

Field Strength of Spurious Radiation

GSM and WCDMA Mode Test Verdict

Test Band	Test Channel	Verdict
GPRS 850	190	Pass
GPRS 1900	611	Pass
WCDMA Band 2	9400	Pass
WCDMA Band 4	1412	Pass
WCDMA Band 5	4182	Pass

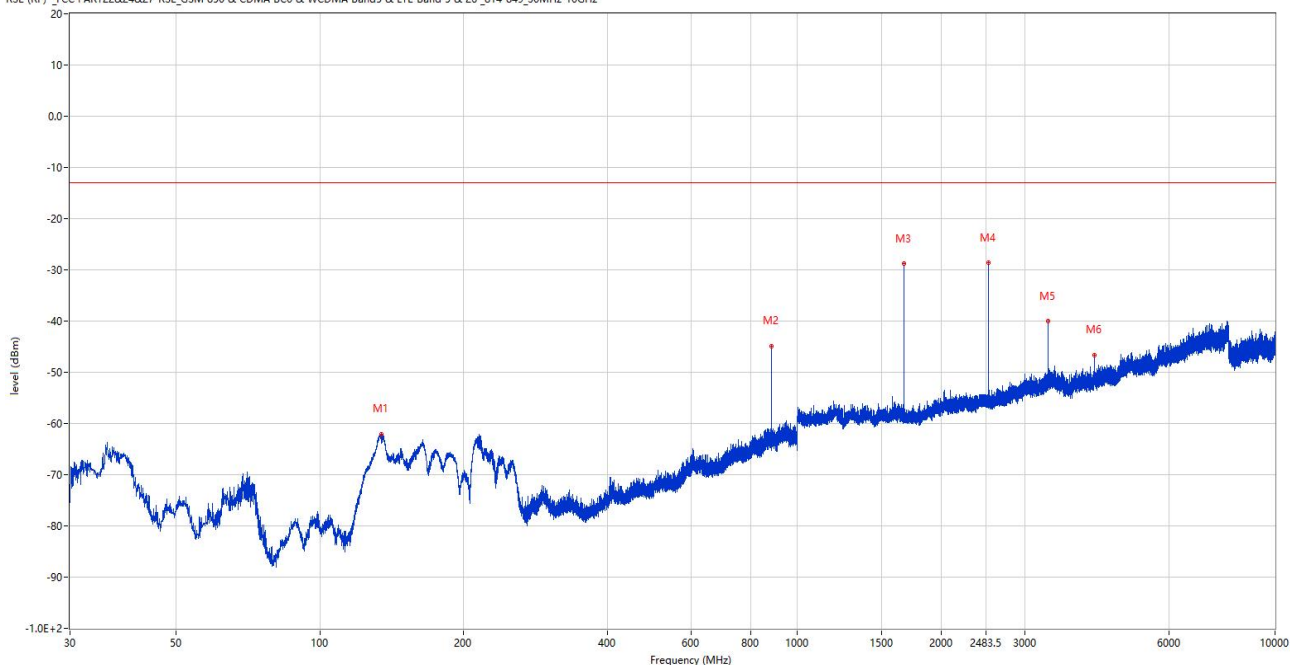
LTE Mode Test Verdict

Test Band	UL Channel	Bandwidth(MHz)	UL RB Number	UL RB Position	UL Modulation	Verdict
Band 2	19193	1.4	1	0	QPSK	Pass
Band 4	20325	15	1	74	16QAM	Pass
Band 5	20643	1.4	1	2	16QAM	Pass
Band 7	21375	15	1	74	16QAM	Pass
Band 38	38200	10	1	24	16QAM	Pass

1. GPRS

1.1 GPRS850

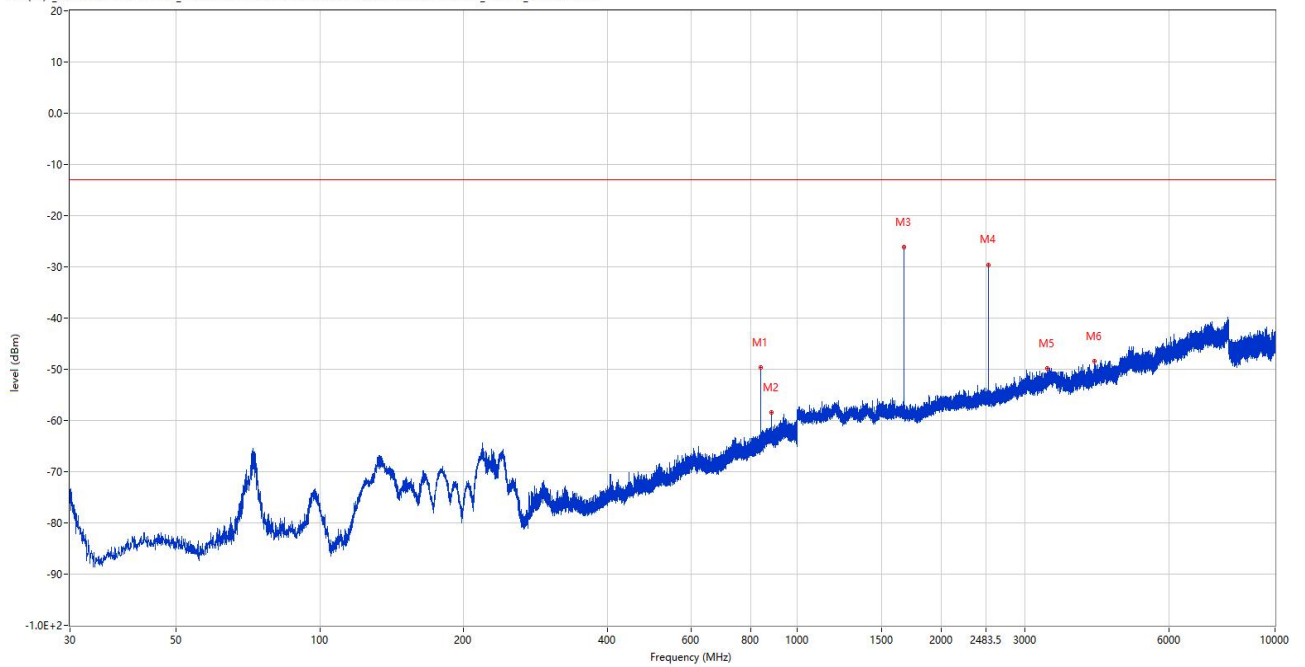
RSE (RF) _FCC PART22&24&27-RSE_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
134.518	-62.06	-16.20	-13.0	49.06	128.00	Vertical	Horizontal	Pass
881.612	-44.83	6.90	-13.0	31.83	123.00	Vertical	Horizontal	N/A
1673.000	-28.85	-4.29	-13.0	15.85	219.00	Vertical	Horizontal	Pass
2509.800	-28.62	-0.45	-13.0	15.62	320.00	Vertical	Horizontal	Pass
3346.250	-40.03	5.48	-13.0	27.03	193.00	Vertical	Horizontal	Pass
4183.000	-46.64	7.41	-13.0	33.64	357.00	Vertical	Horizontal	Pass

Band:GPRS850

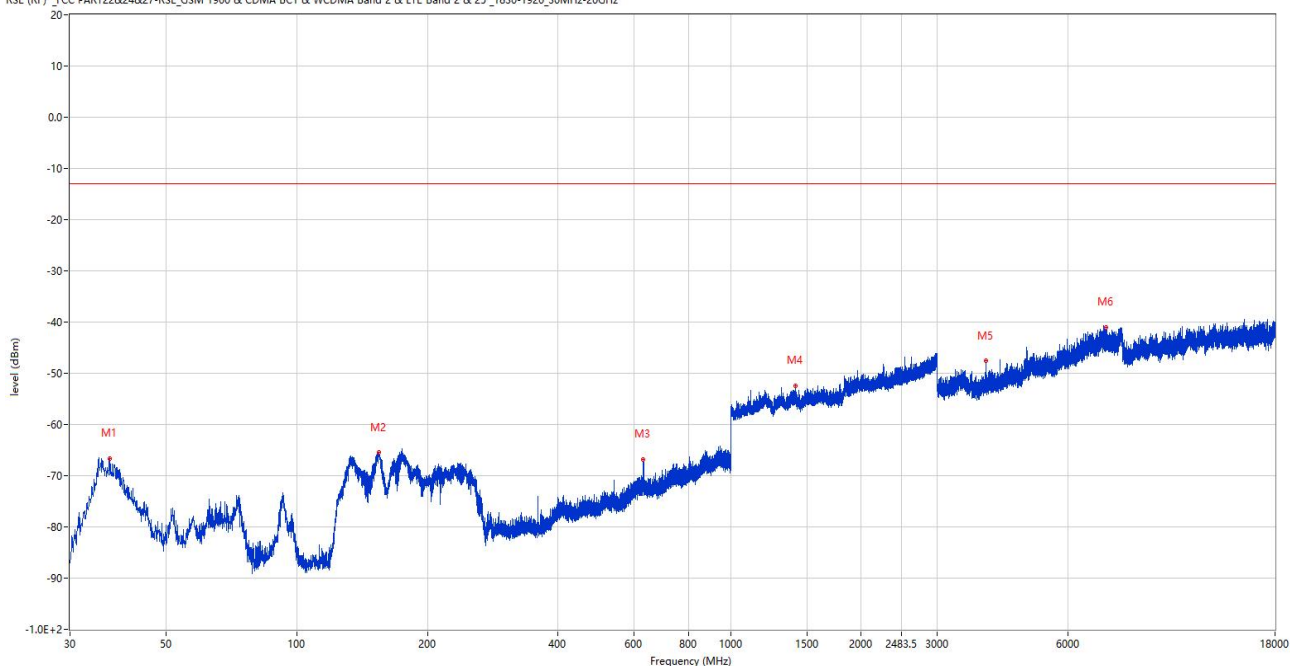
RSE (RF) _FCC PART22&24&27-RSE_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.555	-49.69	5.64	-13.0	36.69	18.00	Horizontal	Horizontal	N/A
881.612	-58.42	6.90	-13.0	45.42	360.00	Horizontal	Horizontal	N/A
1673.200	-26.07	-4.29	-13.0	13.07	237.00	Horizontal	Horizontal	Pass
2509.700	-29.73	-0.44	-13.0	16.73	20.00	Horizontal	Horizontal	Pass
3342.000	-49.79	5.66	-13.0	36.79	297.00	Horizontal	Horizontal	Pass
4193.750	-48.44	7.78	-13.0	35.44	28.00	Horizontal	Horizontal	Pass

1.2 GPRS1900

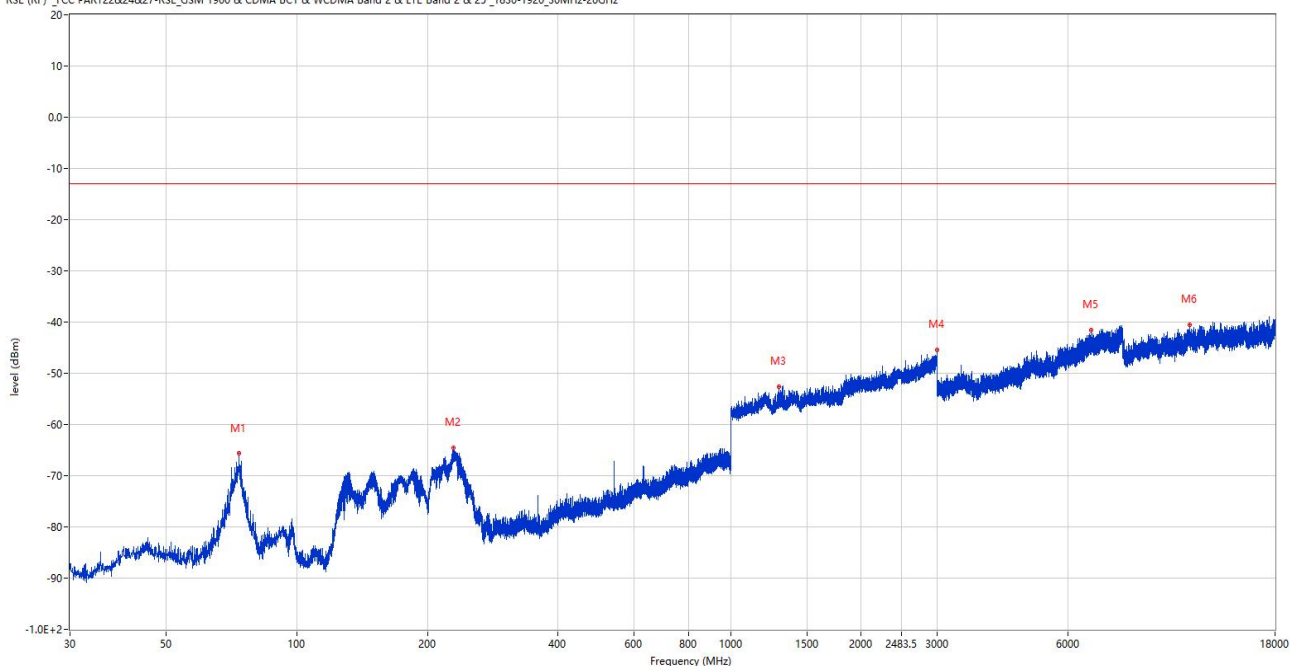
RSE (RF) _FCC PART22&24&27-RSE_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.984	-66.60	-16.08	-13.0	53.60	38.00	Vertical	Horizontal	Pass
154.451	-65.45	-16.80	-13.0	52.45	161.00	Vertical	Horizontal	Pass
629.994	-66.92	-2.13	-13.0	53.92	341.00	Vertical	Horizontal	Pass
1410.700	-52.46	-0.41	-13.0	39.46	149.00	Vertical	Horizontal	Pass
3877.000	-47.47	6.94	-13.0	34.47	297.00	Vertical	Horizontal	Pass
7356.000	-41.02	13.86	-13.0	28.02	335.00	Vertical	Horizontal	Pass

Band:GPRS1900

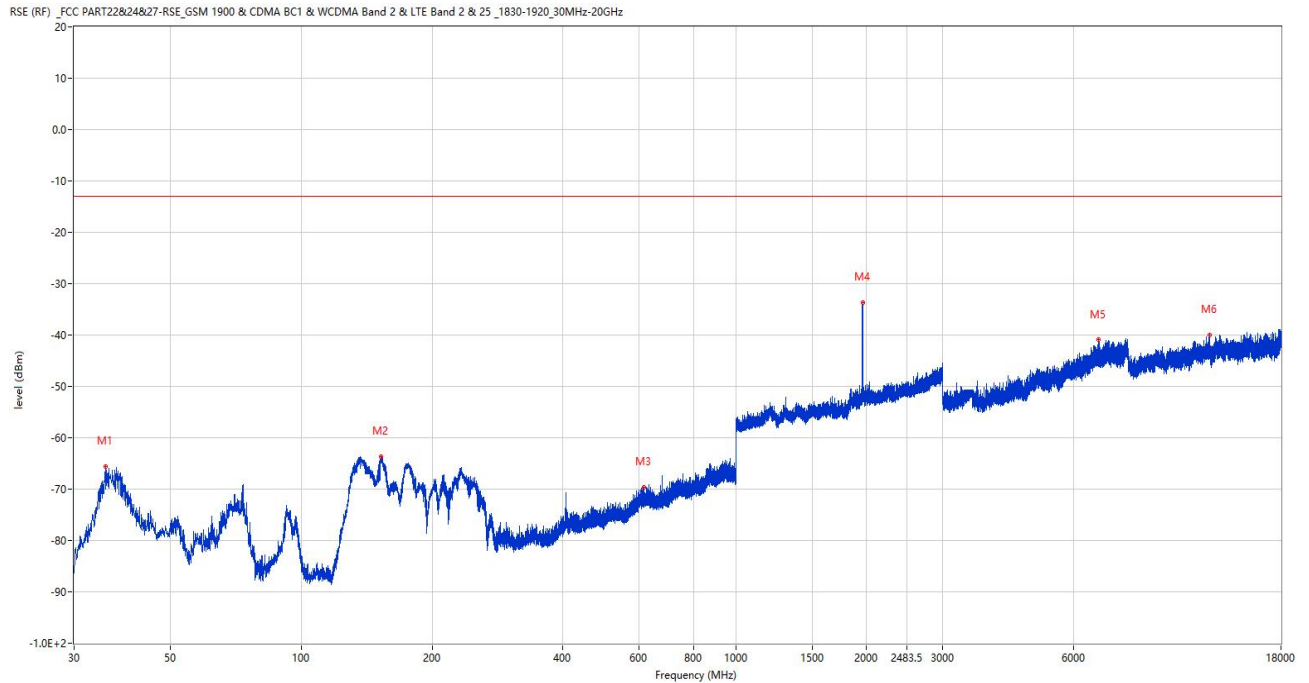
RSE (RF) _FCC PART22&24&27-RSE_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
73.505	-65.62	-19.18	-13.0	52.62	21.00	Horizontal	Horizontal	Pass
229.917	-64.50	-12.83	-13.0	51.50	2.00	Horizontal	Horizontal	Pass
1293.800	-52.71	-0.63	-13.0	39.71	184.00	Horizontal	Horizontal	Pass
2994.500	-45.38	9.28	-13.0	32.38	4.00	Horizontal	Horizontal	Pass
6791.250	-41.58	13.13	-13.0	28.58	154.00	Horizontal	Horizontal	Pass
11450.500	-40.52	16.16	-13.0	27.52	0.00	Horizontal	Horizontal	Pass

2. WCDMA

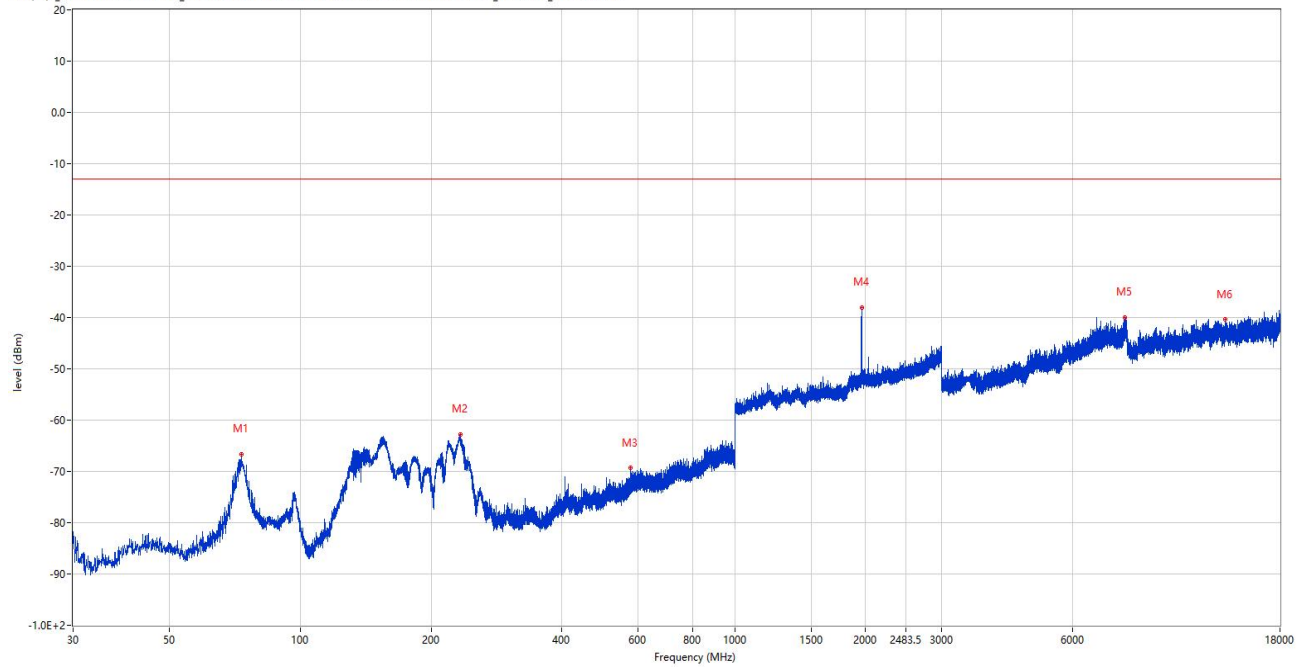
2.1 WCDMA B2



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.529	-65.61	-17.03	-13.0	52.61	1.00	Vertical	Horizontal	Pass
152.511	-63.60	-16.98	-13.0	50.60	113.00	Vertical	Horizontal	Pass
614.377	-69.58	-2.47	-13.0	56.58	360.00	Vertical	Horizontal	Pass
1961.200	-33.63	1.84	-13.0	20.63	154.00	Vertical	Horizontal	N/A
6833.000	-40.89	13.59	-13.0	27.89	242.00	Vertical	Horizontal	Pass
12340.000	-39.94	16.72	-13.0	26.94	72.00	Vertical	Horizontal	Pass

Band:WCDMA B2

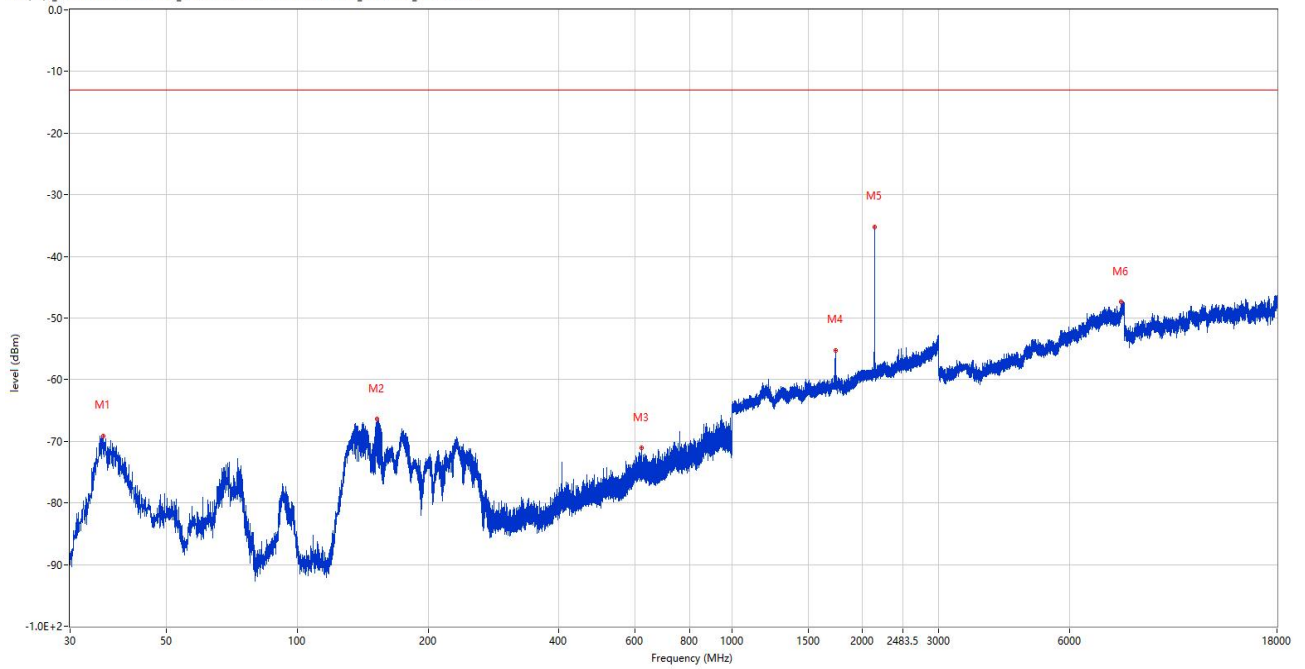
RSE (RF) _FCC PART22&24&27-RSE_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
73.262	-66.64	-19.11	-13.0	53.64	141.00	Horizontal	Horizontal	Pass
233.409	-62.80	-12.53	-13.0	49.80	14.00	Horizontal	Horizontal	Pass
575.140	-69.28	-4.60	-13.0	56.28	91.00	Horizontal	Horizontal	Pass
1960.500	-38.13	1.78	-13.0	25.13	262.00	Horizontal	Horizontal	N/A
7919.250	-39.92	15.33	-13.0	26.92	357.00	Horizontal	Horizontal	Pass
13441.500	-40.40	16.50	-13.0	27.40	319.00	Horizontal	Horizontal	Pass

2.2 WCDMA B4

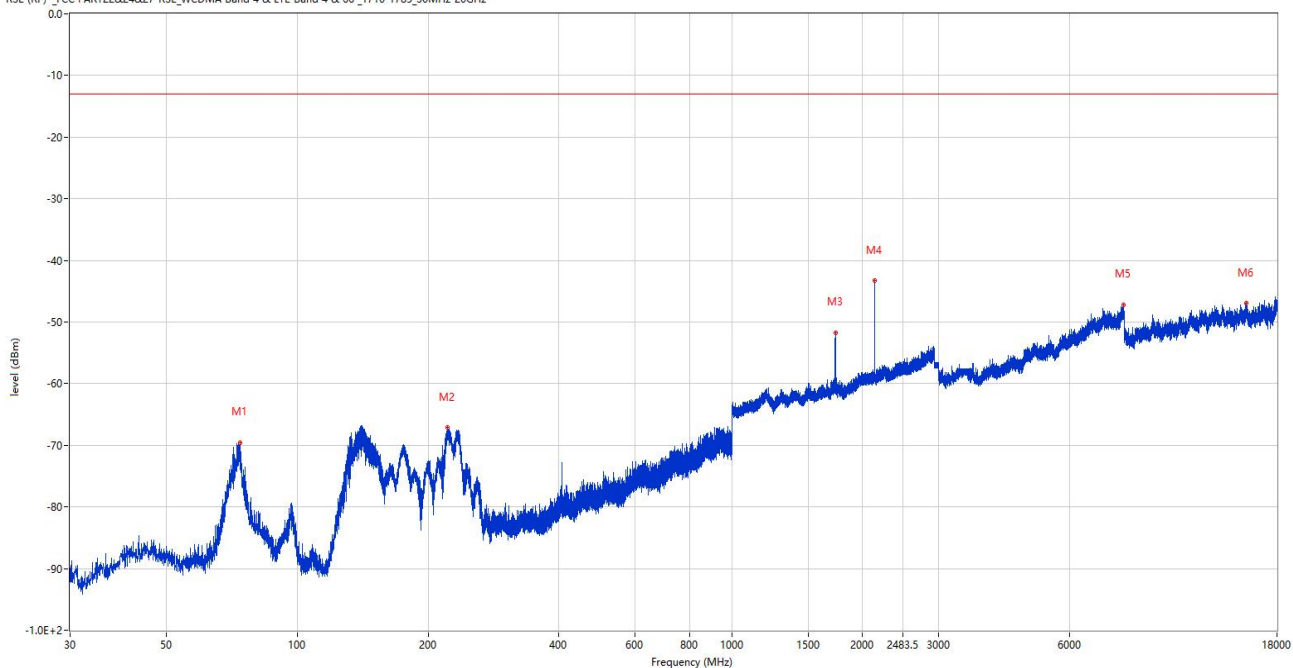
RSE (RF) _FCC PART22&24&27-RSE_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.820	-69.10	-16.84	-13.0	56.10	2.00	Vertical	Horizontal	Pass
152.608	-66.37	-16.97	-13.0	53.37	112.00	Vertical	Horizontal	Pass
620.876	-71.08	-2.52	-13.0	58.08	1.00	Vertical	Horizontal	Pass
1733.400	-55.32	0.98	-13.0	42.32	352.00	Vertical	Horizontal	N/A
2131.600	-35.18	2.46	-13.0	22.18	346.00	Vertical	Horizontal	N/A
7873.500	-47.40	15.04	-13.0	34.40	345.00	Vertical	Horizontal	Pass

Band:WCDMA B4

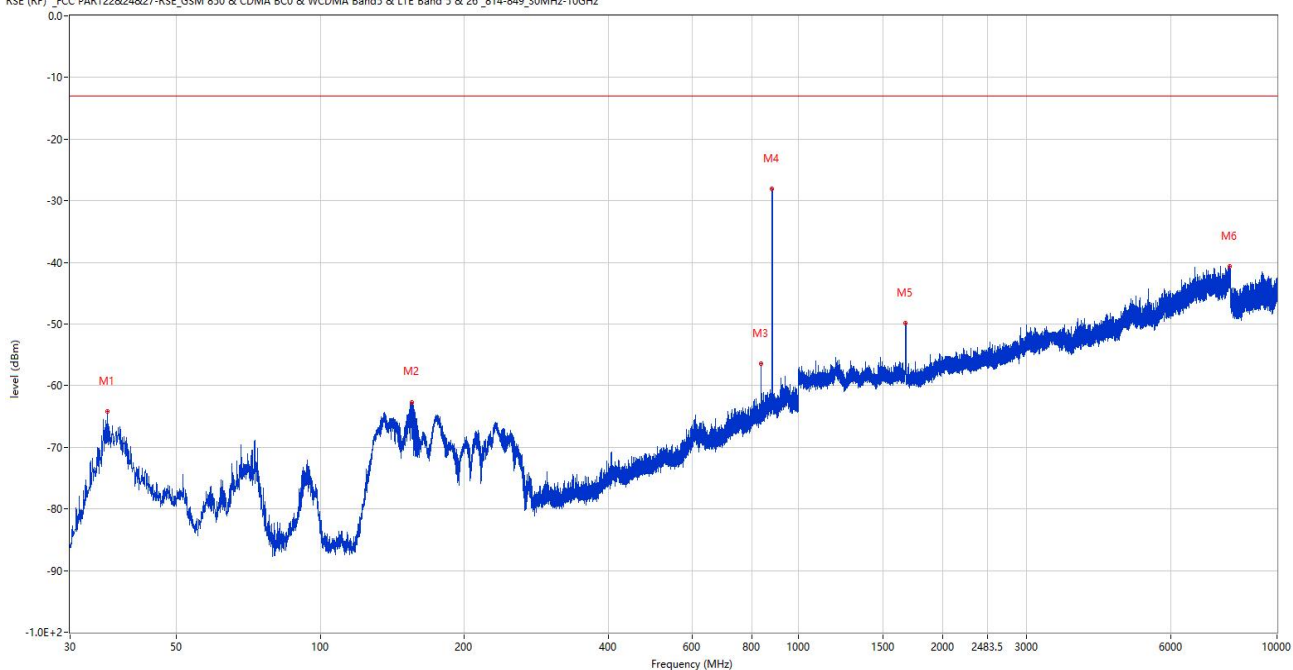
RSE (RF) _FCC PART22&24&27-RSE_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
74.038	-69.54	-19.28	-13.0	56.54	181.00	Horizontal	Horizontal	Pass
222.109	-67.10	-13.29	-13.0	54.10	2.00	Horizontal	Horizontal	Pass
1733.100	-51.70	0.98	-13.0	38.70	241.00	Horizontal	Horizontal	N/A
2131.000	-43.31	2.47	-13.0	30.31	267.00	Horizontal	Horizontal	N/A
7985.750	-47.18	15.51	-13.0	34.18	356.00	Horizontal	Horizontal	Pass
15264.500	-46.86	17.94	-13.0	33.86	248.00	Horizontal	Horizontal	Pass

2.3 WCDMA B5

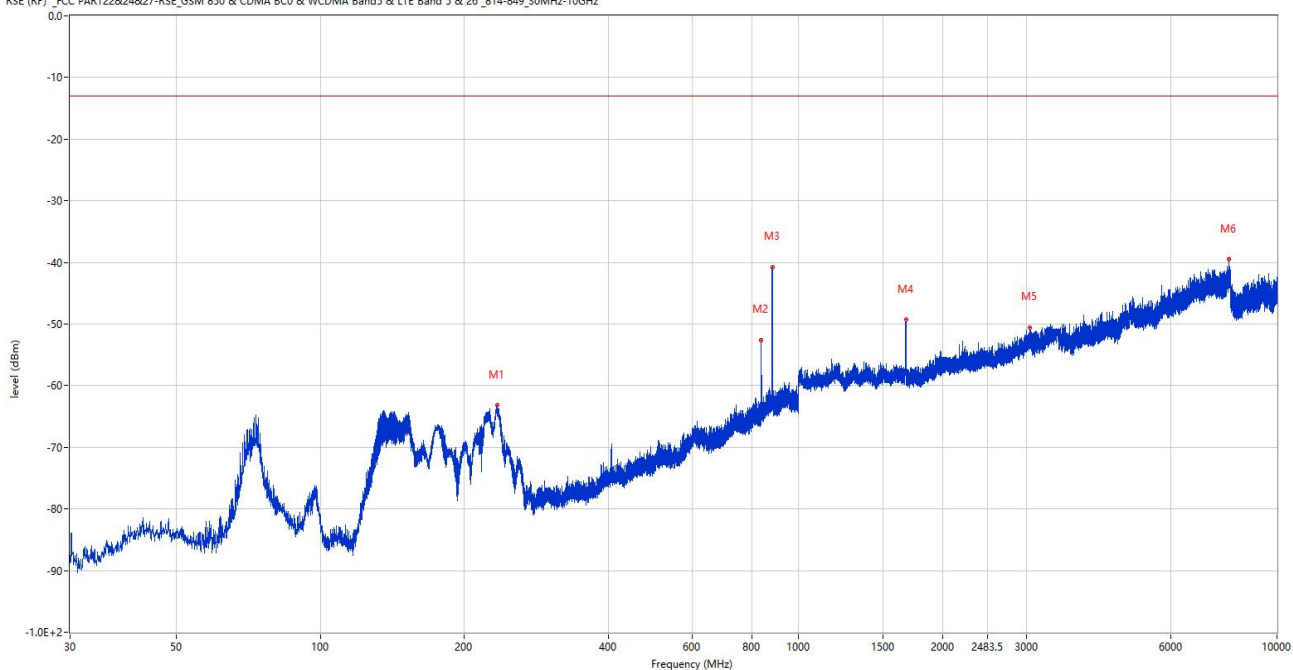
RSE (RF) _FCC PART22&24&27-RSE_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.917	-64.16	-16.08	-13.0	51.16	13.00	Vertical	Horizontal	Pass
155.324	-62.66	-15.09	-13.0	49.66	187.00	Vertical	Horizontal	Pass
834.955	-56.36	5.56	-13.0	43.36	83.00	Vertical	Horizontal	N/A
880.205	-28.09	6.98	-13.0	15.09	224.00	Vertical	Horizontal	N/A
1674.500	-49.83	-4.28	-13.0	36.83	194.00	Vertical	Horizontal	Pass
7948.750	-40.67	15.69	-13.0	27.67	101.00	Vertical	Horizontal	Pass

Band:WCDMA B5

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

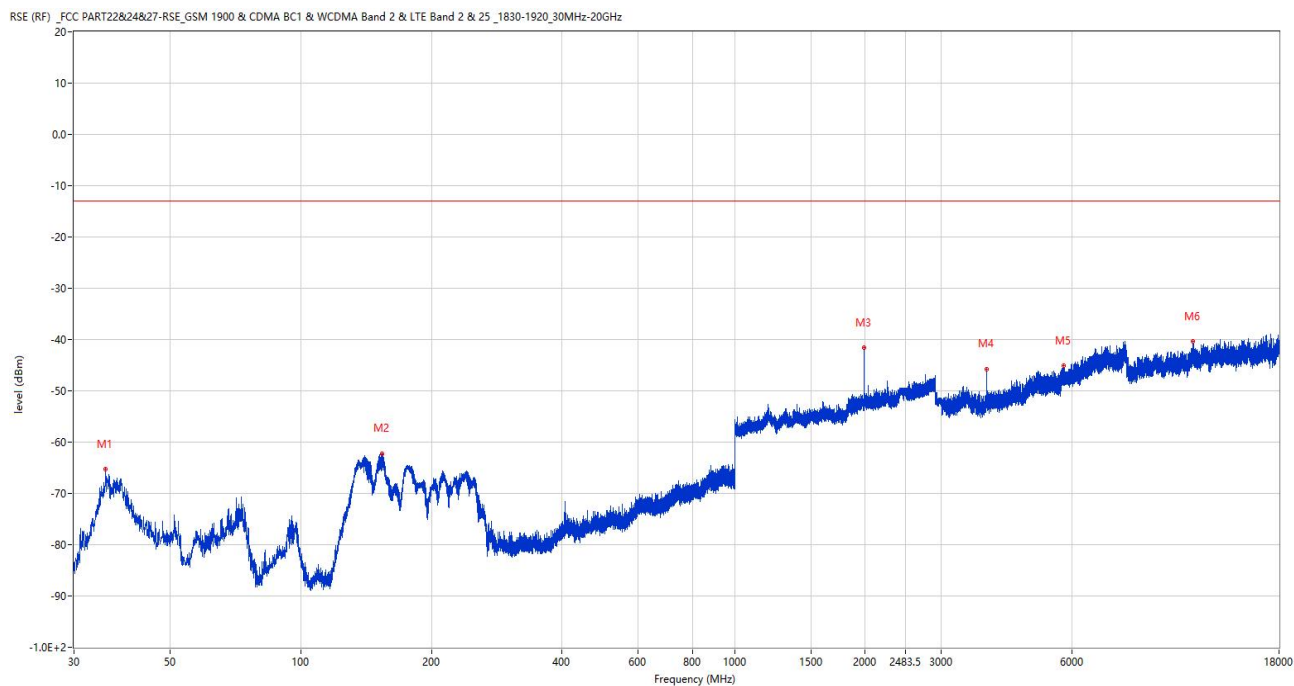


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
234.282	-63.12	-10.18	-13.0	50.12	23.00	Horizontal	Horizontal	Pass
835.294	-52.65	5.57	-13.0	39.65	278.00	Horizontal	Horizontal	N/A
882.969	-40.75	6.83	-13.0	27.75	322.00	Horizontal	Horizontal	N/A
1675.200	-49.24	-4.30	-13.0	36.24	327.00	Horizontal	Horizontal	Pass
3048.250	-50.64	4.47	-13.0	37.64	140.00	Horizontal	Horizontal	Pass
7923.750	-39.45	15.45	-13.0	26.45	360.00	Horizontal	Horizontal	Pass

3. LTE

3.1 LTE Band 2

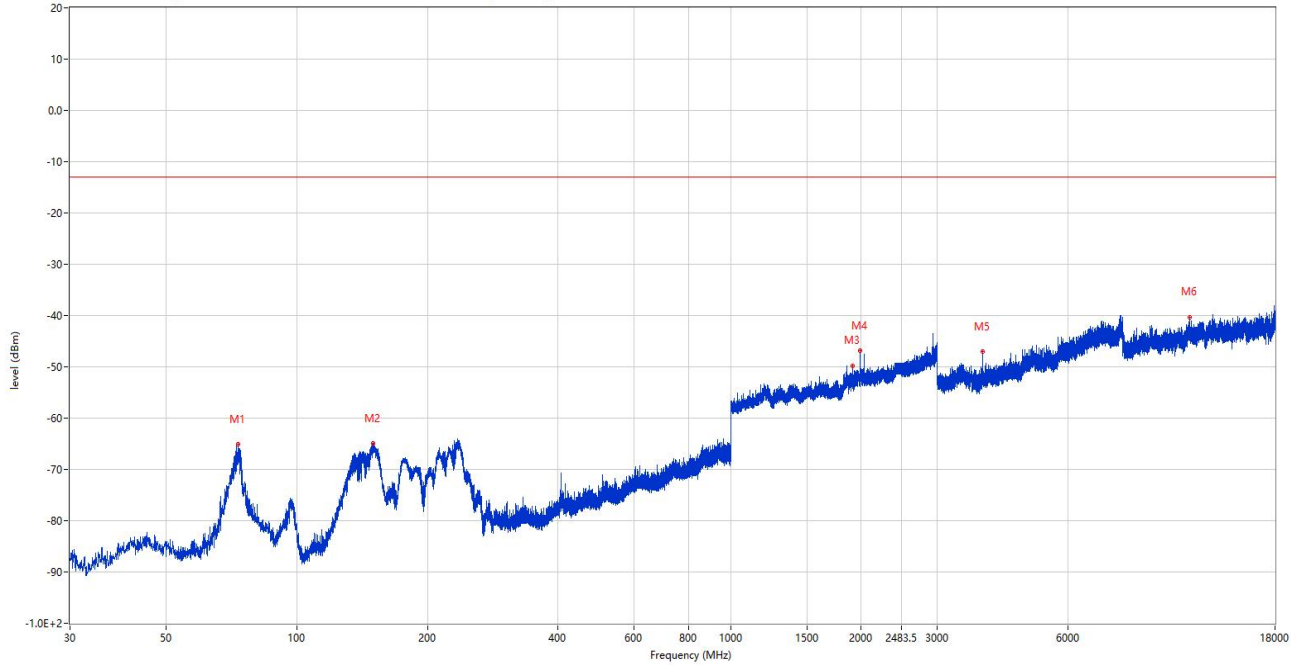
Band:LTE B2



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.432	-65.24	-17.09	-13.0	52.24	8.00	Vertical	Horizontal	Pass
154.111	-62.25	-16.83	-13.0	49.25	154.00	Vertical	Horizontal	Pass
1989.200	-41.61	2.18	-13.0	28.61	4.00	Vertical	Horizontal	N/A
3817.750	-45.71	6.95	-13.0	32.71	360.00	Vertical	Horizontal	Pass
5738.500	-45.07	9.88	-13.0	32.07	102.00	Vertical	Horizontal	Pass
11413.500	-40.41	15.53	-13.0	27.41	0.00	Vertical	Horizontal	Pass

Band:LTE B2

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

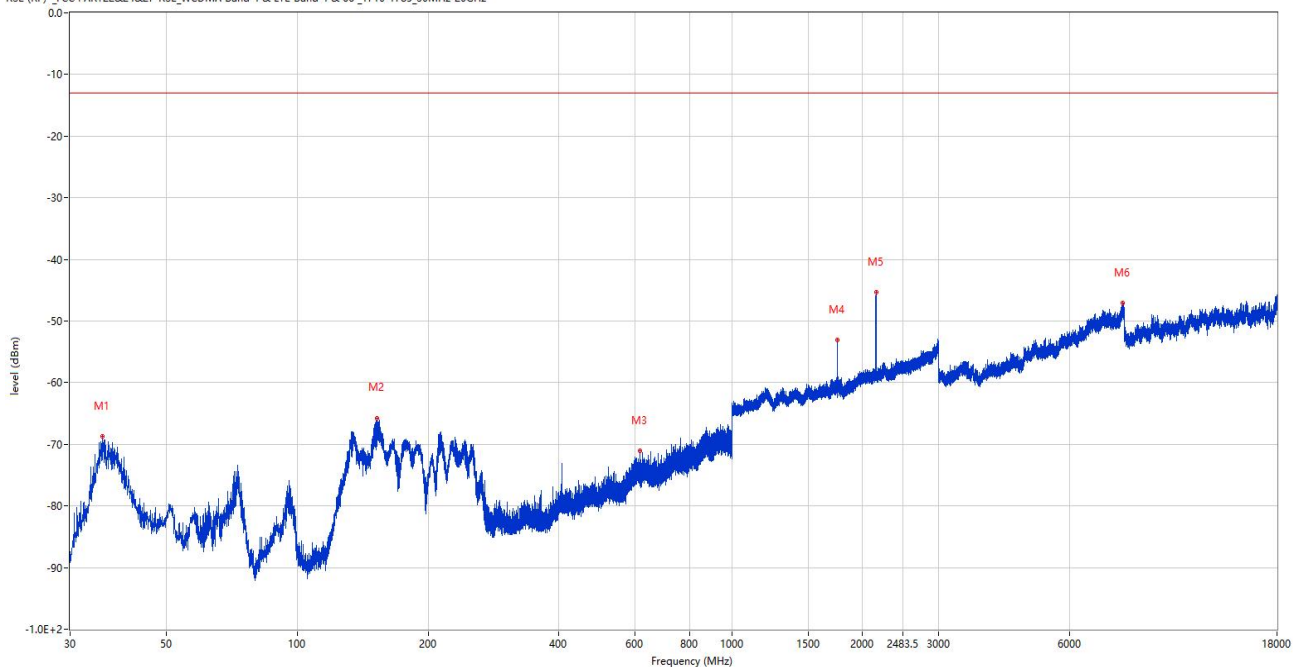


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
73.262	-65.14	-19.11	-13.0	52.14	182.00	Horizontal	Horizontal	Pass
149.844	-64.99	-17.14	-13.0	51.99	206.00	Horizontal	Horizontal	Pass
1908.600	-49.81	2.04	-13.0	36.81	168.00	Horizontal	Horizontal	N/A
1989.300	-46.93	2.18	-13.0	33.93	251.00	Horizontal	Horizontal	N/A
3817.500	-47.07	6.96	-13.0	34.07	206.00	Horizontal	Horizontal	Pass
11452.000	-40.37	16.10	-13.0	27.37	0.00	Horizontal	Horizontal	Pass

3.2 LTE Band 4

Band:LTE B4

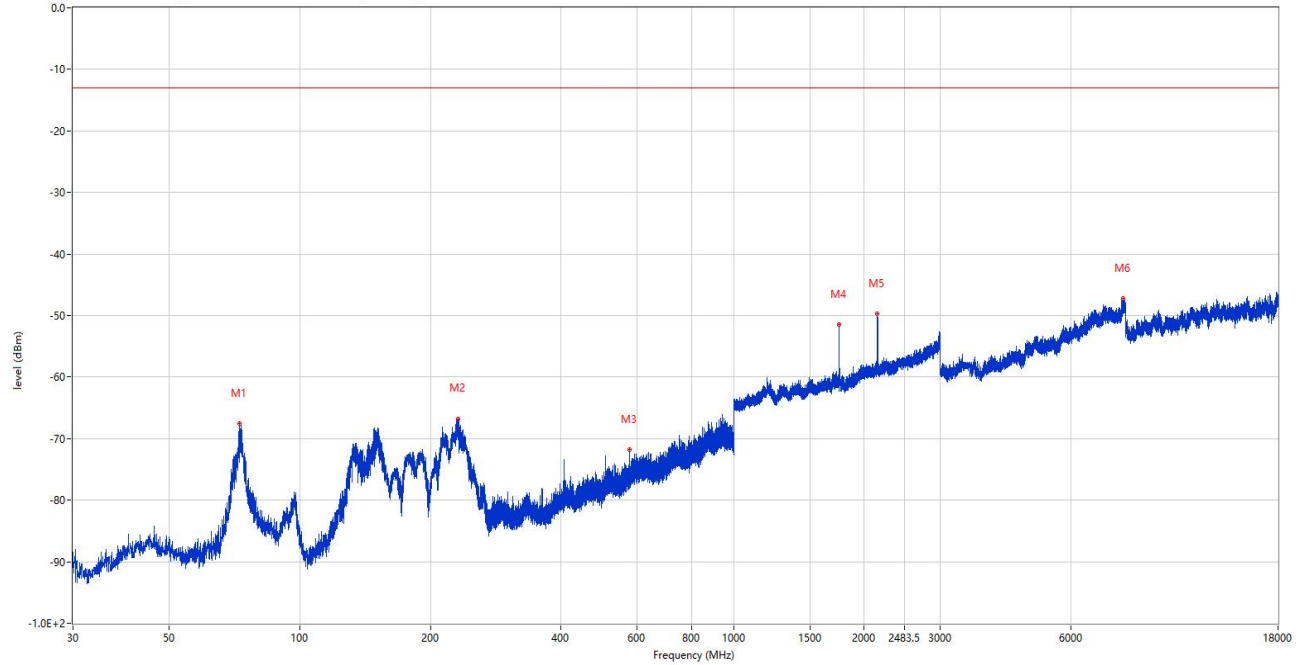
RSE (RF) _FCC PART22&24&27-RSE_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.626	-68.75	-16.96	-13.0	55.75	166.00	Vertical	Horizontal	Pass
152.608	-65.73	-16.97	-13.0	52.73	136.00	Vertical	Horizontal	Pass
614.522	-71.12	-2.47	-13.0	58.12	185.00	Vertical	Horizontal	Pass
1754.200	-53.09	0.98	-13.0	40.09	181.00	Vertical	Horizontal	N/A
2153.000	-45.36	2.40	-13.0	32.36	302.00	Vertical	Horizontal	N/A
7935.500	-47.06	15.53	-13.0	34.06	102.00	Vertical	Horizontal	Pass

Band:LTE B4

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

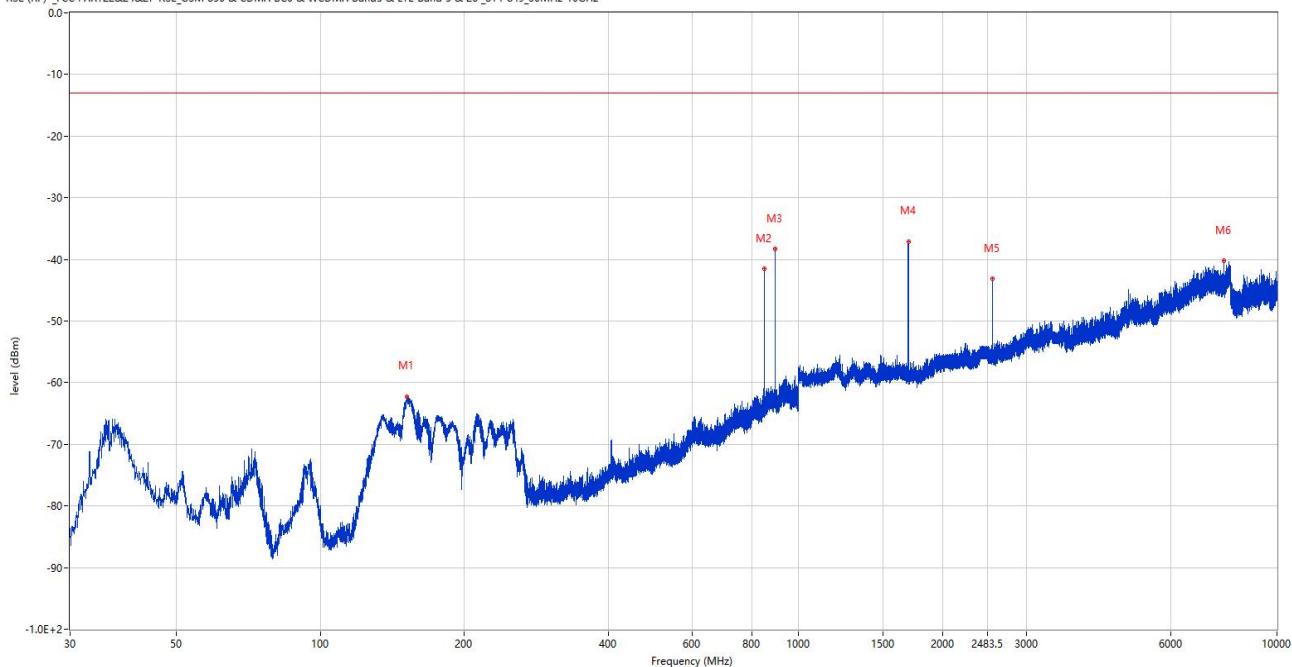


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
72.632	-67.58	-18.96	-13.0	54.58	6.00	Horizontal	Horizontal	Pass
231.663	-66.76	-12.66	-13.0	53.76	38.00	Horizontal	Horizontal	Pass
575.140	-71.85	-4.60	-13.0	58.85	82.00	Horizontal	Horizontal	Pass
1754.100	-51.50	0.98	-13.0	38.50	239.00	Horizontal	Horizontal	N/A
2144.100	-49.76	2.22	-13.0	36.76	65.00	Horizontal	Horizontal	N/A
7920.250	-47.28	15.33	-13.0	34.28	206.00	Horizontal	Horizontal	Pass

3.3 LTE Band 5

Band:LTE B5

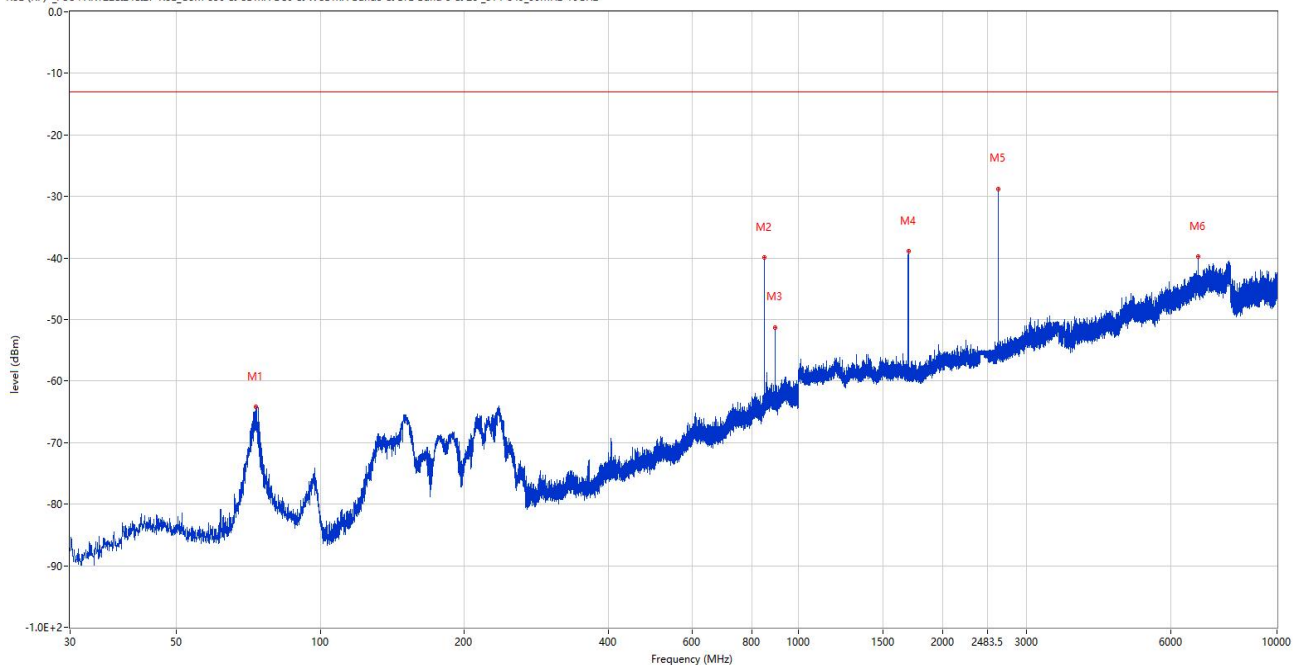
RSE (RF) _FCC PART22&24&27-RSE_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
151.783	-62.21	-15.37	-13.0	49.21	104.00	Vertical	Horizontal	Pass
847.904	-41.51	6.20	-13.0	28.51	139.00	Vertical	Horizontal	N/A
893.397	-38.36	6.78	-13.0	25.36	231.00	Vertical	Horizontal	N/A
1695.500	-37.09	-4.53	-13.0	24.09	178.00	Vertical	Horizontal	Pass
2543.200	-43.11	0.03	-13.0	30.11	192.00	Vertical	Horizontal	Pass
7743.500	-40.18	13.88	-13.0	27.18	231.00	Vertical	Horizontal	Pass

Band:LTE B5

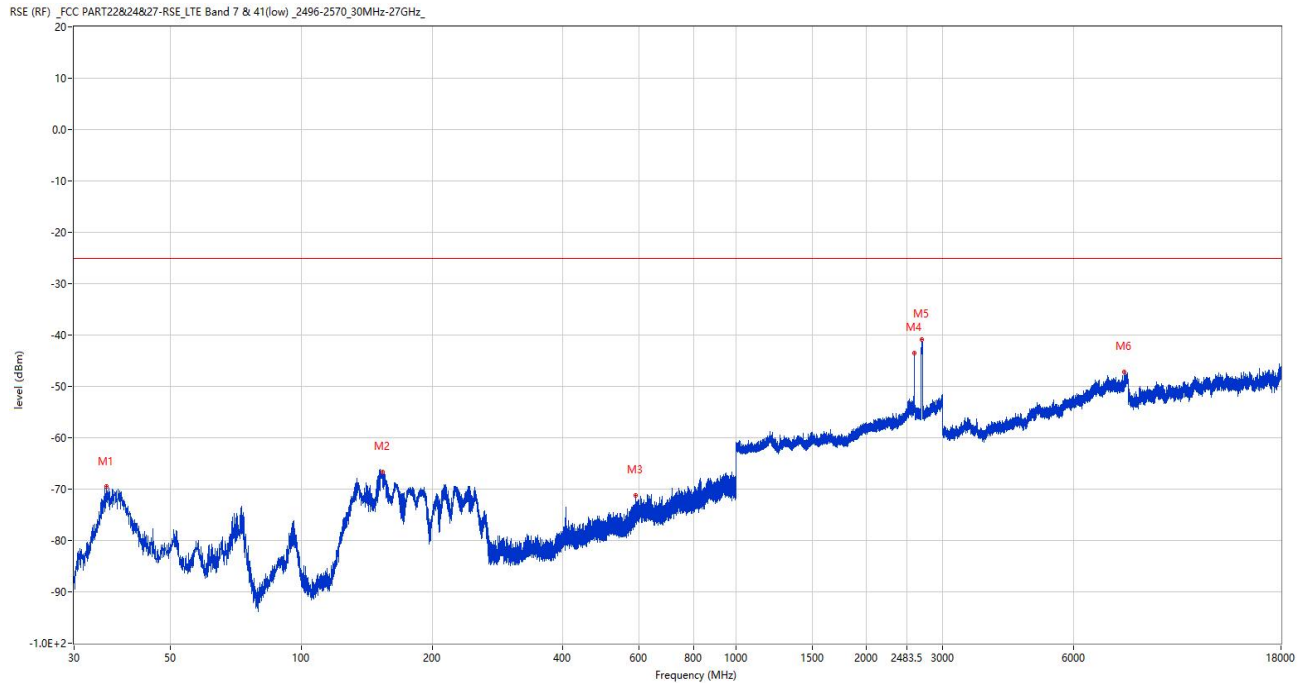
RSE (RF) _FCC PART22&24&27-RSE_GSM 850 & CDMA BCO & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
73.505	-64.19	-18.06	-13.0	51.19	1.00	Horizontal	Horizontal	Pass
847.758	-39.90	6.19	-13.0	26.90	280.00	Horizontal	Horizontal	N/A
893.009	-51.29	6.80	-13.0	38.29	1.00	Horizontal	Horizontal	N/A
1695.600	-38.94	-4.53	-13.0	25.94	343.00	Horizontal	Horizontal	Pass
2613.300	-28.73	0.40	-13.0	15.73	359.00	Horizontal	Horizontal	Pass
6839.750	-39.74	13.50	-13.0	26.74	292.00	Horizontal	Horizontal	Pass

3.4 LTE Band 7

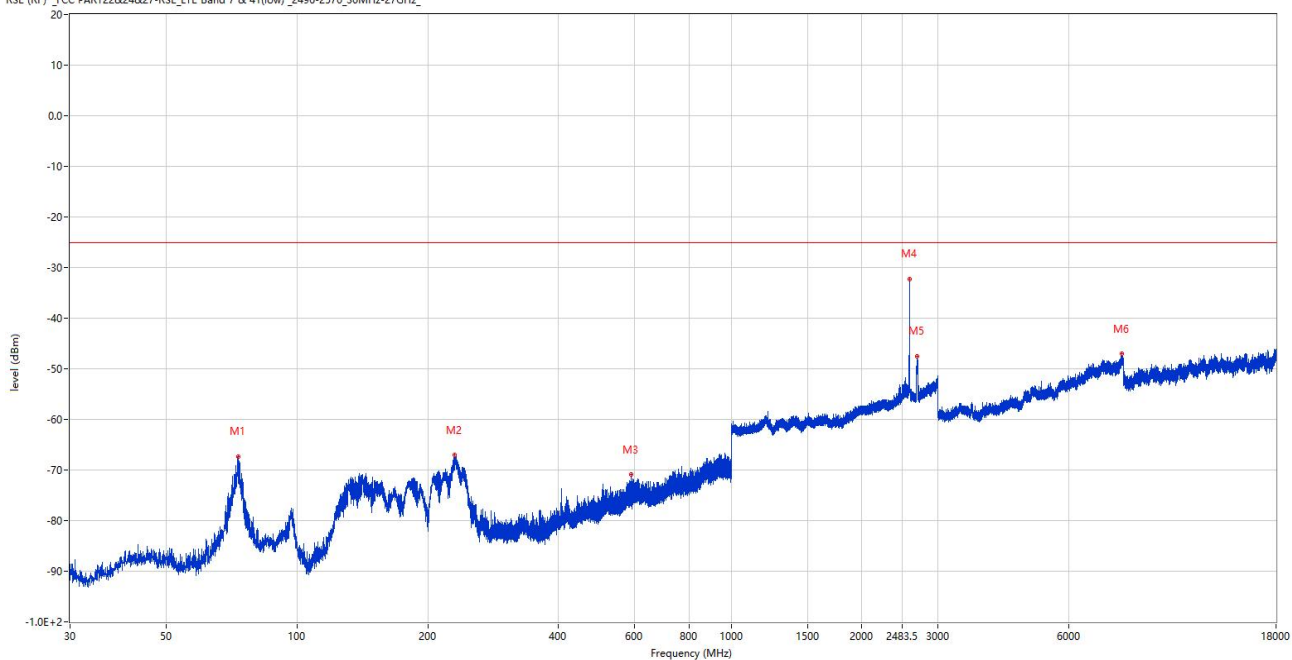
Band:LTE B7



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
35.626	-69.51	-16.96	-25.0	44.51	360.00	Vertical	Horizontal	Pass
153.772	-66.66	-16.85	-25.0	41.66	151.00	Vertical	Horizontal	Pass
589.690	-71.23	-3.61	-25.0	46.23	126.00	Vertical	Horizontal	Pass
2575.600	-43.58	8.65	-25.0	18.58	5.00	Vertical	Horizontal	N/A
2682.800	-40.87	7.21	-25.0	15.87	197.00	Vertical	Horizontal	N/A
7856.250	-47.12	15.02	-25.0	22.12	360.00	Vertical	Horizontal	Pass

Band:LTE B7

RSE (RF) _FCC PART22&24&27-RSE_LTE Band 7 & 41(low) _2496-2570_30MHz-27GHz_

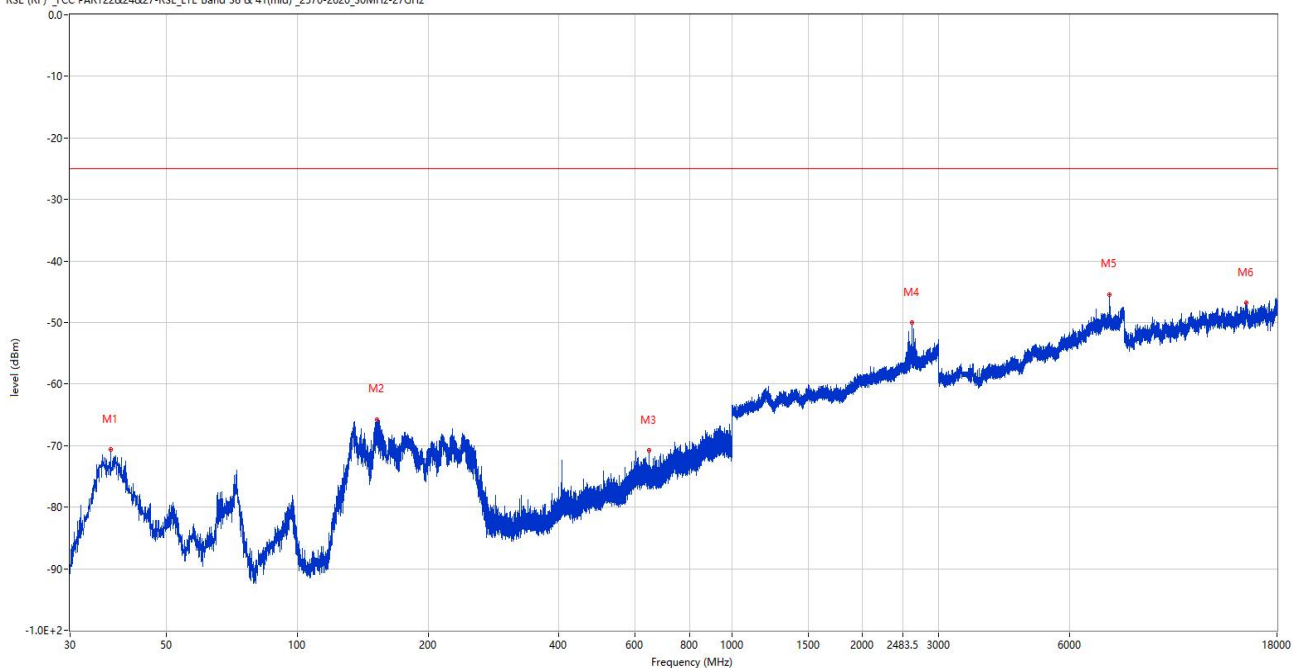


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
73.262	-67.34	-19.11	-25.0	42.34	346.00	Horizontal	Horizontal	Pass
230.305	-67.05	-12.79	-25.0	42.05	34.00	Horizontal	Horizontal	Pass
588.429	-70.94	-3.70	-25.0	45.94	321.00	Horizontal	Horizontal	Pass
2575.000	-32.33	8.64	-25.0	7.33	326.00	Horizontal	Horizontal	N/A
2685.300	-47.58	7.23	-25.0	22.58	180.00	Horizontal	Horizontal	N/A
7943.250	-47.02	15.50	-25.0	22.02	283.00	Horizontal	Horizontal	Pass

3.5 LTE Band 38

Band:LTE B38

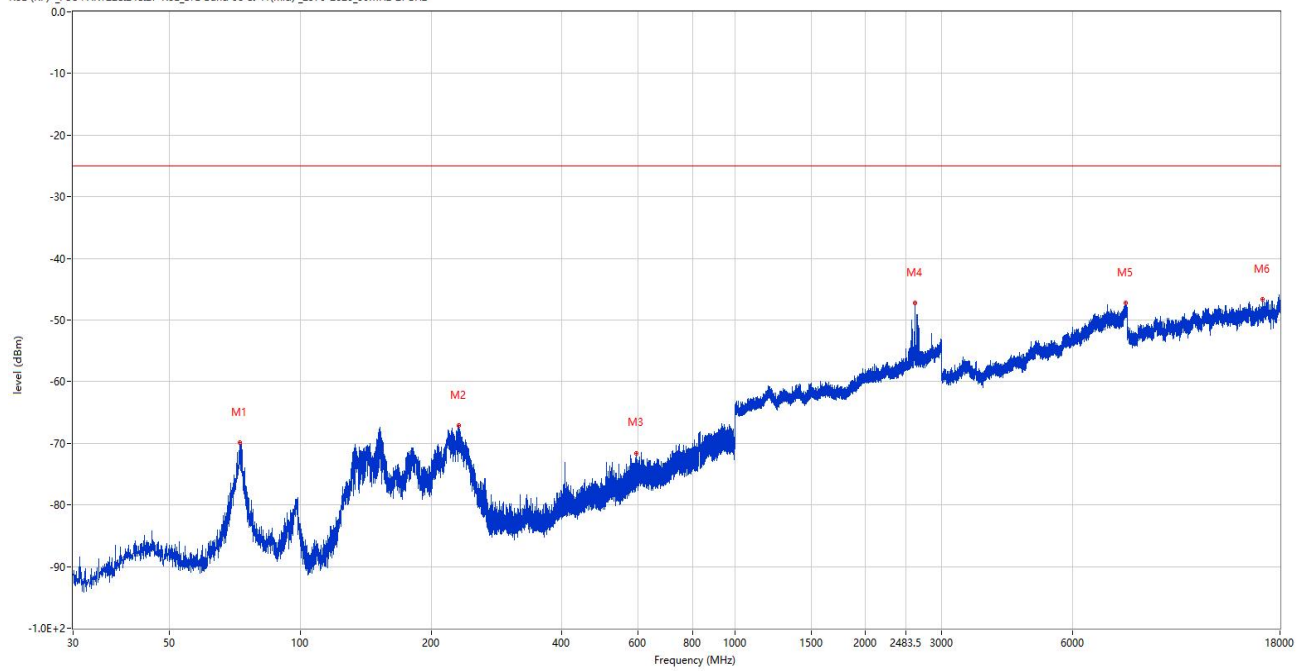
RSE (RF) _FCC PART22&24&27-RSE_LTE Band 38 & 41(mid)_2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.227	-70.60	-15.91	-25.0	45.60	210.00	Vertical	Horizontal	Pass
152.608	-65.73	-16.97	-25.0	40.73	93.00	Vertical	Horizontal	Pass
645.610	-70.81	-2.69	-25.0	45.81	86.00	Vertical	Horizontal	Pass
2597.700	-50.05	7.02	-25.0	25.05	105.00	Vertical	Horizontal	N/A
7401.750	-45.45	14.07	-25.0	20.45	14.00	Vertical	Horizontal	Pass
15268.500	-46.74	17.87	-25.0	21.74	0.00	Vertical	Horizontal	Pass

Band:LTE B38

RSE (RF) _FCC PART22&24&27-RSE_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
72.535	-69.93	-18.93	-25.0	44.93	19.00	Horizontal	Horizontal	Pass
232.100	-67.17	-12.63	-25.0	42.17	0.00	Horizontal	Horizontal	Pass
593.085	-71.58	-3.36	-25.0	46.58	309.00	Horizontal	Horizontal	Pass
2597.800	-47.22	7.02	-25.0	22.22	222.00	Horizontal	Horizontal	N/A
7945.000	-47.22	15.54	-25.0	22.22	27.00	Horizontal	Horizontal	Pass
16385.500	-46.64	17.27	-25.0	21.64	356.00	Horizontal	Horizontal	Pass