

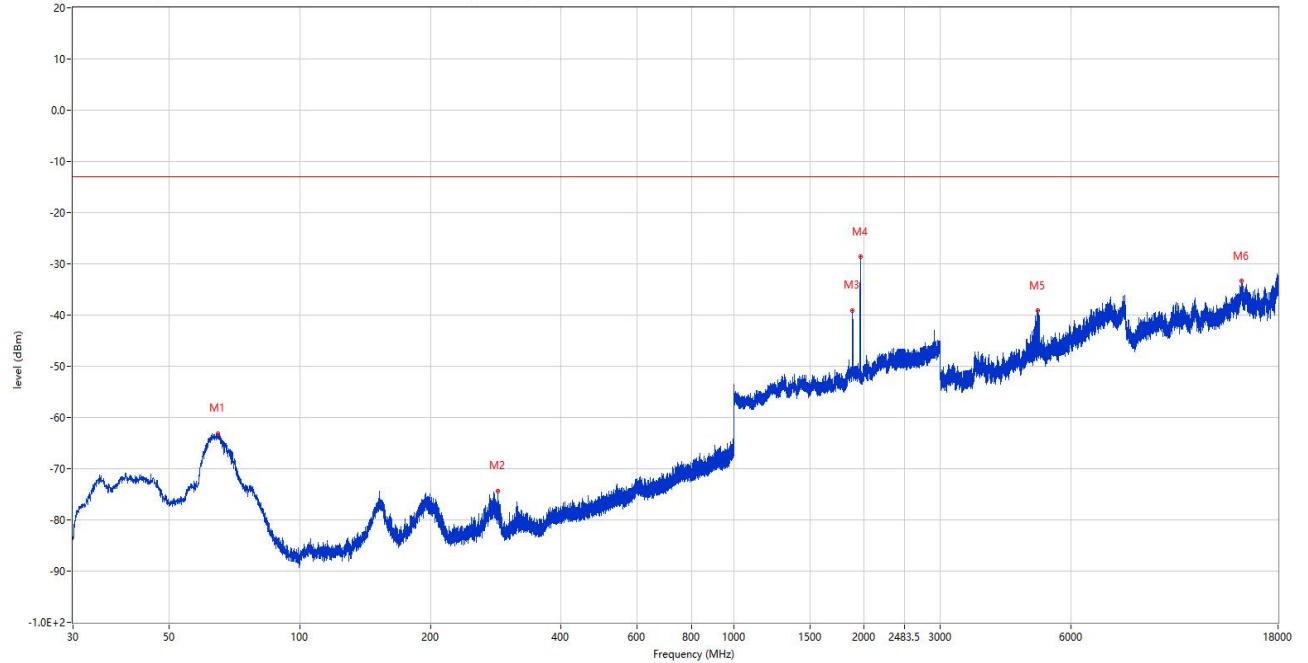
A.7 Field Strength of Spurious Radiation

1. WCDMA

1.1 WCDMA Band 2

Band:WCDMA B2,Channel:Mid Range

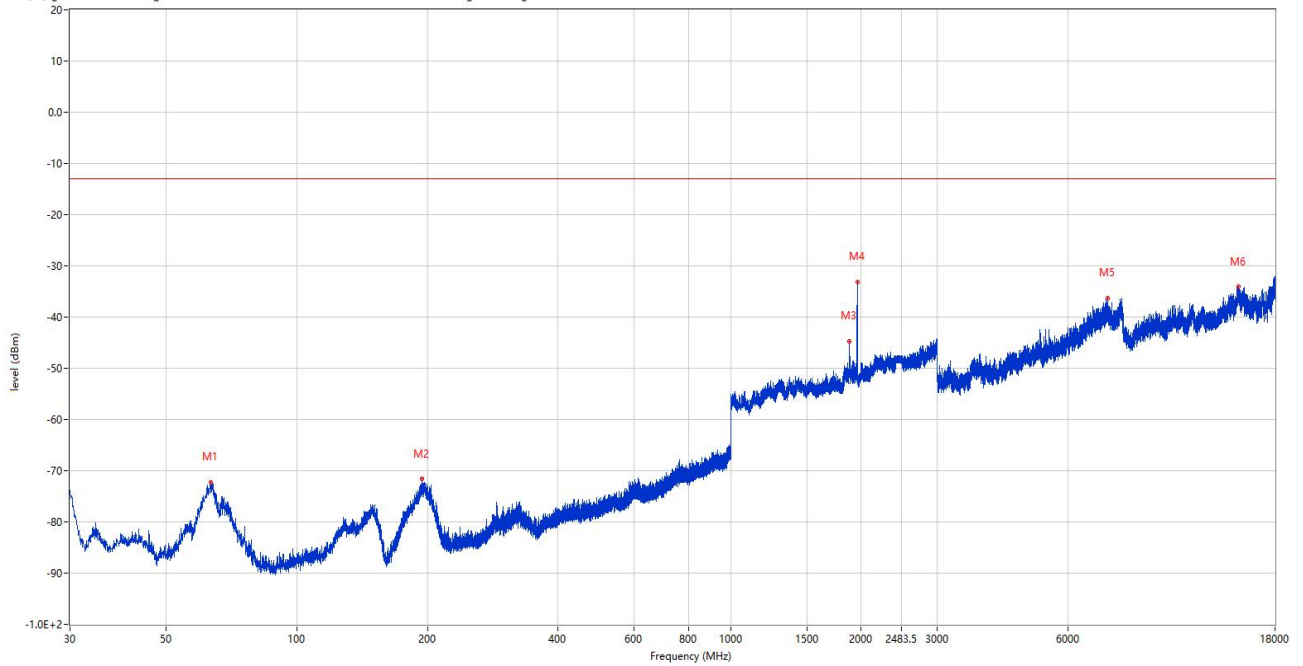
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
64.726	-63.09	-17.22	-13.0	50.09	144.00	Vertical	Horizontal	Pass
285.838	-74.37	-13.00	-13.0	61.37	164.00	Vertical	Horizontal	Pass
1881.700	-39.21	3.42	-13.0	26.21	77.00	Vertical	Horizontal	N/A
1959.700	-28.67	2.91	-13.0	15.67	170.00	Vertical	Horizontal	N/A
5024.500	-39.14	10.12	-13.0	26.14	335.00	Vertical	Horizontal	Pass
14866.400	-33.25	23.61	-13.0	20.25	158.00	Vertical	Horizontal	Pass

Band:WCDMA B2,Channel:Mid Range

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

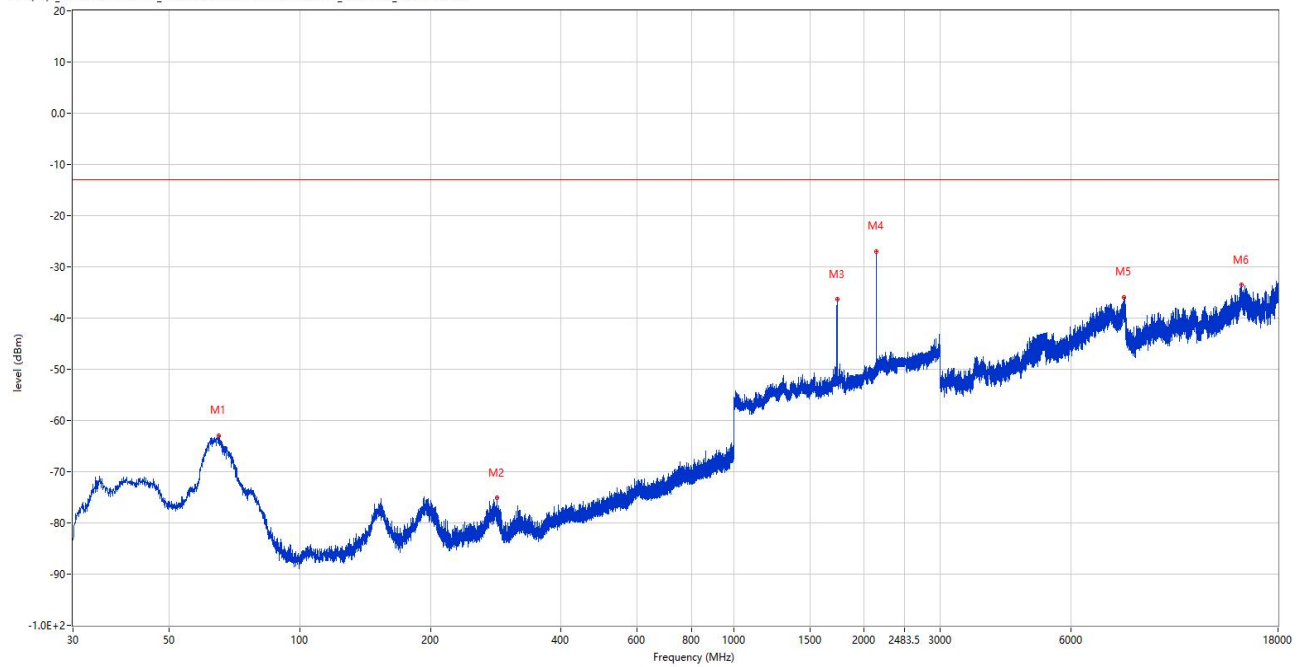


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.222	-72.37	-16.63	-13.0	59.37	157.00	Horizontal	Horizontal	Pass
194.172	-71.65	-16.88	-13.0	58.65	221.00	Horizontal	Horizontal	Pass
1882.100	-44.78	3.42	-13.0	31.78	39.00	Horizontal	Horizontal	N/A
1959.900	-33.10	2.92	-13.0	20.10	59.00	Horizontal	Horizontal	N/A
7401.250	-36.33	18.95	-13.0	23.33	90.00	Horizontal	Horizontal	Pass
14804.000	-34.11	24.37	-13.0	21.11	17.00	Horizontal	Horizontal	Pass

1.2 WCDMA Band 4

Band:WCDMA B4,Channel:Mid Range

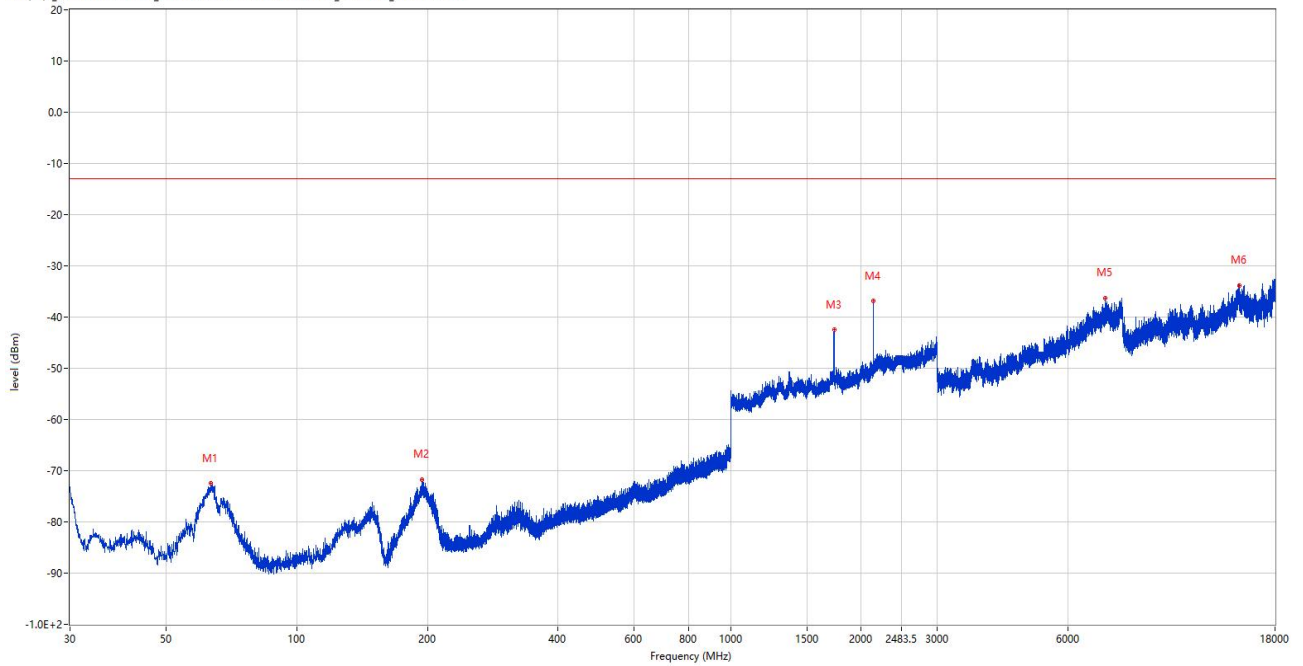
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
65.162	-62.97	-17.38	-13.0	49.97	89.00	Vertical	Horizontal	Pass
285.062	-75.10	-13.02	-13.0	62.10	194.00	Vertical	Horizontal	Pass
1734.600	-36.33	2.76	-13.0	23.33	102.00	Vertical	Horizontal	N/A
2133.700	-27.01	4.04	-13.0	14.01	175.00	Vertical	Horizontal	N/A
7960.250	-36.03	19.79	-13.0	23.03	322.00	Vertical	Horizontal	Pass
14844.225	-33.59	23.68	-13.0	20.59	281.00	Vertical	Horizontal	Pass

Band:WCDMA B4,Channel:Mid Range

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

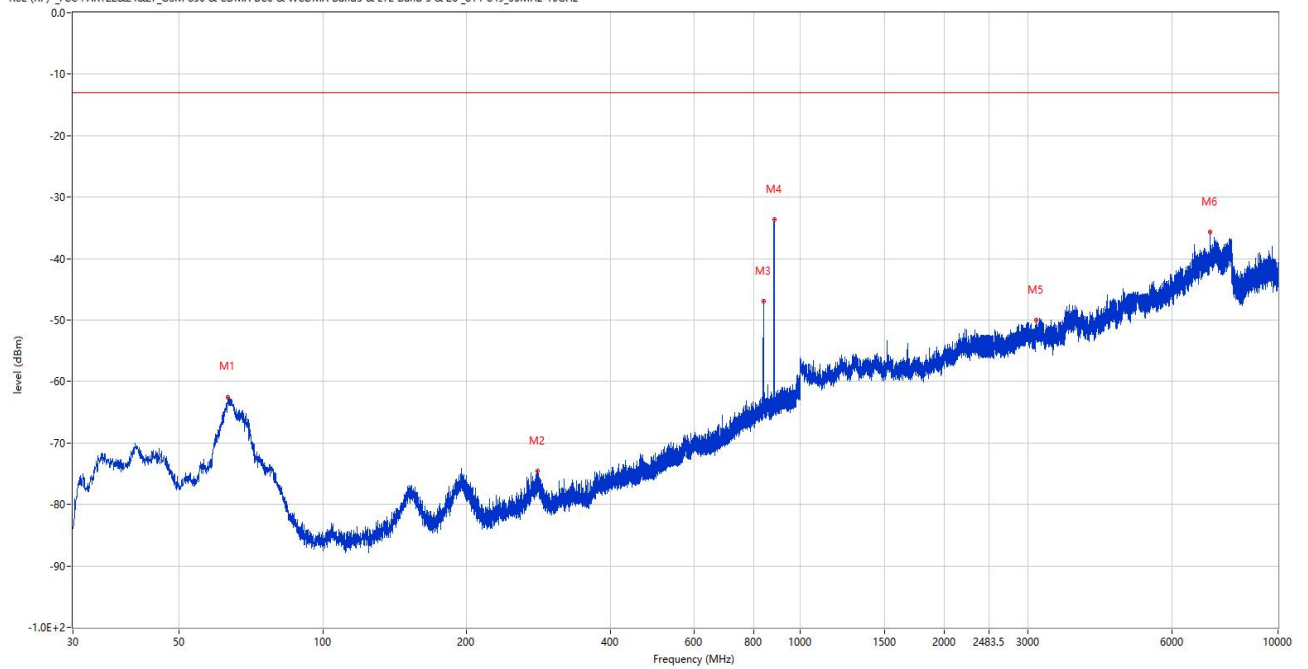


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.368	-72.54	-16.69	-13.0	59.54	130.00	Horizontal	Horizontal	Pass
194.754	-71.74	-16.78	-13.0	58.74	212.00	Horizontal	Horizontal	Pass
1734.400	-42.51	2.76	-13.0	29.51	136.00	Horizontal	Horizontal	N/A
2134.100	-36.87	4.06	-13.0	23.87	31.00	Horizontal	Horizontal	N/A
7316.000	-36.37	17.69	-13.0	23.37	155.00	Horizontal	Horizontal	Pass
14919.037	-33.87	23.87	-13.0	20.87	360.00	Horizontal	Horizontal	Pass

1.3 WCDMA Band 5

Band:WCDMA B5,Channel:Mid Range

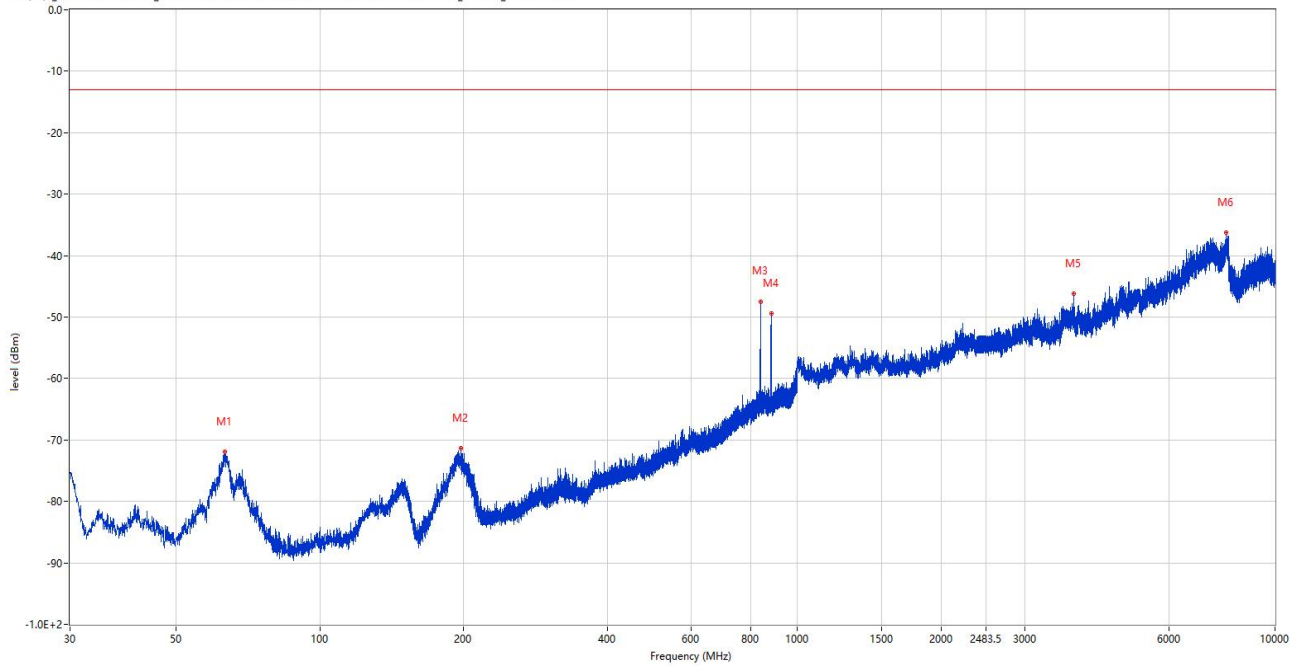
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.416	-62.51	-15.60	-13.0	49.51	117.00	Vertical	Horizontal	Pass
282.054	-74.62	-10.29	-13.0	61.62	156.00	Vertical	Horizontal	Pass
837.574	-46.95	5.74	-13.0	33.95	121.00	Vertical	Horizontal	N/A
881.321	-33.69	5.77	-13.0	20.69	309.00	Vertical	Horizontal	N/A
3118.000	-50.02	5.04	-13.0	37.02	90.00	Vertical	Horizontal	Pass
7219.250	-35.67	18.52	-13.0	22.67	10.00	Vertical	Horizontal	Pass

Band:WCDMA B5,Channel:Mid Range

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



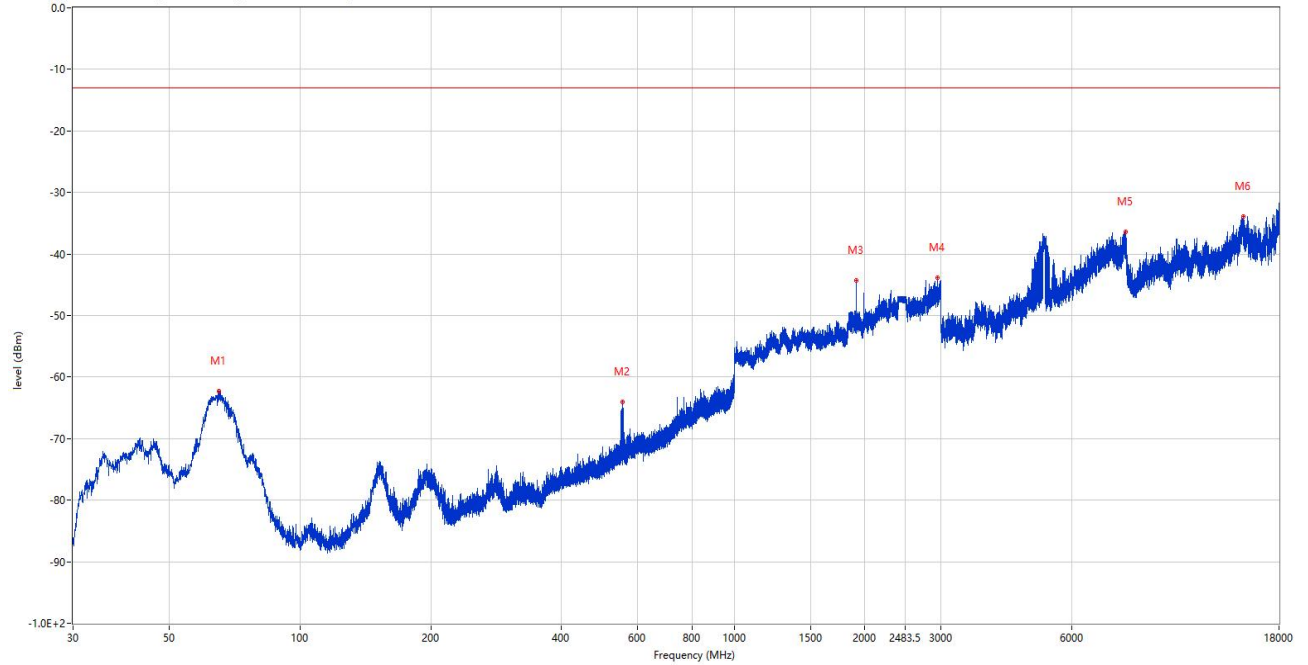
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.319	-71.90	-15.55	-13.0	58.90	159.00	Horizontal	Horizontal	Pass
197.471	-71.31	-15.28	-13.0	58.31	216.00	Horizontal	Horizontal	Pass
837.622	-47.46	5.74	-13.0	34.46	224.00	Horizontal	Horizontal	N/A
882.436	-49.37	5.74	-13.0	36.37	166.00	Horizontal	Horizontal	N/A
3784.500	-46.17	7.69	-13.0	33.17	167.00	Horizontal	Horizontal	Pass
7912.250	-36.25	19.33	-13.0	23.25	182.00	Horizontal	Horizontal	Pass

2. LTE

2.1 LTE Band 2

Band:LTE B2,Channel:19193,BW1.4

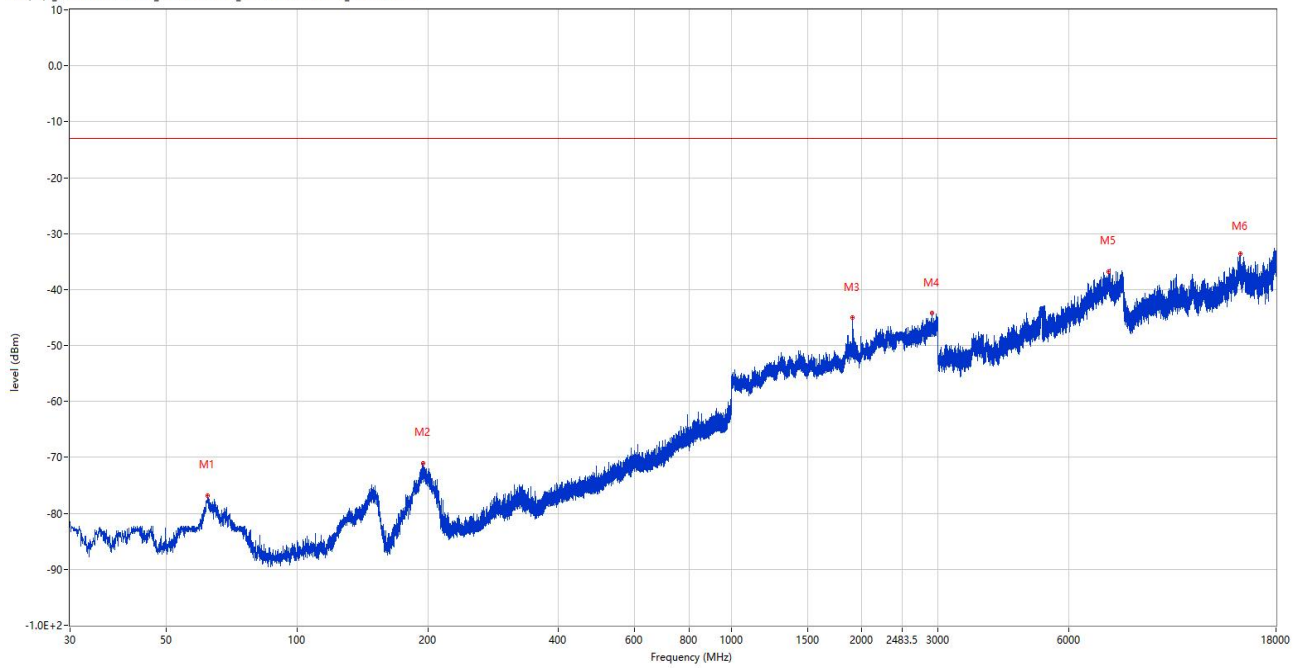
RSE (RF) _FCC PART22&24&27_LTE Band 2 & 5 _1830-1920 & 824-849_30MHz-18GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
65.162	-62.26	-16.41	-13.0	49.26	121.00	Vertical	Vertical	Pass
554.140	-64.01	-2.83	-13.0	51.01	103.00	Vertical	Vertical	Pass
1910.000	-44.30	3.52	-13.0	31.30	86.00	Vertical	Vertical	N/A
2946.700	-43.87	9.13	-13.0	30.87	319.00	Vertical	Vertical	Pass
7975.250	-36.37	19.83	-13.0	23.37	360.00	Vertical	Vertical	Pass
14928.800	-33.93	23.64	-13.0	20.93	12.00	Vertical	Vertical	Pass

Band:LTE B2,Channel:19193,BW1.4

RSE (RF) _FCC PART22&24&27_LTE Band 2 & 5 _1830-1920 & 824-849_30MHz-18GHz

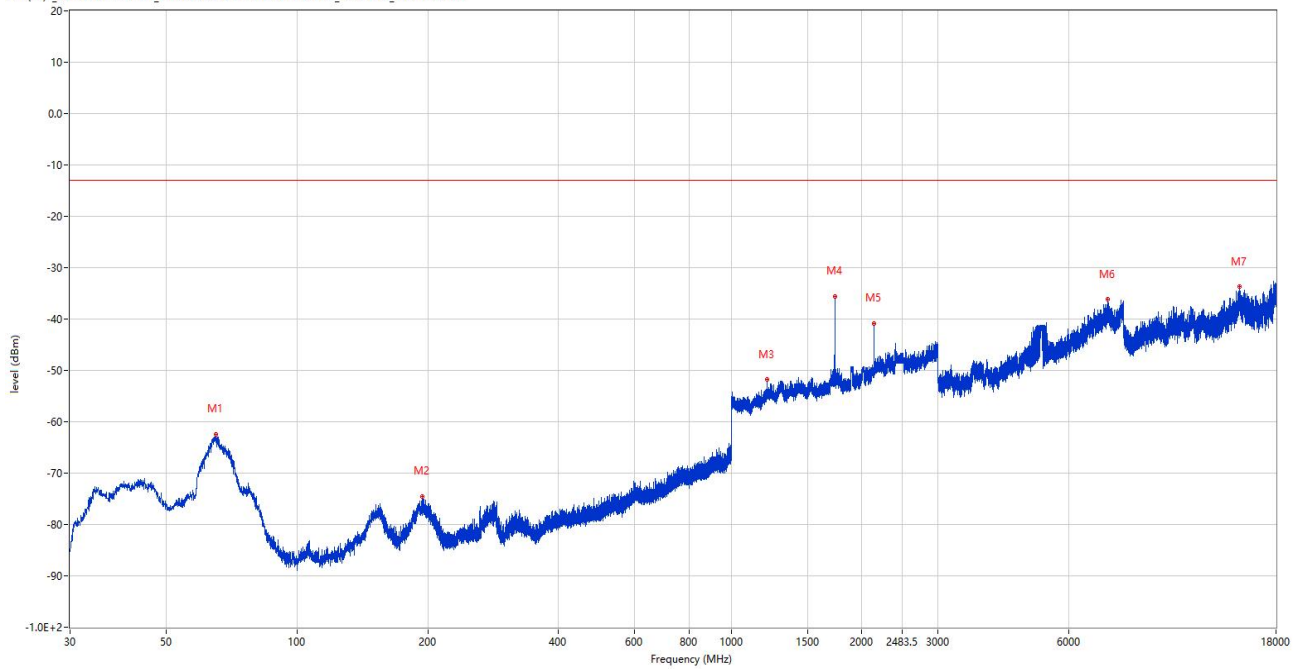


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
62.301	-72.91	-15.28	-13.0	59.91	154.00	Horizontal	Vertical	Pass
195.142	-71.13	-15.00	-13.0	58.13	249.00	Horizontal	Vertical	Pass
1905.500	-45.07	3.51	-13.0	32.07	0.00	Horizontal	Vertical	N/A
2902.900	-44.12	9.31	-13.0	31.12	158.00	Horizontal	Vertical	Pass
7404.500	-36.79	19.01	-13.0	23.79	334.00	Horizontal	Vertical	Pass
14899.401	-33.62	24.21	-13.0	20.62	49.00	Horizontal	Vertical	Pass

2.2 LTE Band 4

Band:LTE B4,Channel:20393,BW1.4

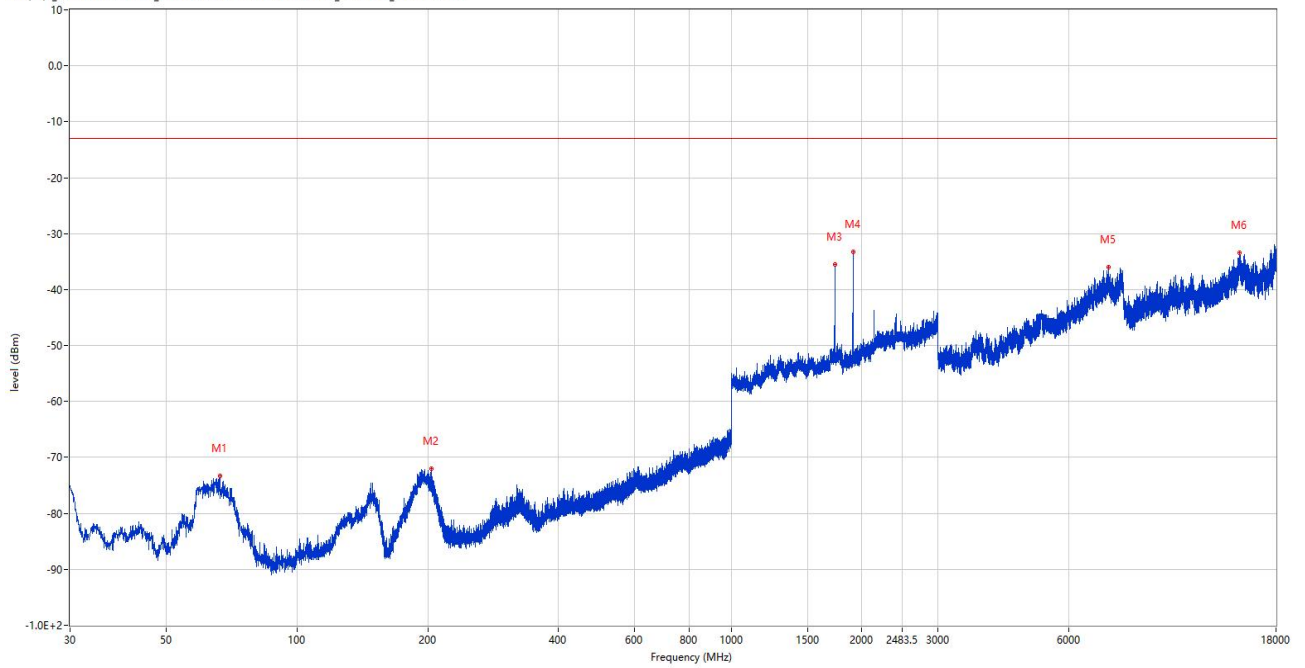
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
65.017	-62.39	-17.33	-13.0	49.39	115.00	Vertical	Vertical	Pass
194.366	-74.55	-16.85	-13.0	61.55	119.00	Vertical	Vertical	Pass
1210.500	-51.75	0.07	-13.0	38.75	188.00	Vertical	Vertical	Pass
1733.000	-35.55	2.78	-13.0	22.55	98.00	Vertical	Vertical	N/A
2133.400	-40.90	4.03	-13.0	27.90	259.00	Vertical	Vertical	N/A
7362.250	-36.17	17.99	-13.0	23.17	171.00	Vertical	Vertical	Pass

Band:LTE B4,Channel:20393,BW1.4

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

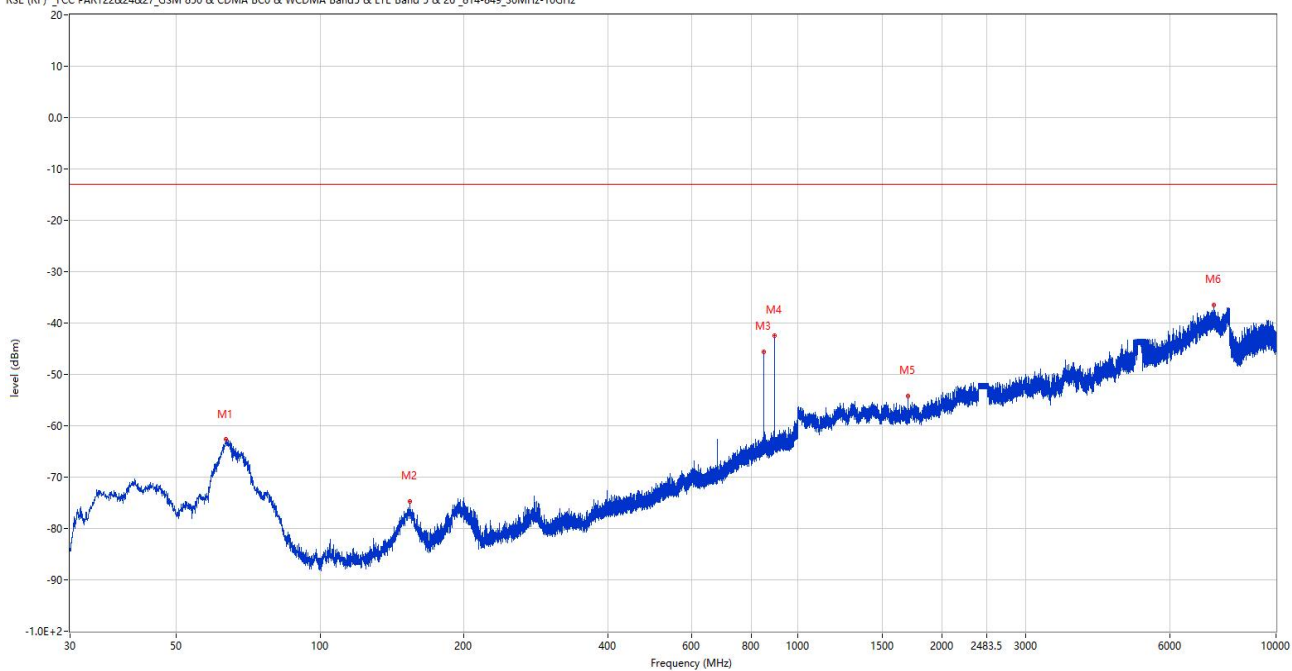


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.424	-73.24	-17.66	-13.0	60.24	153.00	Horizontal	Vertical	Pass
203.872	-72.08	-18.16	-13.0	59.08	72.00	Horizontal	Vertical	Pass
1733.000	-35.47	2.78	-13.0	22.47	95.00	Horizontal	Vertical	N/A
1910.600	-33.20	1.87	-13.0	20.20	160.00	Horizontal	Vertical	N/A
7408.500	-36.07	19.09	-13.0	23.07	53.00	Horizontal	Vertical	Pass
14818.500	-33.44	24.54	-13.0	20.44	281.00	Horizontal	Vertical	Pass

2.3 LTE Band 5

Band:LTE B5,Channel:20643,BW1.4

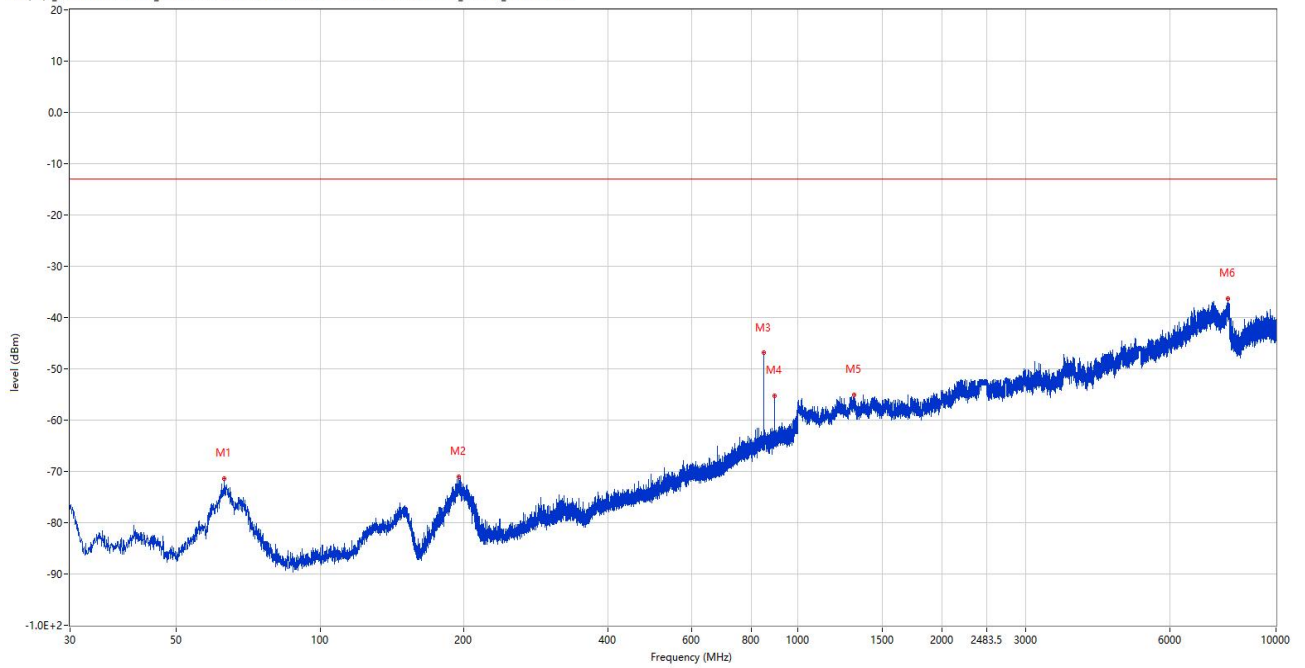
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.562	-62.71	-15.66	-13.0	49.71	131.00	Vertical	Vertical	Pass
154.160	-74.73	-19.26	-13.0	61.73	153.00	Vertical	Vertical	Pass
848.244	-45.62	5.80	-13.0	32.62	92.00	Vertical	Vertical	N/A
893.542	-42.44	6.35	-13.0	29.44	330.00	Vertical	Vertical	N/A
1697.000	-54.13	-4.04	-13.0	41.13	65.00	Vertical	Vertical	Pass
7418.000	-36.42	18.76	-13.0	23.42	295.00	Vertical	Vertical	Pass

Band:LTE B5,Channel:20643,BW1.4

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

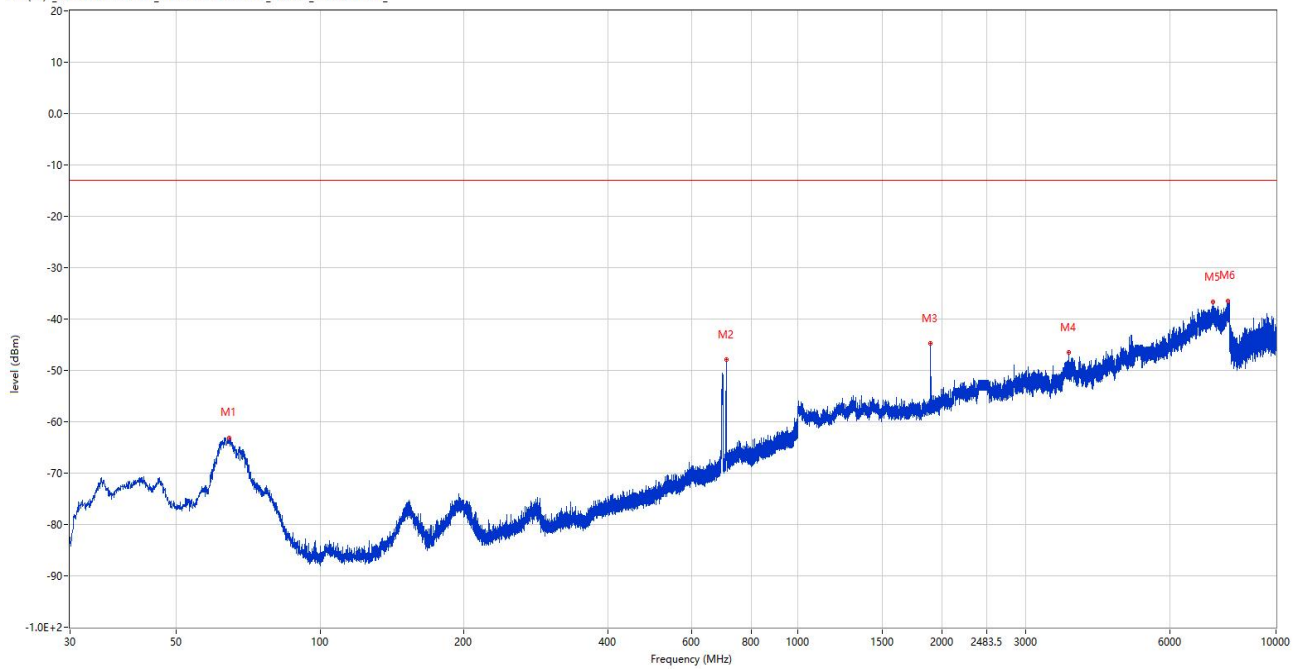


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.077	-71.38	-15.45	-13.0	58.38	154.00	Horizontal	Vertical	Pass
195.094	-70.99	-14.62	-13.0	57.99	244.00	Horizontal	Vertical	Pass
848.244	-46.86	5.80	-13.0	33.86	172.00	Horizontal	Vertical	N/A
893.446	-55.33	6.35	-13.0	42.33	172.00	Horizontal	Vertical	N/A
1308.500	-55.07	-2.37	-13.0	42.07	86.00	Horizontal	Vertical	Pass
7947.500	-36.30	19.63	-13.0	23.30	131.00	Horizontal	Vertical	Pass

2.4 LTE Band 12

Band:LTE B12,Channel:23130,BW10

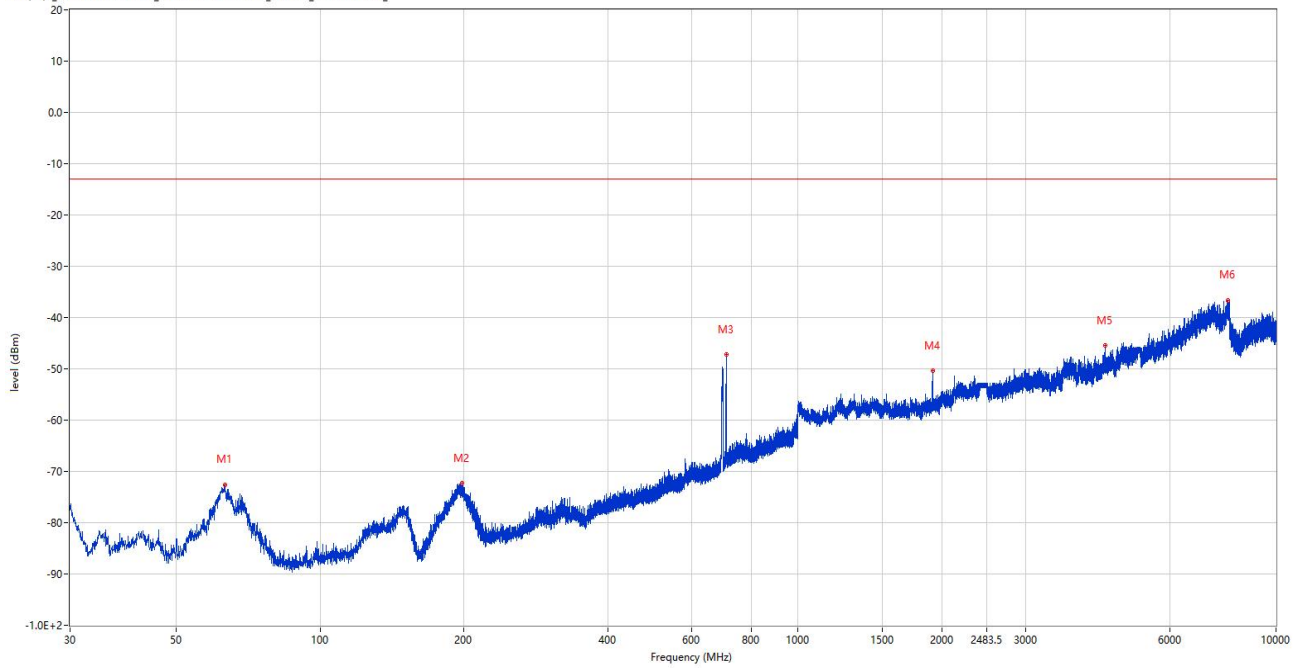
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
64.580	-63.10	-16.20	-13.0	50.10	143.00	Vertical	Vertical	Pass
709.679	-47.98	2.40	-13.0	34.98	102.00	Vertical	Vertical	N/A
1890.500	-44.76	-3.17	-13.0	31.76	213.00	Vertical	Vertical	Pass
3678.500	-46.53	8.25	-13.0	33.53	269.00	Vertical	Vertical	Pass
7392.750	-36.69	18.60	-13.0	23.69	1.00	Vertical	Vertical	Pass
7930.250	-36.49	19.12	-13.0	23.49	140.00	Vertical	Vertical	Pass

Band:LTE B12,Channel:23130,BW10

RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_

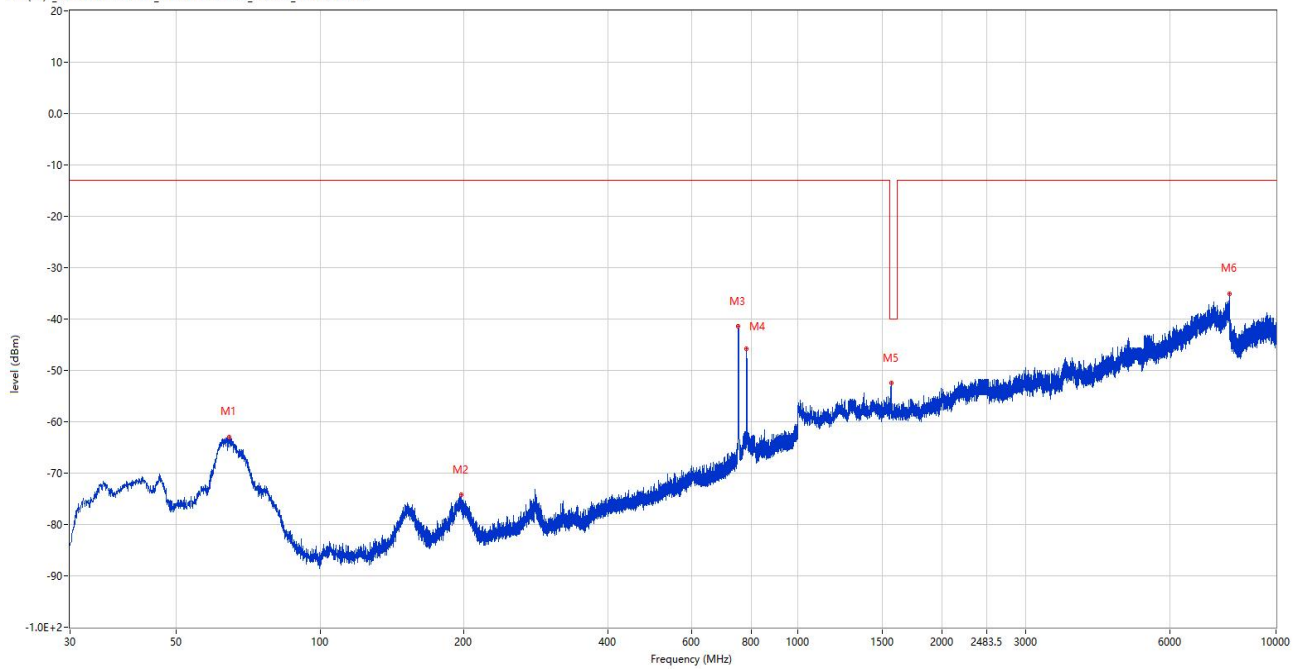


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.319	-72.58	-15.70	-13.0	59.58	119.00	Horizontal	Vertical	Pass
198.053	-72.34	-15.66	-13.0	59.34	62.00	Horizontal	Vertical	Pass
709.485	-47.23	2.39	-13.0	34.23	233.00	Horizontal	Vertical	N/A
1912.500	-50.43	-2.77	-13.0	37.43	112.00	Horizontal	Vertical	Pass
4394.750	-45.44	9.18	-13.0	32.44	198.00	Horizontal	Vertical	Pass
7917.500	-36.66	19.28	-13.0	23.66	359.00	Horizontal	Vertical	Pass

2.5 LTE Band 13

Band:LTE B13,Channel:23230,BW10

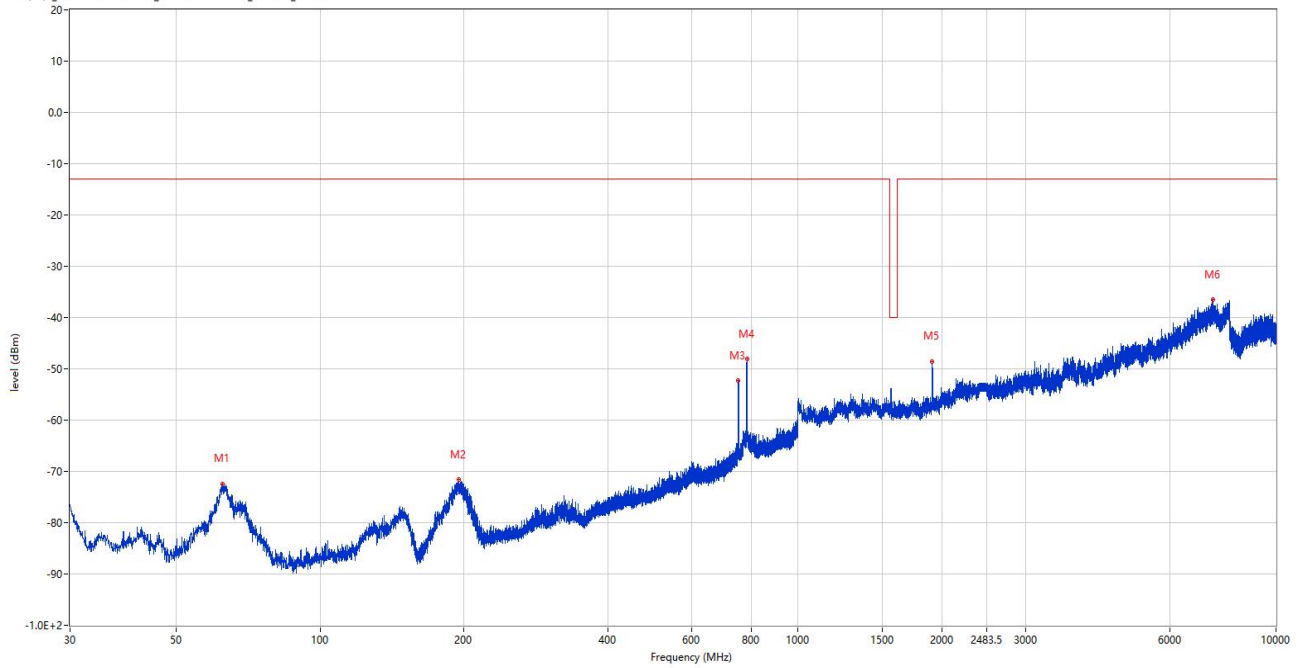
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
64.532	-62.96	-16.15	-13.0	49.96	102.00	Vertical	Vertical	Pass
197.277	-74.27	-15.60	-13.0	61.27	109.00	Vertical	Vertical	Pass
750.758	-41.45	3.33	-13.0	28.45	231.00	Vertical	Vertical	N/A
780.586	-45.70	6.44	-13.0	32.70	102.00	Vertical	Vertical	N/A
1567.200	-52.54	-4.21	-40.0	12.54	73.00	Vertical	Vertical	Pass
7995.000	-35.09	20.05	-13.0	22.09	306.00	Vertical	Vertical	Pass

Band:LTE B13,Channel:23230,BW10

RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz

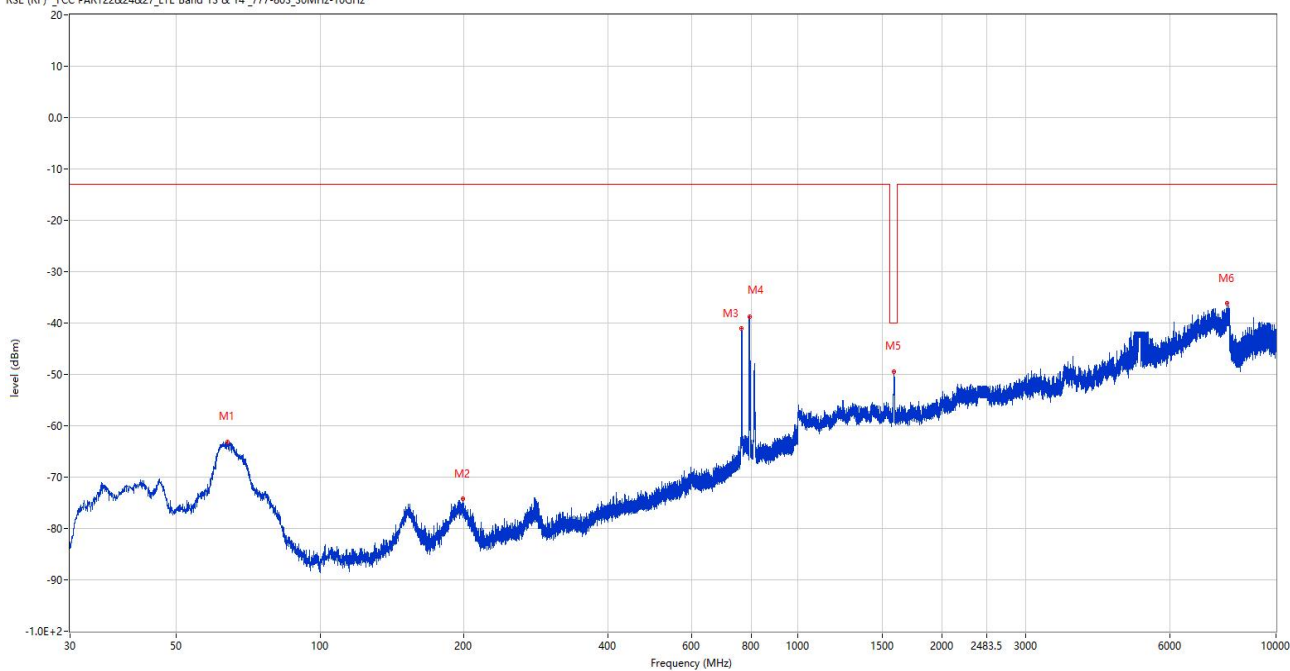


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
62.592	-72.53	-15.38	-13.0	59.53	152.00	Horizontal	Vertical	Pass
195.434	-71.64	-15.04	-13.0	58.64	233.00	Horizontal	Vertical	Pass
749.643	-52.28	3.17	-13.0	39.28	323.00	Horizontal	Vertical	N/A
784.223	-48.10	6.24	-13.0	35.10	344.00	Horizontal	Vertical	N/A
1906.500	-48.58	-2.91	-13.0	35.58	26.00	Horizontal	Vertical	Pass
7370.000	-36.49	18.26	-13.0	23.49	276.00	Horizontal	Vertical	Pass

2.6 LTE Band 14

Band:LTE B14,Channel:23355,BW5

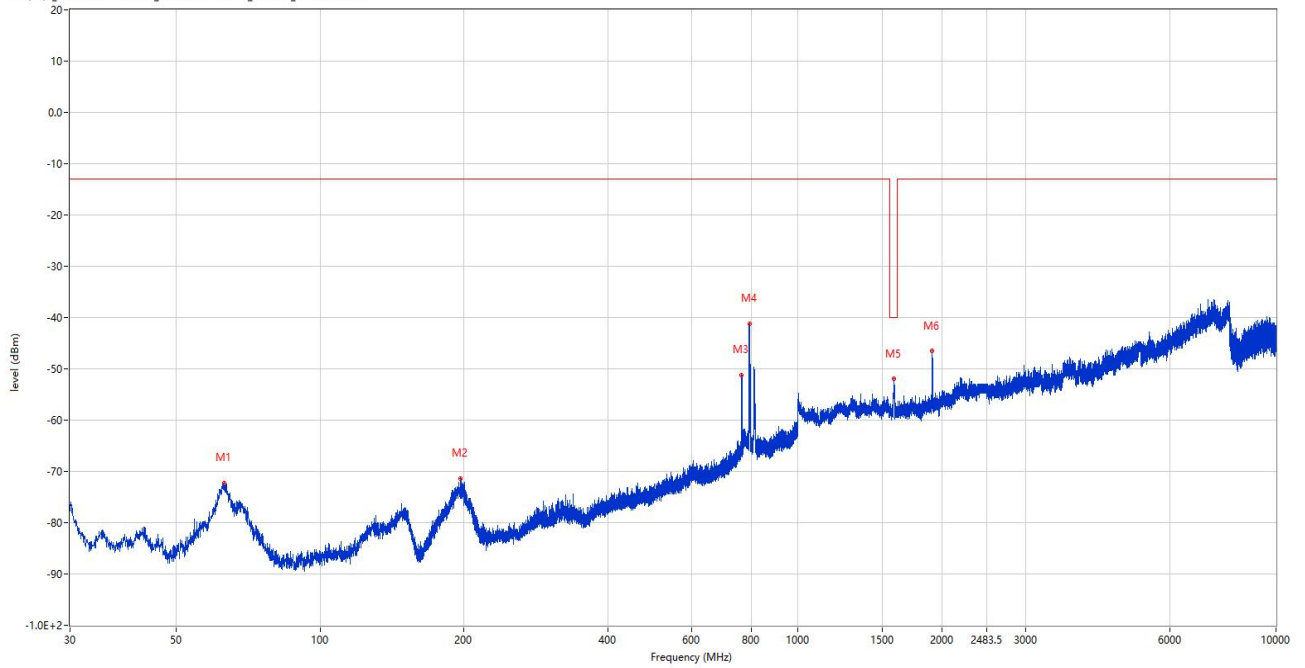
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
64.095	-63.23	-15.99	-13.0	50.23	122.00	Vertical	Vertical	Pass
199.071	-74.22	-16.14	-13.0	61.22	153.00	Vertical	Vertical	Pass
762.205	-41.06	3.99	-13.0	28.06	316.00	Vertical	Vertical	N/A
790.868	-38.75	5.87	-13.0	25.75	135.00	Vertical	Vertical	N/A
1586.900	-49.40	-3.96	-40.0	9.40	82.00	Vertical	Vertical	Pass
7895.500	-36.20	19.06	-13.0	23.20	316.00	Vertical	Vertical	Pass

Band:LTE B14,Channel:23355,BW5

RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz

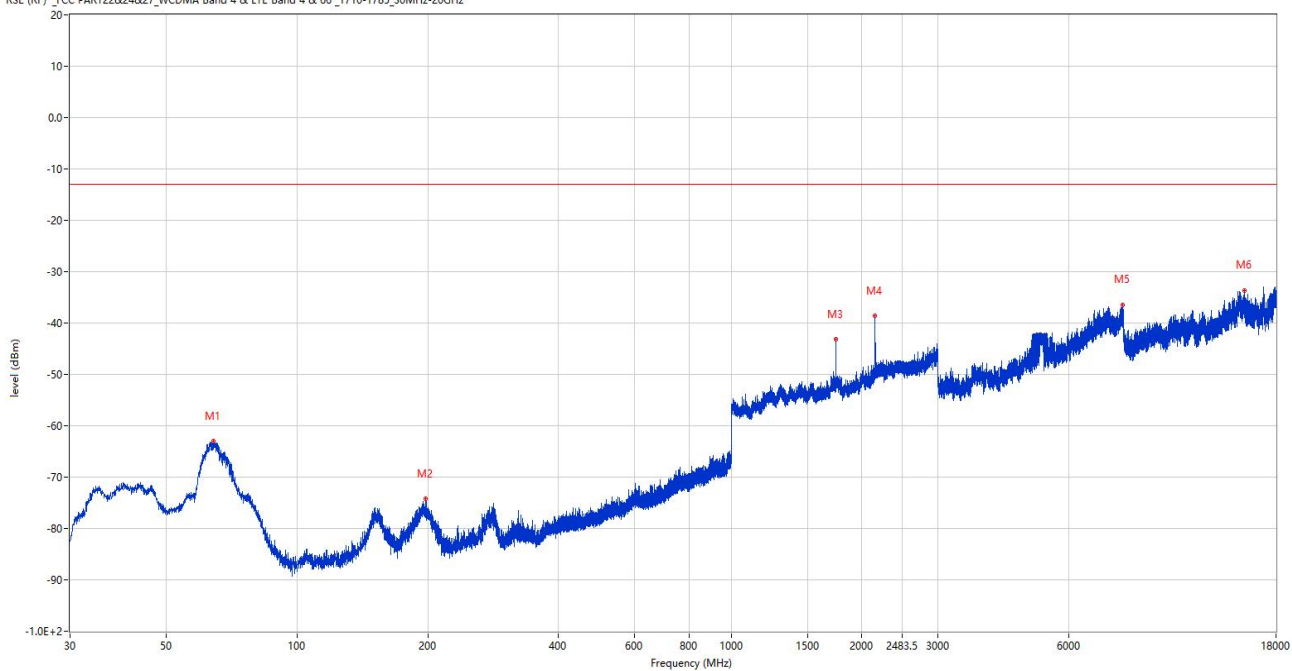


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
62.931	-72.34	-15.52	-13.0	59.34	130.00	Horizontal	Vertical	Pass
197.034	-71.34	-15.53	-13.0	58.34	236.00	Horizontal	Vertical	Pass
761.283	-51.15	3.99	-13.0	38.15	304.00	Horizontal	Vertical	N/A
790.868	-41.18	5.87	-13.0	28.18	347.00	Horizontal	Vertical	N/A
1589.400	-51.93	-3.93	-40.0	11.93	86.00	Horizontal	Vertical	Pass
1909.800	-46.57	-2.84	-13.0	33.57	14.00	Horizontal	Vertical	Pass

2.7 LTE Band 66

Band:LTE B66,Channel:132665,BW1.4

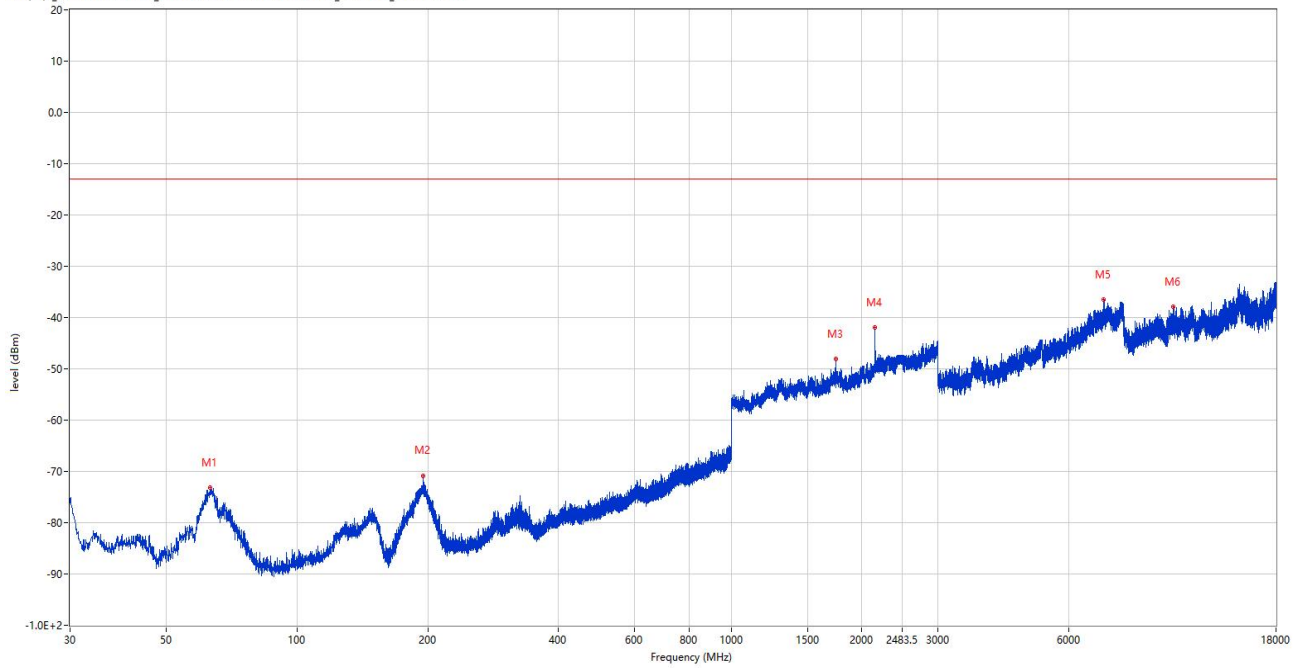
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
64.241	-63.00	-17.05	-13.0	50.00	132.00	Vertical	Vertical	Pass
197.471	-74.24	-17.49	-13.0	61.24	121.00	Vertical	Vertical	Pass
1744.300	-43.20	2.66	-13.0	30.20	107.00	Vertical	Vertical	N/A
2145.500	-38.66	4.52	-13.0	25.66	256.00	Vertical	Vertical	N/A
7964.750	-36.43	19.79	-13.0	23.43	47.00	Vertical	Vertical	Pass
15247.688	-33.66	22.78	-13.0	20.66	272.00	Vertical	Vertical	Pass

Band:LTE B66,Channel:132665,BW1.4

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

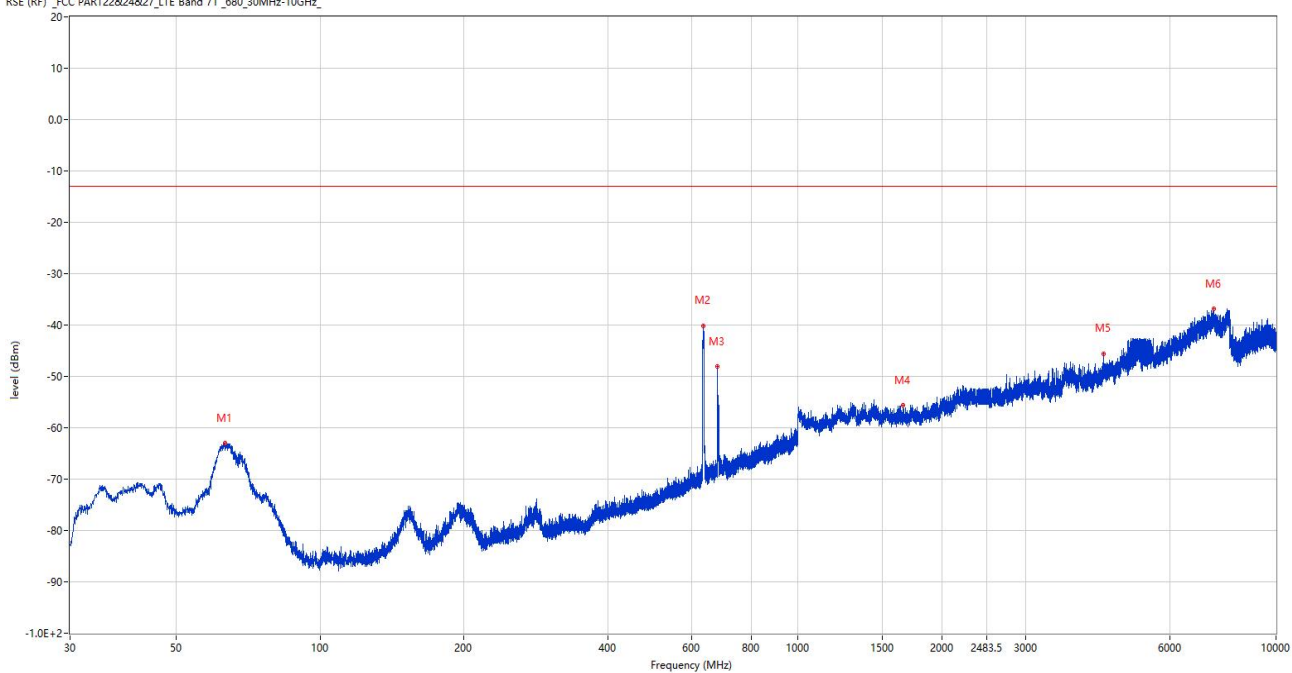


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.029	-73.21	-16.54	-13.0	60.21	171.00	Horizontal	Vertical	Pass
194.900	-70.80	-16.76	-13.0	57.80	244.00	Horizontal	Vertical	Pass
1744.000	-48.11	2.66	-13.0	35.11	167.00	Horizontal	Vertical	N/A
2145.000	-41.95	4.50	-13.0	28.95	26.00	Horizontal	Vertical	N/A
7214.000	-36.54	18.23	-13.0	23.54	256.00	Horizontal	Vertical	Pass
10457.650	-37.93	17.38	-13.0	24.93	229.00	Horizontal	Vertical	Pass

2.8 LTE Band 71

Band:LTE B71,Channel:133297,BW20

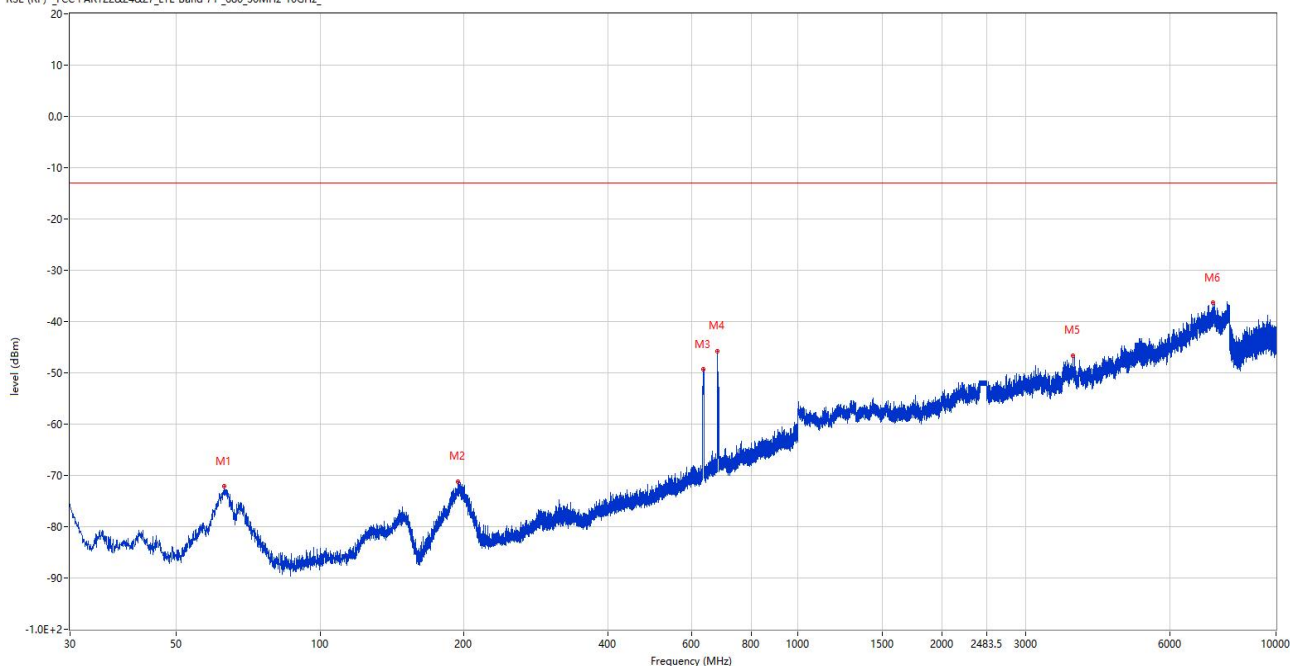
RSE (RF) _FCC PART22&24&27_LTE Band 71 _680_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.319	-63.02	-15.67	-13.0	50.02	127.00	Vertical	Vertical	Pass
634.359	-40.16	-0.23	-13.0	27.16	172.00	Vertical	Vertical	N/A
679.124	-48.02	2.15	-13.0	35.02	205.00	Vertical	Vertical	N/A
1659.000	-55.64	-3.67	-13.0	42.64	26.00	Vertical	Vertical	Pass
4365.500	-45.59	9.04	-13.0	32.59	26.00	Vertical	Vertical	Pass
7400.000	-36.88	18.92	-13.0	23.88	236.00	Vertical	Vertical	Pass

Band:LTE B71,Channel:133297,BW20

RSE (RF) _FCC PART22&24&27_LTE Band 71 _680_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
63.029	-72.11	-15.55	-13.0	59.11	148.00	Horizontal	Vertical	Pass
194.415	-71.21	-14.90	-13.0	58.21	228.00	Horizontal	Vertical	Pass
634.746	-49.35	-0.23	-13.0	36.35	179.00	Horizontal	Vertical	N/A
679.076	-45.73	2.15	-13.0	32.73	228.00	Horizontal	Vertical	N/A
3755.500	-46.60	8.75	-13.0	33.60	351.00	Horizontal	Vertical	Pass
7391.500	-36.28	18.54	-13.0	23.28	75.00	Horizontal	Vertical	Pass

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