

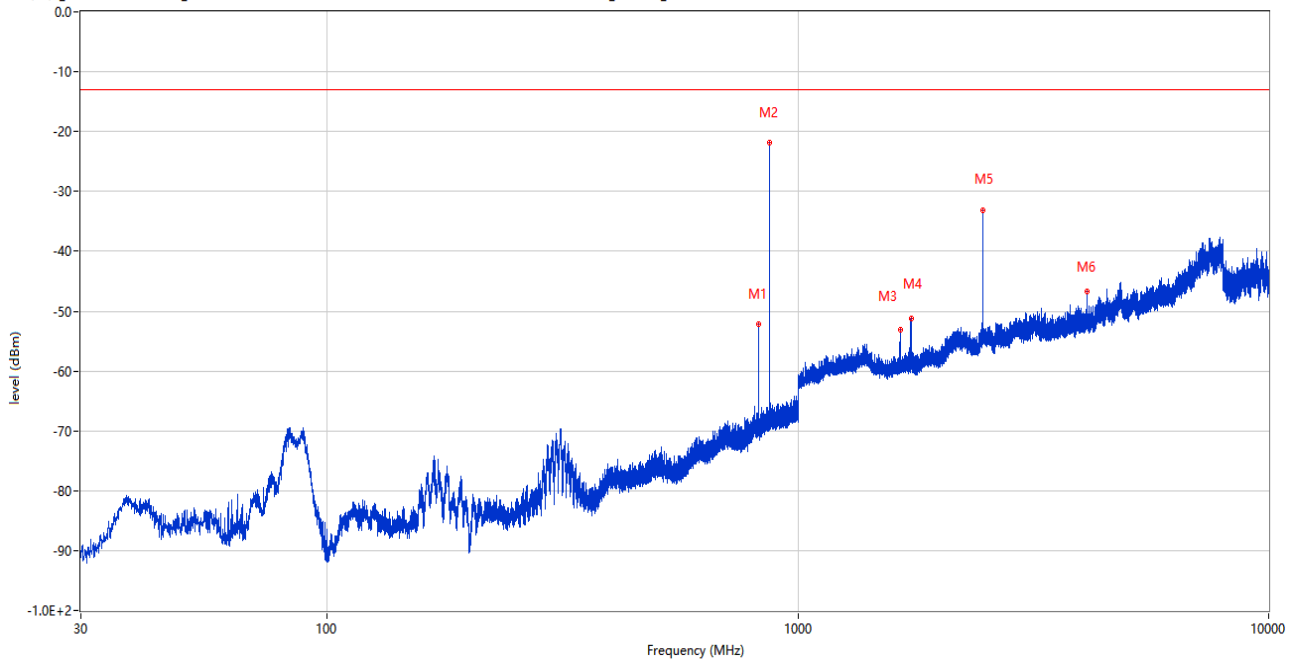
## **A.7 Field Strength of Spurious Radiation**

# 1. GSM

## 1.1 GSM 850

Band:GSM850,Channel:Low range

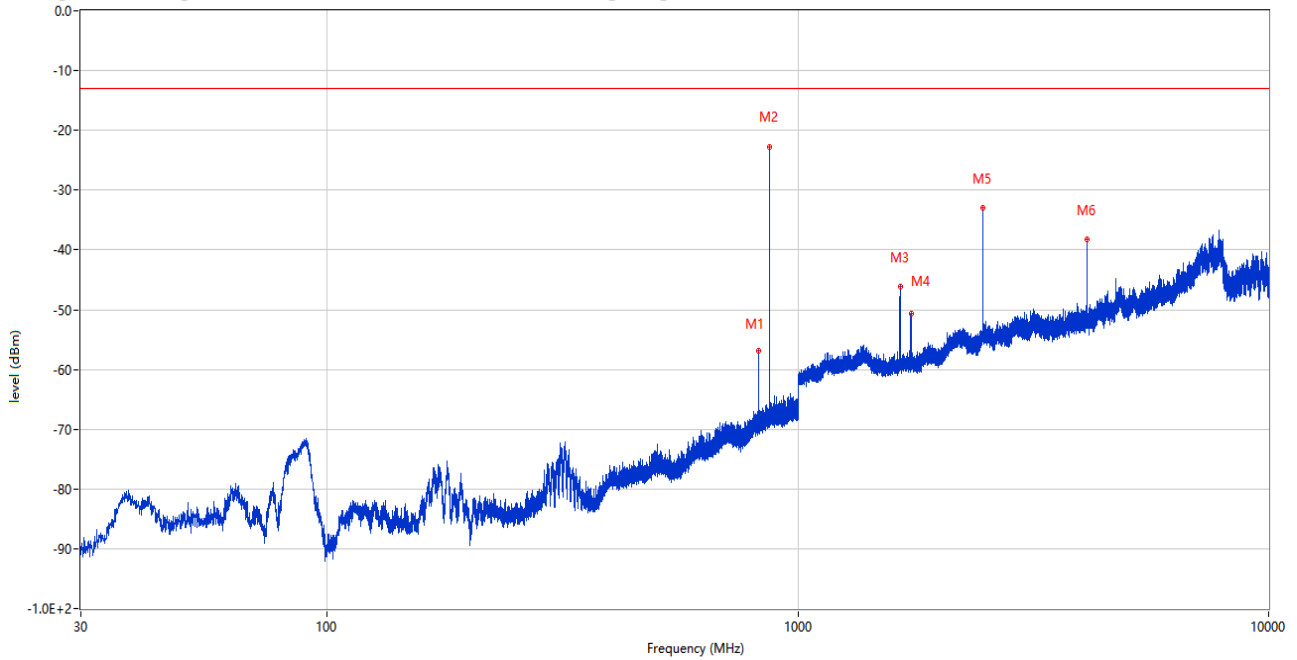
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.139	-52.15	1.95	-13.0	39.15	52.00	Horizontal	Horizontal	N/A
869.244	-21.80	2.10	-13.0	8.80	181.00	Horizontal	Horizontal	N/A
1648.900	-53.03	-5.54	-13.0	40.03	47.00	Horizontal	Horizontal	Pass
1738.600	-51.23	-5.17	-13.0	38.23	284.00	Horizontal	Horizontal	Pass
2473.000	-33.16	0.26	-13.0	20.16	23.00	Horizontal	Horizontal	Pass
4121.000	-46.72	5.93	-13.0	33.72	130.00	Horizontal	Horizontal	Pass

Band:GSM850,Channel:Low range

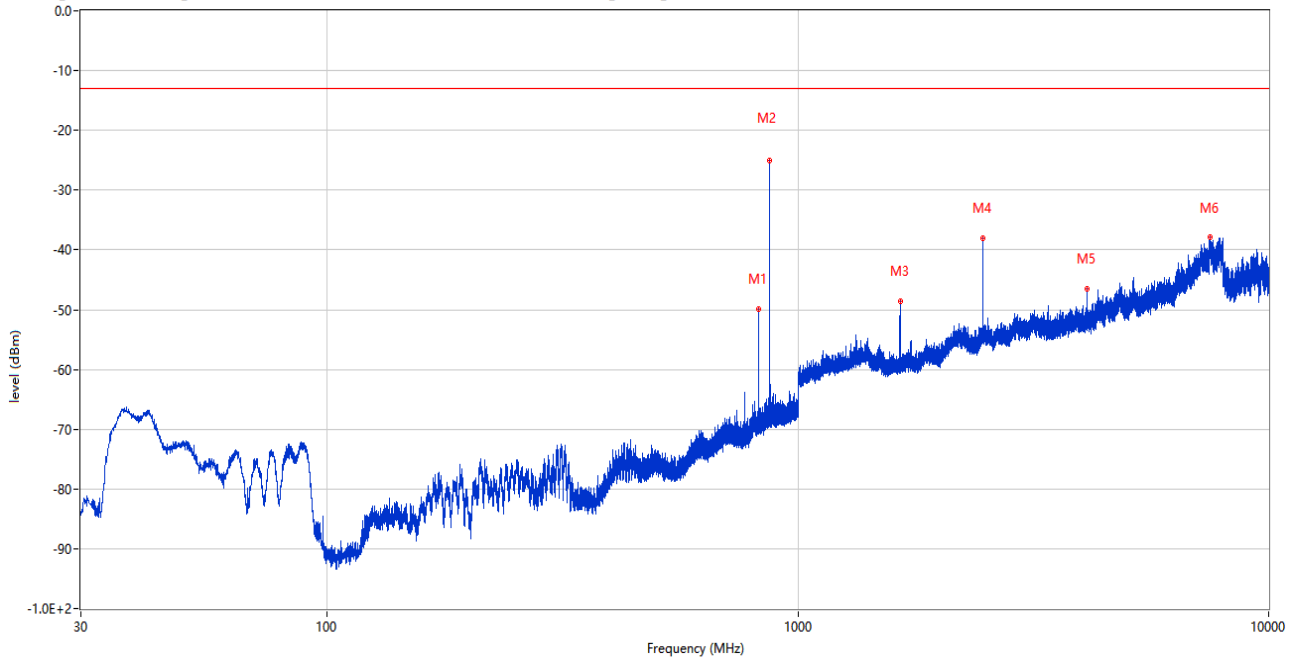
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.188	-56.83	1.96	-13.0	43.83	178.00	Horizontal	Vertical	N/A
869.196	-22.70	2.10	-13.0	9.70	178.00	Horizontal	Vertical	N/A
1648.600	-46.17	-5.54	-13.0	33.17	191.00	Horizontal	Vertical	Pass
1738.700	-50.69	-5.16	-13.0	37.69	267.00	Horizontal	Vertical	Pass
2472.800	-33.03	0.24	-13.0	20.03	196.00	Horizontal	Vertical	Pass
4121.500	-38.26	5.93	-13.0	25.26	187.00	Horizontal	Vertical	Pass

Band:GSM850,Channel:Low range

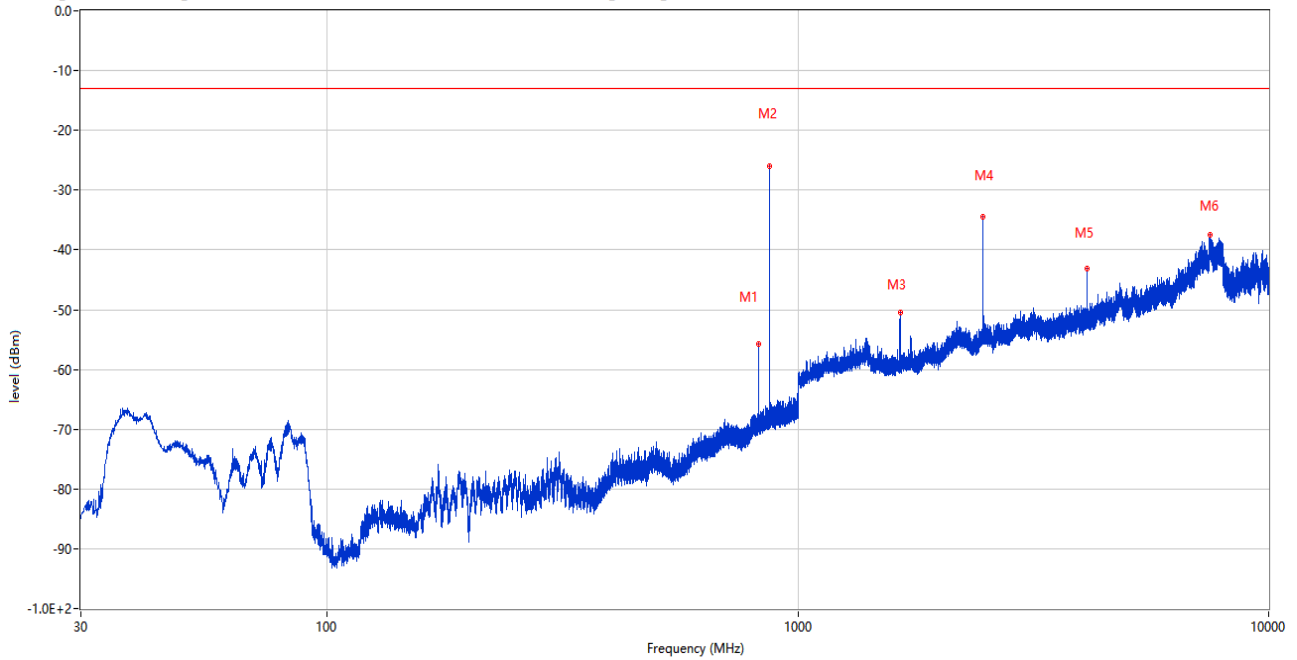
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.188	-49.89	1.96	-13.0	36.89	360.00	Vertical	Vertical	N/A
869.244	-25.06	2.10	-13.0	12.06	159.00	Vertical	Vertical	N/A
1648.600	-48.56	-5.54	-13.0	35.56	84.00	Vertical	Vertical	Pass
2472.700	-37.98	0.24	-13.0	24.98	300.00	Vertical	Vertical	Pass
4121.000	-46.51	5.93	-13.0	33.51	195.00	Vertical	Vertical	Pass
7497.500	-37.90	16.58	-13.0	24.90	262.00	Vertical	Vertical	Pass

Band:GSM850,Channel:Low range

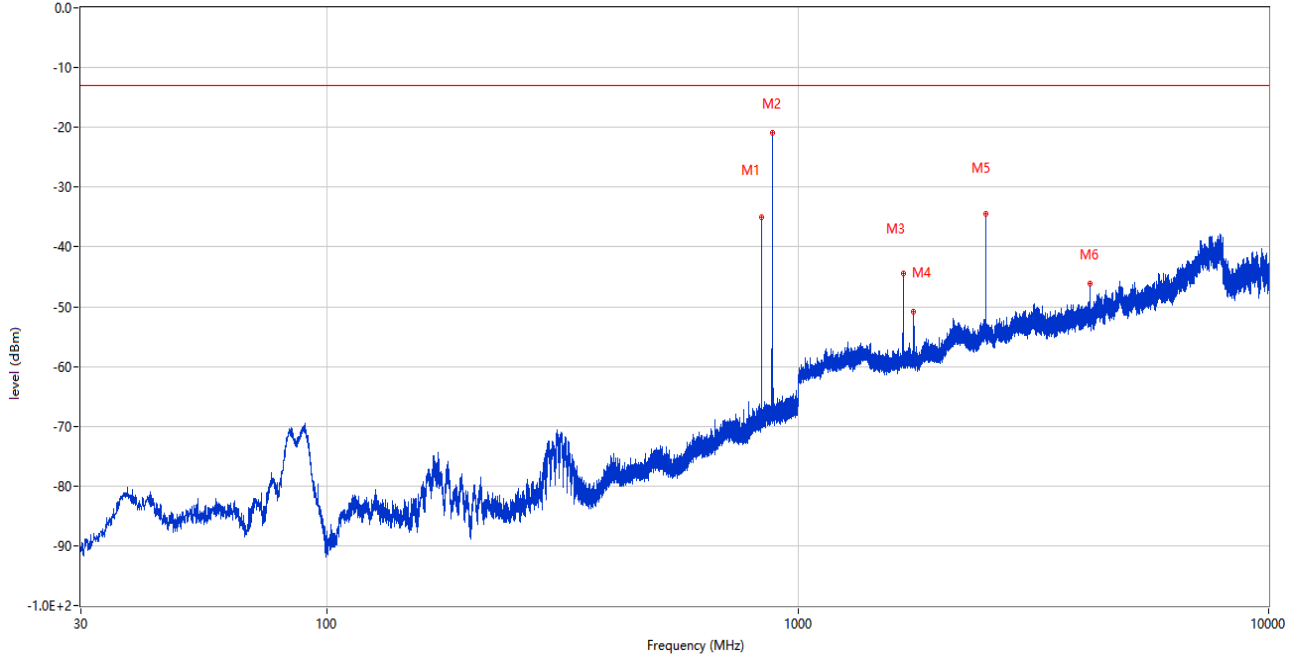
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
824.188	-55.71	1.96	-13.0	42.71	337.00	Vertical	Horizontal	N/A
869.244	-25.95	2.10	-13.0	12.95	168.00	Vertical	Horizontal	N/A
1648.700	-50.52	-5.54	-13.0	37.52	119.00	Vertical	Horizontal	Pass
2472.600	-34.50	0.23	-13.0	21.50	144.00	Vertical	Horizontal	Pass
4121.500	-43.42	5.93	-13.0	30.42	307.00	Vertical	Horizontal	Pass
7493.750	-37.53	16.75	-13.0	24.53	210.00	Vertical	Horizontal	Pass

Band:GSM850,Channel:Mid range

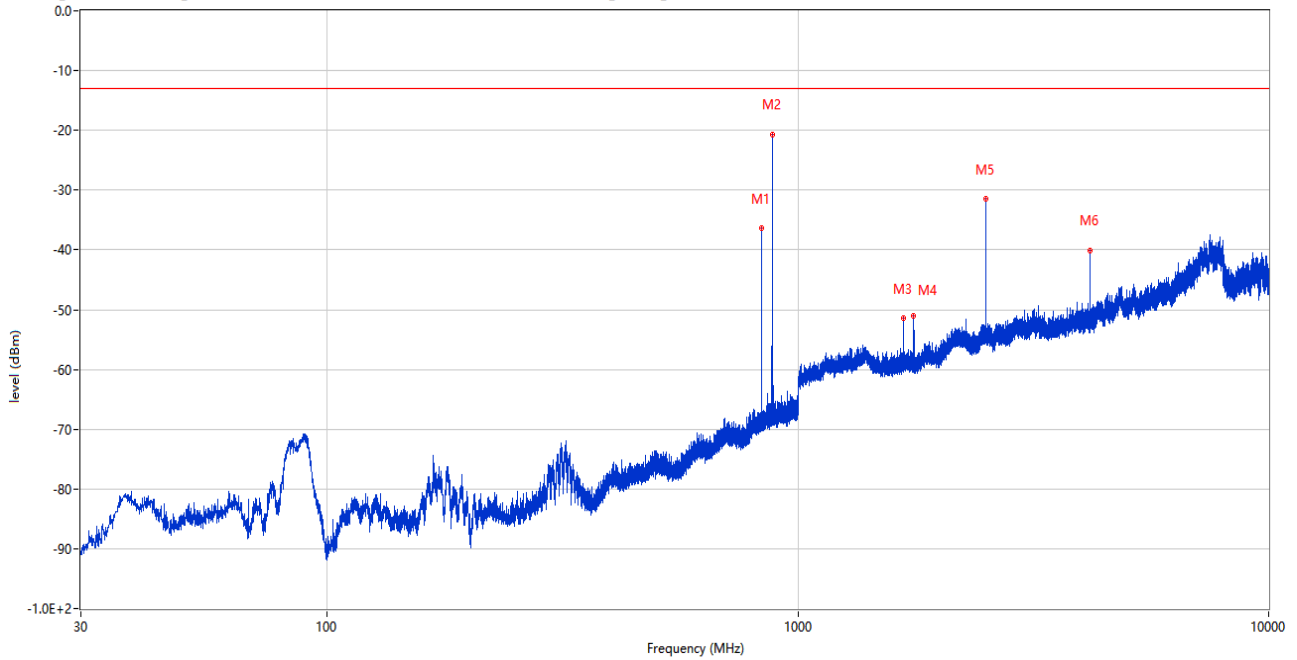
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-34.97	2.21	-13.0	21.97	334.00	Horizontal	Horizontal	N/A
881.612	-20.99	2.45	-13.0	7.99	184.00	Horizontal	Horizontal	N/A
1673.500	-44.52	-5.08	-13.0	31.52	97.00	Horizontal	Horizontal	Pass
1763.600	-50.88	-5.57	-13.0	37.88	267.00	Horizontal	Horizontal	Pass
2510.200	-34.48	0.40	-13.0	21.48	39.00	Horizontal	Horizontal	Pass
4183.250	-46.19	5.64	-13.0	33.19	182.00	Horizontal	Horizontal	Pass

Band:GSM850,Channel:Mid range

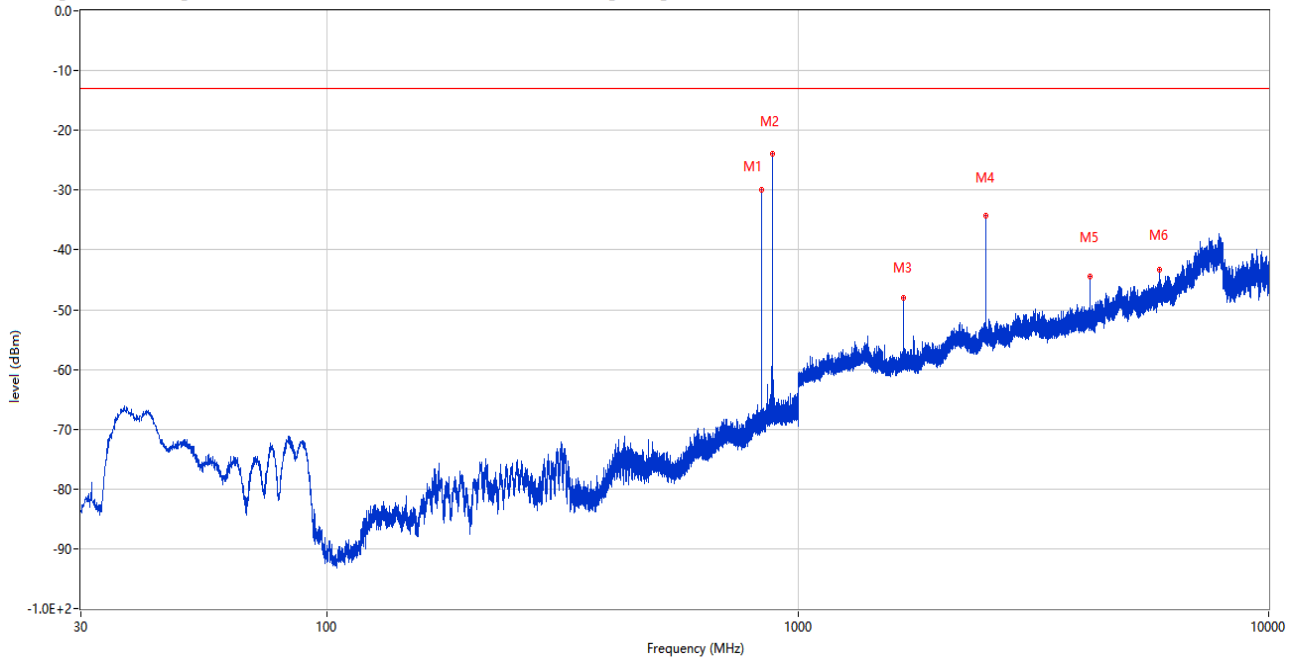
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-36.37	2.21	-13.0	23.37	188.00	Horizontal	Vertical	N/A
881.660	-20.71	2.45	-13.0	7.71	172.00	Horizontal	Vertical	N/A
1673.300	-51.41	-5.08	-13.0	38.41	187.00	Horizontal	Vertical	Pass
1763.400	-51.04	-5.57	-13.0	38.04	273.00	Horizontal	Vertical	Pass
2509.900	-31.52	0.41	-13.0	18.52	212.00	Horizontal	Vertical	Pass
4183.500	-40.05	5.62	-13.0	27.05	230.00	Horizontal	Vertical	Pass

Band:GSM850,Channel:Mid range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

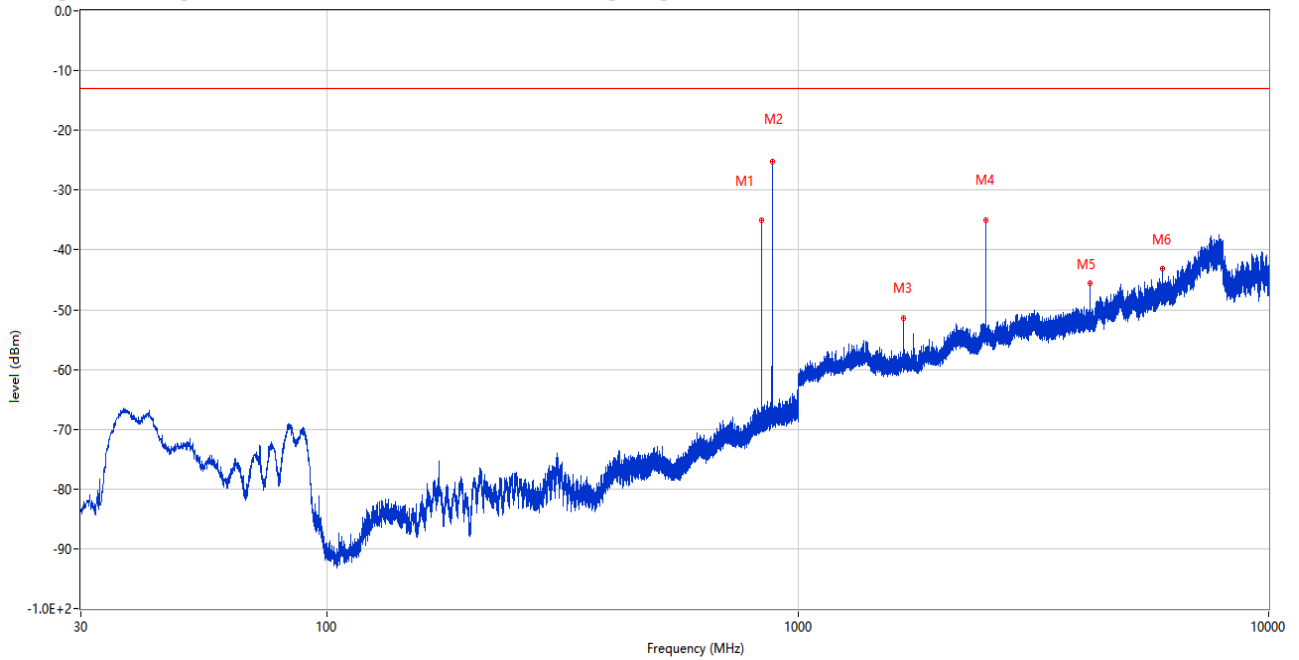


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-29.93	2.21	-13.0	16.93	356.00	Vertical	Vertical	N/A
881.612	-23.85	2.45	-13.0	10.85	163.00	Vertical	Vertical	N/A
1673.500	-47.97	-5.08	-13.0	34.97	72.00	Vertical	Vertical	Pass
2510.200	-34.28	0.40	-13.0	21.28	52.00	Vertical	Vertical	Pass
4182.750	-44.44	5.66	-13.0	31.44	218.00	Vertical	Vertical	Pass
5856.750	-43.39	8.76	-13.0	30.39	159.00	Vertical	Vertical	Pass



Band:GSM850,Channel:Mid range

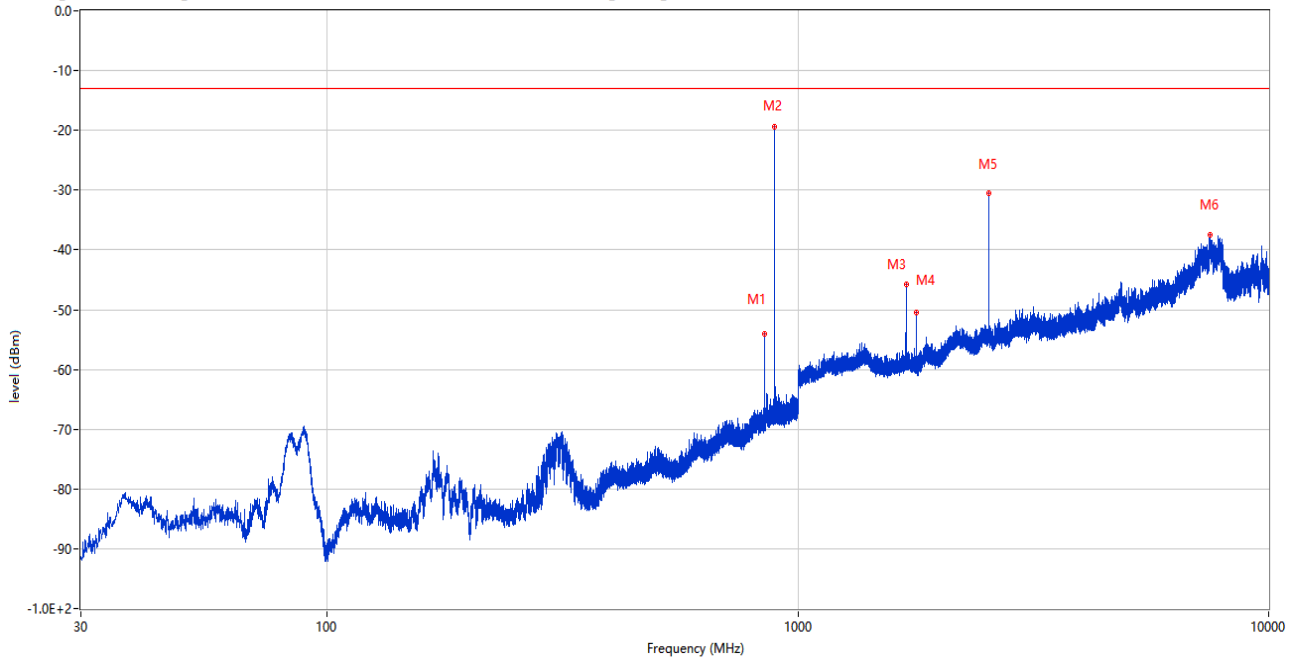
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-35.06	2.21	-13.0	22.06	325.00	Vertical	Horizontal	N/A
881.660	-25.14	2.45	-13.0	12.14	167.00	Vertical	Horizontal	N/A
1673.200	-51.33	-5.07	-13.0	38.33	184.00	Vertical	Horizontal	Pass
2509.800	-35.11	0.41	-13.0	22.11	184.00	Vertical	Horizontal	Pass
4183.500	-45.59	5.62	-13.0	32.59	288.00	Vertical	Horizontal	Pass
5940.750	-43.19	8.42	-13.0	30.19	105.00	Vertical	Horizontal	Pass

Band:GSM850,Channel:High range

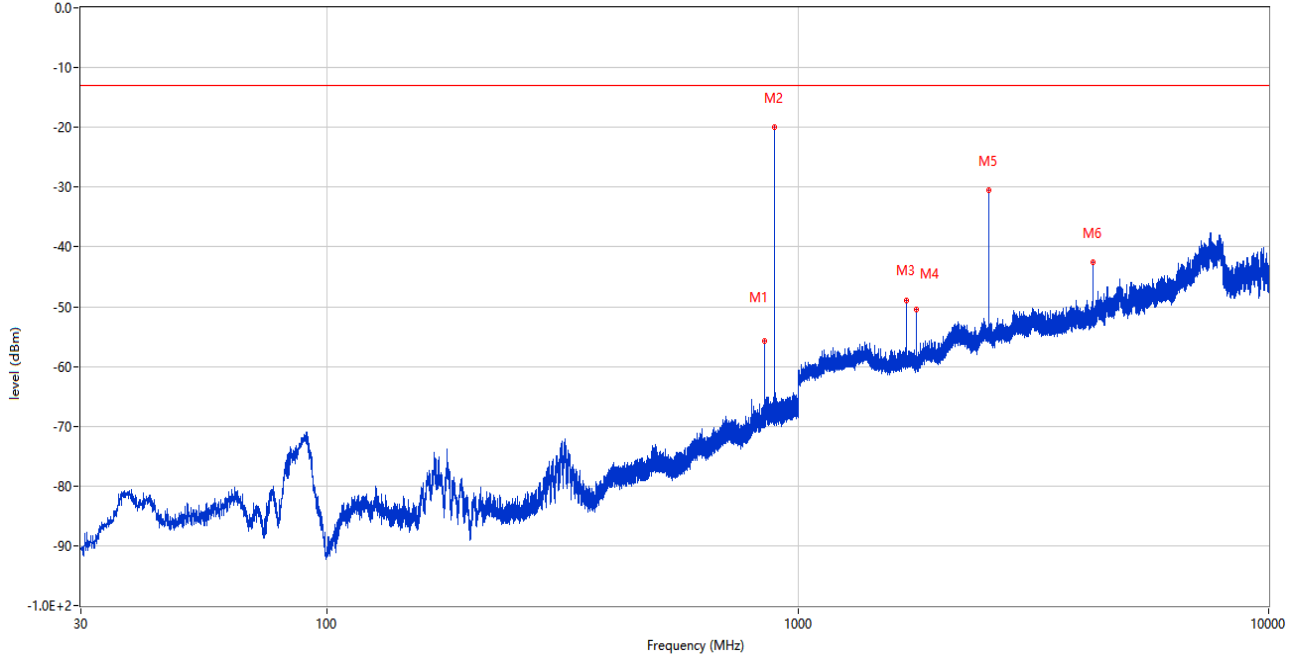
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.729	-54.11	2.40	-13.0	41.11	274.00	Horizontal	Horizontal	N/A
893.882	-19.32	2.32	-13.0	6.32	173.00	Horizontal	Horizontal	N/A
1697.700	-45.82	-5.37	-13.0	32.82	87.00	Horizontal	Horizontal	Pass
1788.100	-50.49	-5.65	-13.0	37.49	274.00	Horizontal	Horizontal	Pass
2546.900	-30.58	0.49	-13.0	17.58	50.00	Horizontal	Horizontal	Pass
7498.000	-37.44	16.56	-13.0	24.44	324.00	Horizontal	Horizontal	Pass

Band:GSM850,Channel:High range

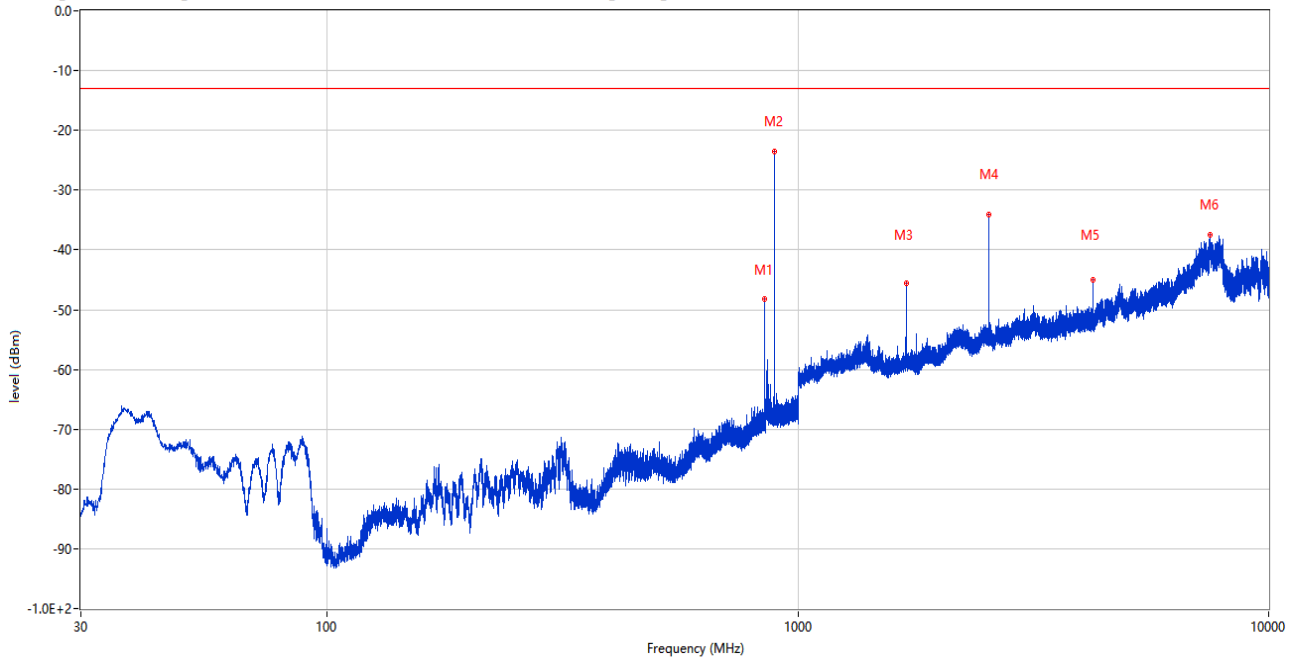
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.729	-55.75	2.40	-13.0	42.75	312.00	Horizontal	Vertical	N/A
893.785	-20.06	2.31	-13.0	7.06	173.00	Horizontal	Vertical	N/A
1697.700	-48.95	-5.37	-13.0	35.95	23.00	Horizontal	Vertical	Pass
1787.700	-50.53	-5.66	-13.0	37.53	285.00	Horizontal	Vertical	Pass
2546.900	-30.59	0.49	-13.0	17.59	217.00	Horizontal	Vertical	Pass
4244.000	-42.61	4.86	-13.0	29.61	233.00	Horizontal	Vertical	Pass

Band:GSM850,Channel:High range

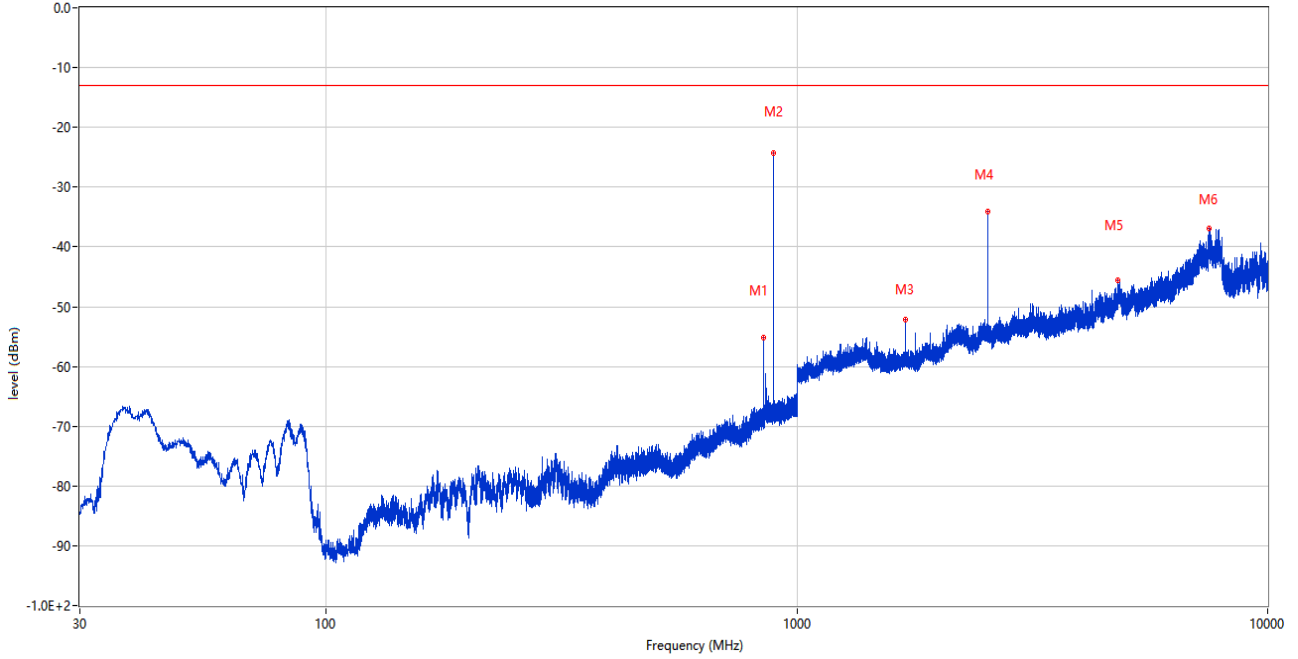
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.777	-48.15	2.40	-13.0	35.15	353.00	Vertical	Vertical	N/A
893.833	-23.51	2.31	-13.0	10.51	160.00	Vertical	Vertical	N/A
1697.900	-45.56	-5.37	-13.0	32.56	58.00	Vertical	Vertical	Pass
2546.800	-34.00	0.49	-13.0	21.00	0.00	Vertical	Vertical	Pass
4244.250	-44.92	4.86	-13.0	31.92	222.00	Vertical	Vertical	Pass
7525.000	-37.45	16.13	-13.0	24.45	138.00	Vertical	Vertical	Pass

Band:GSM850,Channel:High range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

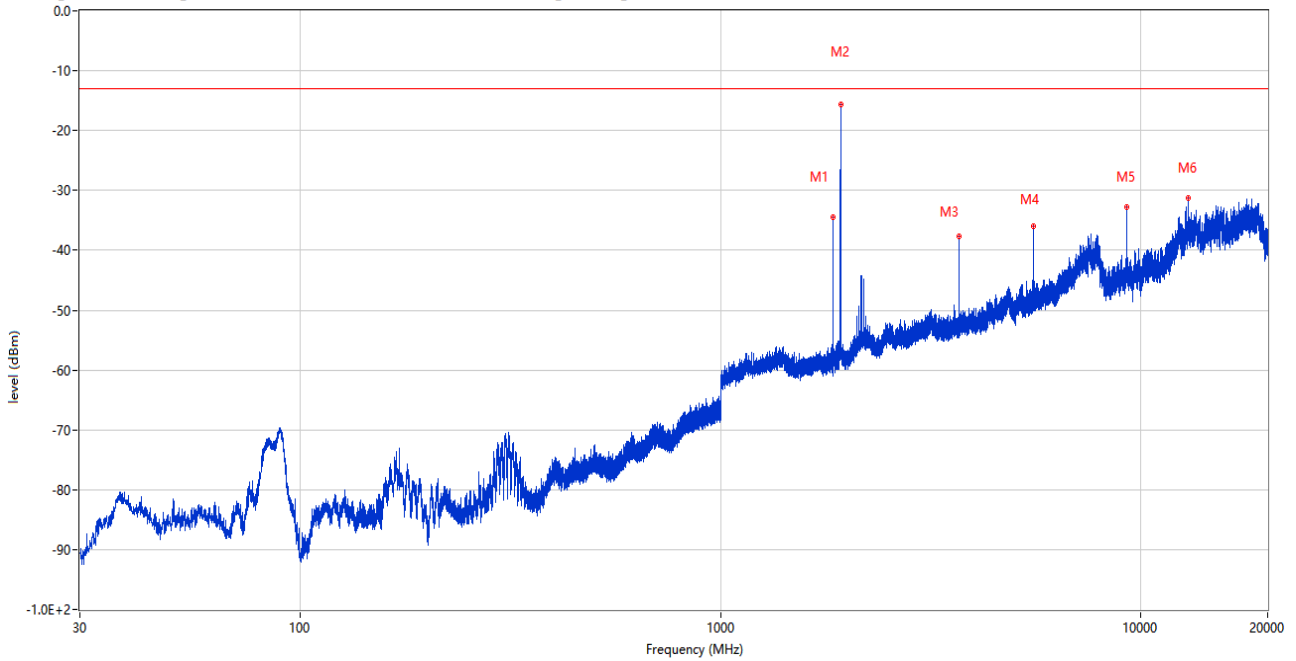


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.825	-55.18	2.40	-13.0	42.18	348.00	Vertical	Horizontal	N/A
893.785	-24.31	2.31	-13.0	11.31	240.00	Vertical	Horizontal	N/A
1697.600	-52.16	-5.37	-13.0	39.16	182.00	Vertical	Horizontal	Pass
2546.700	-34.18	0.48	-13.0	21.18	161.00	Vertical	Horizontal	Pass
4802.250	-45.54	8.01	-13.0	32.54	303.00	Vertical	Horizontal	Pass
7492.250	-36.98	16.76	-13.0	23.98	171.00	Vertical	Horizontal	Pass

## 1.2 GSM 1900

Band:GSM1900,Channel:Low range

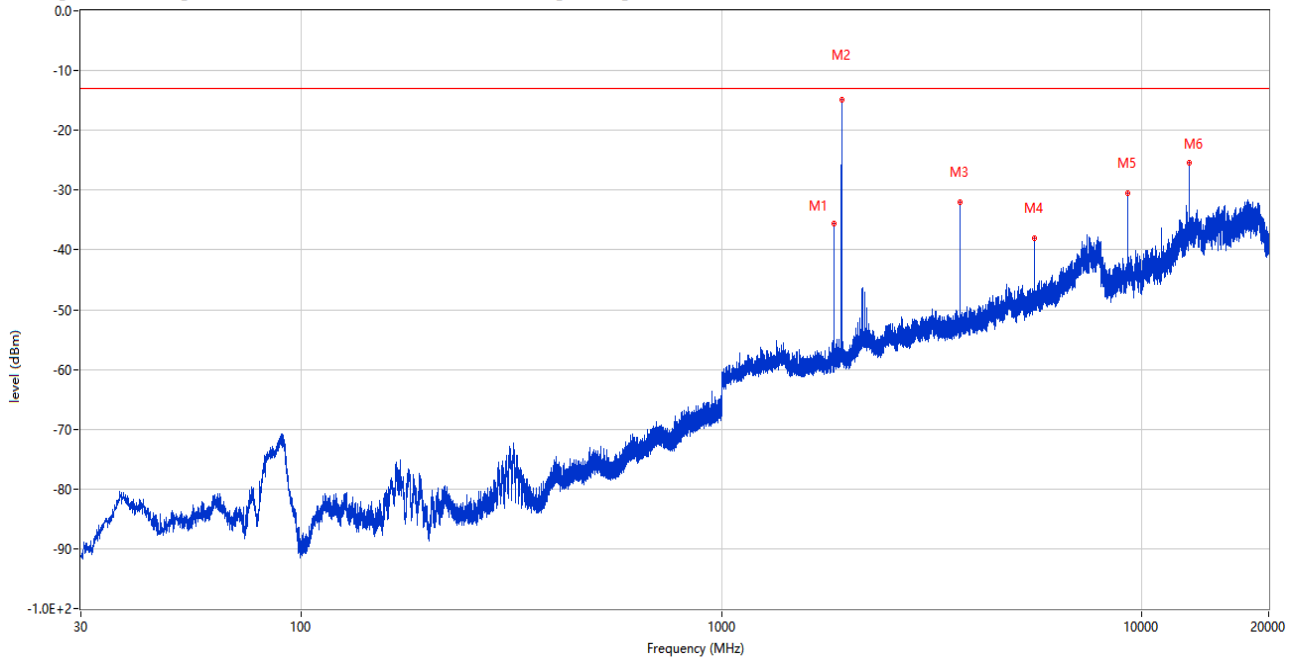
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.300	-34.55	-3.52	-13.0	21.55	197.00	Horizontal	Horizontal	N/A
1930.400	-15.55	-3.14	-13.0	2.55	268.00	Horizontal	Horizontal	N/A
3700.500	-37.64	4.36	-13.0	24.64	171.00	Horizontal	Horizontal	Pass
5550.500	-35.90	7.29	-13.0	22.90	46.00	Horizontal	Horizontal	Pass
9250.675	-32.70	15.88	-13.0	19.70	117.00	Horizontal	Horizontal	Pass
12950.825	-31.17	22.54	-13.0	18.17	170.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:Low range

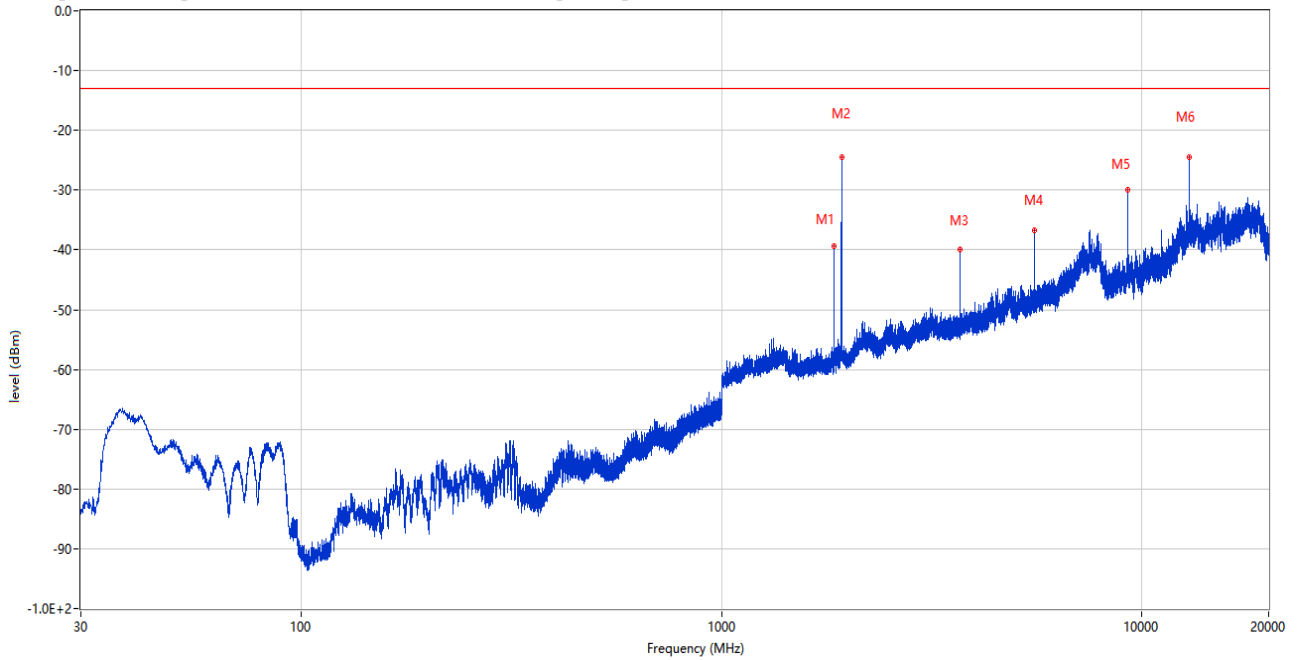
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.400	-35.53	-3.52	-13.0	22.53	197.00	Horizontal	Vertical	N/A
1930.500	-14.87	-3.19	-13.0	1.87	274.00	Horizontal	Vertical	N/A
3700.500	-31.98	4.36	-13.0	18.98	228.00	Horizontal	Vertical	Pass
5550.500	-37.99	7.29	-13.0	24.99	161.00	Horizontal	Vertical	Pass
9251.387	-30.46	15.87	-13.0	17.46	162.00	Horizontal	Vertical	Pass
12951.187	-25.47	22.54	-13.0	12.47	112.00	Horizontal	Vertical	Pass

Band:GSM1900,Channel:Low range

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

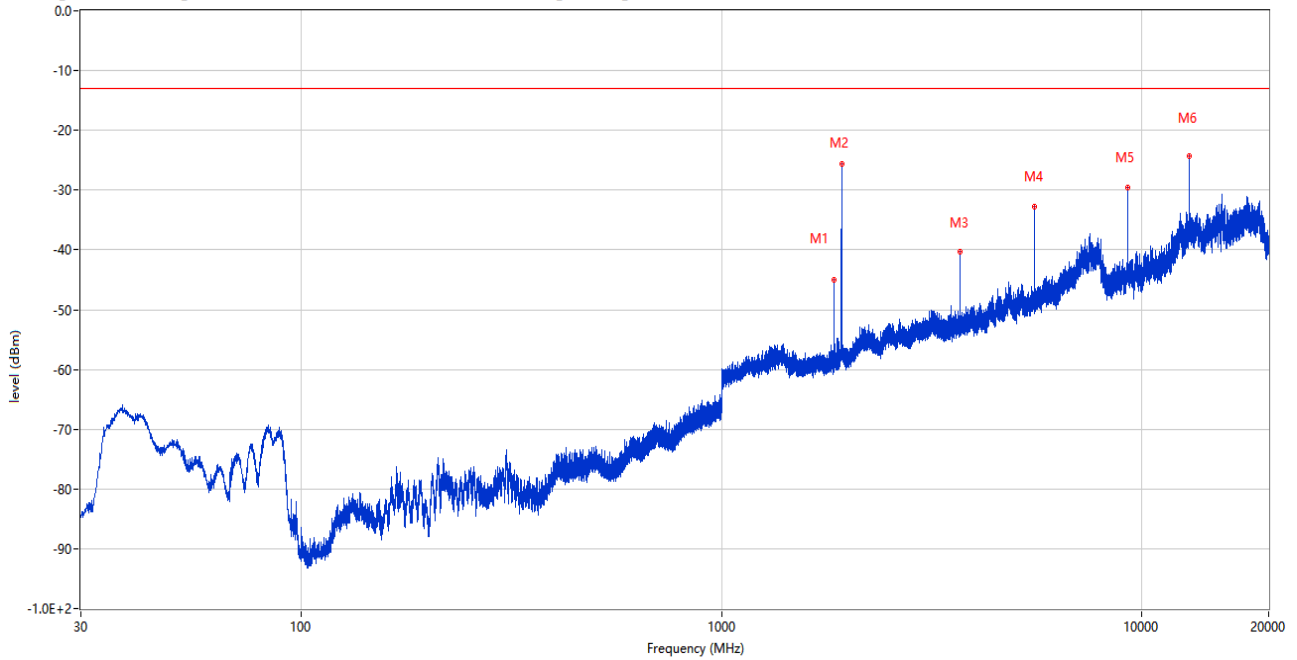


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.400	-39.44	-3.52	-13.0	26.44	103.00	Vertical	Vertical	N/A
1930.500	-24.42	-3.19	-13.0	11.42	263.00	Vertical	Vertical	N/A
3701.000	-39.97	4.41	-13.0	26.97	147.00	Vertical	Vertical	Pass
5551.000	-36.64	7.29	-13.0	23.64	219.00	Vertical	Vertical	Pass
9250.675	-29.90	15.88	-13.0	16.90	180.00	Vertical	Vertical	Pass
12951.912	-24.39	22.54	-13.0	11.39	195.00	Vertical	Vertical	Pass



Band:GSM1900,Channel:Low range

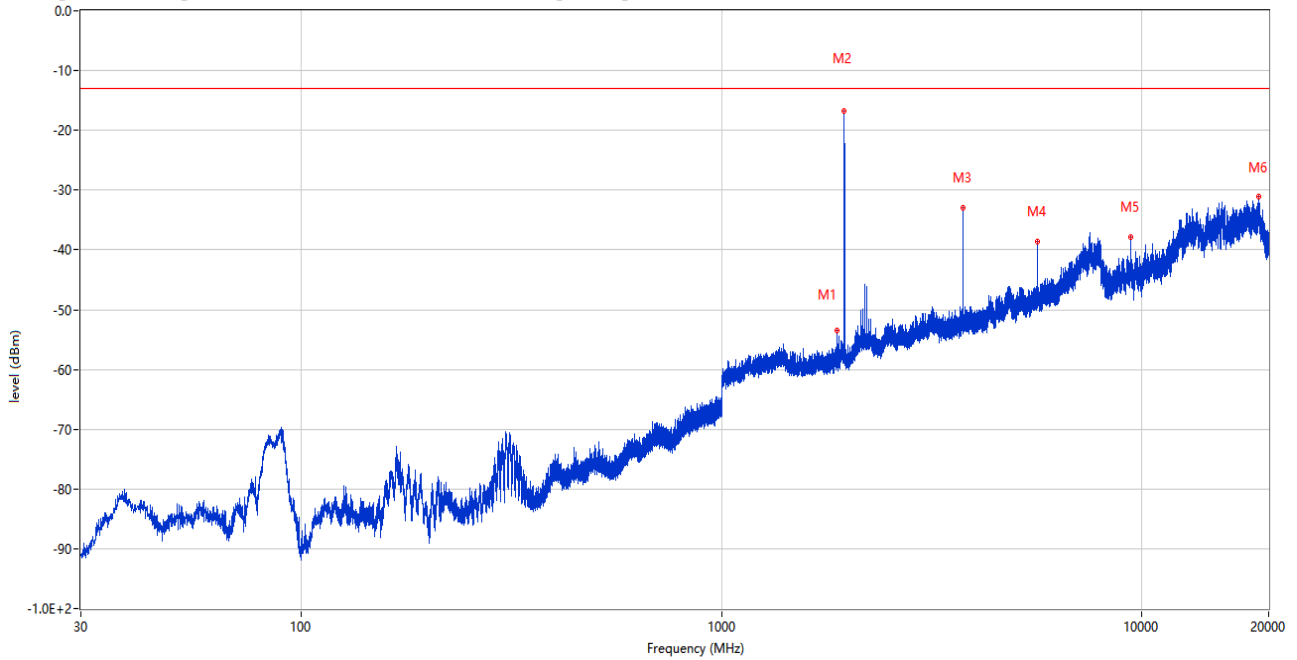
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.300	-45.00	-3.52	-13.0	32.00	292.00	Vertical	Horizontal	N/A
1930.500	-25.58	-3.19	-13.0	12.58	277.00	Vertical	Horizontal	N/A
3700.500	-40.34	4.36	-13.0	27.34	261.00	Vertical	Horizontal	Pass
5550.750	-32.74	7.29	-13.0	19.74	227.00	Vertical	Horizontal	Pass
9250.912	-29.57	15.88	-13.0	16.57	278.00	Vertical	Horizontal	Pass
12951.912	-24.28	22.54	-13.0	11.28	102.00	Vertical	Horizontal	Pass

Band:GSM1900,Channel:Mid range

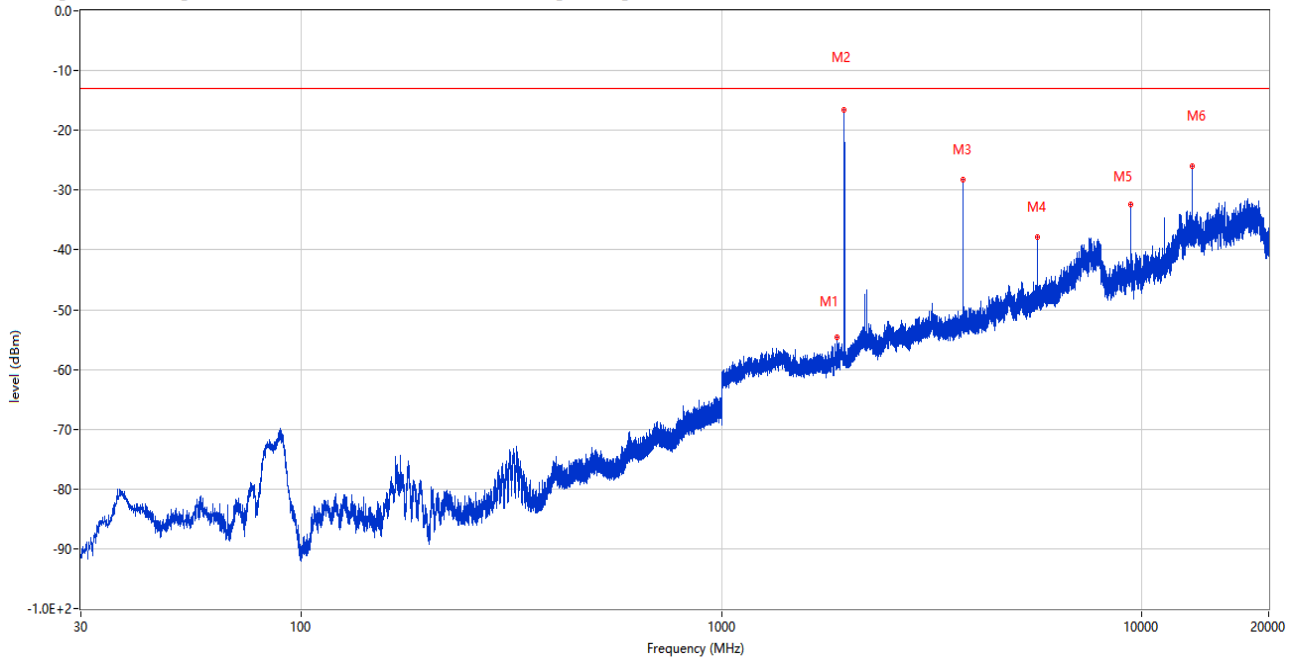
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Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1880.100	-53.53	-3.00	-13.0	40.53	205.00	Horizontal	Horizontal	N/A
1960.300	-16.70	-4.44	-13.0	3.70	267.00	Horizontal	Horizontal	N/A
3760.000	-32.90	4.45	-13.0	19.90	162.00	Horizontal	Horizontal	Pass
5640.500	-38.54	8.17	-13.0	25.54	66.00	Horizontal	Horizontal	Pass
9400.300	-37.89	15.89	-13.0	24.89	264.00	Horizontal	Horizontal	Pass
18937.512	-31.16	24.02	-13.0	18.16	56.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:Mid range

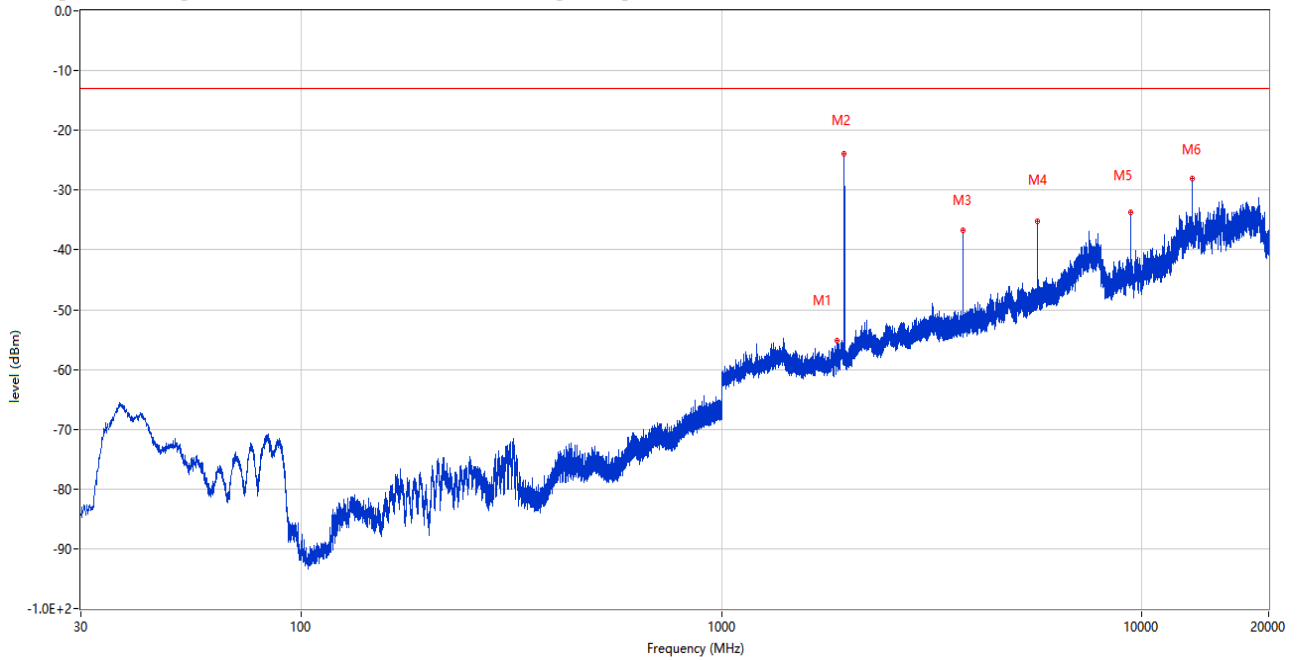
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1880.100	-54.56	-3.00	-13.0	41.56	213.00	Horizontal	Vertical	N/A
1960.300	-16.50	-4.44	-13.0	3.50	263.00	Horizontal	Vertical	N/A
3760.250	-28.21	4.47	-13.0	15.21	242.00	Horizontal	Vertical	Pass
5640.250	-37.80	8.17	-13.0	24.80	186.00	Horizontal	Vertical	Pass
9400.063	-32.32	15.88	-13.0	19.32	248.00	Horizontal	Vertical	Pass
13160.713	-26.04	22.22	-13.0	13.04	108.00	Horizontal	Vertical	Pass

Band:GSM1900,Channel:Mid range

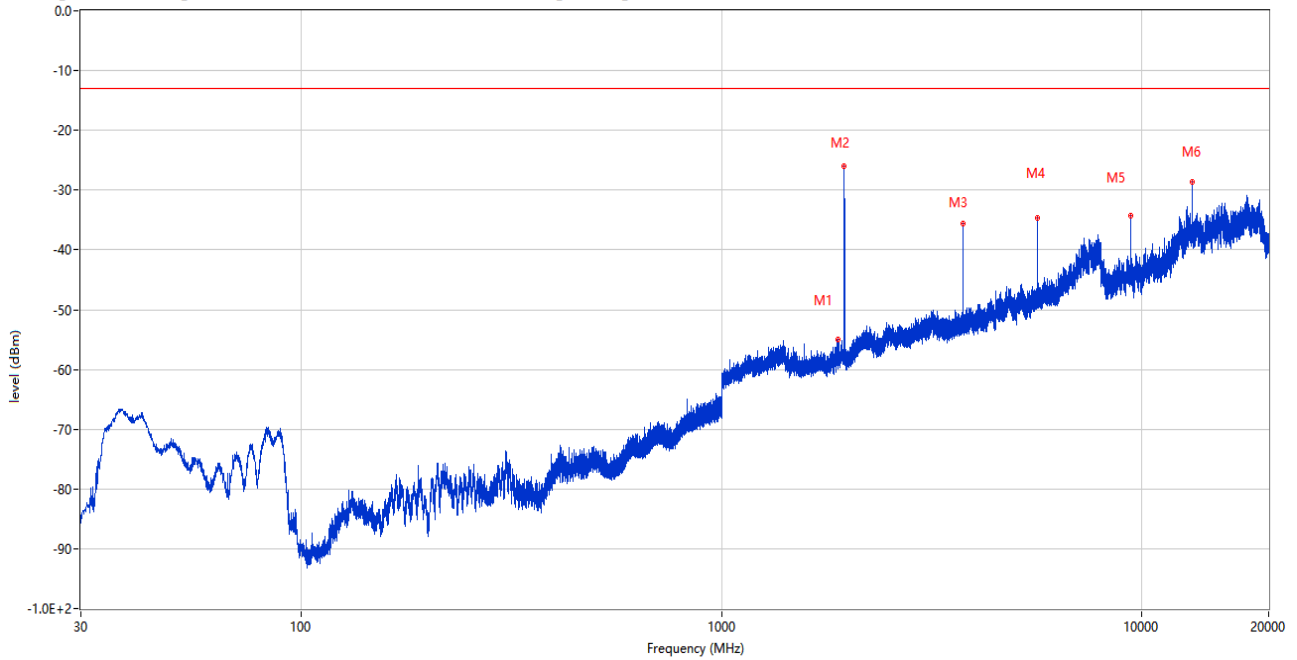
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1880.400	-55.17	-3.00	-13.0	42.17	266.00	Vertical	Vertical	N/A
1960.200	-23.95	-4.45	-13.0	10.95	271.00	Vertical	Vertical	N/A
3760.250	-36.71	4.47	-13.0	23.71	188.00	Vertical	Vertical	Pass
5640.000	-35.21	8.17	-13.0	22.21	204.00	Vertical	Vertical	Pass
9400.537	-33.73	15.89	-13.0	20.73	224.00	Vertical	Vertical	Pass
13160.713	-28.09	22.22	-13.0	15.09	148.00	Vertical	Vertical	Pass

Band:GSM1900,Channel:Mid range

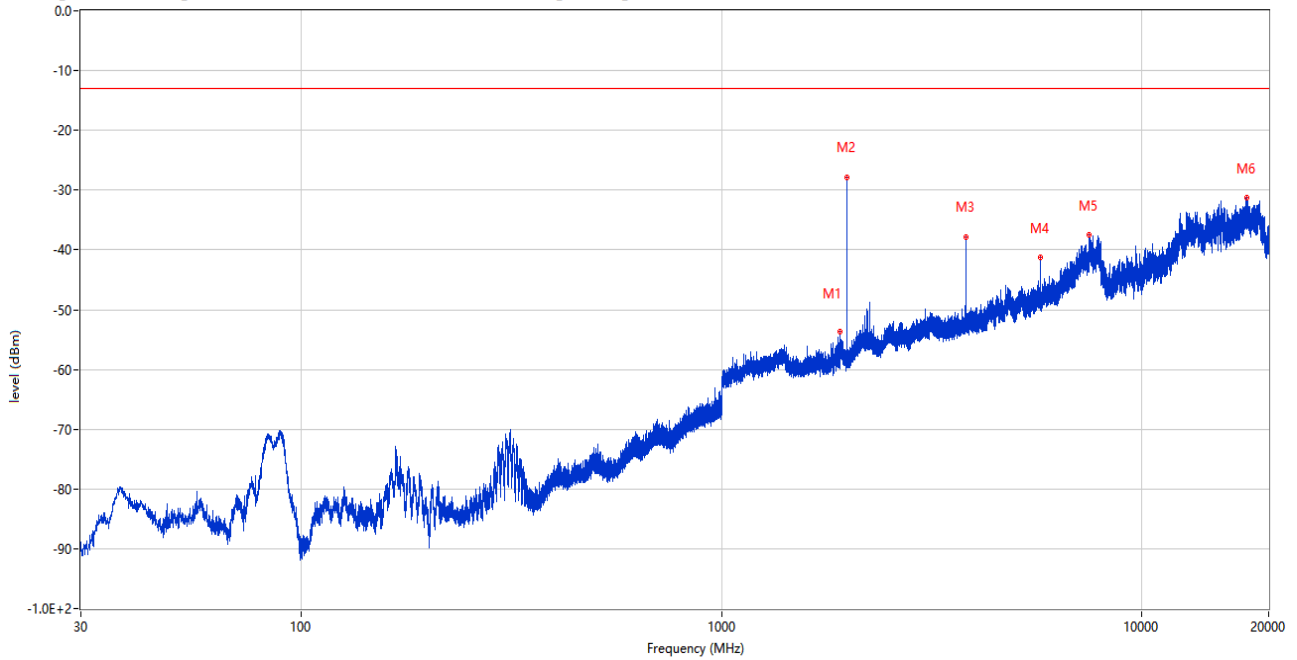
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1893.700	-54.99	-2.76	-13.0	41.99	196.00	Vertical	Horizontal	Pass
1960.200	-25.99	-4.45	-13.0	12.99	160.00	Vertical	Horizontal	N/A
3760.250	-35.66	4.47	-13.0	22.66	296.00	Vertical	Horizontal	Pass
5640.500	-34.74	8.17	-13.0	21.74	255.00	Vertical	Horizontal	Pass
9400.300	-34.28	15.89	-13.0	21.28	263.00	Vertical	Horizontal	Pass
13159.625	-28.55	22.19	-13.0	15.55	100.00	Vertical	Horizontal	Pass

Band:GSM1900,Channel:High range

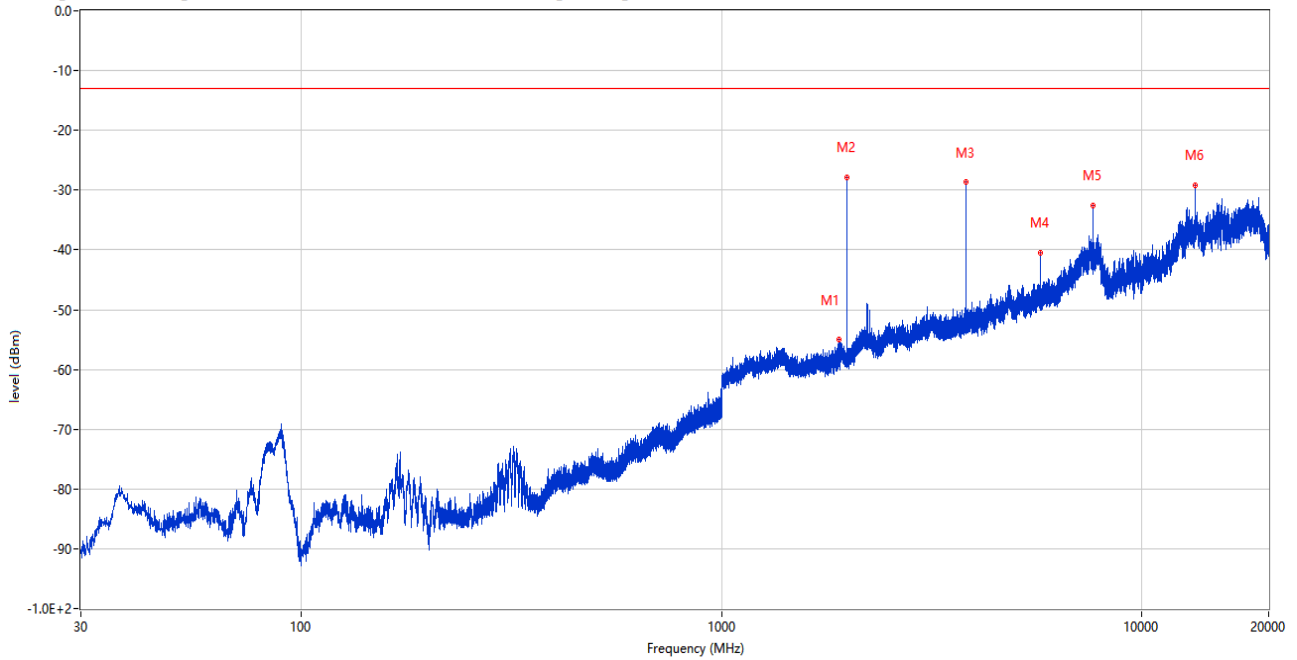
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1909.800	-53.66	-2.68	-13.0	40.66	163.00	Horizontal	Horizontal	N/A
1990.000	-27.79	-4.40	-13.0	14.79	279.00	Horizontal	Horizontal	N/A
3820.000	-37.80	5.19	-13.0	24.80	138.00	Horizontal	Horizontal	Pass
5729.750	-41.34	7.62	-13.0	28.34	14.00	Horizontal	Horizontal	Pass
7501.250	-37.49	16.39	-13.0	24.49	196.00	Horizontal	Horizontal	Pass
17795.275	-31.34	26.41	-13.0	18.34	123.00	Horizontal	Horizontal	Pass

Band:GSM1900,Channel:High range

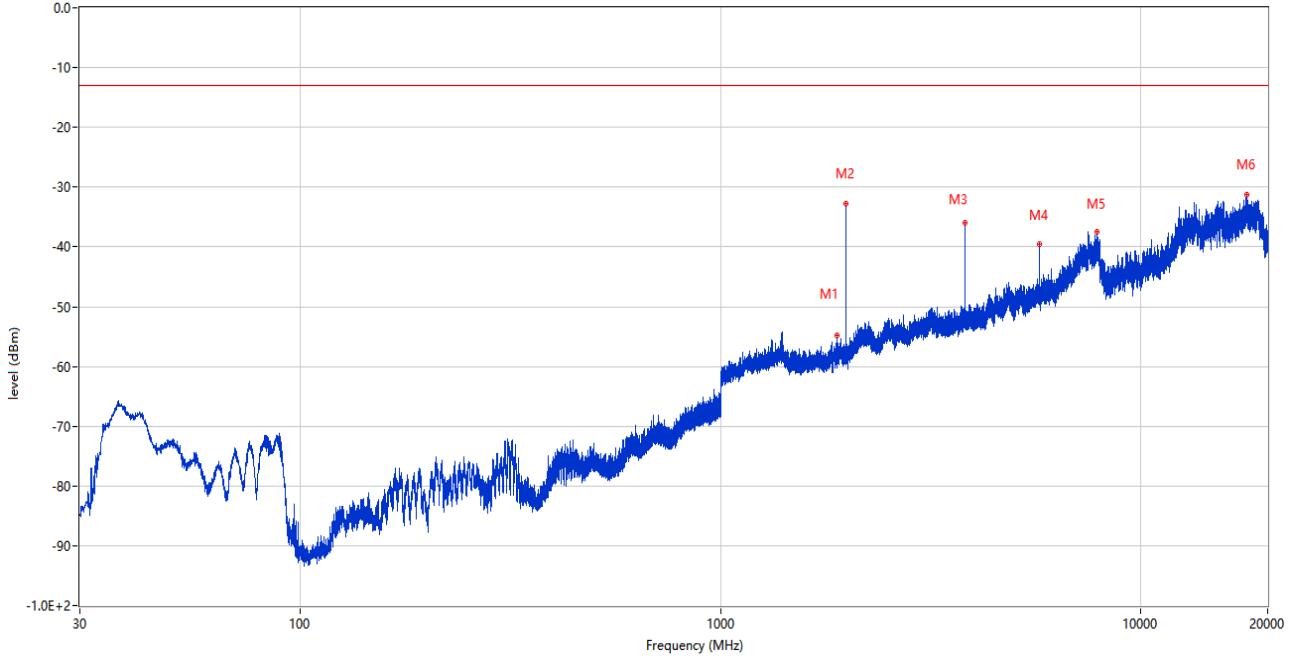
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1906.000	-55.03	-2.67	-13.0	42.03	145.00	Horizontal	Vertical	N/A
1990.000	-27.86	-4.40	-13.0	14.86	281.00	Horizontal	Vertical	N/A
3820.000	-28.71	5.19	-13.0	15.71	230.00	Horizontal	Vertical	Pass
5729.500	-40.48	7.62	-13.0	27.48	172.00	Horizontal	Vertical	Pass
7639.500	-32.52	14.80	-13.0	19.52	172.00	Horizontal	Vertical	Pass
13369.150	-29.11	22.27	-13.0	16.11	223.00	Horizontal	Vertical	Pass

Band:GSM1900,Channel:High range

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

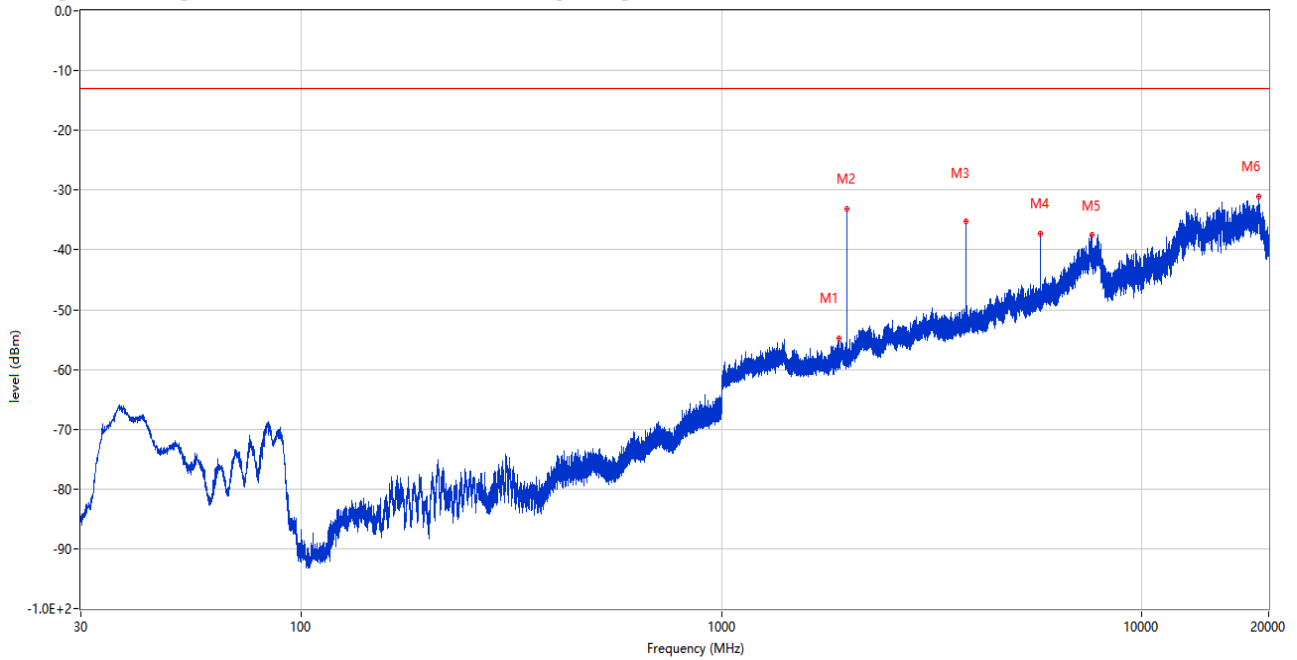


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1893.600	-54.88	-2.76	-13.0	41.88	262.00	Vertical	Vertical	Pass
1990.100	-32.68	-4.40	-13.0	19.68	273.00	Vertical	Vertical	N/A
3820.000	-36.03	5.19	-13.0	23.03	230.00	Vertical	Vertical	Pass
5729.750	-39.60	7.62	-13.0	26.60	155.00	Vertical	Vertical	Pass
7867.500	-37.42	16.98	-13.0	24.42	305.00	Vertical	Vertical	Pass
17796.725	-31.20	26.43	-13.0	18.20	314.00	Vertical	Vertical	Pass



Band:GSM1900,Channel:High range

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



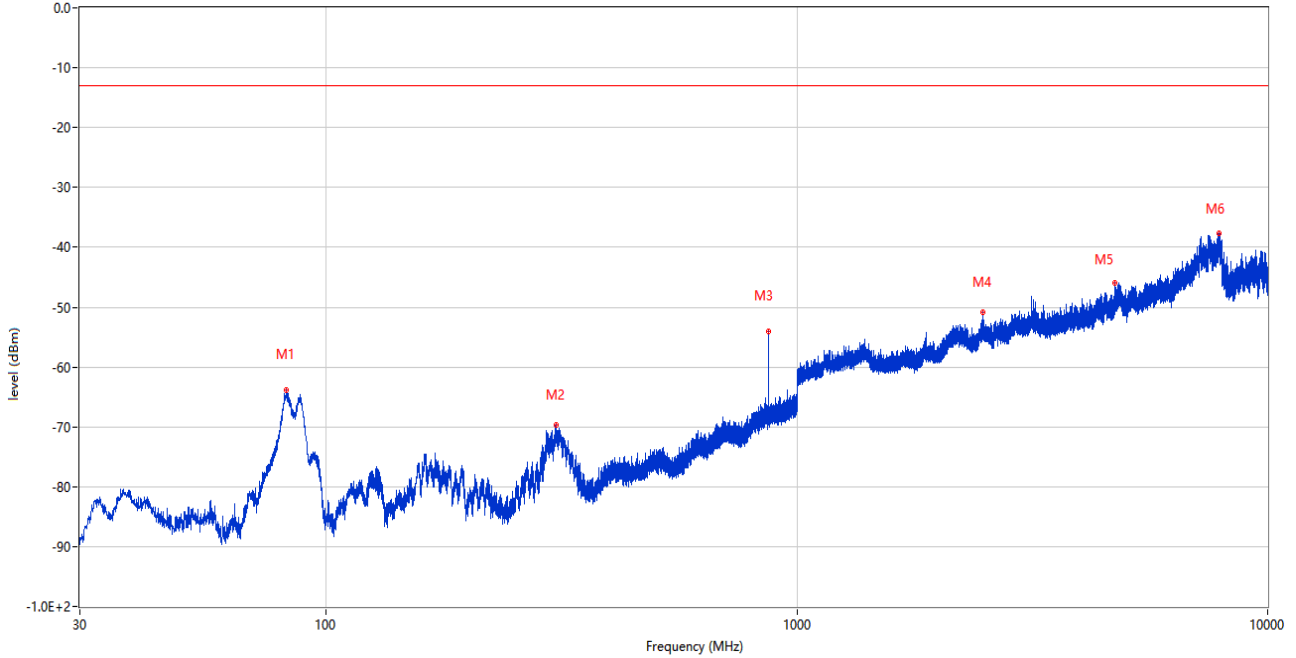
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1907.700	-54.85	-2.68	-13.0	41.85	252.00	Vertical	Horizontal	N/A
1990.100	-33.13	-4.40	-13.0	20.13	278.00	Vertical	Horizontal	N/A
3820.000	-35.20	5.19	-13.0	22.20	94.00	Vertical	Horizontal	Pass
5729.750	-37.21	7.62	-13.0	24.21	153.00	Vertical	Horizontal	Pass
7594.750	-37.50	16.43	-13.0	24.50	279.00	Vertical	Horizontal	Pass
18985.001	-31.00	23.97	-13.0	18.00	269.00	Vertical	Horizontal	Pass

## 2. EGPRS

### 2.1 EGPRS 850

Band:EGPRS850,Channel:Low range

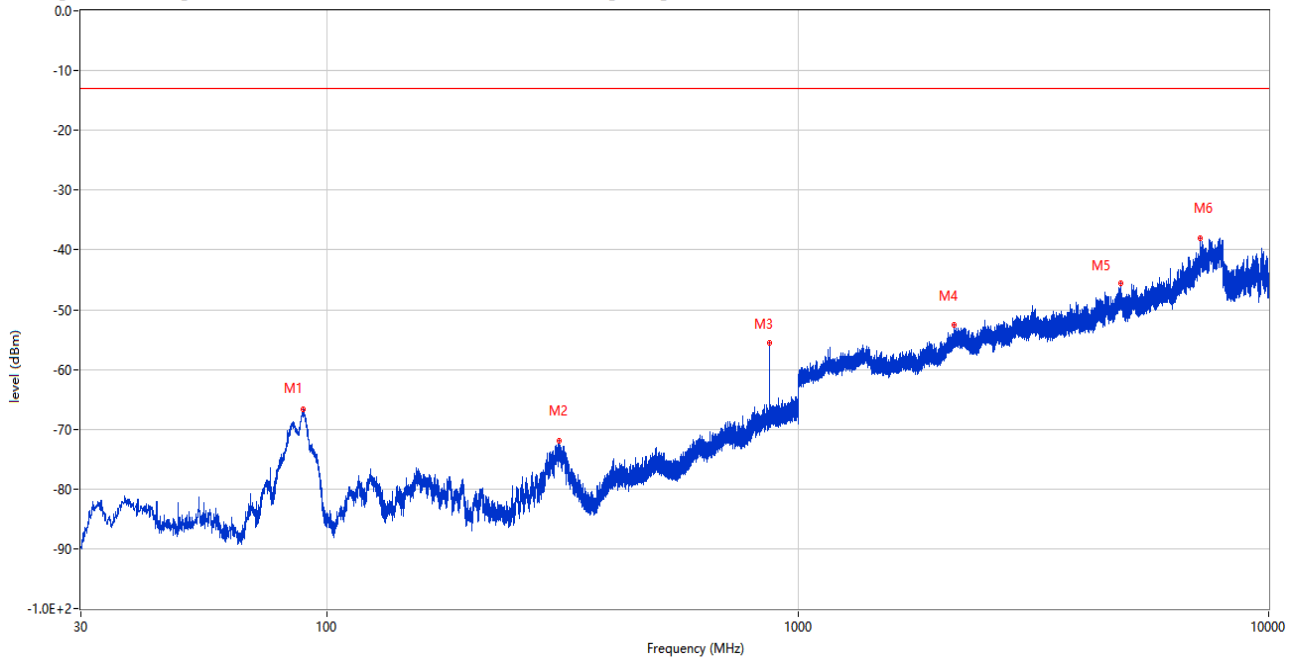
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
82.186	-63.86	-19.74	-13.0	50.86	356.00	Horizontal	Horizontal	Pass
307.469	-69.63	-12.57	-13.0	56.63	98.00	Horizontal	Horizontal	Pass
869.244	-54.09	2.10	-13.0	41.09	180.00	Horizontal	Horizontal	N/A
2478.700	-50.83	0.46	-13.0	37.83	3.00	Horizontal	Horizontal	Pass
4733.000	-45.98	7.50	-13.0	32.98	149.00	Horizontal	Horizontal	Pass
7874.750	-37.73	17.10	-13.0	24.73	273.00	Horizontal	Horizontal	Pass

Band:EGPRS850,Channel:Low range

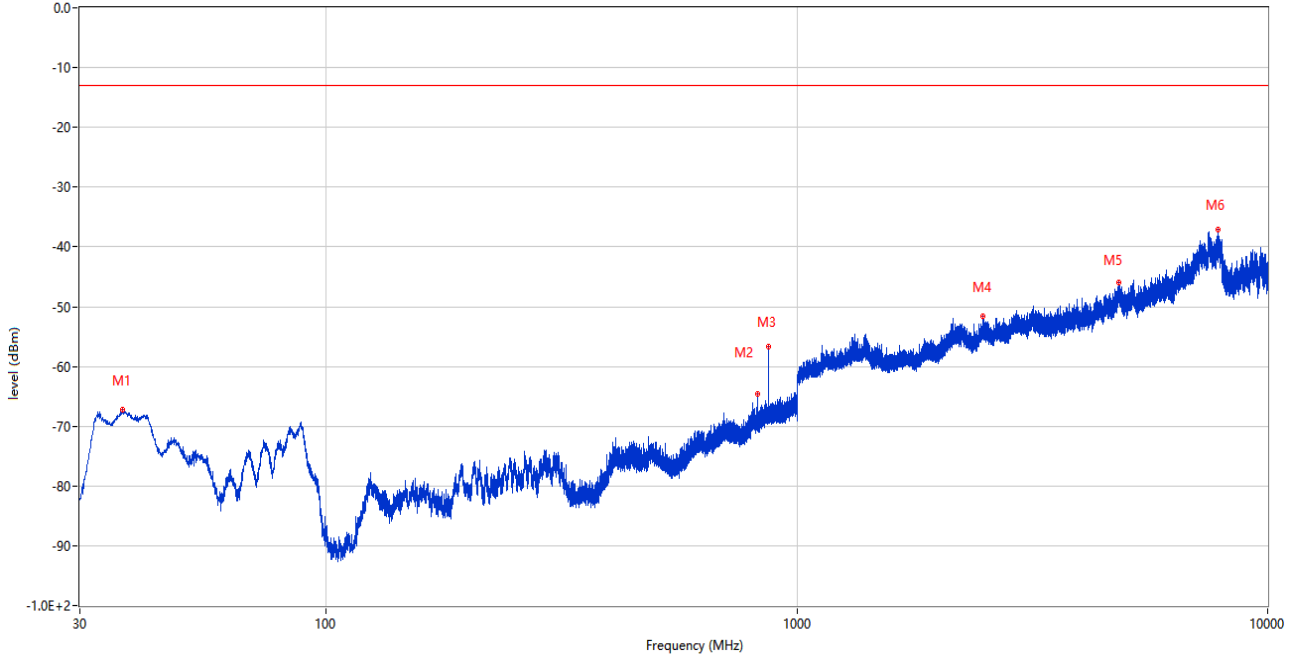
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.073	-66.65	-19.59	-13.0	53.65	360.00	Horizontal	Vertical	Pass
311.058	-71.95	-12.72	-13.0	58.95	14.00	Horizontal	Vertical	Pass
869.196	-55.52	2.10	-13.0	42.52	177.00	Horizontal	Vertical	N/A
2150.700	-52.63	-0.48	-13.0	39.63	84.00	Horizontal	Vertical	Pass
4857.000	-45.50	7.86	-13.0	32.50	185.00	Horizontal	Vertical	Pass
7169.500	-38.02	14.91	-13.0	25.02	241.00	Horizontal	Vertical	Pass

Band:EGPRS850,Channel:Low range

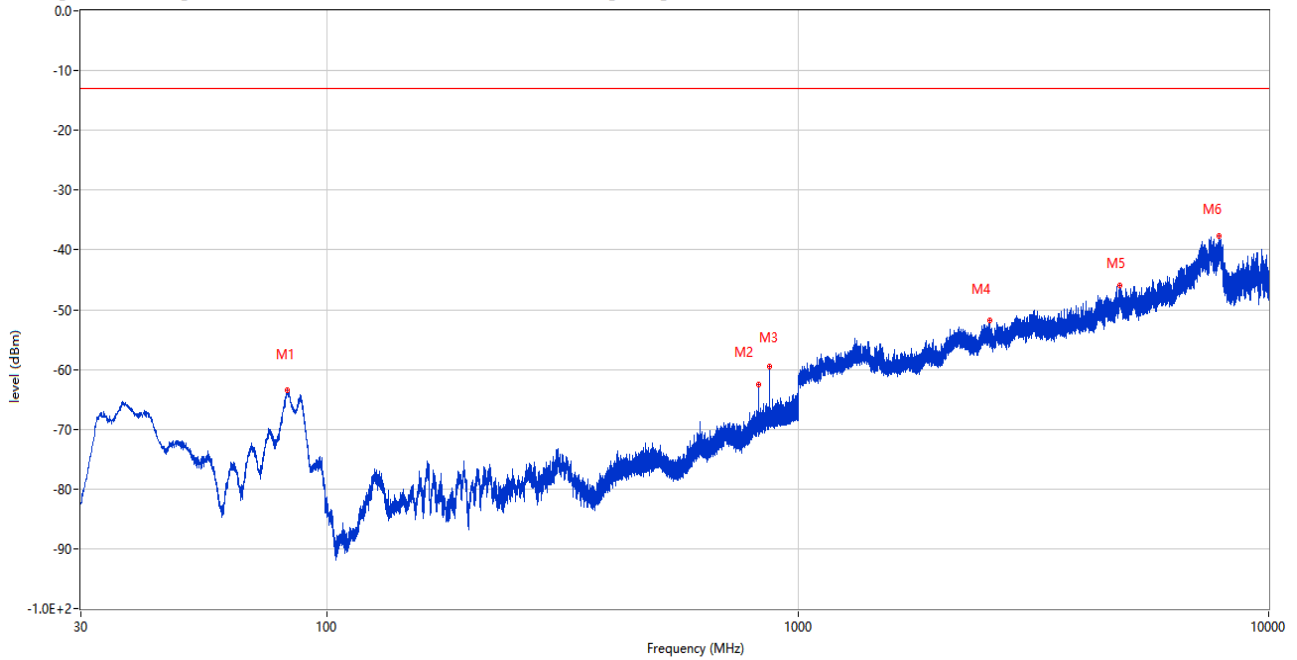
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.984	-67.16	-19.11	-13.0	54.16	54.00	Vertical	Vertical	Pass
824.139	-64.59	1.95	-13.0	51.59	1.00	Vertical	Vertical	N/A
869.147	-56.73	2.10	-13.0	43.73	356.00	Vertical	Vertical	N/A
2483.700	-51.69	0.35	-13.0	38.69	318.00	Vertical	Vertical	Pass
4834.000	-45.91	7.63	-13.0	32.91	255.00	Vertical	Vertical	Pass
7860.500	-37.01	16.67	-13.0	24.01	247.00	Vertical	Vertical	Pass

Band:EGPRS850,Channel:Low range

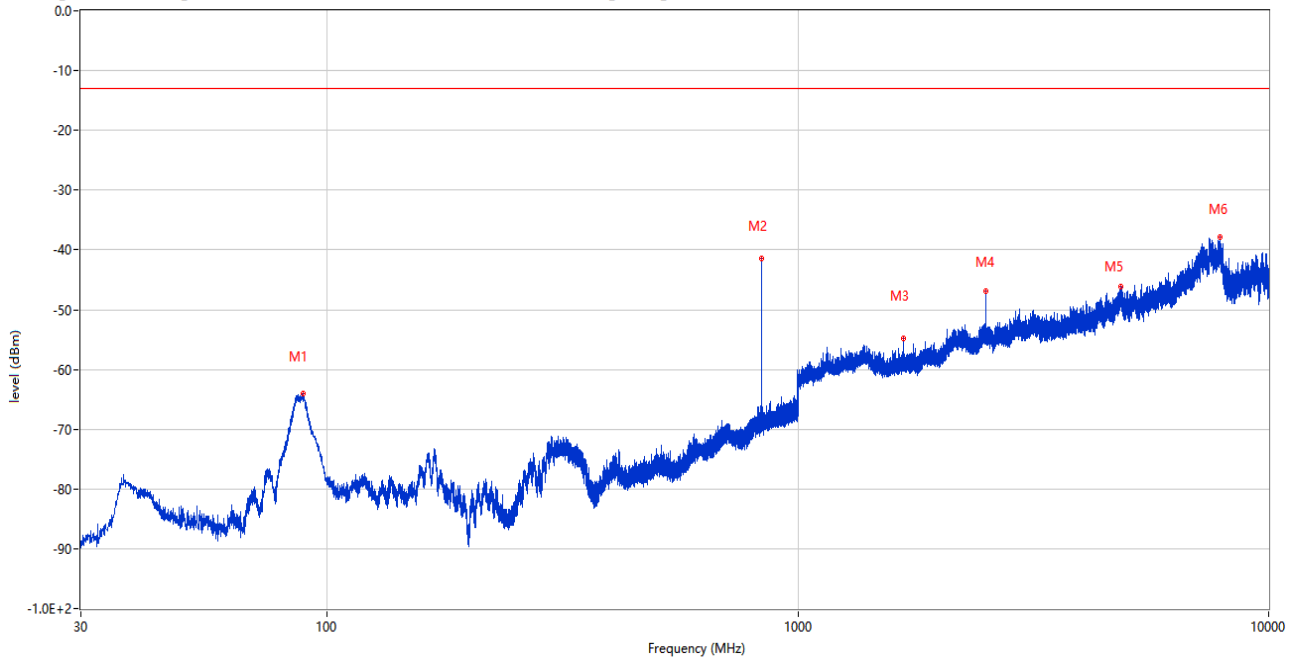
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
82.331	-63.49	-19.77	-13.0	50.49	273.00	Vertical	Horizontal	Pass
824.236	-62.45	1.96	-13.0	49.45	243.00	Vertical	Horizontal	N/A
869.147	-59.58	2.10	-13.0	46.58	1.00	Vertical	Horizontal	N/A
2557.100	-51.80	0.52	-13.0	38.80	311.00	Vertical	Horizontal	Pass
4836.750	-46.03	7.60	-13.0	33.03	259.00	Vertical	Horizontal	Pass
7863.750	-37.68	16.82	-13.0	24.68	231.00	Vertical	Horizontal	Pass

Band:EGPRS850,Channel:Mid range

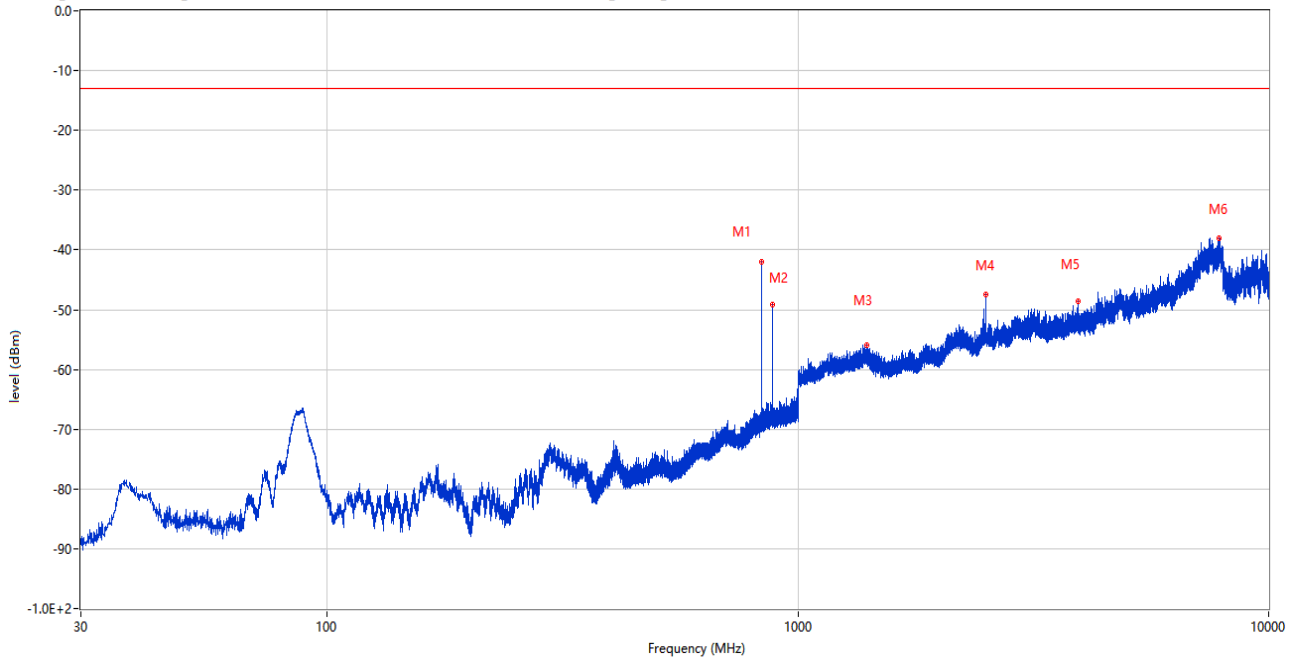
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.879	-64.12	-19.54	-13.0	51.12	0.00	Horizontal	Horizontal	Pass
836.604	-41.36	2.21	-13.0	28.36	336.00	Horizontal	Horizontal	N/A
1673.000	-54.82	-5.07	-13.0	41.82	155.00	Horizontal	Horizontal	Pass
2510.000	-46.96	0.41	-13.0	33.96	345.00	Horizontal	Horizontal	Pass
4859.000	-46.19	7.82	-13.0	33.19	240.00	Horizontal	Horizontal	Pass
7869.750	-37.92	17.03	-13.0	24.92	360.00	Horizontal	Horizontal	Pass

Band:EGPRS850,Channel:Mid range

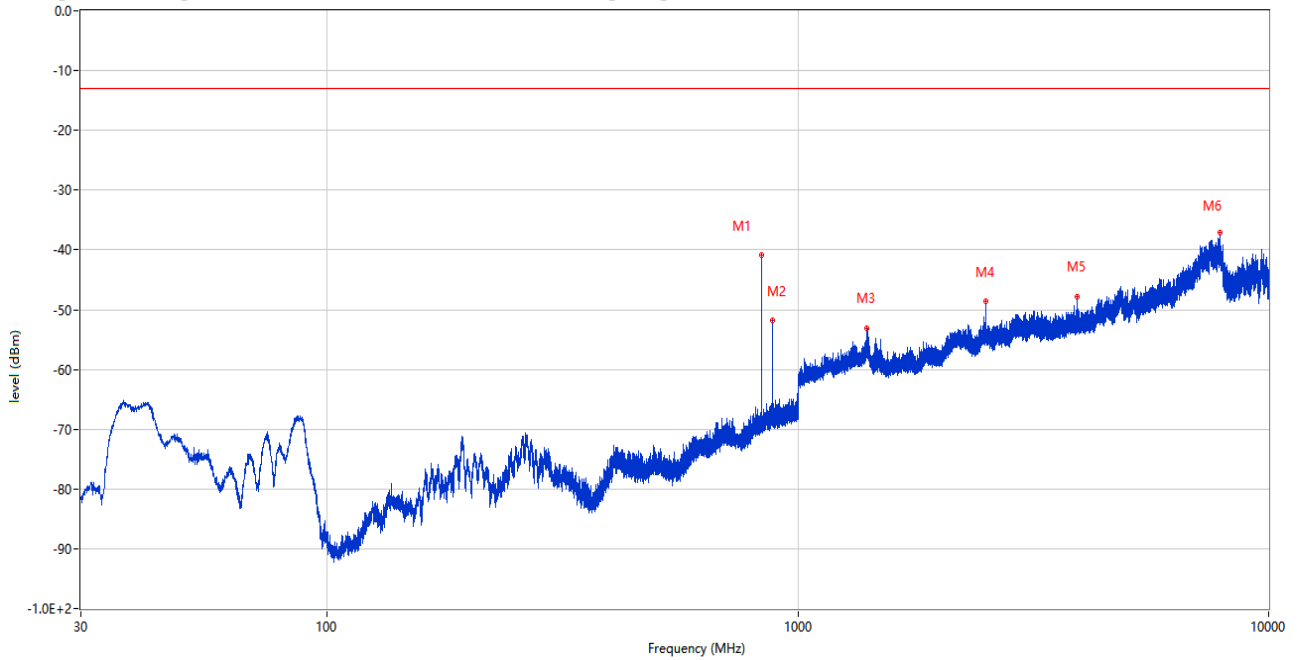
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.555	-41.94	2.21	-13.0	28.94	357.00	Horizontal	Vertical	N/A
881.660	-49.21	2.45	-13.0	36.21	178.00	Horizontal	Vertical	N/A
1401.800	-56.00	-4.10	-13.0	43.00	309.00	Horizontal	Vertical	Pass
2509.800	-47.53	0.41	-13.0	34.53	29.00	Horizontal	Vertical	Pass
3929.000	-48.66	5.37	-13.0	35.66	143.00	Horizontal	Vertical	Pass
7850.500	-38.09	16.05	-13.0	25.09	45.00	Horizontal	Vertical	Pass

Band:EGPRS850,Channel:Mid range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

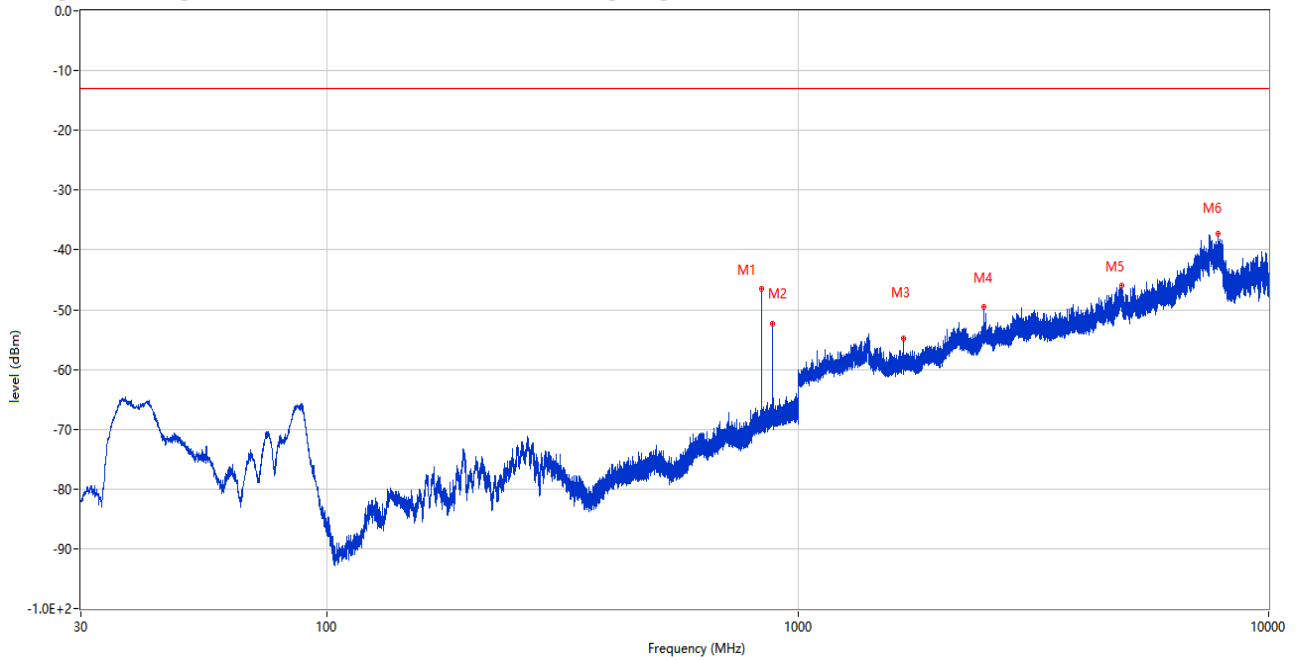


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.604	-40.95	2.21	-13.0	27.95	360.00	Vertical	Vertical	N/A
881.612	-51.73	2.45	-13.0	38.73	167.00	Vertical	Vertical	N/A
1398.000	-53.02	-4.04	-13.0	40.02	109.00	Vertical	Vertical	Pass
2509.900	-48.60	0.41	-13.0	35.60	79.00	Vertical	Vertical	Pass
3918.500	-47.82	5.20	-13.0	34.82	293.00	Vertical	Vertical	Pass
7876.000	-37.16	17.12	-13.0	24.16	5.00	Vertical	Vertical	Pass



Band:EGPRS850,Channel:Mid range

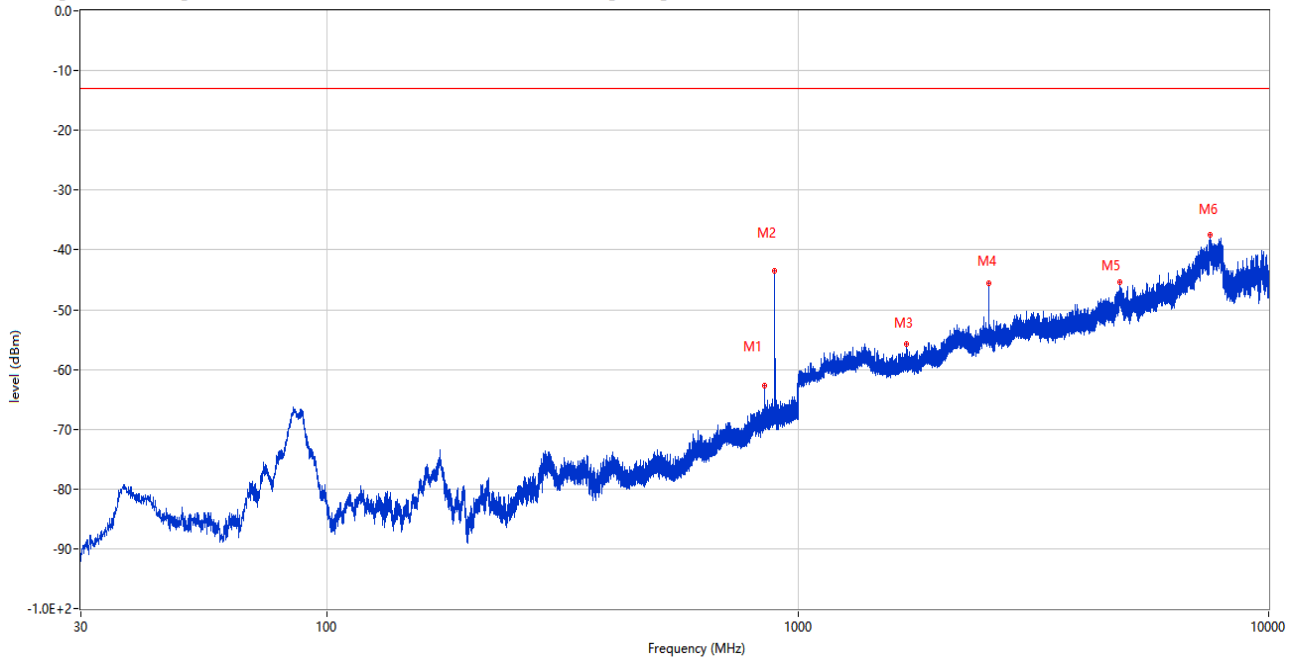
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-46.45	2.21	-13.0	33.45	10.00	Vertical	Horizontal	N/A
881.660	-52.38	2.45	-13.0	39.38	166.00	Vertical	Horizontal	N/A
1673.500	-54.83	-5.08	-13.0	41.83	261.00	Vertical	Horizontal	Pass
2480.500	-49.62	0.43	-13.0	36.62	139.00	Vertical	Horizontal	Pass
4865.500	-45.96	7.79	-13.0	32.96	64.00	Vertical	Horizontal	Pass
7806.000	-37.31	16.35	-13.0	24.31	223.00	Vertical	Horizontal	Pass

Band:EGPRS850,Channel:High range

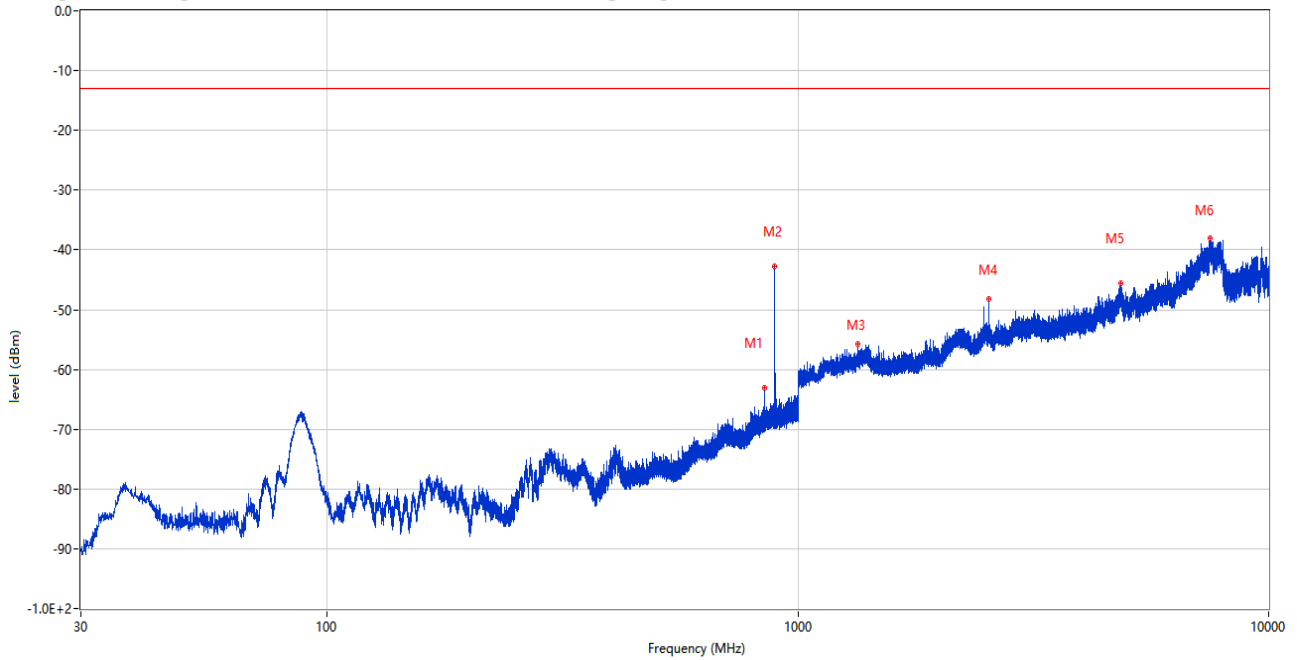
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.729	-62.75	2.40	-13.0	49.75	0.00	Horizontal	Horizontal	N/A
893.833	-43.41	2.31	-13.0	30.41	193.00	Horizontal	Horizontal	N/A
1697.600	-55.77	-5.37	-13.0	42.77	189.00	Horizontal	Horizontal	Pass
2546.800	-45.48	0.49	-13.0	32.48	322.00	Horizontal	Horizontal	Pass
4831.750	-45.39	7.59	-13.0	32.39	301.00	Horizontal	Horizontal	Pass
7499.000	-37.40	16.50	-13.0	24.40	112.00	Horizontal	Horizontal	Pass

Band:EGPRS850,Channel:High range

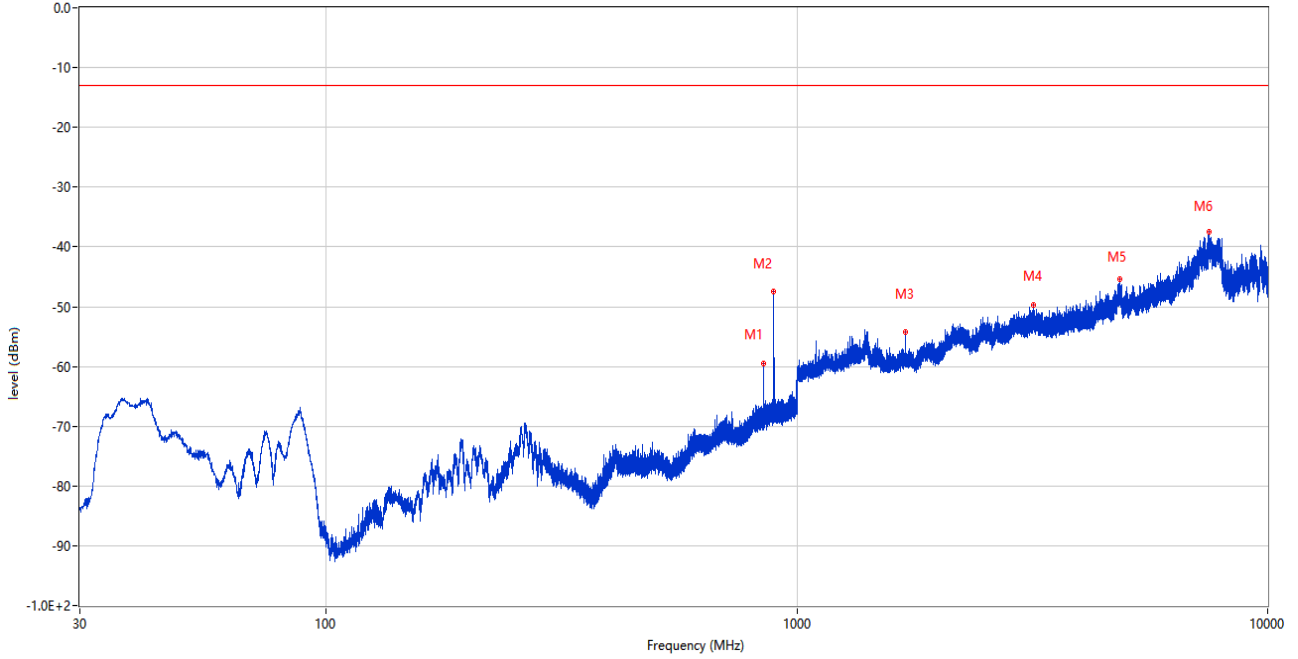
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.825	-63.12	2.40	-13.0	50.12	360.00	Horizontal	Vertical	N/A
893.737	-42.72	2.31	-13.0	29.72	182.00	Horizontal	Vertical	N/A
1343.900	-55.67	-4.50	-13.0	42.67	327.00	Horizontal	Vertical	Pass
2546.400	-48.23	0.46	-13.0	35.23	4.00	Horizontal	Vertical	Pass
4849.250	-45.64	7.62	-13.0	32.64	36.00	Horizontal	Vertical	Pass
7499.500	-38.01	16.48	-13.0	25.01	144.00	Horizontal	Vertical	Pass

Band:EGPRS850,Channel:High range

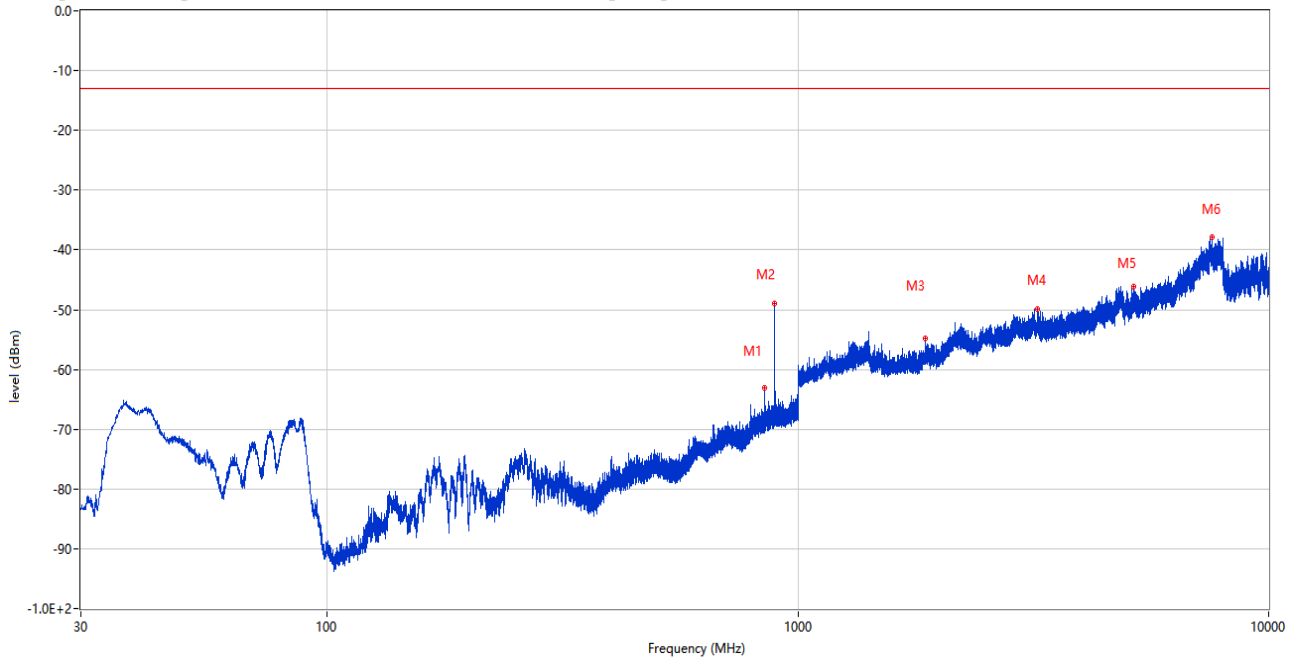
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.777	-59.50	2.40	-13.0	46.50	126.00	Vertical	Vertical	N/A
893.882	-47.40	2.32	-13.0	34.40	165.00	Vertical	Vertical	N/A
1697.800	-54.18	-5.37	-13.0	41.18	172.00	Vertical	Vertical	Pass
3177.750	-49.78	5.11	-13.0	36.78	242.00	Vertical	Vertical	Pass
4863.750	-45.43	7.84	-13.0	32.43	74.00	Vertical	Vertical	Pass
7513.000	-37.47	15.80	-13.0	24.47	251.00	Vertical	Vertical	Pass

Band:EGPRS850,Channel:High range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

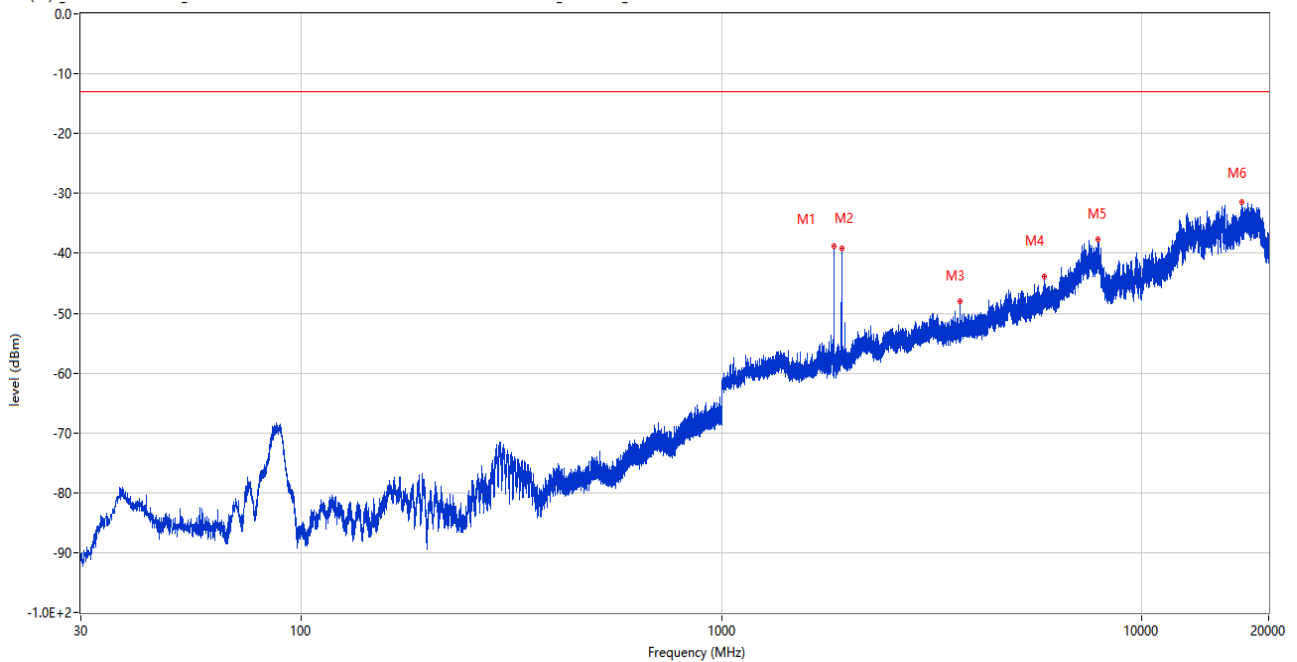


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
848.777	-63.09	2.40	-13.0	50.09	352.00	Vertical	Horizontal	N/A
893.785	-49.01	2.31	-13.0	36.01	160.00	Vertical	Horizontal	N/A
1866.500	-54.75	-3.61	-13.0	41.75	0.00	Vertical	Horizontal	Pass
3228.500	-50.00	4.86	-13.0	37.00	336.00	Vertical	Horizontal	Pass
5176.500	-46.10	8.18	-13.0	33.10	317.00	Vertical	Horizontal	Pass
7589.250	-37.77	16.07	-13.0	24.77	262.00	Vertical	Horizontal	Pass

## 2.2 EGPRS 1900

Band:EGPRS1900,Channel:Low range

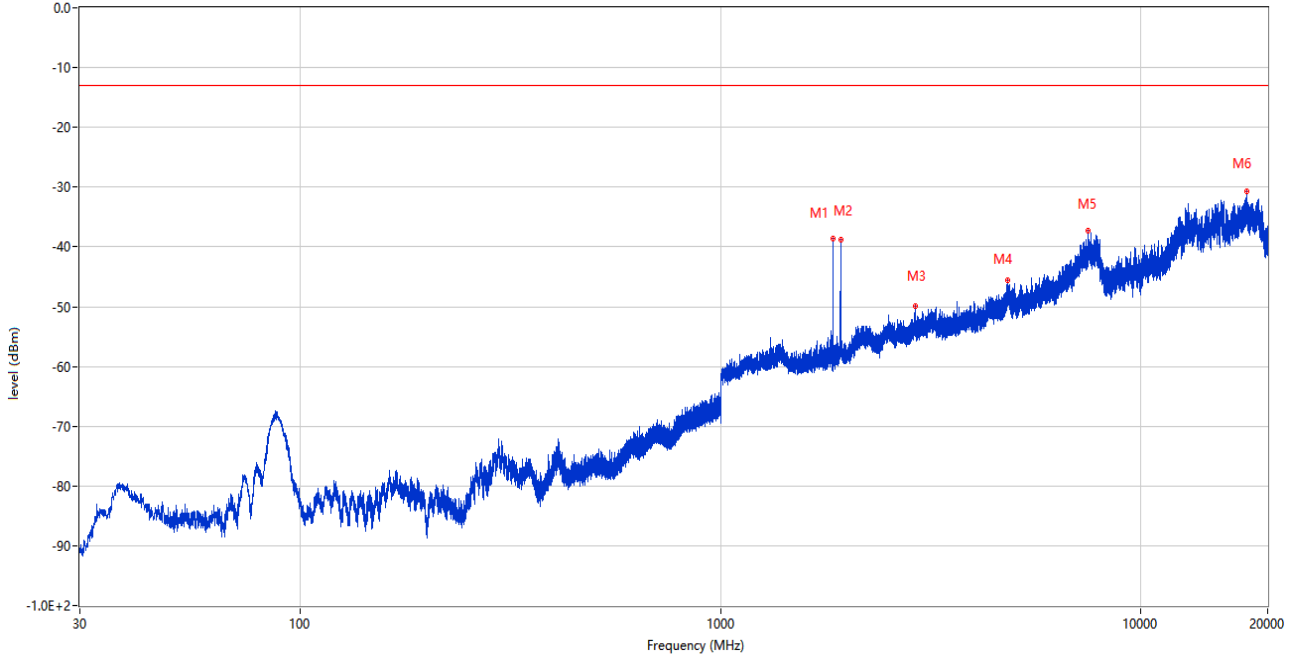
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.400	-38.86	-3.52	-13.0	25.86	201.00	Horizontal	Horizontal	N/A
1930.300	-39.24	-3.10	-13.0	26.24	268.00	Horizontal	Horizontal	N/A
3700.500	-48.10	4.36	-13.0	35.10	21.00	Horizontal	Horizontal	Pass
5857.000	-43.90	8.76	-13.0	30.90	255.00	Horizontal	Horizontal	Pass
7875.000	-37.74	17.10	-13.0	24.74	156.00	Horizontal	Horizontal	Pass
17302.999	-31.37	24.79	-13.0	18.37	0.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:Low range

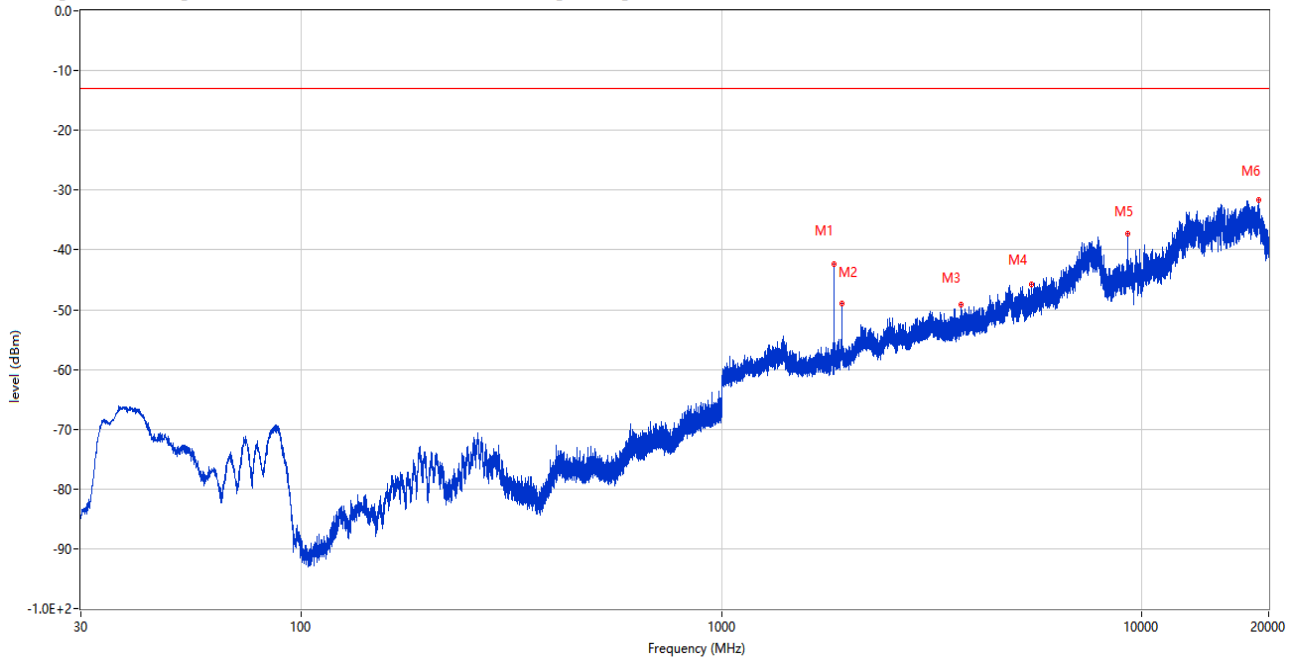
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.500	-38.69	-3.52	-13.0	25.69	209.00	Horizontal	Vertical	N/A
1930.300	-38.88	-3.10	-13.0	25.88	274.00	Horizontal	Vertical	N/A
2911.400	-49.90	1.98	-13.0	36.90	327.00	Horizontal	Vertical	Pass
4822.250	-45.62	7.69	-13.0	32.62	45.00	Horizontal	Vertical	Pass
7501.250	-37.32	16.39	-13.0	24.32	299.00	Horizontal	Vertical	Pass
17803.975	-30.70	26.42	-13.0	17.70	150.00	Horizontal	Vertical	Pass

Band:EGPRS1900,Channel:Low range

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

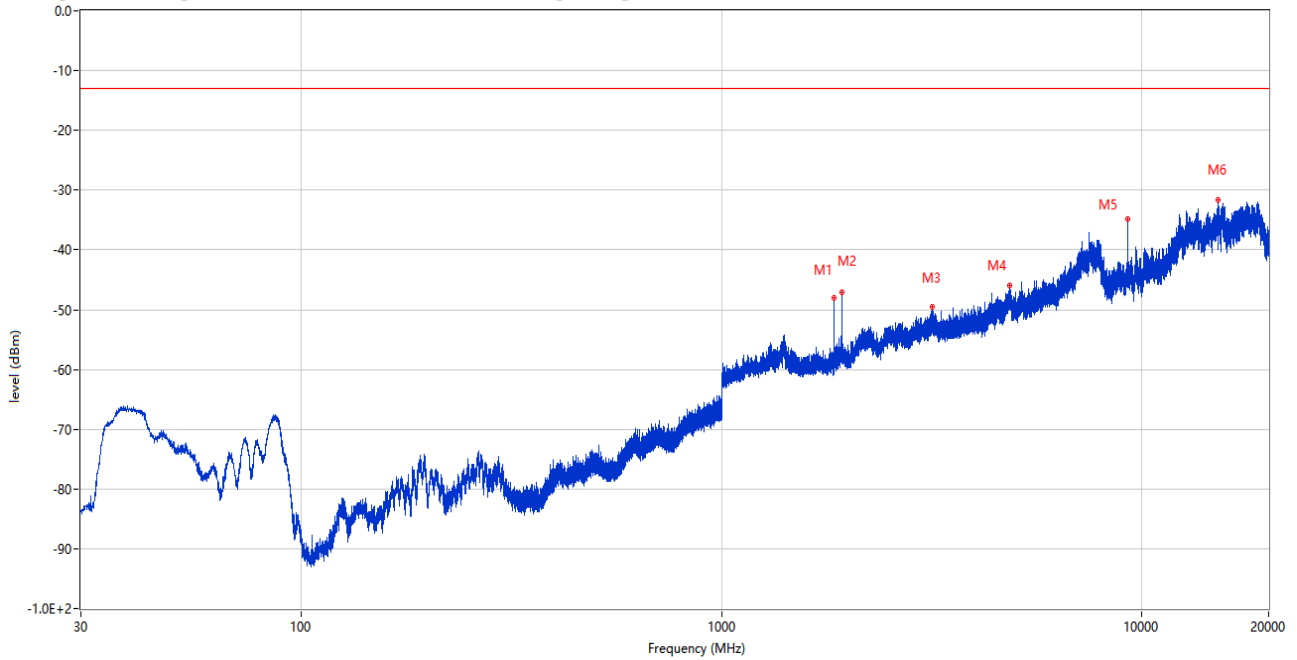


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.400	-42.32	-3.52	-13.0	29.32	330.00	Vertical	Vertical	N/A
1930.400	-48.95	-3.14	-13.0	35.95	280.00	Vertical	Vertical	N/A
3712.250	-49.22	4.60	-13.0	36.22	25.00	Vertical	Vertical	Pass
5447.250	-45.83	7.48	-13.0	32.83	45.00	Vertical	Vertical	Pass
9250.912	-37.28	15.88	-13.0	24.28	225.00	Vertical	Vertical	Pass
18976.301	-31.71	23.98	-13.0	18.71	285.00	Vertical	Vertical	Pass



Band:EGPRS1900,Channel:Low range

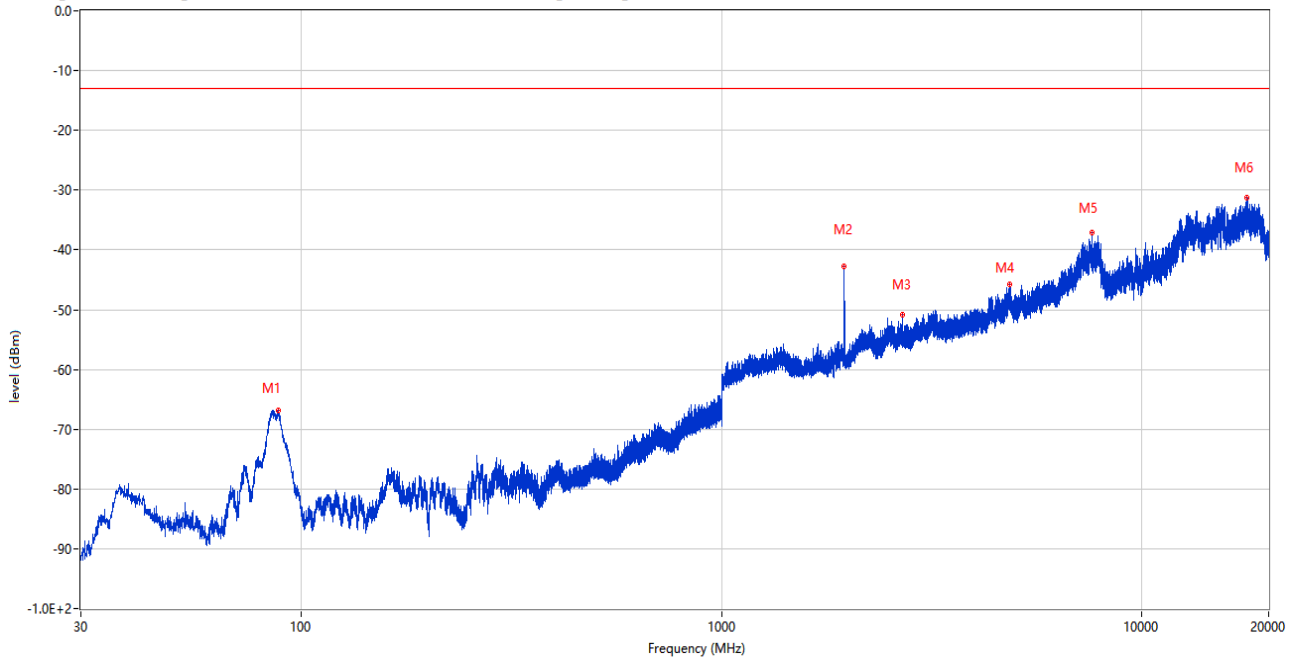
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1850.400	-48.10	-3.52	-13.0	35.10	287.00	Vertical	Horizontal	N/A
1930.300	-47.08	-3.10	-13.0	34.08	281.00	Vertical	Horizontal	N/A
3176.250	-49.51	5.26	-13.0	36.51	82.00	Vertical	Horizontal	Pass
4842.750	-46.04	7.57	-13.0	33.04	6.00	Vertical	Horizontal	Pass
9250.912	-34.81	15.88	-13.0	21.81	303.00	Vertical	Horizontal	Pass
15201.225	-31.68	24.40	-13.0	18.68	329.00	Vertical	Horizontal	Pass

Band:EGPRS1900,Channel:Mid range

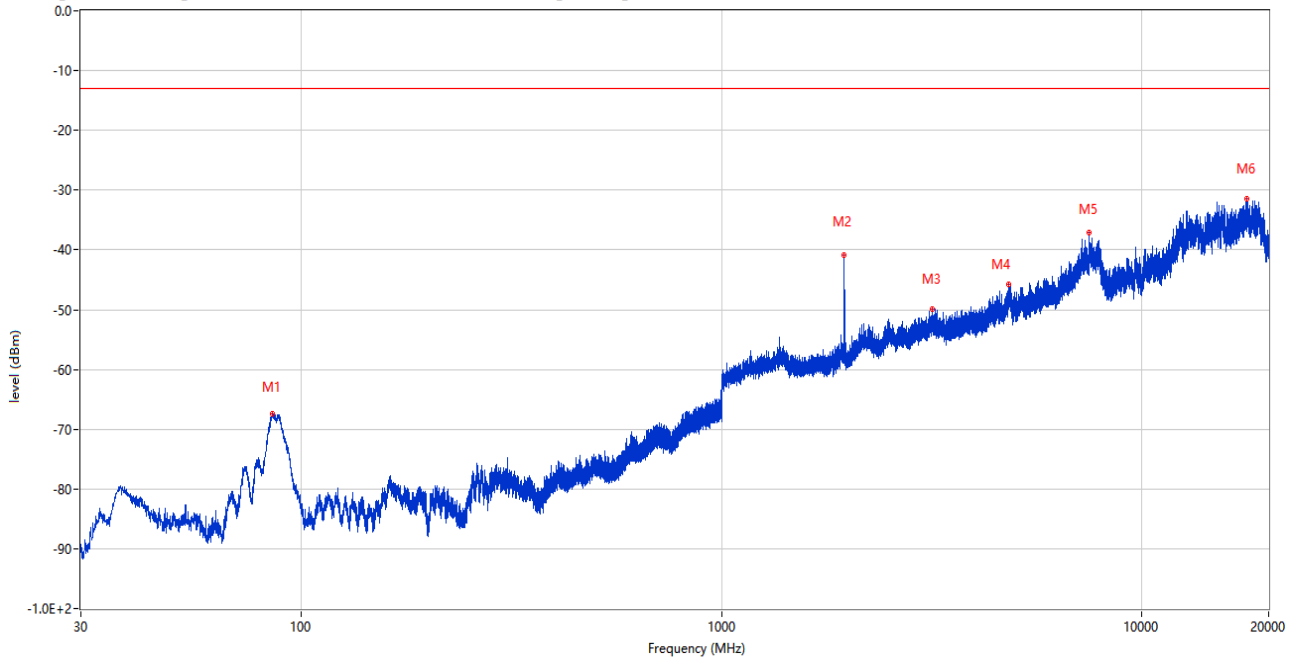
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.491	-66.78	-19.49	-13.0	53.78	0.00	Horizontal	Horizontal	Pass
1960.300	-42.80	-4.44	-13.0	29.80	280.00	Horizontal	Horizontal	N/A
2688.400	-50.85	1.02	-13.0	37.85	352.00	Horizontal	Horizontal	Pass
4836.500	-45.75	7.60	-13.0	32.75	314.00	Horizontal	Horizontal	Pass
7593.000	-37.07	16.33	-13.0	24.07	165.00	Horizontal	Horizontal	Pass
17794.550	-31.19	26.40	-13.0	18.19	62.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:Mid range

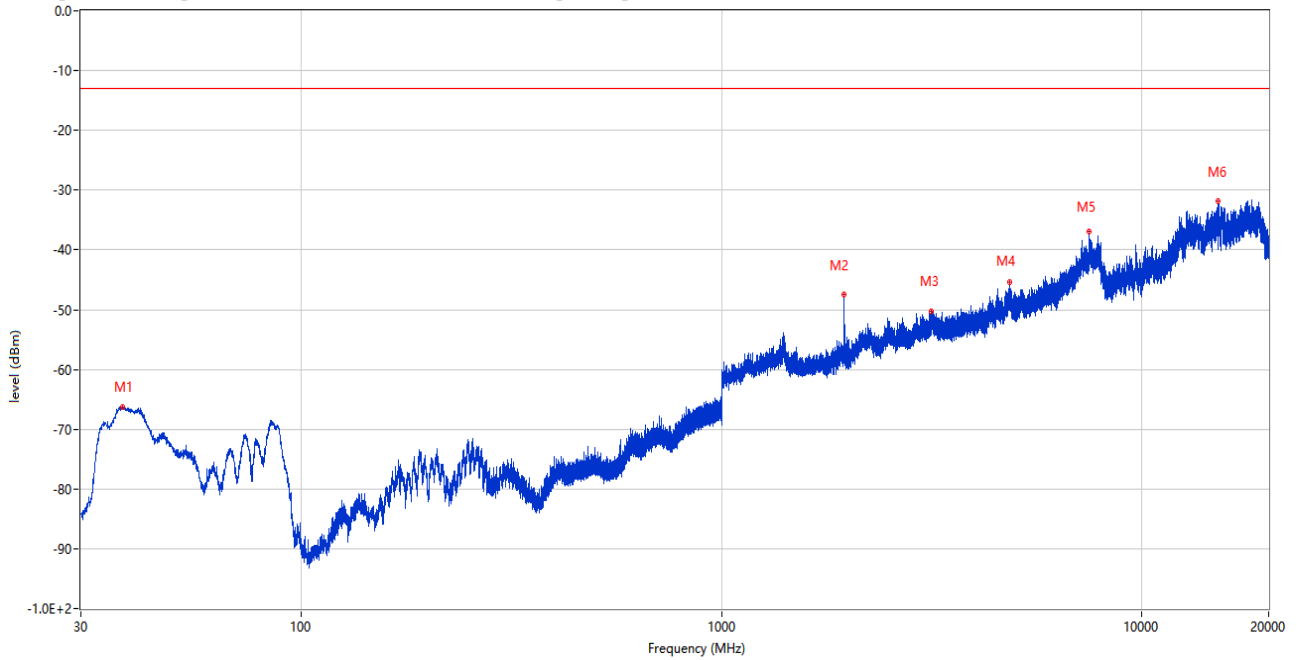
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
85.775	-67.49	-20.56	-13.0	54.49	360.00	Horizontal	Vertical	Pass
1960.200	-40.93	-4.45	-13.0	27.93	278.00	Horizontal	Vertical	N/A
3170.500	-49.88	5.50	-13.0	36.88	146.00	Horizontal	Vertical	Pass
4816.250	-45.82	7.80	-13.0	32.82	72.00	Horizontal	Vertical	Pass
7485.250	-37.04	16.67	-13.0	24.04	72.00	Horizontal	Vertical	Pass
17780.775	-31.49	26.22	-13.0	18.49	107.00	Horizontal	Vertical	Pass

Band:EGPRS1900,Channel:Mid range

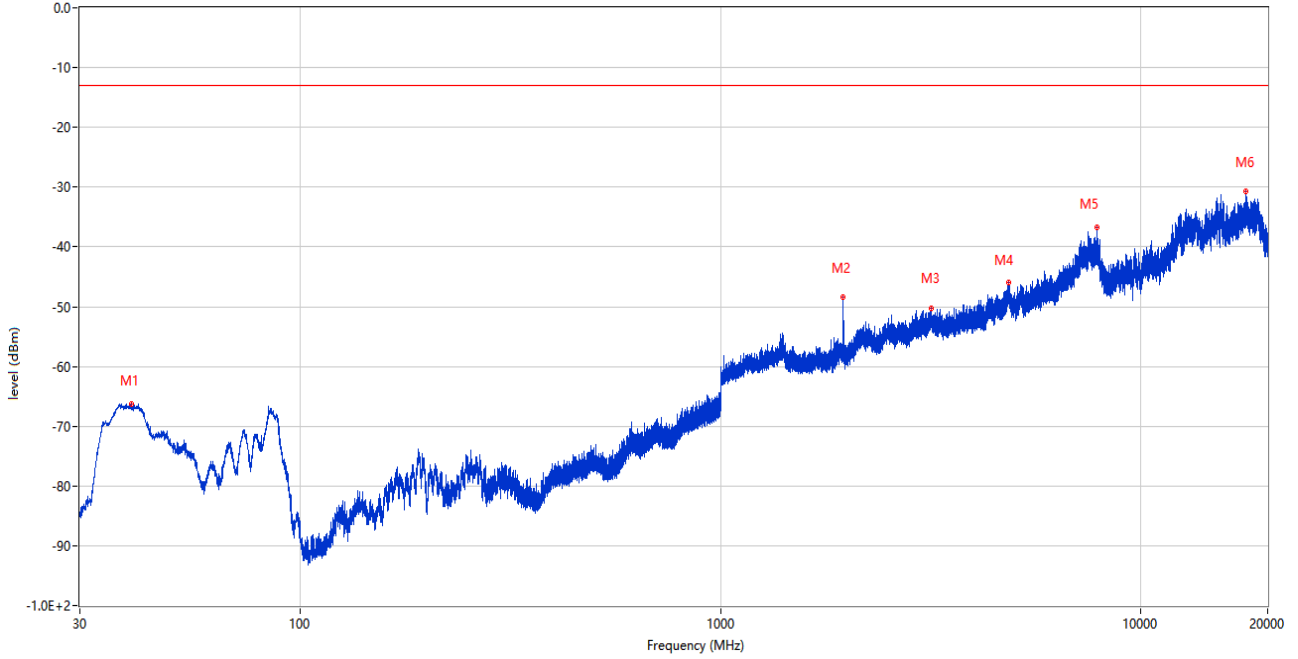
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.712	-66.21	-19.14	-13.0	53.21	125.00	Vertical	Vertical	Pass
1960.100	-47.41	-4.46	-13.0	34.41	274.00	Vertical	Vertical	N/A
3154.750	-50.33	4.74	-13.0	37.33	212.00	Vertical	Vertical	Pass
4852.750	-45.41	7.69	-13.0	32.41	184.00	Vertical	Vertical	Pass
7492.000	-36.86	16.77	-13.0	23.86	26.00	Vertical	Vertical	Pass
15200.137	-31.89	24.41	-13.0	18.89	193.00	Vertical	Vertical	Pass

Band:EGPRS1900,Channel:Mid range

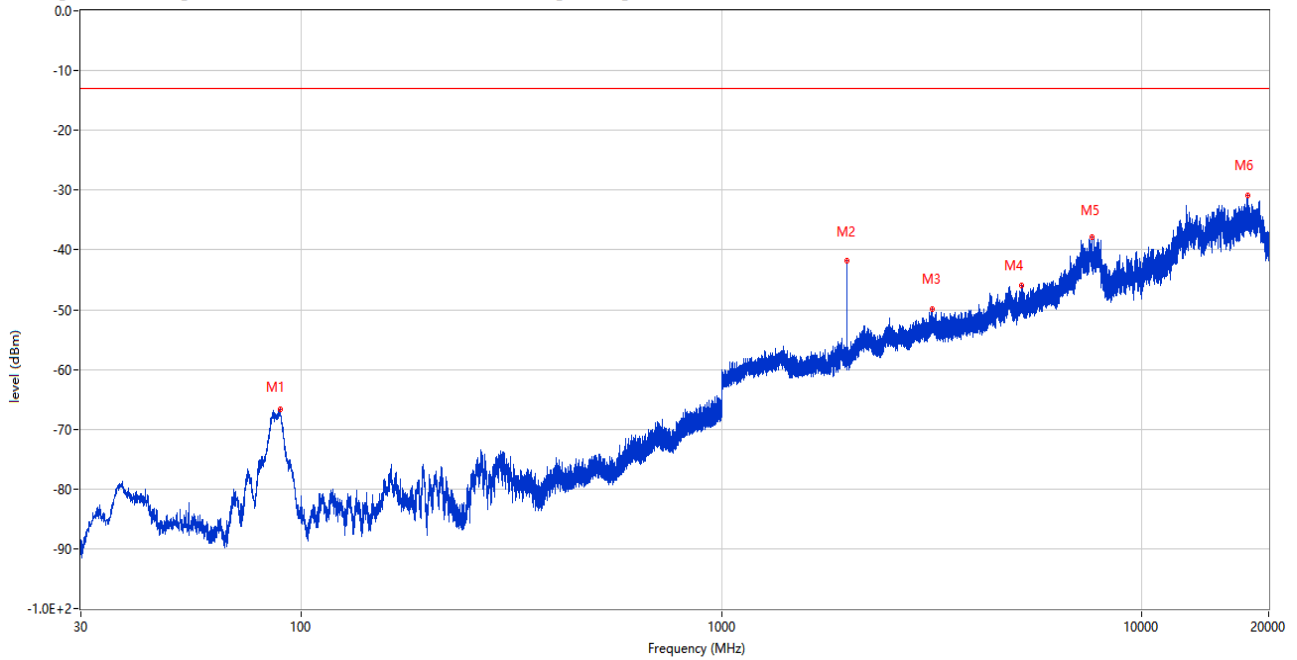
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
39.700	-66.27	-19.19	-13.0	53.27	85.00	Vertical	Horizontal	Pass
1960.200	-48.34	-4.45	-13.0	35.34	282.00	Vertical	Horizontal	N/A
3166.250	-50.22	5.46	-13.0	37.22	133.00	Vertical	Horizontal	Pass
4842.000	-45.99	7.61	-13.0	32.99	360.00	Vertical	Horizontal	Pass
7862.250	-36.66	16.79	-13.0	23.66	306.00	Vertical	Horizontal	Pass
17790.200	-30.73	26.34	-13.0	17.73	93.00	Vertical	Horizontal	Pass

Band:EGPRS1900,Channel:High range

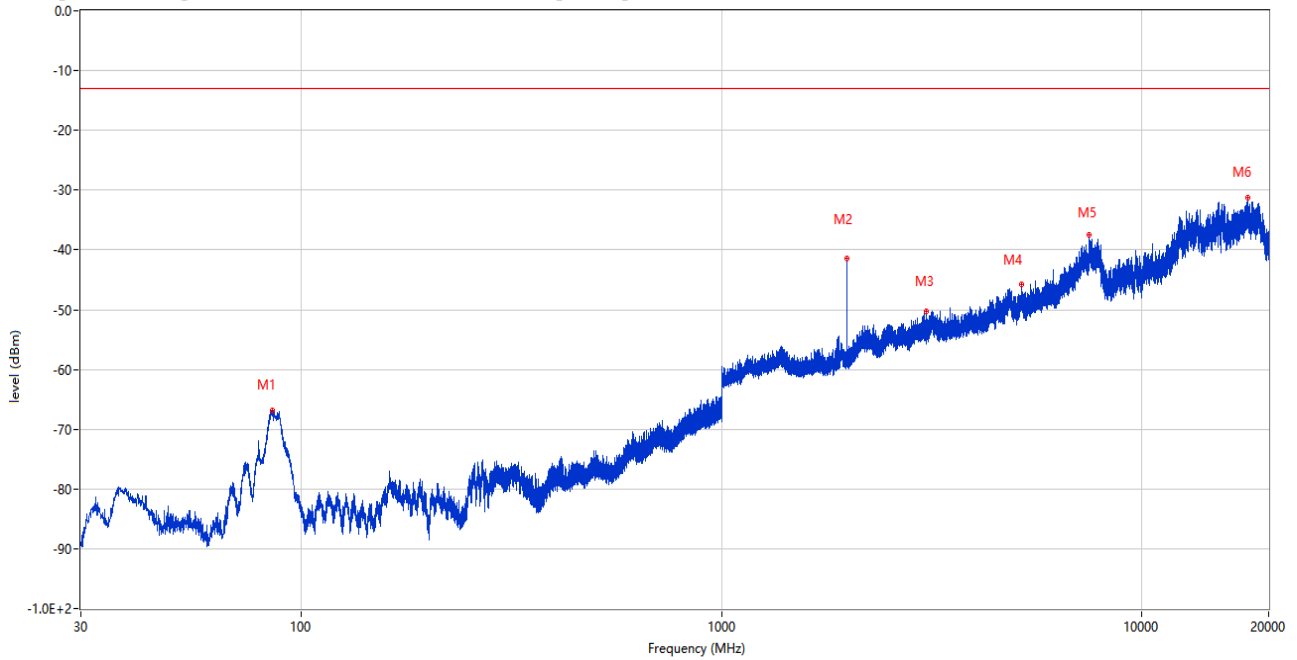
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.267	-66.70	-19.69	-13.0	53.70	356.00	Horizontal	Horizontal	Pass
1990.000	-41.85	-4.40	-13.0	28.85	274.00	Horizontal	Horizontal	N/A
3170.250	-49.88	5.51	-13.0	36.88	314.00	Horizontal	Horizontal	Pass
5165.500	-45.88	8.07	-13.0	32.88	246.00	Horizontal	Horizontal	Pass
7599.250	-37.93	16.57	-13.0	24.93	236.00	Horizontal	Horizontal	Pass
17805.427	-30.97	26.40	-13.0	17.97	35.00	Horizontal	Horizontal	Pass

Band:EGPRS1900,Channel:High range

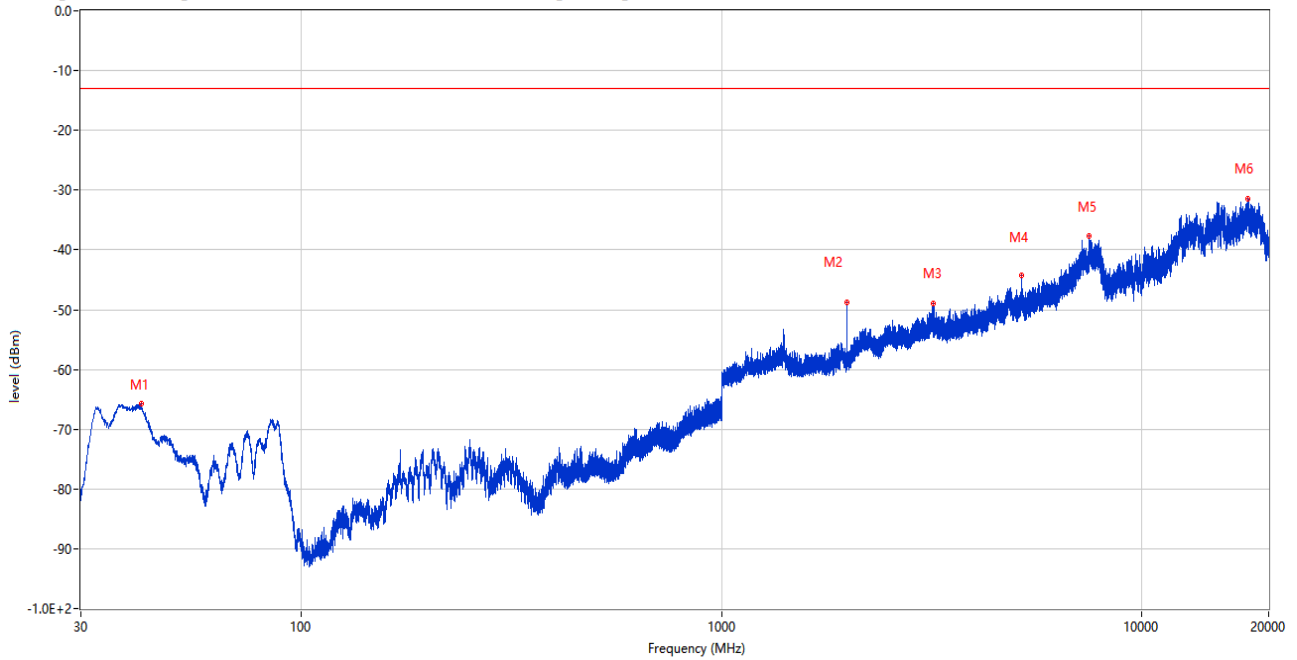
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
85.387	-66.79	-20.50	-13.0	53.79	360.00	Horizontal	Vertical	Pass
1990.100	-41.40	-4.40	-13.0	28.40	280.00	Horizontal	Vertical	N/A
3071.250	-50.33	3.55	-13.0	37.33	298.00	Horizontal	Vertical	Pass
5160.250	-45.83	8.03	-13.0	32.83	360.00	Horizontal	Vertical	Pass
7488.250	-37.47	16.80	-13.0	24.47	141.00	Horizontal	Vertical	Pass
17818.114	-31.33	26.25	-13.0	18.33	180.00	Horizontal	Vertical	Pass

Band:EGPRS1900,Channel:High range

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

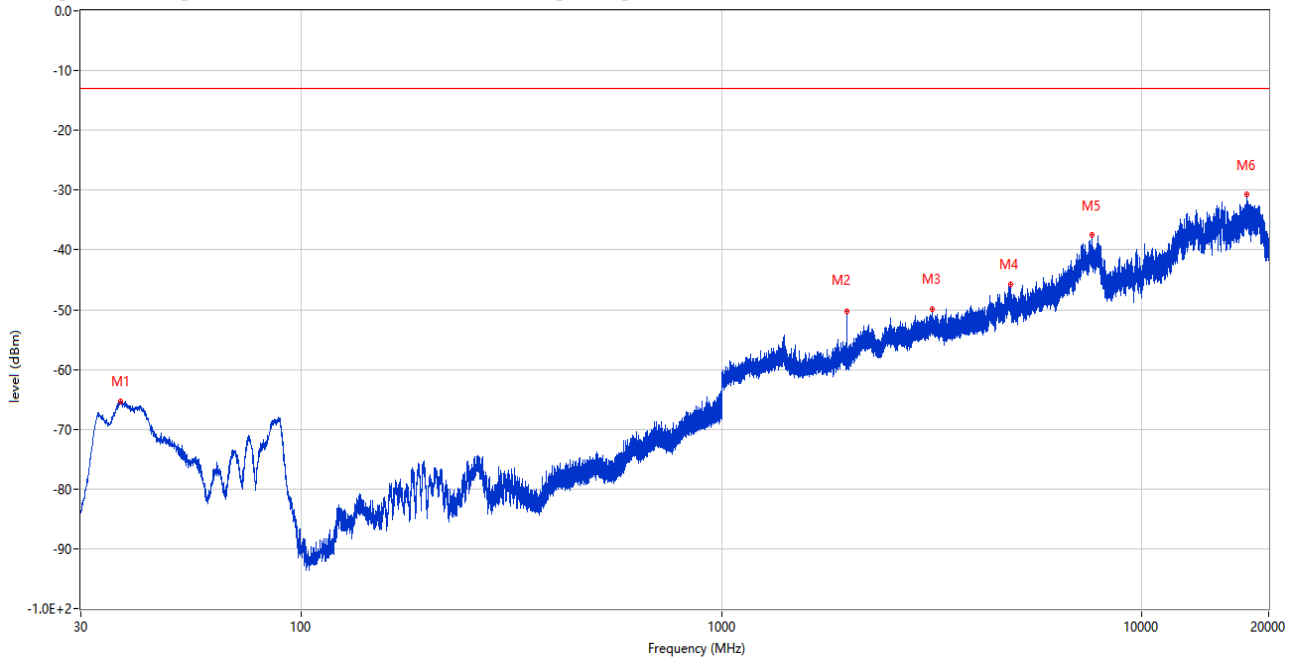


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
41.785	-65.77	-17.89	-13.0	52.77	58.00	Vertical	Vertical	Pass
1989.900	-48.82	-4.40	-13.0	35.82	285.00	Vertical	Vertical	N/A
3191.250	-48.89	3.62	-13.0	35.89	225.00	Vertical	Vertical	Pass
5178.750	-44.30	8.26	-13.0	31.30	271.00	Vertical	Vertical	Pass
7491.500	-37.71	16.79	-13.0	24.71	290.00	Vertical	Vertical	Pass
17880.463	-31.36	25.62	-13.0	18.36	46.00	Vertical	Vertical	Pass



Band:EGPRS1900,Channel:High range

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



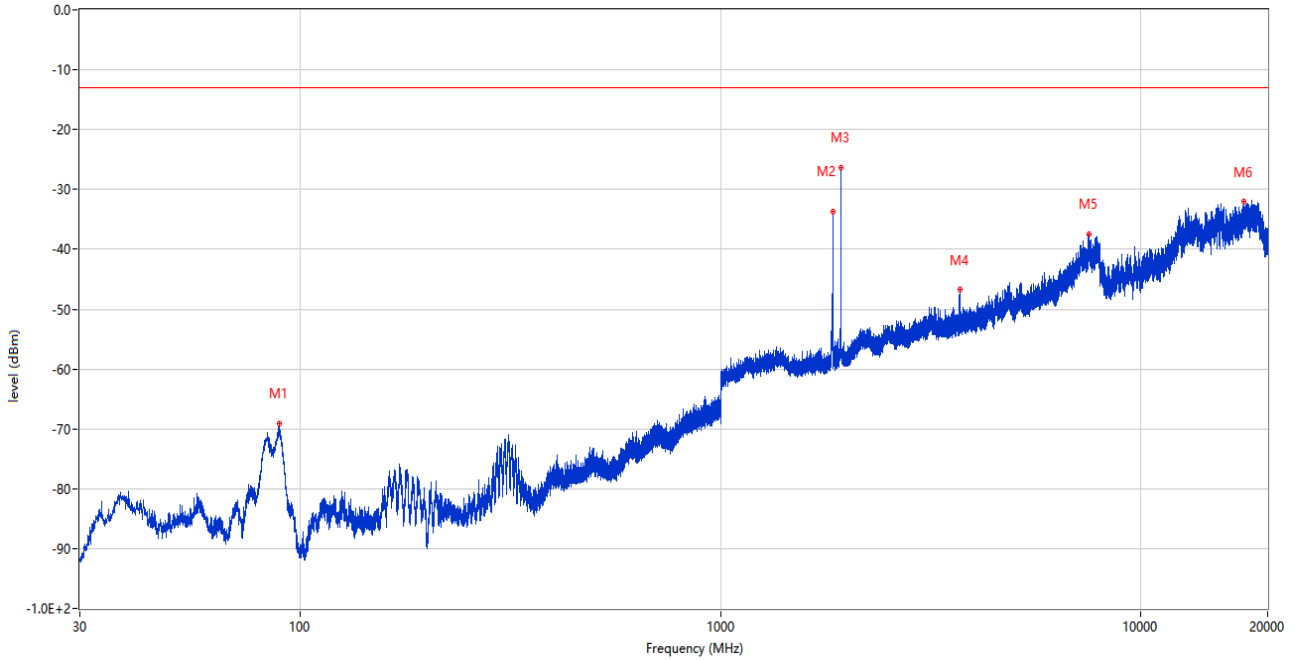
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.372	-65.29	-19.21	-13.0	52.29	74.00	Vertical	Horizontal	Pass
1990.100	-50.29	-4.40	-13.0	37.29	288.00	Vertical	Horizontal	N/A
3175.750	-49.82	5.31	-13.0	36.82	150.00	Vertical	Horizontal	Pass
4865.500	-45.74	7.79	-13.0	32.74	15.00	Vertical	Horizontal	Pass
7599.000	-37.50	16.58	-13.0	24.50	315.00	Vertical	Horizontal	Pass
17792.012	-30.76	26.36	-13.0	17.76	7.00	Vertical	Horizontal	Pass

### 3. WCDMA

#### 3.1 WCDMA Band 2

Band:WCDMA B2,Channel:Low range

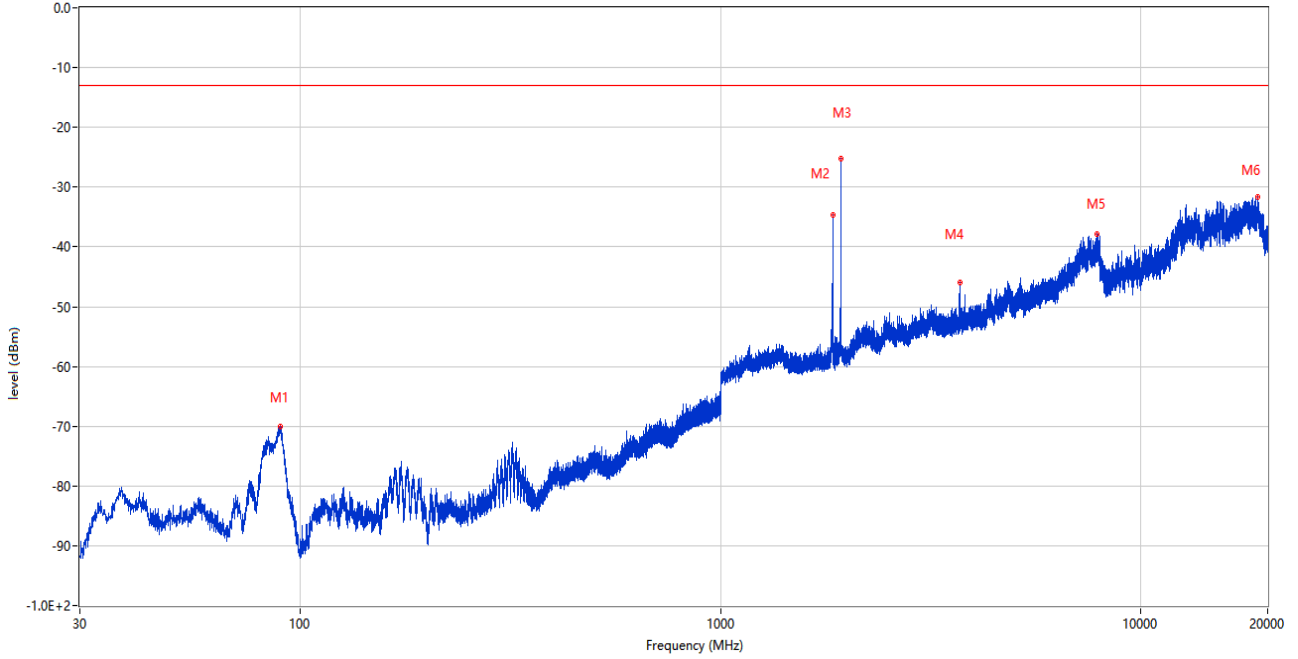
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.461	-69.02	-19.74	-13.0	56.02	350.00	Horizontal	Horizontal	Pass
1853.900	-33.63	-3.46	-13.0	20.63	240.00	Horizontal	Horizontal	N/A
1934.000	-26.30	-3.72	-13.0	13.30	276.00	Horizontal	Horizontal	N/A
3706.250	-46.78	4.61	-13.0	33.78	16.00	Horizontal	Horizontal	Pass
7526.500	-37.46	16.18	-13.0	24.46	360.00	Horizontal	Horizontal	Pass
17536.088	-32.10	25.78	-13.0	19.10	123.00	Horizontal	Horizontal	Pass

Band:WCDMA B2,Channel:Low range

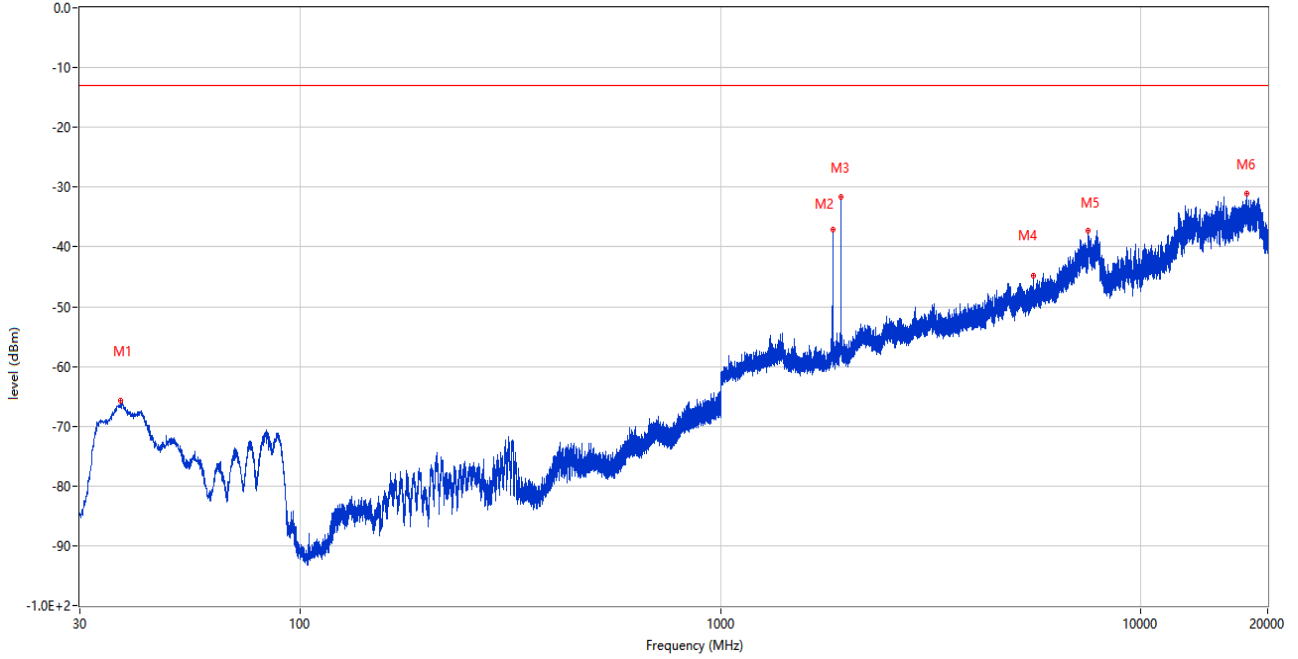
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.849	-70.15	-19.84	-13.0	57.15	163.00	Horizontal	Vertical	Pass
1853.900	-34.61	-3.46	-13.0	21.61	180.00	Horizontal	Vertical	N/A
1933.800	-25.23	-3.71	-13.0	12.23	272.00	Horizontal	Vertical	N/A
3703.750	-45.99	4.55	-13.0	32.99	203.00	Horizontal	Vertical	Pass
7866.250	-37.82	16.94	-13.0	24.82	54.00	Horizontal	Vertical	Pass
18907.062	-31.73	24.05	-13.0	18.73	109.00	Horizontal	Vertical	Pass

Band:WCDMA B2,Channel:Low range

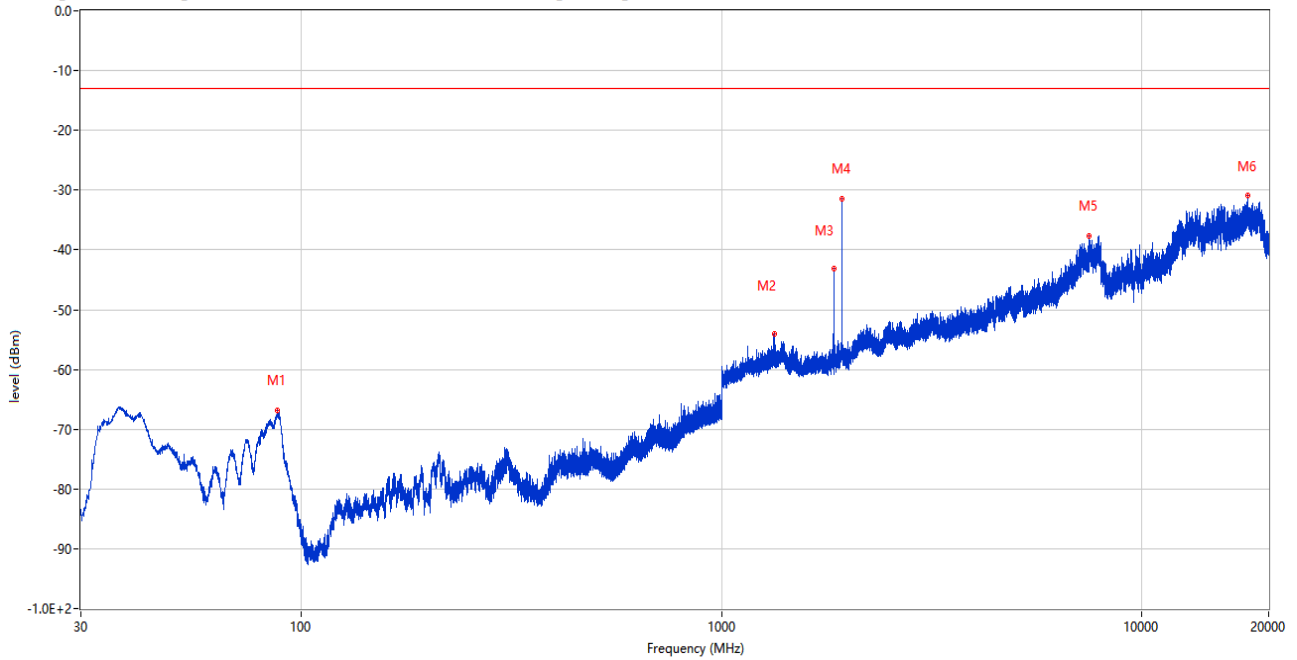
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.566	-65.68	-19.17	-13.0	52.68	70.00	Vertical	Vertical	Pass
1854.100	-37.08	-3.46	-13.0	24.08	320.00	Vertical	Vertical	N/A
1933.300	-31.68	-3.73	-13.0	18.68	273.00	Vertical	Vertical	N/A
5555.000	-44.84	7.44	-13.0	31.84	204.00	Vertical	Vertical	Pass
7498.750	-37.35	16.51	-13.0	24.35	313.00	Vertical	Vertical	Pass
17818.474	-31.14	26.24	-13.0	18.14	360.00	Vertical	Vertical	Pass

Band:WCDMA B2,Channel:Low range

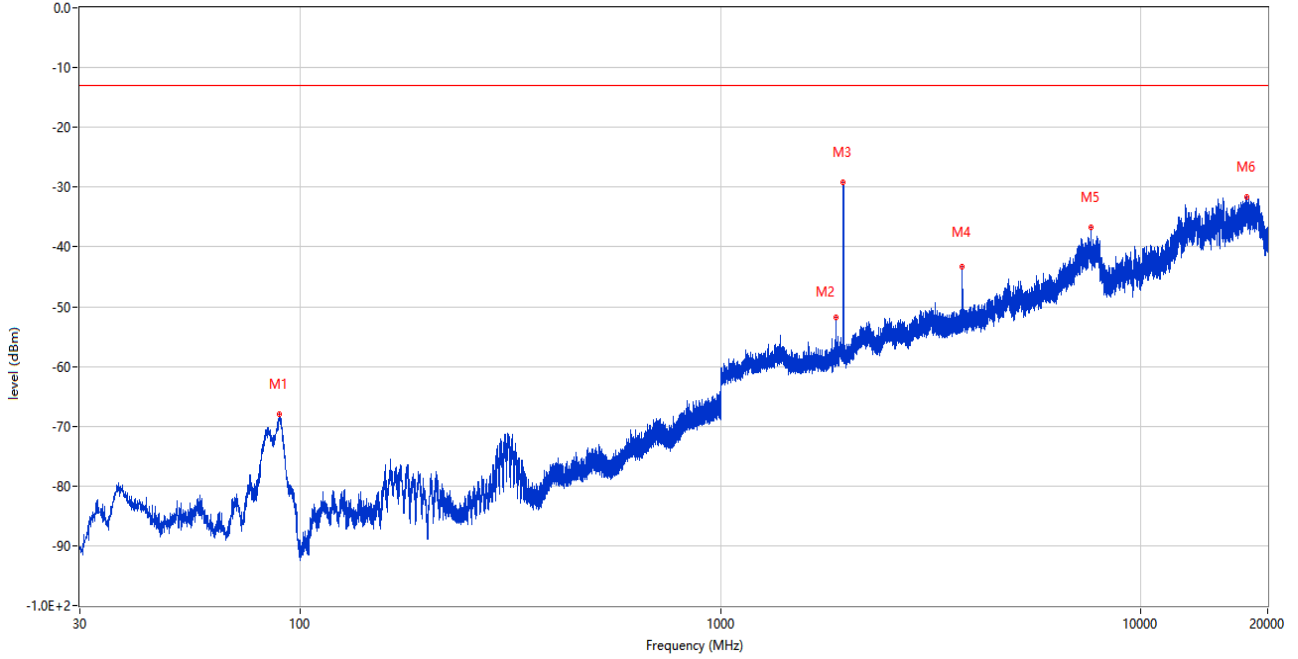
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.103	-66.92	-19.39	-13.0	53.92	304.00	Vertical	Horizontal	Pass
1333.500	-53.98	-4.94	-13.0	40.98	190.00	Vertical	Horizontal	Pass
1854.000	-43.11	-3.46	-13.0	30.11	285.00	Vertical	Horizontal	N/A
1932.600	-31.45	-3.75	-13.0	18.45	270.00	Vertical	Horizontal	N/A
7497.750	-37.58	16.57	-13.0	24.58	271.00	Vertical	Horizontal	Pass
17807.600	-30.91	26.38	-13.0	17.91	166.00	Vertical	Horizontal	Pass

Band:WCDMA B2,Channel:Mid range

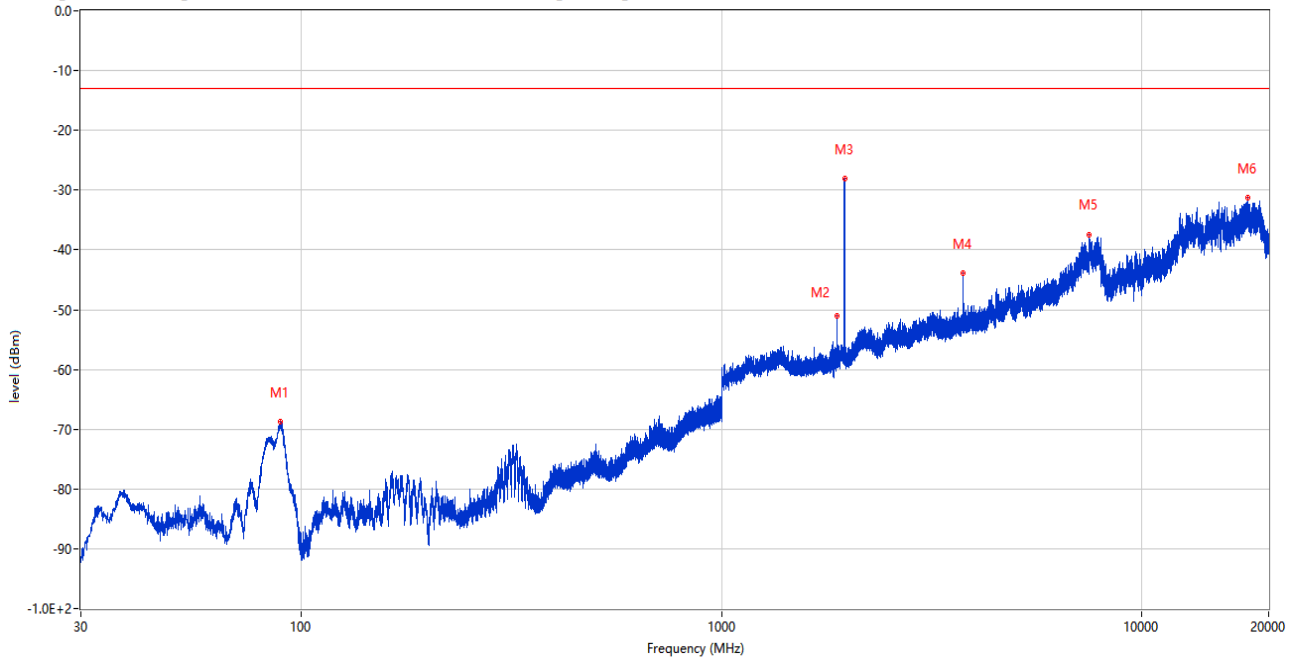
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.461	-67.93	-19.74	-13.0	54.93	184.00	Horizontal	Horizontal	Pass
1878.700	-51.71	-3.03	-13.0	38.71	188.00	Horizontal	Horizontal	N/A
1959.300	-29.17	-4.51	-13.0	16.17	265.00	Horizontal	Horizontal	N/A
3761.500	-43.36	4.52	-13.0	30.36	148.00	Horizontal	Horizontal	Pass
7598.250	-36.69	16.54	-13.0	23.69	305.00	Horizontal	Horizontal	Pass
17863.062	-31.60	25.76	-13.0	18.60	221.00	Horizontal	Horizontal	Pass

Band:WCDMA B2,Channel:Mid range

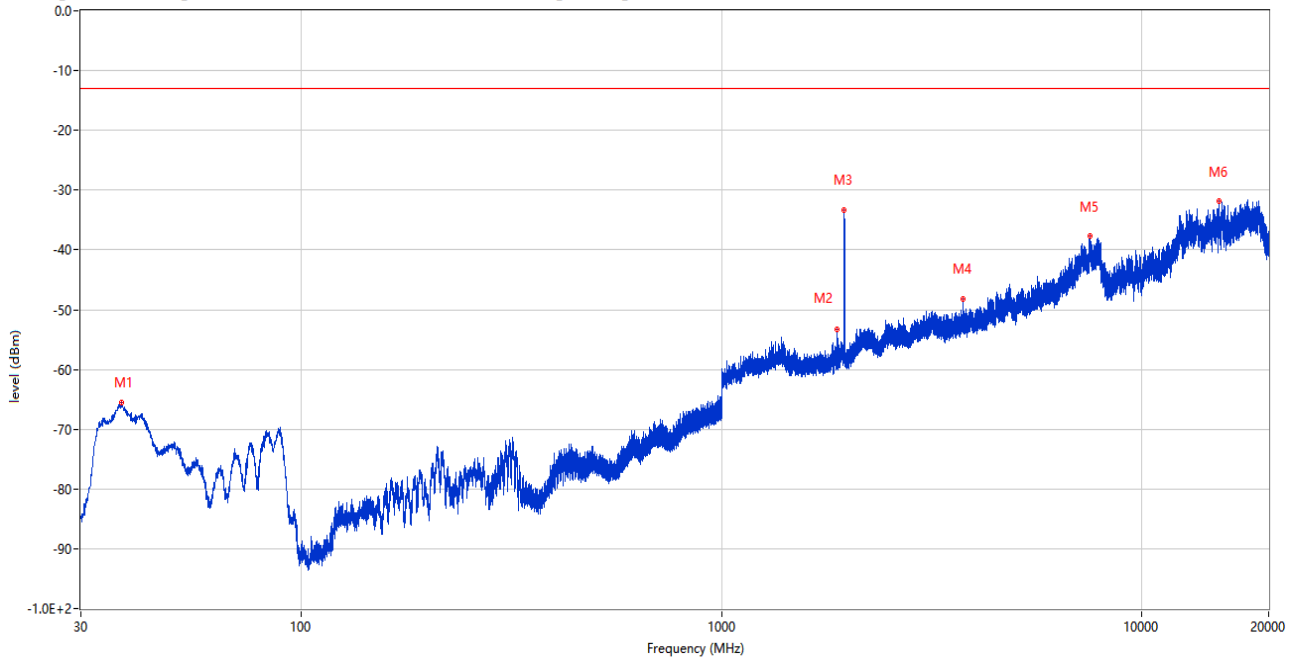
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.315	-68.75	-19.70	-13.0	55.75	354.00	Horizontal	Vertical	Pass
1878.800	-51.02	-3.02	-13.0	38.02	227.00	Horizontal	Vertical	N/A
1961.200	-28.10	-4.37	-13.0	15.10	288.00	Horizontal	Vertical	N/A
3758.500	-43.94	4.40	-13.0	30.94	201.00	Horizontal	Vertical	Pass
7490.250	-37.43	16.82	-13.0	24.43	210.00	Horizontal	Vertical	Pass
17798.900	-31.32	26.46	-13.0	18.32	95.00	Horizontal	Vertical	Pass

Band:WCDMA B2,Channel:Mid range

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

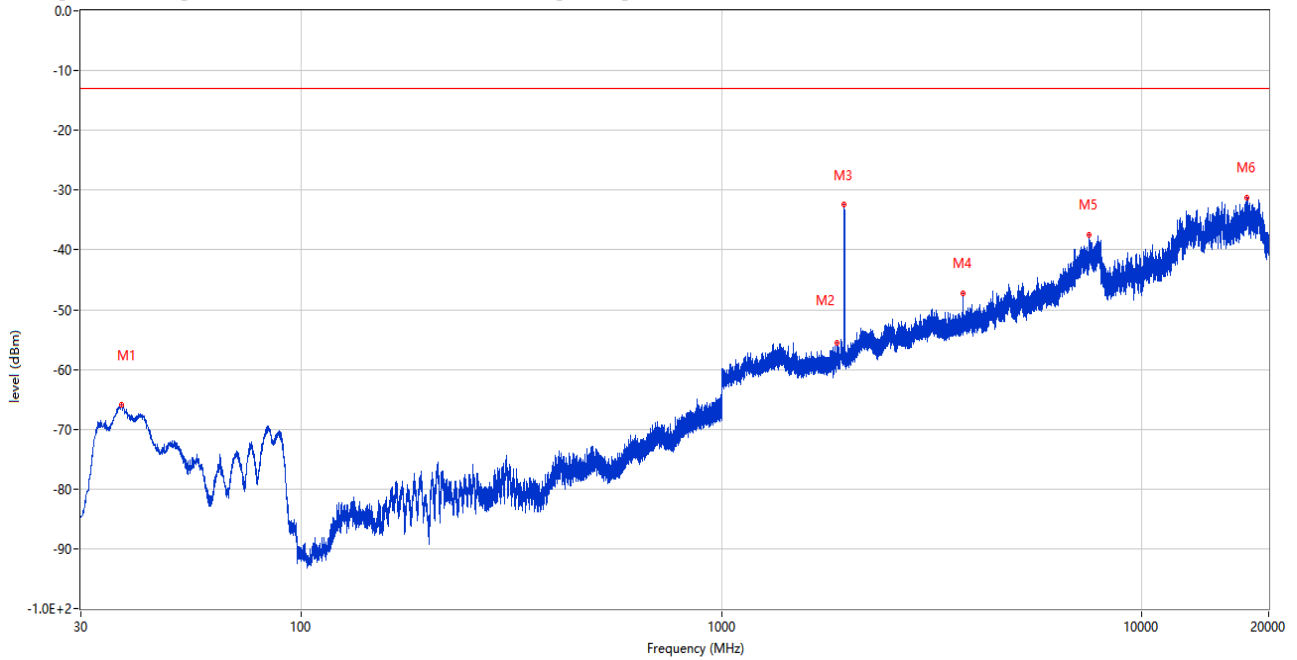


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.517	-65.50	-19.18	-13.0	52.50	92.00	Vertical	Vertical	Pass
1878.700	-53.31	-3.03	-13.0	40.31	297.00	Vertical	Vertical	N/A
1959.200	-33.24	-4.50	-13.0	20.24	272.00	Vertical	Vertical	N/A
3758.750	-48.16	4.39	-13.0	35.16	119.00	Vertical	Vertical	Pass
7527.250	-37.71	16.21	-13.0	24.71	167.00	Vertical	Vertical	Pass
15227.325	-31.89	24.20	-13.0	18.89	0.00	Vertical	Vertical	Pass



Band:WCDMA B2,Channel:Mid range

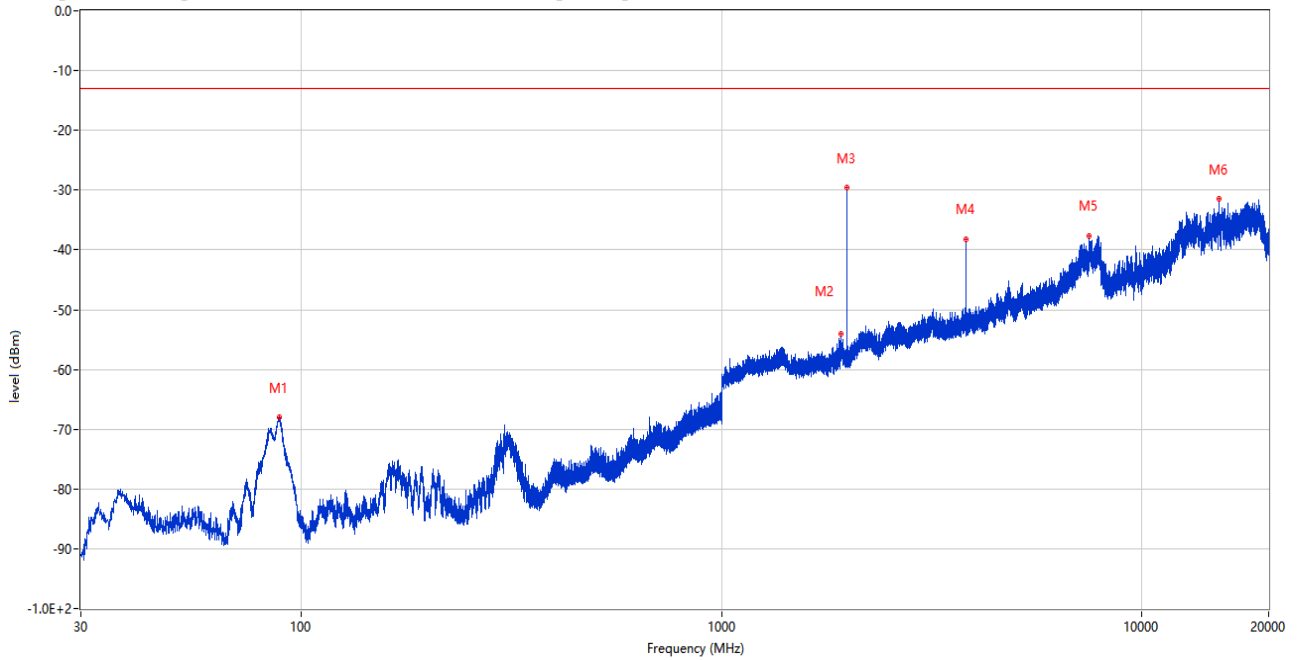
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.517	-65.98	-19.18	-13.0	52.98	109.00	Vertical	Horizontal	Pass
1878.700	-55.58	-3.03	-13.0	42.58	290.00	Vertical	Horizontal	N/A
1959.400	-32.42	-4.51	-13.0	19.42	270.00	Vertical	Horizontal	N/A
3758.250	-47.26	4.40	-13.0	34.26	2.00	Vertical	Horizontal	Pass
7485.500	-37.46	16.69	-13.0	24.46	345.00	Vertical	Horizontal	Pass
17792.375	-31.26	26.37	-13.0	18.26	148.00	Vertical	Horizontal	Pass

Band:WCDMA B2,Channel:High range

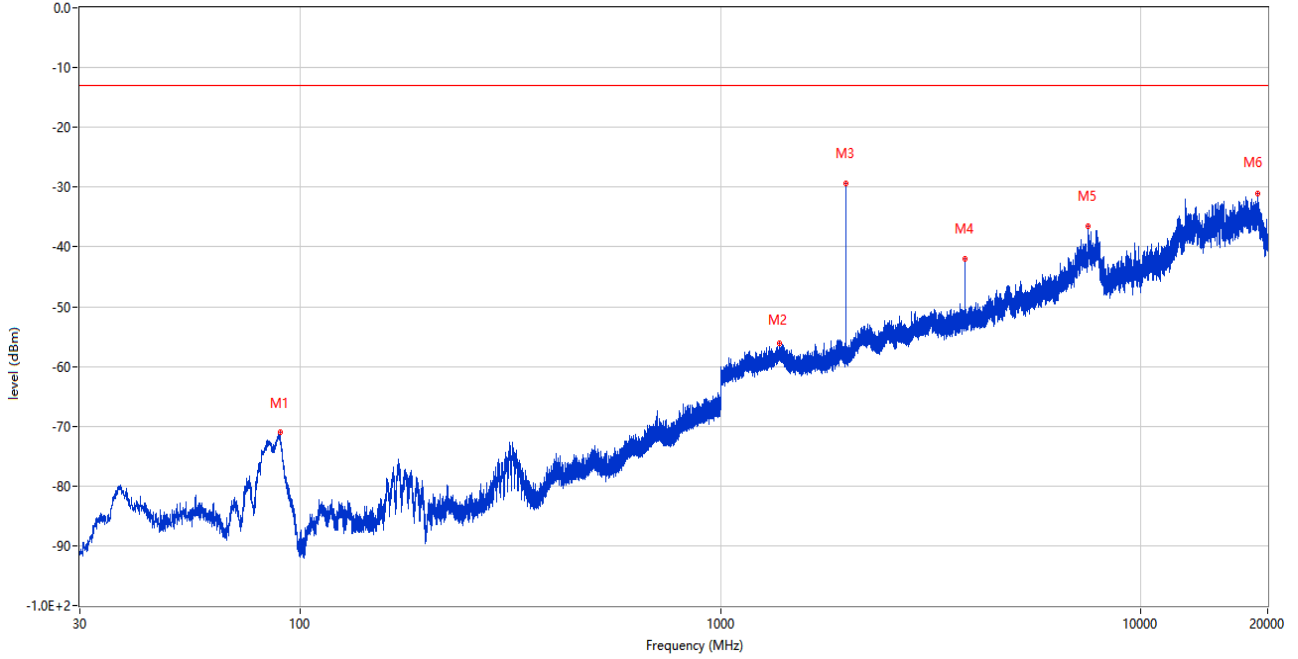
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.685	-68.00	-19.54	-13.0	55.00	158.00	Horizontal	Horizontal	Pass
1921.600	-54.11	-2.72	-13.0	41.11	47.00	Horizontal	Horizontal	Pass
1986.300	-29.59	-4.66	-13.0	16.59	276.00	Horizontal	Horizontal	N/A
3818.000	-38.20	5.27	-13.0	25.20	19.00	Horizontal	Horizontal	Pass
7499.500	-37.65	16.48	-13.0	24.65	264.00	Horizontal	Horizontal	Pass
15232.400	-31.46	24.16	-13.0	18.46	69.00	Horizontal	Horizontal	Pass

Band:WCDMA B2,Channel:High range

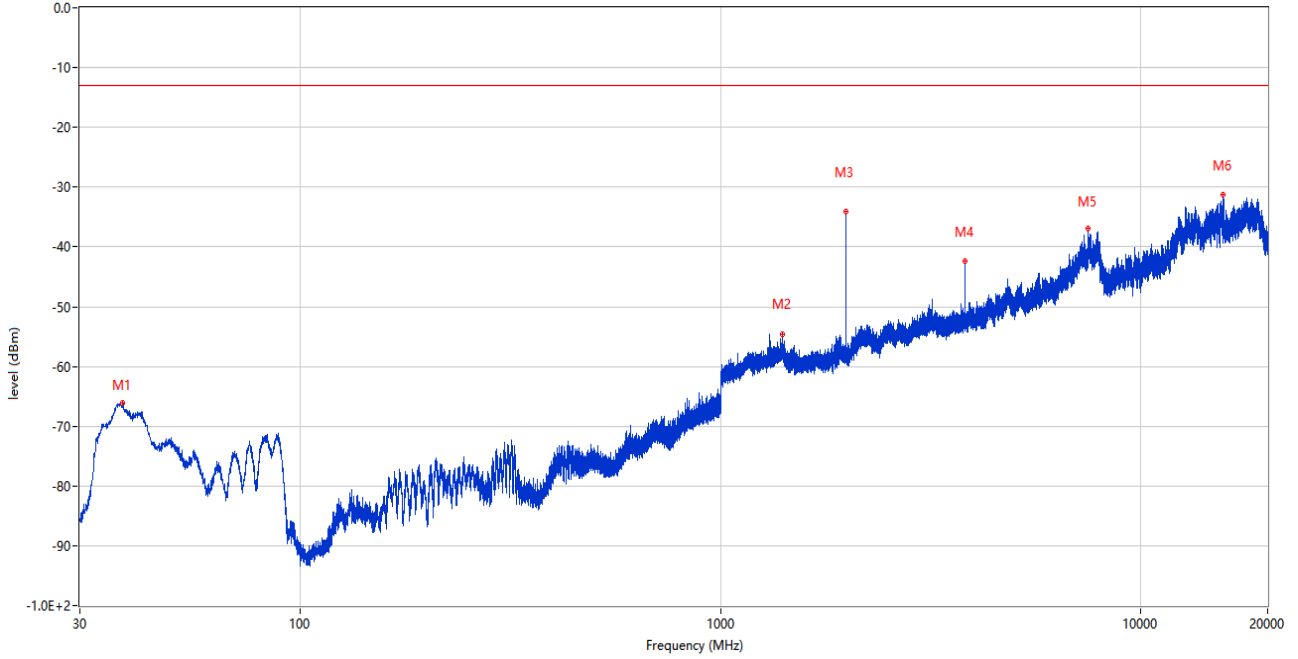
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.655	-71.06	-19.79	-13.0	58.06	184.00	Horizontal	Vertical	Pass
1380.400	-56.12	-4.09	-13.0	43.12	185.00	Horizontal	Vertical	Pass
1989.300	-29.33	-4.41	-13.0	16.33	272.00	Horizontal	Vertical	N/A
3816.750	-42.00	5.34	-13.0	29.00	23.00	Horizontal	Vertical	Pass
7488.000	-36.50	16.79	-13.0	23.50	122.00	Horizontal	Vertical	Pass
18943.676	-31.08	24.01	-13.0	18.08	306.00	Horizontal	Vertical	Pass

Band:WCDMA B2,Channel:High range

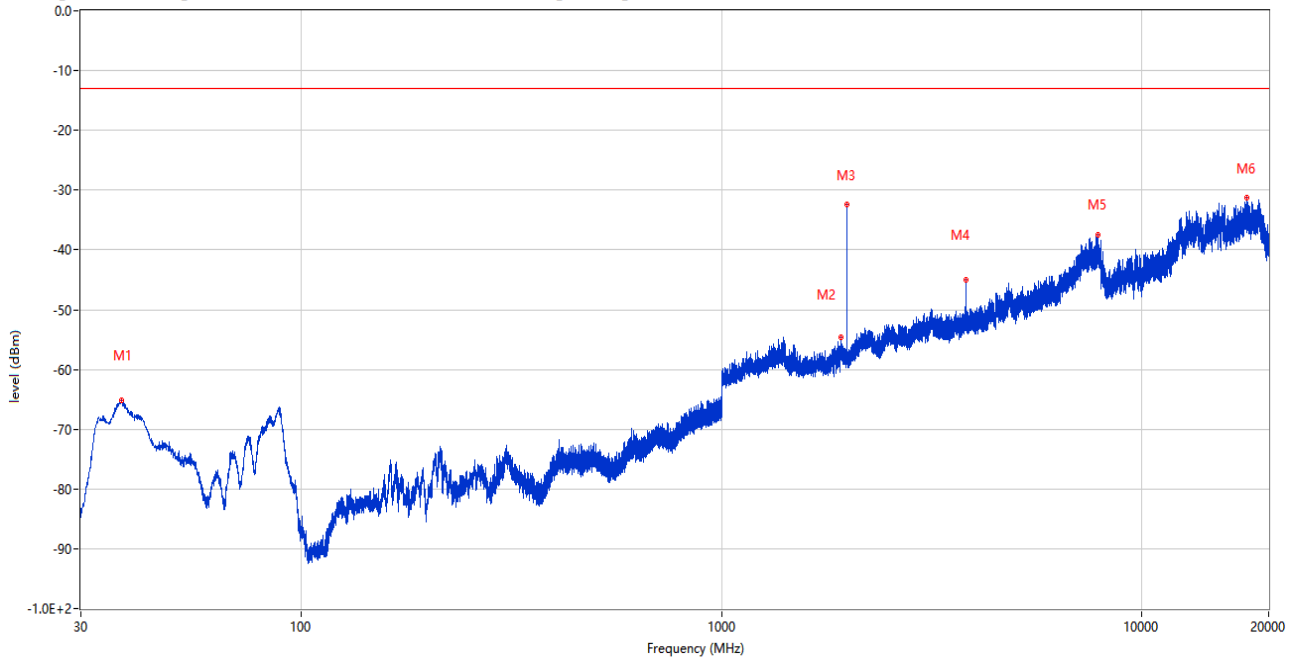
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.906	-66.15	-19.10	-13.0	53.15	66.00	Vertical	Vertical	Pass
1404.500	-54.61	-4.20	-13.0	41.61	146.00	Vertical	Vertical	Pass
1987.000	-34.13	-4.81	-13.0	21.13	8.00	Vertical	Vertical	N/A
3813.250	-42.39	5.33	-13.0	29.39	298.00	Vertical	Vertical	Pass
7493.750	-36.93	16.75	-13.0	23.93	0.00	Vertical	Vertical	Pass
15697.849	-31.33	24.18	-13.0	18.33	218.00	Vertical	Vertical	Pass

Band:WCDMA B2,Channel:High range

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

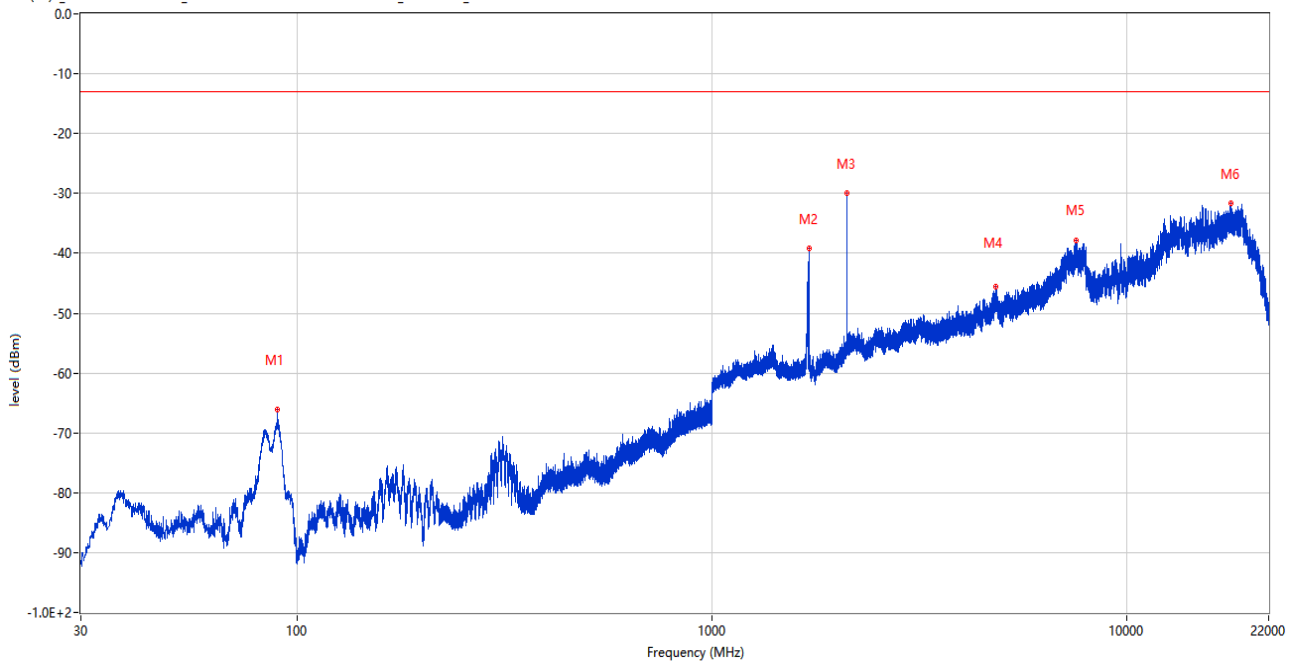


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.566	-65.19	-19.17	-13.0	52.19	76.00	Vertical	Horizontal	Pass
1922.200	-54.66	-2.72	-13.0	41.66	360.00	Vertical	Horizontal	Pass
1988.800	-32.46	-4.47	-13.0	19.46	277.00	Vertical	Horizontal	N/A
3818.000	-44.94	5.27	-13.0	31.94	312.00	Vertical	Horizontal	Pass
7863.750	-37.48	16.82	-13.0	24.48	360.00	Vertical	Horizontal	Pass
17794.912	-31.29	26.40	-13.0	18.29	107.00	Vertical	Horizontal	Pass

### 3.2 WCDMA Band 4

Band:WCDMA B4,Channel:Low range

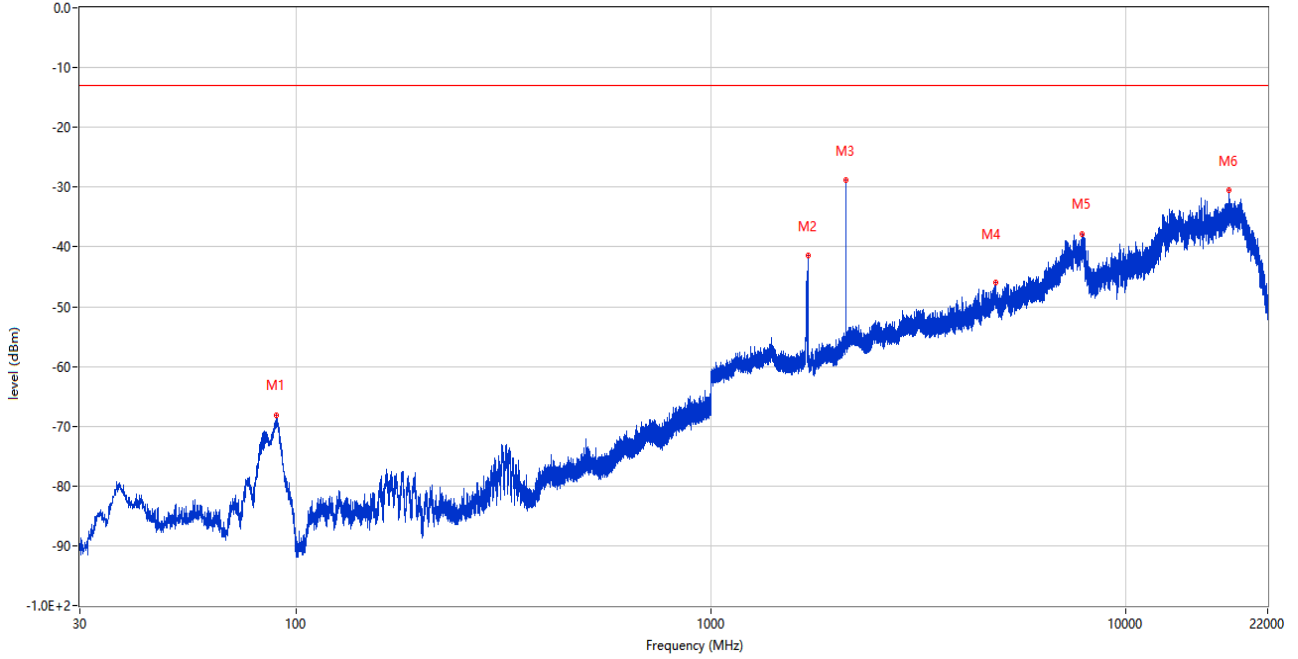
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.267	-66.18	-19.71	-13.0	53.18	352.00	Horizontal	Horizontal	Pass
1713.800	-39.24	-4.00	-13.0	26.24	136.00	Horizontal	Horizontal	N/A
2113.500	-29.99	-1.73	-13.0	16.99	267.00	Horizontal	Horizontal	N/A
4830.750	-45.57	7.58	-13.0	32.57	159.00	Horizontal	Horizontal	Pass
7532.250	-37.85	16.49	-13.0	24.85	87.00	Horizontal	Horizontal	Pass
17891.613	-31.68	25.54	-13.0	18.68	98.00	Horizontal	Horizontal	Pass

Band:WCDMA B4,Channel:Low range

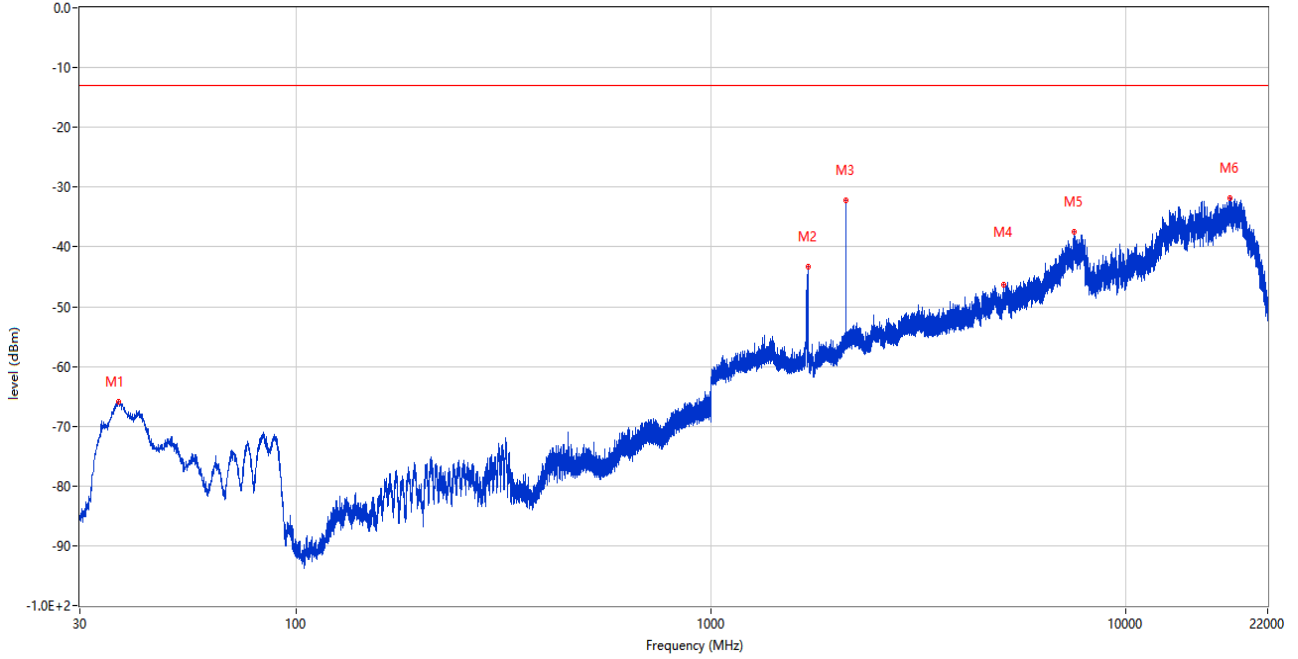
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.267	-68.12	-19.71	-13.0	55.12	170.00	Horizontal	Vertical	Pass
1714.100	-41.51	-4.00	-13.0	28.51	17.00	Horizontal	Vertical	N/A
2112.600	-28.85	-1.67	-13.0	15.85	150.00	Horizontal	Vertical	N/A
4846.000	-45.92	7.54	-13.0	32.92	263.00	Horizontal	Vertical	Pass
7865.750	-37.86	16.90	-13.0	24.86	360.00	Horizontal	Vertical	Pass
17764.887	-30.54	26.01	-13.0	17.54	31.00	Horizontal	Vertical	Pass

Band:WCDMA B4,Channel:Low range

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

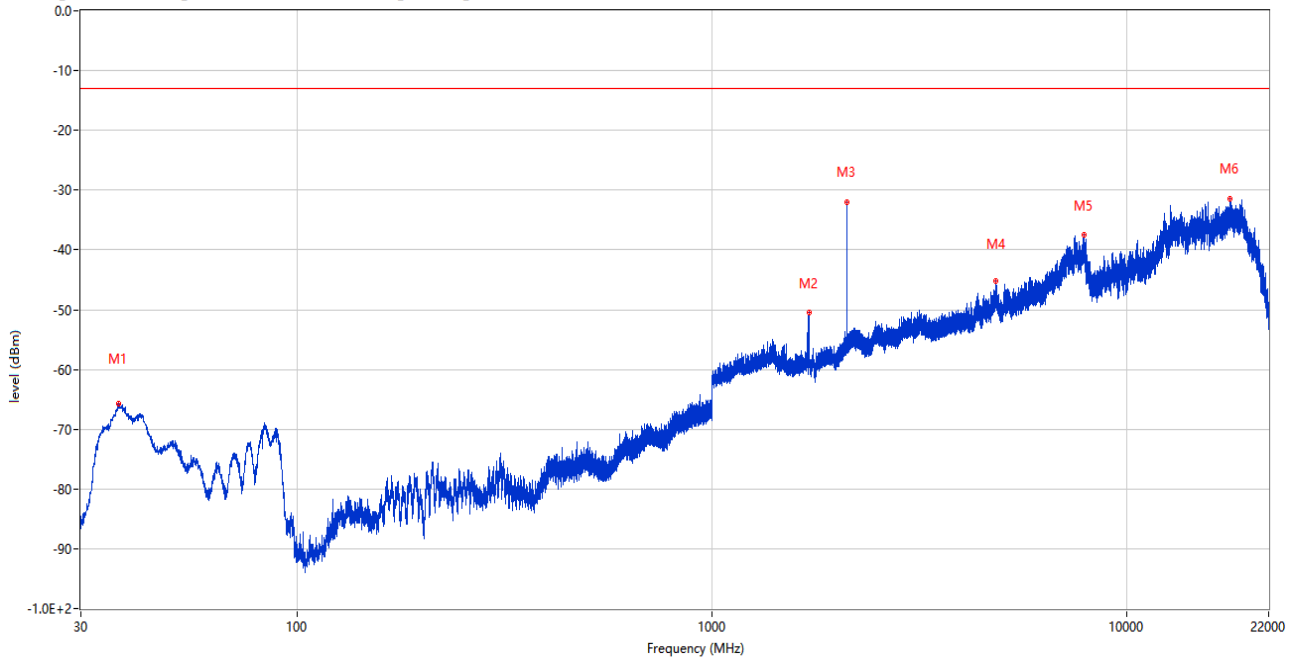


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.227	-65.89	-19.06	-13.0	52.89	83.00	Vertical	Vertical	Pass
1714.100	-43.31	-4.00	-13.0	30.31	71.00	Vertical	Vertical	N/A
2112.300	-32.13	-1.66	-13.0	19.13	333.00	Vertical	Vertical	N/A
5074.000	-46.25	8.03	-13.0	33.25	214.00	Vertical	Vertical	Pass
7495.500	-37.44	16.72	-13.0	24.44	357.00	Vertical	Vertical	Pass
17798.187	-31.78	26.45	-13.0	18.78	304.00	Vertical	Vertical	Pass



Band:WCDMA B4,Channel:Low range

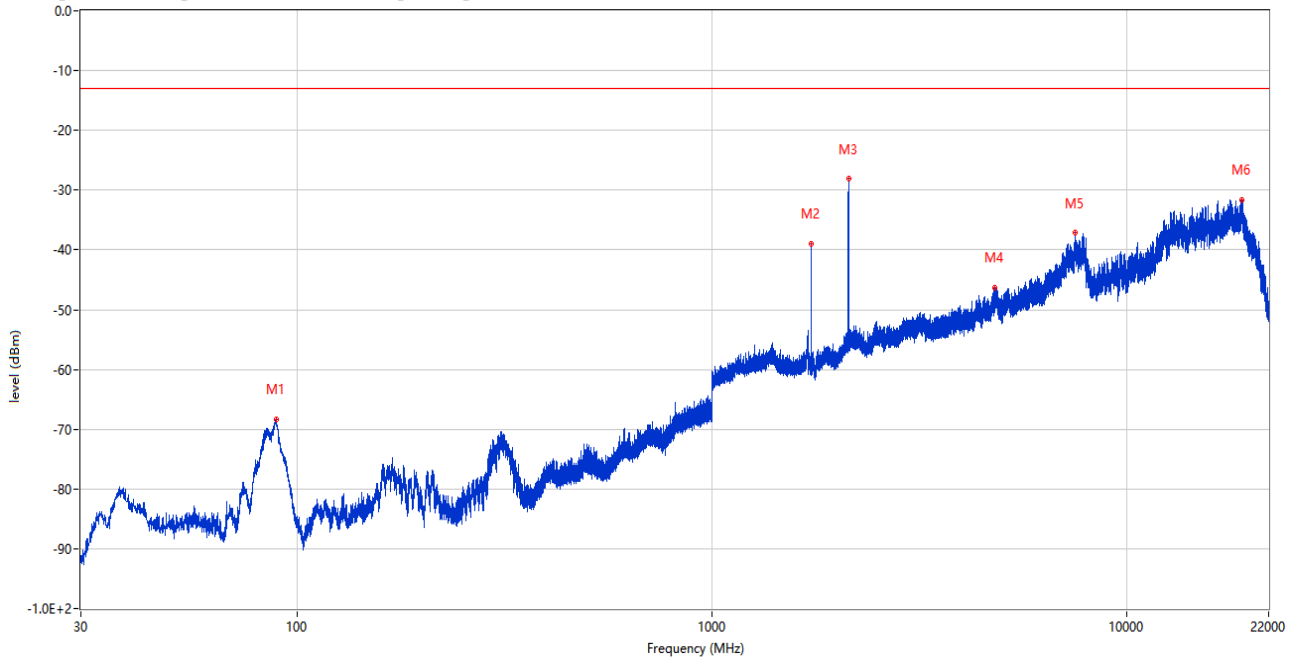
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
36.935	-65.79	-19.18	-13.0	52.79	63.00	Vertical	Horizontal	Pass
1714.000	-50.54	-4.00	-13.0	37.54	331.00	Vertical	Horizontal	N/A
2112.300	-32.01	-1.66	-13.0	19.01	138.00	Vertical	Horizontal	N/A
4823.500	-45.15	7.67	-13.0	32.15	232.00	Vertical	Horizontal	Pass
7881.750	-37.49	16.90	-13.0	24.49	146.00	Vertical	Horizontal	Pass
17788.475	-31.43	26.32	-13.0	18.43	252.00	Vertical	Horizontal	Pass

Band:WCDMA B4,Channel:Mid range

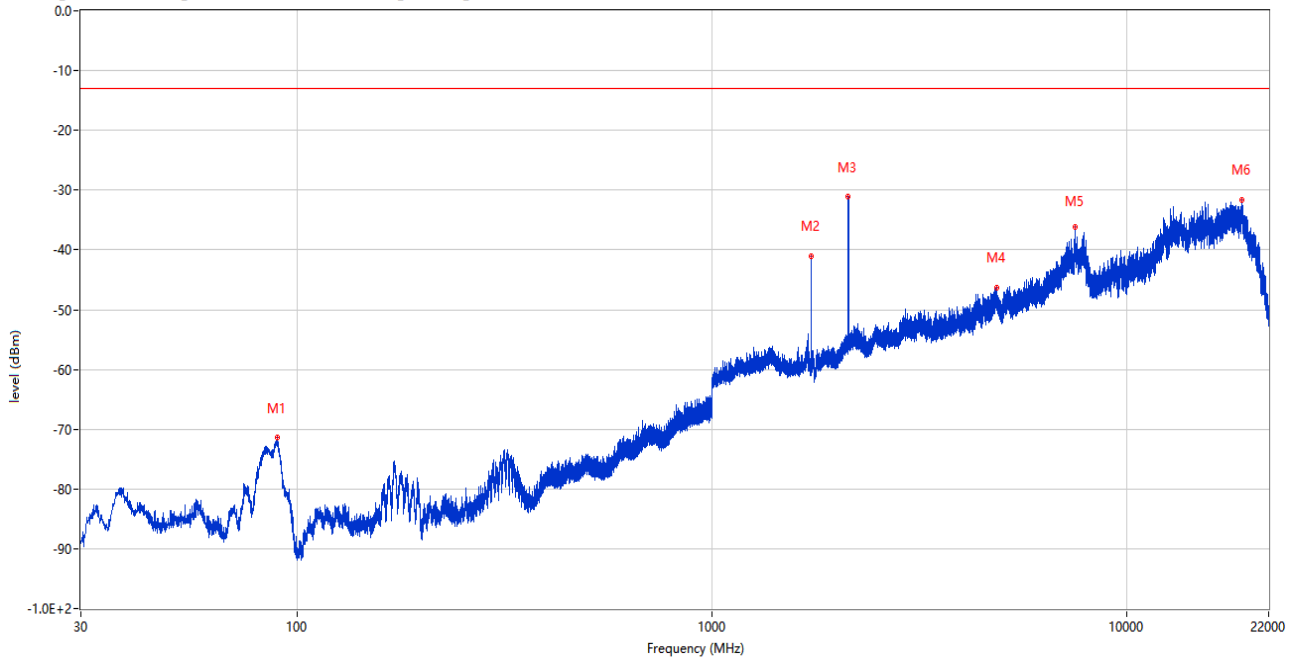
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.685	-68.35	-19.56	-13.0	55.35	162.00	Horizontal	Horizontal	Pass
1733.900	-38.94	-4.08	-13.0	25.94	139.00	Horizontal	Horizontal	N/A
2131.700	-28.14	-1.61	-13.0	15.14	145.00	Horizontal	Horizontal	N/A
4813.250	-46.33	7.93	-13.0	33.33	119.00	Horizontal	Horizontal	Pass
7528.000	-37.14	16.25	-13.0	24.14	209.00	Horizontal	Horizontal	Pass
18950.738	-31.59	24.01	-13.0	18.59	318.00	Horizontal	Horizontal	Pass

Band:WCDMA B4,Channel:Mid range

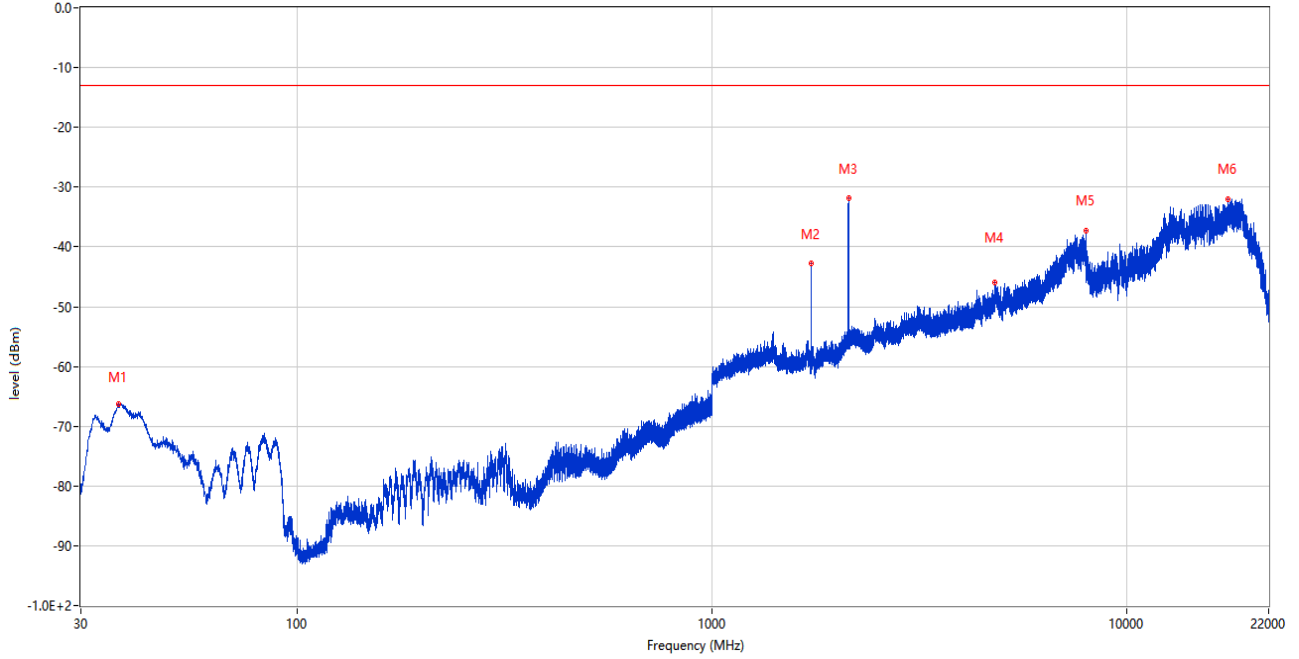
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.170	-71.40	-19.68	-13.0	58.40	0.00	Horizontal	Vertical	Pass
1733.800	-40.98	-4.08	-13.0	27.98	183.00	Horizontal	Vertical	N/A
2131.300	-31.14	-1.64	-13.0	18.14	147.00	Horizontal	Vertical	N/A
4855.250	-46.34	7.79	-13.0	33.34	149.00	Horizontal	Vertical	Pass
7501.250	-36.10	16.39	-13.0	23.10	116.00	Horizontal	Vertical	Pass
18978.949	-31.65	23.98	-13.0	18.65	54.00	Horizontal	Vertical	Pass

Band:WCDMA B4,Channel:Mid range

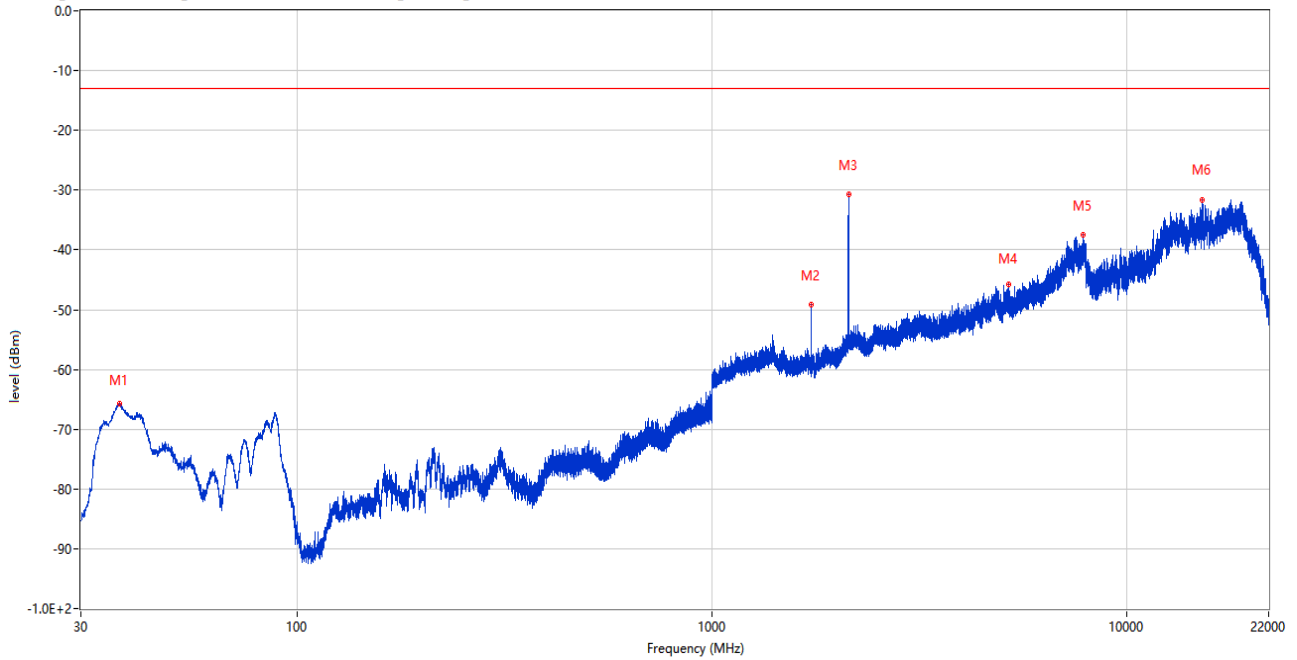
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.032	-66.22	-19.11	-13.0	53.22	30.00	Vertical	Vertical	Pass
1734.100	-42.83	-4.08	-13.0	29.83	154.00	Vertical	Vertical	N/A
2132.400	-31.88	-1.57	-13.0	18.88	134.00	Vertical	Vertical	N/A
4804.000	-45.95	7.94	-13.0	32.95	0.00	Vertical	Vertical	Pass
7995.500	-37.28	17.13	-13.0	24.28	129.00	Vertical	Vertical	Pass
17503.574	-32.02	25.72	-13.0	19.02	317.00	Vertical	Vertical	Pass

Band:WCDMA B4,Channel:Mid range

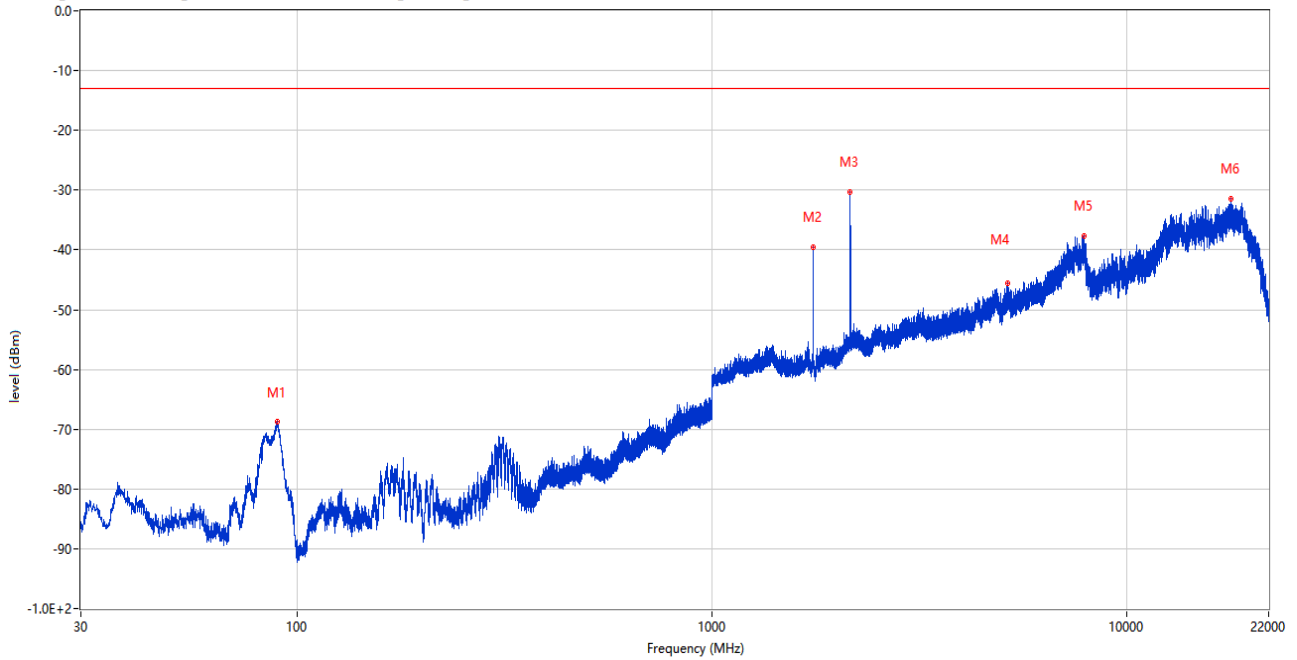
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.227	-65.78	-19.06	-13.0	52.78	110.00	Vertical	Horizontal	Pass
1734.000	-49.21	-4.08	-13.0	36.21	327.00	Vertical	Horizontal	N/A
2133.500	-30.78	-1.49	-13.0	17.78	317.00	Vertical	Horizontal	N/A
5179.750	-45.70	8.32	-13.0	32.70	139.00	Vertical	Horizontal	Pass
7868.750	-37.51	17.00	-13.0	24.51	187.00	Vertical	Horizontal	Pass
15220.675	-31.64	24.25	-13.0	18.64	75.00	Vertical	Horizontal	Pass

Band:WCDMA B4,Channel:High range

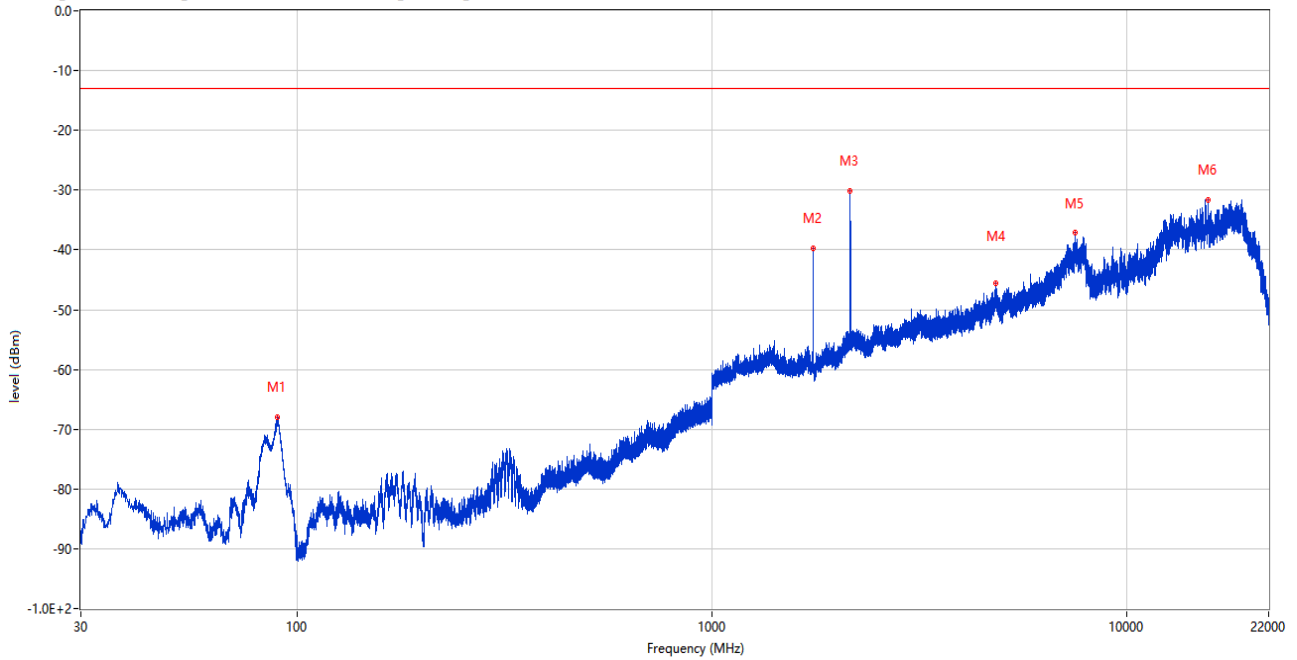
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.461	-68.77	-19.76	-13.0	55.77	162.00	Horizontal	Horizontal	Pass
1753.500	-39.50	-4.18	-13.0	26.50	1.00	Horizontal	Horizontal	N/A
2153.300	-30.25	-1.19	-13.0	17.25	235.00	Horizontal	Horizontal	N/A
5172.500	-45.57	8.16	-13.0	32.57	201.00	Horizontal	Horizontal	Pass
7872.750	-37.61	17.07	-13.0	24.61	334.00	Horizontal	Horizontal	Pass
17827.324	-31.45	26.14	-13.0	18.45	346.00	Horizontal	Horizontal	Pass

Band:WCDMA B4,Channel:High range

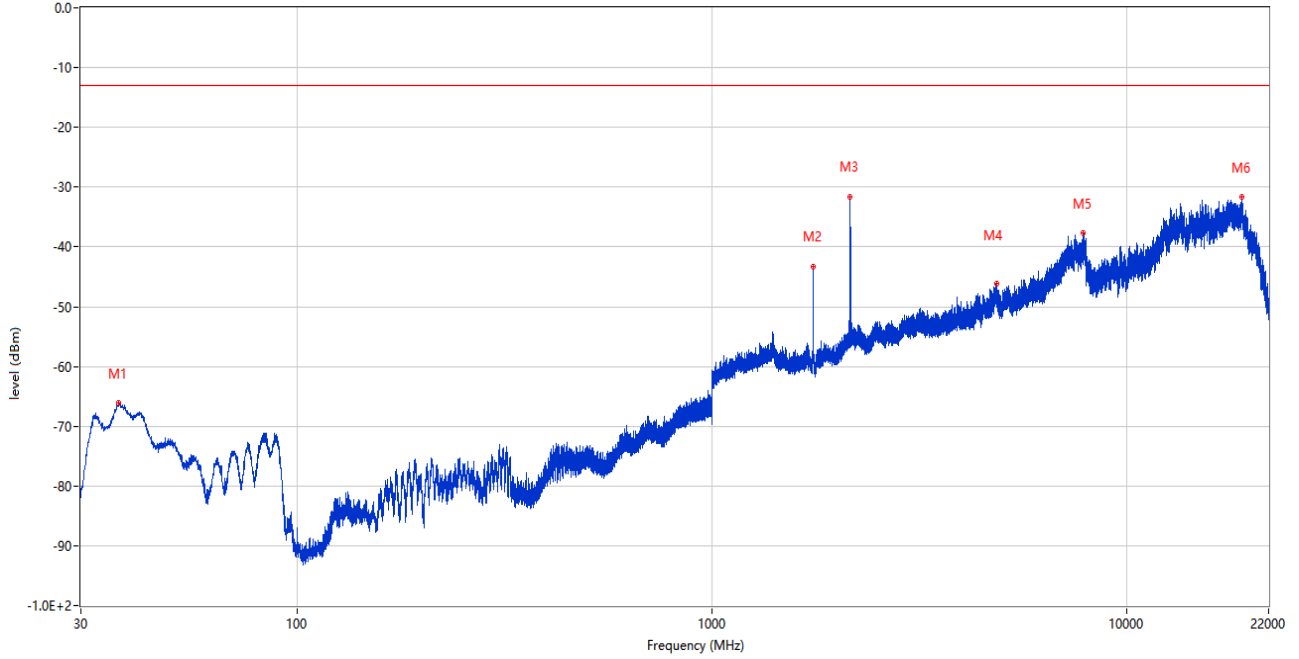
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.364	-67.89	-19.73	-13.0	54.89	166.00	Horizontal	Vertical	Pass
1753.800	-39.70	-4.18	-13.0	26.70	186.00	Horizontal	Vertical	N/A
2151.900	-30.06	-1.22	-13.0	17.06	242.00	Horizontal	Vertical	N/A
4823.750	-45.66	7.67	-13.0	32.66	104.00	Horizontal	Vertical	Pass
7490.000	-37.14	16.82	-13.0	24.14	0.00	Horizontal	Vertical	Pass
15698.900	-31.58	24.21	-13.0	18.58	46.00	Horizontal	Vertical	Pass

Band:WCDMA B4,Channel:High range

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

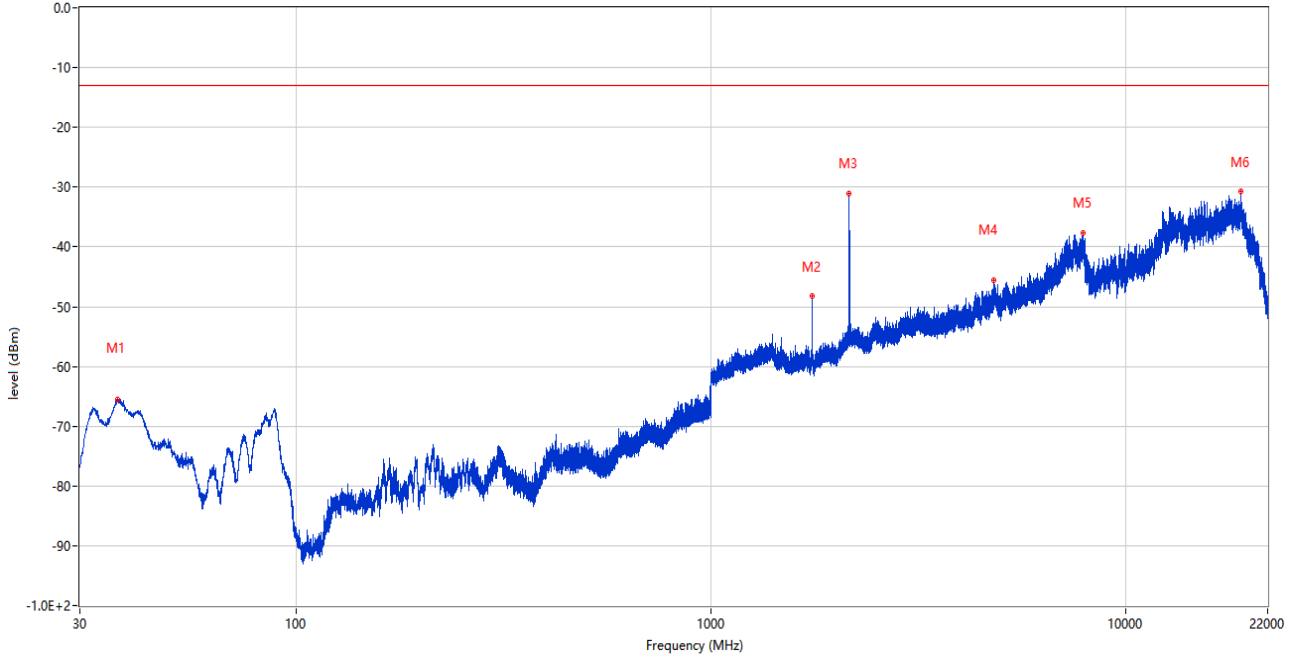


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.081	-66.14	-19.10	-13.0	53.14	73.00	Vertical	Vertical	Pass
1753.600	-43.26	-4.18	-13.0	30.26	71.00	Vertical	Vertical	N/A
2151.700	-31.57	-1.23	-13.0	18.57	132.00	Vertical	Vertical	N/A
4862.000	-46.14	7.81	-13.0	33.14	357.00	Vertical	Vertical	Pass
7868.750	-37.76	17.00	-13.0	24.76	308.00	Vertical	Vertical	Pass
18989.588	-31.68	23.97	-13.0	18.68	292.00	Vertical	Vertical	Pass



Band:WCDMA B4,Channel:High range

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

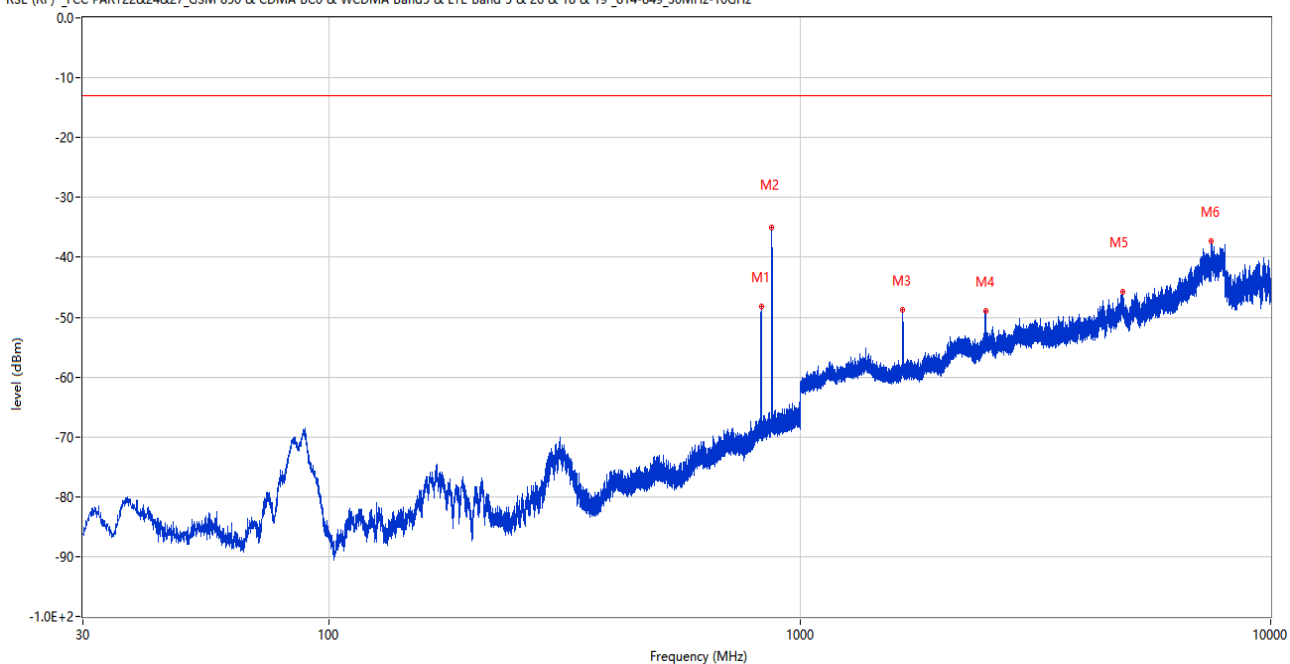


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.081	-65.46	-19.10	-13.0	52.46	103.00	Vertical	Horizontal	Pass
1753.500	-48.30	-4.18	-13.0	35.30	328.00	Vertical	Horizontal	N/A
2154.000	-31.02	-1.18	-13.0	18.02	322.00	Vertical	Horizontal	N/A
4813.500	-45.56	7.92	-13.0	32.56	211.00	Vertical	Horizontal	Pass
7878.250	-37.57	17.10	-13.0	24.57	348.00	Vertical	Horizontal	Pass
18975.713	-30.73	23.98	-13.0	17.73	8.00	Vertical	Horizontal	Pass

### 3.3 WCDMA Band 5

Band:WCDMA B5,Channel:Low range

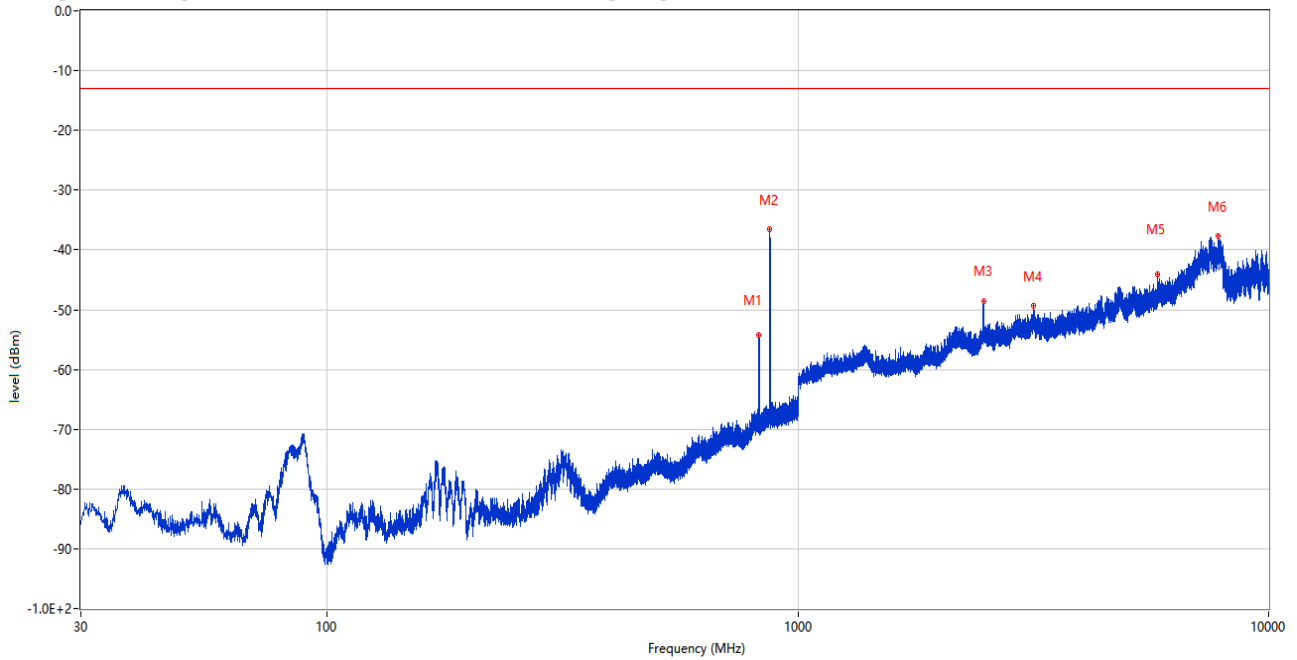
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
828.068	-48.22	2.03	-13.0	35.22	314.00	Horizontal	Horizontal	N/A
871.233	-35.06	2.13	-13.0	22.06	196.00	Horizontal	Horizontal	N/A
1654.700	-48.86	-5.50	-13.0	35.86	167.00	Horizontal	Horizontal	Pass
2483.700	-49.05	0.35	-13.0	36.05	33.00	Horizontal	Horizontal	Pass
4860.000	-45.78	7.77	-13.0	32.78	75.00	Horizontal	Horizontal	Pass
7486.750	-37.38	16.76	-13.0	24.38	289.00	Horizontal	Horizontal	Pass

Band:WCDMA B5,Channel:Low range

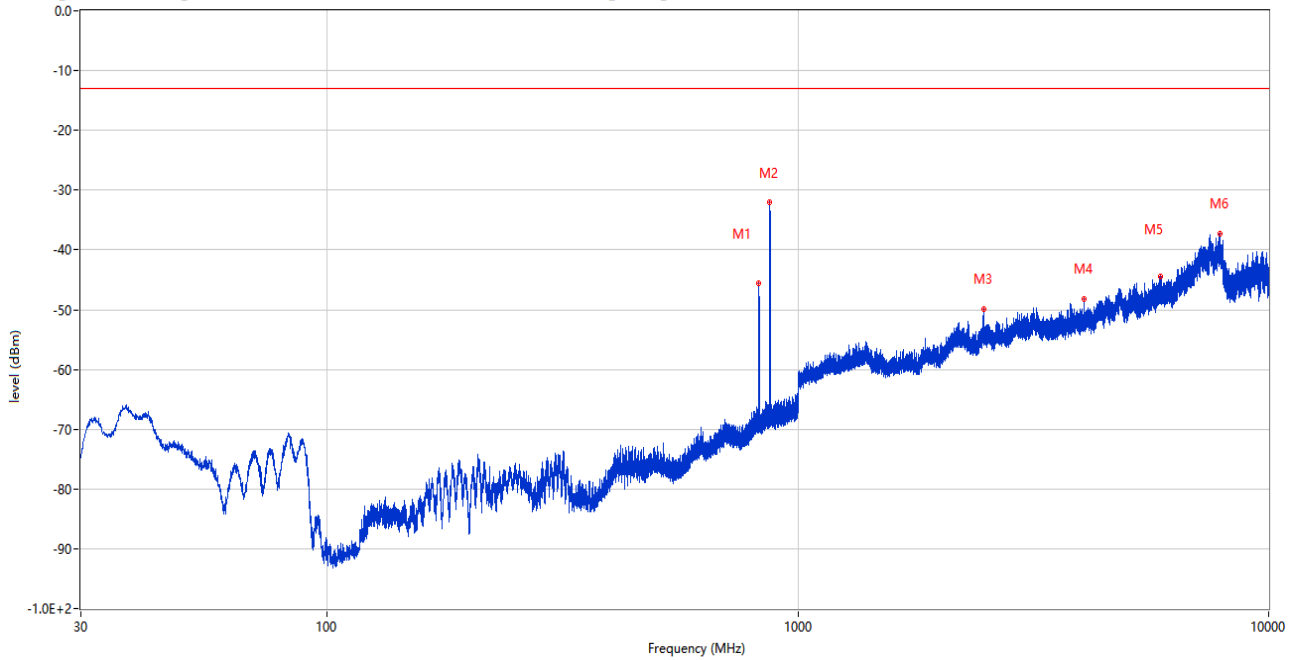
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.109	-54.25	1.97	-13.0	41.25	164.00	Horizontal	Vertical	N/A
870.068	-36.59	2.11	-13.0	23.59	178.00	Horizontal	Vertical	N/A
2482.300	-48.57	0.40	-13.0	35.57	214.00	Horizontal	Vertical	Pass
3162.000	-49.42	5.29	-13.0	36.42	133.00	Horizontal	Vertical	Pass
5807.250	-44.05	8.31	-13.0	31.05	214.00	Horizontal	Vertical	Pass
7798.250	-37.70	15.79	-13.0	24.70	76.00	Horizontal	Vertical	Pass

Band:WCDMA B5,Channel:Low range

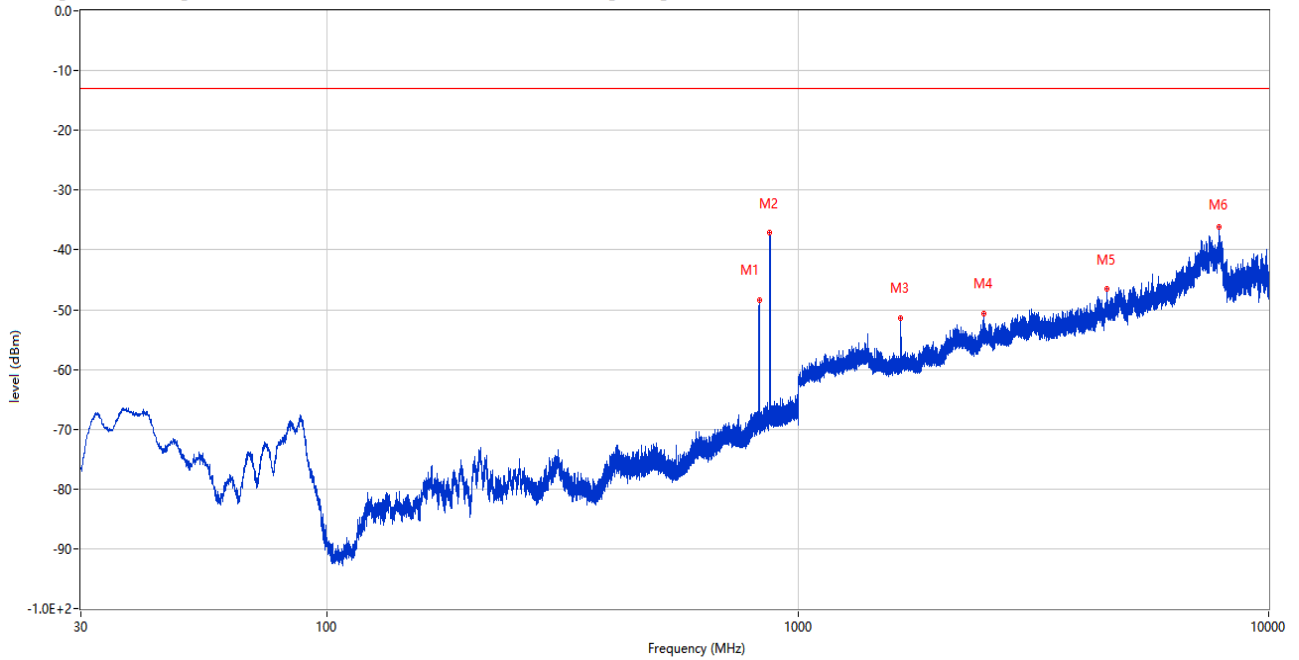
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
825.206	-45.49	1.98	-13.0	32.49	155.00	Vertical	Vertical	N/A
870.166	-32.04	2.11	-13.0	19.04	360.00	Vertical	Vertical	N/A
2480.300	-49.86	0.43	-13.0	36.86	338.00	Vertical	Vertical	Pass
4060.250	-48.19	5.45	-13.0	35.19	323.00	Vertical	Vertical	Pass
5880.750	-44.40	8.50	-13.0	31.40	198.00	Vertical	Vertical	Pass
7868.750	-37.21	17.00	-13.0	24.21	268.00	Vertical	Vertical	Pass

Band:WCDMA B5,Channel:Low range

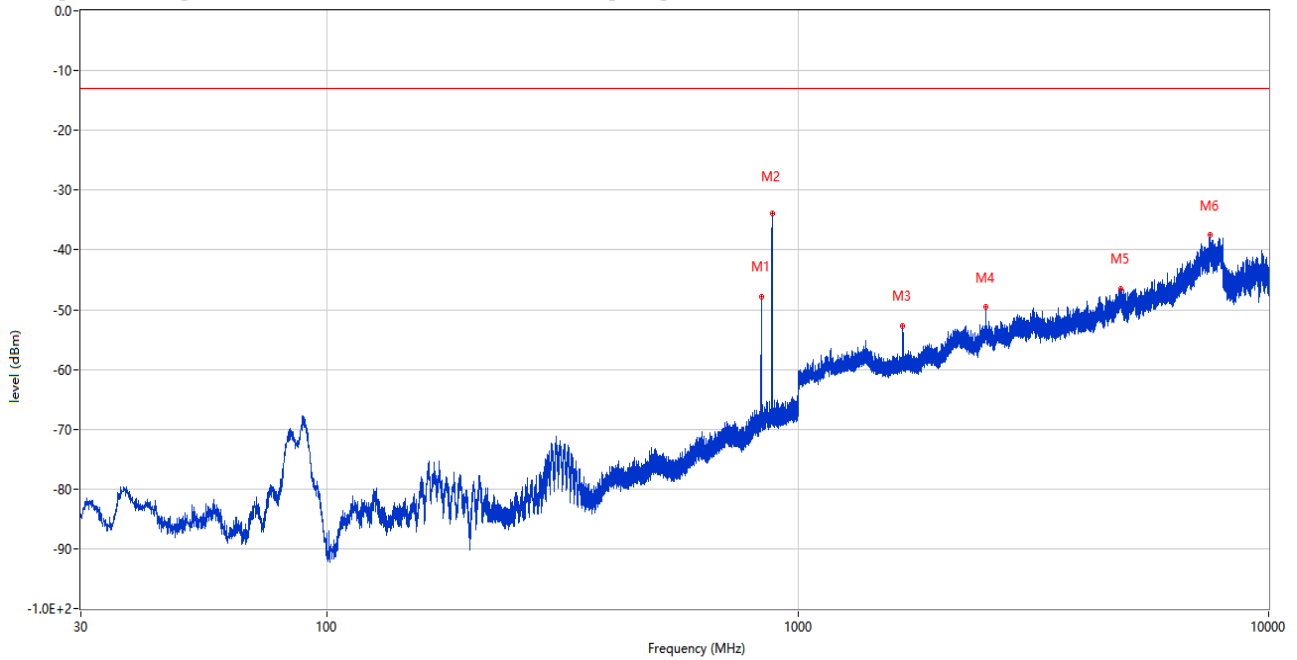
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
828.116	-48.32	2.04	-13.0	35.32	339.00	Vertical	Horizontal	N/A
872.057	-37.14	2.16	-13.0	24.14	134.00	Vertical	Horizontal	N/A
1654.800	-51.37	-5.51	-13.0	38.37	320.00	Vertical	Horizontal	Pass
2483.200	-50.57	0.37	-13.0	37.57	109.00	Vertical	Horizontal	Pass
4528.500	-46.61	7.54	-13.0	33.61	75.00	Vertical	Horizontal	Pass
7855.500	-36.16	16.39	-13.0	23.16	4.00	Vertical	Horizontal	Pass

Band:WCDMA B5,Channel:Mid range

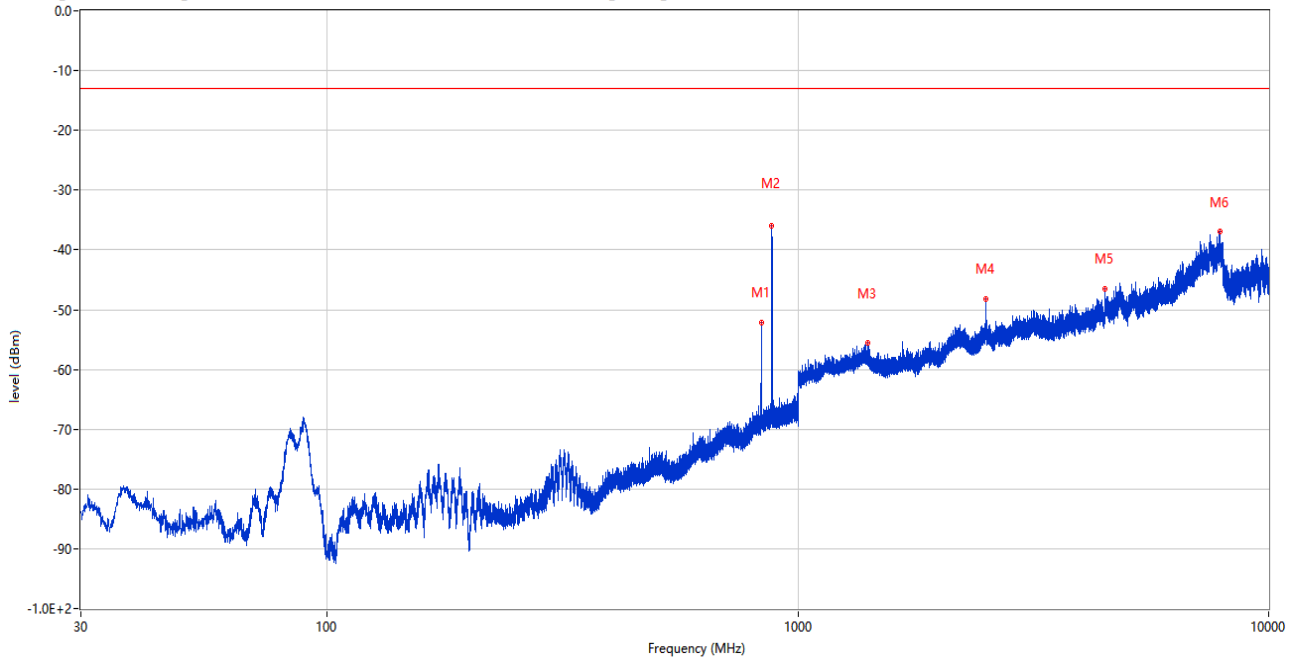
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
837.865	-47.78	2.23	-13.0	34.78	66.00	Horizontal	Horizontal	N/A
881.999	-33.85	2.44	-13.0	20.85	191.00	Horizontal	Horizontal	N/A
1670.300	-52.69	-4.98	-13.0	39.69	178.00	Horizontal	Horizontal	Pass
2504.900	-49.60	0.33	-13.0	36.60	183.00	Horizontal	Horizontal	Pass
4855.750	-46.44	7.81	-13.0	33.44	113.00	Horizontal	Horizontal	Pass
7494.250	-37.51	16.76	-13.0	24.51	22.00	Horizontal	Horizontal	Pass

Band:WCDMA B5,Channel:Mid range

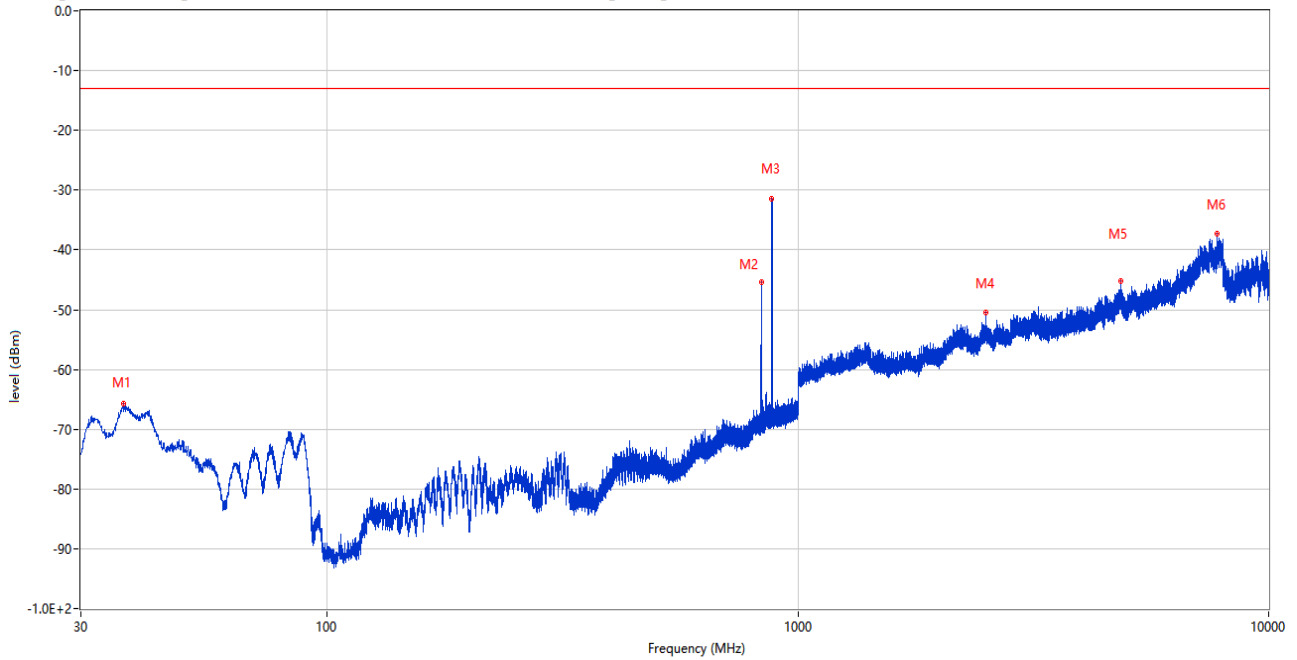
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
837.816	-52.17	2.23	-13.0	39.17	131.00	Horizontal	Vertical	N/A
880.254	-35.93	2.45	-13.0	22.93	183.00	Horizontal	Vertical	N/A
1405.300	-55.64	-4.27	-13.0	42.64	203.00	Horizontal	Vertical	Pass
2505.900	-48.18	0.33	-13.0	35.18	193.00	Horizontal	Vertical	Pass
4496.000	-46.50	6.97	-13.0	33.50	43.00	Horizontal	Vertical	Pass
7866.000	-37.00	16.92	-13.0	24.00	18.00	Horizontal	Vertical	Pass

Band:WCDMA B5,Channel:Mid range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

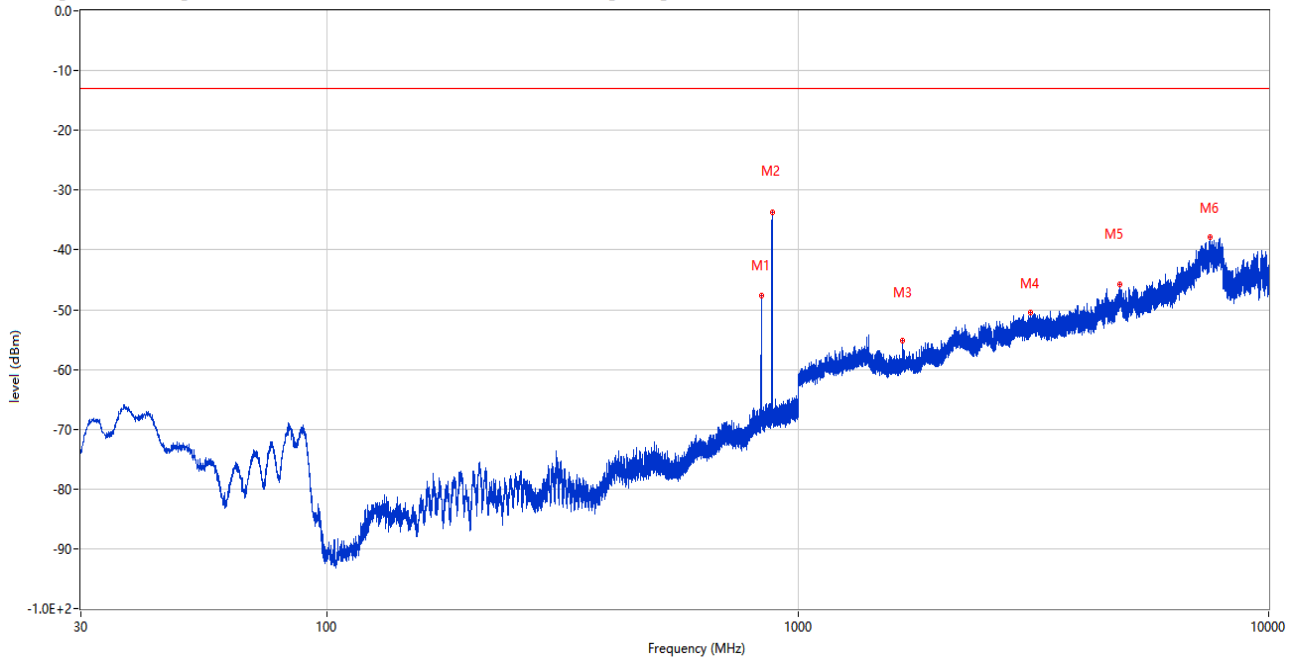


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.032	-65.72	-19.09	-13.0	52.72	100.00	Vertical	Vertical	Pass
838.010	-45.36	2.24	-13.0	32.36	162.00	Vertical	Vertical	N/A
879.865	-31.39	2.45	-13.0	18.39	360.00	Vertical	Vertical	N/A
2512.000	-50.55	0.39	-13.0	37.55	360.00	Vertical	Vertical	Pass
4843.750	-45.13	7.55	-13.0	32.13	188.00	Vertical	Vertical	Pass
7787.250	-37.36	15.58	-13.0	24.36	5.00	Vertical	Vertical	Pass



Band:WCDMA B5,Channel:Mid range

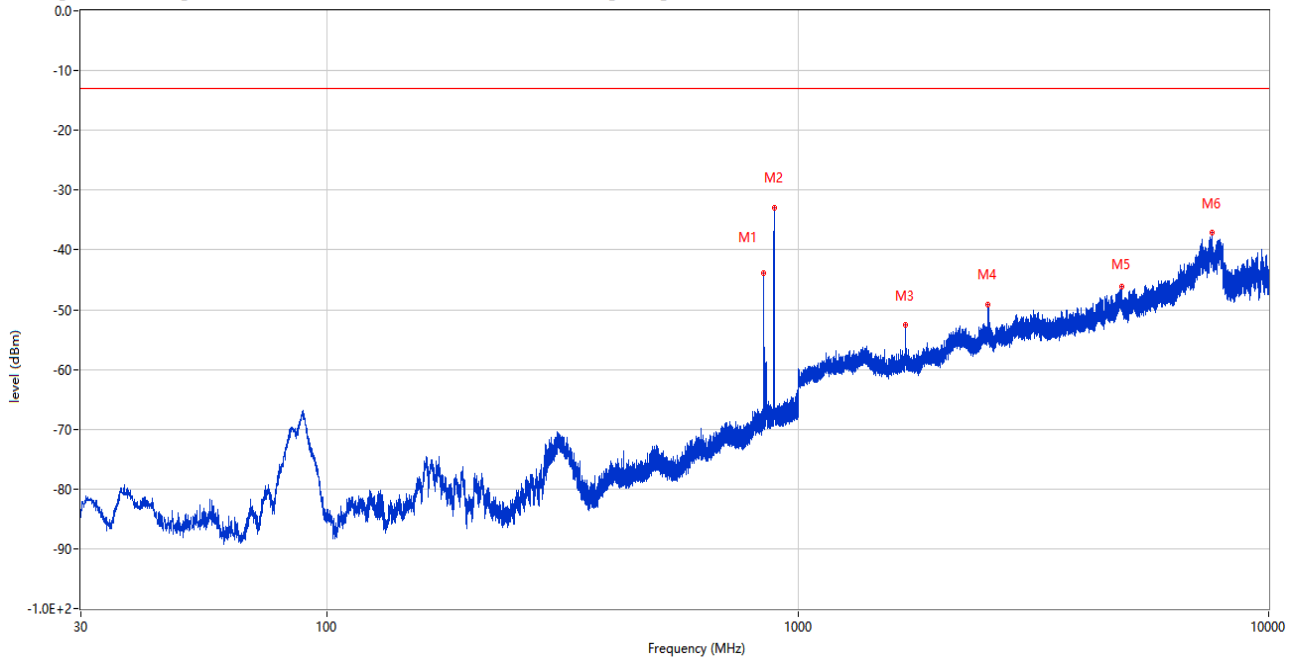
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
837.574	-47.63	2.23	-13.0	34.63	329.00	Vertical	Horizontal	N/A
882.873	-33.73	2.42	-13.0	20.73	132.00	Vertical	Horizontal	N/A
1672.000	-55.21	-5.05	-13.0	42.21	269.00	Vertical	Horizontal	Pass
3118.000	-50.55	3.88	-13.0	37.55	215.00	Vertical	Horizontal	Pass
4833.500	-45.85	7.62	-13.0	32.85	86.00	Vertical	Horizontal	Pass
7501.250	-37.87	16.39	-13.0	24.87	360.00	Vertical	Horizontal	Pass

Band:WCDMA B5,Channel:High range

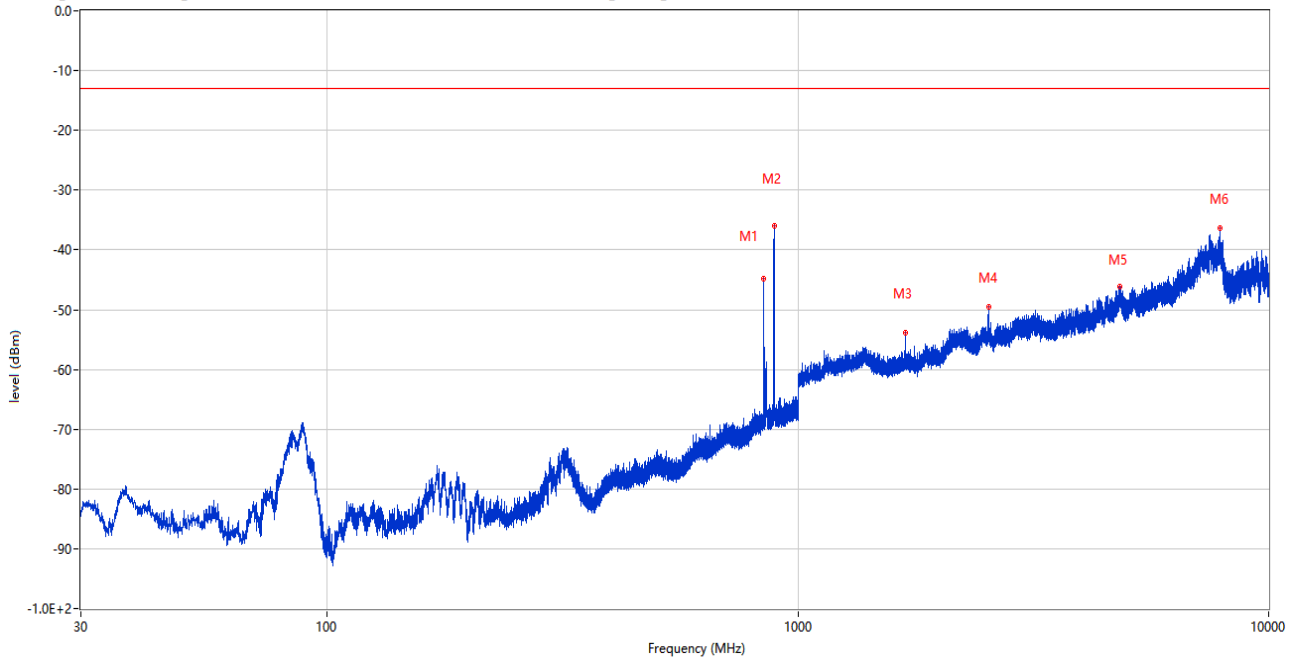
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
846.449	-43.79	2.37	-13.0	30.79	74.00	Horizontal	Horizontal	N/A
892.281	-32.95	2.25	-13.0	19.95	199.00	Horizontal	Horizontal	N/A
1695.800	-52.57	-5.42	-13.0	39.57	147.00	Horizontal	Horizontal	Pass
2537.300	-49.09	-0.00	-13.0	36.09	233.00	Horizontal	Horizontal	Pass
4866.250	-46.16	7.76	-13.0	33.16	239.00	Horizontal	Horizontal	Pass
7596.250	-37.15	16.46	-13.0	24.15	161.00	Horizontal	Horizontal	Pass

Band:WCDMA B5,Channel:High range

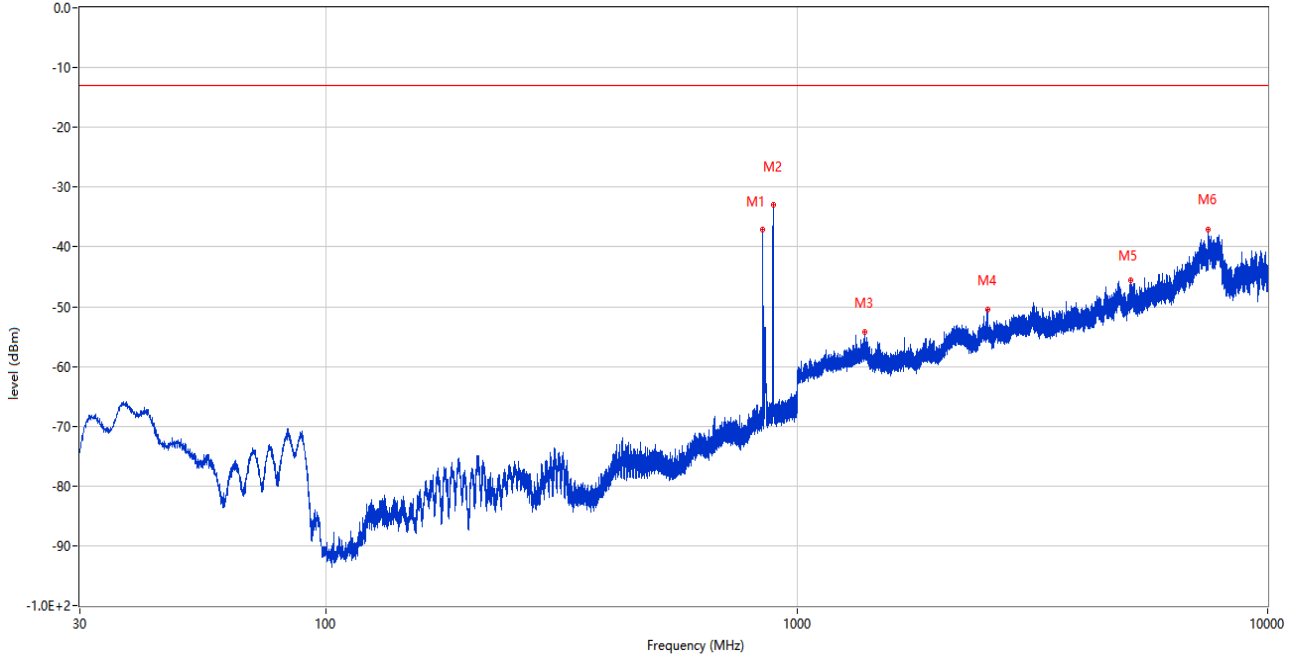
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
846.401	-44.91	2.37	-13.0	31.91	136.00	Horizontal	Vertical	N/A
892.912	-35.95	2.26	-13.0	22.95	199.00	Horizontal	Vertical	N/A
1695.200	-53.92	-5.39	-13.0	40.92	33.00	Horizontal	Vertical	Pass
2542.400	-49.56	0.15	-13.0	36.56	212.00	Horizontal	Vertical	Pass
4835.750	-46.07	7.61	-13.0	33.07	340.00	Horizontal	Vertical	Pass
7876.250	-36.36	17.13	-13.0	23.36	101.00	Horizontal	Vertical	Pass

Band:WCDMA B5,Channel:High range

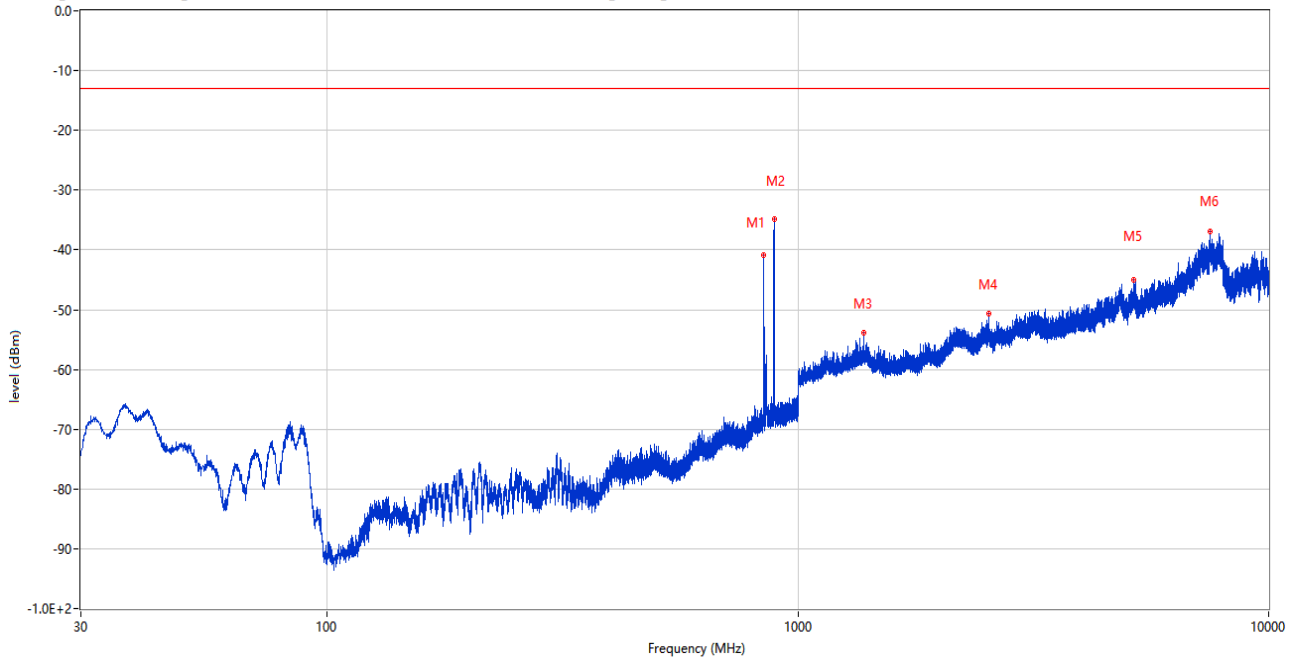
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
846.061	-37.01	2.36	-13.0	24.01	165.00	Vertical	Vertical	N/A
890.244	-33.04	2.34	-13.0	20.04	359.00	Vertical	Vertical	N/A
1393.300	-54.25	-3.93	-13.0	41.25	222.00	Vertical	Vertical	Pass
2540.000	-50.48	0.05	-13.0	37.48	2.00	Vertical	Vertical	Pass
5118.250	-45.64	7.61	-13.0	32.64	0.00	Vertical	Vertical	Pass
7489.000	-37.09	16.81	-13.0	24.09	162.00	Vertical	Vertical	Pass

Band:WCDMA B5,Channel:High range

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz



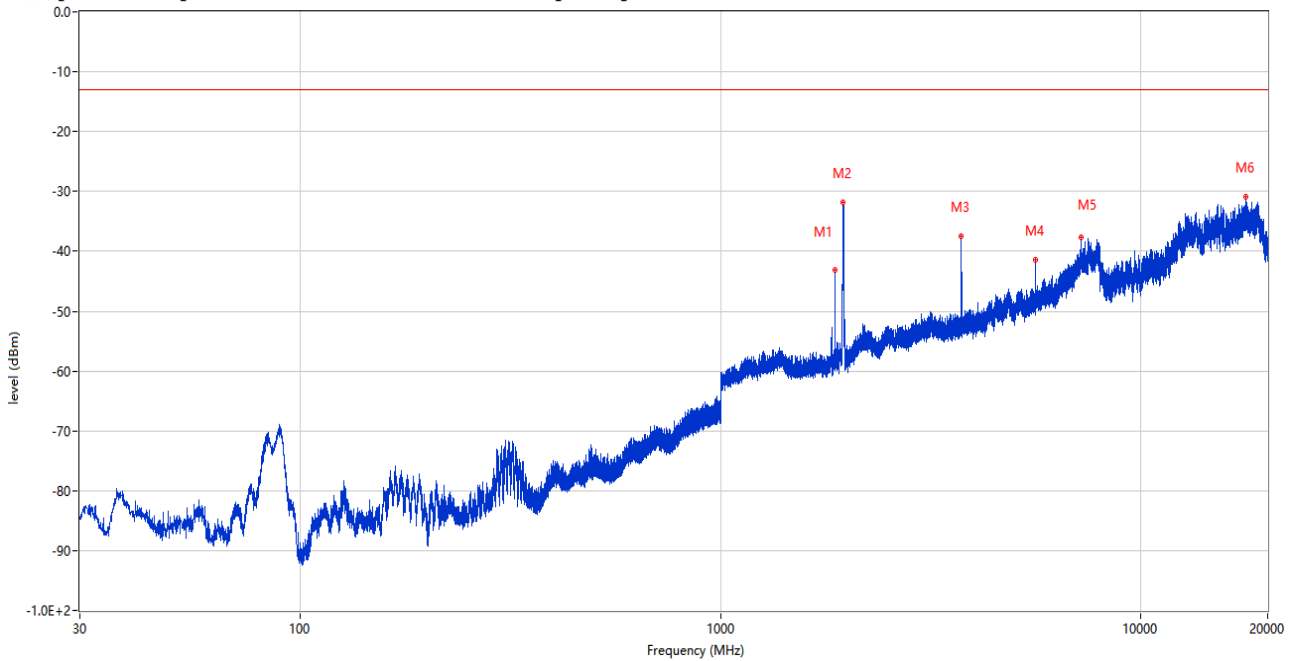
Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
845.721	-40.81	2.36	-13.0	27.81	337.00	Vertical	Horizontal	N/A
891.700	-34.78	2.28	-13.0	21.78	128.00	Vertical	Horizontal	N/A
1378.700	-53.95	-4.09	-13.0	40.95	212.00	Vertical	Horizontal	Pass
2543.900	-50.69	0.25	-13.0	37.69	274.00	Vertical	Horizontal	Pass
5166.000	-45.04	8.07	-13.0	32.04	25.00	Vertical	Horizontal	Pass
7496.500	-36.90	16.65	-13.0	23.90	360.00	Vertical	Horizontal	Pass

## 4. LTE

### 4.1 LTE Band 2

Band:LTE B2,Channel:Mid range,BW20

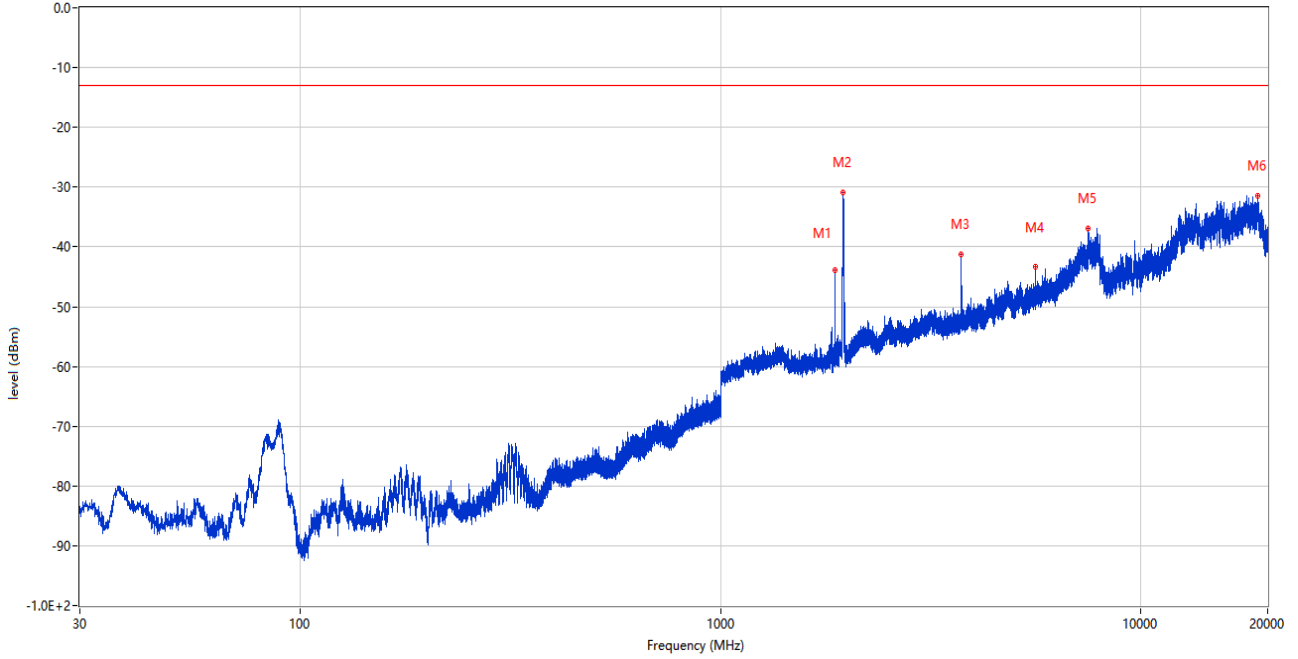
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25\_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1871.300	-43.09	-3.16	-13.0	30.09	166.00	Horizontal	Horizontal	N/A
1956.600	-31.89	-4.30	-13.0	18.89	273.00	Horizontal	Horizontal	N/A
3742.500	-37.56	4.66	-13.0	24.56	13.00	Horizontal	Horizontal	Pass
5614.000	-41.47	7.71	-13.0	28.47	196.00	Horizontal	Horizontal	Pass
7213.500	-37.57	14.65	-13.0	24.57	0.00	Horizontal	Horizontal	Pass
17793.462	-30.97	26.38	-13.0	17.97	22.00	Horizontal	Horizontal	Pass

Band:LTE B2,Channel:Mid range,BW20

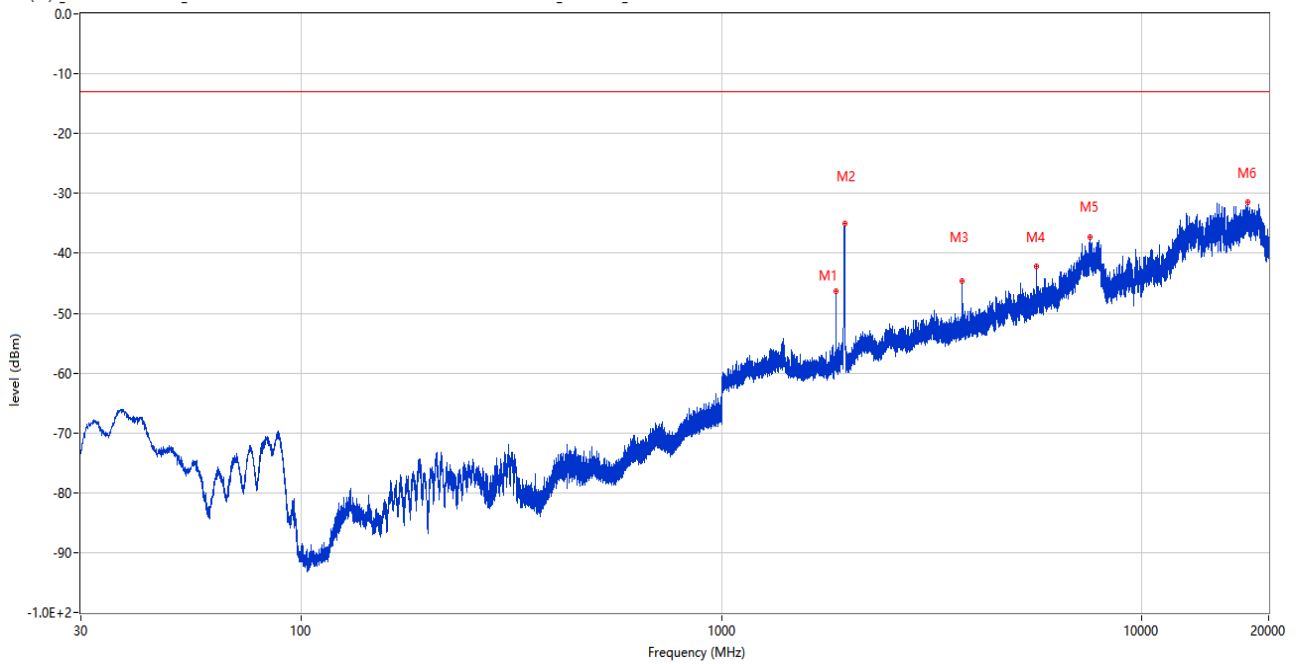
RSE (RF) \_FCC PART22&24&27\_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25 \_1830-1920\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1871.300	-43.92	-3.16	-13.0	30.92	206.00	Horizontal	Vertical	N/A
1953.200	-30.88	-4.36	-13.0	17.88	273.00	Horizontal	Vertical	N/A
3742.250	-41.22	4.68	-13.0	28.22	204.00	Horizontal	Vertical	Pass
5613.500	-43.29	7.73	-13.0	30.29	172.00	Horizontal	Vertical	Pass
7486.000	-36.91	16.72	-13.0	23.91	308.00	Horizontal	Vertical	Pass
18953.824	-31.36	24.00	-13.0	18.36	175.00	Horizontal	Vertical	Pass

Band:LTE B2,Channel:Mid range,BW20

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

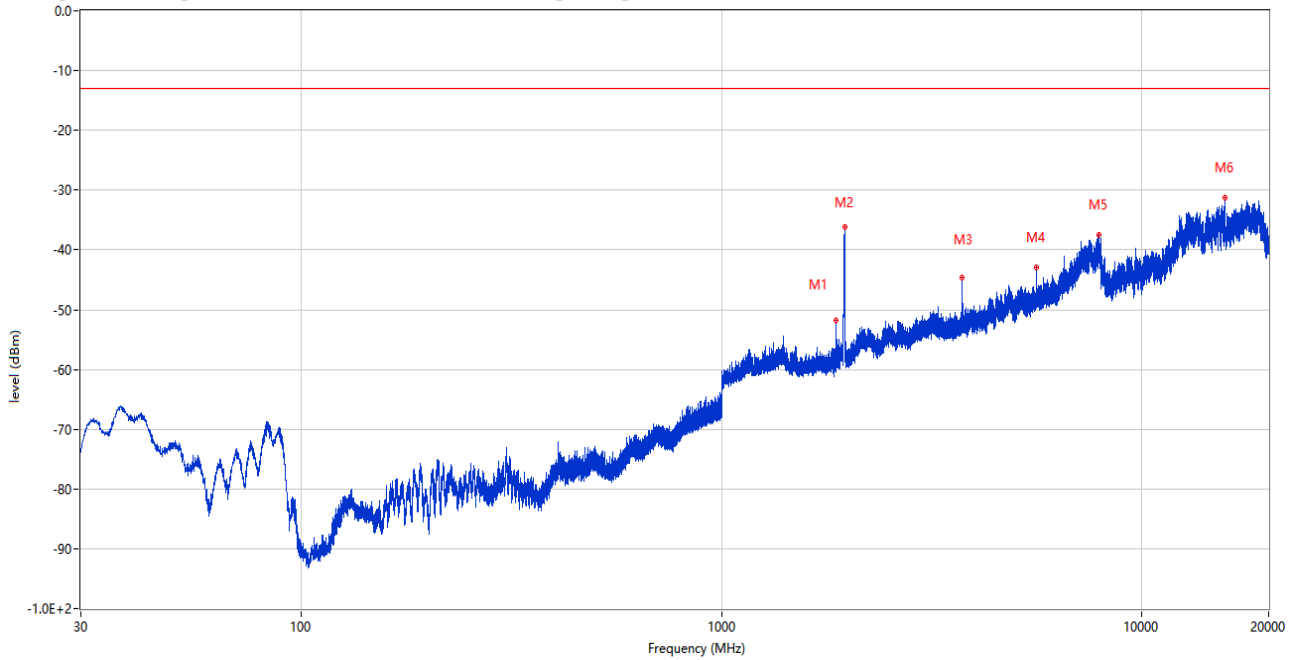


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1871.200	-46.40	-3.16	-13.0	33.40	274.00	Vertical	Vertical	N/A
1966.000	-35.12	-4.41	-13.0	22.12	274.00	Vertical	Vertical	N/A
3742.250	-44.65	4.68	-13.0	31.65	113.00	Vertical	Vertical	Pass
5613.250	-42.21	7.73	-13.0	29.21	113.00	Vertical	Vertical	Pass
7510.750	-37.30	15.84	-13.0	24.30	138.00	Vertical	Vertical	Pass
17814.125	-31.51	26.30	-13.0	18.51	174.00	Vertical	Vertical	Pass



Band:LTE B2,Channel:Mid range,BW20

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

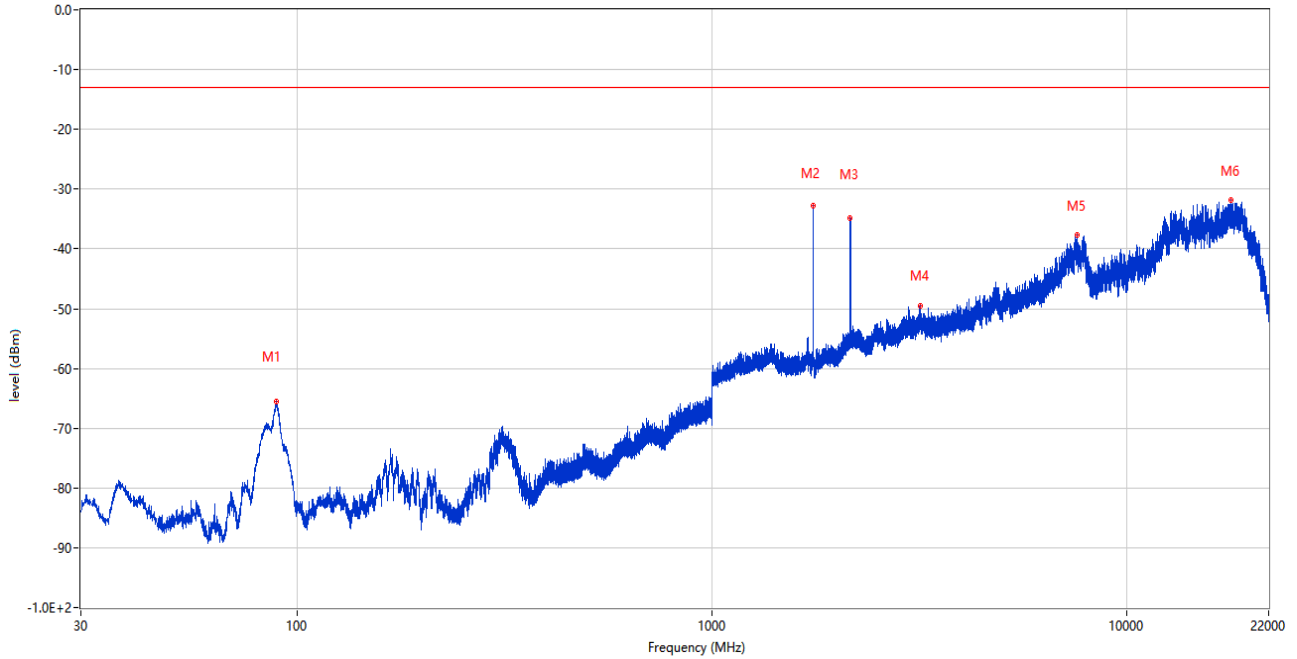


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1871.200	-51.80	-3.16	-13.0	38.80	338.00	Vertical	Horizontal	N/A
1965.100	-36.13	-4.23	-13.0	23.13	267.00	Vertical	Horizontal	N/A
3742.250	-44.64	4.68	-13.0	31.64	323.00	Vertical	Horizontal	Pass
5613.250	-42.90	7.73	-13.0	29.90	56.00	Vertical	Horizontal	Pass
7879.000	-37.45	17.05	-13.0	24.45	356.00	Vertical	Horizontal	Pass
15726.488	-31.25	23.61	-13.0	18.25	98.00	Vertical	Horizontal	Pass

## 4.2 LTE Band 4

Band:LTE B4,Channel:High range,BW1.4

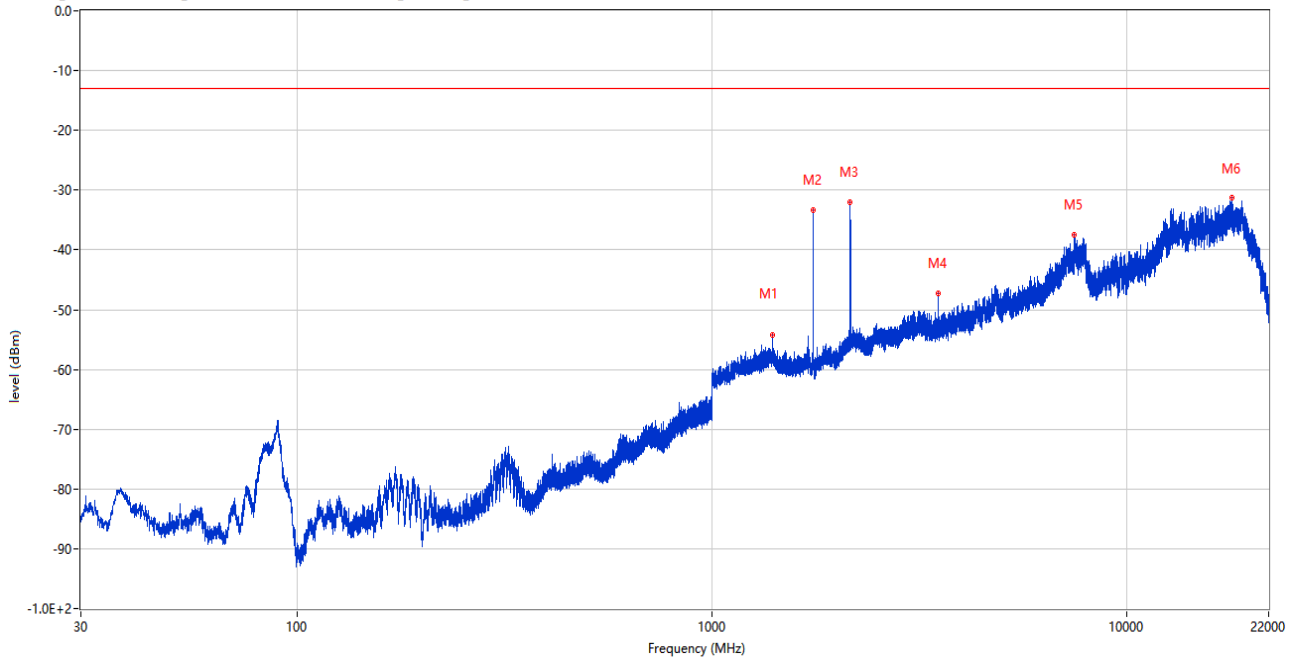
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
88.976	-65.63	-19.63	-13.0	52.63	155.00	Horizontal	Horizontal	Pass
1754.100	-32.81	-4.19	-13.0	19.81	358.00	Horizontal	Horizontal	N/A
2154.800	-34.85	-1.17	-13.0	21.85	236.00	Horizontal	Horizontal	N/A
3184.500	-49.48	4.35	-13.0	36.48	208.00	Horizontal	Horizontal	Pass
7575.000	-37.73	15.38	-13.0	24.73	313.00	Horizontal	Horizontal	Pass
17828.250	-31.90	26.13	-13.0	18.90	200.00	Horizontal	Horizontal	Pass

Band:LTE B4,Channel:High range,BW1.4

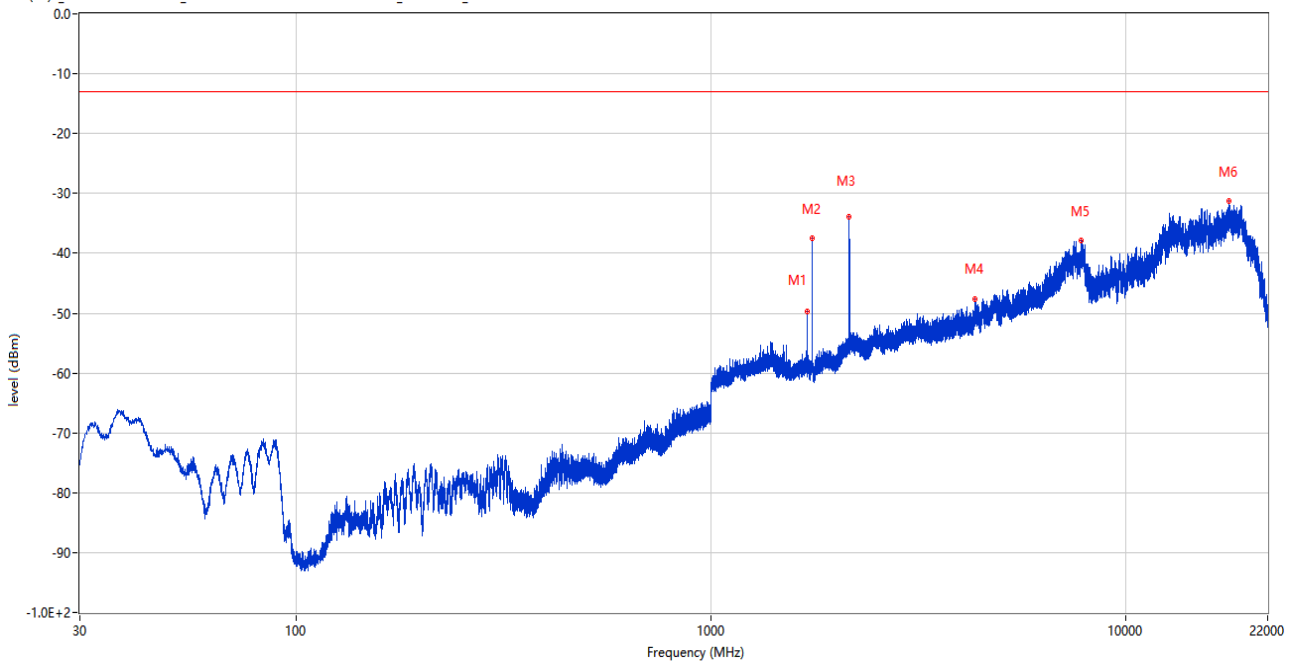
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1399.700	-54.30	-3.82	-13.0	41.30	311.00	Horizontal	Vertical	Pass
1754.100	-33.26	-4.19	-13.0	20.26	190.00	Horizontal	Vertical	N/A
2154.400	-32.01	-1.18	-13.0	19.01	140.00	Horizontal	Vertical	N/A
3507.750	-47.19	3.57	-13.0	34.19	169.00	Horizontal	Vertical	Pass
7486.250	-37.42	16.74	-13.0	24.42	195.00	Horizontal	Vertical	Pass
17899.938	-31.33	25.47	-13.0	18.33	327.00	Horizontal	Vertical	Pass

Band:LTE B4,Channel:High range,BW1.4

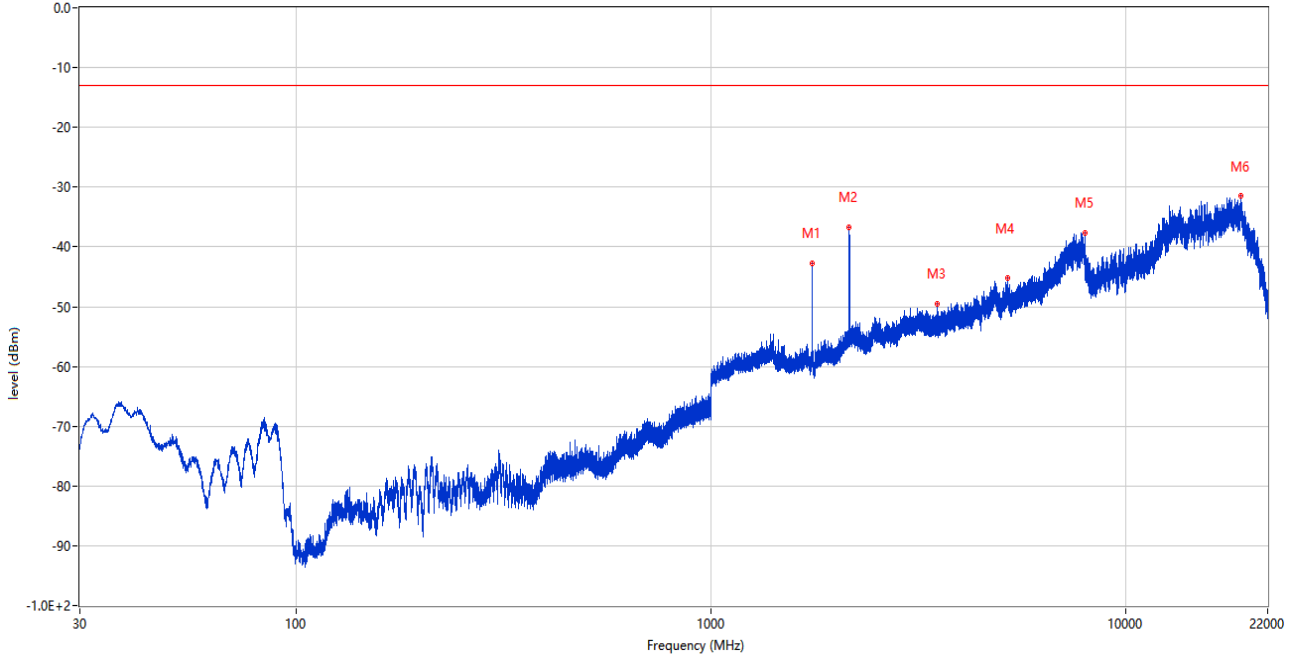
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1702.300	-49.76	-3.96	-13.0	36.76	18.00	Vertical	Vertical	Pass
1754.100	-37.56	-4.19	-13.0	24.56	69.00	Vertical	Vertical	N/A
2154.500	-33.91	-1.18	-13.0	20.91	322.00	Vertical	Vertical	N/A
4335.500	-47.68	6.92	-13.0	34.68	127.00	Vertical	Vertical	Pass
7806.250	-37.94	16.36	-13.0	24.94	84.00	Vertical	Vertical	Pass
17782.000	-31.29	26.23	-13.0	18.29	279.00	Vertical	Vertical	Pass

Band:LTE B4,Channel:High range,BW1.4

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

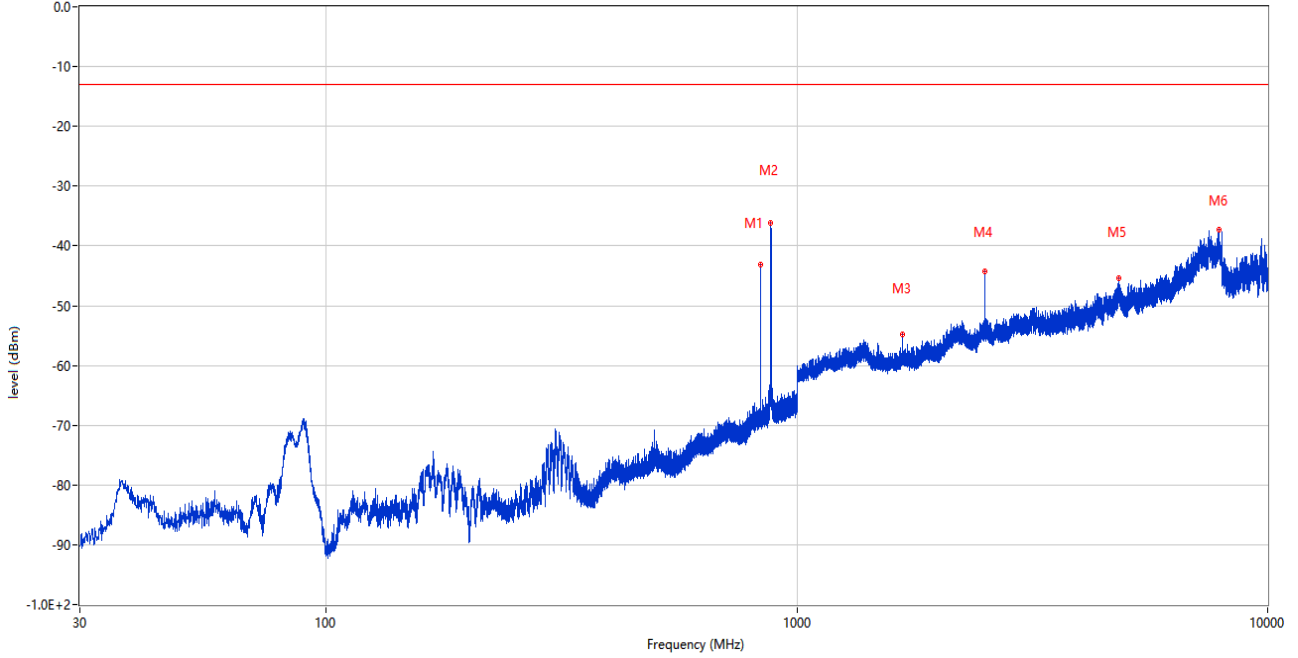


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1754.000	-42.70	-4.19	-13.0	29.70	331.00	Vertical	Horizontal	N/A
2154.300	-36.64	-1.18	-13.0	23.64	207.00	Vertical	Horizontal	N/A
3507.750	-49.46	3.57	-13.0	36.46	206.00	Vertical	Horizontal	Pass
5201.000	-45.24	8.45	-13.0	32.24	147.00	Vertical	Horizontal	Pass
7994.750	-37.63	17.13	-13.0	24.63	189.00	Vertical	Horizontal	Pass
18979.875	-31.51	23.98	-13.0	18.51	315.00	Vertical	Horizontal	Pass

### 4.3 LTE Band 5

Band:LTE B5,Channel:Mid range,BW5

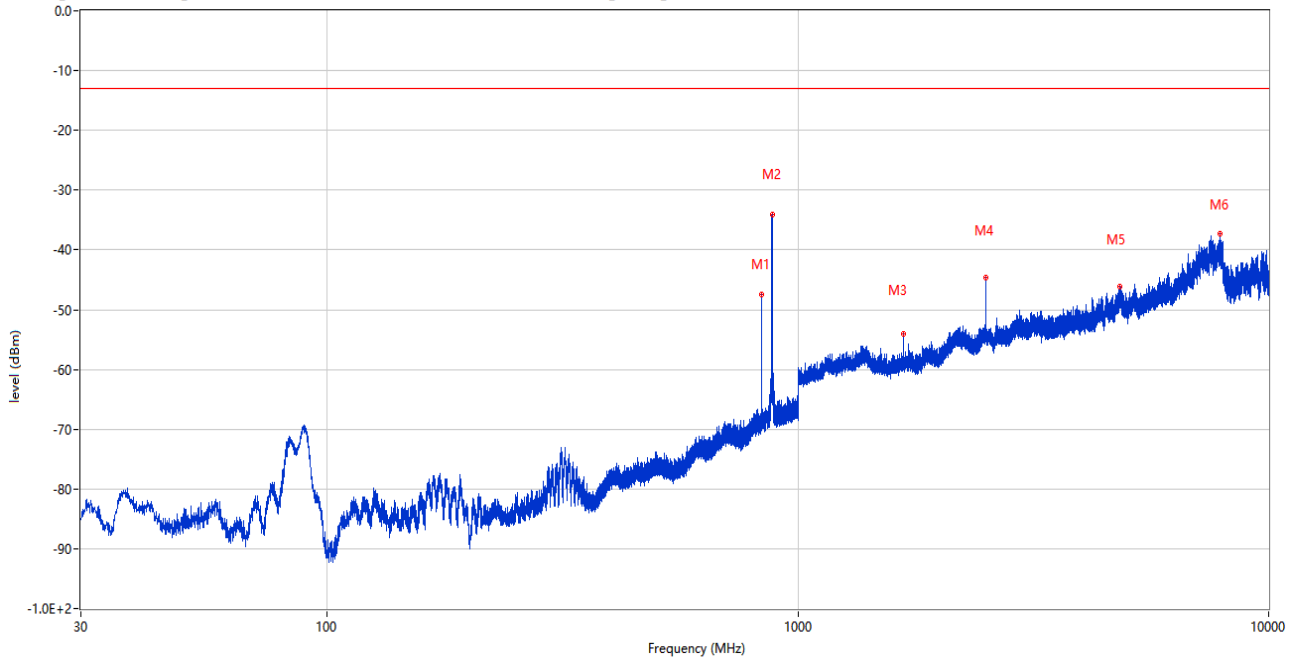
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19 \_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.604	-43.04	2.21	-13.0	30.04	71.00	Horizontal	Horizontal	N/A
879.623	-36.07	2.45	-13.0	23.07	176.00	Horizontal	Horizontal	N/A
1674.000	-54.73	-5.08	-13.0	41.73	146.00	Horizontal	Horizontal	Pass
2510.300	-44.21	0.40	-13.0	31.21	204.00	Horizontal	Horizontal	Pass
4837.000	-45.42	7.60	-13.0	32.42	329.00	Horizontal	Horizontal	Pass
7876.500	-37.35	17.14	-13.0	24.35	202.00	Horizontal	Horizontal	Pass

Band:LTE B5,Channel:Mid range,BW5

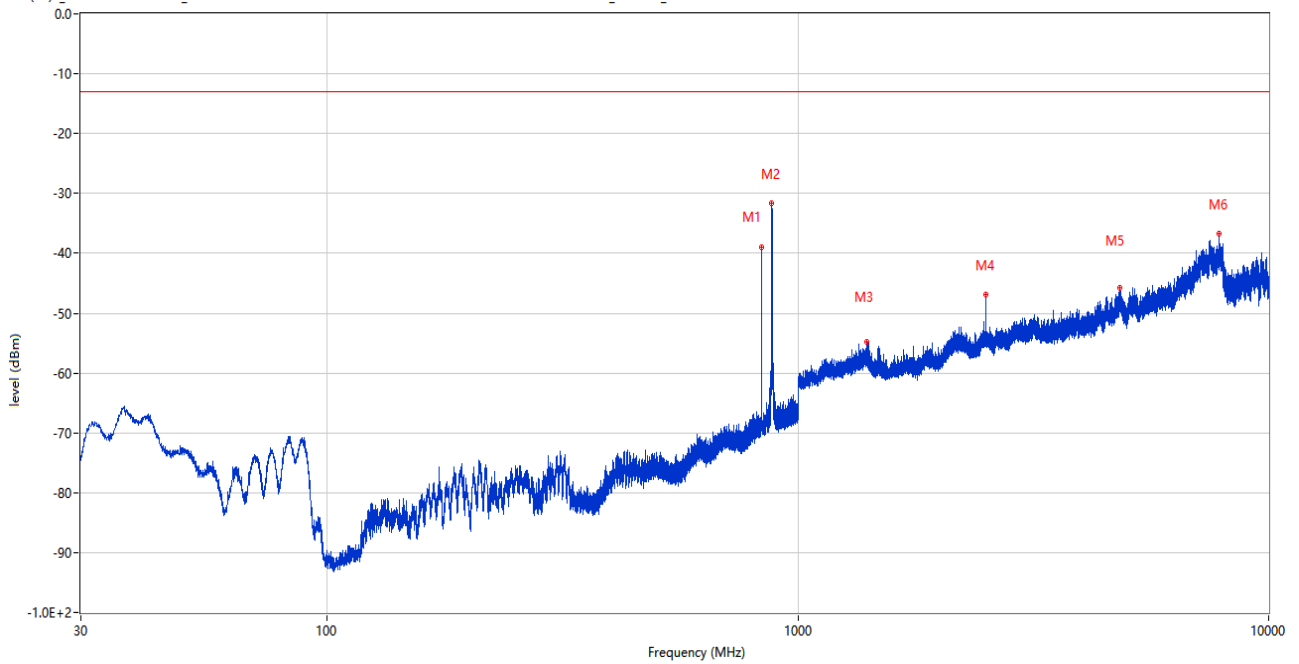
RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19 \_814-849\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.652	-47.47	2.21	-13.0	34.47	174.00	Horizontal	Vertical	N/A
881.321	-34.12	2.45	-13.0	21.12	178.00	Horizontal	Vertical	N/A
1673.600	-54.08	-5.08	-13.0	41.08	258.00	Horizontal	Vertical	Pass
2510.300	-44.67	0.40	-13.0	31.67	192.00	Horizontal	Vertical	Pass
4836.500	-46.14	7.60	-13.0	33.14	340.00	Horizontal	Vertical	Pass
7866.500	-37.34	16.95	-13.0	24.34	97.00	Horizontal	Vertical	Pass

Band:LTE B5,Channel:Mid range,BW5

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

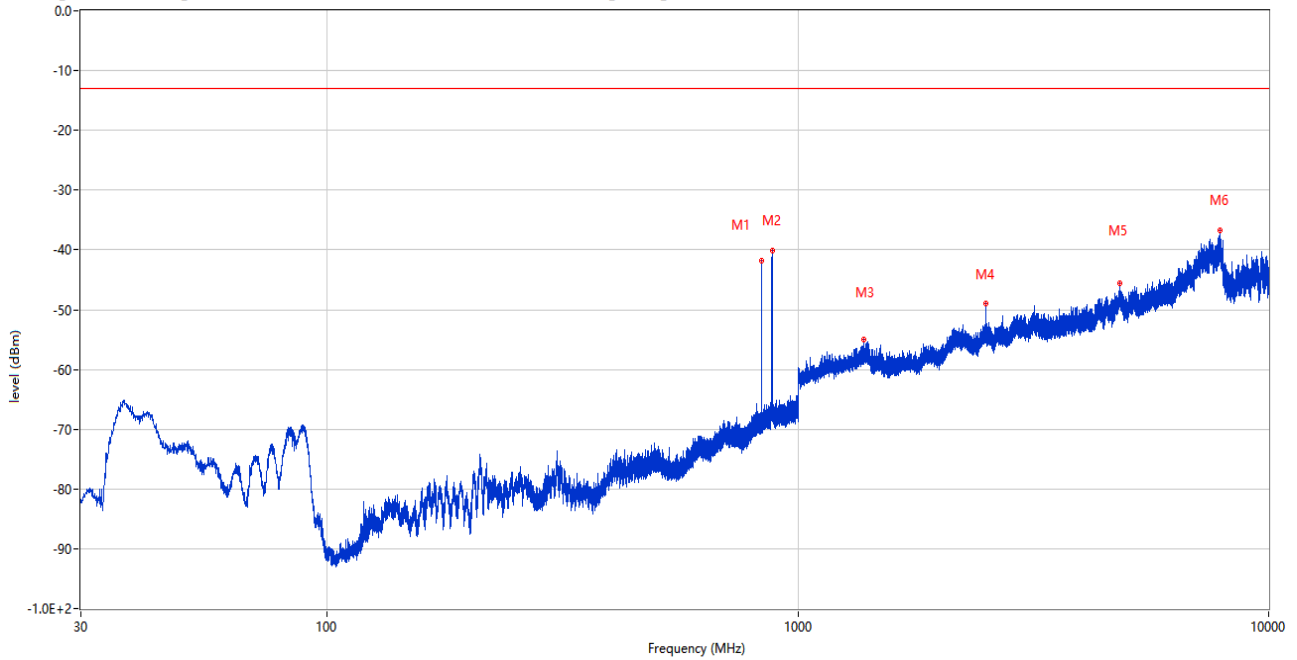


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.700	-38.95	2.21	-13.0	25.95	156.00	Vertical	Vertical	N/A
880.447	-31.72	2.45	-13.0	18.72	360.00	Vertical	Vertical	N/A
1403.800	-54.85	-4.20	-13.0	41.85	230.00	Vertical	Vertical	Pass
2510.200	-46.97	0.40	-13.0	33.97	204.00	Vertical	Vertical	Pass
4826.750	-45.73	7.65	-13.0	32.73	95.00	Vertical	Vertical	Pass
7863.750	-36.82	16.82	-13.0	23.82	1.00	Vertical	Vertical	Pass



Band:LTE B5,Channel:Mid range,BW5

RSE (RF) \_FCC PART22&24&27\_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 & 18 & 19\_814-849\_30MHz-10GHz

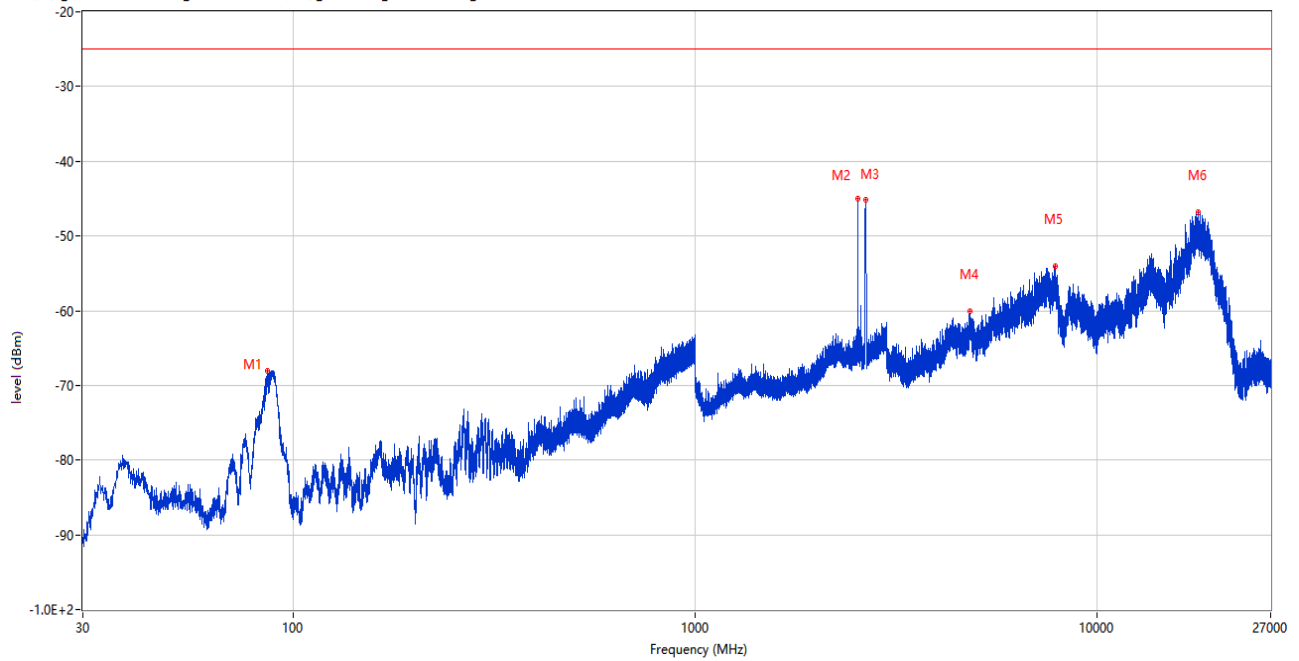


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
836.700	-41.80	2.21	-13.0	28.80	322.00	Vertical	Horizontal	N/A
882.582	-40.11	2.42	-13.0	27.11	164.00	Vertical	Horizontal	N/A
1378.200	-54.91	-4.12	-13.0	41.91	208.00	Vertical	Horizontal	Pass
2510.600	-49.05	0.40	-13.0	36.05	188.00	Vertical	Horizontal	Pass
4826.750	-45.51	7.65	-13.0	32.51	110.00	Vertical	Horizontal	Pass
7867.250	-36.65	16.98	-13.0	23.65	151.00	Vertical	Horizontal	Pass

## 4.4 LTE Band 7

Band:LTE B7,Channel:Mid range,BW20

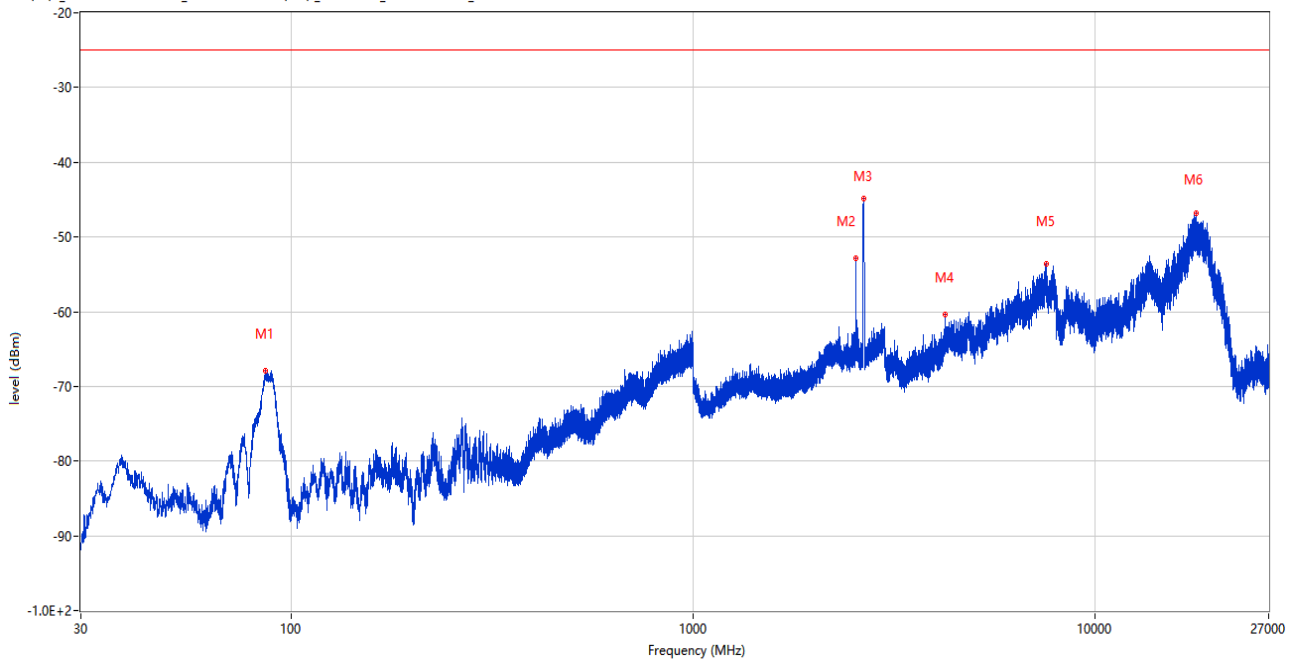
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low)\_2496-2570\_30MHz-27GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
86.551	-68.11	-19.94	-25.0	43.11	360.00	Horizontal	Horizontal	Pass
2535.200	-45.07	-9.50	-25.0	20.07	360.00	Horizontal	Horizontal	N/A
2652.200	-45.12	-10.55	-25.0	20.12	232.00	Horizontal	Horizontal	N/A
4832.000	-60.06	-6.29	-25.0	35.06	152.00	Horizontal	Horizontal	Pass
7876.000	-54.04	1.05	-25.0	29.04	360.00	Horizontal	Horizontal	Pass
17785.537	-46.80	10.45	-25.0	21.80	35.00	Horizontal	Horizontal	Pass

Band:LTE B7,Channel:Mid range,BW20

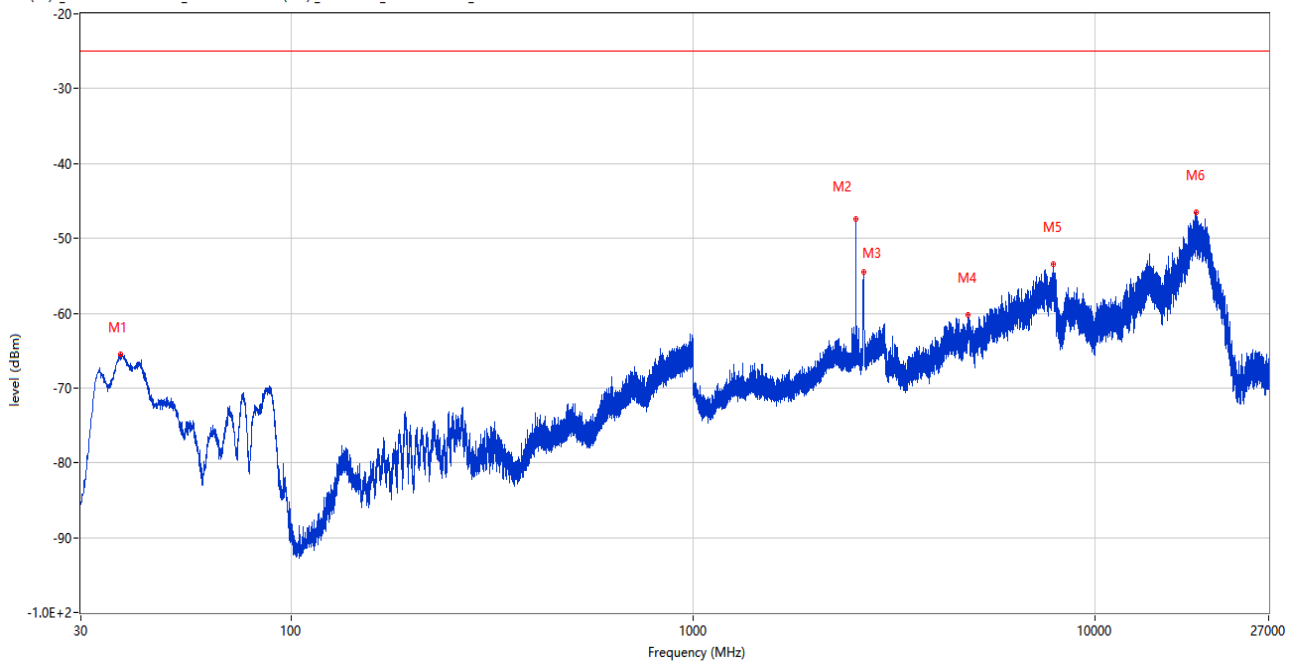
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
86.406	-67.93	-20.02	-25.0	42.93	360.00	Horizontal	Vertical	Pass
2535.200	-52.83	-9.50	-25.0	27.83	244.00	Horizontal	Vertical	N/A
2653.400	-44.88	-10.68	-25.0	19.88	232.00	Horizontal	Vertical	N/A
4226.750	-60.43	-6.72	-25.0	35.43	73.00	Horizontal	Vertical	Pass
7547.500	-53.57	0.41	-25.0	28.57	321.00	Horizontal	Vertical	Pass
17785.537	-46.85	10.45	-25.0	21.85	0.00	Horizontal	Vertical	Pass

Band:LTE B7,Channel:Mid range,BW20

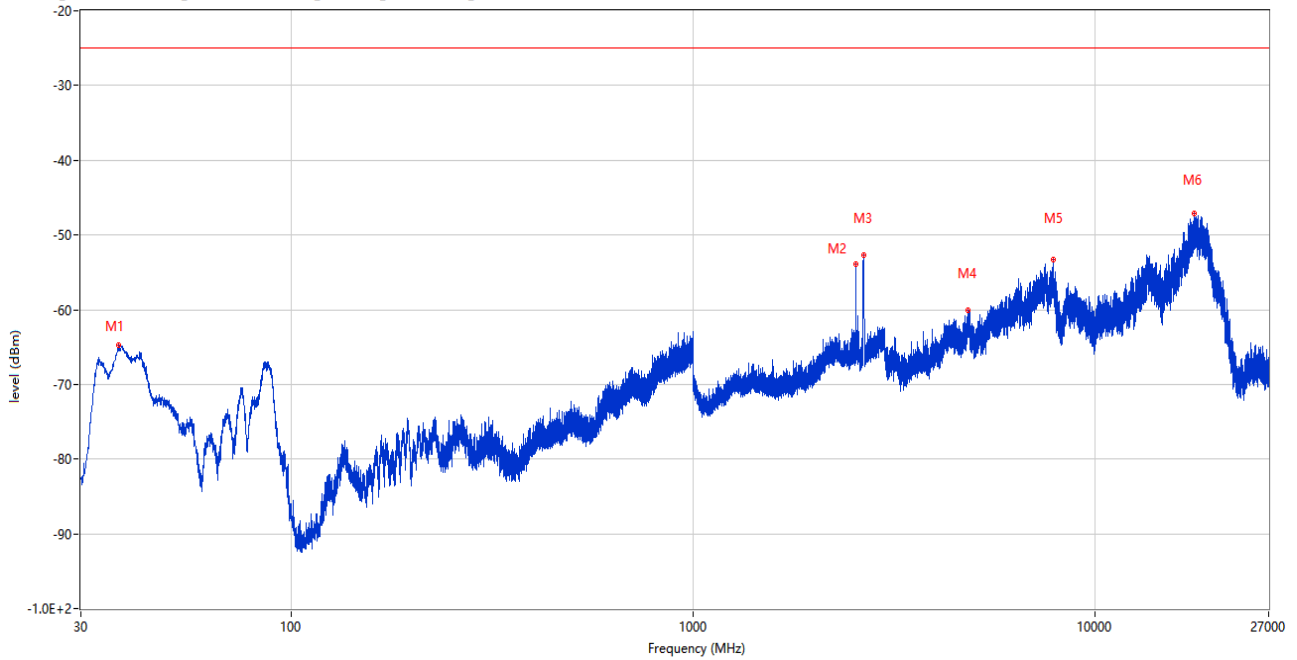
RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.663	-65.46	-18.72	-25.0	40.46	78.00	Vertical	Vertical	Pass
2535.300	-47.35	-9.49	-25.0	22.35	285.00	Vertical	Vertical	N/A
2660.100	-54.52	-10.90	-25.0	29.52	242.00	Vertical	Vertical	N/A
4819.500	-60.29	-6.23	-25.0	35.29	112.00	Vertical	Vertical	Pass
7846.500	-53.40	0.47	-25.0	28.40	345.00	Vertical	Vertical	Pass
17876.625	-46.48	10.66	-25.0	21.48	220.00	Vertical	Vertical	Pass

Band:LTE B7,Channel:Mid range,BW20

RSE (RF) \_FCC PART22&24&27\_LTE Band 7 & 41(low) \_2496-2570\_30MHz-27GHz\_

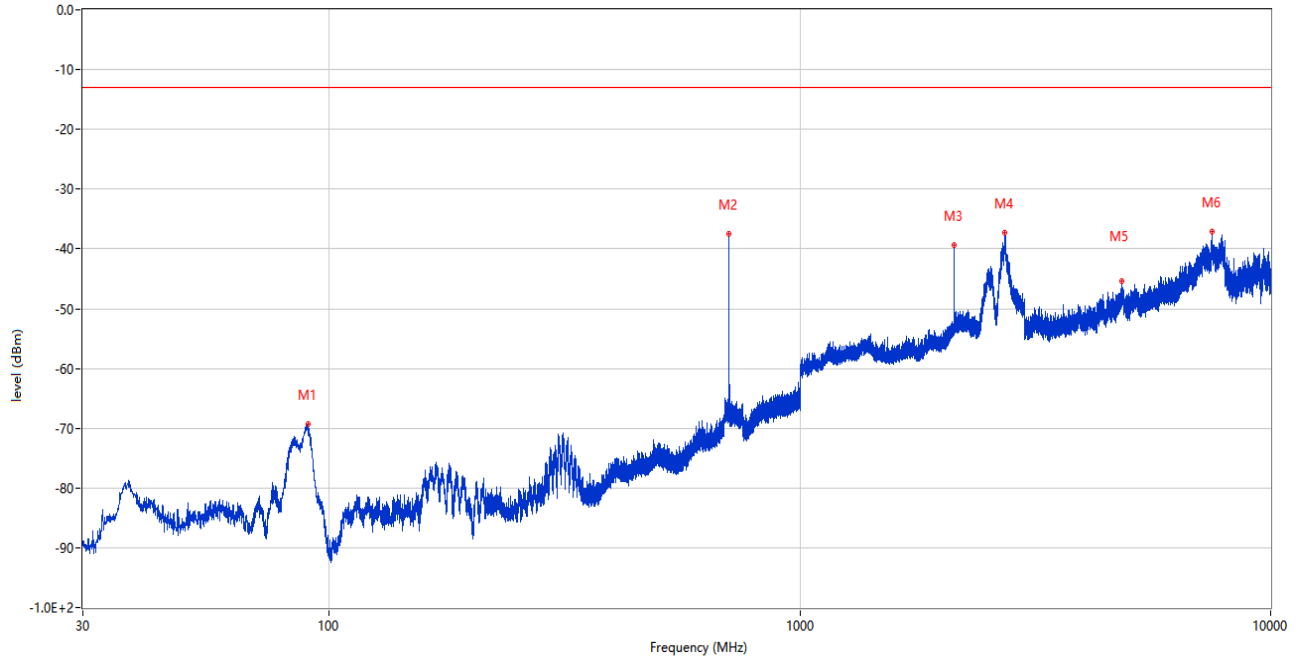


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.324	-64.81	-18.81	-25.0	39.81	52.00	Vertical	Horizontal	Pass
2535.300	-53.85	-9.49	-25.0	28.85	31.00	Vertical	Horizontal	N/A
2654.400	-52.69	-10.78	-25.0	27.69	351.00	Vertical	Horizontal	N/A
4834.750	-60.04	-6.22	-25.0	35.04	45.00	Vertical	Horizontal	Pass
7857.250	-53.29	0.93	-25.0	28.29	16.00	Vertical	Horizontal	Pass
17623.050	-47.13	10.47	-25.0	22.13	152.00	Vertical	Horizontal	Pass

## 4.5 LTE Band 12

Band:LTE B12,Channel:Mid range,BW10

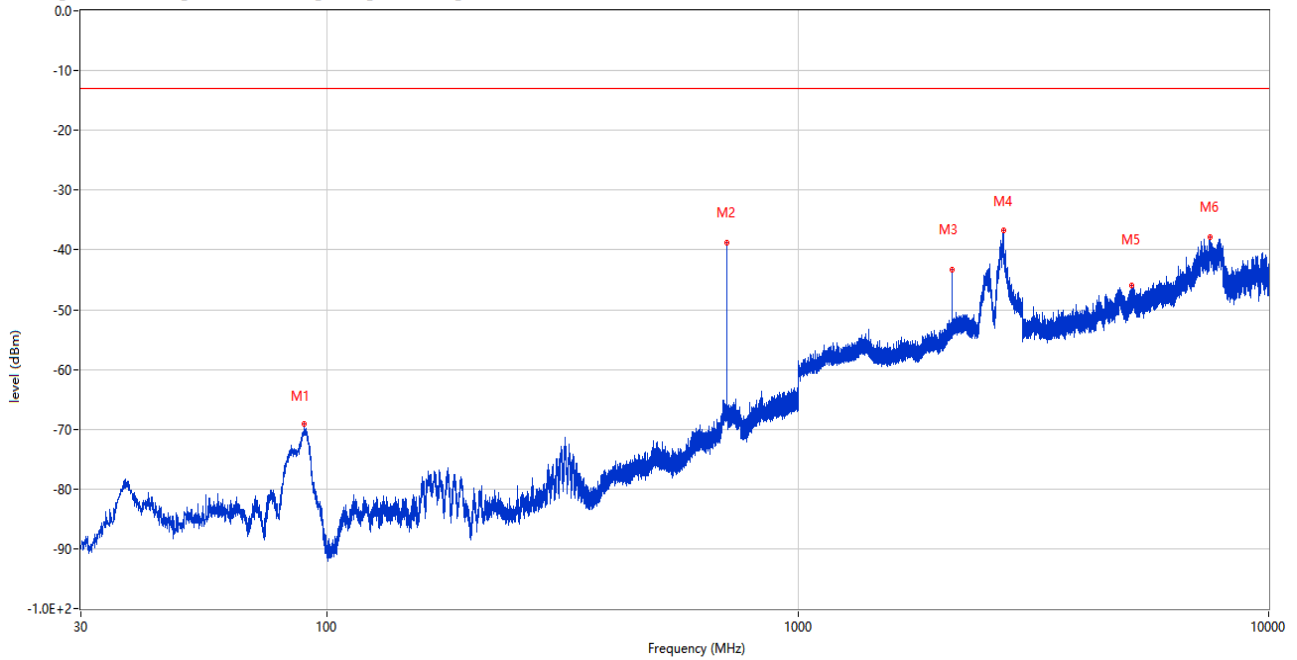
RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28\_699-747\_30MHz-10GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
90.188	-69.35	-19.50	-13.0	56.35	165.00	Horizontal	Horizontal	Pass
707.642	-37.54	3.20	-13.0	24.54	60.00	Horizontal	Horizontal	N/A
2123.000	-39.41	0.61	-13.0	26.41	203.00	Horizontal	Horizontal	Pass
2729.800	-37.34	19.43	-13.0	24.34	349.00	Horizontal	Horizontal	Pass
4828.000	-45.43	7.64	-13.0	32.43	8.00	Horizontal	Horizontal	Pass
7494.750	-37.18	16.77	-13.0	24.18	56.00	Horizontal	Horizontal	Pass

Band:LTE B12,Channel:Mid range,BW10

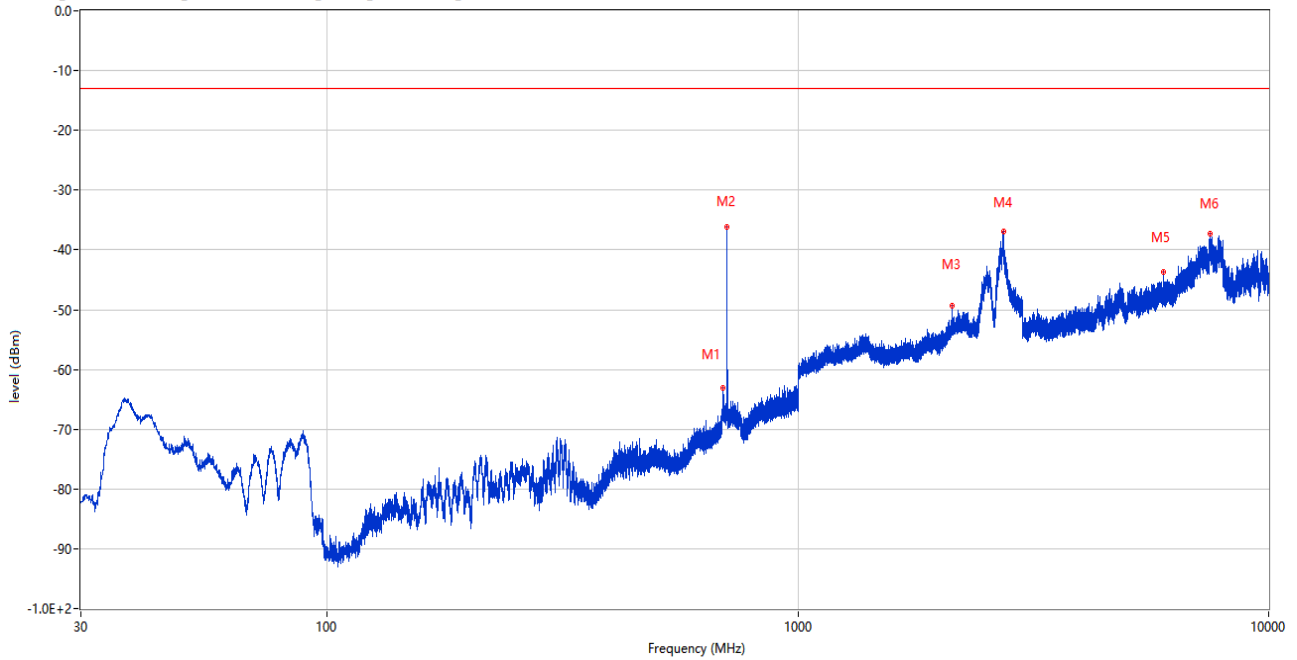
RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28\_699-747\_30MHz-10GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
89.364	-69.18	-19.31	-13.0	56.18	175.00	Horizontal	Vertical	Pass
707.594	-38.76	3.20	-13.0	25.76	207.00	Horizontal	Vertical	N/A
2122.900	-43.40	0.59	-13.0	30.40	21.00	Horizontal	Vertical	Pass
2730.800	-36.74	19.47	-13.0	23.74	0.00	Horizontal	Vertical	Pass
5111.750	-45.97	7.52	-13.0	32.97	297.00	Horizontal	Vertical	Pass
7497.500	-37.85	16.58	-13.0	24.85	61.00	Horizontal	Vertical	Pass

Band:LTE B12,Channel:Mid range,BW10

RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28\_699-747\_30MHz-10GHz\_

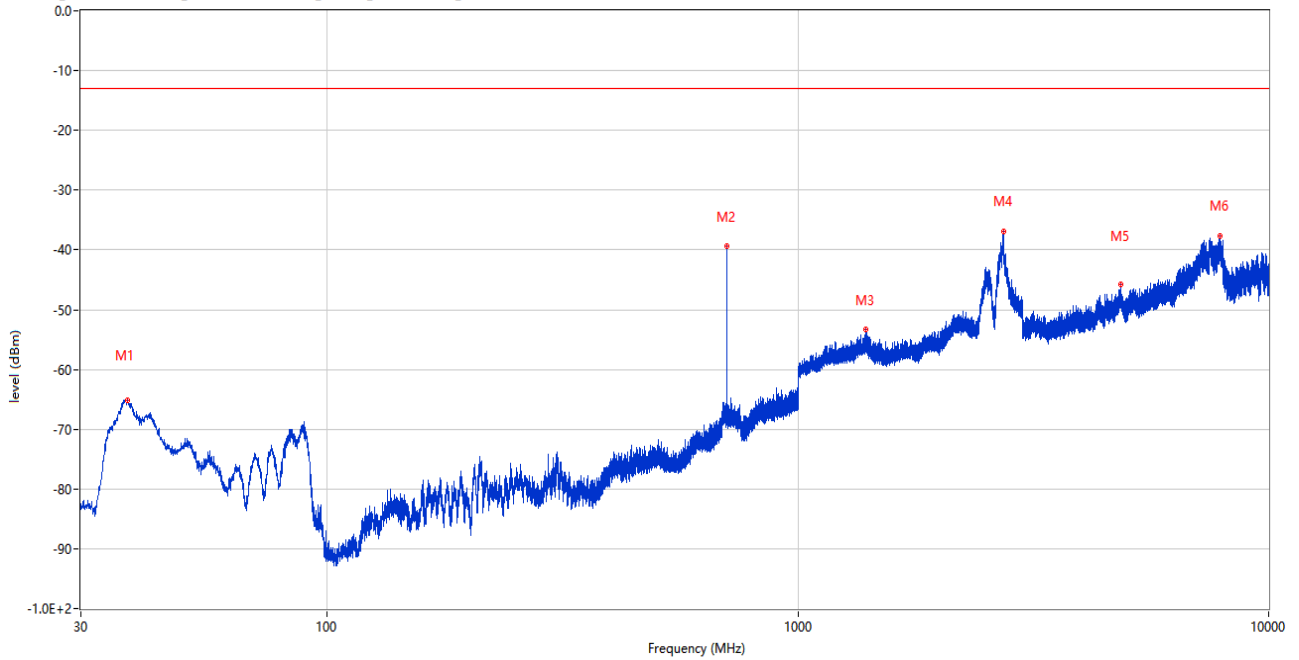


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
692.946	-63.18	2.80	-13.0	50.18	313.00	Vertical	Vertical	N/A
707.545	-36.20	3.20	-13.0	23.20	323.00	Vertical	Vertical	N/A
2123.100	-49.43	0.62	-13.0	36.43	82.00	Vertical	Vertical	Pass
2732.800	-37.00	19.31	-13.0	24.00	270.00	Vertical	Vertical	Pass
5976.000	-43.65	8.39	-13.0	30.65	21.00	Vertical	Vertical	Pass
7502.500	-37.30	16.29	-13.0	24.30	21.00	Vertical	Vertical	Pass



Band:LTE B12,Channel:Mid range,BW10

RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28\_699-747\_30MHz-10GHz\_

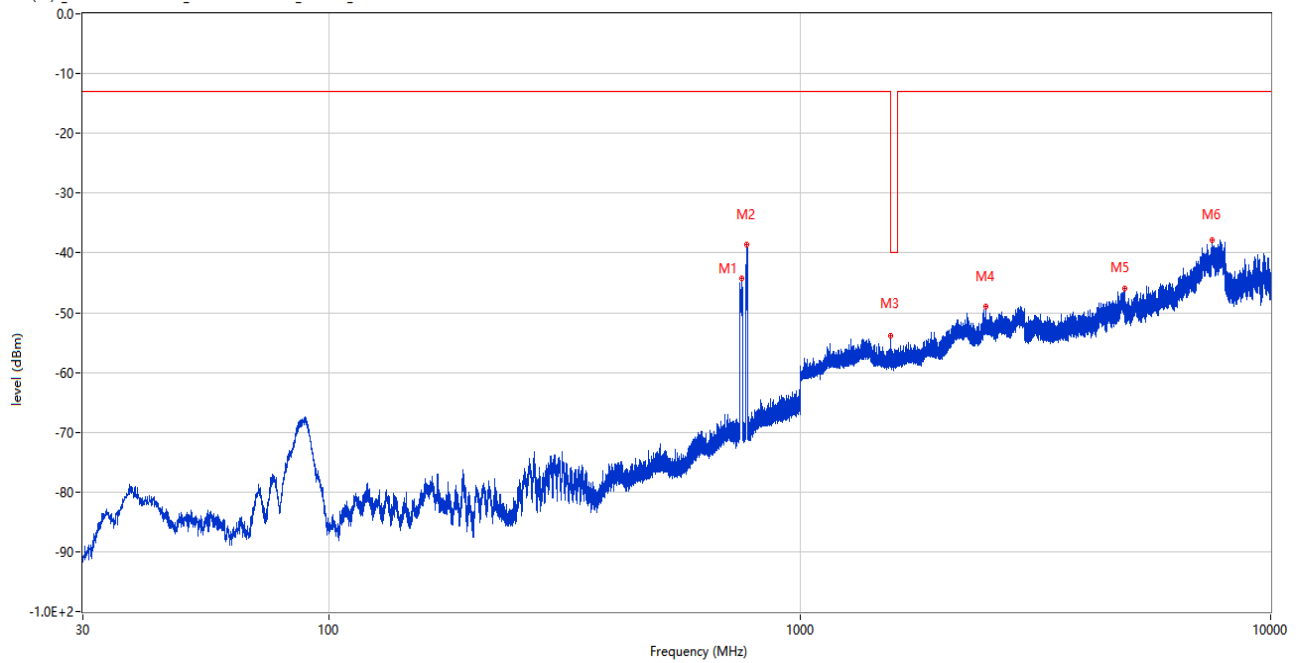


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
37.614	-65.25	-18.79	-13.0	52.25	83.00	Vertical	Horizontal	Pass
707.545	-39.41	3.20	-13.0	26.41	345.00	Vertical	Horizontal	N/A
1396.200	-53.38	-2.43	-13.0	40.38	223.00	Vertical	Horizontal	Pass
2731.500	-36.84	19.42	-13.0	23.84	13.00	Vertical	Horizontal	Pass
4857.250	-45.82	7.87	-13.0	32.82	211.00	Vertical	Horizontal	Pass
7879.000	-37.64	17.05	-13.0	24.64	115.00	Vertical	Horizontal	Pass

## 4.6 LTE Band 13

Band:LTE B13,Channel:Mid range,BW10

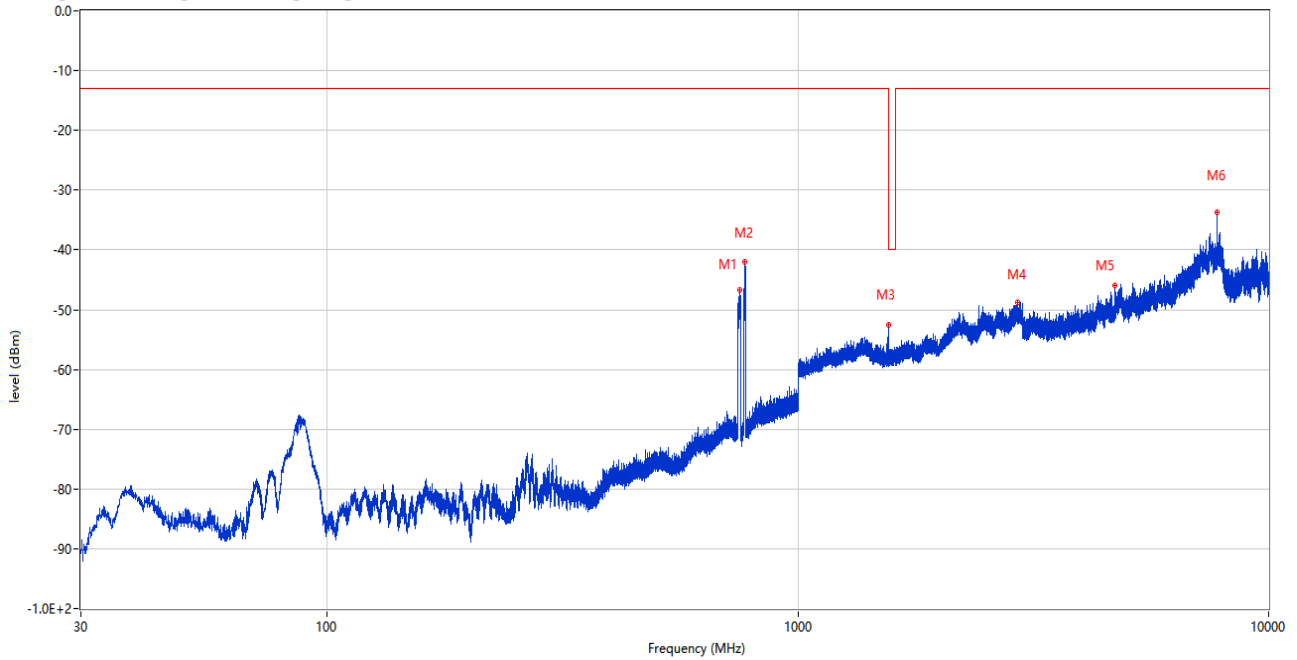
RSE (RF) \_FCC PART22&24&27\_LTE Band 13 & 14\_699-748\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
751.292	-44.31	-0.18	-13.0	31.31	221.00	Horizontal	Horizontal	N/A
772.923	-38.55	0.61	-13.0	25.55	313.00	Horizontal	Horizontal	N/A
1555.200	-53.95	-4.58	-13.0	40.95	339.00	Horizontal	Horizontal	Pass
2479.900	-48.97	1.96	-13.0	35.97	104.00	Horizontal	Horizontal	Pass
4892.750	-45.97	7.19	-13.0	32.97	180.00	Horizontal	Horizontal	Pass
7518.000	-37.85	15.89	-13.0	24.85	228.00	Horizontal	Horizontal	Pass

Band:LTE B13,Channel:Mid range,BW10

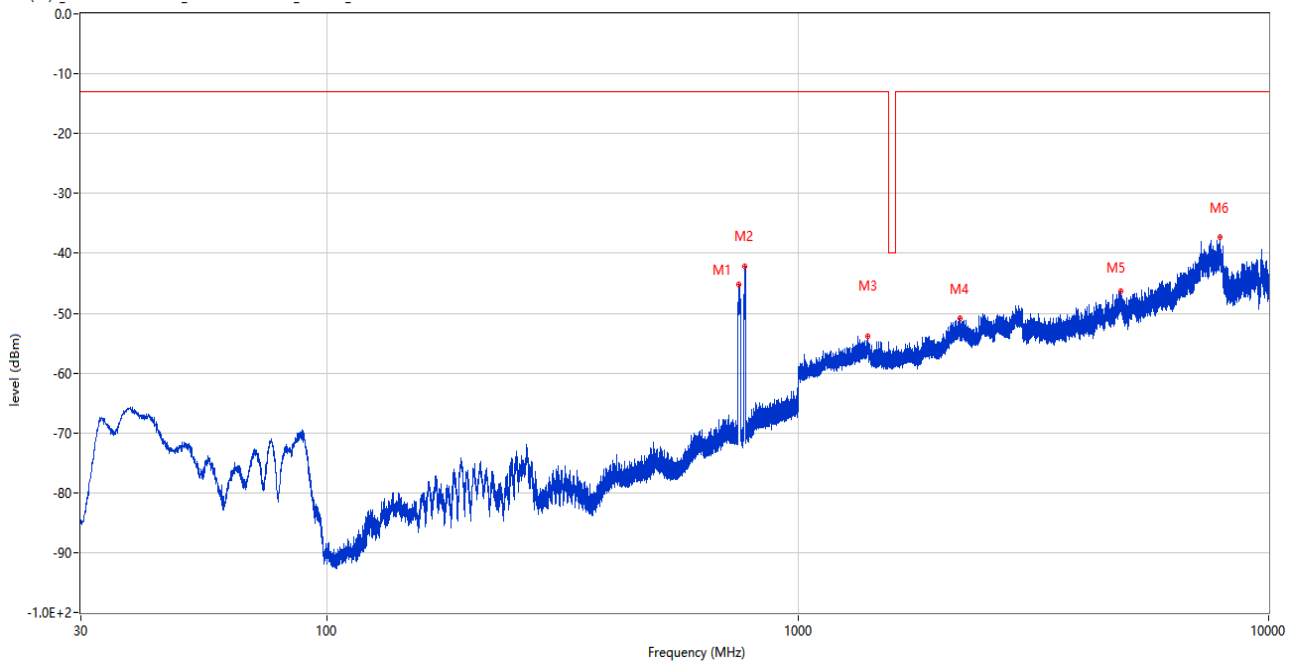
RSE (RF) \_FCC PART22&24&27\_LTE Band 13 & 14 \_699-748\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
753.862	-46.78	-0.39	-13.0	33.78	221.00	Horizontal	Vertical	N/A
772.972	-42.05	0.62	-13.0	29.05	334.00	Horizontal	Vertical	N/A
1555.400	-52.53	-4.59	-13.0	39.53	193.00	Horizontal	Vertical	Pass
2926.300	-48.83	4.08	-13.0	35.83	187.00	Horizontal	Vertical	Pass
4721.500	-45.96	7.40	-13.0	32.96	238.00	Horizontal	Vertical	Pass
7776.250	-33.78	15.29	-13.0	20.78	222.00	Horizontal	Vertical	Pass

Band:LTE B13,Channel:Mid range,BW10

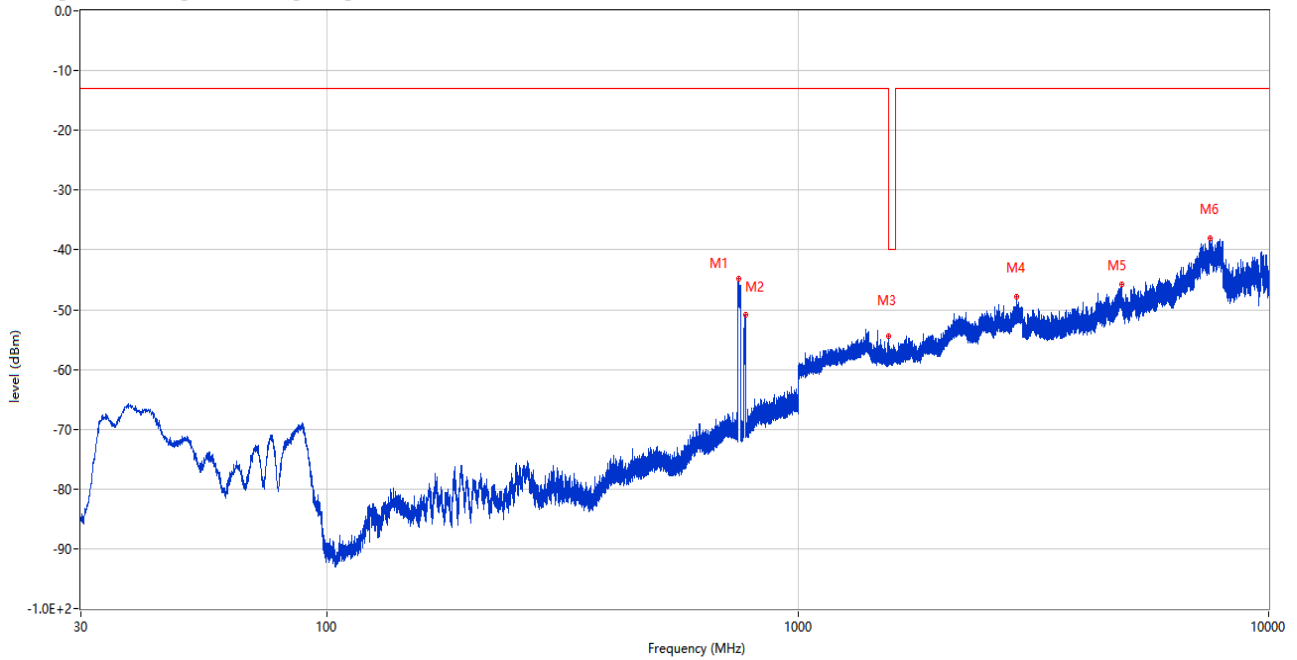
RSE (RF) \_FCC PART22&24&27\_LTE Band 13 & 14 \_699-748\_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
749.304	-45.28	-0.11	-13.0	32.28	114.00	Vertical	Vertical	N/A
772.972	-42.17	0.62	-13.0	29.17	79.00	Vertical	Vertical	N/A
1408.800	-53.91	-2.71	-13.0	40.91	104.00	Vertical	Vertical	Pass
2207.300	-50.86	1.80	-13.0	37.86	360.00	Vertical	Vertical	Pass
4857.250	-46.26	7.87	-13.0	33.26	237.00	Vertical	Vertical	Pass
7879.250	-37.33	17.04	-13.0	24.33	268.00	Vertical	Vertical	Pass

Band:LTE B13,Channel:Mid range,BW10

RSE (RF) \_FCC PART22&24&27\_LTE Band 13 & 14 \_699-748\_30MHz-10GHz

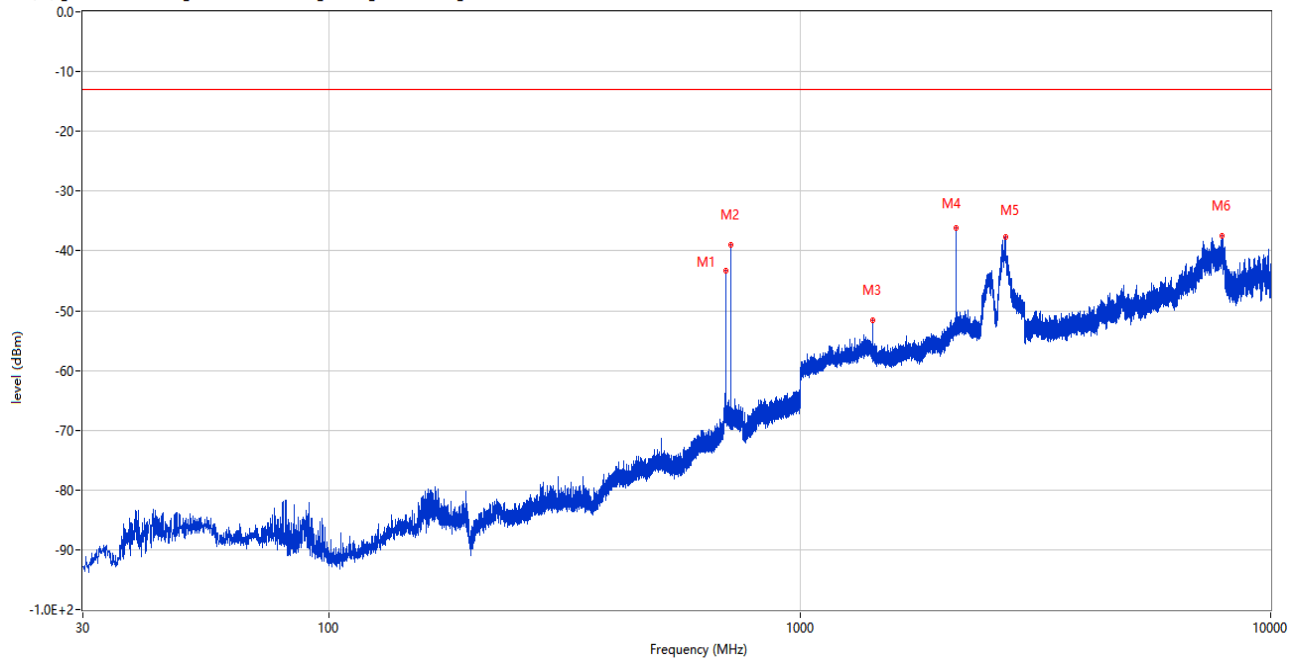


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
747.315	-44.75	-0.05	-13.0	31.75	115.00	Vertical	Horizontal	N/A
773.068	-50.77	0.62	-13.0	37.77	94.00	Vertical	Horizontal	N/A
1555.300	-54.49	-4.58	-13.0	41.49	198.00	Vertical	Horizontal	Pass
2914.400	-47.90	4.73	-13.0	34.90	183.00	Vertical	Horizontal	Pass
4872.000	-45.82	7.58	-13.0	32.82	86.00	Vertical	Horizontal	Pass
7494.750	-38.08	16.77	-13.0	25.08	0.00	Vertical	Horizontal	Pass

## 4.7 LTE Band 17

Band:LTE B17,Channel:Mid range,BW10

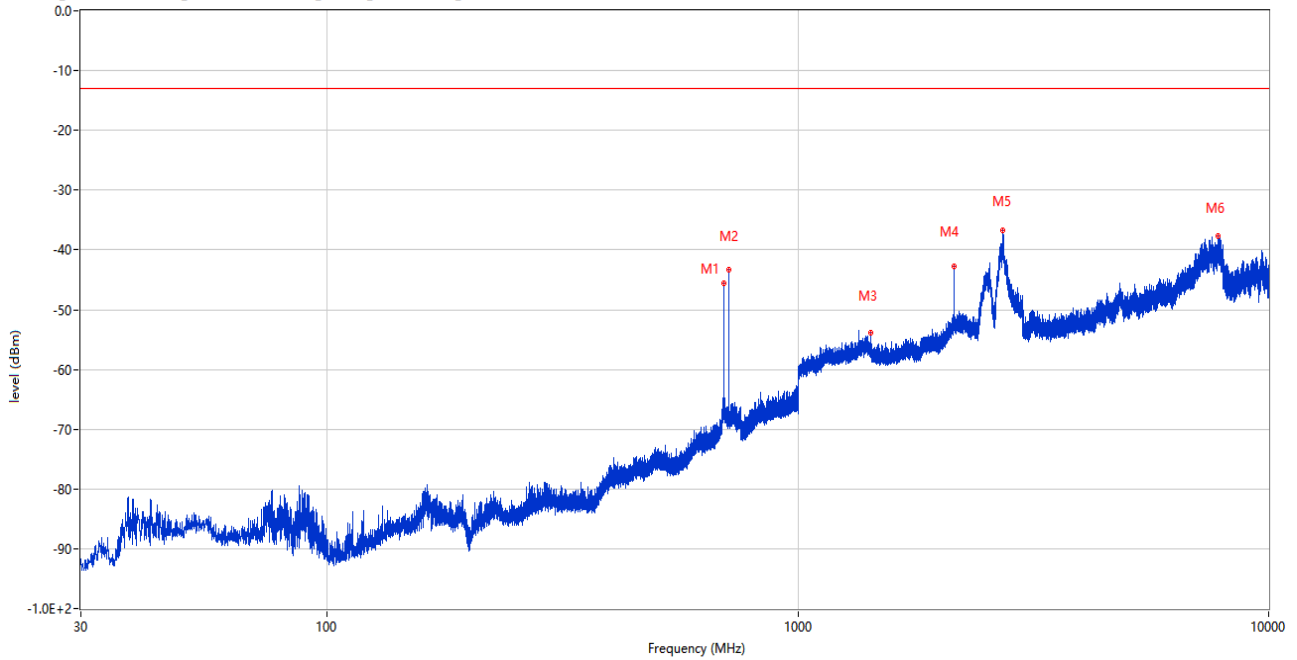
RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28\_699-747\_30MHz-10GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
696.681	-43.32	3.01	-13.0	30.32	106.00	Horizontal	Horizontal	N/A
714.432	-38.95	3.19	-13.0	25.95	88.00	Horizontal	Horizontal	N/A
1428.900	-51.54	-3.21	-13.0	38.54	235.00	Horizontal	Horizontal	Pass
2143.500	-36.12	1.89	-13.0	23.12	199.00	Horizontal	Horizontal	Pass
2731.100	-37.75	19.45	-13.0	24.75	124.00	Horizontal	Horizontal	Pass
7871.750	-37.47	17.07	-13.0	24.47	29.00	Horizontal	Horizontal	Pass

Band:LTE B17,Channel:Mid range,BW10

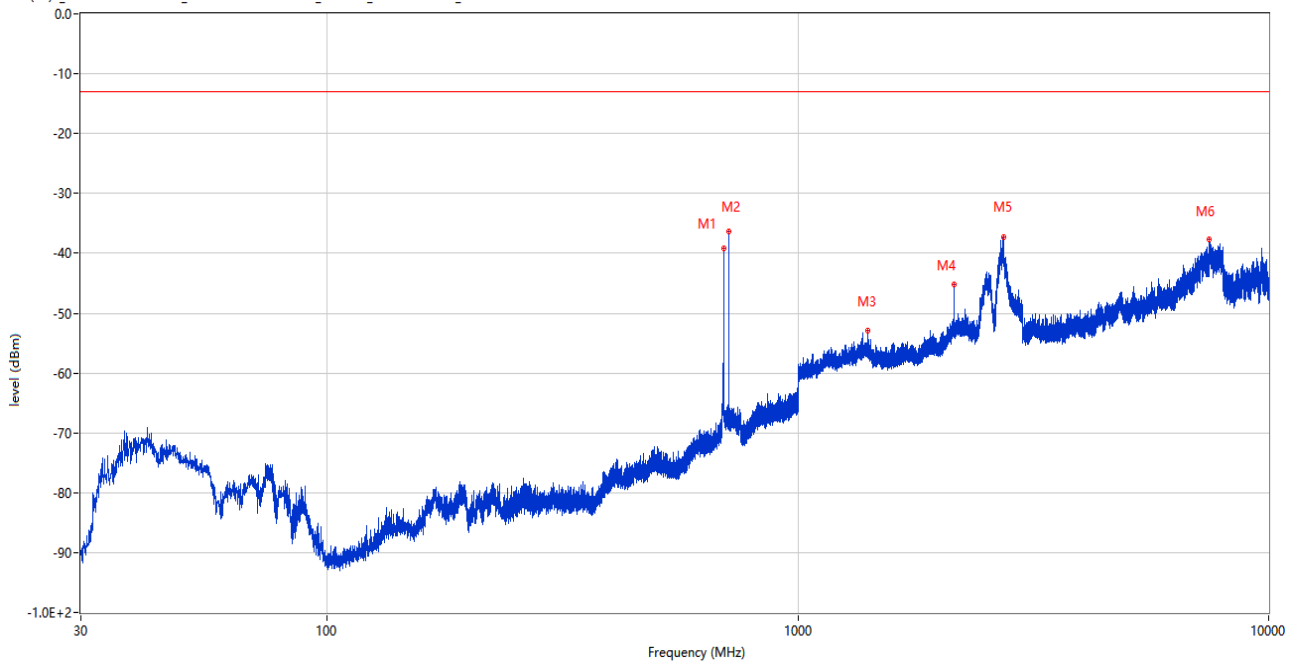
RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28 \_699-747\_30MHz-10GHz\_



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
696.681	-45.65	3.01	-13.0	32.65	0.00	Horizontal	Vertical	N/A
714.335	-43.35	3.19	-13.0	30.35	163.00	Horizontal	Vertical	N/A
1428.700	-53.83	-3.20	-13.0	40.83	8.00	Horizontal	Vertical	Pass
2143.500	-42.71	1.89	-13.0	29.71	192.00	Horizontal	Vertical	Pass
2726.600	-36.82	19.06	-13.0	23.82	93.00	Horizontal	Vertical	Pass
7818.000	-37.65	16.63	-13.0	24.65	328.00	Horizontal	Vertical	Pass

Band:LTE B17,Channel:Mid range,BW10

RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28 \_699-747\_30MHz-10GHz\_

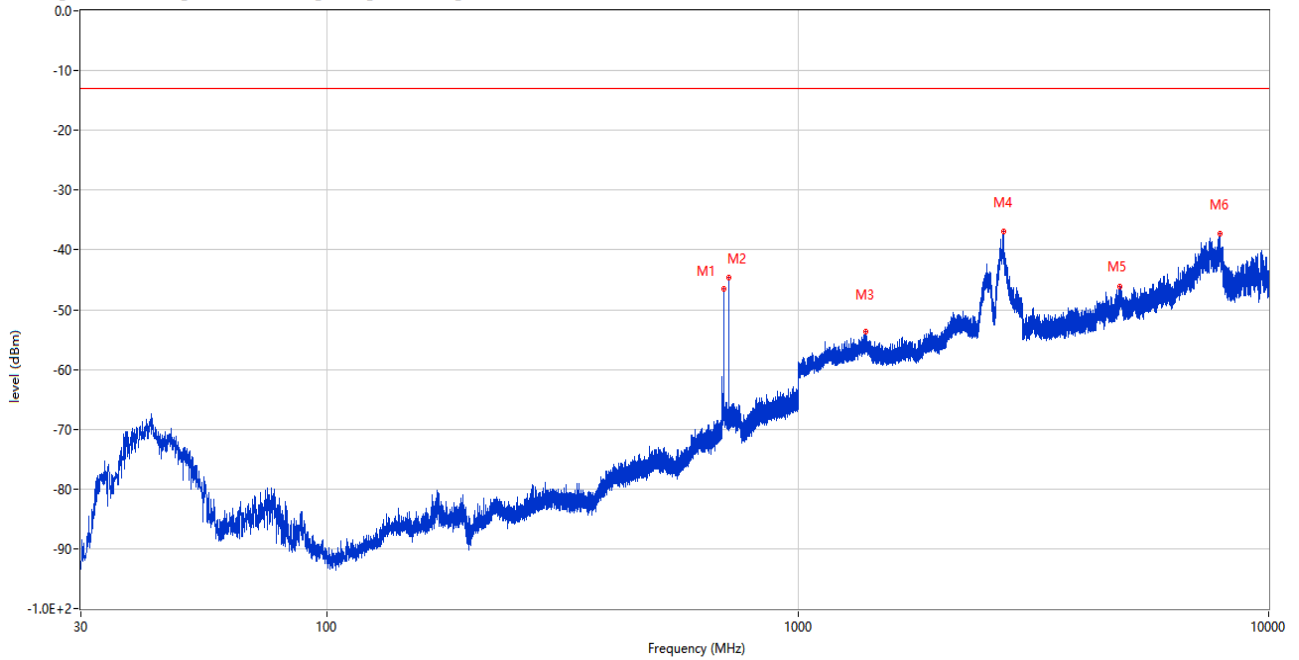


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
696.633	-39.23	3.01	-13.0	26.23	151.00	Vertical	Vertical	N/A
714.432	-36.36	3.19	-13.0	23.36	162.00	Vertical	Vertical	N/A
1406.000	-52.97	-2.39	-13.0	39.97	100.00	Vertical	Vertical	Pass
2143.600	-45.19	1.89	-13.0	32.19	226.00	Vertical	Vertical	Pass
2732.500	-37.32	19.34	-13.0	24.32	311.00	Vertical	Vertical	Pass
7491.000	-37.70	16.81	-13.0	24.70	54.00	Vertical	Vertical	Pass



Band:LTE B17,Channel:Mid range,BW10

RSE (RF) \_FCC PART22&24&27\_LTE B12 & B17 & B28 \_699-747\_30MHz-10GHz\_

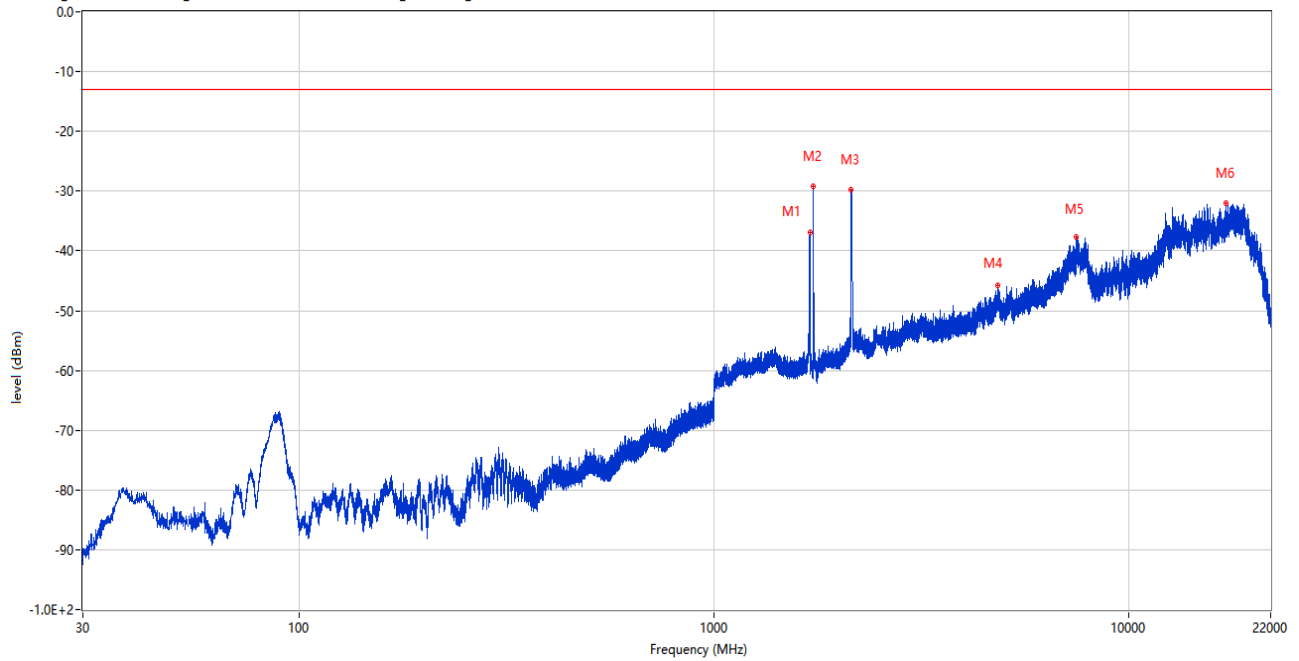


Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
696.729	-46.53	3.02	-13.0	33.53	357.00	Vertical	Horizontal	N/A
714.383	-44.69	3.19	-13.0	31.69	139.00	Vertical	Horizontal	N/A
1391.800	-53.68	-2.42	-13.0	40.68	99.00	Vertical	Horizontal	Pass
2732.000	-36.98	19.38	-13.0	23.98	163.00	Vertical	Horizontal	Pass
4821.500	-46.17	7.71	-13.0	33.17	84.00	Vertical	Horizontal	Pass
7865.500	-37.30	16.88	-13.0	24.30	21.00	Vertical	Horizontal	Pass

## 4.8 LTE Band 66

Band:LTE B66,Channel:Mid range,BW20

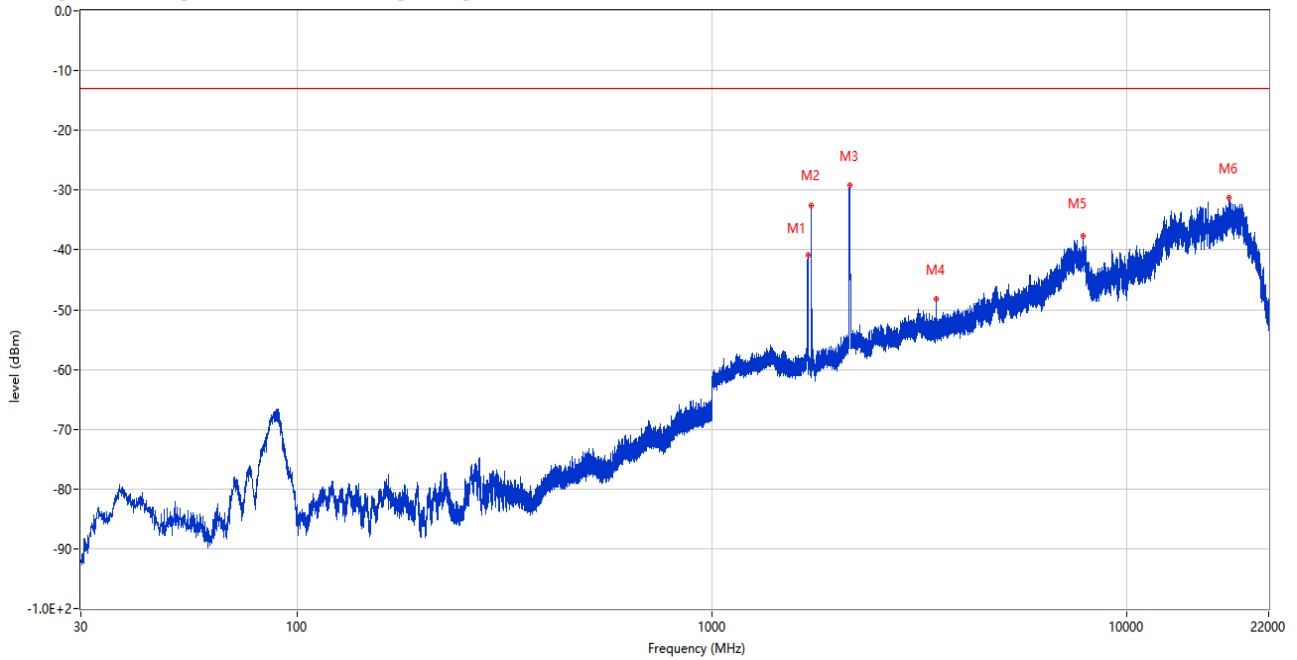
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1700.800	-36.98	-4.17	-13.0	23.98	145.00	Horizontal	Horizontal	N/A
1736.300	-29.18	-4.09	-13.0	16.18	138.00	Horizontal	Horizontal	N/A
2139.900	-29.82	-1.38	-13.0	16.82	271.00	Horizontal	Horizontal	N/A
4827.500	-45.83	7.64	-13.0	32.83	122.00	Horizontal	Horizontal	Pass
7488.750	-37.70	16.81	-13.0	24.70	132.00	Horizontal	Horizontal	Pass
17180.287	-32.09	24.78	-13.0	19.09	345.00	Horizontal	Horizontal	Pass

Band:LTE B66,Channel:Mid range,BW20

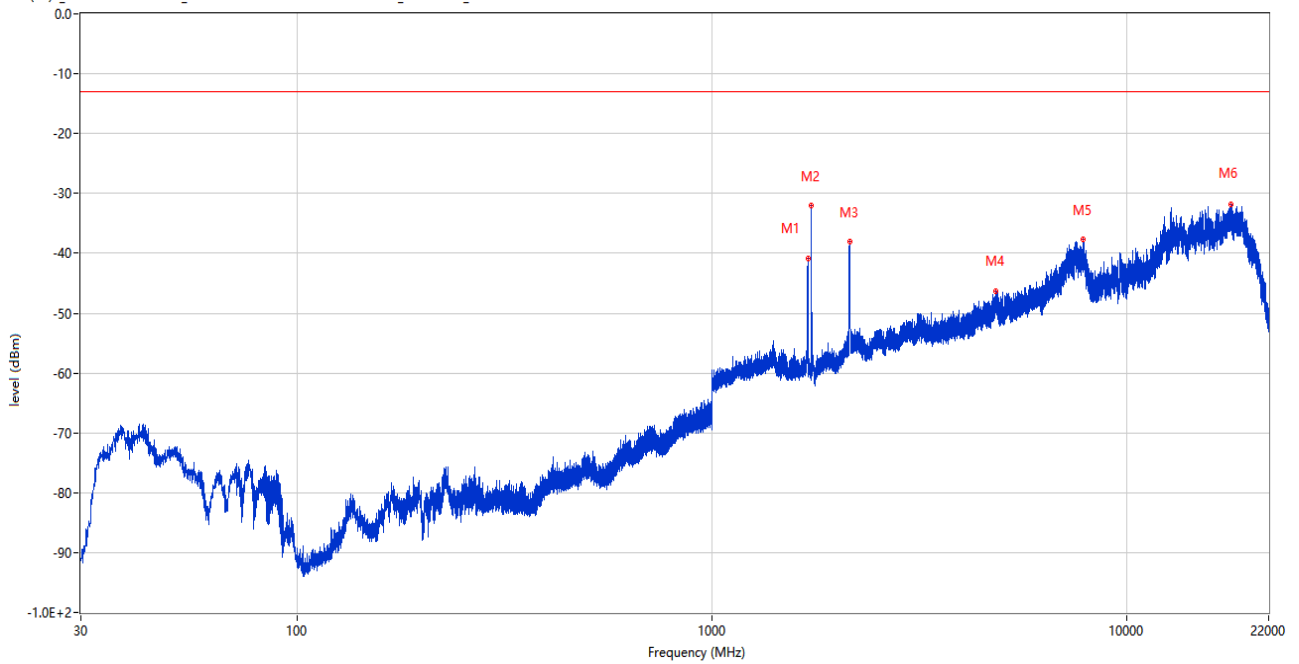
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66\_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1700.500	-40.96	-4.22	-13.0	27.96	14.00	Horizontal	Vertical	N/A
1736.300	-32.66	-4.09	-13.0	19.66	186.00	Horizontal	Vertical	N/A
2152.400	-29.24	-1.21	-13.0	16.24	259.00	Horizontal	Vertical	N/A
3472.250	-48.29	3.50	-13.0	35.29	165.00	Horizontal	Vertical	Pass
7867.000	-37.69	16.97	-13.0	24.69	211.00	Horizontal	Vertical	Pass
17636.776	-31.24	25.58	-13.0	18.24	0.00	Horizontal	Vertical	Pass

Band:LTE B66,Channel:Mid range,BW20

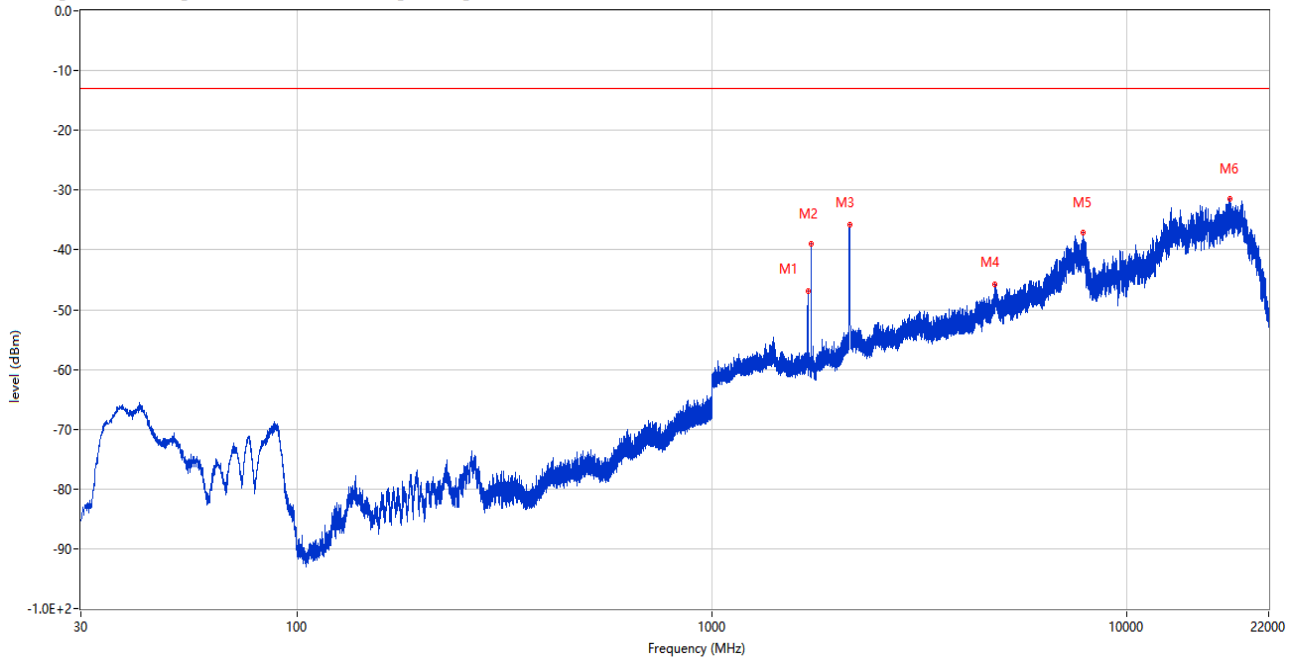
RSE (RF) \_FCC PART22&24&27\_WCDMA Band 4 & LTE Band 4 & 66 \_1710-1785\_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	Limit (dBm)	Margin (dB)	Table (o)	ANT	EUT	Verdict
1700.800	-40.85	-4.17	-13.0	27.85	309.00	Vertical	Vertical	N/A
1736.200	-32.10	-4.09	-13.0	19.10	315.00	Vertical	Vertical	N/A
2143.700	-38.07	-1.42	-13.0	25.07	146.00	Vertical	Vertical	N/A
4839.250	-46.24	7.63	-13.0	33.24	181.00	Vertical	Vertical	Pass
7858.750	-37.70	16.55	-13.0	24.70	54.00	Vertical	Vertical	Pass
17886.525	-31.81	25.58	-13.0	18.81	360.00	Vertical	Vertical	Pass

Band:LTE B66,Channel:Mid range,BW20

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
1700.900	-46.91	-4.16	-13.0	33.91	275.00	Vertical	Horizontal	N/A
1736.300	-38.99	-4.09	-13.0	25.99	275.00	Vertical	Horizontal	N/A
2143.600	-35.77	-1.42	-13.0	22.77	149.00	Vertical	Horizontal	N/A
4815.500	-45.73	7.84	-13.0	32.73	178.00	Vertical	Horizontal	Pass
7853.750	-37.14	16.25	-13.0	24.14	32.00	Vertical	Horizontal	Pass
17791.713	-31.39	26.36	-13.0	18.39	121.00	Vertical	Horizontal	Pass

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