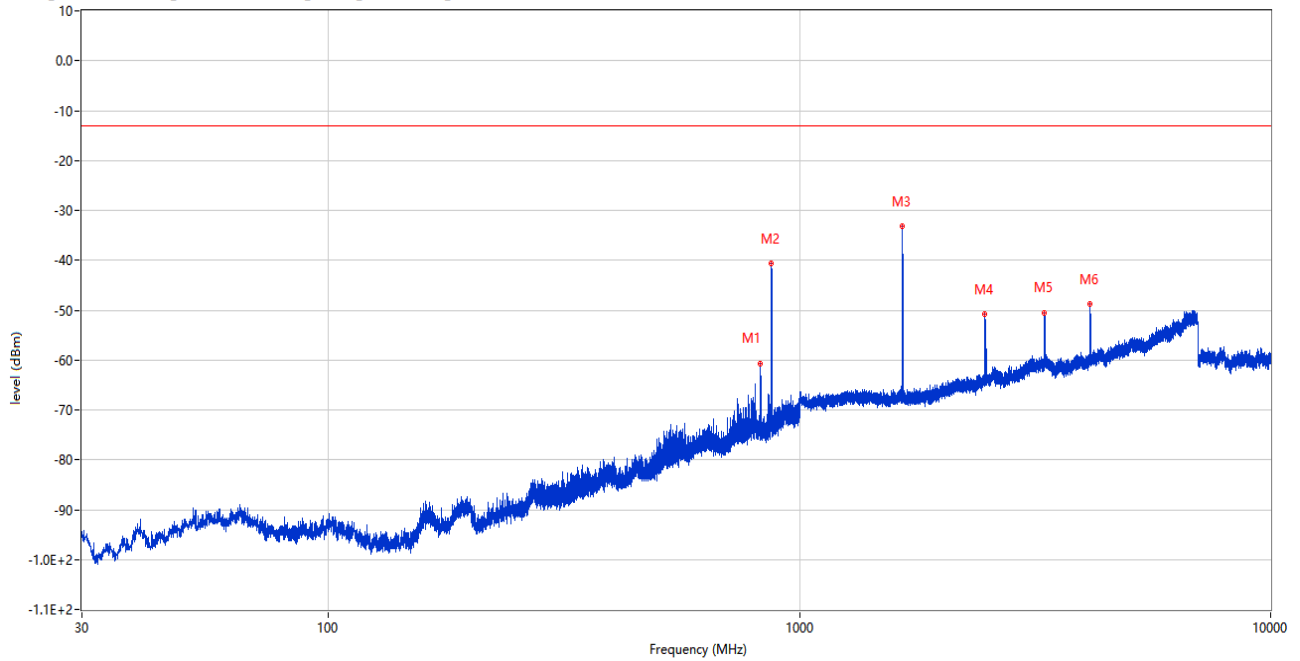


A.7 Field Strength of Spurious Radiation

Band: CAT-M B18,Channel:HIGH range,BW:5M

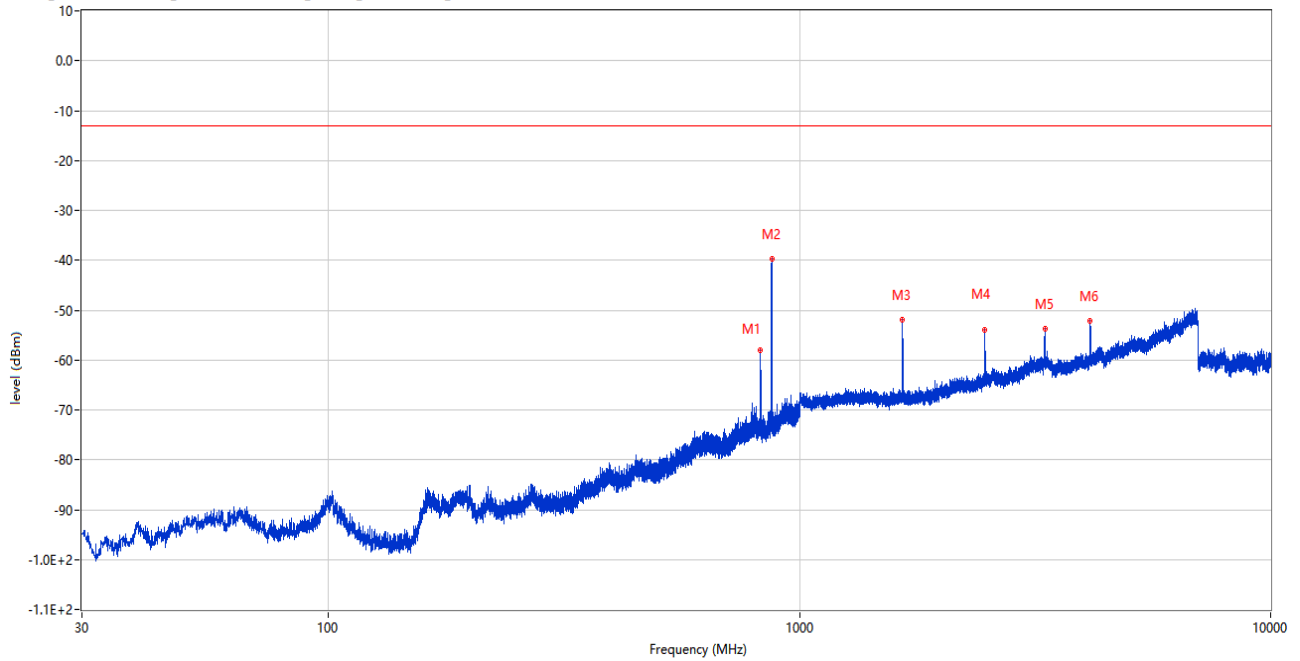
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.303	-60.72	3.00	-13.0	47.72	173.00	Horizontal	Horizontal	N/A
871.087	-40.62	3.72	-13.0	27.62	0.00	Horizontal	Horizontal	N/A
1650.700	-33.21	-6.69	-13.0	20.21	339.00	Horizontal	Horizontal	Pass
2476.400	-50.90	-2.14	-13.0	37.90	282.00	Horizontal	Horizontal	Pass
3301.200	-50.46	3.08	-13.0	37.46	280.00	Horizontal	Horizontal	Pass
4126.600	-48.84	3.76	-13.0	35.84	273.00	Horizontal	Horizontal	Pass

Band: CAT-M B18,Channel:HIGH range,BW:5M

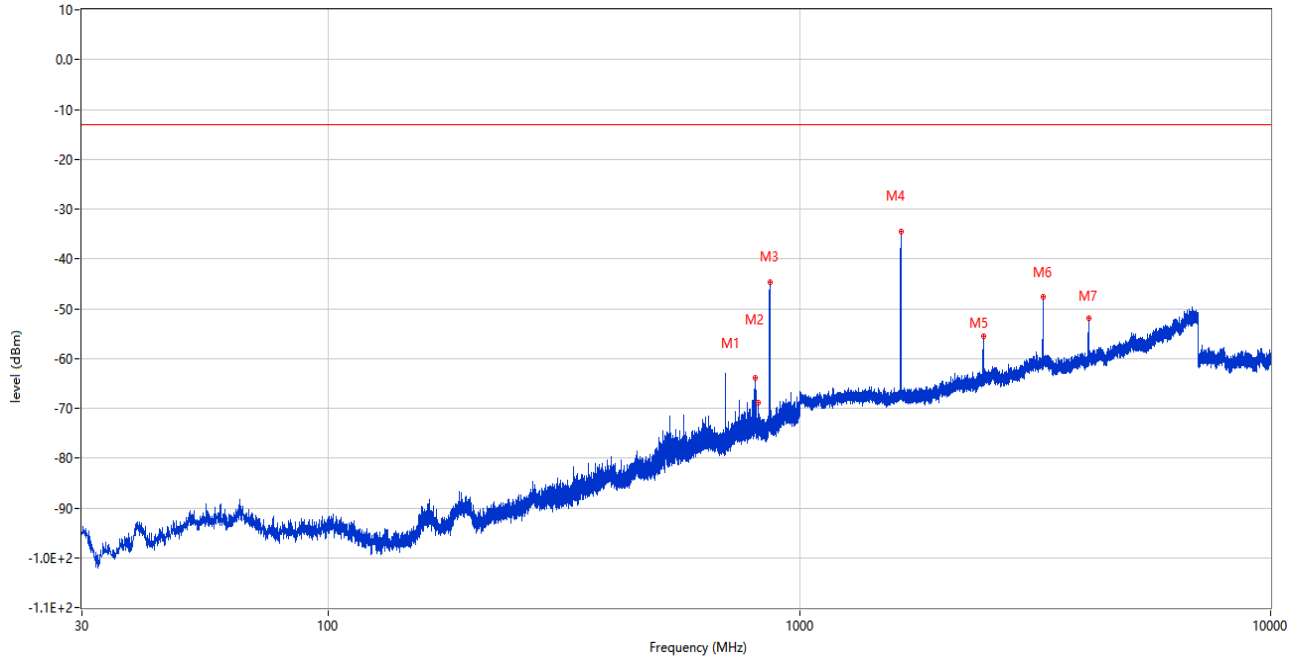
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.303	-57.95	3.00	-13.0	44.95	87.00	Vertical	Horizontal	N/A
874.433	-39.63	2.60	-13.0	26.63	236.00	Vertical	Horizontal	N/A
1650.800	-52.01	-6.62	-13.0	39.01	6.00	Vertical	Horizontal	Pass
2475.900	-53.87	-2.23	-13.0	40.87	72.00	Vertical	Horizontal	Pass
3319.000	-53.72	3.03	-13.0	40.72	341.00	Vertical	Horizontal	Pass
4126.600	-52.08	3.76	-13.0	39.08	230.00	Vertical	Horizontal	Pass

Band: CAT-M B18,Channel:MID range,BW:5M

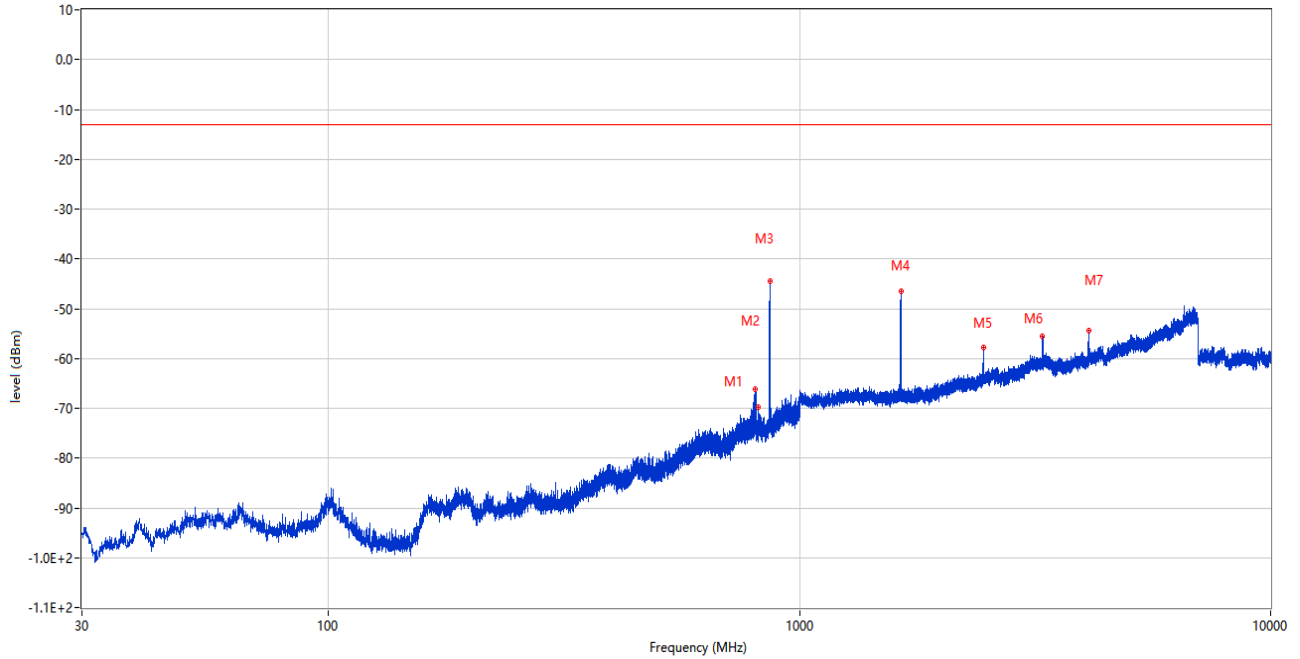
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
806.630	-63.95	2.85	-13.0	50.95	194.00	Horizontal	Horizontal	Pass
818.174	-68.77	2.98	-13.0	55.77	216.00	Horizontal	Horizontal	N/A
866.286	-44.59	3.52	-13.0	31.59	4.00	Horizontal	Horizontal	N/A
1643.400	-34.54	-7.17	-13.0	21.54	348.00	Horizontal	Horizontal	Pass
2465.300	-55.47	-3.20	-13.0	42.47	83.00	Horizontal	Horizontal	Pass
3286.800	-47.69	2.25	-13.0	34.69	253.00	Horizontal	Horizontal	Pass
4108.800	-51.91	3.02	-13.0	38.91	283.00	Horizontal	Horizontal	Pass

Band: CAT-M B18,Channel:MID range,BW:5M

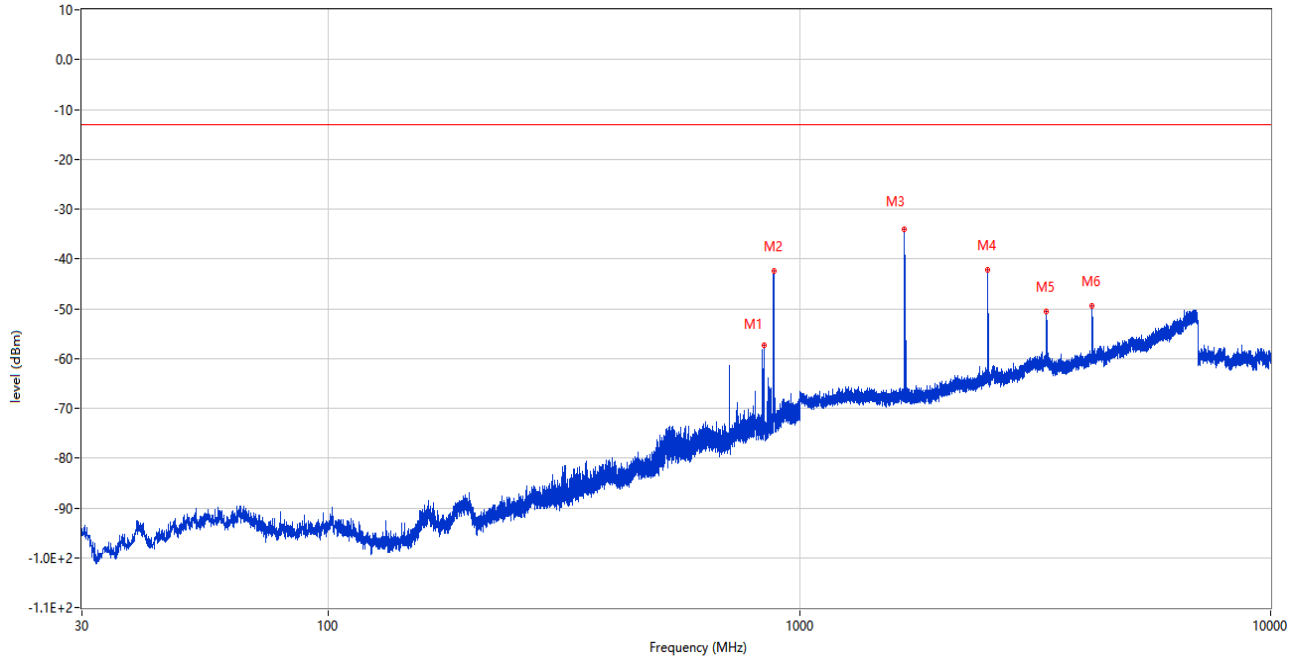
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
805.418	-66.09	2.94	-13.0	53.09	62.00	Vertical	Horizontal	Pass
818.076	-69.74	2.98	-13.0	56.74	23.00	Vertical	Horizontal	N/A
866.092	-44.50	3.38	-13.0	31.50	192.00	Vertical	Horizontal	N/A
1643.200	-46.40	-7.25	-13.0	33.40	202.00	Vertical	Horizontal	Pass
2464.700	-57.76	-2.87	-13.0	44.76	5.00	Vertical	Horizontal	Pass
3271.000	-55.51	2.77	-13.0	42.51	309.00	Vertical	Horizontal	Pass
4108.400	-54.40	3.00	-13.0	41.40	0.00	Vertical	Horizontal	Pass

Band: CAT-M B19,Channel:MID range,BW:5M

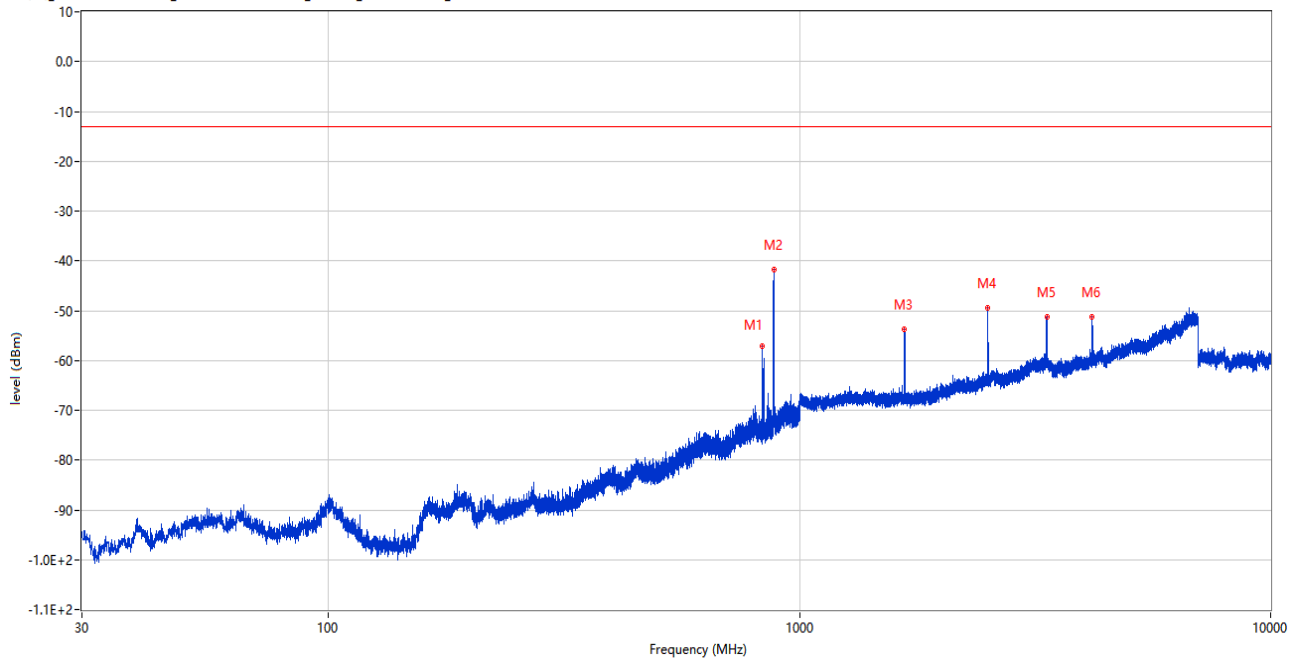
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
839.659	-57.33	2.97	-13.0	44.33	155.00	Horizontal	Horizontal	N/A
884.570	-42.39	3.32	-13.0	29.39	0.00	Horizontal	Horizontal	N/A
1670.400	-34.05	-6.57	-13.0	21.05	347.00	Horizontal	Horizontal	Pass
2506.500	-42.17	-2.14	-13.0	29.17	141.00	Horizontal	Horizontal	Pass
3341.800	-50.59	1.97	-13.0	37.59	175.00	Horizontal	Horizontal	Pass
4176.600	-49.36	2.93	-13.0	36.36	259.00	Horizontal	Horizontal	Pass

Band: CAT-M B19,Channel:MID range,BW:5M

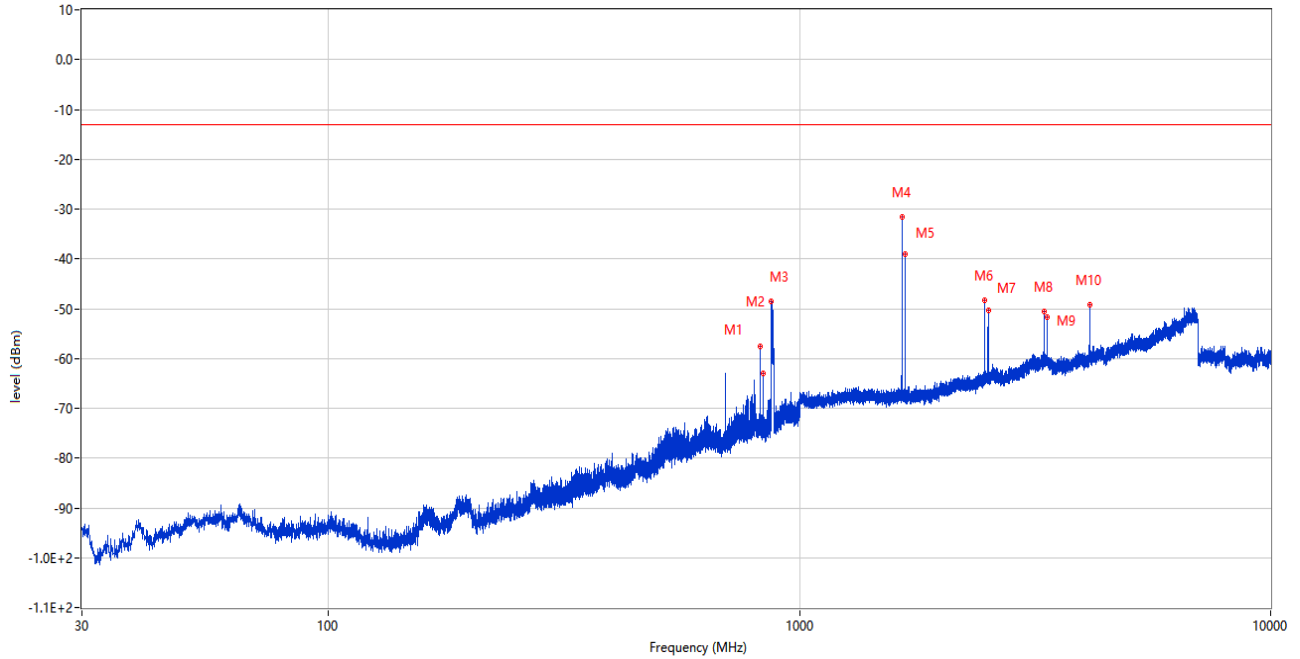
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
835.343	-57.07	2.98	-13.0	44.07	30.00	Vertical	Horizontal	N/A
884.182	-41.74	2.95	-13.0	28.74	335.00	Vertical	Horizontal	N/A
1670.500	-53.68	-6.62	-13.0	40.68	241.00	Vertical	Horizontal	Pass
2505.700	-49.37	-2.09	-13.0	36.37	81.00	Vertical	Horizontal	Pass
3358.200	-51.20	3.35	-13.0	38.20	310.00	Vertical	Horizontal	Pass
4176.600	-51.33	2.93	-13.0	38.33	36.00	Vertical	Horizontal	Pass

Band: CAT-M B26,Channel:LOW range,BW:15M

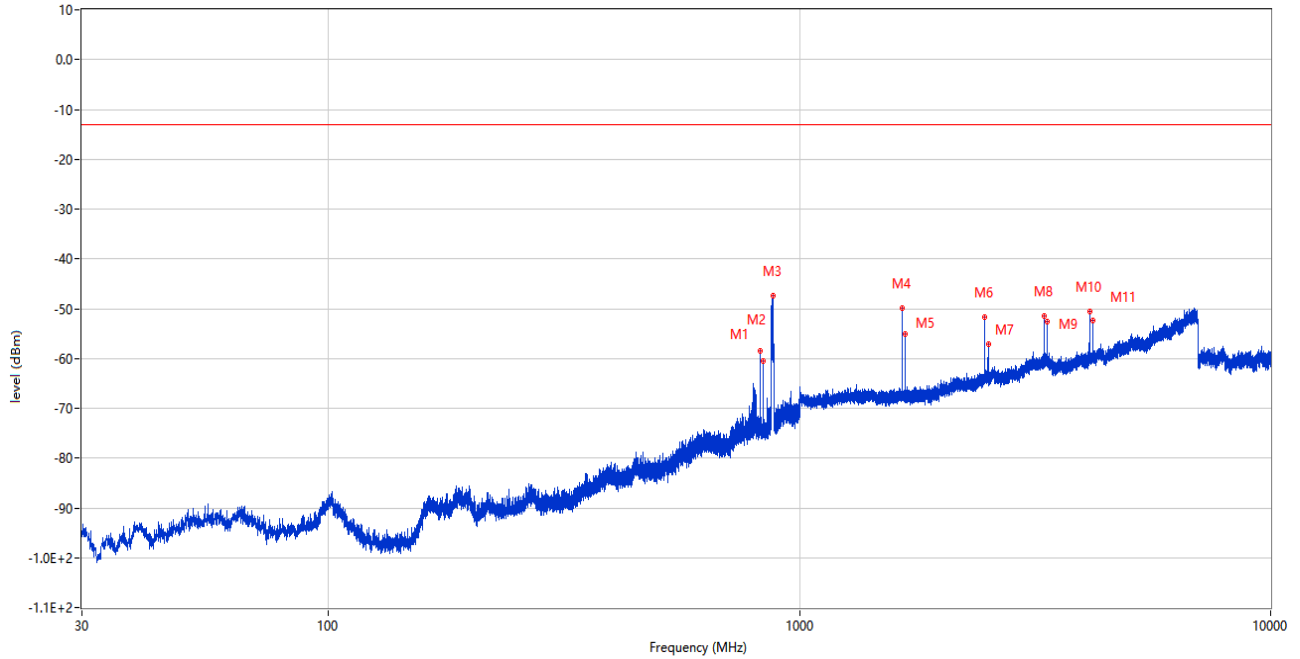
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.012	-57.54	3.00	-13.0	44.54	129.00	Horizontal	Horizontal	N/A
838.107	-63.02	2.97	-13.0	50.02	117.00	Horizontal	Horizontal	N/A
870.844	-48.46	3.55	-13.0	35.46	360.00	Horizontal	Horizontal	N/A
1649.900	-31.68	-7.50	-13.0	18.68	0.00	Horizontal	Horizontal	Pass
1676.200	-39.11	-6.67	-13.0	26.11	360.00	Horizontal	Horizontal	Pass
2475.400	-48.37	-2.58	-13.0	35.37	360.00	Horizontal	Horizontal	Pass
2514.500	-50.29	-2.27	-13.0	37.29	338.00	Horizontal	Horizontal	Pass
3299.600	-50.55	2.81	-13.0	37.55	263.00	Horizontal	Horizontal	Pass
3352.800	-51.75	2.77	-13.0	38.75	293.00	Horizontal	Horizontal	Pass
4125.000	-49.32	3.10	-13.0	36.32	270.00	Horizontal	Horizontal	Pass

Band: CAT-M B26,Channel:LOW range,BW:15M

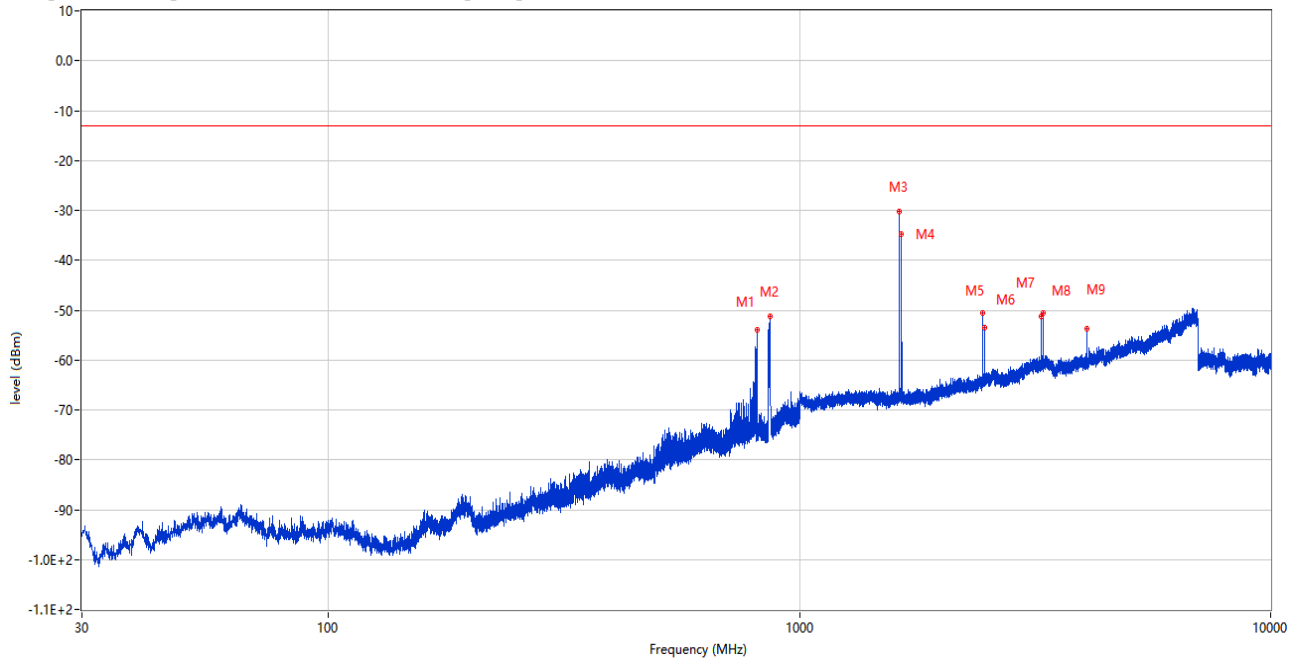
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.012	-58.42	3.00	-13.0	45.42	98.00	Vertical	Horizontal	N/A
838.156	-60.49	2.97	-13.0	47.49	12.00	Vertical	Horizontal	N/A
879.138	-47.51	2.62	-13.0	34.51	355.00	Vertical	Horizontal	N/A
1650.300	-49.99	-7.14	-13.0	36.99	318.00	Vertical	Horizontal	Pass
1676.200	-55.10	-6.67	-13.0	42.10	339.00	Vertical	Horizontal	Pass
2475.200	-51.69	-2.65	-13.0	38.69	111.00	Vertical	Horizontal	Pass
2514.500	-57.19	-2.27	-13.0	44.19	164.00	Vertical	Horizontal	Pass
3300.000	-51.49	2.90	-13.0	38.49	352.00	Vertical	Horizontal	Pass
3352.200	-52.70	2.88	-13.0	39.70	63.00	Vertical	Horizontal	Pass
4125.200	-50.53	3.10	-13.0	37.53	197.00	Vertical	Horizontal	Pass
4190.800	-52.43	3.10	-13.0	39.43	285.00	Vertical	Horizontal	Pass

Band: CAT-M B26,Channel:MID range,BW:10M

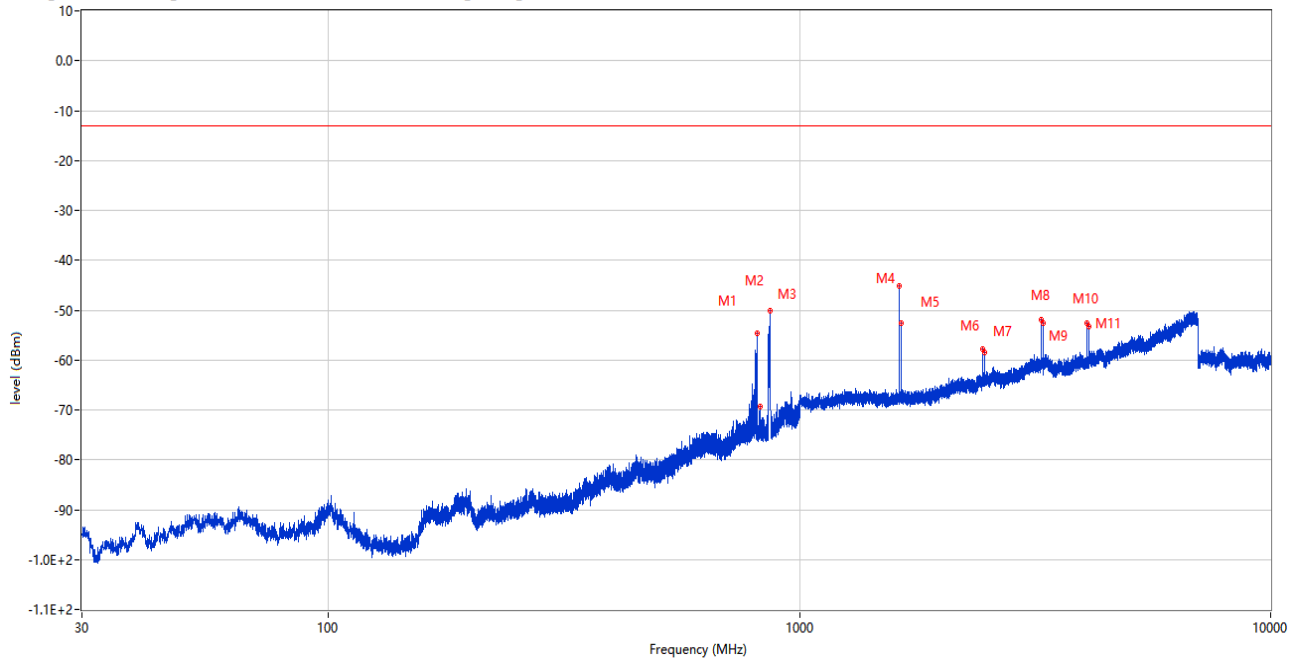
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
814.730	-54.01	2.94	-13.0	41.01	181.00	Horizontal	Horizontal	N/A
866.286	-51.31	3.52	-13.0	38.31	5.00	Horizontal	Horizontal	N/A
1629.600	-30.24	-6.20	-13.0	17.24	307.00	Horizontal	Horizontal	Pass
1646.900	-34.74	-7.49	-13.0	21.74	357.00	Horizontal	Horizontal	Pass
2444.100	-50.63	-3.31	-13.0	37.63	357.00	Horizontal	Horizontal	Pass
2470.300	-53.46	-2.66	-13.0	40.46	329.00	Horizontal	Horizontal	Pass
3259.000	-51.21	2.16	-13.0	38.21	321.00	Horizontal	Horizontal	Pass
3293.600	-50.54	2.46	-13.0	37.54	313.00	Horizontal	Horizontal	Pass
4074.000	-53.63	3.10	-13.0	40.63	237.00	Horizontal	Horizontal	Pass

Band: CAT-M B26,Channel:MID range,BW:10M

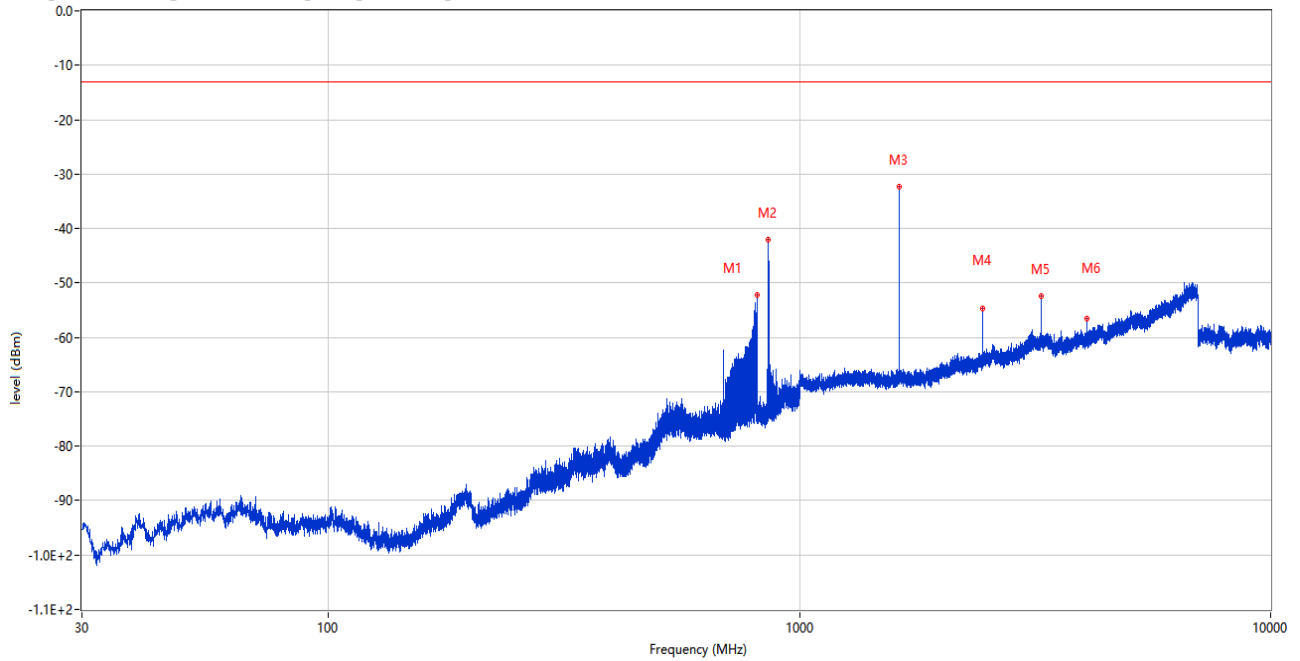
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
814.730	-54.54	2.94	-13.0	41.54	100.00	Vertical	Horizontal	N/A
823.412	-69.38	3.00	-13.0	56.38	0.00	Vertical	Horizontal	N/A
867.062	-50.20	2.18	-13.0	37.20	184.00	Vertical	Horizontal	N/A
1629.900	-45.15	-6.76	-13.0	32.15	94.00	Vertical	Horizontal	Pass
1646.800	-52.66	-7.40	-13.0	39.66	334.00	Vertical	Horizontal	Pass
2444.600	-57.74	-3.57	-13.0	44.74	81.00	Vertical	Horizontal	Pass
2470.300	-58.54	-2.66	-13.0	45.54	144.00	Vertical	Horizontal	Pass
3259.600	-51.91	2.11	-13.0	38.91	327.00	Vertical	Horizontal	Pass
3293.200	-52.58	2.53	-13.0	39.58	327.00	Vertical	Horizontal	Pass
4073.600	-52.53	2.99	-13.0	39.53	327.00	Vertical	Horizontal	Pass
4117.000	-53.24	2.96	-13.0	40.24	296.00	Vertical	Horizontal	Pass

Band: NB-IOT B18,Channel:LOW range,BW:3.75K

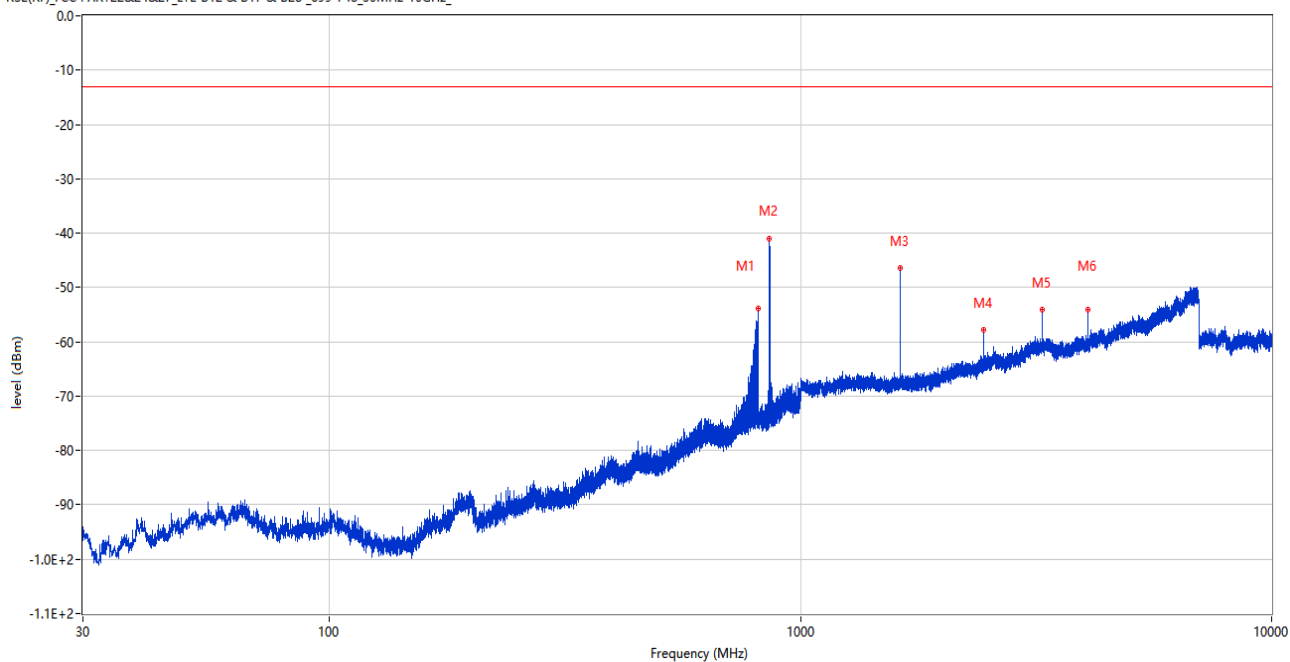
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
815.972	-52.16	2.95	-13.0	39.16	168.00	Horizontal	Horizontal	N/A
860.078	-42.14	2.82	-13.0	29.14	165.00	Horizontal	Horizontal	N/A
1630.000	-32.26	-6.94	-13.0	19.26	349.00	Horizontal	Horizontal	Pass
2445.100	-54.61	-3.02	-13.0	41.61	60.00	Horizontal	Horizontal	Pass
3260.000	-52.42	2.17	-13.0	39.42	100.00	Horizontal	Horizontal	Pass
4075.200	-56.55	2.70	-13.0	43.55	196.00	Horizontal	Horizontal	Pass

Band: NB-IOT B18,Channel:LOW range,BW:3.75K

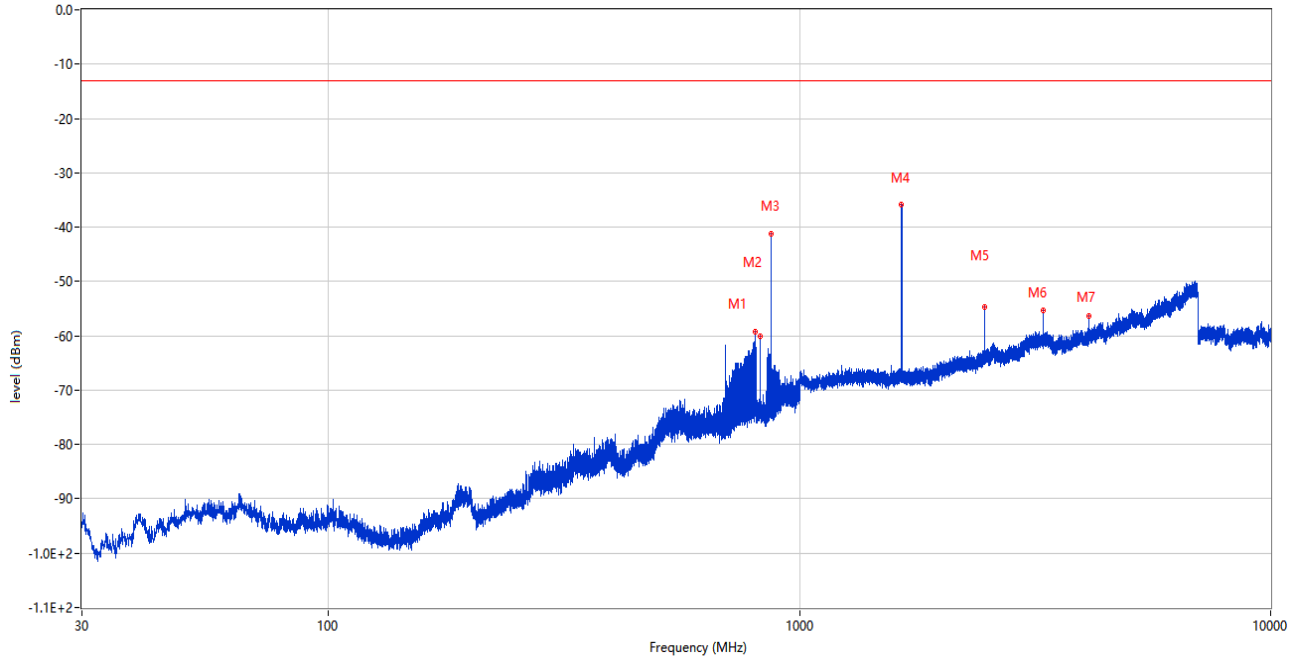
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
815.972	-53.81	2.95	-13.0	40.81	60.00	Vertical	Horizontal	N/A
860.029	-40.92	2.80	-13.0	27.92	326.00	Vertical	Horizontal	N/A
1629.900	-51.75	-6.76	-13.0	38.75	360.00	Vertical	Horizontal	Pass
2445.100	-59.54	-3.02	-13.0	46.54	344.00	Vertical	Horizontal	Pass
3259.800	-54.11	2.09	-13.0	41.11	353.00	Vertical	Horizontal	Pass
4075.200	-54.11	2.70	-13.0	41.11	26.00	Vertical	Horizontal	Pass

Band: NB-IOT B18,Channel:LOW range,BW:3.75K

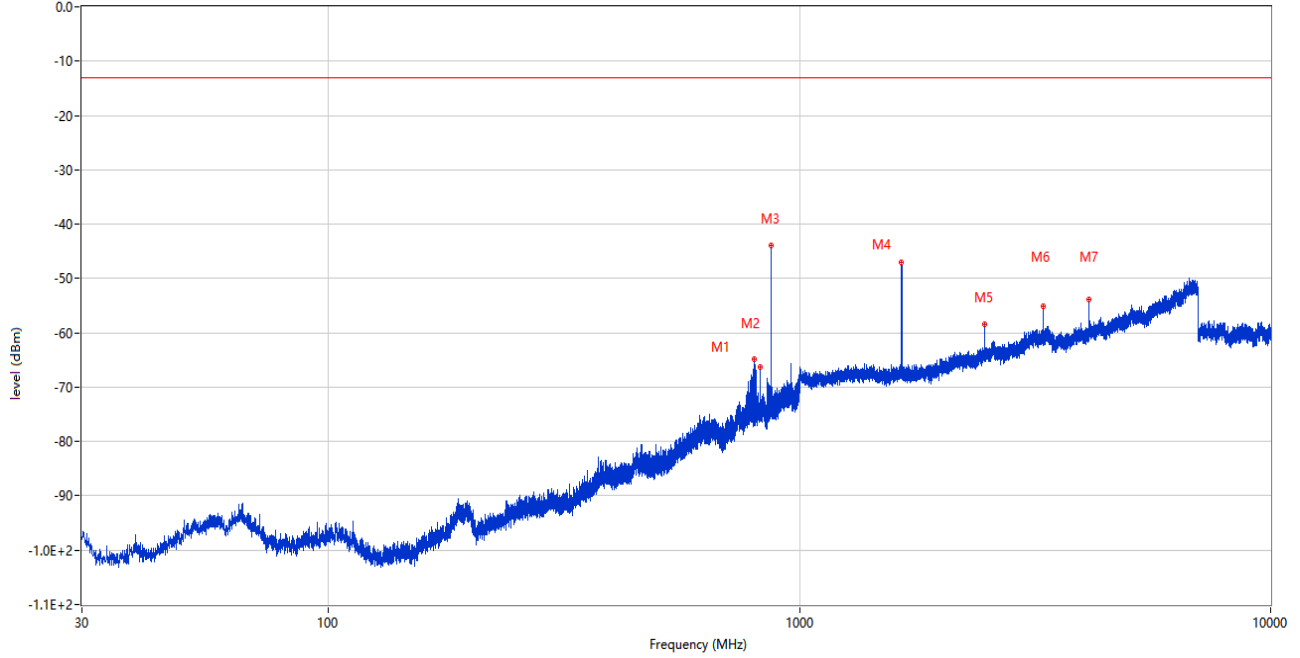
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
805.078	-59.17	3.01	-13.0	46.17	186.00	Horizontal	Horizontal	Pass
824.994	-60.10	3.00	-13.0	47.10	172.00	Horizontal	Horizontal	N/A
869.147	-41.14	3.11	-13.0	28.14	0.00	Horizontal	Horizontal	N/A
1648.000	-35.77	-6.81	-13.0	22.77	0.00	Horizontal	Horizontal	Pass
2472.100	-54.68	-2.78	-13.0	41.68	63.00	Horizontal	Horizontal	Pass
3295.800	-55.29	2.63	-13.0	42.29	309.00	Horizontal	Horizontal	Pass
4120.200	-56.39	3.19	-13.0	43.39	236.00	Horizontal	Horizontal	Pass

Band: NB-IOT B18,Channel:LOW range,BW:3.75K

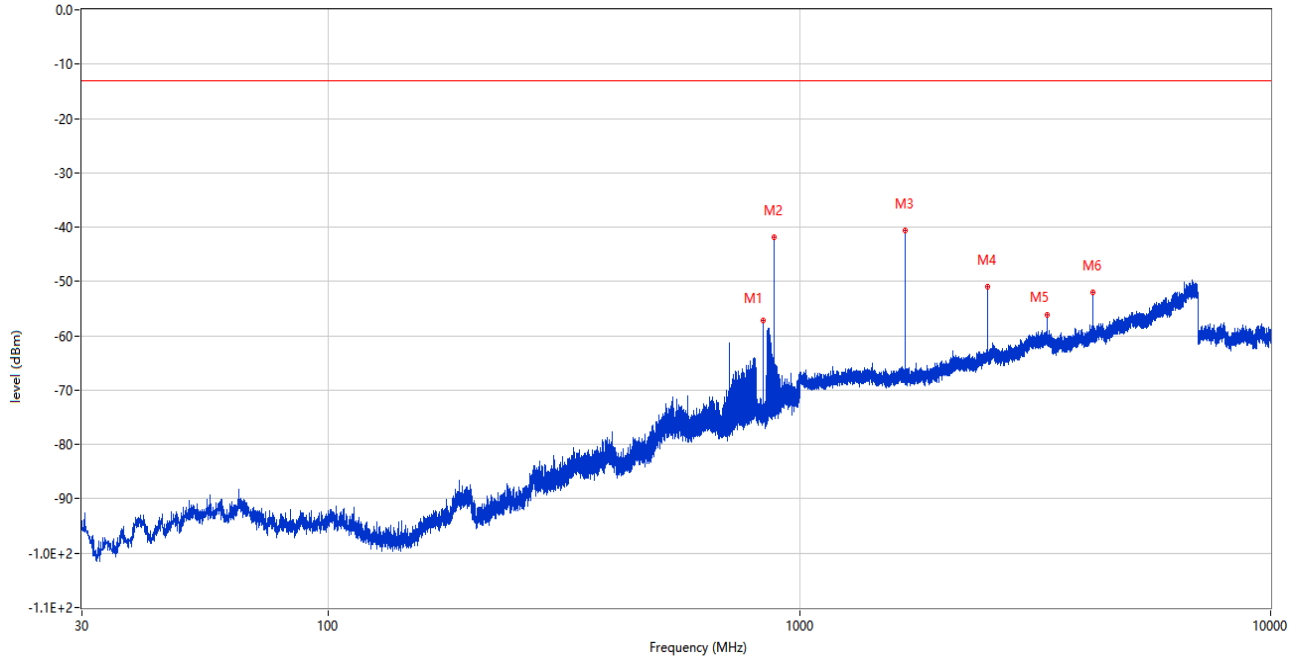
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
803.235	-64.83	2.91	-13.0	51.83	78.00	Vertical	Horizontal	Pass
824.994	-66.39	3.00	-13.0	53.39	35.00	Vertical	Horizontal	N/A
869.002	-43.88	3.22	-13.0	30.88	235.00	Vertical	Horizontal	N/A
1648.100	-47.02	-6.64	-13.0	34.02	227.00	Vertical	Horizontal	Pass
2472.000	-58.51	-2.88	-13.0	45.51	332.00	Vertical	Horizontal	Pass
3295.800	-55.06	2.63	-13.0	42.06	314.00	Vertical	Horizontal	Pass
4120.000	-53.88	3.12	-13.0	40.88	24.00	Vertical	Horizontal	Pass

Band: NB-IOT B19,Channel:MID range,BW:3.75K

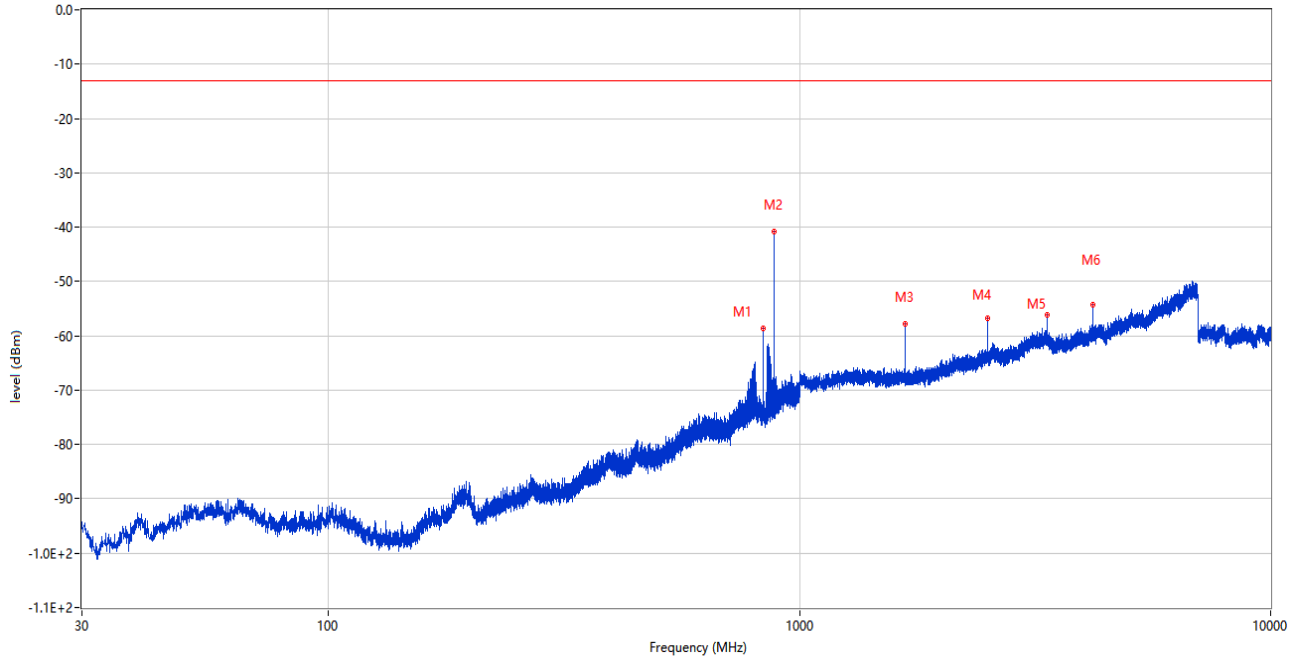
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
837.380	-57.11	2.97	-13.0	44.11	139.00	Horizontal	Horizontal	N/A
882.484	-41.80	2.73	-13.0	28.80	359.00	Horizontal	Horizontal	N/A
1674.800	-40.67	-7.17	-13.0	27.67	360.00	Horizontal	Horizontal	Pass
2512.300	-51.00	-2.07	-13.0	38.00	356.00	Horizontal	Horizontal	Pass
3349.800	-56.17	2.77	-13.0	43.17	300.00	Horizontal	Horizontal	Pass
4186.800	-51.96	3.43	-13.0	38.96	268.00	Horizontal	Horizontal	Pass

Band: NB-IOT B19,Channel:MID range,BW:3.75K

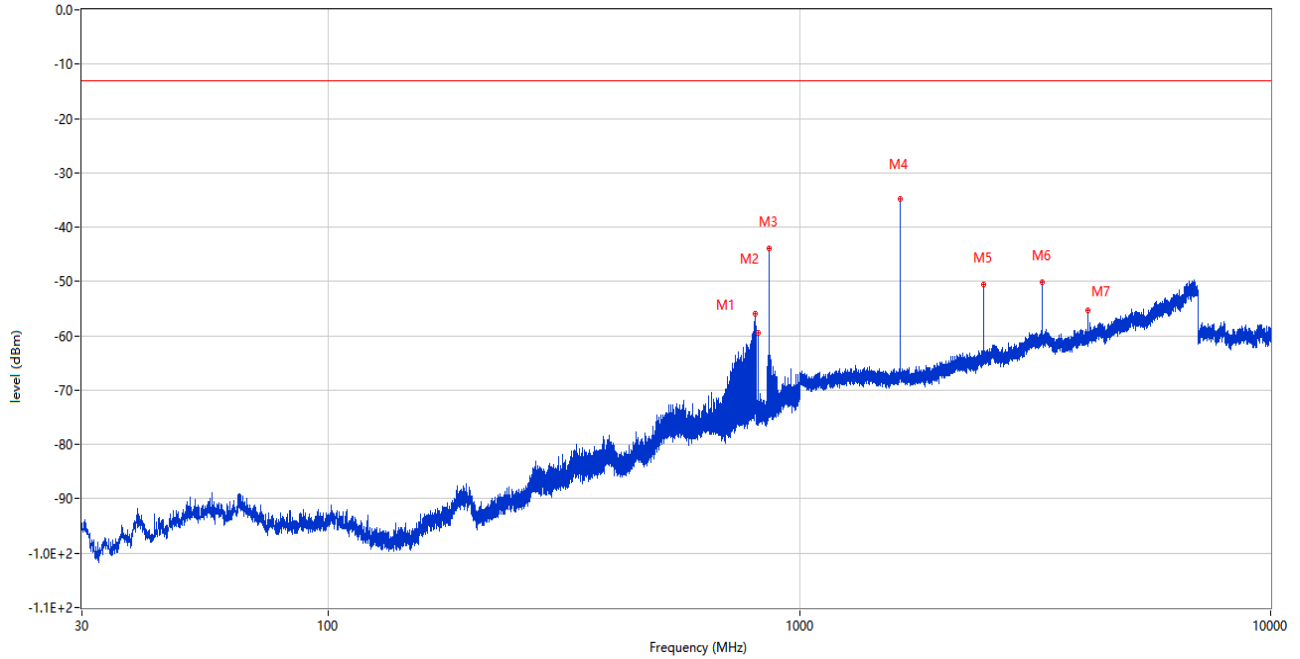
RSE(RF)_FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
837.380	-58.63	2.97	-13.0	45.63	81.00	Vertical	Horizontal	N/A
882.436	-40.82	2.74	-13.0	27.82	316.00	Vertical	Horizontal	N/A
1674.700	-57.83	-7.13	-13.0	44.83	308.00	Vertical	Horizontal	Pass
2512.300	-59.57	-2.07	-13.0	46.57	334.00	Vertical	Horizontal	Pass
3349.800	-56.16	2.77	-13.0	43.16	299.00	Vertical	Horizontal	Pass
4186.800	-54.30	3.43	-13.0	41.30	306.00	Vertical	Horizontal	Pass

Band: NB-IOT B26,Channel:MID range,BW:3.75K

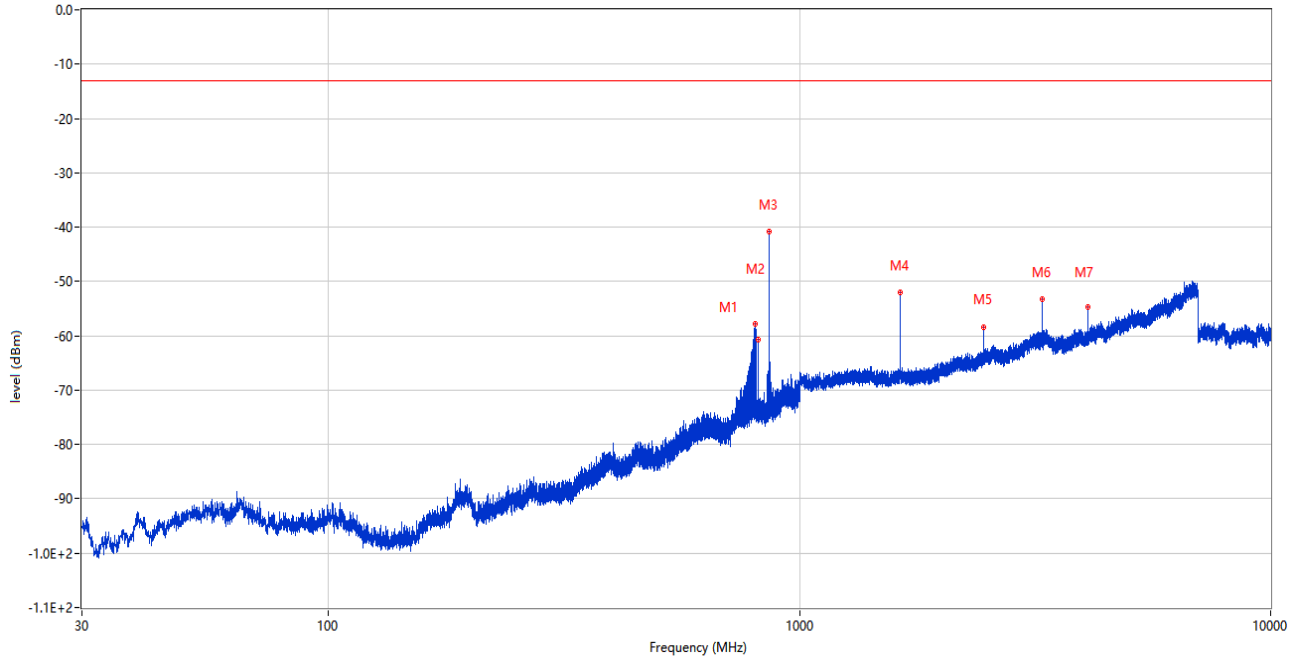
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
804.448	-56.03	3.34	-13.0	43.03	158.00	Horizontal	Horizontal	Pass
818.901	-59.39	2.99	-13.0	46.39	163.00	Horizontal	Horizontal	N/A
864.006	-43.84	2.95	-13.0	30.84	33.00	Horizontal	Horizontal	N/A
1637.900	-34.70	-7.10	-13.0	21.70	343.00	Horizontal	Horizontal	Pass
2456.500	-50.48	-3.05	-13.0	37.48	356.00	Horizontal	Horizontal	Pass
3275.600	-50.23	2.90	-13.0	37.23	233.00	Horizontal	Horizontal	Pass
4094.800	-55.24	2.59	-13.0	42.24	196.00	Horizontal	Horizontal	Pass

Band: NB-IOT B26,Channel:MID range,BW:3.75K

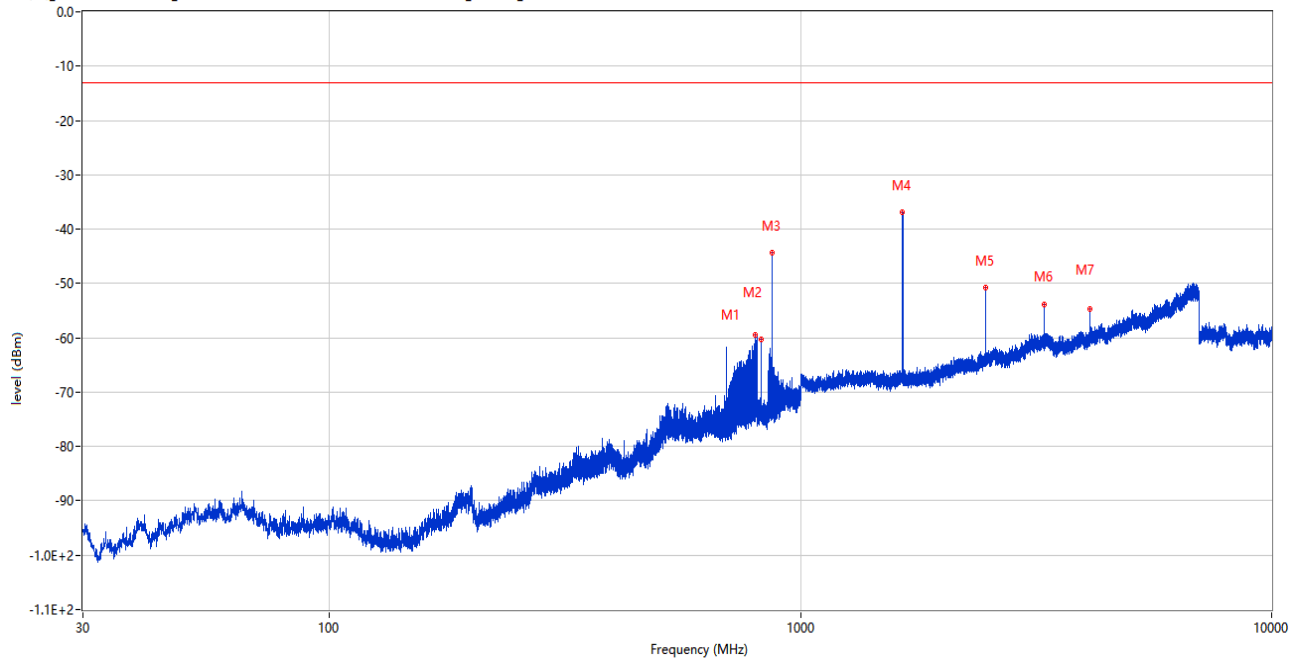
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
805.661	-57.88	2.89	-13.0	44.88	75.00	Vertical	Horizontal	Pass
818.901	-60.76	2.99	-13.0	47.76	78.00	Vertical	Horizontal	N/A
863.958	-40.80	2.96	-13.0	27.80	256.00	Vertical	Horizontal	N/A
1637.900	-52.08	-7.10	-13.0	39.08	103.00	Vertical	Horizontal	Pass
2456.900	-58.32	-3.04	-13.0	45.32	343.00	Vertical	Horizontal	Pass
3275.800	-56.91	2.90	-13.0	43.91	0.00	Vertical	Horizontal	Pass
4095.400	-54.62	2.62	-13.0	41.62	299.00	Vertical	Horizontal	Pass

Band: NB-IOT B26,Channel:LOW range,BW:3.75K

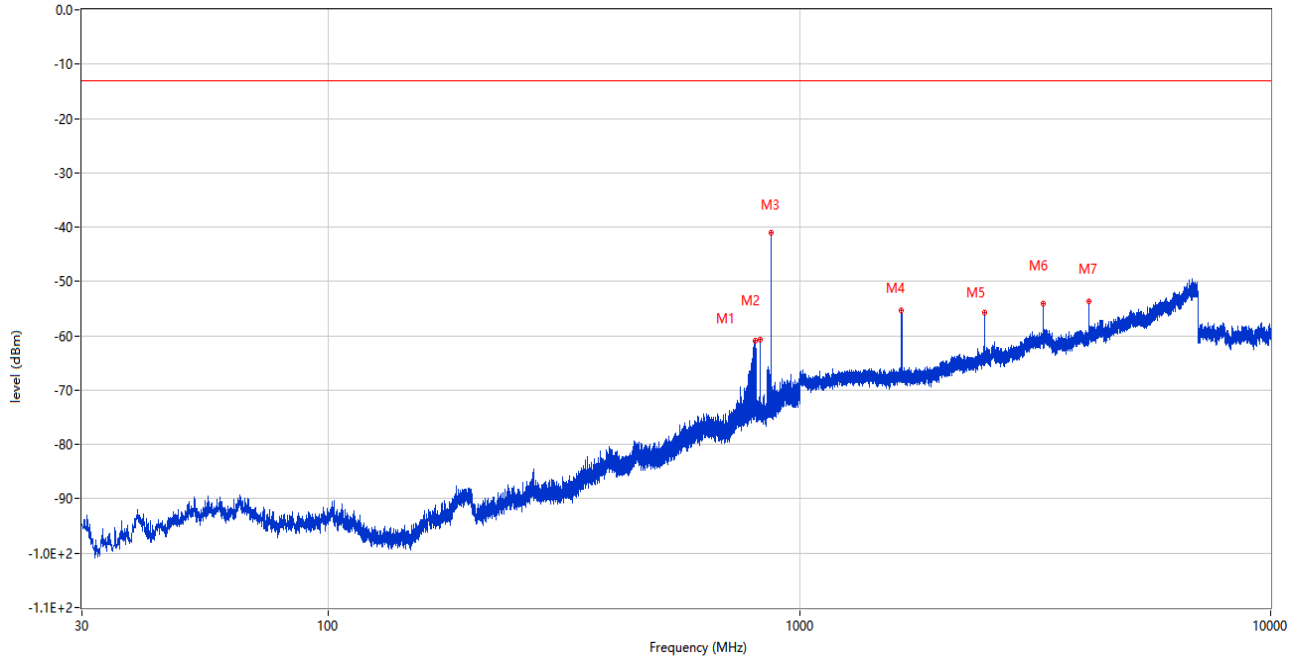
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
802.217	-59.54	2.41	-13.0	46.54	147.00	Horizontal	Horizontal	Pass
824.994	-60.27	3.00	-13.0	47.27	168.00	Horizontal	Horizontal	N/A
869.050	-44.41	3.19	-13.0	31.41	49.00	Horizontal	Horizontal	N/A
1648.100	-36.84	-6.64	-13.0	23.84	337.00	Horizontal	Horizontal	Pass
2472.100	-50.72	-2.78	-13.0	37.72	3.00	Horizontal	Horizontal	Pass
3296.200	-53.84	2.68	-13.0	40.84	231.00	Horizontal	Horizontal	Pass
4120.000	-54.71	3.12	-13.0	41.71	203.00	Horizontal	Horizontal	Pass

Band: NB-IOT B26,Channel:LOW range,BW:3.75K

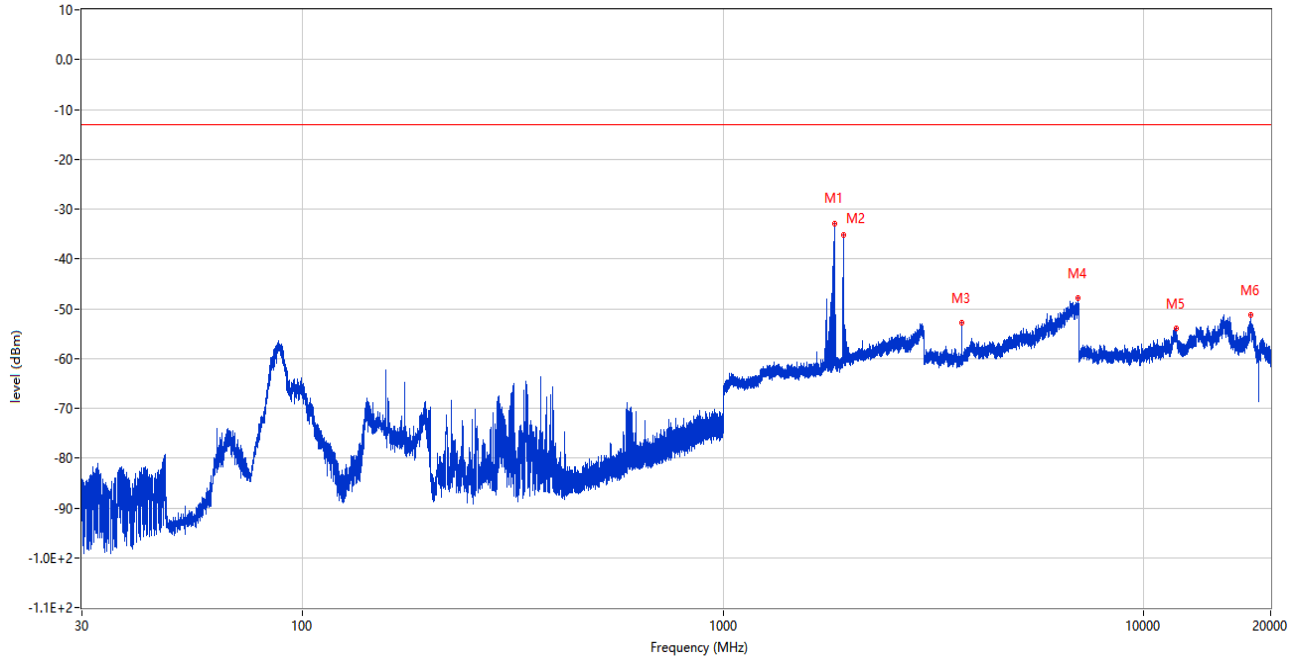
RSE(RF)_FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
804.739	-60.87	3.18	-13.0	47.87	23.00	Vertical	Horizontal	Pass
824.994	-60.68	3.00	-13.0	47.68	72.00	Vertical	Horizontal	N/A
869.050	-40.93	3.19	-13.0	27.93	328.00	Vertical	Horizontal	N/A
1648.000	-55.23	-6.81	-13.0	42.23	213.00	Vertical	Horizontal	Pass
2472.100	-55.67	-2.78	-13.0	42.67	320.00	Vertical	Horizontal	Pass
3296.000	-54.00	2.66	-13.0	41.00	318.00	Vertical	Horizontal	Pass
4120.200	-53.73	3.19	-13.0	40.73	302.00	Vertical	Horizontal	Pass

Band:CAT-M B2,Channel:MID range,BW:5M

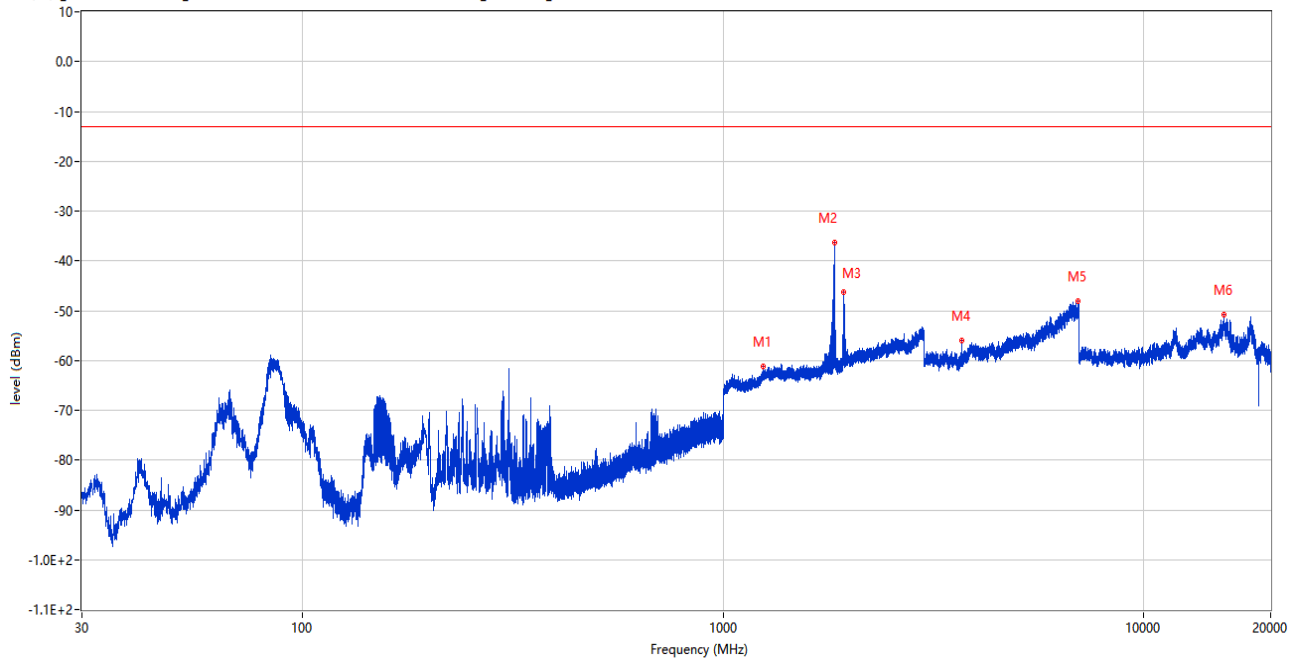
RSE (RF) _FCC PART22&24&27 _CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1869.400	-32.84	0.17	-13.0	19.84	253.00	Horizontal	Horizontal	N/A
1950.500	-35.27	0.82	-13.0	22.27	109.00	Horizontal	Horizontal	N/A
3700.000	-52.79	4.53	-13.0	39.79	130.00	Horizontal	Horizontal	Pass
6979.000	-47.97	13.01	-13.0	34.97	207.00	Horizontal	Horizontal	Pass
11924.875	-53.91	15.09	-13.0	40.91	207.00	Horizontal	Horizontal	Pass
17908.011	-51.20	21.01	-13.0	38.20	39.00	Horizontal	Horizontal	Pass

Band:CAT-M B2,Channel:MID range,BW:5M

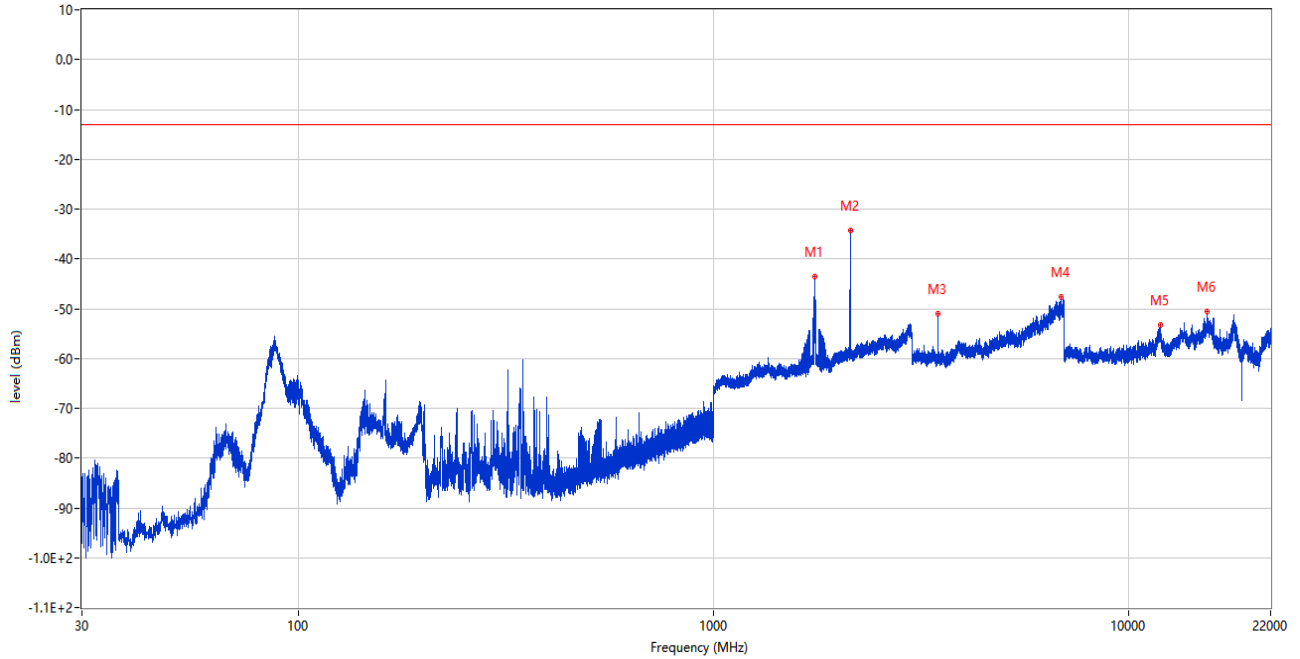
RSE (RF) _FCC PART22&24&27 _CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1243.500	-61.28	-1.57	-13.0	48.28	133.00	Vertical	Horizontal	Pass
1871.700	-36.44	0.18	-13.0	23.44	213.00	Vertical	Horizontal	N/A
1950.900	-46.34	0.80	-13.0	33.34	170.00	Vertical	Horizontal	N/A
3700.000	-56.09	4.53	-13.0	43.09	196.00	Vertical	Horizontal	Pass
6976.800	-48.18	13.46	-13.0	35.18	196.00	Vertical	Horizontal	Pass
15472.012	-50.83	18.56	-13.0	37.83	80.00	Vertical	Horizontal	Pass

Band:CAT-M B4,Channel:MID range,BW:5M

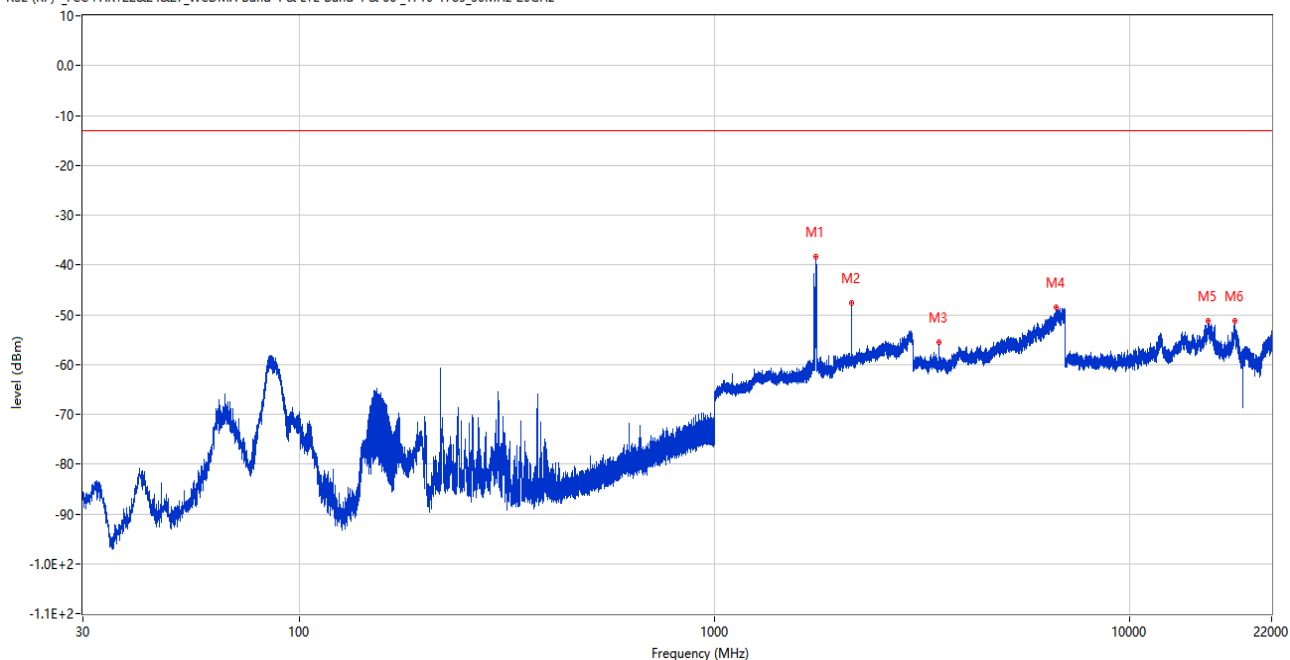
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1735.600	-43.60	1.31	-13.0	30.60	166.00	Horizontal	Horizontal	N/A
2132.100	-34.32	1.53	-13.0	21.32	116.00	Horizontal	Horizontal	N/A
3465.000	-51.00	3.54	-13.0	38.00	118.00	Horizontal	Horizontal	Pass
6893.600	-47.69	13.16	-13.0	34.69	118.00	Horizontal	Horizontal	Pass
11917.112	-53.33	15.09	-13.0	40.33	102.00	Horizontal	Horizontal	Pass
15487.537	-50.52	18.81	-13.0	37.52	272.00	Horizontal	Horizontal	Pass

Band:CAT-M B4,Channel:MID range,BW:5M

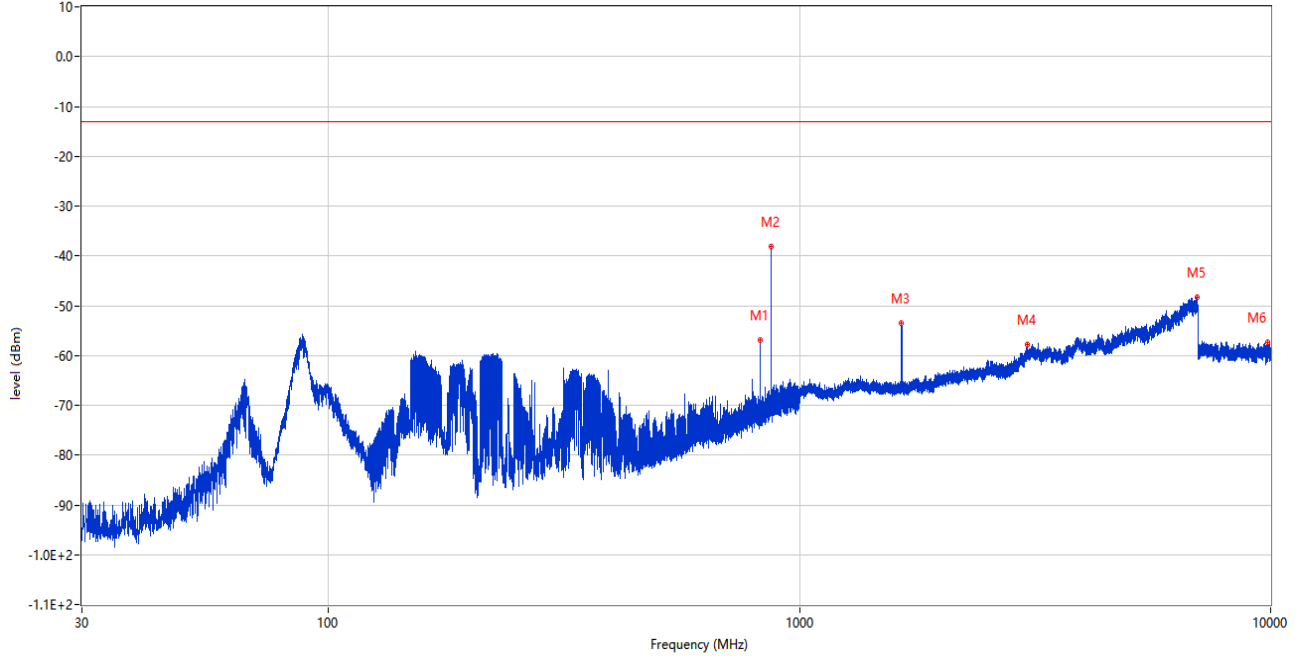
RSE (RF) _FCC PART228&248&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1737.000	-38.46	1.31	-13.0	25.46	43.00	Vertical	Horizontal	N/A
2132.700	-47.68	1.34	-13.0	34.68	183.00	Vertical	Horizontal	N/A
3464.800	-55.59	3.60	-13.0	42.59	282.00	Vertical	Horizontal	Pass
6670.000	-48.49	12.67	-13.0	35.49	317.00	Vertical	Horizontal	Pass
15483.837	-51.26	18.75	-13.0	38.26	145.00	Vertical	Horizontal	Pass
17918.437	-51.34	20.76	-13.0	38.34	332.00	Vertical	Horizontal	Pass

Band:CAT-M B5,Channel:LOW range,BW:5M

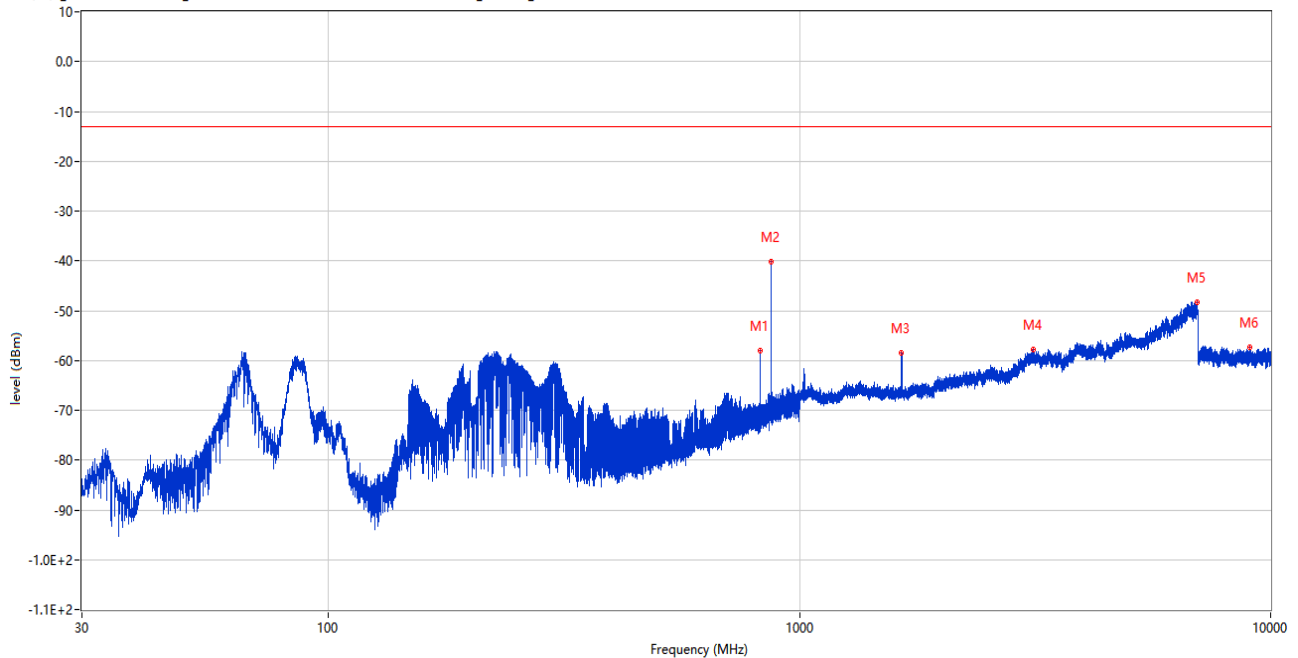
RSE (RF) _FCC PART22&24&27 _CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
823.994	-56.95	2.71	-13.0	43.95	301.00	Horizontal	Horizontal	N/A
869.002	-38.15	3.95	-13.0	25.15	120.00	Horizontal	Horizontal	N/A
1648.100	-53.54	-5.37	-13.0	40.54	360.00	Horizontal	Horizontal	Pass
3048.000	-57.77	4.15	-13.0	44.77	199.00	Horizontal	Horizontal	Pass
6973.800	-48.28	13.09	-13.0	35.28	67.00	Horizontal	Horizontal	Pass
9875.800	-57.35	10.38	-13.0	44.35	69.00	Horizontal	Horizontal	Pass

Band:CAT-M B5,Channel:LOW range,BW:5M

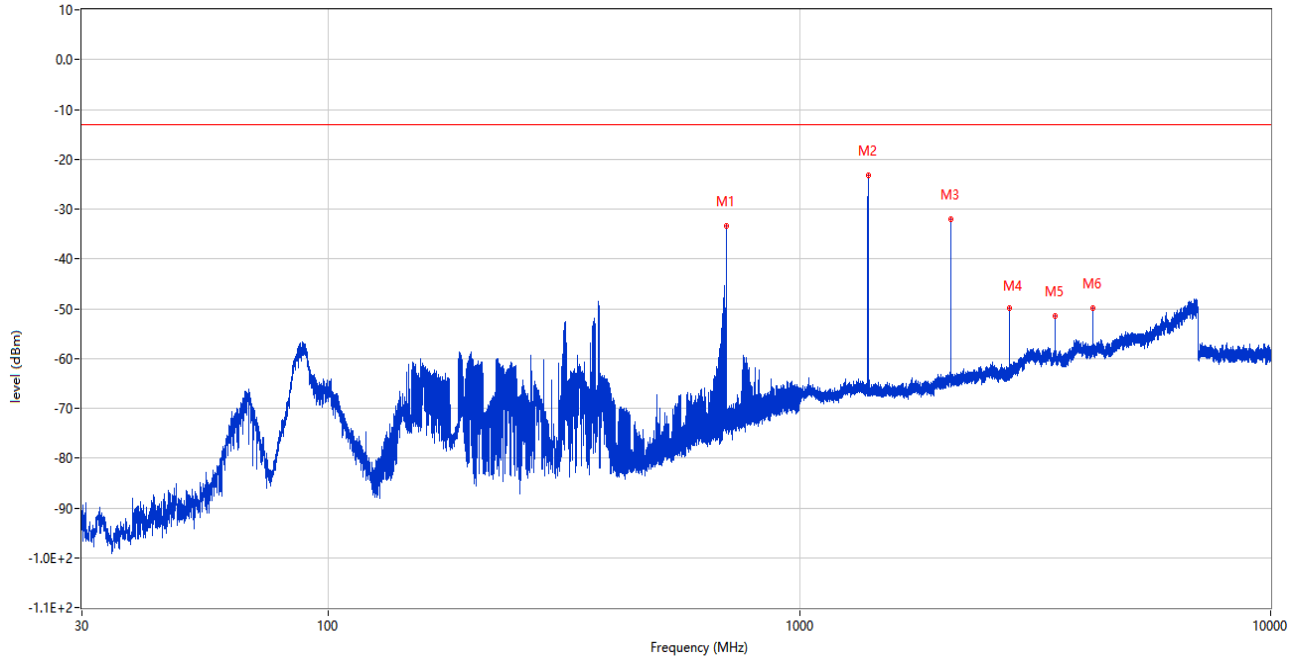
RSE (RF) _FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
823.994	-58.03	2.71	-13.0	45.03	204.00	Vertical	Horizontal	N/A
869.098	-40.27	3.96	-13.0	27.27	0.00	Vertical	Horizontal	N/A
1648.000	-58.49	-5.31	-13.0	45.49	265.00	Vertical	Horizontal	Pass
3133.200	-57.87	4.91	-13.0	44.87	314.00	Vertical	Horizontal	Pass
6973.000	-48.23	13.22	-13.0	35.23	264.00	Vertical	Horizontal	Pass
9029.950	-57.40	9.97	-13.0	44.40	360.00	Vertical	Horizontal	Pass

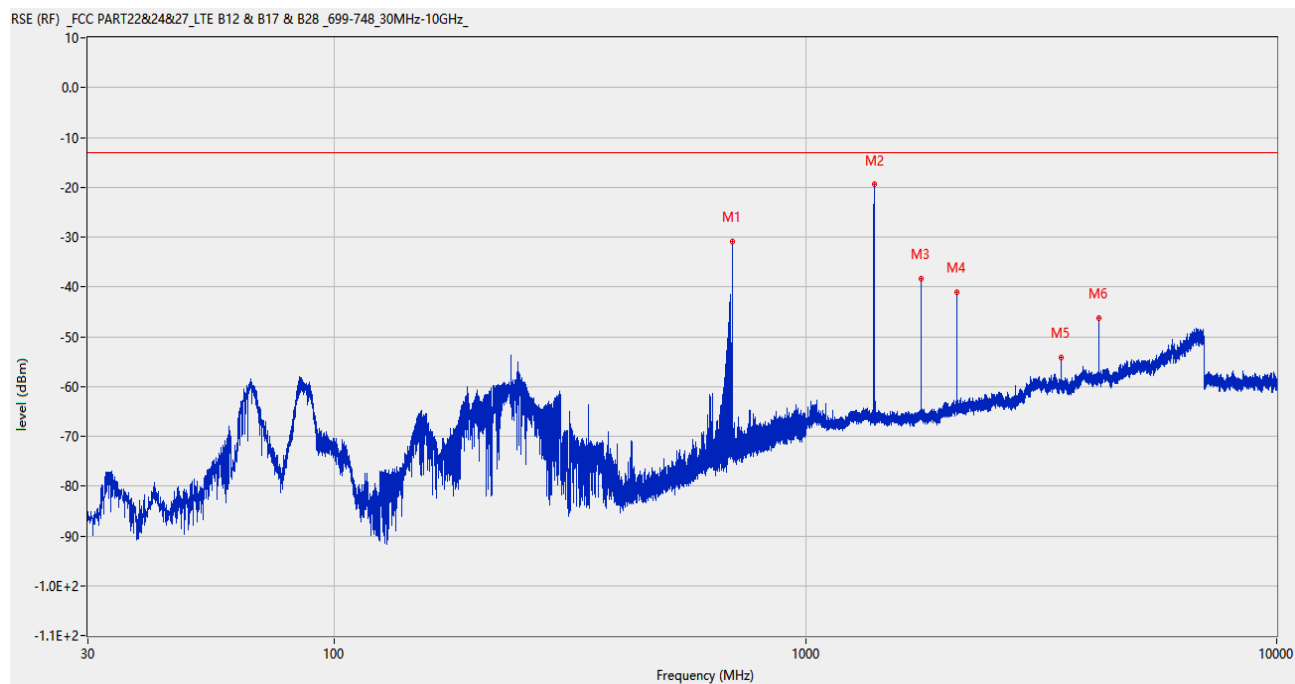
Band:CAT-M B12,Channel:HIGH range,BW:5M

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
699.009	-33.33	1.37	-13.0	20.33	316.00	Horizontal	Horizontal	N/A
1398.100	-23.21	-5.50	-13.0	10.21	268.00	Horizontal	Horizontal	Pass
2097.400	-31.97	-4.19	-13.0	18.97	259.00	Horizontal	Horizontal	Pass
2796.400	-49.89	1.11	-13.0	36.89	276.00	Horizontal	Horizontal	Pass
3495.200	-51.43	4.28	-13.0	38.43	228.00	Horizontal	Horizontal	Pass
4194.000	-49.90	6.41	-13.0	36.90	313.00	Horizontal	Horizontal	Pass

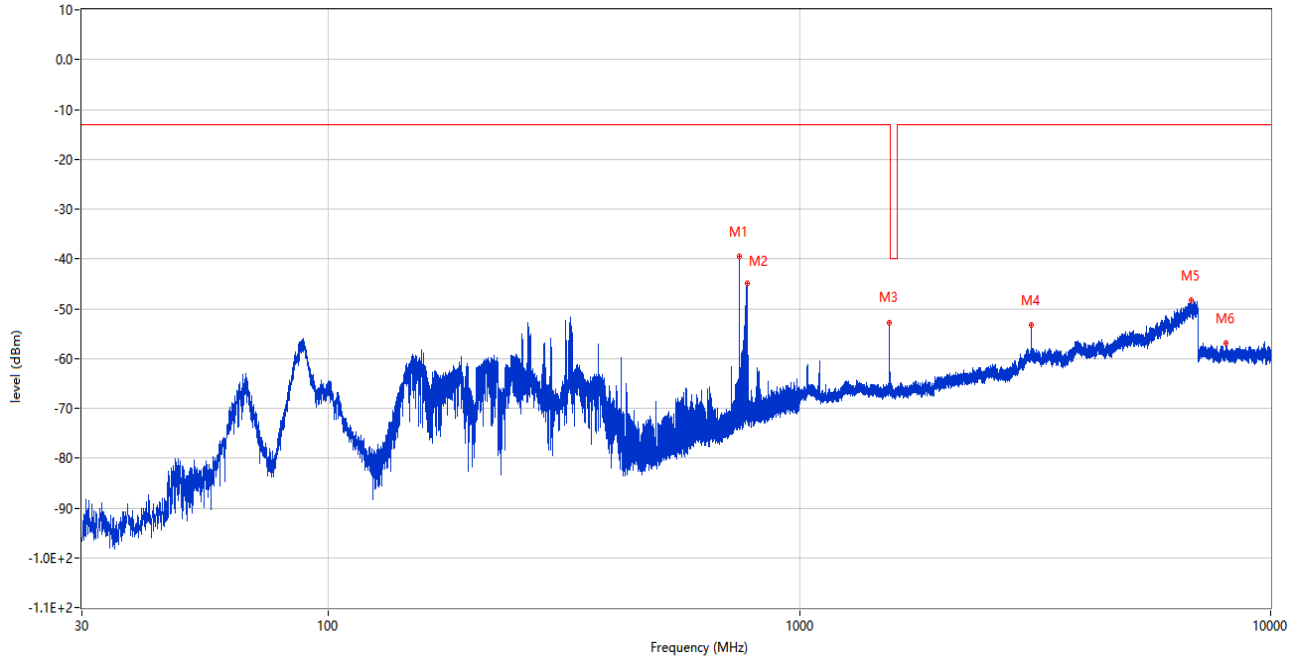
Band:CAT-M B12,Channel:HIGH range,BW:5M



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
699.009	-30.89	1.37	-13.0	17.89	360.00	Vertical	Horizontal	N/A
1398.000	-19.42	-5.47	-13.0	6.42	354.00	Vertical	Horizontal	Pass
1761.800	-38.40	-4.82	-13.0	25.40	196.00	Vertical	Horizontal	Pass
2096.900	-41.11	-4.17	-13.0	28.11	310.00	Vertical	Horizontal	Pass
3495.200	-54.10	4.28	-13.0	41.10	313.00	Vertical	Horizontal	Pass
4194.000	-46.23	6.41	-13.0	33.23	297.00	Vertical	Horizontal	Pass

Band:CAT-M B13,Channel:HIGH range,BW:5M

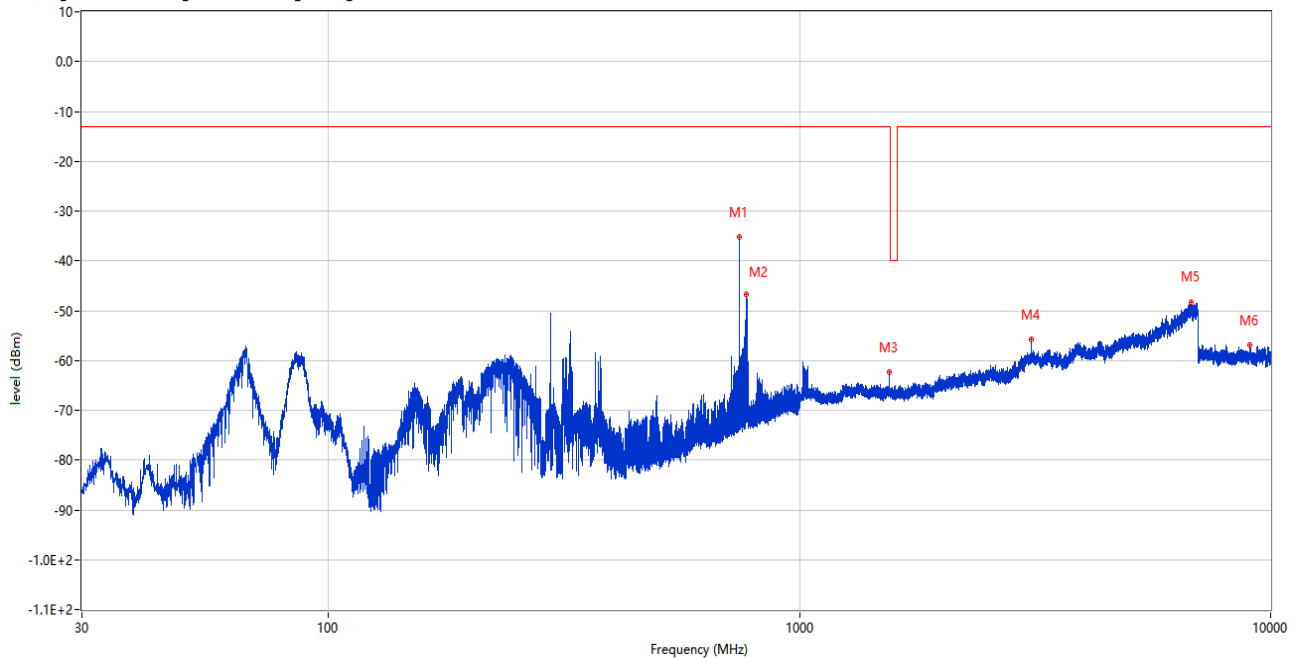
RSE (RF) _FCC PART22&24&27_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
746.102	-39.43	1.09	-13.0	26.43	326.00	Horizontal	Horizontal	N/A
773.263	-44.85	2.30	-13.0	31.85	285.00	Horizontal	Horizontal	N/A
1554.100	-52.73	-5.60	-13.0	39.73	183.00	Horizontal	Horizontal	Pass
3108.000	-53.38	3.36	-13.0	40.38	137.00	Horizontal	Horizontal	Pass
6797.200	-48.42	13.89	-13.0	35.42	87.00	Horizontal	Horizontal	Pass
8051.050	-56.97	10.20	-13.0	43.97	322.00	Horizontal	Horizontal	Pass

Band:CAT-M B13,Channel:HIGH range,BW:5M

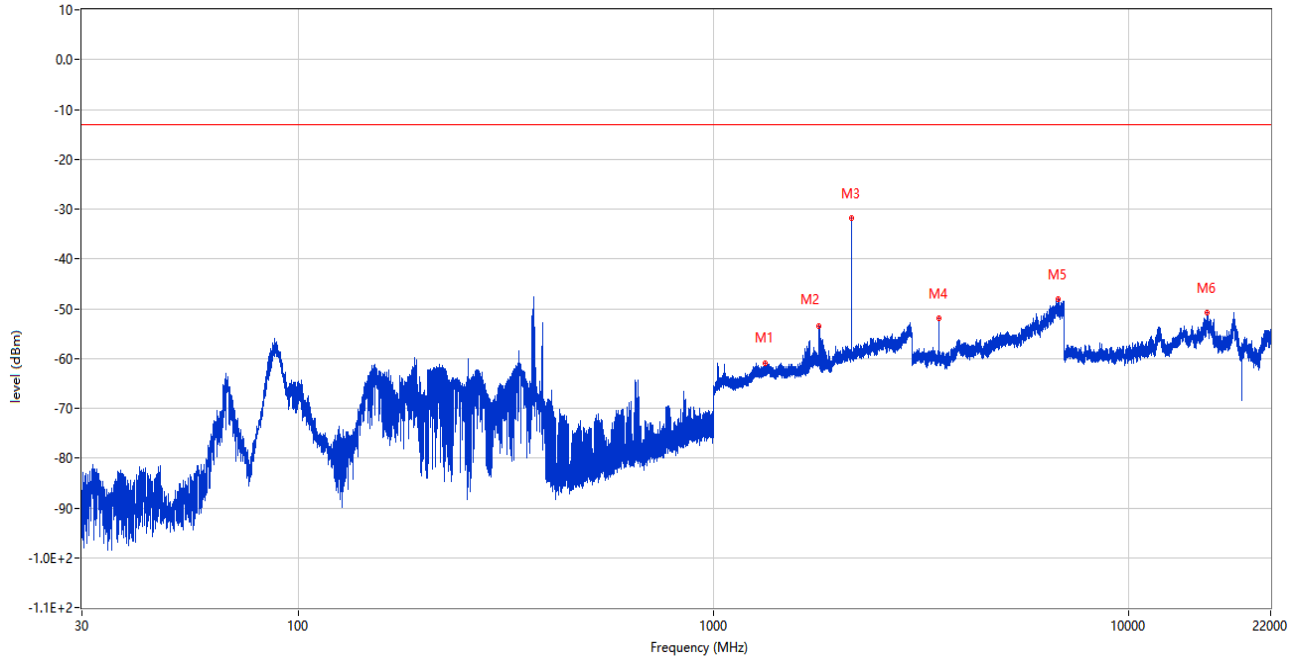
RSE (RF) _FCC PART228&24827_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
746.054	-35.23	1.08	-13.0	22.23	288.00	Vertical	Horizontal	N/A
772.535	-46.68	2.28	-13.0	33.68	176.00	Vertical	Horizontal	N/A
1554.000	-62.37	-5.61	-13.0	49.37	93.00	Vertical	Horizontal	Pass
3108.200	-55.80	3.41	-13.0	42.80	174.00	Vertical	Horizontal	Pass
6795.600	-48.22	13.74	-13.0	35.22	174.00	Vertical	Horizontal	Pass
9030.100	-56.92	9.97	-13.0	43.92	335.00	Vertical	Horizontal	Pass

Band:CAT-M B66,Channel:MID range,BW:15M

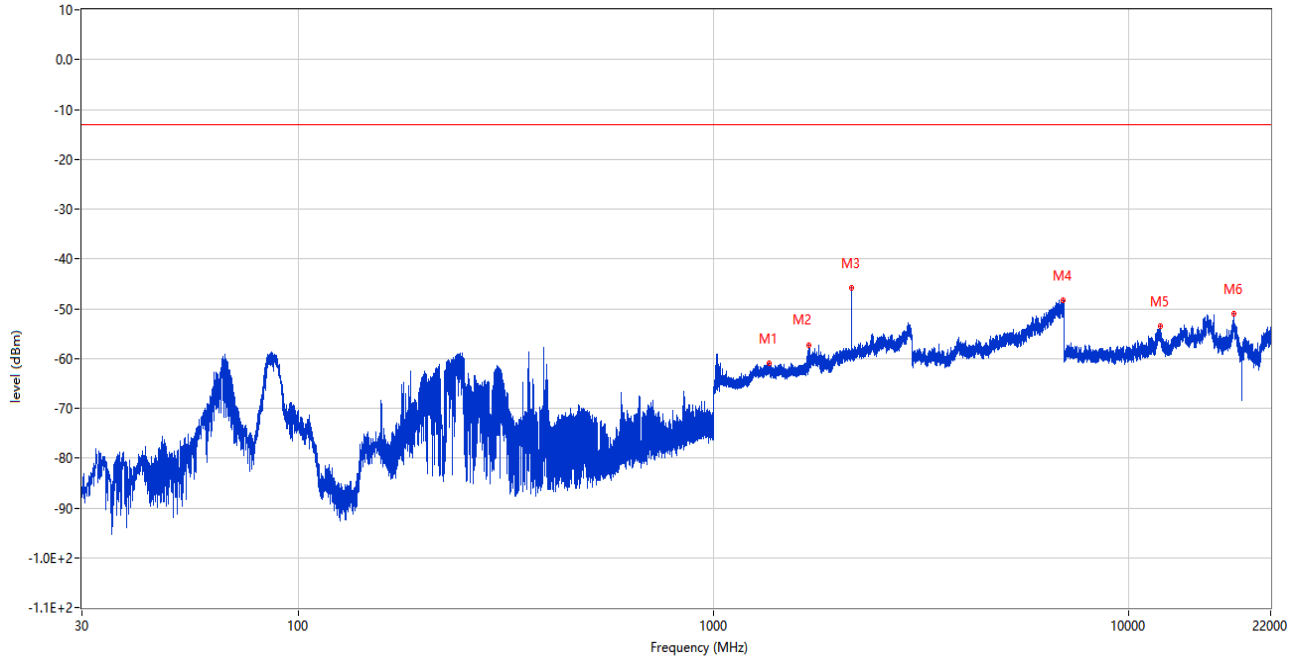
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1332.100	-60.86	-1.12	-13.0	47.86	61.00	Horizontal	Horizontal	Pass
1754.000	-53.48	0.57	-13.0	40.48	253.00	Horizontal	Horizontal	N/A
2145.000	-31.86	2.07	-13.0	18.86	139.00	Horizontal	Horizontal	N/A
3489.600	-51.88	4.06	-13.0	38.88	144.00	Horizontal	Horizontal	Pass
6748.200	-48.17	12.66	-13.0	35.17	19.00	Horizontal	Horizontal	Pass
15496.787	-50.71	18.97	-13.0	37.71	360.00	Horizontal	Horizontal	Pass

Band:CAT-M B66,Channel:MID range,BW:15M

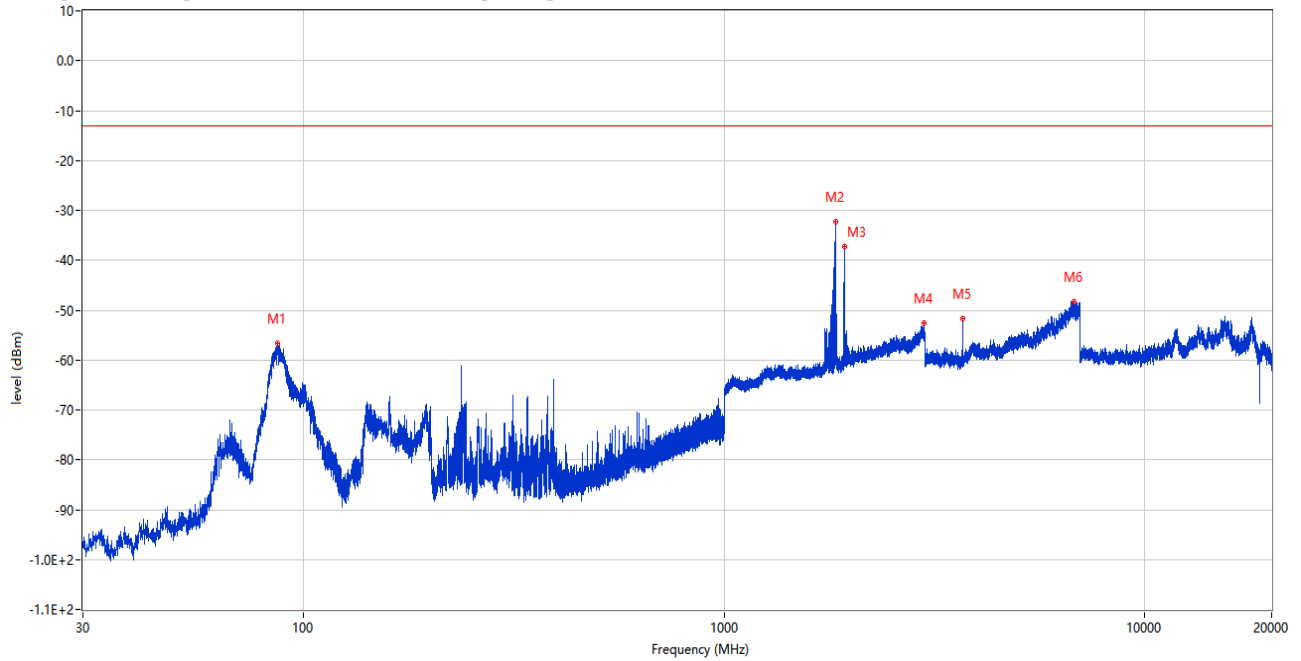
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1357.300	-60.92	-1.11	-13.0	47.92	117.00	Vertical	Horizontal	Pass
1697.000	-57.40	-1.07	-13.0	44.40	322.00	Vertical	Horizontal	Pass
2145.300	-45.79	2.14	-13.0	32.79	70.00	Vertical	Horizontal	N/A
6968.800	-48.41	13.31	-13.0	35.41	161.00	Vertical	Horizontal	Pass
11910.213	-53.48	15.09	-13.0	40.48	107.00	Vertical	Horizontal	Pass
17918.900	-51.00	20.75	-13.0	38.00	253.00	Vertical	Horizontal	Pass

Band:NB-IOT B2,Channel:LOW range BW:3.75K

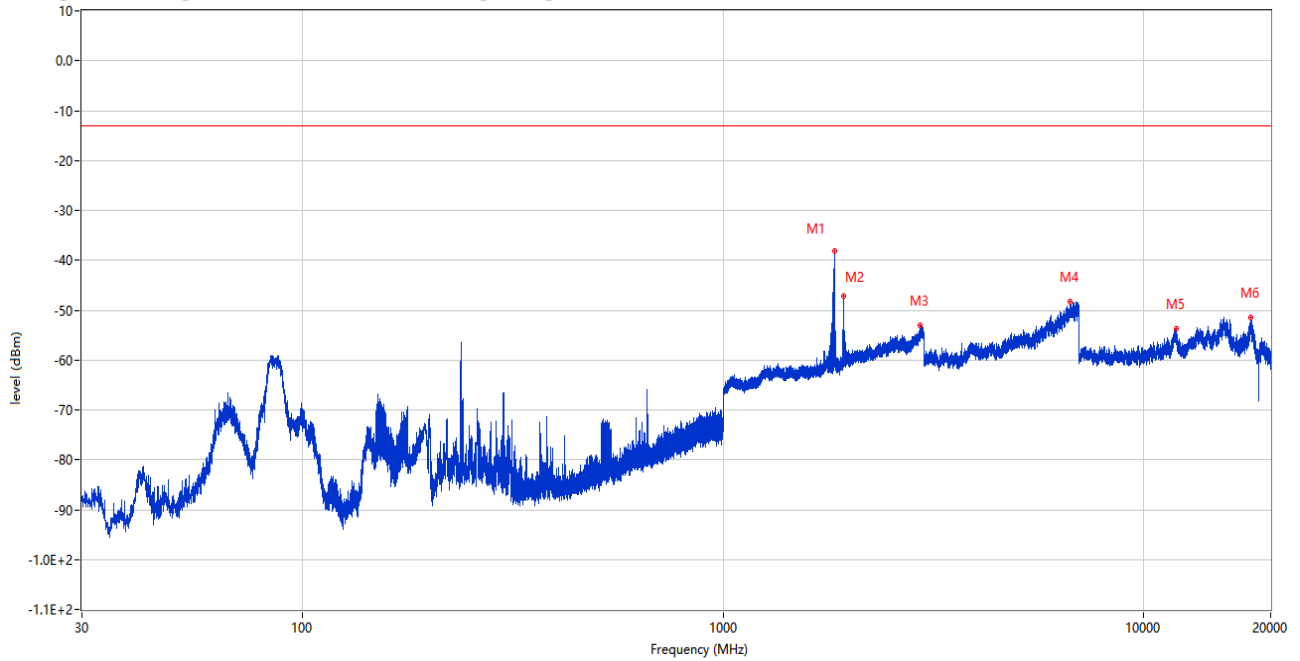
RSE (RF) _FCC PART22&24&27_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
87.182	-56.68	-19.24	-13.0	43.68	173.00	Horizontal	Horizontal	Pass
1850.000	-32.27	0.17	-13.0	19.27	260.00	Horizontal	Horizontal	N/A
1930.000	-37.21	0.82	-13.0	24.21	116.00	Horizontal	Horizontal	N/A
2988.100	-52.63	8.18	-13.0	39.63	20.00	Horizontal	Horizontal	Pass
3700.000	-51.77	4.53	-13.0	38.77	128.00	Horizontal	Horizontal	Pass
6797.000	-48.33	13.76	-13.0	35.33	95.00	Horizontal	Horizontal	Pass

Band:NB-IOT B2,Channel:LOW range BW:3.75K

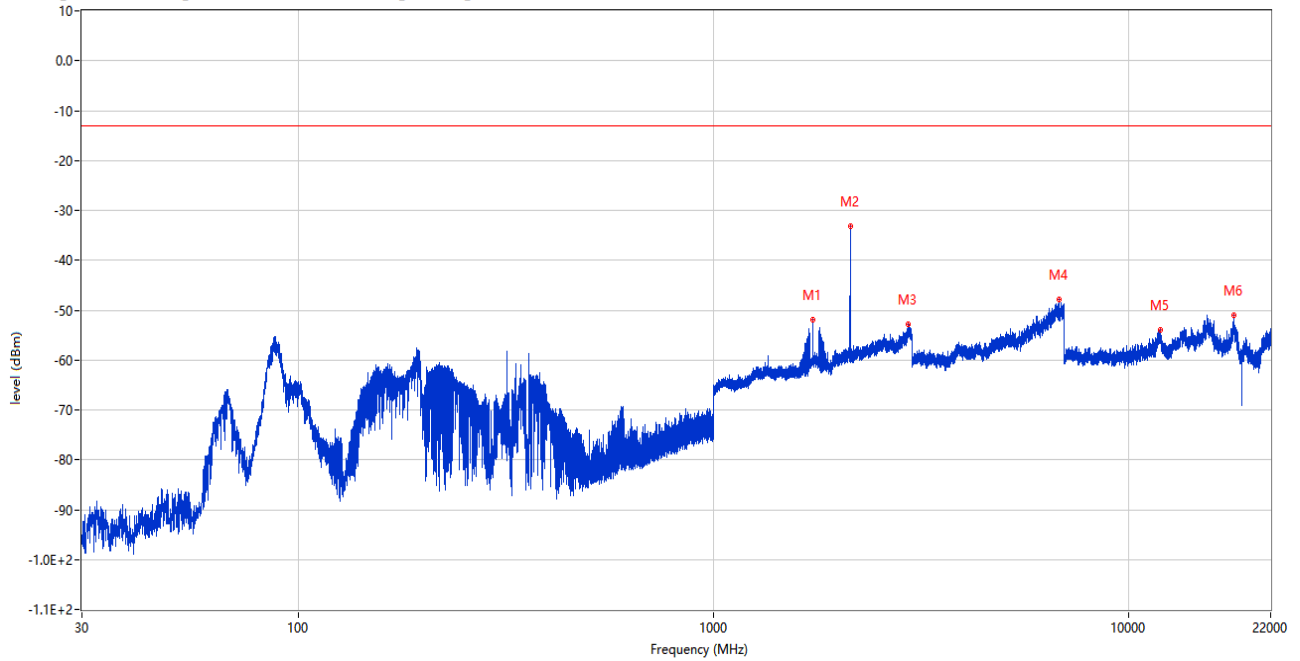
RSE (RF) _FCC PART22&24&27_CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 _1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.000	-38.02	0.15	-13.0	25.02	188.00	Vertical	Horizontal	N/A
1930.000	-47.22	0.81	-13.0	34.22	34.00	Vertical	Horizontal	N/A
2940.700	-53.01	8.36	-13.0	40.01	293.00	Vertical	Horizontal	Pass
6676.400	-48.39	13.12	-13.0	35.39	114.00	Vertical	Horizontal	Pass
11921.713	-53.70	15.09	-13.0	40.70	286.00	Vertical	Horizontal	Pass
17903.301	-51.52	21.12	-13.0	38.52	282.00	Vertical	Horizontal	Pass

Band:NB-IOT B4,Channel:MID range BW:3.75K

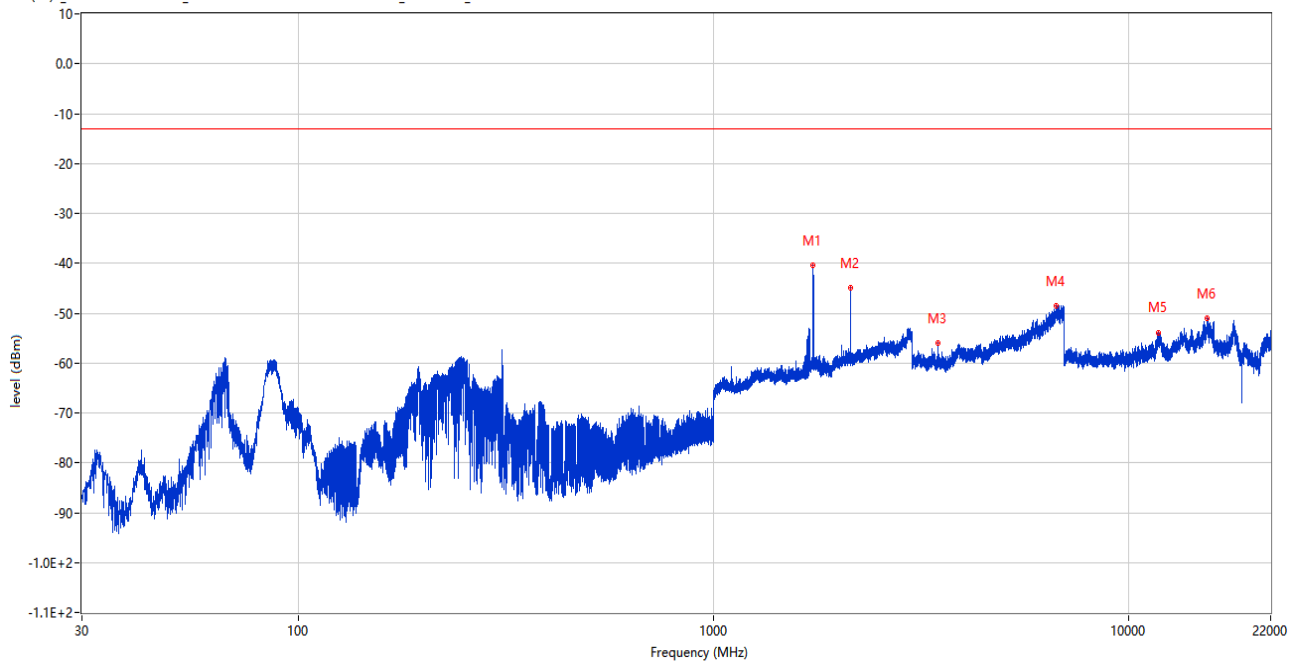
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1732.500	-51.89	0.92	-13.0	38.89	123.00	Horizontal	Horizontal	N/A
2132.500	-33.22	1.40	-13.0	20.22	113.00	Horizontal	Horizontal	N/A
2935.400	-52.85	7.93	-13.0	39.85	187.00	Horizontal	Horizontal	Pass
6798.000	-47.83	13.75	-13.0	34.83	105.00	Horizontal	Horizontal	Pass
11923.151	-54.03	15.09	-13.0	41.03	158.00	Horizontal	Horizontal	Pass
17922.136	-51.06	20.68	-13.0	38.06	348.00	Horizontal	Horizontal	Pass

Band:NB-IOT B4,Channel:MID range BW:3.75K

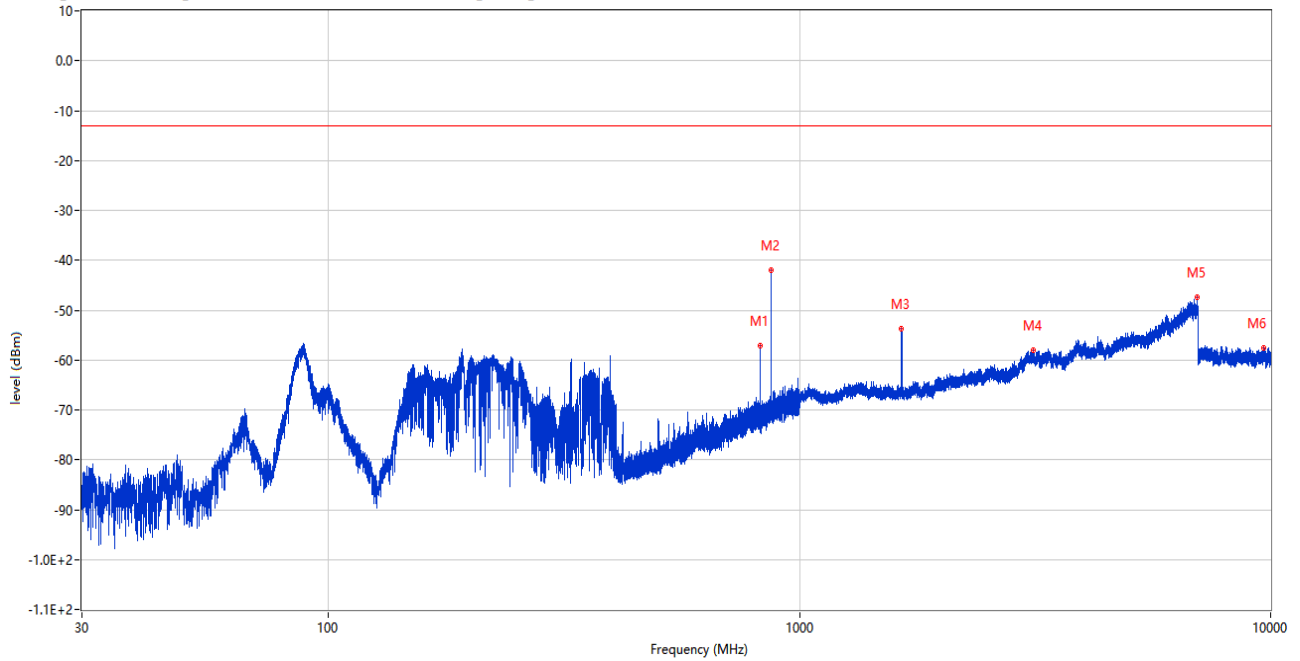
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1732.500	-40.44	1.08	-13.0	27.44	140.00	Vertical	Horizontal	N/A
2132.500	-44.99	1.46	-13.0	31.99	19.00	Vertical	Horizontal	N/A
3464.800	-55.97	3.60	-13.0	42.97	58.00	Vertical	Horizontal	Pass
6685.600	-48.52	13.02	-13.0	35.52	41.00	Vertical	Horizontal	Pass
11816.200	-53.85	14.63	-13.0	40.85	126.00	Vertical	Horizontal	Pass
15501.412	-51.10	18.97	-13.0	38.10	197.00	Vertical	Horizontal	Pass

Band:NB-IOT B5,Channel:LOW range BW:15K

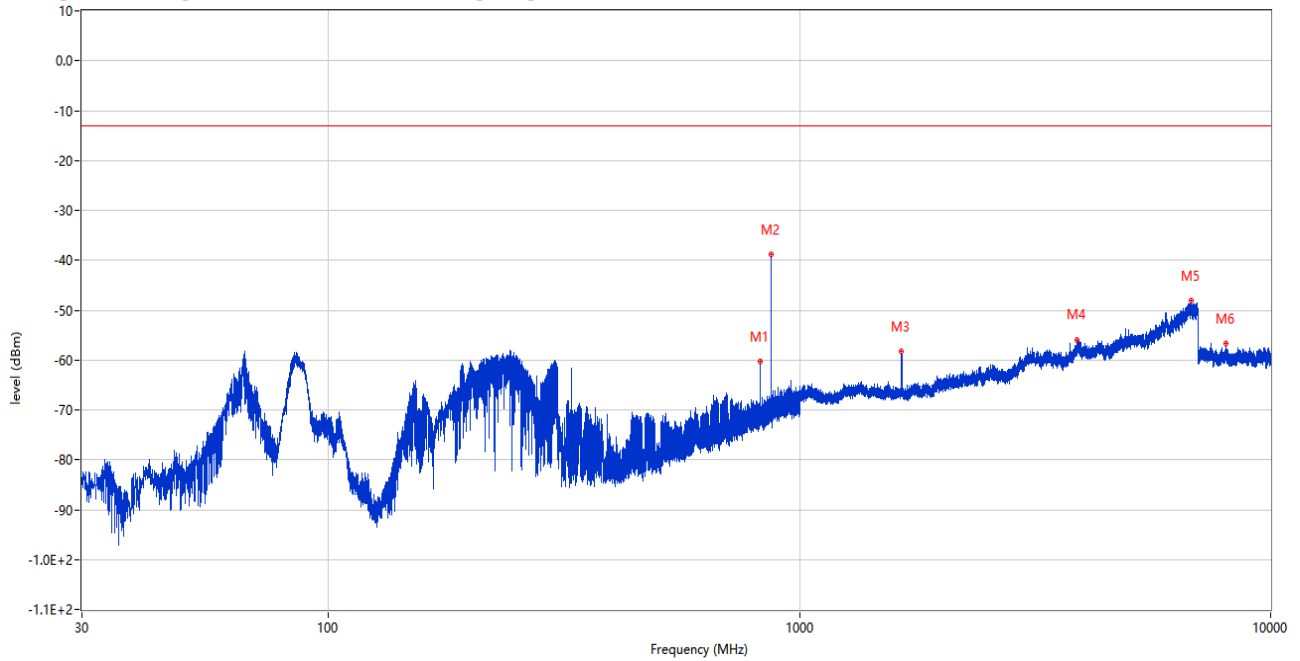
RSE (RF) _FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.088	-57.05	2.71	-13.0	44.05	297.00	Horizontal	Horizontal	N/A
869.101	-42.04	3.96	-13.0	29.04	138.00	Horizontal	Horizontal	N/A
1648.000	-53.66	-5.31	-13.0	40.66	358.00	Horizontal	Horizontal	Pass
3133.400	-58.00	4.81	-13.0	45.00	172.00	Horizontal	Horizontal	Pass
6969.400	-47.33	13.23	-13.0	34.33	295.00	Horizontal	Horizontal	Pass
9649.901	-57.56	9.70	-13.0	44.56	223.00	Horizontal	Horizontal	Pass

Band:NB-IOT B5,Channel:LOW range BW:15K

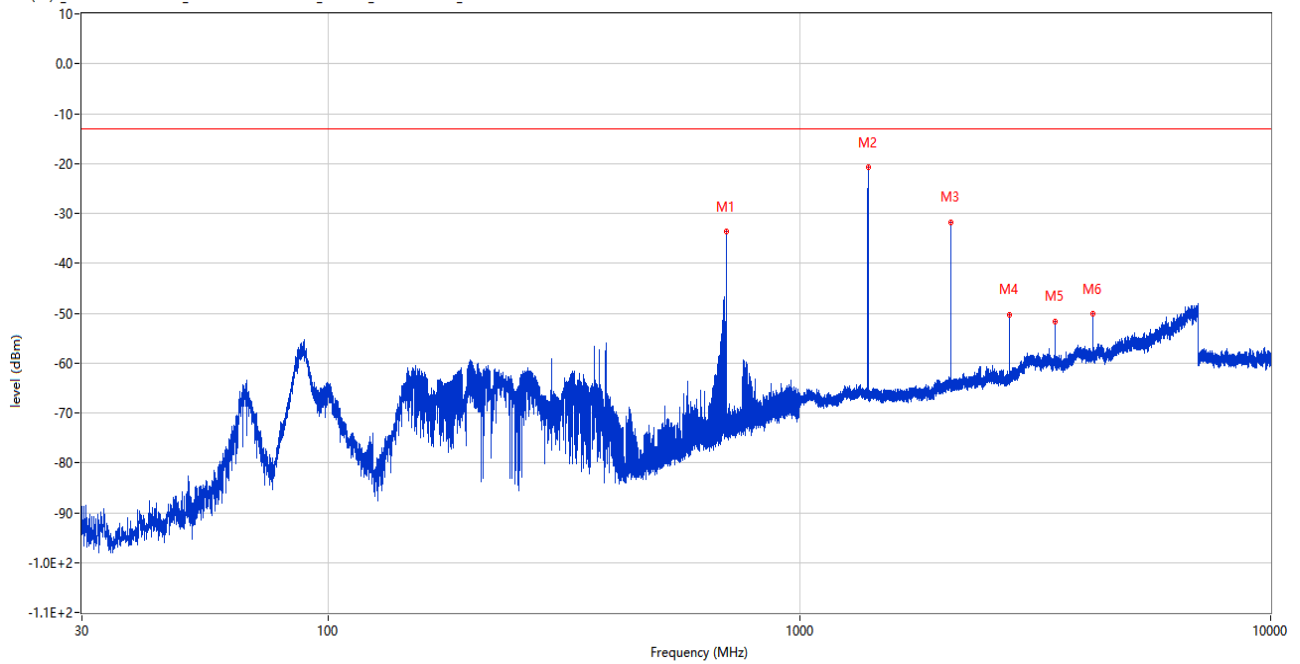
RSE (RF) _FCC PART22&24&27_CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.088	-60.27	2.71	-13.0	47.27	209.00	Vertical	Horizontal	N/A
869.088	-38.79	3.96	-13.0	25.79	150.00	Vertical	Horizontal	N/A
1647.800	-58.34	-5.19	-13.0	45.34	263.00	Vertical	Horizontal	Pass
3887.200	-56.01	6.74	-13.0	43.01	310.00	Vertical	Horizontal	Pass
6785.600	-48.08	13.08	-13.0	35.08	0.00	Vertical	Horizontal	Pass
8053.600	-56.64	10.15	-13.0	43.64	2.00	Vertical	Horizontal	Pass

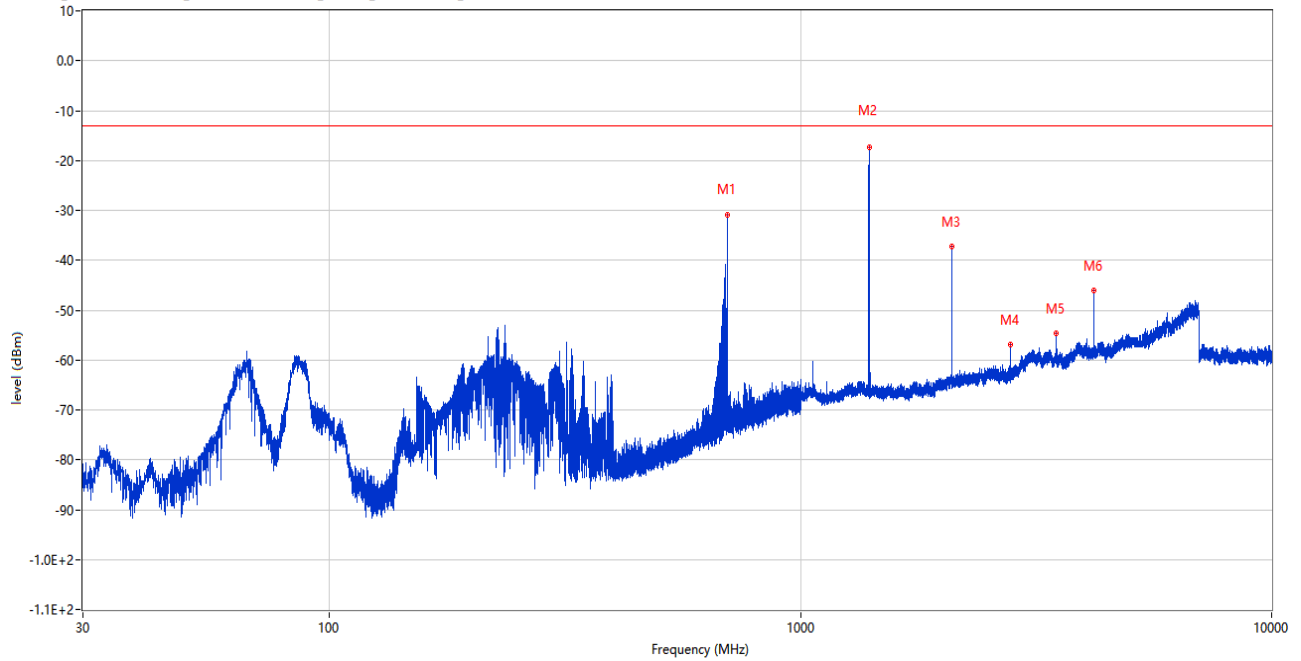
Band:NB-IOT B12,Channel:LOW range BW:3.75K

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



Band:NB-IOT B12,Channel:LOW range BW:3.75K

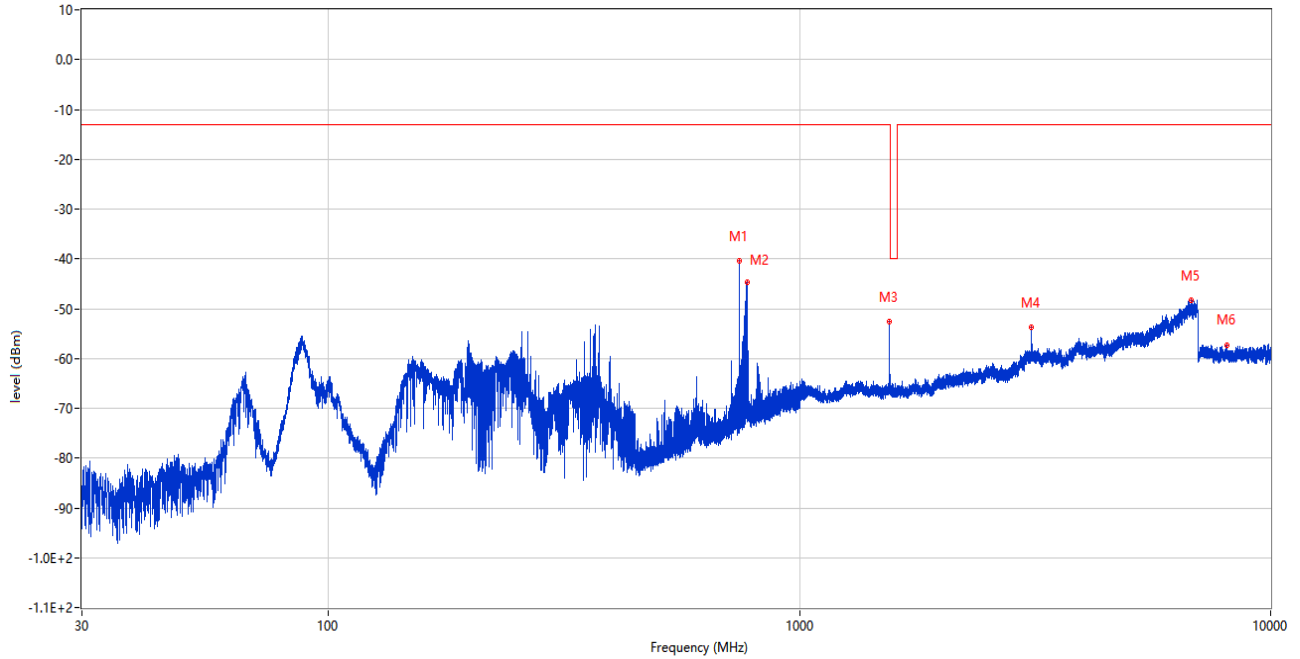
RSE (RF) _FCC PART22&24&27_LTE B12 & B17 & B28 _699-748_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
699.009	-30.81	1.37	-13.0	17.81	360.00	Vertical	Horizontal	N/A
1398.100	-17.30	-5.50	-13.0	4.30	227.00	Vertical	Horizontal	Pass
2097.000	-37.18	-4.25	-13.0	24.18	232.00	Vertical	Horizontal	Pass
2796.000	-56.81	0.99	-13.0	43.81	227.00	Vertical	Horizontal	Pass
3495.000	-54.70	4.28	-13.0	41.70	212.00	Vertical	Horizontal	Pass
4194.000	-46.01	6.41	-13.0	33.01	304.00	Vertical	Horizontal	Pass

Band:NB-IOT B13,Channel:LOW range BW:3.75K

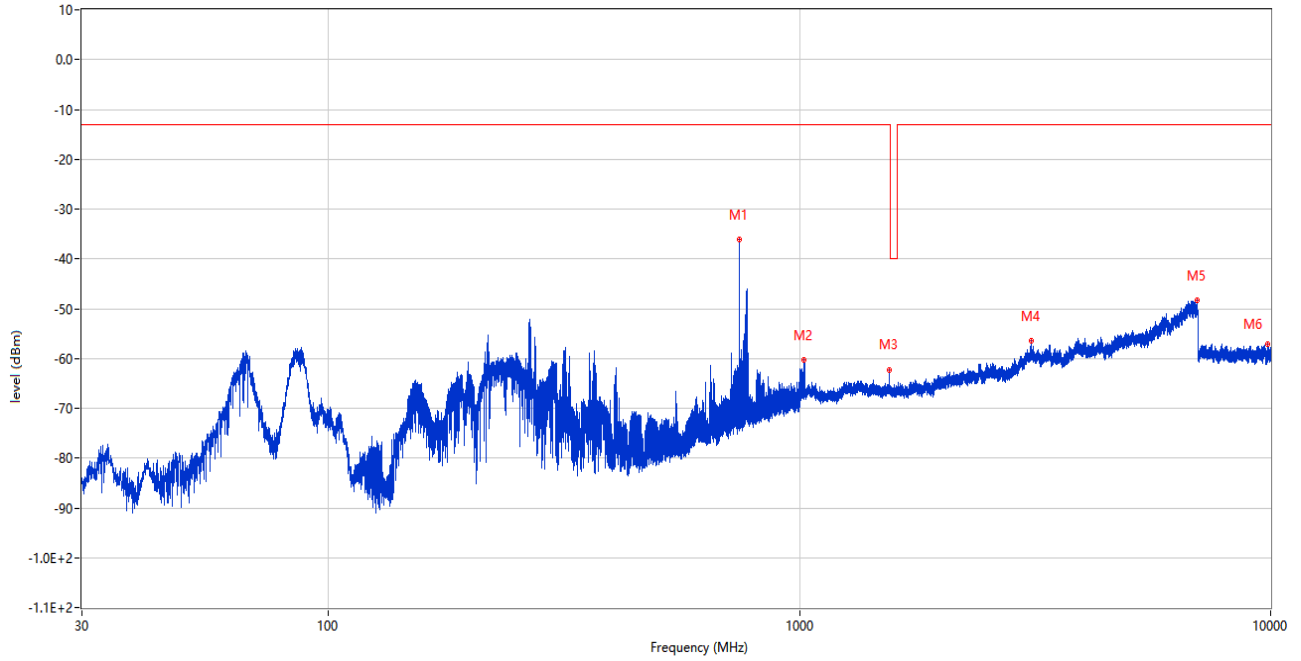
RSE (RF) _FCC PART228&24827_LTE Band 13 & 14_777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
746.102	-40.48	1.09	-13.0	27.48	301.00	Horizontal	Horizontal	N/A
777.104	-44.66	2.33	-13.0	31.66	275.00	Horizontal	Horizontal	N/A
1554.000	-52.62	-5.61	-13.0	39.62	178.00	Horizontal	Horizontal	Pass
3108.200	-53.64	3.41	-13.0	40.64	143.00	Horizontal	Horizontal	Pass
6797.400	-48.37	14.01	-13.0	35.37	168.00	Horizontal	Horizontal	Pass
8068.150	-57.25	9.86	-13.0	44.25	125.00	Horizontal	Horizontal	Pass

Band:NB-IOT B13,Channel:LOW range BW:3.75K

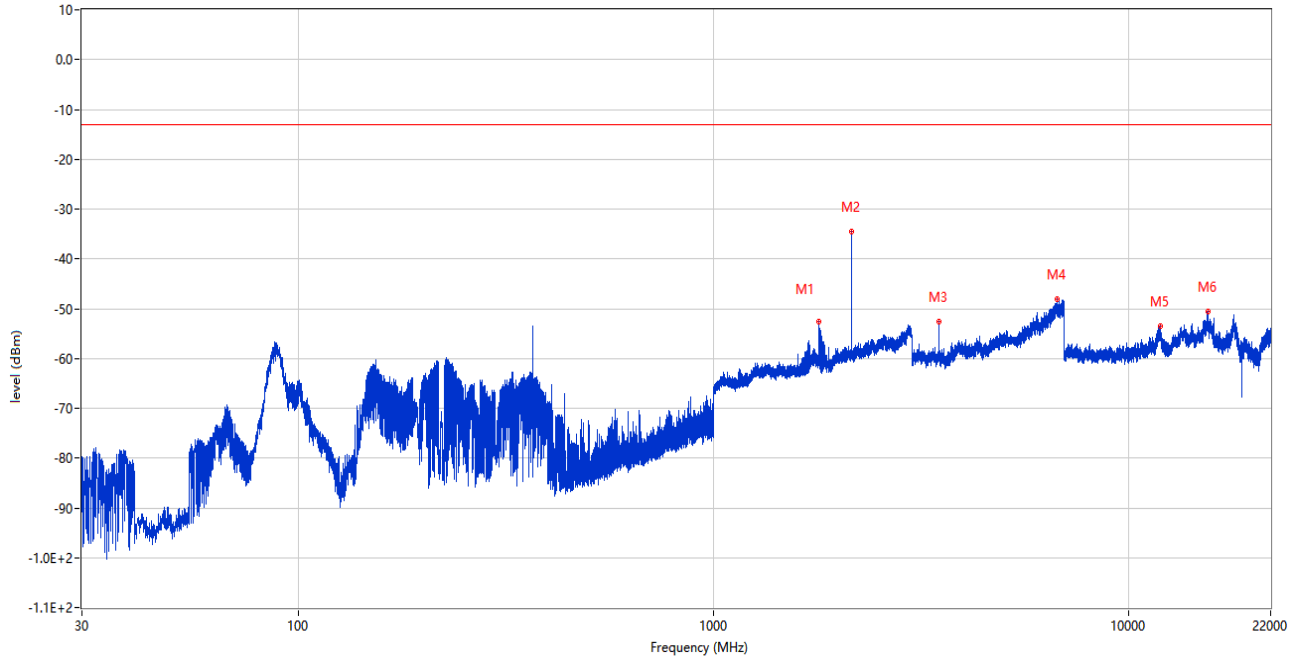
RSE (RF) _FCC PART228&24827_LTE Band 13 & 14 _777-803_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
746.094	-36.18	1.08	-13.0	23.18	269.00	Vertical	Horizontal	N/A
1024.300	-60.36	-4.97	-13.0	47.36	25.00	Vertical	Horizontal	Pass
1554.000	-62.21	-5.61	-13.0	49.21	86.00	Vertical	Horizontal	Pass
3107.800	-56.48	3.32	-13.0	43.48	196.00	Vertical	Horizontal	Pass
6973.200	-48.23	13.25	-13.0	35.23	178.00	Vertical	Horizontal	Pass
9876.700	-57.20	10.38	-13.0	44.20	61.00	Vertical	Horizontal	Pass

Band:NB-IOT B66,Channel:MID range BW:3.75K

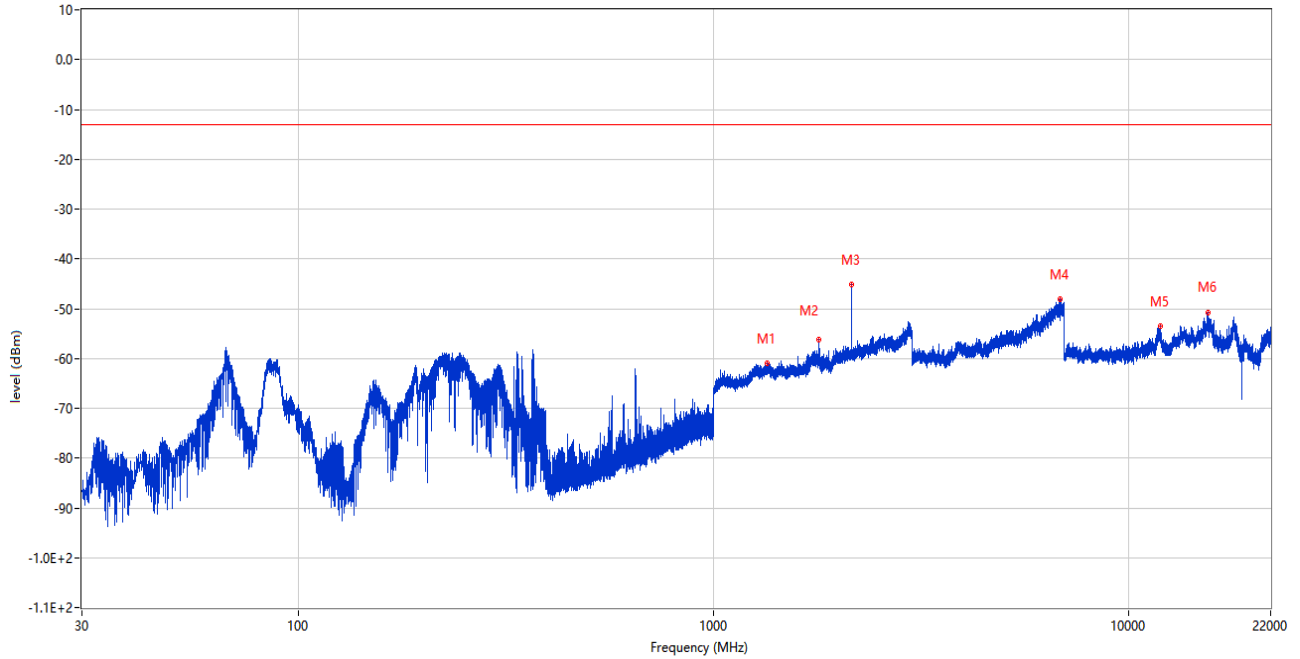
RSE (RF) _FCC PART228&248&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1794.900	-52.62	0.26	-13.0	39.62	254.00	Horizontal	Horizontal	Pass
2144.990	-34.54	2.05	-13.0	21.54	111.00	Horizontal	Horizontal	N/A
3489.600	-52.70	4.06	-13.0	39.70	122.00	Horizontal	Horizontal	Pass
6712.800	-48.12	13.00	-13.0	35.12	78.00	Horizontal	Horizontal	Pass
11922.862	-53.61	15.09	-13.0	40.61	140.00	Horizontal	Horizontal	Pass
15506.037	-50.67	18.80	-13.0	37.67	344.00	Horizontal	Horizontal	Pass

Band:NB-IOT B66,Channel:MID range BW:3.75K

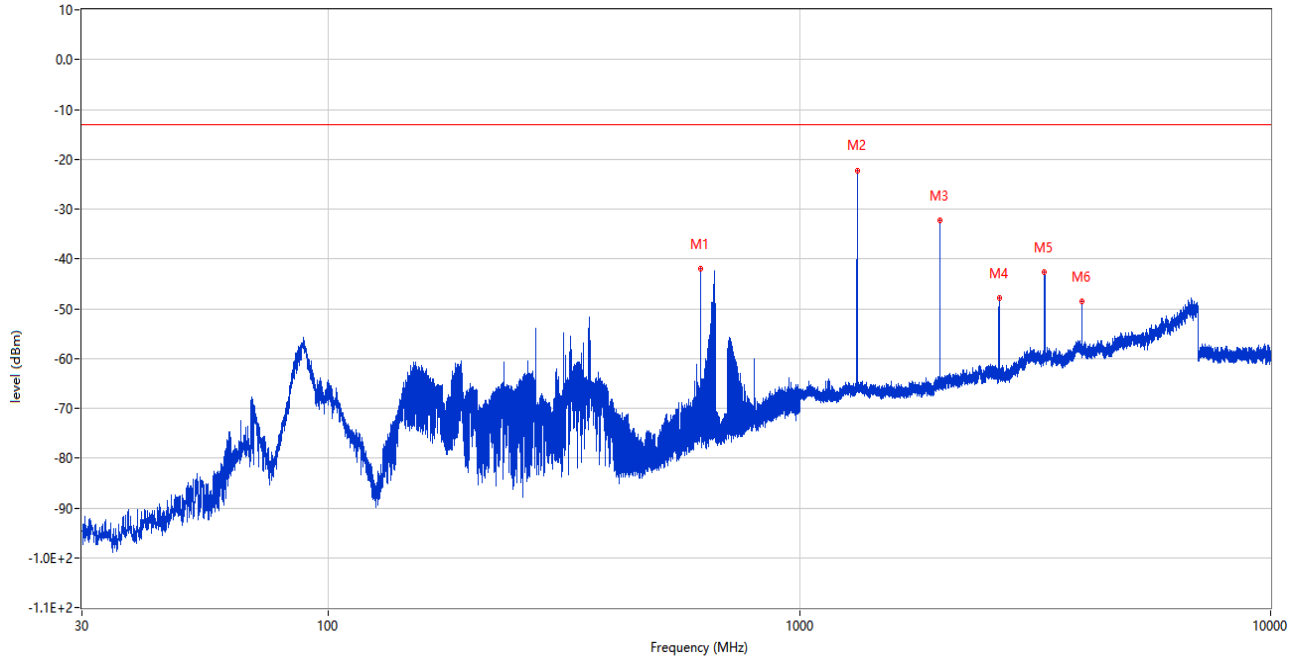
RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66 _1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1345.600	-60.94	-1.30	-13.0	47.94	80.00	Vertical	Horizontal	Pass
1794.500	-56.32	0.44	-13.0	43.32	124.00	Vertical	Horizontal	Pass
2145.007	-45.08	2.09	-13.0	32.08	29.00	Vertical	Horizontal	N/A
6857.000	-48.04	12.80	-13.0	35.04	276.00	Vertical	Horizontal	Pass
11910.500	-53.54	15.09	-13.0	40.54	273.00	Vertical	Horizontal	Pass
15511.125	-50.68	18.62	-13.0	37.68	86.00	Vertical	Horizontal	Pass

Band:NB-IOT B71,Channel:LOW range BW:3.75K

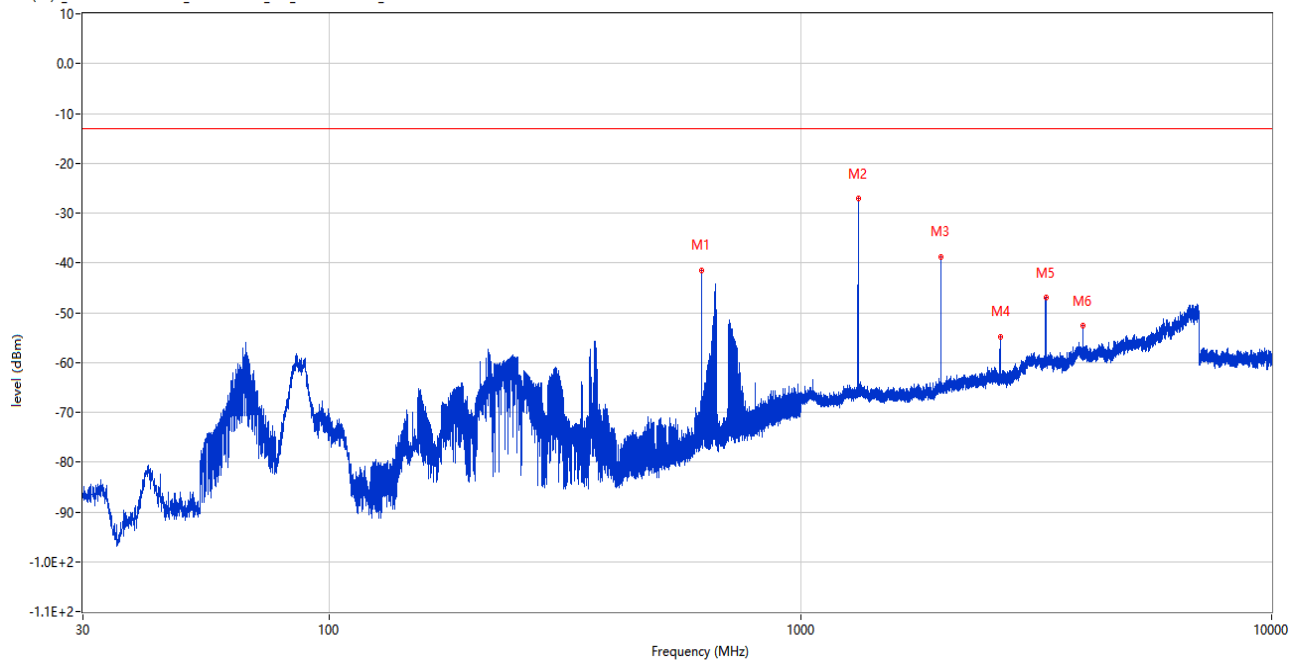
RSE (RF) _FCC PART22&24&27_LTE Band 71 _680_30MHz-10GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
617.044	-41.91	-1.79	-13.0	28.91	20.00	Horizontal	Horizontal	N/A
1326.000	-22.20	-4.67	-13.0	9.20	133.00	Horizontal	Horizontal	Pass
1989.400	-32.23	-4.04	-13.0	19.23	182.00	Horizontal	Horizontal	Pass
2652.200	-47.90	-0.76	-13.0	34.90	8.00	Horizontal	Horizontal	Pass
3315.000	-42.62	3.31	-13.0	29.62	141.00	Horizontal	Horizontal	Pass
3978.000	-48.52	5.88	-13.0	35.52	124.00	Horizontal	Horizontal	Pass

Band:NB-IOT B71,Channel:LOW range BW:3.75K

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
617.101	-41.43	-1.79	-13.0	28.43	38.00	Vertical	Horizontal	N/A
1325.900	-27.02	-4.68	-13.0	14.02	162.00	Vertical	Horizontal	Pass
1989.300	-38.72	-4.03	-13.0	25.72	25.00	Vertical	Horizontal	Pass
2652.400	-54.94	-0.79	-13.0	41.94	241.00	Vertical	Horizontal	Pass
3315.200	-46.94	3.29	-13.0	33.94	230.00	Vertical	Horizontal	Pass
3978.000	-52.52	5.88	-13.0	39.52	303.00	Vertical	Horizontal	Pass