

Field Strength of Spurious Radiation

LTE Mode Test Verdict

Test Band	Test Bandwidth(MHz)	UL Channel	UL RB Number	UL RB Position	UL Modulation	Verdict
Cat-M Band 2	20	19100	1	0	16QAM	Pass
Cat-M Band 4	10	20350	1	0	16QAM	Pass
Cat-M Band 5	5	20625	1	0	16QAM	Pass
Cat-M Band 12	10	23130	1	0	16QAM	Pass
Cat-M Band 13	5	23255	1	0	16QAM	Pass
Cat-M Band 25	15	26615	1	0	16QAM	Pass
Cat-M Band 26 (Part22)	5	27015	1	0	16QAM	Pass
Cat-M Band 26 (Part90)	5	26765	1	0	16QAM	Pass
Cat-M Band 66	5	132322	1	0	16QAM	Pass
Cat-M Band 85	10	134132	1	0	16QAM	Pass

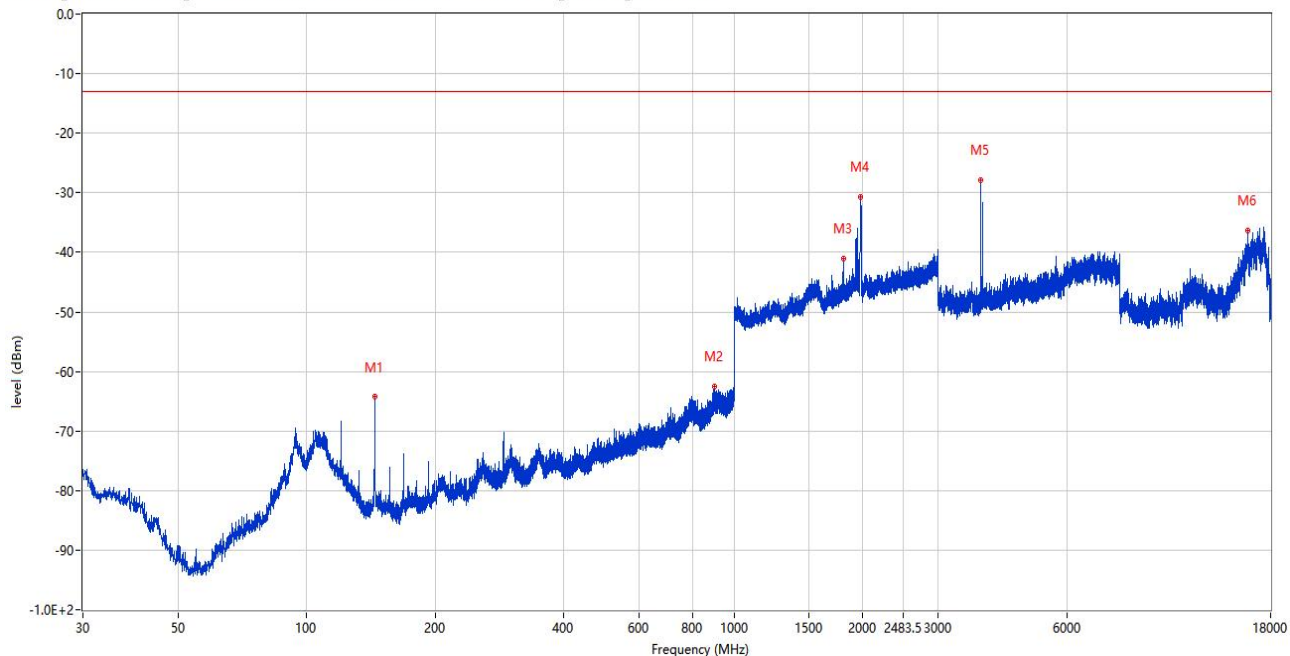
Test Band	Bandwidth (KHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Verdict
NB-IoT Band 2	15	MCH	QPSK	12	0	Pass
NB-IoT Band 4	15	HCH	QPSK	1	11	Pass
NB-IoT Band 5	3.75	MCH	BPSK	1	47	Pass
NB-IoT Band 12	15	MCH	QPSK	1	0	Pass
NB-IoT Band 13	15	HCH	QPSK	1	11	Pass
NB-IoT Band 17	15	HCH	QPSK	12	0	Pass
NB-IoT Band 25	15	HCH	BPSK	1	0	Pass
NB-IoT Band 26 (Part22)	15	HCH	QPSK	12	0	Pass
NB-IoT Band 26 (Part90)	15	HCH	QPSK	1	0	Pass
NB-IoT Band 66	15	LCH	BPSK	1	11	Pass
NB-IoT Band 85	15	HCH	QPSK	12	0	Pass

1 LTE Cat-M

1.1 LTE Cat-M Band 2

Band:LTE B2

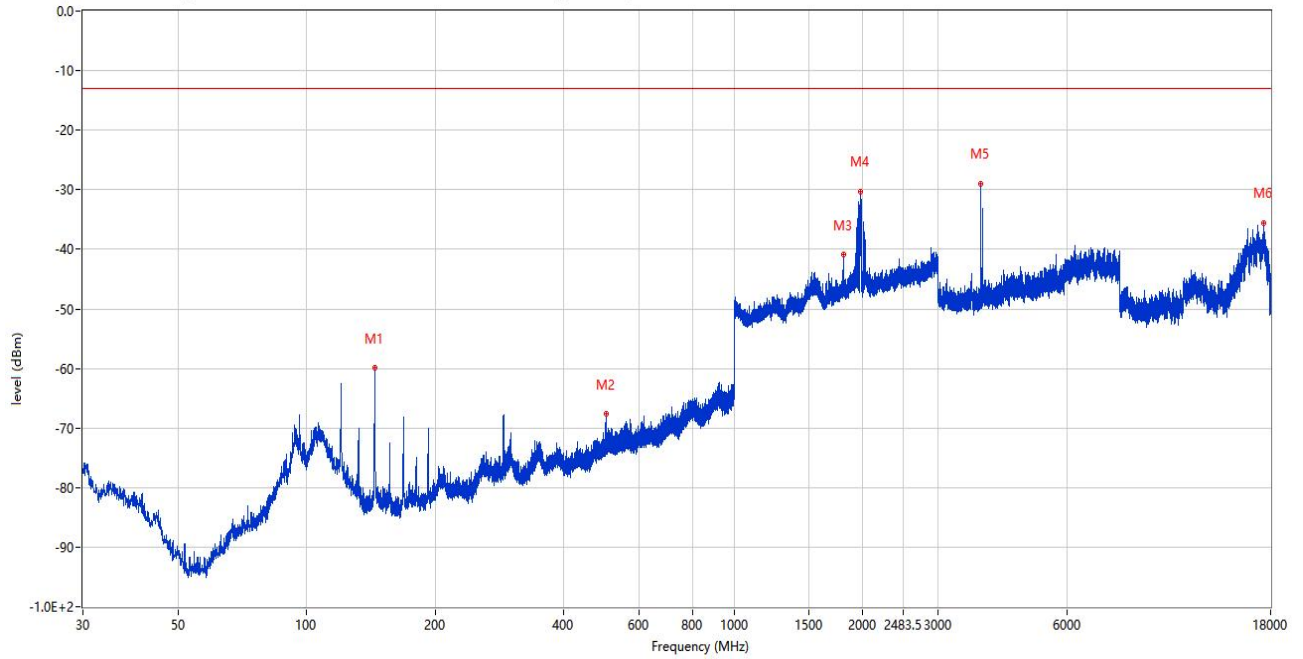
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.508	-64.29	-11.49	-13.0	51.29	325.00	Vertical	Horizontal	Pass
902.515	-62.60	5.11	-13.0	49.60	0.00	Vertical	Horizontal	Pass
1800.700	-41.14	7.14	-13.0	28.14	233.00	Vertical	Horizontal	Pass
1976.900	-30.62	7.55	-13.0	17.62	139.00	Vertical	Horizontal	N/A
3784.000	-27.85	9.73	-13.0	14.85	75.00	Vertical	Horizontal	Pass
15892.000	-36.30	28.68	-13.0	23.30	203.00	Vertical	Horizontal	Pass

Band:LTE B2

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

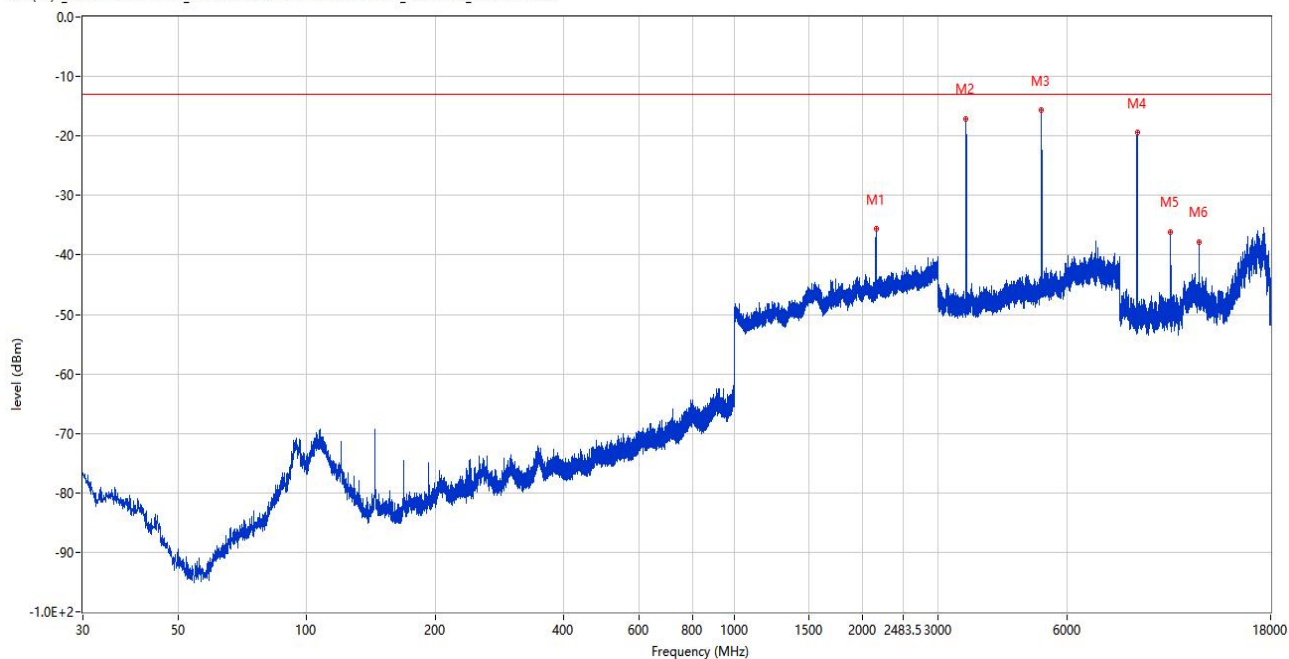


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.508	-59.95	-11.49	-13.0	46.95	260.00	Horizontal	Horizontal	Pass
501.905	-67.62	-3.77	-13.0	54.62	226.00	Horizontal	Horizontal	Pass
1800.800	-40.94	7.14	-13.0	27.94	124.00	Horizontal	Horizontal	Pass
1973.000	-30.30	7.78	-13.0	17.30	351.00	Horizontal	Horizontal	N/A
3784.750	-29.00	9.75	-13.0	16.00	120.00	Horizontal	Horizontal	Pass
17365.000	-35.57	28.21	-13.0	22.57	126.00	Horizontal	Horizontal	Pass

1.2 LTE Cat-M Band 4

Band:LTE B4

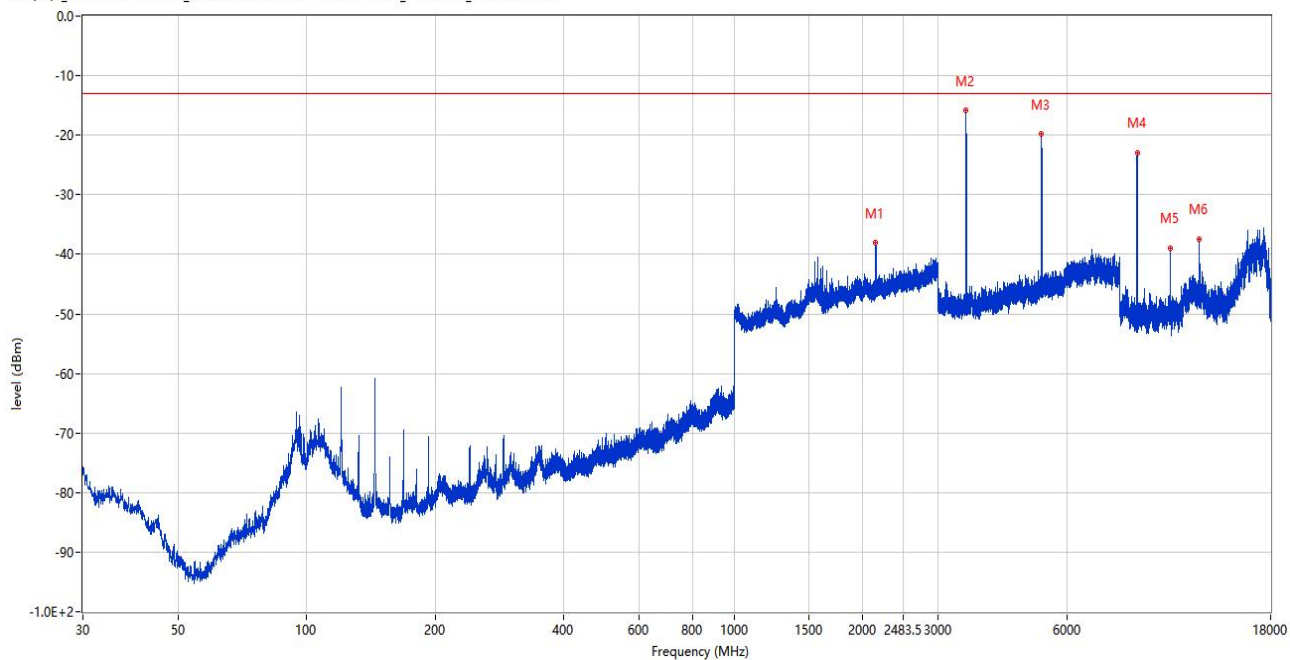
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
2153.500	-35.59	8.25	-13.0	22.59	92.00	Vertical	Horizontal	N/A
3493.250	-17.12	9.21	-13.0	4.12	141.00	Vertical	Horizontal	Pass
5240.000	-15.70	11.88	-13.0	2.70	183.00	Vertical	Horizontal	Pass
8772.588	-19.49	13.62	-13.0	6.49	171.00	Vertical	Horizontal	Pass
10476.888	-36.07	17.25	-13.0	23.07	188.00	Vertical	Horizontal	Pass
12224.888	-37.84	20.04	-13.0	24.84	140.00	Vertical	Horizontal	Pass

Band:LTE B4

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

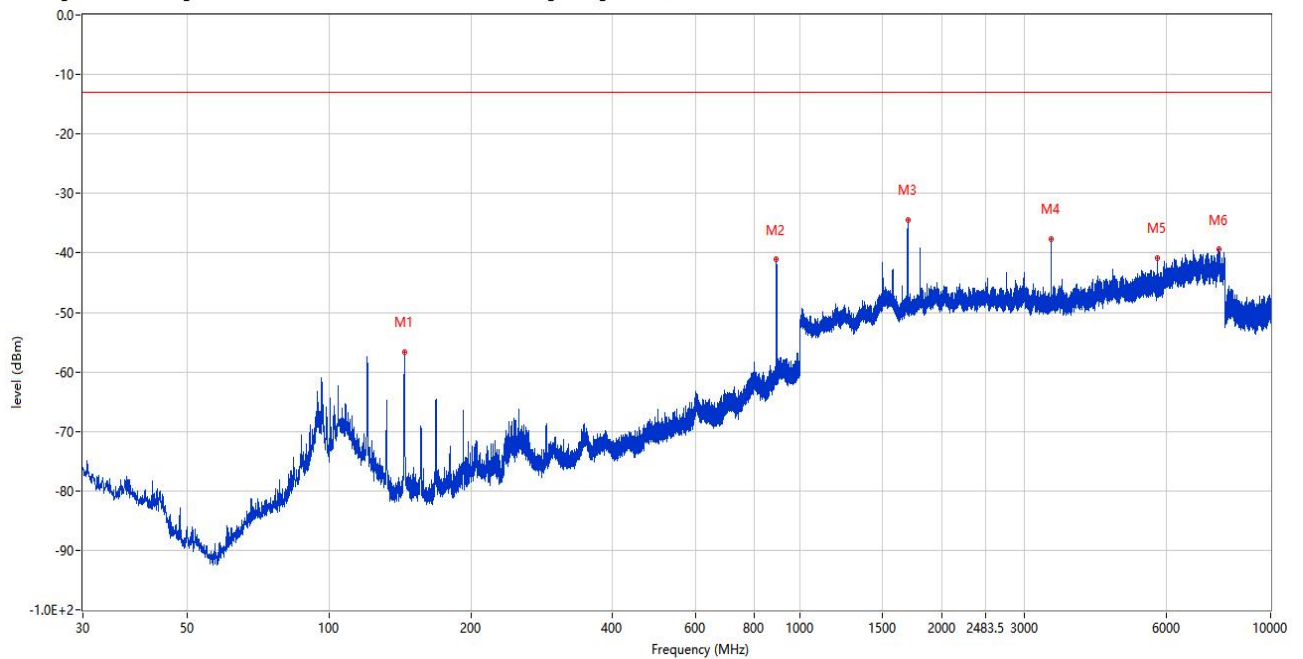


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
2147.100	-38.10	8.04	-13.0	25.10	210.00	Horizontal	Horizontal	N/A
3492.500	-15.84	9.20	-13.0	2.84	201.00	Horizontal	Horizontal	Pass
5239.000	-19.81	11.88	-13.0	6.81	227.00	Horizontal	Horizontal	Pass
8772.350	-22.89	13.62	-13.0	9.89	244.00	Horizontal	Horizontal	Pass
10477.362	-38.97	17.25	-13.0	25.97	129.00	Horizontal	Horizontal	Pass
12224.175	-37.43	20.06	-13.0	24.43	113.00	Horizontal	Horizontal	Pass

1.3 LTE Cat-M Band 5

Band:LTE B5

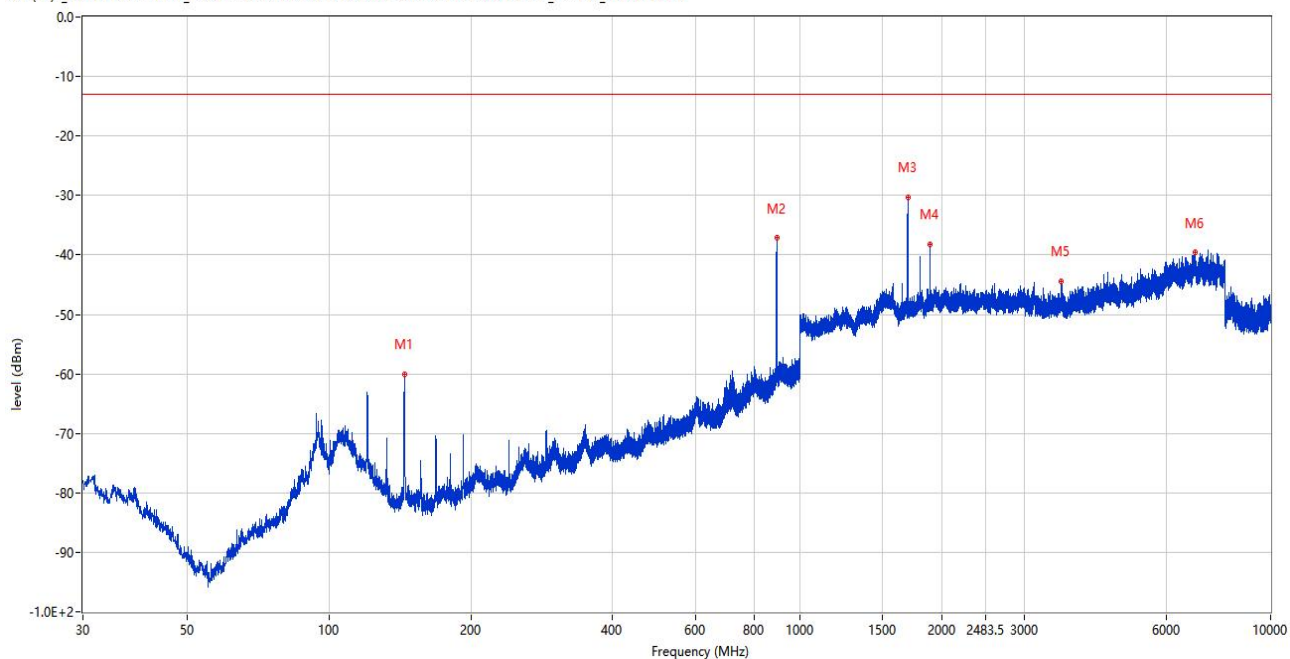
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.654	-56.74	-10.48	-13.0	43.74	352.00	Vertical	Horizontal	Pass
890.196	-41.12	10.06	-13.0	28.12	342.00	Vertical	Horizontal	N/A
1697.900	-34.51	4.45	-13.0	21.51	145.00	Vertical	Horizontal	Pass
3414.250	-37.66	9.02	-13.0	24.66	284.00	Vertical	Horizontal	Pass
5744.500	-40.79	12.25	-13.0	27.79	111.00	Vertical	Horizontal	Pass
7758.250	-39.39	15.66	-13.0	26.39	145.00	Vertical	Horizontal	Pass

Band:LTE B5

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

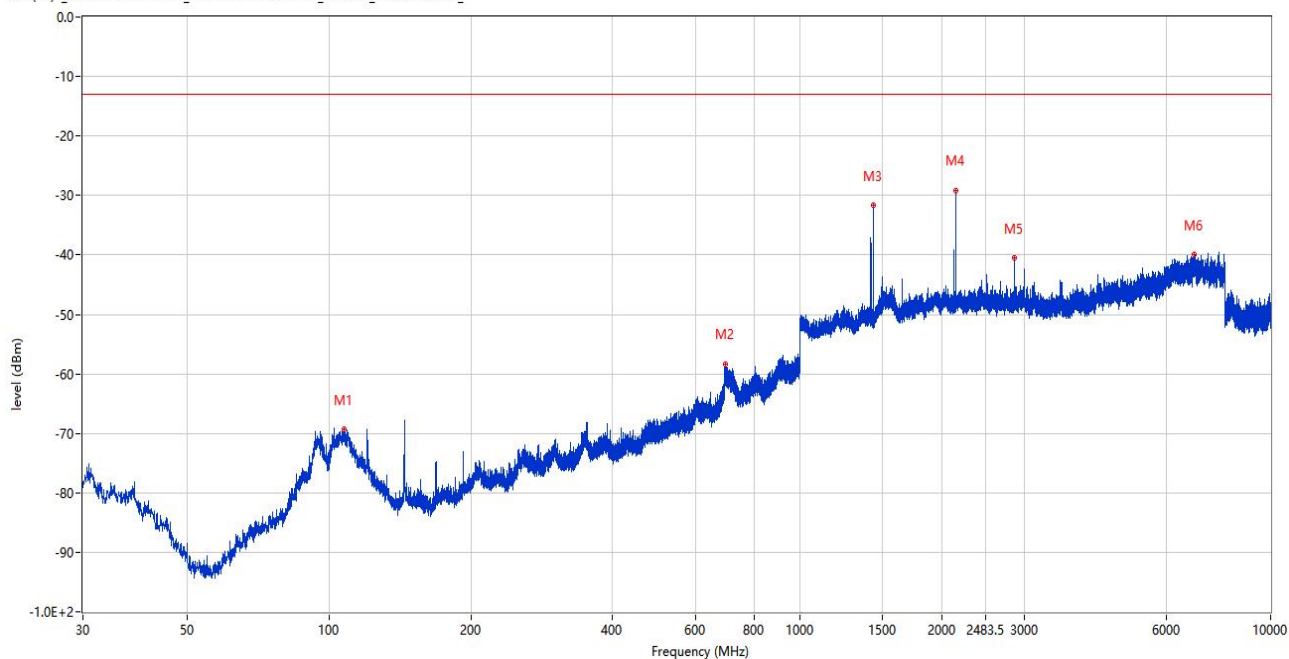


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.557	-60.15	-10.52	-13.0	47.15	75.00	Horizontal	Horizontal	Pass
893.348	-37.17	10.10	-13.0	24.17	75.00	Horizontal	Horizontal	N/A
1697.900	-30.28	4.45	-13.0	17.28	155.00	Horizontal	Horizontal	Pass
1890.600	-38.26	5.76	-13.0	25.26	240.00	Horizontal	Horizontal	Pass
3592.750	-44.42	10.74	-13.0	31.42	347.00	Horizontal	Horizontal	Pass
6900.500	-39.61	14.69	-13.0	26.61	41.00	Horizontal	Horizontal	Pass

1.4 LTE Cat-M Band 12

Band:LTE B12

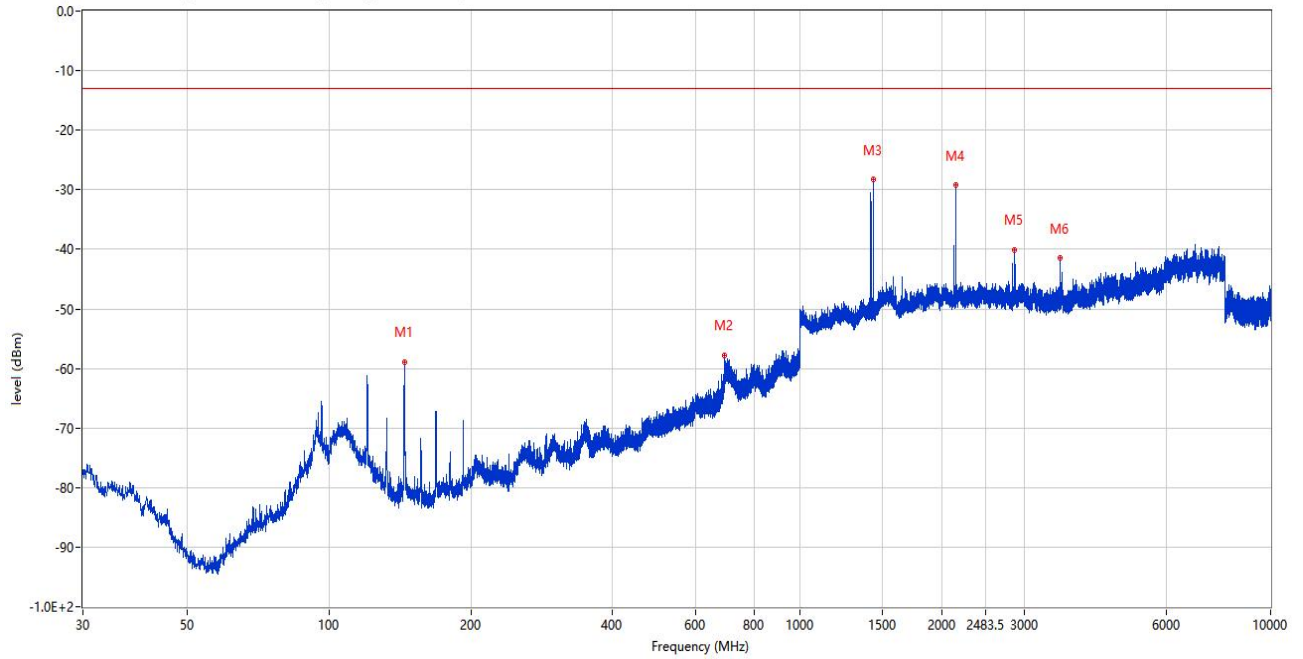
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.503	-69.34	-0.67	-13.0	56.34	147.00	Vertical	Horizontal	Pass
694.498	-58.39	9.74	-13.0	45.39	359.00	Vertical	Horizontal	Pass
1431.700	-31.69	3.71	-13.0	18.69	61.00	Vertical	Horizontal	Pass
2147.000	-29.10	6.06	-13.0	16.10	146.00	Vertical	Horizontal	Pass
2862.200	-40.51	7.59	-13.0	27.51	0.00	Vertical	Horizontal	Pass
6867.750	-40.02	14.98	-13.0	27.02	15.00	Vertical	Horizontal	Pass

Band:LTE B12

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

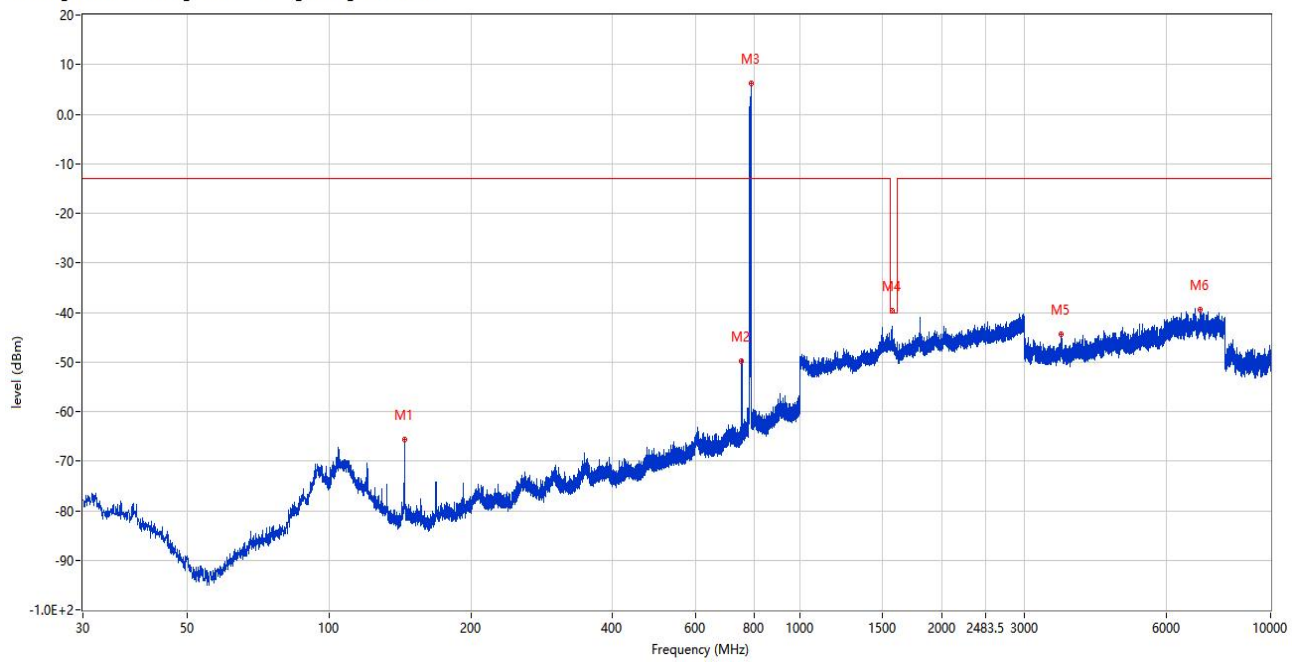


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.702	-58.93	-10.37	-13.0	45.93	284.00	Horizontal	Horizontal	Pass
693.044	-57.81	9.67	-13.0	44.81	257.00	Horizontal	Horizontal	Pass
1431.500	-28.30	3.71	-13.0	15.30	154.00	Horizontal	Horizontal	Pass
2147.000	-29.21	6.06	-13.0	16.21	319.00	Horizontal	Horizontal	Pass
2862.400	-40.08	7.59	-13.0	27.08	319.00	Horizontal	Horizontal	Pass
3577.000	-41.52	9.42	-13.0	28.52	193.00	Horizontal	Horizontal	Pass

1.5 LTE Cat-M Band 13

Band:LTE B13

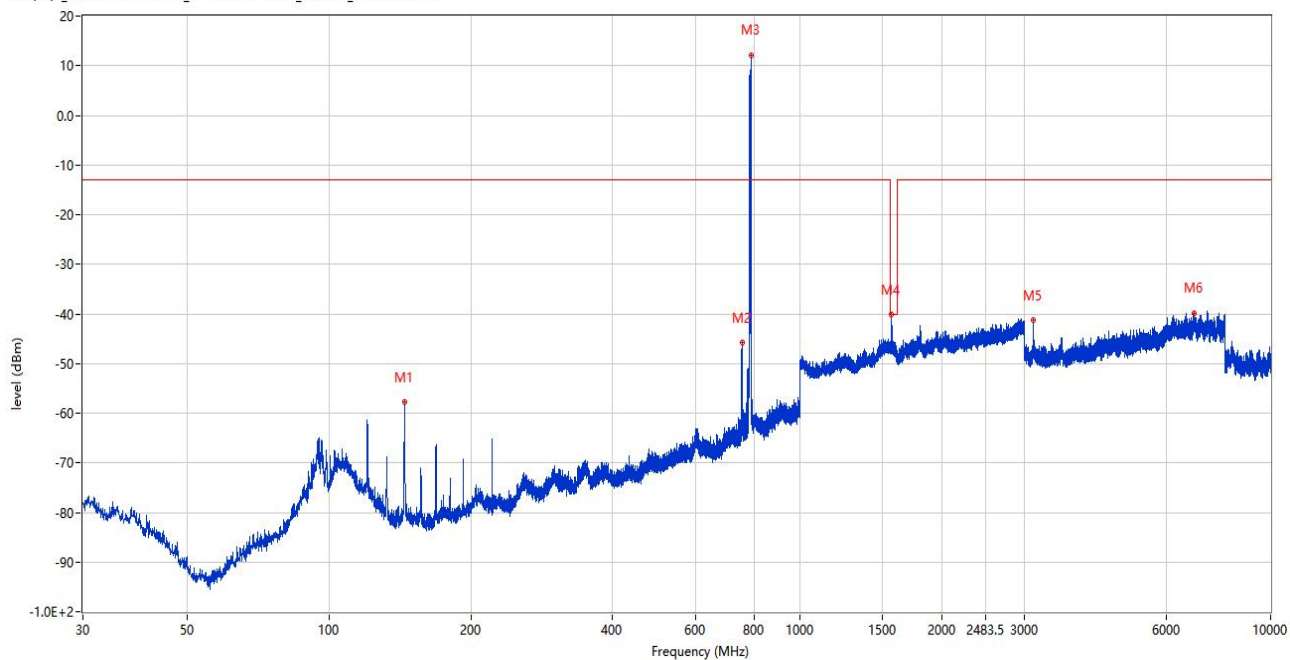
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.702	-65.73	-10.46	-13.0	52.73	326.00	Vertical	Horizontal	Pass
751.680	-49.75	5.19	-13.0	36.75	262.00	Vertical	Horizontal	Pass
786.600	6.21	7.44	-13.0	-19.21	353.00	Vertical	Horizontal	N/A
1574.100	-42.78	7.60	-40.0	2.78	190.00	Vertical	Horizontal	N/A
3595.000	-44.43	11.15	-13.0	31.43	0.00	Vertical	Horizontal	Pass
7098.000	-39.48	15.14	-13.0	26.48	110.00	Vertical	Horizontal	Pass

Band:LTE B13

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

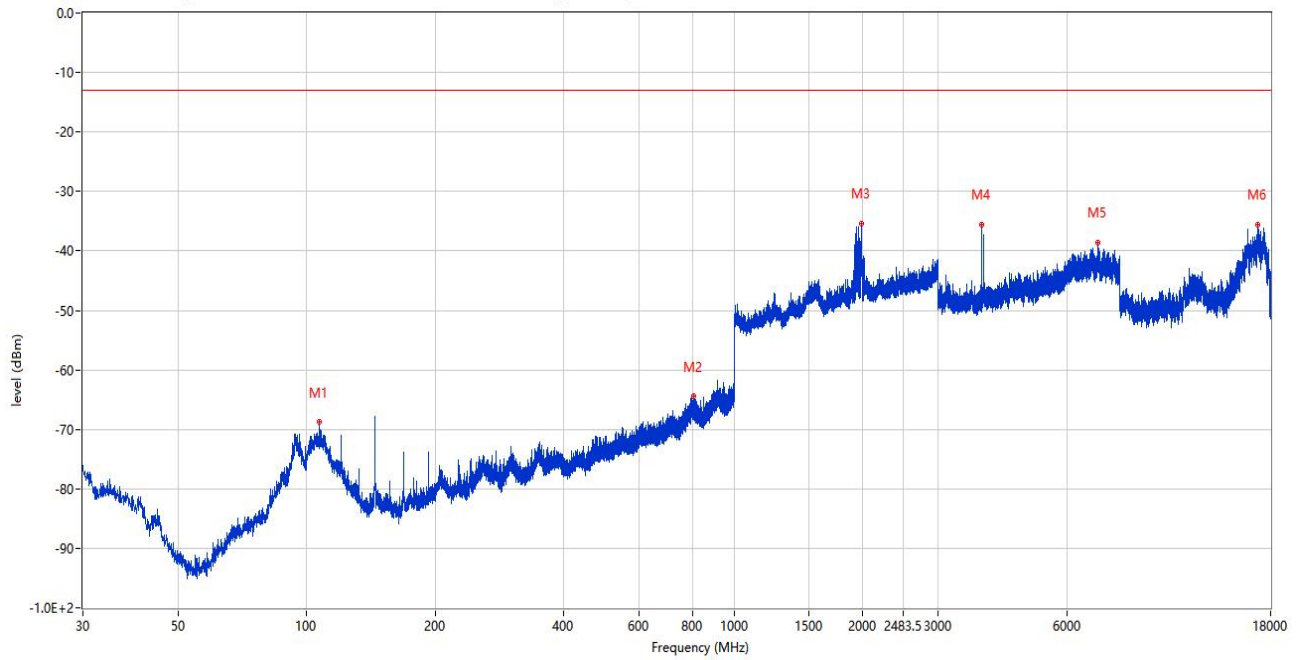


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.654	-57.73	-10.48	-13.0	44.73	290.00	Horizontal	Horizontal	Pass
755.511	-45.73	5.54	-13.0	32.73	160.00	Horizontal	Horizontal	Pass
786.649	12.19	7.45	-13.0	-25.19	33.00	Horizontal	Horizontal	N/A
1566.600	-40.03	7.72	-40.0	0.03	217.00	Horizontal	Horizontal	N/A
3131.500	-41.18	9.37	-13.0	28.18	219.00	Horizontal	Horizontal	Pass
6863.750	-39.78	14.90	-13.0	26.78	328.00	Horizontal	Horizontal	Pass

1.6 LTE Cat-M Band 25

Band:LTE B25

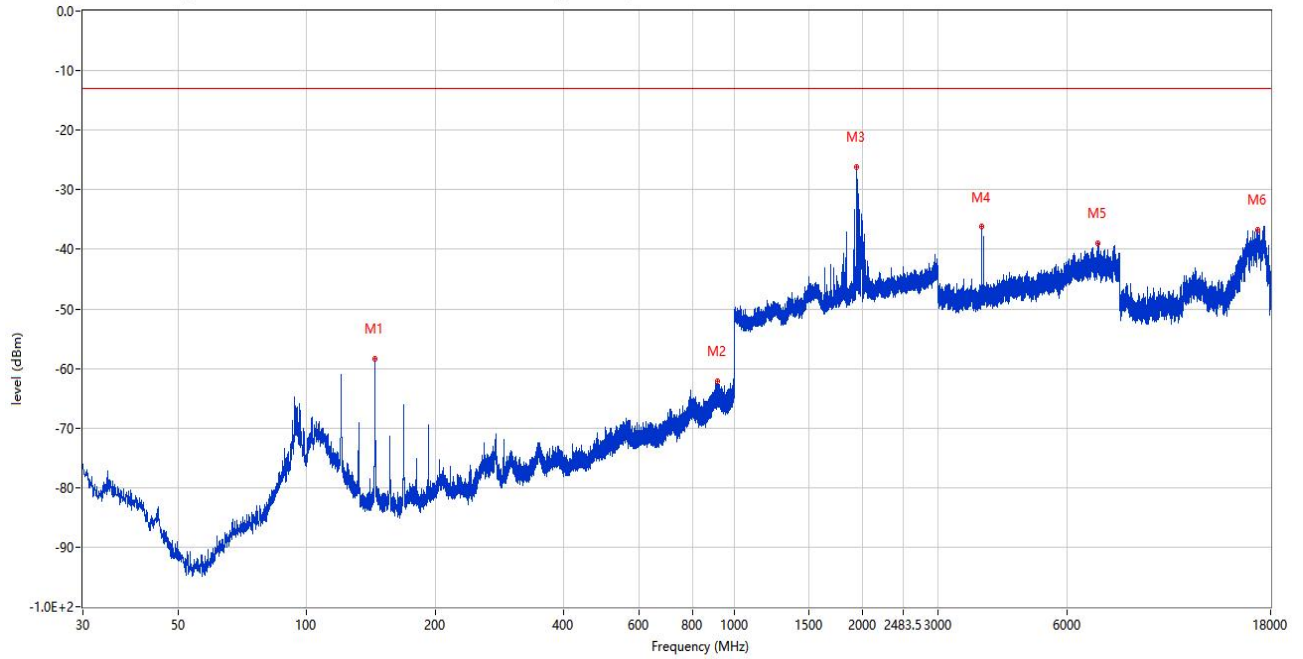
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.260	-68.83	-1.30	-13.0	55.83	115.00	Vertical	Horizontal	Pass
802.799	-64.43	3.33	-13.0	51.43	260.00	Vertical	Horizontal	Pass
1985.600	-35.38	6.82	-13.0	22.38	307.00	Vertical	Horizontal	N/A
3803.750	-35.61	9.86	-13.0	22.61	198.00	Vertical	Horizontal	Pass
7110.500	-38.69	15.66	-13.0	25.69	100.00	Vertical	Horizontal	Pass
16785.000	-35.57	28.01	-13.0	22.57	123.00	Vertical	Horizontal	Pass

Band:LTE B25

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

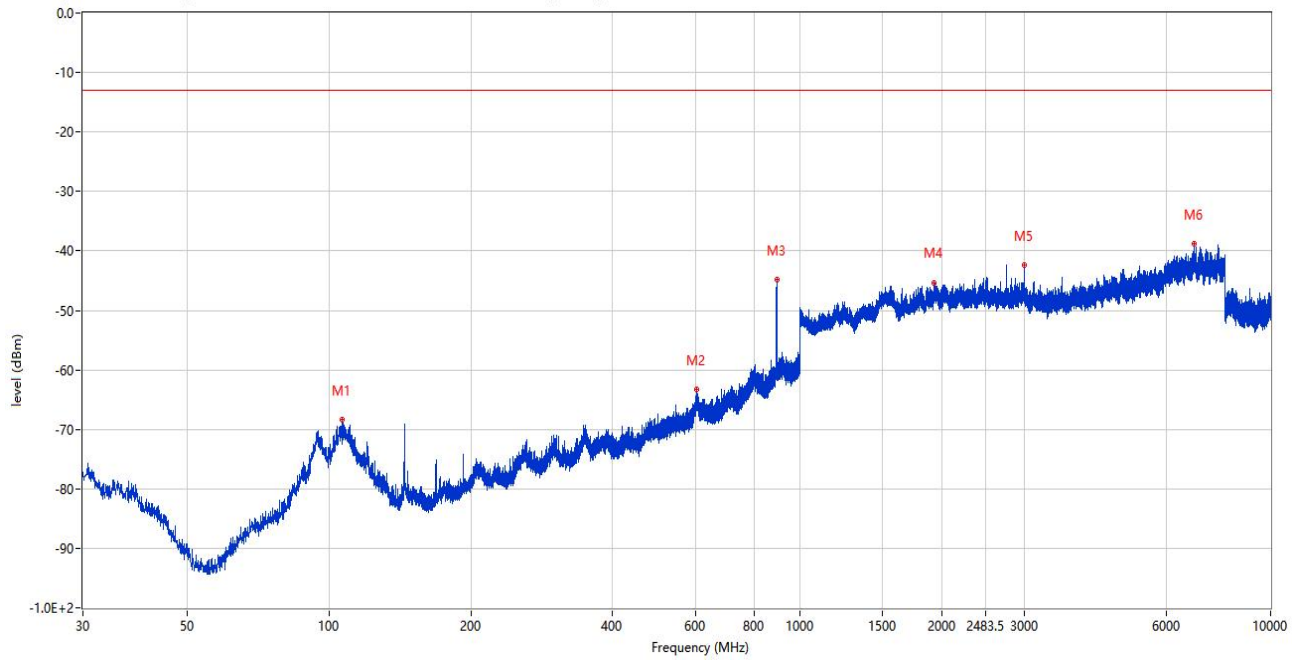


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.606	-58.30	-11.45	-13.0	45.30	102.00	Horizontal	Horizontal	Pass
914.349	-62.06	5.43	-13.0	49.06	152.00	Horizontal	Horizontal	Pass
1930.200	-26.16	8.18	-13.0	13.16	174.00	Horizontal	Horizontal	N/A
3804.000	-36.21	9.87	-13.0	23.21	233.00	Horizontal	Horizontal	Pass
7108.250	-38.92	15.69	-13.0	25.92	233.00	Horizontal	Horizontal	Pass
16815.500	-36.73	27.32	-13.0	23.73	0.00	Horizontal	Horizontal	Pass

1.7 LTE Cat-M Band 26(part22)

Band:LTE B26(part22)

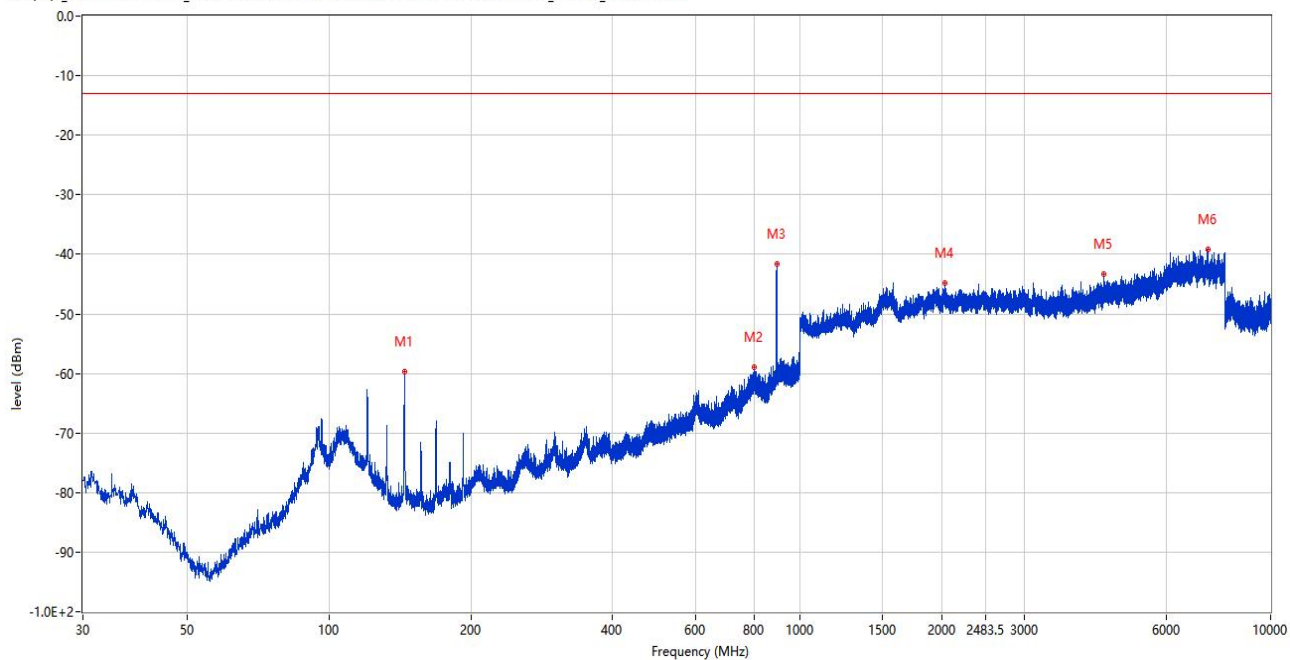
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.824	-68.44	-0.64	-13.0	55.44	124.00	Vertical	Horizontal	Pass
602.446	-63.35	5.27	-13.0	50.35	174.00	Vertical	Horizontal	Pass
893.494	-44.85	10.09	-13.0	31.85	346.00	Vertical	Horizontal	N/A
1926.600	-45.30	6.45	-13.0	32.30	0.00	Vertical	Horizontal	Pass
2996.800	-42.47	8.41	-13.0	29.47	288.00	Vertical	Horizontal	Pass
6866.500	-38.88	14.96	-13.0	25.88	6.00	Vertical	Horizontal	Pass

Band:LTE B26(part22)

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

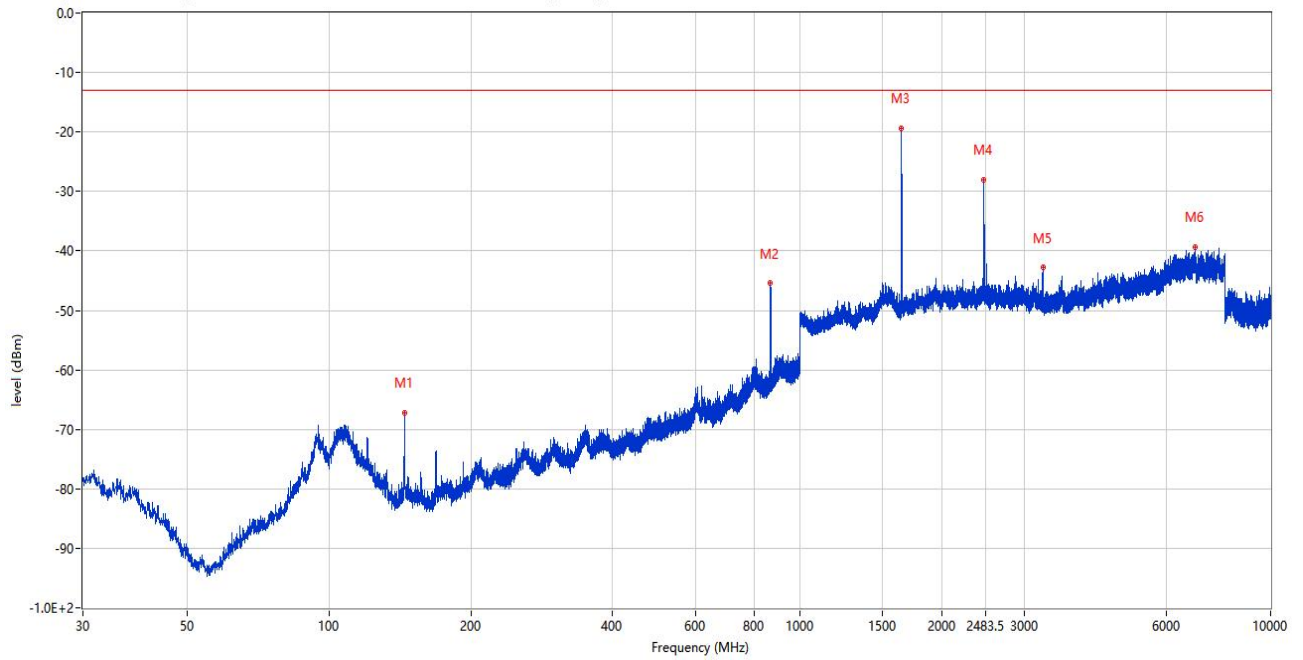


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.702	-59.71	-10.46	-13.0	46.71	274.00	Horizontal	Horizontal	Pass
801.635	-58.93	8.88	-13.0	45.93	359.00	Horizontal	Horizontal	Pass
893.688	-41.59	10.07	-13.0	28.59	172.00	Horizontal	Horizontal	N/A
2036.500	-44.87	7.24	-13.0	31.87	153.00	Horizontal	Horizontal	Pass
4429.250	-43.28	11.83	-13.0	30.28	105.00	Horizontal	Horizontal	Pass
7354.000	-39.10	15.53	-13.0	26.10	343.00	Horizontal	Horizontal	Pass

1.8 LTE Cat-M Band 26(part90)

Band:LTE B26(part90)

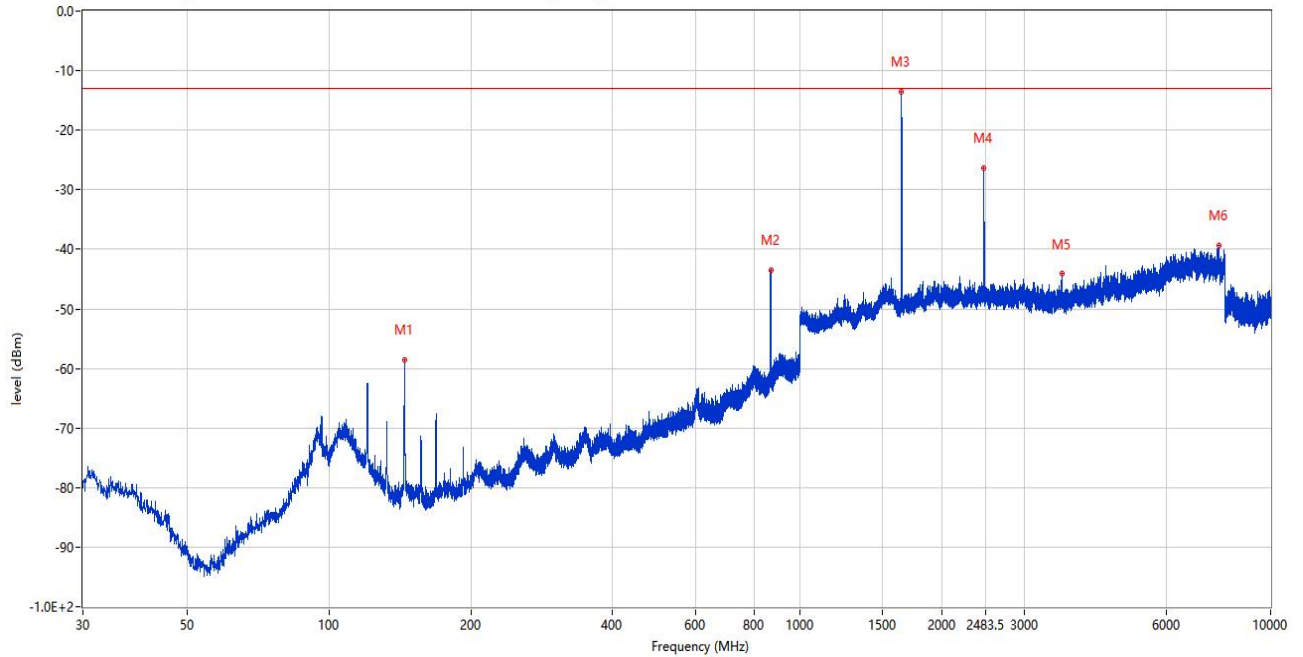
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.606	-67.16	-10.50	-13.0	54.16	22.00	Vertical	Horizontal	Pass
864.782	-45.47	8.77	-13.0	32.47	337.00	Vertical	Horizontal	N/A
1640.300	-19.34	3.82	-13.0	6.34	139.00	Vertical	Horizontal	Pass
2460.100	-27.98	6.98	-13.0	14.98	0.00	Vertical	Horizontal	Pass
3280.250	-42.75	8.47	-13.0	29.75	147.00	Vertical	Horizontal	Pass
6912.500	-39.33	14.64	-13.0	26.33	129.00	Vertical	Horizontal	Pass

Band:LTE B26(part90)

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

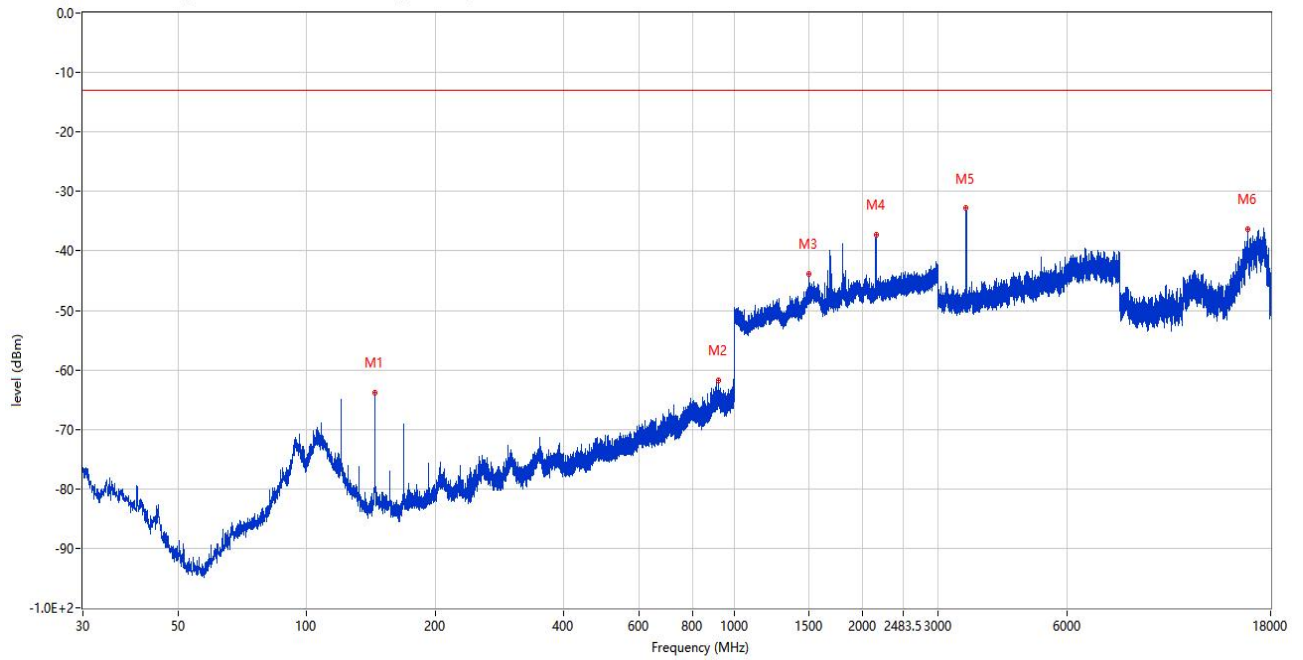


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.751	-58.52	-10.44	-13.0	45.52	288.00	Horizontal	Horizontal	Pass
866.770	-43.51	8.80	-13.0	30.51	164.00	Horizontal	Horizontal	N/A
1640.800	-13.48	3.83	-13.0	0.48	194.00	Horizontal	Horizontal	Pass
2460.300	-26.36	6.98	-13.0	13.36	177.00	Horizontal	Horizontal	Pass
3598.500	-44.08	11.78	-13.0	31.08	195.00	Horizontal	Horizontal	Pass
7767.250	-39.35	15.58	-13.0	26.35	299.00	Horizontal	Horizontal	Pass

1.9 LTE Cat-M Band 66

Band:LTE B66

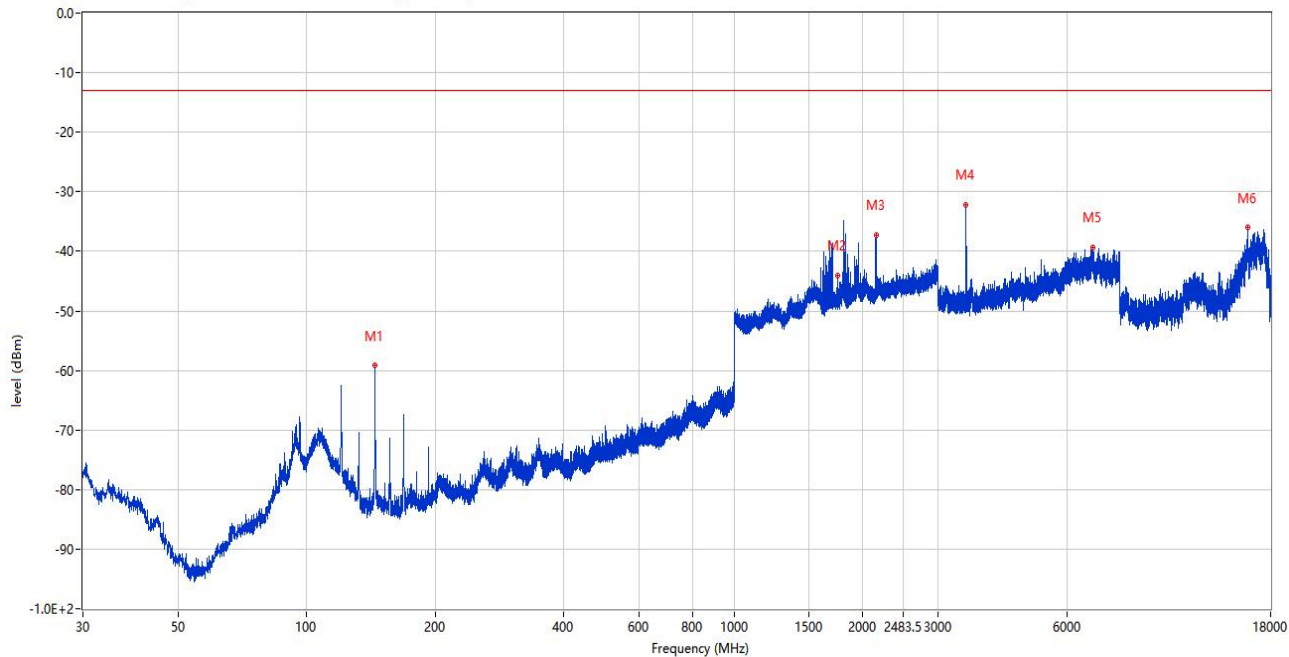
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.606	-63.93	-11.45	-13.0	50.93	329.00	Vertical	Horizontal	Pass
919.684	-61.76	5.51	-13.0	48.76	97.00	Vertical	Horizontal	Pass
1498.400	-43.81	6.65	-13.0	30.81	282.00	Vertical	Horizontal	Pass
2147.600	-37.26	7.38	-13.0	24.26	318.00	Vertical	Horizontal	N/A
3486.750	-32.79	9.14	-13.0	19.79	329.00	Vertical	Horizontal	Pass
15937.537	-36.27	29.12	-13.0	23.27	118.00	Vertical	Horizontal	Pass

Band:LTE B66

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

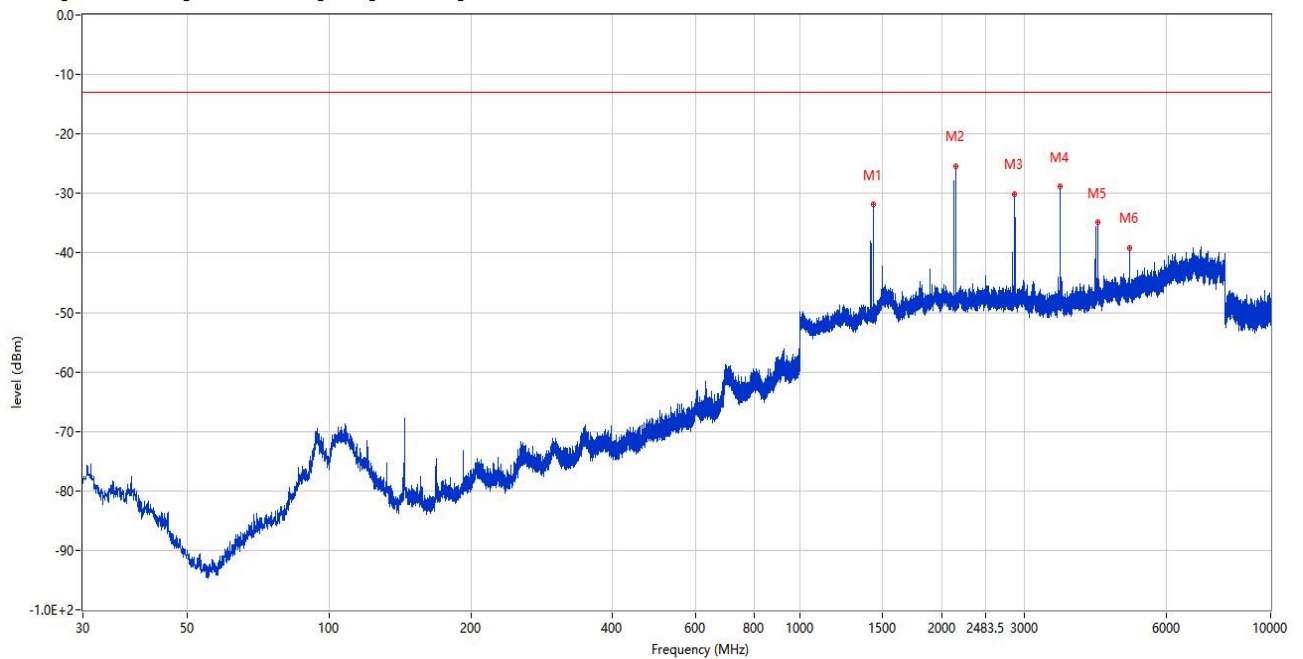


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.702	-59.19	-11.41	-13.0	46.19	274.00	Horizontal	Horizontal	Pass
1748.100	-44.07	6.19	-13.0	31.07	175.00	Horizontal	Horizontal	N/A
2147.700	-37.21	7.38	-13.0	24.21	301.00	Horizontal	Horizontal	N/A
3487.000	-32.11	9.15	-13.0	19.11	222.00	Horizontal	Horizontal	Pass
6892.750	-39.31	14.85	-13.0	26.31	113.00	Horizontal	Horizontal	Pass
15919.688	-36.00	29.02	-13.0	23.00	133.00	Horizontal	Horizontal	Pass

1.10 LTE Cat-M Band 85

Band:LTE B85

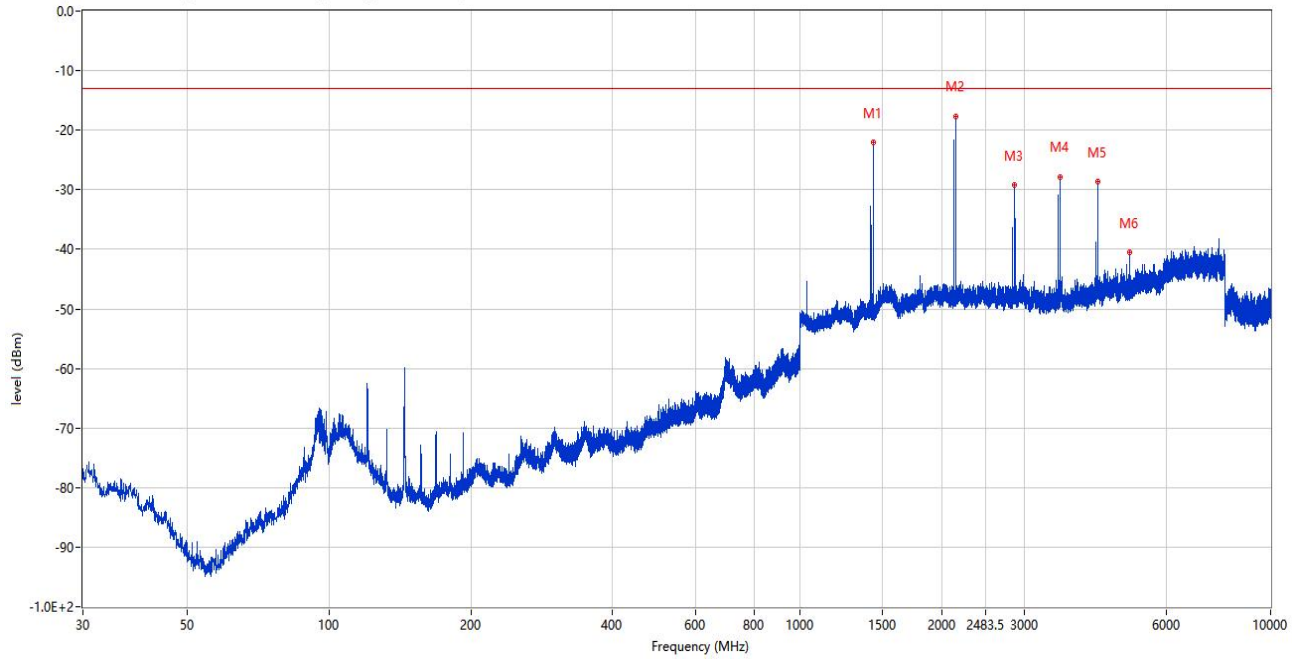
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1431.400	-31.84	3.71	-13.0	18.84	166.00	Vertical	Horizontal	Pass
2146.900	-25.33	6.06	-13.0	12.33	128.00	Vertical	Horizontal	Pass
2862.400	-30.13	7.59	-13.0	17.13	147.00	Vertical	Horizontal	Pass
3577.250	-28.80	9.42	-13.0	15.80	139.00	Vertical	Horizontal	Pass
4292.750	-34.86	10.47	-13.0	21.86	309.00	Vertical	Horizontal	Pass
5008.500	-39.08	11.05	-13.0	26.08	309.00	Vertical	Horizontal	Pass

Band:LTE B85

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



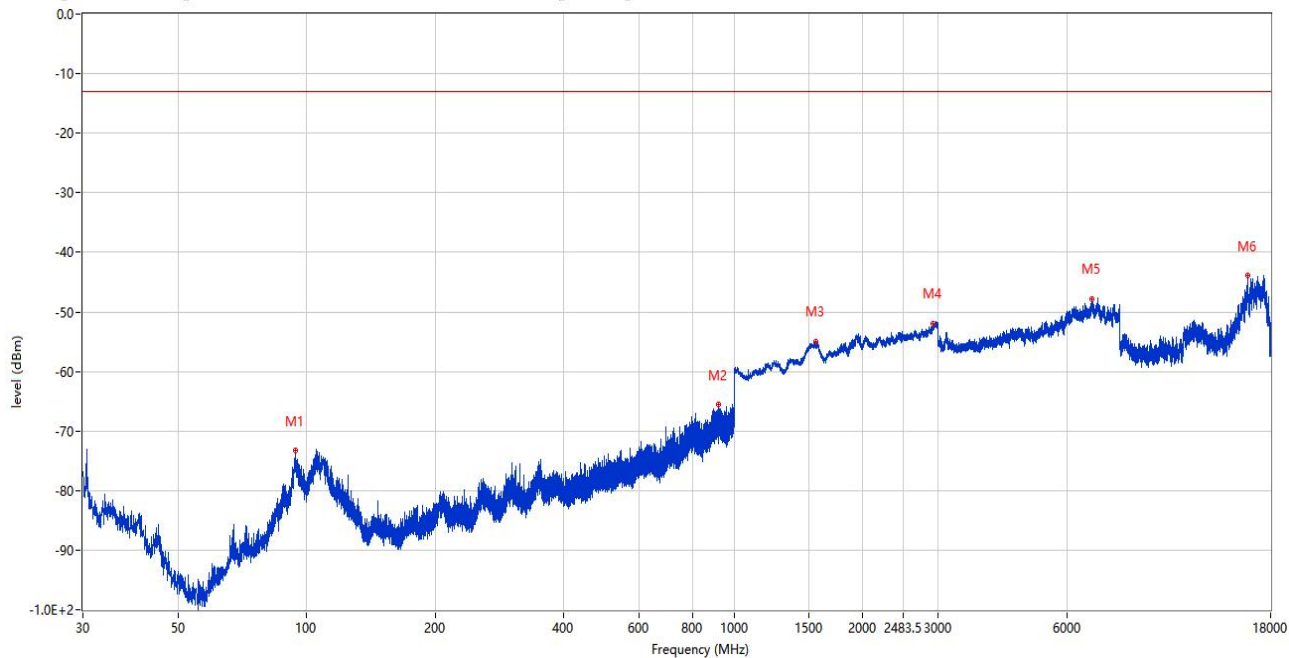
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1431.600	-22.05	3.71	-13.0	9.05	144.00	Horizontal	Horizontal	Pass
2147.100	-17.71	6.06	-13.0	4.71	240.00	Horizontal	Horizontal	Pass
2862.200	-29.28	7.59	-13.0	16.28	258.00	Horizontal	Horizontal	Pass
3577.250	-27.88	9.42	-13.0	14.88	199.00	Horizontal	Horizontal	Pass
4293.250	-28.68	10.46	-13.0	15.68	199.00	Horizontal	Horizontal	Pass
5008.750	-40.54	11.05	-13.0	27.54	180.00	Horizontal	Horizontal	Pass

2 LTE NB-IoT

2.1 LTE NB-IoT Band 2

Band:LTE B2

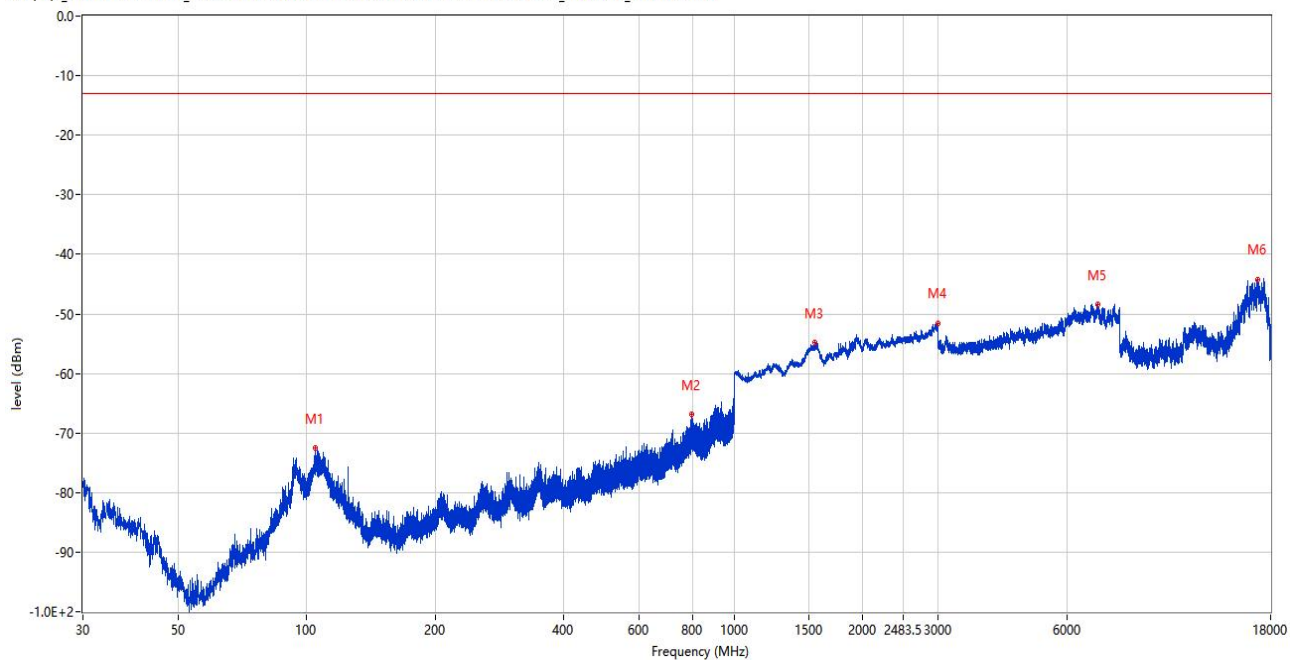
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
94.117	-73.28	-1.81	-13.0	60.28	216.00	Vertical	Horizontal	Pass
918.714	-65.58	5.49	-13.0	52.58	36.00	Vertical	Horizontal	Pass
1555.000	-55.00	7.09	-13.0	42.00	324.00	Vertical	Horizontal	Pass
2918.000	-52.06	11.72	-13.0	39.06	180.00	Vertical	Horizontal	Pass
6867.000	-47.80	14.97	-13.0	34.80	144.00	Vertical	Horizontal	Pass
15936.500	-43.92	29.11	-13.0	30.92	324.00	Vertical	Horizontal	Pass

Band:LTE B2

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

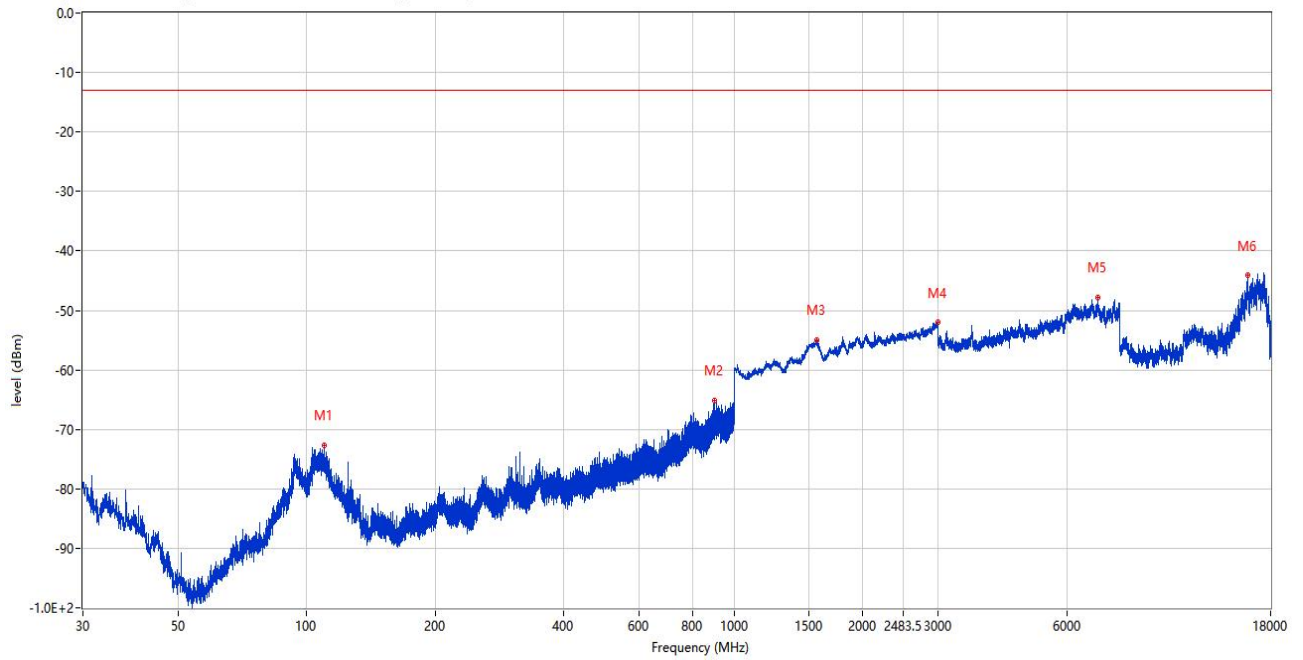


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
104.884	-72.44	-1.19	-13.0	59.44	360.00	Horizontal	Horizontal	Pass
795.088	-66.92	3.28	-13.0	53.92	324.00	Horizontal	Horizontal	Pass
1546.000	-54.85	6.91	-13.0	41.85	216.00	Horizontal	Horizontal	Pass
2998.000	-51.54	12.19	-13.0	38.54	252.00	Horizontal	Horizontal	Pass
7101.000	-48.48	15.34	-13.0	35.48	288.00	Horizontal	Horizontal	Pass
16777.000	-44.20	28.15	-13.0	31.20	180.00	Horizontal	Horizontal	Pass

2.2 LTE NB-IoT Band 4

Band:LTE B4

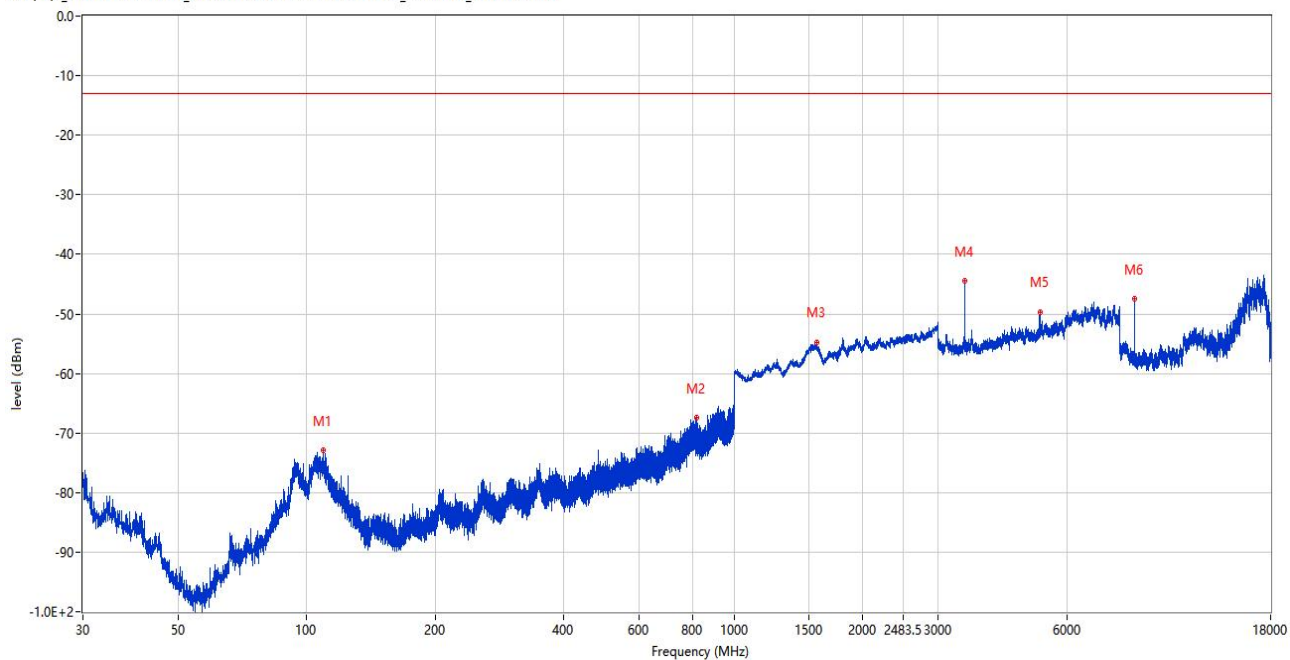
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
110.171	-72.73	-1.70	-13.0	59.73	324.00	Vertical	Horizontal	Pass
899.557	-65.10	5.02	-13.0	52.10	216.00	Vertical	Horizontal	Pass
1561.000	-54.98	7.16	-13.0	41.98	36.00	Vertical	Horizontal	Pass
2993.000	-52.03	12.18	-13.0	39.03	288.00	Vertical	Horizontal	Pass
7091.500	-47.76	15.01	-13.0	34.76	252.00	Vertical	Horizontal	Pass
15890.025	-44.09	28.60	-13.0	31.09	36.00	Vertical	Horizontal	Pass

Band:LTE B4

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

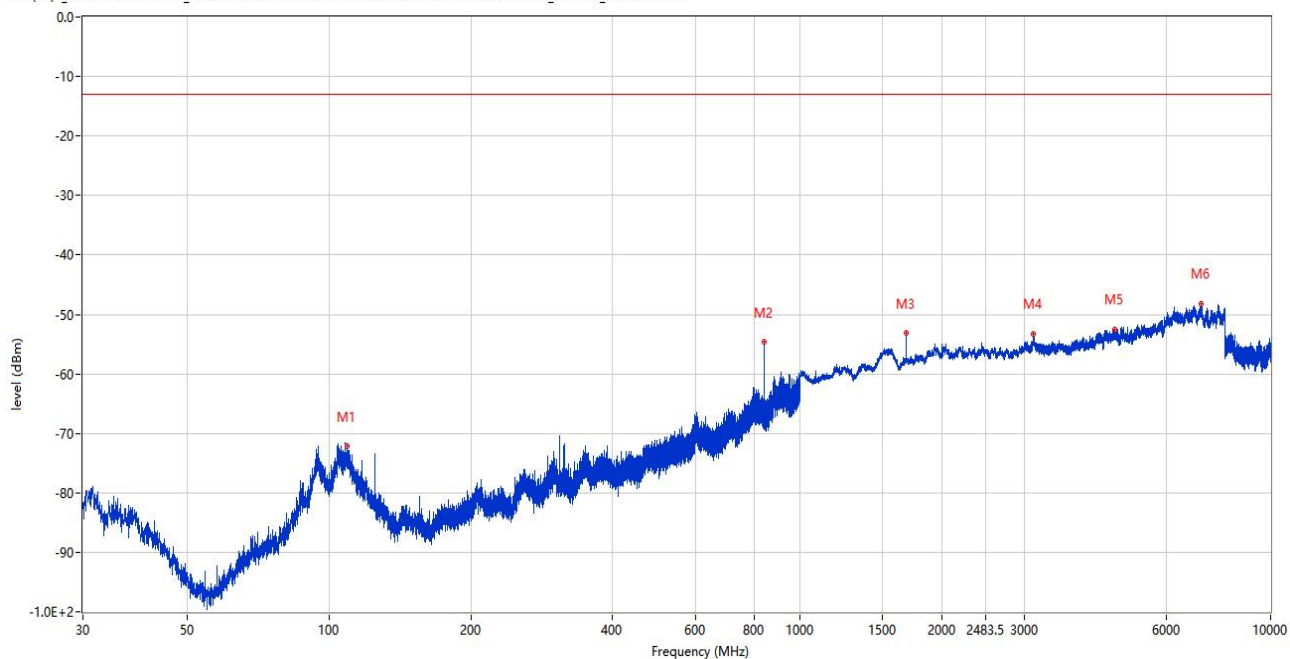


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
109.540	-72.81	-1.52	-13.0	59.81	216.00	Horizontal	Horizontal	Pass
817.349	-67.50	2.93	-13.0	54.50	108.00	Horizontal	Horizontal	Pass
1560.500	-54.73	7.18	-13.0	41.73	36.00	Horizontal	Horizontal	Pass
3465.000	-44.38	9.07	-13.0	31.38	216.00	Horizontal	Horizontal	Pass
5197.500	-49.80	11.79	-13.0	36.80	288.00	Horizontal	Horizontal	Pass
8663.099	-47.53	13.94	-13.0	34.53	144.00	Horizontal	Horizontal	Pass

2.3 LTE NB-IoT Band 5

Band:LTE B5

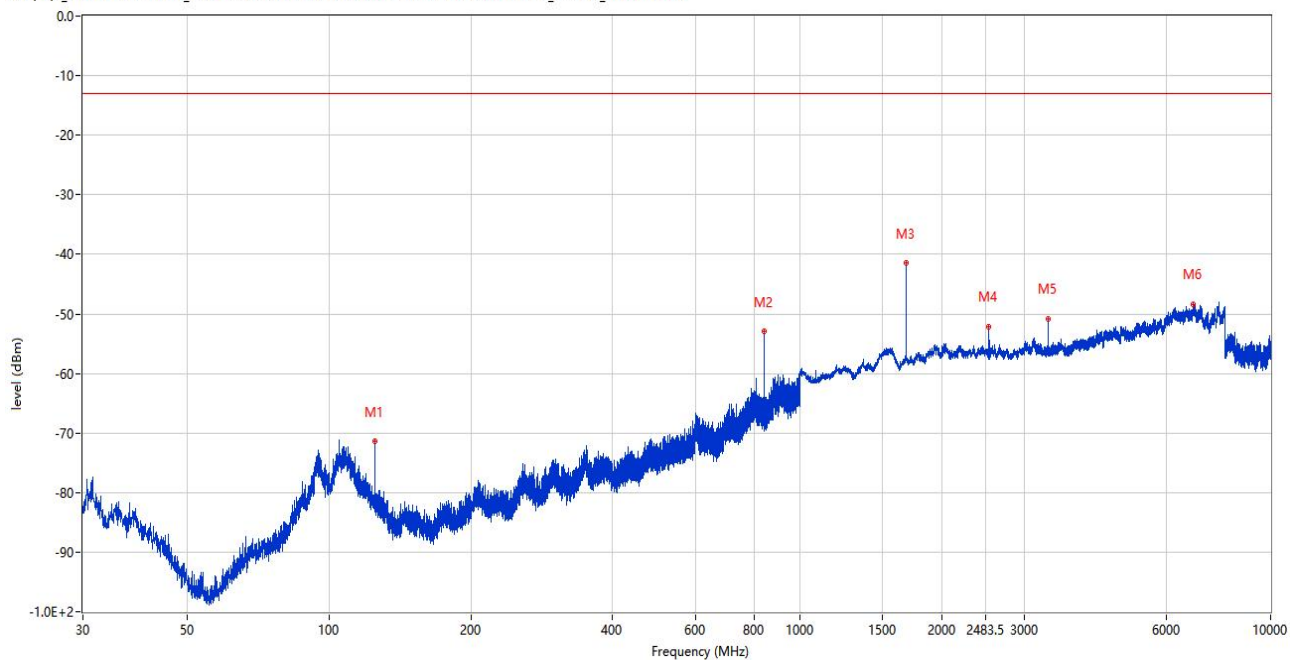
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
109.298	-72.19	-0.87	-13.0	59.19	360.00	Vertical	Horizontal	Pass
840.872	-54.69	7.31	-13.0	41.69	36.00	Vertical	Horizontal	N/A
1682.000	-53.15	4.92	-13.0	40.15	72.00	Vertical	Horizontal	Pass
3133.500	-53.28	9.48	-13.0	40.28	360.00	Vertical	Horizontal	Pass
4659.500	-52.51	11.18	-13.0	39.51	288.00	Vertical	Horizontal	Pass
7110.000	-48.19	15.67	-13.0	35.19	108.00	Vertical	Horizontal	Pass

Band:LTE B5

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

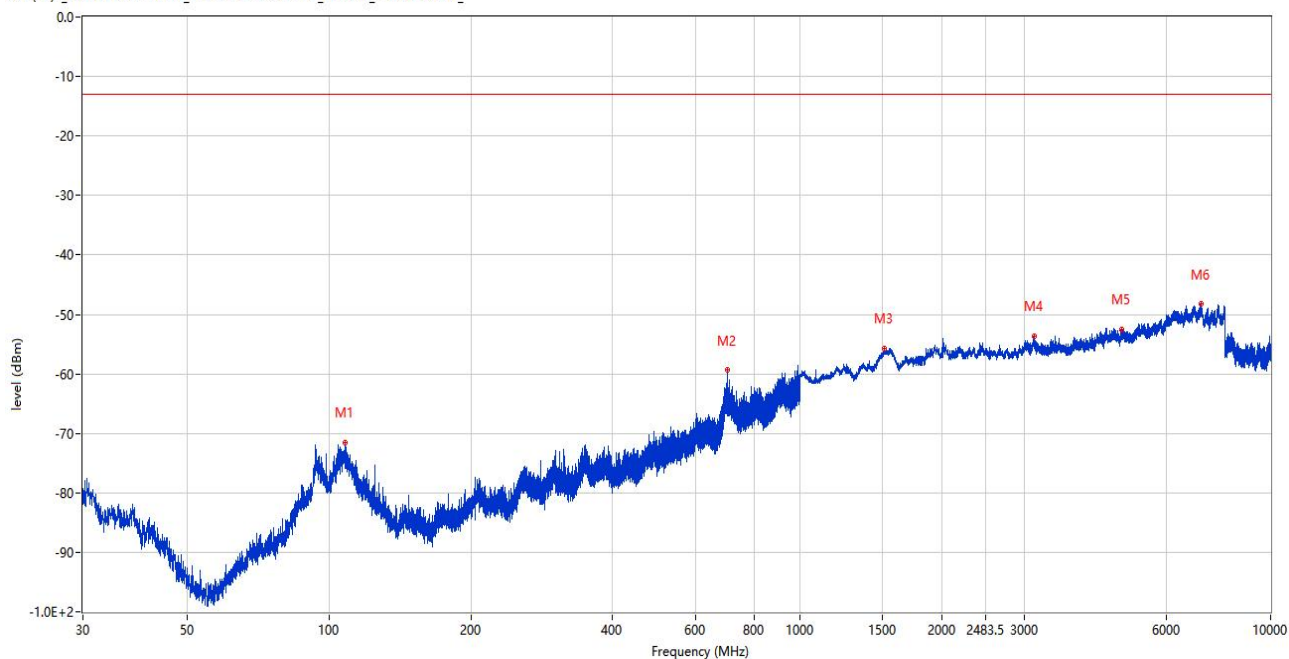


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
124.963	-71.44	-8.25	-13.0	58.44	36.00	Horizontal	Horizontal	Pass
840.920	-52.93	7.31	-13.0	39.93	72.00	Horizontal	Horizontal	N/A
1682.000	-41.49	4.92	-13.0	28.49	216.00	Horizontal	Horizontal	Pass
2522.500	-52.16	7.17	-13.0	39.16	324.00	Horizontal	Horizontal	Pass
3364.000	-50.77	8.55	-13.0	37.77	324.00	Horizontal	Horizontal	Pass
6857.500	-48.36	14.70	-13.0	35.36	108.00	Horizontal	Horizontal	Pass

2.4 LTE NB-IoT Band 12

Band:LTE B12

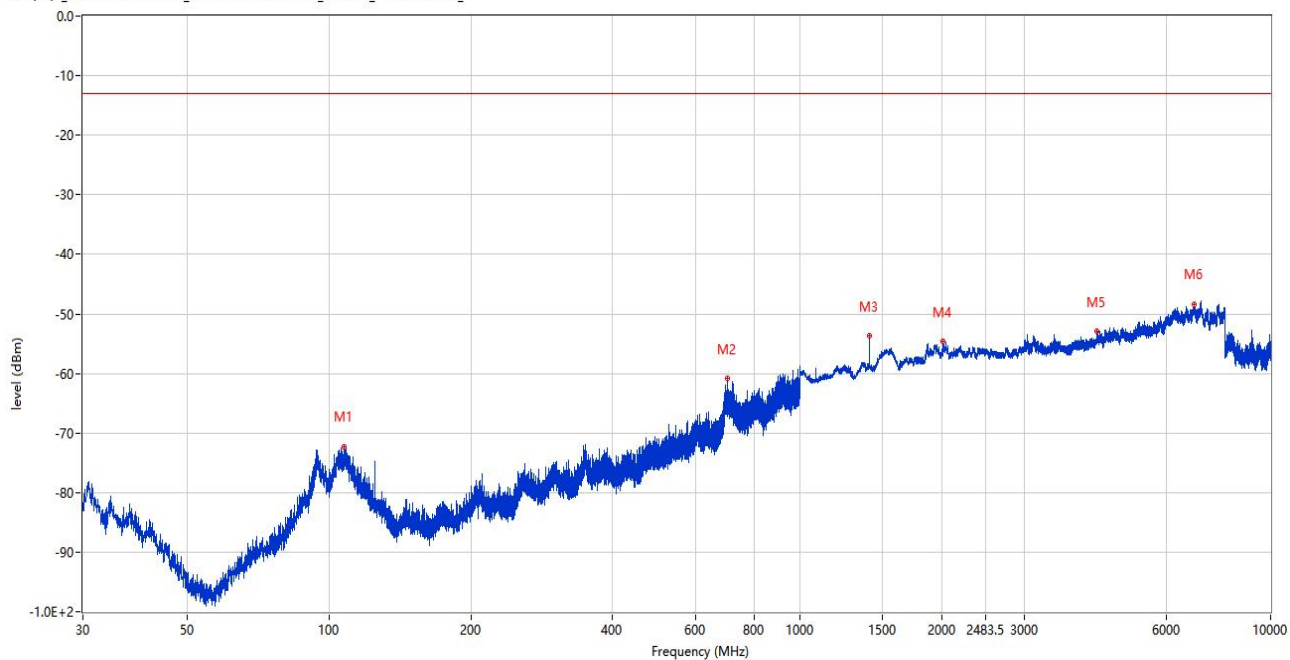
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
108.279	-71.50	-0.75	-13.0	58.50	288.00	Vertical	Horizontal	Pass
703.083	-59.24	9.84	-13.0	46.24	324.00	Vertical	Horizontal	N/A
1512.000	-55.71	6.05	-13.0	42.71	36.00	Vertical	Horizontal	Pass
3142.500	-53.75	9.79	-13.0	40.75	72.00	Vertical	Horizontal	Pass
4814.500	-52.49	12.14	-13.0	39.49	288.00	Vertical	Horizontal	Pass
7107.000	-48.26	15.66	-13.0	35.26	360.00	Vertical	Horizontal	Pass

Band:LTE B12

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

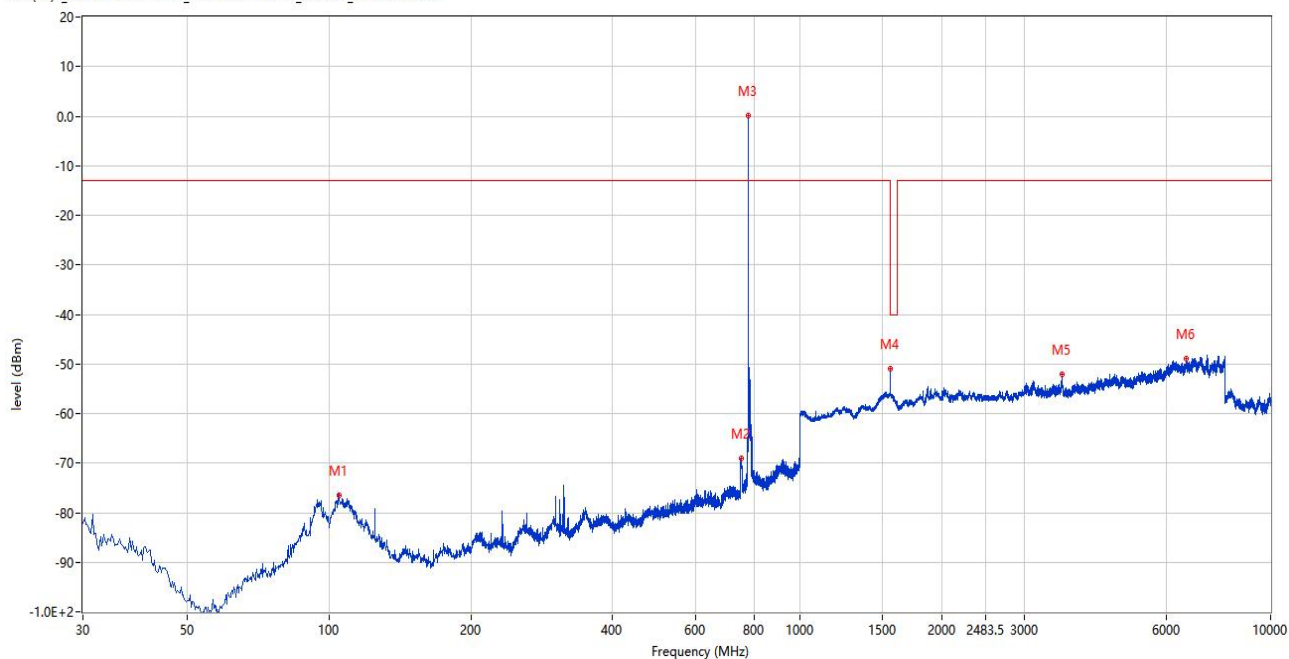


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.794	-72.32	-0.70	-13.0	59.32	144.00	Horizontal	Horizontal	Pass
703.083	-60.90	9.84	-13.0	47.90	36.00	Horizontal	Horizontal	N/A
1406.000	-53.70	3.74	-13.0	40.70	324.00	Horizontal	Horizontal	Pass
2011.500	-54.67	6.34	-13.0	41.67	360.00	Horizontal	Horizontal	Pass
4272.500	-53.00	10.50	-13.0	40.00	180.00	Horizontal	Horizontal	Pass
6893.000	-48.41	14.85	-13.0	35.41	36.00	Horizontal	Horizontal	Pass

2.5 LTE NB-IoT Band 13

Band:LTE B13

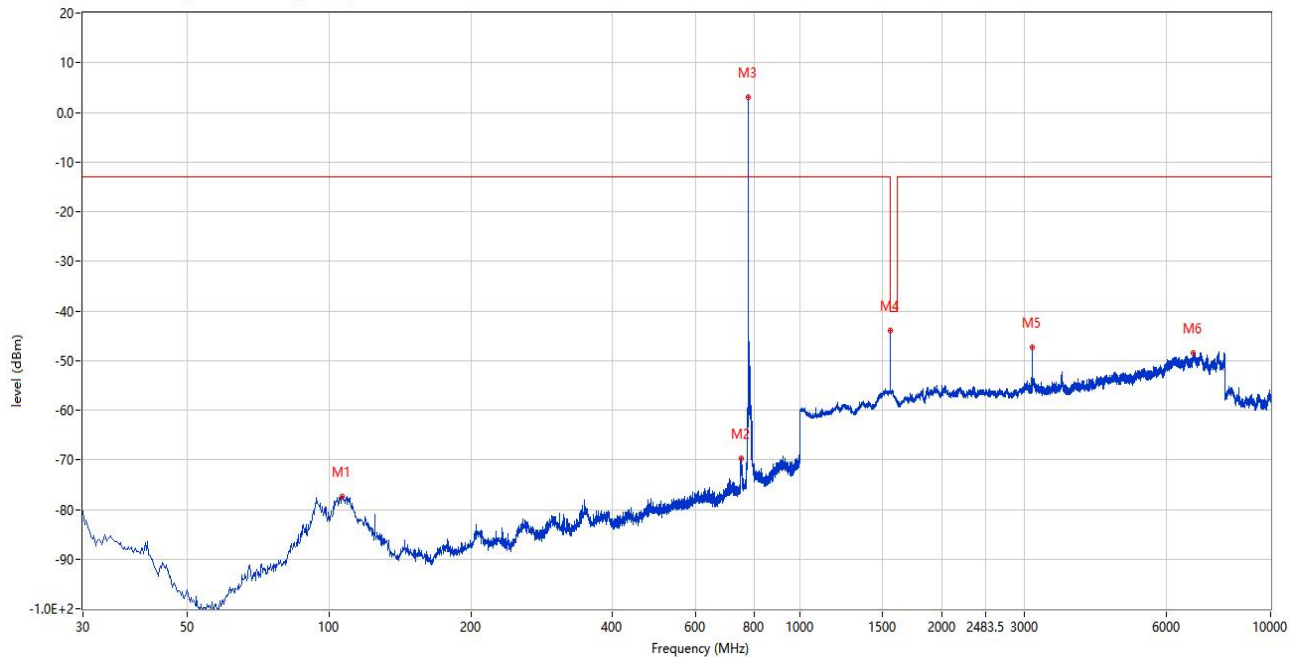
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
104.933	-76.58	-1.14	-13.0	63.58	180.00	Vertical	Horizontal	Pass
751.438	-69.14	0.72	-13.0	56.14	360.00	Vertical	Horizontal	N/A
777.628	0.03	2.00	-13.0	-13.03	36.00	Vertical	Horizontal	N/A
1555.000	-51.01	6.37	-13.0	38.01	288.00	Vertical	Horizontal	Pass
3599.000	-52.18	11.83	-13.0	39.18	72.00	Vertical	Horizontal	Pass
6624.000	-48.86	15.18	-13.0	35.86	252.00	Vertical	Horizontal	Pass

Band:LTE B13

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

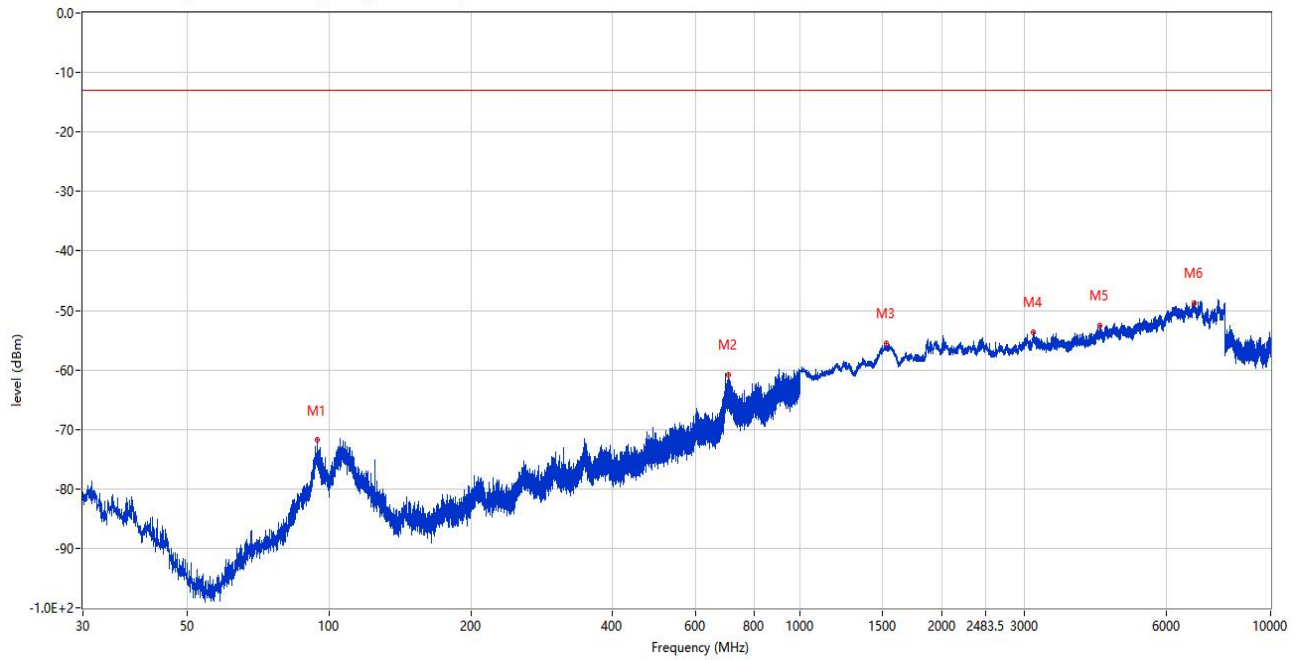


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.387	-77.43	-1.21	-13.0	64.43	324.00	Horizontal	Horizontal	Pass
749.740	-69.77	0.60	-13.0	56.77	72.00	Horizontal	Horizontal	N/A
777.628	2.99	2.00	-13.0	-15.99	180.00	Horizontal	Horizontal	N/A
1555.000	-43.91	6.37	-13.0	30.91	36.00	Horizontal	Horizontal	Pass
3110.500	-47.78	8.86	-13.0	34.78	36.00	Horizontal	Horizontal	Pass
6862.500	-48.54	14.87	-13.0	35.54	72.00	Horizontal	Horizontal	Pass

2.6 LTE NB-IoT Band 17

Band:LTE B17

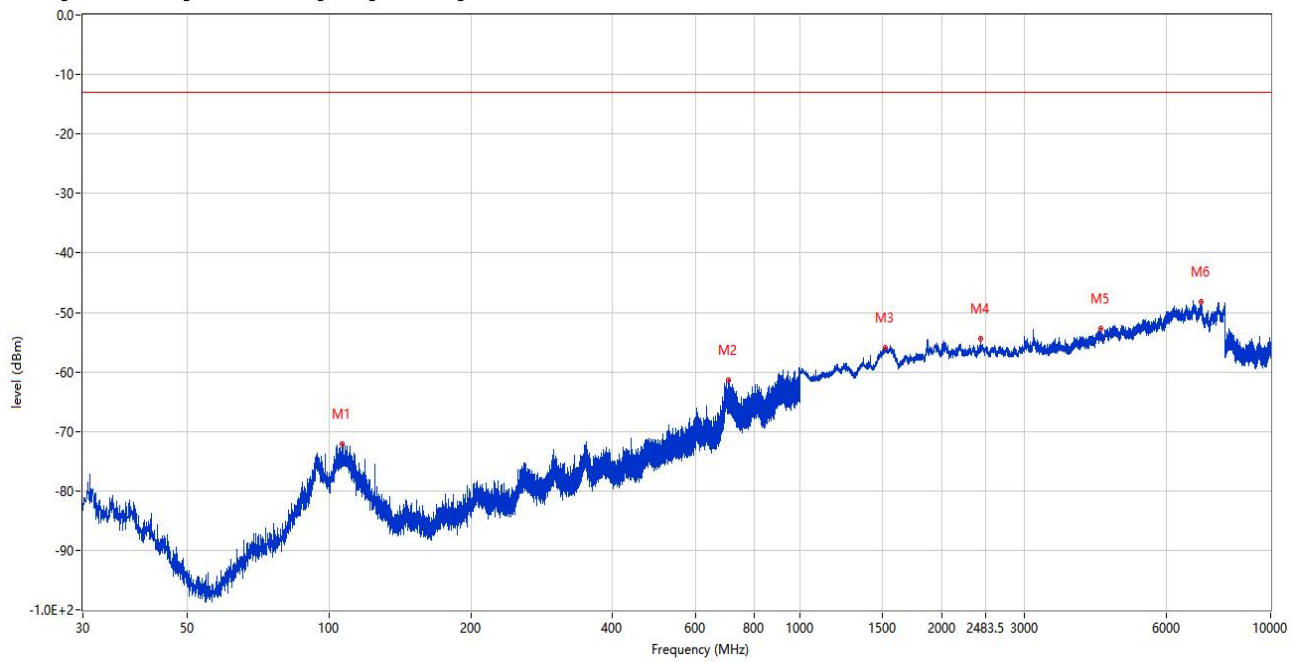
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
94.359	-71.82	-1.39	-13.0	58.82	180.00	Vertical	Horizontal	Pass
706.478	-60.77	9.69	-13.0	47.77	288.00	Vertical	Horizontal	N/A
1526.500	-55.55	6.05	-13.0	42.55	288.00	Vertical	Horizontal	Pass
3138.000	-53.64	9.76	-13.0	40.64	216.00	Vertical	Horizontal	Pass
4344.500	-52.46	11.18	-13.0	39.46	252.00	Vertical	Horizontal	Pass
6882.000	-48.70	14.83	-13.0	35.70	180.00	Vertical	Horizontal	Pass

Band:LTE B17

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

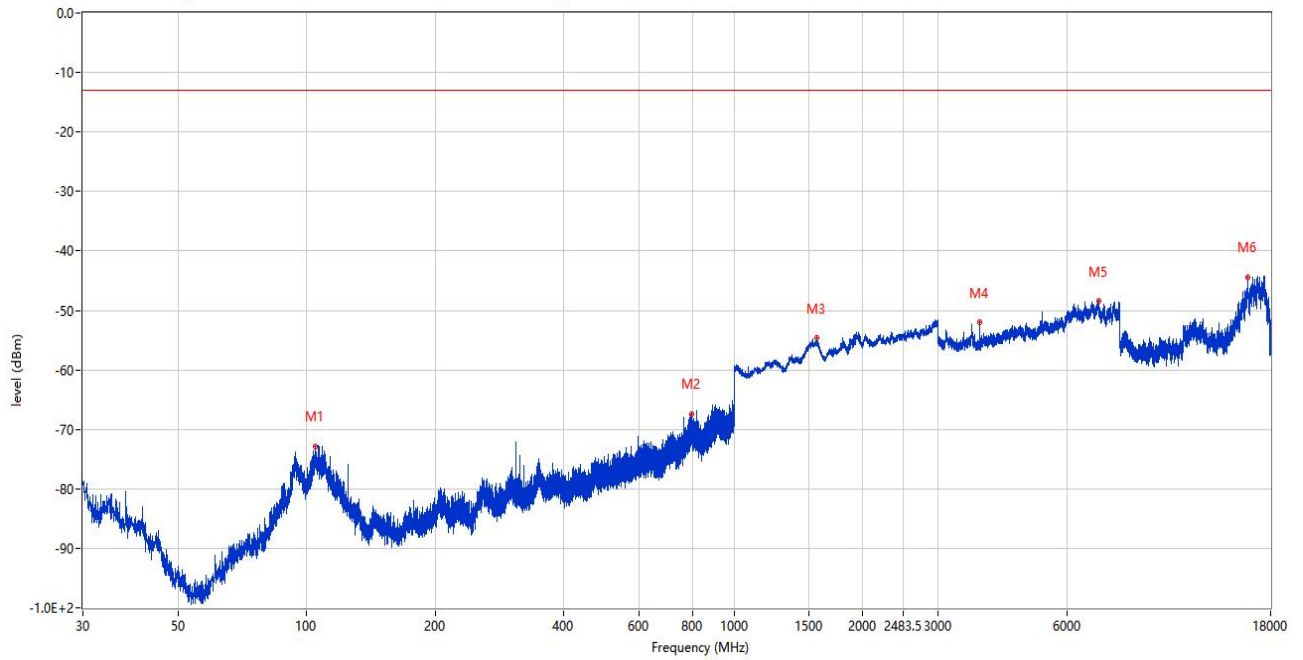


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.581	-72.10	-0.56	-13.0	59.10	324.00	Horizontal	Horizontal	Pass
706.284	-61.31	9.70	-13.0	48.31	324.00	Horizontal	Horizontal	N/A
1519.000	-55.99	6.08	-13.0	42.99	252.00	Horizontal	Horizontal	Pass
2419.000	-54.44	7.03	-13.0	41.44	108.00	Horizontal	Horizontal	Pass
4361.500	-52.79	11.07	-13.0	39.79	324.00	Horizontal	Horizontal	Pass
7104.500	-48.22	15.53	-13.0	35.22	252.00	Horizontal	Horizontal	Pass

2.7 LTE NB-IoT Band 25

Band:LTE B25

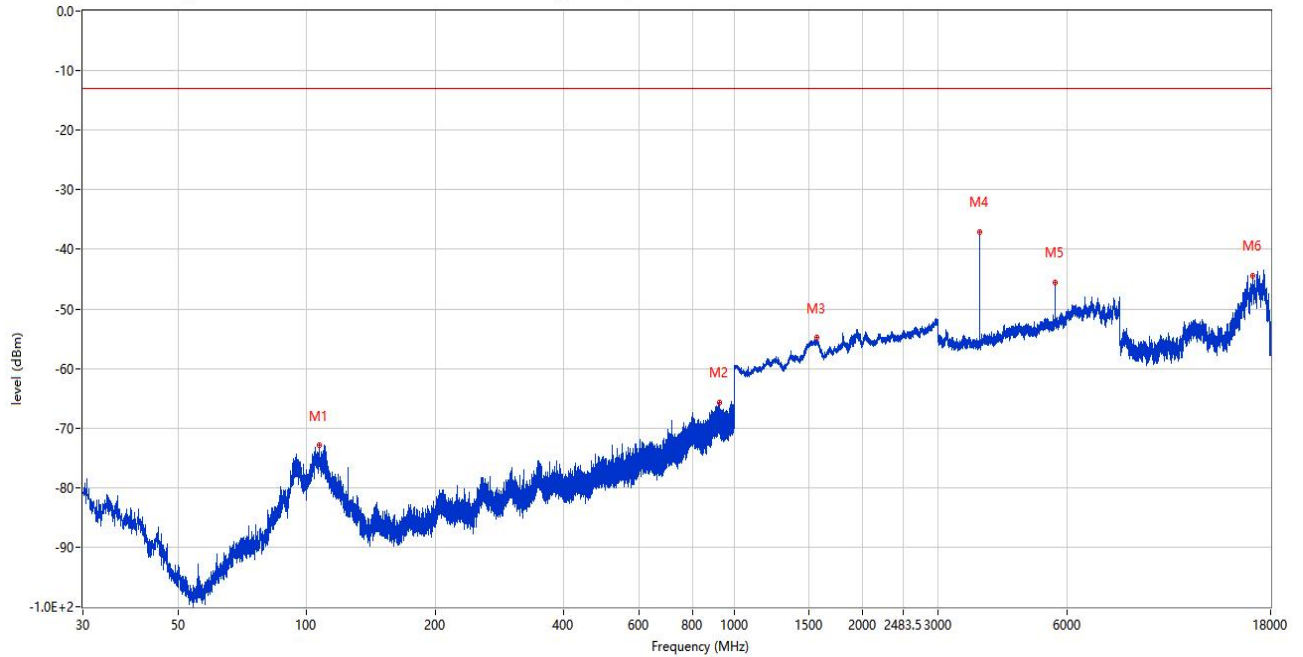
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
104.836	-72.80	-1.23	-13.0	59.80	216.00	Vertical	Horizontal	Pass
797.222	-67.39	3.36	-13.0	54.39	36.00	Vertical	Horizontal	Pass
1565.500	-54.67	7.13	-13.0	41.67	180.00	Vertical	Horizontal	Pass
3755.000	-52.03	9.52	-13.0	39.03	72.00	Vertical	Horizontal	Pass
7123.500	-48.45	15.45	-13.0	35.45	288.00	Vertical	Horizontal	Pass
15937.000	-44.39	29.12	-13.0	31.39	144.00	Vertical	Horizontal	Pass

Band:LTE B25

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

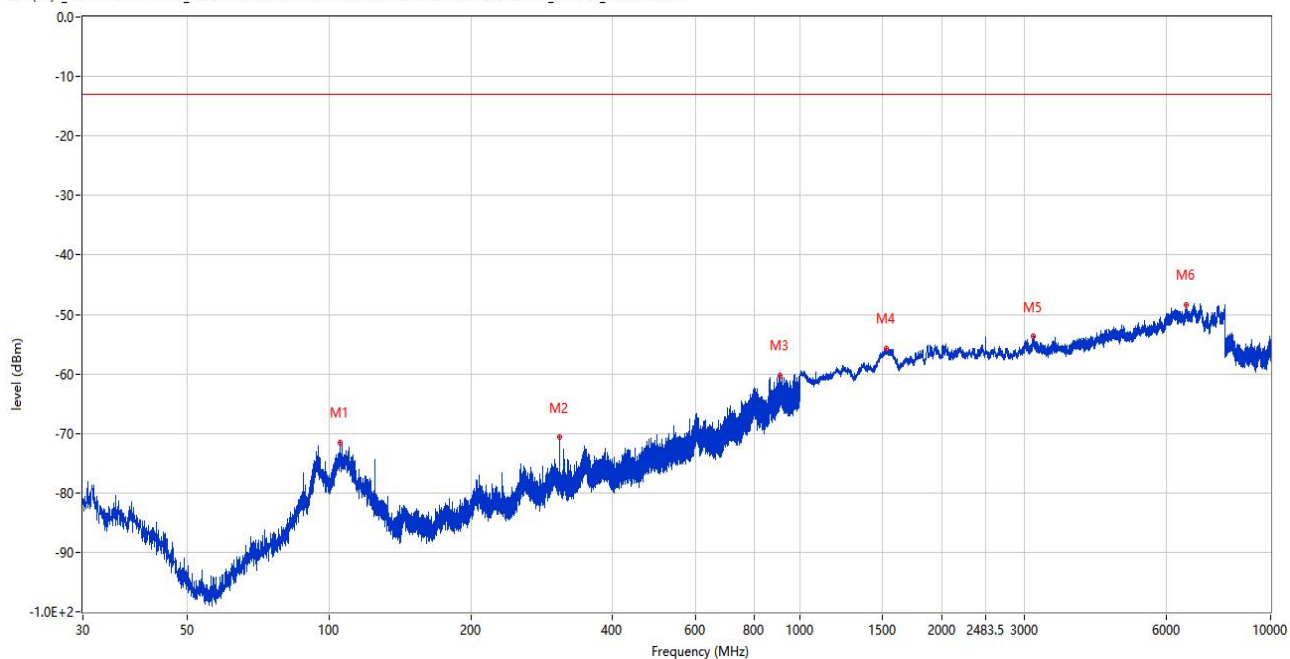


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.115	-72.92	-1.28	-13.0	59.92	252.00	Horizontal	Horizontal	Pass
925.019	-65.71	5.22	-13.0	52.71	324.00	Horizontal	Horizontal	Pass
1560.000	-54.88	7.21	-13.0	41.88	36.00	Horizontal	Horizontal	Pass
3755.000	-37.03	9.52	-13.0	24.03	216.00	Horizontal	Horizontal	Pass
5632.500	-45.49	12.16	-13.0	32.49	72.00	Horizontal	Horizontal	Pass
16343.000	-44.36	27.37	-13.0	31.36	72.00	Horizontal	Horizontal	Pass

2.8 LTE NB-IoT Band 26(part22)

Band:LTE Band 26(part22)

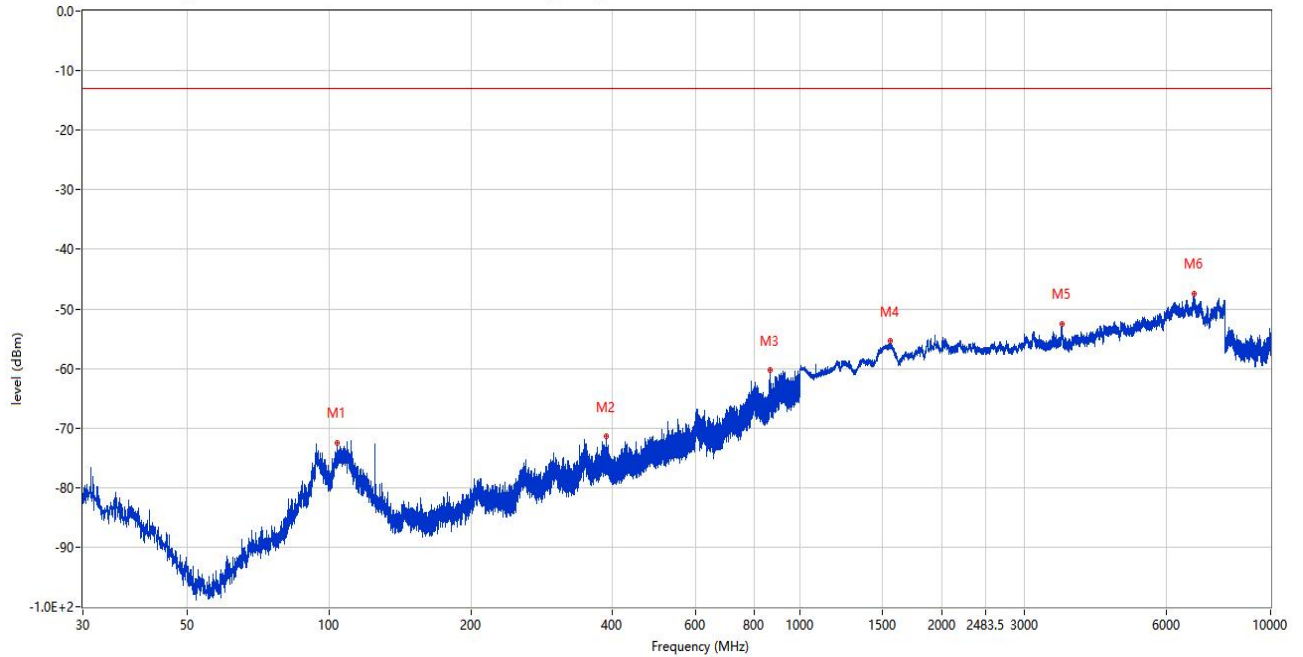
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.369	-71.52	-0.53	-13.0	58.52	72.00	Vertical	Horizontal	Pass
309.263	-70.70	-4.79	-13.0	57.70	180.00	Vertical	Horizontal	Pass
907.947	-60.17	10.86	-13.0	47.17	288.00	Vertical	Horizontal	Pass
1524.000	-55.73	6.07	-13.0	42.73	36.00	Vertical	Horizontal	Pass
3136.000	-53.73	9.64	-13.0	40.73	324.00	Vertical	Horizontal	Pass
6626.500	-48.34	15.04	-13.0	35.34	288.00	Vertical	Horizontal	Pass

Band:LTE Band 26(part22)

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

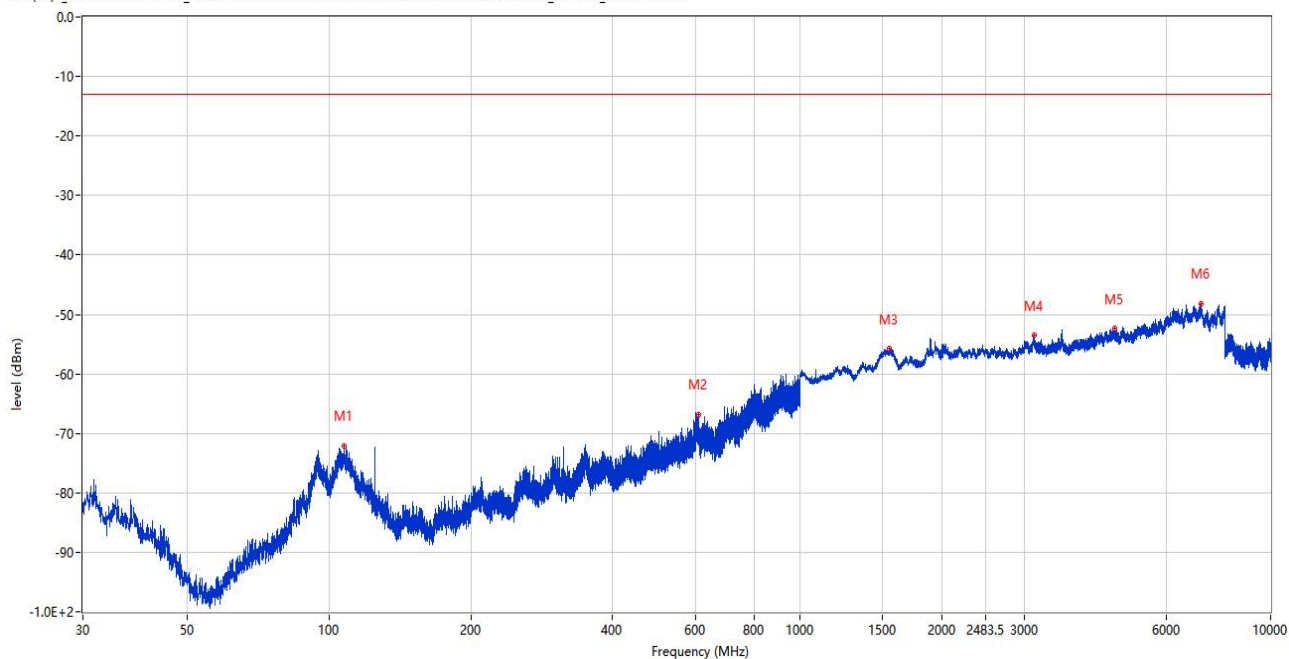


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
103.866	-72.41	-1.59	-13.0	59.41	36.00	Horizontal	Horizontal	Pass
388.027	-71.43	-2.16	-13.0	58.43	252.00	Horizontal	Horizontal	Pass
864.055	-60.28	8.64	-13.0	47.28	108.00	Horizontal	Horizontal	N/A
1560.000	-55.35	6.49	-13.0	42.35	72.00	Horizontal	Horizontal	Pass
3599.500	-52.46	11.89	-13.0	39.46	288.00	Horizontal	Horizontal	Pass
6866.500	-47.46	14.96	-13.0	34.46	252.00	Horizontal	Horizontal	Pass

2.9 LTE NB-IoT Band 26(part90)

Band:LTE Band 26(part90)

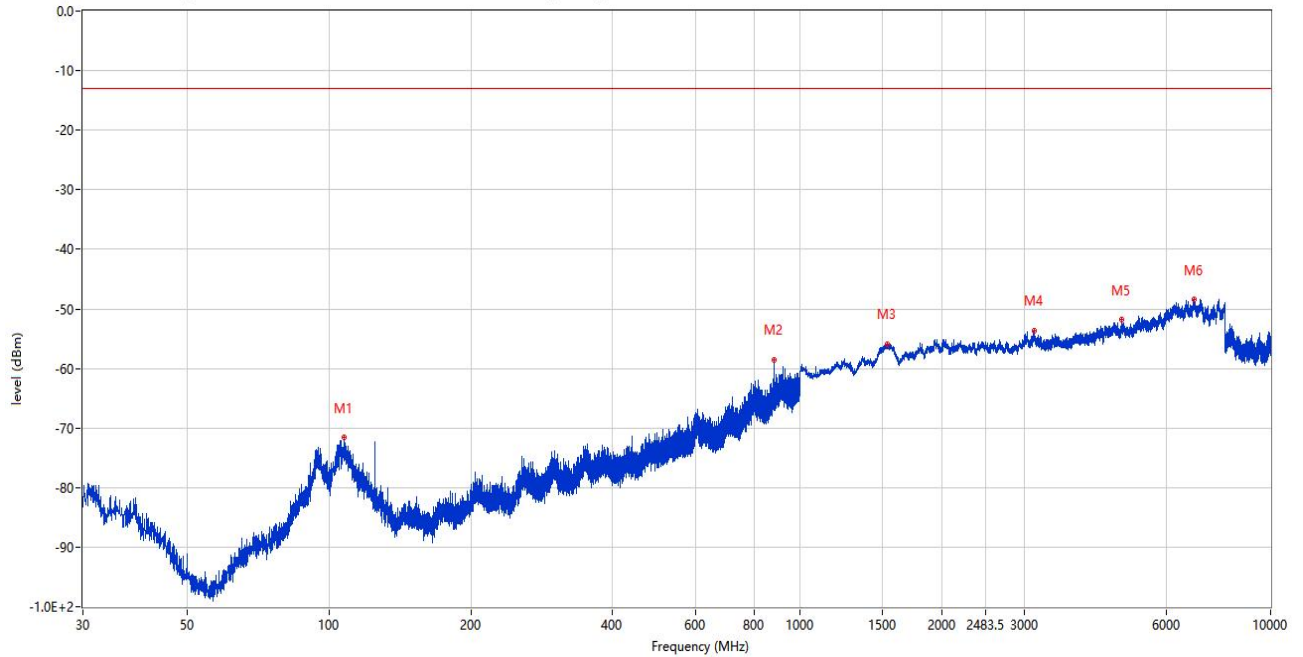
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.794	-72.14	-0.72	-13.0	59.14	36.00	Vertical	Horizontal	Pass
609.187	-66.78	4.24	-13.0	53.78	324.00	Vertical	Horizontal	Pass
1550.000	-55.76	6.24	-13.0	42.76	216.00	Vertical	Horizontal	Pass
3145.000	-53.51	9.68	-13.0	40.51	288.00	Vertical	Horizontal	Pass
4661.000	-52.38	11.19	-13.0	39.38	36.00	Vertical	Horizontal	Pass
7106.000	-48.20	15.63	-13.0	35.20	324.00	Vertical	Horizontal	Pass

Band:LTE Band 26(part90)

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

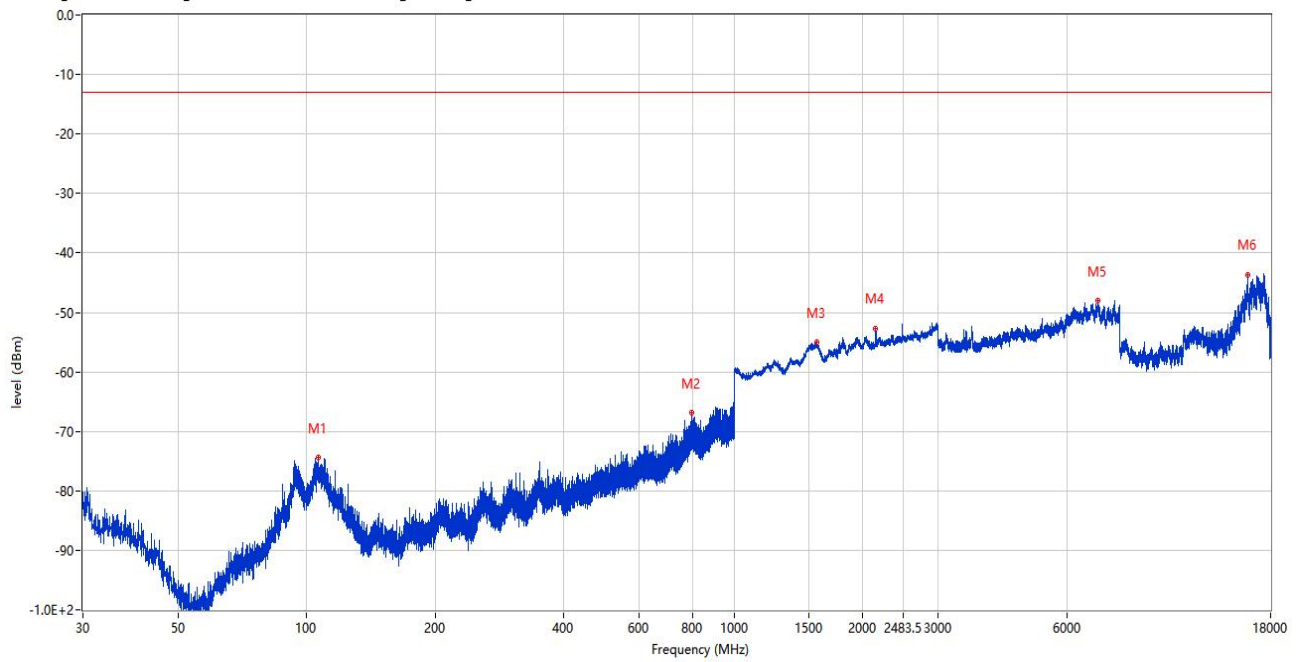


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.697	-71.63	-0.72	-13.0	58.63	360.00	Horizontal	Horizontal	Pass
882.290	-58.56	9.01	-13.0	45.56	324.00	Horizontal	Horizontal	N/A
1536.000	-55.84	5.98	-13.0	42.84	288.00	Horizontal	Horizontal	Pass
3141.000	-53.60	9.85	-13.0	40.60	180.00	Horizontal	Horizontal	Pass
4833.500	-51.86	11.78	-13.0	38.86	108.00	Horizontal	Horizontal	Pass
6866.000	-48.47	14.95	-13.0	35.47	288.00	Horizontal	Horizontal	Pass

2.10 LTE NB-IoT Band 66

Band:LTE B66

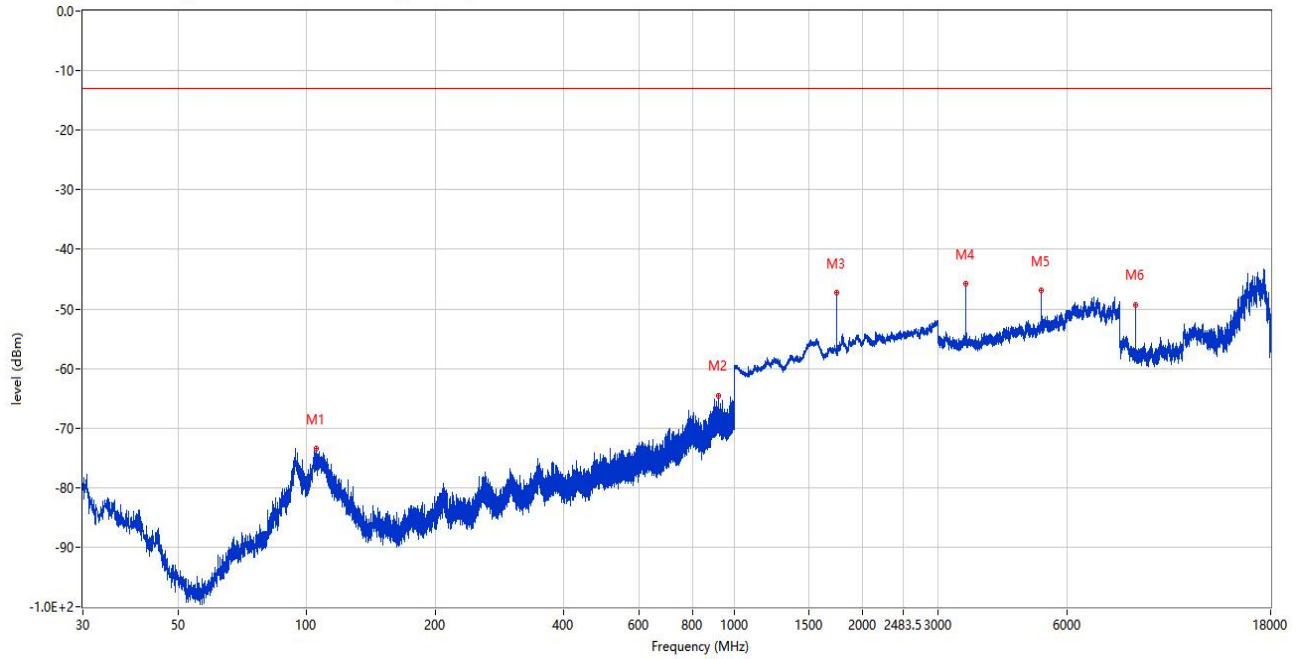
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.581	-74.41	-1.23	-13.0	61.41	324.00	Vertical	Horizontal	Pass
797.416	-66.93	3.37	-13.0	53.93	360.00	Vertical	Horizontal	Pass
1560.000	-55.01	7.19	-13.0	42.01	324.00	Vertical	Horizontal	Pass
2146.000	-52.76	7.35	-13.0	39.76	324.00	Vertical	Horizontal	Pass
7088.500	-48.08	15.09	-13.0	35.08	108.00	Vertical	Horizontal	Pass
15925.200	-43.64	29.05	-13.0	30.64	72.00	Vertical	Horizontal	Pass

Band:LTE B66

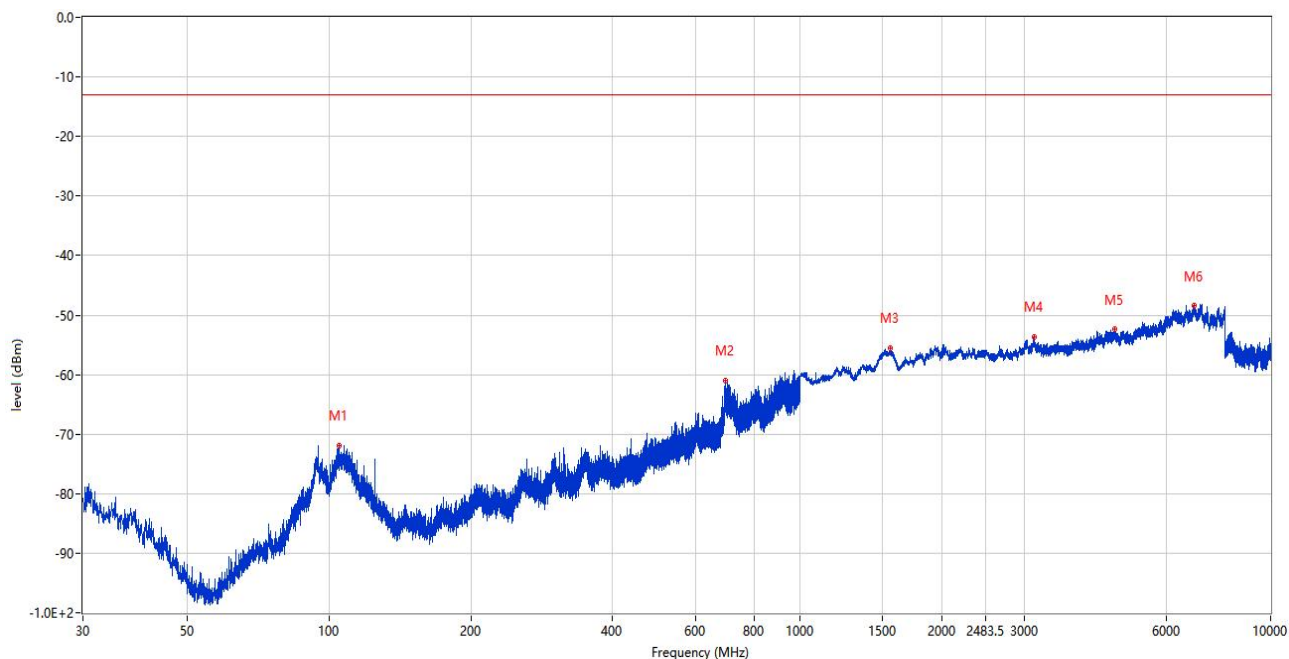
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.709	-73.46	-1.15	-13.0	60.46	288.00	Horizontal	Horizontal	Pass
920.508	-64.54	5.48	-13.0	51.54	252.00	Horizontal	Horizontal	Pass
1740.500	-47.29	6.00	-13.0	34.29	216.00	Horizontal	Horizontal	N/A
3481.000	-45.80	9.06	-13.0	32.80	144.00	Horizontal	Horizontal	Pass
5221.500	-46.98	11.97	-13.0	33.98	36.00	Horizontal	Horizontal	Pass
8703.000	-49.25	13.93	-13.0	36.25	216.00	Horizontal	Horizontal	Pass

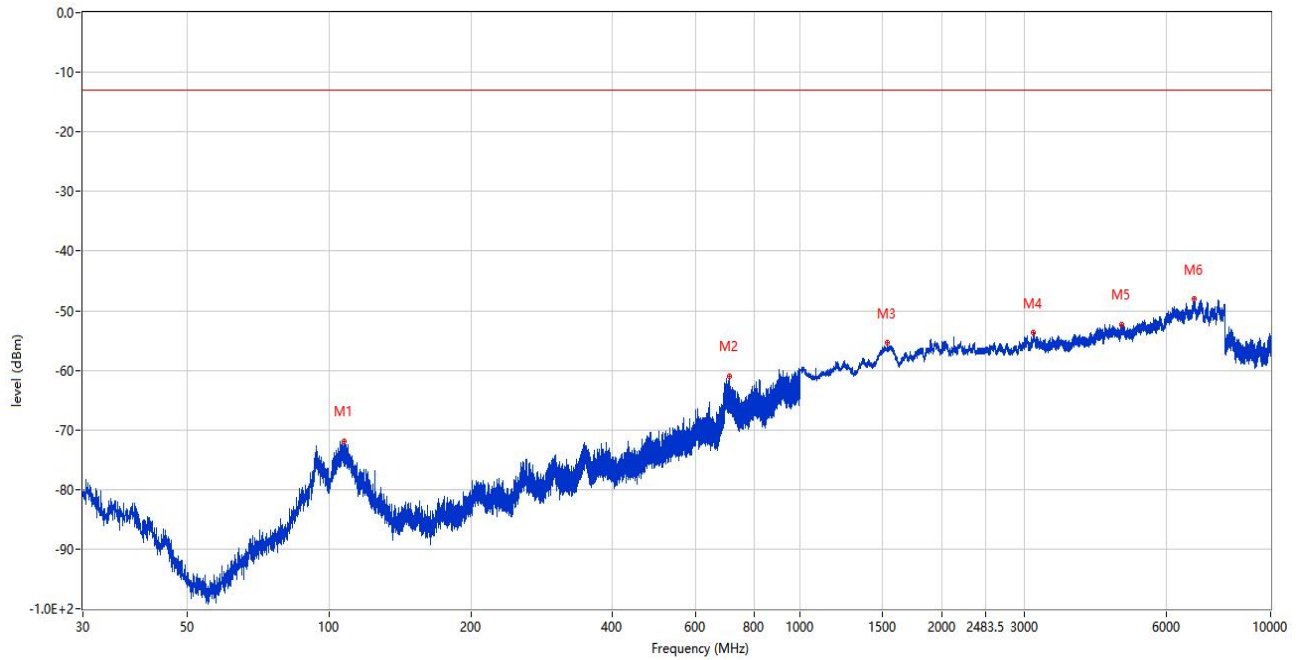
2.11 LTE NB-IoT Band 85

Band:LTE B85



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.030	-71.94	-0.42	-13.0	58.94	36.00	Vertical	Horizontal	Pass
694.790	-60.97	9.75	-13.0	47.97	108.00	Vertical	Horizontal	Pass
1556.500	-55.54	6.41	-13.0	42.54	252.00	Vertical	Horizontal	Pass
3151.500	-53.63	9.37	-13.0	40.63	36.00	Vertical	Horizontal	Pass
4668.500	-52.41	11.30	-13.0	39.41	108.00	Vertical	Horizontal	Pass
6871.000	-48.45	14.99	-13.0	35.45	144.00	Vertical	Horizontal	Pass

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Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.406	-71.91	-0.66	-13.0	58.91	288.00	Horizontal	Horizontal	Pass
709.291	-61.01	9.56	-13.0	48.01	252.00	Horizontal	Horizontal	Pass
1536.000	-55.44	5.98	-13.0	42.44	36.00	Horizontal	Horizontal	Pass
3126.500	-53.76	9.13	-13.0	40.76	288.00	Horizontal	Horizontal	Pass
4826.500	-52.28	12.17	-13.0	39.28	144.00	Horizontal	Horizontal	Pass
6873.000	-48.09	14.98	-13.0	35.09	324.00	Horizontal	Horizontal	Pass