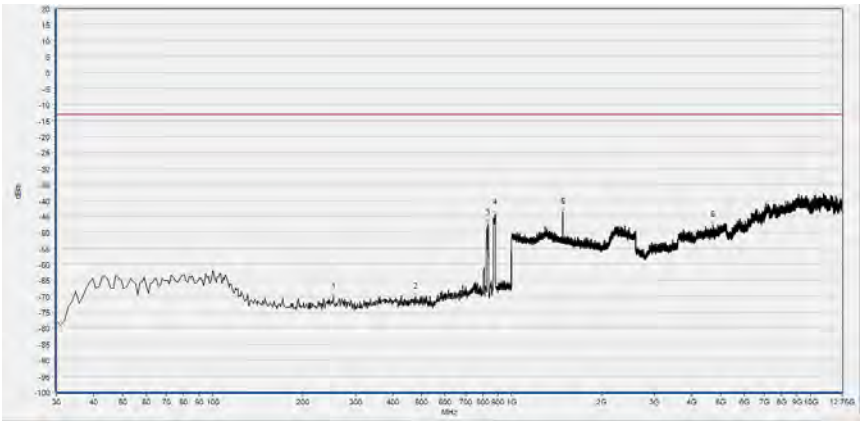


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	104.690	-60.42	-13.00	Horizontal	PASS
2	297.720	-70.93	-13.00	Horizontal	PASS
3	828.310	-53.05	-13.00	Horizontal	N/A
4	878.750	-41.39	-13.00	Horizontal	N/A
5	1660.744	-48.30	-13.00	Horizontal	PASS
6	5115.812	-46.32	-13.00	Horizontal	PASS

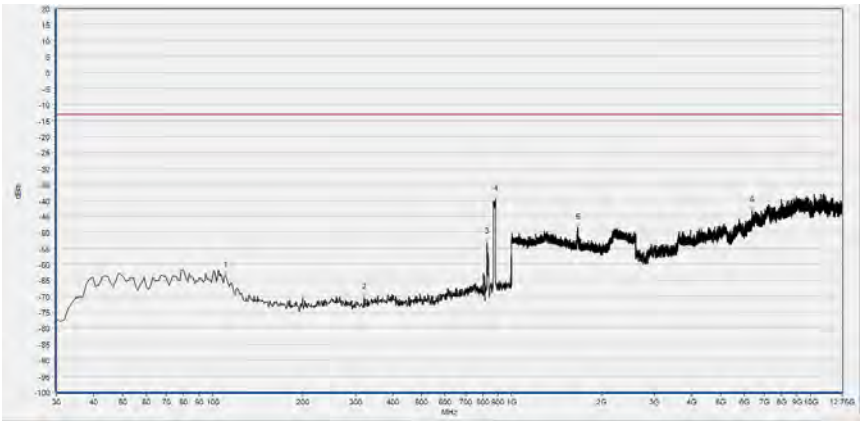


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	231.760	-70.16	-13.00	Vertical	PASS
2	385.020	-69.34	-13.00	Vertical	PASS
3	828.310	-56.63	-13.00	Vertical	N/A
4	874.870	-39.46	-13.00	Vertical	N/A
5	1668.427	-47.58	-13.00	Vertical	PASS
6	3648.409	-49.61	-13.00	Vertical	PASS

LTE Band 26 15MHz BW, Mid Channel, QPSK

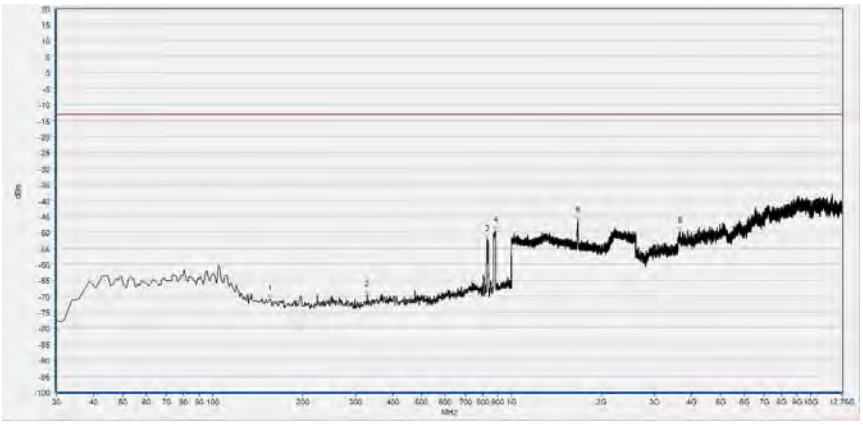


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	253.100	-70.19	-13.00	Horizontal	PASS
2	477.170	-70.25	-13.00	Horizontal	PASS
3	834.130	-47.16	-13.00	Horizontal	N/A
4	881.660	-44.61	-13.00	Horizontal	N/A
5	1485.954	-43.76	-13.00	Horizontal	PASS
6	4722.659	-47.70	-13.00	Horizontal	PASS

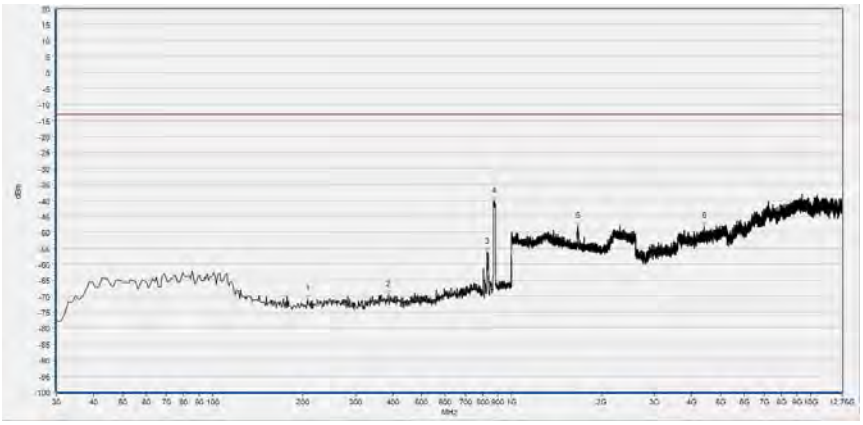


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	110.510	-63.51	-13.00	Vertical	PASS
2	321.000	-70.59	-13.00	Vertical	PASS
3	828.310	-53.08	-13.00	Vertical	N/A
4	882.630	-39.67	-13.00	Vertical	N/A
5	1662.665	-48.68	-13.00	Vertical	PASS
6	6372.795	-43.32	-13.00	Vertical	PASS

LTE Band 26 15MHz BW, High Channel, QPSK

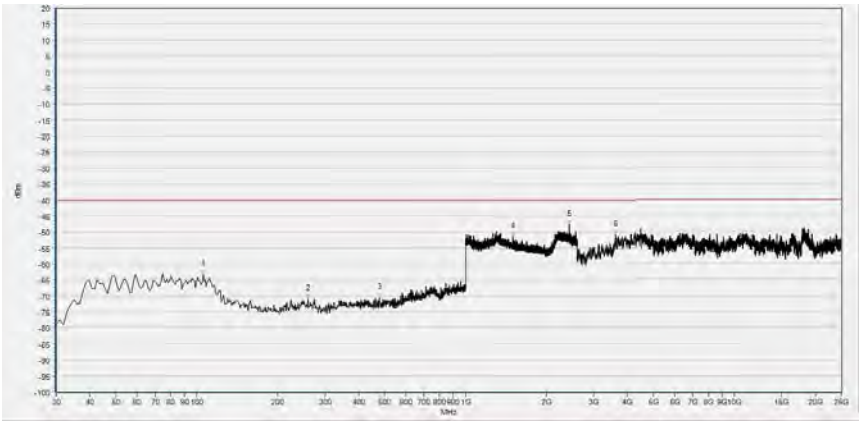


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	155.130	-70.93	-13.00	Horizontal	PASS
2	328.760	-69.70	-13.00	Horizontal	PASS
3	827.340	-52.18	-13.00	Horizontal	N/A
4	882.630	-49.60	-13.00	Horizontal	N/A
5	1663.305	-46.42	-13.00	Horizontal	PASS
6	3665.021	-49.72	-13.00	Horizontal	PASS

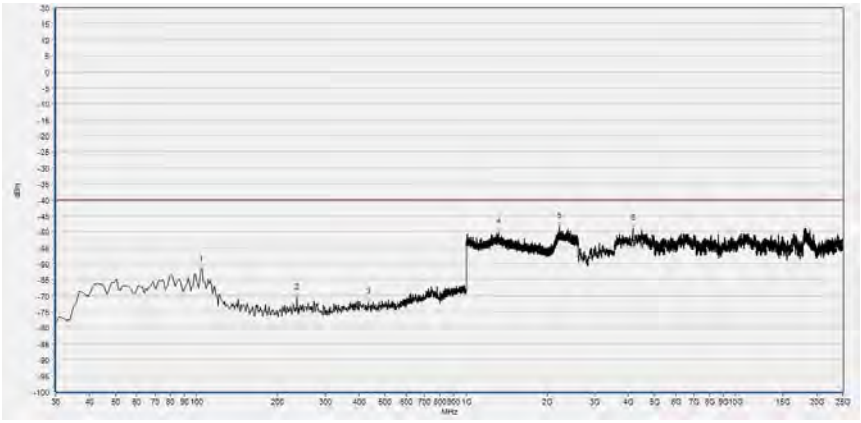


No.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	208.480	-70.98	-13.00	Vertical	PASS
2	387.930	-69.53	-13.00	Vertical	PASS
3	829.280	-56.26	-13.00	Vertical	N/A
4	872.930	-40.34	-13.00	Vertical	N/A
5	1663.305	-48.05	-13.00	Vertical	PASS
6	4410.720	-48.23	-13.00	Vertical	PASS

LTE Band 30 10MHz BW, QPSK

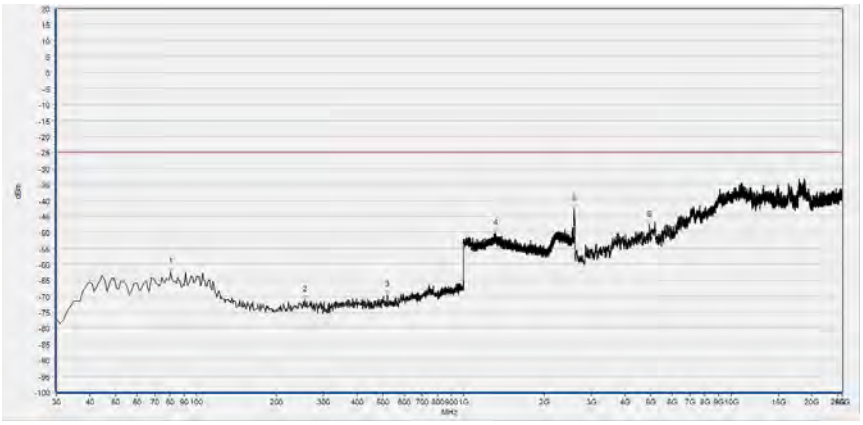


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	105.736	-63.29	-40.00	Horizontal	PASS
2	259.149	-70.95	-40.00	Horizontal	PASS
3	478.589	-70.60	-40.00	Horizontal	PASS
4	1504.168	-51.60	-40.00	Horizontal	PASS
5	2439.413	-47.65	-40.00	Horizontal	PASS
6	3615.763	-50.94	-40.00	Horizontal	PASS

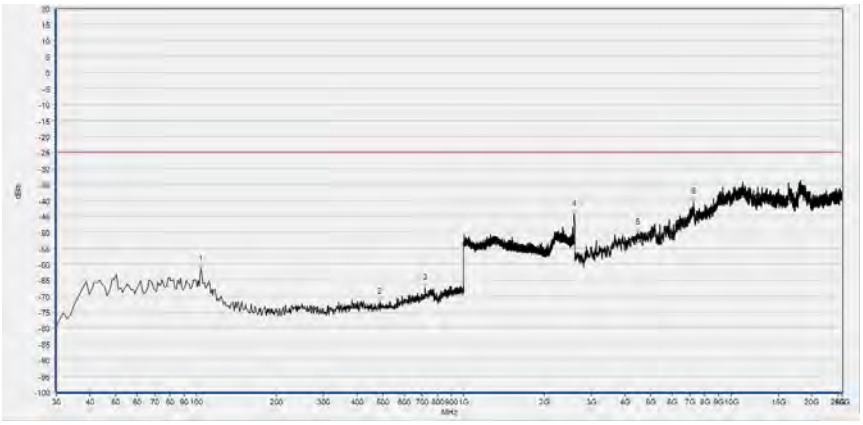


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.73	-40.00	Vertical	PASS
2	235.846	-70.77	-40.00	Vertical	PASS
3	433.924	-72.05	-40.00	Vertical	PASS
4	1322.241	-50.20	-40.00	Vertical	PASS
5	2224.942	-48.38	-40.00	Vertical	PASS
6	4158.752	-49.03	-40.00	Vertical	PASS

LTE Band 38 20MHz BW, Low Channel, QPSK

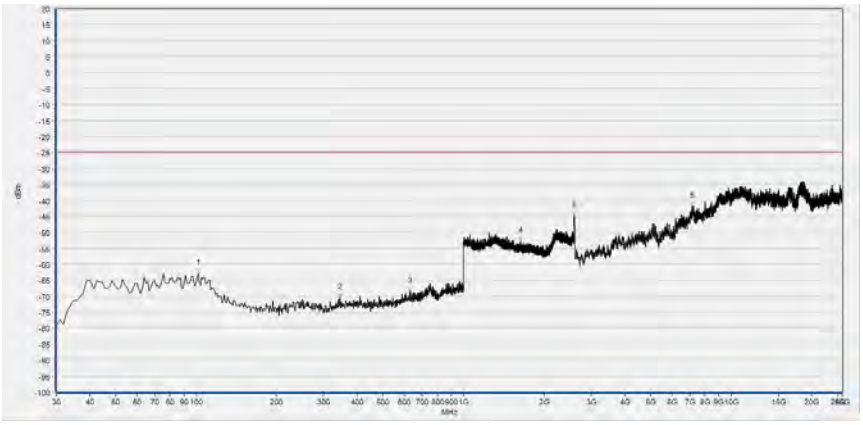


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	80.490	-62.44	-25.00	Horizontal	PASS
2	255.265	-71.25	-25.00	Horizontal	PASS
3	518.398	-69.61	-25.00	Horizontal	PASS
4	1319.040	-50.39	-25.00	Horizontal	PASS
5	2594.665	-42.77	-25.00	Horizontal	PASS
6	4954.511	-47.72	-25.00	Horizontal	PASS

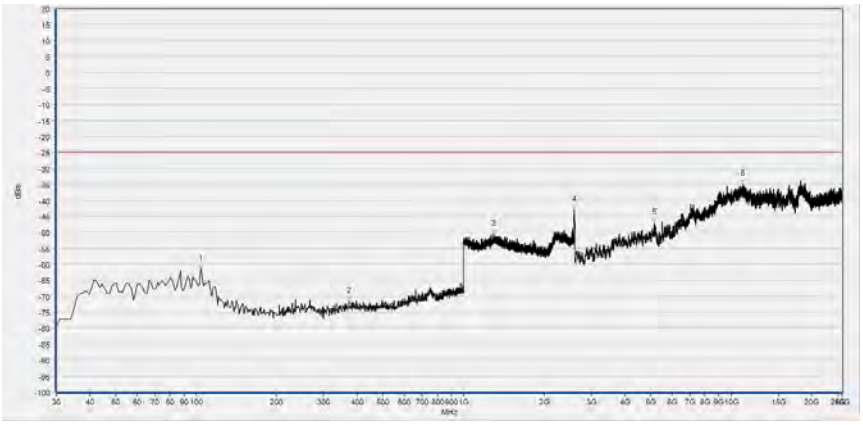


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.63	-25.00	Vertical	PASS
2	486.356	-71.92	-25.00	Vertical	PASS
3	718.418	-67.39	-25.00	Vertical	PASS
4	2593.064	-44.27	-25.00	Vertical	PASS
5	4481.736	-50.14	-25.00	Vertical	PASS
6	7229.446	-40.51	-25.00	Vertical	PASS

LTE Band 38 20MHz BW, Mid Channel, QPSK

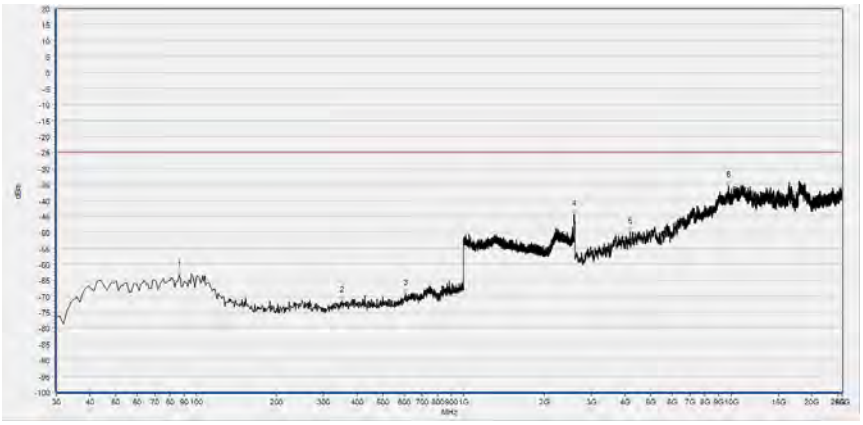


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	101.852	-62.85	-25.00	Horizontal	PASS
2	345.566	-70.45	-25.00	Horizontal	PASS
3	628.118	-68.60	-25.00	Horizontal	PASS
4	1635.412	-52.84	-25.00	Horizontal	PASS
5	2591.464	-44.71	-25.00	Horizontal	PASS
6	7145.189	-41.82	-25.00	Horizontal	PASS

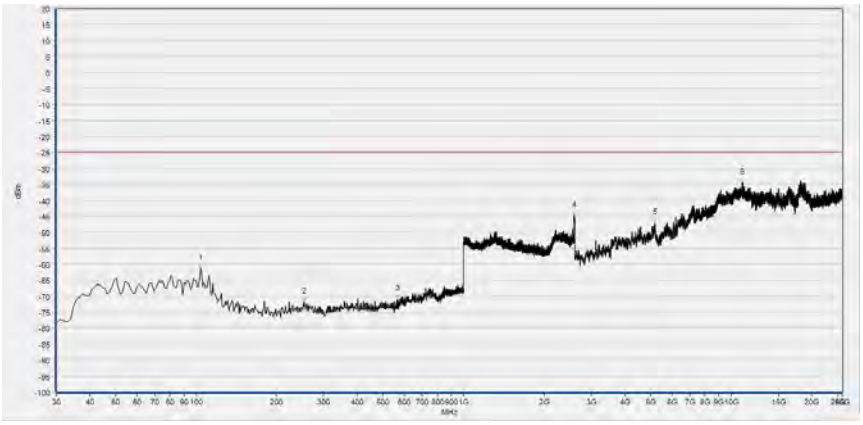


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.51	-25.00	Vertical	PASS
2	372.753	-71.65	-25.00	Vertical	PASS
3	1292.898	-50.63	-25.00	Vertical	PASS
4	2591.464	-43.07	-25.00	Vertical	PASS
5	5165.153	-47.14	-25.00	Vertical	PASS
6	11058.452	-34.89	-25.00	Vertical	PASS

LTE Band 38 20MHz BW, High Channel, QPSK

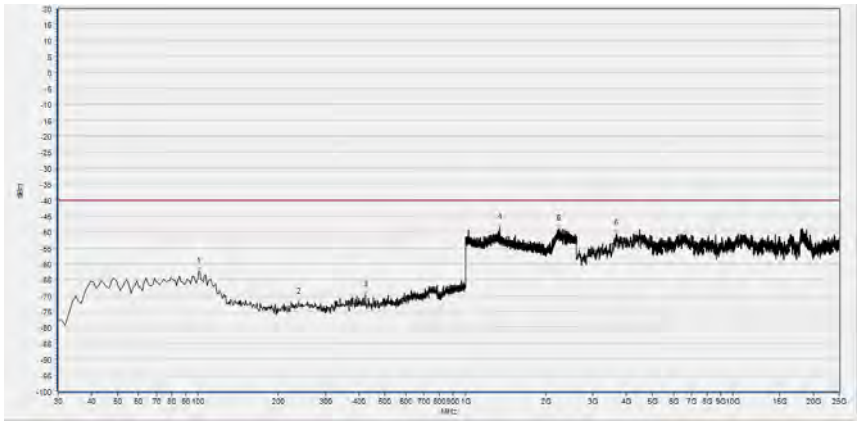


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	86.316	-63.27	-25.00	Horizontal	PASS
2	351.391	-71.31	-25.00	Horizontal	PASS
3	607.728	-69.16	-25.00	Horizontal	PASS
4	2597.332	-44.32	-25.00	Horizontal	PASS
5	4182.156	-49.92	-25.00	Horizontal	PASS
6	9780.556	-35.45	-25.00	Horizontal	PASS

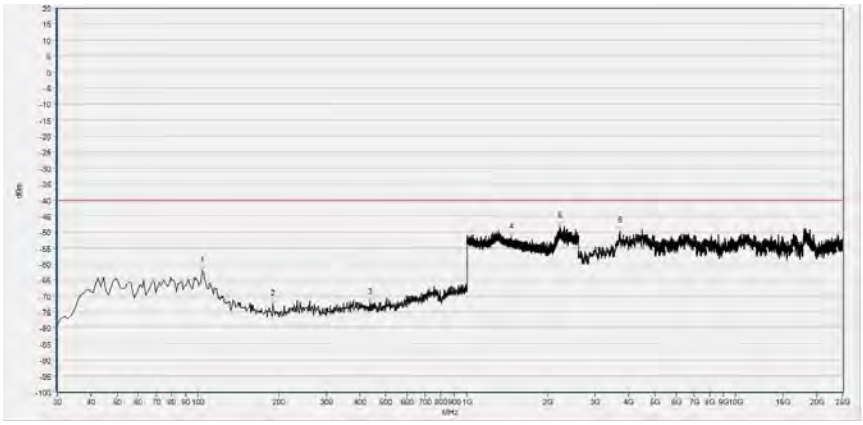


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.33	-25.00	Vertical	PASS
2	253.323	-71.93	-25.00	Vertical	PASS
3	566.947	-70.87	-25.00	Vertical	PASS
4	2590.930	-44.75	-25.00	Vertical	PASS
5	5197.920	-47.06	-25.00	Vertical	PASS
6	10983.557	-34.61	-25.00	Vertical	PASS

LTE Band 40 Block A 10MHz BW, QPSK

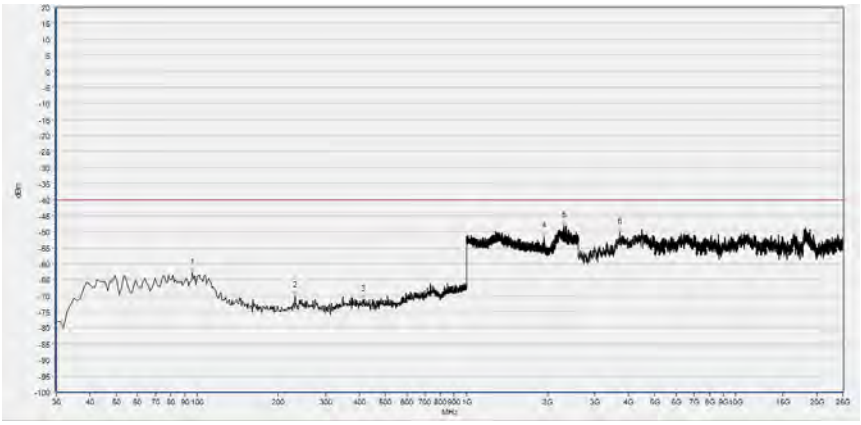


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	100.881	-62.54	-40.00	Horizontal	PASS
2	237.788	-72.05	-40.00	Horizontal	PASS
3	423.243	-69.77	-40.00	Horizontal	PASS
4	1341.447	-48.65	-40.00	Horizontal	PASS
5	2230.277	-48.97	-40.00	Horizontal	PASS
6	3676.615	-50.61	-40.00	Horizontal	PASS

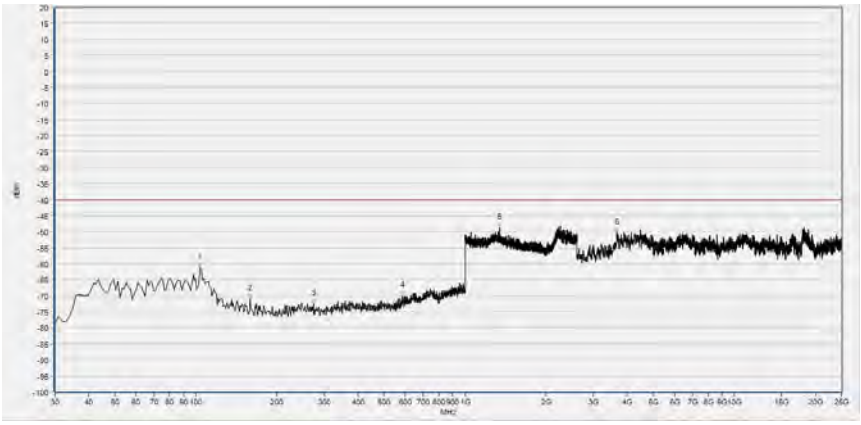


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.92	-40.00	Vertical	PASS
2	190.210	-72.49	-40.00	Vertical	PASS
3	435.866	-71.99	-40.00	Vertical	PASS
4	1460.954	-51.72	-40.00	Vertical	PASS
5	2223.341	-48.27	-40.00	Vertical	PASS
6	3714.063	-49.71	-40.00	Vertical	PASS

LTE Band 40 Block B 10MHz BW, QPSK

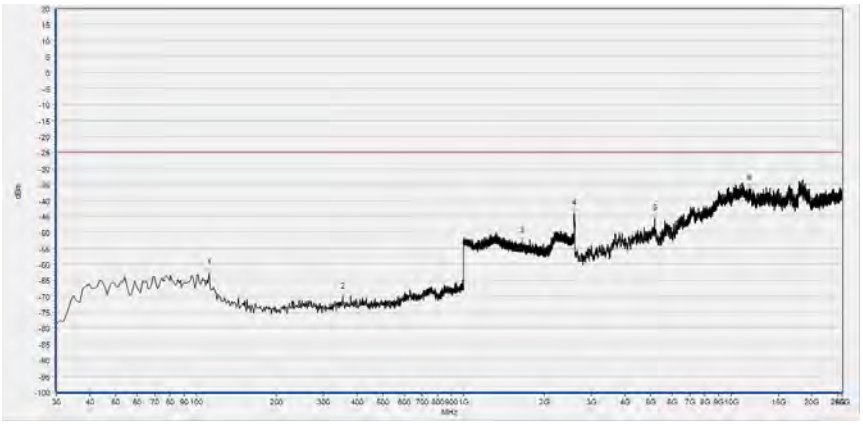


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	96.026	-62.77	-40.00	Horizontal	PASS
2	230.991	-70.10	-40.00	Horizontal	PASS
3	412.563	-71.11	-40.00	Horizontal	PASS
4	1943.248	-51.43	-40.00	Horizontal	PASS
5	2305.502	-48.24	-40.00	Horizontal	PASS
6	3714.063	-50.11	-40.00	Horizontal	PASS

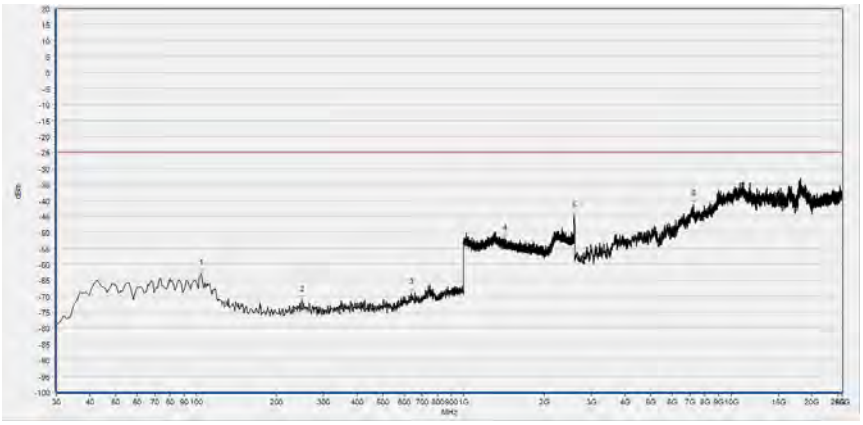


No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	103.794	-61.10	-40.00	Vertical	PASS
2	159.139	-70.98	-40.00	Vertical	PASS
3	273.714	-72.59	-40.00	Vertical	PASS
4	587.337	-70.06	-40.00	Vertical	PASS
5	1345.182	-48.93	-40.00	Vertical	PASS
6	3667.253	-50.39	-40.00	Vertical	PASS

LTE Band 41 20MHz BW, Low Channel, QPSK



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	111.562	-62.86	-25.00	Horizontal	PASS
2	353.333	-70.31	-25.00	Horizontal	PASS
3	1648.750	-52.95	-25.00	Horizontal	PASS
4	2594.665	-44.17	-25.00	Horizontal	PASS
5	5179.196	-45.73	-25.00	Horizontal	PASS
6	11713.783	-36.24	-25.00	Horizontal	PASS



No.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	104.765	-62.96	-25.00	Vertical	PASS
2	248.468	-71.10	-25.00	Vertical	PASS
3	637.828	-68.97	-25.00	Vertical	PASS
4	1430.544	-51.98	-25.00	Vertical	PASS
5	2593.598	-44.81	-25.00	Vertical	PASS
6	7224.765	-41.16	-25.00	Vertical	PASS