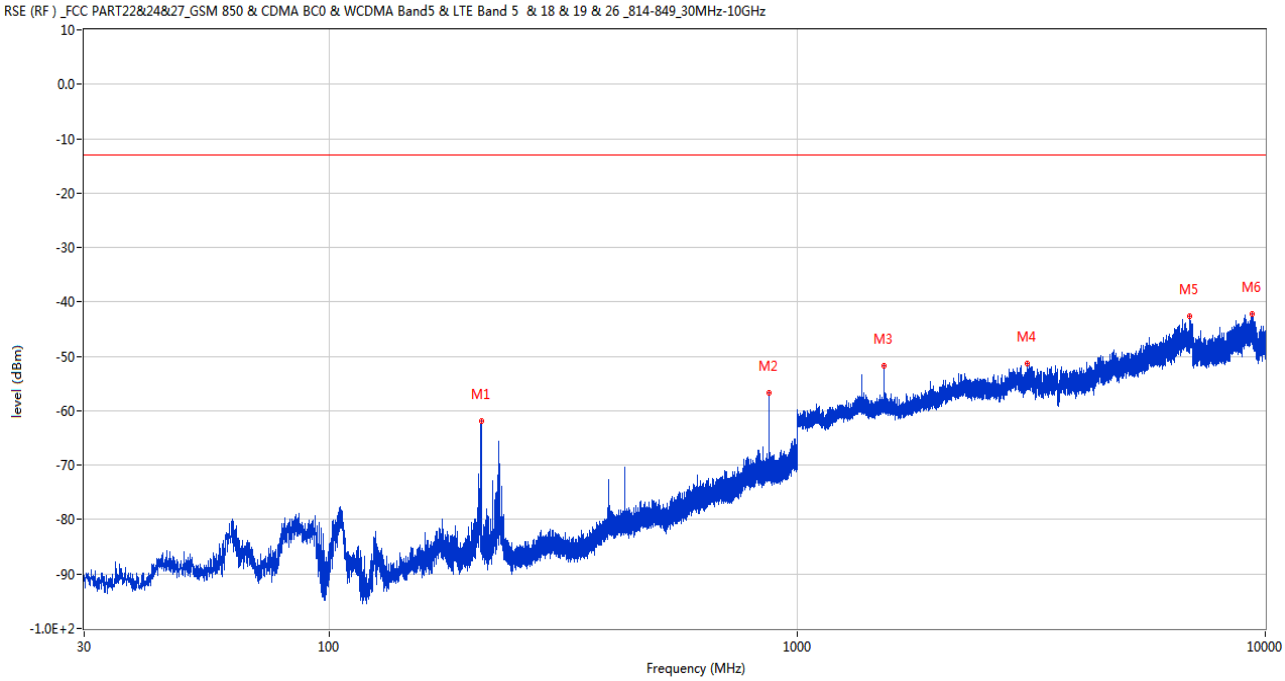
A.7 Field Strength of Spurious Radiation

1. GSM

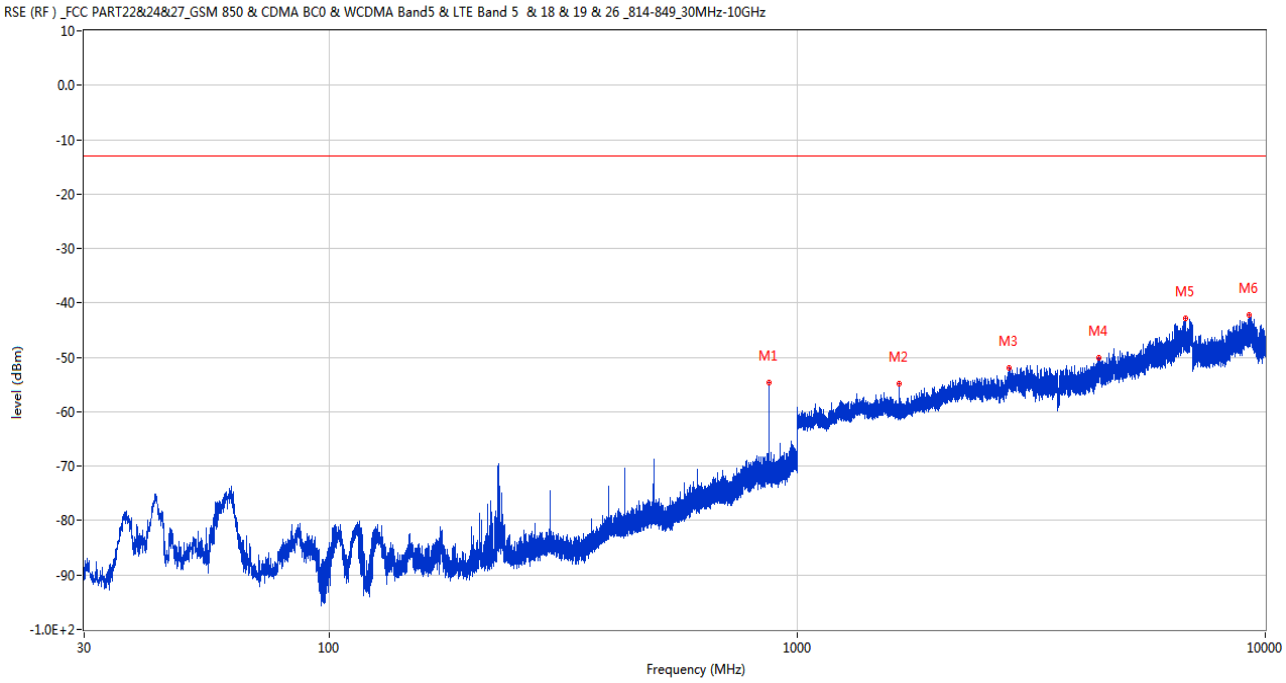
1.1 GSM 850

Band:GSM850,Channel:Low range



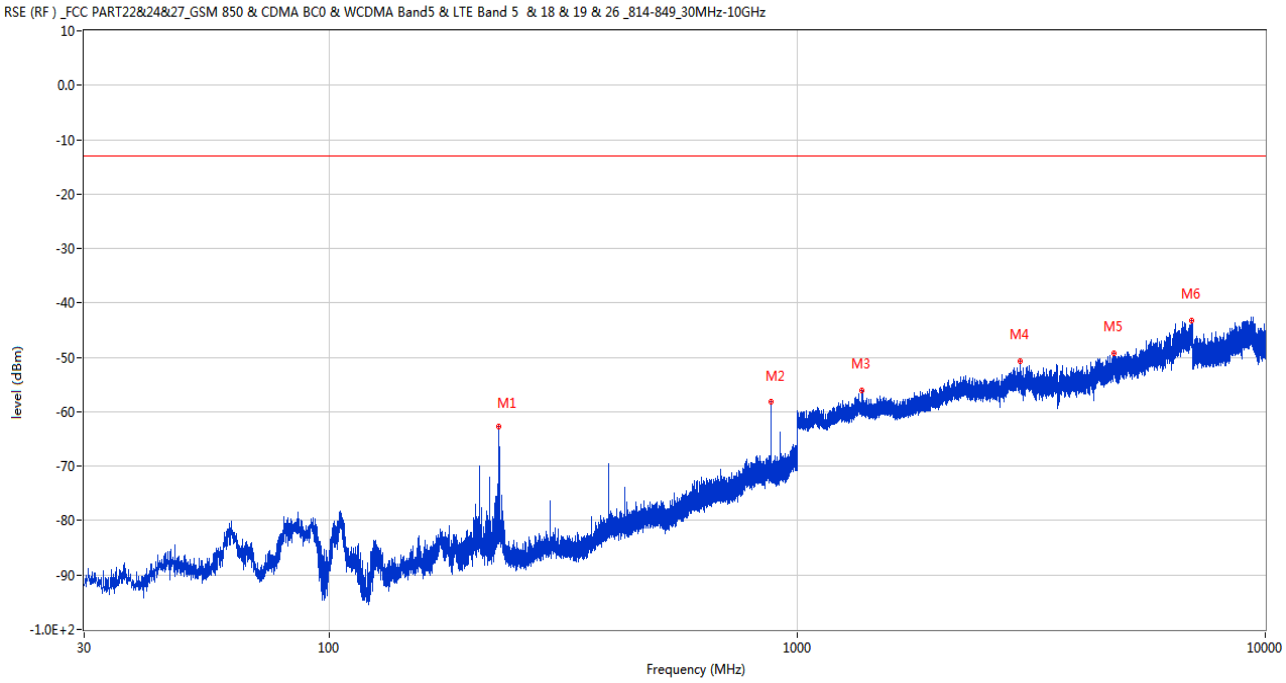
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
211.342	-61.87	-15.47	-13.0	48.87	46.00	Horizontal	Horizontal	Pass
869.147	-56.69	1.60	-13.0	43.69	211.00	Horizontal	Horizontal	N/A
1532.000	-51.70	-2.19	-13.0	38.70	130.00	Horizontal	Horizontal	Pass
3095.600	-51.40	4.96	-13.0	38.40	181.00	Horizontal	Horizontal	Pass
6906.800	-42.63	16.31	-13.0	29.63	85.00	Horizontal	Horizontal	Pass
9362.950	-42.30	35.17	-13.0	29.30	68.00	Horizontal	Horizontal	Pass

Band:GSM850,Channel:Low range



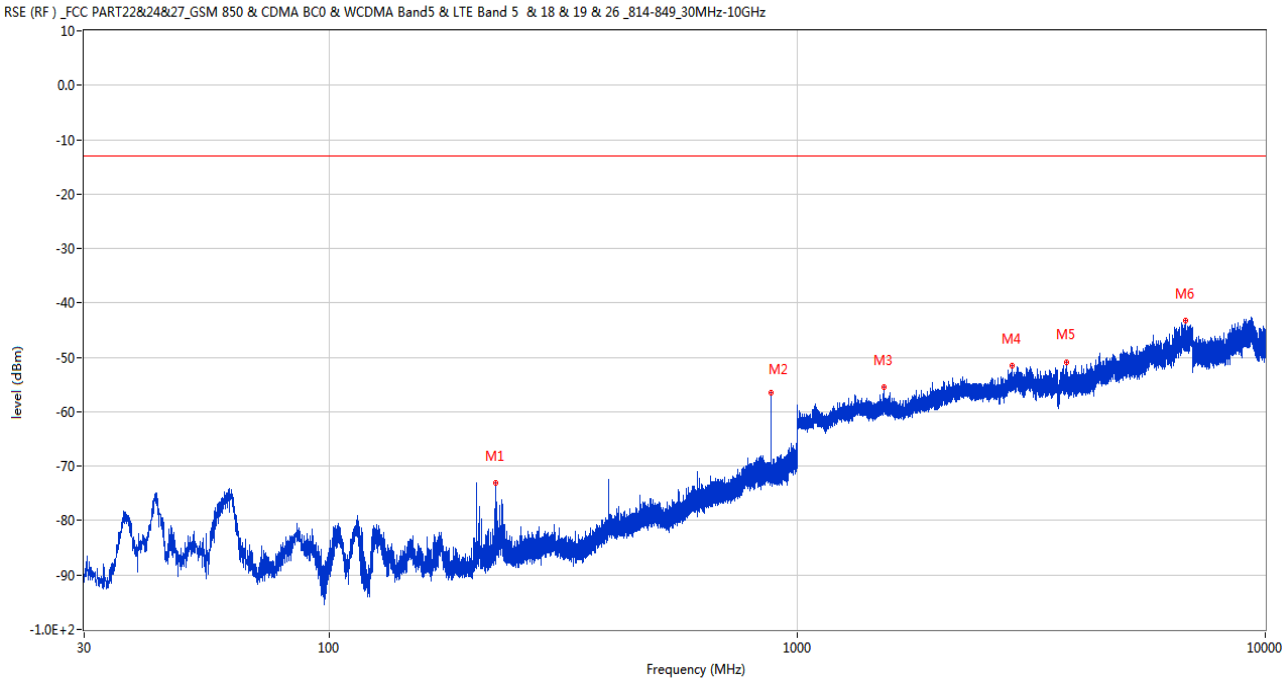
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
869.244	-54.69	1.60	-13.0	41.69	360.00	Vertical	Horizontal	N/A
1648.400	-54.87	-3.76	-13.0	41.87	20.00	Vertical	Horizontal	Pass
2843.400	-51.86	3.01	-13.0	38.86	30.00	Vertical	Horizontal	Pass
4417.600	-50.00	7.52	-13.0	37.00	155.00	Vertical	Horizontal	Pass
6744.400	-42.86	16.09	-13.0	29.86	207.00	Vertical	Horizontal	Pass
9229.450	-42.18	34.43	-13.0	29.18	205.00	Vertical	Horizontal	Pass

Band:GSM850,Channel:MID range



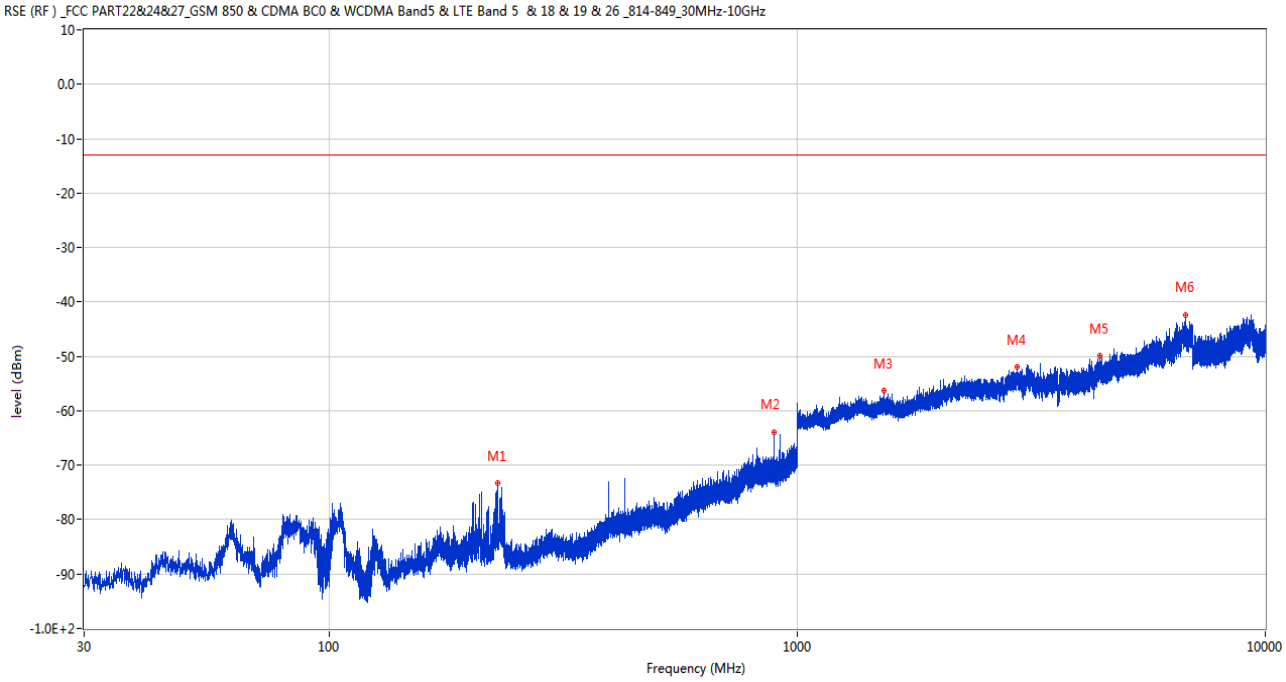
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-62.68	-13.33	-13.0	49.68	165.00	Horizontal	Horizontal	Pass
881.563	-58.15	1.14	-13.0	45.15	200.00	Horizontal	Horizontal	N/A
1378.100	-56.17	-2.35	-13.0	43.17	99.00	Horizontal	Horizontal	Pass
2997.600	-50.66	3.59	-13.0	37.66	149.00	Horizontal	Horizontal	Pass
4753.800	-49.19	8.48	-13.0	36.19	236.00	Horizontal	Horizontal	Pass
6949.600	-43.18	16.18	-13.0	30.18	94.00	Horizontal	Horizontal	Pass

Band:GSM850,Channel:MID range



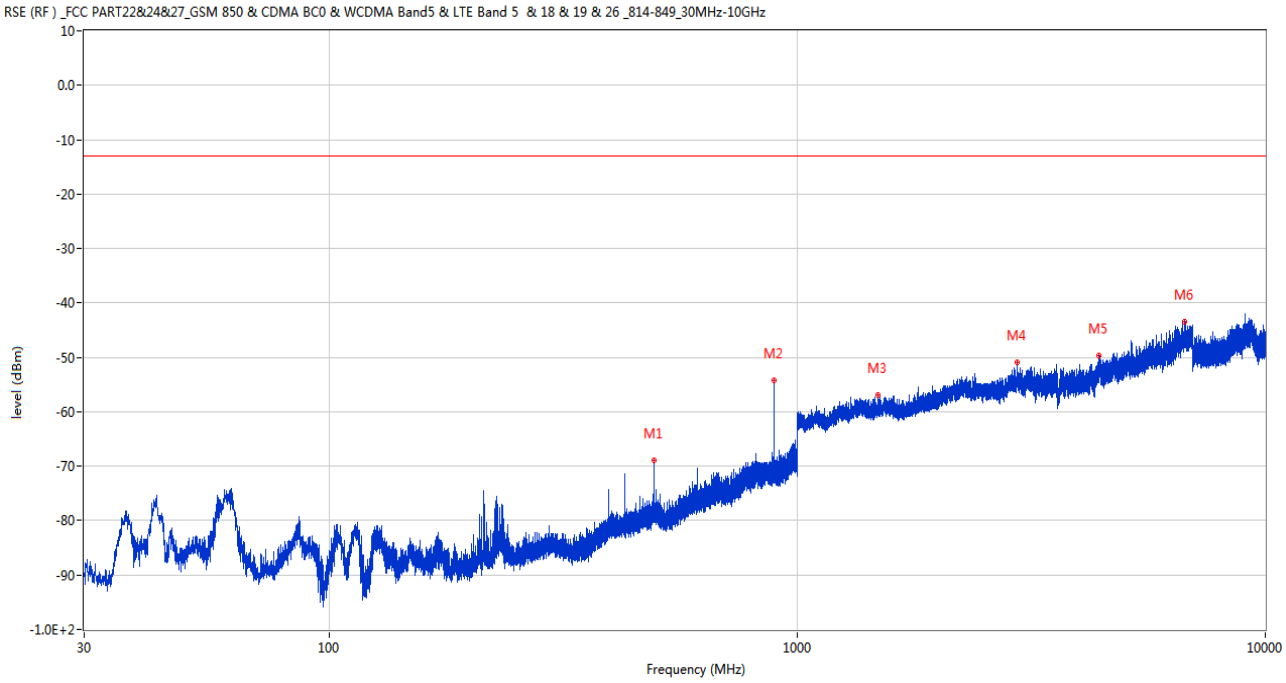
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
226.861	-73.02	-13.76	-13.0	60.02	56.00	Vertical	Horizontal	Pass
881.612	-56.43	1.14	-13.0	43.43	354.00	Vertical	Horizontal	N/A
1532.800	-55.45	-2.10	-13.0	42.45	360.00	Vertical	Horizontal	Pass
2882.700	-51.63	2.74	-13.0	38.63	135.00	Vertical	Horizontal	Pass
3771.600	-50.80	5.22	-13.0	37.80	260.00	Vertical	Horizontal	Pass
6745.600	-43.17	16.09	-13.0	30.17	72.00	Vertical	Horizontal	Pass

Band:GSM850,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
229.626	-73.27	-13.21	-13.0	60.27	202.00	Horizontal	Horizontal	Pass
893.882	-63.96	1.68	-13.0	50.96	34.00	Horizontal	Horizontal	N/A
1532.900	-56.36	-2.09	-13.0	43.36	346.00	Horizontal	Horizontal	Pass
2956.800	-51.92	3.72	-13.0	38.92	342.00	Horizontal	Horizontal	Pass
4423.000	-49.83	7.68	-13.0	36.83	344.00	Horizontal	Horizontal	Pass
6745.800	-42.32	16.09	-13.0	29.32	180.00	Horizontal	Horizontal	Pass

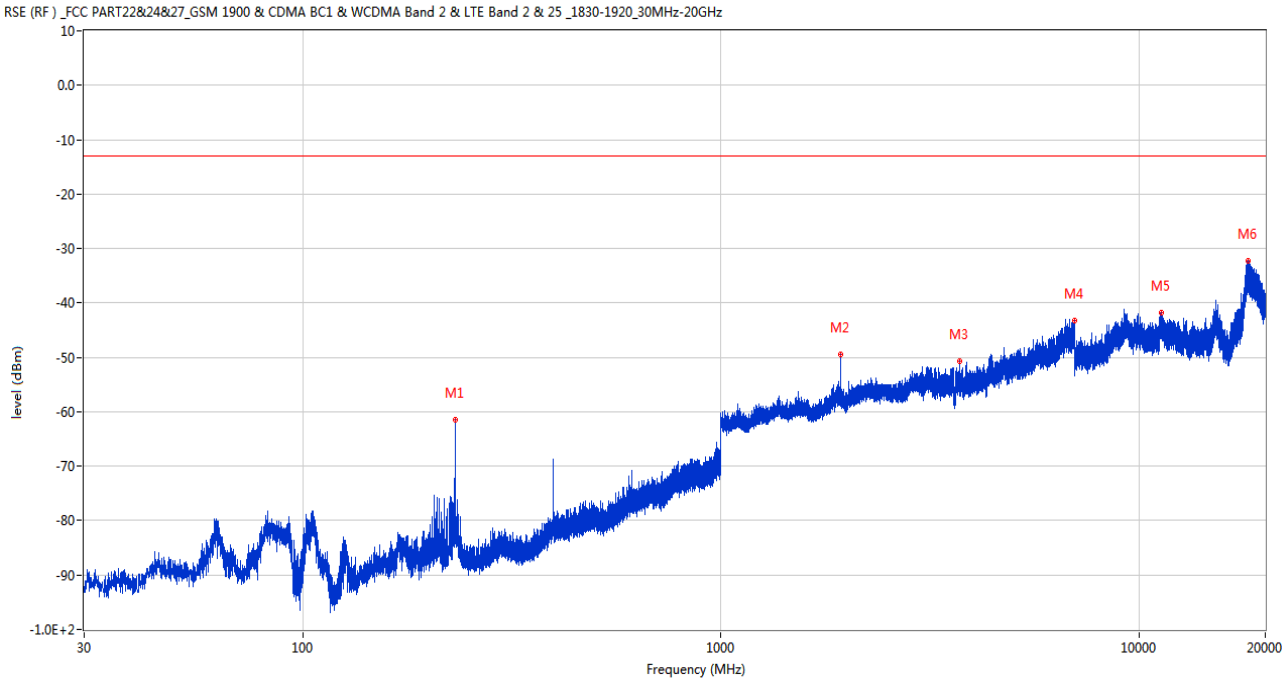
Band:GSM850,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
494.970	-68.91	-6.27	-13.0	55.91	221.00	Vertical	Horizontal	Pass
893.737	-54.18	1.68	-13.0	41.18	25.00	Vertical	Horizontal	N/A
1489.000	-56.92	-2.80	-13.0	43.92	18.00	Vertical	Horizontal	Pass
2953.700	-50.90	3.81	-13.0	37.90	130.00	Vertical	Horizontal	Pass
4414.400	-49.72	7.44	-13.0	36.72	94.00	Vertical	Horizontal	Pass
6728.200	-43.49	15.75	-13.0	30.49	198.00	Vertical	Horizontal	Pass

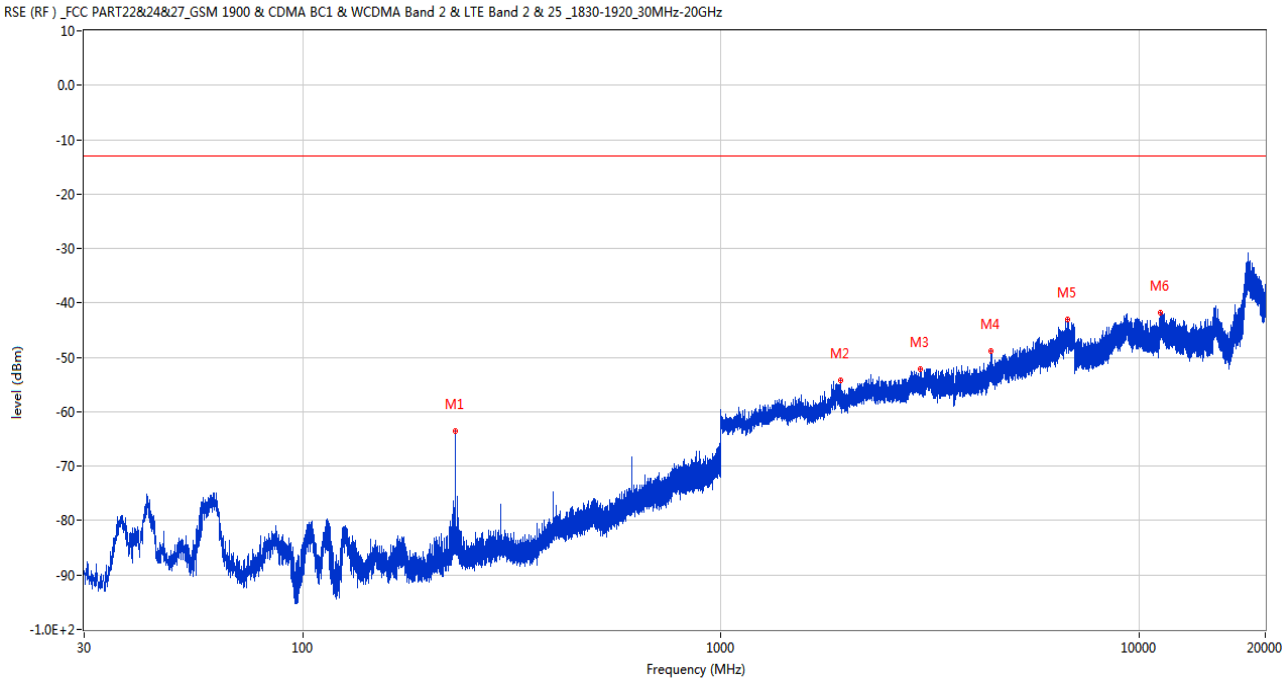
1.2 GSM 1900

Band:GSM1900,Channel:Low range



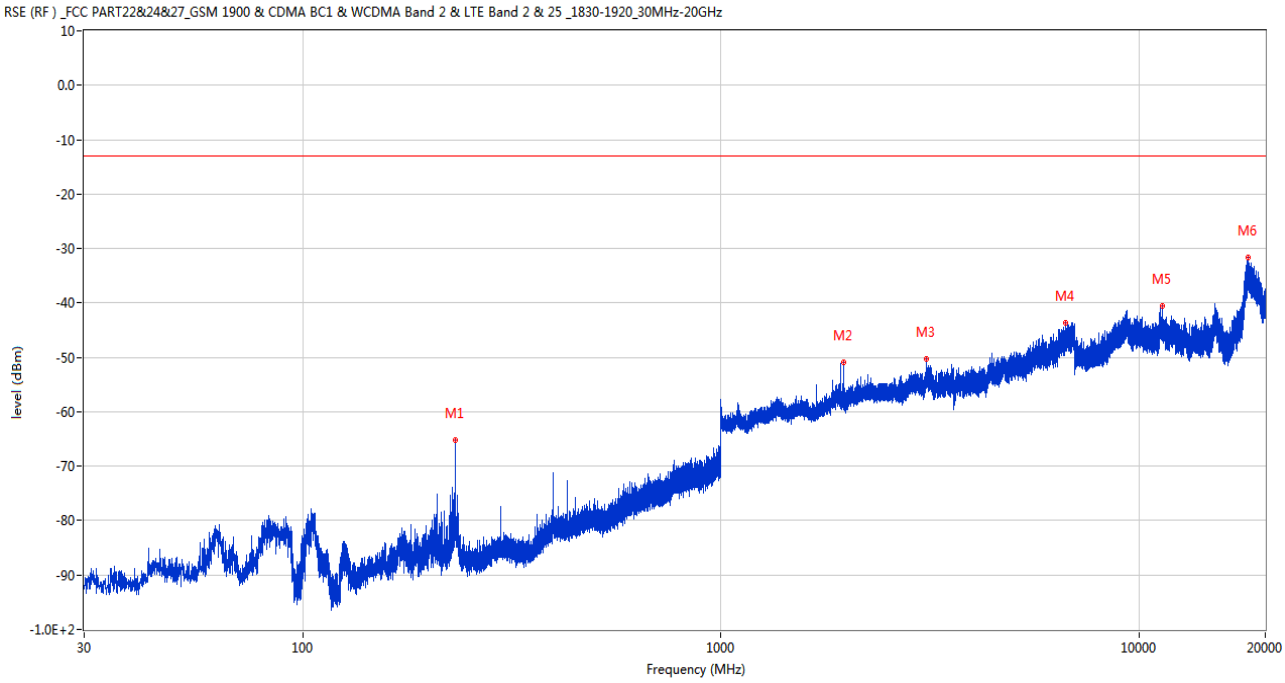
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-61.41	-13.47	-13.0	48.41	0.00	Horizontal	Horizontal	Pass
1930.100	-49.44	-1.36	-13.0	36.44	155.00	Horizontal	Horizontal	N/A
3716.600	-50.66	4.82	-13.0	37.66	363.00	Horizontal	Horizontal	Pass
6987.800	-43.19	16.38	-13.0	30.19	-1.00	Horizontal	Horizontal	Pass
11287.775	-41.73	35.14	-13.0	28.73	168.00	Horizontal	Horizontal	Pass
18155.600	-32.19	44.78	-13.0	19.19	-1.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:Low range



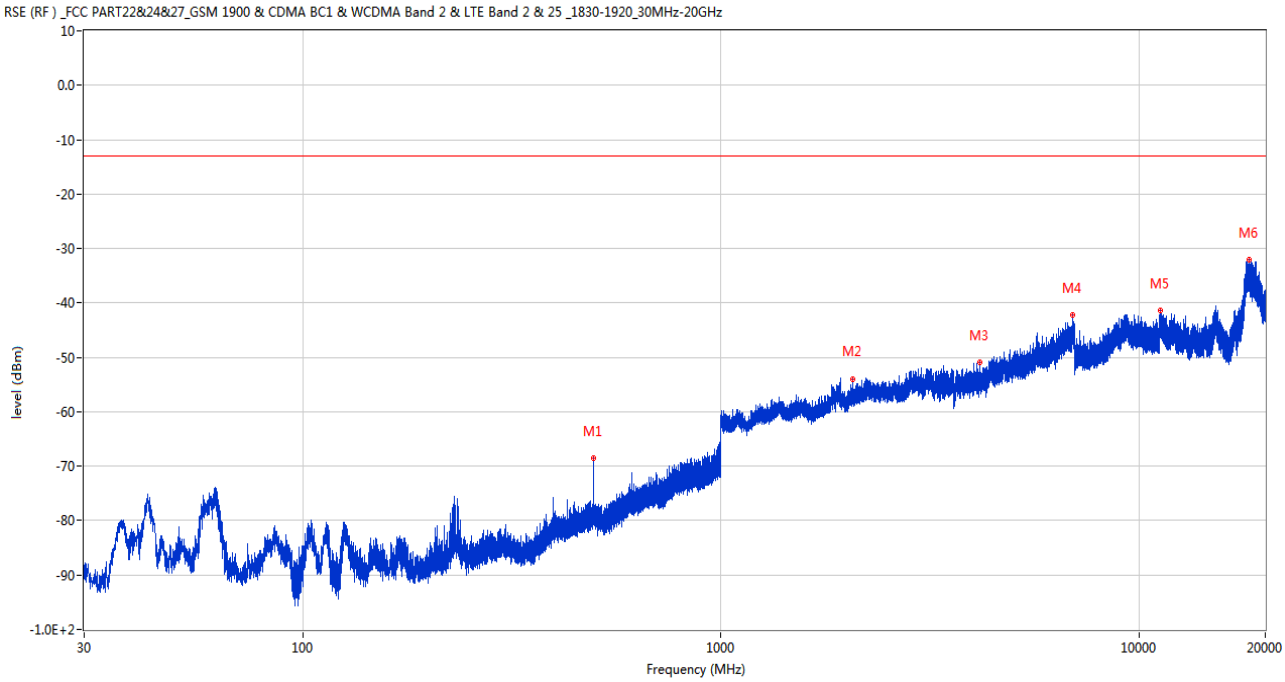
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-63.63	-13.47	-13.0	50.63	-3.00	Vertical	Horizontal	Pass
1930.300	-54.20	-1.38	-13.0	41.20	185.00	Vertical	Horizontal	N/A
2992.500	-52.14	2.62	-13.0	39.14	-1.00	Vertical	Horizontal	Pass
4415.200	-48.88	7.46	-13.0	35.88	289.00	Vertical	Horizontal	Pass
6742.800	-43.12	16.04	-13.0	30.12	38.00	Vertical	Horizontal	Pass
11253.850	-41.79	35.22	-13.0	28.79	70.00	Vertical	Horizontal	Pass

Band:GSM1900,Channel:MID range



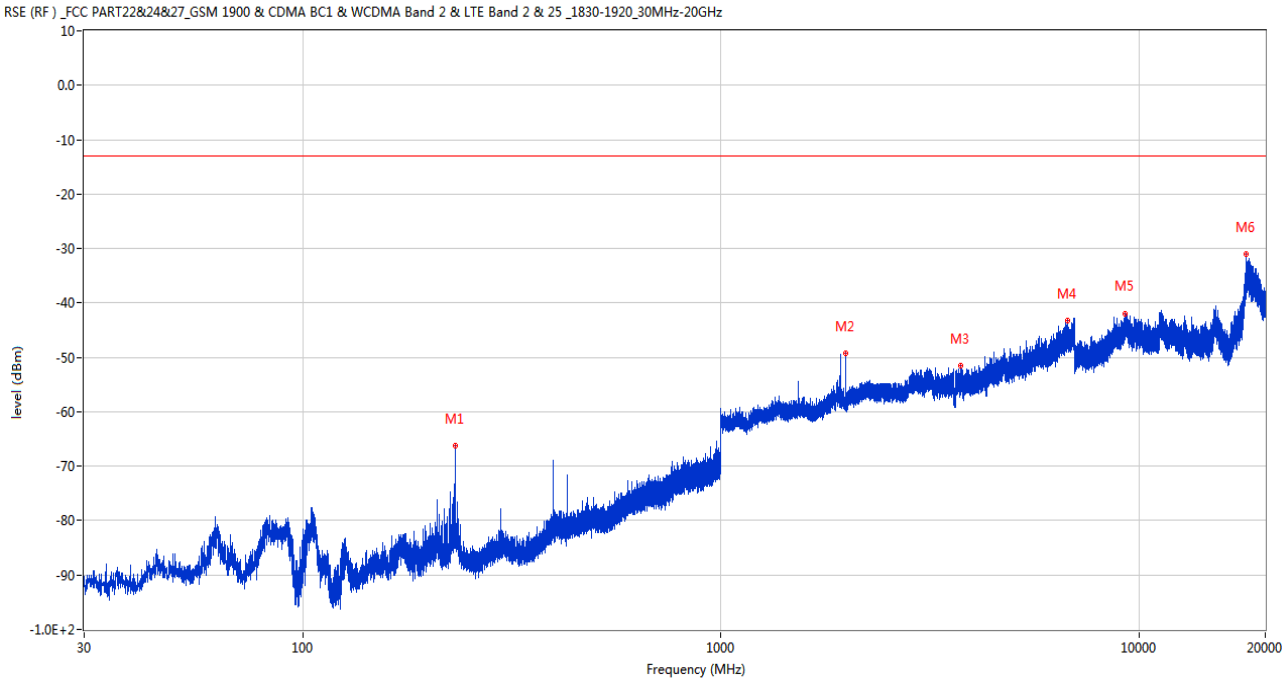
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-65.13	-13.47	-13.0	52.13	88.00	Horizontal	Horizontal	Pass
1959.700	-51.00	-1.42	-13.0	38.00	150.00	Horizontal	Horizontal	N/A
3091.800	-50.36	4.89	-13.0	37.36	290.00	Horizontal	Horizontal	Pass
6645.000	-43.56	15.98	-13.0	30.56	361.00	Horizontal	Horizontal	Pass
11338.375	-40.57	34.94	-13.0	27.57	243.00	Horizontal	Horizontal	Pass
18220.124	-31.54	44.74	-13.0	18.54	233.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:MID range



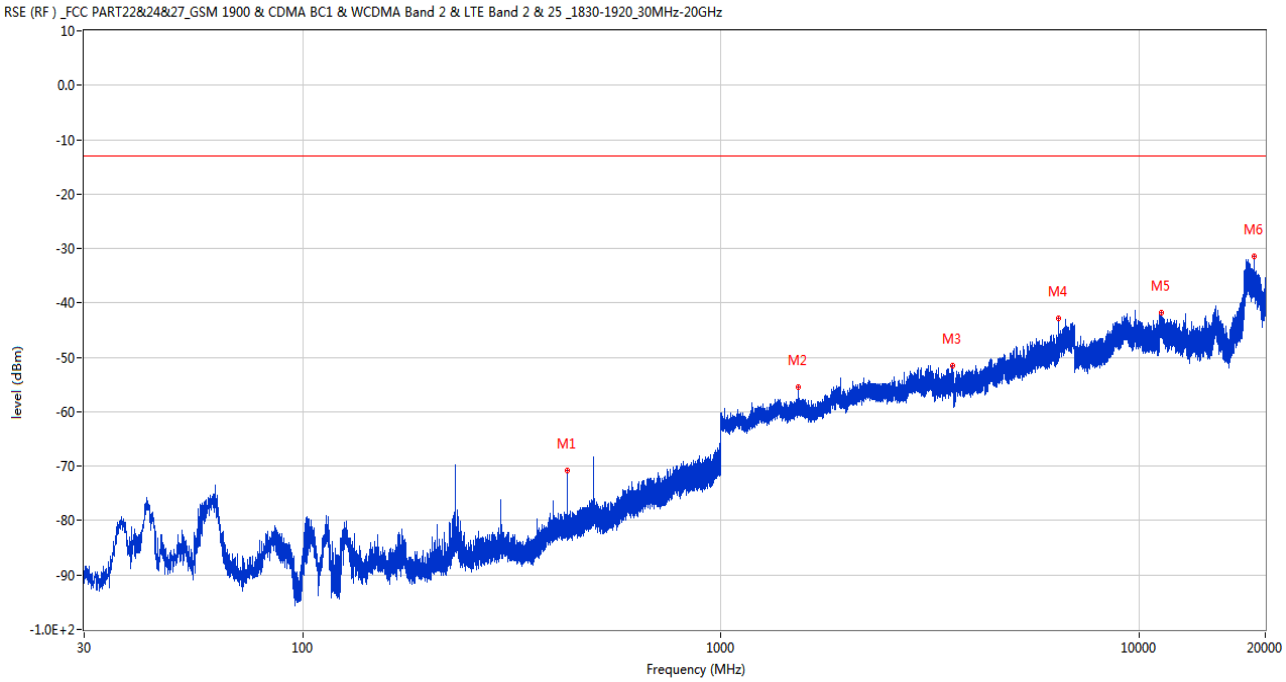
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
495.018	-68.45	-6.32	-13.0	55.45	0.00	Vertical	Horizontal	Pass
2066.600	-53.98	-0.19	-13.0	40.98	361.00	Vertical	Horizontal	Pass
4147.800	-50.91	5.89	-13.0	37.91	322.00	Vertical	Horizontal	Pass
6916.200	-42.30	16.52	-13.0	29.30	175.00	Vertical	Horizontal	Pass
11211.013	-41.40	35.02	-13.0	28.40	120.00	Vertical	Horizontal	Pass
18282.113	-32.11	44.43	-13.0	19.11	10.00	Vertical	Horizontal	Pass

Band:GSM1900,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-66.26	-13.47	-13.0	53.26	101.00	Horizontal	Horizontal	Pass
1989.800	-49.34	-1.76	-13.0	36.34	153.00	Horizontal	Horizontal	N/A
3738.800	-51.57	4.84	-13.0	38.57	339.00	Horizontal	Horizontal	Pass
6746.600	-43.26	16.08	-13.0	30.26	-2.00	Horizontal	Horizontal	Pass
9222.662	-41.91	34.41	-13.0	28.91	360.00	Horizontal	Horizontal	Pass
18014.587	-30.97	44.74	-13.0	17.97	363.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:HIGH range

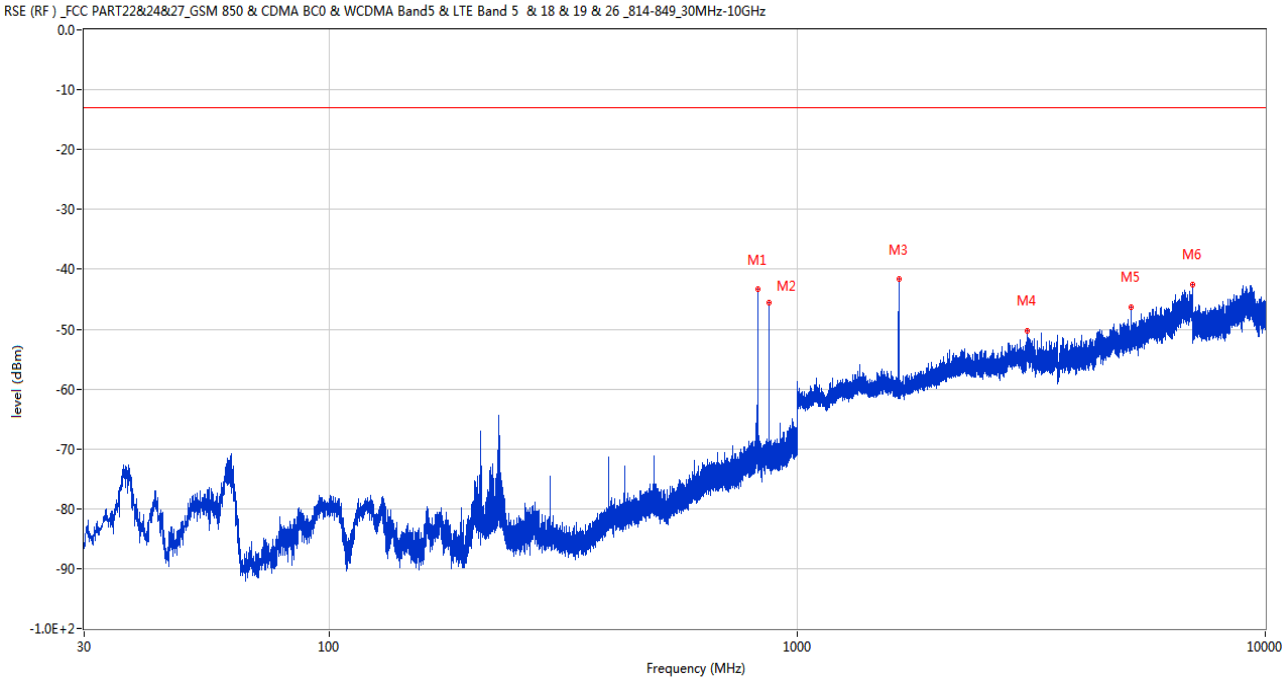


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
429.010	-70.75	-8.03	-13.0	57.75	275.00	Vertical	Horizontal	Pass
1533.200	-55.54	-2.43	-13.0	42.54	234.00	Vertical	Horizontal	Pass
3586.200	-51.50	4.57	-13.0	38.50	58.00	Vertical	Horizontal	Pass
6421.400	-42.77	14.82	-13.0	29.77	361.00	Vertical	Horizontal	Pass
11265.063	-41.80	35.21	-13.0	28.80	363.00	Vertical	Horizontal	Pass
18765.687	-31.42	43.56	-13.0	18.42	202.00	Vertical	Horizontal	Pass

2. EGPRS

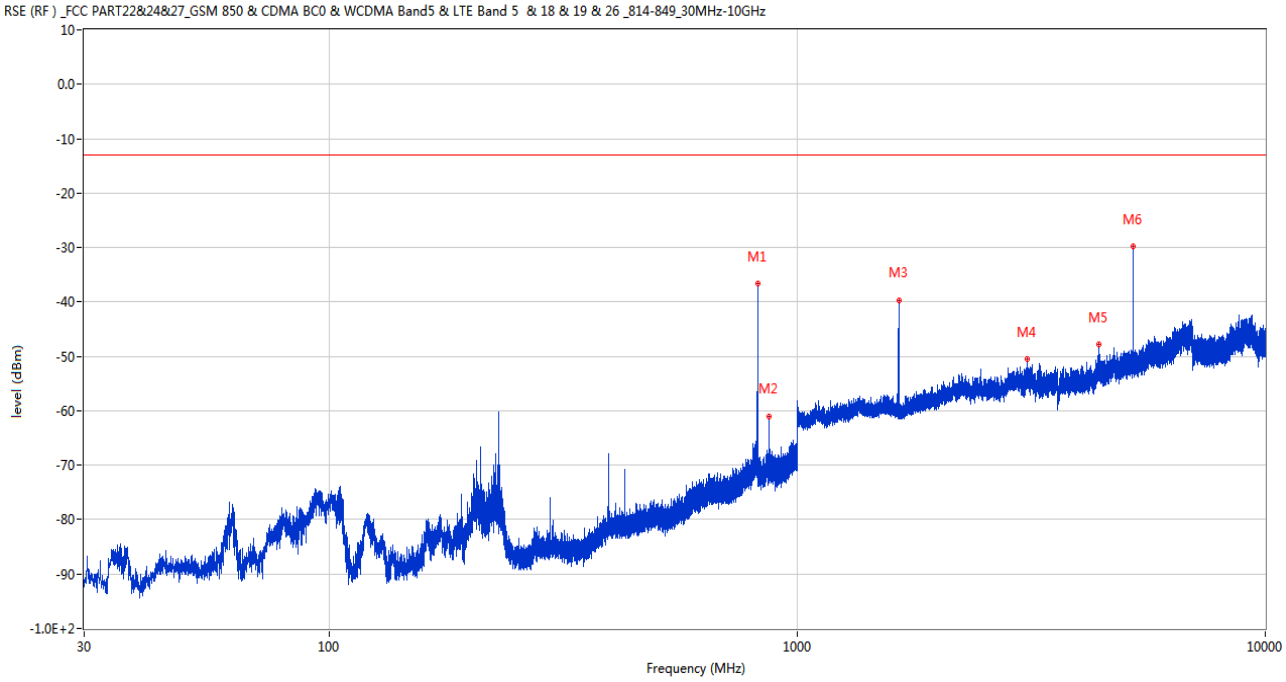
2.1 EGPRS 850

Band:EGPRS850,Channel:Low range



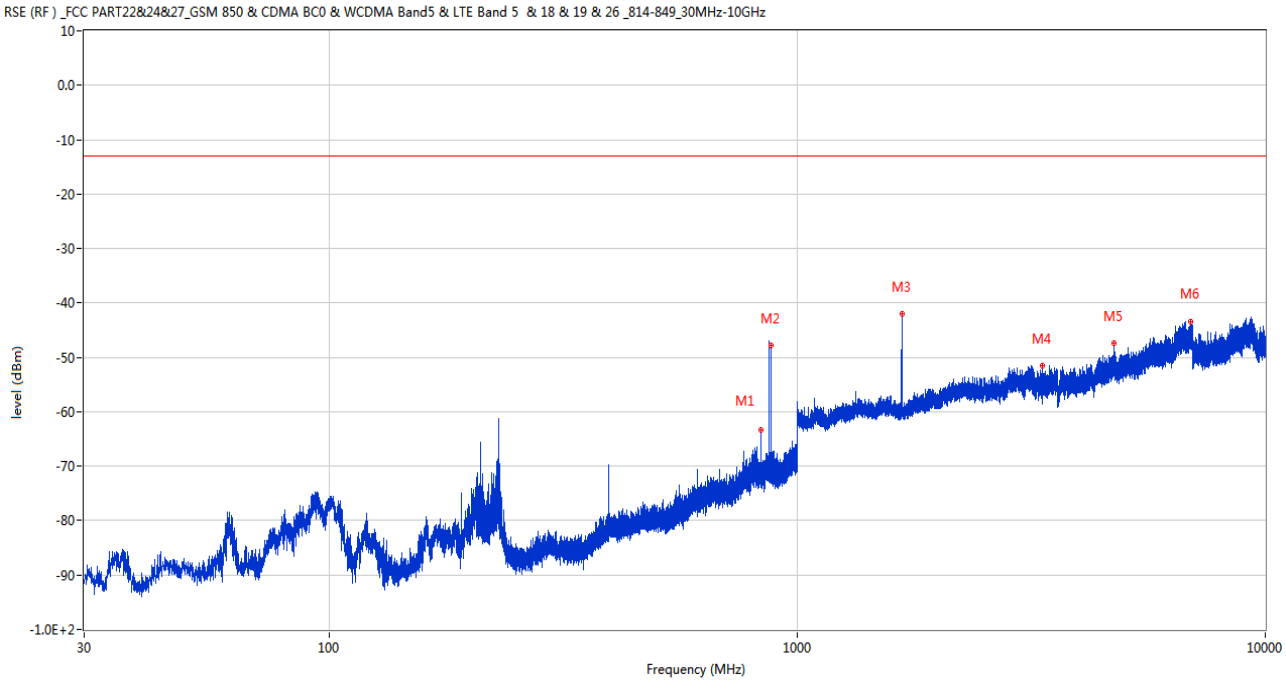
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.188	-43.24	2.02	-13.0	30.24	137.00	Horizontal	Horizontal	N/A
869.147	-45.59	1.60	-13.0	32.59	363.00	Horizontal	Horizontal	N/A
1648.200	-41.69	-3.75	-13.0	28.69	64.00	Horizontal	Horizontal	Pass
3101.800	-50.29	5.07	-13.0	37.29	331.00	Horizontal	Horizontal	Pass
5181.600	-46.30	9.17	-13.0	33.30	251.00	Horizontal	Horizontal	Pass
6999.000	-42.54	15.79	-13.0	29.54	169.00	Horizontal	Horizontal	Pass

Band:EGPRS850,Channel:Low range



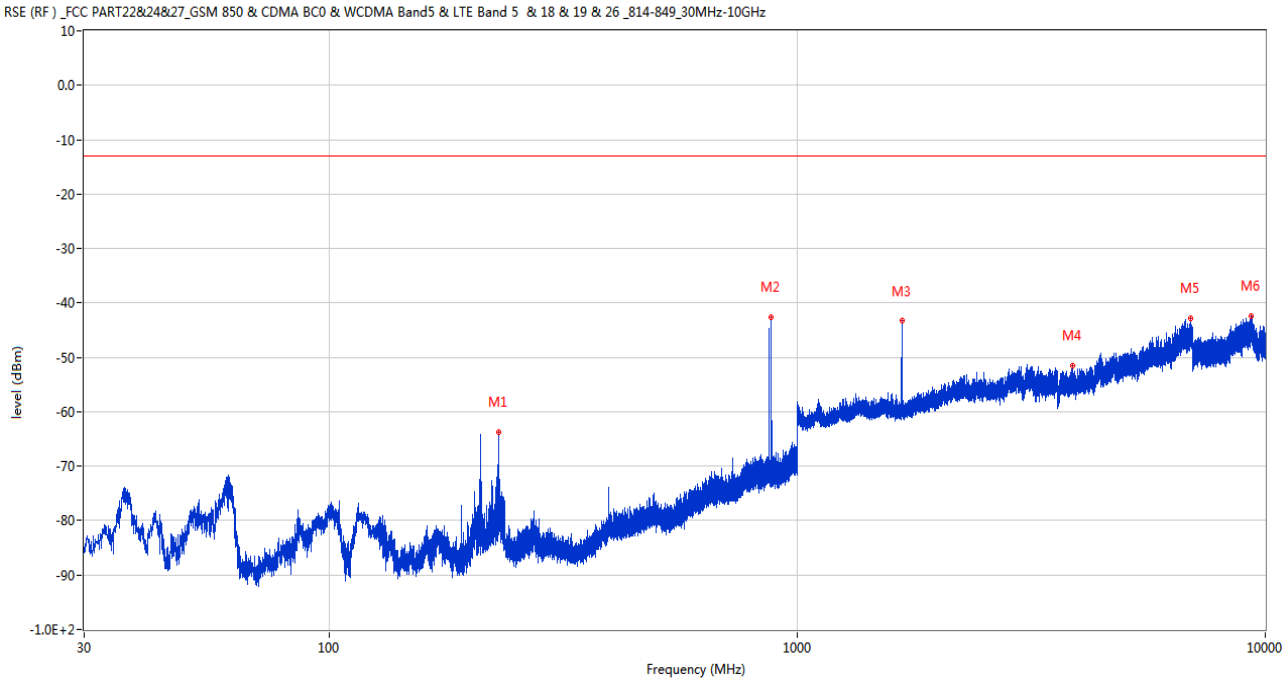
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.236	-36.69	2.02	-13.0	23.69	244.00	Vertical	Horizontal	N/A
869.147	-61.07	1.60	-13.0	48.07	219.00	Vertical	Horizontal	N/A
1648.400	-39.63	-3.76	-13.0	26.63	362.00	Vertical	Horizontal	Pass
3106.000	-50.46	4.77	-13.0	37.46	-2.00	Vertical	Horizontal	Pass
4407.200	-47.80	7.19	-13.0	34.80	-1.00	Vertical	Horizontal	Pass
5221.000	-29.78	9.36	-13.0	16.78	363.00	Vertical	Horizontal	Pass

Band:EGPRS850,Channel:MID range



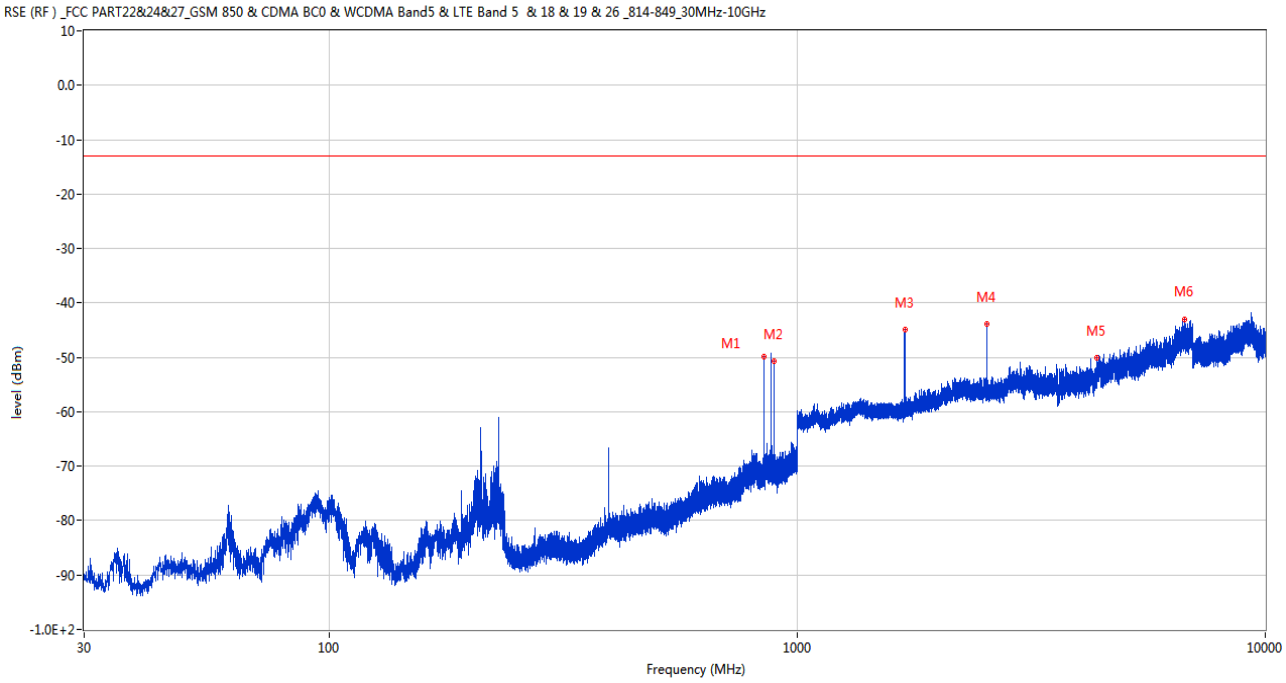
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.604	-63.33	1.92	-13.0	50.33	242.00	Horizontal	Horizontal	N/A
881.612	-47.85	1.14	-13.0	34.85	200.00	Horizontal	Horizontal	N/A
1673.200	-41.94	-3.73	-13.0	28.94	267.00	Horizontal	Horizontal	Pass
3346.000	-51.53	3.18	-13.0	38.53	162.00	Horizontal	Horizontal	Pass
4750.800	-47.38	8.62	-13.0	34.38	281.00	Horizontal	Horizontal	Pass
6935.200	-43.35	16.18	-13.0	30.35	-1.00	Horizontal	Horizontal	Pass

Band:EGPRS850,Channel:MID range



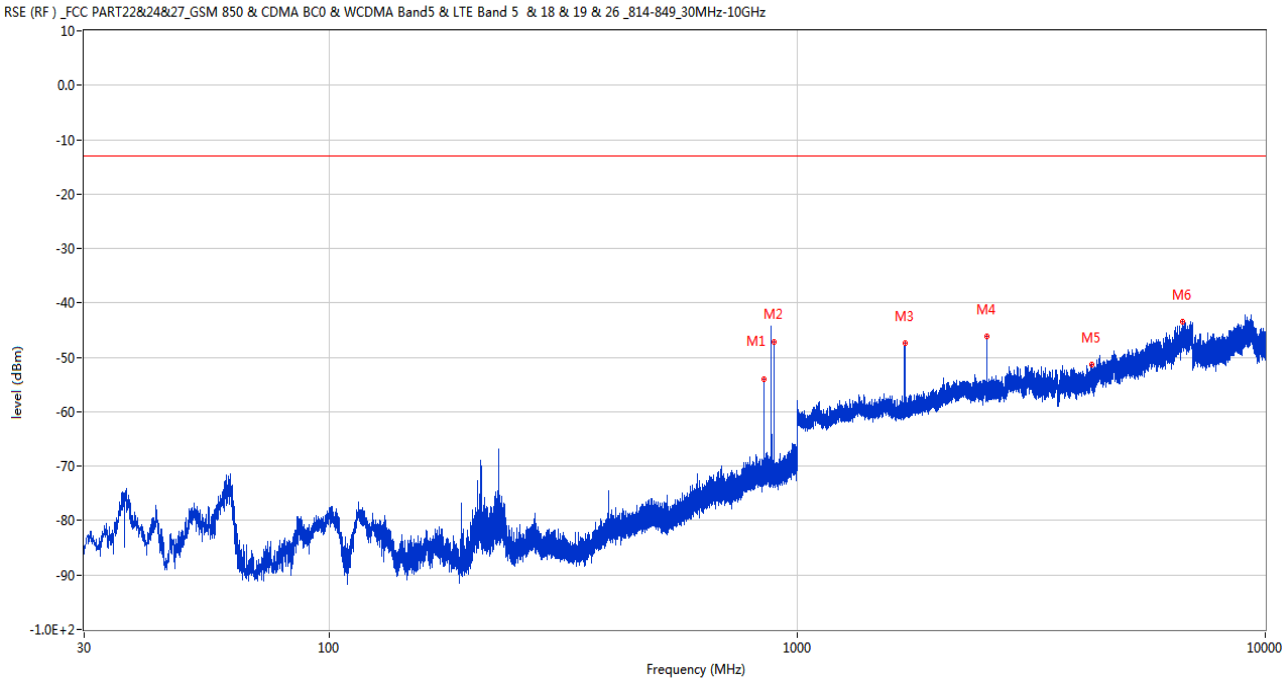
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.499	-63.80	-13.26	-13.0	50.80	363.00	Vertical	Horizontal	Pass
881.660	-42.67	1.13	-13.0	29.67	363.00	Vertical	Horizontal	N/A
1673.200	-43.16	-3.73	-13.0	30.16	76.00	Vertical	Horizontal	Pass
3879.200	-51.52	5.49	-13.0	38.52	14.00	Vertical	Horizontal	Pass
6918.600	-42.85	16.34	-13.0	29.85	128.00	Vertical	Horizontal	Pass
9308.200	-42.49	35.05	-13.0	29.49	361.00	Vertical	Horizontal	Pass

Band:EGPRS850,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.825	-49.81	1.79	-13.0	36.81	206.00	Horizontal	Horizontal	N/A
893.785	-50.64	1.68	-13.0	37.64	201.00	Horizontal	Horizontal	N/A
1697.500	-44.95	-3.62	-13.0	31.95	57.00	Horizontal	Horizontal	Pass
2546.400	-43.89	1.08	-13.0	30.89	143.00	Horizontal	Horizontal	Pass
4376.400	-50.17	6.84	-13.0	37.17	-1.00	Horizontal	Horizontal	Pass
6739.800	-43.02	15.82	-13.0	30.02	172.00	Horizontal	Horizontal	Pass

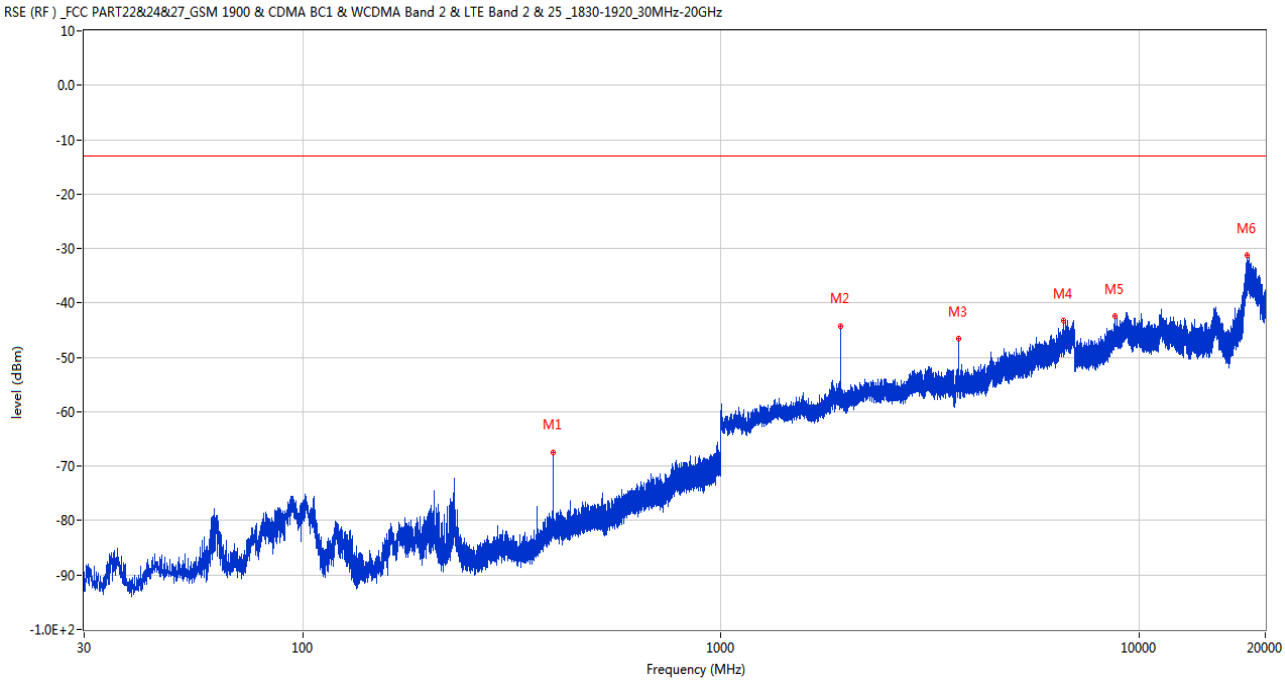
Band:EGPRS850,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.777	-54.01	1.79	-13.0	41.01	355.00	Vertical	Horizontal	N/A
893.833	-47.15	1.68	-13.0	34.15	363.00	Vertical	Horizontal	N/A
1697.500	-47.48	-3.62	-13.0	34.48	112.00	Vertical	Horizontal	Pass
2546.400	-46.17	1.08	-13.0	33.17	34.00	Vertical	Horizontal	Pass
4266.800	-51.29	6.48	-13.0	38.29	195.00	Vertical	Horizontal	Pass
6654.400	-43.45	16.39	-13.0	30.45	217.00	Vertical	Horizontal	Pass

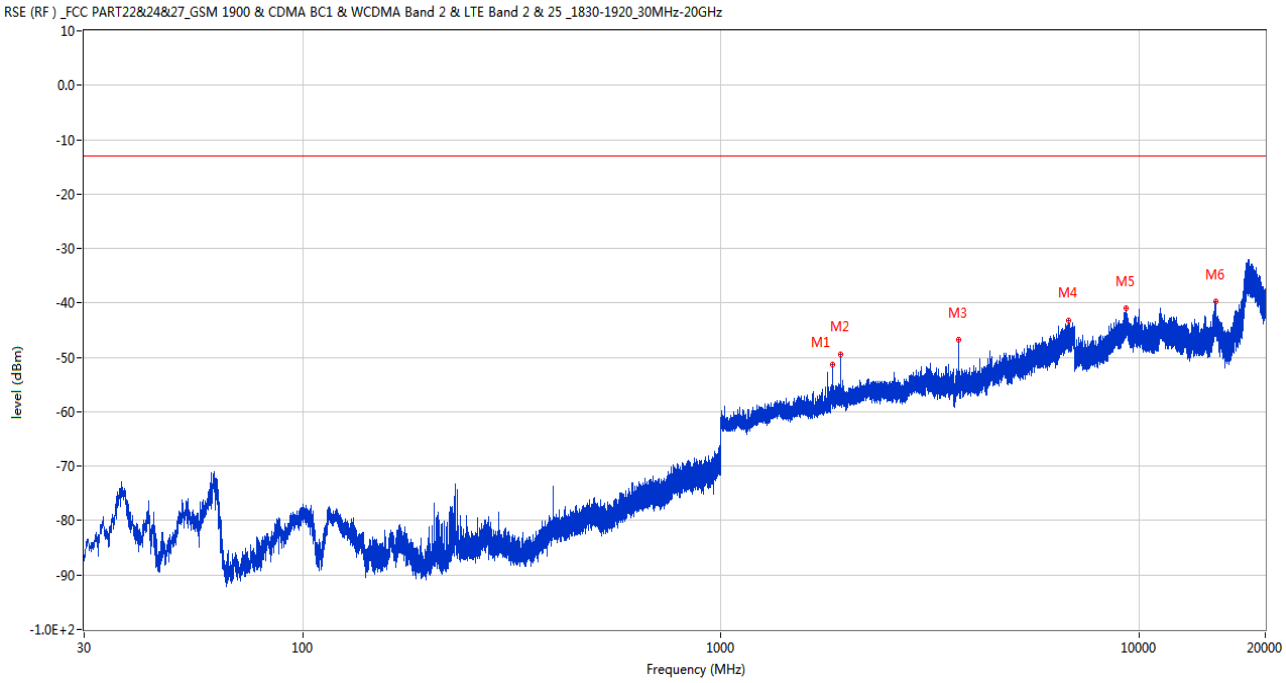
2.2 EGPRS 1900

Band:EGPRS1900,Channel:Low range



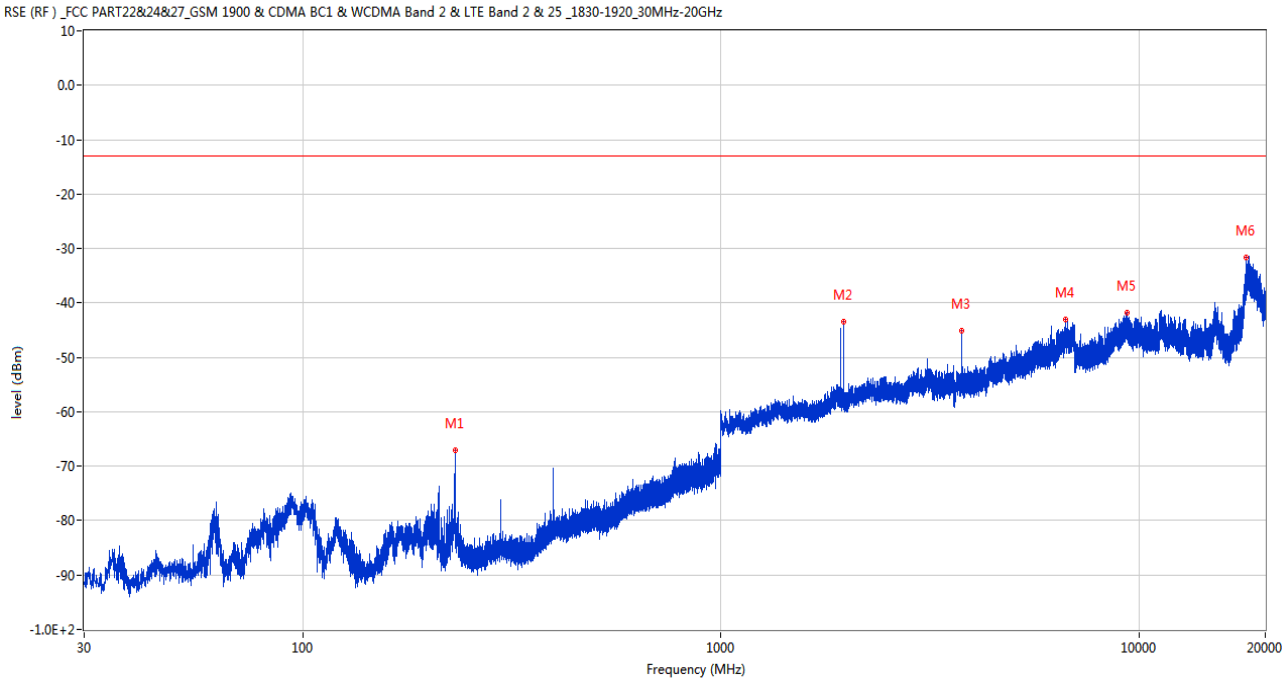
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
395.981	-67.39	-8.43	-13.0	54.39	48.00	Horizontal	Horizontal	Pass
1930.100	-44.19	-1.36	-13.0	31.19	146.00	Horizontal	Horizontal	N/A
3700.200	-46.59	5.21	-13.0	33.59	69.00	Horizontal	Horizontal	Pass
6577.000	-43.17	14.13	-13.0	30.17	361.00	Horizontal	Horizontal	Pass
8745.413	-42.49	33.48	-13.0	29.49	131.00	Horizontal	Horizontal	Pass
18054.824	-31.25	44.71	-13.0	18.25	49.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:Low range



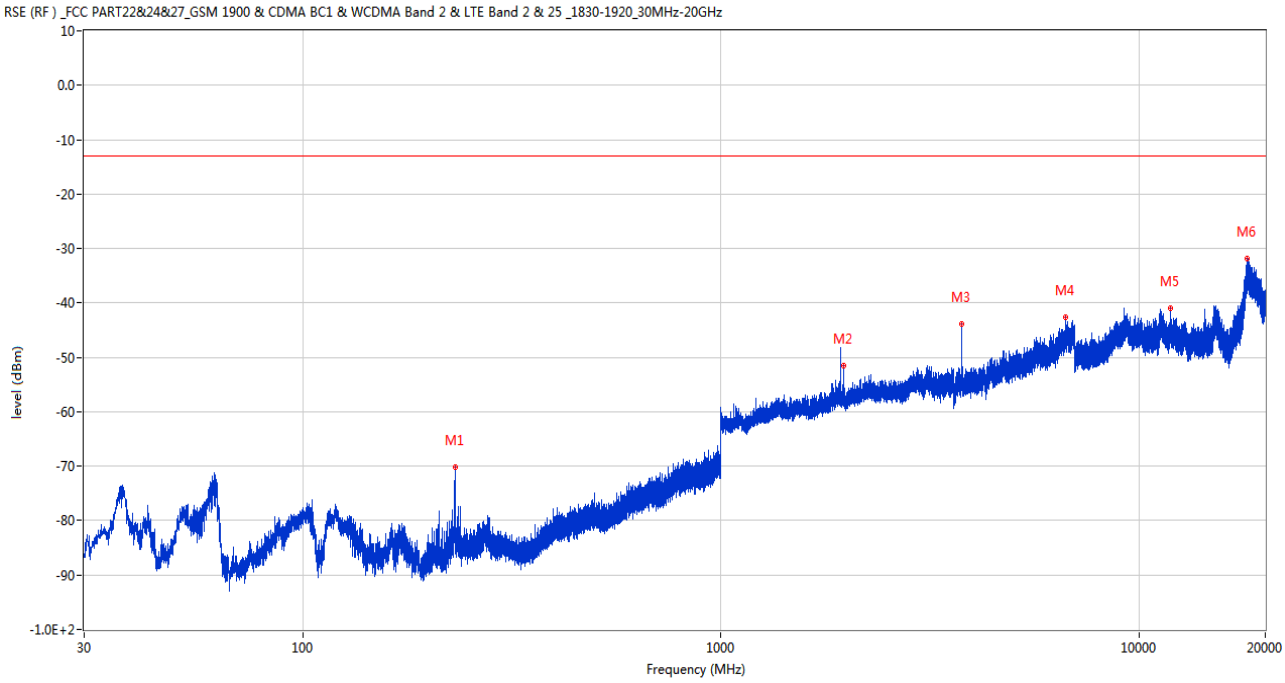
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1842.700	-51.26	-0.47	-13.0	38.26	58.00	Vertical	Horizontal	Pass
1930.000	-49.36	-1.35	-13.0	36.36	199.00	Vertical	Horizontal	N/A
3700.400	-46.79	5.22	-13.0	33.79	150.00	Vertical	Horizontal	Pass
6761.600	-43.14	15.91	-13.0	30.14	128.00	Vertical	Horizontal	Pass
9308.625	-41.04	35.06	-13.0	28.04	261.00	Vertical	Horizontal	Pass
15230.224	-39.71	35.92	-13.0	26.71	363.00	Vertical	Horizontal	Pass

Band:EGPRS1900,Channel:MID range



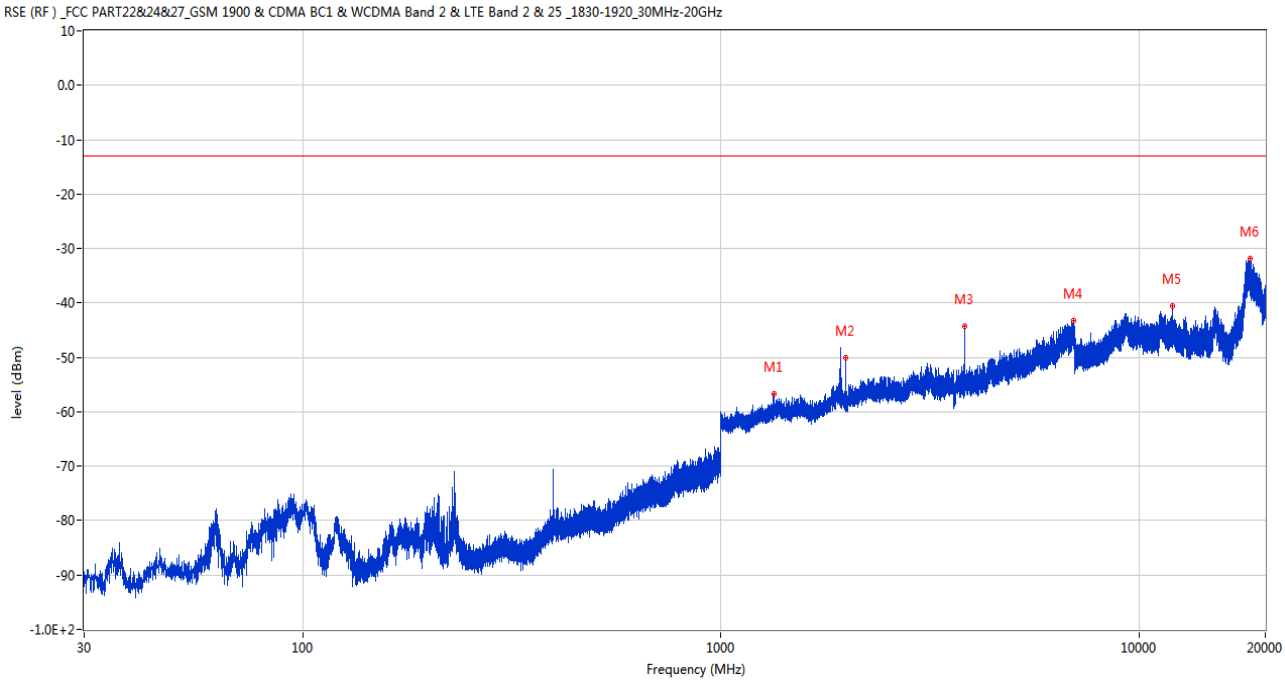
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-67.07	-13.47	-13.0	54.07	70.00	Horizontal	Horizontal	Pass
1959.800	-43.38	-1.42	-13.0	30.38	153.00	Horizontal	Horizontal	N/A
3759.800	-45.20	5.57	-13.0	32.20	363.00	Horizontal	Horizontal	Pass
6647.800	-43.12	16.22	-13.0	30.12	123.00	Horizontal	Horizontal	Pass
9348.300	-41.75	35.29	-13.0	28.75	258.00	Horizontal	Horizontal	Pass
18013.499	-31.58	44.74	-13.0	18.58	245.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:MID range



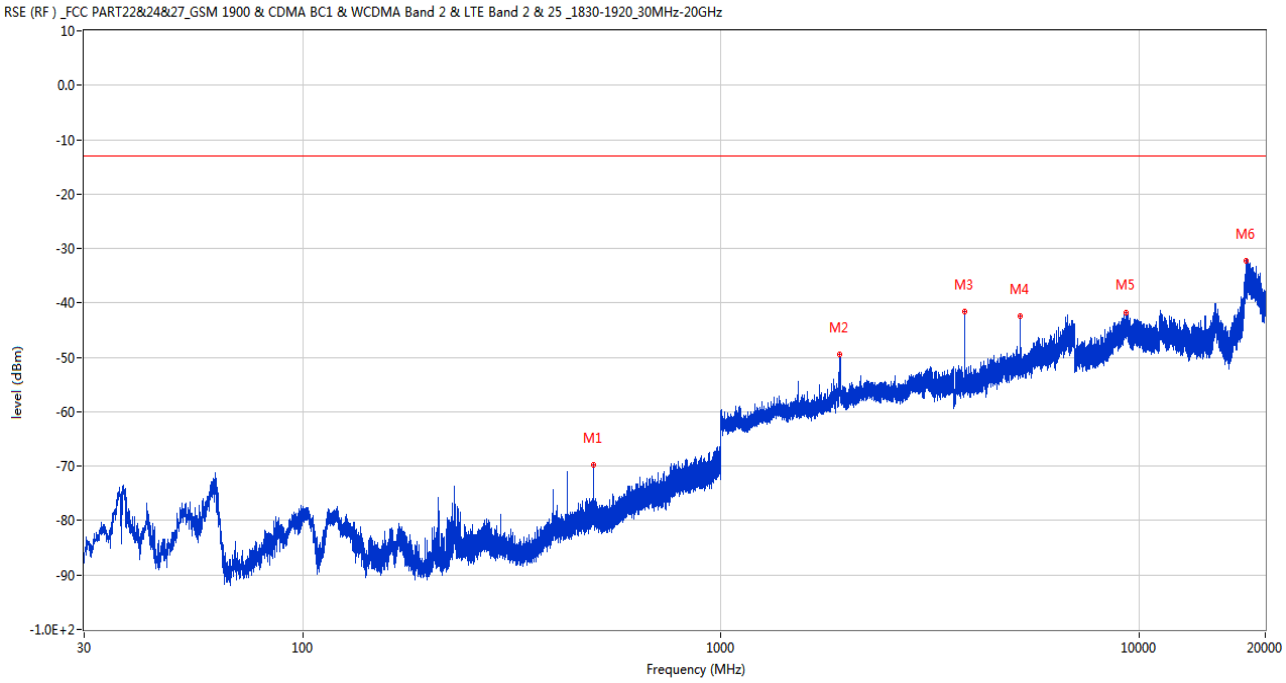
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
230.984	-70.17	-13.47	-13.0	57.17	180.00	Vertical	Horizontal	Pass
1959.900	-51.51	-1.42	-13.0	38.51	209.00	Vertical	Horizontal	N/A
3759.800	-43.79	5.57	-13.0	30.79	43.00	Vertical	Horizontal	Pass
6655.200	-42.55	16.35	-13.0	29.55	361.00	Vertical	Horizontal	Pass
11847.250	-41.04	35.04	-13.0	28.04	-1.00	Vertical	Horizontal	Pass
18105.573	-31.88	44.78	-13.0	18.88	92.00	Vertical	Horizontal	Pass

Band:EGPRS1900,Channel:HIGH range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1340.300	-56.76	-2.71	-13.0	43.76	8.00	Horizontal	Horizontal	Pass
1989.900	-50.05	-1.75	-13.0	37.05	141.00	Horizontal	Horizontal	N/A
3819.600	-44.26	5.08	-13.0	31.26	51.00	Horizontal	Horizontal	Pass
6945.600	-43.31	16.31	-13.0	30.31	207.00	Horizontal	Horizontal	Pass
11981.799	-40.61	34.77	-13.0	27.61	-1.00	Horizontal	Horizontal	Pass
18408.989	-31.93	44.02	-13.0	18.93	-3.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:HIGH range

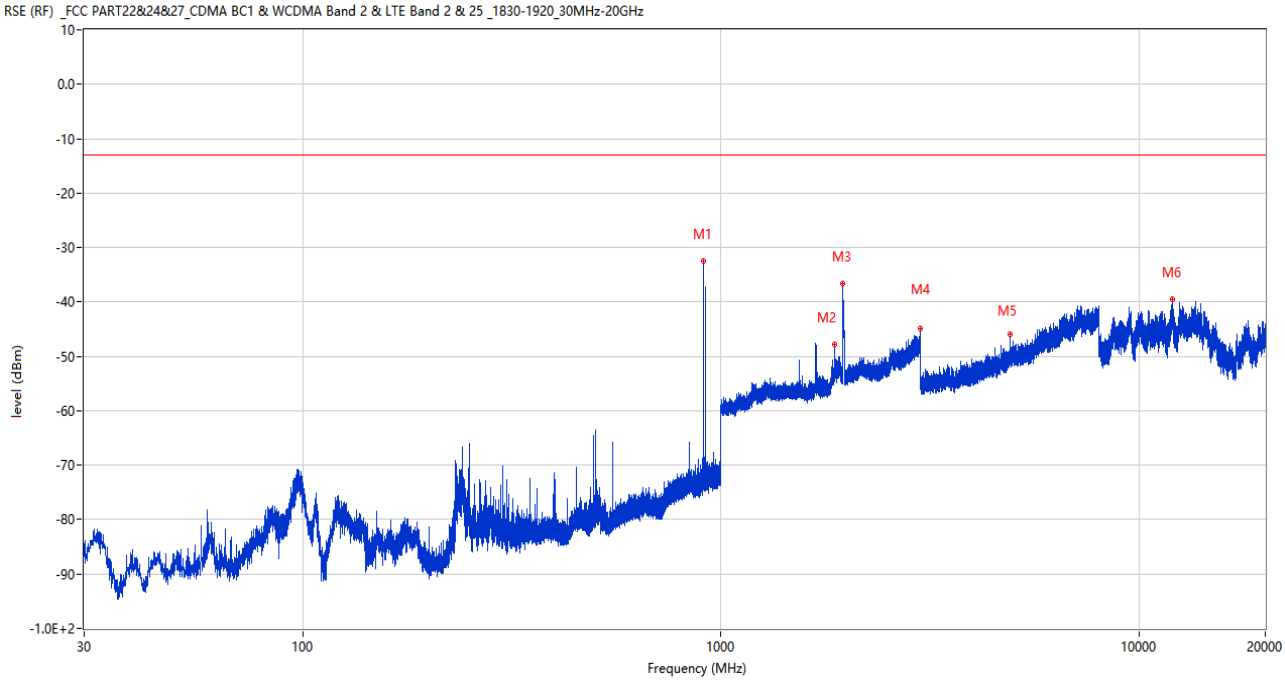


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
495.018	-69.73	-6.32	-13.0	56.73	288.00	Vertical	Horizontal	Pass
1915.700	-49.41	0.57	-13.0	36.41	98.00	Vertical	Horizontal	Pass
3819.400	-41.62	5.08	-13.0	28.62	93.00	Vertical	Horizontal	Pass
5188.000	-42.44	8.97	-13.0	29.44	219.00	Vertical	Horizontal	Pass
9304.313	-41.70	35.02	-13.0	28.70	263.00	Vertical	Horizontal	Pass
18034.887	-32.28	44.75	-13.0	19.28	267.00	Vertical	Horizontal	Pass

3. LTE CAT.M

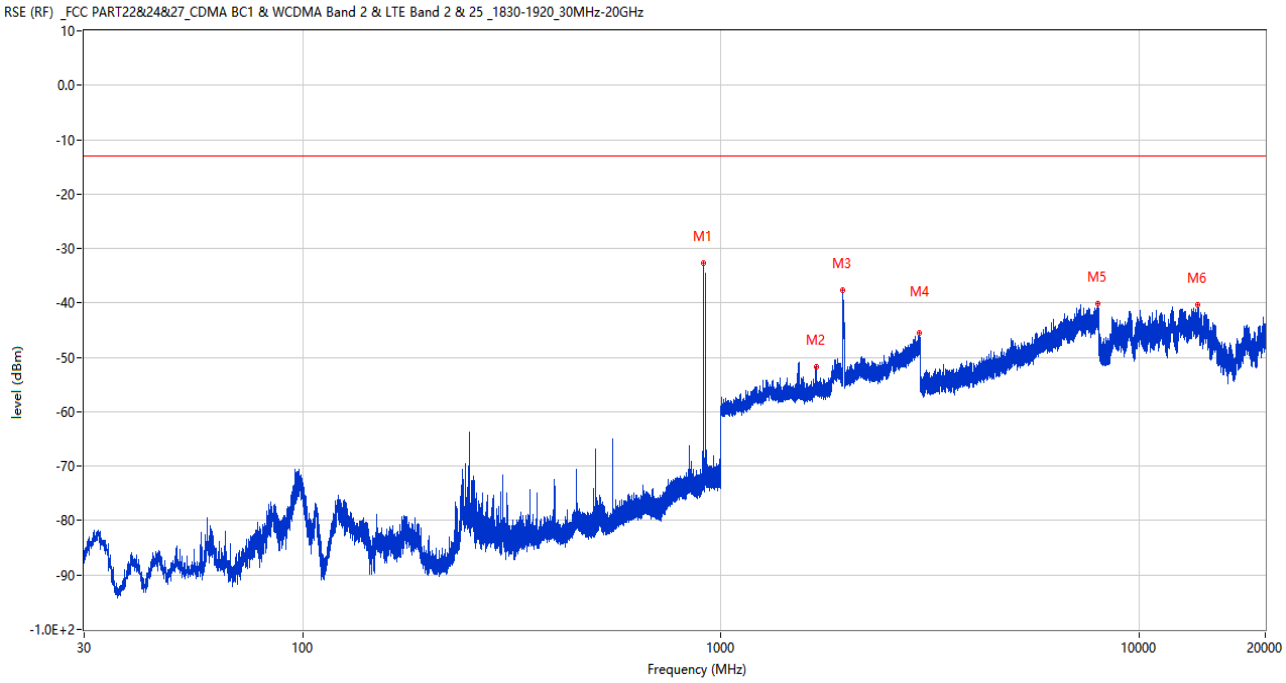
3.1 LTE-M1 Band 2

Band:CAT.M B2 ,Channel:MID range BW:20M



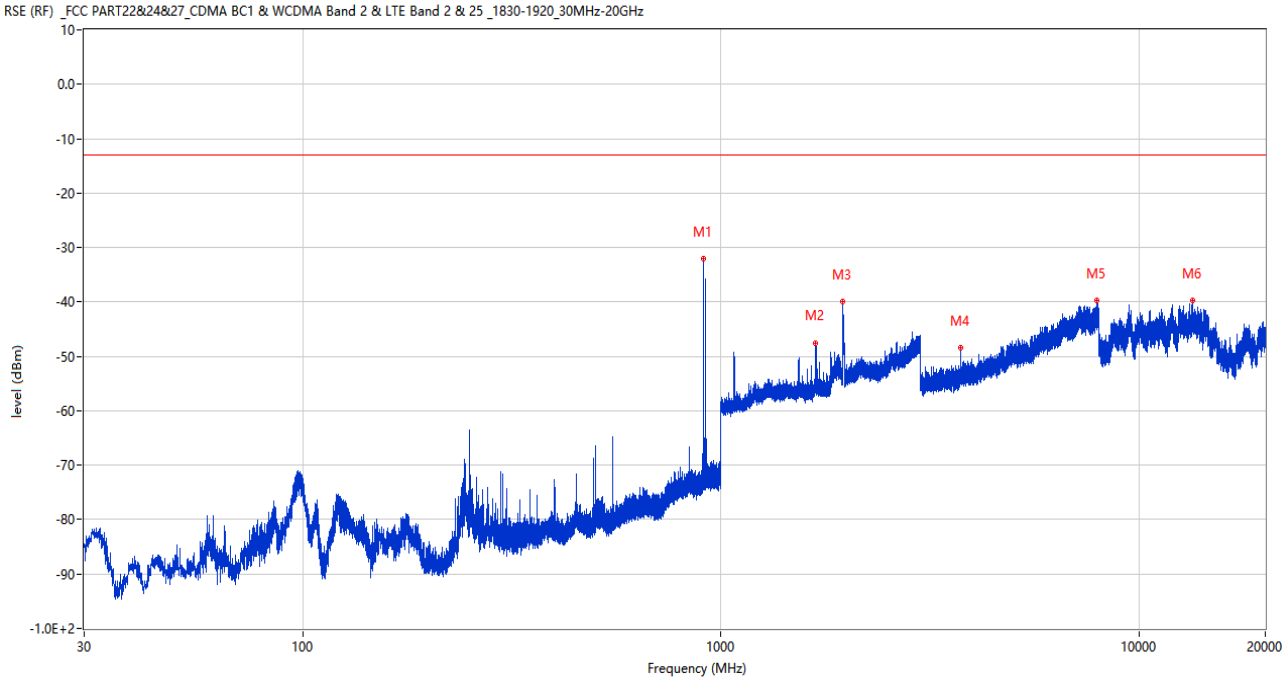
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-32.54	-0.07	-13.0	19.54	199.00	Horizontal	Horizontal	Pass
1872.200	-47.82	2.29	-13.0	34.82	271.00	Horizontal	Horizontal	N/A
1957.200	-36.70	1.07	-13.0	23.70	88.00	Horizontal	Horizontal	N/A
2996.900	-44.96	9.02	-13.0	31.96	59.00	Horizontal	Horizontal	Pass
4898.000	-45.97	8.30	-13.0	32.97	64.00	Horizontal	Horizontal	Pass
12004.013	-39.53	13.93	-13.0	26.53	110.00	Horizontal	Horizontal	Pass

Band:CAT.M B2 ,Channel:MID range BW:20M



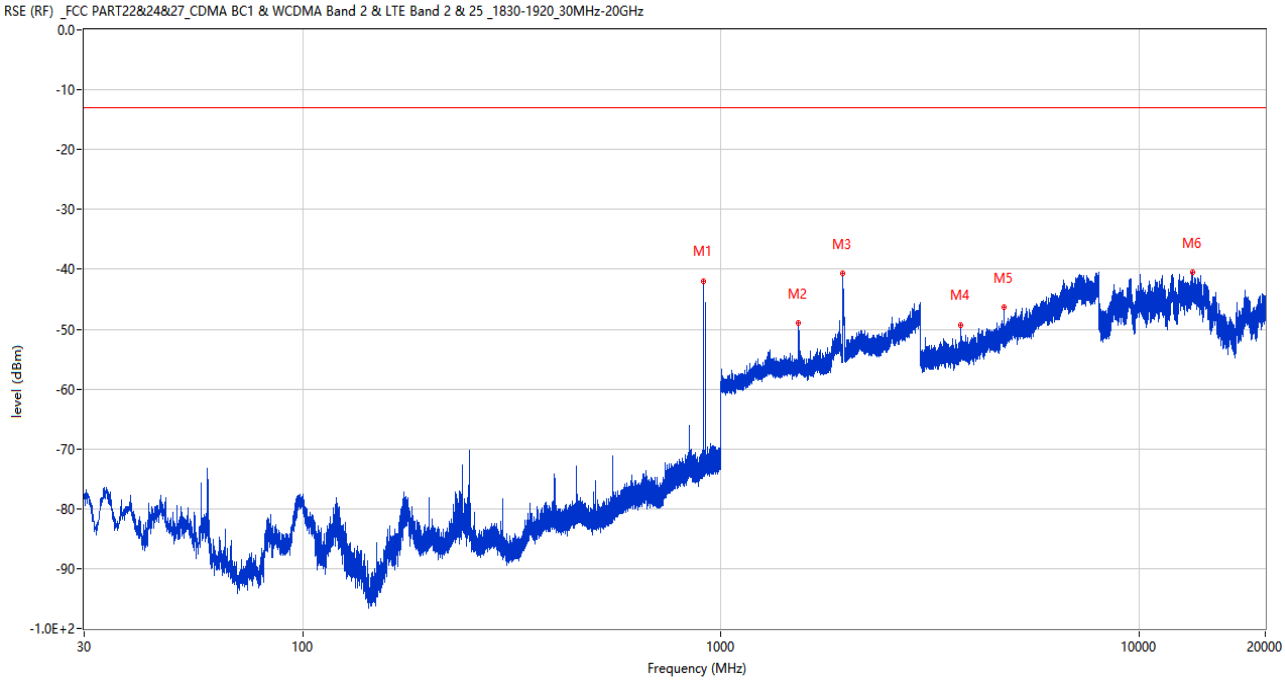
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.383	-32.75	-0.08	-13.0	19.75	199.00	Horizontal	Vertical	Pass
1685.400	-51.63	-0.17	-13.0	38.63	49.00	Horizontal	Vertical	Pass
1956.600	-37.64	1.14	-13.0	24.64	128.00	Horizontal	Vertical	N/A
2979.500	-45.44	9.09	-13.0	32.44	360.00	Horizontal	Vertical	Pass
7952.250	-40.18	14.86	-13.0	27.18	88.00	Horizontal	Vertical	Pass
13774.425	-40.44	15.83	-13.0	27.44	1.00	Horizontal	Vertical	Pass

Band:CAT.M B2 ,Channel:MID range BW:20M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-32.09	-0.07	-13.0	19.09	198.00	Vertical	Vertical	Pass
1685.200	-47.49	-0.18	-13.0	34.49	117.00	Vertical	Vertical	Pass
1957.000	-39.85	1.09	-13.0	26.85	69.00	Vertical	Vertical	N/A
3743.750	-48.35	5.05	-13.0	35.35	185.00	Vertical	Vertical	Pass
7928.000	-39.78	15.22	-13.0	26.78	360.00	Vertical	Vertical	Pass
13387.275	-39.69	16.70	-13.0	26.69	87.00	Vertical	Vertical	Pass

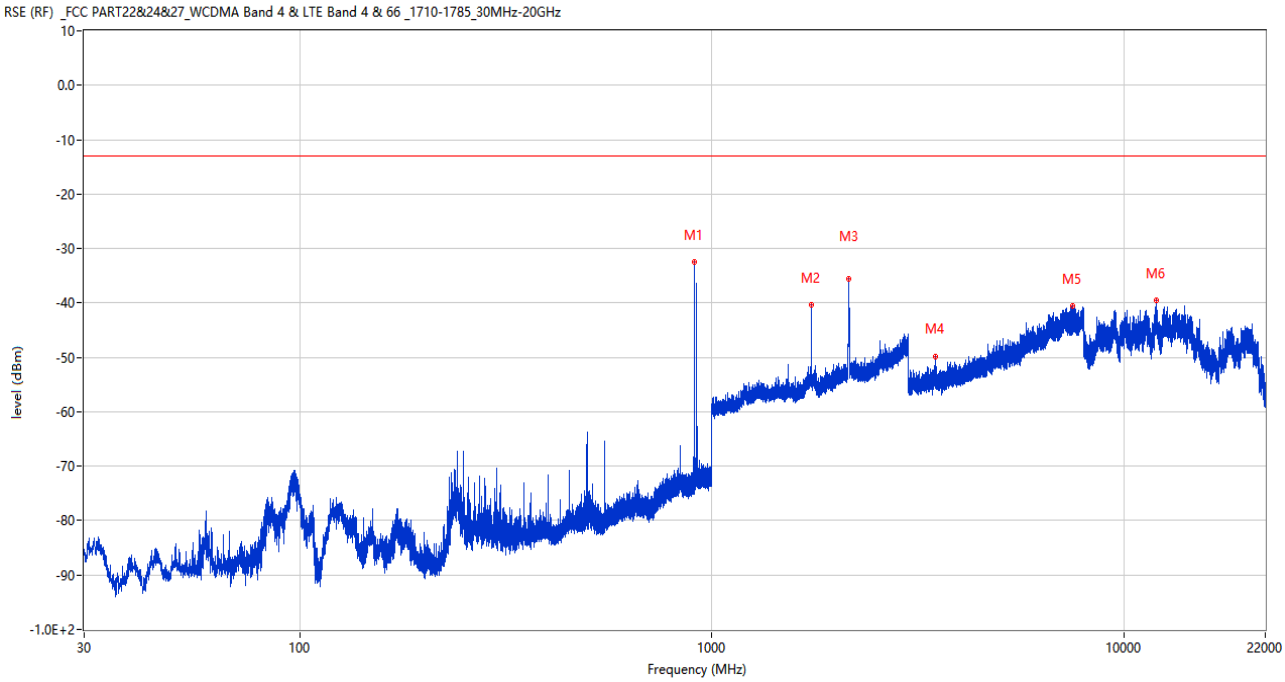
Band:CAT.M B2 ,Channel:MID range BW:20M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-41.99	-0.07	-13.0	28.99	0.00	Vertical	Horizontal	Pass
1533.400	-49.01	-1.40	-13.0	36.01	3.00	Vertical	Horizontal	Pass
1956.800	-40.72	1.11	-13.0	27.72	232.00	Vertical	Horizontal	N/A
3743.250	-49.31	5.05	-13.0	36.31	208.00	Vertical	Horizontal	Pass
4749.750	-46.34	7.56	-13.0	33.34	2.00	Vertical	Horizontal	Pass
13390.175	-40.57	16.70	-13.0	27.57	344.00	Vertical	Horizontal	Pass

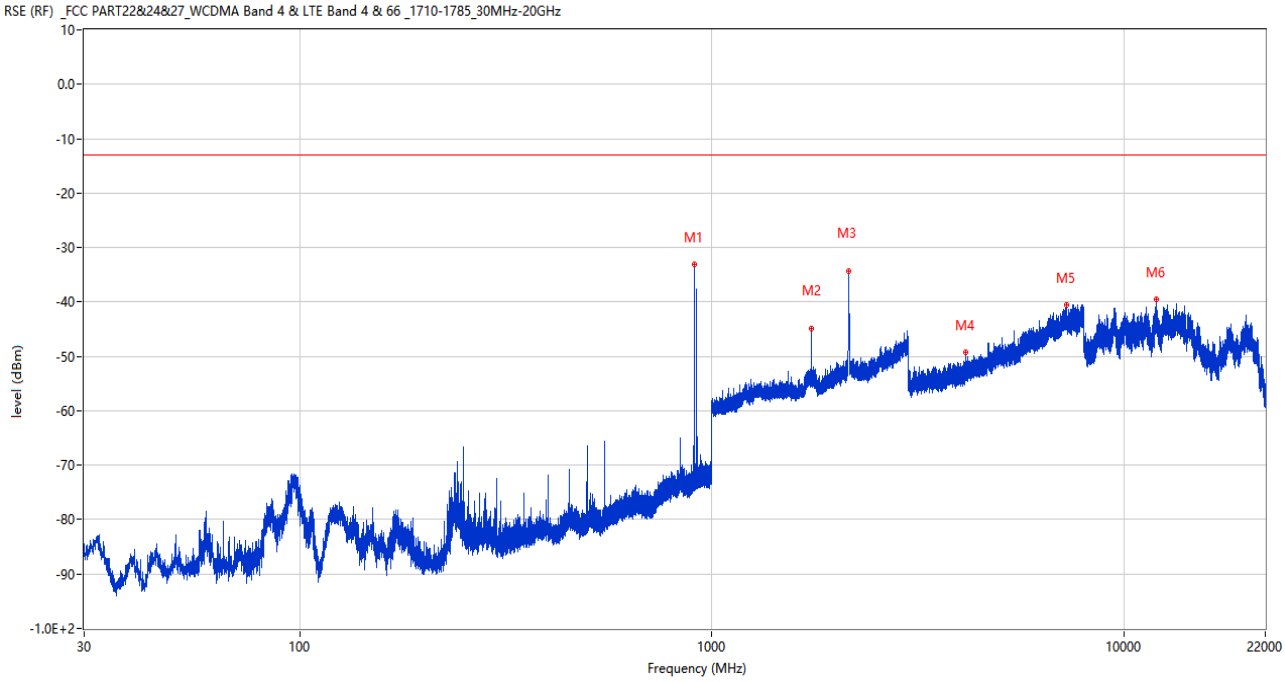
3.2 LTE-M1 Band 4

Band:CAT.M B4 ,Channel:HIGH range BW:15M



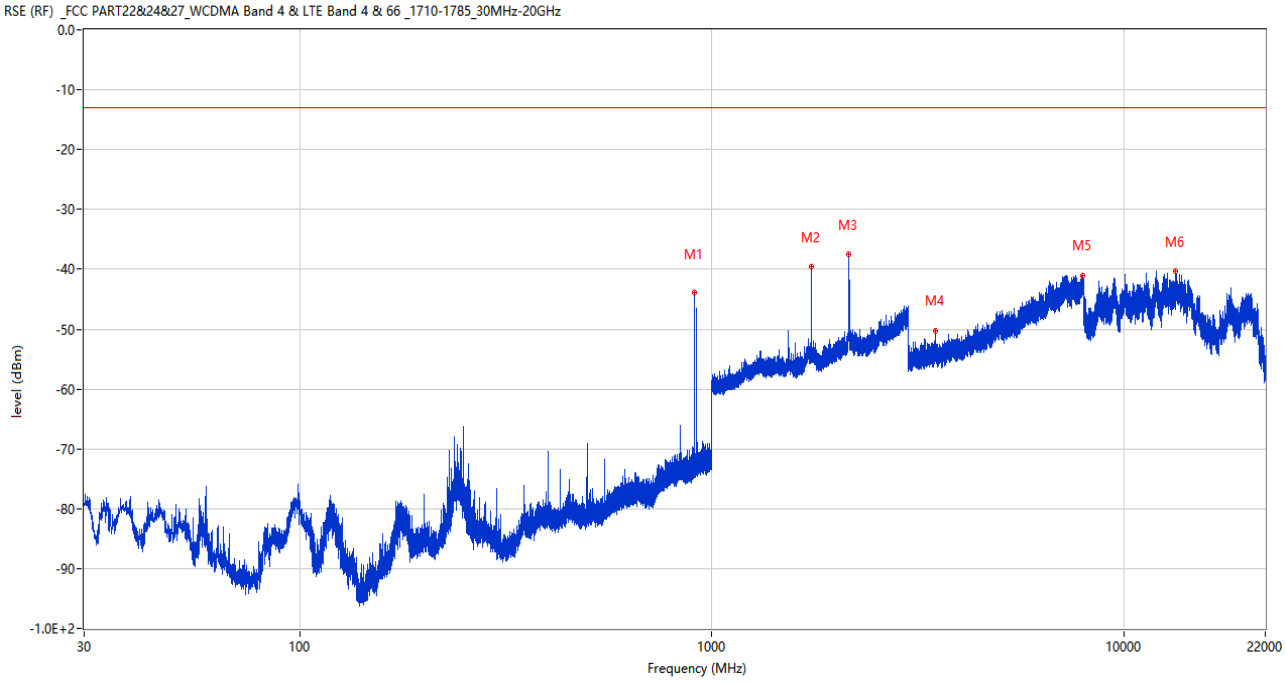
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-32.48	-0.07	-13.0	19.48	204.00	Horizontal	Horizontal	Pass
1741.800	-40.33	1.04	-13.0	27.33	80.00	Horizontal	Horizontal	N/A
2144.200	-35.67	3.15	-13.0	22.67	214.00	Horizontal	Horizontal	N/A
3482.750	-49.77	4.91	-13.0	36.77	258.00	Horizontal	Horizontal	Pass
7482.000	-40.48	14.38	-13.0	27.48	151.00	Horizontal	Horizontal	Pass
11983.825	-39.52	14.02	-13.0	26.52	343.00	Horizontal	Horizontal	Pass

Band:CAT.M B4 ,Channel:HIGH range BW:15M



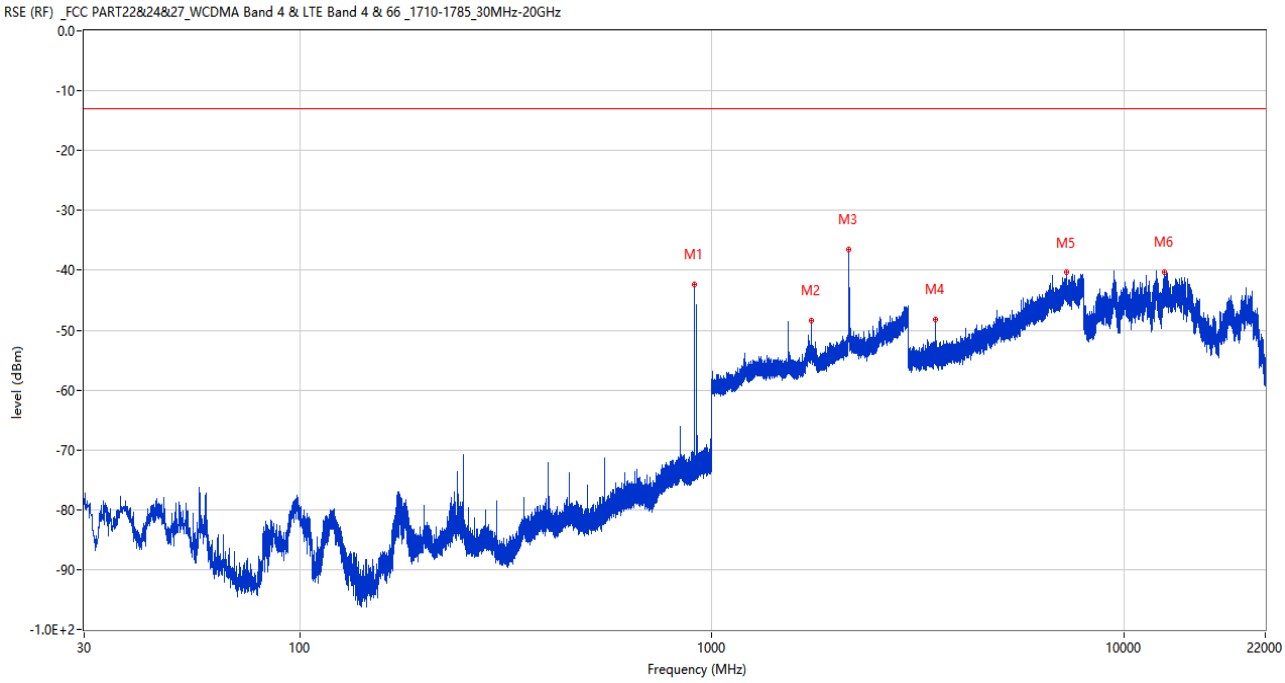
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-33.17	-0.07	-13.0	20.17	203.00	Horizontal	Vertical	Pass
1742.000	-44.99	1.04	-13.0	31.99	224.00	Horizontal	Vertical	N/A
2146.000	-34.35	3.12	-13.0	21.35	243.00	Horizontal	Vertical	N/A
4128.500	-49.21	6.93	-13.0	36.21	360.00	Horizontal	Vertical	Pass
7247.250	-40.51	14.96	-13.0	27.51	360.00	Horizontal	Vertical	Pass
11962.450	-39.58	14.03	-13.0	26.58	308.00	Horizontal	Vertical	Pass

Band:CAT.M B4 ,Channel:HIGH range BW:15M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.383	-43.92	-0.08	-13.0	30.92	143.00	Vertical	Vertical	Pass
1741.900	-39.60	1.04	-13.0	26.60	46.00	Vertical	Vertical	N/A
2145.700	-37.54	3.13	-13.0	24.54	46.00	Vertical	Vertical	N/A
3482.750	-50.27	4.91	-13.0	37.27	96.00	Vertical	Vertical	Pass
7930.000	-40.98	15.18	-13.0	27.98	292.00	Vertical	Vertical	Pass
13348.013	-40.39	16.70	-13.0	27.39	225.00	Vertical	Vertical	Pass

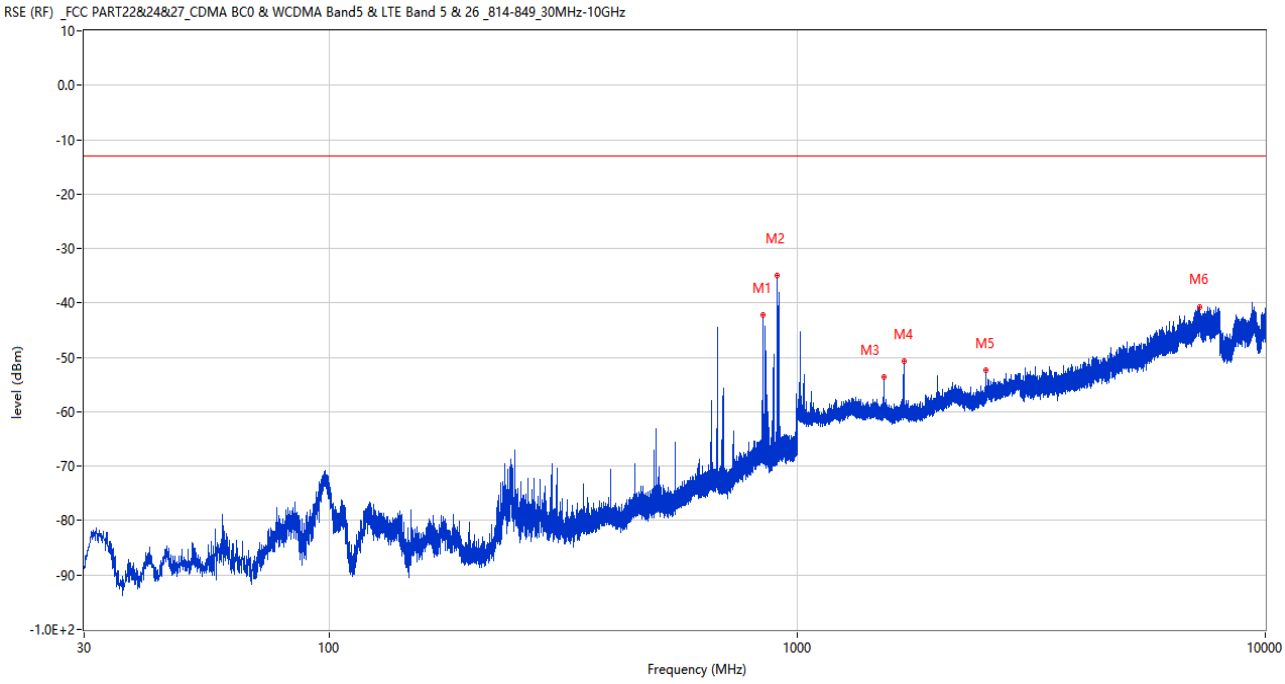
Band:CAT.M B4 ,Channel:HIGH range BW:15M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
908.432	-42.36	-0.07	-13.0	29.36	5.00	Vertical	Horizontal	Pass
1741.900	-48.38	1.04	-13.0	35.38	234.00	Vertical	Horizontal	N/A
2148.400	-36.50	3.04	-13.0	23.50	51.00	Vertical	Horizontal	N/A
3482.500	-48.19	4.91	-13.0	35.19	160.00	Vertical	Horizontal	Pass
7247.750	-40.38	14.92	-13.0	27.38	276.00	Vertical	Horizontal	Pass
12501.338	-40.23	14.59	-13.0	27.23	200.00	Vertical	Horizontal	Pass

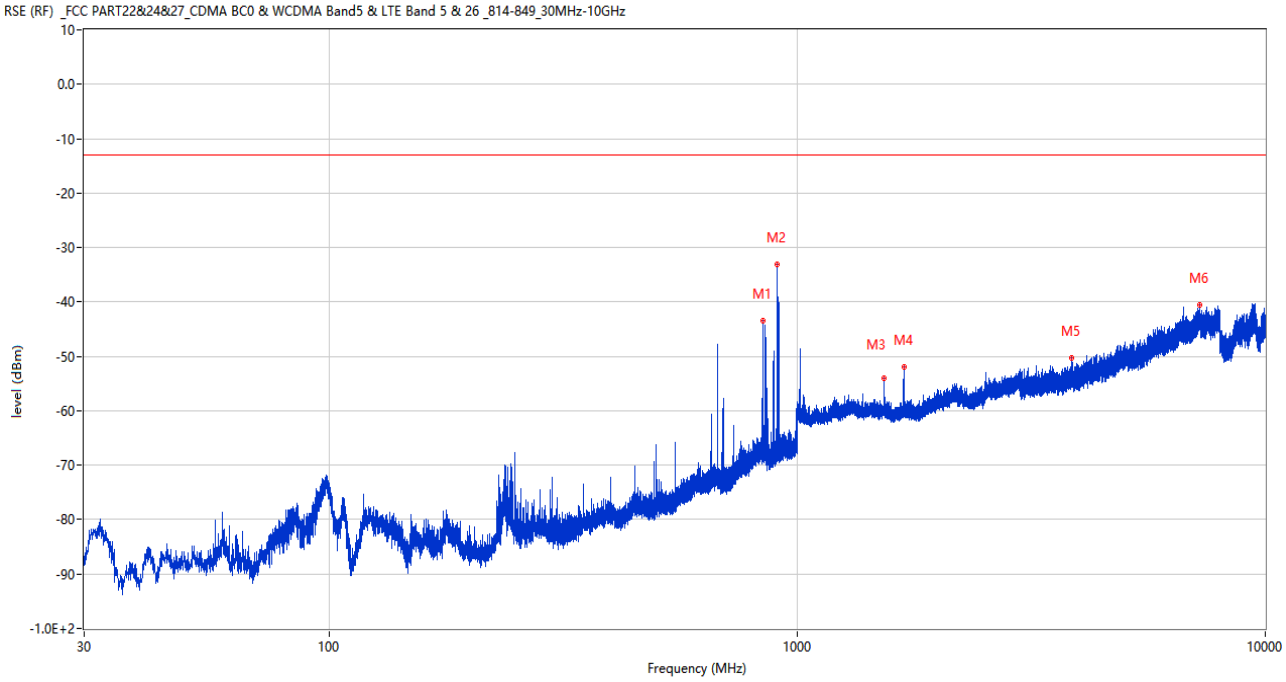
3.3 LTE-M1 Band 5

Band:CAT.M B5 ,Channel:HIGH range BW:5M



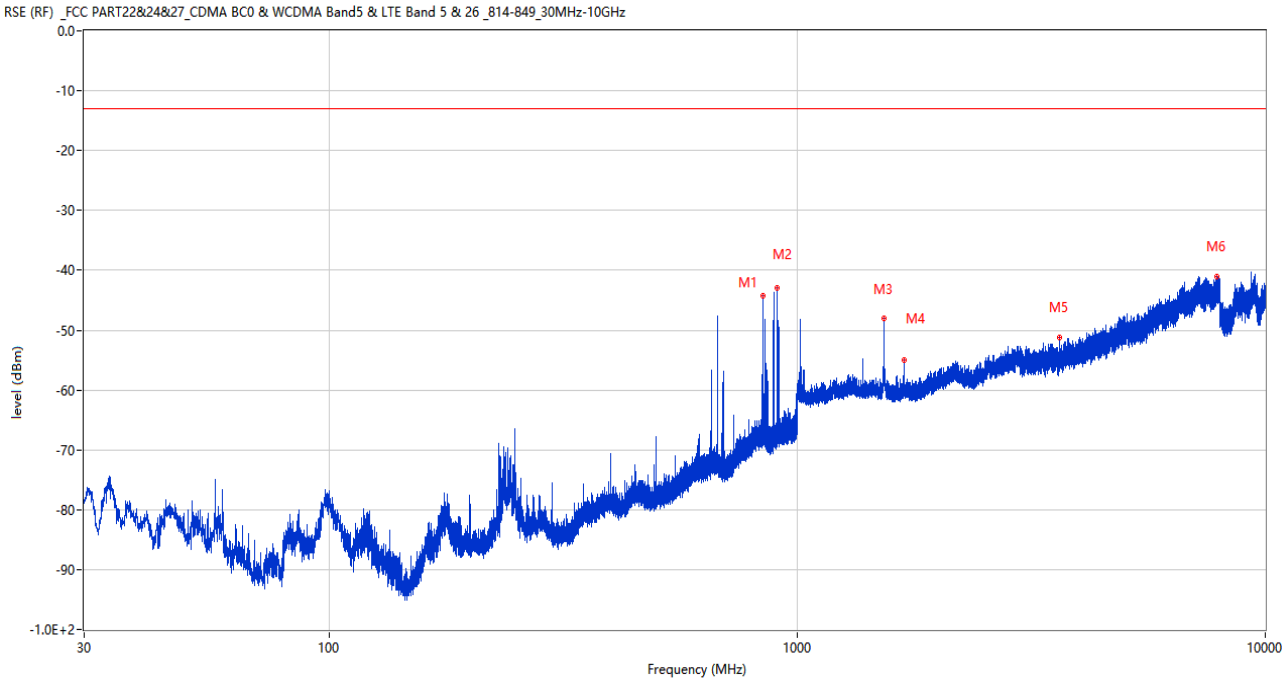
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
844.412	-42.15	5.70	-13.0	29.15	237.00	Horizontal	Horizontal	N/A
908.432	-34.89	5.27	-13.0	21.89	189.00	Horizontal	Horizontal	Pass
1533.500	-53.64	-5.47	-13.0	40.64	225.00	Horizontal	Horizontal	Pass
1689.500	-50.65	-5.15	-13.0	37.65	338.00	Horizontal	Horizontal	Pass
2533.600	-52.36	-0.50	-13.0	39.36	82.00	Horizontal	Horizontal	Pass
7234.500	-40.65	14.79	-13.0	27.65	360.00	Horizontal	Horizontal	Pass

Band:CAT.M B5 ,Channel:HIGH range BW:5M



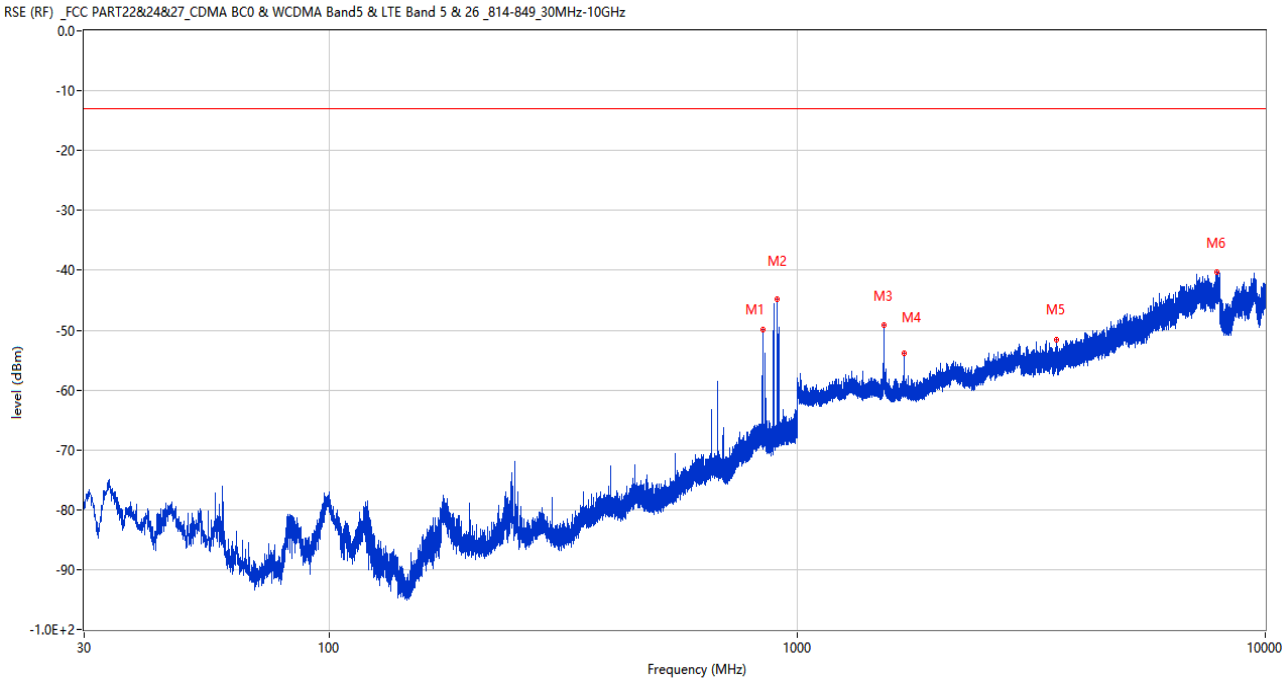
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
844.315	-43.41	5.70	-13.0	30.41	321.00	Horizontal	Vertical	N/A
908.432	-33.16	5.27	-13.0	20.16	206.00	Horizontal	Vertical	Pass
1533.700	-53.97	-5.46	-13.0	40.97	225.00	Horizontal	Vertical	Pass
1689.400	-51.85	-5.15	-13.0	38.85	286.00	Horizontal	Vertical	Pass
3853.000	-50.35	6.50	-13.0	37.35	13.00	Horizontal	Vertical	Pass
7246.500	-40.57	14.97	-13.0	27.57	63.00	Horizontal	Vertical	Pass

Band:CAT.M B5 ,Channel:HIGH range BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
844.364	-44.18	5.70	-13.0	31.18	184.00	Vertical	Vertical	N/A
908.432	-42.84	5.27	-13.0	29.84	146.00	Vertical	Vertical	Pass
1533.900	-48.11	-5.45	-13.0	35.11	179.00	Vertical	Vertical	Pass
1689.600	-55.02	-5.15	-13.0	42.02	236.00	Vertical	Vertical	Pass
3634.750	-51.15	5.16	-13.0	38.15	265.00	Vertical	Vertical	Pass
7871.250	-40.98	14.65	-13.0	27.98	265.00	Vertical	Vertical	Pass

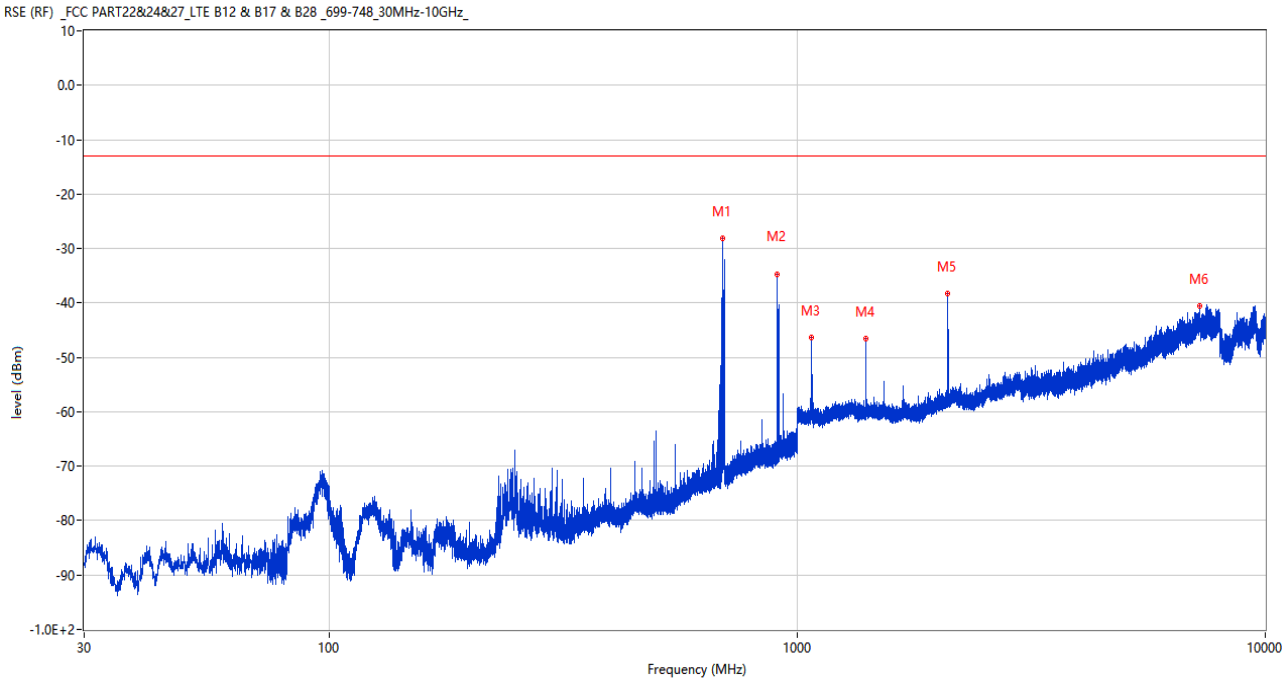
Band:CAT.M B5 ,Channel:HIGH range BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
844.266	-49.83	5.70	-13.0	36.83	189.00	Vertical	Horizontal	N/A
908.383	-44.81	5.26	-13.0	31.81	273.00	Vertical	Horizontal	Pass
1533.800	-49.18	-5.45	-13.0	36.18	211.00	Vertical	Horizontal	Pass
1689.600	-53.80	-5.15	-13.0	40.80	249.00	Vertical	Horizontal	Pass
3573.750	-51.56	5.59	-13.0	38.56	299.00	Vertical	Horizontal	Pass
7874.500	-40.39	14.83	-13.0	27.39	162.00	Vertical	Horizontal	Pass

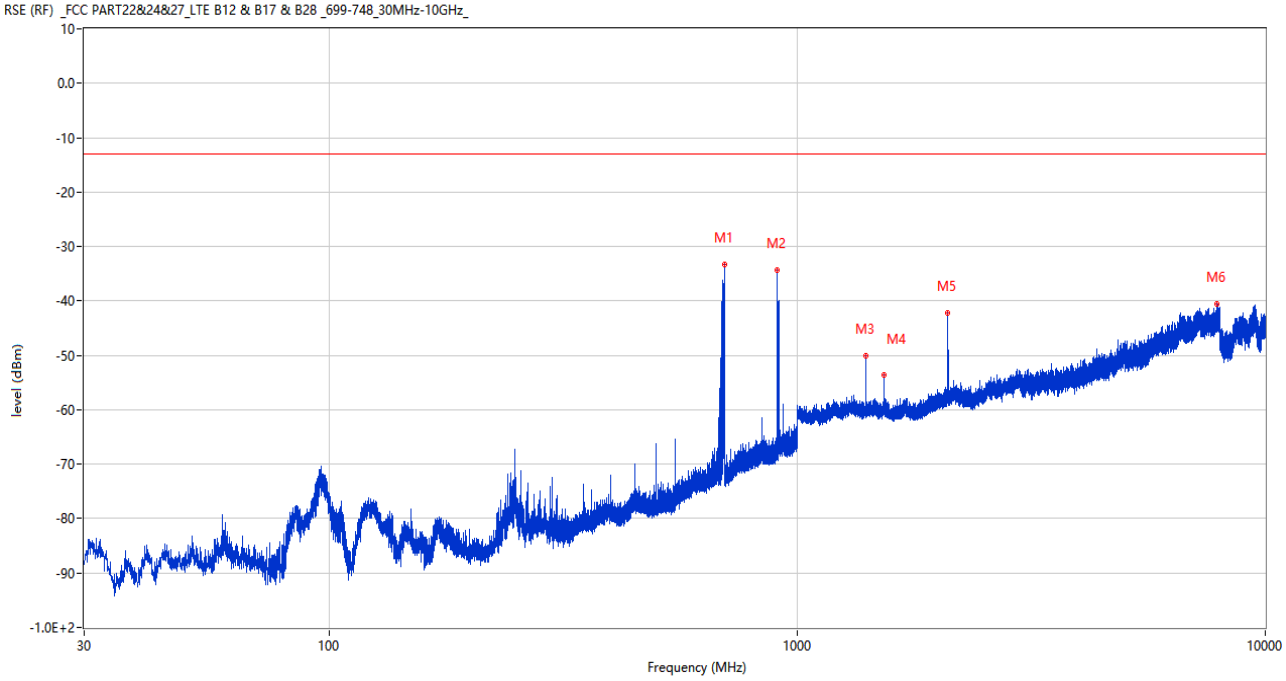
3.4 LTE-M1 Band 12

Band:CAT.M B12 ,Channel:LOW range BW:10M



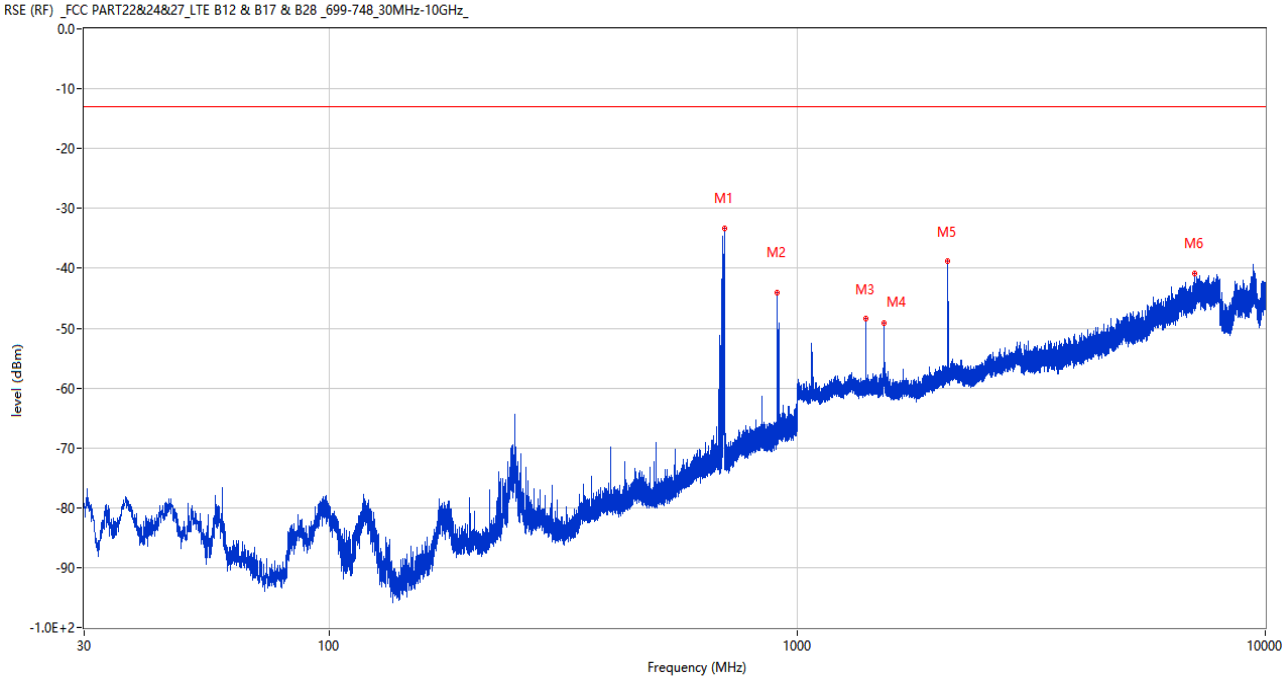
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
693.431	-28.21	1.17	-13.0	15.21	327.00	Horizontal	Horizontal	N/A
908.383	-34.79	5.52	-13.0	21.79	205.00	Horizontal	Horizontal	Pass
1073.700	-46.31	-5.88	-13.0	33.31	267.00	Horizontal	Horizontal	Pass
1400.500	-46.51	-5.30	-13.0	33.51	295.00	Horizontal	Horizontal	Pass
2100.200	-38.27	-2.46	-13.0	25.27	272.00	Horizontal	Horizontal	Pass
7259.750	-40.63	14.55	-13.0	27.63	244.00	Horizontal	Horizontal	Pass

Band:CAT.M B12 ,Channel:LOW range BW:10M



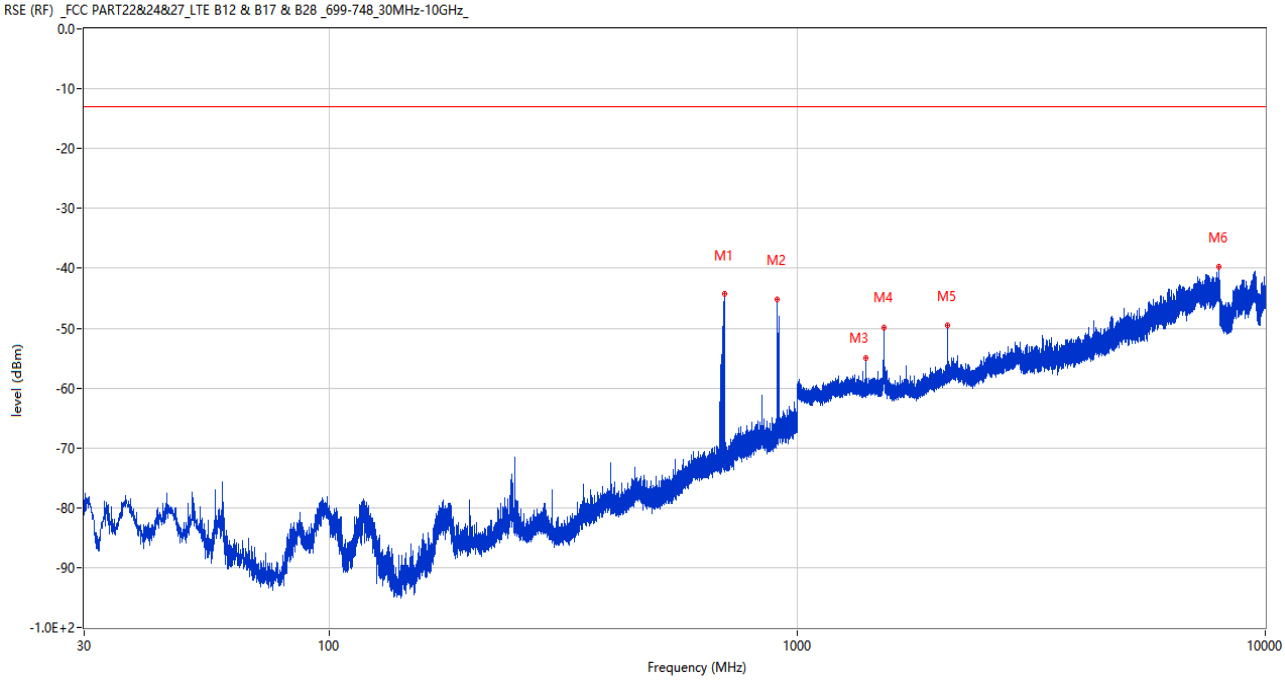
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
699.785	-33.32	1.35	-13.0	20.32	248.00	Horizontal	Vertical	N/A
908.432	-34.36	5.54	-13.0	21.36	203.00	Horizontal	Vertical	Pass
1400.600	-50.03	-5.30	-13.0	37.03	185.00	Horizontal	Vertical	Pass
1533.300	-53.52	-5.46	-13.0	40.52	228.00	Horizontal	Vertical	Pass
2100.100	-42.29	-2.47	-13.0	29.29	199.00	Horizontal	Vertical	Pass
7888.000	-40.51	14.91	-13.0	27.51	318.00	Horizontal	Vertical	Pass

Band:CAT.M B12 ,Channel:LOW range BW:10M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
699.737	-33.26	1.36	-13.0	20.26	150.00	Vertical	Vertical	N/A
908.383	-44.10	5.52	-13.0	31.10	278.00	Vertical	Vertical	Pass
1400.400	-48.43	-5.30	-13.0	35.43	175.00	Vertical	Vertical	Pass
1533.400	-49.17	-5.47	-13.0	36.17	1.00	Vertical	Vertical	Pass
2100.100	-38.86	-2.47	-13.0	25.86	254.00	Vertical	Vertical	Pass
7078.750	-40.83	13.63	-13.0	27.83	198.00	Vertical	Vertical	Pass

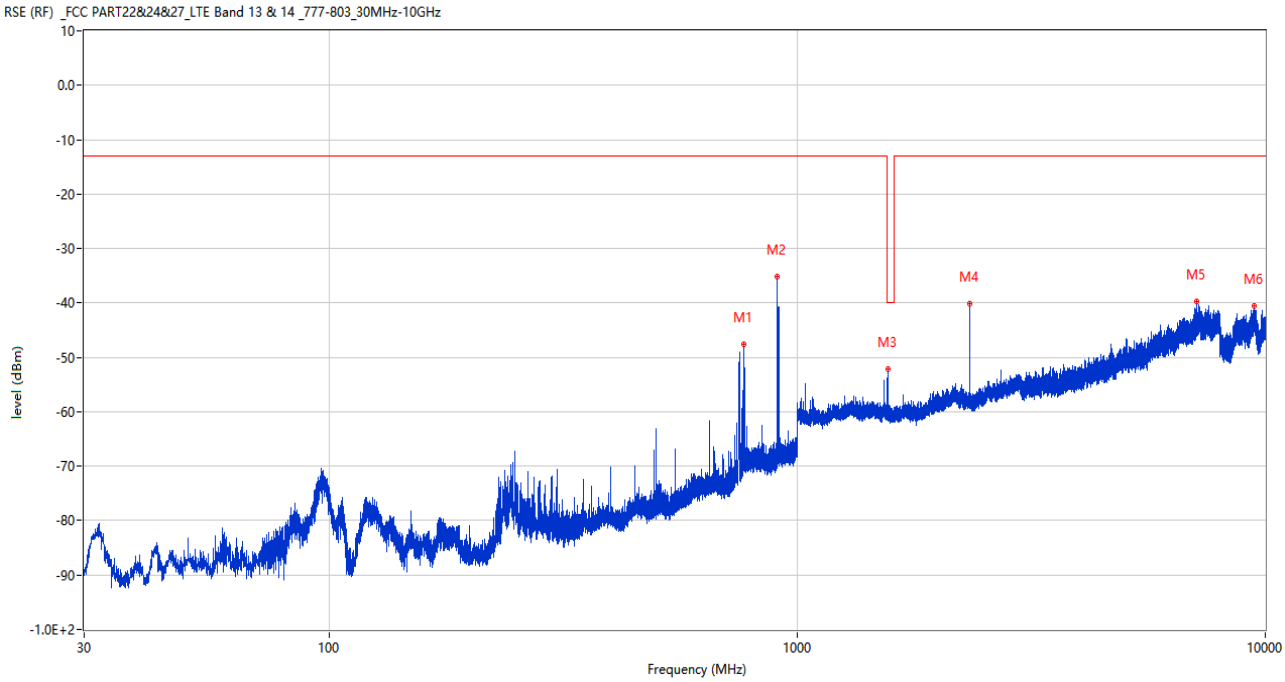
Band:CAT.M B12 ,Channel:LOW range BW:10M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
699.737	-44.18	1.36	-13.0	31.18	52.00	Vertical	Horizontal	N/A
908.432	-45.24	5.54	-13.0	32.24	266.00	Vertical	Horizontal	Pass
1400.600	-55.00	-5.30	-13.0	42.00	26.00	Vertical	Horizontal	Pass
1533.300	-49.84	-5.46	-13.0	36.84	1.00	Vertical	Horizontal	Pass
2100.000	-49.60	-2.49	-13.0	36.60	233.00	Vertical	Horizontal	Pass
7946.500	-39.80	14.95	-13.0	26.80	188.00	Vertical	Horizontal	Pass

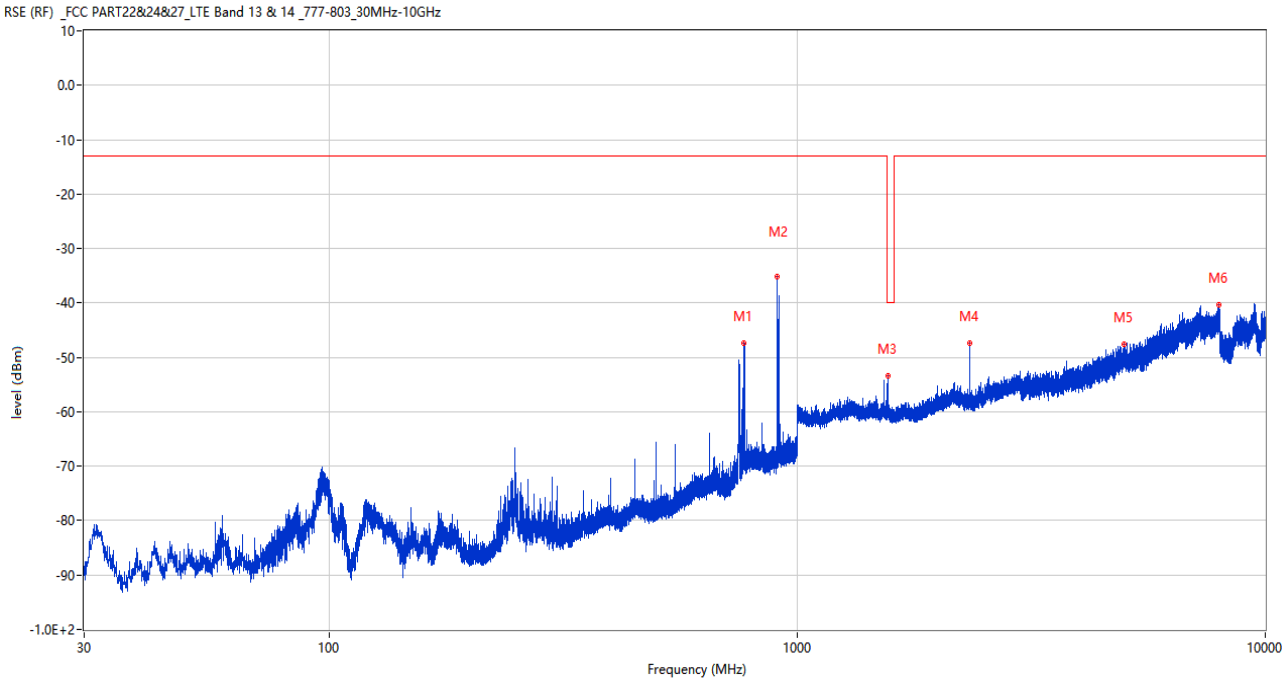
3.5 LTE-M1 Band 13

Band:CAT.M B13 ,Channel:MID range BW:5M



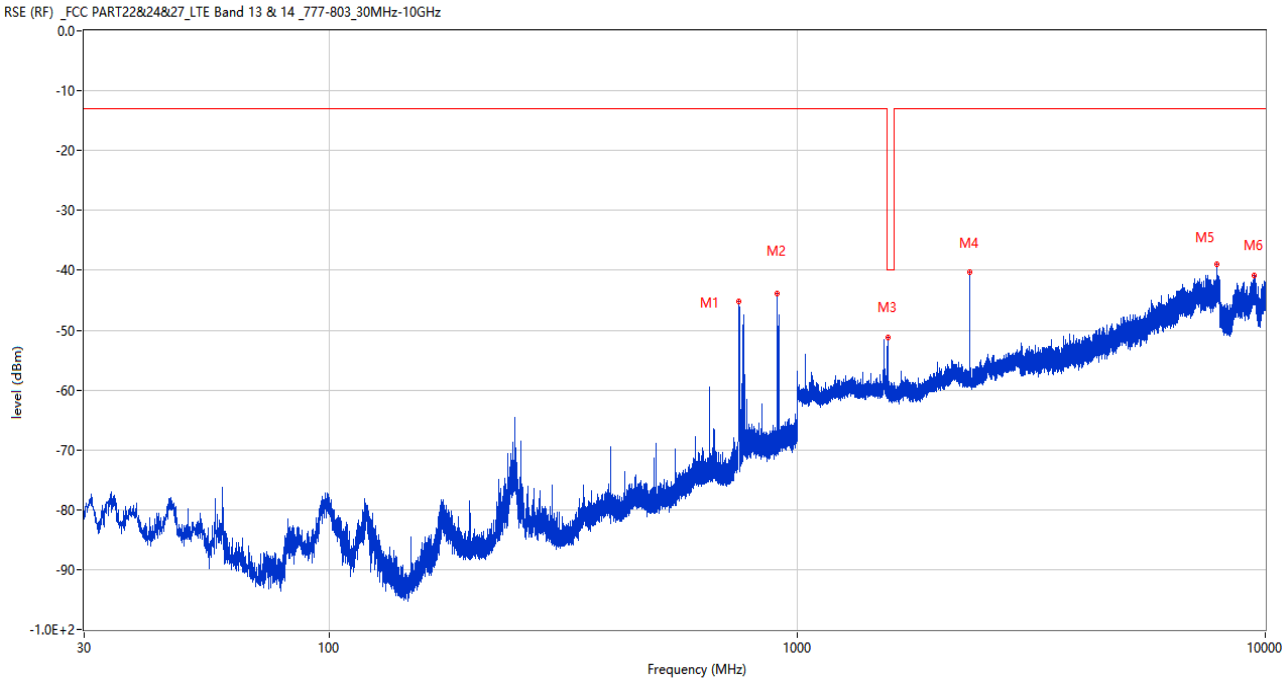
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
768.364	-47.69	3.51	-13.0	34.69	222.00	Horizontal	Horizontal	N/A
908.432	-35.21	4.45	-13.0	22.21	200.00	Horizontal	Horizontal	Pass
1560.400	-52.10	-5.58	-40.0	12.10	206.00	Horizontal	Horizontal	Pass
2340.300	-40.20	-2.12	-13.0	27.20	116.00	Horizontal	Horizontal	Pass
7142.500	-39.80	14.16	-13.0	26.80	71.00	Horizontal	Horizontal	Pass
9463.599	-40.63	13.49	-13.0	27.63	0.00	Horizontal	Horizontal	Pass

Band:CAT.M B13 ,Channel:MID range BW:5M



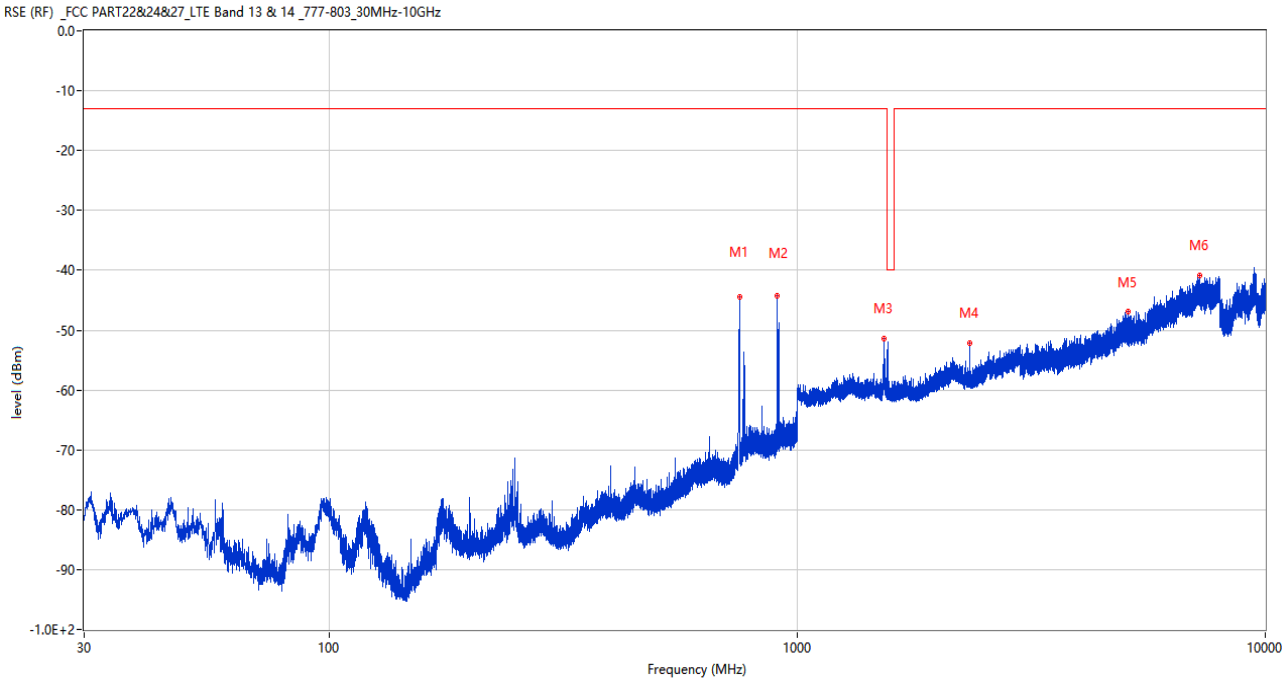
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
770.886	-47.31	3.59	-13.0	34.31	344.00	Horizontal	Vertical	N/A
908.383	-35.11	4.43	-13.0	22.11	200.00	Horizontal	Vertical	Pass
1560.400	-53.41	-5.58	-40.0	13.41	321.00	Horizontal	Vertical	Pass
2340.100	-47.44	-2.11	-13.0	34.44	247.00	Horizontal	Vertical	Pass
4997.250	-47.65	9.16	-13.0	34.65	140.00	Horizontal	Vertical	Pass
7965.500	-40.30	14.69	-13.0	27.30	54.00	Horizontal	Vertical	Pass

Band:CAT.M B13 ,Channel:MID range BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
751.389	-45.26	1.60	-13.0	32.26	3.00	Vertical	Vertical	N/A
908.432	-43.89	4.45	-13.0	30.89	280.00	Vertical	Vertical	Pass
1560.700	-51.15	-5.54	-40.0	11.15	224.00	Vertical	Vertical	Pass
2340.300	-40.33	-2.12	-13.0	27.33	234.00	Vertical	Vertical	Pass
7873.000	-38.98	14.77	-13.0	25.98	112.00	Vertical	Vertical	Pass
9469.600	-40.79	13.36	-13.0	27.79	116.00	Vertical	Vertical	Pass

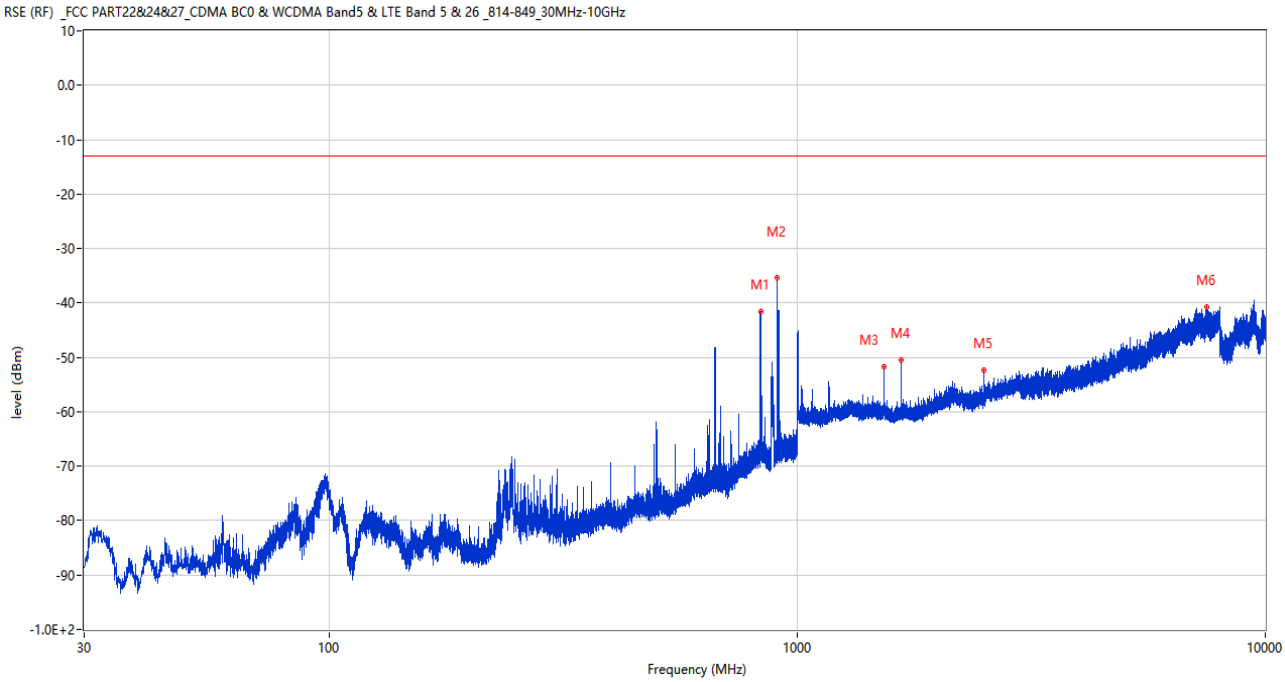
Band:CAT.M B13 ,Channel:MID range BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
753.135	-44.44	1.63	-13.0	31.44	2.00	Vertical	Horizontal	N/A
908.432	-44.19	4.45	-13.0	31.19	352.00	Vertical	Horizontal	Pass
1533.600	-51.38	-5.47	-13.0	38.38	1.00	Vertical	Horizontal	Pass
2340.300	-52.09	-2.12	-13.0	39.09	26.00	Vertical	Horizontal	Pass
5088.750	-46.93	9.17	-13.0	33.93	199.00	Vertical	Horizontal	Pass
7257.000	-40.85	14.65	-13.0	27.85	165.00	Vertical	Horizontal	Pass

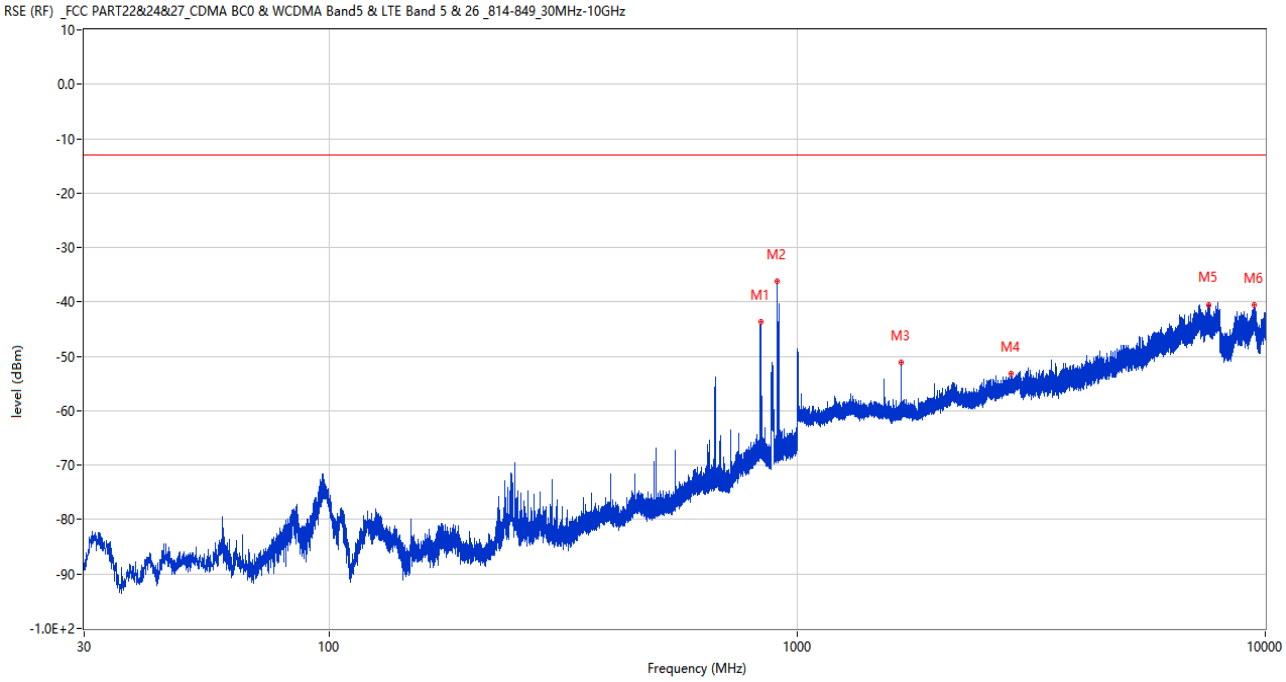
3.6 LTE-M1 Band 26 (part22)

Band:CAT.M B26 ,Channel:HIGH range BW:15M



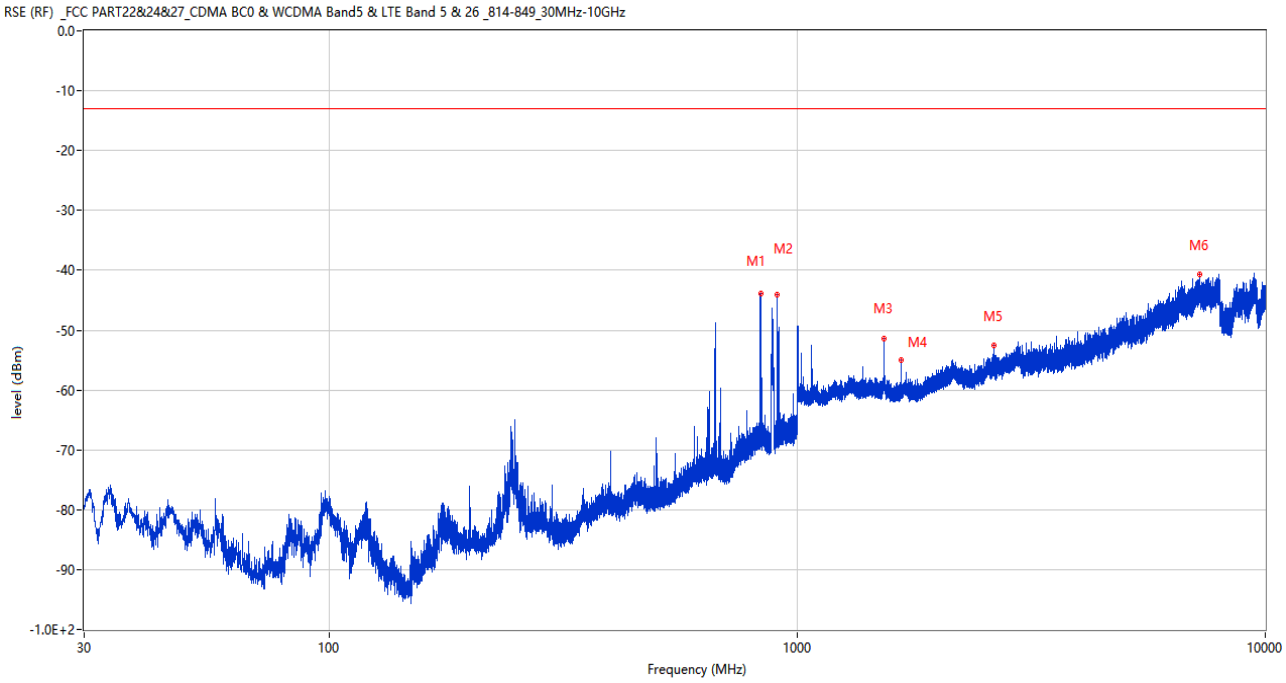
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
835.052	-41.56	5.64	-13.0	28.56	284.00	Horizontal	Horizontal	N/A
908.432	-35.43	5.27	-13.0	22.43	206.00	Horizontal	Horizontal	Pass
1533.500	-51.79	-5.47	-13.0	38.79	211.00	Horizontal	Horizontal	Pass
1670.900	-50.48	-5.54	-13.0	37.48	324.00	Horizontal	Horizontal	Pass
2505.900	-52.38	-1.32	-13.0	39.38	207.00	Horizontal	Horizontal	Pass
7497.750	-40.81	13.68	-13.0	27.81	199.00	Horizontal	Horizontal	Pass

Band:CAT.M B26 ,Channel:HIGH range BW:15M



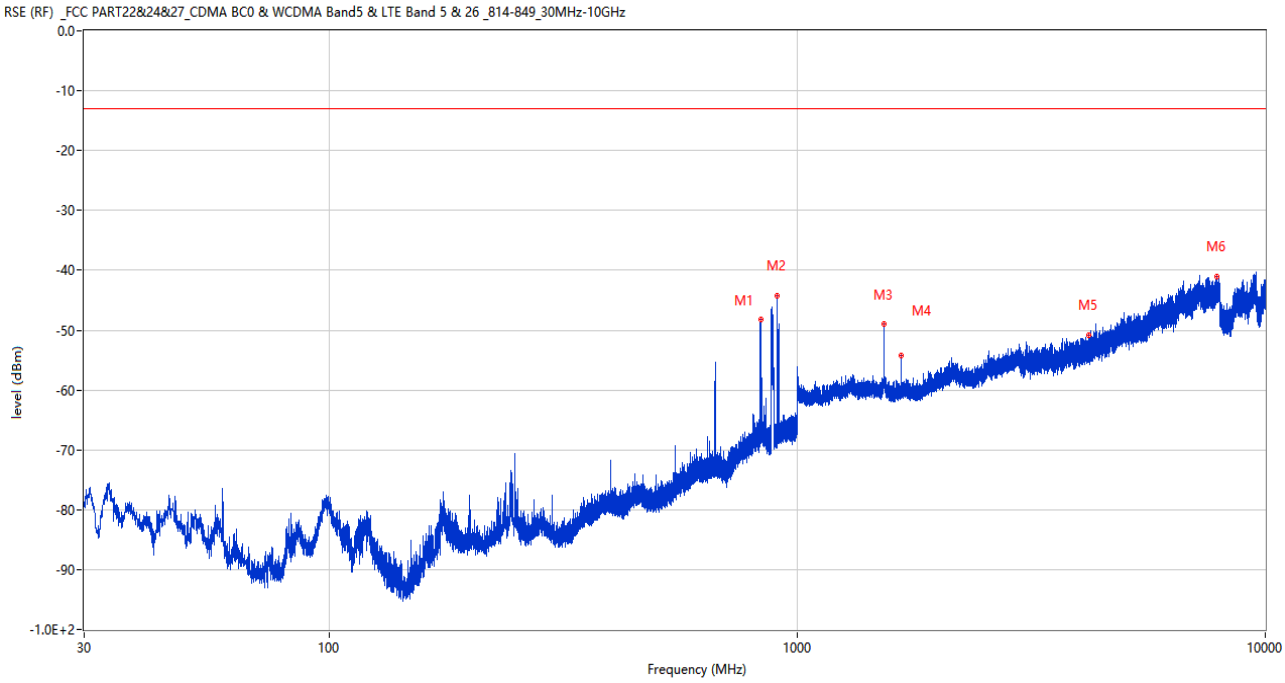
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
835.052	-43.61	5.64	-13.0	30.61	94.00	Horizontal	Vertical	N/A
908.383	-36.23	5.26	-13.0	23.23	206.00	Horizontal	Vertical	Pass
1670.800	-51.15	-5.54	-13.0	38.15	325.00	Horizontal	Vertical	Pass
2869.600	-53.16	0.83	-13.0	40.16	1.00	Horizontal	Vertical	Pass
7561.750	-40.46	13.73	-13.0	27.46	203.00	Horizontal	Vertical	Pass
9471.100	-40.61	13.33	-13.0	27.61	0.00	Horizontal	Vertical	Pass

Band:CAT.M B26 ,Channel:HIGH range BW:15M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
835.100	-43.86	5.65	-13.0	30.86	70.00	Vertical	Vertical	N/A
908.432	-44.05	5.27	-13.0	31.05	337.00	Vertical	Vertical	Pass
1533.800	-51.33	-5.45	-13.0	38.33	150.00	Vertical	Vertical	Pass
1670.800	-54.90	-5.54	-13.0	41.90	171.00	Vertical	Vertical	Pass
2630.500	-52.55	0.38	-13.0	39.55	1.00	Vertical	Vertical	Pass
7234.000	-40.74	14.79	-13.0	27.74	142.00	Vertical	Vertical	Pass

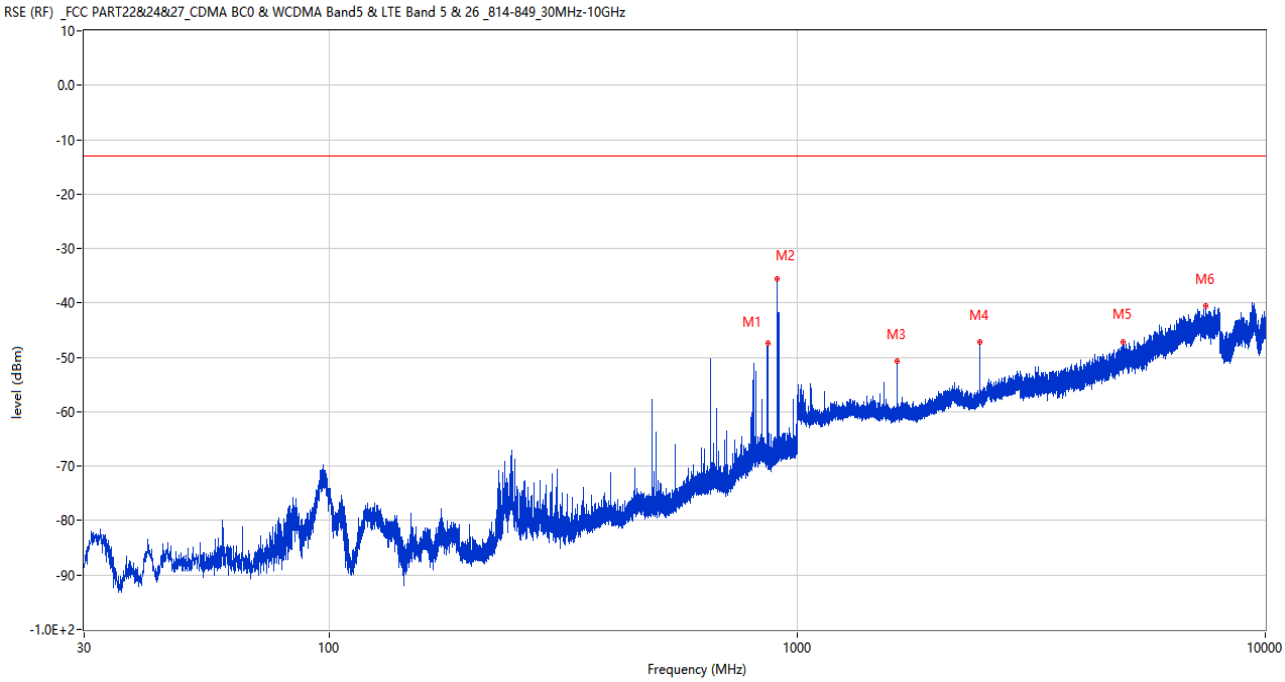
Band:CAT.M B26 ,Channel:HIGH range BW:15M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
835.052	-48.27	5.64	-13.0	35.27	207.00	Vertical	Horizontal	N/A
908.383	-44.26	5.26	-13.0	31.26	337.00	Vertical	Horizontal	Pass
1533.900	-48.99	-5.45	-13.0	35.99	7.00	Vertical	Horizontal	Pass
1670.900	-54.23	-5.54	-13.0	41.23	239.00	Vertical	Horizontal	Pass
4196.750	-50.76	6.68	-13.0	37.76	29.00	Vertical	Horizontal	Pass
7878.750	-41.03	14.97	-13.0	28.03	350.00	Vertical	Horizontal	Pass

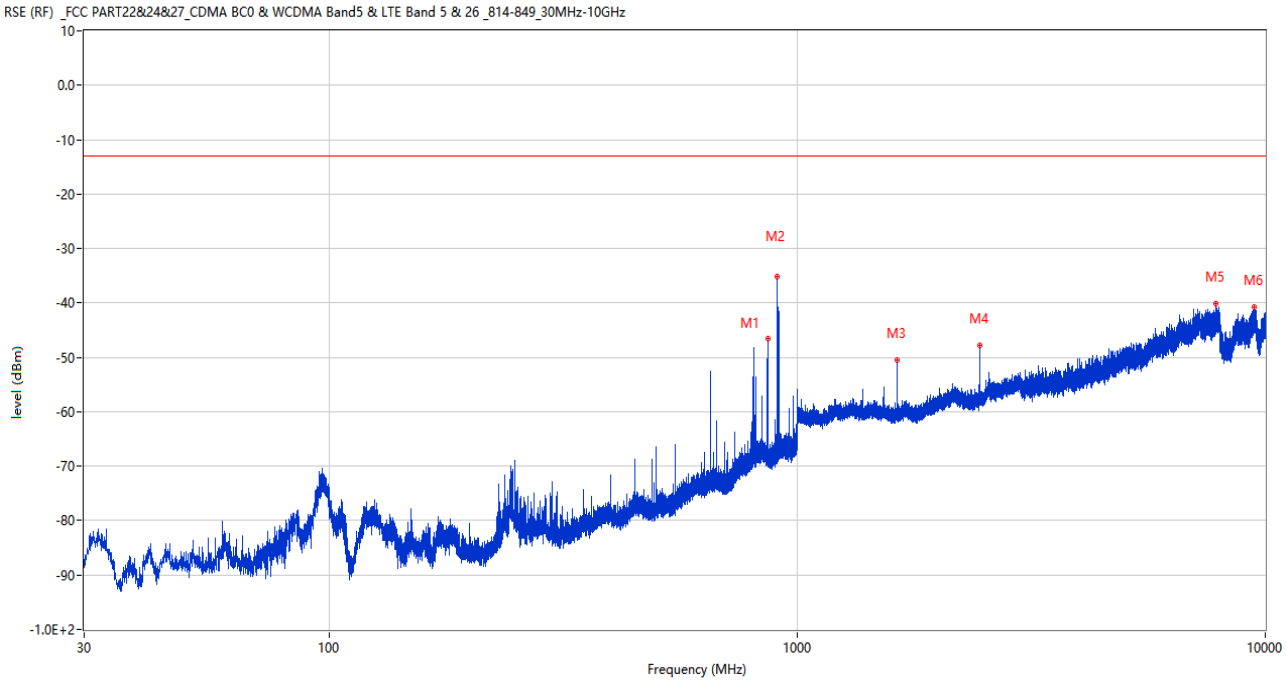
3.7 LTE-M1 Band 26 (part90)

Band:CAT.M B26 ,Channel:MID range BW:5M



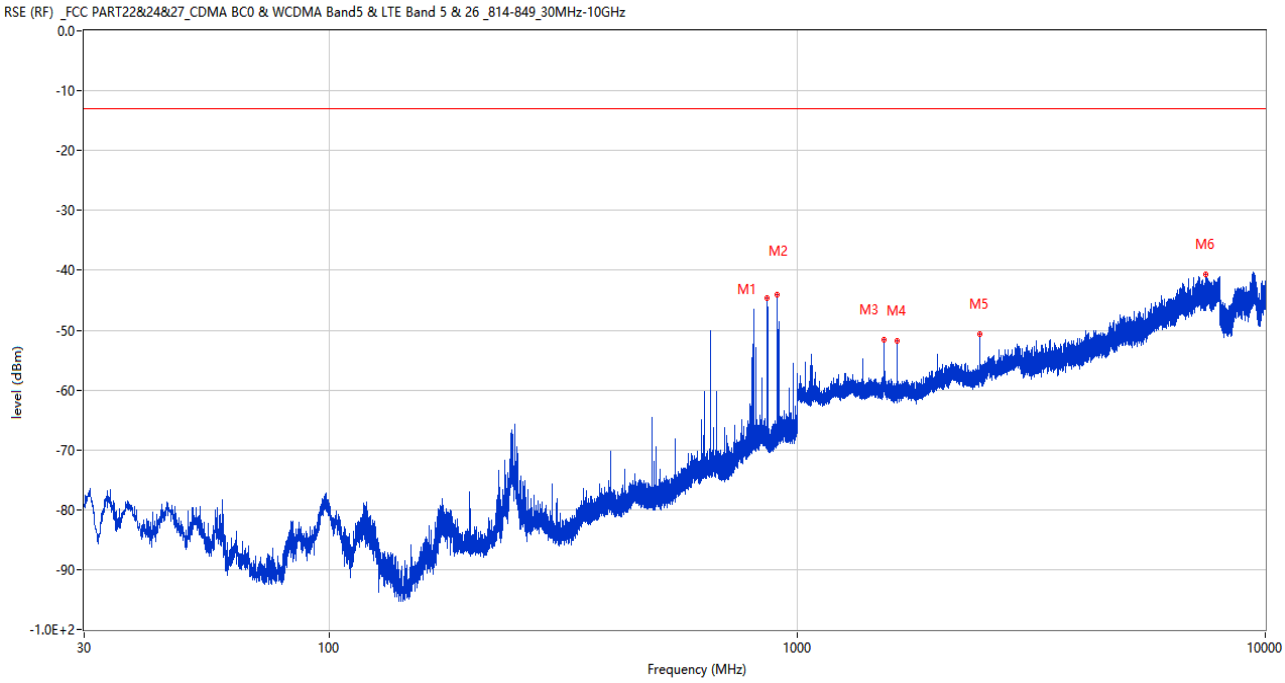
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
866.043	-47.43	4.12	-13.0	34.43	142.00	Horizontal	Horizontal	N/A
908.383	-35.54	5.26	-13.0	22.54	203.00	Horizontal	Horizontal	Pass
1634.400	-50.70	-5.94	-13.0	37.70	199.00	Horizontal	Horizontal	Pass
2451.100	-47.22	-1.35	-13.0	34.22	199.00	Horizontal	Horizontal	Pass
4967.750	-47.09	8.87	-13.0	34.09	257.00	Horizontal	Horizontal	Pass
7465.750	-40.56	14.48	-13.0	27.56	38.00	Horizontal	Horizontal	Pass

Band:CAT.M B26 ,Channel:MID range BW:5M



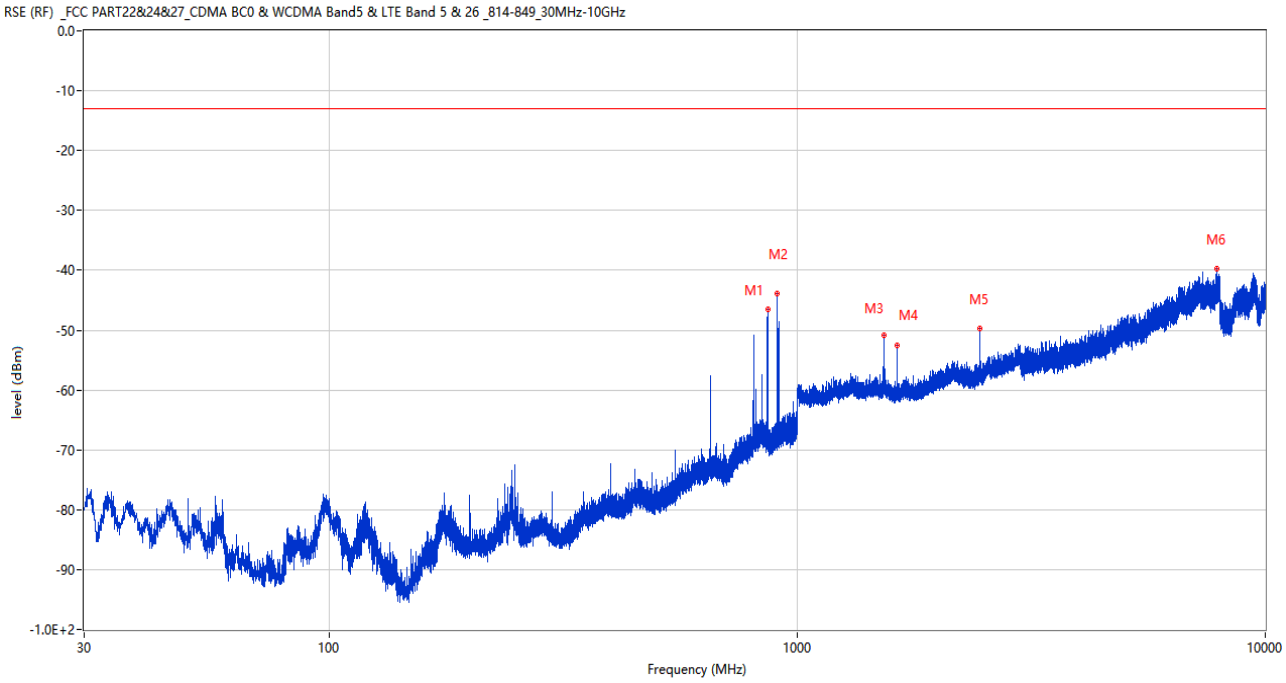
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
866.043	-46.55	4.12	-13.0	33.55	142.00	Horizontal	Vertical	N/A
908.432	-35.06	5.27	-13.0	22.06	207.00	Horizontal	Vertical	Pass
1634.400	-50.49	-5.94	-13.0	37.49	206.00	Horizontal	Vertical	Pass
2451.800	-47.81	-1.32	-13.0	34.81	226.00	Horizontal	Vertical	Pass
7840.250	-40.15	14.82	-13.0	27.15	282.00	Horizontal	Vertical	Pass
9451.900	-40.76	13.74	-13.0	27.76	360.00	Horizontal	Vertical	Pass

Band:CAT.M B26 ,Channel:MID range BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
862.308	-44.72	4.33	-13.0	31.72	70.00	Vertical	Vertical	N/A
908.432	-44.06	5.27	-13.0	31.06	3.00	Vertical	Vertical	Pass
1534.000	-51.52	-5.44	-13.0	38.52	360.00	Vertical	Vertical	Pass
1634.600	-51.79	-5.94	-13.0	38.79	213.00	Vertical	Vertical	Pass
2451.200	-50.62	-1.34	-13.0	37.62	339.00	Vertical	Vertical	Pass
7462.750	-40.62	14.20	-13.0	27.62	29.00	Vertical	Vertical	Pass

Band:CAT.M B26 ,Channel:MID range BW:5M

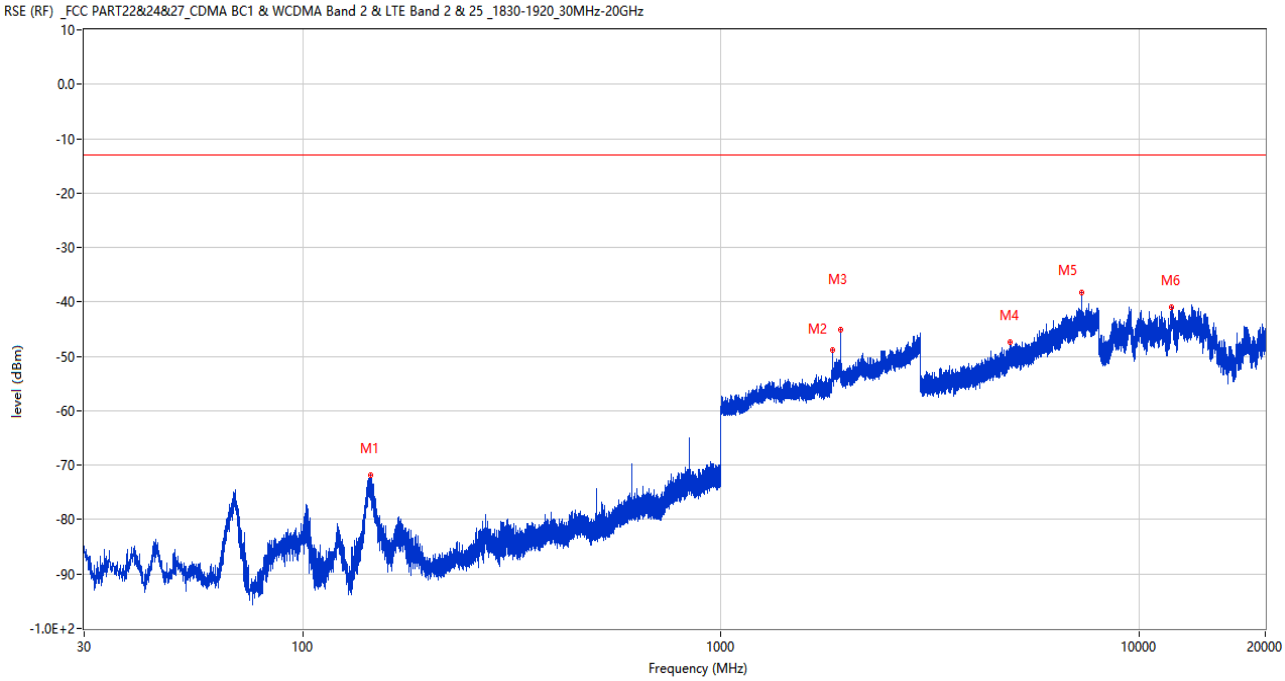


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
865.510	-46.44	4.16	-13.0	33.44	25.00	Vertical	Horizontal	N/A
908.432	-43.83	5.27	-13.0	30.83	3.00	Vertical	Horizontal	Pass
1534.000	-50.89	-5.44	-13.0	37.89	176.00	Vertical	Horizontal	Pass
1634.700	-52.50	-5.93	-13.0	39.50	220.00	Vertical	Horizontal	Pass
2451.200	-49.79	-1.34	-13.0	36.79	152.00	Vertical	Horizontal	Pass
7890.000	-39.76	14.96	-13.0	26.76	313.00	Vertical	Horizontal	Pass

4. LTE NB-IoT

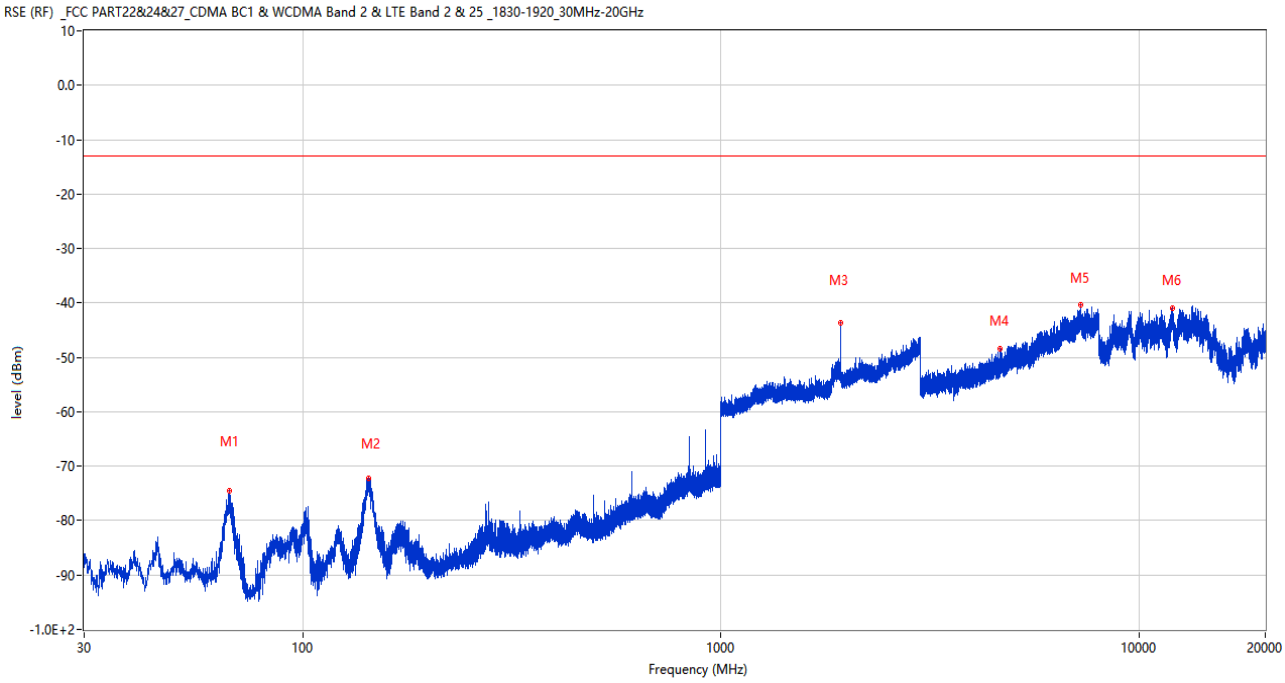
4.1 NB-IoT Band 2

Band:NB-IoT B2 ,Channel:LOW range,BW:15K



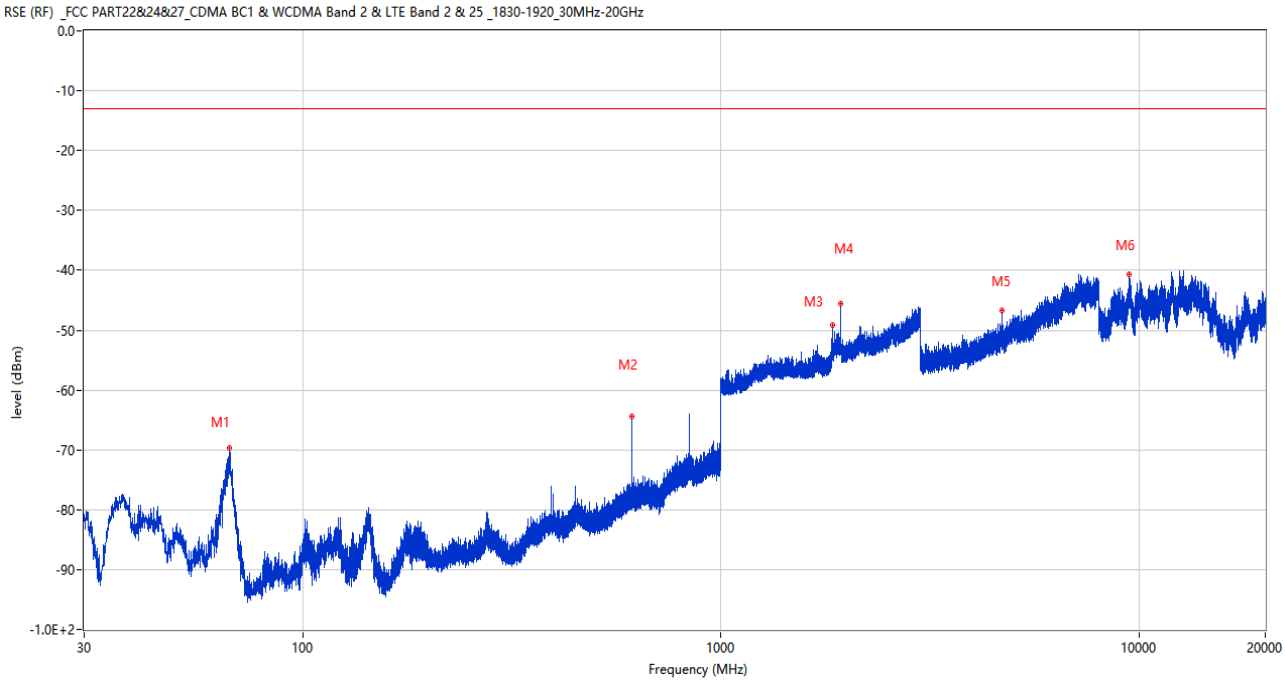
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.994	-71.91	-22.91	-13.0	58.91	328.00	Horizontal	Horizontal	Pass
1850.600	-48.75	1.91	-13.0	35.75	189.00	Horizontal	Horizontal	N/A
1931.000	-45.16	2.12	-13.0	32.16	122.00	Horizontal	Horizontal	N/A
4895.500	-47.42	8.25	-13.0	34.42	258.00	Horizontal	Horizontal	Pass
7280.250	-38.29	13.62	-13.0	25.29	258.00	Horizontal	Horizontal	Pass
11927.063	-40.95	13.84	-13.0	27.95	119.00	Horizontal	Horizontal	Pass

Band:NB-IoT B2 ,Channel:LOW range,BW:15K



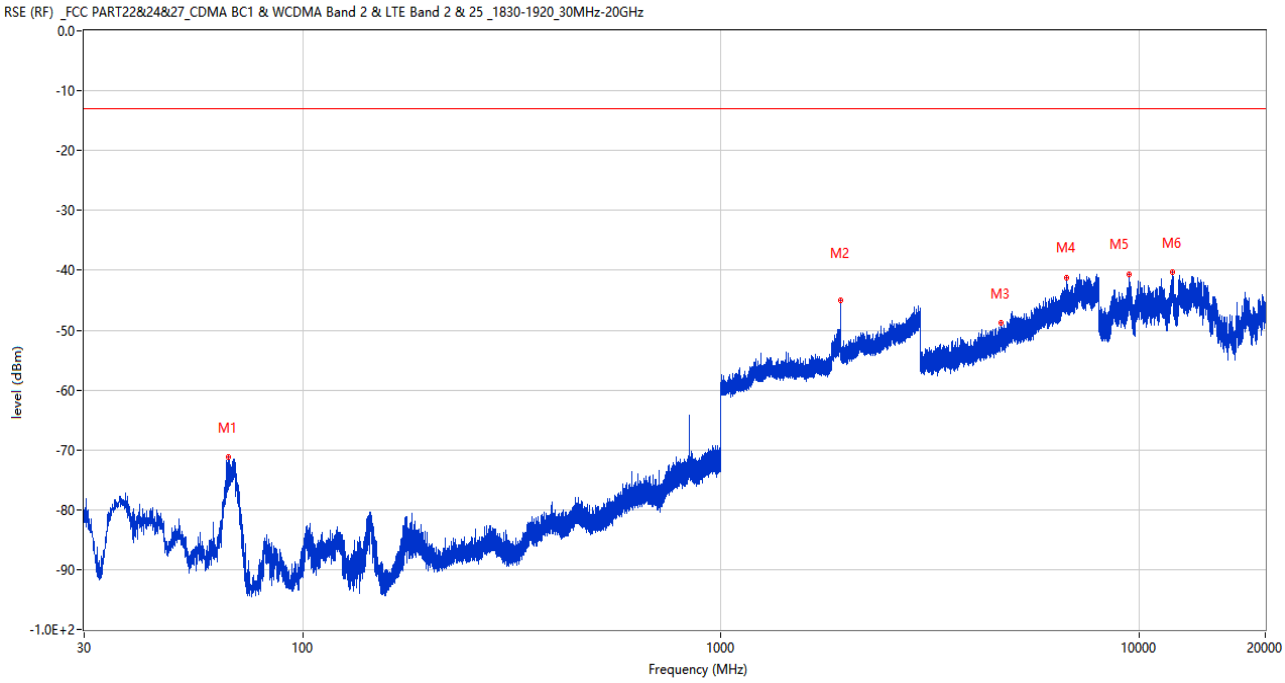
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.618	-74.62	-18.05	-13.0	61.62	36.00	Horizontal	Vertical	Pass
143.926	-72.14	-22.98	-13.0	59.14	283.00	Horizontal	Vertical	Pass
1931.200	-43.72	2.10	-13.0	30.72	238.00	Horizontal	Vertical	N/A
4655.500	-48.43	7.61	-13.0	35.43	28.00	Horizontal	Vertical	Pass
7246.500	-40.42	14.97	-13.0	27.42	360.00	Horizontal	Vertical	Pass
11988.338	-40.86	14.02	-13.0	27.86	246.00	Horizontal	Vertical	Pass

Band:NB-IoT B2 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.811	-69.74	-18.16	-13.0	56.74	345.00	Vertical	Vertical	Pass
613.164	-64.50	-5.31	-13.0	51.50	267.00	Vertical	Vertical	Pass
1850.900	-49.20	1.91	-13.0	36.20	61.00	Vertical	Vertical	N/A
1931.200	-45.64	2.10	-13.0	32.64	156.00	Vertical	Vertical	N/A
4686.500	-46.74	7.72	-13.0	33.74	0.00	Vertical	Vertical	Pass
9444.000	-40.77	13.73	-13.0	27.77	3.00	Vertical	Vertical	Pass

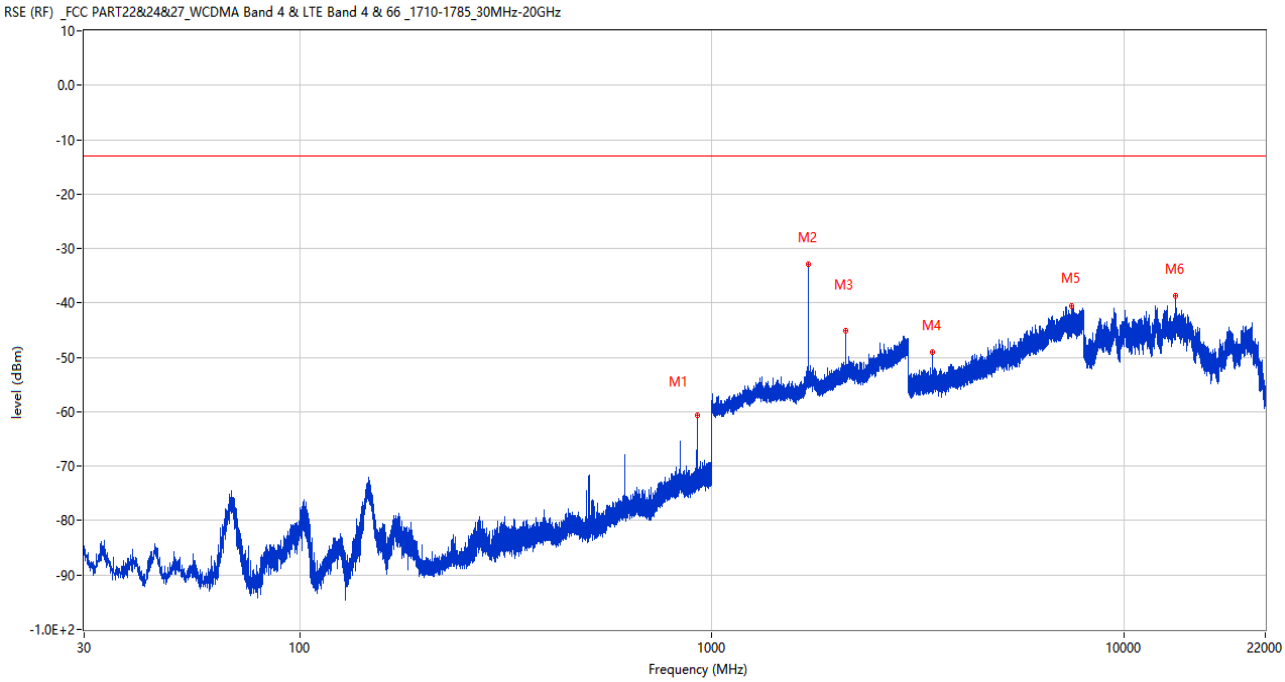
Band:NB-IoT B2 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.472	-71.21	-17.98	-13.0	58.21	339.00	Vertical	Horizontal	Pass
1930.900	-45.05	2.13	-13.0	32.05	50.00	Vertical	Horizontal	N/A
4663.500	-48.87	7.87	-13.0	35.87	360.00	Vertical	Horizontal	Pass
6685.250	-41.17	12.77	-13.0	28.17	360.00	Vertical	Horizontal	Pass
9444.712	-40.66	13.74	-13.0	27.66	271.00	Vertical	Horizontal	Pass
11976.700	-40.36	14.02	-13.0	27.36	16.00	Vertical	Horizontal	Pass

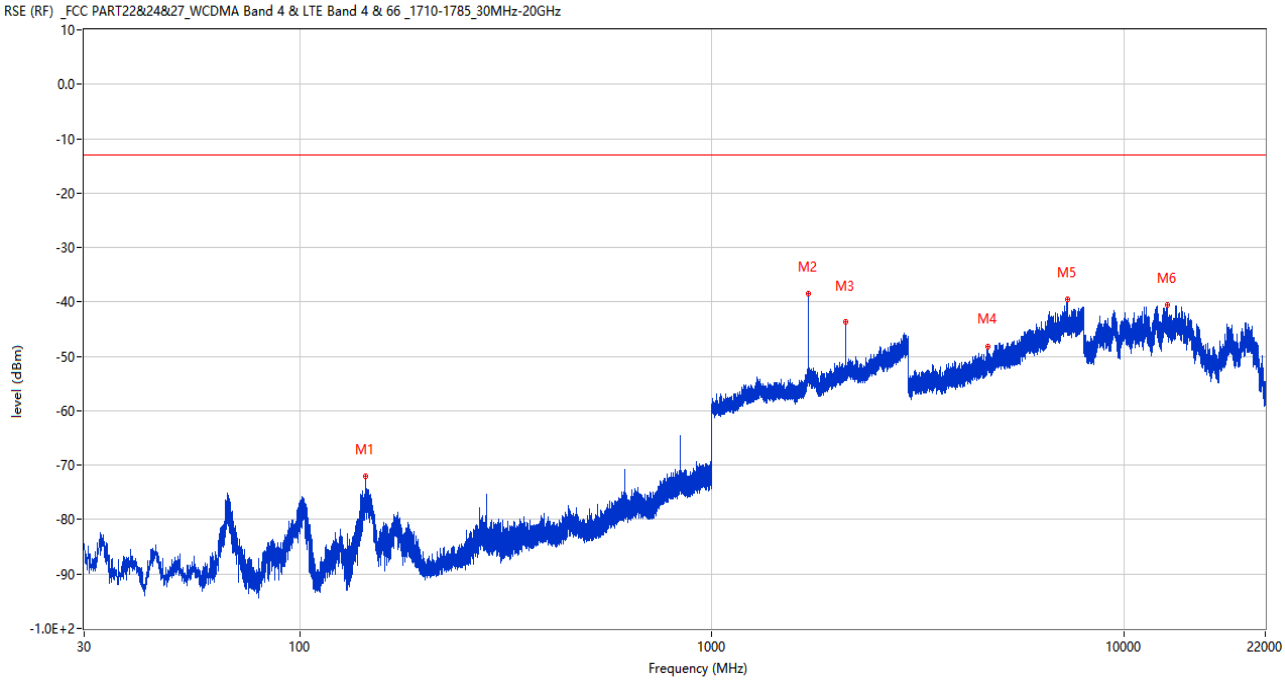
4.2 NB-IoT Band 4

Band:NB-IoT B4 ,Channel:LOW range,BW:15K



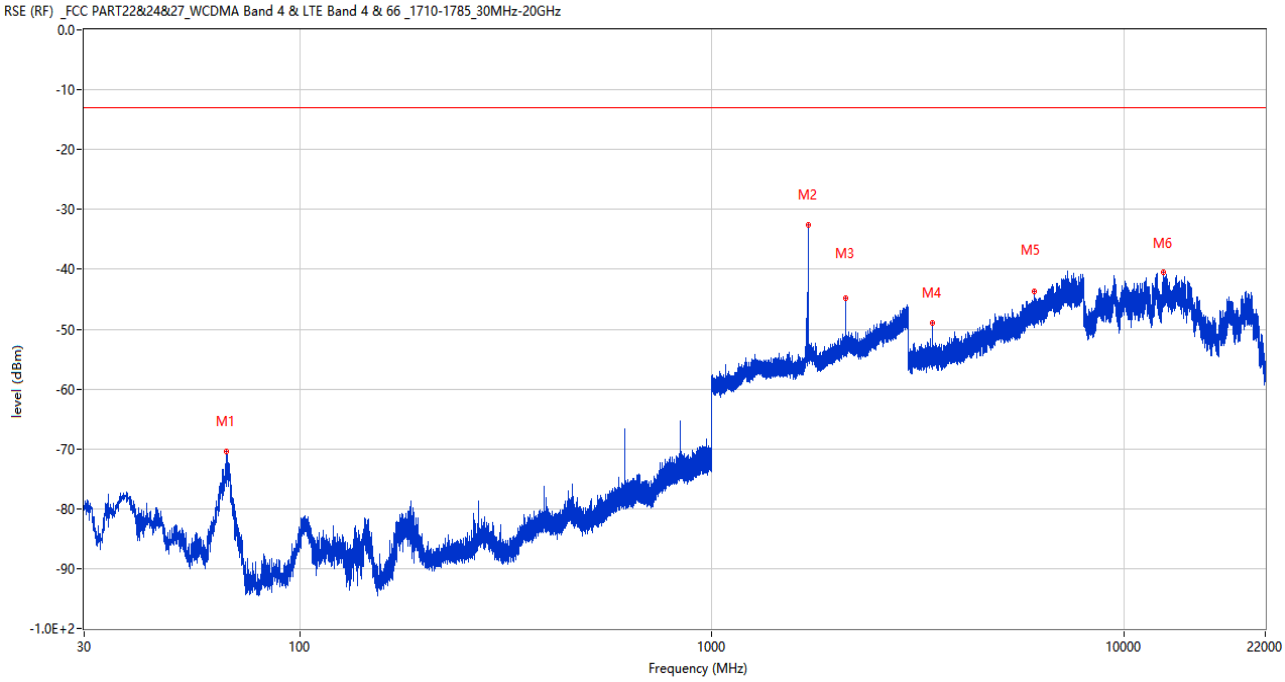
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
919.636	-60.69	0.22	-13.0	47.69	23.00	Horizontal	Horizontal	Pass
1710.900	-32.82	1.32	-13.0	19.82	175.00	Horizontal	Horizontal	N/A
2110.700	-45.20	2.35	-13.0	32.20	100.00	Horizontal	Horizontal	N/A
3420.750	-49.03	4.01	-13.0	36.03	50.00	Horizontal	Horizontal	Pass
7471.750	-40.45	14.64	-13.0	27.45	148.00	Horizontal	Horizontal	Pass
13348.938	-38.65	16.73	-13.0	25.65	360.00	Horizontal	Horizontal	Pass

Band:NB-IoT B4 ,Channel:LOW range,BW:15K



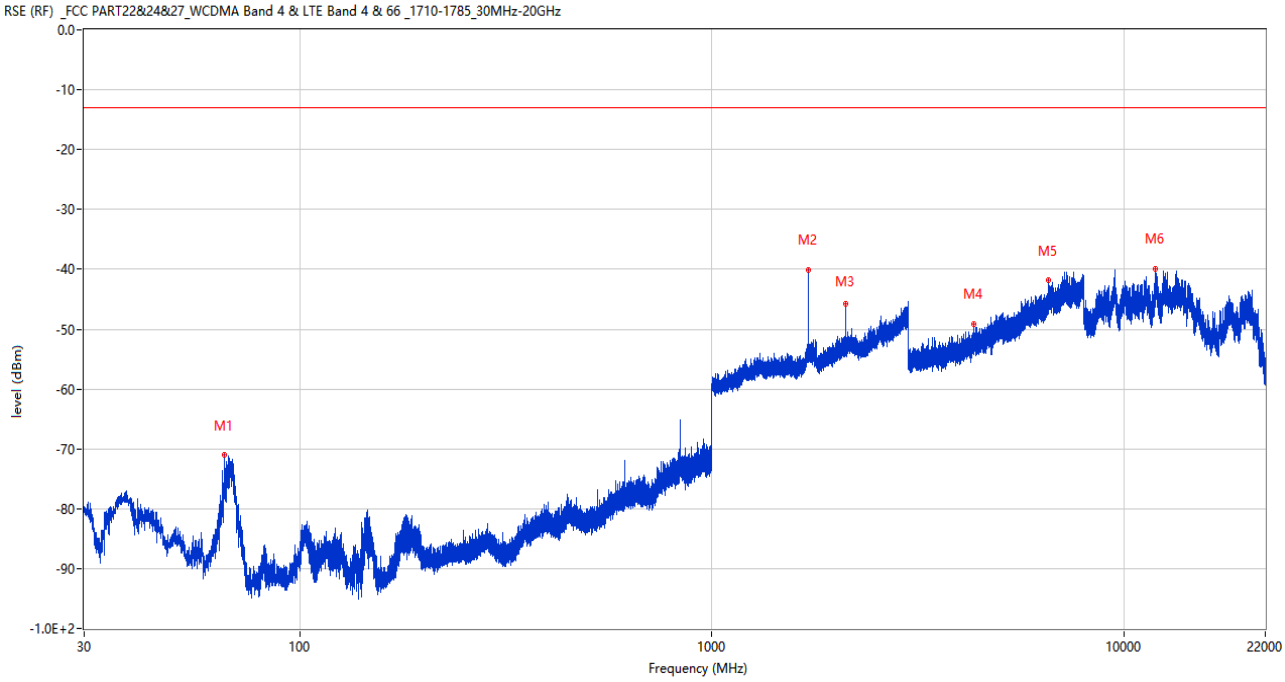
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.606	-72.01	-22.89	-13.0	59.01	337.00	Horizontal	Vertical	Pass
1711.000	-38.47	1.31	-13.0	25.47	213.00	Horizontal	Vertical	N/A
2111.100	-43.62	2.37	-13.0	30.62	213.00	Horizontal	Vertical	N/A
4676.500	-48.17	7.87	-13.0	35.17	270.00	Horizontal	Vertical	Pass
7281.250	-39.60	13.70	-13.0	26.60	226.00	Horizontal	Vertical	Pass
12732.662	-40.55	14.82	-13.0	27.55	48.00	Horizontal	Vertical	Pass

Band:NB-IoT B4 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.569	-70.40	-18.03	-13.0	57.40	3.00	Vertical	Vertical	Pass
1711.000	-32.51	1.31	-13.0	19.51	215.00	Vertical	Vertical	N/A
2111.100	-44.76	2.37	-13.0	31.76	24.00	Vertical	Vertical	N/A
3420.500	-48.92	4.00	-13.0	35.92	225.00	Vertical	Vertical	Pass
6063.250	-43.73	10.50	-13.0	30.73	30.00	Vertical	Vertical	Pass
12472.125	-40.56	14.24	-13.0	27.56	242.00	Vertical	Vertical	Pass

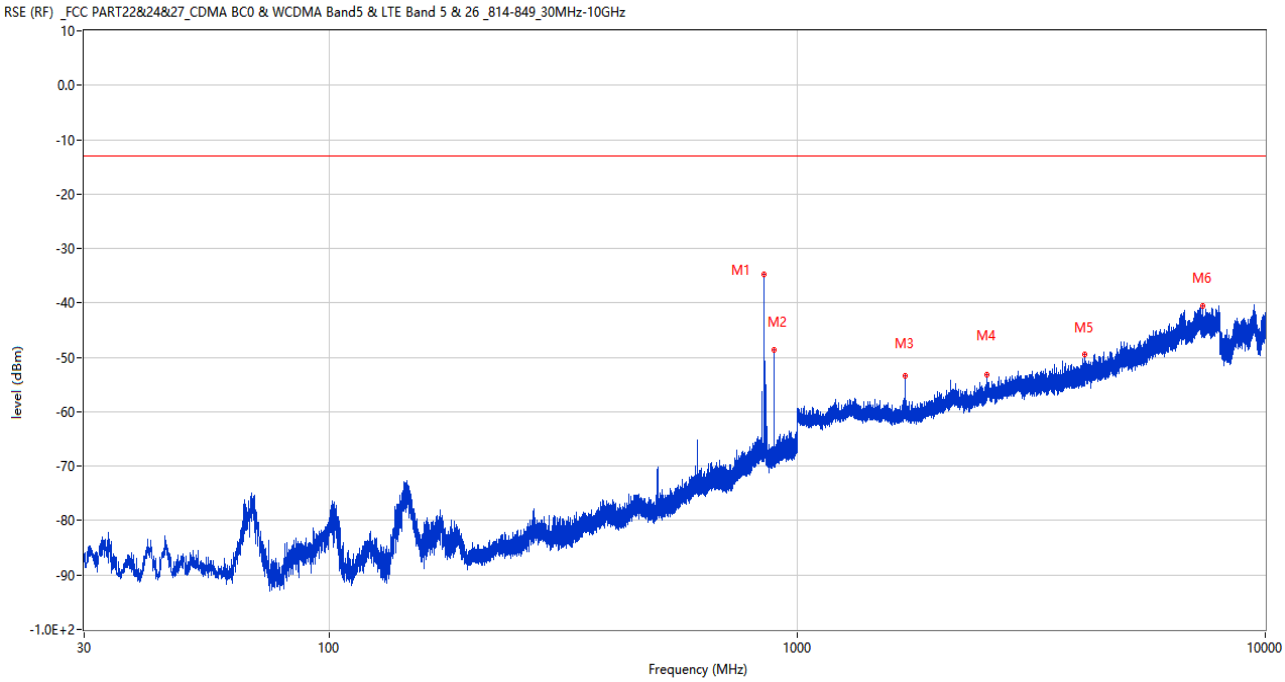
Band:NB-IoT B4 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
65.696	-71.07	-17.49	-13.0	58.07	345.00	Vertical	Horizontal	Pass
1711.000	-40.10	1.31	-13.0	27.10	336.00	Vertical	Horizontal	N/A
2111.000	-45.83	2.37	-13.0	32.83	78.00	Vertical	Horizontal	N/A
4328.500	-49.12	7.07	-13.0	36.12	210.00	Vertical	Horizontal	Pass
6567.500	-41.89	12.81	-13.0	28.89	0.00	Vertical	Horizontal	Pass
11911.625	-40.00	13.71	-13.0	27.00	17.00	Vertical	Horizontal	Pass

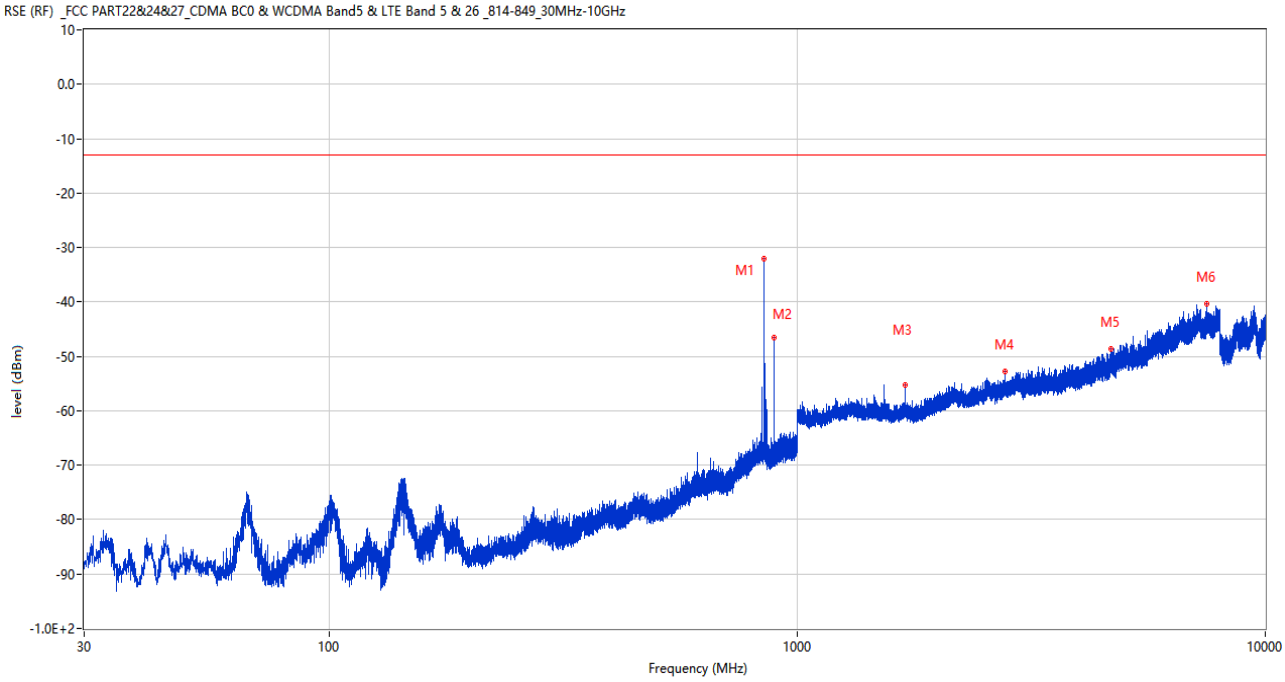
4.3 NB-IoT Band 5

Band:NB-IoT B5 ,Channel:HIGH range,BW:15K



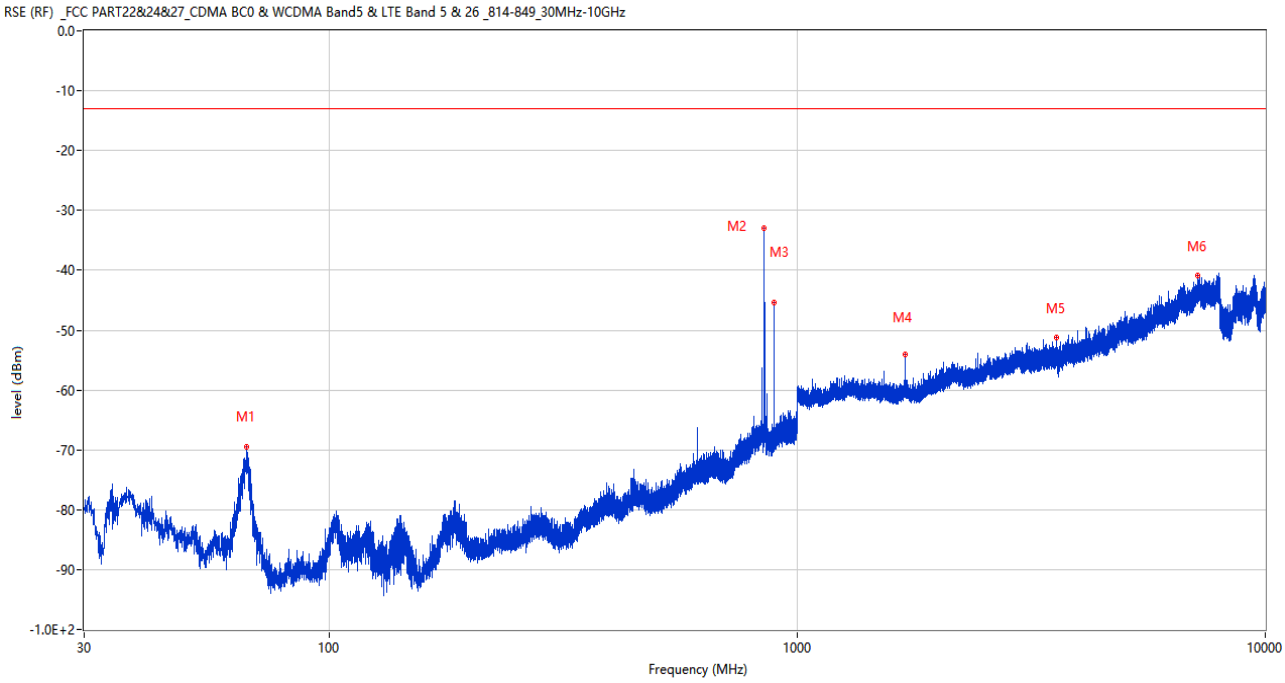
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.874	-34.78	5.54	-13.0	21.78	42.00	Horizontal	Horizontal	N/A
893.785	-48.68	4.53	-13.0	35.68	229.00	Horizontal	Horizontal	N/A
1698.600	-53.46	-4.88	-13.0	40.46	19.00	Horizontal	Horizontal	Pass
2549.100	-53.09	-0.48	-13.0	40.09	360.00	Horizontal	Horizontal	Pass
4105.500	-49.51	6.60	-13.0	36.51	136.00	Horizontal	Horizontal	Pass
7355.000	-40.45	14.51	-13.0	27.45	234.00	Horizontal	Horizontal	Pass

Band:NB-IoT B5 ,Channel:HIGH range,BW:15K



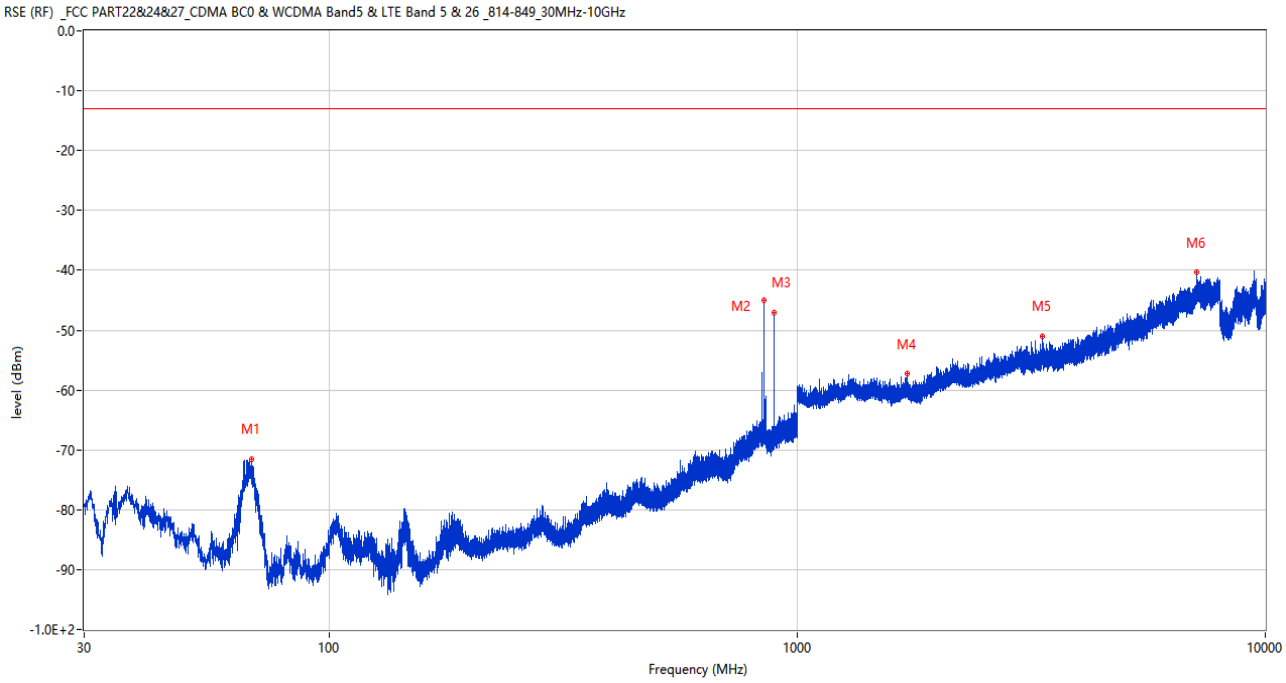
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.874	-32.03	5.54	-13.0	19.03	222.00	Horizontal	Vertical	N/A
893.785	-46.47	4.53	-13.0	33.47	215.00	Horizontal	Vertical	N/A
1698.400	-55.25	-4.87	-13.0	42.25	221.00	Horizontal	Vertical	Pass
2780.600	-52.85	1.00	-13.0	39.85	127.00	Horizontal	Vertical	Pass
4678.750	-48.63	7.81	-13.0	35.63	0.00	Horizontal	Vertical	Pass
7503.250	-40.41	13.52	-13.0	27.41	227.00	Horizontal	Vertical	Pass

Band:NB-IoT B5 ,Channel:HIGH range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.811	-69.42	-16.97	-13.0	56.42	360.00	Vertical	Vertical	Pass
848.874	-33.01	5.54	-13.0	20.01	166.00	Vertical	Vertical	N/A
893.882	-45.43	4.53	-13.0	32.43	358.00	Vertical	Vertical	N/A
1698.600	-54.02	-4.88	-13.0	41.02	41.00	Vertical	Vertical	Pass
3573.500	-51.28	5.59	-13.0	38.28	60.00	Vertical	Vertical	Pass
7189.000	-40.91	14.06	-13.0	27.91	0.00	Vertical	Vertical	Pass

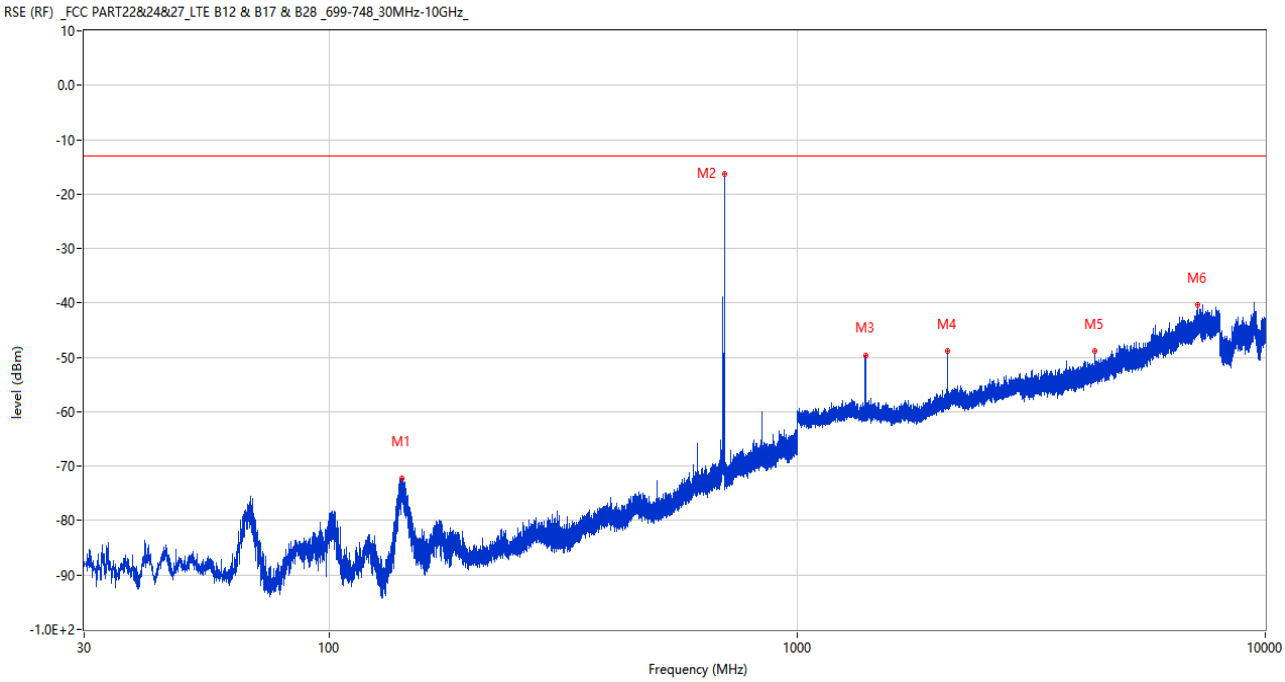
Band:NB-IoT B5 ,Channel:HIGH range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
68.412	-71.47	-17.95	-13.0	58.47	315.00	Vertical	Horizontal	Pass
848.874	-45.01	5.54	-13.0	32.01	359.00	Vertical	Horizontal	N/A
893.785	-47.03	4.53	-13.0	34.03	321.00	Vertical	Horizontal	N/A
1714.800	-57.34	-5.27	-13.0	44.34	184.00	Vertical	Horizontal	Pass
3341.500	-51.01	4.17	-13.0	38.01	346.00	Vertical	Horizontal	Pass
7134.250	-40.37	13.91	-13.0	27.37	0.00	Vertical	Horizontal	Pass

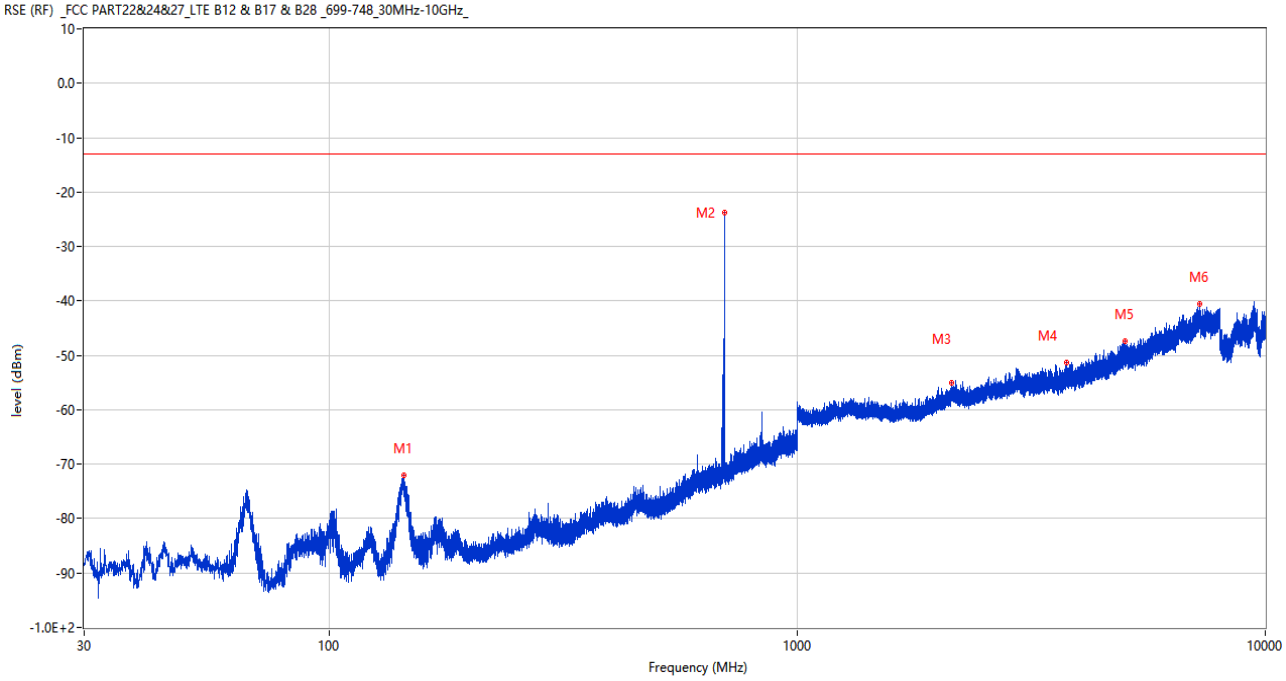
4.4 NB-IoT Band 12

Band:NB-IoT B12 ,Channel:LOW range,BW:15K



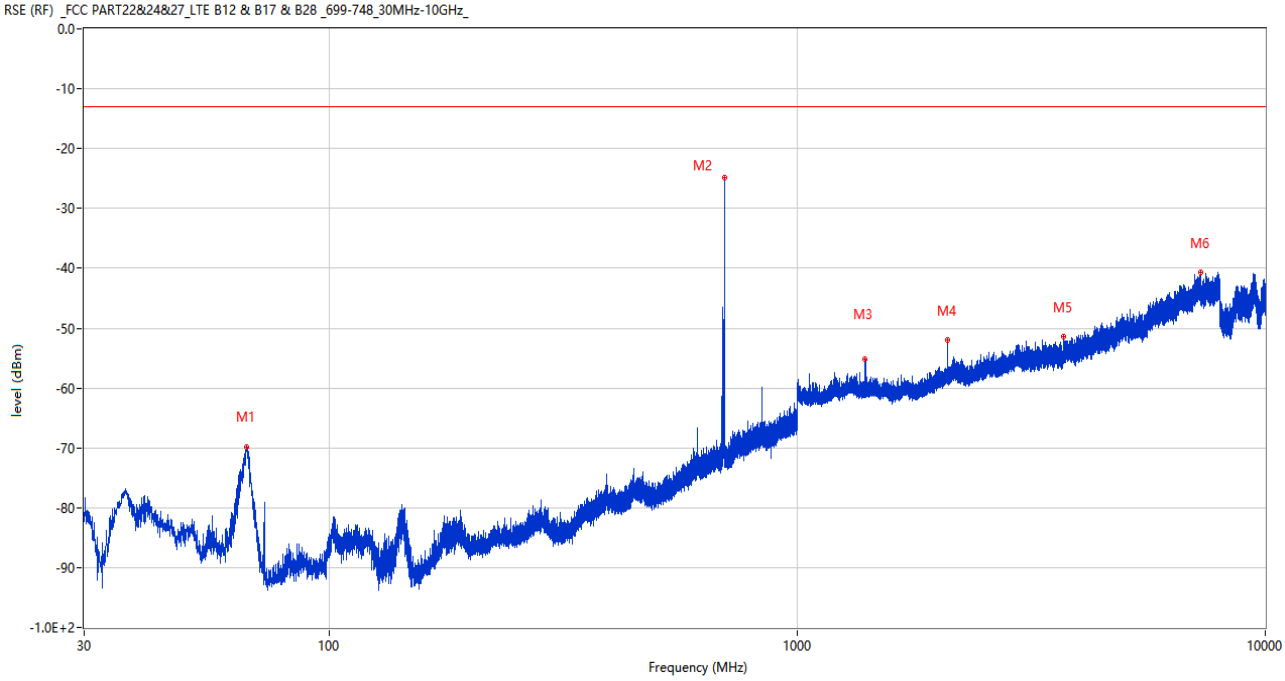
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
143.005	-72.17	-21.16	-13.0	59.17	324.00	Horizontal	Horizontal	Pass
699.009	-16.35	1.37	-13.0	3.35	19.00	Horizontal	Horizontal	N/A
1398.800	-49.68	-5.39	-13.0	36.68	8.00	Horizontal	Horizontal	Pass
2097.900	-48.87	-2.45	-13.0	35.87	76.00	Horizontal	Horizontal	Pass
4332.500	-48.86	7.02	-13.0	35.86	360.00	Horizontal	Horizontal	Pass
7180.750	-40.38	14.17	-13.0	27.38	360.00	Horizontal	Horizontal	Pass

Band:NB-IoT B12 ,Channel:LOW range,BW:15K



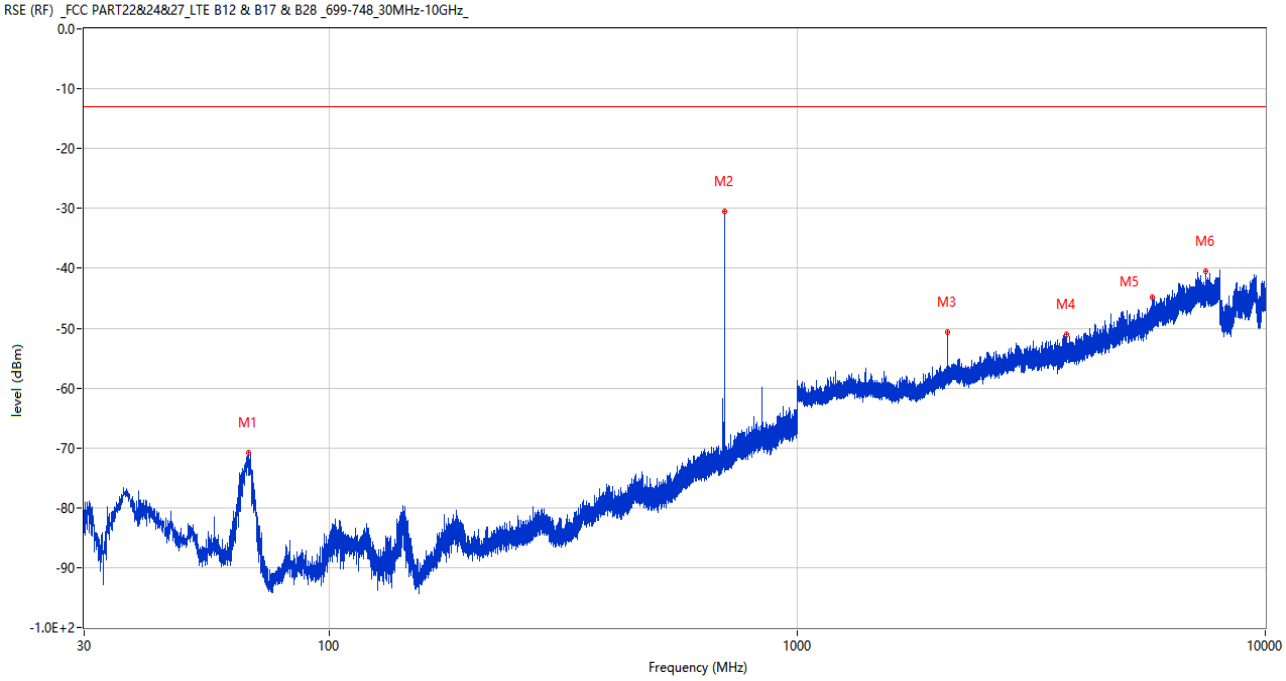
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.557	-72.07	-21.07	-13.0	59.07	309.00	Horizontal	Vertical	Pass
699.009	-23.87	1.37	-13.0	10.87	79.00	Horizontal	Vertical	N/A
2142.900	-55.01	-2.27	-13.0	42.01	169.00	Horizontal	Vertical	Pass
3770.250	-51.27	6.31	-13.0	38.27	159.00	Horizontal	Vertical	Pass
5021.000	-47.38	8.64	-13.0	34.38	105.00	Horizontal	Vertical	Pass
7236.500	-40.52	14.86	-13.0	27.52	360.00	Horizontal	Vertical	Pass

Band:NB-IoT B12 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.569	-69.87	-16.78	-13.0	56.87	0.00	Vertical	Vertical	Pass
699.009	-24.78	1.37	-13.0	11.78	132.00	Vertical	Vertical	N/A
1398.700	-55.27	-5.40	-13.0	42.27	351.00	Vertical	Vertical	Pass
2097.800	-52.01	-2.45	-13.0	39.01	345.00	Vertical	Vertical	Pass
3716.000	-51.46	5.85	-13.0	38.46	157.00	Vertical	Vertical	Pass
7280.500	-40.71	13.65	-13.0	27.71	258.00	Vertical	Vertical	Pass

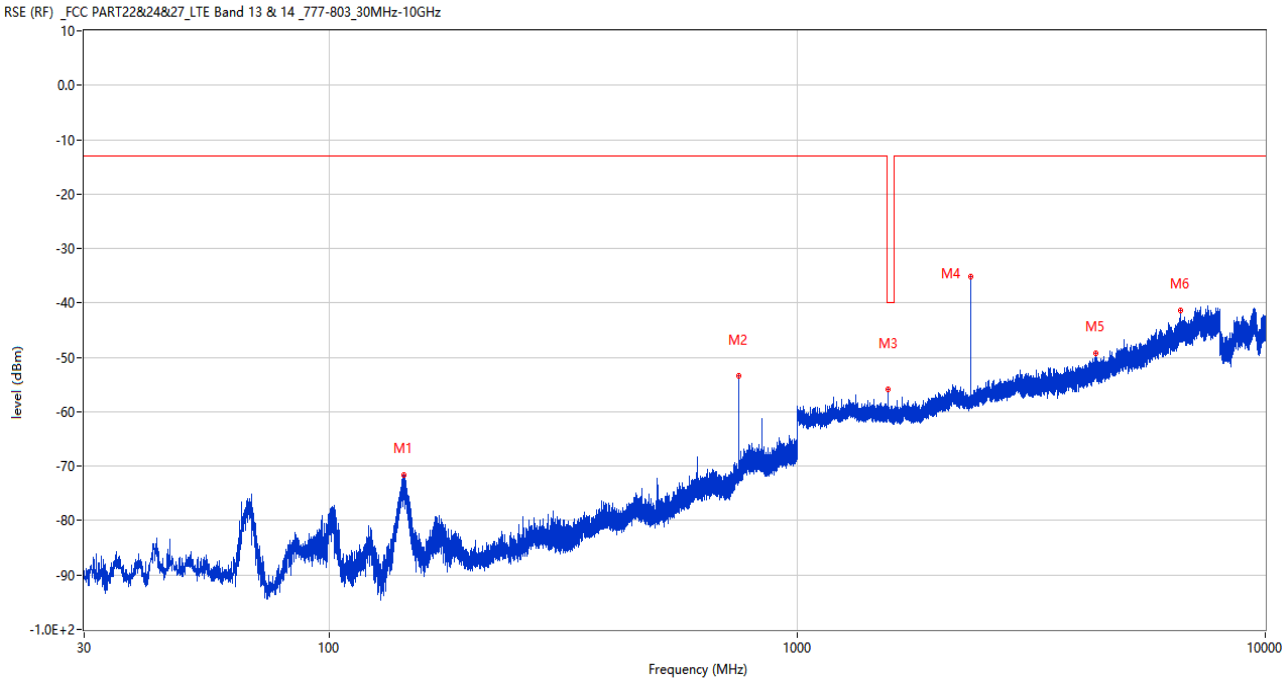
Band:NB-IoT B12 ,Channel:LOW range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
67.248	-70.79	-17.17	-13.0	57.79	337.00	Vertical	Horizontal	Pass
699.009	-30.42	1.37	-13.0	17.42	1.00	Vertical	Horizontal	N/A
2097.900	-50.65	-2.45	-13.0	37.65	44.00	Vertical	Horizontal	Pass
3764.000	-51.09	6.32	-13.0	38.09	183.00	Vertical	Horizontal	Pass
5750.750	-44.73	9.57	-13.0	31.73	294.00	Vertical	Horizontal	Pass
7468.750	-40.46	14.57	-13.0	27.46	0.00	Vertical	Horizontal	Pass

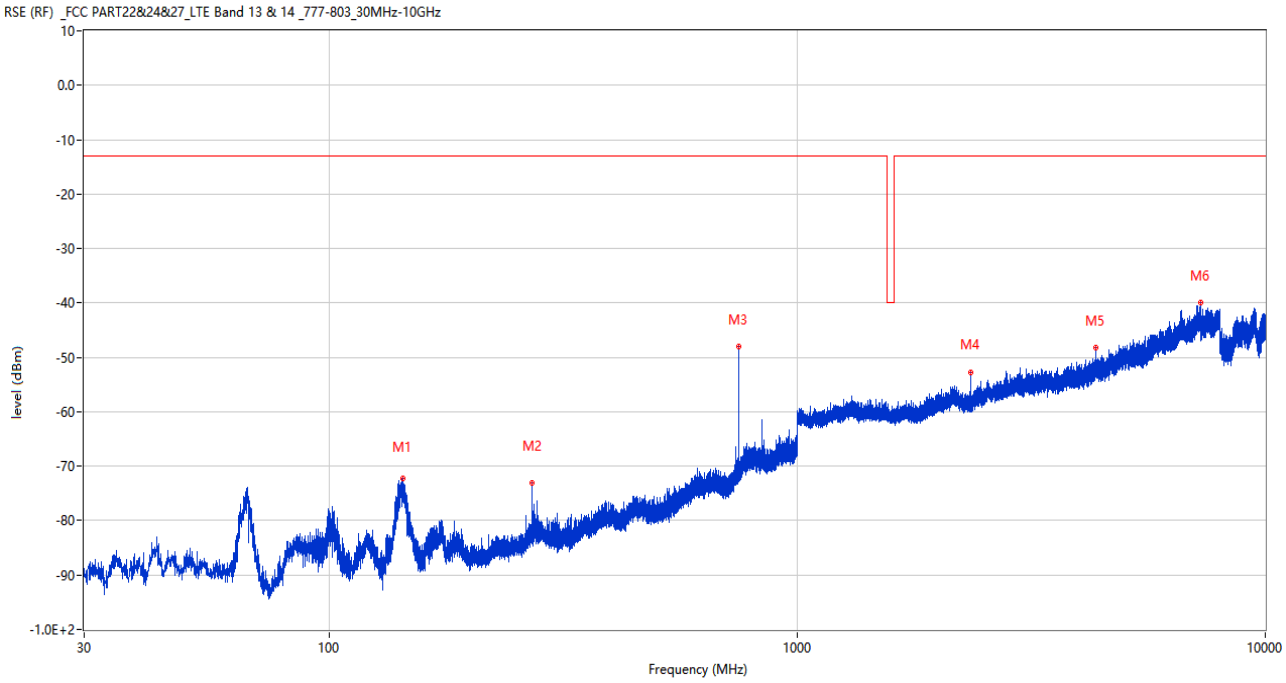
4.5 NB-IoT Band 13

Band:NB-IoT B13 ,Channel:MID range,BW:15K



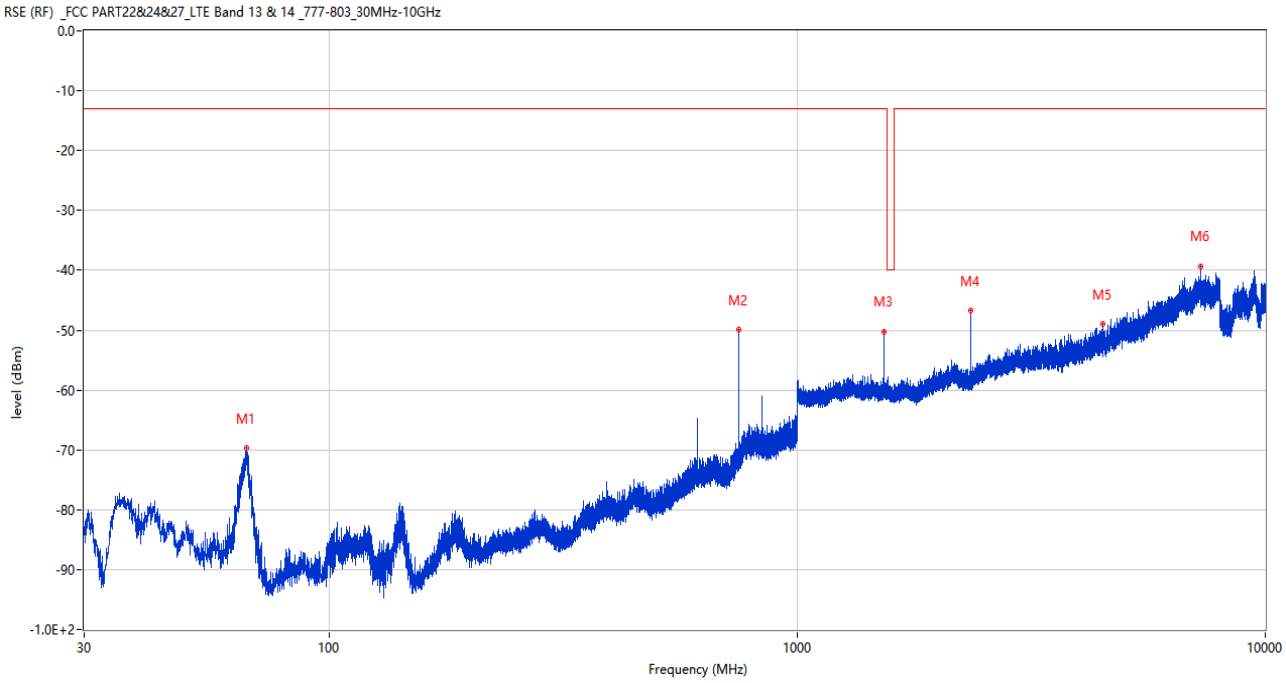
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
144.848	-71.65	-21.47	-13.0	58.65	319.00	Horizontal	Horizontal	Pass
751.001	-53.31	1.50	-13.0	40.31	154.00	Horizontal	Horizontal	N/A
1564.700	-55.97	-5.66	-40.0	15.97	102.00	Horizontal	Horizontal	Pass
2346.600	-35.09	-2.12	-13.0	22.09	166.00	Horizontal	Horizontal	Pass
4348.250	-49.24	7.35	-13.0	36.24	17.00	Horizontal	Horizontal	Pass
6576.750	-41.31	13.23	-13.0	28.31	160.00	Horizontal	Horizontal	Pass

Band:NB-IoT B13 ,Channel:MID range,BW:15K



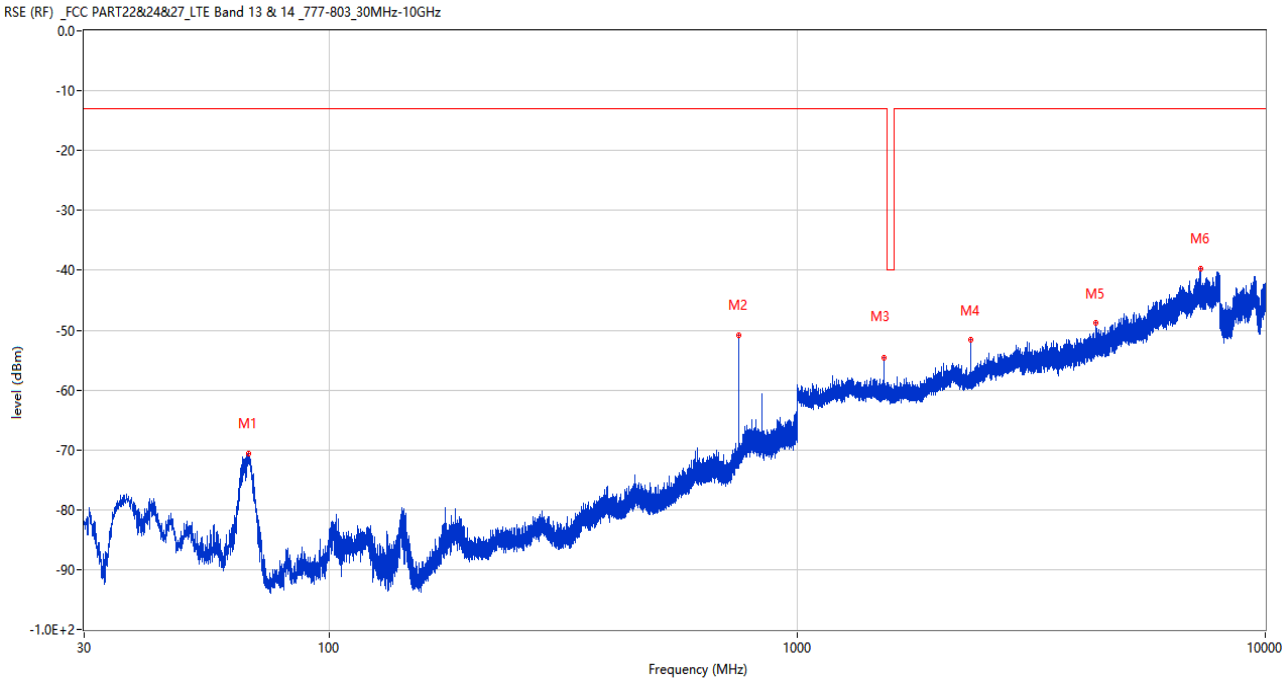
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
143.830	-72.27	-21.46	-13.0	59.27	321.00	Horizontal	Vertical	Pass
271.482	-73.08	-11.74	-13.0	60.08	225.00	Horizontal	Vertical	Pass
751.001	-48.07	1.50	-13.0	35.07	65.00	Horizontal	Vertical	N/A
2346.500	-52.67	-2.13	-13.0	39.67	42.00	Horizontal	Vertical	Pass
4345.500	-48.24	7.34	-13.0	35.24	260.00	Horizontal	Vertical	Pass
7279.750	-39.87	13.61	-13.0	26.87	39.00	Horizontal	Vertical	Pass

Band:NB-IoT B13 ,Channel:MID range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
66.666	-69.65	-16.99	-13.0	56.65	7.00	Vertical	Vertical	Pass
751.001	-49.94	1.50	-13.0	36.94	192.00	Vertical	Vertical	N/A
1533.900	-50.20	-5.45	-13.0	37.20	360.00	Vertical	Vertical	Pass
2346.400	-46.78	-2.13	-13.0	33.78	43.00	Vertical	Vertical	Pass
4495.750	-48.99	7.60	-13.0	35.99	0.00	Vertical	Vertical	Pass
7279.500	-39.34	13.61	-13.0	26.34	315.00	Vertical	Vertical	Pass

Band:NB-IoT B13 ,Channel:MID range,BW:15K



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
67.200	-70.53	-17.33	-13.0	57.53	0.00	Vertical	Horizontal	Pass
751.001	-50.77	1.50	-13.0	37.77	127.00	Vertical	Horizontal	N/A
1533.400	-54.56	-5.47	-13.0	41.56	360.00	Vertical	Horizontal	Pass
2346.600	-51.63	-2.12	-13.0	38.63	110.00	Vertical	Horizontal	Pass
4350.500	-48.86	7.39	-13.0	35.86	7.00	Vertical	Horizontal	Pass
7275.250	-39.65	13.79	-13.0	26.65	250.00	Vertical	Horizontal	Pass

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