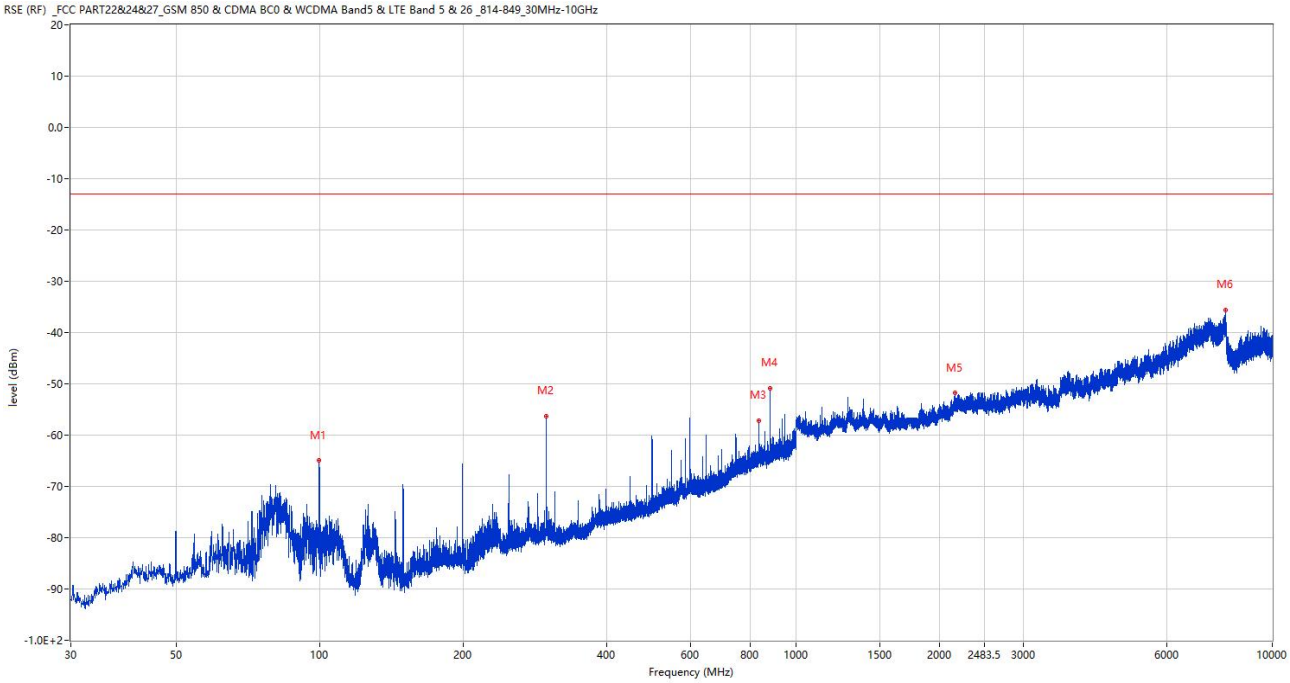
A.7 Field Strength of Spurious Radiation

1. GSM

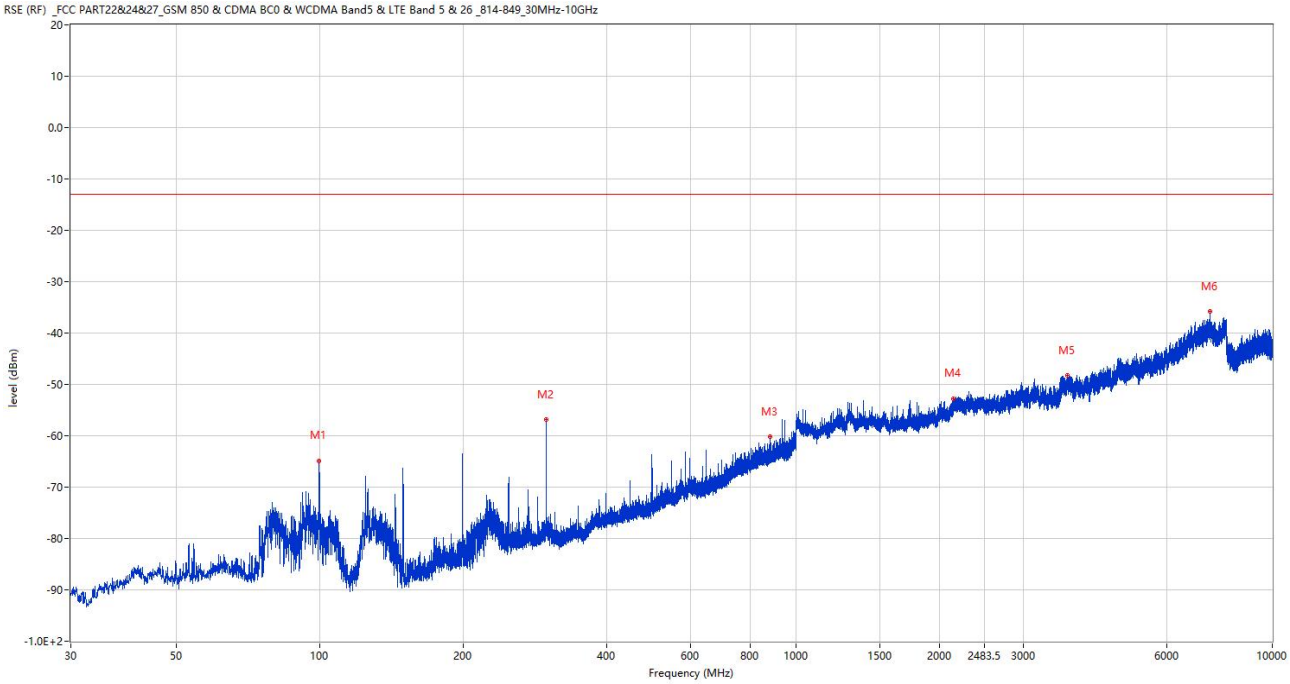
1.1 GSM 850

Band:GSM850,Channel:Mid range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.695	-64.83	-17.36	-13.0	51.83	168.00	Vertical	Horizontal	Pass
299.126	-56.26	-10.39	-13.0	43.26	360.00	Vertical	Horizontal	Pass
836.652	-57.26	5.71	-13.0	44.26	21.00	Vertical	Horizontal	N/A
881.563	-50.87	5.76	-13.0	37.87	246.00	Vertical	Horizontal	N/A
2158.500	-51.71	0.20	-13.0	38.71	0.00	Vertical	Horizontal	Pass
7995.500	-35.60	20.07	-13.0	22.60	258.00	Vertical	Horizontal	Pass

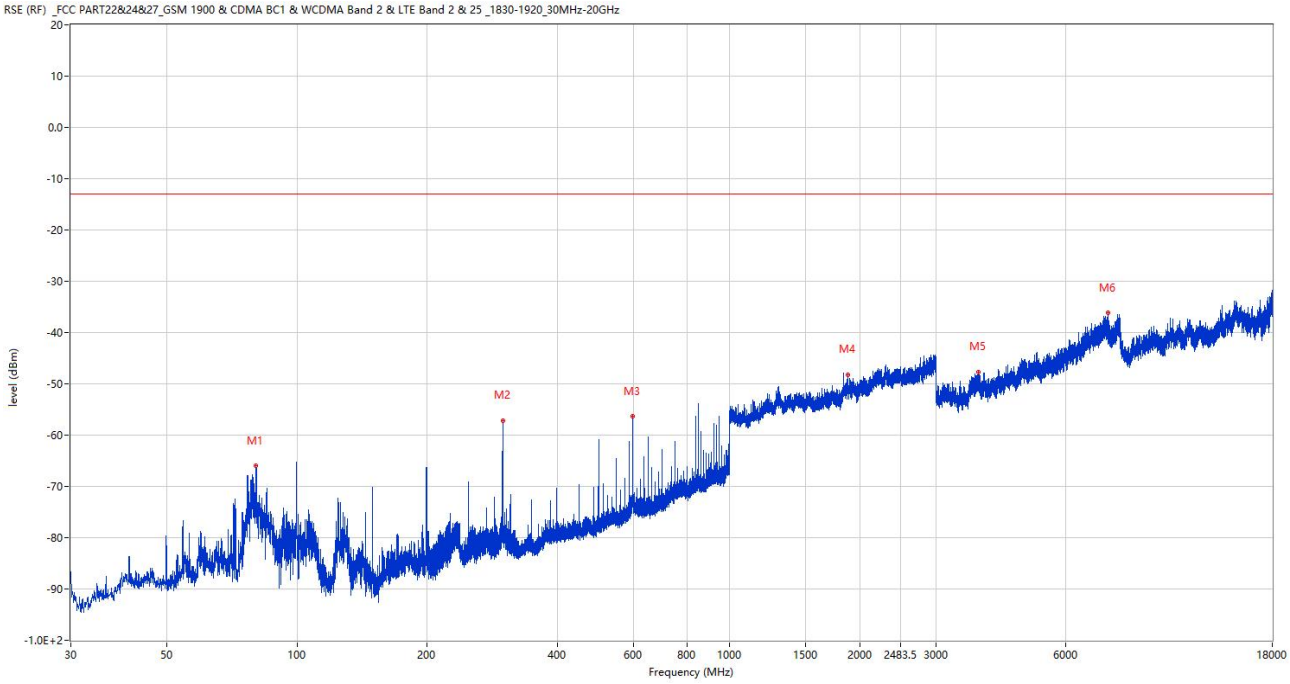
Band:GSM850,Channel:Mid range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.695	-64.92	-17.36	-13.0	51.92	105.00	Horizontal	Horizontal	Pass
299.030	-56.86	-10.38	-13.0	43.86	253.00	Horizontal	Horizontal	Pass
881.612	-60.20	5.76	-13.0	47.20	343.00	Horizontal	Horizontal	N/A
2141.600	-52.75	-0.48	-13.0	39.75	84.00	Horizontal	Horizontal	Pass
3714.500	-48.28	8.59	-13.0	35.28	37.00	Horizontal	Horizontal	Pass
7408.250	-35.81	19.08	-13.0	22.81	255.00	Horizontal	Horizontal	Pass

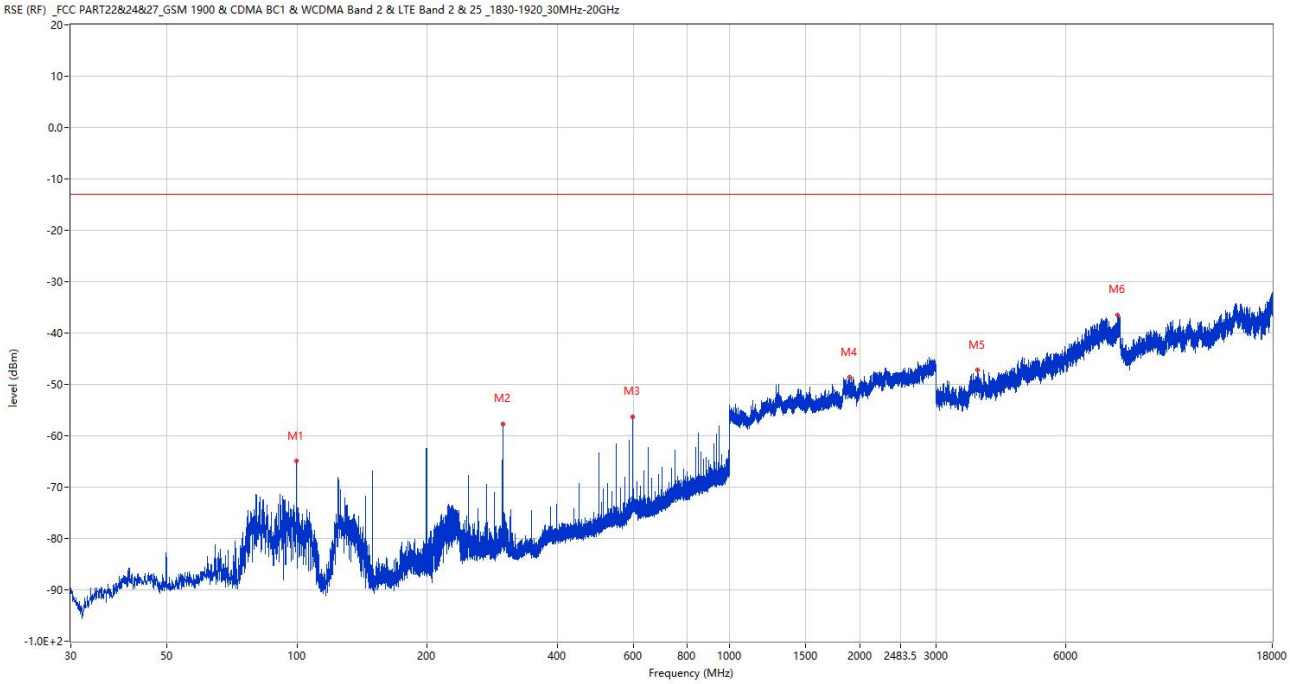
1.2 GSM 1900

Band:GSM1900,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
80.489	-65.88	-19.78	-13.0	52.88	128.00	Vertical	Horizontal	Pass
298.981	-57.11	-13.08	-13.0	44.11	355.00	Vertical	Horizontal	Pass
597.935	-56.38	-4.26	-13.0	43.38	213.00	Vertical	Horizontal	Pass
1882.600	-48.30	3.42	-13.0	35.30	101.00	Vertical	Horizontal	Pass
3759.750	-47.66	8.80	-13.0	34.66	94.00	Vertical	Horizontal	Pass
7492.000	-36.21	18.35	-13.0	23.21	79.00	Vertical	Horizontal	Pass

Band:GSM1900,Channel:Mid Range

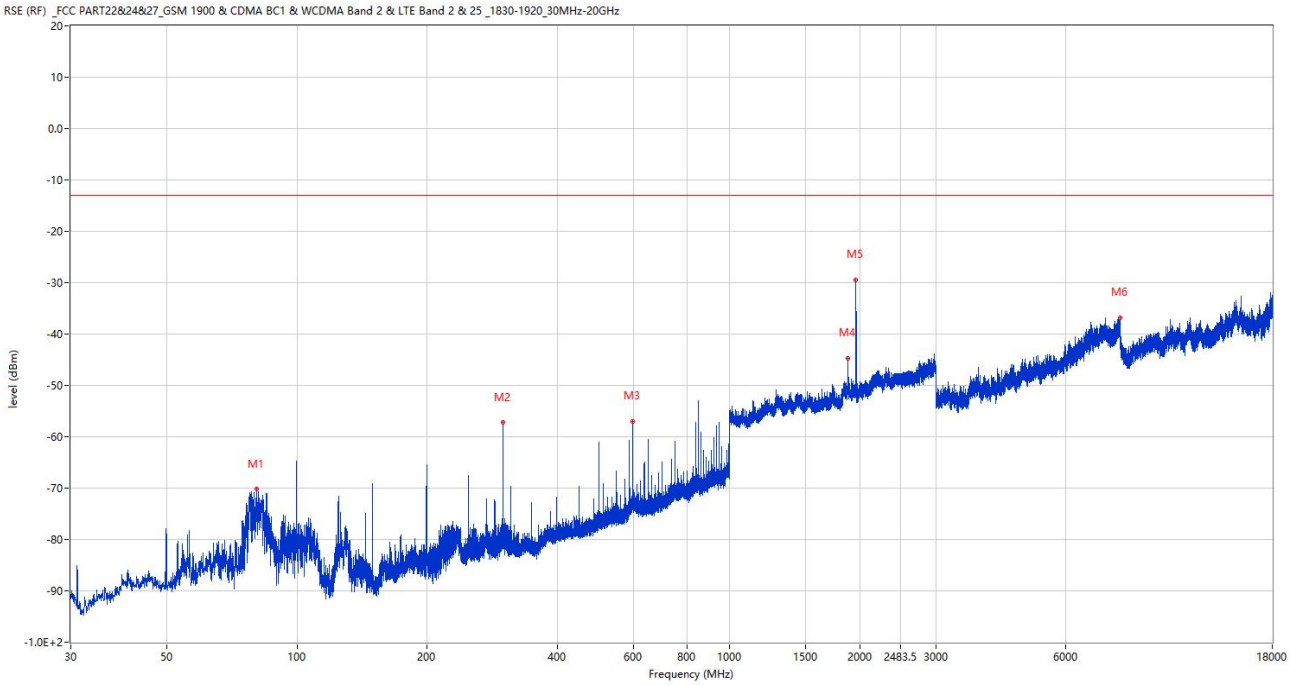


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.695	-64.97	-18.83	-13.0	51.97	76.00	Horizontal	Horizontal	Pass
298.981	-57.70	-13.08	-13.0	44.70	266.00	Horizontal	Horizontal	Pass
598.032	-56.30	-4.25	-13.0	43.30	230.00	Horizontal	Horizontal	Pass
1898.600	-48.62	3.49	-13.0	35.62	360.00	Horizontal	Horizontal	Pass
3749.750	-47.24	8.68	-13.0	34.24	26.00	Horizontal	Horizontal	Pass
7905.500	-36.44	19.27	-13.0	23.44	144.00	Horizontal	Horizontal	Pass

2. WCDMA

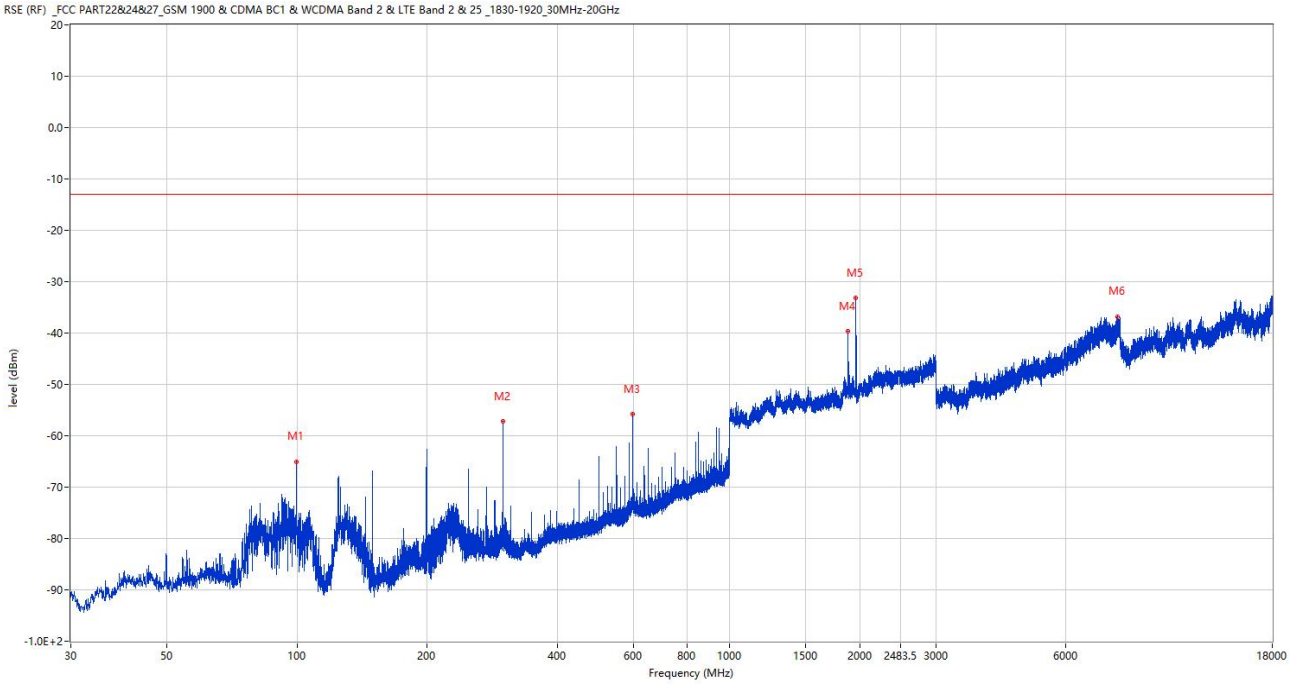
2.1 WCDMA Band 2

Band:WCDMA B2,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
80.780	-70.22	-19.76	-13.0	57.22	152.00	Vertical	Horizontal	Pass
299.126	-57.26	-13.09	-13.0	44.26	360.00	Vertical	Horizontal	Pass
598.226	-56.99	-4.23	-13.0	43.99	215.00	Vertical	Horizontal	Pass
1881.900	-44.73	3.42	-13.0	31.73	347.00	Vertical	Horizontal	N/A
1959.800	-29.44	2.91	-13.0	16.44	315.00	Vertical	Horizontal	N/A
7992.500	-36.78	19.98	-13.0	23.78	97.00	Vertical	Horizontal	Pass

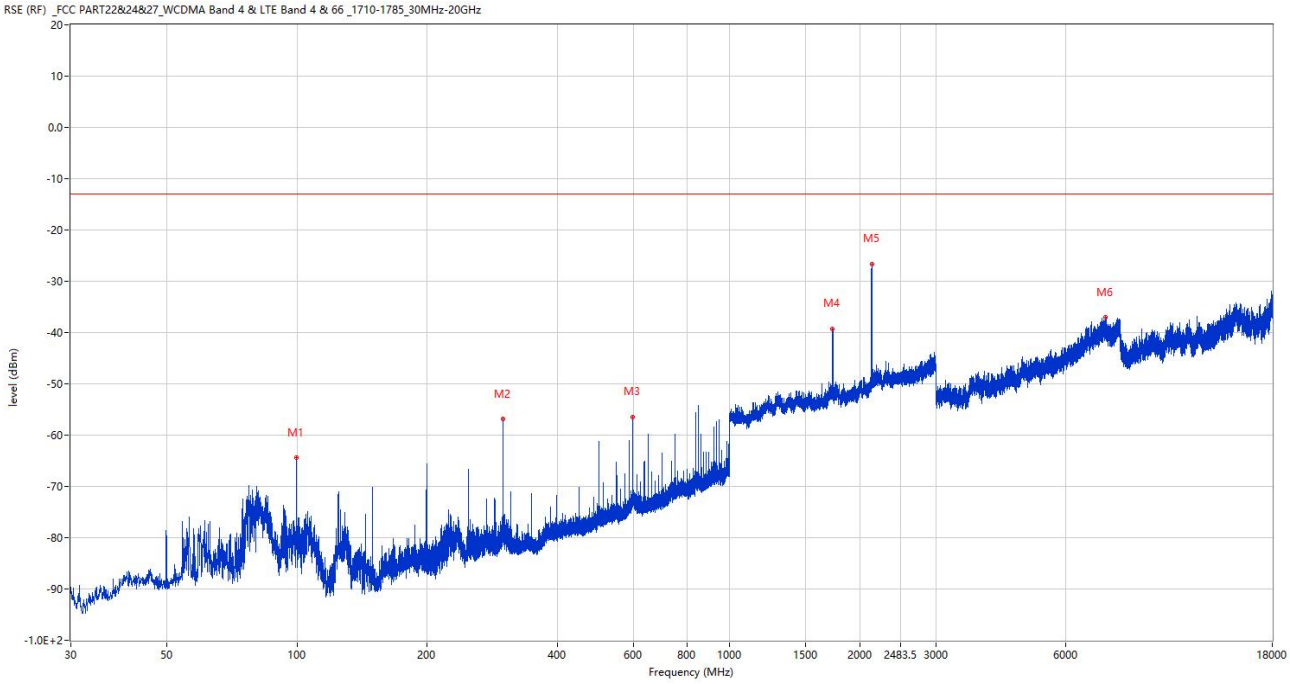
Band:WCDMA B2,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-65.04	-18.84	-13.0	52.04	82.00	Horizontal	Horizontal	Pass
299.175	-57.24	-13.09	-13.0	44.24	257.00	Horizontal	Horizontal	Pass
598.226	-55.80	-4.23	-13.0	42.80	224.00	Horizontal	Horizontal	Pass
1882.000	-39.71	3.42	-13.0	26.71	356.00	Horizontal	Horizontal	N/A
1962.000	-33.24	2.71	-13.0	20.24	199.00	Horizontal	Horizontal	N/A
7912.250	-36.80	19.33	-13.0	23.80	298.00	Horizontal	Horizontal	Pass

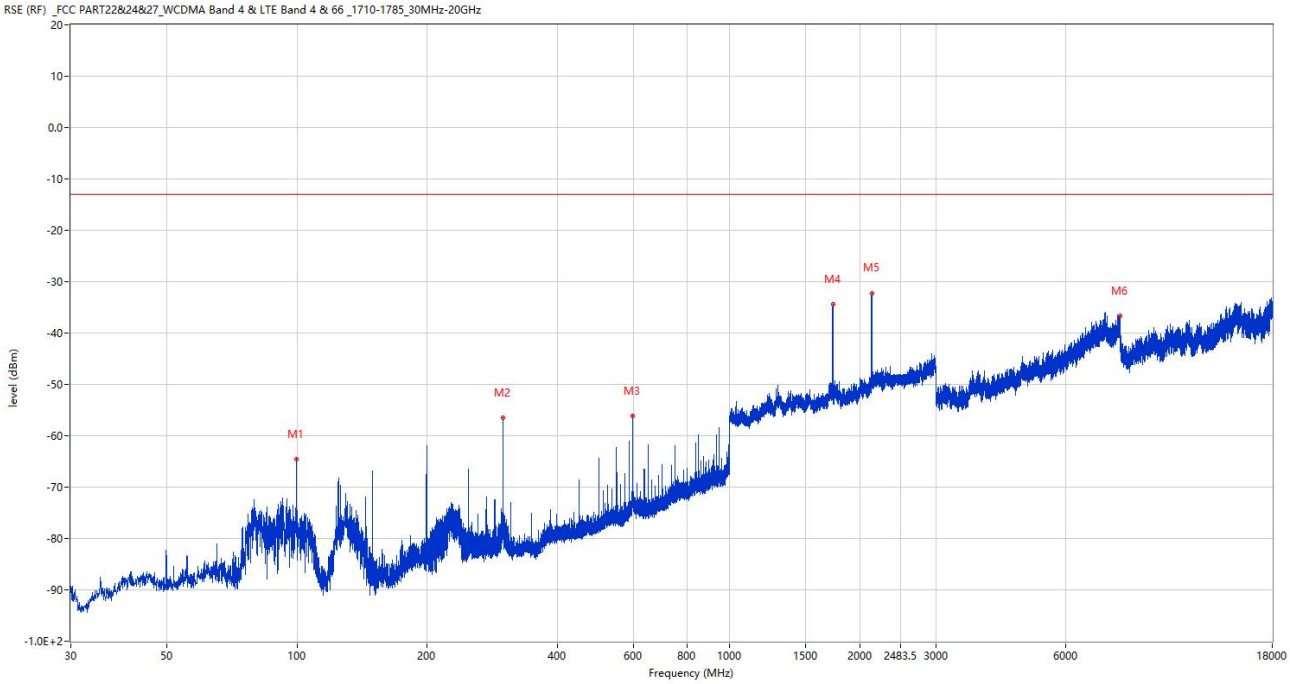
2.2 WCDMA Band 4

Band:WCDMA B4,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-64.43	-18.84	-13.0	51.43	199.00	Vertical	Horizontal	Pass
299.126	-56.85	-13.09	-13.0	43.85	360.00	Vertical	Horizontal	Pass
598.274	-56.41	-4.23	-13.0	43.41	210.00	Vertical	Horizontal	Pass
1732.000	-39.28	2.79	-13.0	26.28	360.00	Vertical	Horizontal	N/A
2133.600	-26.62	4.04	-13.0	13.62	347.00	Vertical	Horizontal	N/A
7405.500	-37.02	19.03	-13.0	24.02	222.00	Vertical	Horizontal	Pass

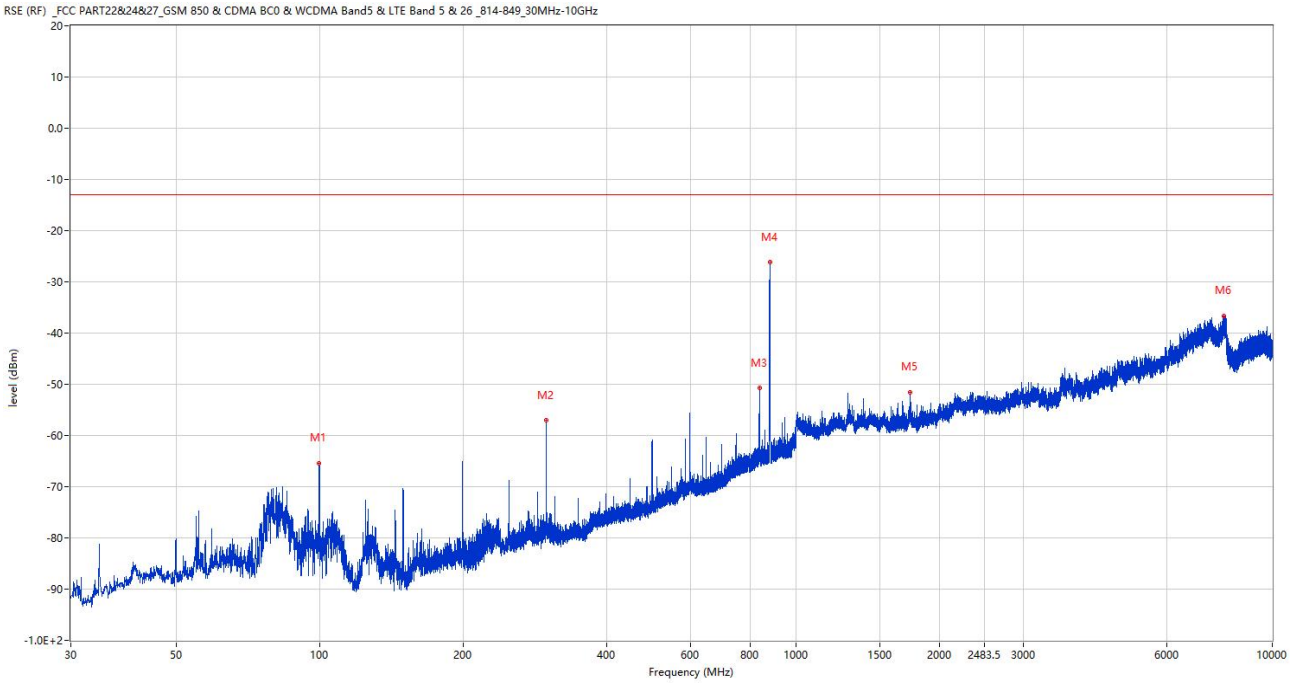
Band:WCDMA B4,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-64.64	-18.84	-13.0	51.64	104.00	Horizontal	Horizontal	Pass
299.175	-56.57	-13.09	-13.0	43.57	256.00	Horizontal	Horizontal	Pass
598.323	-56.20	-4.22	-13.0	43.20	329.00	Horizontal	Horizontal	Pass
1734.400	-34.41	2.76	-13.0	21.41	360.00	Horizontal	Horizontal	N/A
2134.100	-32.22	4.06	-13.0	19.22	360.00	Horizontal	Horizontal	N/A
7995.000	-36.75	20.05	-13.0	23.75	328.00	Horizontal	Horizontal	Pass

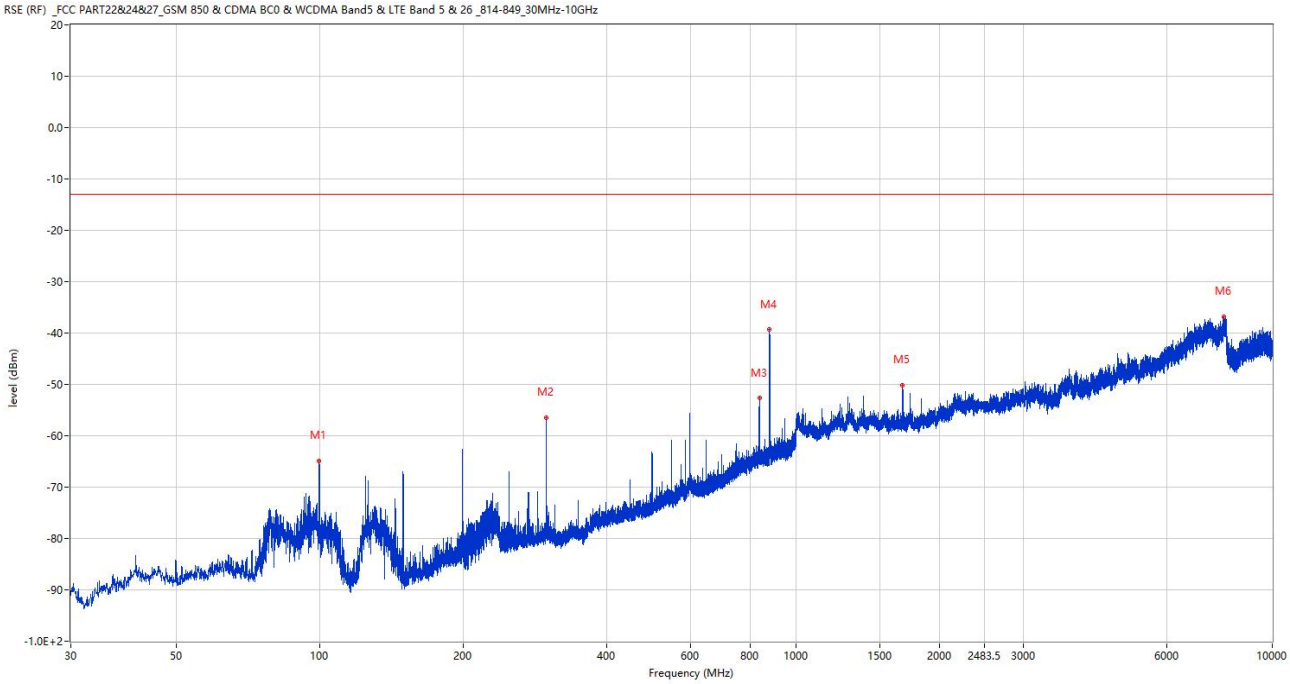
2.3 WCDMA Band 5

Band:WCDMA B5,Channel:Mid Range



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-65.40	-17.37	-13.0	52.40	164.00	Vertical	Horizontal	Pass
299.175	-57.08	-10.39	-13.0	44.08	360.00	Vertical	Horizontal	Pass
837.865	-50.70	5.75	-13.0	37.70	178.00	Vertical	Horizontal	N/A
880.351	-26.18	5.82	-13.0	13.18	233.00	Vertical	Horizontal	N/A
1733.600	-51.50	-3.19	-13.0	38.50	360.00	Vertical	Horizontal	Pass
7915.000	-36.62	19.31	-13.0	23.62	0.00	Vertical	Horizontal	Pass

Band:WCDMA B5,Channel:Mid Range

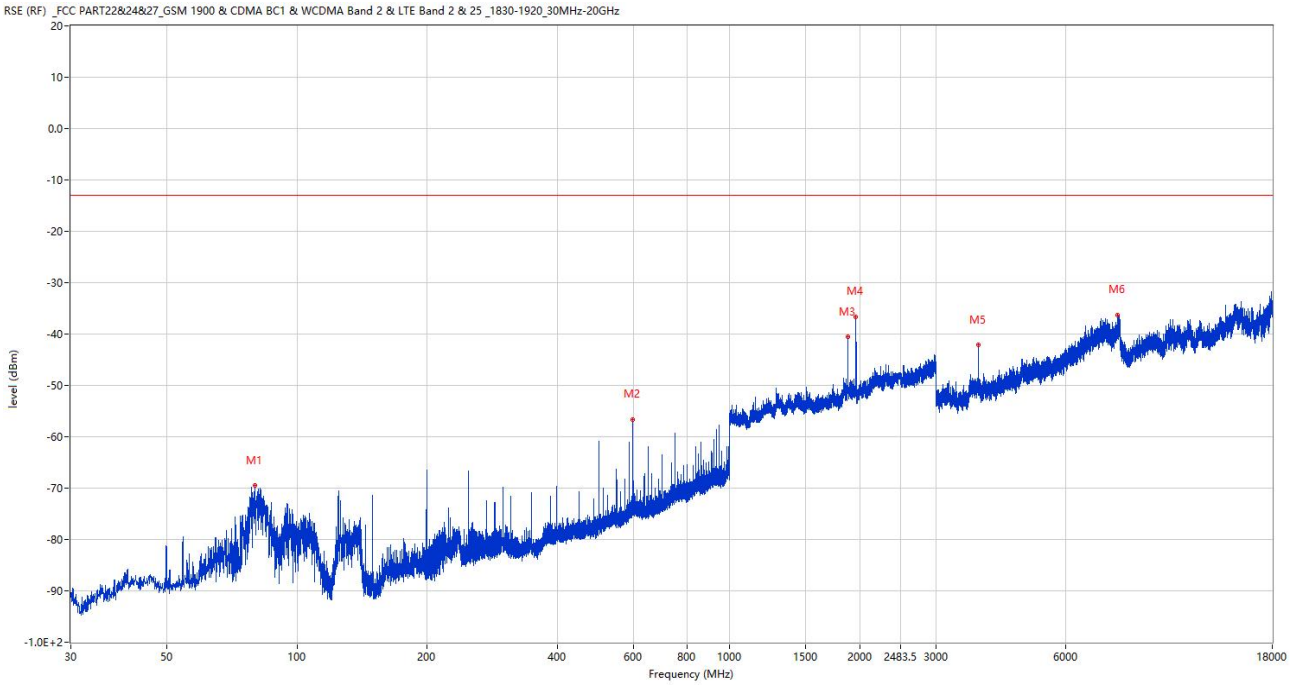


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-64.86	-17.37	-13.0	51.86	94.00	Horizontal	Horizontal	Pass
299.175	-56.47	-10.39	-13.0	43.47	256.00	Horizontal	Horizontal	Pass
837.719	-52.64	5.74	-13.0	39.64	332.00	Horizontal	Horizontal	N/A
879.865	-39.31	5.84	-13.0	26.31	351.00	Horizontal	Horizontal	N/A
1671.700	-50.12	-3.64	-13.0	37.12	345.00	Horizontal	Horizontal	Pass
7901.500	-36.84	19.19	-13.0	23.84	311.00	Horizontal	Horizontal	Pass

3. LTE

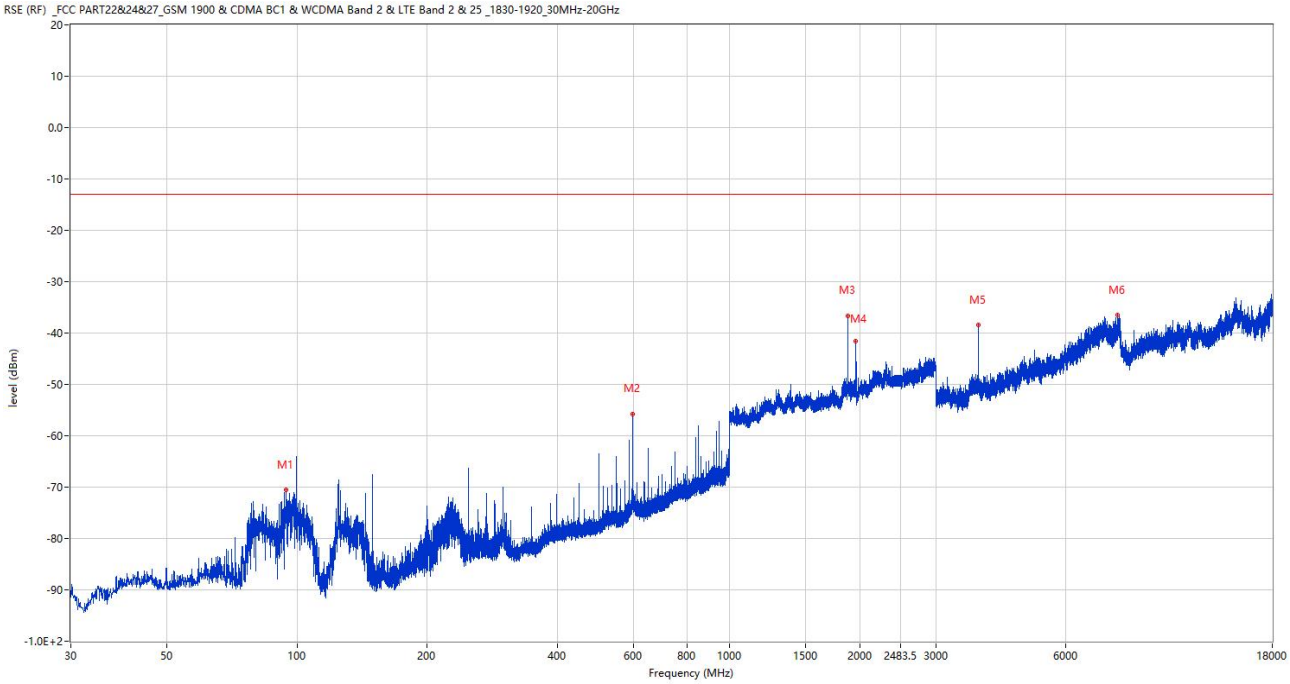
3.1 LTE Band 2

Band:LTE B2,Channel:18900,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
79.907	-69.55	-19.81	-13.0	56.55	177.00	Vertical	Horizontal	Pass
598.372	-56.63	-4.22	-13.0	43.63	210.00	Vertical	Horizontal	Pass
1881.000	-40.59	3.42	-13.0	27.59	321.00	Vertical	Horizontal	N/A
1962.100	-36.63	2.70	-13.0	23.63	360.00	Vertical	Horizontal	N/A
3760.750	-42.19	8.75	-13.0	29.19	110.00	Vertical	Horizontal	Pass
7899.750	-36.30	19.16	-13.0	23.30	93.00	Vertical	Horizontal	Pass

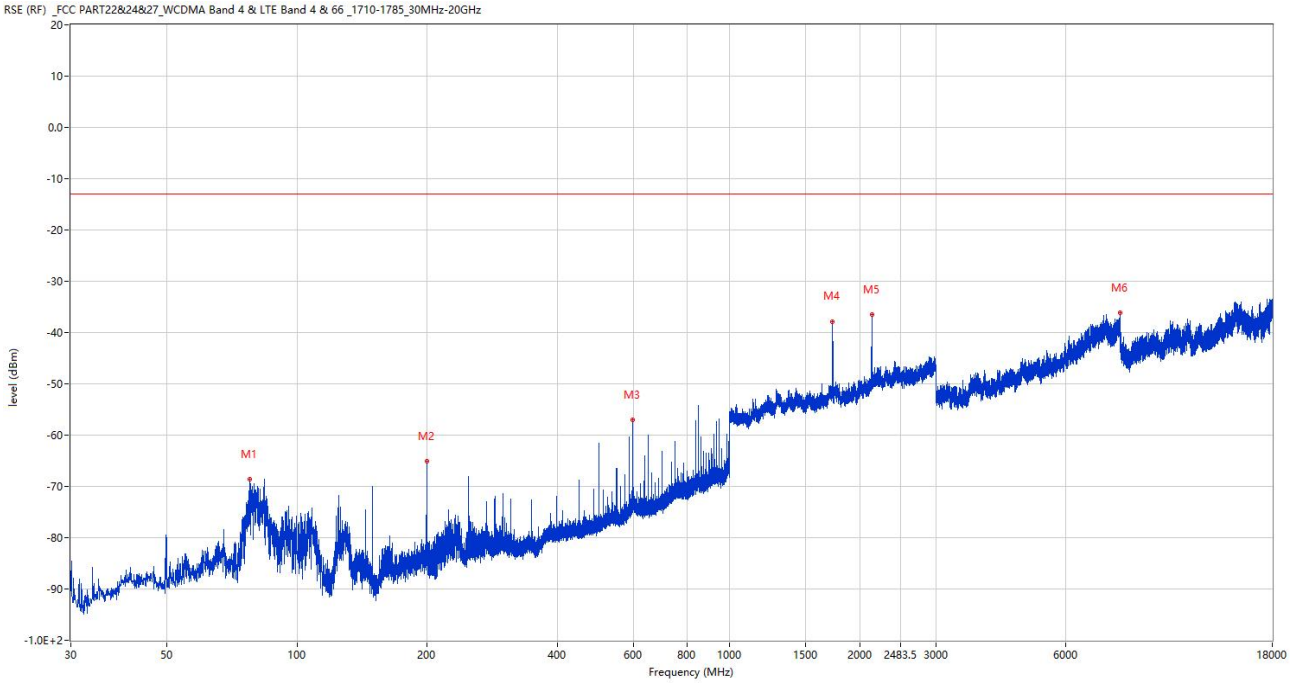
Band:LTE B2,Channel:18900,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
94.408	-70.60	-19.10	-13.0	57.60	125.00	Horizontal	Horizontal	Pass
598.323	-55.74	-4.22	-13.0	42.74	319.00	Horizontal	Horizontal	Pass
1881.100	-36.65	3.42	-13.0	23.65	354.00	Horizontal	Horizontal	N/A
1962.400	-41.55	2.67	-13.0	28.55	204.00	Horizontal	Horizontal	N/A
3761.000	-38.47	8.74	-13.0	25.47	33.00	Horizontal	Horizontal	Pass
7896.750	-36.55	19.09	-13.0	23.55	122.00	Horizontal	Horizontal	Pass

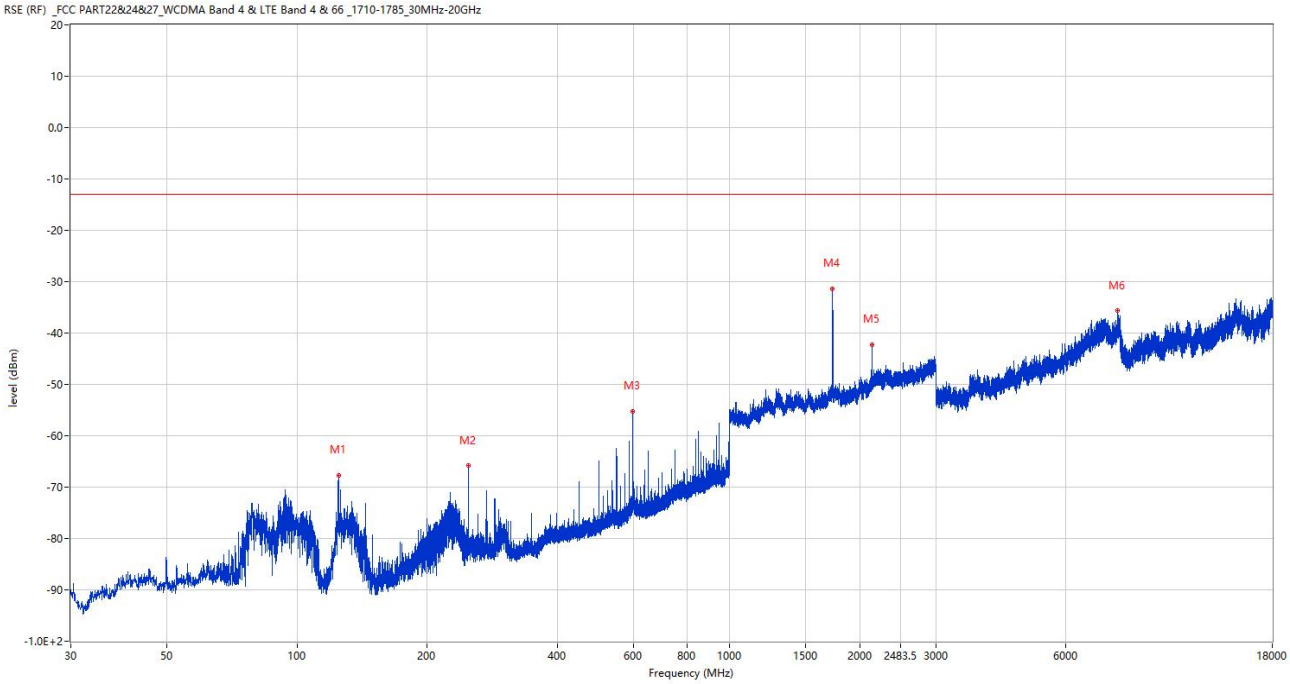
3.2 LTE Band 4

Band:LTE B4,Channel:21475,BW1.4



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
77.918	-68.66	-19.57	-13.0	55.66	171.00	Vertical	Horizontal	Pass
199.459	-65.08	-18.08	-13.0	52.08	294.00	Vertical	Horizontal	Pass
598.372	-57.05	-4.22	-13.0	44.05	204.00	Vertical	Horizontal	Pass
1732.900	-37.85	2.78	-13.0	24.85	360.00	Vertical	Horizontal	N/A
2133.400	-36.55	4.03	-13.0	23.55	358.00	Vertical	Horizontal	N/A
7996.000	-36.18	20.09	-13.0	23.18	138.00	Vertical	Horizontal	Pass

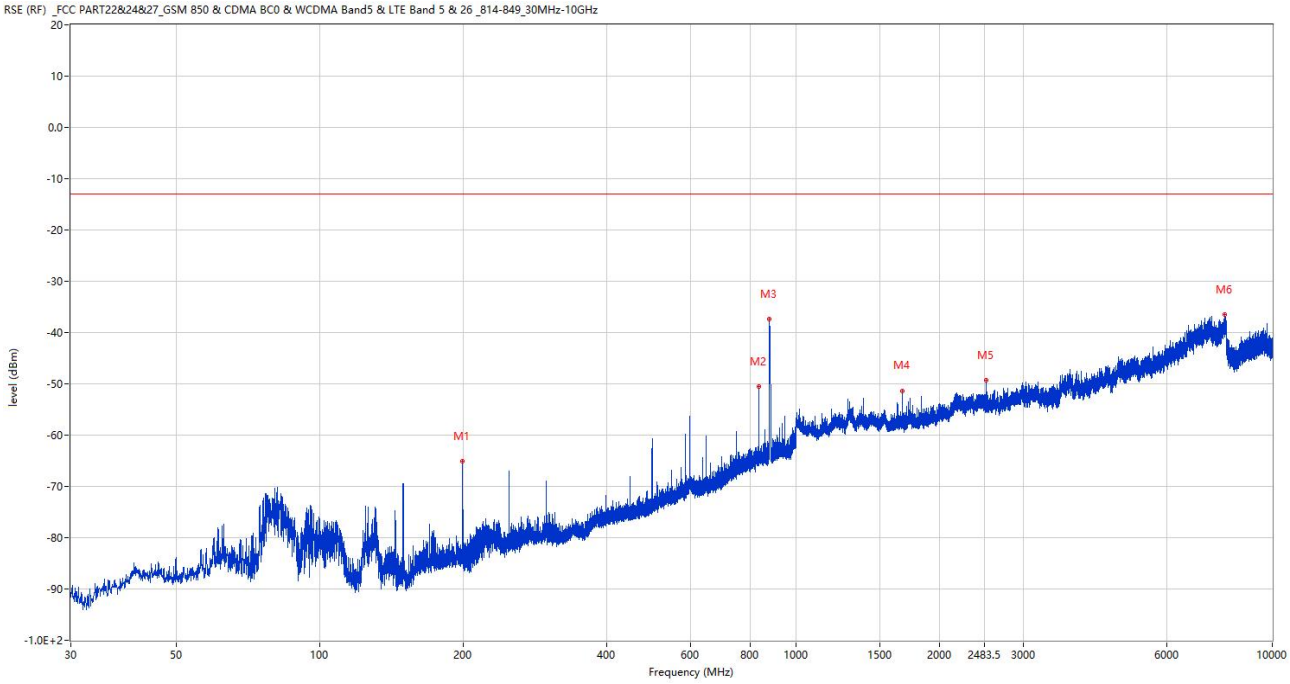
Band:LTE B4,Channel:21475,BW1.4



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
124.720	-67.66	-21.46	-13.0	54.66	130.00	Horizontal	Horizontal	Pass
249.365	-65.87	-14.21	-13.0	52.87	122.00	Horizontal	Horizontal	Pass
598.372	-55.29	-4.22	-13.0	42.29	325.00	Horizontal	Horizontal	Pass
1732.800	-31.42	2.78	-13.0	18.42	347.00	Horizontal	Horizontal	N/A
2133.300	-42.24	4.03	-13.0	29.24	9.00	Horizontal	Horizontal	N/A
7910.250	-35.62	19.35	-13.0	22.62	96.00	Horizontal	Horizontal	Pass

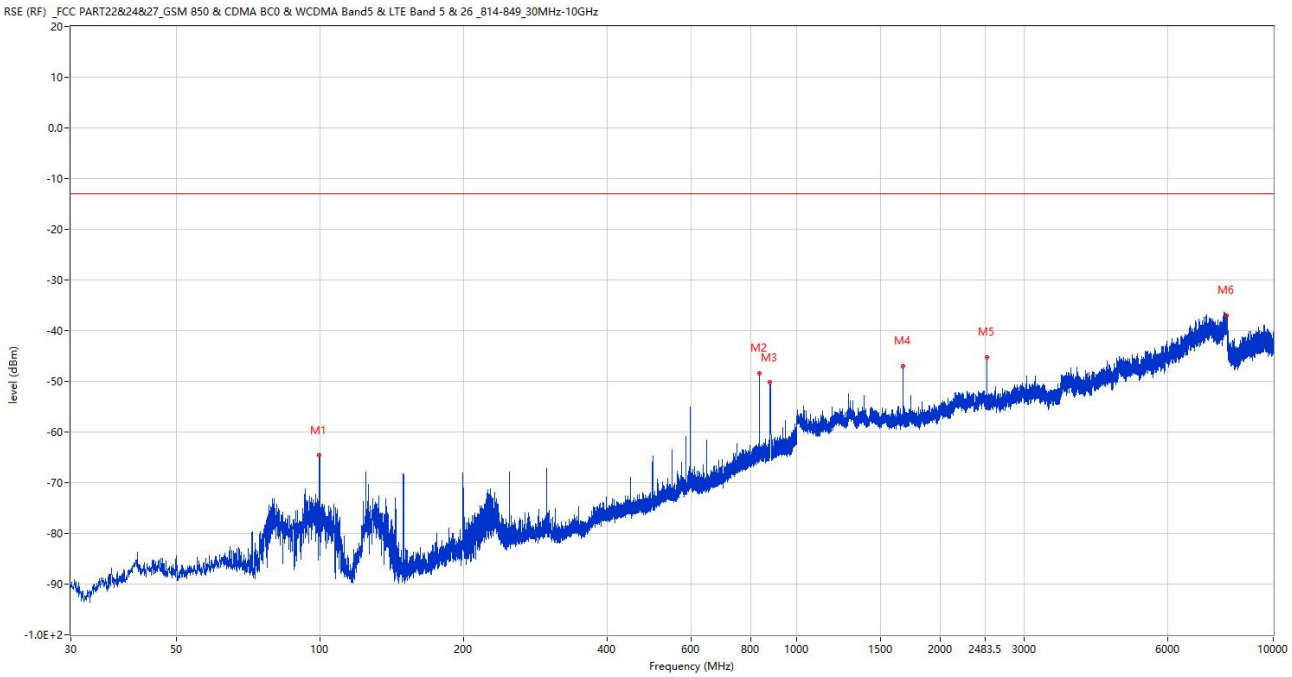
3.3 LTE Band 5

Band:LTE B5,Channel:20425,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
199.459	-65.13	-15.85	-13.0	52.13	37.00	Vertical	Horizontal	Pass
836.700	-50.57	5.72	-13.0	37.57	11.00	Vertical	Horizontal	N/A
879.623	-37.42	5.86	-13.0	24.42	226.00	Vertical	Horizontal	N/A
1674.000	-51.32	-3.70	-13.0	38.32	338.00	Vertical	Horizontal	Pass
2511.100	-49.37	0.55	-13.0	36.37	40.00	Vertical	Horizontal	Pass
7954.250	-36.57	19.75	-13.0	23.57	120.00	Vertical	Horizontal	Pass

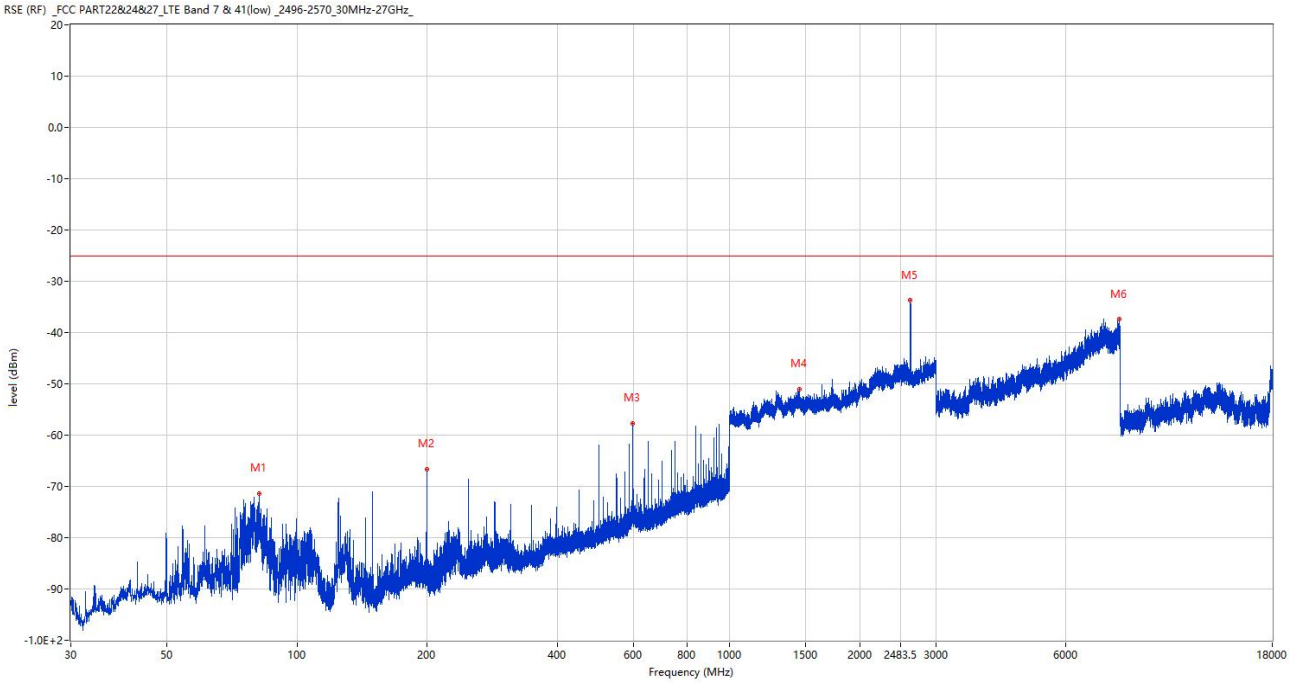
Band:LTE B5,Channel:20425,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-64.59	-17.37	-13.0	51.59	106.00	Horizontal	Horizontal	Pass
836.700	-48.34	5.72	-13.0	35.34	314.00	Horizontal	Horizontal	N/A
879.817	-50.11	5.84	-13.0	37.11	350.00	Horizontal	Horizontal	N/A
1674.200	-46.99	-3.70	-13.0	33.99	343.00	Horizontal	Horizontal	Pass
2511.000	-45.28	0.54	-13.0	32.28	360.00	Horizontal	Horizontal	Pass
7981.500	-36.95	19.87	-13.0	23.95	56.00	Horizontal	Horizontal	Pass

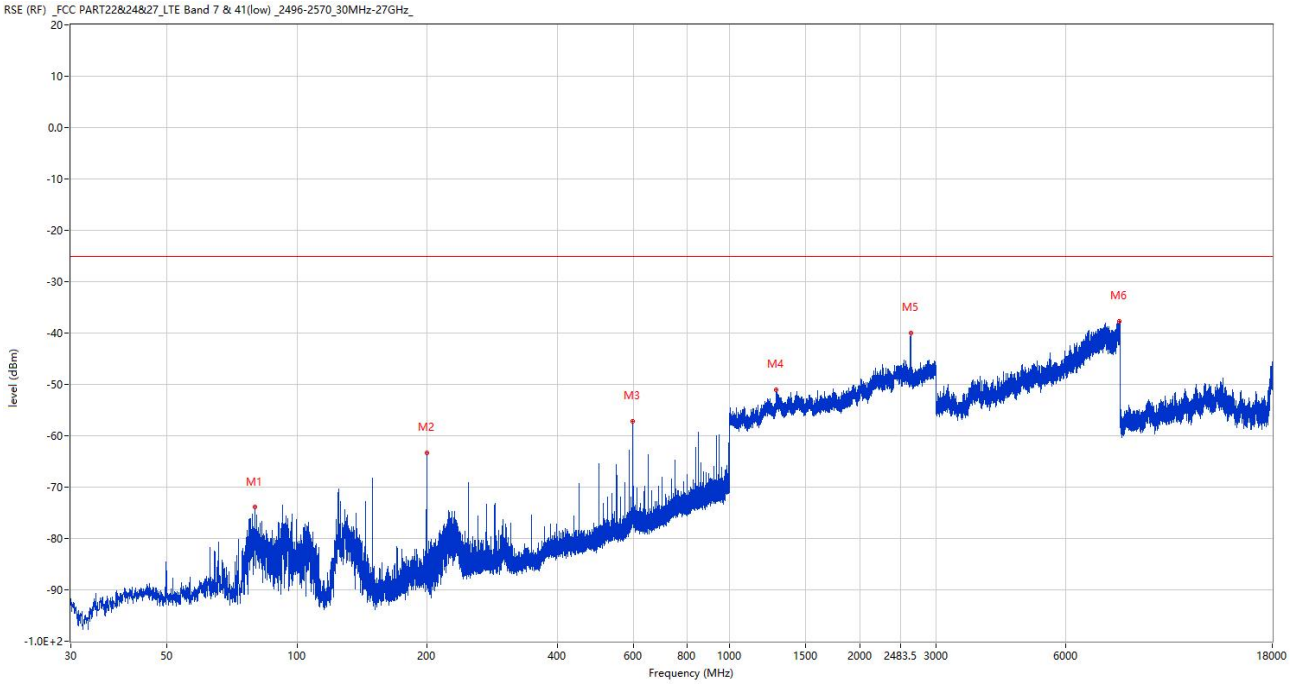
3.4 LTE Band 7

Band:LTE B7,Channel:20775,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
81.652	-71.44	-19.70	-25.0	46.44	92.00	Vertical	Horizontal	Pass
199.459	-66.59	-18.08	-25.0	41.59	48.00	Vertical	Horizontal	Pass
598.372	-57.65	-4.22	-25.0	32.65	204.00	Vertical	Horizontal	Pass
1451.000	-51.05	0.68	-25.0	26.05	334.00	Vertical	Horizontal	Pass
2622.400	-33.76	6.79	-25.0	8.76	321.00	Vertical	Horizontal	N/A
7956.750	-37.45	19.77	-25.0	12.45	209.00	Vertical	Horizontal	Pass

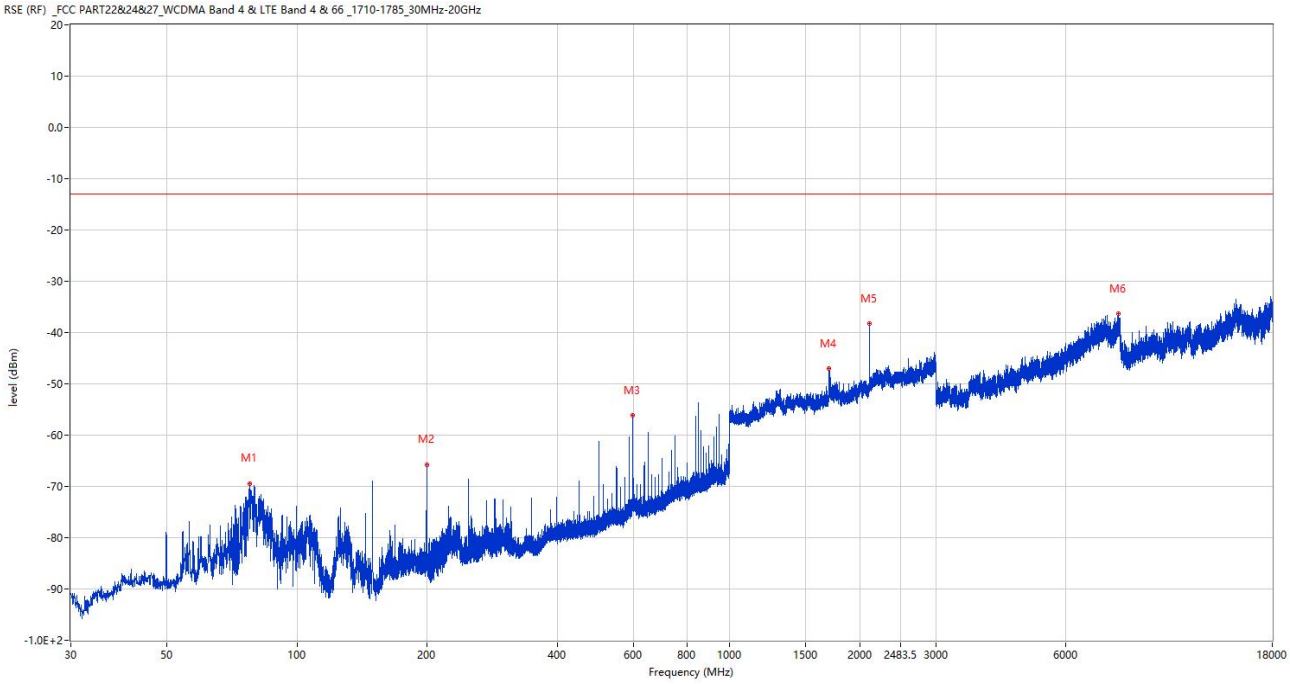
Band:LTE B7,Channel:20775,BW5



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
79.907	-73.87	-19.81	-25.0	48.87	100.00	Horizontal	Horizontal	Pass
199.459	-63.26	-18.08	-25.0	38.26	133.00	Horizontal	Horizontal	Pass
598.420	-57.16	-4.21	-25.0	32.16	222.00	Horizontal	Horizontal	Pass
1285.200	-51.11	0.33	-25.0	26.11	4.00	Horizontal	Horizontal	Pass
2623.400	-39.93	6.80	-25.0	14.93	199.00	Horizontal	Horizontal	N/A
7958.500	-37.71	19.78	-25.0	12.71	18.00	Horizontal	Horizontal	Pass

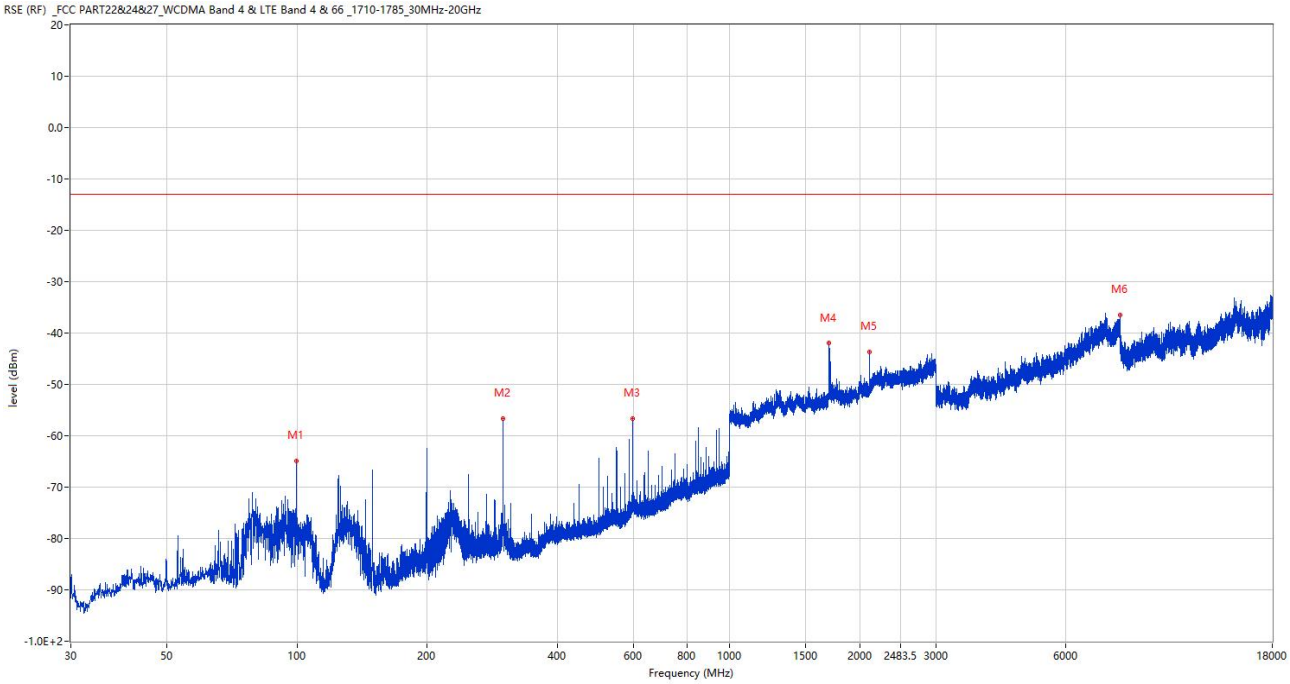
3.5 LTE Band 66

Band:LTE B66,Channel:131979,BW1.4



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
77.869	-69.46	-19.57	-13.0	56.46	147.00	Vertical	Horizontal	Pass
199.508	-65.70	-18.09	-13.0	52.70	40.00	Vertical	Horizontal	Pass
598.323	-56.20	-4.22	-13.0	43.20	206.00	Vertical	Horizontal	Pass
1711.900	-47.03	2.51	-13.0	34.03	179.00	Vertical	Horizontal	N/A
2111.400	-38.27	3.96	-13.0	25.27	349.00	Vertical	Horizontal	N/A
7923.250	-36.40	19.21	-13.0	23.40	319.00	Vertical	Horizontal	Pass

Band:LTE B66,Channel:131979,BW1.4



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
99.743	-64.85	-18.84	-13.0	51.85	85.00	Horizontal	Horizontal	Pass
299.175	-56.58	-13.09	-13.0	43.58	249.00	Horizontal	Horizontal	Pass
598.372	-56.62	-4.22	-13.0	43.62	226.00	Horizontal	Horizontal	Pass
1710.900	-41.96	2.52	-13.0	28.96	349.00	Horizontal	Horizontal	N/A
2111.600	-43.67	3.96	-13.0	30.67	106.00	Horizontal	Horizontal	N/A
7996.500	-36.41	20.10	-13.0	23.41	123.00	Horizontal	Horizontal	Pass

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