Band12 / 1.4MHz / Low CH / QPSK / 1 RB

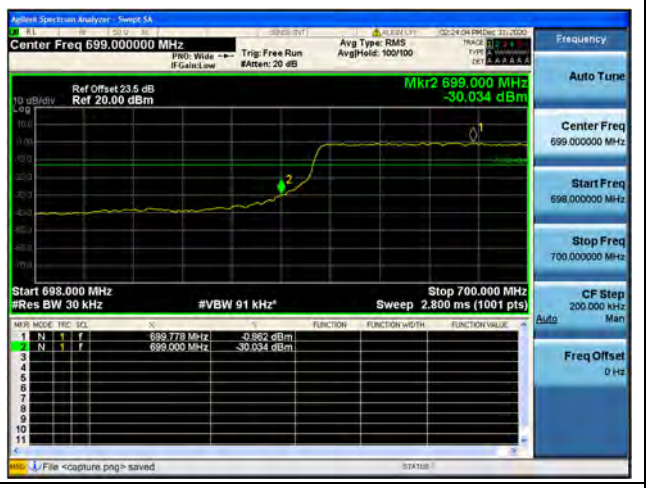
Band12 / 1.4MHz / Low CH / QPSK / FULL RB

Band12 / 1.4MHz / High CH / QPSK / 1 RB

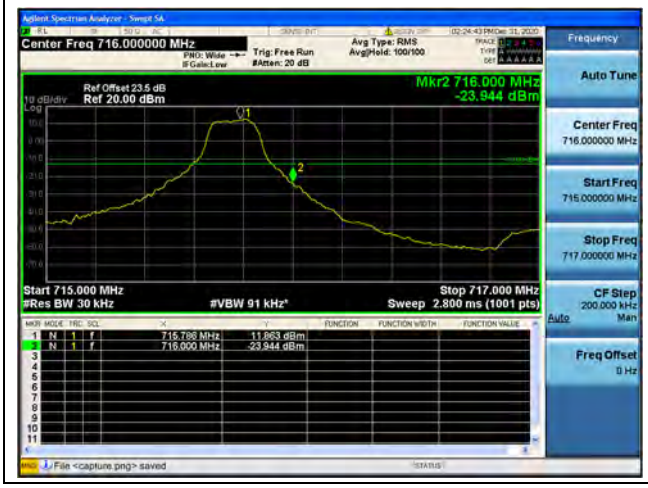
Band12 / 1.4MHz / High CH / QPSK / FULL RB

Band12 / 3MHz / Low CH / QPSK / 1 RB

Band12 / 3MHz / Low CH / QPSK / FULL RB



Band12 / 3MHz / High CH / QPSK / 1 RB



Band12 / 3MHz / High CH / QPSK / FULL RB

Band12 / 5MHz / Low CH / QPSK / 1 RB

Band12 / 5MHz / Low CH / QPSK / FULL RB

Band12 / 5MHz / High CH / QPSK / 1 RB

Band12 / 5MHz / High CH / QPSK / FULL RB

Band12 / 10MHz / Low CH / QPSK / 1 RB

Band12 / 10MHz / Low CH / QPSK / FULL RB

Band12 / 10MHz / High CH / QPSK / 1 RB

Band12 / 10MHz / High CH / QPSK / FULL RB

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

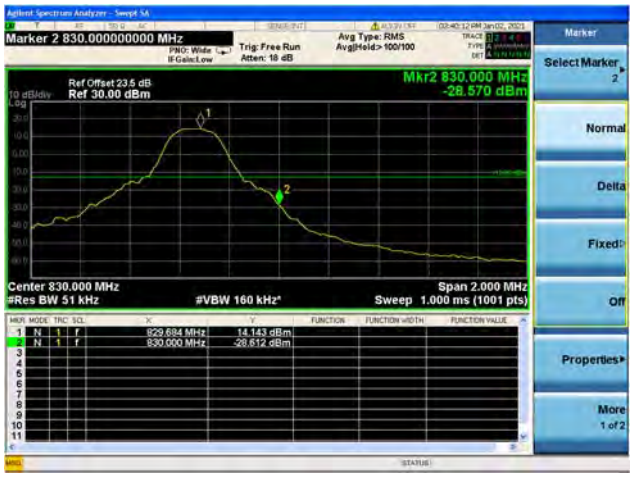
Band17 / 10MHz / High CH / QPSK / 1 RB

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

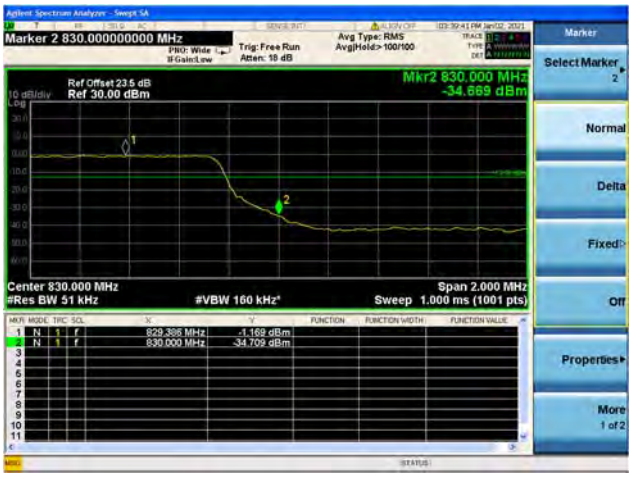
Band18 / 5MHz / Low CH / QPSK / 1 RB

Band18 / 5MHz / Low CH / QPSK / FULL RB

Band18 / 5MHz / High CH / QPSK / 1 RB



Band18 / 5MHz / High CH / QPSK / FULL RB



Band19 / 5MHz / Low CH / QPSK / 1 RB

Band19 / 5MHz / Low CH / QPSK / FULL RB

Band19 / 5MHz / High CH / QPSK / 1 RB

Band19 / 5MHz / High CH / QPSK / FULL RB

Band19 / 10MHz / Low CH / QPSK / 1 RB

Band19 / 10MHz / Low CH / QPSK / FULL RB

Band19 / 10MHz / High CH / QPSK / 1 RB

Band19 / 10MHz / High CH / QPSK / FULL RB

Band19 / 15MHz / Low CH / QPSK / 1 RB

Band19 / 15MHz / Low CH / QPSK / FULL RB

Band19 / 15MHz / High CH / QPSK / 1 RB

Band19 / 15MHz / High CH / QPSK / FULL RB

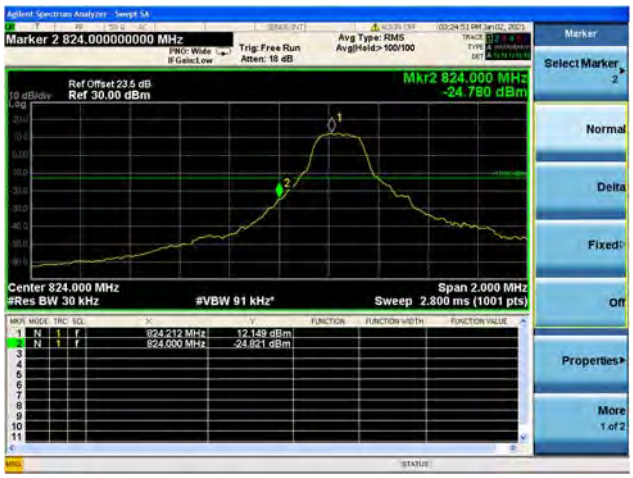
Band26 / 1.4MHz / Low CH / QPSK / 1 RB

Band26 / 1.4MHz / Low CH / QPSK / FULL RB

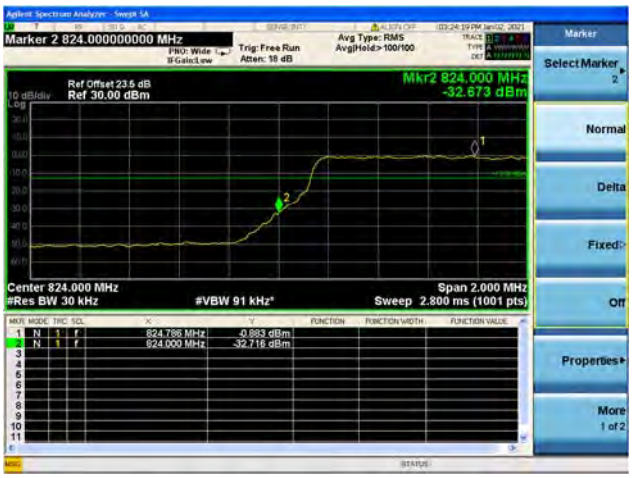
Band26 / 1.4MHz / High CH / QPSK / 1 RB

Band26 / 1.4MHz / High CH / QPSK / FULL RB

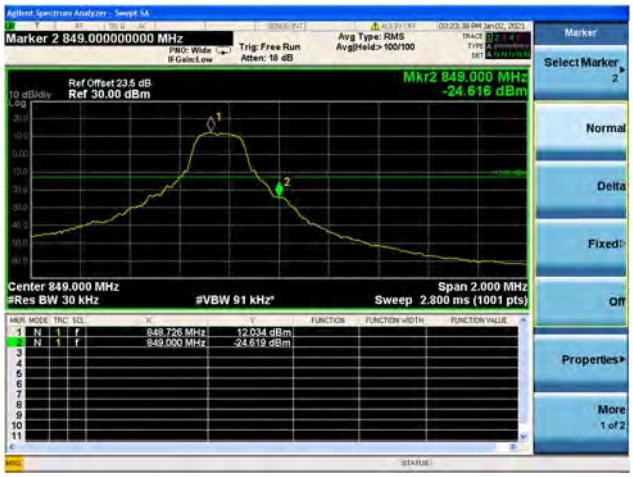
Band26 / 3MHz / Low CH / QPSK / 1 RB



Band26 / 3MHz / Low CH / QPSK / FULL RB



Band26 / 3MHz / High CH / QPSK / 1 RB

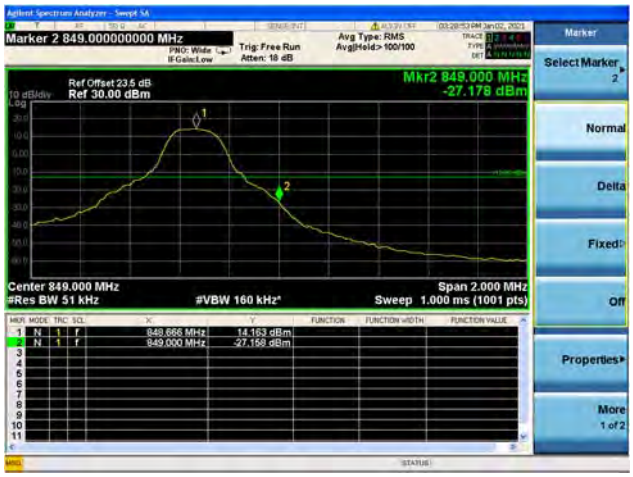


Band26 / 3MHz / High CH / QPSK / FULL RB

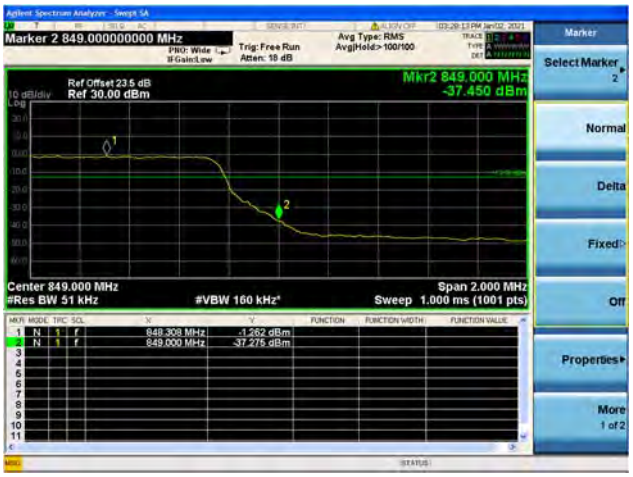
Band26 / 5MHz / Low CH / QPSK / 1 RB

Band26 / 5MHz / Low CH / QPSK / FULL RB

Band26 / 5MHz / High CH / QPSK / 1 RB



Band26 / 5MHz / High CH / QPSK / FULL RB



Band26 / 10MHz / Low CH / QPSK / 1 RB

Band26 / 10MHz / Low CH / QPSK / FULL RB

Band26 / 10MHz / High CH / QPSK / 1 RB

Band26 / 10MHz / High CH / QPSK / FULL RB

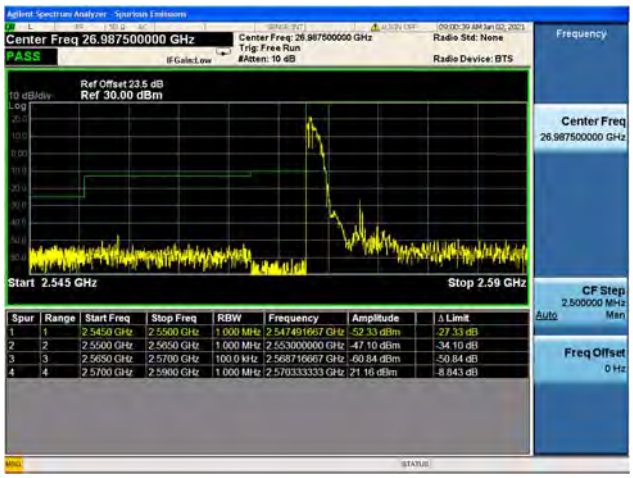
Band26 / 15MHz / Low CH / QPSK / 1 RB

Band26 / 15MHz / Low CH / QPSK / FULL RB

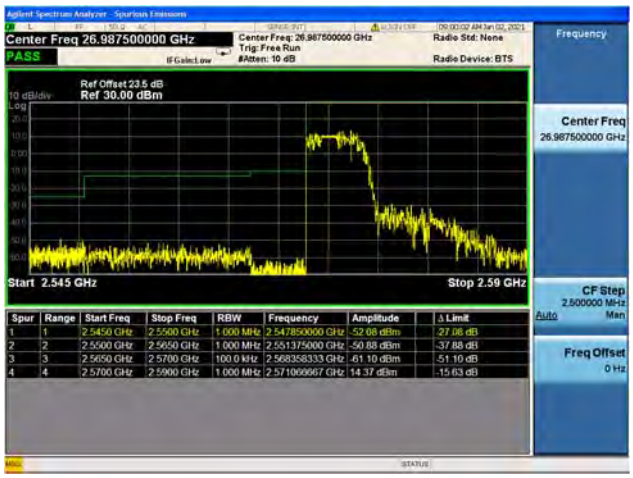
Band26 / 15MHz / High CH / QPSK / 1 RB

Band26 / 15MHz / High CH / QPSK / FULL RB

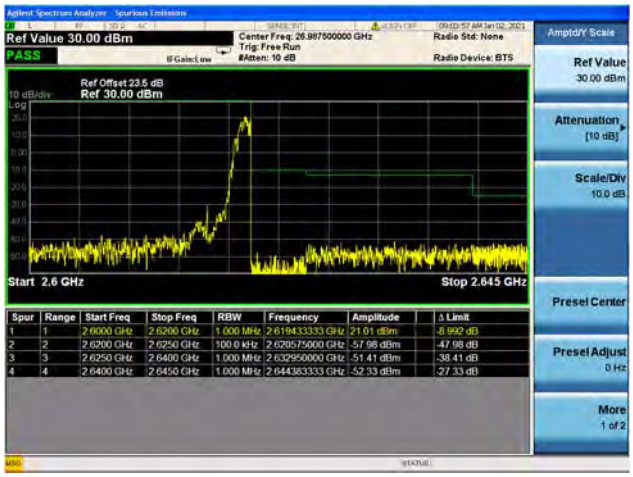
Band38 / 5MHz / Low CH / QPSK / 1 RB



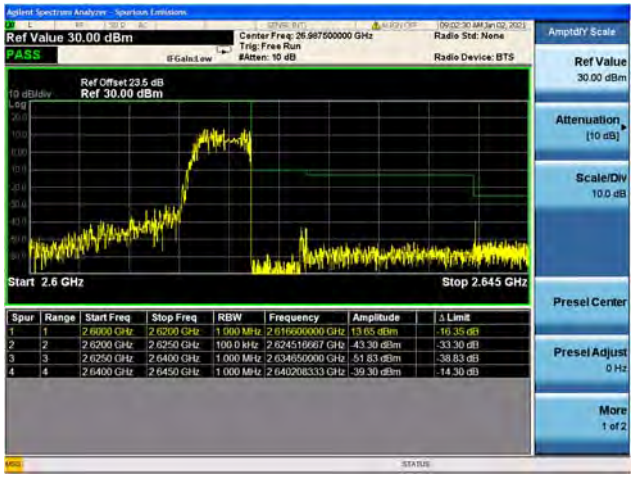
Band38 / 5MHz / Low CH / QPSK / FULL RB



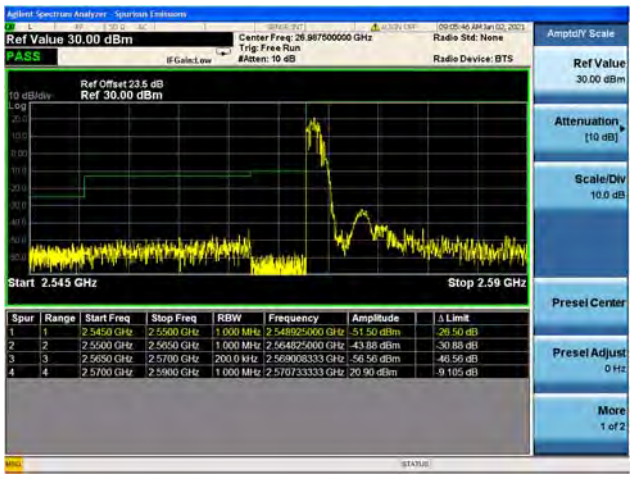
Band38 / 5MHz / High CH / QPSK / 1 RB



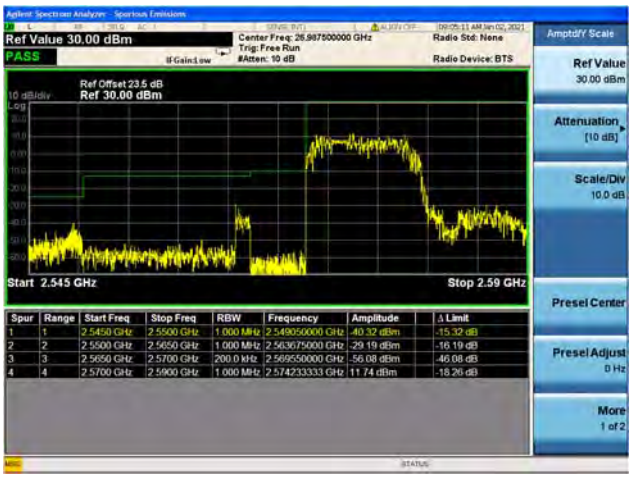
Band38 / 5MHz / High CH / QPSK / FULL RB



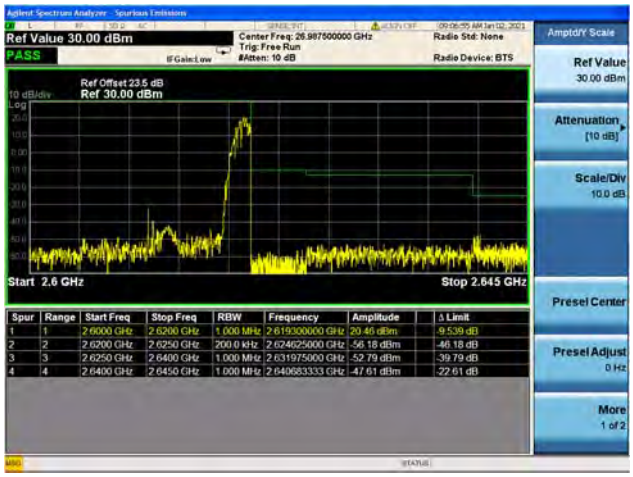
Band38 / 10MHz / Low CH / QPSK / 1 RB



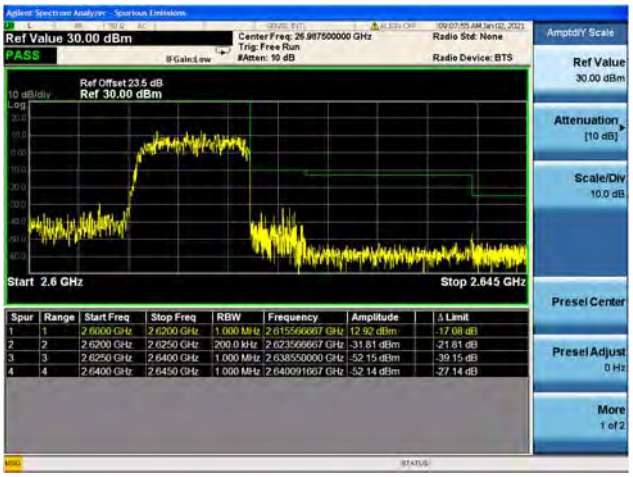
Band38 / 10MHz / Low CH / QPSK / FULL RB



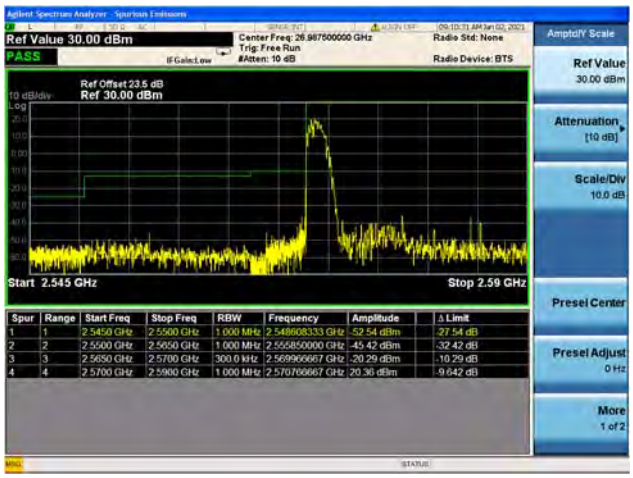
Band38 / 10MHz / High CH / QPSK / 1 RB



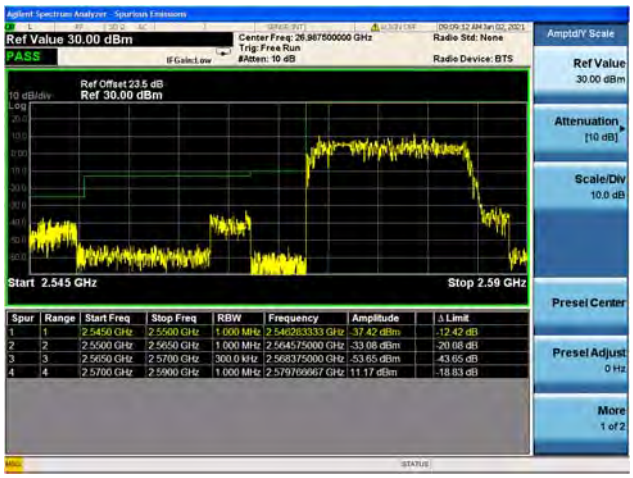
Band38 / 10MHz / High CH / QPSK / FULL RB



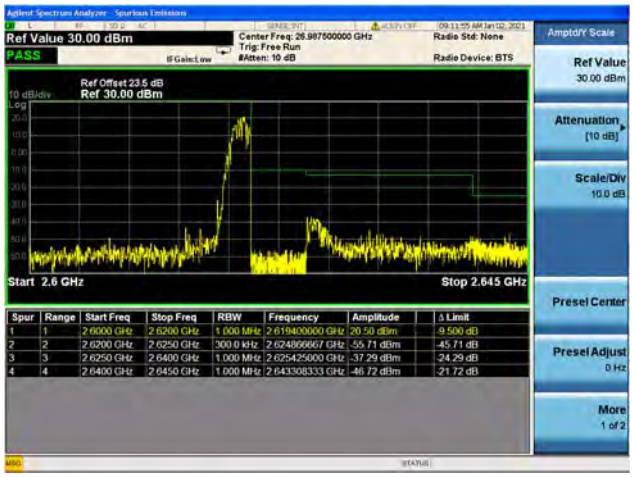
Band38 / 15MHz / Low CH / QPSK / 1 RB



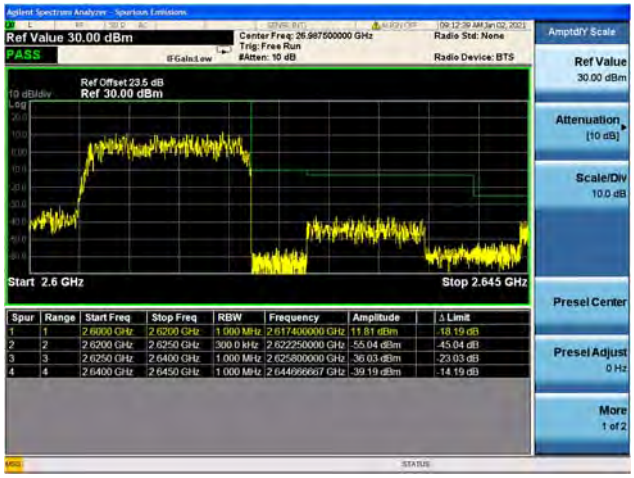
Band38 / 15MHz / Low CH / QPSK / FULL RB



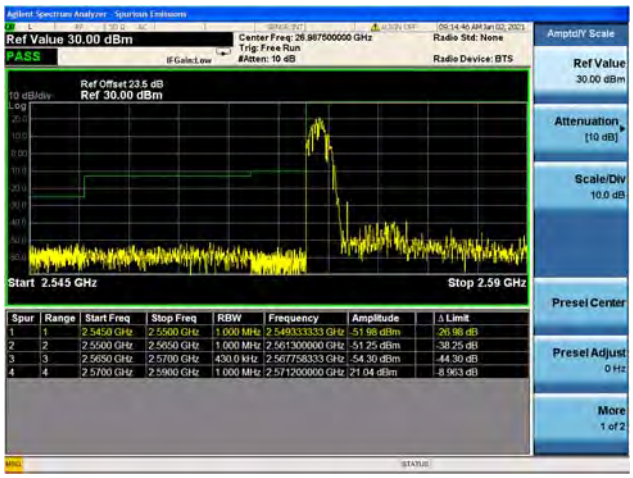
Band38 / 15MHz / High CH / QPSK / 1 RB



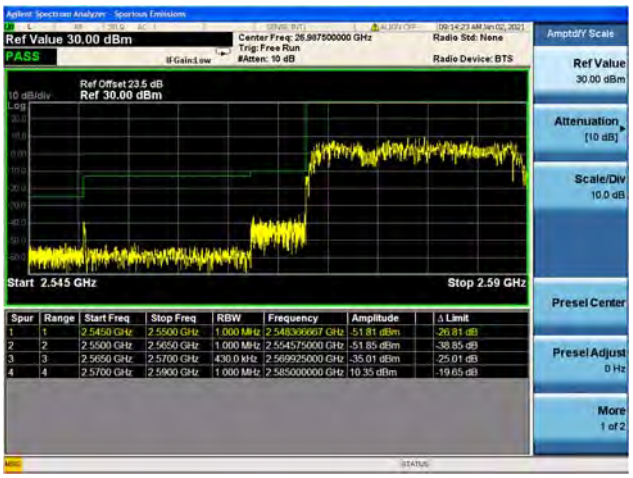
Band38 / 15MHz / High CH / QPSK / FULL RB



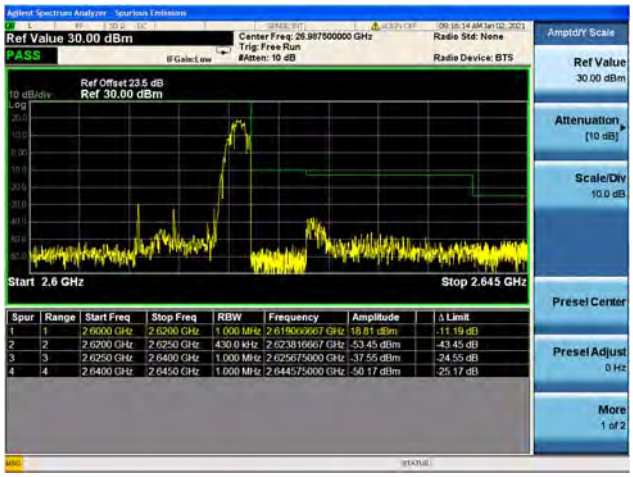
Band38 / 20MHz / Low CH / QPSK / 1 RB



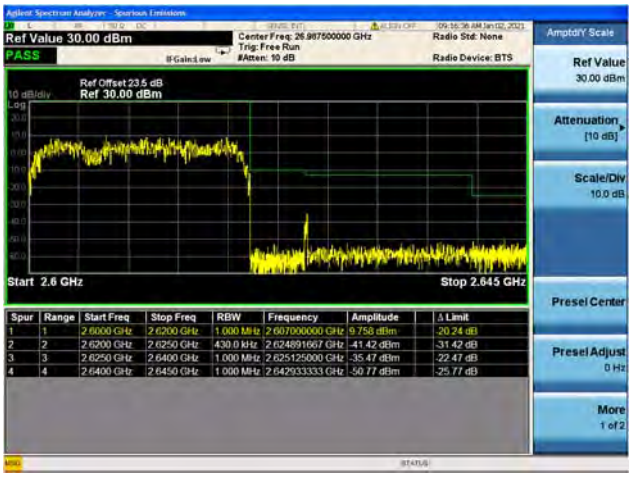
Band38 / 20MHz / Low CH / QPSK / FULL RB



Band38 / 20MHz / High CH / QPSK / 1 RB

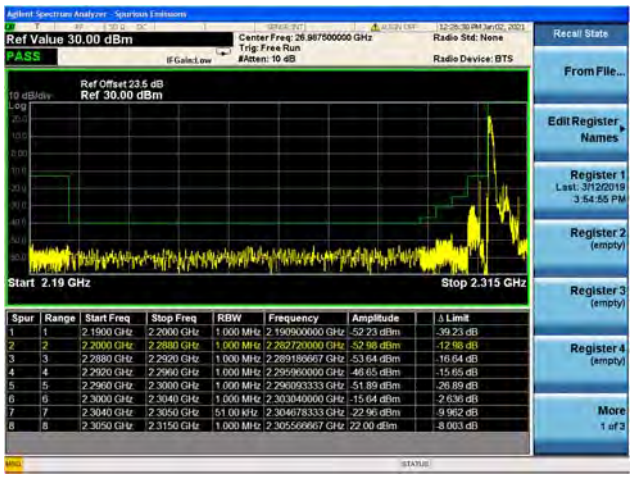


Band38 / 20MHz / High CH / QPSK / FULL RB



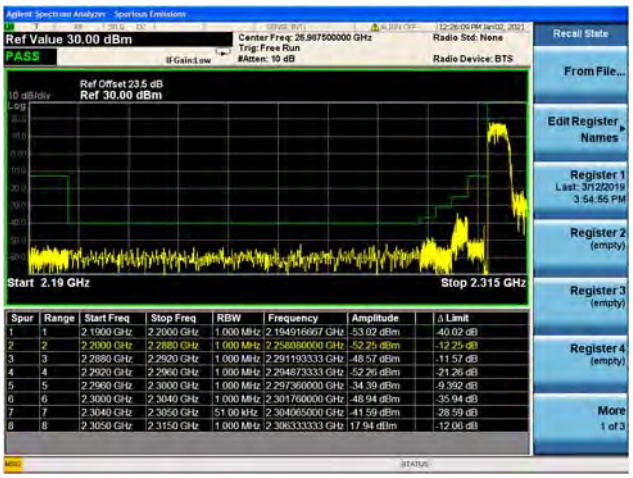
Band 40, Block A

Band40 / 5MHz / Low CH / QPSK / 1 RB



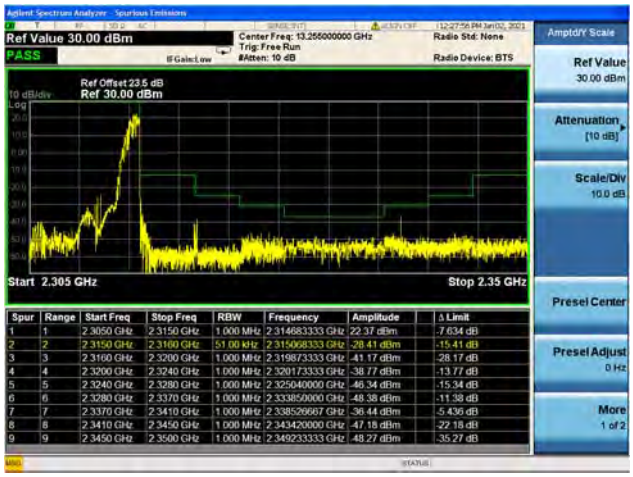
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.190900000 GHz	-52.23 dBm	-39.23 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.262720000 GHz	-52.98 dBm	-12.98 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.289189667 GHz	-53.64 dBm	-16.64 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.295960000 GHz	-46.65 dBm	-15.65 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.296093333 GHz	-51.89 dBm	-26.89 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.303040000 GHz	-15.64 dBm	-2.636 dB
7	7	2.3040 GHz	2.3050 GHz	51.00 kHz	2.304678333 GHz	-22.96 dBm	-9.962 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.305566667 GHz	22.00 dBm	-8.003 dB

Band40 / 5MHz / Low CH / QPSK / FULL RB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.194916667 GHz	-53.02 dBm	-40.02 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.256860000 GHz	-52.25 dBm	-12.25 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291100333 GHz	-48.57 dBm	-11.57 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.294873333 GHz	-52.26 dBm	-21.26 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.297360000 GHz	-34.39 dBm	-9.392 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.301760000 GHz	-48.94 dBm	-35.94 dB
7	7	2.3040 GHz	2.3050 GHz	51.00 kHz	2.304065000 GHz	-41.59 dBm	-28.59 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.306333333 GHz	17.94 dBm	-12.06 dB

Band40 / 5MHz / High CH / QPSK / 1 RB



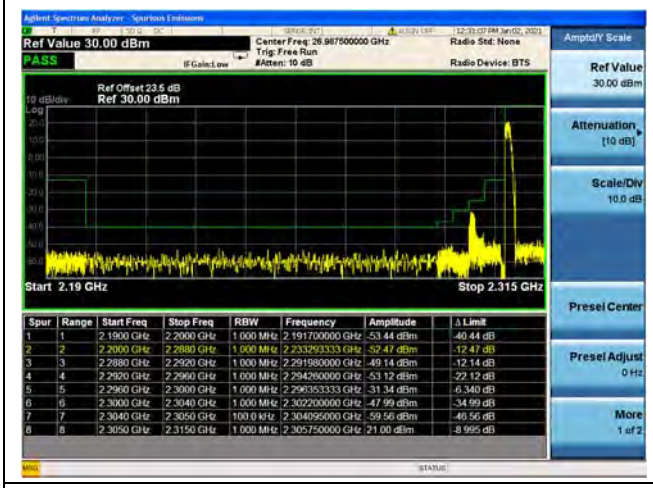
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3150 GHz	1.000 MHz	2.314683333 GHz	22.37 dBm	-7.634 dB
2	2	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315068333 GHz	-28.41 dBm	-15.41 dB
3	3	2.3160 GHz	2.3200 GHz	1.000 MHz	2.319873333 GHz	-41.17 dBm	-28.17 dB
4	4	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320173333 GHz	-38.77 dBm	-13.77 dB
5	5	2.3240 GHz	2.3280 GHz	1.000 MHz	2.325040000 GHz	-46.34 dBm	-15.34 dB
6	6	2.3280 GHz	2.3370 GHz	1.000 MHz	2.333850000 GHz	-48.38 dBm	-11.38 dB
7	7	2.3370 GHz	2.3410 GHz	1.000 MHz	2.338526667 GHz	-36.44 dBm	-5.436 dB
8	8	2.3410 GHz	2.3450 GHz	1.000 MHz	2.343420000 GHz	-47.18 dBm	-22.18 dB
9	9	2.3450 GHz	2.3500 GHz	1.000 MHz	2.349233333 GHz	-48.27 dBm	-35.27 dB

Band40 / 5MHz / High CH / QPSK / FULL RB

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3150 GHz	1.000 MHz	2.311600000 GHz	15.74 dBm	-14.26 dB
2	2	2.3150 GHz	2.3160 GHz	51.00 kHz	2.315683333 GHz	-62.70 dBm	-49.70 dB
3	3	2.3160 GHz	2.3200 GHz	1.000 MHz	2.318313333 GHz	-26.89 dBm	-13.89 dB
4	4	2.3200 GHz	2.3240 GHz	1.000 MHz	2.322900000 GHz	-32.27 dBm	-7.270 dB
5	5	2.3240 GHz	2.3280 GHz	1.000 MHz	2.325426667 GHz	-42.80 dBm	-11.80 dB
6	6	2.3280 GHz	2.3370 GHz	1.000 MHz	2.336850000 GHz	-46.35 dBm	-9.347 dB
7	7	2.3370 GHz	2.3410 GHz	1.000 MHz	2.337453333 GHz	-43.68 dBm	-12.68 dB
8	8	2.3410 GHz	2.3450 GHz	1.000 MHz	2.341233333 GHz	-48.40 dBm	-23.40 dB
9	9	2.3450 GHz	2.3500 GHz	1.000 MHz	2.348058333 GHz	-48.82 dBm	-35.82 dB

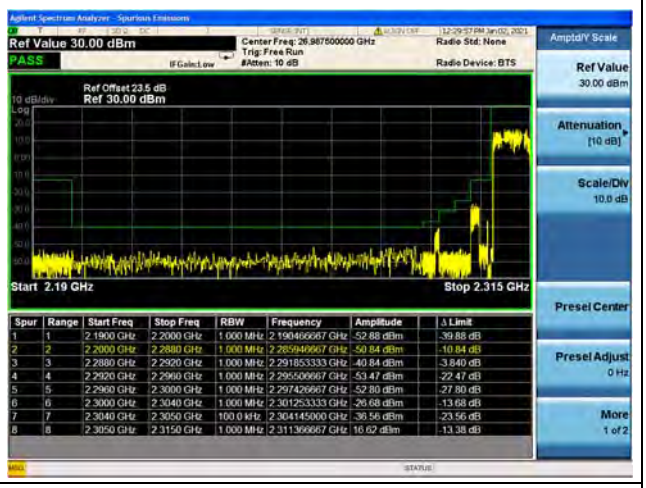
Band 40, Block A

Band40 / 10MHz / Low CH / QPSK / 1 RB



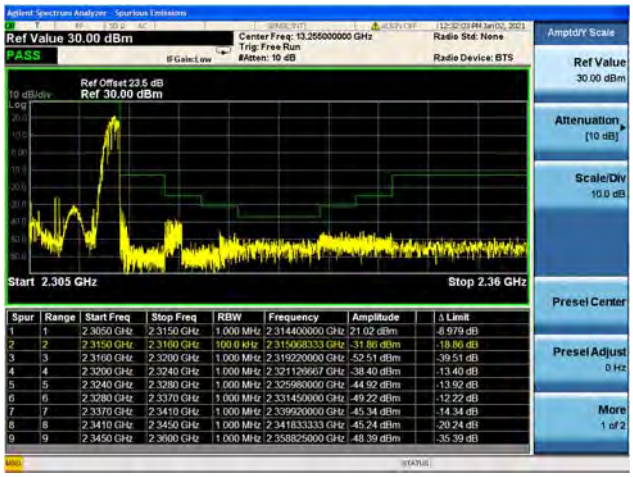
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.191700000 GHz	-53.44 dBm	-40.44 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.233293333 GHz	-52.47 dBm	-12.47 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.2891980000 GHz	-49.14 dBm	-12.14 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.294260000 GHz	-53.12 dBm	-22.12 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.296353333 GHz	-31.34 dBm	-6.340 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.302200000 GHz	-47.99 dBm	-34.99 dB
7	7	2.3040 GHz	2.3050 GHz	100.0 kHz	2.304095000 GHz	-59.56 dBm	-46.56 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.305750000 GHz	-21.00 dBm	-8.995 dB

Band40 / 10MHz / Low CH / QPSK / FULL RB



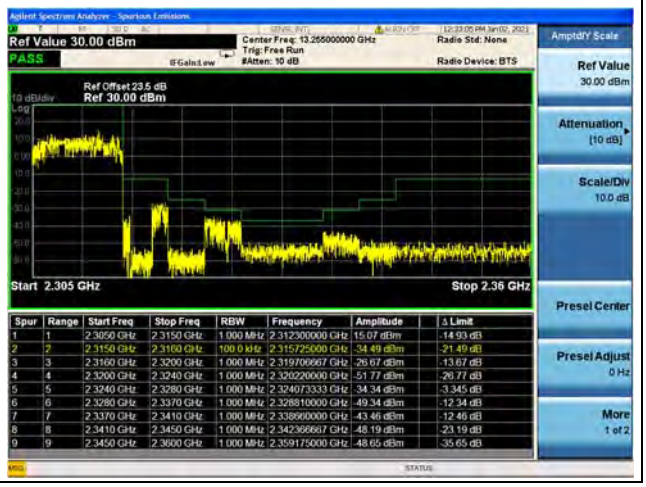
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.1900 GHz	2.2000 GHz	1.000 MHz	2.190466667 GHz	-52.88 dBm	-39.88 dB
2	2	2.2000 GHz	2.2880 GHz	1.000 MHz	2.265966667 GHz	-50.84 dBm	-10.84 dB
3	3	2.2880 GHz	2.2920 GHz	1.000 MHz	2.291853333 GHz	-40.84 dBm	-3.840 dB
4	4	2.2920 GHz	2.2960 GHz	1.000 MHz	2.295500667 GHz	-53.47 dBm	-22.47 dB
5	5	2.2960 GHz	2.3000 GHz	1.000 MHz	2.297426667 GHz	-52.80 dBm	-27.80 dB
6	6	2.3000 GHz	2.3040 GHz	1.000 MHz	2.301253333 GHz	-26.68 dBm	-13.68 dB
7	7	2.3040 GHz	2.3050 GHz	100.0 kHz	2.304145000 GHz	-36.56 dBm	-23.56 dB
8	8	2.3050 GHz	2.3150 GHz	1.000 MHz	2.311366667 GHz	-16.62 dBm	-13.38 dB

Band40 / 10MHz / High CH / QPSK / 1 RB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3150 GHz	1.000 MHz	2.314400000 GHz	21.02 dBm	-8.979 dB
2	2	2.3150 GHz	2.3160 GHz	100.0 kHz	2.315068333 GHz	-31.86 dBm	-18.86 dB
3	3	2.3160 GHz	2.3200 GHz	1.000 MHz	2.319220000 GHz	-52.51 dBm	-39.51 dB
4	4	2.3200 GHz	2.3240 GHz	1.000 MHz	2.321126667 GHz	-38.40 dBm	-13.40 dB
5	5	2.3240 GHz	2.3280 GHz	1.000 MHz	2.325980000 GHz	-44.92 dBm	-13.92 dB
6	6	2.3280 GHz	2.3370 GHz	1.000 MHz	2.331450000 GHz	-49.22 dBm	-12.22 dB
7	7	2.3370 GHz	2.3410 GHz	1.000 MHz	2.339920000 GHz	-45.34 dBm	-14.34 dB
8	8	2.3410 GHz	2.3450 GHz	1.000 MHz	2.341833333 GHz	-45.24 dBm	-20.24 dB
9	9	2.3450 GHz	2.3600 GHz	1.000 MHz	2.358825000 GHz	-48.39 dBm	-35.39 dB

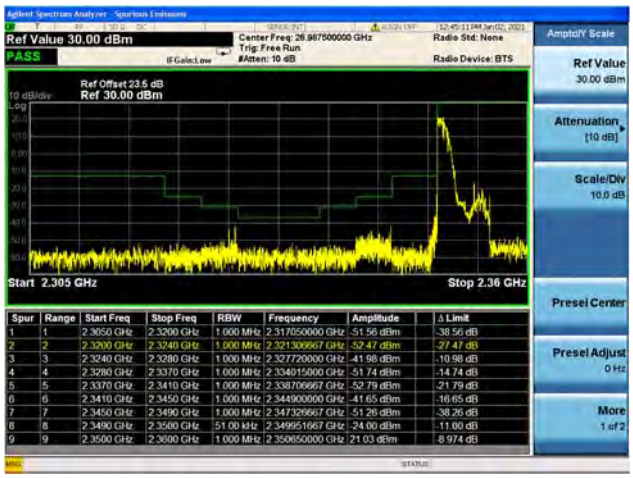
Band40 / 10MHz / High CH / QPSK / FULL RB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3150 GHz	1.000 MHz	2.312300000 GHz	15.07 dBm	-14.93 dB
2	2	2.3150 GHz	2.3160 GHz	100.0 kHz	2.315725000 GHz	-34.49 dBm	-21.49 dB
3	3	2.3160 GHz	2.3200 GHz	1.000 MHz	2.319766667 GHz	-26.67 dBm	-13.67 dB
4	4	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320220000 GHz	-51.77 dBm	-26.77 dB
5	5	2.3240 GHz	2.3280 GHz	1.000 MHz	2.324073333 GHz	-34.34 dBm	-3.345 dB
6	6	2.3280 GHz	2.3370 GHz	1.000 MHz	2.328810000 GHz	-49.34 dBm	-12.34 dB
7	7	2.3370 GHz	2.3410 GHz	1.000 MHz	2.338660000 GHz	-43.46 dBm	-12.46 dB
8	8	2.3410 GHz	2.3450 GHz	1.000 MHz	2.342366667 GHz	-48.19 dBm	-23.19 dB
9	9	2.3450 GHz	2.3600 GHz	1.000 MHz	2.359175000 GHz	-48.65 dBm	-35.65 dB

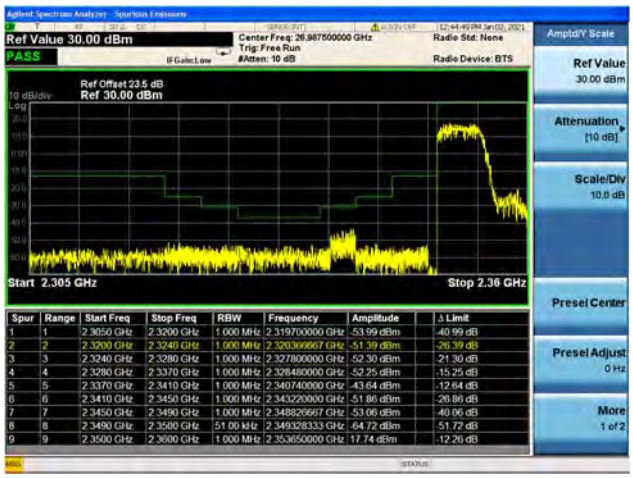
Band 40, Block B

Band40 / 5MHz / Low CH / QPSK / 1 RB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3200 GHz	1.000 MHz	2.317050000 GHz	-51.56 dBm	-38.56 dB
2	2	2.3200 GHz	2.3240 GHz	1.000 MHz	2.321309667 GHz	-52.47 dBm	-27.47 dB
3	3	2.3240 GHz	2.3280 GHz	1.000 MHz	2.327720000 GHz	-41.98 dBm	-10.98 dB
4	4	2.3280 GHz	2.3370 GHz	1.000 MHz	2.334015000 GHz	-51.74 dBm	-14.74 dB
5	5	2.3370 GHz	2.3410 GHz	1.000 MHz	2.338706667 GHz	-52.79 dBm	-21.79 dB
6	6	2.3410 GHz	2.3450 GHz	1.000 MHz	2.344900000 GHz	-41.65 dBm	-16.65 dB
7	7	2.3450 GHz	2.3490 GHz	1.000 MHz	2.347326667 GHz	-51.26 dBm	-38.26 dB
8	8	2.3490 GHz	2.3500 GHz	51.00 kHz	2.349951667 GHz	-24.00 dBm	-11.00 dB
9	9	2.3500 GHz	2.3600 GHz	1.000 MHz	2.350650000 GHz	21.03 dBm	-8.974 dB

Band40 / 5MHz / Low CH / QPSK / FULL RB

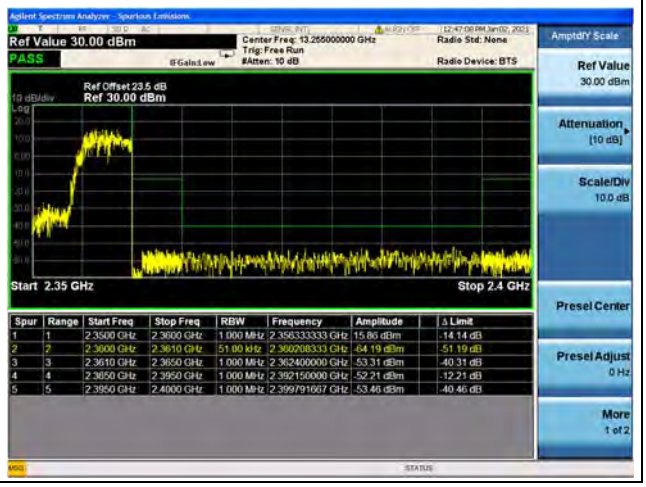


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3200 GHz	1.000 MHz	2.319700000 GHz	-53.99 dBm	-40.99 dB
2	2	2.3200 GHz	2.3240 GHz	1.000 MHz	2.320309667 GHz	-51.39 dBm	-26.39 dB
3	3	2.3240 GHz	2.3280 GHz	1.000 MHz	2.327800000 GHz	-52.30 dBm	-21.30 dB
4	4	2.3280 GHz	2.3370 GHz	1.000 MHz	2.328480000 GHz	-52.25 dBm	-15.25 dB
5	5	2.3370 GHz	2.3410 GHz	1.000 MHz	2.340740000 GHz	-43.64 dBm	-12.64 dB
6	6	2.3410 GHz	2.3450 GHz	1.000 MHz	2.343220000 GHz	-51.86 dBm	-26.86 dB
7	7	2.3450 GHz	2.3490 GHz	1.000 MHz	2.348826667 GHz	-53.06 dBm	-40.06 dB
8	8	2.3490 GHz	2.3500 GHz	51.00 kHz	2.349328333 GHz	-64.72 dBm	-51.72 dB
9	9	2.3500 GHz	2.3600 GHz	1.000 MHz	2.353650000 GHz	17.74 dBm	-12.26 dB

Band40 / 5MHz / High CH / QPSK / 1 RB

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3500 GHz	2.3600 GHz	1.000 MHz	2.359533333 GHz	21.54 dBm	-8.459 dB
2	2	2.3600 GHz	2.3610 GHz	51.00 kHz	2.360016667 GHz	-26.05 dBm	-13.05 dB
3	3	2.3610 GHz	2.3650 GHz	1.000 MHz	2.361493333 GHz	-24.23 dBm	-11.23 dB
4	4	2.3650 GHz	2.3950 GHz	1.000 MHz	2.367200000 GHz	-52.19 dBm	-12.19 dB
5	5	2.3950 GHz	2.4000 GHz	1.000 MHz	2.397116667 GHz	-51.54 dBm	-38.54 dB

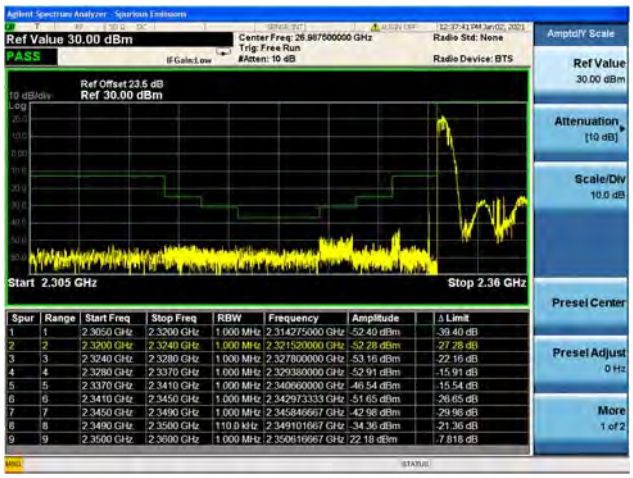
Band40 / 5MHz / High CH / QPSK / FULL RB



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3500 GHz	2.3600 GHz	1.000 MHz	2.356333333 GHz	15.86 dBm	-14.14 dB
2	2	2.3600 GHz	2.3610 GHz	51.00 kHz	2.360208333 GHz	-64.19 dBm	-51.19 dB
3	3	2.3610 GHz	2.3650 GHz	1.000 MHz	2.362400000 GHz	-53.31 dBm	-40.31 dB
4	4	2.3650 GHz	2.3950 GHz	1.000 MHz	2.392150000 GHz	-52.21 dBm	-12.21 dB
5	5	2.3950 GHz	2.4000 GHz	1.000 MHz	2.399791667 GHz	-53.46 dBm	-40.46 dB

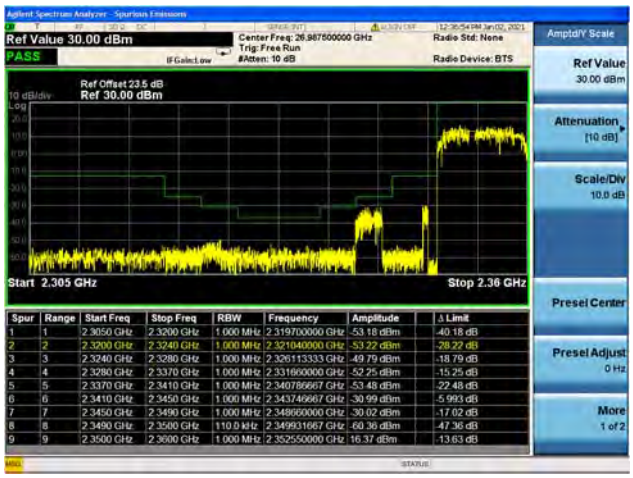
Band 40, Block B

Band40 / 10MHz / Low CH / QPSK / 1 RB



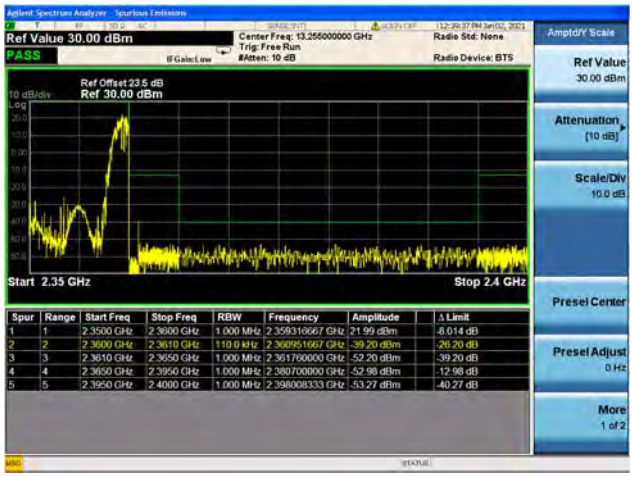
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3200 GHz	1.000 MHz	2.314275000 GHz	-52.40 dBm	-39.40 dB
2	2	2.3200 GHz	2.3240 GHz	1.000 MHz	2.321520000 GHz	-52.28 dBm	-27.28 dB
3	3	2.3240 GHz	2.3280 GHz	1.000 MHz	2.327800000 GHz	-53.16 dBm	-22.16 dB
4	4	2.3280 GHz	2.3370 GHz	1.000 MHz	2.329380000 GHz	-52.91 dBm	-15.91 dB
5	5	2.3370 GHz	2.3410 GHz	1.000 MHz	2.340660000 GHz	-46.54 dBm	-15.54 dB
6	6	2.3410 GHz	2.3450 GHz	1.000 MHz	2.342973333 GHz	-51.65 dBm	-26.65 dB
7	7	2.3450 GHz	2.3490 GHz	1.000 MHz	2.345846667 GHz	-42.98 dBm	-29.98 dB
8	8	2.3490 GHz	2.3500 GHz	110.0 kHz	2.349101667 GHz	-34.36 dBm	-21.36 dB
9	9	2.3500 GHz	2.3600 GHz	1.000 MHz	2.350616667 GHz	22.18 dBm	-7.818 dB

Band40 / 10MHz / Low CH / QPSK / FULL RB



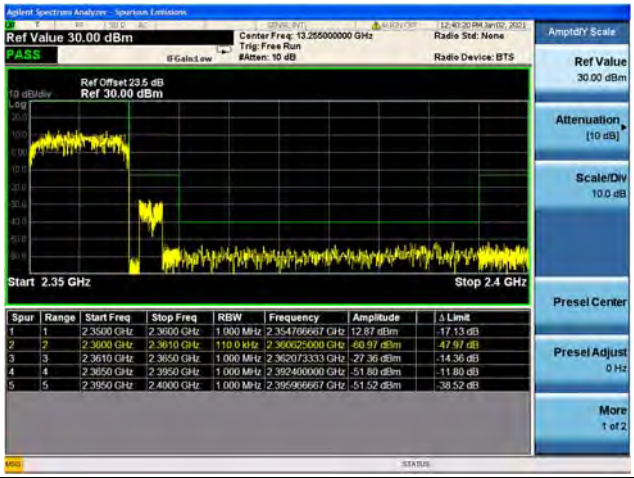
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3050 GHz	2.3200 GHz	1.000 MHz	2.319700000 GHz	-53.18 dBm	-40.18 dB
2	2	2.3200 GHz	2.3240 GHz	1.000 MHz	2.321040000 GHz	-53.22 dBm	-28.22 dB
3	3	2.3240 GHz	2.3280 GHz	1.000 MHz	2.326113333 GHz	-49.79 dBm	-18.79 dB
4	4	2.3280 GHz	2.3370 GHz	1.000 MHz	2.331660000 GHz	-52.25 dBm	-15.25 dB
5	5	2.3370 GHz	2.3410 GHz	1.000 MHz	2.340786667 GHz	-53.48 dBm	-22.48 dB
6	6	2.3410 GHz	2.3450 GHz	1.000 MHz	2.343746667 GHz	-30.99 dBm	-5.993 dB
7	7	2.3450 GHz	2.3490 GHz	1.000 MHz	2.348660000 GHz	-30.02 dBm	-17.02 dB
8	8	2.3490 GHz	2.3500 GHz	110.0 kHz	2.349931667 GHz	-60.36 dBm	-47.36 dB
9	9	2.3500 GHz	2.3600 GHz	1.000 MHz	2.352550000 GHz	16.37 dBm	-13.63 dB

Band40 / 10MHz / High CH / QPSK / 1 RB



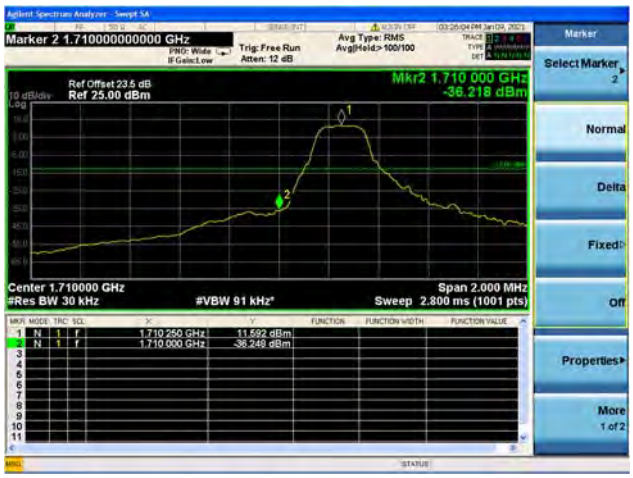
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3500 GHz	2.3600 GHz	1.000 MHz	2.359316667 GHz	21.99 dBm	-8.014 dB
2	2	2.3600 GHz	2.3610 GHz	110.0 kHz	2.360951667 GHz	-39.20 dBm	-26.20 dB
3	3	2.3610 GHz	2.3650 GHz	1.000 MHz	2.361760000 GHz	-52.20 dBm	-39.20 dB
4	4	2.3650 GHz	2.3950 GHz	1.000 MHz	2.380700000 GHz	-52.98 dBm	-12.98 dB
5	5	2.3950 GHz	2.4000 GHz	1.000 MHz	2.398008333 GHz	-53.27 dBm	-40.27 dB

Band40 / 10MHz / High CH / QPSK / FULL RB



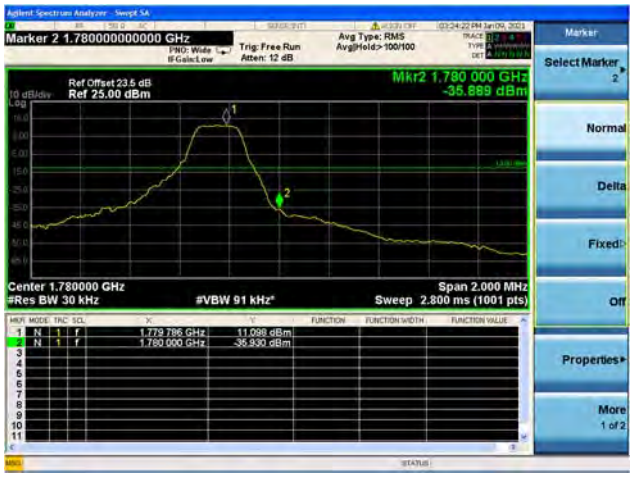
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.3500 GHz	2.3600 GHz	1.000 MHz	2.354766667 GHz	12.87 dBm	-17.13 dB
2	2	2.3600 GHz	2.3610 GHz	110.0 kHz	2.360025000 GHz	-60.97 dBm	-47.97 dB
3	3	2.3610 GHz	2.3650 GHz	1.000 MHz	2.362073333 GHz	-27.36 dBm	-14.36 dB
4	4	2.3650 GHz	2.3950 GHz	1.000 MHz	2.392400000 GHz	-51.80 dBm	-11.80 dB
5	5	2.3950 GHz	2.4000 GHz	1.000 MHz	2.399966667 GHz	-51.52 dBm	-38.52 dB

Band66 / 1.4MHz / Low CH / QPSK / 1 RB



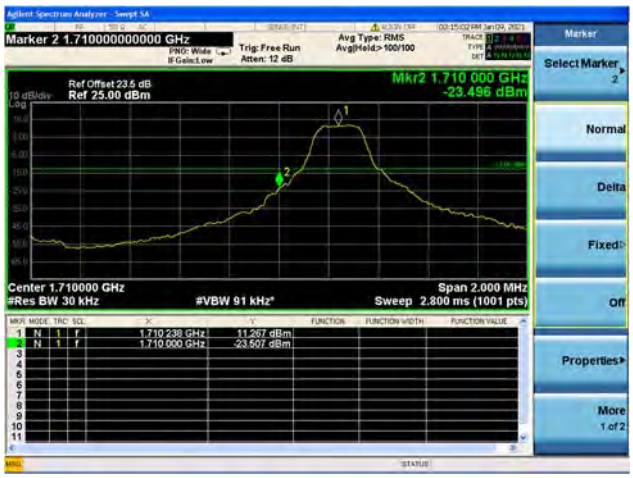
Band66 / 1.4MHz / Low CH / QPSK / FULL RB

Band66 / 1.4MHz / High CH / QPSK / 1 RB



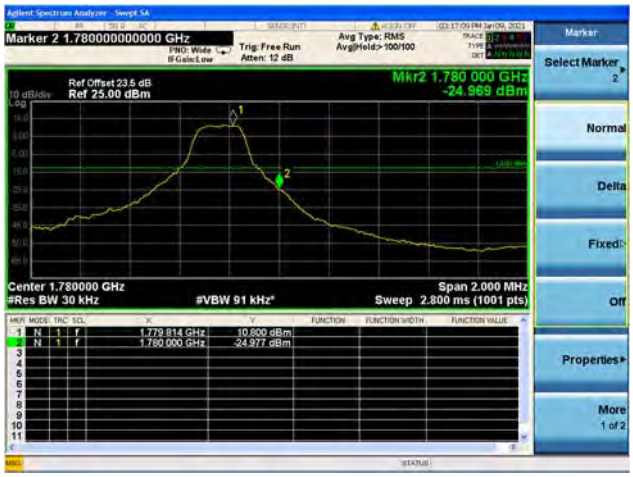
Band66 / 1.4MHz / High CH / QPSK / FULL RB

Band66 / 3MHz / Low CH / QPSK / 1 RB



Band66 / 3MHz / Low CH / QPSK / FULL RB

Band66 / 3MHz / High CH / QPSK / 1 RB

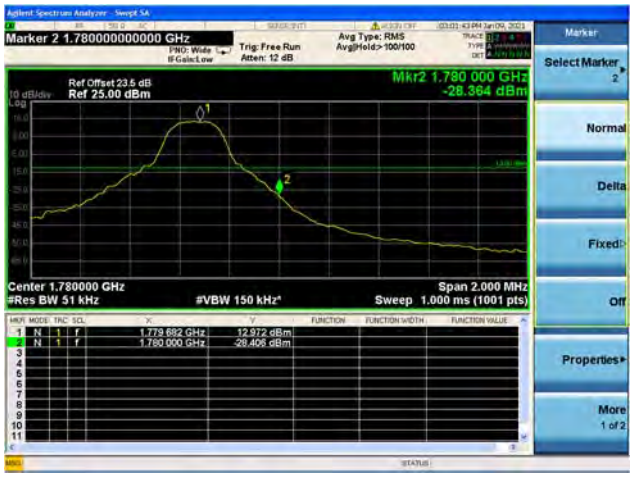


Band66 / 3MHz / High CH / QPSK / FULL RB

Band66 / 5MHz / Low CH / QPSK / 1 RB

Band66 / 5MHz / Low CH / QPSK / FULL RB

Band66 / 5MHz / High CH / QPSK / 1 RB



Band66 / 5MHz / High CH / QPSK / FULL RB

Band66 / 10MHz / Low CH / QPSK / 1 RB

Band66 / 10MHz / Low CH / QPSK / FULL RB

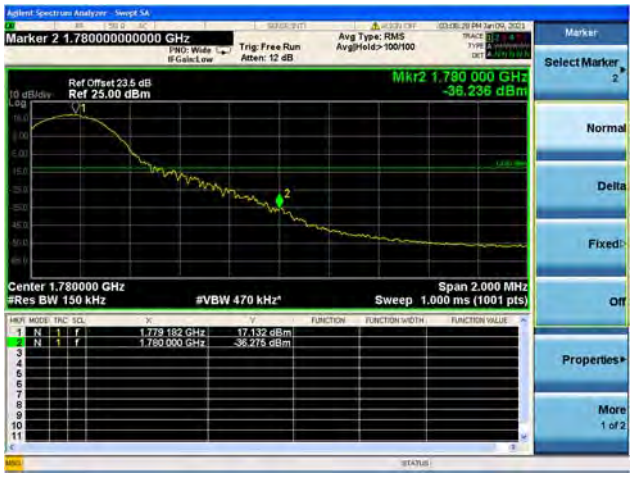
Band66 / 10MHz / High CH / QPSK / 1 RB

Band66 / 10MHz / High CH / QPSK / FULL RB

Band66 / 15MHz / Low CH / QPSK / 1 RB

Band66 / 15MHz / Low CH / QPSK / FULL RB

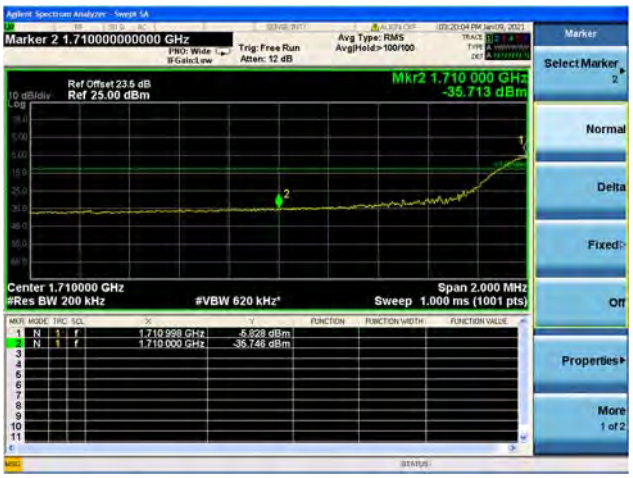
Band66 / 15MHz / High CH / QPSK / 1 RB



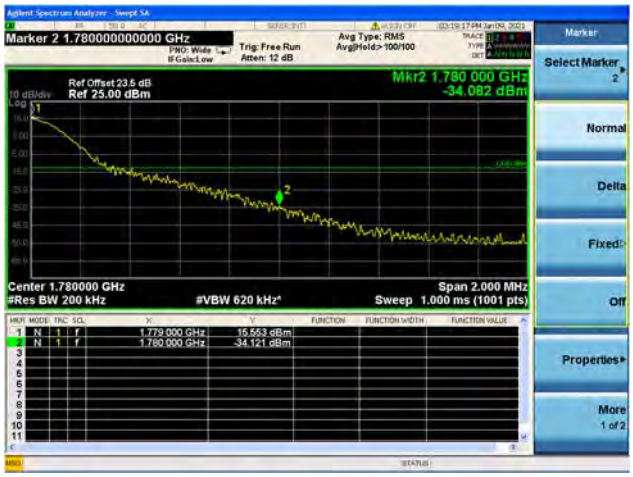
Band66 / 15MHz / High CH / QPSK / FULL RB

Band66 / 20MHz / Low CH / QPSK / 1 RB

Band66 / 20MHz / Low CH / QPSK / FULL RB



Band66 / 20MHz / High CH / QPSK / 1 RB



Band66 / 20MHz / High CH / QPSK / FULL RB

2.7. Radiated Spurious Emissions

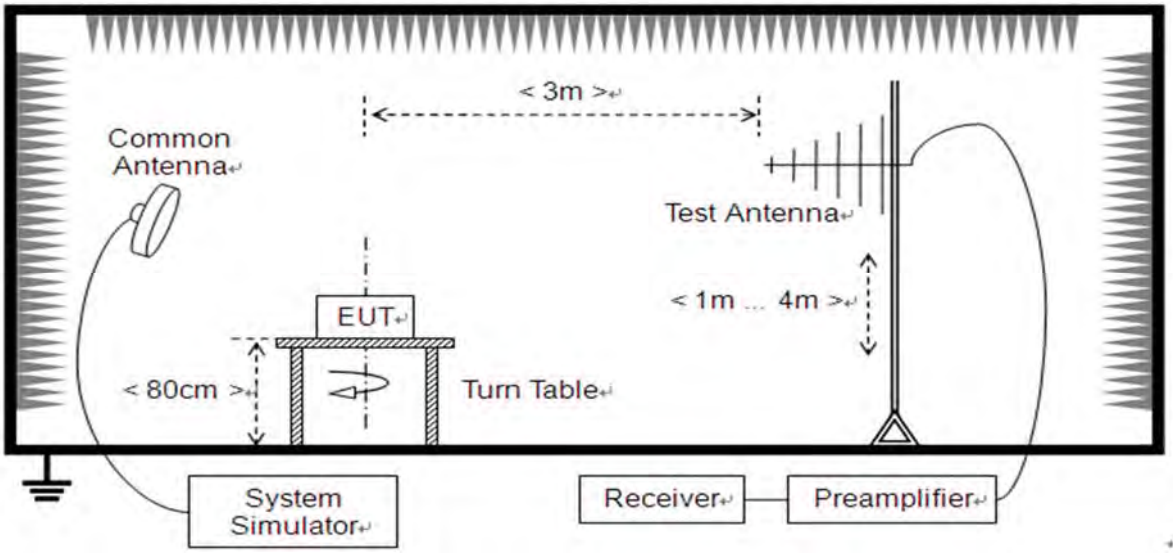
2.7.1. Requirement

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*log(P)dB. This calculated to be -13dBm.

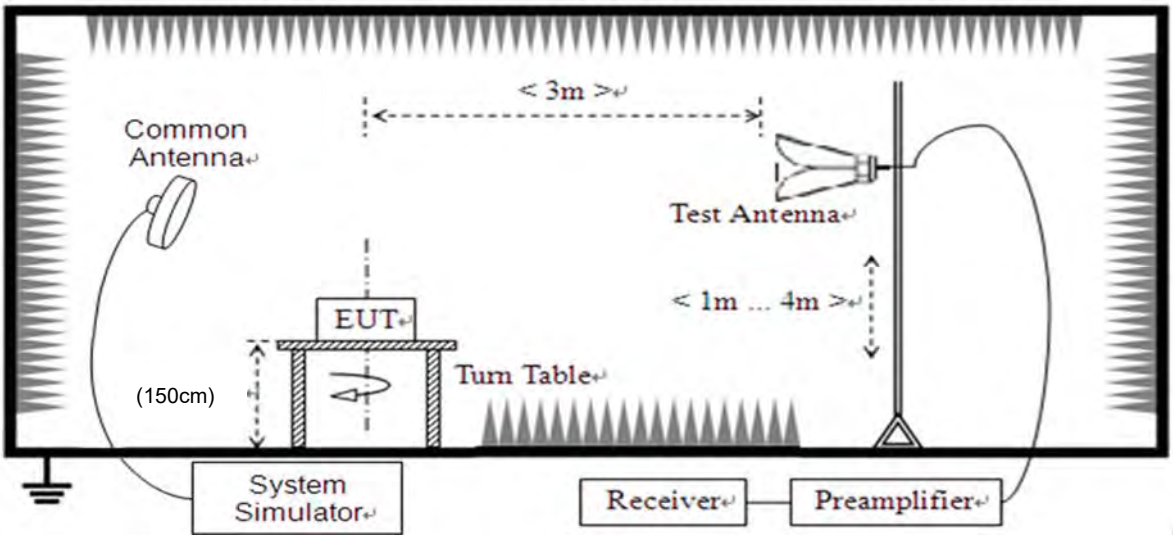
Additional requirement for LTE Band 7, 38
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. This calculated to be -25dBm.

Additional requirement for LTE Band 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.

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

For measurements above 1GHz 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:

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

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

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.

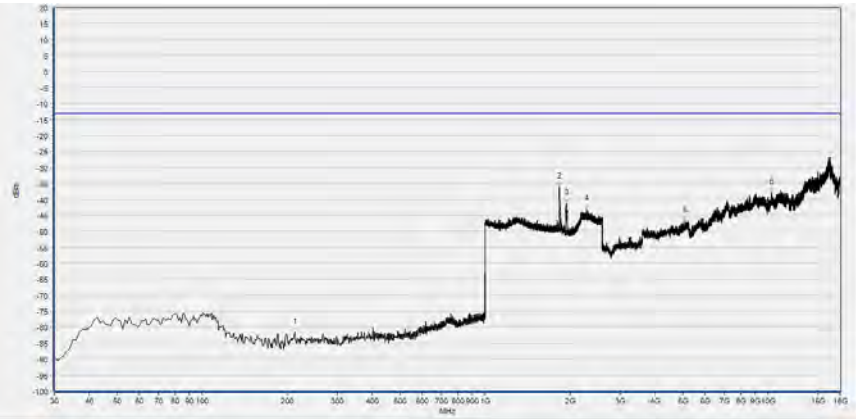
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.

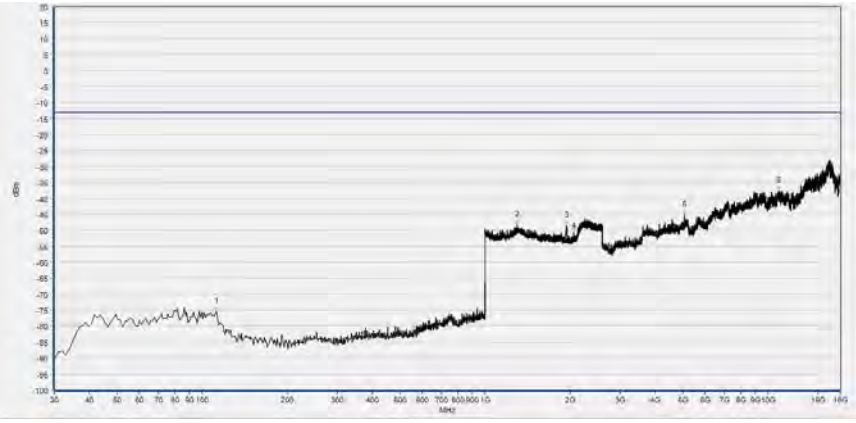
Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

Top Antenna

LTE Band 2, 20MHz BW, Low Channel, QPSK

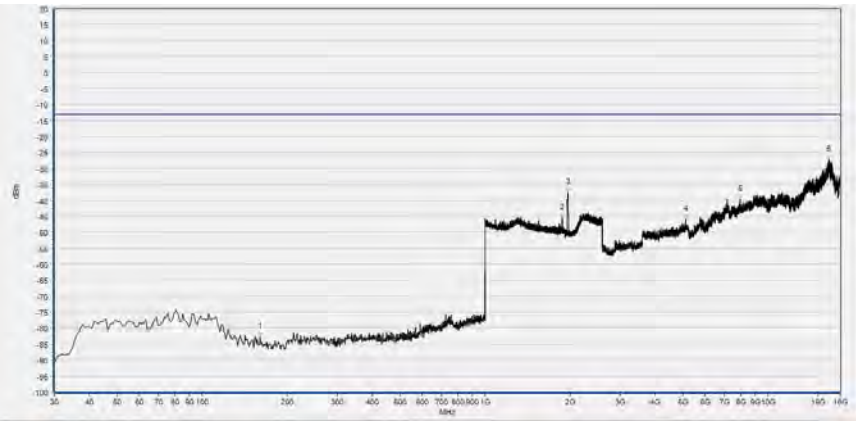


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	212.360	-81.74	-13.00	Horizontal	PASS
2	1834.894	-36.01	-13.00	Horizontal	N/A
3	1937.975	-41.20	-13.00	Horizontal	N/A
4	2286.275	-43.09	-13.00	Horizontal	PASS
5	5098.054	-46.76	-13.00	Horizontal	PASS
6	10292.999	-37.98	-13.00	Horizontal	PASS

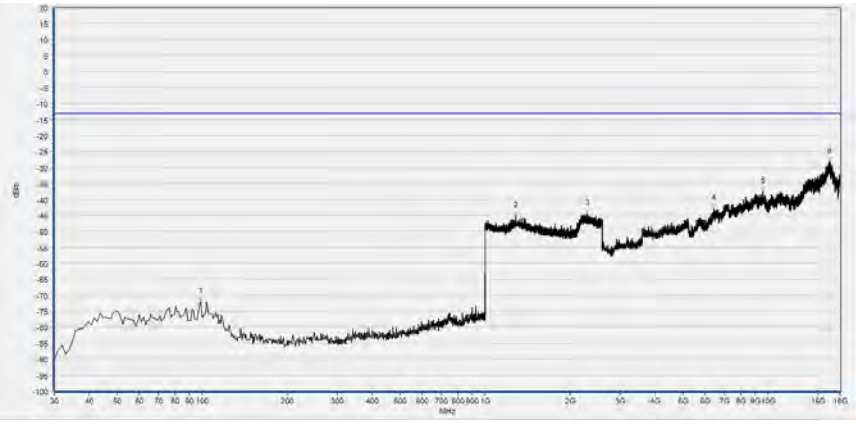


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	112.450	-75.53	-13.00	Vertical	PASS
2	1300.280	-48.31	-13.00	Vertical	PASS
3	1939.256	-48.52	-13.00	Vertical	N/A
4	2053.221	-50.64	-13.00	Vertical	PASS
5	5056.047	-45.20	-13.00	Vertical	PASS
6	10900.709	-37.72	-13.00	Vertical	PASS

LTE Band 2, 20MHz BW, Mid Channel, QPSK

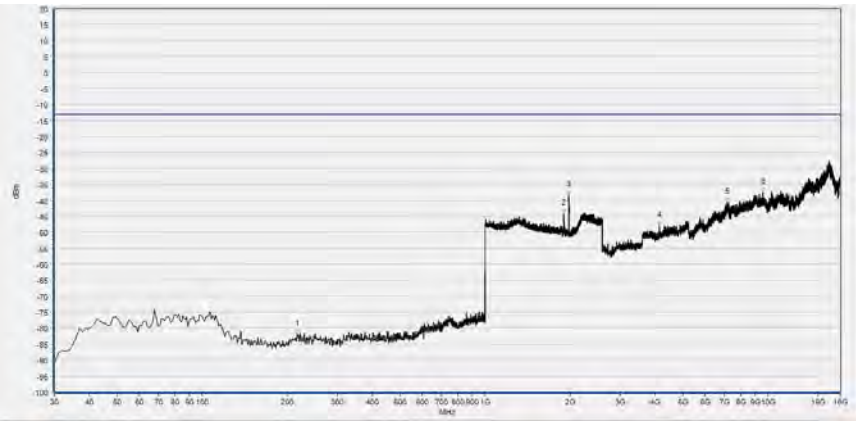


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	159.980	-82.81	-13.00	Horizontal	PASS
2	1874.590	-45.57	-13.00	Horizontal	N/A
3	1966.146	-37.46	-13.00	Horizontal	N/A
4	5112.057	-46.00	-13.00	Horizontal	PASS
5	7985.379	-39.59	-13.00	Horizontal	PASS
6	16414.912	-27.42	-13.00	Horizontal	PASS

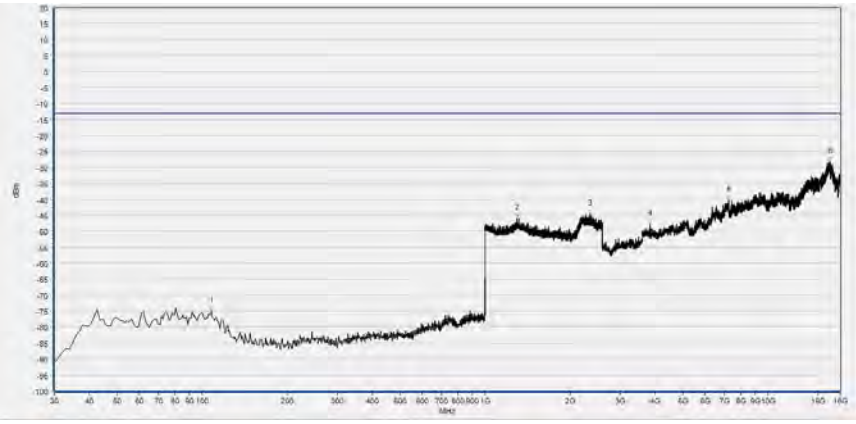


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	98.870	-72.06	-13.00	Vertical	PASS
2	1282.353	-45.18	-13.00	Vertical	PASS
3	2291.397	-44.43	-13.00	Vertical	PASS
4	6447.900	-42.76	-13.00	Vertical	PASS
5	9590.071	-37.51	-13.00	Vertical	PASS
6	16510.129	-28.19	-13.00	Vertical	PASS

LTE Band 2, 20MHz BW, High Channel, QPSK

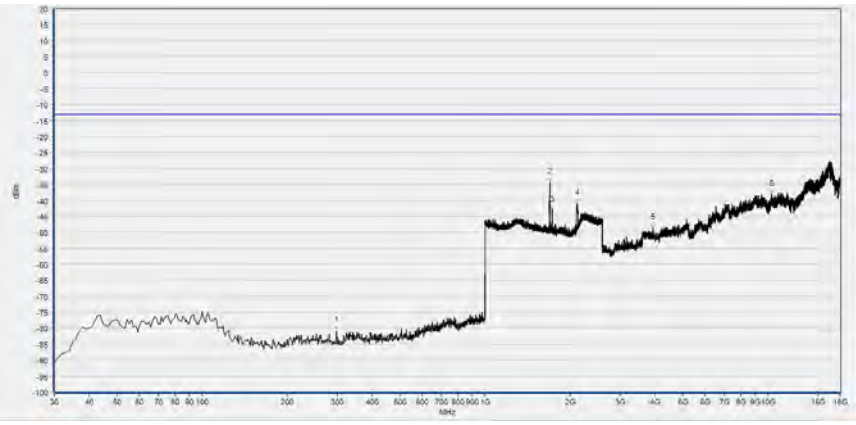


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	216.240	-81.99	-13.00	Horizontal	PASS
2	1898.279	-44.09	-13.00	Horizontal	N/A
3	1971.909	-38.26	-13.00	Horizontal	N/A
4	4131.879	-47.96	-13.00	Horizontal	PASS
5	7170.431	-40.67	-13.00	Horizontal	PASS
6	9612.475	-37.52	-13.00	Horizontal	PASS

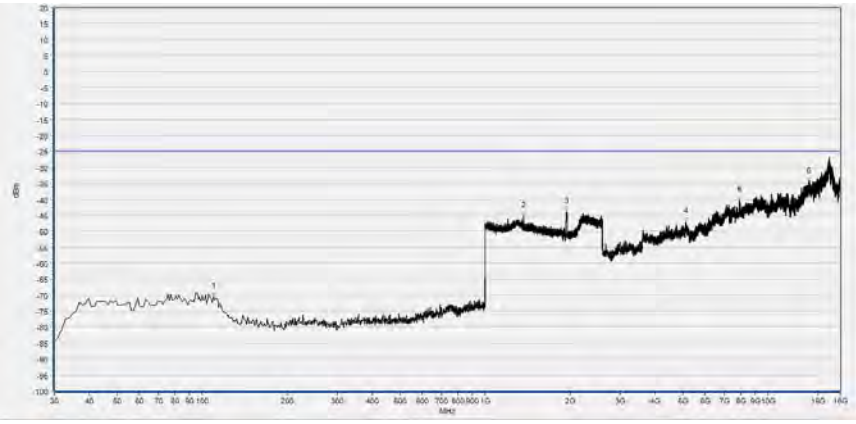


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.600	-75.02	-13.00	Vertical	PASS
2	1300.920	-46.01	-13.00	Vertical	PASS
3	2346.459	-44.61	-13.00	Vertical	PASS
4	3837.825	-47.78	-13.00	Vertical	PASS
5	7251.646	-40.43	-13.00	Vertical	PASS
6	16574.541	-28.36	-13.00	Vertical	PASS

LTE Band 4, 20MHz BW, Low Channel, QPSK

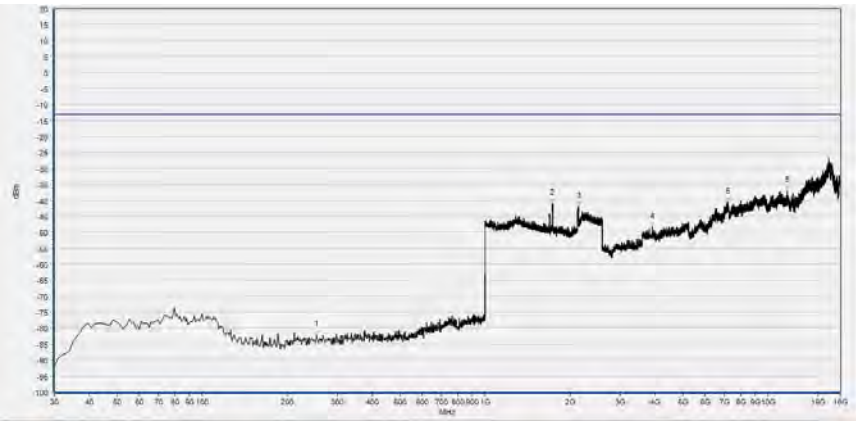


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	297.720	-80.89	-13.00	Horizontal	PASS
2	1694.678	-34.28	-13.00	Horizontal	PASS
3	1725.410	-43.26	-13.00	Horizontal	N/A
4	2114.046	-41.11	-13.00	Horizontal	N/A
5	3933.042	-48.59	-13.00	Horizontal	PASS
6	10284.597	-38.12	-13.00	Horizontal	PASS

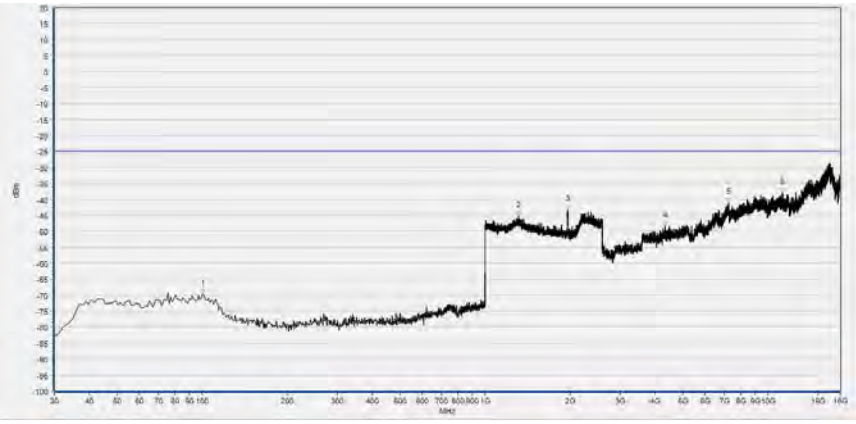


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	109.540	-70.46	-25.00	Vertical	PASS
2	1369.428	-45.23	-25.00	Vertical	PASS
3	1944.378	-44.02	-25.00	Vertical	N/A
4	5112.057	-47.13	-25.00	Vertical	PASS
5	7912.566	-40.33	-25.00	Vertical	PASS
6	13905.656	-34.48	-25.00	Vertical	PASS

LTE Band 4, 20MHz BW, Mid Channel, QPSK

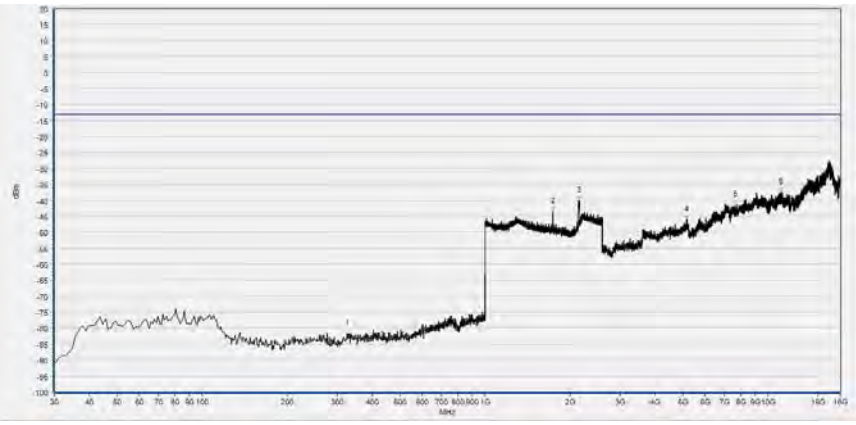


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	254.070	-82.15	-13.00	Horizontal	PASS
2	1732.453	-41.06	-13.00	Horizontal	N/A
3	2139.656	-41.99	-13.00	Horizontal	N/A
4	3905.037	-48.31	-13.00	Horizontal	PASS
5	7234.843	-40.60	-13.00	Horizontal	PASS
6	11738.061	-37.04	-13.00	Horizontal	PASS

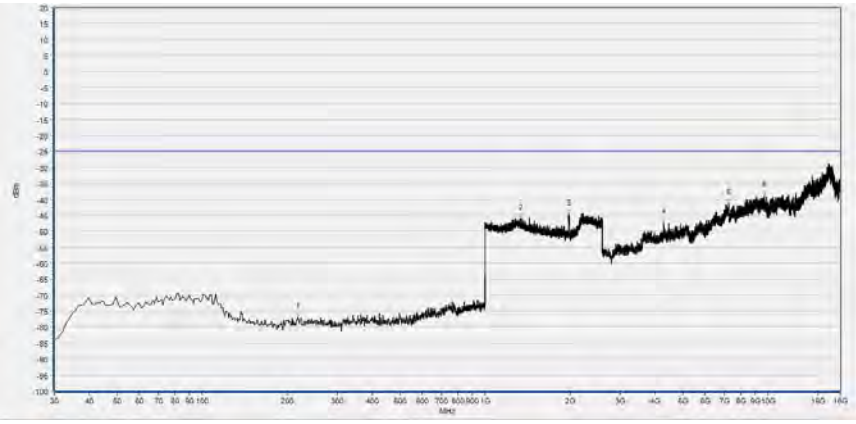


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	100.810	-69.71	-25.00	Vertical	PASS
2	1315.006	-45.16	-25.00	Vertical	PASS
3	1962.945	-43.24	-25.00	Vertical	N/A
4	4322.313	-48.39	-25.00	Vertical	PASS
5	7254.446	-40.93	-25.00	Vertical	PASS
6	11222.768	-37.82	-25.00	Vertical	PASS

LTE Band 4, 20MHz BW, High Channel, QPSK

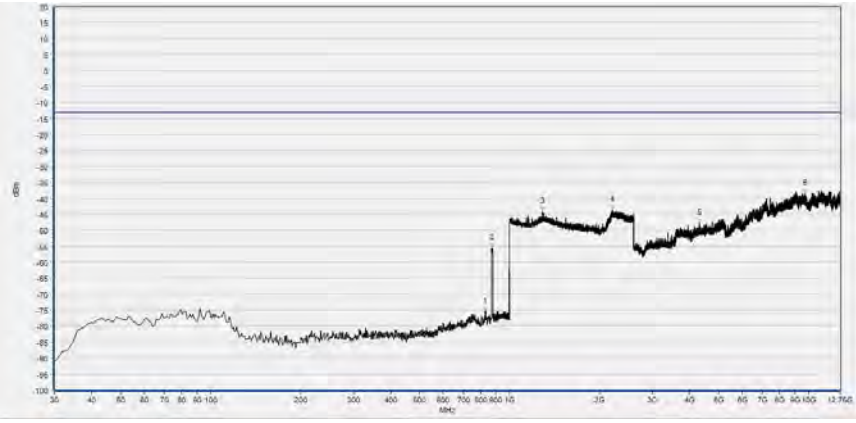


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	324.880	-81.71	-13.00	Horizontal	PASS
2	1736.295	-43.45	-13.00	Horizontal	N/A
3	2142.857	-40.02	-13.00	Horizontal	N/A
4	5168.067	-46.05	-13.00	Horizontal	PASS
5	7652.119	-41.39	-13.00	Horizontal	PASS
6	11079.942	-37.40	-13.00	Horizontal	PASS

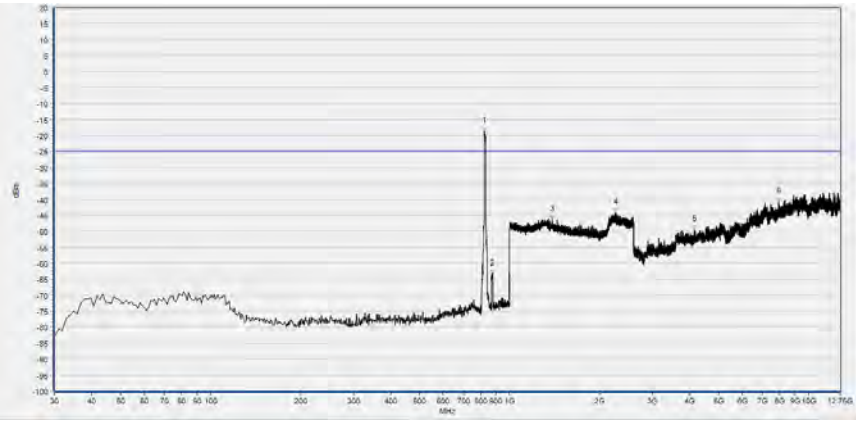


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	218.180	-76.81	-25.00	Vertical	PASS
2	1340.616	-45.95	-25.00	Vertical	PASS
3	1978.952	-44.58	-25.00	Vertical	N/A
4	4277.505	-47.21	-25.00	Vertical	PASS
5	7251.646	-41.28	-25.00	Vertical	PASS
6	9693.690	-38.79	-25.00	Vertical	PASS

LTE Band 5, 10MHz BW, Low Channel, QPSK

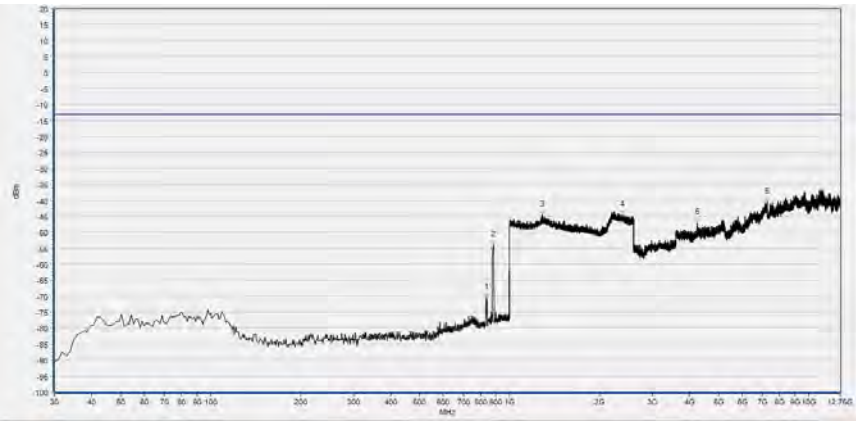


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-75.50	-13.00	Horizontal	N/A
2	874.870	-55.46	-13.00	Horizontal	N/A
3	1288.756	-44.11	-13.00	Horizontal	PASS
4	2206.242	-43.63	-13.00	Horizontal	PASS
5	4311.047	-47.79	-13.00	Horizontal	PASS
6	9750.591	-38.62	-13.00	Horizontal	PASS

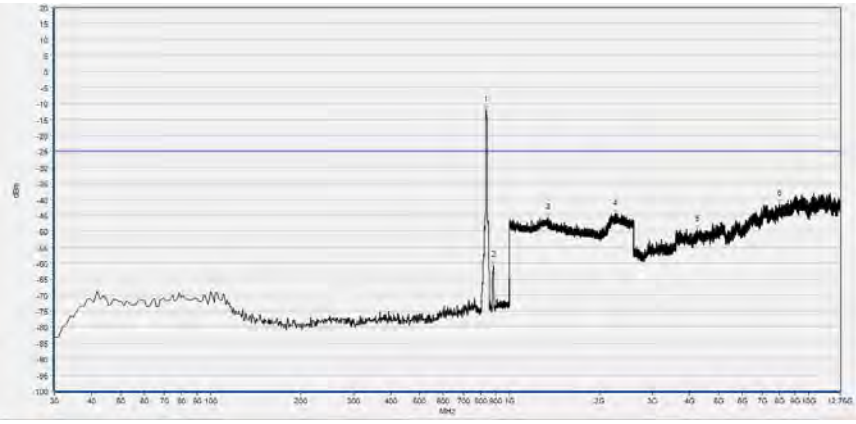


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	824.430	-18.59	-25.00	Vertical	N/A
2	876.810	-63.32	-25.00	Vertical	N/A
3	1389.276	-46.43	-25.00	Vertical	PASS
4	2266.427	-44.20	-25.00	Vertical	PASS
5	4159.693	-49.43	-25.00	Vertical	PASS
6	7925.105	-40.68	-25.00	Vertical	PASS

LTE Band 5, 10MHz BW, Mid Channel, QPSK

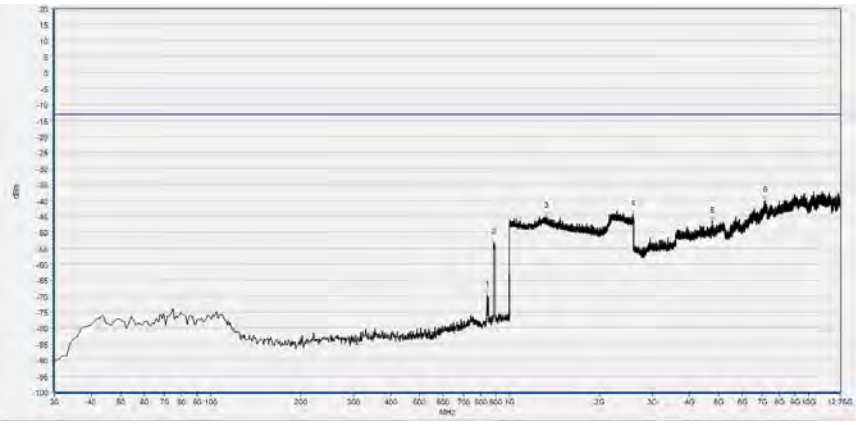


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	838.980	-70.41	-13.00	Horizontal	N/A
2	883.600	-53.99	-13.00	Horizontal	N/A
3	1285.554	-44.65	-13.00	Horizontal	PASS
4	2382.313	-44.63	-13.00	Horizontal	PASS
5	4251.982	-46.99	-13.00	Horizontal	PASS
6	7269.849	-40.58	-13.00	Horizontal	PASS

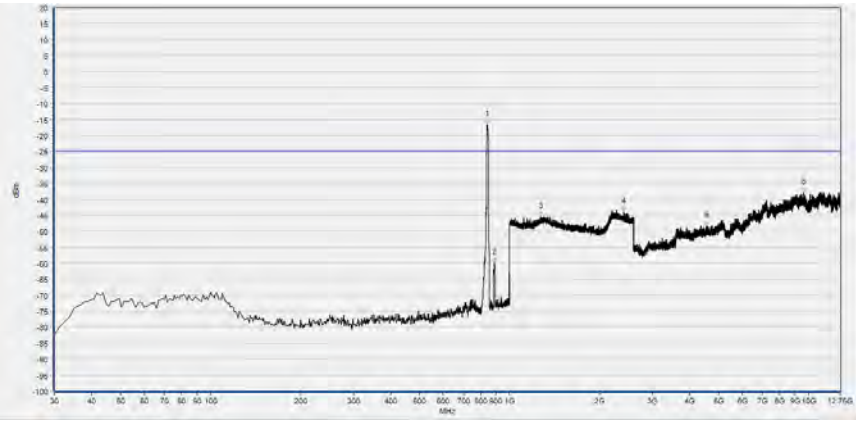


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	834.130	-11.88	-25.00	Vertical	N/A
2	885.540	-60.72	-25.00	Vertical	N/A
3	1341.257	-45.79	-25.00	Vertical	PASS
4	2254.262	-44.58	-25.00	Vertical	PASS
5	4253.828	-49.53	-25.00	Vertical	PASS
6	7973.095	-41.54	-25.00	Vertical	PASS

LTE Band 5, 10MHz BW, High Channel, QPSK

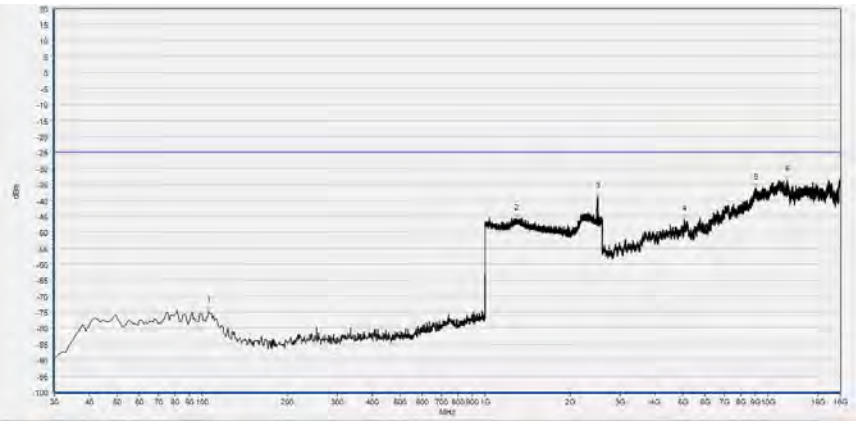


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	842.860	-69.67	-13.00	Horizontal	N/A
2	885.540	-53.38	-13.00	Horizontal	N/A
3	1332.293	-45.07	-13.00	Horizontal	PASS
4	2584.634	-44.35	-13.00	Horizontal	PASS
5	4750.346	-46.64	-13.00	Horizontal	PASS
6	7168.331	-40.04	-13.00	Horizontal	PASS

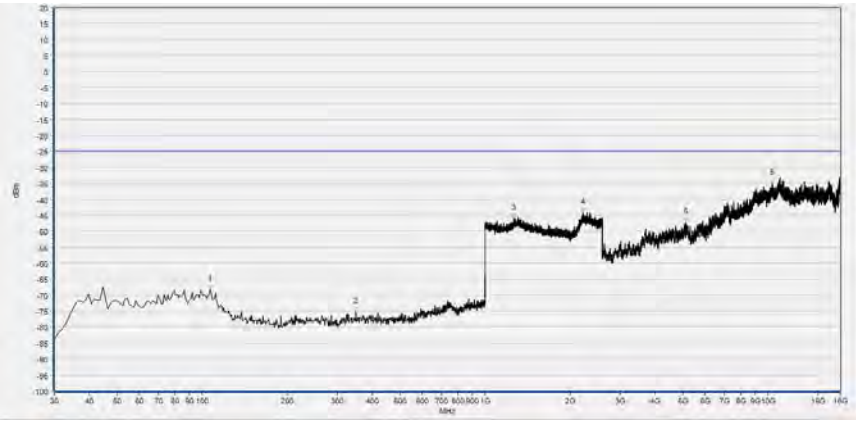


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	843.830	-16.57	-25.00	Vertical	N/A
2	889.420	-59.92	-25.00	Vertical	N/A
3	1272.109	-45.49	-25.00	Vertical	PASS
4	2413.045	-43.87	-25.00	Vertical	PASS
5	4545.463	-48.45	-25.00	Vertical	PASS
6	9614.003	-37.90	-25.00	Vertical	PASS

LTE Band 7, 20MHz BW, Low Channel, QPSK

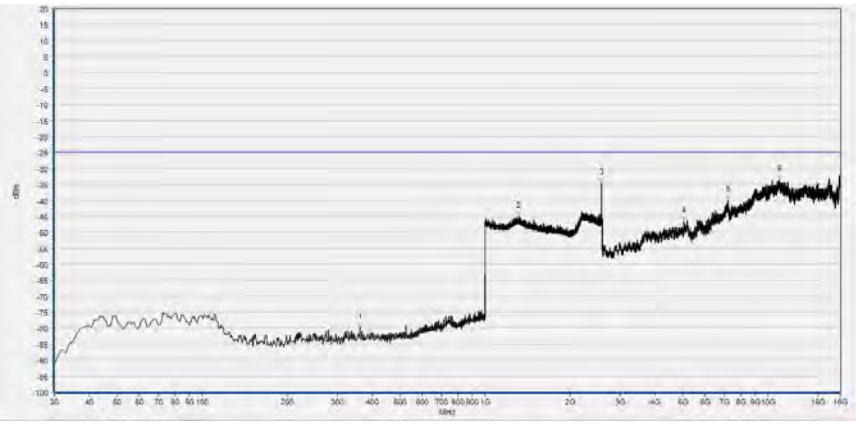


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	105.660	-74.77	-25.00	Horizontal	PASS
2	1289.396	-45.71	-25.00	Horizontal	PASS
3	2502.041	-38.82	-25.00	Horizontal	N/A
4	5064.448	-45.93	-25.00	Horizontal	PASS
5	9074.777	-35.99	-25.00	Horizontal	PASS
6	11704.455	-33.71	-25.00	Horizontal	PASS

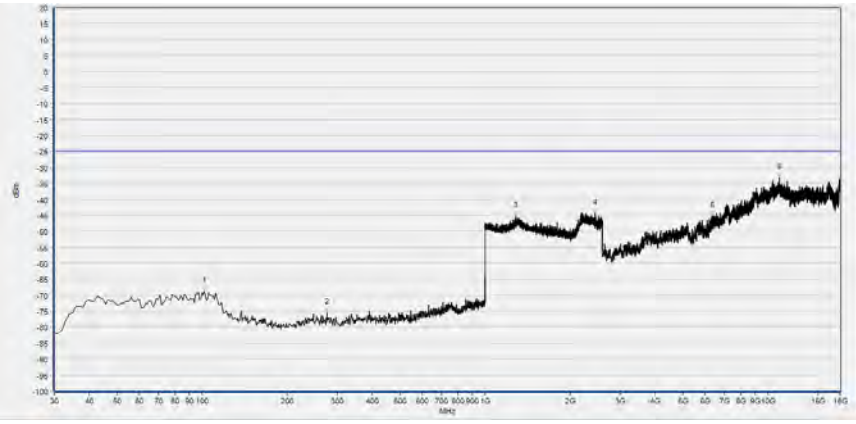


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	106.630	-68.21	-25.00	Vertical	PASS
2	349.130	-75.19	-25.00	Vertical	PASS
3	1265.706	-45.91	-25.00	Vertical	PASS
4	2222.249	-44.14	-25.00	Vertical	PASS
5	5137.261	-47.22	-25.00	Vertical	PASS
6	10365.812	-34.86	-25.00	Vertical	PASS

LTE Band 7, 20MHz BW, Mid Channel, QPSK

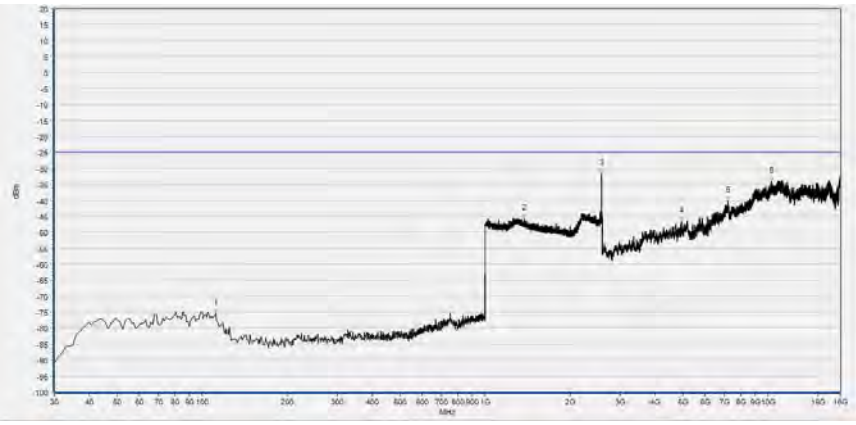


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	360.770	-79.79	-25.00	Horizontal	PASS
2	1318.207	-45.05	-25.00	Horizontal	PASS
3	2585.274	-34.62	-25.00	Horizontal	N/A
4	5050.446	-46.67	-25.00	Horizontal	PASS
5	7243.244	-39.96	-25.00	Horizontal	PASS
6	10959.520	-33.66	-25.00	Horizontal	PASS

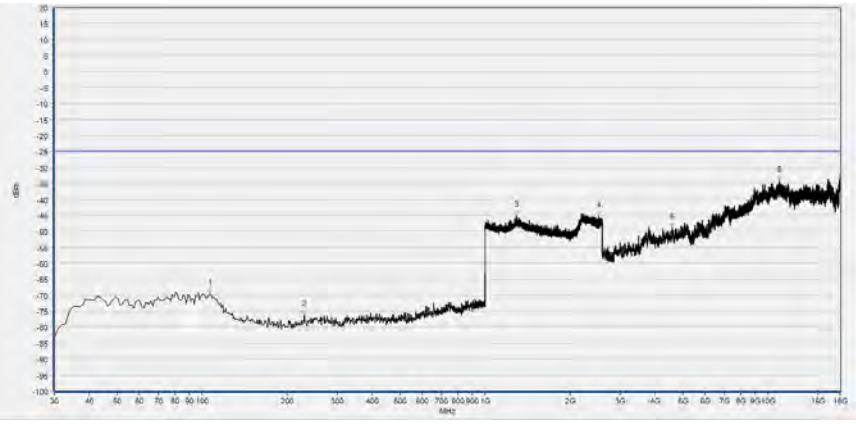


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	101.780	-68.78	-25.00	Vertical	PASS
2	276.380	-75.51	-25.00	Vertical	PASS
3	1287.475	-45.23	-25.00	Vertical	PASS
4	2443.778	-44.44	-25.00	Vertical	PASS
5	6372.286	-45.35	-25.00	Vertical	PASS
6	10981.924	-33.28	-25.00	Vertical	PASS

LTE Band 7, 20MHz BW, High Channel, QPSK

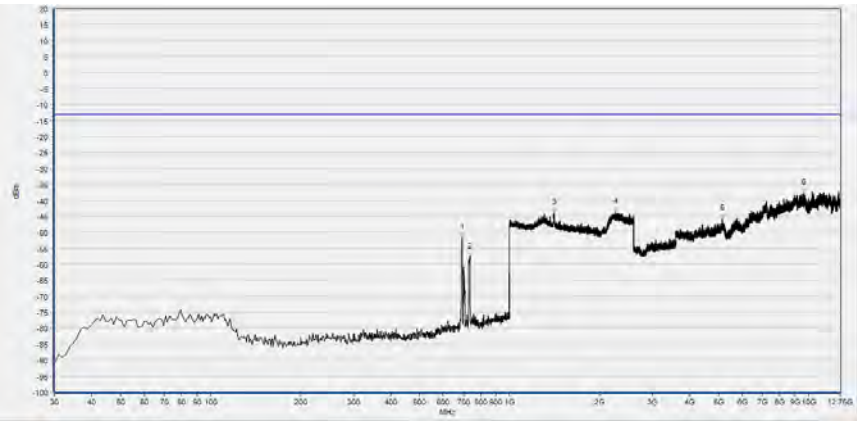


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	111.480	-75.34	-25.00	Horizontal	PASS
2	1374.550	-45.63	-25.00	Horizontal	PASS
3	2585.914	-31.55	-25.00	Horizontal	N/A
4	4941.226	-46.59	-25.00	Horizontal	PASS
5	7243.244	-40.17	-25.00	Horizontal	PASS
6	10292.999	-34.14	-25.00	Horizontal	PASS

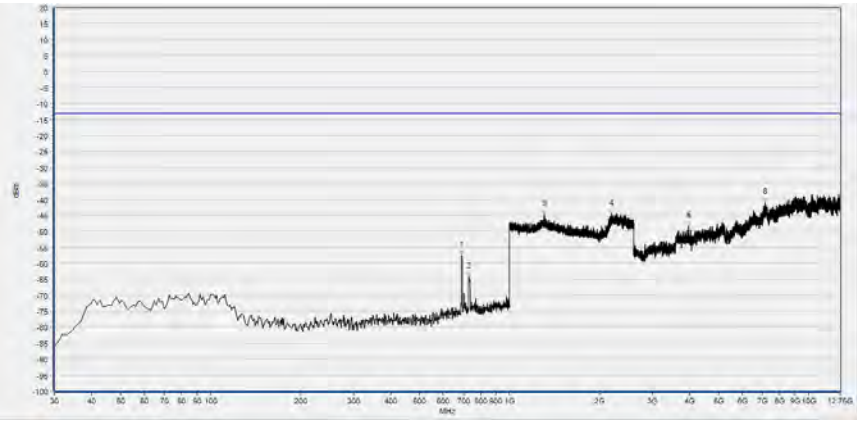


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	106.630	-69.67	-25.00	Vertical	PASS
2	229.820	-76.08	-25.00	Vertical	PASS
3	1290.036	-45.00	-25.00	Vertical	PASS
4	2517.407	-45.29	-25.00	Vertical	PASS
5	4599.564	-48.87	-25.00	Vertical	PASS
6	10987.525	-34.09	-25.00	Vertical	PASS

LTE Band 12, 10MHz BW, Low Channel, QPSK

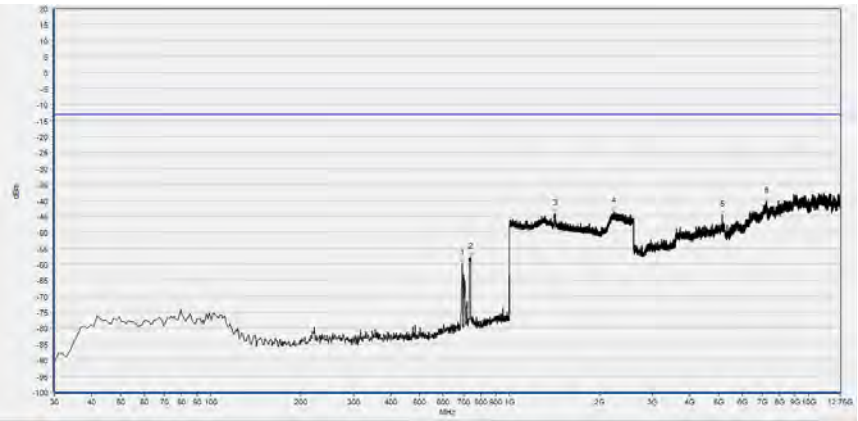


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	693.480	-51.76	-13.00	Horizontal	N/A
2	737.130	-57.87	-13.00	Horizontal	N/A
3	1407.843	-43.83	-13.00	Horizontal	PASS
4	2262.585	-43.79	-13.00	Horizontal	PASS
5	5136.116	-45.68	-13.00	Horizontal	PASS
6	9615.848	-37.74	-13.00	Horizontal	PASS

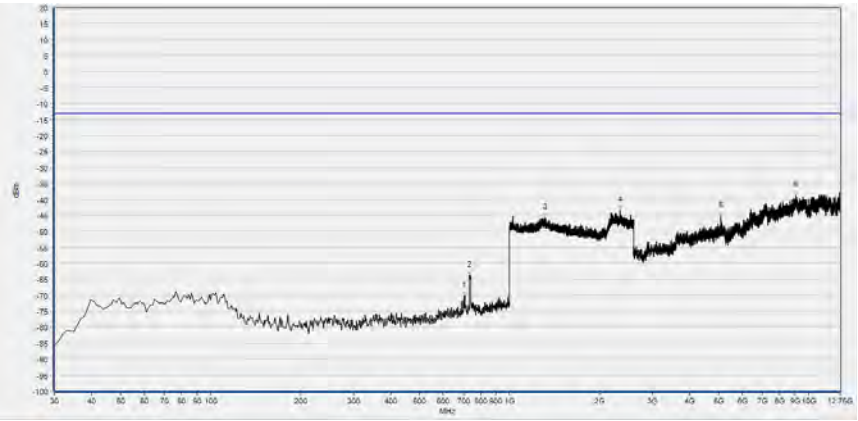


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	692.202	-57.47	-13.00	Vertical	N/A
2	731.041	-64.35	-13.00	Vertical	N/A
3	1304.635	-44.91	-13.00	Vertical	PASS
4	2195.599	-44.56	-13.00	Vertical	PASS
5	3978.646	-48.42	-13.00	Vertical	PASS
6	7139.988	-41.08	-13.00	Vertical	PASS

LTE Band 12, 10MHz BW, Mid Channel, QPSK

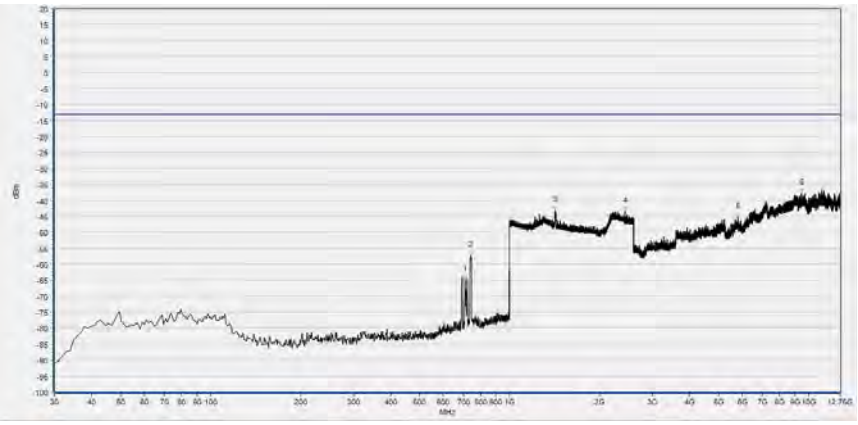


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	694.450	-59.84	-13.00	Horizontal	N/A
2	740.040	-57.70	-13.00	Horizontal	N/A
3	1420.648	-44.22	-13.00	Horizontal	PASS
4	2233.774	-43.54	-13.00	Horizontal	PASS
5	5139.807	-44.62	-13.00	Horizontal	PASS
6	7244.008	-40.36	-13.00	Horizontal	PASS

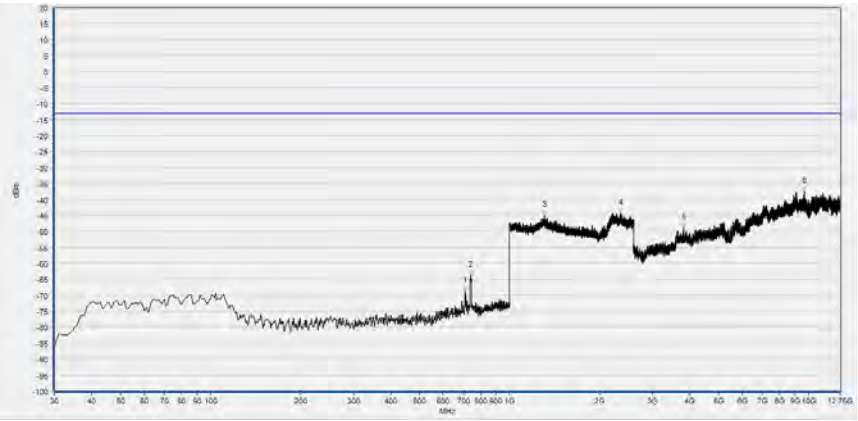


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	704.825	-70.34	-13.00	Vertical	N/A
2	733.954	-63.71	-13.00	Vertical	N/A
3	1311.037	-45.66	-13.00	Vertical	PASS
4	2342.848	-43.40	-13.00	Vertical	PASS
5	5079.126	-45.36	-13.00	Vertical	PASS
6	9074.965	-38.79	-13.00	Vertical	PASS

LTE Band 12, 10MHz BW, High Channel, QPSK

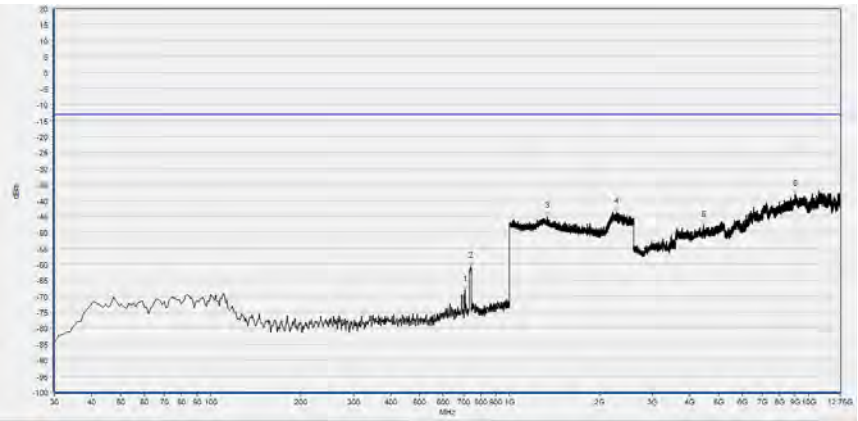


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	709.000	-64.99	-13.00	Horizontal	N/A
2	740.040	-57.36	-13.00	Horizontal	N/A
3	1421.929	-43.31	-13.00	Horizontal	PASS
4	2427.131	-43.45	-13.00	Horizontal	PASS
5	5802.446	-45.24	-13.00	Horizontal	PASS
6	9468.185	-37.57	-13.00	Horizontal	PASS

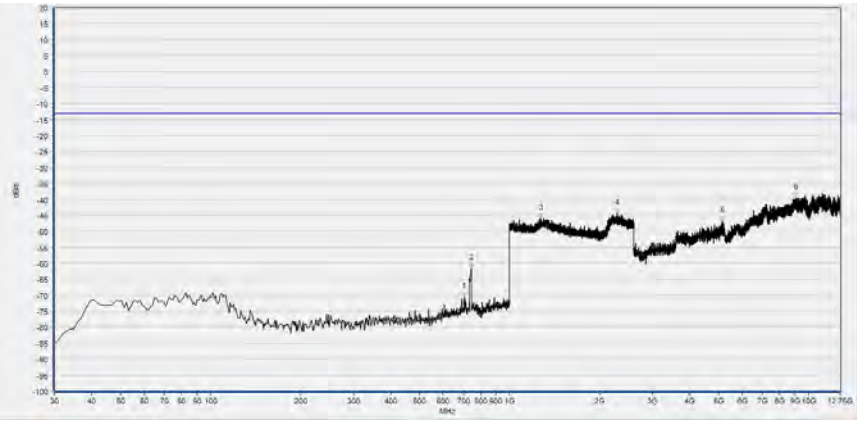


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-68.67	-13.00	Vertical	N/A
2	741.722	-63.86	-13.00	Vertical	N/A
3	1306.769	-45.09	-13.00	Vertical	PASS
4	2350.317	-44.32	-13.00	Vertical	PASS
5	3824.335	-48.76	-13.00	Vertical	PASS
6	9704.391	-37.48	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, Low Channel, QPSK

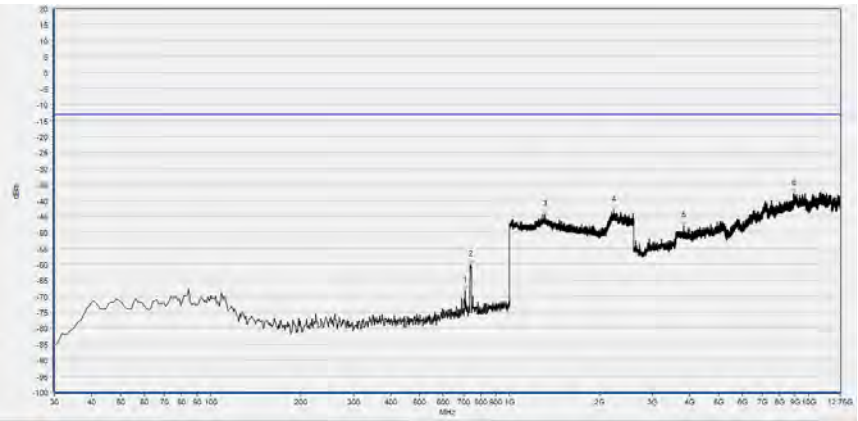


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-67.95	-13.00	Horizontal	N/A
2	739.780	-60.78	-13.00	Horizontal	N/A
3	1335.579	-44.97	-13.00	Horizontal	PASS
4	2279.893	-43.70	-13.00	Horizontal	PASS
5	4453.761	-47.78	-13.00	Horizontal	PASS
6	9030.296	-38.16	-13.00	Horizontal	PASS

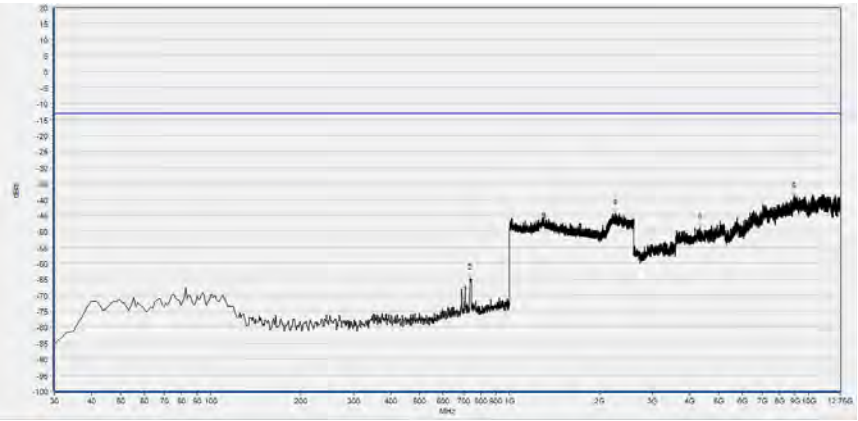


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	704.825	-70.45	-13.00	Vertical	N/A
2	743.664	-61.64	-13.00	Vertical	N/A
3	1274.225	-46.00	-13.00	Vertical	PASS
4	2285.762	-44.44	-13.00	Vertical	PASS
5	5133.947	-46.92	-13.00	Vertical	PASS
6	9066.843	-39.51	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, Mid Channel, QPSK

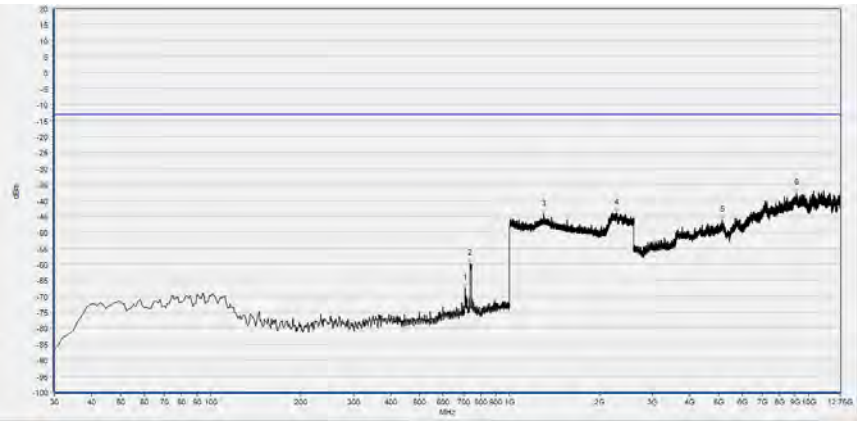


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-68.25	-13.00	Horizontal	N/A
2	740.751	-60.28	-13.00	Horizontal	N/A
3	1313.705	-44.36	-13.00	Horizontal	PASS
4	2224.942	-43.08	-13.00	Horizontal	PASS
5	3818.244	-47.98	-13.00	Horizontal	PASS
6	8898.320	-37.81	-13.00	Horizontal	PASS

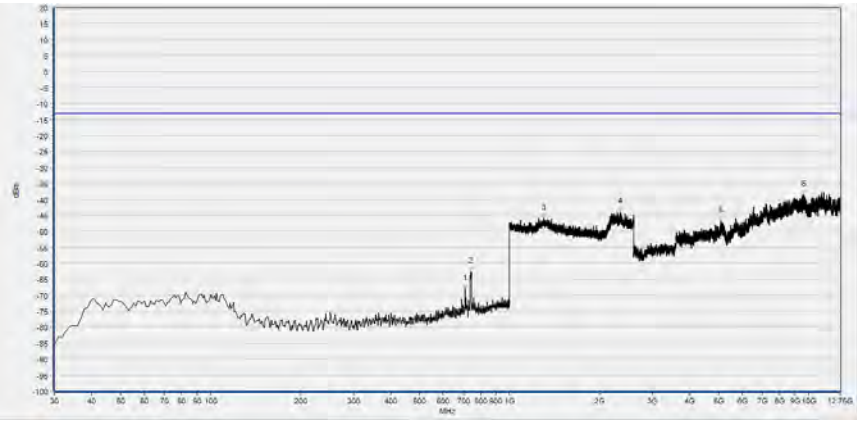


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-68.95	-13.00	Vertical	N/A
2	737.838	-64.59	-13.00	Vertical	N/A
3	1297.166	-45.58	-13.00	Vertical	PASS
4	2257.486	-44.43	-13.00	Vertical	PASS
5	4325.845	-48.91	-13.00	Vertical	PASS
6	8930.806	-39.17	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, High Channel, QPSK

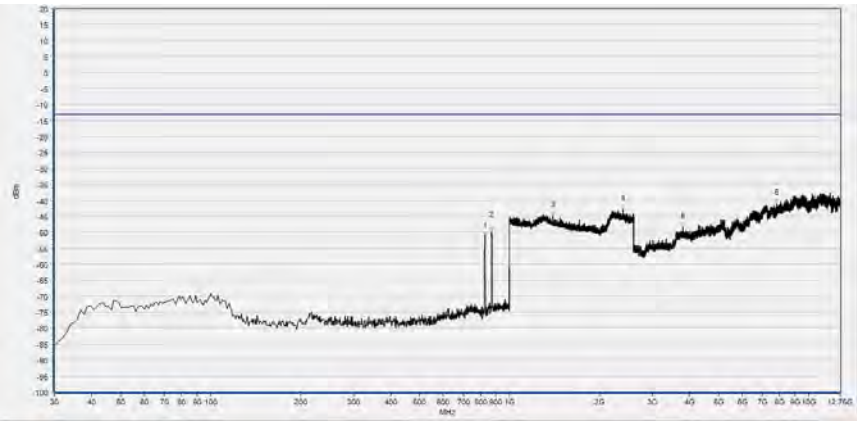


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-67.27	-13.00	Horizontal	N/A
2	738.809	-59.81	-13.00	Horizontal	N/A
3	1301.434	-44.42	-13.00	Horizontal	PASS
4	2278.826	-43.99	-13.00	Horizontal	PASS
5	5146.129	-46.22	-13.00	Horizontal	PASS
6	9095.269	-37.59	-13.00	Horizontal	PASS

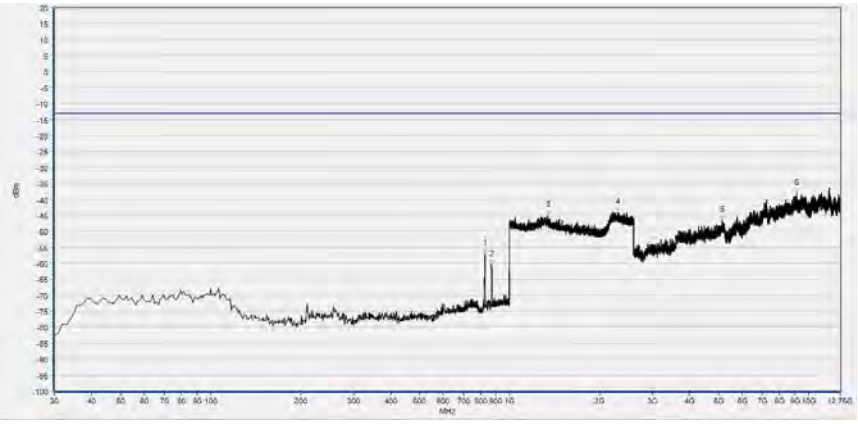


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	708.709	-67.98	-13.00	Vertical	N/A
2	740.751	-62.74	-13.00	Vertical	N/A
3	1301.434	-45.96	-13.00	Vertical	PASS
4	2342.314	-43.94	-13.00	Vertical	PASS
5	5083.187	-46.84	-13.00	Vertical	PASS
6	9631.296	-38.51	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, Low Channel, QPSK

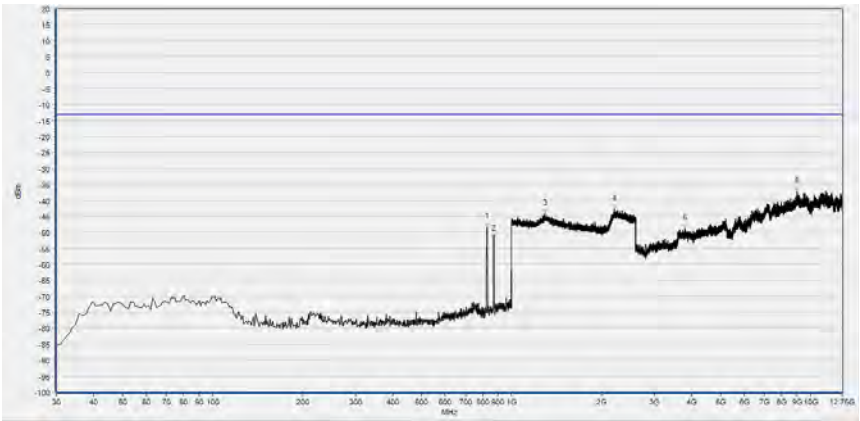


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-51.21	-13.00	Horizontal	N/A
2	871.960	-50.03	-13.00	Horizontal	N/A
3	1396.959	-44.85	-13.00	Horizontal	PASS
4	2394.478	-42.77	-13.00	Horizontal	PASS
5	3807.147	-48.35	-13.00	Horizontal	PASS
6	7830.969	-41.09	-13.00	Horizontal	PASS

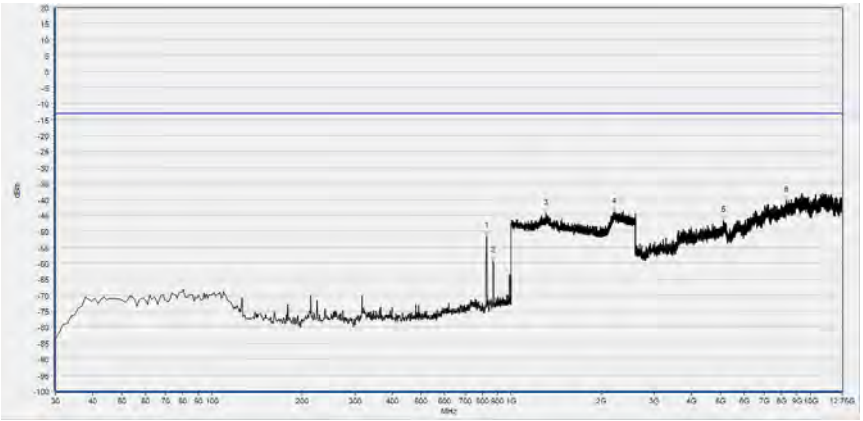


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-57.14	-13.00	Vertical	PASS
2	870.990	-60.49	-13.00	Vertical	PASS
3	1341.257	-44.94	-13.00	Vertical	PASS
4	2305.482	-44.24	-13.00	Vertical	PASS
5	5149.036	-46.65	-13.00	Vertical	PASS
6	9104.564	-38.17	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, Mid Channel, QPSK

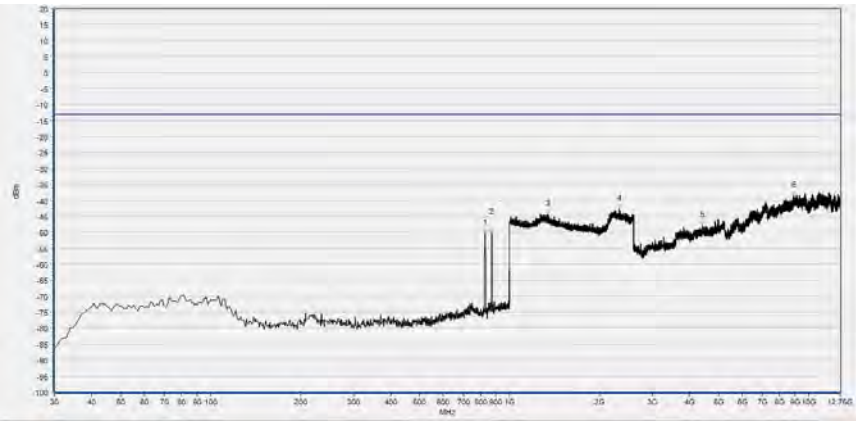


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-48.44	-13.00	Horizontal	N/A
2	870.020	-52.13	-13.00	Horizontal	N/A
3	1293.237	-44.24	-13.00	Horizontal	PASS
4	2199.200	-42.83	-13.00	Horizontal	PASS
5	3801.609	-48.93	-13.00	Horizontal	PASS
6	9036.270	-37.13	-13.00	Horizontal	PASS

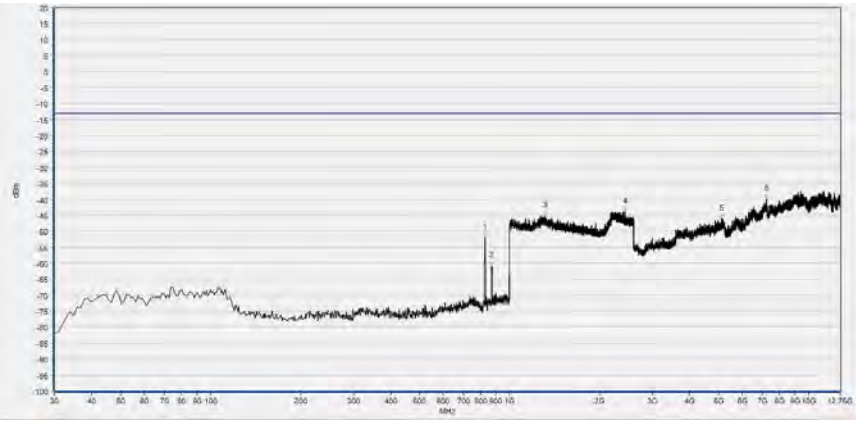


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-51.55	-13.00	Vertical	N/A
2	871.960	-59.37	-13.00	Vertical	N/A
3	1309.884	-44.27	-13.00	Vertical	PASS
4	2199.840	-43.82	-13.00	Vertical	PASS
5	5125.041	-46.56	-13.00	Vertical	PASS
6	8316.412	-40.35	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, High Channel, QPSK

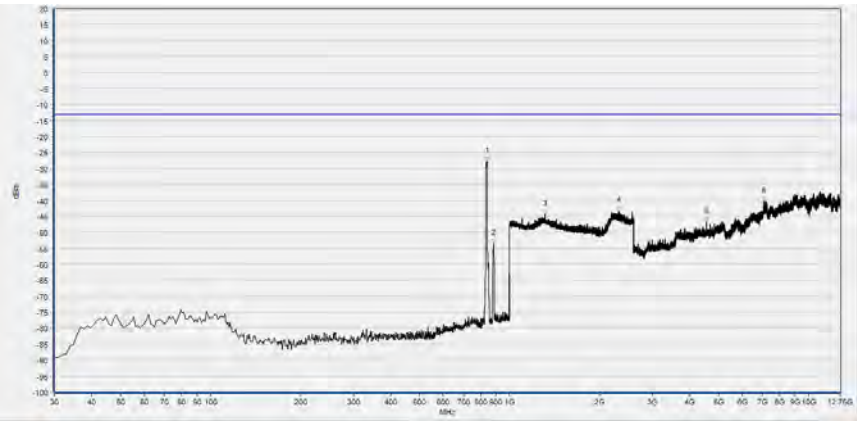


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-50.30	-13.00	Horizontal	N/A
2	871.960	-50.20	-13.00	Horizontal	N/A
3	1341.897	-44.35	-13.00	Horizontal	PASS
4	2324.050	-42.89	-13.00	Horizontal	PASS
5	4405.183	-47.98	-13.00	Horizontal	PASS
6	8921.831	-38.47	-13.00	Horizontal	PASS

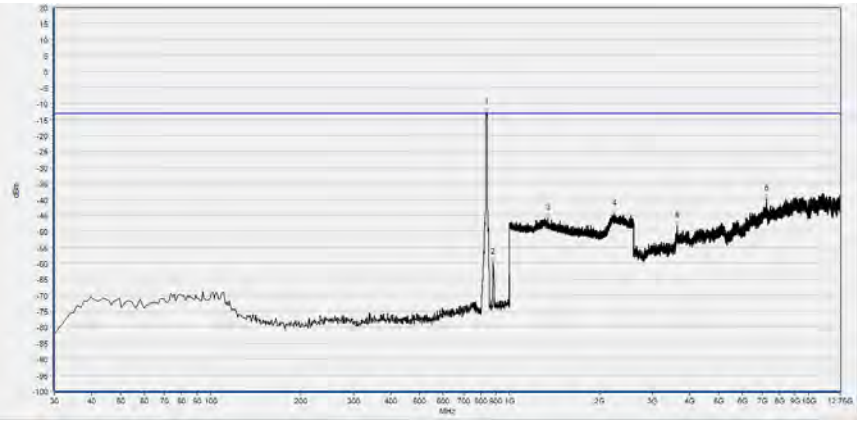


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-52.29	-13.00	Vertical	N/A
2	870.990	-60.90	-13.00	Vertical	N/A
3	1314.366	-45.25	-13.00	Vertical	PASS
4	2439.296	-43.87	-13.00	Vertical	PASS
5	5119.504	-46.23	-13.00	Vertical	PASS
6	7245.854	-39.95	-13.00	Vertical	PASS

LTE Band 19, 15MHz BW, Mid Channel, QPSK

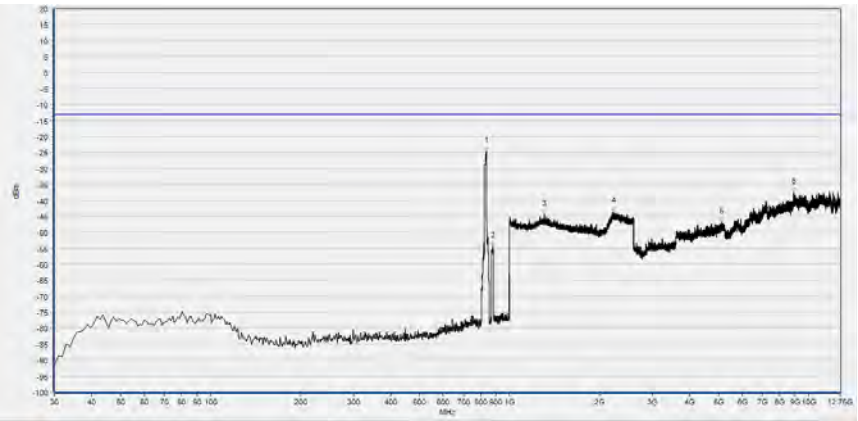


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	839.950	-27.91	-13.00	Horizontal	N/A
2	883.600	-53.48	-13.00	Horizontal	N/A
3	1311.164	-44.38	-13.00	Horizontal	PASS
4	2315.726	-43.23	-13.00	Horizontal	PASS
5	4560.229	-46.83	-13.00	Horizontal	PASS
6	7094.499	-40.26	-13.00	Horizontal	PASS

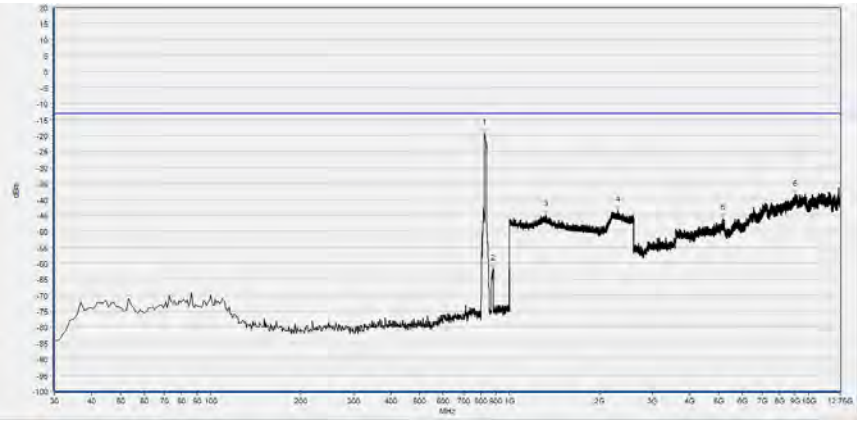


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	836.070	-12.88	-13.00	Vertical	N/A
2	881.660	-59.71	-13.00	Vertical	N/A
3	1343.177	-45.88	-13.00	Vertical	PASS
4	2243.377	-44.53	-13.00	Vertical	PASS
5	3635.488	-48.46	-13.00	Vertical	PASS
6	7220.013	-39.96	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, Low Channel, QPSK

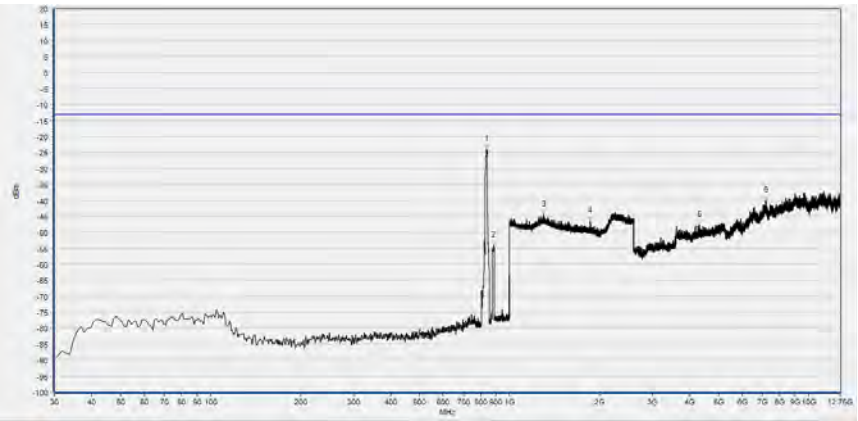


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	835.100	-24.74	-13.00	Horizontal	N/A
2	880.690	-54.31	-13.00	Horizontal	N/A
3	1304.762	-44.33	-13.00	Horizontal	PASS
4	2230.572	-43.49	-13.00	Horizontal	PASS
5	5125.041	-46.71	-13.00	Horizontal	PASS
6	8925.523	-37.45	-13.00	Horizontal	PASS

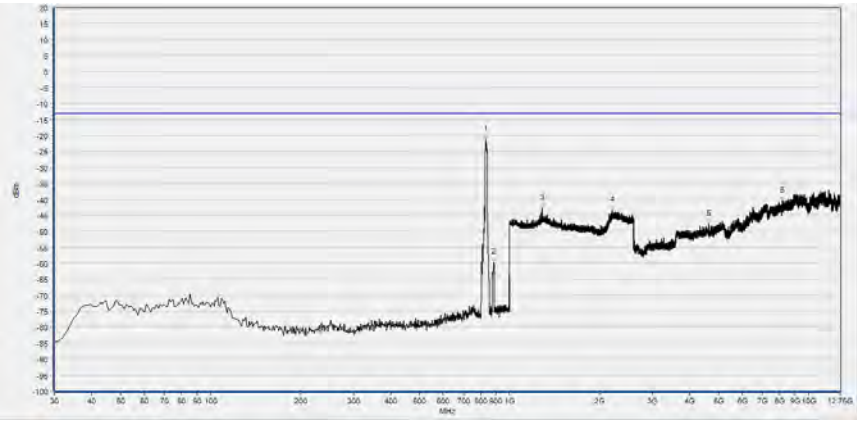


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	825.400	-19.35	-13.00	Vertical	N/A
2	880.690	-61.72	-13.00	Vertical	N/A
3	1320.768	-44.88	-13.00	Vertical	PASS
4	2304.202	-43.54	-13.00	Vertical	PASS
5	5158.265	-46.03	-13.00	Vertical	PASS
6	9030.733	-38.53	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, Mid Channel, QPSK

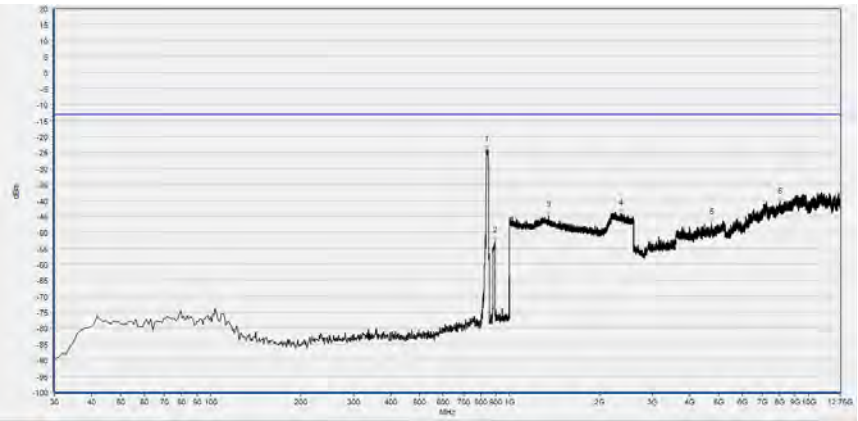


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	838.010	-23.91	-13.00	Horizontal	N/A
2	884.570	-54.09	-13.00	Horizontal	N/A
3	1297.079	-44.67	-13.00	Horizontal	PASS
4	1863.705	-46.49	-13.00	Horizontal	PASS
5	4314.739	-47.77	-13.00	Horizontal	PASS
6	7197.863	-40.14	-13.00	Horizontal	PASS

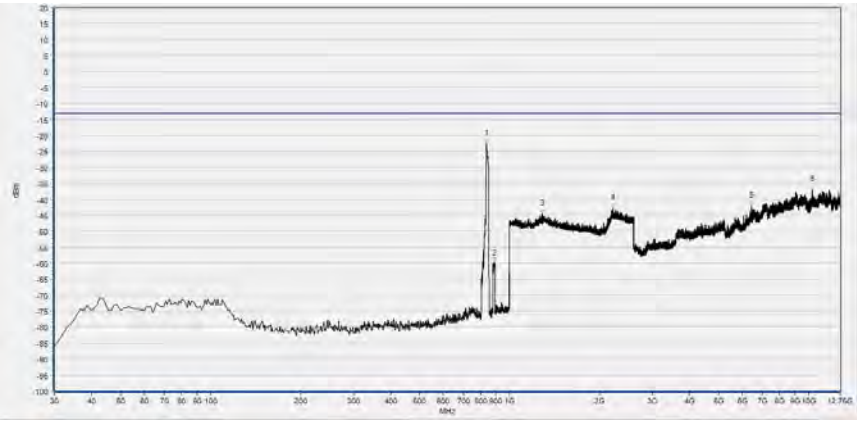


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	833.160	-21.28	-13.00	Vertical	N/A
2	886.510	-59.77	-13.00	Vertical	N/A
3	1284.914	-42.85	-13.00	Vertical	PASS
4	2208.804	-43.53	-13.00	Vertical	PASS
5	4622.986	-47.78	-13.00	Vertical	PASS
6	8157.674	-40.61	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, High Channel, QPSK

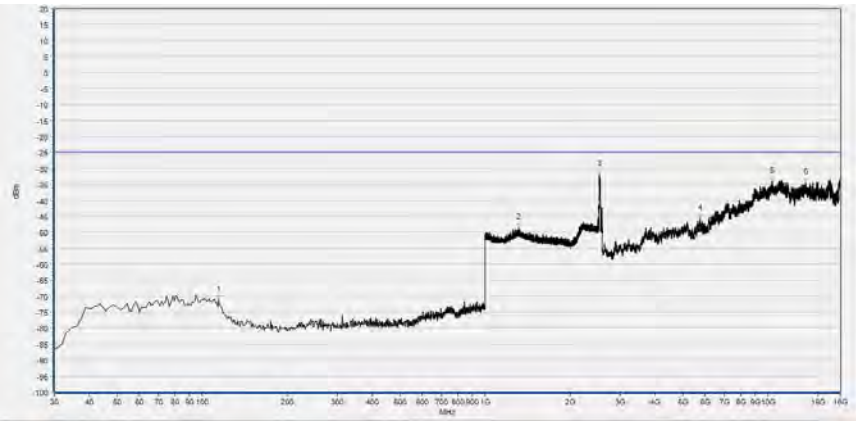


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	837.040	-24.15	-13.00	Horizontal	N/A
2	892.330	-52.83	-13.00	Horizontal	N/A
3	1351.501	-44.85	-13.00	Horizontal	PASS
4	2349.020	-44.19	-13.00	Horizontal	PASS
5	4731.888	-47.09	-13.00	Horizontal	PASS
6	8034.006	-40.57	-13.00	Horizontal	PASS

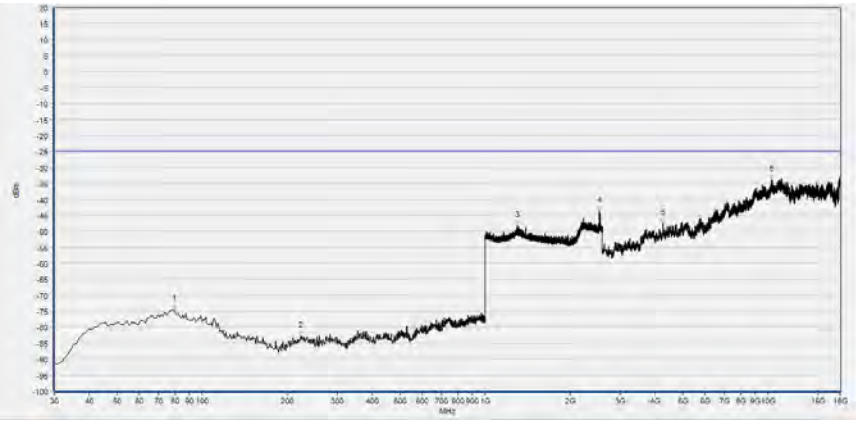


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	837.040	-22.78	-13.00	Vertical	N/A
2	890.390	-59.60	-13.00	Vertical	N/A
3	1284.274	-44.64	-13.00	Vertical	PASS
4	2215.846	-42.86	-13.00	Vertical	PASS
5	6446.627	-42.23	-13.00	Vertical	PASS
6	10289.562	-36.98	-13.00	Vertical	PASS

LTE Band 38, 20MHz BW, Low Channel, QPSK

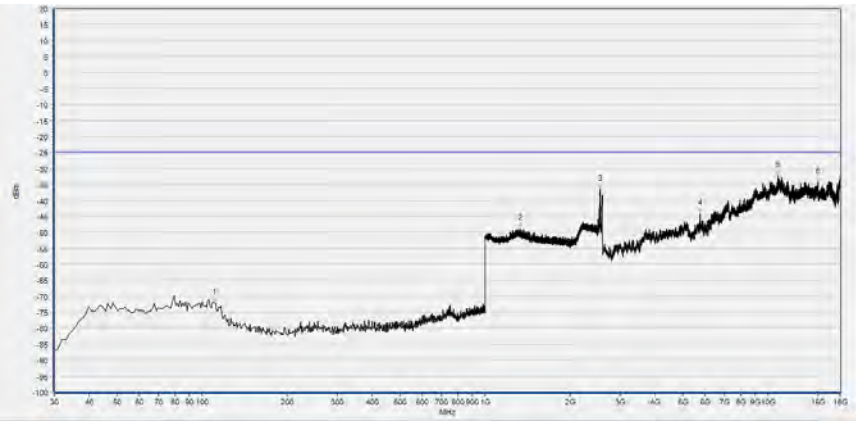


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	114.474	-71.14	-25.00	Horizontal	PASS
2	1312.104	-48.61	-25.00	Horizontal	PASS
3	2540.780	-31.87	-25.00	Horizontal	N/A
4	5745.309	-45.74	-25.00	Horizontal	PASS
5	10369.314	-34.08	-25.00	Horizontal	PASS
6	13594.719	-34.61	-25.00	Horizontal	PASS

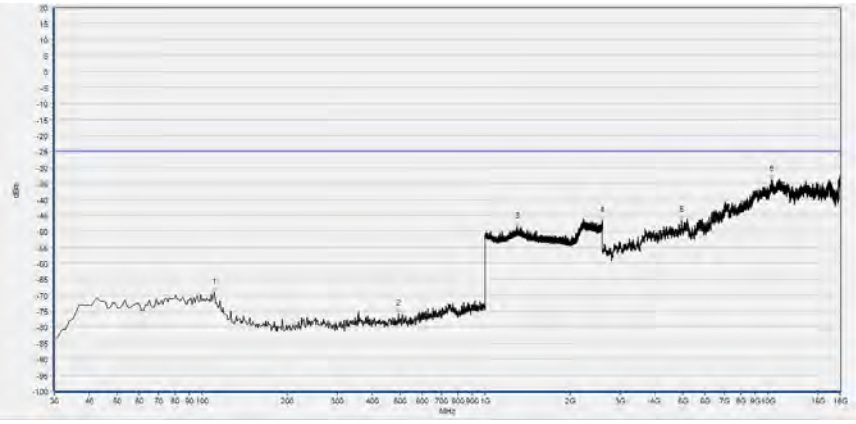


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	79.520	-74.56	-25.00	Vertical	PASS
2	223.223	-82.87	-25.00	Vertical	PASS
3	1298.766	-48.13	-25.00	Vertical	PASS
4	2540.247	-43.63	-25.00	Vertical	N/A
5	4266.613	-47.54	-25.00	Vertical	PASS
6	10310.782	-33.91	-25.00	Vertical	PASS

LTE Band 38, 20MHz BW, Mid Channel, QPSK

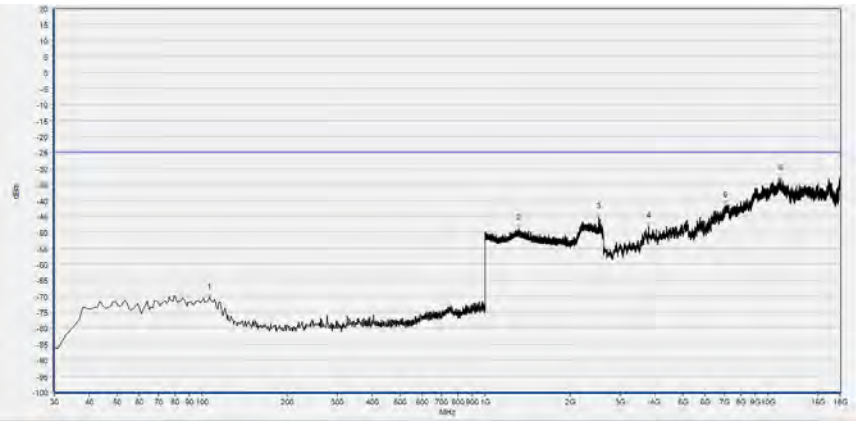


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	110.591	-72.07	-25.00	Horizontal	PASS
2	1326.509	-48.93	-25.00	Horizontal	PASS
3	2551.450	-36.52	-25.00	Horizontal	N/A
4	5751.470	-44.02	-25.00	Horizontal	PASS
5	10880.696	-32.32	-25.00	Horizontal	PASS
6	14999.480	-34.36	-25.00	Horizontal	PASS

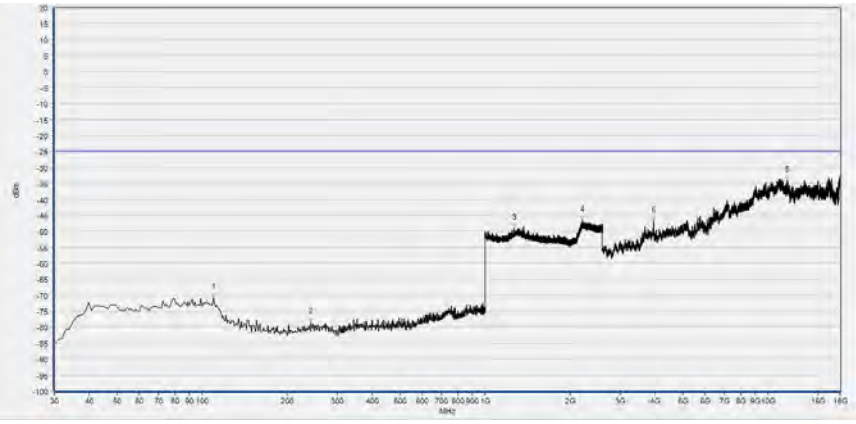


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	110.591	-69.24	-25.00	Vertical	PASS
2	494.124	-75.87	-25.00	Vertical	PASS
3	1297.699	-48.55	-25.00	Vertical	PASS
4	2593.064	-46.80	-25.00	Vertical	PASS
5	4941.268	-46.61	-25.00	Vertical	PASS
6	10316.943	-33.82	-25.00	Vertical	PASS

LTE Band 38, 20MHz BW, High Channel, QPSK

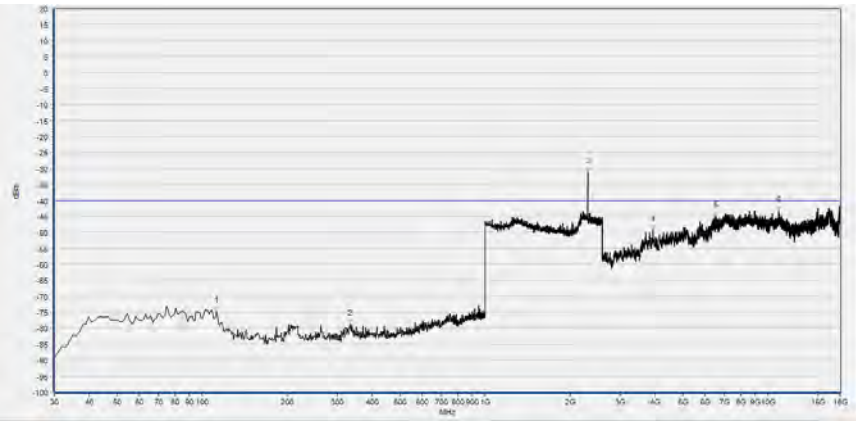


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	105.736	-70.41	-25.00	Horizontal	PASS
2	1313.705	-48.83	-25.00	Horizontal	PASS
3	2528.510	-45.24	-25.00	Horizontal	PASS
4	3786.037	-48.19	-25.00	Horizontal	PASS
5	7076.135	-41.76	-25.00	Horizontal	PASS
6	11120.984	-33.14	-25.00	Horizontal	PASS

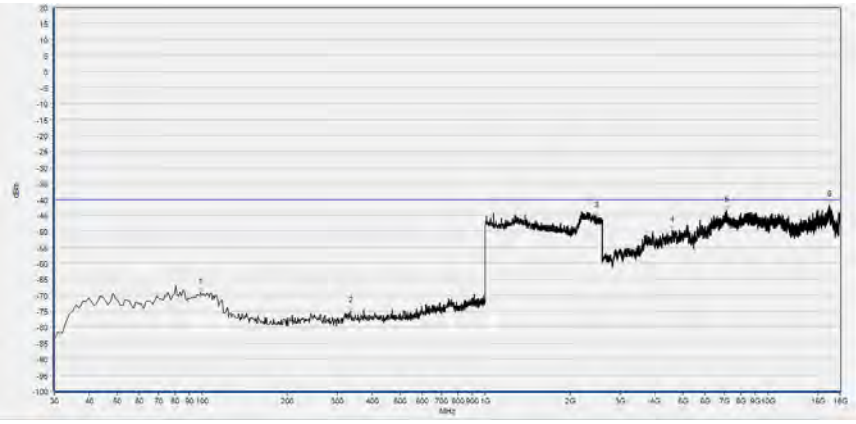


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	109.620	-70.65	-25.00	Vertical	PASS
2	242.643	-78.54	-25.00	Vertical	PASS
3	1272.091	-49.05	-25.00	Vertical	PASS
4	2208.936	-46.61	-25.00	Vertical	PASS
5	3946.229	-46.73	-25.00	Vertical	PASS
6	11734.027	-34.17	-25.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, Low Channel, QPSK

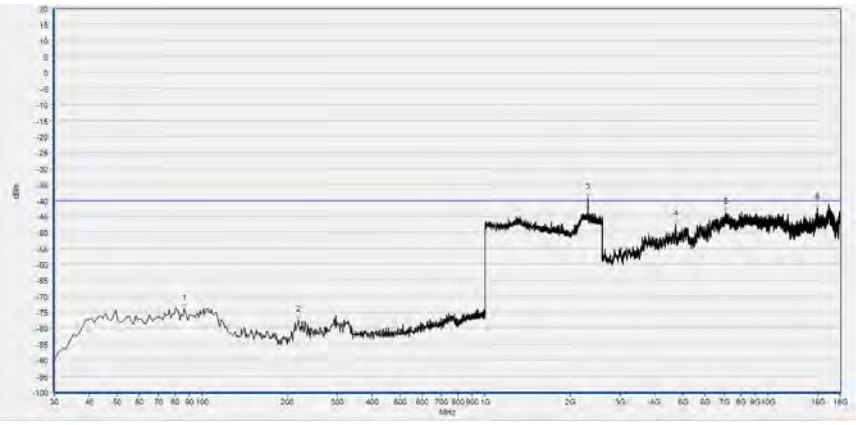


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	112.533	-74.82	-40.00	Horizontal	PASS
2	332.943	-78.88	-40.00	Horizontal	PASS
3	2306.907	-31.17	-40.00	Horizontal	N/A
4	3924.665	-49.27	-40.00	Horizontal	PASS
5	6530.866	-44.89	-40.00	Horizontal	PASS
6	10899.180	-43.31	-40.00	Horizontal	PASS

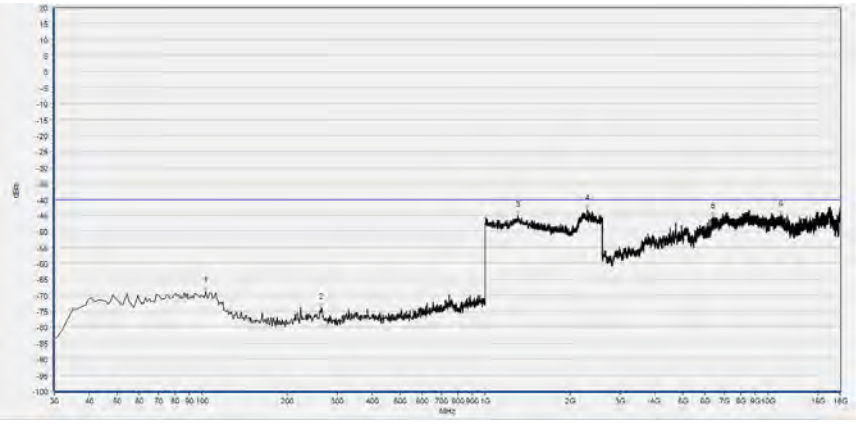


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	98.939	-69.10	-40.00	Vertical	PASS
2	334.885	-74.92	-40.00	Vertical	PASS
3	2484.685	-45.28	-40.00	Vertical	PASS
4	4593.159	-49.74	-40.00	Vertical	PASS
5	7156.231	-43.54	-40.00	Vertical	PASS
6	16508.982	-41.71	-40.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, Mid Channel, QPSK

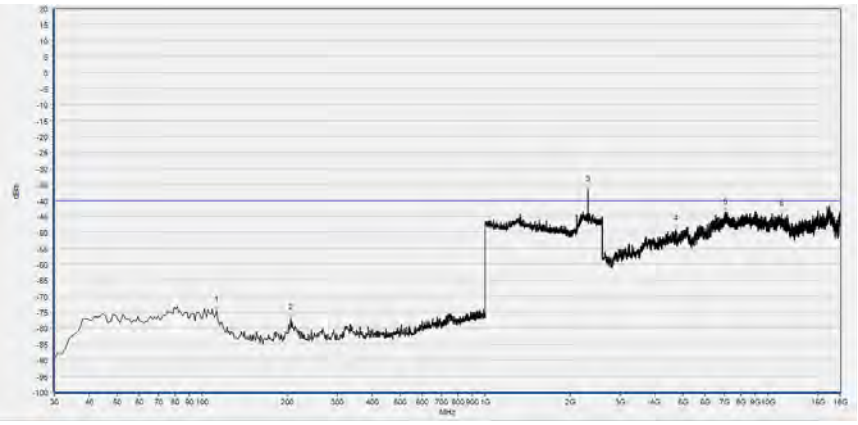


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	86.316	-73.95	-40.00	Horizontal	PASS
2	219.339	-77.38	-40.00	Horizontal	PASS
3	2308.509	-39.30	-40.00	Horizontal	N/A
4	4728.706	-47.51	-40.00	Horizontal	PASS
5	7088.458	-43.68	-40.00	Horizontal	PASS
6	14980.996	-42.38	-40.00	Horizontal	PASS

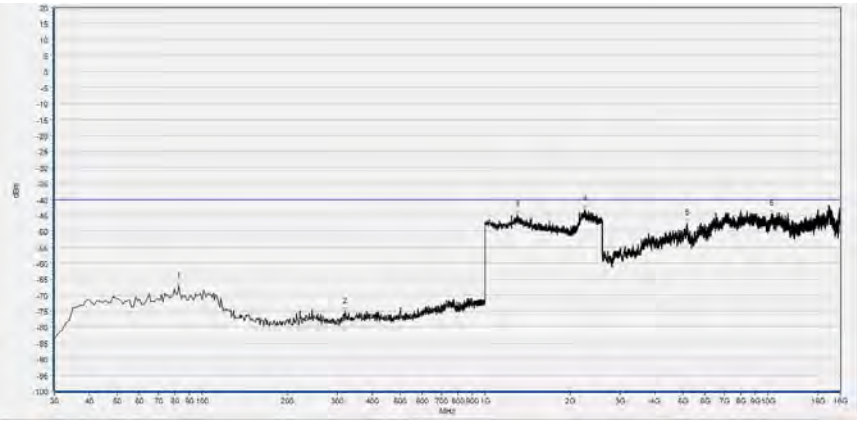


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-68.72	-40.00	Vertical	PASS
2	264.004	-73.83	-40.00	Vertical	PASS
3	1309.109	-44.97	-40.00	Vertical	PASS
4	2300.501	-43.02	-40.00	Vertical	PASS
5	6379.916	-45.57	-40.00	Vertical	PASS
6	11077.856	-44.78	-40.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, High Channel, QPSK

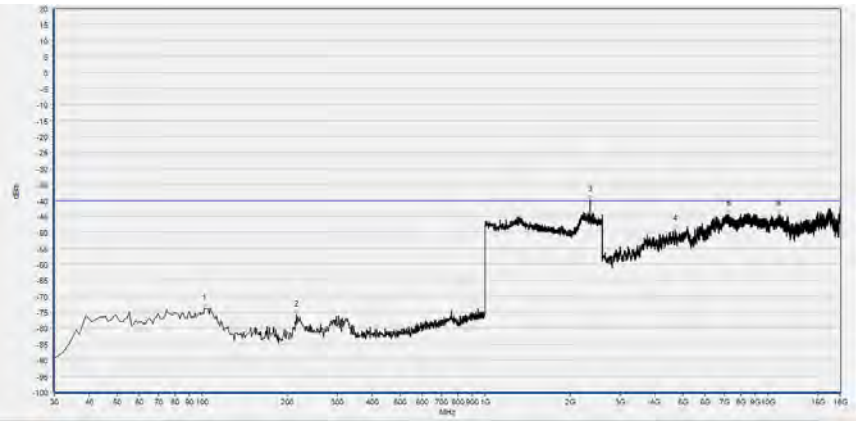


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	112.533	-74.48	-40.00	Horizontal	PASS
2	205.746	-76.90	-40.00	Horizontal	PASS
3	2311.712	-36.73	-40.00	Horizontal	N/A
4	4719.464	-49.14	-40.00	Horizontal	PASS
5	7039.168	-43.88	-40.00	Horizontal	PASS
6	11142.549	-44.27	-40.00	Horizontal	PASS

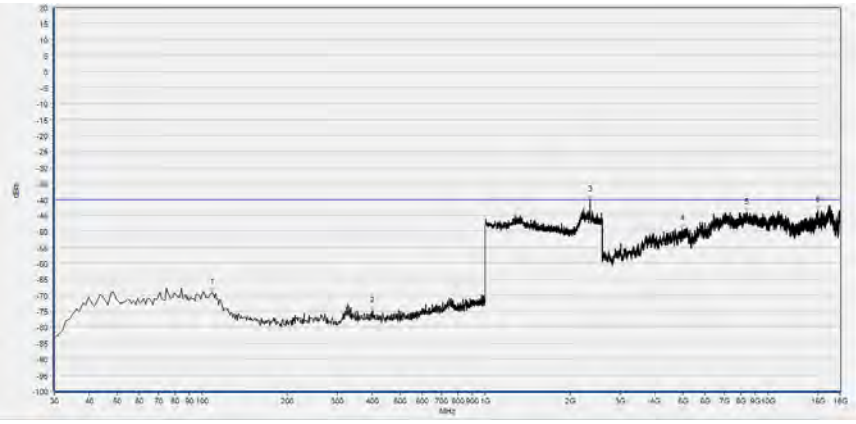


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	82.432	-67.15	-40.00	Vertical	PASS
2	319.349	-75.28	-40.00	Vertical	PASS
3	1302.703	-44.78	-40.00	Vertical	PASS
4	2252.452	-43.20	-40.00	Vertical	PASS
5	5181.556	-47.49	-40.00	Vertical	PASS
6	10310.782	-44.69	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, Low Channel, QPSK

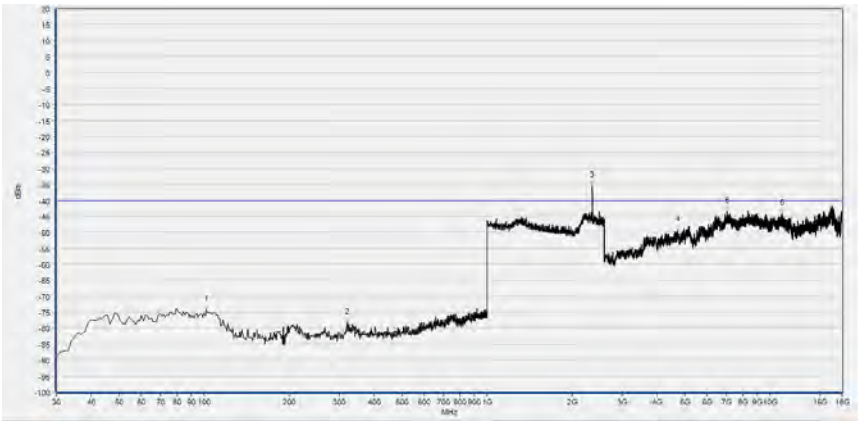


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	101.852	-73.84	-40.00	Horizontal	PASS
2	215.455	-75.97	-40.00	Horizontal	PASS
3	2353.353	-39.97	-40.00	Horizontal	N/A
4	4704.061	-49.04	-40.00	Horizontal	PASS
5	7245.569	-44.32	-40.00	Horizontal	PASS
6	10929.986	-44.47	-40.00	Horizontal	PASS

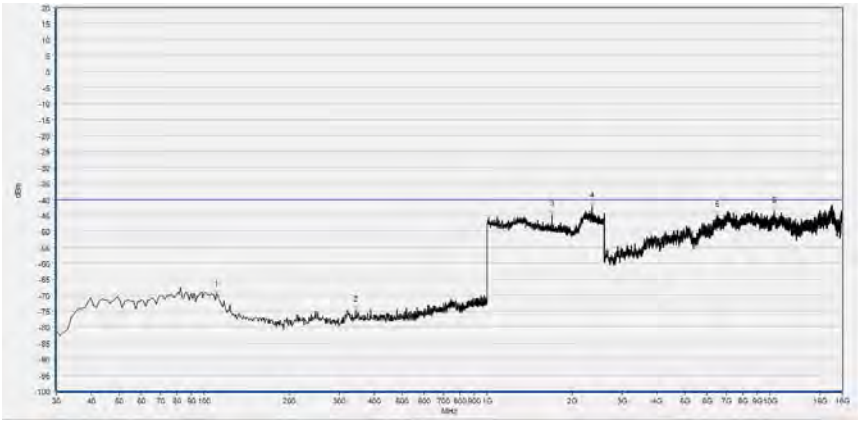


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	108.649	-69.25	-40.00	Vertical	PASS
2	398.969	-74.93	-40.00	Vertical	PASS
3	2351.752	-40.12	-40.00	Vertical	N/A
4	4965.913	-49.38	-40.00	Vertical	PASS
5	8394.639	-44.20	-40.00	Vertical	PASS
6	14987.157	-43.51	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, Mid Channel, QPSK

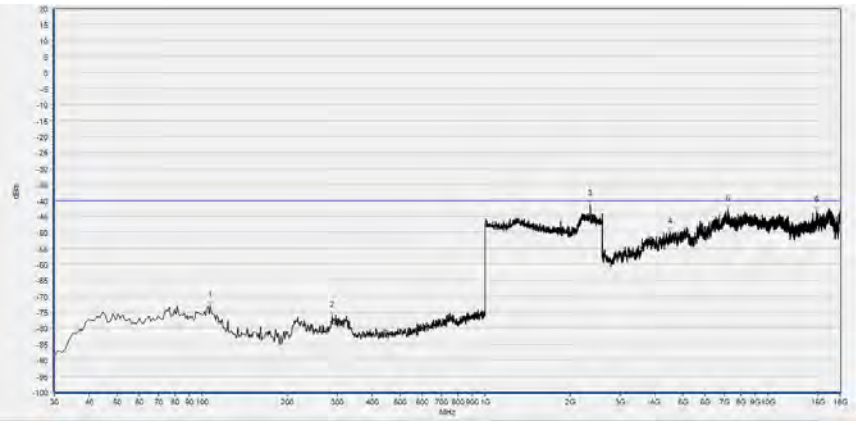


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	101.852	-74.41	-40.00	Horizontal	PASS
2	319.349	-78.27	-40.00	Horizontal	PASS
3	2356.557	-35.45	-40.00	Horizontal	N/A
4	4722.545	-49.28	-40.00	Horizontal	PASS
5	7048.410	-43.47	-40.00	Horizontal	PASS
6	11016.243	-44.22	-40.00	Horizontal	PASS

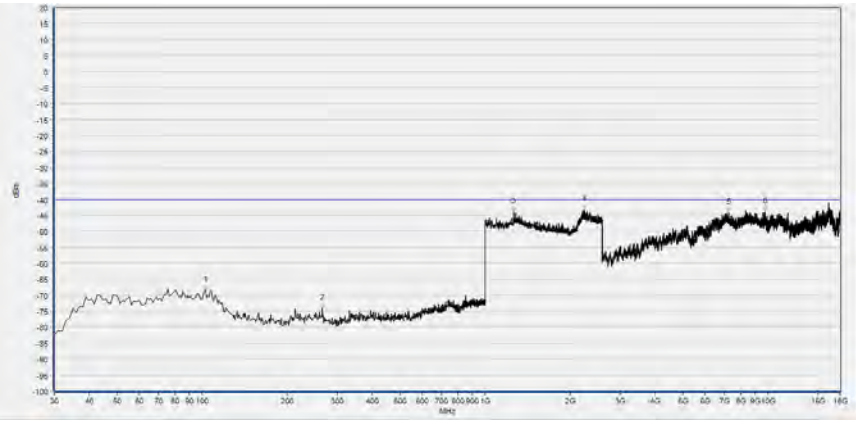


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	110.591	-69.78	-40.00	Vertical	PASS
2	342.653	-74.81	-40.00	Vertical	PASS
3	1693.493	-44.73	-40.00	Vertical	PASS
4	2353.353	-42.19	-40.00	Vertical	N/A
5	6509.302	-45.11	-40.00	Vertical	PASS
6	10350.830	-43.67	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, High Channel, QPSK

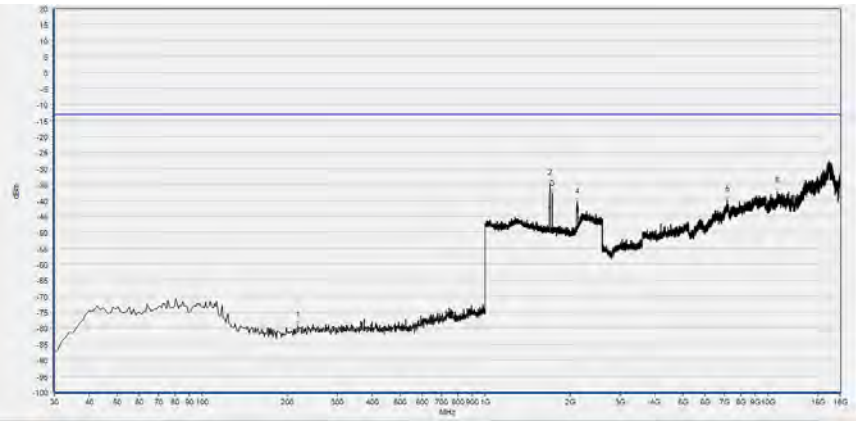


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	106.707	-72.91	-40.00	Horizontal	PASS
2	287.307	-76.04	-40.00	Horizontal	PASS
3	2358.158	-41.30	-40.00	Horizontal	N/A
4	4503.821	-49.99	-40.00	Horizontal	PASS
5	7230.166	-42.82	-40.00	Horizontal	PASS
6	14857.772	-43.32	-40.00	Horizontal	PASS

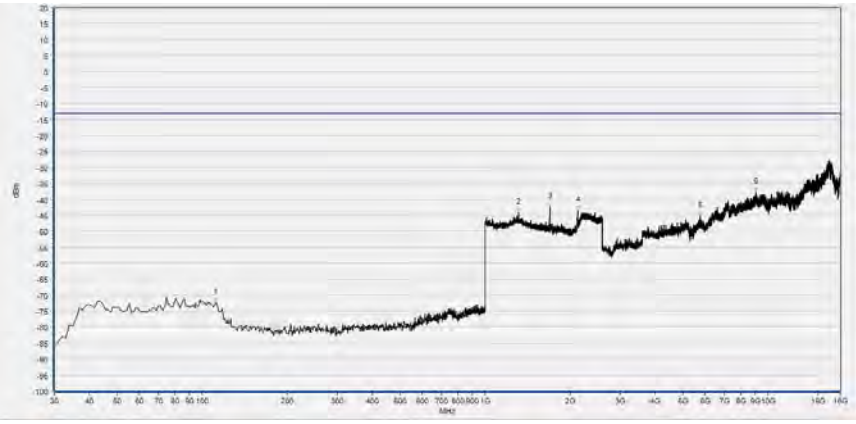


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-68.40	-40.00	Vertical	PASS
2	265.946	-74.03	-40.00	Vertical	PASS
3	1264.264	-43.95	-40.00	Vertical	PASS
4	2246.046	-43.17	-40.00	Vertical	PASS
5	7282.537	-44.09	-40.00	Vertical	PASS
6	9777.836	-43.97	-40.00	Vertical	PASS

LTE Band 66, 20MHz BW, Low Channel, QPSK

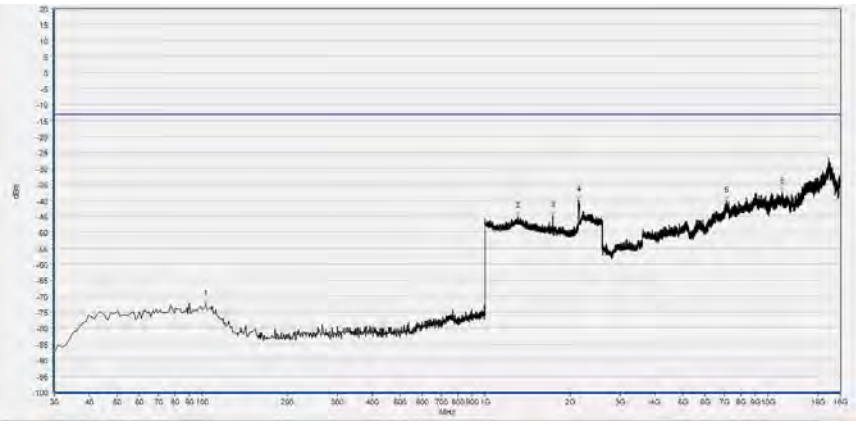


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	217.397	-79.26	-13.00	Horizontal	PASS
2	1693.147	-34.84	-13.00	Horizontal	PASS
3	1728.364	-37.84	-13.00	Horizontal	N/A
4	2112.556	-40.56	-13.00	Horizontal	N/A
5	7195.099	-39.96	-13.00	Horizontal	PASS
6	10814.702	-37.10	-13.00	Horizontal	PASS

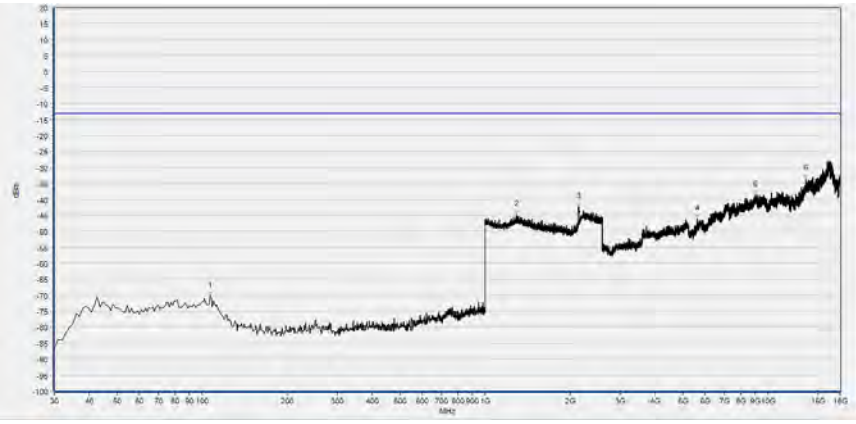


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	111.562	-72.36	-13.00	Vertical	PASS
2	1313.757	-44.23	-13.00	Vertical	PASS
3	1694.747	-42.44	-13.00	Vertical	N/A
4	2127.764	-43.56	-13.00	Vertical	N/A
5	5767.795	-45.15	-13.00	Vertical	PASS
6	9056.243	-37.76	-13.00	Vertical	PASS

LTE Band 66, 20MHz BW, Mid Channel, QPSK

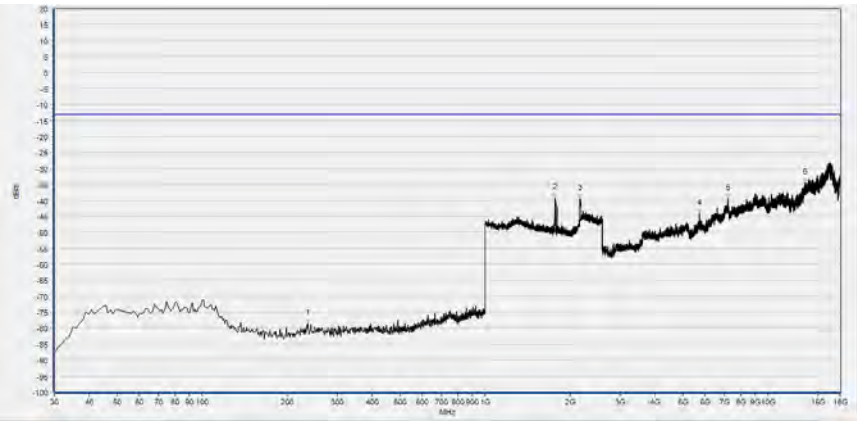


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-72.55	-13.00	Horizontal	PASS
2	1303.352	-45.09	-13.00	Horizontal	PASS
3	1736.368	-44.77	-13.00	Horizontal	N/A
4	2143.772	-39.82	-13.00	Horizontal	N/A
5	7130.922	-40.15	-13.00	Horizontal	PASS
6	11212.602	-37.47	-13.00	Horizontal	PASS

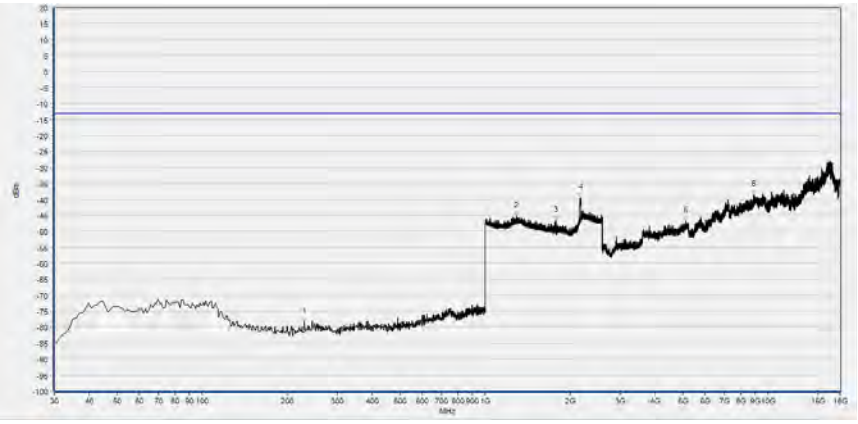


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	106.707	-70.37	-13.00	Vertical	PASS
2	1292.946	-44.73	-13.00	Vertical	PASS
3	2140.570	-42.40	-13.00	Vertical	N/A
4	5611.202	-46.24	-13.00	Vertical	PASS
5	8992.065	-38.76	-13.00	Vertical	PASS
6	13625.671	-33.54	-13.00	Vertical	PASS

LTE Band 66, 20MHz BW, High Channel, QPSK



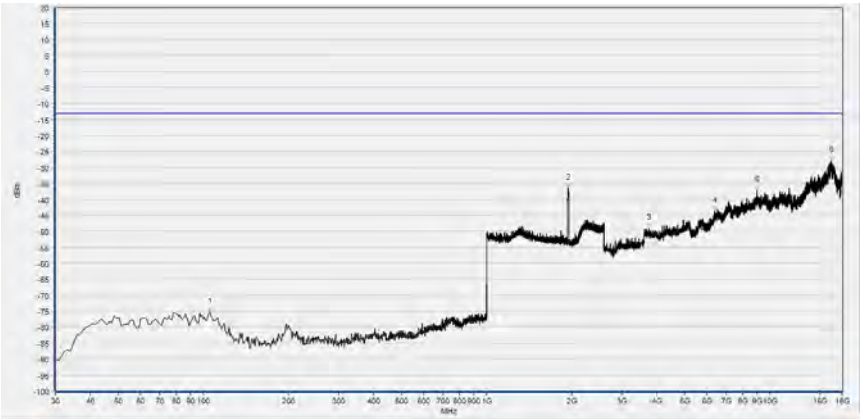
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	236.817	-78.51	-13.00	Horizontal	PASS
2	1767.584	-39.30	-13.00	Horizontal	N/A
3	2161.381	-39.46	-13.00	Horizontal	N/A
4	5739.557	-44.21	-13.00	Horizontal	PASS
5	7223.337	-39.47	-13.00	Horizontal	PASS
6	13553.792	-34.50	-13.00	Horizontal	PASS



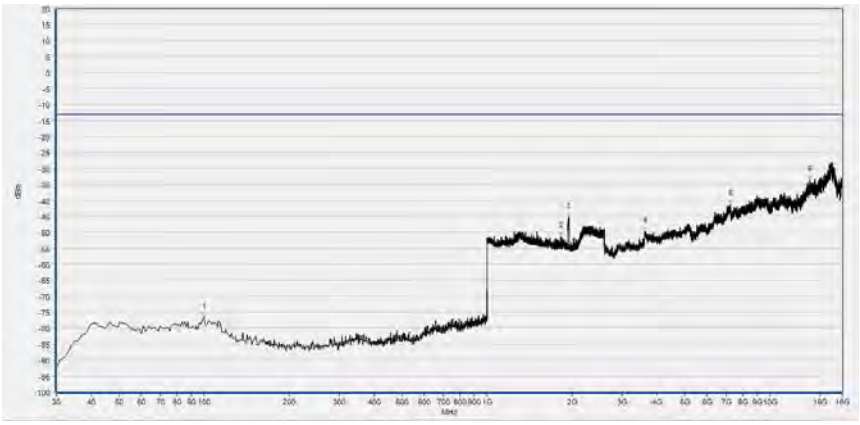
No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	230.020	-78.27	-13.00	Vertical	PASS
2	1291.346	-45.17	-13.00	Vertical	PASS
3	1773.987	-46.69	-13.00	Vertical	N/A
4	2177.389	-39.44	-13.00	Vertical	N/A
5	5128.588	-46.72	-13.00	Vertical	PASS
6	8909.918	-38.65	-13.00	Vertical	PASS

Bottom Antenna

LTE Band 2, 20MHz BW, Low Channel, QPSK

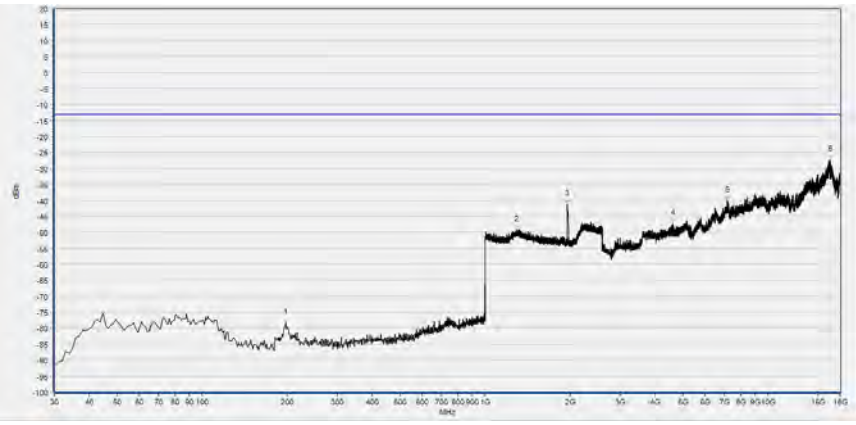


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	105.660	-75.29	-13.00	Horizontal	PASS
2	1944.378	-36.43	-13.00	Horizontal	N/A
3	3739.807	-49.15	-13.00	Horizontal	PASS
4	6380.687	-43.66	-13.00	Horizontal	PASS
5	8985.161	-37.27	-13.00	Horizontal	PASS
6	16538.134	-27.90	-13.00	Horizontal	PASS

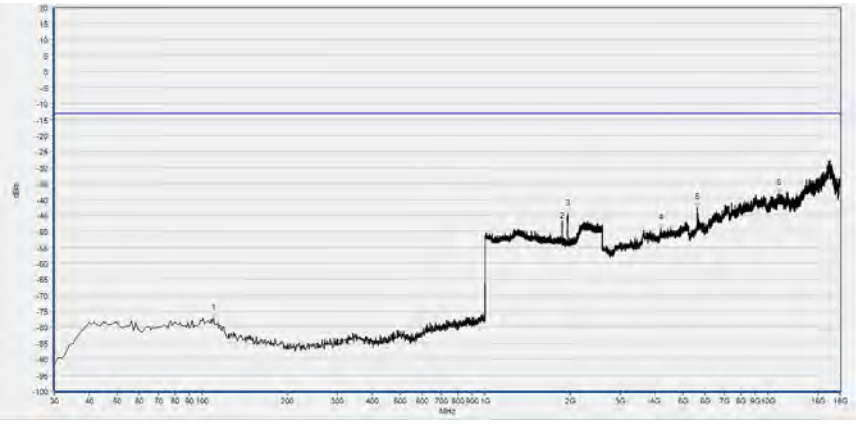


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	99.840	-76.65	-13.00	Vertical	PASS
2	1822.089	-51.36	-13.00	Vertical	N/A
3	1937.335	-45.29	-13.00	Vertical	N/A
4	3616.585	-49.62	-13.00	Vertical	PASS
5	7246.045	-41.22	-13.00	Vertical	PASS
6	13816.039	-33.67	-13.00	Vertical	PASS

LTE Band 2, 20MHz BW, Mid Channel, QPSK

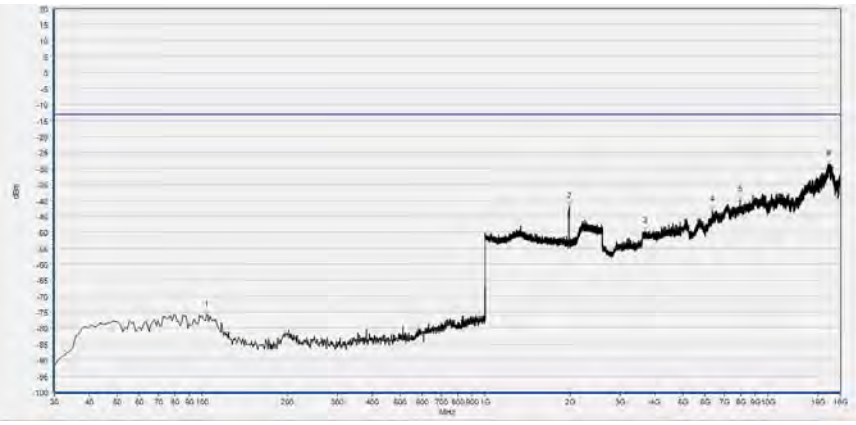


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	197.810	-78.41	-13.00	Horizontal	PASS
2	1293.237	-49.29	-13.00	Horizontal	PASS
3	1952.061	-41.31	-13.00	Horizontal	N/A
4	4619.167	-47.23	-13.00	Horizontal	PASS
5	7167.630	-40.03	-13.00	Horizontal	PASS
6	16546.536	-27.43	-13.00	Horizontal	PASS

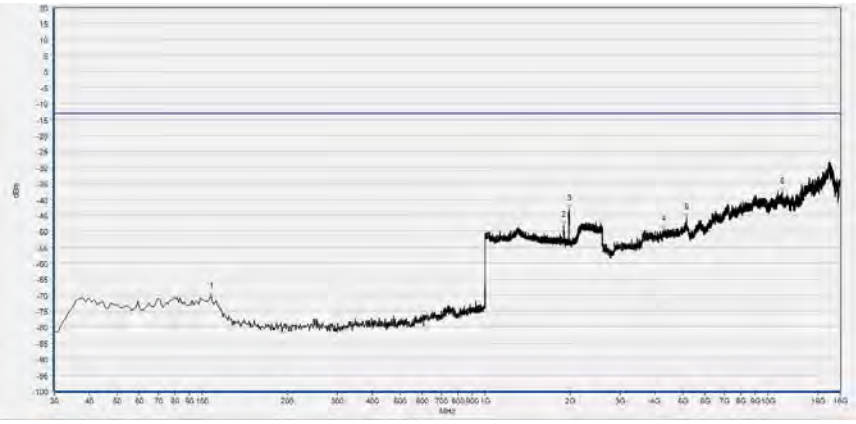


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	109.540	-77.14	-13.00	Vertical	PASS
2	1875.230	-48.56	-13.00	Vertical	PASS
3	1962.305	-44.57	-13.00	Vertical	PASS
4	4185.088	-49.15	-13.00	Vertical	PASS
5	5627.350	-42.63	-13.00	Vertical	PASS
6	10928.714	-38.19	-13.00	Vertical	PASS

LTE Band 2, 20MHz BW, High Channel, QPSK

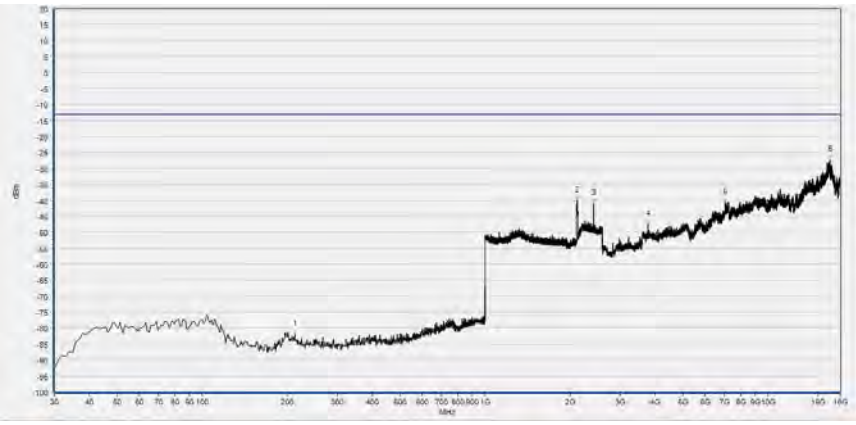


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	103.720	-75.88	-13.00	Horizontal	PASS
2	1987.915	-41.96	-13.00	Horizontal	N/A
3	3675.396	-49.62	-13.00	Horizontal	PASS
4	6369.485	-43.12	-13.00	Horizontal	PASS
5	7974.177	-39.97	-13.00	Horizontal	PASS
6	16367.303	-28.71	-13.00	Horizontal	PASS

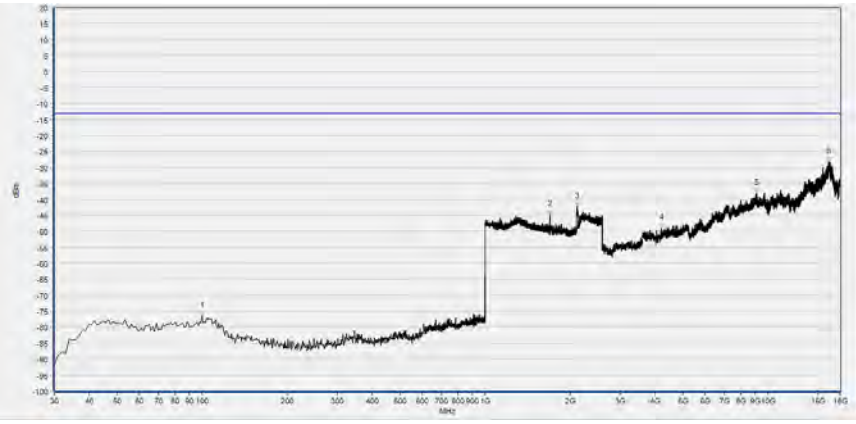


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.600	-70.58	-13.00	Vertical	PASS
2	1898.279	-48.16	-13.00	Vertical	N/A
3	1980.872	-42.98	-13.00	Vertical	N/A
4	4271.904	-49.56	-13.00	Vertical	PASS
5	5159.665	-45.79	-13.00	Vertical	PASS
6	11222.768	-37.76	-13.00	Vertical	PASS

LTE Band 4, 20MHz BW, Low Channel, QPSK

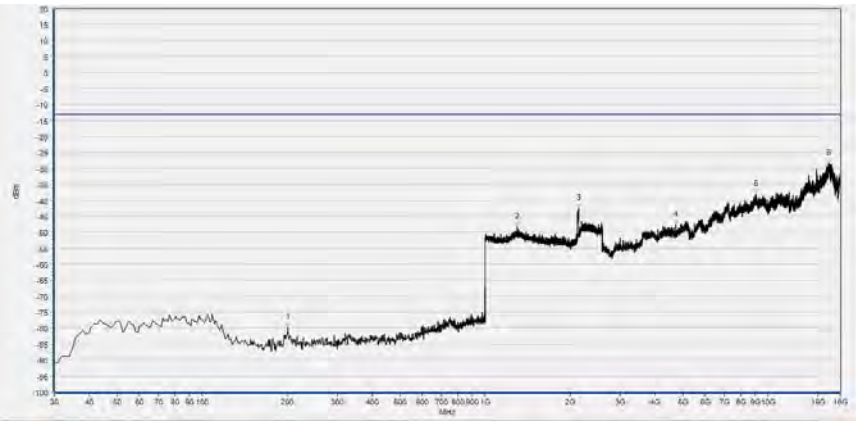


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	212.360	-81.97	-13.00	Horizontal	PASS
2	2114.046	-40.01	-13.00	Horizontal	N/A
3	2415.606	-41.09	-13.00	Horizontal	PASS
4	3767.812	-47.53	-13.00	Horizontal	PASS
5	7069.613	-40.75	-13.00	Horizontal	PASS
6	16546.536	-27.29	-13.00	Horizontal	PASS

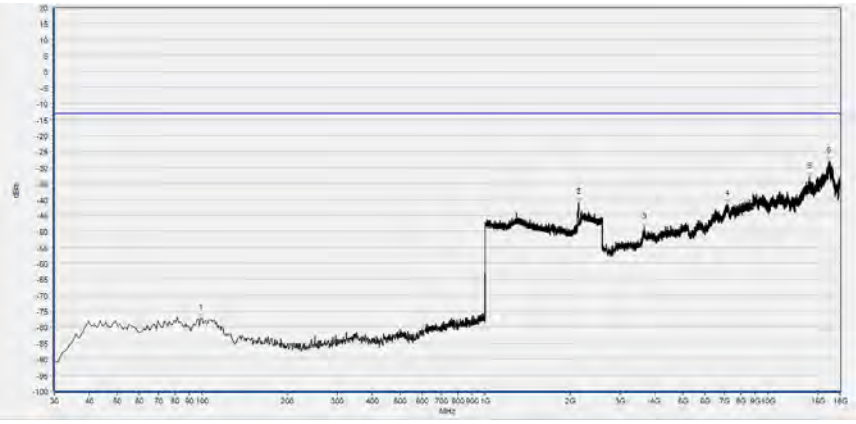


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	99.840	-76.45	-13.00	Vertical	PASS
2	1694.038	-44.84	-13.00	Vertical	N/A
3	2116.607	-42.41	-13.00	Vertical	N/A
4	4207.492	-48.94	-13.00	Vertical	PASS
5	9141.989	-38.08	-13.00	Vertical	PASS
6	16392.508	-28.37	-13.00	Vertical	PASS

LTE Band 4, 20MHz BW, Mid Channel, QPSK

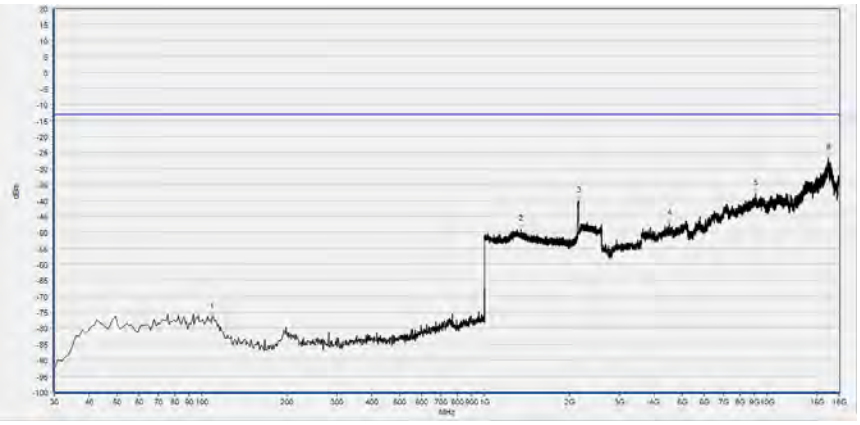


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	200.720	-79.98	-13.00	Horizontal	PASS
2	1297.719	-48.31	-13.00	Horizontal	PASS
3	2140.936	-42.48	-13.00	Horizontal	N/A
4	4717.185	-47.70	-13.00	Horizontal	PASS
5	9049.573	-38.21	-13.00	Horizontal	PASS
6	16412.111	-28.52	-13.00	Horizontal	PASS

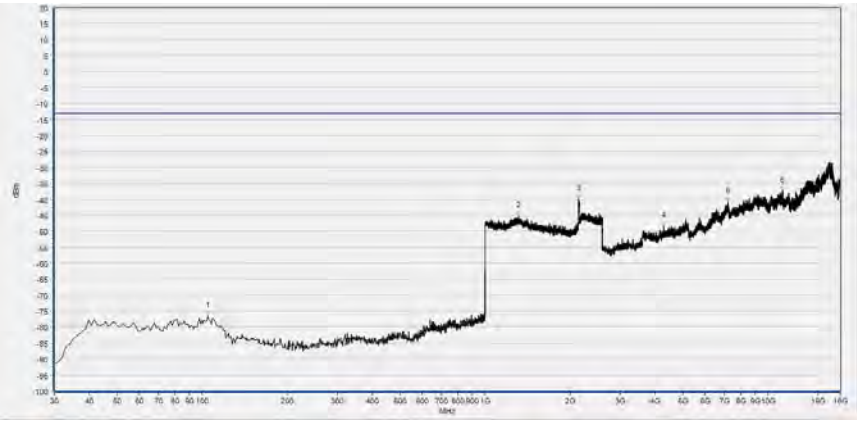


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	98.870	-77.22	-13.00	Vertical	PASS
2	2140.296	-41.07	-13.00	Vertical	N/A
3	3664.193	-48.90	-13.00	Vertical	PASS
4	7187.234	-41.52	-13.00	Vertical	PASS
5	13995.272	-32.86	-13.00	Vertical	PASS
6	16409.311	-27.94	-13.00	Vertical	PASS

LTE Band 4, 20MHz BW, High Channel, QPSK

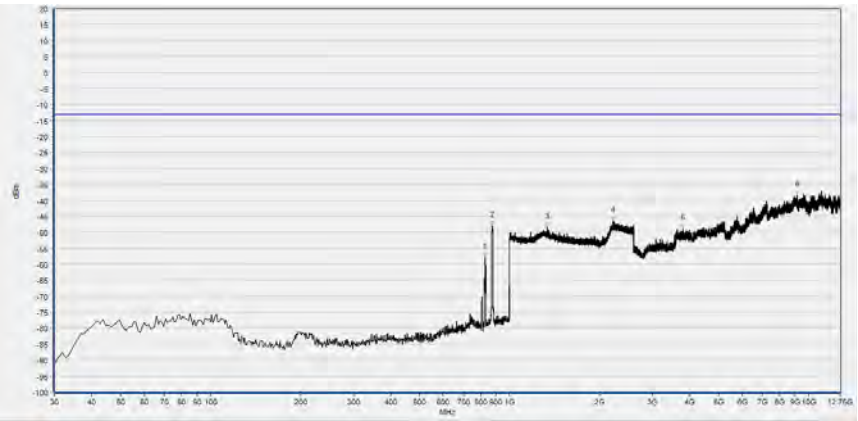


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	108.570	-76.44	-13.00	Horizontal	PASS
2	1348.940	-49.07	-13.00	Horizontal	PASS
3	2151.821	-40.08	-13.00	Horizontal	N/A
4	4512.748	-47.19	-13.00	Horizontal	PASS
5	9133.588	-37.93	-13.00	Horizontal	PASS
6	16540.935	-26.77	-13.00	Horizontal	PASS

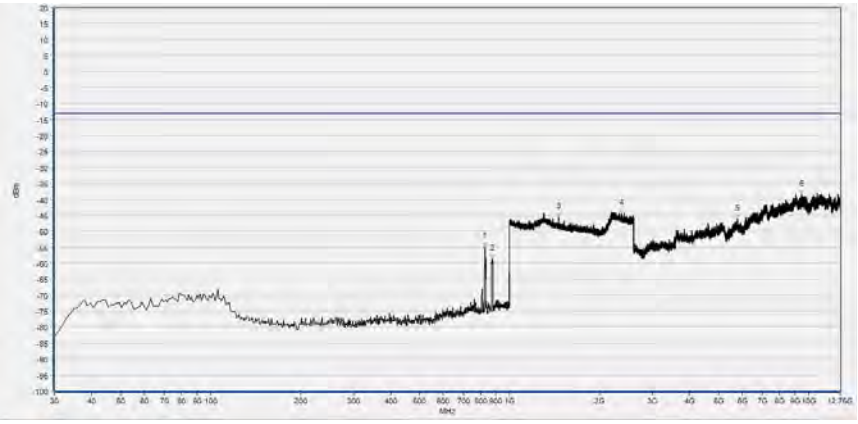


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	104.690	-76.49	-13.00	Vertical	PASS
2	1317.567	-45.27	-13.00	Vertical	PASS
3	2146.058	-40.00	-13.00	Vertical	N/A
4	4288.707	-48.34	-13.00	Vertical	PASS
5	7243.244	-40.75	-13.00	Vertical	PASS
6	11208.765	-37.40	-13.00	Vertical	PASS

LTE Band 5, 10MHz BW, Low Channel, QPSK

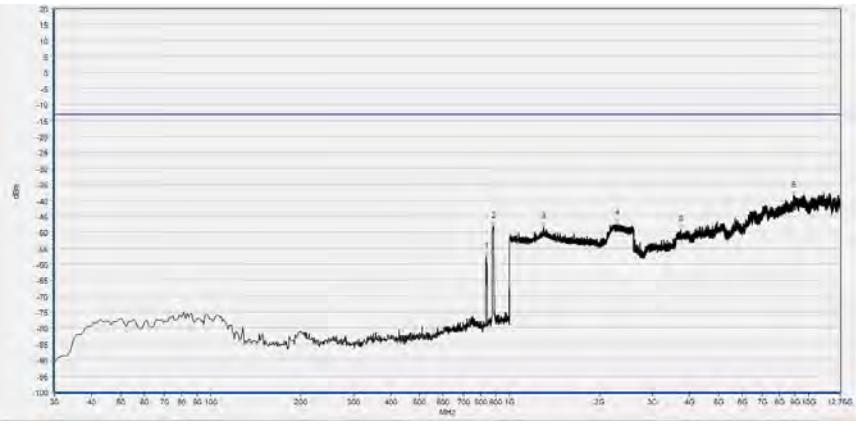


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-57.76	-13.00	Horizontal	N/A
2	876.810	-47.91	-13.00	Horizontal	N/A
3	1334.854	-48.46	-13.00	Horizontal	PASS
4	2213.926	-46.38	-13.00	Horizontal	PASS
5	3808.993	-48.90	-13.00	Horizontal	PASS
6	9169.167	-38.41	-13.00	Horizontal	PASS

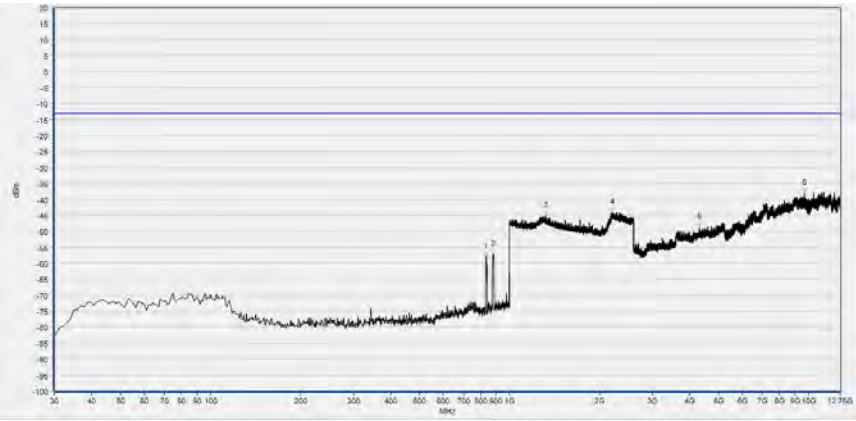


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-54.91	-13.00	Vertical	N/A
2	874.870	-58.63	-13.00	Vertical	N/A
3	1455.862	-45.46	-13.00	Vertical	PASS
4	2368.868	-44.40	-13.00	Vertical	PASS
5	5787.680	-46.23	-13.00	Vertical	PASS
6	9495.872	-38.53	-13.00	Vertical	PASS

LTE Band 5, 10MHz BW, Mid Channel, QPSK

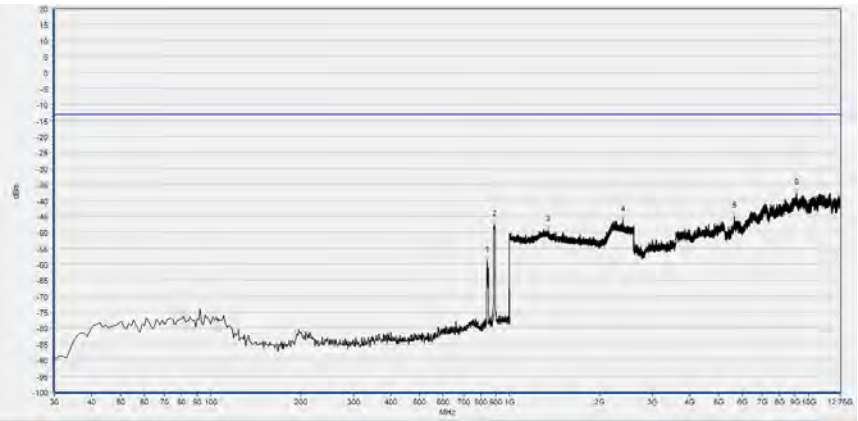


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	835.100	-57.65	-13.00	Horizontal	N/A
2	883.600	-48.23	-13.00	Horizontal	N/A
3	1300.920	-48.34	-13.00	Horizontal	PASS
4	2284.994	-47.23	-13.00	Horizontal	PASS
5	3735.161	-49.27	-13.00	Horizontal	PASS
6	8923.677	-38.44	-13.00	Horizontal	PASS

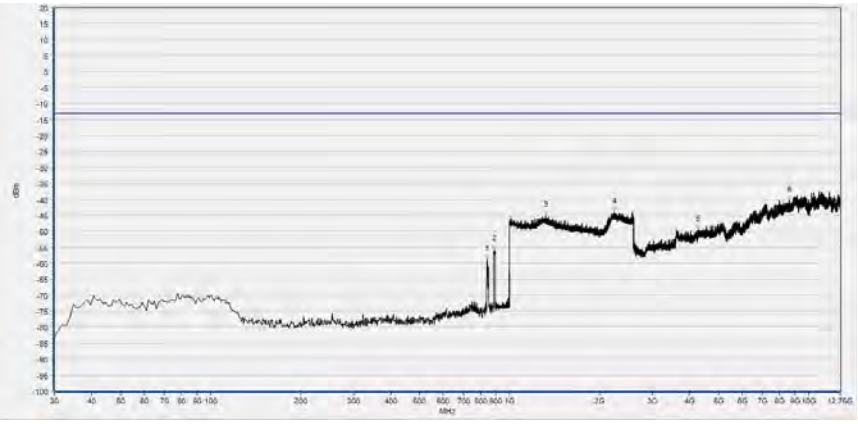


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	833.160	-58.16	-13.00	Vertical	N/A
2	884.570	-57.21	-13.00	Vertical	N/A
3	1320.768	-45.26	-13.00	Vertical	PASS
4	2202.401	-44.24	-13.00	Vertical	PASS
5	4305.510	-48.92	-13.00	Vertical	PASS
6	9665.685	-38.16	-13.00	Vertical	PASS

LTE Band 5, 10MHz BW, High Channel, QPSK

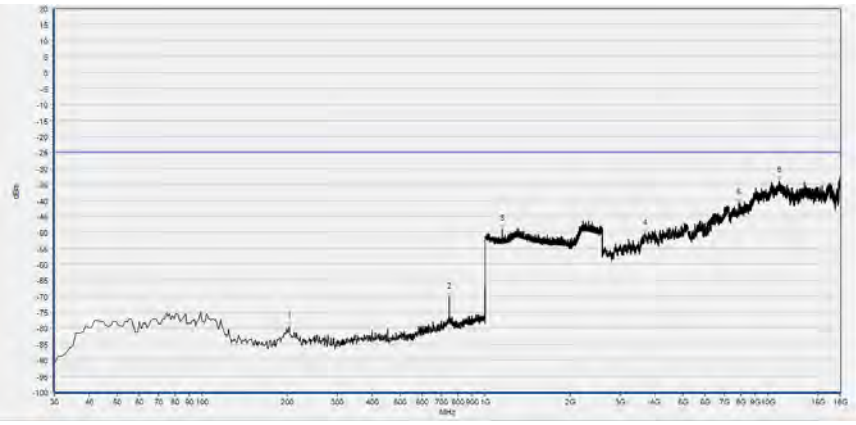


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	843.830	-58.79	-13.00	Horizontal	N/A
2	890.390	-47.53	-13.00	Horizontal	N/A
3	1346.379	-49.16	-13.00	Horizontal	PASS
4	2399.600	-46.25	-13.00	Horizontal	PASS
5	5660.320	-44.98	-13.00	Horizontal	PASS
6	9123.022	-37.72	-13.00	Horizontal	PASS

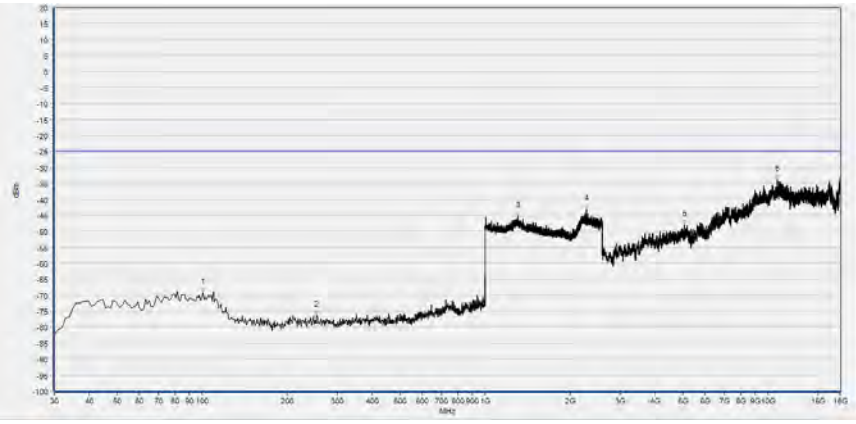


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	842.860	-58.96	-13.00	Vertical	N/A
2	890.390	-56.08	-13.00	Vertical	N/A
3	1320.128	-45.04	-13.00	Vertical	PASS
4	2236.975	-43.85	-13.00	Vertical	PASS
5	4264.903	-49.47	-13.00	Vertical	PASS
6	8622.813	-40.30	-13.00	Vertical	PASS

LTE Band 7, 20MHz BW, Low Channel, QPSK

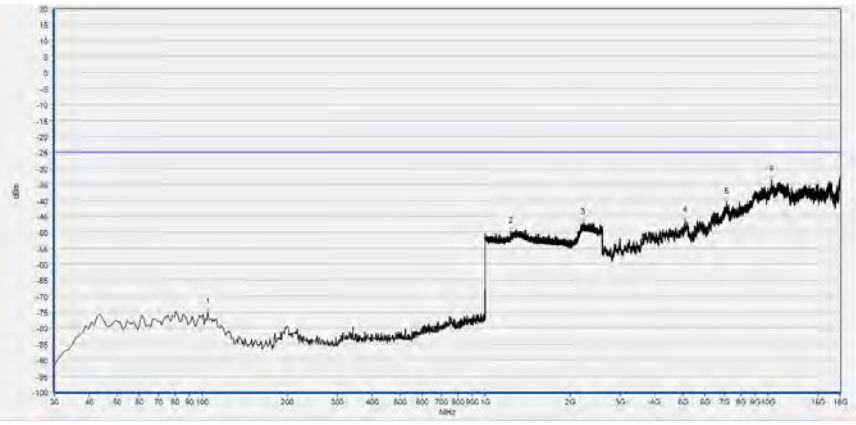


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	203.630	-79.36	-25.00	Horizontal	PASS
2	746.830	-70.19	-25.00	Horizontal	PASS
3	1150.460	-49.02	-25.00	Horizontal	PASS
4	3680.997	-50.34	-25.00	Horizontal	PASS
5	7884.561	-40.77	-25.00	Horizontal	PASS
6	10990.326	-33.96	-25.00	Horizontal	PASS

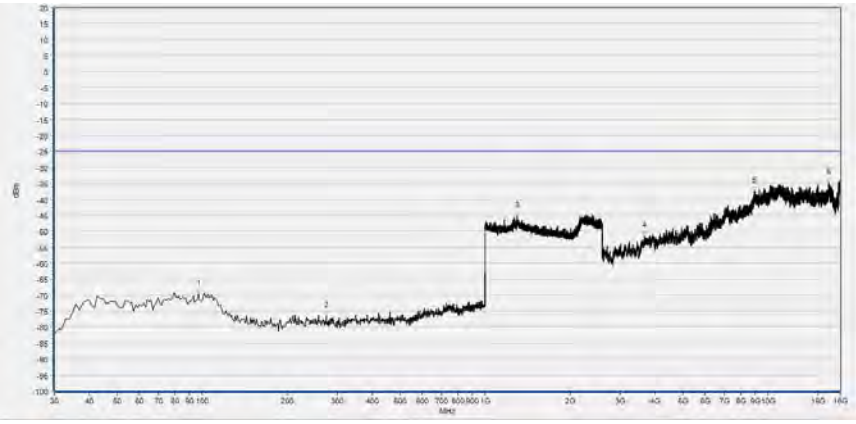


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	100.810	-69.19	-25.00	Vertical	PASS
2	254.070	-76.35	-25.00	Vertical	PASS
3	1307.963	-45.27	-25.00	Vertical	PASS
4	2286.915	-43.12	-25.00	Vertical	PASS
5	5064.448	-47.97	-25.00	Vertical	PASS
6	10808.292	-33.82	-25.00	Vertical	PASS

LTE Band 7, 20MHz BW, Mid Channel, QPSK

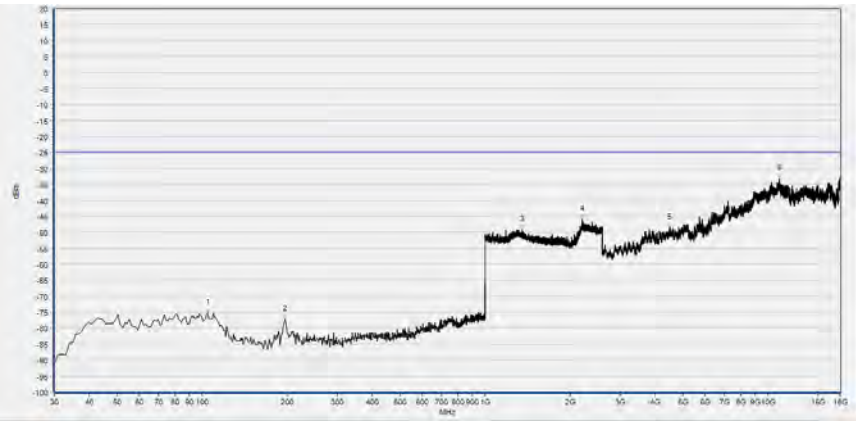


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	104.690	-74.98	-25.00	Horizontal	PASS
2	1231.773	-49.76	-25.00	Horizontal	PASS
3	2217.767	-47.06	-25.00	Horizontal	PASS
4	5089.653	-46.43	-25.00	Horizontal	PASS
5	7131.224	-40.61	-25.00	Horizontal	PASS
6	10326.605	-33.54	-25.00	Horizontal	PASS

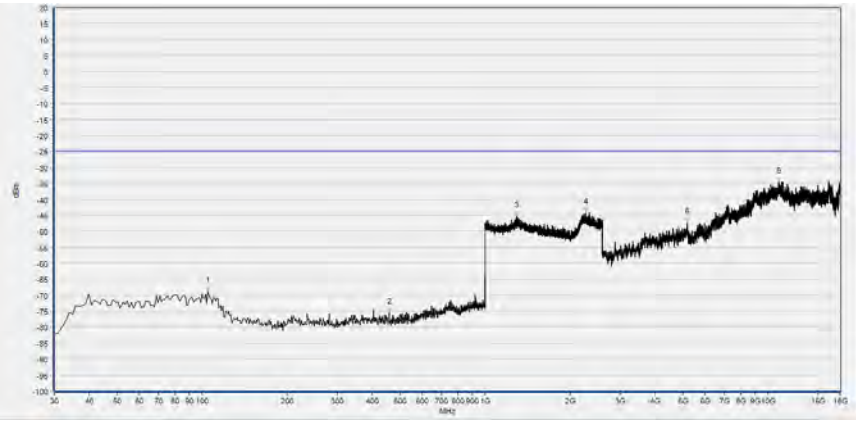


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	96.930	-69.58	-25.00	Vertical	PASS
2	274.440	-76.54	-25.00	Vertical	PASS
3	1297.719	-45.27	-25.00	Vertical	PASS
4	3658.592	-51.59	-25.00	Vertical	PASS
5	8973.959	-37.36	-25.00	Vertical	PASS
6	16378.505	-34.71	-25.00	Vertical	PASS

LTE Band 7, 20MHz BW, High Channel, QPSK

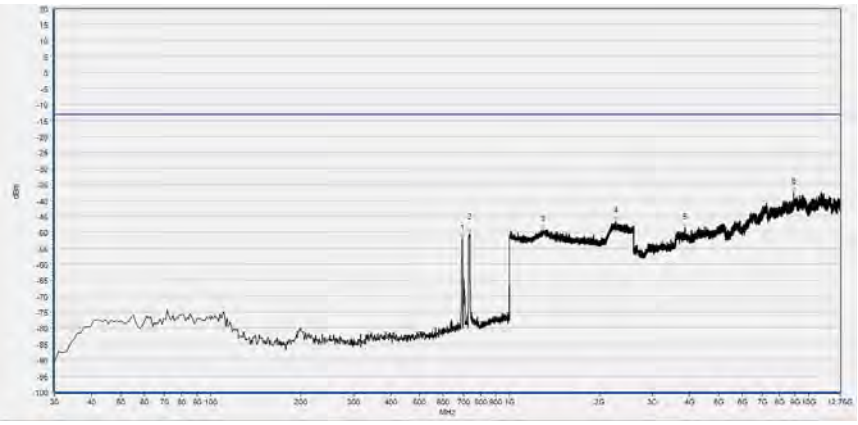


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	104.690	-75.24	-25.00	Horizontal	PASS
2	196.840	-77.31	-25.00	Horizontal	PASS
3	1355.982	-49.28	-25.00	Horizontal	PASS
4	2210.724	-45.98	-25.00	Horizontal	PASS
5	4495.945	-48.54	-25.00	Horizontal	PASS
6	10979.123	-33.19	-25.00	Horizontal	PASS

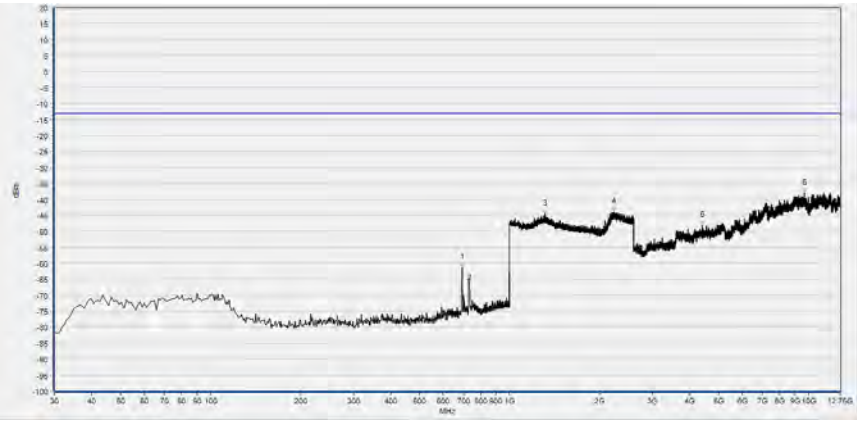


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	104.690	-68.65	-25.00	Vertical	PASS
2	457.770	-75.34	-25.00	Vertical	PASS
3	1292.597	-45.35	-25.00	Vertical	PASS
4	2271.549	-44.21	-25.00	Vertical	PASS
5	5190.471	-47.32	-25.00	Vertical	PASS
6	10920.313	-34.63	-25.00	Vertical	PASS

LTE Band 12, 10MHz BW, Low Channel, QPSK

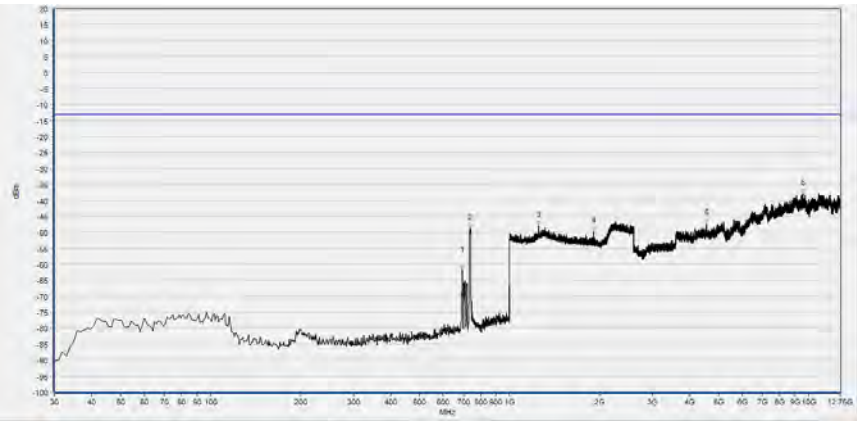


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	693.480	-51.99	-13.00	Horizontal	N/A
2	734.220	-50.68	-13.00	Horizontal	N/A
3	1290.676	-49.35	-13.00	Horizontal	PASS
4	2261.945	-46.63	-13.00	Horizontal	PASS
5	3868.058	-48.63	-13.00	Horizontal	PASS
6	8934.752	-37.39	-13.00	Horizontal	PASS

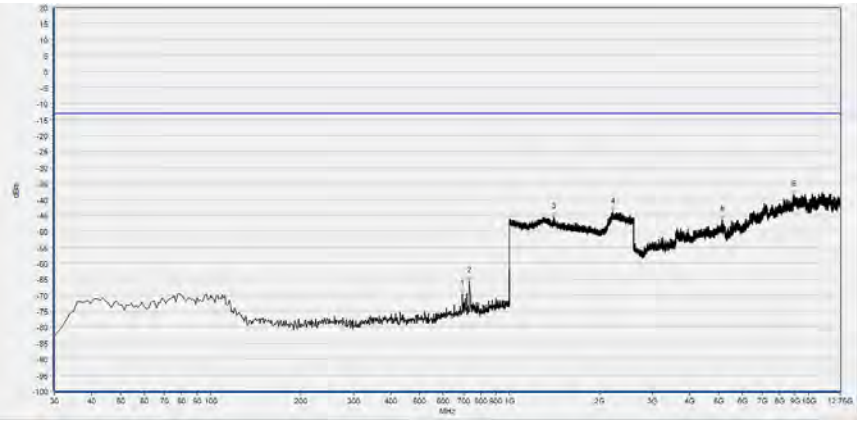


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	693.480	-61.30	-13.00	Vertical	N/A
2	732.280	-65.71	-13.00	Vertical	N/A
3	1315.646	-44.65	-13.00	Vertical	PASS
4	2229.292	-43.84	-13.00	Vertical	PASS
5	4414.412	-48.25	-13.00	Vertical	PASS
6	9702.600	-38.21	-13.00	Vertical	PASS

LTE Band 12, 10MHz BW, Mid Channel, QPSK

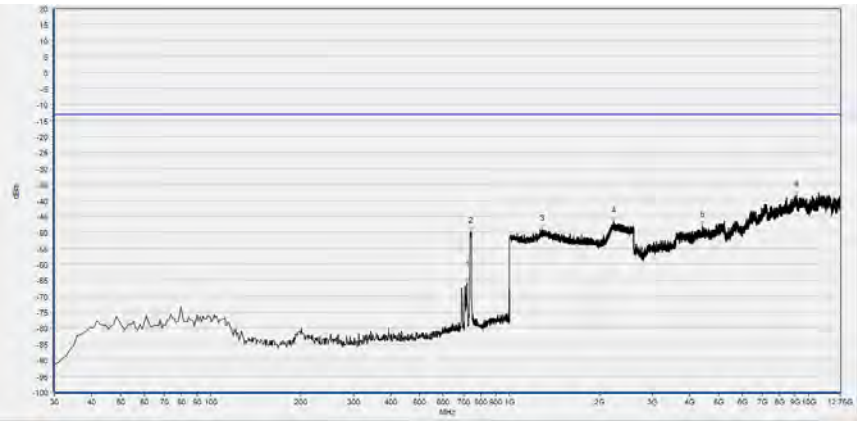


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	695.420	-61.64	-13.00	Horizontal	N/A
2	737.130	-48.82	-13.00	Horizontal	N/A
3	1252.901	-48.03	-13.00	Horizontal	PASS
4	1905.962	-49.70	-13.00	Horizontal	PASS
5	4558.383	-47.35	-13.00	Horizontal	PASS
6	9599.236	-37.97	-13.00	Horizontal	PASS

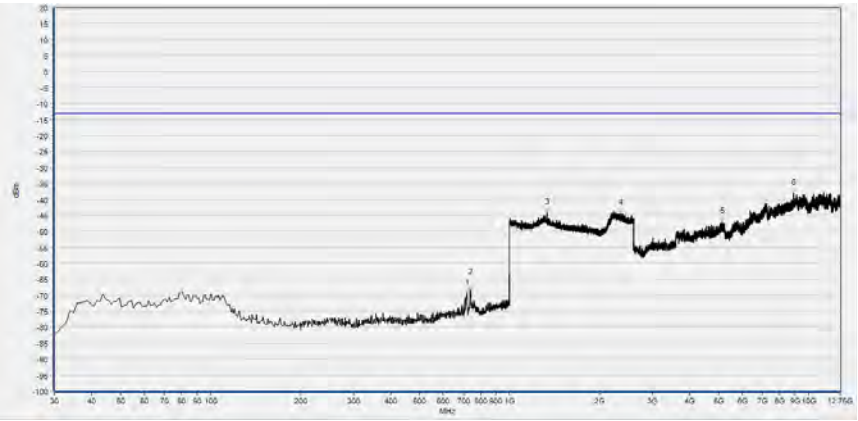


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	694.450	-69.56	-13.00	Vertical	N/A
2	733.250	-65.51	-13.00	Vertical	N/A
3	1401.441	-45.52	-13.00	Vertical	PASS
4	2210.724	-43.97	-13.00	Vertical	PASS
5	5143.499	-46.33	-13.00	Vertical	PASS
6	8919.985	-38.62	-13.00	Vertical	PASS

LTE Band 12, 10MHz BW, High Channel, QPSK

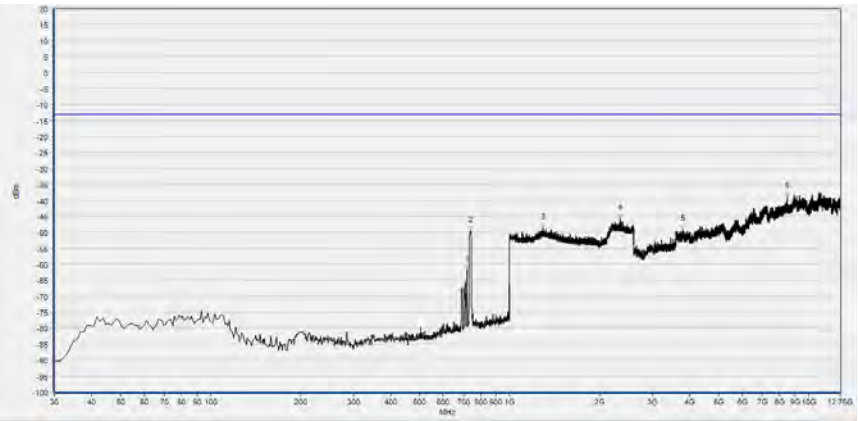


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	719.670	-65.77	-13.00	Horizontal	N/A
2	740.040	-49.65	-13.00	Horizontal	N/A
3	1288.115	-48.95	-13.00	Horizontal	PASS
4	2226.731	-46.57	-13.00	Horizontal	PASS
5	4410.720	-48.01	-13.00	Horizontal	PASS
6	9095.336	-38.33	-13.00	Horizontal	PASS

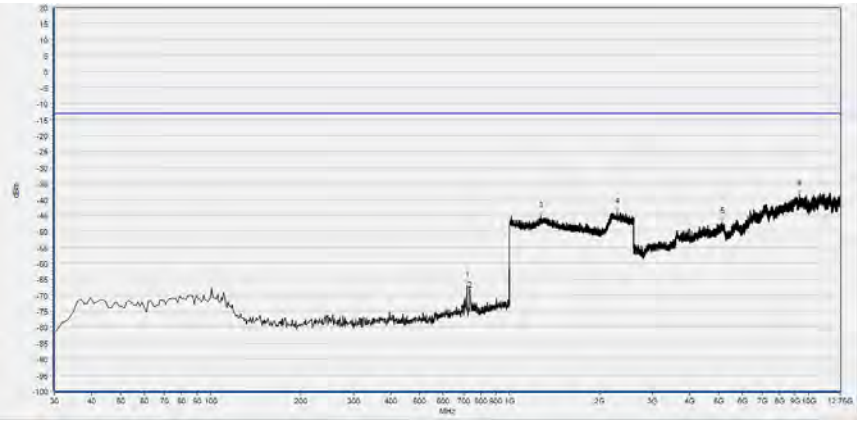


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	719.670	-69.30	-13.00	Vertical	N/A
2	740.040	-68.44	-13.00	Vertical	N/A
3	1332.933	-44.10	-13.00	Vertical	PASS
4	2348.379	-44.29	-13.00	Vertical	PASS
5	5136.116	-47.05	-13.00	Vertical	PASS
6	8908.911	-38.02	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, Low Channel, QPSK

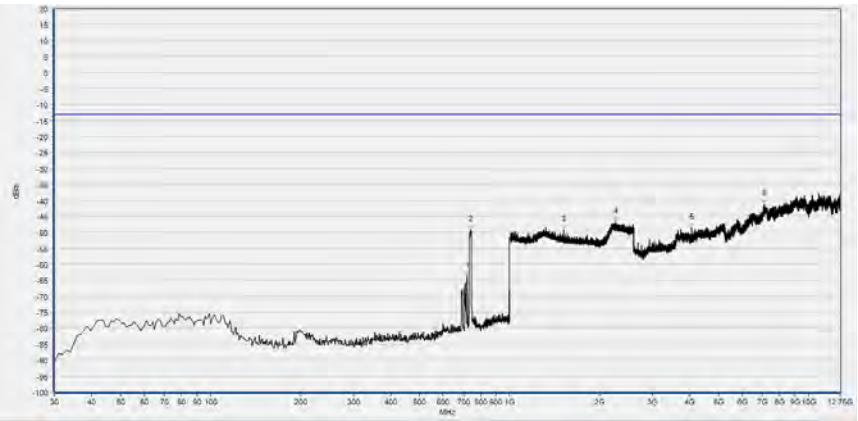


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	719.670	-61.89	-13.00	Horizontal	N/A
2	741.010	-49.61	-13.00	Horizontal	N/A
3	1291.317	-48.63	-13.00	Horizontal	PASS
4	2343.257	-45.81	-13.00	Horizontal	PASS
5	3801.609	-49.15	-13.00	Horizontal	PASS
6	8465.921	-38.74	-13.00	Horizontal	PASS

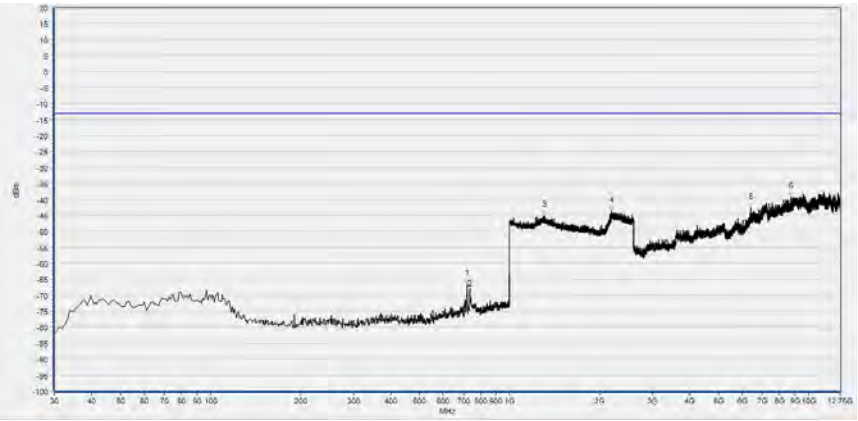


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	720.640	-66.93	-13.00	Vertical	N/A
2	736.160	-68.82	-13.00	Vertical	N/A
3	1268.908	-45.16	-13.00	Vertical	PASS
4	2292.037	-43.80	-13.00	Vertical	PASS
5	5145.345	-47.14	-13.00	Vertical	PASS
6	9320.522	-38.44	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, Mid Channel, QPSK

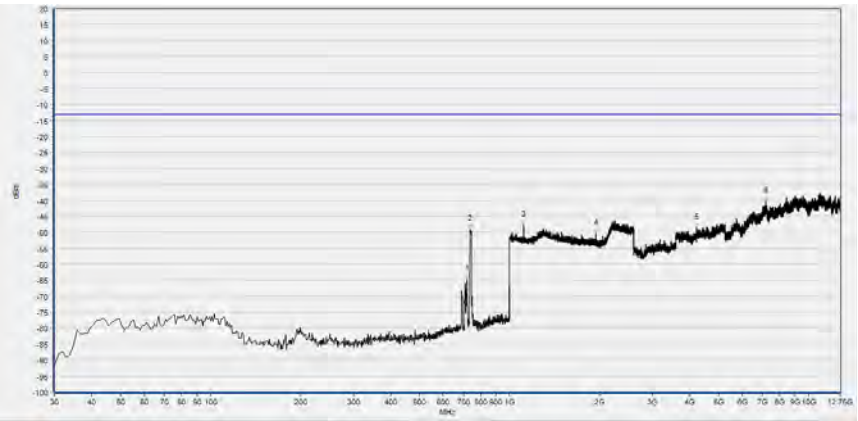


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	721.610	-63.88	-13.00	Horizontal	N/A
2	741.010	-49.37	-13.00	Horizontal	N/A
3	1516.687	-49.35	-13.00	Horizontal	PASS
4	2262.585	-46.72	-13.00	Horizontal	PASS
5	4069.249	-48.51	-13.00	Horizontal	PASS
6	7127.723	-41.30	-13.00	Horizontal	PASS

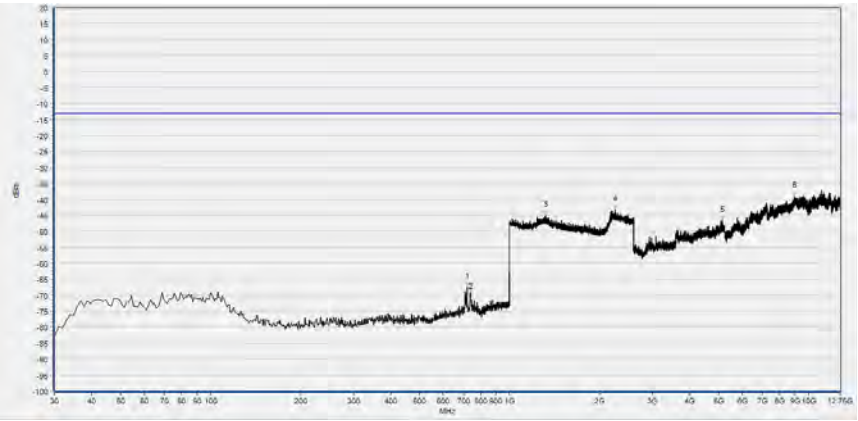


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	721.610	-66.57	-13.00	Vertical	N/A
2	737.130	-67.98	-13.00	Vertical	N/A
3	1307.323	-45.12	-13.00	Vertical	PASS
4	2194.078	-43.73	-13.00	Vertical	PASS
5	6407.865	-42.68	-13.00	Vertical	PASS
6	8731.715	-39.30	-13.00	Vertical	PASS

LTE Band 17, 10MHz BW, High Channel, QPSK

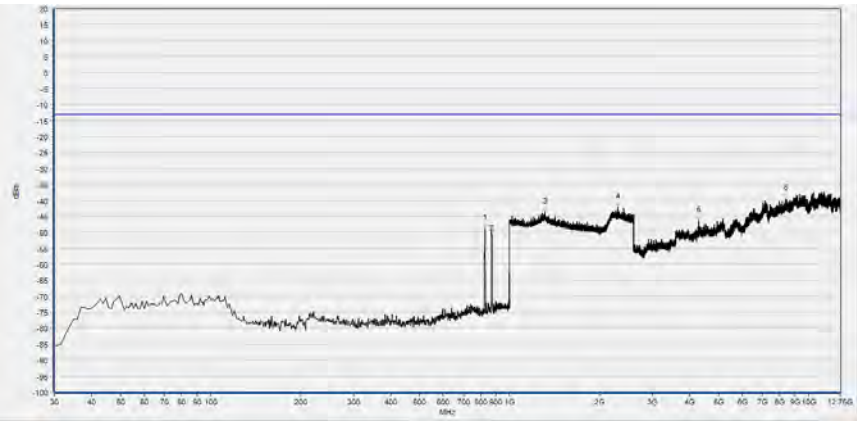


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	719.670	-64.62	-13.00	Horizontal	N/A
2	739.070	-49.04	-13.00	Horizontal	N/A
3	1114.606	-47.75	-13.00	Horizontal	PASS
4	1941.817	-50.39	-13.00	Horizontal	PASS
5	4209.529	-48.54	-13.00	Horizontal	PASS
6	7181.251	-40.40	-13.00	Horizontal	PASS

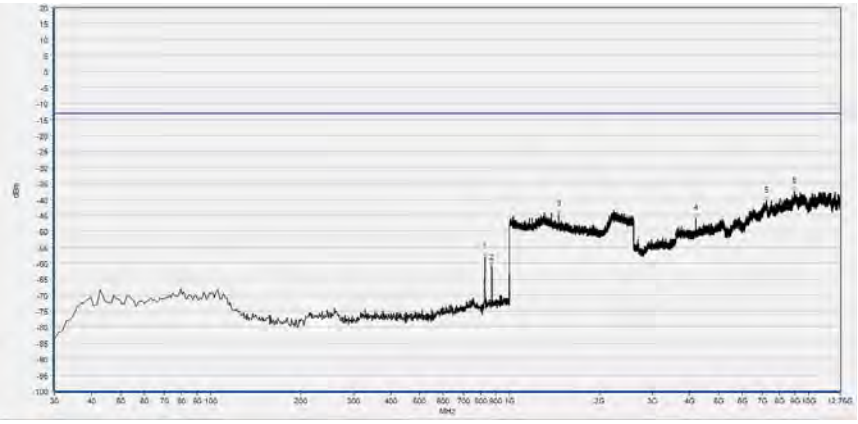


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	720.640	-67.33	-13.00	Vertical	N/A
2	740.040	-69.25	-13.00	Vertical	N/A
3	1320.768	-45.02	-13.00	Vertical	PASS
4	2247.859	-43.35	-13.00	Vertical	PASS
5	5154.574	-46.62	-13.00	Vertical	PASS
6	8953.210	-38.97	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, Low Channel, QPSK

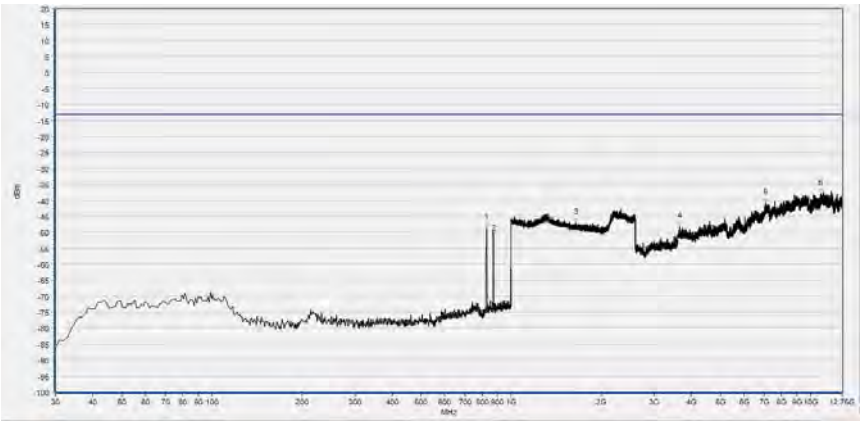


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-48.85	-13.00	Horizontal	N/A
2	870.990	-49.28	-13.00	Horizontal	N/A
3	1313.725	-43.78	-13.00	Horizontal	PASS
4	2306.763	-42.21	-13.00	Horizontal	PASS
5	4290.744	-46.29	-13.00	Horizontal	PASS
6	8373.632	-39.50	-13.00	Horizontal	PASS

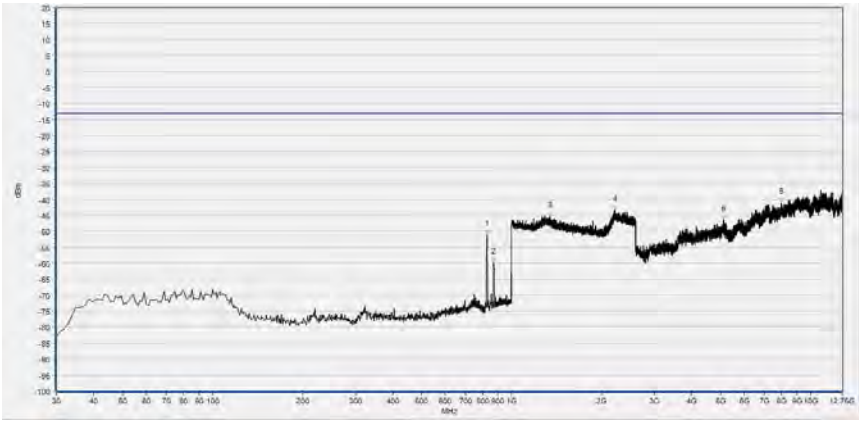


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-58.28	-13.00	Vertical	N/A
2	871.960	-60.93	-13.00	Vertical	N/A
3	1455.222	-44.90	-13.00	Vertical	PASS
4	4198.454	-45.97	-13.00	Vertical	PASS
5	7242.162	-40.47	-13.00	Vertical	PASS
6	8951.364	-37.47	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, Mid Channel, QPSK

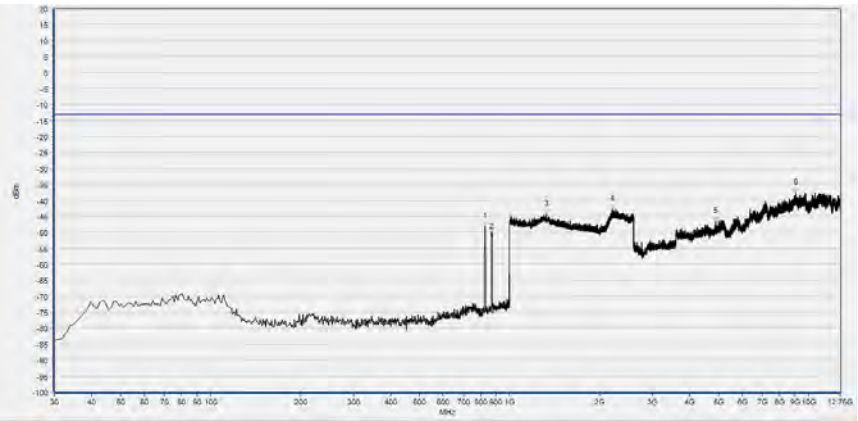


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-48.86	-13.00	Horizontal	PASS
2	872.930	-51.15	-13.00	Horizontal	PASS
3	1649.860	-46.96	-13.00	Horizontal	PASS
4	3648.409	-48.15	-13.00	Horizontal	PASS
5	7087.116	-40.70	-13.00	Horizontal	PASS
6	10815.612	-37.86	-13.00	Horizontal	PASS

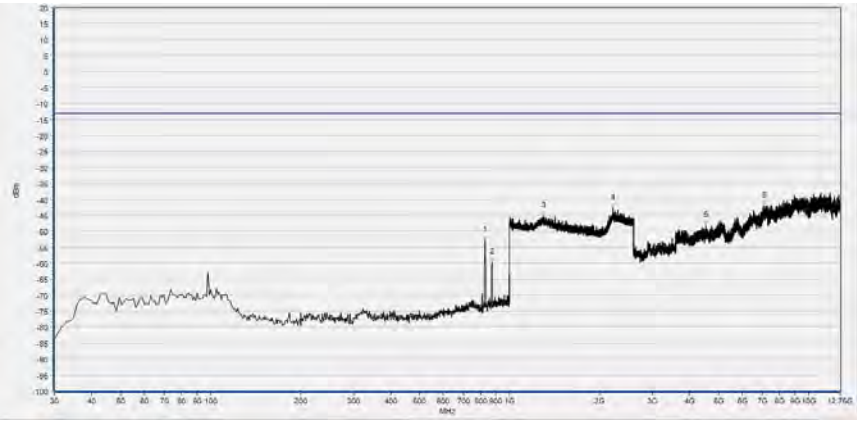


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-51.03	-13.00	Vertical	N/A
2	871.960	-59.68	-13.00	Vertical	N/A
3	1341.897	-45.20	-13.00	Vertical	PASS
4	2213.285	-43.20	-13.00	Vertical	PASS
5	5106.583	-46.28	-13.00	Vertical	PASS
6	7973.095	-41.08	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, High Channel, QPSK

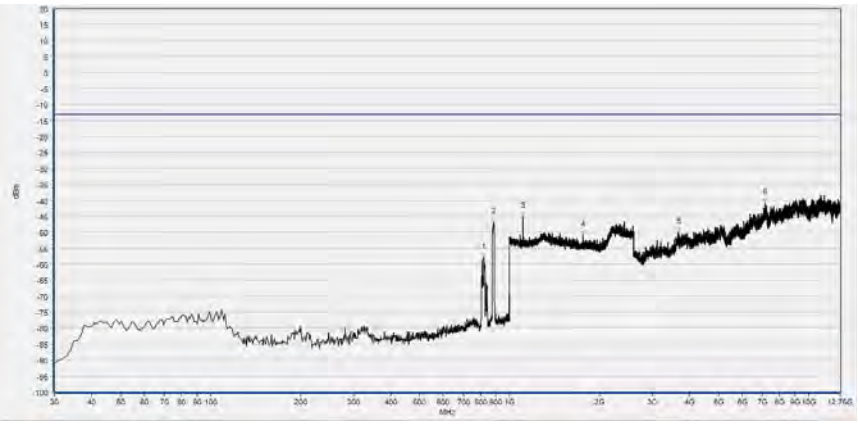


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	828.310	-48.22	-13.00	Horizontal	N/A
2	870.990	-49.99	-13.00	Horizontal	N/A
3	1326.531	-44.31	-13.00	Horizontal	PASS
4	2205.602	-42.87	-13.00	Horizontal	PASS
5	4903.546	-46.69	-13.00	Horizontal	PASS
6	9054.728	-37.62	-13.00	Horizontal	PASS

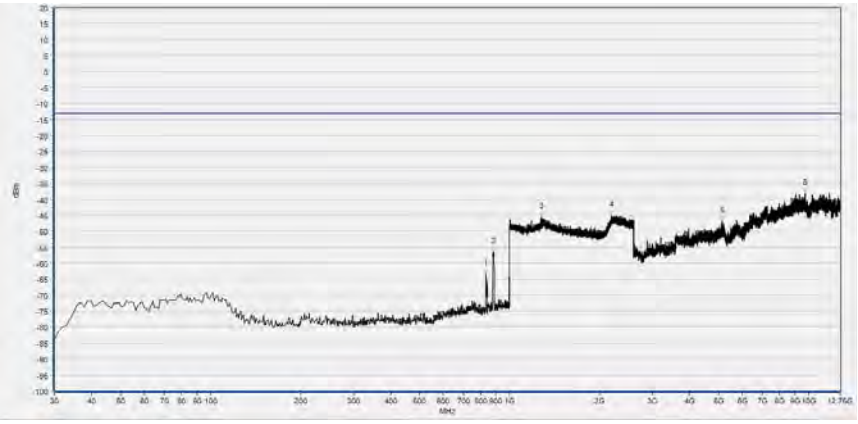


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-52.92	-13.00	Vertical	N/A
2	872.930	-59.83	-13.00	Vertical	N/A
3	1298.359	-45.28	-13.00	Vertical	PASS
4	2220.968	-42.68	-13.00	Vertical	PASS
5	4523.313	-48.17	-13.00	Vertical	PASS
6	7131.415	-42.16	-13.00	Vertical	PASS

LTE Band 19, 15MHz BW, Mid Channel, QPSK

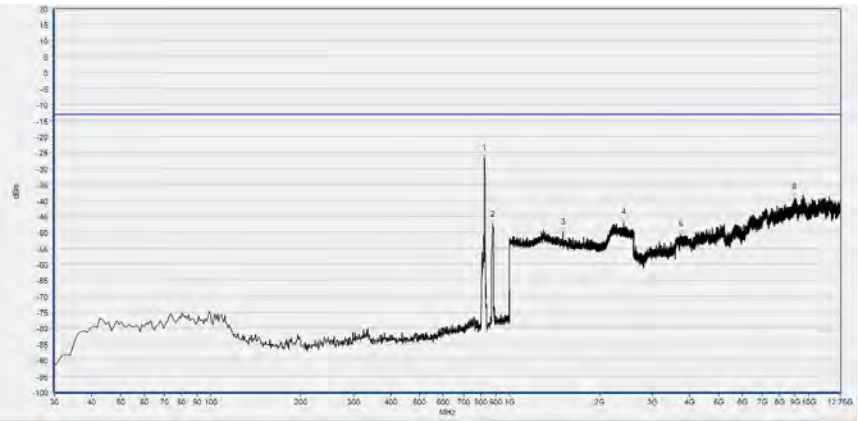


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	819.580	-57.70	-13.00	Horizontal	N/A
2	885.540	-46.92	-13.00	Horizontal	N/A
3	1107.563	-45.09	-13.00	Horizontal	PASS
4	1760.624	-50.84	-13.00	Horizontal	PASS
5	3674.250	-49.99	-13.00	Horizontal	PASS
6	7140.644	-40.80	-13.00	Horizontal	PASS

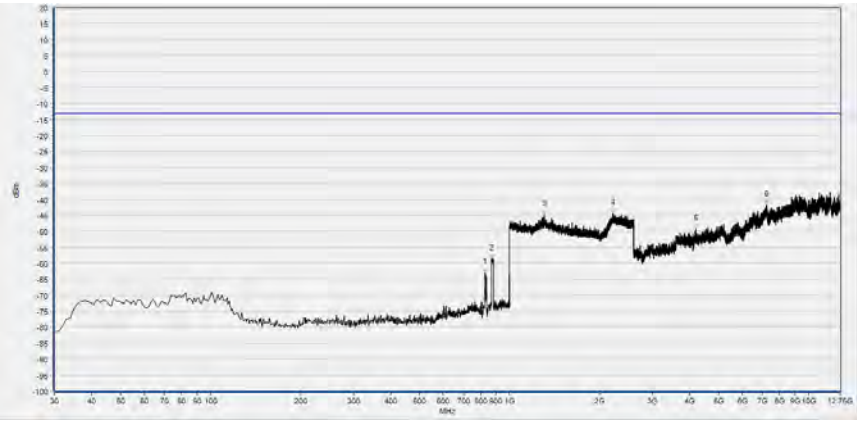


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	834.130	-63.41	-13.00	Vertical	N/A
2	882.630	-56.53	-13.00	Vertical	N/A
3	1280.432	-45.52	-13.00	Vertical	PASS
4	2188.315	-44.96	-13.00	Vertical	PASS
5	5152.728	-46.86	-13.00	Vertical	PASS
6	9717.367	-38.03	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, Low Channel, QPSK

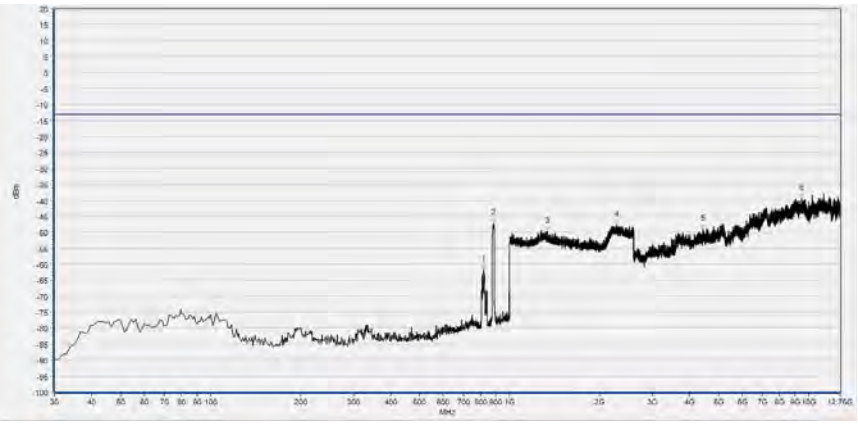


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	825.400	-26.85	-13.00	Horizontal	N/A
2	878.750	-47.71	-13.00	Horizontal	N/A
3	1506.443	-50.15	-13.00	Horizontal	PASS
4	2411.124	-47.07	-13.00	Horizontal	PASS
5	3733.315	-50.85	-13.00	Horizontal	PASS
6	8958.747	-39.22	-13.00	Horizontal	PASS

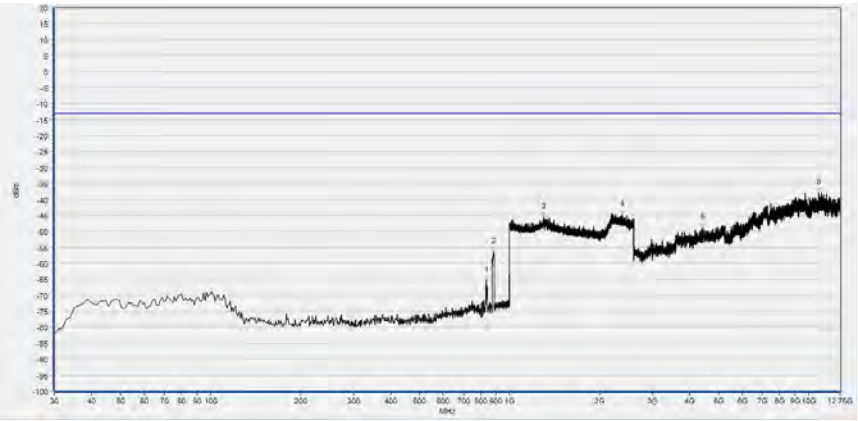


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	827.340	-62.83	-13.00	Vertical	N/A
2	870.990	-58.64	-13.00	Vertical	N/A
3	1303.481	-44.73	-13.00	Vertical	PASS
4	2219.688	-44.42	-13.00	Vertical	PASS
5	4191.071	-49.33	-13.00	Vertical	PASS
6	7218.167	-41.63	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, Mid Channel, QPSK

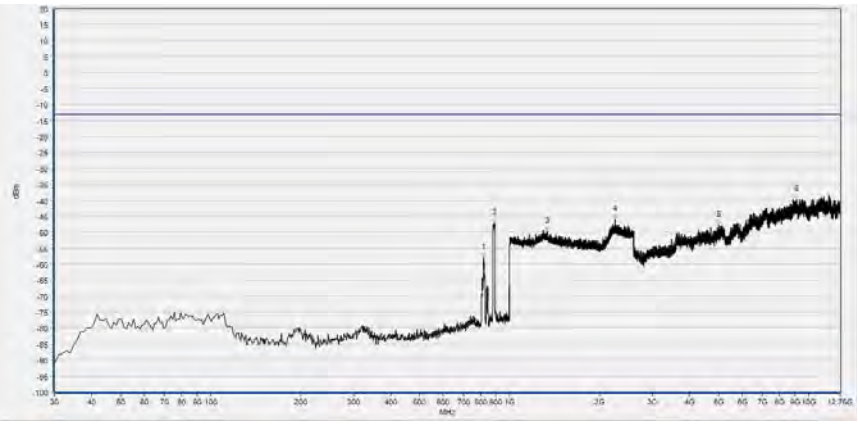


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	818.610	-61.68	-13.00	Horizontal	N/A
2	883.600	-47.17	-13.00	Horizontal	N/A
3	1334.214	-49.72	-13.00	Horizontal	PASS
4	2273.469	-47.74	-13.00	Horizontal	PASS
5	4440.253	-49.16	-13.00	Horizontal	PASS
6	9479.260	-39.46	-13.00	Horizontal	PASS

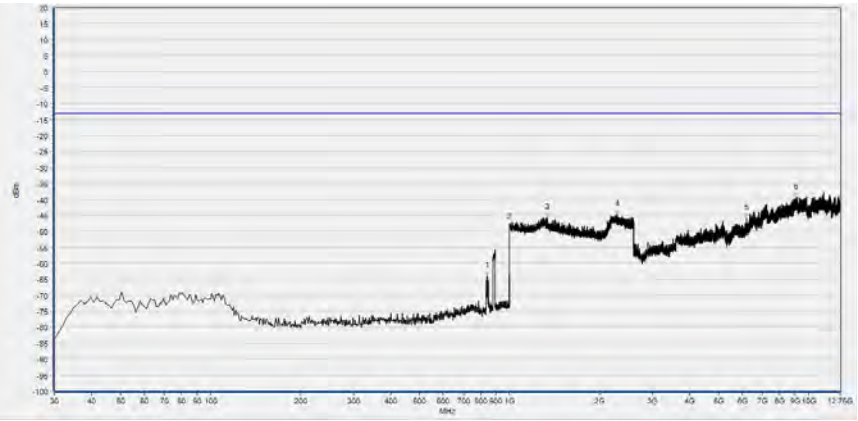


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	835.100	-65.25	-13.00	Vertical	N/A
2	885.540	-56.36	-13.00	Vertical	N/A
3	1297.079	-45.52	-13.00	Vertical	PASS
4	2376.551	-44.77	-13.00	Vertical	PASS
5	4442.099	-48.77	-13.00	Vertical	PASS
6	10804.537	-37.94	-13.00	Vertical	PASS

LTE Band 26, 15MHz BW, High Channel, QPSK

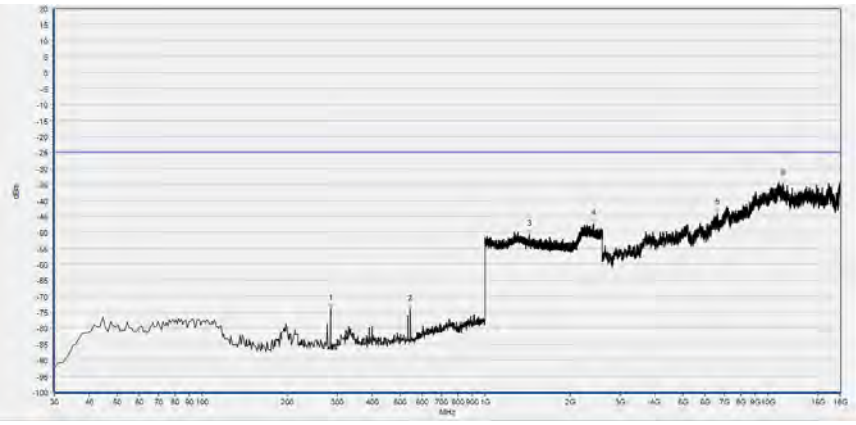


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	820.550	-58.03	-13.00	Horizontal	N/A
2	888.450	-47.20	-13.00	Horizontal	N/A
3	1338.055	-49.80	-13.00	Horizontal	PASS
4	2254.262	-46.01	-13.00	Horizontal	PASS
5	4999.527	-47.77	-13.00	Horizontal	PASS
6	9134.097	-39.70	-13.00	Horizontal	PASS

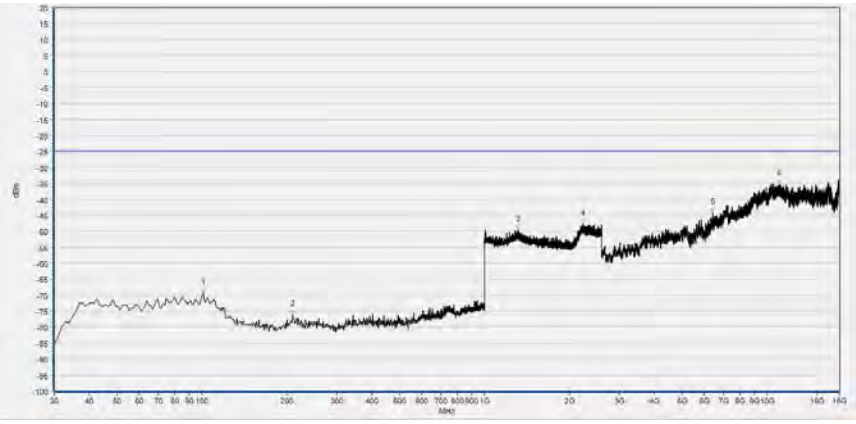


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	842.860	-64.07	-13.00	Vertical	N/A
2	1000.640	-48.87	-13.00	Vertical	N/A
3	1334.854	-45.73	-13.00	Vertical	PASS
4	2293.958	-44.80	-13.00	Vertical	PASS
5	6204.828	-46.03	-13.00	Vertical	PASS
6	9084.261	-39.53	-13.00	Vertical	PASS

LTE Band 38, 20MHz BW, Low Channel, QPSK

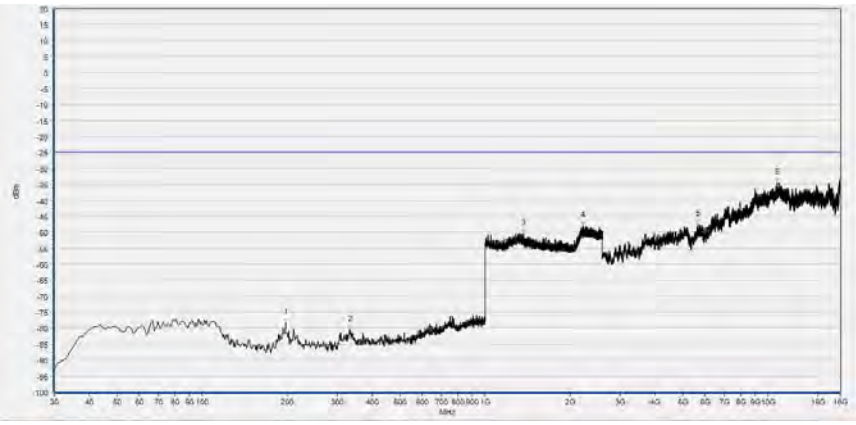


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	284.394	-73.94	-25.00	Horizontal	PASS
2	544.615	-74.09	-25.00	Horizontal	PASS
3	1430.544	-50.62	-25.00	Horizontal	PASS
4	2426.075	-47.36	-25.00	Horizontal	PASS
5	6617.123	-43.92	-25.00	Horizontal	PASS
6	11302.741	-34.65	-25.00	Horizontal	PASS

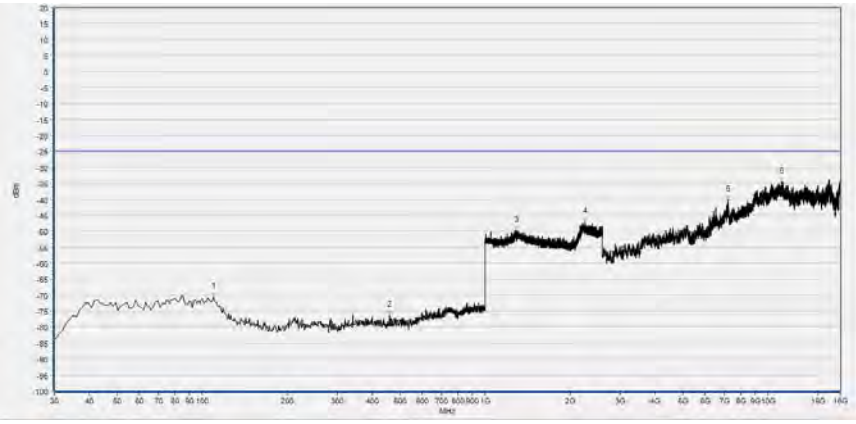


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	100.881	-69.49	-25.00	Vertical	PASS
2	209.630	-76.05	-25.00	Vertical	PASS
3	1314.772	-49.53	-25.00	Vertical	PASS
4	2236.679	-47.76	-25.00	Vertical	PASS
5	6429.206	-44.09	-25.00	Vertical	PASS
6	11022.404	-35.18	-25.00	Vertical	PASS

LTE Band 38, 20MHz BW, Mid Channel, QPSK

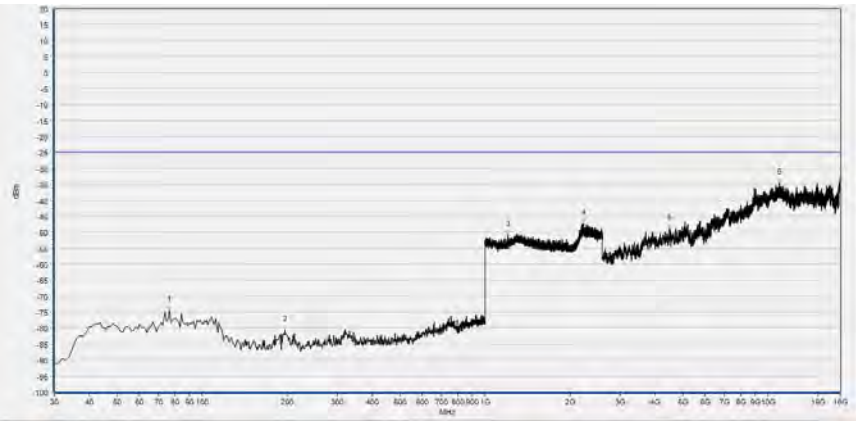


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	197.007	-78.26	-25.00	Horizontal	PASS
2	333.914	-80.65	-25.00	Horizontal	PASS
3	1365.455	-50.33	-25.00	Horizontal	PASS
4	2213.204	-48.02	-25.00	Horizontal	PASS
5	5643.649	-47.59	-25.00	Horizontal	PASS
6	10816.003	-34.53	-25.00	Horizontal	PASS

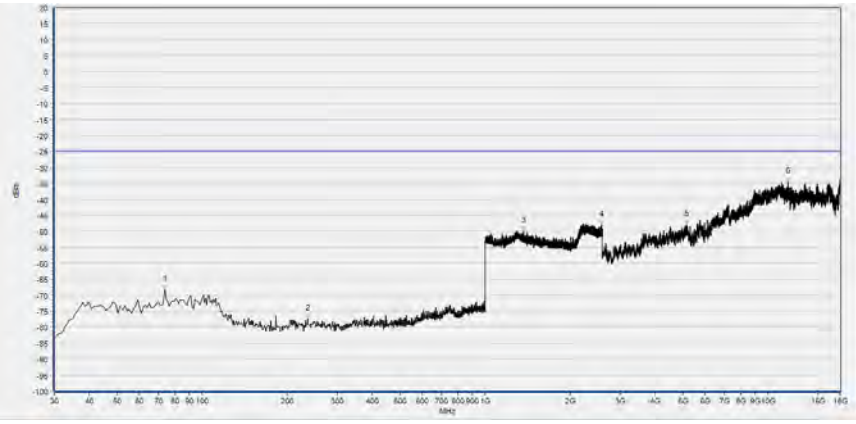


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	109.620	-70.49	-25.00	Vertical	PASS
2	459.169	-76.38	-25.00	Vertical	PASS
3	1292.364	-49.76	-25.00	Vertical	PASS
4	2262.287	-47.05	-25.00	Vertical	PASS
5	7242.488	-40.18	-25.00	Vertical	PASS
6	11151.790	-34.60	-25.00	Vertical	PASS

LTE Band 38, 20MHz BW, High Channel, QPSK

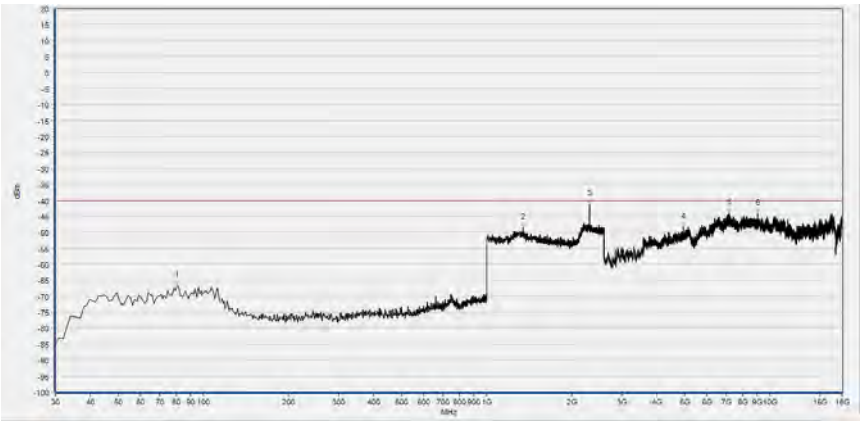


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	76.607	-74.54	-25.00	Horizontal	PASS
2	196.036	-80.62	-25.00	Horizontal	PASS
3	1205.935	-50.86	-25.00	Horizontal	PASS
4	2230.810	-47.37	-25.00	Horizontal	PASS
5	4482.256	-48.83	-25.00	Horizontal	PASS
6	10985.437	-34.61	-25.00	Horizontal	PASS

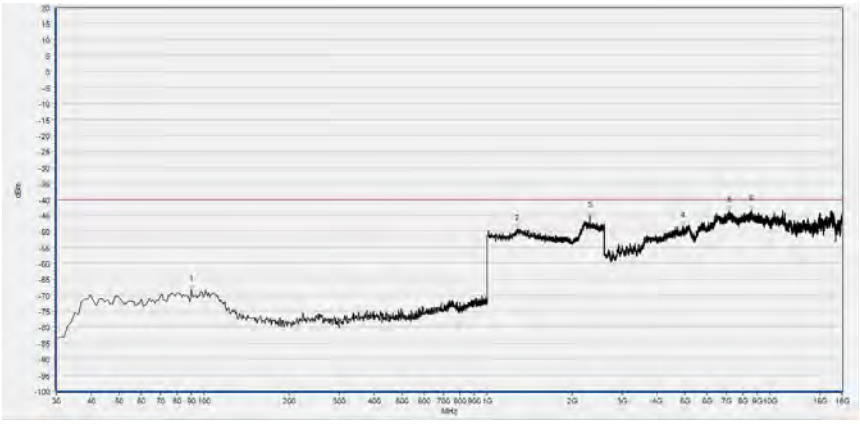


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	73.694	-68.32	-25.00	Vertical	PASS
2	235.846	-77.40	-25.00	Vertical	PASS
3	1371.324	-50.03	-25.00	Vertical	PASS
4	2581.861	-47.87	-25.00	Vertical	PASS
5	5153.831	-48.00	-25.00	Vertical	PASS
6	11749.430	-34.47	-25.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, Low Channel, QPSK

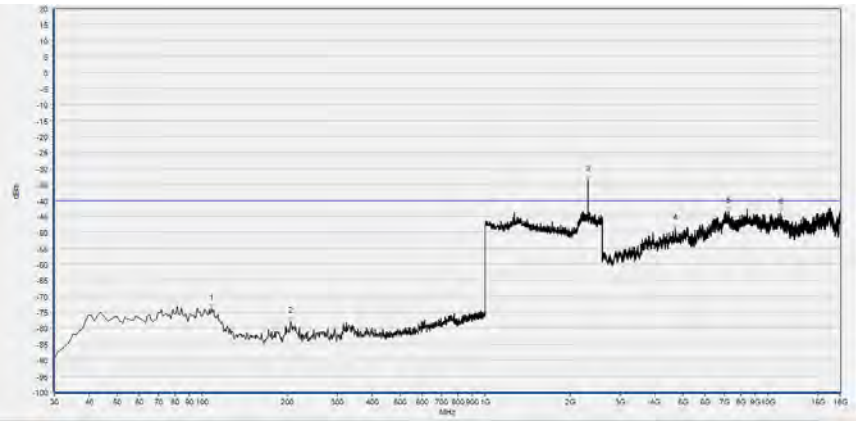


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-73.33	-40.00	Horizontal	PASS
2	214.484	-76.85	-40.00	Horizontal	PASS
3	2306.907	-36.89	-40.00	Horizontal	N/A
4	5042.929	-48.90	-40.00	Horizontal	PASS
5	7957.191	-44.04	-40.00	Horizontal	PASS
6	15021.044	-43.10	-40.00	Horizontal	PASS

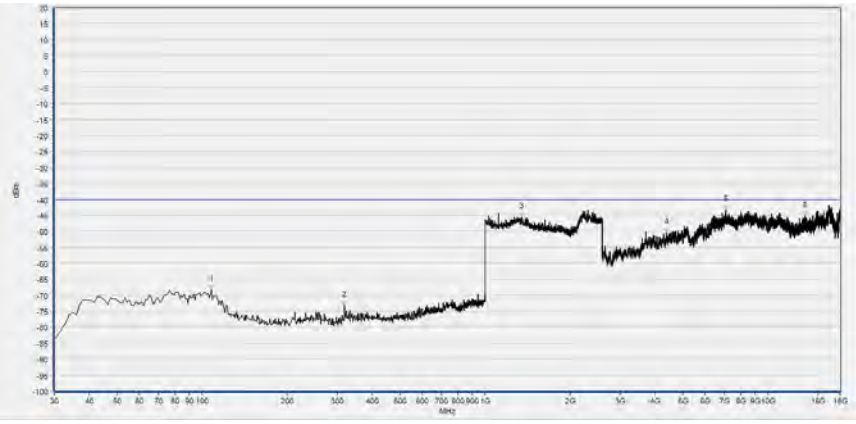


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	369.840	-71.10	-40.00	Vertical	PASS
2	481.502	-71.96	-40.00	Vertical	PASS
3	1285.085	-45.25	-40.00	Vertical	PASS
4	2306.907	-42.66	-40.00	Vertical	N/A
5	7264.053	-43.30	-40.00	Vertical	PASS
6	10979.276	-44.28	-40.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, Mid Channel, QPSK

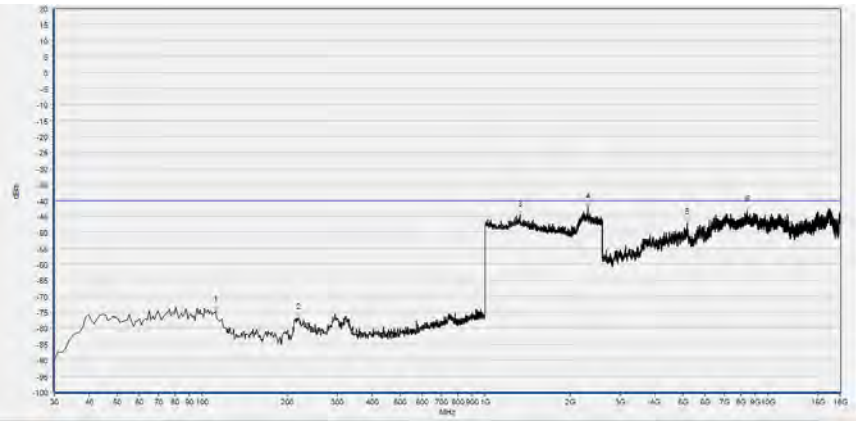


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.678	-73.89	-40.00	Horizontal	PASS
2	205.746	-77.83	-40.00	Horizontal	PASS
3	2308.509	-33.64	-40.00	Horizontal	N/A
4	4710.222	-48.81	-40.00	Horizontal	PASS
5	7279.456	-43.48	-40.00	Horizontal	PASS
6	11136.387	-43.95	-40.00	Horizontal	PASS

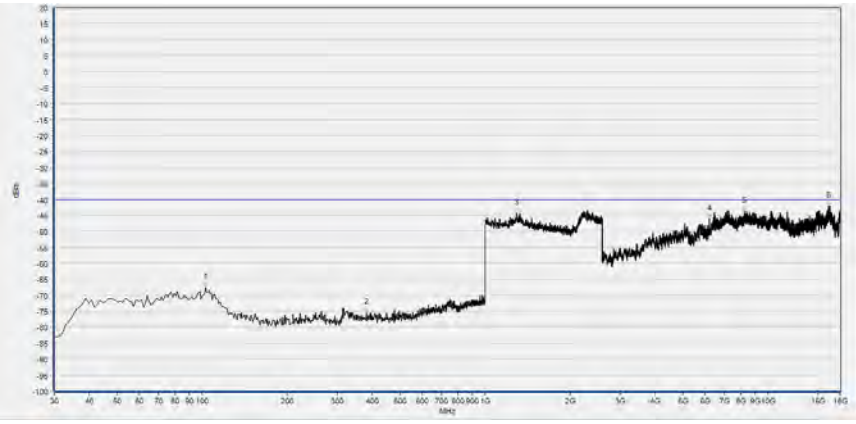


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.678	-68.34	-40.00	Vertical	PASS
2	318.378	-73.14	-40.00	Vertical	PASS
3	1347.548	-45.47	-40.00	Vertical	PASS
4	4380.596	-50.32	-40.00	Vertical	PASS
5	7110.022	-43.17	-40.00	Vertical	PASS
6	13548.510	-45.21	-40.00	Vertical	PASS

LTE Band 40, Block A, 5MHz BW, High Channel, QPSK

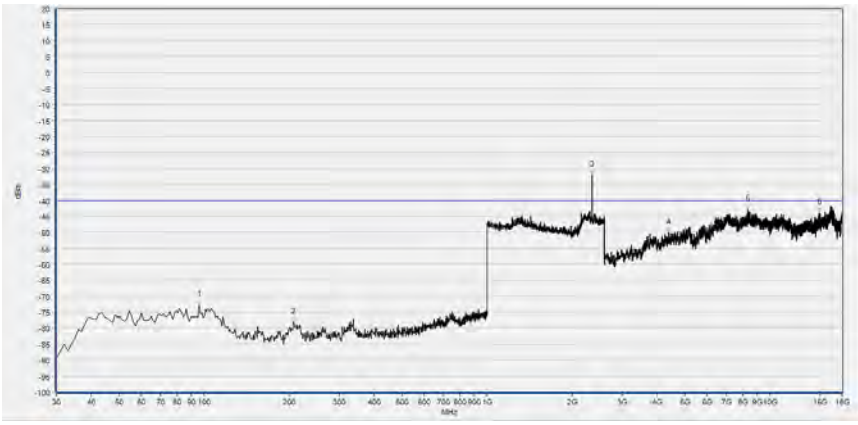


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	111.562	-74.44	-40.00	Horizontal	PASS
2	219.339	-76.86	-40.00	Horizontal	PASS
3	1328.328	-44.66	-40.00	Horizontal	PASS
4	2311.712	-42.11	-40.00	Horizontal	N/A
5	5196.959	-47.01	-40.00	Horizontal	PASS
6	8434.687	-43.08	-40.00	Horizontal	PASS

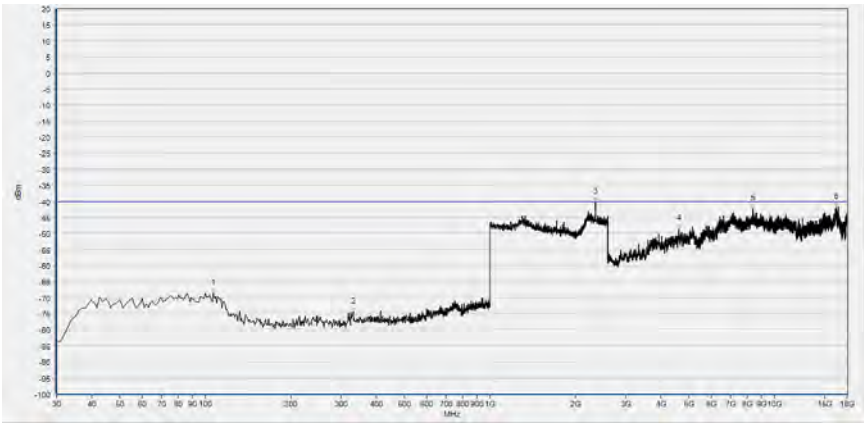


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-67.67	-40.00	Vertical	PASS
2	380.521	-75.51	-40.00	Vertical	PASS
3	1291.491	-44.46	-40.00	Vertical	PASS
4	6207.401	-46.21	-40.00	Vertical	PASS
5	8274.495	-43.76	-40.00	Vertical	PASS
6	16398.080	-42.20	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, Low Channel, QPSK

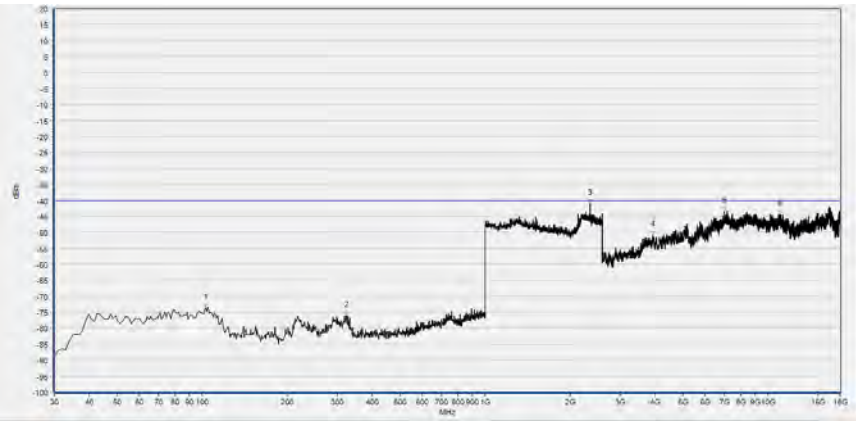


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	96.026	-72.81	-40.00	Horizontal	PASS
2	206.717	-78.21	-40.00	Horizontal	PASS
3	2353.353	-32.02	-40.00	Horizontal	N/A
4	4392.919	-50.06	-40.00	Horizontal	PASS
5	8357.672	-42.76	-40.00	Horizontal	PASS
6	14916.303	-43.98	-40.00	Horizontal	PASS

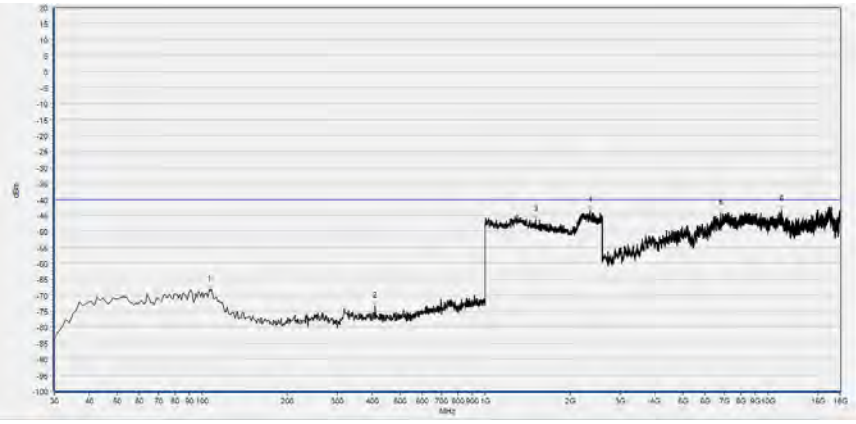


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	106.707	-68.68	-40.00	Vertical	PASS
2	331.001	-74.48	-40.00	Vertical	PASS
3	2354.955	-40.40	-40.00	Vertical	N/A
4	4620.884	-48.51	-40.00	Vertical	PASS
5	8413.123	-42.40	-40.00	Vertical	PASS
6	16527.465	-41.82	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, Mid Channel, QPSK

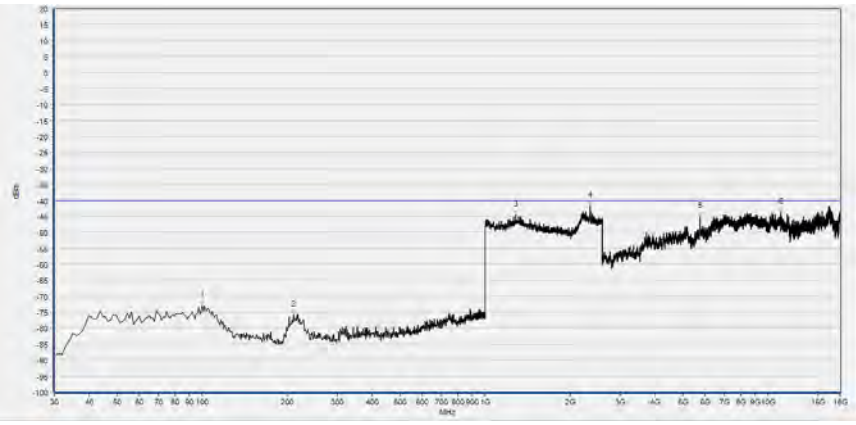


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	102.823	-73.67	-40.00	Horizontal	PASS
2	323.233	-76.01	-40.00	Horizontal	PASS
3	2354.955	-41.12	-40.00	Horizontal	N/A
4	3930.826	-50.78	-40.00	Horizontal	PASS
5	7029.926	-43.58	-40.00	Horizontal	PASS
6	11025.485	-44.26	-40.00	Horizontal	PASS

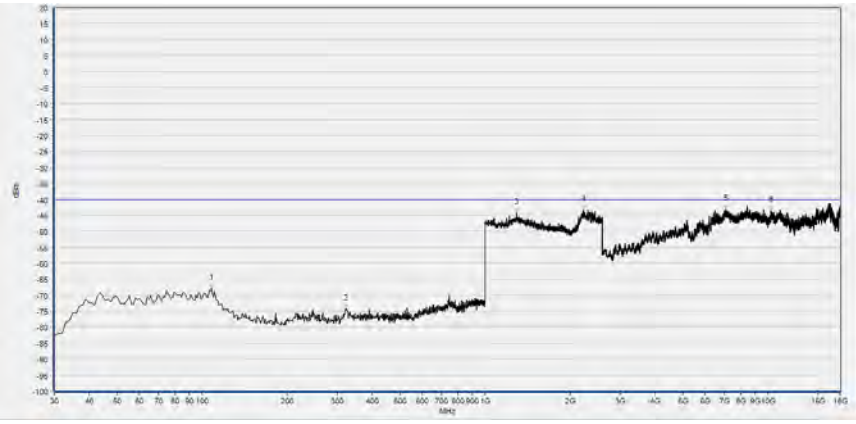


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	105.736	-68.23	-40.00	Vertical	PASS
2	408.679	-73.32	-40.00	Vertical	PASS
3	1509.309	-46.45	-40.00	Vertical	PASS
4	2356.557	-43.54	-40.00	Vertical	N/A
5	6817.363	-44.44	-40.00	Vertical	PASS
6	11164.113	-43.33	-40.00	Vertical	PASS

LTE Band 40, Block B, 5MHz BW, High Channel, QPSK

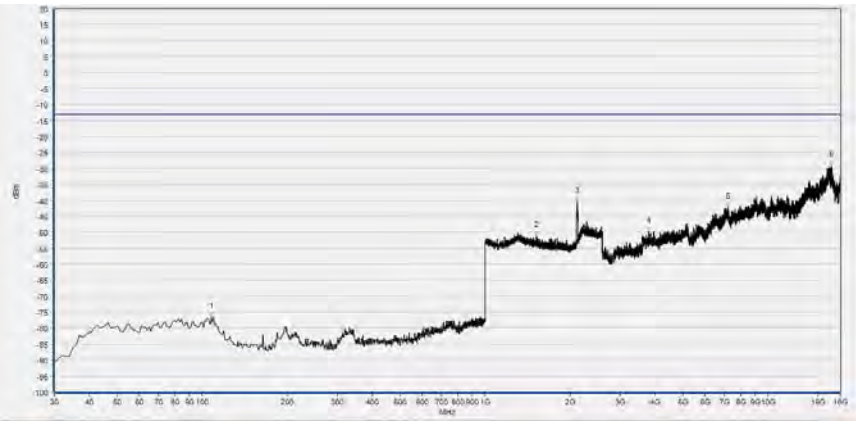


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	99.910	-72.98	-40.00	Horizontal	PASS
2	210.601	-75.96	-40.00	Horizontal	PASS
3	1281.882	-44.52	-40.00	Horizontal	PASS
4	2356.557	-41.74	-40.00	Horizontal	N/A
5	5760.712	-45.13	-40.00	Horizontal	PASS
6	11136.387	-43.72	-40.00	Horizontal	PASS

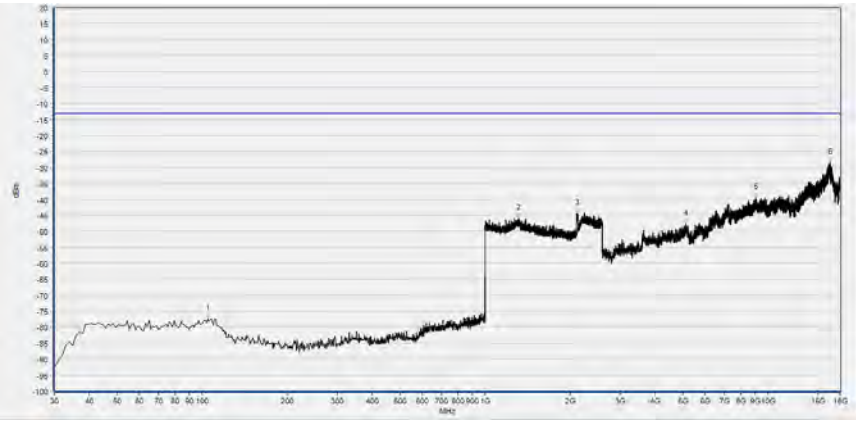


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.678	-67.77	-40.00	Vertical	PASS
2	321.291	-74.21	-40.00	Vertical	PASS
3	1289.890	-44.14	-40.00	Vertical	PASS
4	2234.835	-43.32	-40.00	Vertical	PASS
5	7103.861	-43.01	-40.00	Vertical	PASS
6	10233.767	-43.39	-40.00	Vertical	PASS

LTE Band 66, 20MHz BW, Low Channel, QPSK

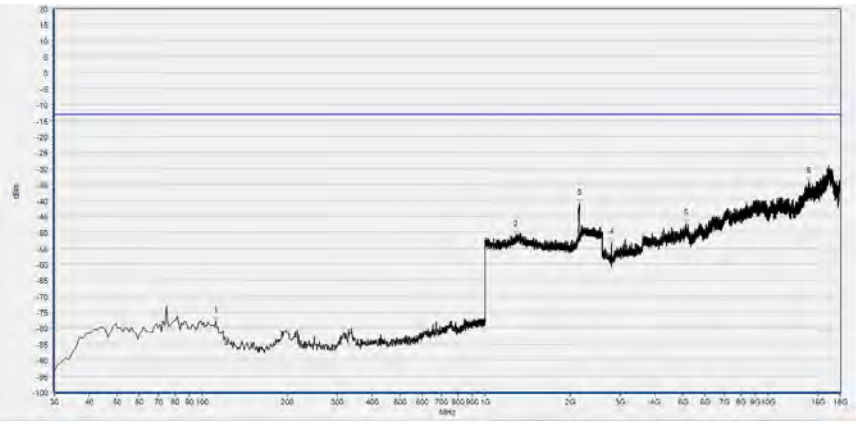


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	107.678	-76.53	-13.00	Horizontal	PASS
2	1517.859	-51.12	-13.00	Horizontal	PASS
3	2114.957	-40.29	-13.00	Horizontal	N/A
4	3788.565	-49.68	-13.00	Horizontal	PASS
5	7243.874	-42.11	-13.00	Horizontal	PASS
6	16754.959	-29.17	-13.00	Horizontal	PASS

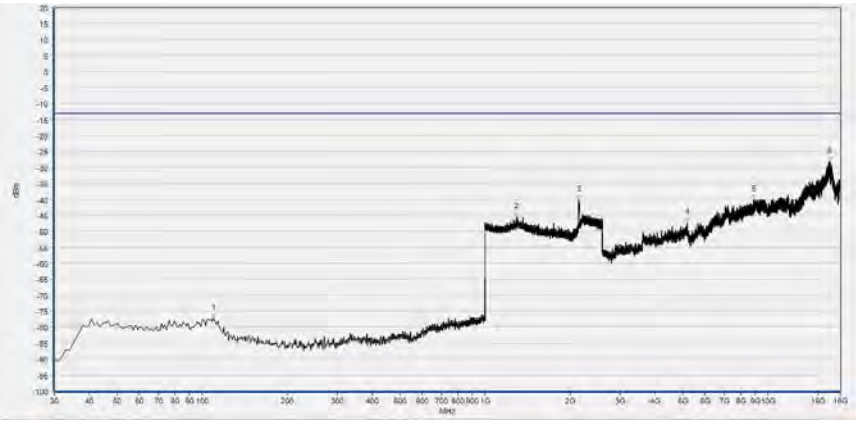


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	104.690	-77.34	-13.00	Vertical	PASS
2	1313.085	-45.93	-13.00	Vertical	PASS
3	2114.686	-44.36	-13.00	Vertical	N/A
4	5137.261	-47.81	-13.00	Vertical	PASS
5	9038.371	-39.42	-13.00	Vertical	PASS
6	16580.142	-28.54	-13.00	Vertical	PASS

LTE Band 66, 20MHz BW, Mid Channel, QPSK

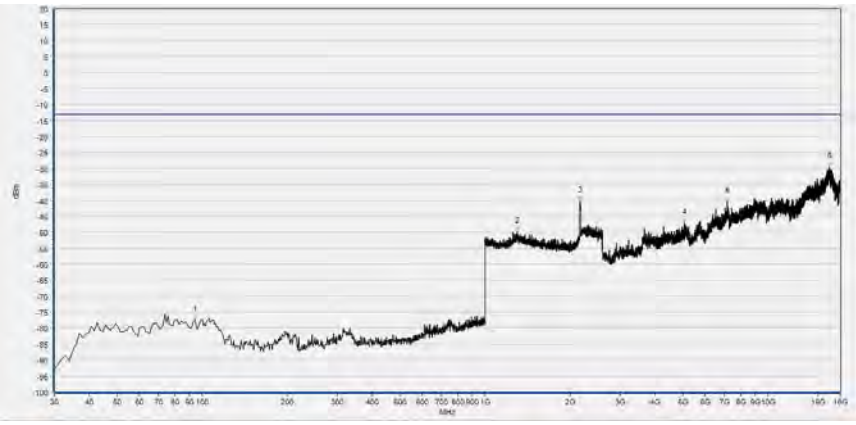


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	111.562	-77.80	-13.00	Horizontal	PASS
2	1287.344	-50.92	-13.00	Horizontal	PASS
3	2153.377	-40.90	-13.00	Horizontal	N/A
4	2800.233	-53.34	-13.00	Horizontal	PASS
5	5136.289	-47.27	-13.00	Horizontal	PASS
6	13943.991	-34.00	-13.00	Horizontal	PASS

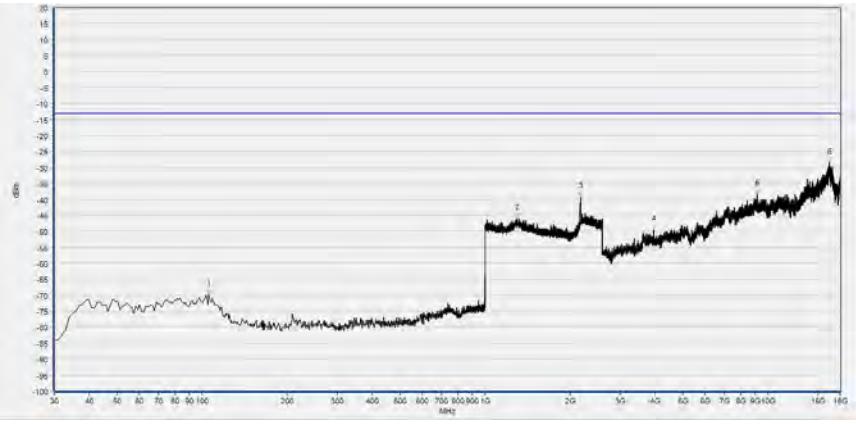


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	109.540	-77.25	-13.00	Vertical	PASS
2	1291.317	-45.51	-13.00	Vertical	PASS
3	2148.619	-40.16	-13.00	Vertical	N/A
4	5190.471	-47.34	-13.00	Vertical	PASS
5	8923.550	-40.15	-13.00	Vertical	PASS
6	16524.132	-28.27	-13.00	Vertical	PASS

LTE Band 66, 20MHz BW, High Channel, QPSK



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	94.084	-77.53	-13.00	Horizontal	PASS
2	1300.150	-49.66	-13.00	Horizontal	PASS
3	2168.584	-40.01	-13.00	Horizontal	N/A
4	5069.545	-47.11	-13.00	Horizontal	PASS
5	7179.697	-40.33	-13.00	Horizontal	PASS
6	16464.877	-29.71	-13.00	Horizontal	PASS



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	105.660	-69.92	-13.00	Vertical	PASS
2	1299.640	-45.98	-13.00	Vertical	PASS
3	2174.870	-39.15	-13.00	Vertical	N/A
4	3949.845	-49.57	-13.00	Vertical	PASS
5	9153.191	-38.35	-13.00	Vertical	PASS
6	16470.922	-28.47	-13.00	Vertical	PASS

Annex A Test Uncertainty

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

Test items	Uncertainty
Output Power	±2.22 dB
Bandwidth	±5%
Conducted Spurious Emission	±2.77 dB
Band Edge	±2.77 dB
Equivalent Isotropic Radiated Power	±2.22 dB
Radiated Spurious Emissions	±6 dB

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

Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

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

2. Identification of the Responsible Testing Location

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

3. Facilities and Accreditations

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

4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Power Splitter	NW521	1506A	Weinschel	2020.04.15	2021.04.14
Attenuator 1	(N/A.)	10dB	Resnet	N/A	N/A
Attenuator 2	(N/A.)	3dB	Resnet	N/A	N/A
EXA Signal Analzyer	MY51511149	N9020A	Agilent	2020.07.27	2021.07.26
USB Power Sensor	MY54210011	U2021XA	Agilent	2020.04.01	2021.03.31
System Simulator	6200995016	MT8820C	Anritsu	2020.10.28	2021.10.27
System Simulator	6261830572	MT8821C	Anritsu	2020.02.25	2021.02.24
				2021.02.25	2022.02.24
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	HA06-212162-3-3-II	HUT705P	CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD	2020.03.25	2021.03.24
Computer	T430i	Think Pad	Lenovo	N/A	N/A

4.2 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due
System Simulator	152038	CMW500	R&S	2020.11.19	2021.11.18
System Simulator	6200995016	MT8820C	Anritsu	2020.10.28	2021.10.27
Receiver	MY54130016	N9038A	Agilent	2020.07.21	2021.07.20
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L3203	Tonscend	2020.07.21	2021.07.20
18-26.5GHz pre-Amplifier	46732	S10M100L3802	Tonscend	2020.07.21	2021.07.20
26-40GHz pre-Amplifier	56774	S40M400L4002	Tonscend	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B2	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B4	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B5	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B7	Wainwright	2020.07.21	2021.07.20

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal.Due
Notch Filter	N/A	WRCGV -LTE B12	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B17	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE 26	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B41	Wainwright	2020.07.21	2021.07.20
Notch Filter	N/A	WRCGV -LTE B66	Wainwright	2020.07.21	2021.07.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2019.07.13	2022.07.12

END OF REPORT