

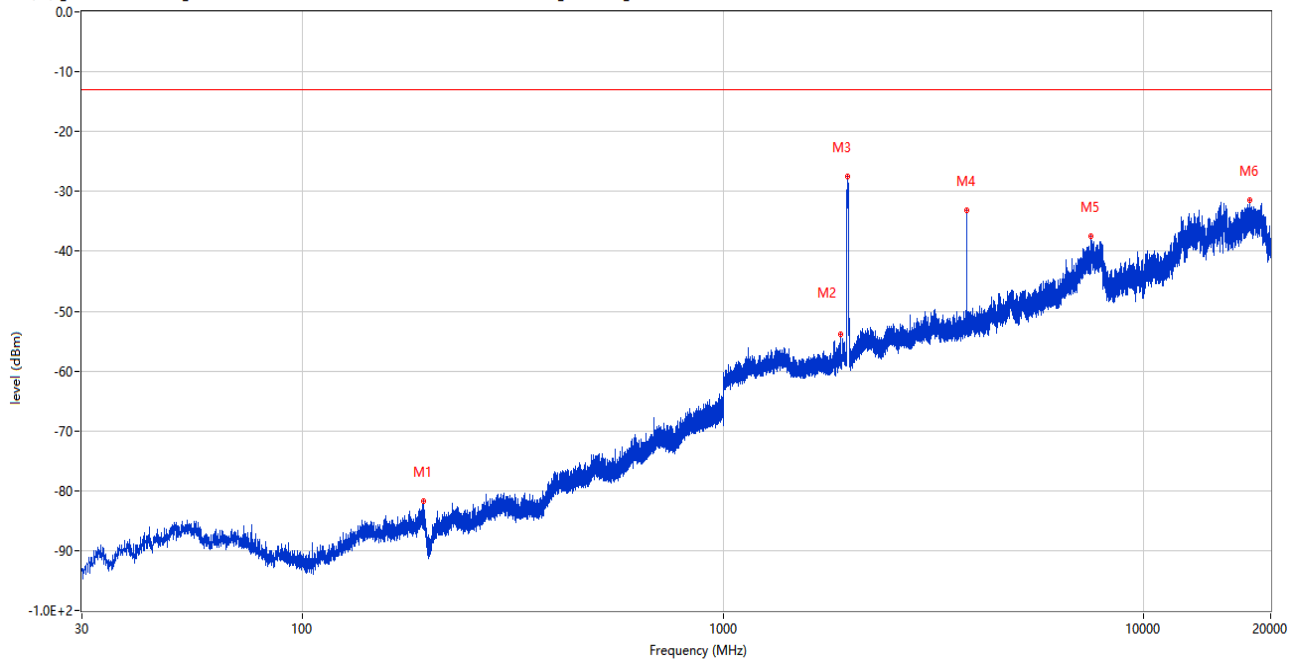
A.7 Field Strength of Spurious Radiation

1. LTE

1.1 LTE Band 2

Band:LTE B2,Channel:HIGH range,BW20

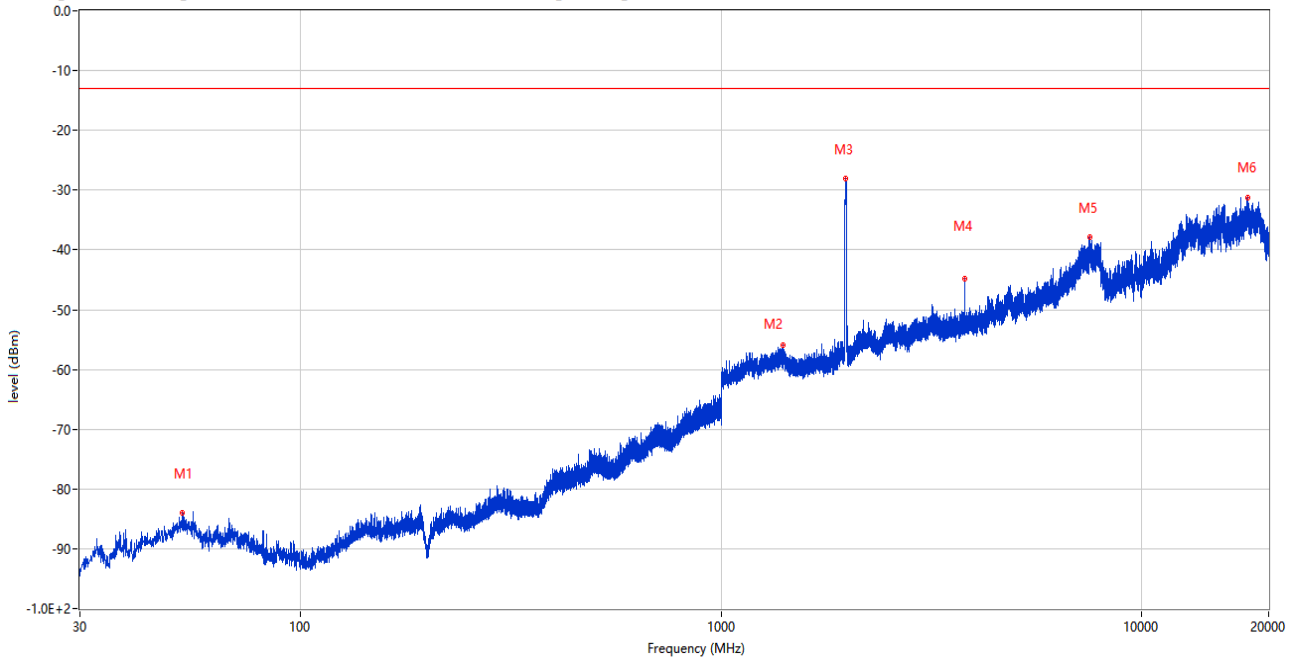
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
194.609	-81.72	-15.16	-13.0	68.72	221.00	Horizontal	Horizontal	Pass
1900.000	-53.80	-2.65	-13.0	40.80	175.00	Horizontal	Horizontal	N/A
1973.500	-27.48	-4.65	-13.0	14.48	280.00	Horizontal	Horizontal	N/A
3800.000	-33.15	5.22	-13.0	20.15	280.00	Horizontal	Horizontal	Pass
7500.000	-37.57	16.46	-13.0	24.57	65.00	Horizontal	Horizontal	Pass
17797.087	-31.53	26.43	-13.0	18.53	36.00	Horizontal	Horizontal	Pass

Band:LTE B2,Channel:HIGH range,BW20

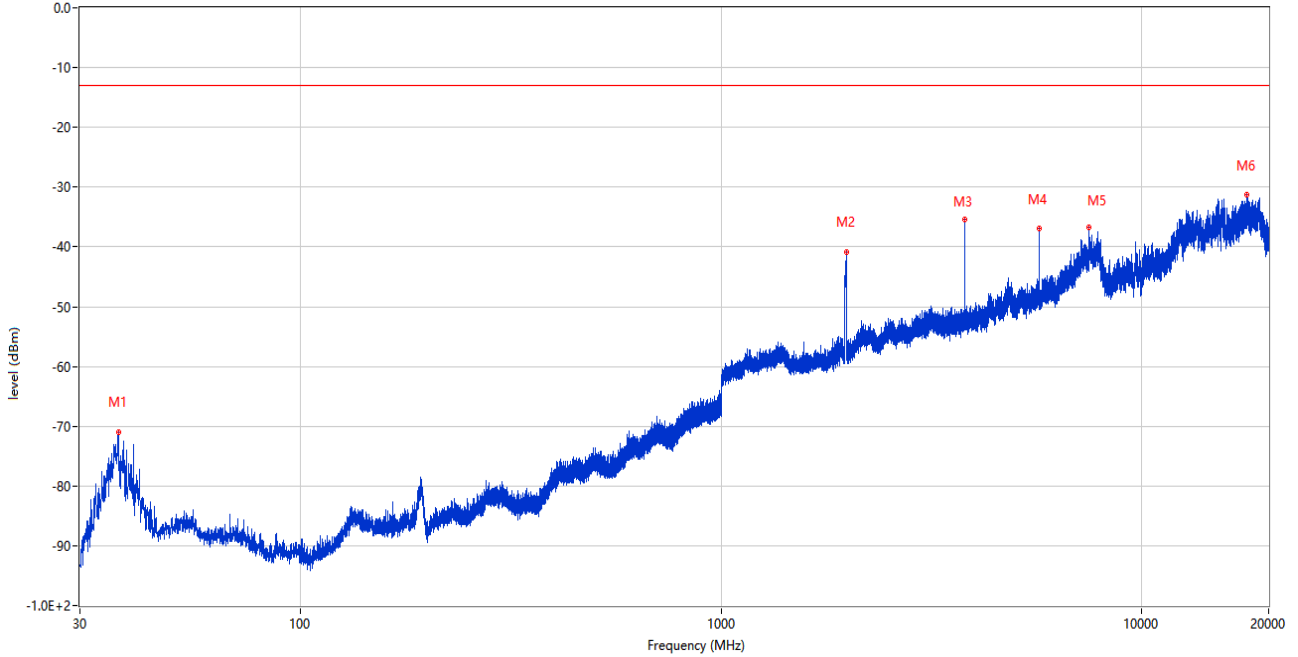
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
52.601	-84.08	-14.97	-13.0	71.08	251.00	Horizontal	Vertical	Pass
1401.400	-55.97	-4.15	-13.0	42.97	278.00	Horizontal	Vertical	Pass
1973.900	-28.04	-4.67	-13.0	15.04	278.00	Horizontal	Vertical	N/A
3800.250	-44.83	5.21	-13.0	31.83	63.00	Horizontal	Vertical	Pass
7541.750	-37.77	16.75	-13.0	24.77	73.00	Horizontal	Vertical	Pass
17796.000	-31.18	26.42	-13.0	18.18	326.00	Horizontal	Vertical	Pass

Band:LTE B2,Channel:HIGH range,BW20

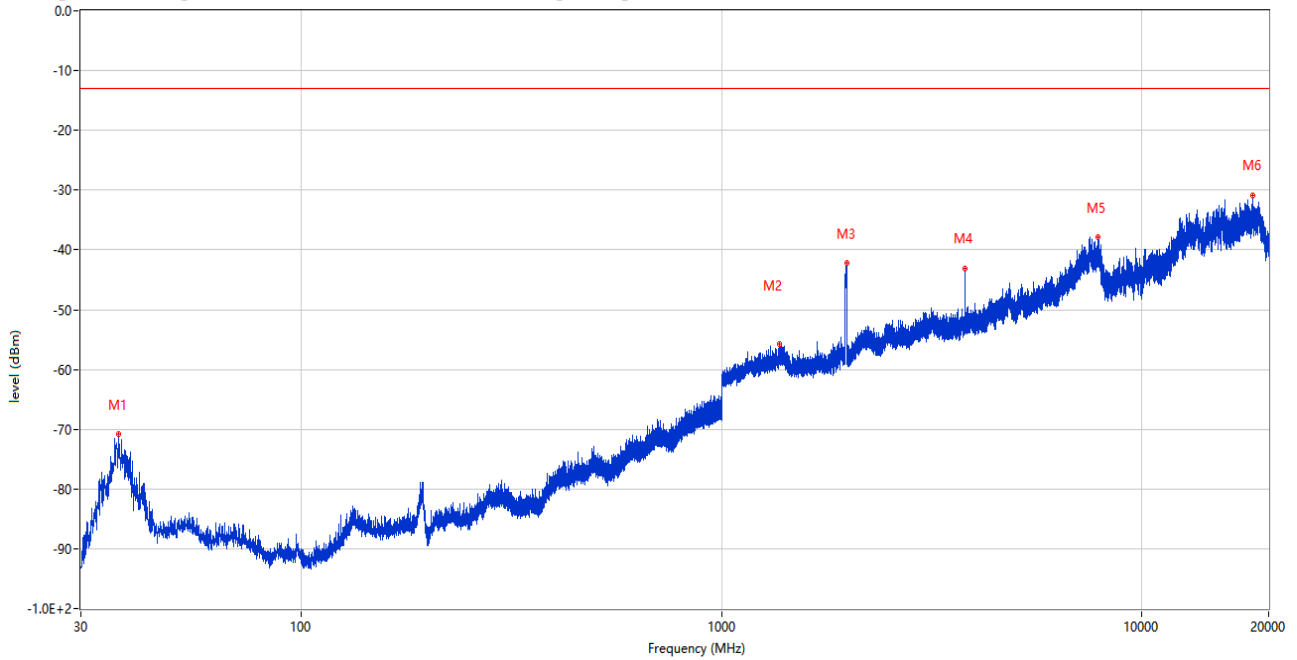
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.984	-70.92	-19.30	-13.0	57.92	156.00	Vertical	Vertical	Pass
1987.800	-40.90	-4.66	-13.0	27.90	324.00	Vertical	Vertical	N/A
3799.750	-35.44	5.24	-13.0	22.44	65.00	Vertical	Vertical	Pass
5699.750	-37.00	7.92	-13.0	24.00	280.00	Vertical	Vertical	Pass
7495.750	-36.74	16.70	-13.0	23.74	84.00	Vertical	Vertical	Pass
17790.562	-31.19	26.35	-13.0	18.19	296.00	Vertical	Vertical	Pass

Band:LTE B2,Channel:HIGH range,BW20

RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz

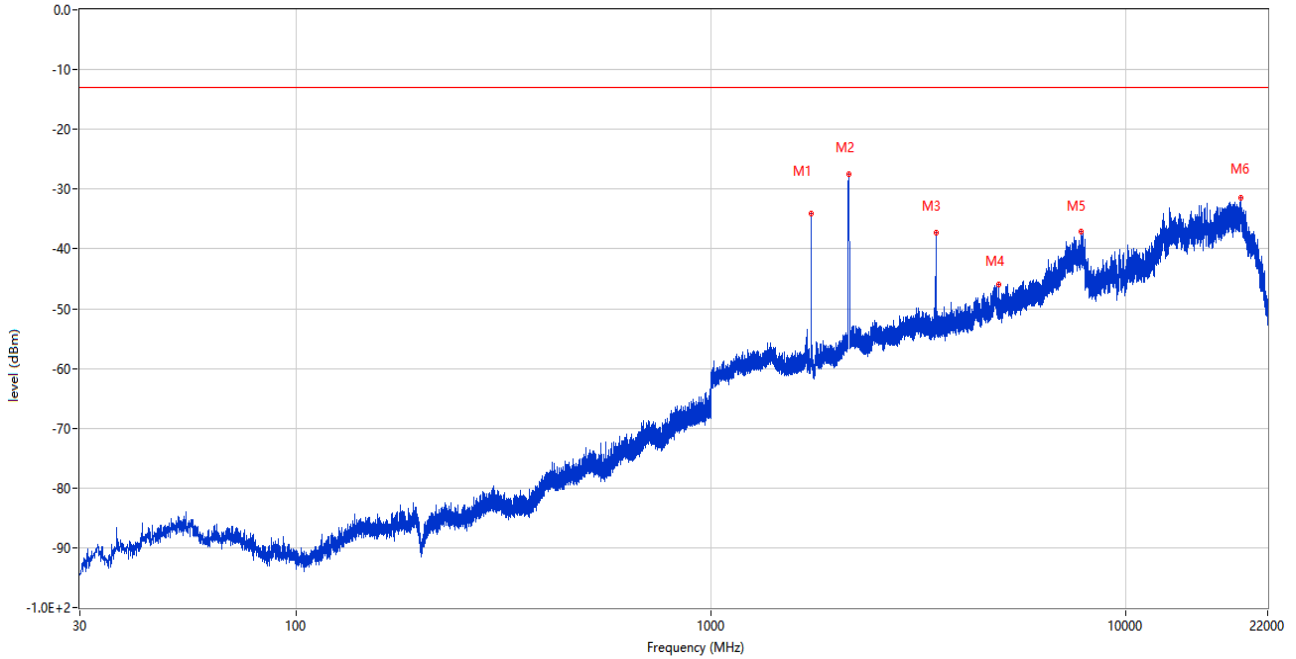


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.887	-70.88	-19.39	-13.0	57.88	267.00	Vertical	Horizontal	Pass
1372.600	-55.81	-4.09	-13.0	42.81	322.00	Vertical	Horizontal	Pass
1987.000	-42.28	-4.81	-13.0	29.28	192.00	Vertical	Horizontal	N/A
3799.750	-43.04	5.24	-13.0	30.04	0.00	Vertical	Horizontal	Pass
7860.500	-37.90	16.67	-13.0	24.90	269.00	Vertical	Horizontal	Pass
18292.261	-30.92	24.63	-13.0	17.92	193.00	Vertical	Horizontal	Pass

1.2 LTE Band 4

Band:LTE B4,Channel:HIGH range,BW15

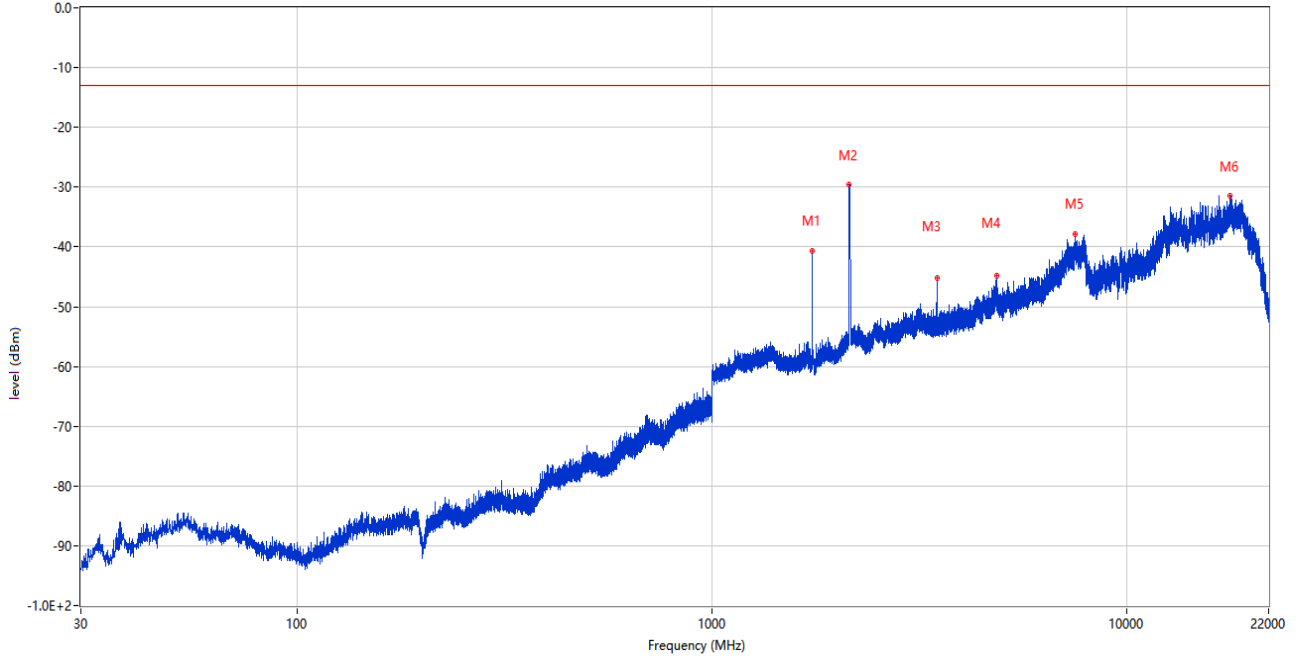
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1741.100	-34.01	-4.11	-13.0	21.01	356.00	Horizontal	Horizontal	N/A
2143.900	-27.43	-1.42	-13.0	14.43	259.00	Horizontal	Horizontal	N/A
3482.000	-37.20	3.44	-13.0	24.20	308.00	Horizontal	Horizontal	Pass
4945.250	-45.96	6.82	-13.0	32.96	270.00	Horizontal	Horizontal	Pass
7819.750	-37.10	16.55	-13.0	24.10	65.00	Horizontal	Horizontal	Pass
18984.036	-31.50	23.97	-13.0	18.50	271.00	Horizontal	Horizontal	Pass

Band:LTE B4,Channel:HIGH range,BW15

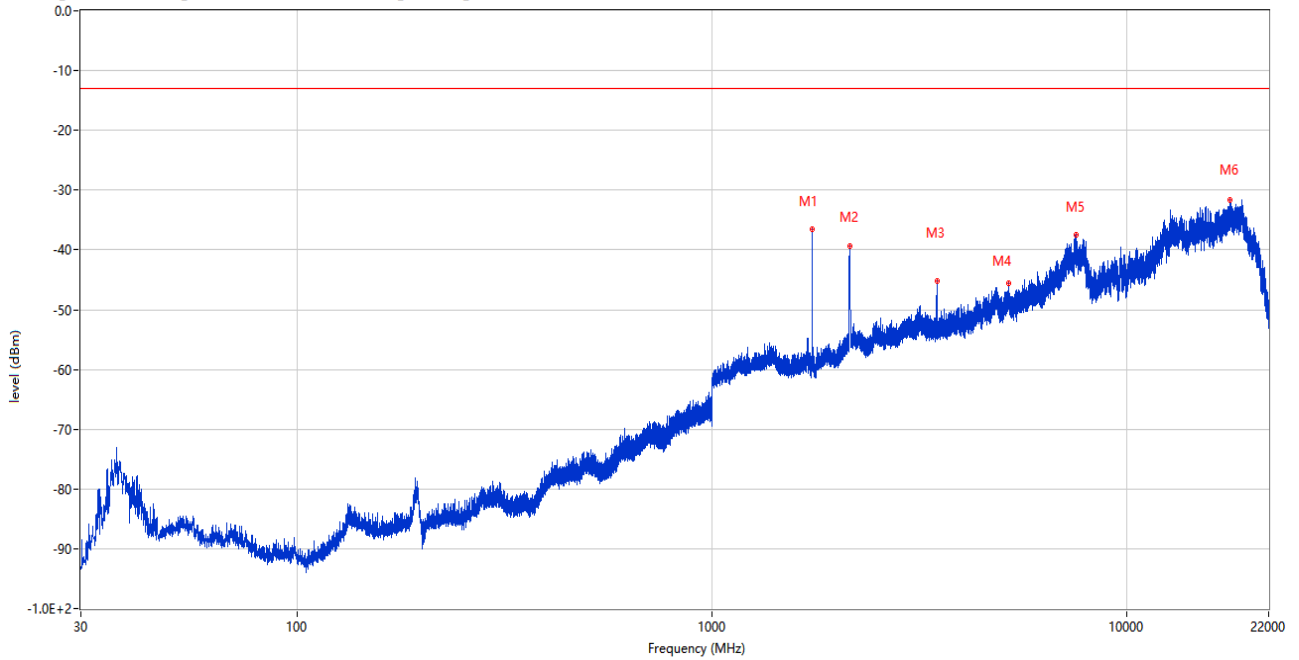
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1741.100	-40.61	-4.11	-13.0	27.61	126.00	Horizontal	Vertical	N/A
2142.500	-29.63	-1.43	-13.0	16.63	133.00	Horizontal	Vertical	N/A
3481.750	-45.28	3.43	-13.0	32.28	15.00	Horizontal	Vertical	Pass
4861.750	-44.90	7.81	-13.0	31.90	306.00	Horizontal	Vertical	Pass
7494.500	-37.77	16.76	-13.0	24.77	25.00	Horizontal	Vertical	Pass
17781.537	-31.47	26.23	-13.0	18.47	271.00	Horizontal	Vertical	Pass

Band:LTE B4,Channel:HIGH range,BW15

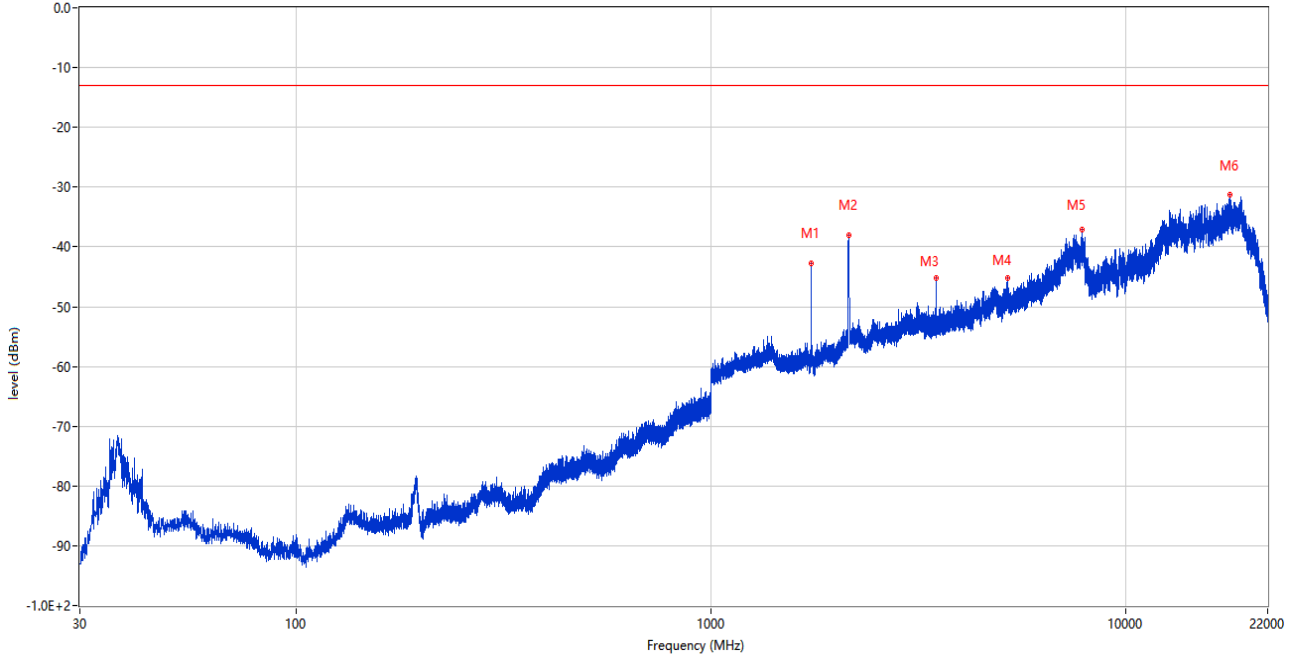
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1741.000	-36.60	-4.11	-13.0	23.60	33.00	Vertical	Vertical	N/A
2147.500	-39.43	-1.35	-13.0	26.43	358.00	Vertical	Vertical	N/A
3481.500	-45.29	3.42	-13.0	32.29	62.00	Vertical	Vertical	Pass
5192.750	-45.66	8.61	-13.0	32.66	256.00	Vertical	Vertical	Pass
7535.500	-37.40	16.61	-13.0	24.40	295.00	Vertical	Vertical	Pass
17782.462	-31.63	26.24	-13.0	18.63	360.00	Vertical	Vertical	Pass

Band:LTE B4,Channel:HIGH range,BW15

RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz

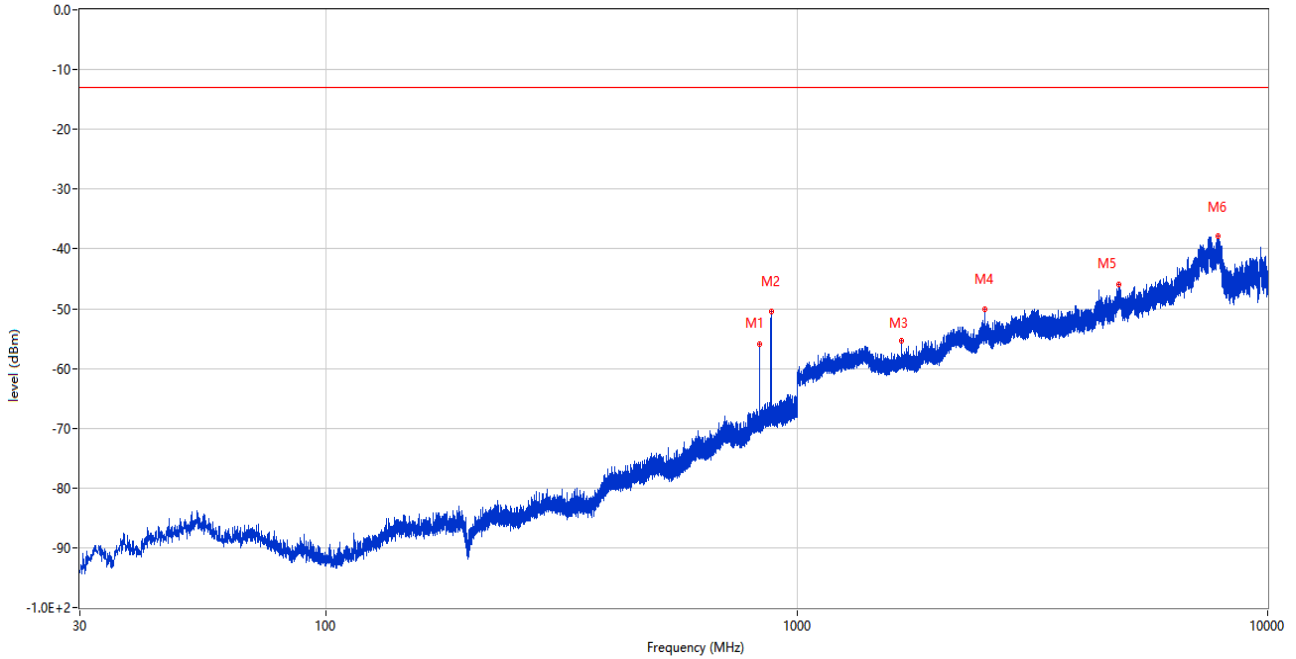


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1741.000	-42.66	-4.11	-13.0	29.66	102.00	Vertical	Horizontal	N/A
2153.600	-37.98	-1.19	-13.0	24.98	352.00	Vertical	Horizontal	N/A
3482.000	-45.28	3.44	-13.0	32.28	149.00	Vertical	Horizontal	Pass
5179.500	-45.21	8.30	-13.0	32.21	54.00	Vertical	Horizontal	Pass
7865.250	-37.01	16.87	-13.0	24.01	149.00	Vertical	Horizontal	Pass
17795.875	-31.35	26.42	-13.0	18.35	127.00	Vertical	Horizontal	Pass

1.3 LTE Band 5

Band:LTE B5,Channel:MID range,BW5

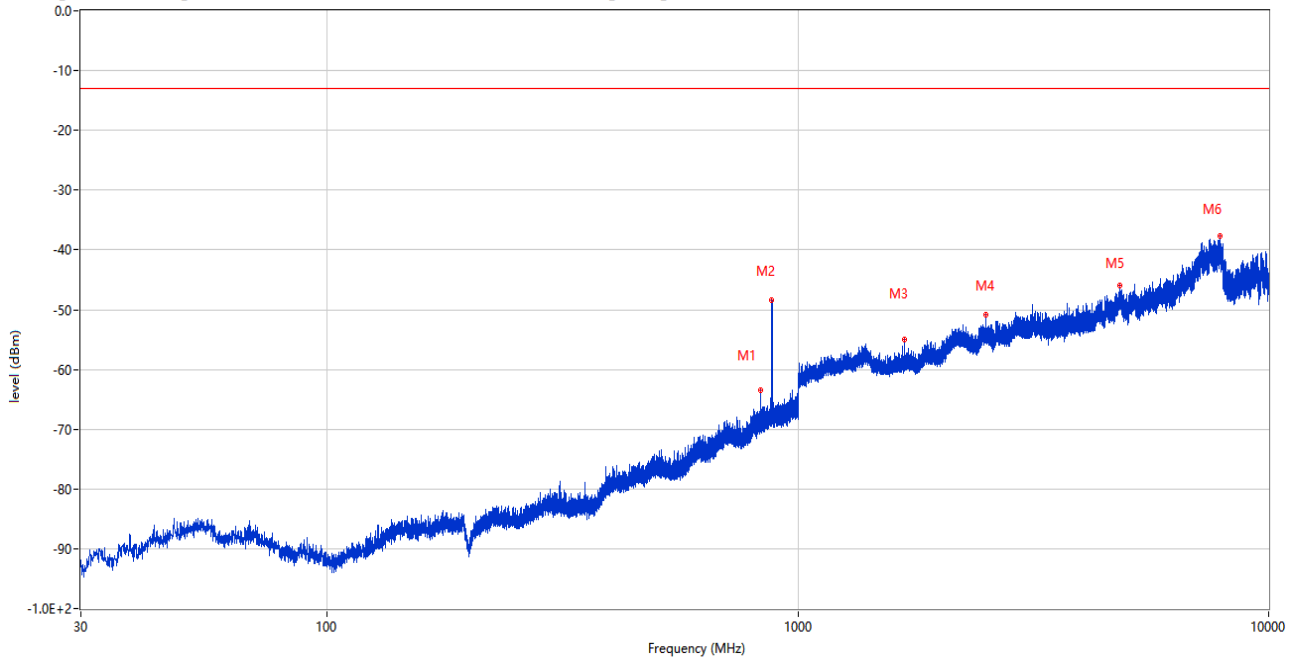
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
834.276	-56.00	2.16	-13.0	43.00	346.00	Horizontal	Horizontal	N/A
883.212	-50.44	2.41	-13.0	37.44	355.00	Horizontal	Horizontal	N/A
1668.700	-55.39	-5.06	-13.0	42.39	356.00	Horizontal	Horizontal	Pass
2503.200	-50.10	0.32	-13.0	37.10	350.00	Horizontal	Horizontal	Pass
4827.750	-45.98	7.64	-13.0	32.98	0.00	Horizontal	Horizontal	Pass
7862.000	-37.92	16.77	-13.0	24.92	111.00	Horizontal	Horizontal	Pass

Band:LTE B5,Channel:MID range,BW5

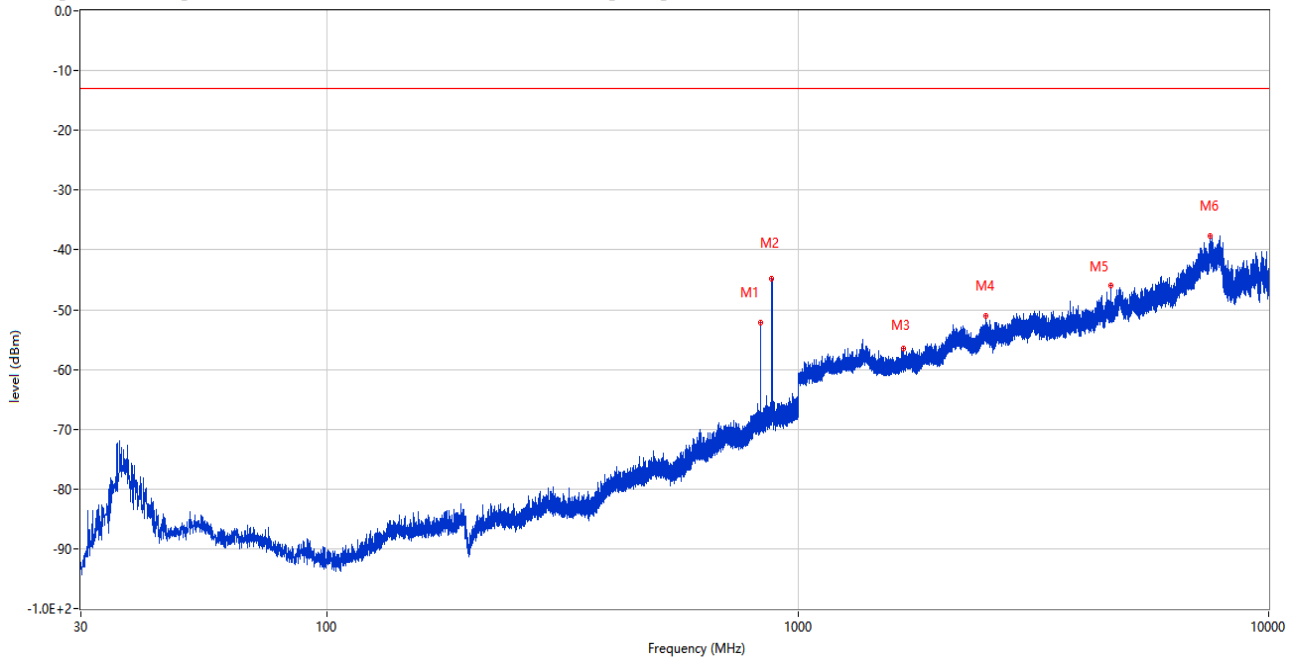
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
834.324	-63.42	2.16	-13.0	50.42	76.00	Horizontal	Vertical	N/A
879.865	-48.35	2.45	-13.0	35.35	349.00	Horizontal	Vertical	N/A
1685.300	-54.90	-5.32	-13.0	41.90	346.00	Horizontal	Vertical	Pass
2503.000	-50.89	0.32	-13.0	37.89	129.00	Horizontal	Vertical	Pass
4831.250	-45.98	7.58	-13.0	32.98	334.00	Horizontal	Vertical	Pass
7871.000	-37.72	17.07	-13.0	24.72	35.00	Horizontal	Vertical	Pass

Band:LTE B5,Channel:MID range,BW5

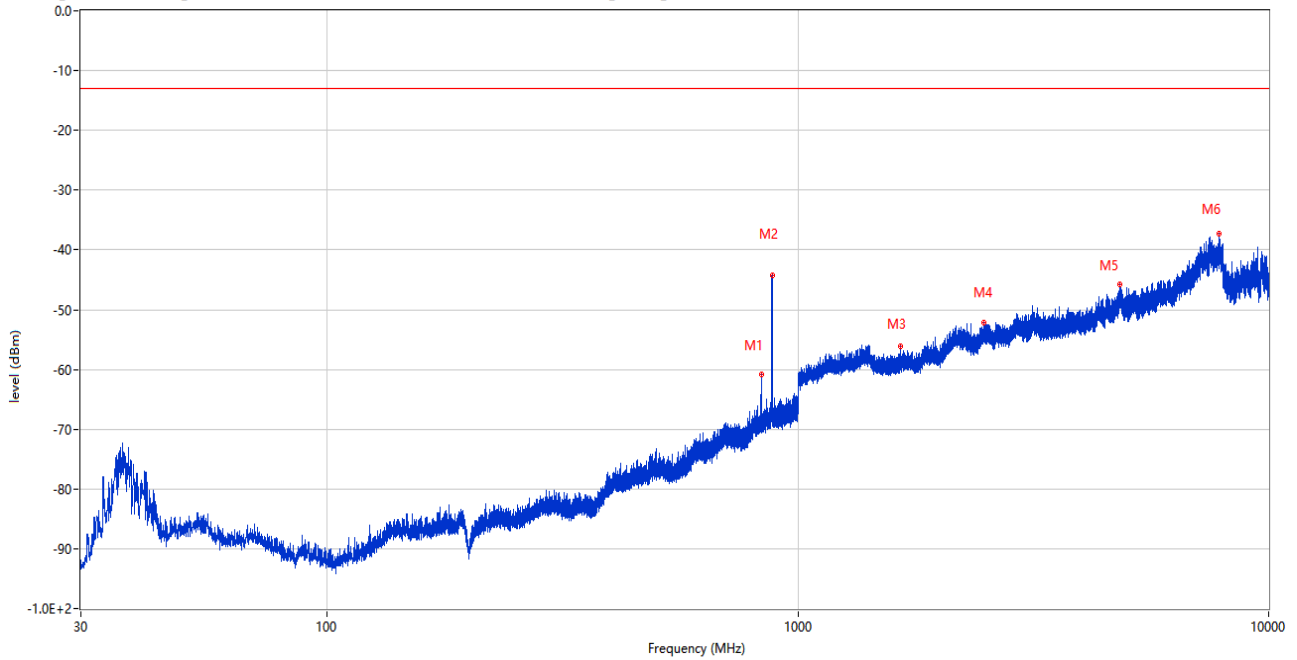
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
834.276	-52.16	2.16	-13.0	39.16	360.00	Vertical	Vertical	N/A
881.223	-44.88	2.45	-13.0	31.88	9.00	Vertical	Vertical	N/A
1676.200	-56.47	-5.17	-13.0	43.47	228.00	Vertical	Vertical	Pass
2503.200	-51.06	0.32	-13.0	38.06	100.00	Vertical	Vertical	Pass
4625.750	-45.95	6.72	-13.0	32.95	21.00	Vertical	Vertical	Pass
7493.500	-37.59	16.75	-13.0	24.59	162.00	Vertical	Vertical	Pass

Band:LTE B5,Channel:MID range,BW5

RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19_814-849_30MHz-10GHz

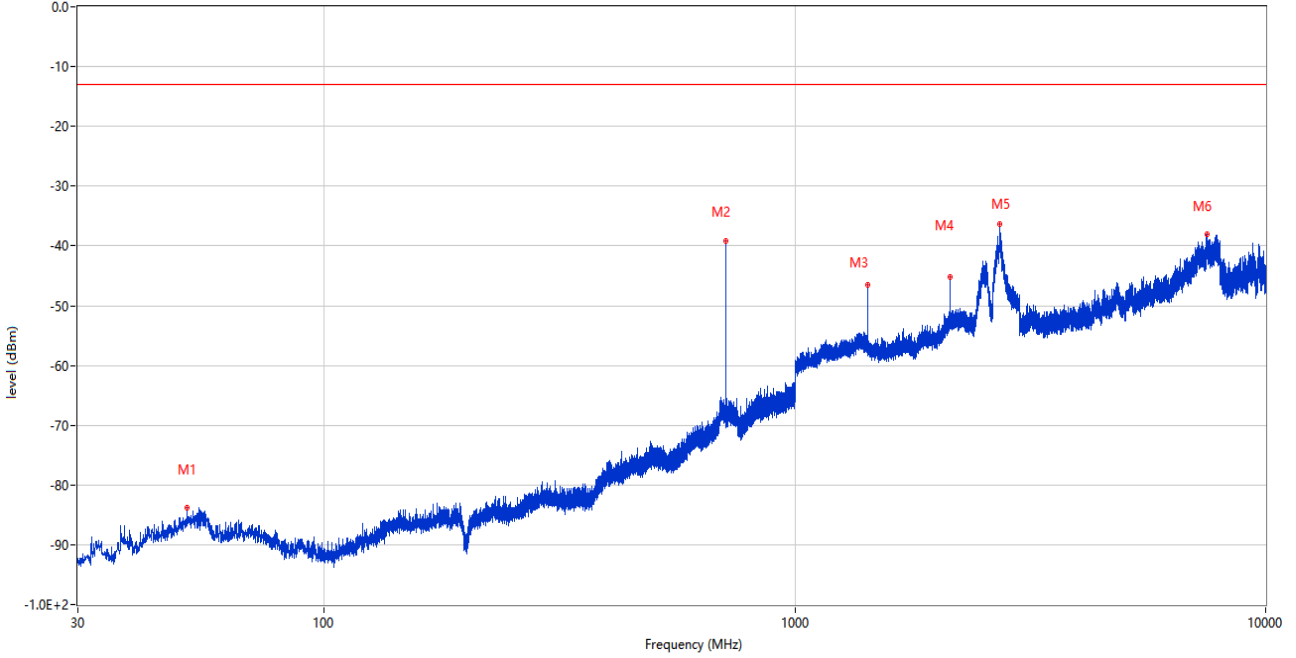


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
838.495	-60.85	2.25	-13.0	47.85	99.00	Vertical	Horizontal	N/A
882.097	-44.28	2.44	-13.0	31.28	73.00	Vertical	Horizontal	N/A
1652.600	-56.05	-5.47	-13.0	43.05	156.00	Vertical	Horizontal	Pass
2478.400	-52.21	0.47	-13.0	39.21	34.00	Vertical	Horizontal	Pass
4825.000	-45.67	7.67	-13.0	32.67	129.00	Vertical	Horizontal	Pass
7863.250	-37.37	16.81	-13.0	24.37	149.00	Vertical	Horizontal	Pass

1.4 LTE Band 12

Band:LTE B12,Channel:HIGH range,BW5

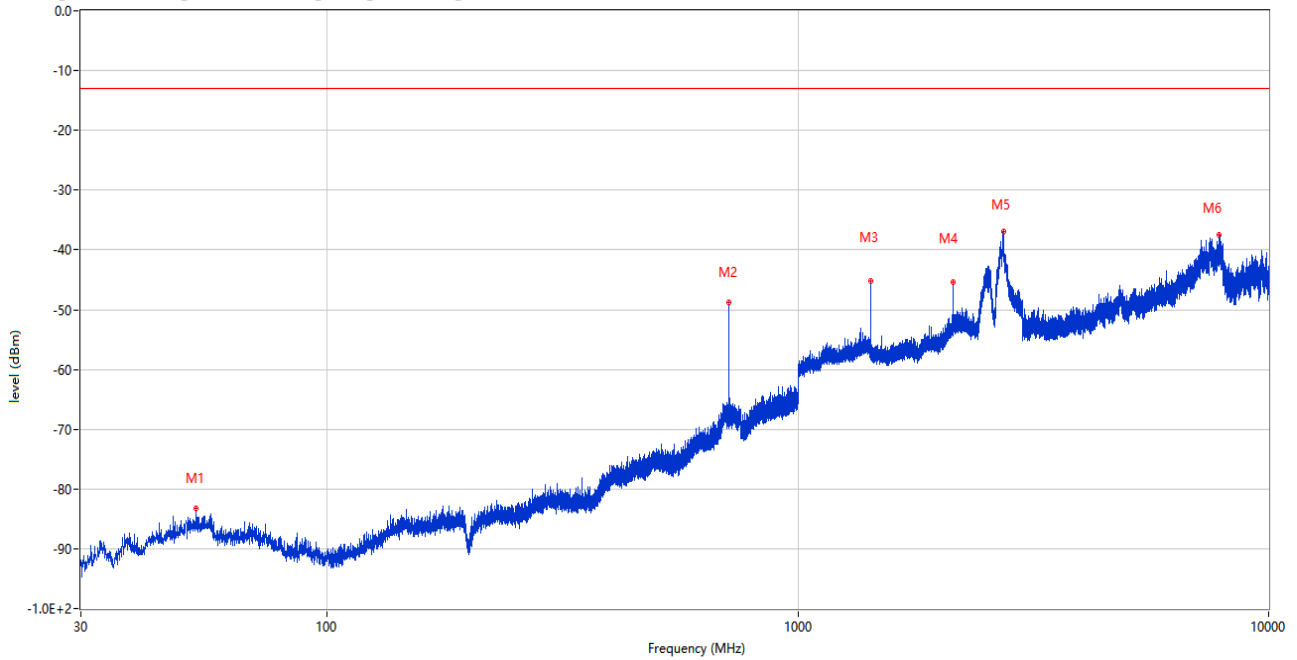
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28_699-747_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
51.146	-83.86	-14.83	-13.0	70.86	328.00	Horizontal	Horizontal	Pass
713.511	-39.12	3.19	-13.0	26.12	179.00	Horizontal	Horizontal	N/A
1427.100	-46.54	-3.10	-13.0	33.54	17.00	Horizontal	Horizontal	Pass
2140.500	-45.12	1.95	-13.0	32.12	315.00	Horizontal	Horizontal	Pass
2729.100	-36.35	19.37	-13.0	23.35	103.00	Horizontal	Horizontal	Pass
7493.250	-38.13	16.74	-13.0	25.13	93.00	Horizontal	Horizontal	Pass

Band:LTE B12,Channel:HIGH range,BW5

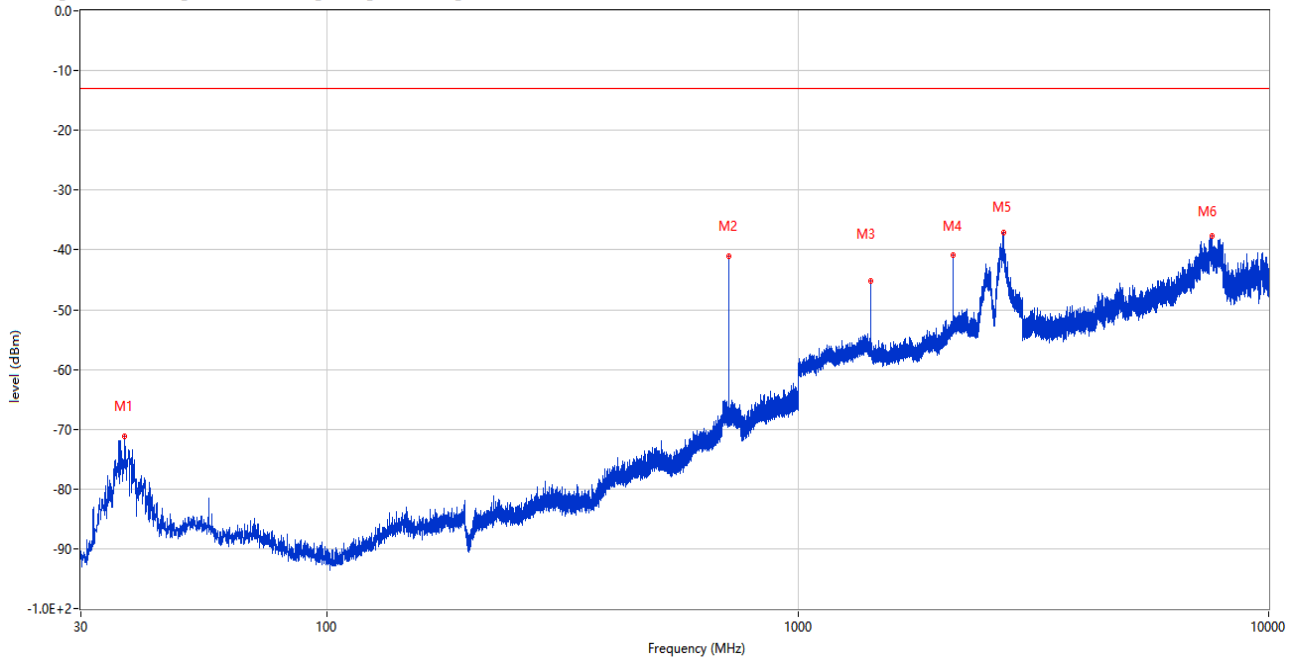
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28_699-747_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
52.746	-83.16	-14.73	-13.0	70.16	275.00	Horizontal	Vertical	Pass
713.511	-48.69	3.19	-13.0	35.69	309.00	Horizontal	Vertical	N/A
1427.300	-45.14	-3.11	-13.0	32.14	92.00	Horizontal	Vertical	Pass
2140.700	-45.34	1.95	-13.0	32.34	154.00	Horizontal	Vertical	Pass
2734.900	-36.93	18.93	-13.0	23.93	172.00	Horizontal	Vertical	Pass
7860.250	-37.52	16.65	-13.0	24.52	231.00	Horizontal	Vertical	Pass

Band:LTE B12,Channel:HIGH range,BW5

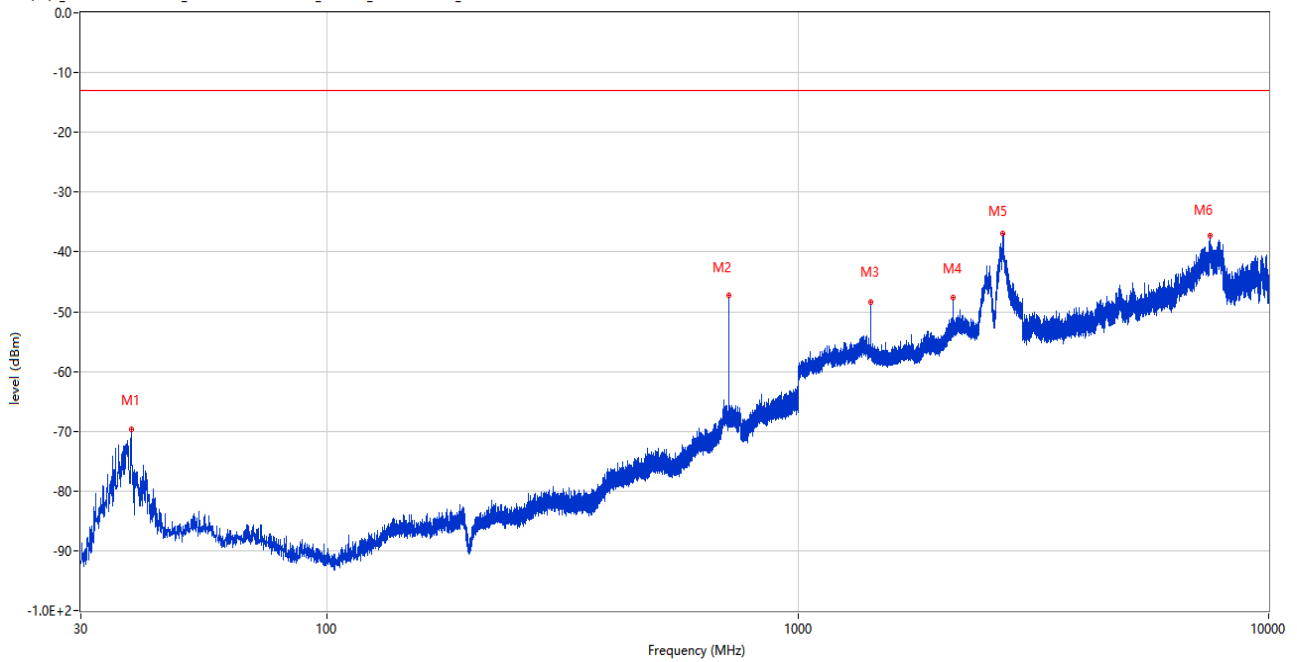
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28_699-747_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.178	-71.13	-18.91	-13.0	58.13	322.00	Vertical	Vertical	Pass
713.559	-41.00	3.19	-13.0	28.00	158.00	Vertical	Vertical	N/A
1427.200	-45.11	-3.11	-13.0	32.11	320.00	Vertical	Vertical	Pass
2140.800	-40.92	1.95	-13.0	27.92	67.00	Vertical	Vertical	Pass
2731.500	-37.12	19.42	-13.0	24.12	358.00	Vertical	Vertical	Pass
7596.750	-37.61	16.47	-13.0	24.61	75.00	Vertical	Vertical	Pass

Band:LTE B12,Channel:HIGH range,BW5

RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28_699-747_30MHz-10GHz_

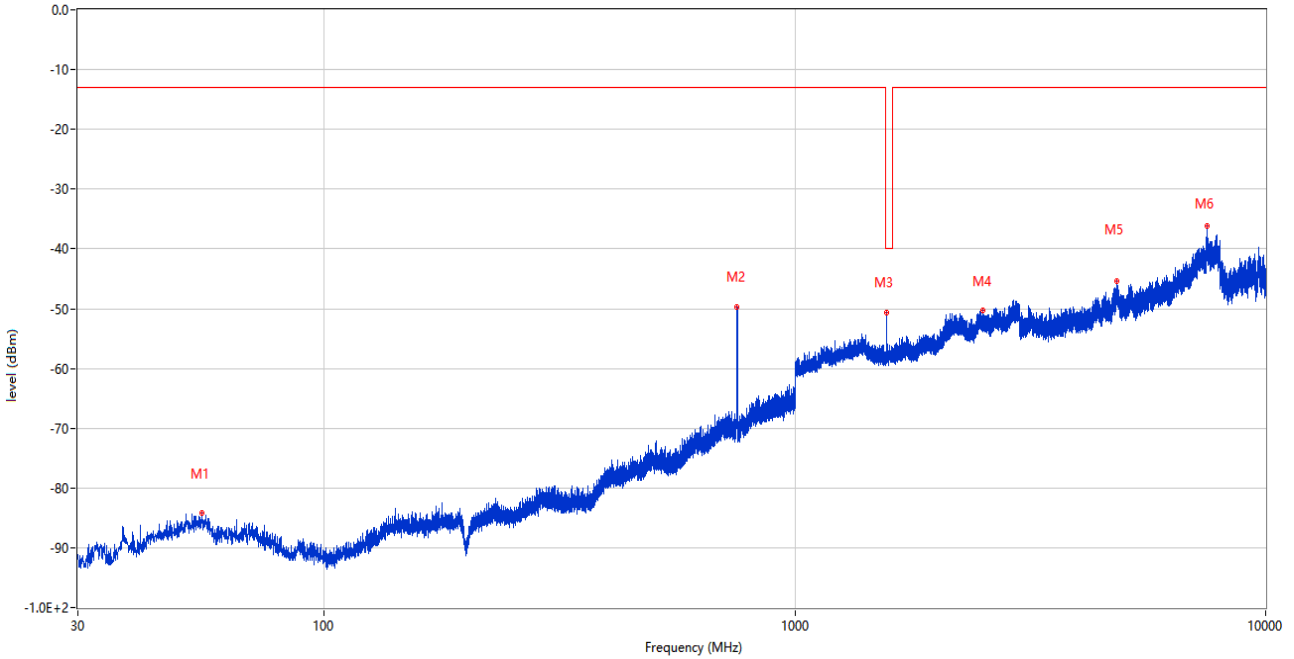


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
38.439	-69.73	-18.74	-13.0	56.73	321.00	Vertical	Horizontal	Pass
713.559	-47.26	3.19	-13.0	34.26	56.00	Vertical	Horizontal	N/A
1427.200	-48.33	-3.11	-13.0	35.33	99.00	Vertical	Horizontal	Pass
2141.000	-47.72	1.94	-13.0	34.72	358.00	Vertical	Horizontal	Pass
2727.600	-36.97	19.20	-13.0	23.97	358.00	Vertical	Horizontal	Pass
7498.750	-37.27	16.51	-13.0	24.27	94.00	Vertical	Horizontal	Pass

1.5 LTE Band 13

Band:LTE B13,Channel:HIGH range,BW5

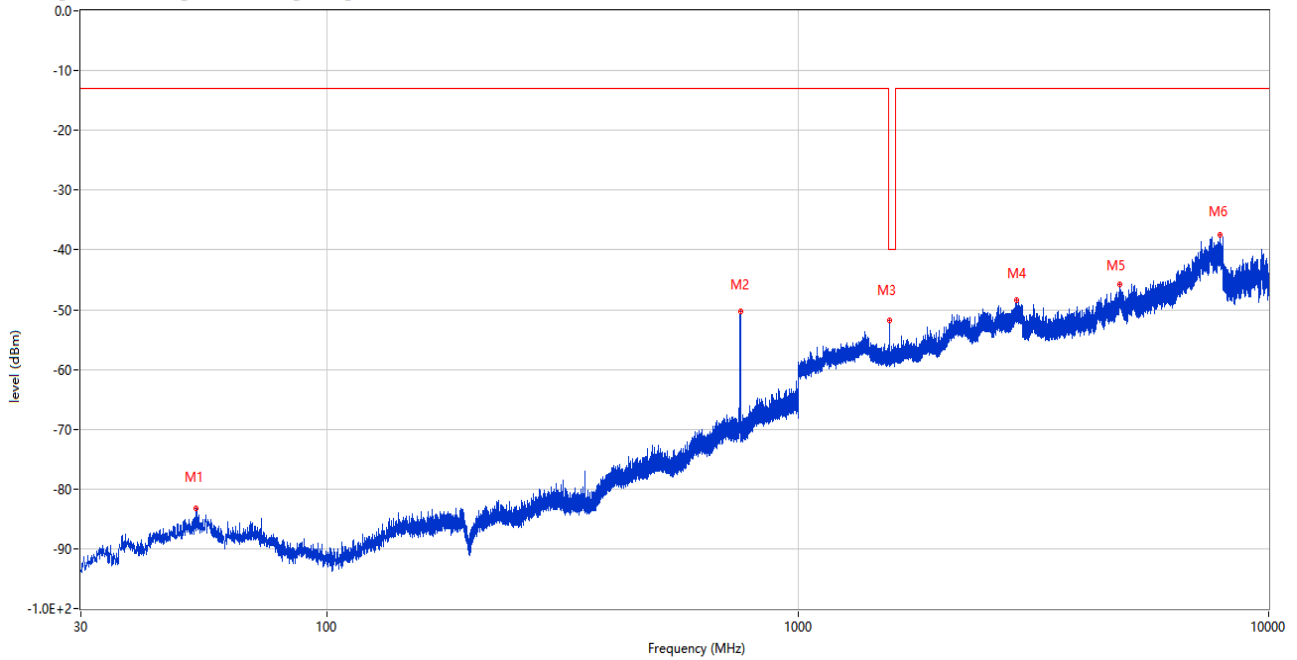
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _699-748_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
55.075	-84.24	-14.62	-13.0	71.24	354.00	Horizontal	Horizontal	Pass
753.959	-49.64	-0.40	-13.0	36.64	111.00	Horizontal	Horizontal	N/A
1564.900	-50.60	-4.45	-40.0	10.60	224.00	Horizontal	Horizontal	Pass
2507.600	-50.35	2.03	-13.0	37.35	95.00	Horizontal	Horizontal	Pass
4829.250	-45.38	7.60	-13.0	32.38	59.00	Horizontal	Horizontal	Pass
7493.500	-36.15	16.75	-13.0	23.15	115.00	Horizontal	Horizontal	Pass

Band:LTE B13,Channel:HIGH range,BW5

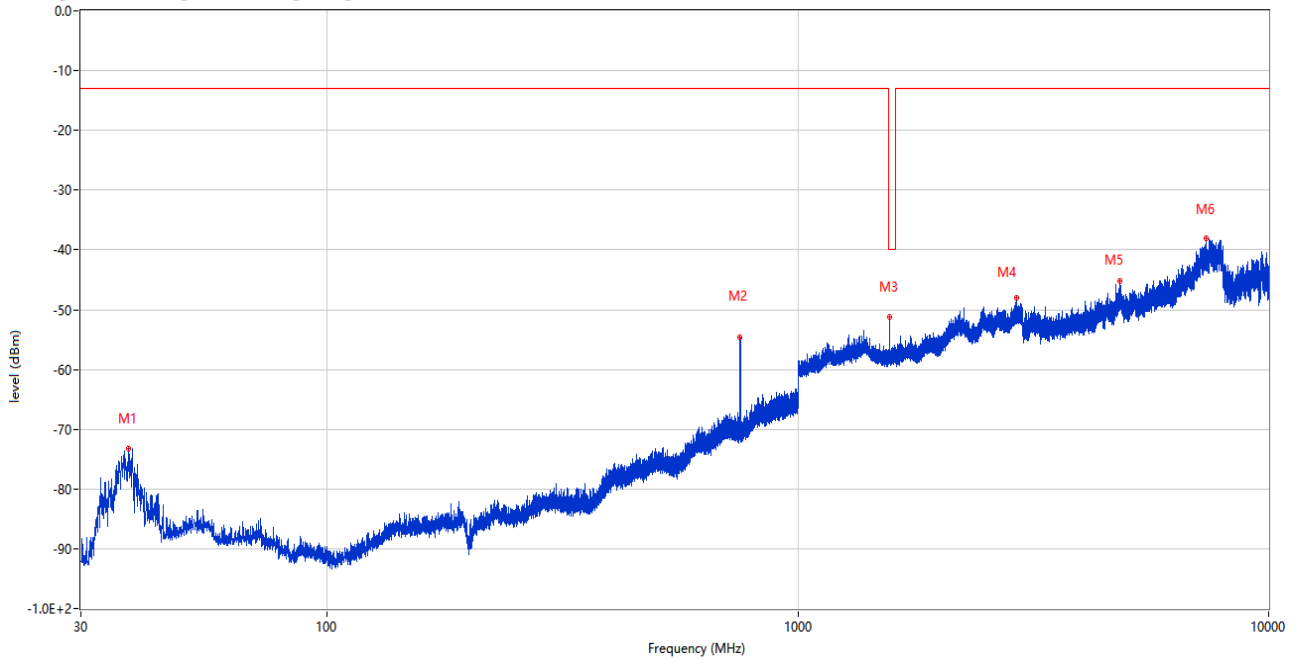
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _699-748_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
52.650	-83.21	-14.82	-13.0	70.21	244.00	Horizontal	Vertical	Pass
755.123	-50.37	-0.47	-13.0	37.37	253.00	Horizontal	Vertical	N/A
1564.900	-51.71	-4.45	-40.0	11.71	17.00	Horizontal	Vertical	Pass
2909.000	-48.36	4.86	-13.0	35.36	351.00	Horizontal	Vertical	Pass
4836.750	-45.81	7.60	-13.0	32.81	172.00	Horizontal	Vertical	Pass
7865.250	-37.51	16.87	-13.0	24.51	74.00	Horizontal	Vertical	Pass

Band:LTE B13,Channel:HIGH range,BW5

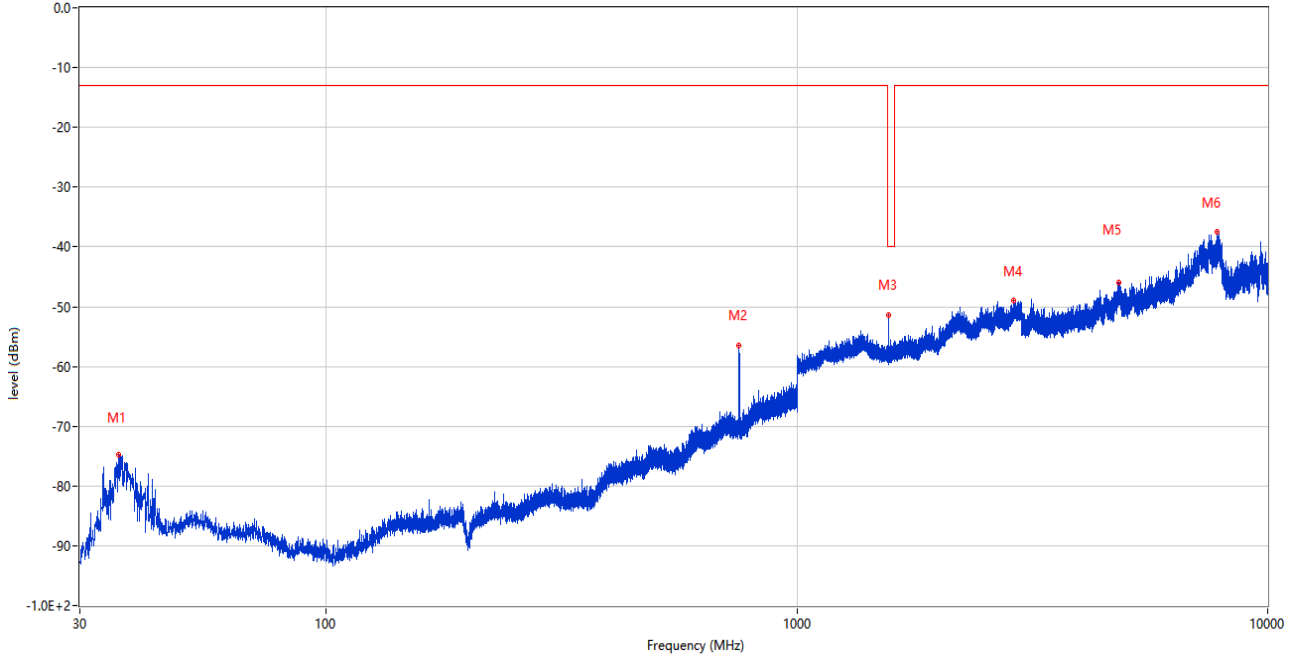
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _699-748_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.906	-73.16	-18.78	-13.0	60.16	310.00	Vertical	Vertical	Pass
751.534	-54.62	-0.19	-13.0	41.62	241.00	Vertical	Vertical	N/A
1564.900	-51.16	-4.45	-40.0	11.16	8.00	Vertical	Vertical	Pass
2911.100	-48.11	4.88	-13.0	35.11	125.00	Vertical	Vertical	Pass
4830.500	-45.25	7.57	-13.0	32.25	354.00	Vertical	Vertical	Pass
7354.750	-38.09	14.65	-13.0	25.09	122.00	Vertical	Vertical	Pass

Band:LTE B13,Channel:HIGH range,BW5

RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _699-748_30MHz-10GHz

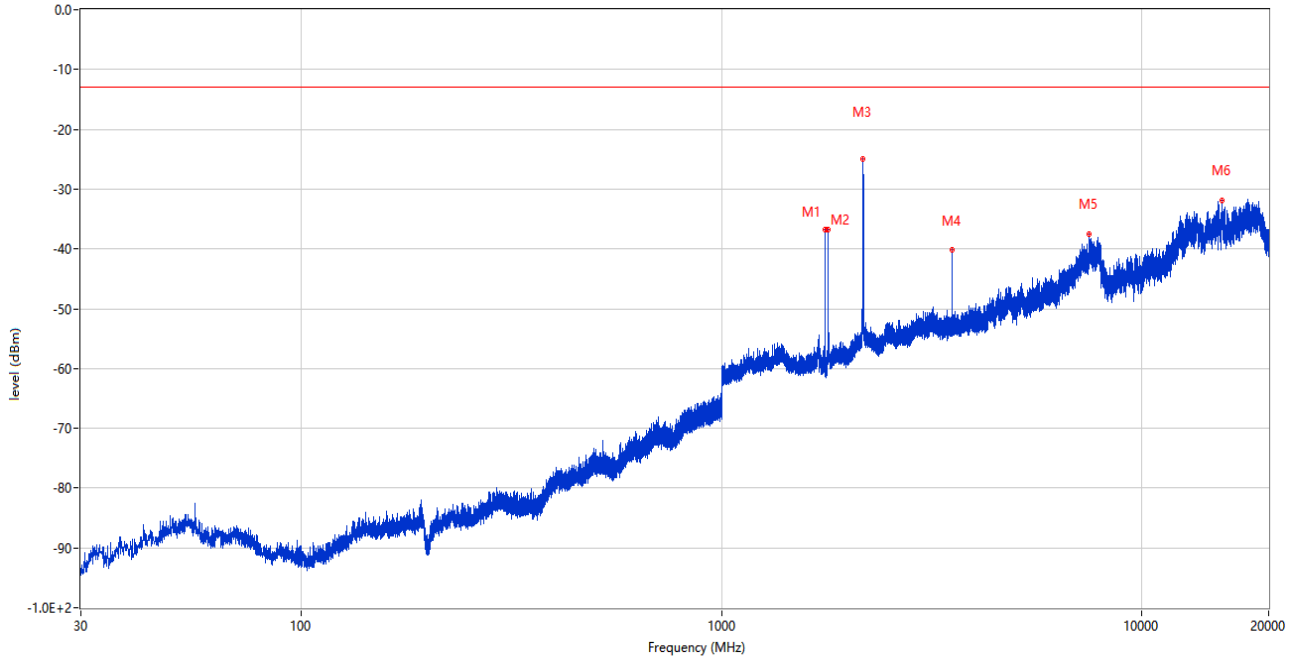


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.257	-74.84	-19.71	-13.0	61.84	313.00	Vertical	Horizontal	Pass
752.359	-56.50	-0.24	-13.0	43.50	262.00	Vertical	Horizontal	N/A
1564.900	-51.33	-4.45	-40.0	11.33	136.00	Vertical	Horizontal	Pass
2882.800	-49.04	4.01	-13.0	36.04	20.00	Vertical	Horizontal	Pass
4819.000	-45.94	7.75	-13.0	32.94	266.00	Vertical	Horizontal	Pass
7817.500	-37.56	16.62	-13.0	24.56	109.00	Vertical	Horizontal	Pass

1.6 LTE Band 66

Band:LTE B66,Channel:HIGH range,BW15

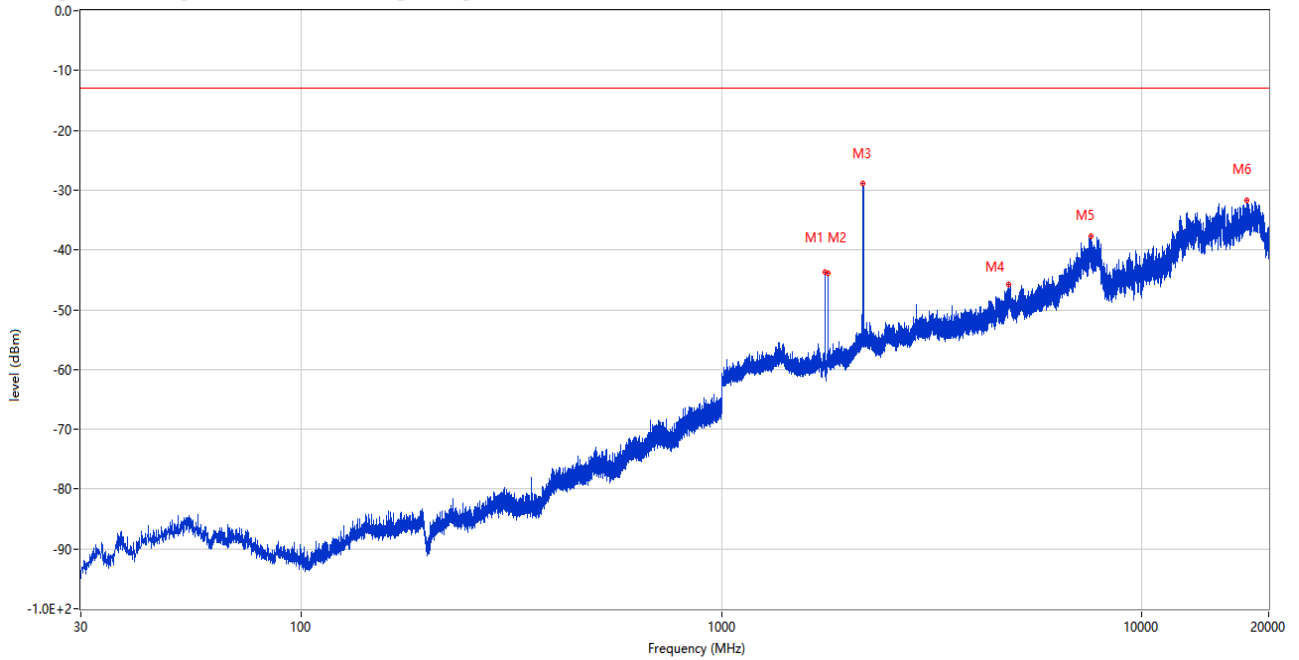
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1766.100	-36.76	-4.30	-13.0	23.76	347.00	Horizontal	Horizontal	N/A
1792.600	-36.78	-4.56	-13.0	23.78	347.00	Horizontal	Horizontal	N/A
2170.000	-25.00	-1.13	-13.0	12.00	268.00	Horizontal	Horizontal	N/A
3531.750	-40.23	3.84	-13.0	27.23	354.00	Horizontal	Horizontal	Pass
7490.250	-37.44	16.82	-13.0	24.44	0.00	Horizontal	Horizontal	Pass
15506.037	-31.83	24.27	-13.0	18.83	324.00	Horizontal	Horizontal	Pass

Band:LTE B66,Channel:HIGH range,BW15

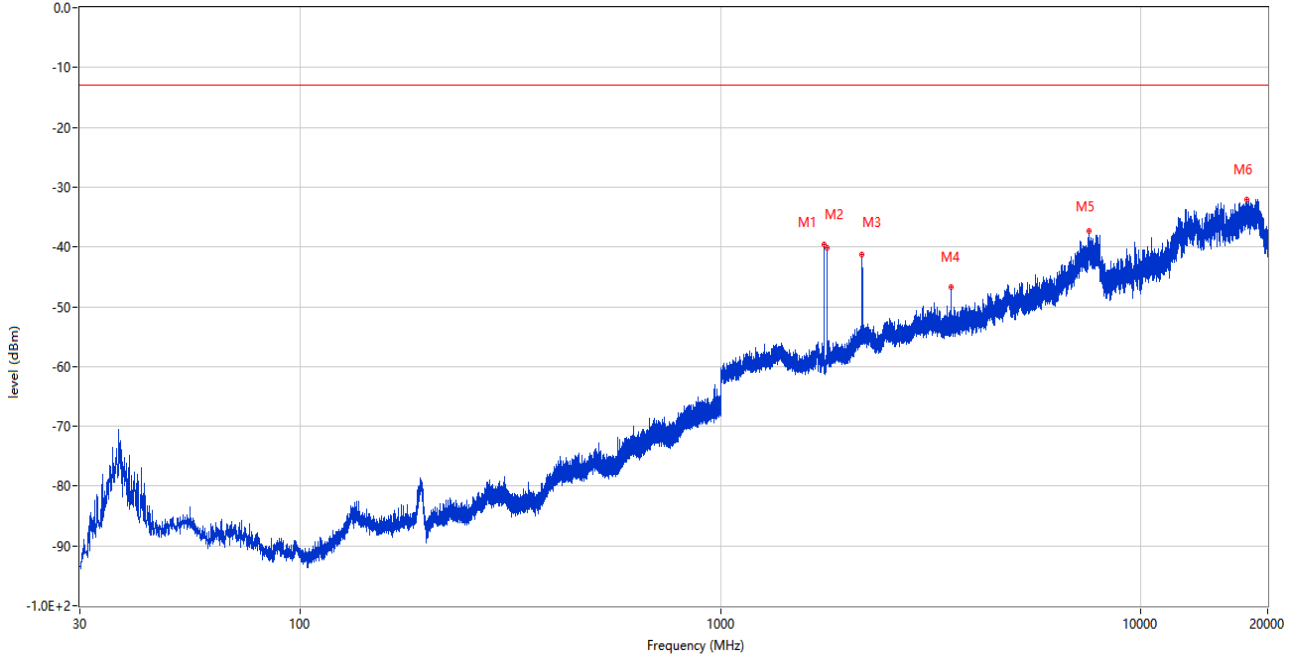
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1766.000	-43.74	-4.30	-13.0	30.74	346.00	Horizontal	Vertical	N/A
1792.700	-43.90	-4.56	-13.0	30.90	1.00	Horizontal	Vertical	N/A
2172.600	-28.92	-1.21	-13.0	15.92	254.00	Horizontal	Vertical	N/A
4827.250	-45.80	7.65	-13.0	32.80	113.00	Horizontal	Vertical	Pass
7580.000	-37.76	15.50	-13.0	24.76	257.00	Horizontal	Vertical	Pass
17792.637	-31.69	26.37	-13.0	18.69	187.00	Horizontal	Vertical	Pass

Band:LTE B66,Channel:HIGH range,BW15

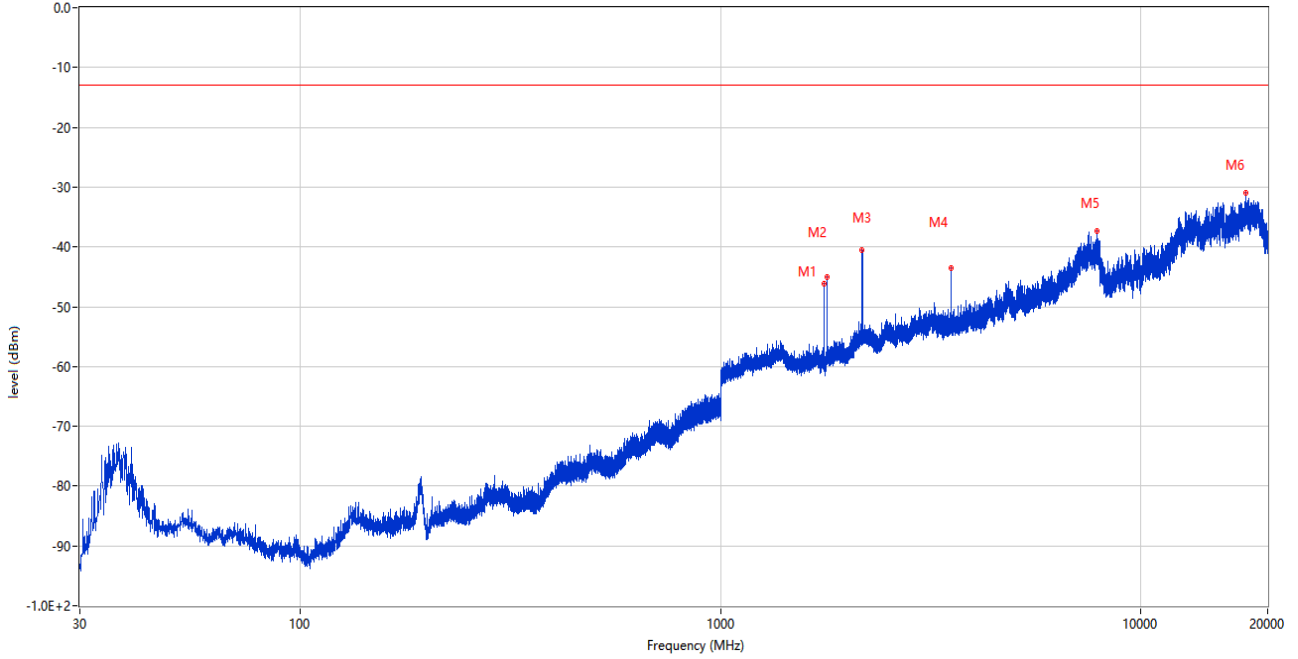
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1766.100	-39.67	-4.30	-13.0	26.67	39.00	Vertical	Vertical	N/A
1792.700	-40.14	-4.56	-13.0	27.14	39.00	Vertical	Vertical	N/A
2168.300	-41.20	-1.10	-13.0	28.20	360.00	Vertical	Vertical	N/A
3532.000	-46.65	3.83	-13.0	33.65	0.00	Vertical	Vertical	Pass
7530.250	-37.39	16.36	-13.0	24.39	54.00	Vertical	Vertical	Pass
17862.474	-32.08	25.76	-13.0	19.08	299.00	Vertical	Vertical	Pass

Band:LTE B66,Channel:HIGH range,BW15

RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1765.900	-46.20	-4.30	-13.0	33.20	39.00	Vertical	Horizontal	N/A
1792.800	-44.98	-4.56	-13.0	31.98	27.00	Vertical	Horizontal	N/A
2167.200	-40.59	-1.09	-13.0	27.59	360.00	Vertical	Horizontal	N/A
3532.000	-43.56	3.83	-13.0	30.56	201.00	Vertical	Horizontal	Pass
7864.250	-37.34	16.82	-13.0	24.34	221.00	Vertical	Horizontal	Pass
17788.938	-30.97	26.32	-13.0	17.97	0.00	Vertical	Horizontal	Pass

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