

Field Strength of Spurious Radiation

GSM and WCDMA Mode Test Verdict

Test Band	Test Channel	Verdict
GSM 850	LCH	Pass
	MCH	Pass
	HCH	Pass
WCDMA Band 5	LCH	Pass
	MCH	Pass
	HCH	Pass

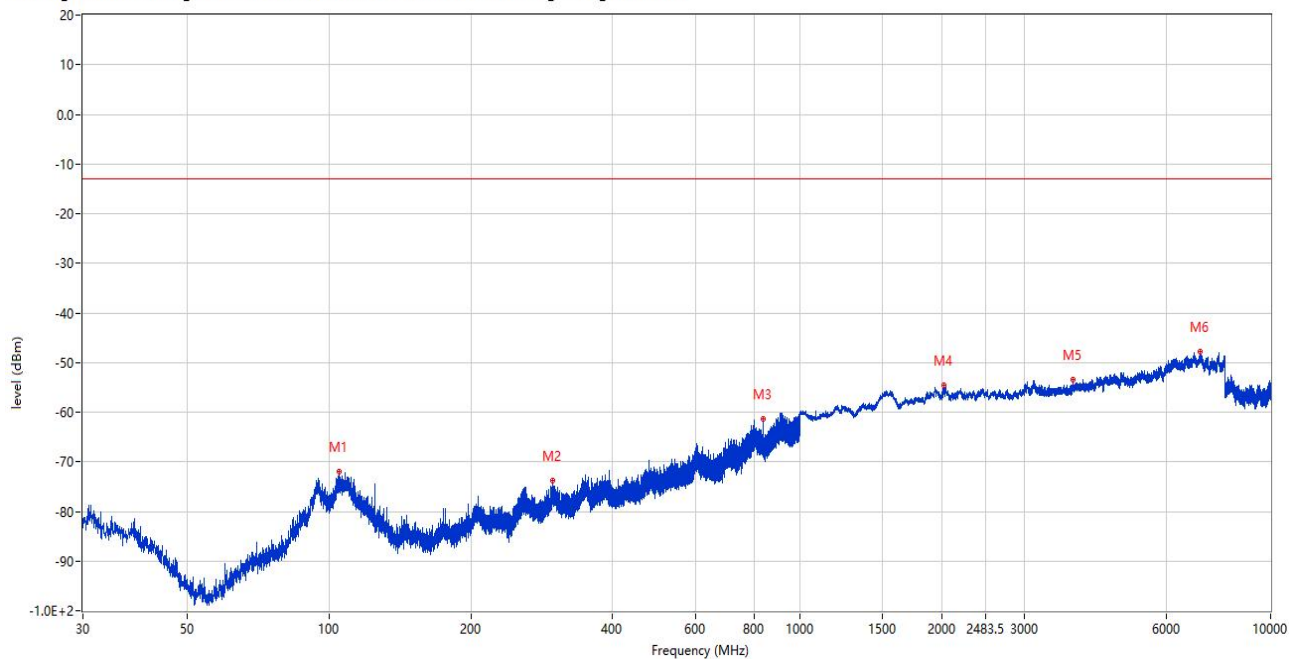
LTE Mode Test Verdict

Test Band	Test Bandwidth	UL Channel	UL RB Number	UL RB Position	UL Modulation	Verdict
Band 2	3 MHz	18615	1	7	QPSK	Pass
Band 4	1.4 MHz	19957	1	0	QPSK	Pass
Band 5	5 MHz	20425	1	12	QPSK	Pass
Band 12	5 MHz	23035	1	0	QPSK	Pass
Band 13	5 MHz	23205	1	12	QPSK	Pass
Band 41	5 MHz	41565	1	12	QPSK	Pass
Band 66	5 MHz	131997	1	12	QPSK	Pass
Band 71	5 MHz	133147	1	12	QPSK	Pass

1.GSM

1.1 GSM850

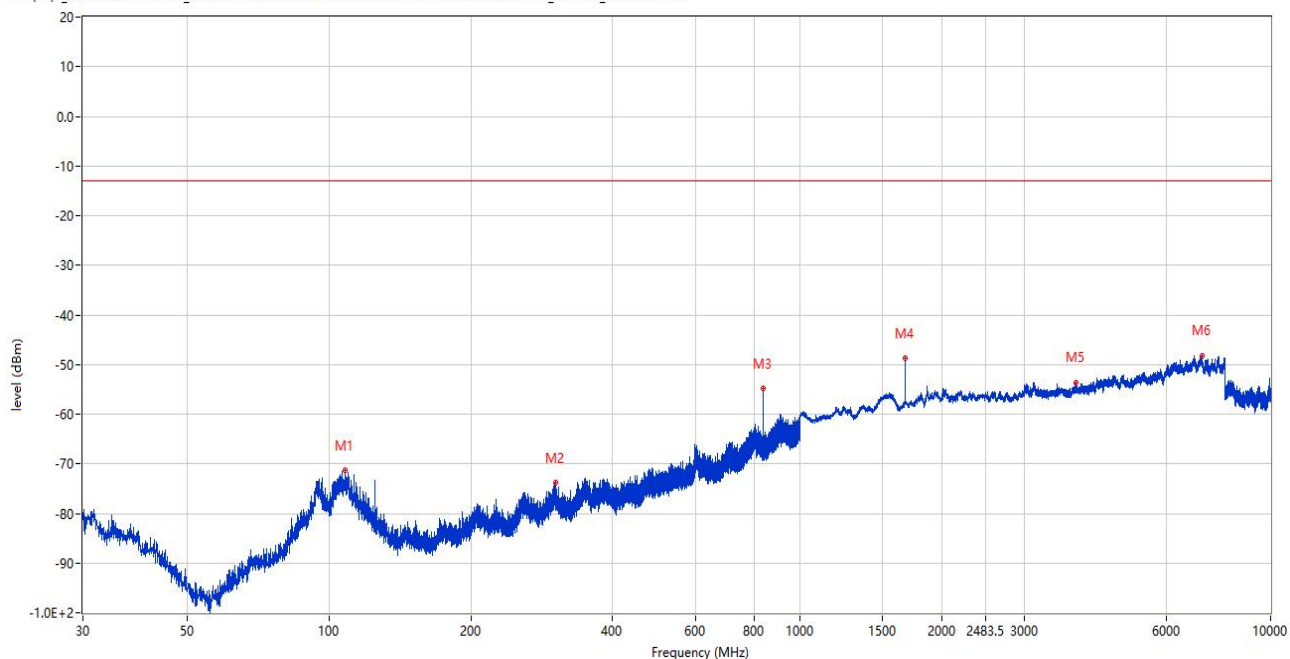
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.078	-72.01	-0.50	-13.0	59.01	252.00	Vertical	Horizontal	Pass
298.399	-73.72	-3.28	-13.0	60.72	360.00	Vertical	Horizontal	Pass
836.604	-61.34	7.42	-13.0	48.34	72.00	Vertical	Horizontal	N/A
2018.500	-54.64	6.83	-13.0	41.64	324.00	Vertical	Horizontal	Pass
3799.500	-53.48	9.84	-13.0	40.48	144.00	Vertical	Horizontal	Pass
7078.000	-47.89	14.93	-13.0	34.89	216.00	Vertical	Horizontal	Pass

Band:GSM850

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

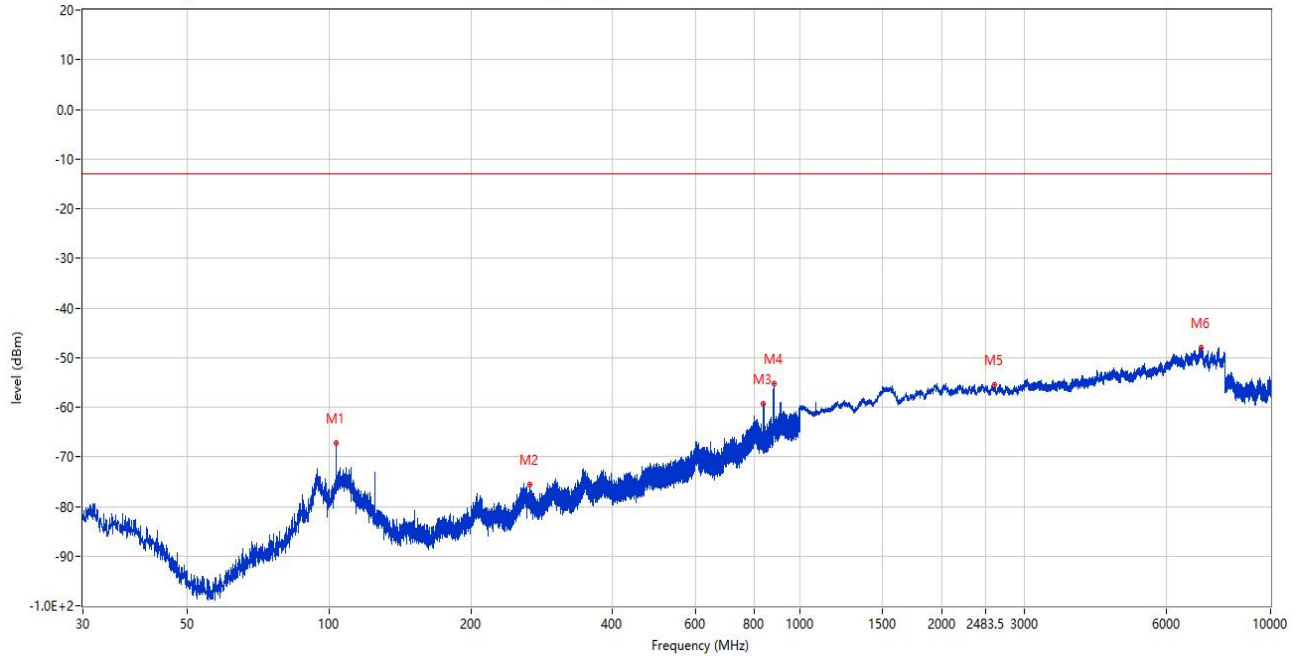


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
108.230	-71.24	-0.76	-13.0	58.24	36.00	Horizontal	Horizontal	Pass
302.958	-73.69	-3.39	-13.0	60.69	36.00	Horizontal	Horizontal	Pass
836.652	-54.85	7.42	-13.0	41.85	252.00	Horizontal	Horizontal	N/A
1673.000	-48.79	4.80	-13.0	35.79	144.00	Horizontal	Horizontal	Pass
3855.500	-53.63	10.00	-13.0	40.63	36.00	Horizontal	Horizontal	Pass
7135.500	-48.15	15.41	-13.0	35.15	216.00	Horizontal	Horizontal	Pass

2.WCDMA

2.1 WCDMA B5

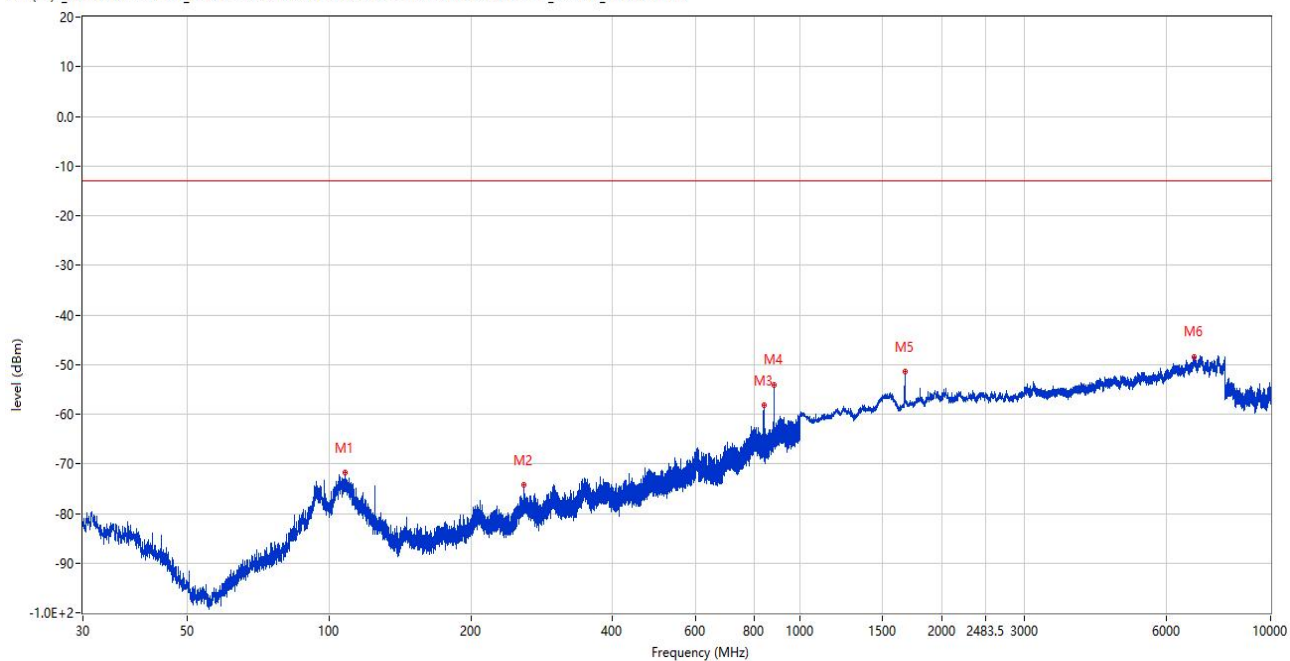
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
103.672	-67.33	-1.78	-13.0	54.33	180.00	Vertical	Horizontal	Pass
266.874	-75.68	-5.35	-13.0	62.68	108.00	Vertical	Horizontal	Pass
836.991	-59.30	7.41	-13.0	46.30	108.00	Vertical	Horizontal	N/A
879.623	-55.17	8.96	-13.0	42.17	72.00	Vertical	Horizontal	N/A
2591.500	-55.41	6.84	-13.0	42.41	144.00	Vertical	Horizontal	Pass
7109.500	-48.10	15.67	-13.0	35.10	252.00	Vertical	Horizontal	Pass

Band:WCDMA B5

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



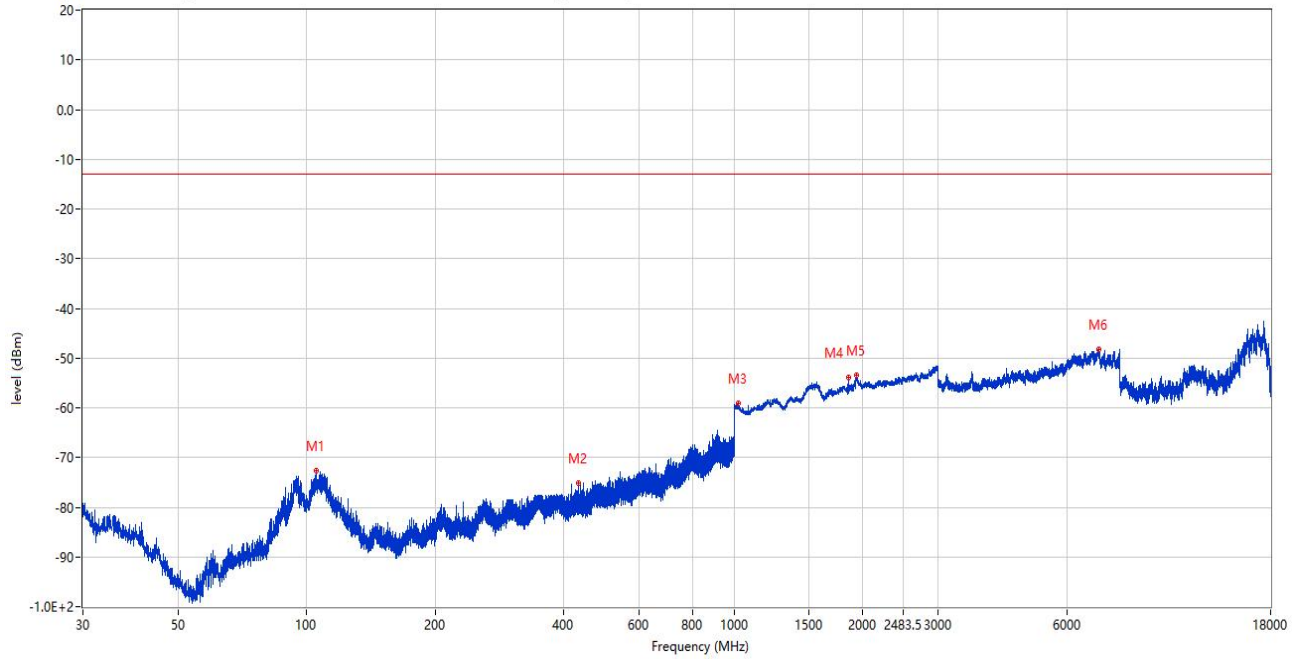
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
108.085	-71.75	-0.75	-13.0	58.75	36.00	Horizontal	Horizontal	Pass
259.841	-74.16	-4.17	-13.0	61.16	360.00	Horizontal	Horizontal	Pass
837.865	-58.28	7.38	-13.0	45.28	288.00	Horizontal	Horizontal	N/A
881.175	-54.01	8.98	-13.0	41.01	180.00	Horizontal	Horizontal	N/A
1671.000	-51.46	4.74	-13.0	38.46	180.00	Horizontal	Horizontal	Pass
6868.500	-48.46	14.99	-13.0	35.46	36.00	Horizontal	Horizontal	Pass

3.LTE

3.1 LTE Band 2

Band:LTE B2

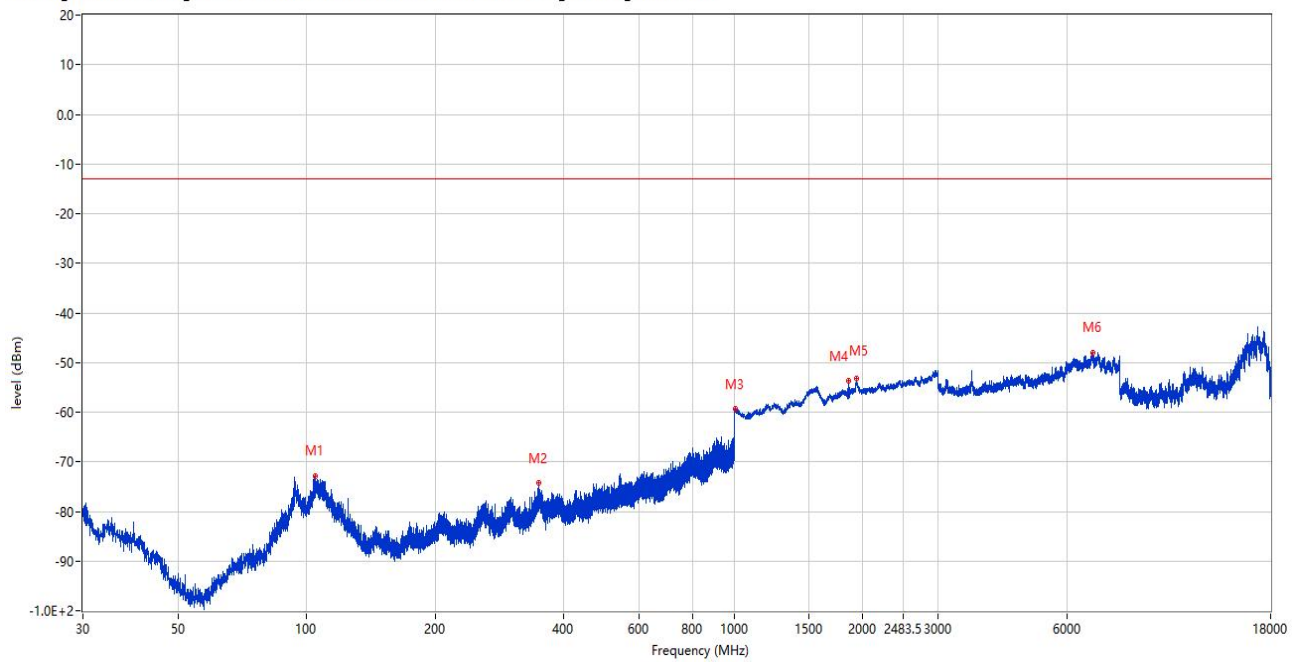
RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.321	-72.73	-1.11	-13.0	59.73	144.00	Vertical	Horizontal	Pass
432.453	-75.11	-5.11	-13.0	62.11	108.00	Vertical	Horizontal	Pass
1024.500	-59.16	3.89	-13.0	46.16	144.00	Vertical	Horizontal	Pass
1850.500	-53.91	6.42	-13.0	40.91	108.00	Vertical	Horizontal	N/A
1931.500	-53.38	8.26	-13.0	40.38	180.00	Vertical	Horizontal	Pass
7130.000	-48.20	15.32	-13.0	35.20	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

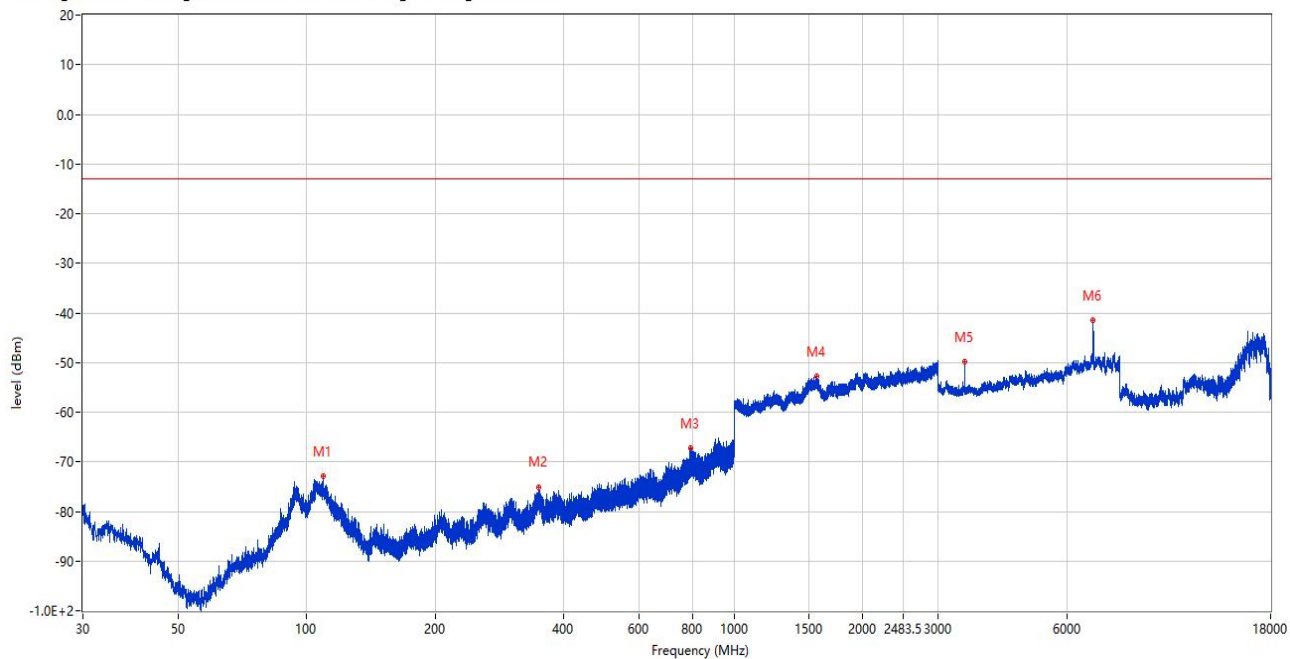


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
104.690	-72.79	-1.37	-13.0	59.79	360.00	Horizontal	Horizontal	Pass
349.130	-74.17	-3.76	-13.0	61.17	252.00	Horizontal	Horizontal	Pass
1008.000	-59.40	3.72	-13.0	46.40	360.00	Horizontal	Horizontal	Pass
1850.500	-53.71	6.42	-13.0	40.71	288.00	Horizontal	Horizontal	N/A
1931.000	-53.25	8.23	-13.0	40.25	360.00	Horizontal	Horizontal	N/A
6916.500	-48.11	14.68	-13.0	35.11	36.00	Horizontal	Horizontal	Pass

3.2 LTE Band 4

Band:LTE B4

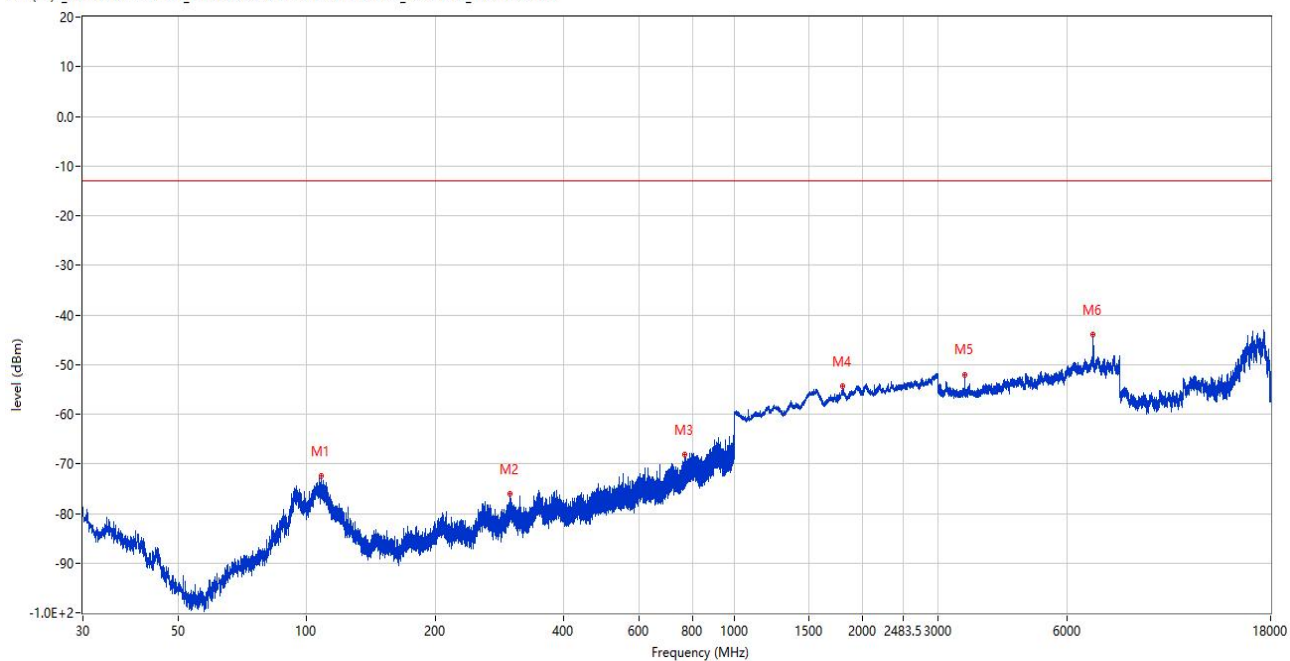
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
109.346	-72.97	-1.50	-13.0	59.97	108.00	Vertical	Horizontal	Pass
349.615	-75.24	-3.64	-13.0	62.24	252.00	Vertical	Horizontal	Pass
792.711	-67.19	3.19	-13.0	54.19	36.00	Vertical	Horizontal	Pass
1559.700	-52.66	7.18	-13.0	39.66	324.00	Vertical	Horizontal	Pass
3464.500	-49.74	9.08	-13.0	36.74	0.00	Vertical	Horizontal	Pass
6928.000	-41.56	14.47	-13.0	28.56	180.00	Vertical	Horizontal	Pass

Band:LTE B4

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

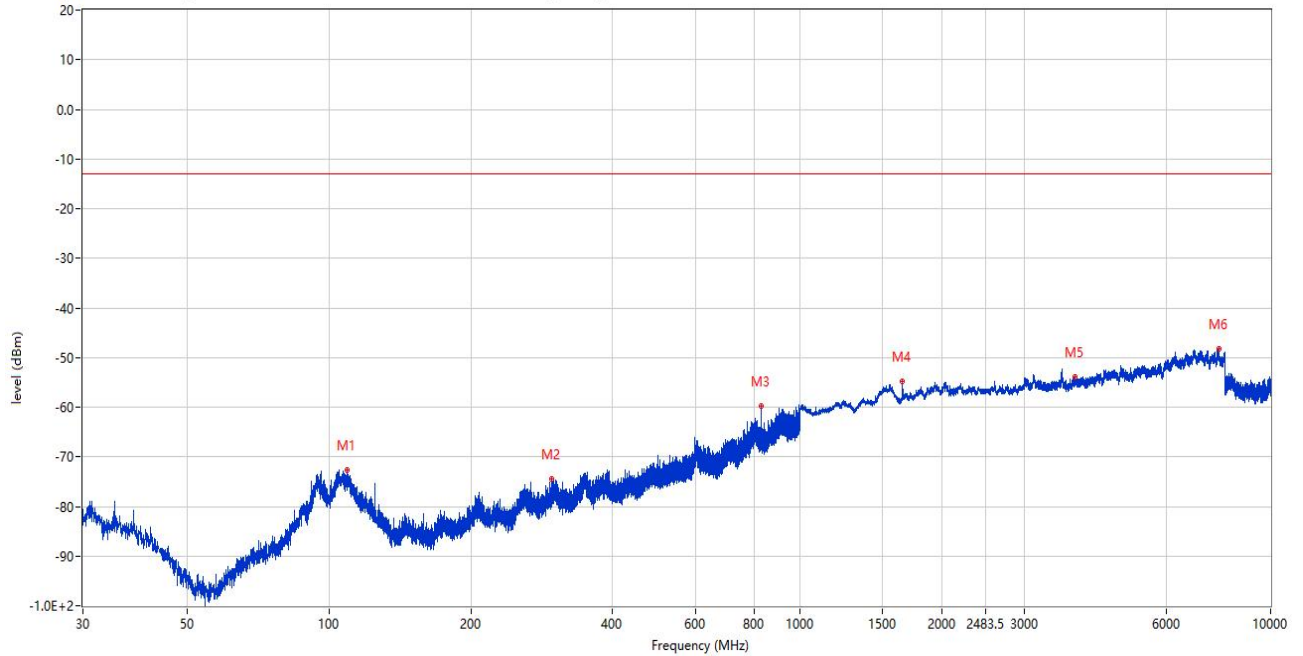


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
108.182	-72.52	-1.39	-13.0	59.52	216.00	Horizontal	Horizontal	Pass
298.981	-76.15	-5.60	-13.0	63.15	72.00	Horizontal	Horizontal	Pass
767.540	-68.21	1.64	-13.0	55.21	144.00	Horizontal	Horizontal	Pass
1793.000	-54.27	7.04	-13.0	41.27	72.00	Horizontal	Horizontal	Pass
3464.000	-51.99	9.09	-13.0	38.99	324.00	Horizontal	Horizontal	Pass
6928.000	-44.00	14.47	-13.0	31.00	288.00	Horizontal	Horizontal	Pass

3.3 LTE Band 5

Band:LTE B5

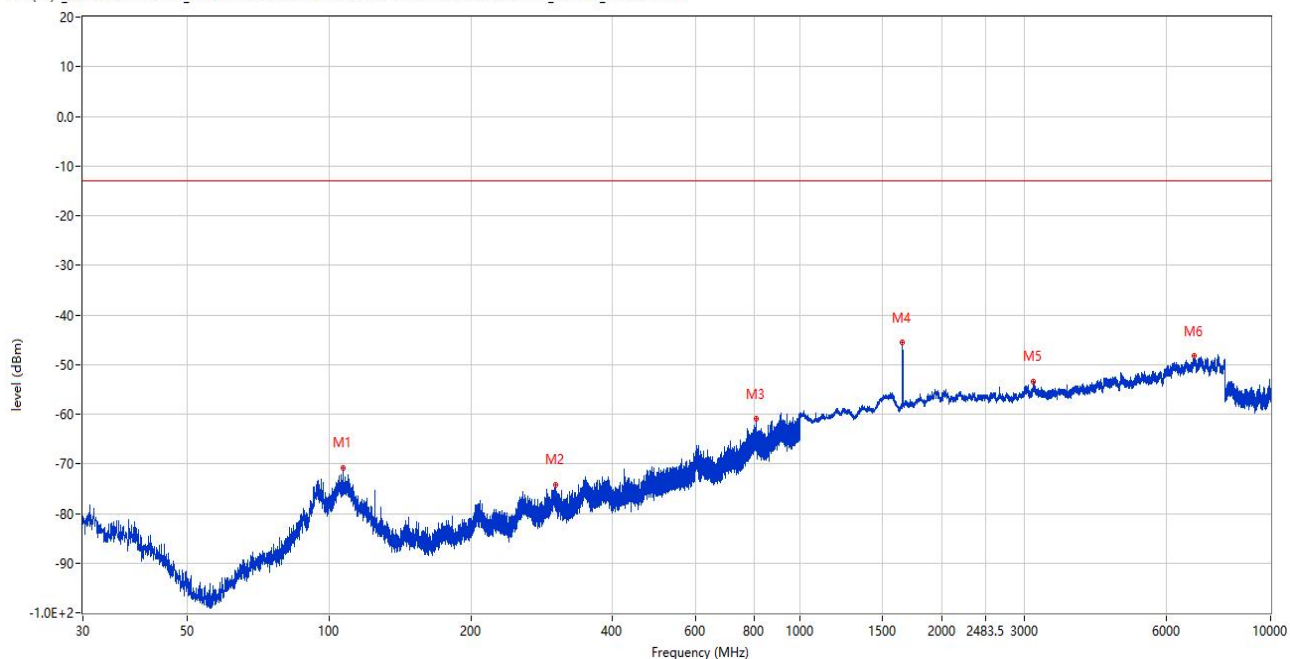
RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
109.443	-72.59	-0.88	-13.0	59.59	360.00	Vertical	Horizontal	Pass
297.090	-74.38	-3.70	-13.0	61.38	288.00	Vertical	Horizontal	Pass
826.710	-59.84	7.81	-13.0	46.84	324.00	Vertical	Horizontal	N/A
1653.000	-54.85	4.20	-13.0	41.85	324.00	Vertical	Horizontal	Pass
3848.500	-53.97	10.10	-13.0	40.97	108.00	Vertical	Horizontal	Pass
7759.000	-48.25	15.67	-13.0	35.25	144.00	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

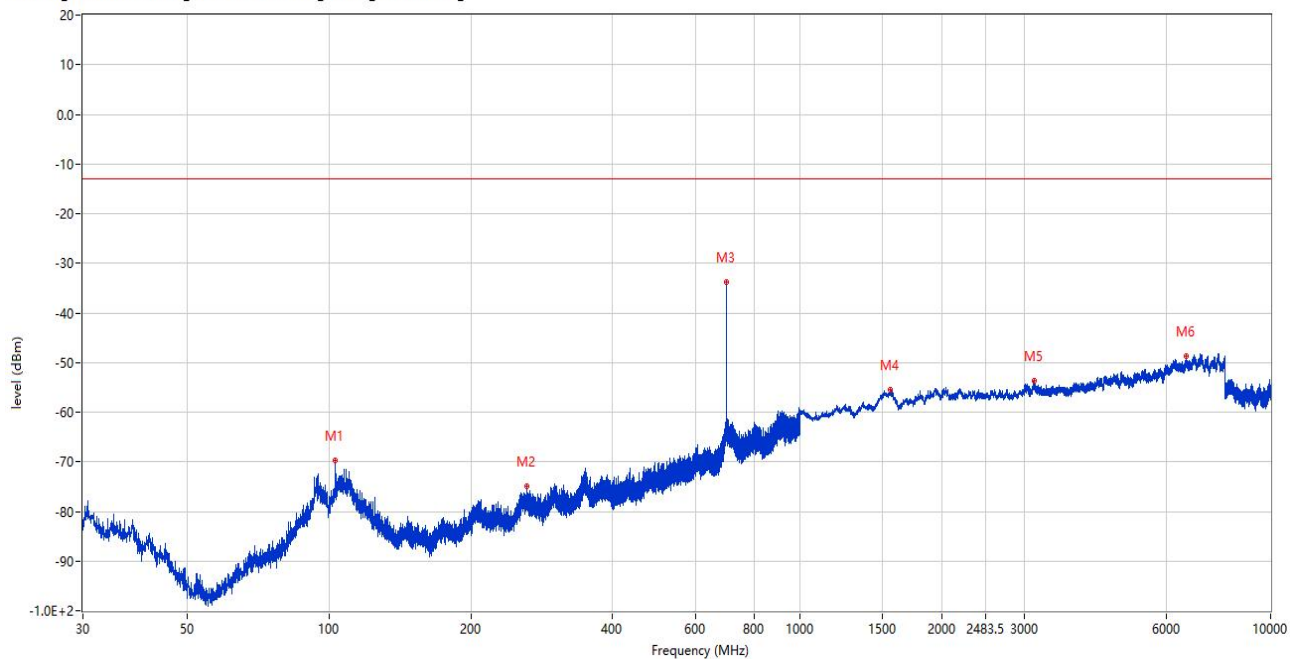


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.212	-70.74	-0.67	-13.0	57.74	36.00	Horizontal	Horizontal	Pass
302.861	-74.15	-3.37	-13.0	61.15	216.00	Horizontal	Horizontal	Pass
806.534	-60.96	8.49	-13.0	47.96	360.00	Horizontal	Horizontal	Pass
1653.500	-45.55	4.21	-13.0	32.55	216.00	Horizontal	Horizontal	Pass
3138.500	-53.50	9.80	-13.0	40.50	36.00	Horizontal	Horizontal	Pass
6874.000	-48.22	14.96	-13.0	35.22	216.00	Horizontal	Horizontal	Pass

3.4 LTE Band 12

Band:LTE B12

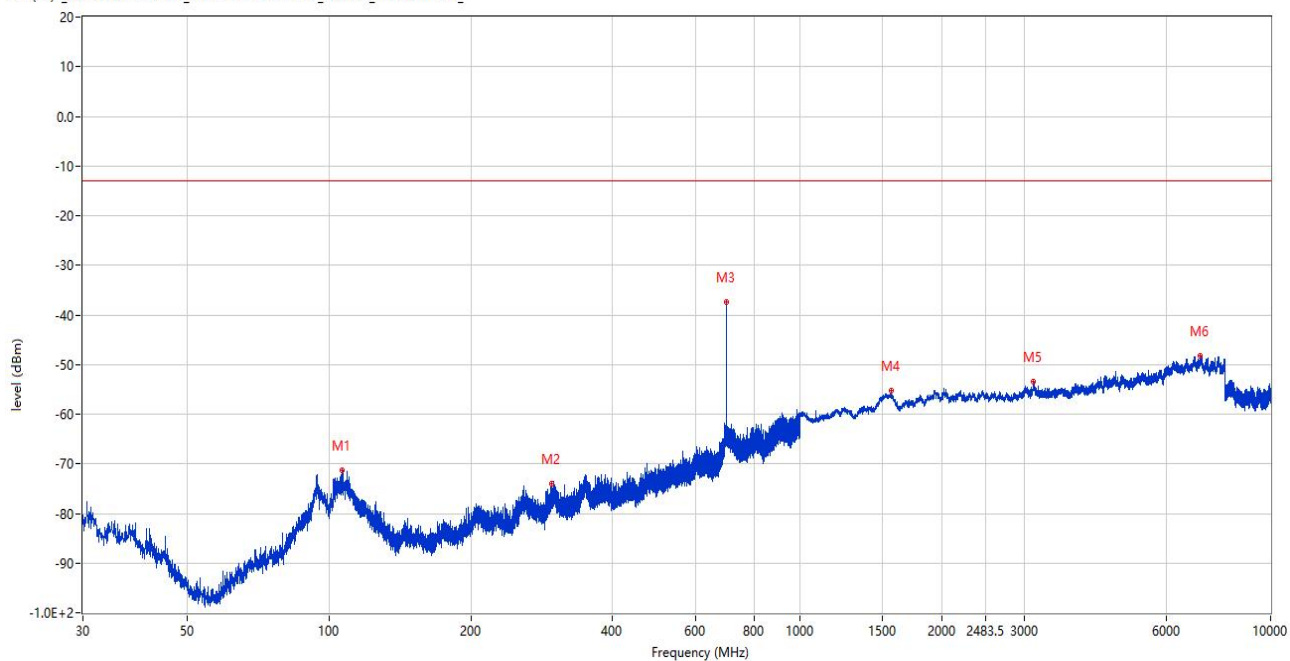
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
103.235	-69.82	-2.10	-13.0	56.82	180.00	Vertical	Horizontal	Pass
263.334	-74.86	-4.43	-13.0	61.86	108.00	Vertical	Horizontal	Pass
699.300	-33.72	9.95	-13.0	20.72	288.00	Vertical	Horizontal	N/A
1560.000	-55.51	6.49	-13.0	42.51	108.00	Vertical	Horizontal	Pass
3141.500	-53.66	9.83	-13.0	40.66	288.00	Vertical	Horizontal	Pass
6620.500	-48.65	15.28	-13.0	35.65	252.00	Vertical	Horizontal	Pass

Band:LTE B12

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

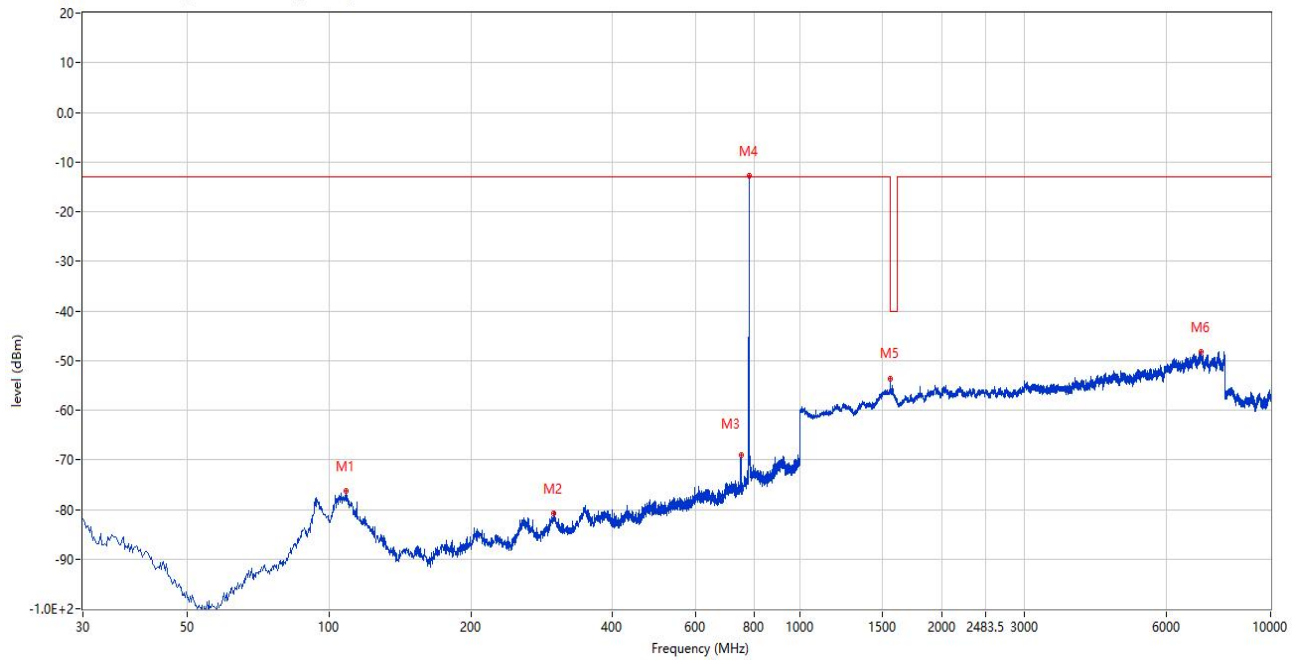


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.581	-71.23	-0.56	-13.0	58.23	108.00	Horizontal	Horizontal	Pass
297.672	-73.97	-3.34	-13.0	60.97	72.00	Horizontal	Horizontal	Pass
699.300	-37.33	9.95	-13.0	24.33	288.00	Horizontal	Horizontal	N/A
1561.500	-55.22	6.45	-13.0	42.22	252.00	Horizontal	Horizontal	Pass
3135.000	-53.43	9.58	-13.0	40.43	180.00	Horizontal	Horizontal	Pass
7083.000	-48.22	15.08	-13.0	35.22	144.00	Horizontal	Horizontal	Pass

3.5 LTE Band 13

Band:LTE B13

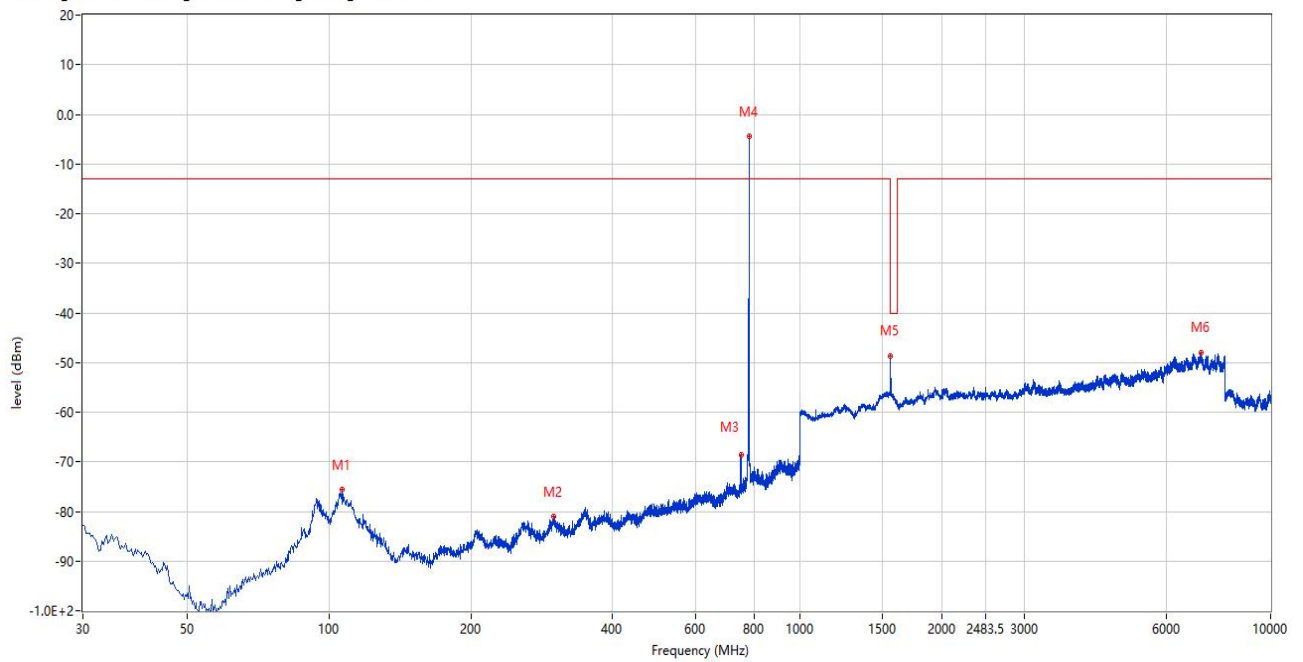
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
108.812	-76.32	-1.45	-13.0	63.32	288.00	Vertical	Horizontal	Pass
300.630	-80.83	-5.44	-13.0	67.83	36.00	Vertical	Horizontal	Pass
749.982	-69.08	0.62	-13.0	56.08	324.00	Vertical	Horizontal	N/A
779.567	-12.76	2.13	-13.0	-0.24	360.00	Vertical	Horizontal	N/A
1559.500	-53.57	6.48	-40.0	13.57	180.00	Vertical	Horizontal	Pass
7105.000	-48.22	15.56	-13.0	35.22	144.00	Vertical	Horizontal	Pass

Band:LTE B13

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

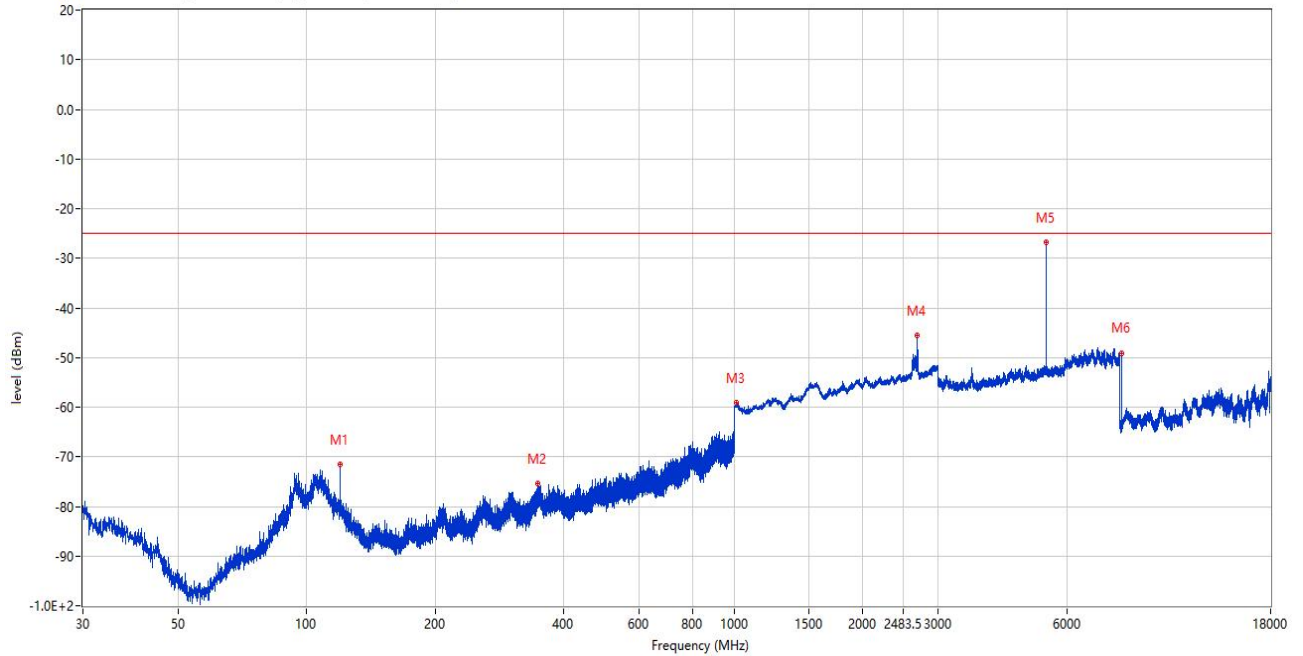


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.630	-75.69	-1.23	-13.0	62.69	360.00	Horizontal	Horizontal	Pass
300.145	-80.94	-5.34	-13.0	67.94	72.00	Horizontal	Horizontal	Pass
749.740	-68.55	0.60	-13.0	55.55	252.00	Horizontal	Horizontal	N/A
779.567	-4.36	2.13	-13.0	-8.64	324.00	Horizontal	Horizontal	N/A
1559.000	-48.60	6.47	-40.0	8.60	144.00	Horizontal	Horizontal	Pass
7108.000	-48.11	15.69	-13.0	35.11	288.00	Horizontal	Horizontal	Pass

3.6 LTE Band 41

Band:LTE B41

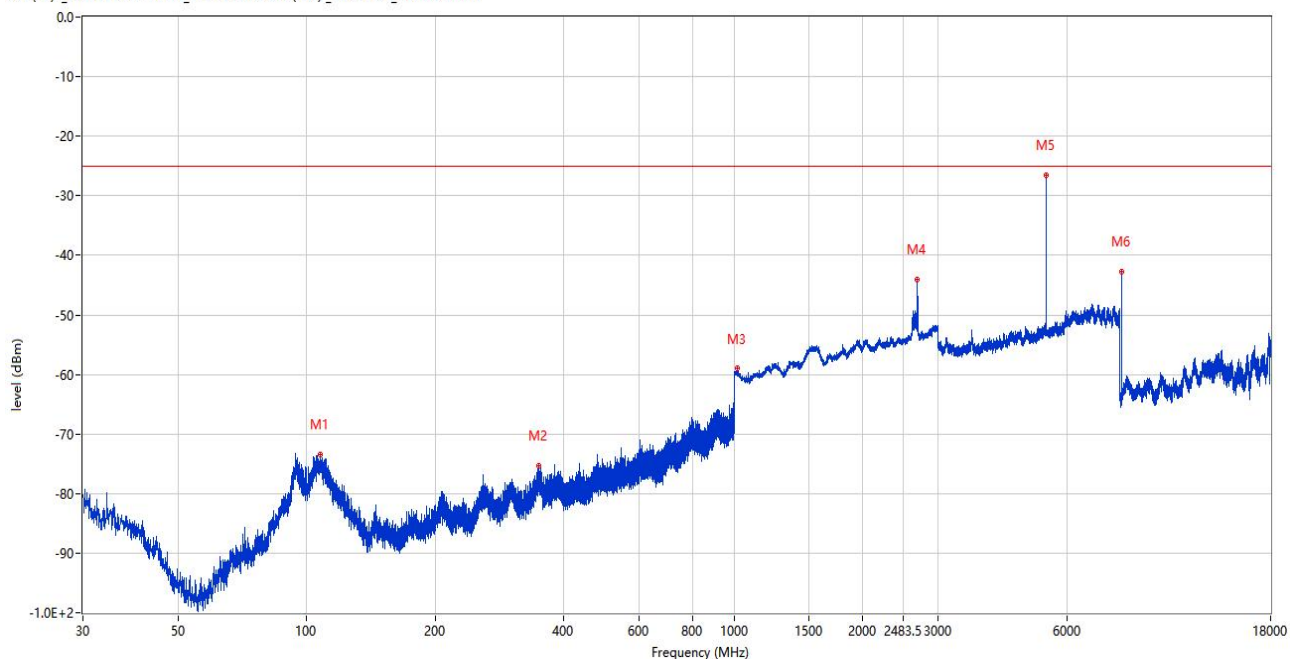
RSE (RF) _FCC PART22&24&27_LTE Band 41(high) _2620-2690_30MHz-27GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
119.919	-71.59	-6.22	-25.0	46.59	144.00	Vertical	Horizontal	Pass
347.869	-75.33	-4.08	-25.0	50.33	216.00	Vertical	Horizontal	Pass
1013.000	-59.20	3.88	-25.0	34.20	144.00	Vertical	Horizontal	Pass
2687.500	-45.54	12.07	-25.0	20.54	324.00	Vertical	Horizontal	N/A
5375.500	-26.85	12.17	-25.0	1.85	216.00	Vertical	Horizontal	Pass
8063.175	-49.04	7.30	-25.0	24.04	36.00	Vertical	Horizontal	Pass

Band:LTE B41

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

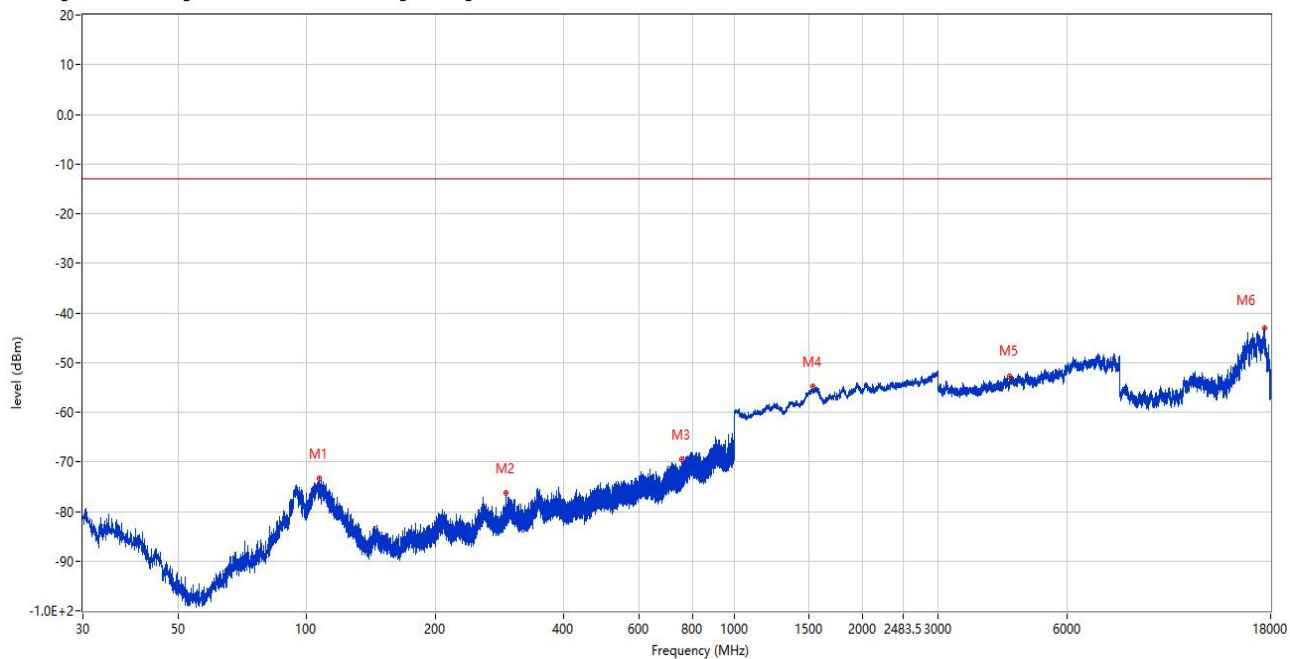


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.648	-73.42	-1.33	-25.0	48.42	72.00	Horizontal	Horizontal	Pass
349.761	-75.29	-3.60	-25.0	50.29	180.00	Horizontal	Horizontal	Pass
1019.000	-59.03	4.17	-25.0	34.03	180.00	Horizontal	Horizontal	Pass
2687.500	-44.01	12.07	-25.0	19.01	216.00	Horizontal	Horizontal	N/A
5375.500	-26.64	12.17	-25.0	1.64	72.00	Horizontal	Horizontal	Pass
8063.175	-42.73	7.30	-25.0	17.73	144.00	Horizontal	Horizontal	Pass

3.7 LTE Band 66

Band:LTE B66

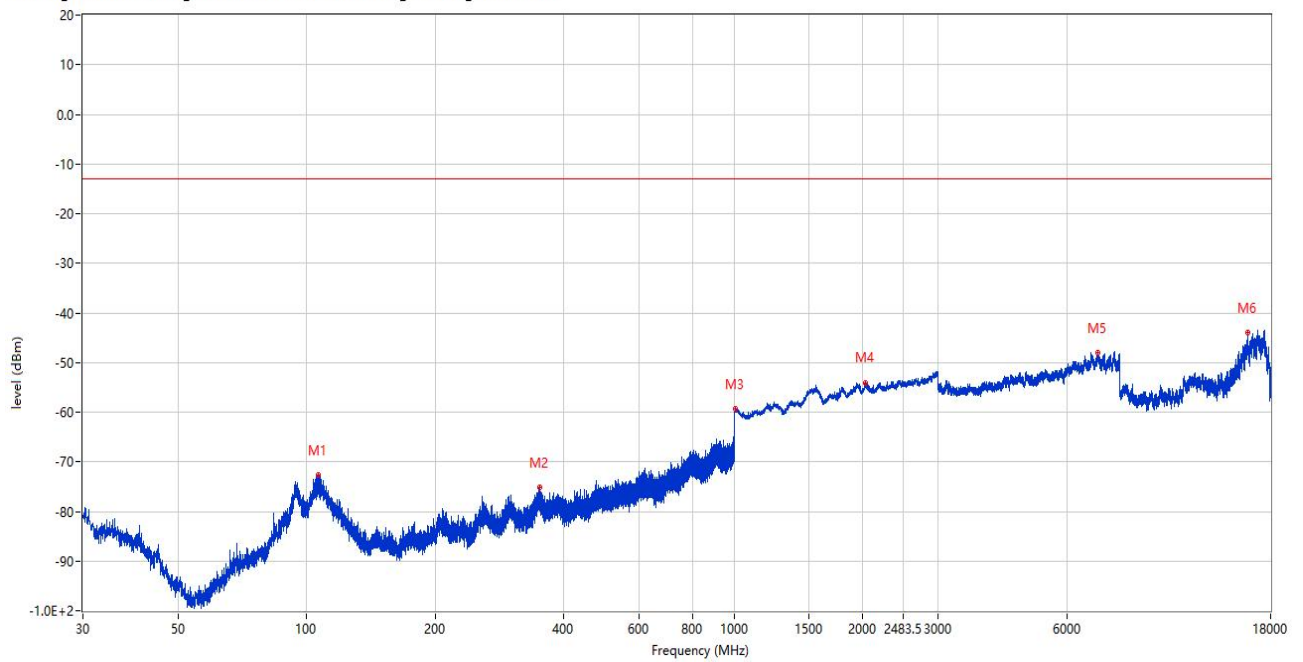
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
107.163	-73.38	-1.29	-13.0	60.38	252.00	Vertical	Horizontal	Pass
293.452	-76.32	-7.03	-13.0	63.32	108.00	Vertical	Horizontal	Pass
753.232	-69.45	0.84	-13.0	56.45	288.00	Vertical	Horizontal	Pass
1526.000	-54.87	6.68	-13.0	41.87	36.00	Vertical	Horizontal	Pass
4420.000	-52.68	11.58	-13.0	39.68	252.00	Vertical	Horizontal	Pass
17414.625	-43.02	27.53	-13.0	30.02	180.00	Vertical	Horizontal	Pass

Band:LTE B66

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

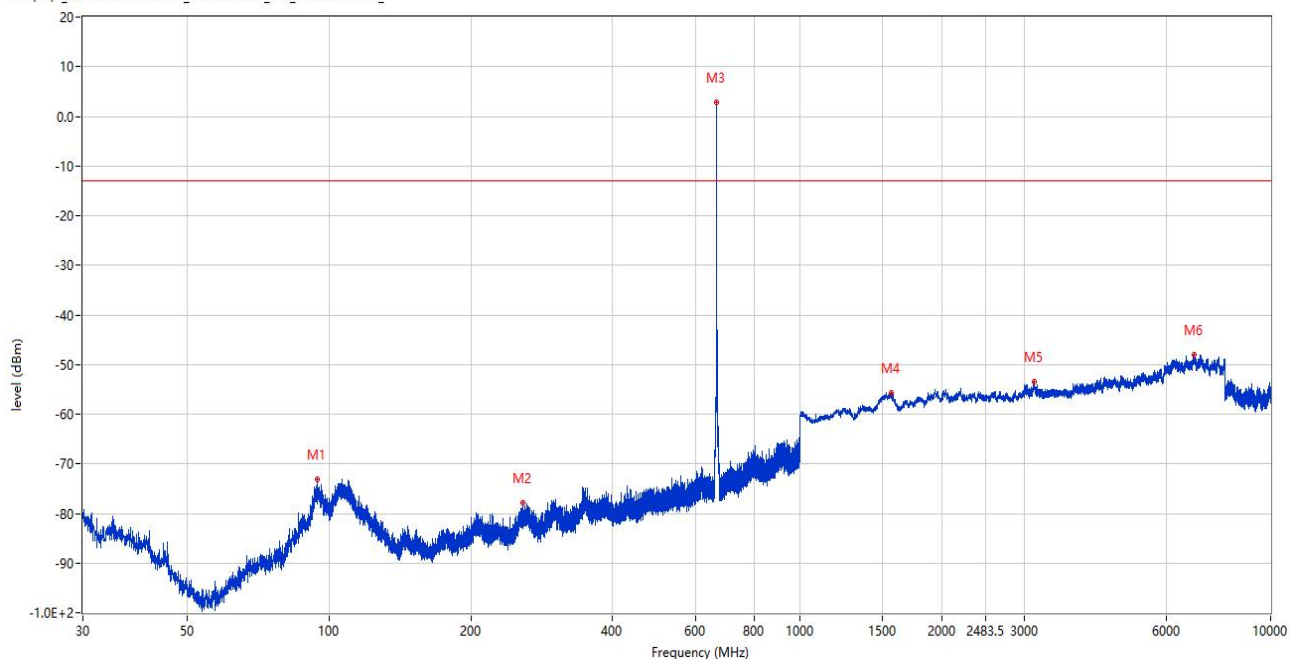


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
106.436	-72.67	-1.22	-13.0	59.67	144.00	Horizontal	Horizontal	Pass
351.118	-75.22	-3.89	-13.0	62.22	36.00	Horizontal	Horizontal	Pass
1010.000	-59.37	3.76	-13.0	46.37	360.00	Horizontal	Horizontal	Pass
2030.500	-54.20	8.21	-13.0	41.20	36.00	Horizontal	Horizontal	Pass
7083.500	-48.07	15.10	-13.0	35.07	216.00	Horizontal	Horizontal	Pass
15933.338	-43.95	29.10	-13.0	30.95	216.00	Horizontal	Horizontal	Pass

3.8 LTE Band 71

Band:LTE B71

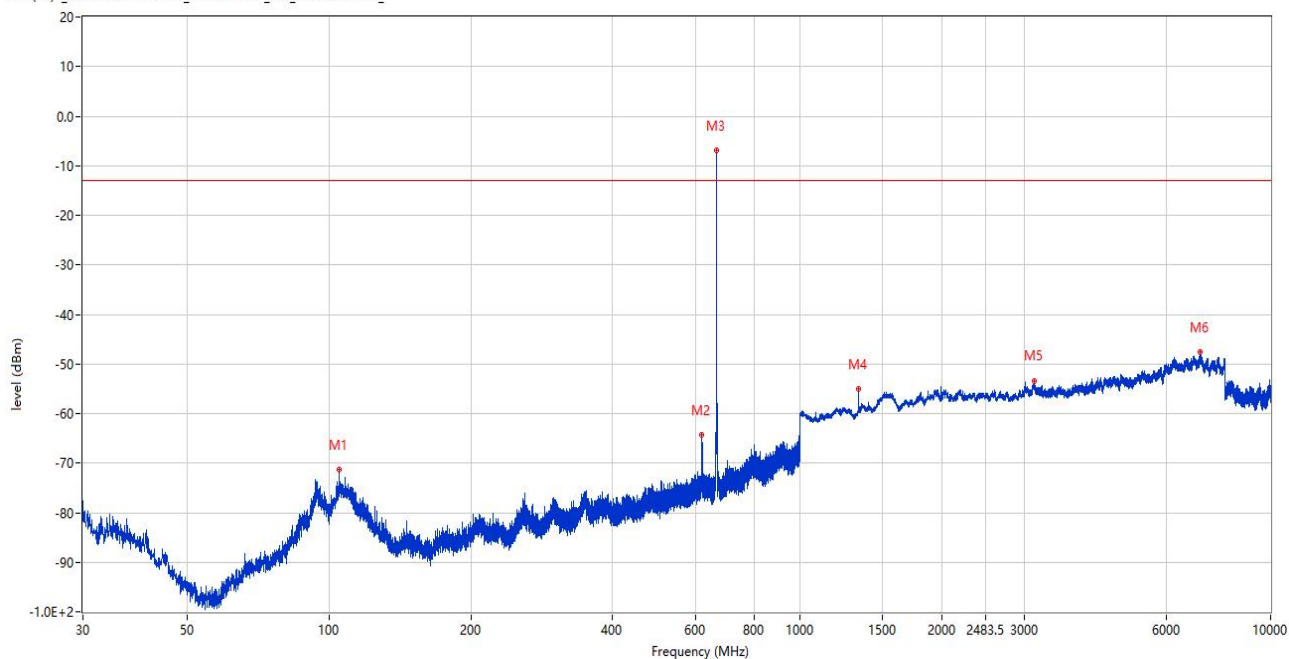
RSE (RF) _FCC PART22&24&27_LTE Band 71 _680_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
94.456	-73.21	-2.02	-13.0	60.21	324.00	Vertical	Horizontal	Pass
258.338	-77.81	-6.70	-13.0	64.81	360.00	Vertical	Horizontal	Pass
665.593	2.83	-1.60	-13.0	-15.83	36.00	Vertical	Horizontal	N/A
1560.500	-55.82	6.48	-13.0	42.82	288.00	Vertical	Horizontal	Pass
3152.000	-53.36	9.35	-13.0	40.36	252.00	Vertical	Horizontal	Pass
6883.500	-47.95	14.81	-13.0	34.95	288.00	Vertical	Horizontal	Pass

Band:LTE B71

RSE (RF) _FCC PART228&248&27_LTE Band 71 _680_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
105.272	-71.39	-1.10	-13.0	58.39	72.00	Horizontal	Horizontal	Pass
619.032	-64.31	-1.03	-13.0	51.31	72.00	Horizontal	Horizontal	N/A
665.593	-6.84	-1.60	-13.0	-6.16	324.00	Horizontal	Horizontal	N/A
1331.500	-54.95	3.14	-13.0	41.95	288.00	Horizontal	Horizontal	Pass
3140.500	-53.53	9.88	-13.0	40.53	108.00	Horizontal	Horizontal	Pass
7088.000	-47.50	15.11	-13.0	34.50	360.00	Horizontal	Horizontal	Pass

--BLANK BELOW--