

Annex A.7. Field Strength of Spurious Radiation

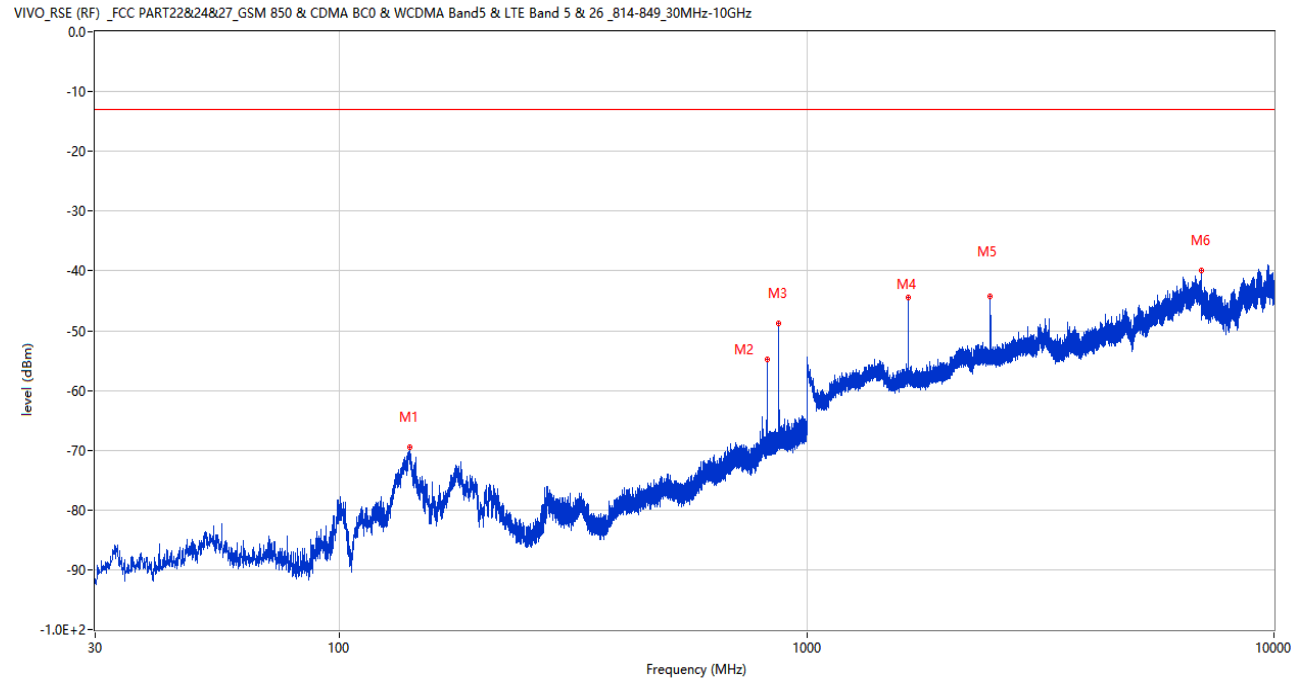
Down Antenna

GSM

18 GSM 850

18.1 GSM 850 Low Channel

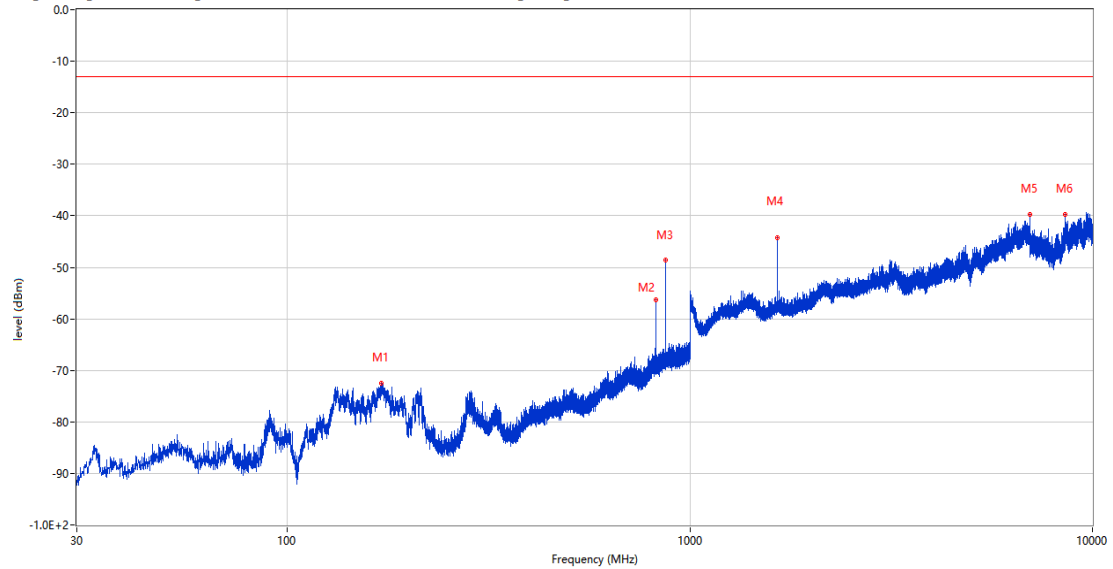
RSE-H&H GSM 850 CH128



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
141.744	-69.50	-15.92	-13.0	-56.50	135.00	Horizontal	Horizontal	Pass
824.139	-54.82	2.01	-13.0	-41.82	253.00	Horizontal	Horizontal	N/A
869.196	-48.77	2.21	-13.0	-35.77	360.00	Horizontal	Horizontal	N/A
1648.700	-44.47	-4.26	-13.0	-31.47	317.00	Horizontal	Horizontal	Pass
2472.800	-44.35	-0.27	-13.0	-31.35	92.00	Horizontal	Horizontal	Pass
6983.600	-39.98	13.57	-13.0	-26.98	284.00	Horizontal	Horizontal	Pass

RSE-H&V GSM 850 CH128

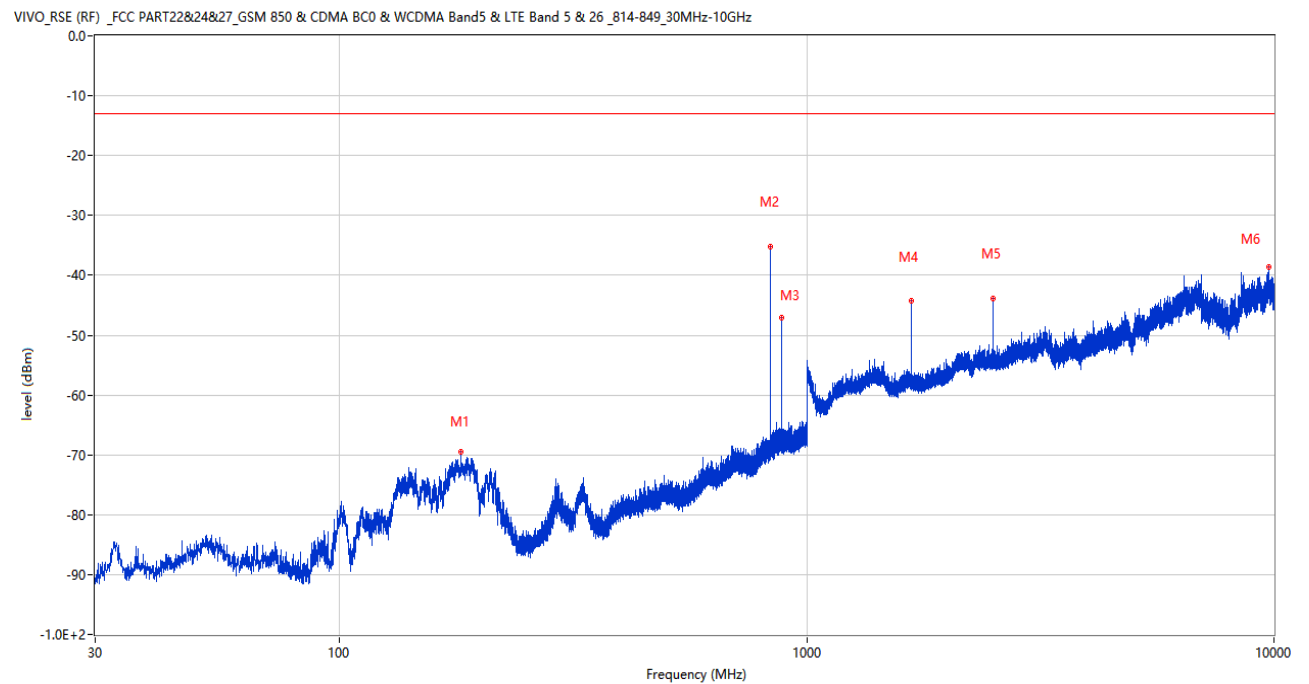
VIVO_RSE (RF)_FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
171.135	-72.46	-15.54	-13.0	-59.46	298.00	Horizontal	Vertical	Pass
824.139	-56.25	2.01	-13.0	-43.25	139.00	Horizontal	Vertical	N/A
869.244	-48.64	2.21	-13.0	-35.64	10.00	Horizontal	Vertical	N/A
1648.400	-44.31	-4.26	-13.0	-31.31	251.00	Horizontal	Vertical	Pass
6979.600	-39.77	13.43	-13.0	-26.77	175.00	Horizontal	Vertical	Pass
8575.600	-39.69	14.62	-13.0	-26.69	346.00	Horizontal	Vertical	Pass

18.2 GSM 850 Middle Channel

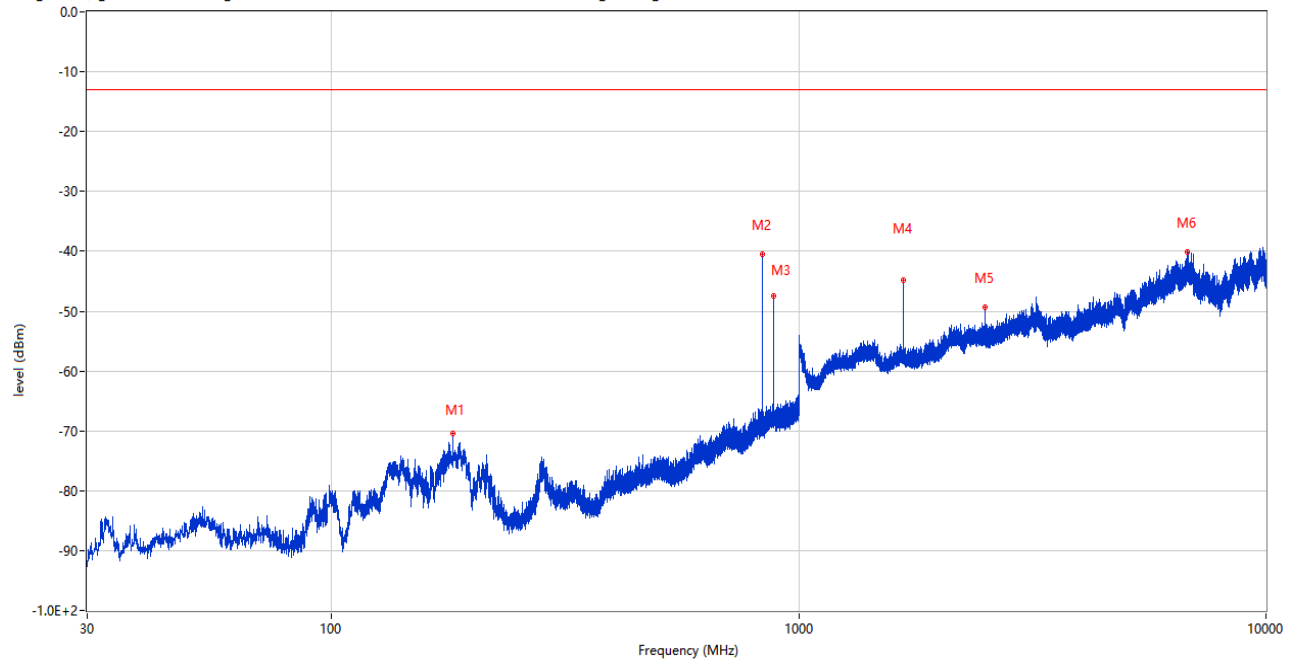
RSE-H&H GSM 850 CH190



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.854	-69.45	-15.20	-13.0	-56.45	289.00	Horizontal	Horizontal	Pass
836.652	-35.16	2.18	-13.0	-22.16	109.00	Horizontal	Horizontal	N/A
881.660	-47.14	2.74	-13.0	-34.14	54.00	Horizontal	Horizontal	N/A
1673.300	-44.34	-4.46	-13.0	-31.34	291.00	Horizontal	Horizontal	Pass
2510.100	-43.89	-0.11	-13.0	-30.89	87.00	Horizontal	Horizontal	Pass
9733.300	-38.62	18.41	-13.0	-25.62	254.00	Horizontal	Horizontal	Pass

RSE-H&V GSM 850 CH190

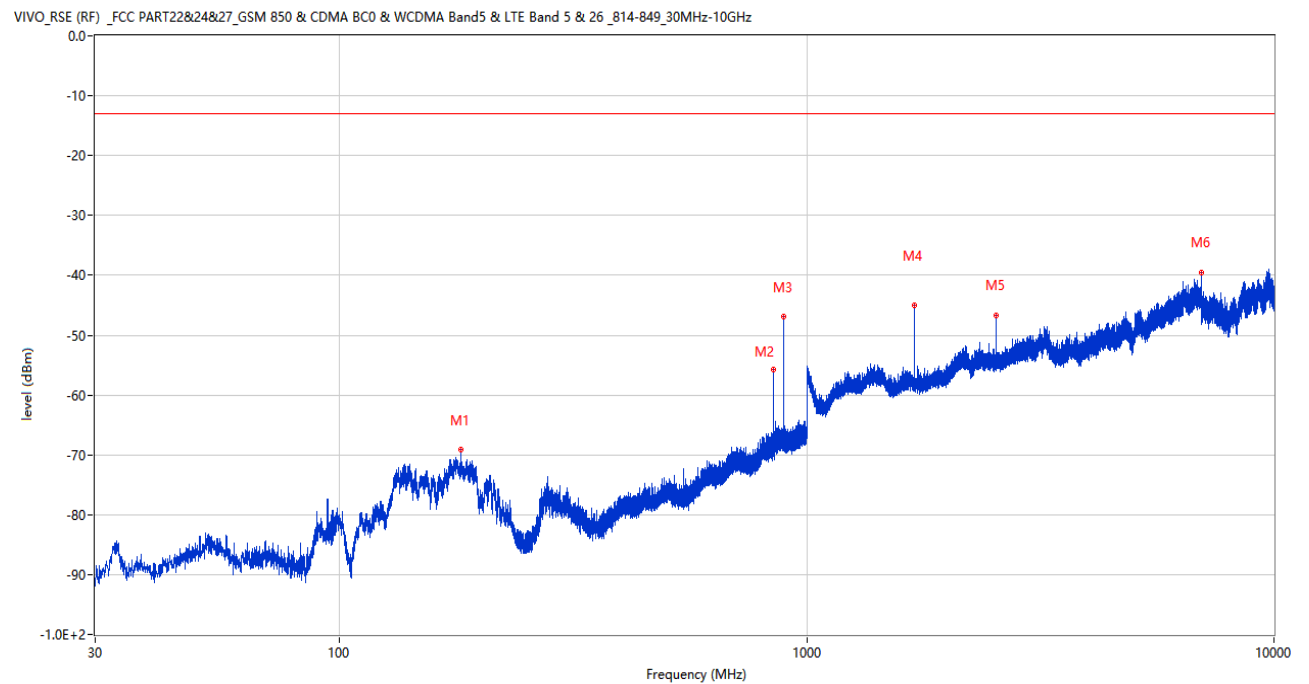
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.902	-70.37	-15.20	-13.0	-57.37	147.00	Horizontal	Vertical	Pass
836.652	-40.58	2.18	-13.0	-27.58	312.00	Horizontal	Vertical	N/A
881.563	-47.45	2.73	-13.0	-34.45	56.00	Horizontal	Vertical	N/A
1673.300	-44.79	-4.46	-13.0	-31.79	214.00	Horizontal	Vertical	Pass
2509.800	-49.41	-0.11	-13.0	-36.41	1.00	Horizontal	Vertical	Pass
6800.000	-40.14	13.17	-13.0	-27.14	145.00	Horizontal	Vertical	Pass

18.3 GSM 850 High Channel

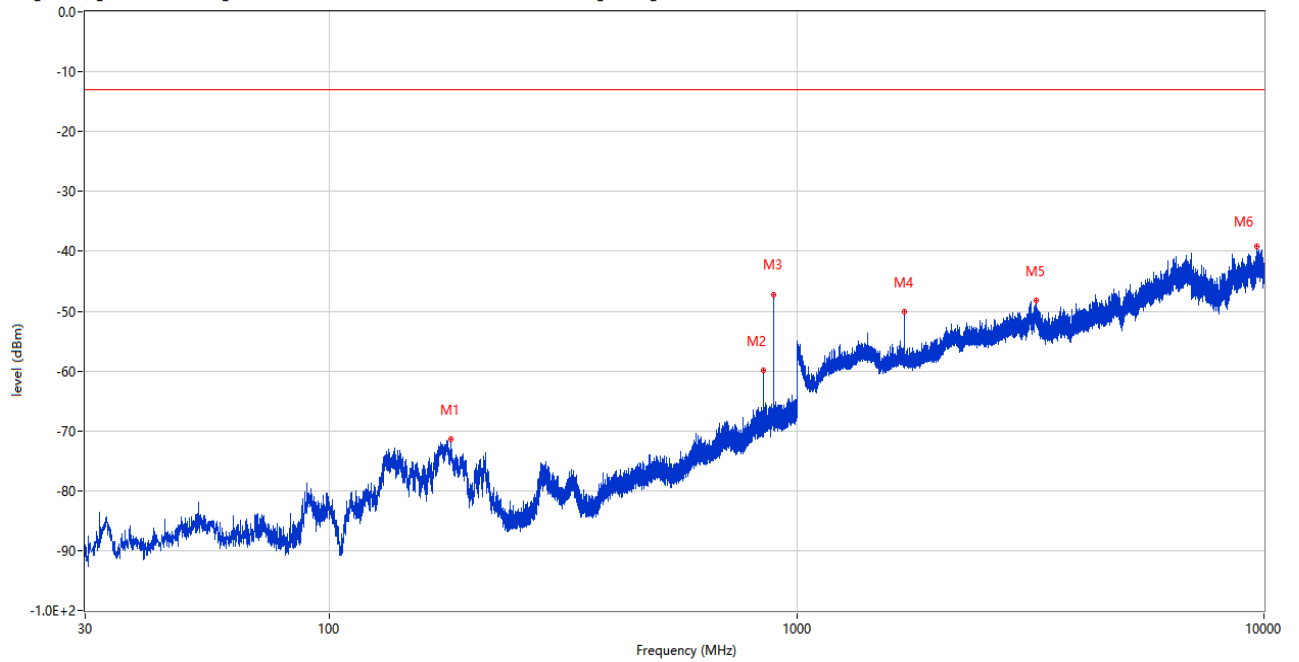
RSE-H&H GSM 850 CH251



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.756	-69.15	-15.19	-13.0	-56.15	155.00	Horizontal	Horizontal	Pass
848.874	-55.76	2.29	-13.0	-42.76	136.00	Horizontal	Horizontal	N/A
893.737	-46.94	2.49	-13.0	-33.94	60.00	Horizontal	Horizontal	N/A
1697.700	-45.02	-4.84	-13.0	-32.02	294.00	Horizontal	Horizontal	Pass
2546.800	-46.73	-0.21	-13.0	-33.73	92.00	Horizontal	Horizontal	Pass
6999.600	-39.55	13.92	-13.0	-26.55	252.00	Horizontal	Horizontal	Pass

RSE-H&V GSM 850 CH251

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

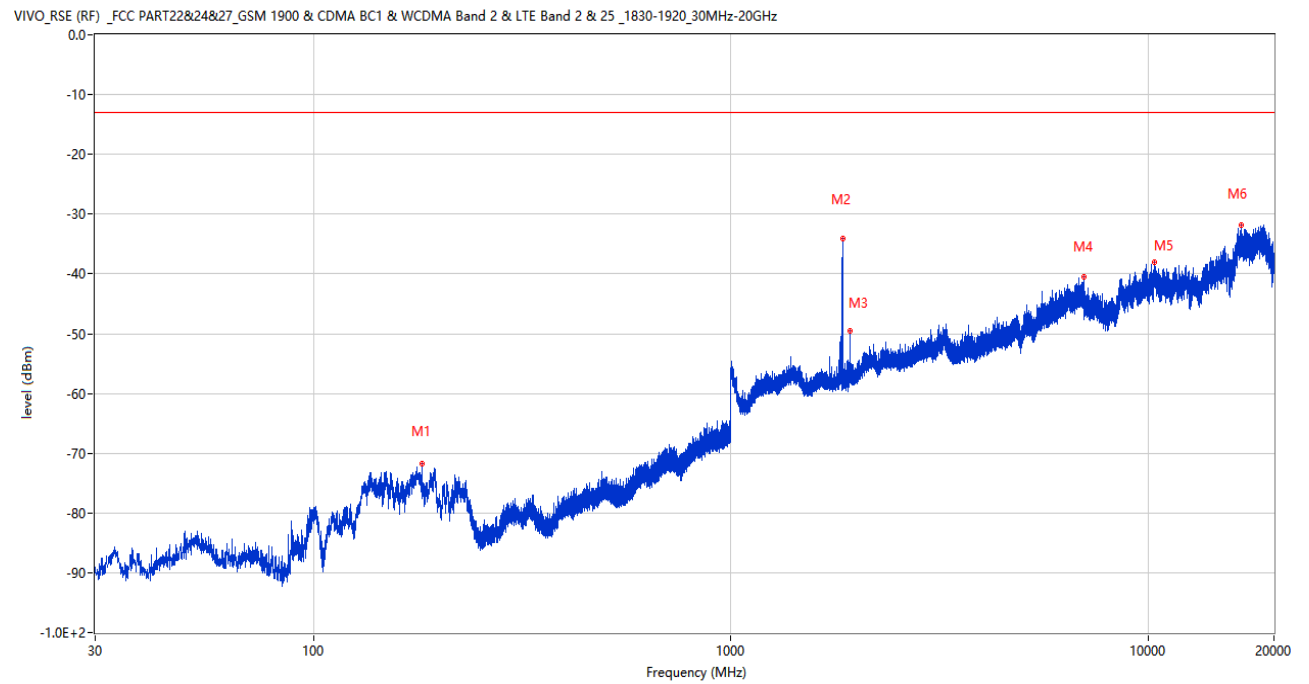


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.562	-71.42	-15.17	-13.0	-58.42	303.00	Horizontal	Vertical	Pass
848.922	-59.88	2.29	-13.0	-46.88	215.00	Horizontal	Vertical	N/A
893.737	-47.24	2.49	-13.0	-34.24	49.00	Horizontal	Vertical	N/A
1697.900	-50.12	-4.86	-13.0	-37.12	204.00	Horizontal	Vertical	Pass
3246.800	-48.29	6.12	-13.0	-35.29	170.00	Horizontal	Vertical	Pass
9671.200	-39.21	18.81	-13.0	-26.21	289.00	Horizontal	Vertical	Pass

19 GSM 1900

19.1 GSM 1900 Low Channel

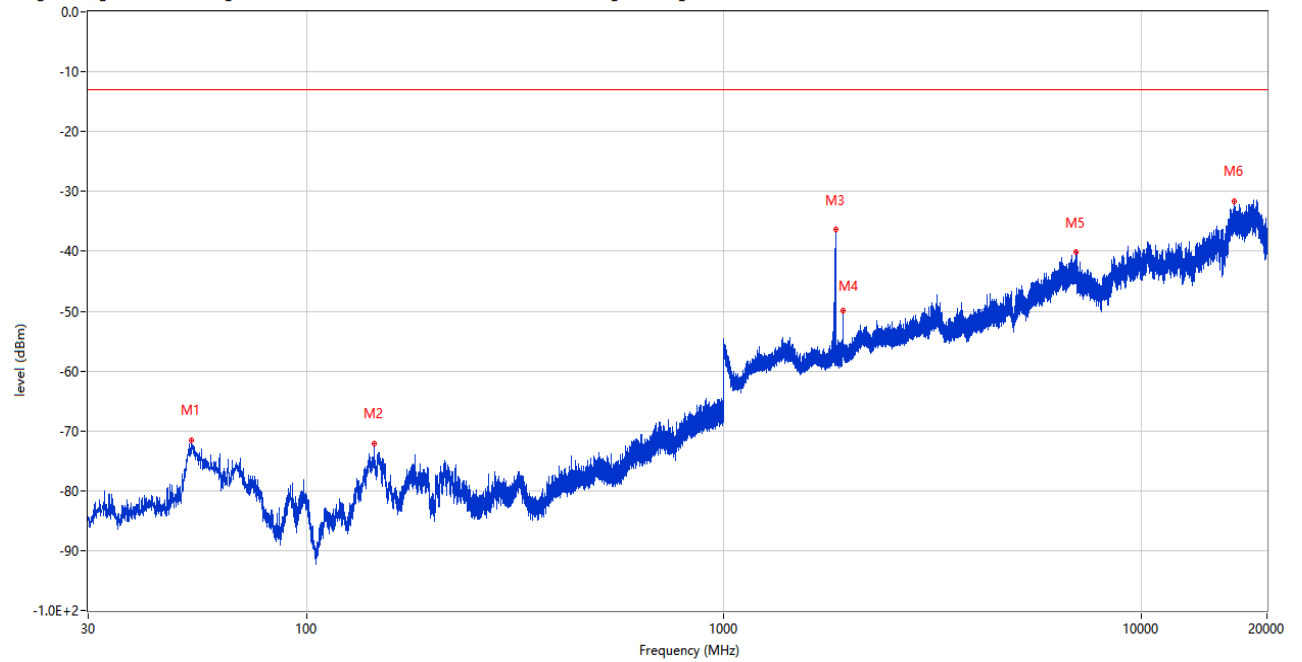
RSE-H&H GSM 1900 CH512



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.756	-71.80	-15.24	-13.0	-58.80	360.00	Horizontal	Horizontal	Pass
1850.500	-34.13	-2.88	-13.0	-21.13	309.00	Horizontal	Horizontal	N/A
1930.200	-49.53	-2.67	-13.0	-36.53	180.00	Horizontal	Horizontal	N/A
6993.800	-40.52	13.90	-13.0	-27.52	171.00	Horizontal	Horizontal	Pass
10331.550	-37.97	19.40	-13.0	-24.97	230.00	Horizontal	Horizontal	Pass
16688.200	-31.90	26.33	-13.0	-18.90	130.00	Horizontal	Horizontal	Pass

RSE-V&V GSM 1900 CH512

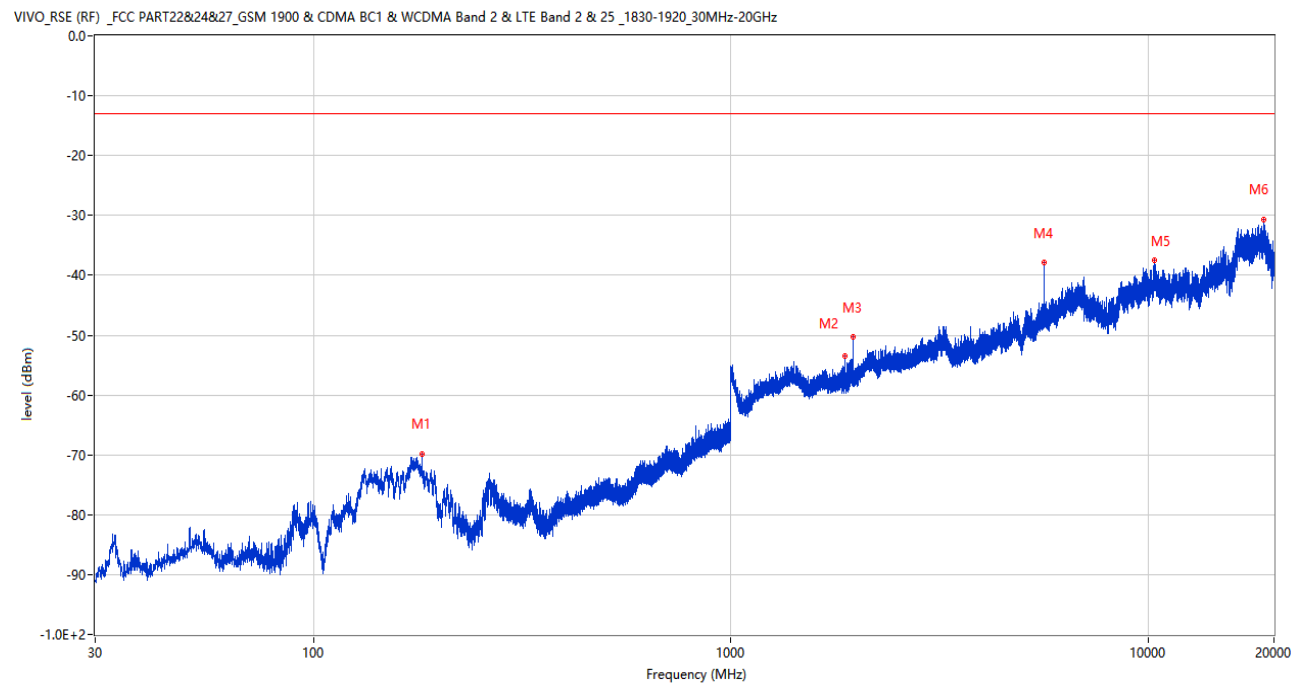
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
52.941	-71.49	-14.90	-13.0	-58.49	141.00	Vertical	Vertical	Pass
145.333	-72.07	-15.64	-13.0	-59.07	342.00	Vertical	Vertical	Pass
1850.400	-36.34	-2.88	-13.0	-23.34	29.00	Vertical	Vertical	N/A
1930.400	-49.95	-2.74	-13.0	-36.95	116.00	Vertical	Vertical	N/A
6988.800	-40.14	13.72	-13.0	-27.14	21.00	Vertical	Vertical	Pass
16690.738	-31.72	26.30	-13.0	-18.72	359.00	Vertical	Vertical	Pass

19.2 GSM 1900 Middle Channel

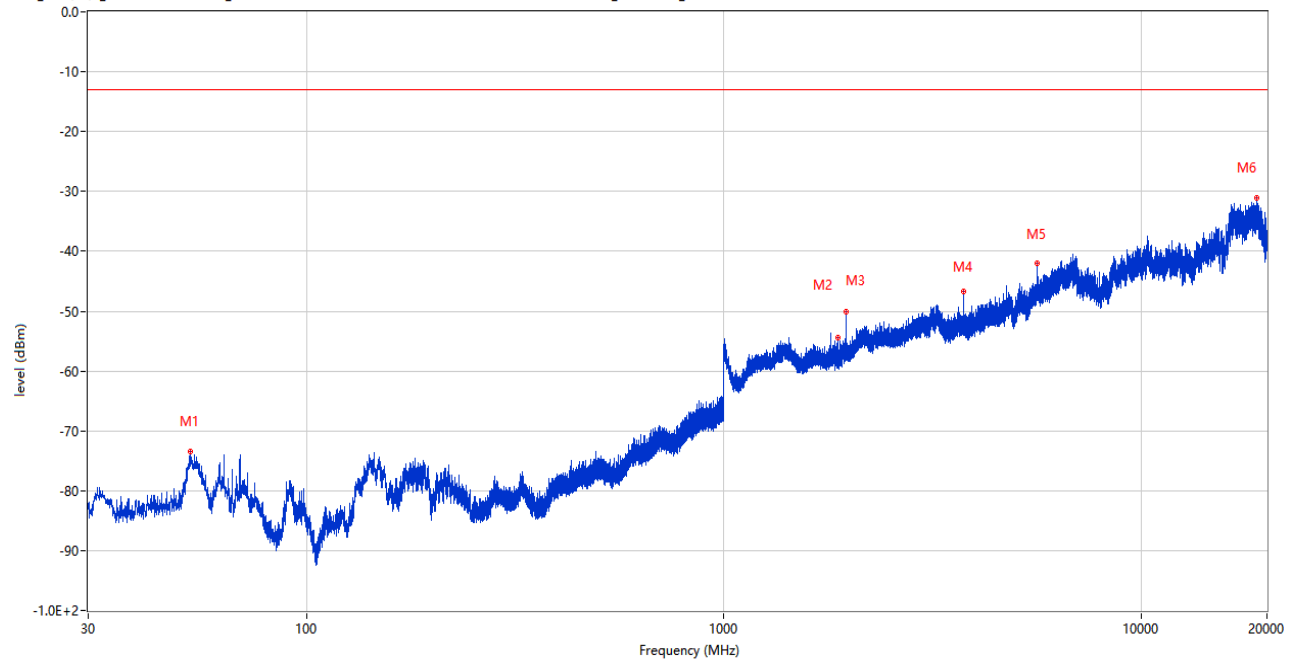
RSE-H&H GSM 1900 CH661



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.756	-70.25	-15.24	-13.0	-57.25	184.00	Horizontal	Horizontal	Pass
1880.100	-53.53	-2.59	-13.0	-40.53	88.00	Horizontal	Horizontal	N/A
1960.000	-50.36	-3.59	-13.0	-37.36	165.00	Horizontal	Horizontal	N/A
5640.000	-37.89	9.33	-13.0	-24.89	314.00	Horizontal	Horizontal	Pass
10316.888	-37.42	19.54	-13.0	-24.42	316.00	Horizontal	Horizontal	Pass
18907.787	-30.72	25.09	-13.0	-17.72	143.00	Horizontal	Horizontal	Pass

RSE-V&V GSM 1900 CH661

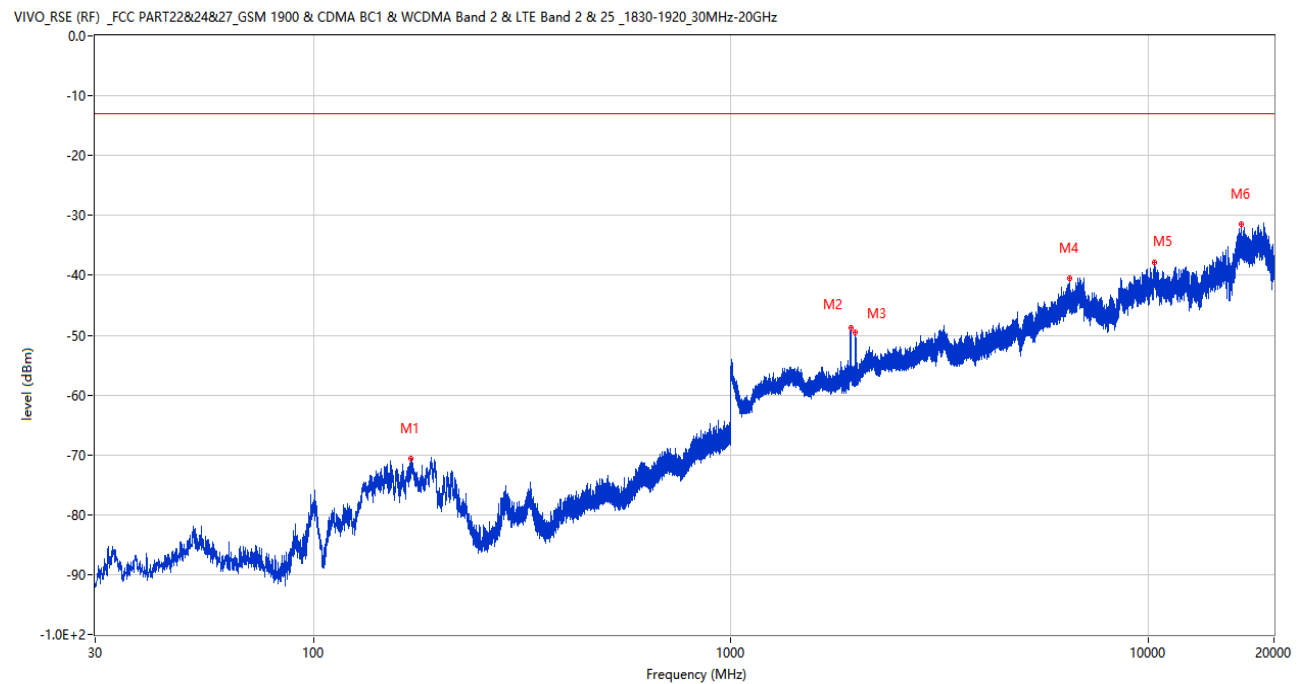
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
52.795	-73.42	-14.91	-13.0	-60.42	179.00	Vertical	Vertical	Pass
1879.600	-54.37	-2.60	-13.0	-41.37	73.00	Vertical	Vertical	N/A
1960.000	-50.15	-3.59	-13.0	-37.15	215.00	Vertical	Vertical	N/A
3760.200	-46.68	4.38	-13.0	-33.68	243.00	Vertical	Vertical	Pass
5640.200	-42.02	9.33	-13.0	-29.02	359.00	Vertical	Vertical	Pass
18945.489	-31.12	25.07	-13.0	-18.12	303.00	Vertical	Vertical	Pass

19.3 GSM 1900 High Channel

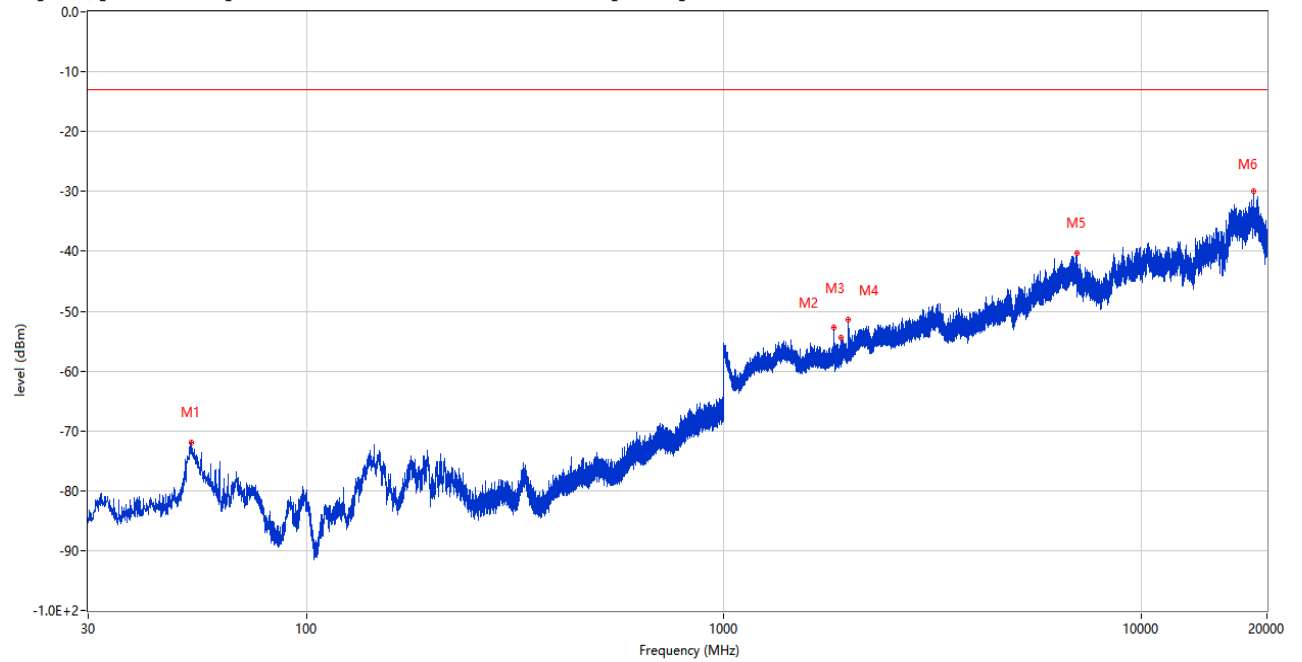
RSE-H&H GSM 1900 CH810



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
170.892	-70.55	-15.55	-13.0	-57.55	177.00	Horizontal	Horizontal	Pass
1935.800	-48.78	-3.41	-13.0	-35.78	227.00	Horizontal	Horizontal	Pass
1989.900	-49.59	-3.65	-13.0	-36.59	167.00	Horizontal	Horizontal	N/A
6462.800	-40.58	12.88	-13.0	-27.58	82.00	Horizontal	Horizontal	Pass
10342.475	-37.90	19.27	-13.0	-24.90	100.00	Horizontal	Horizontal	Pass
16696.537	-31.48	26.23	-13.0	-18.48	41.00	Horizontal	Horizontal	Pass

RSE-V&V GSM 1900 CH810

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



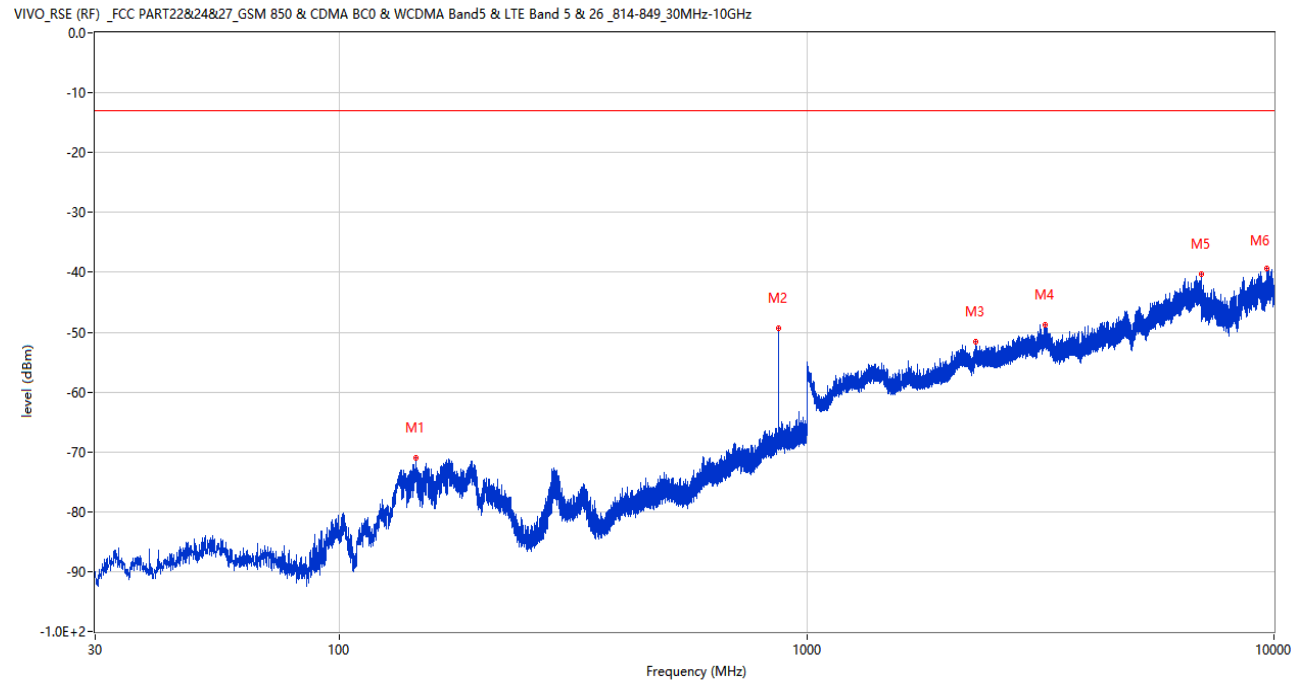
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
53.086	-71.85	-14.89	-13.0	-58.85	156.00	Vertical	Vertical	Pass
1834.900	-52.76	-3.92	-13.0	-39.76	154.00	Vertical	Vertical	Pass
1907.100	-54.45	-2.43	-13.0	-41.45	39.00	Vertical	Vertical	N/A
1989.700	-51.47	-3.65	-13.0	-38.47	212.00	Vertical	Vertical	N/A
6999.600	-40.32	13.92	-13.0	-27.32	155.00	Vertical	Vertical	Pass
18626.849	-29.98	25.24	-13.0	-16.98	97.00	Vertical	Vertical	Pass

EGPRS

20 EGPRS 850

20.1 EGPRS 850 Low Channel

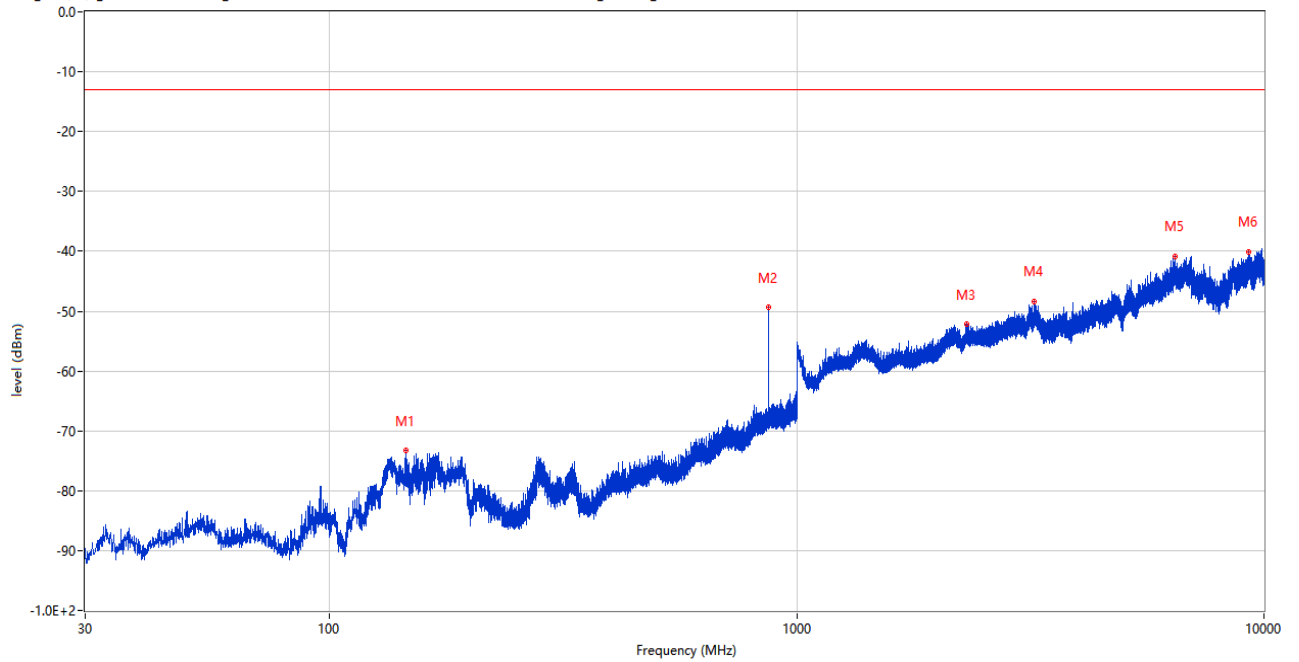
RSE-H&H EGPRS 850 CH128



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.91	-15.65	-13.0	-57.91	174.00	Horizontal	Horizontal	Pass
869.196	-49.28	2.21	-13.0	-36.28	-2.00	Horizontal	Horizontal	N/A
2304.900	-51.60	-0.28	-13.0	-38.60	330.00	Horizontal	Horizontal	Pass
3235.600	-48.78	6.65	-13.0	-35.78	345.00	Horizontal	Horizontal	Pass
6987.200	-40.31	13.61	-13.0	-27.31	114.00	Horizontal	Horizontal	Pass
9654.250	-39.43	18.31	-13.0	-26.43	289.00	Horizontal	Horizontal	Pass

RSE-H&V EGPRS 850 CH128

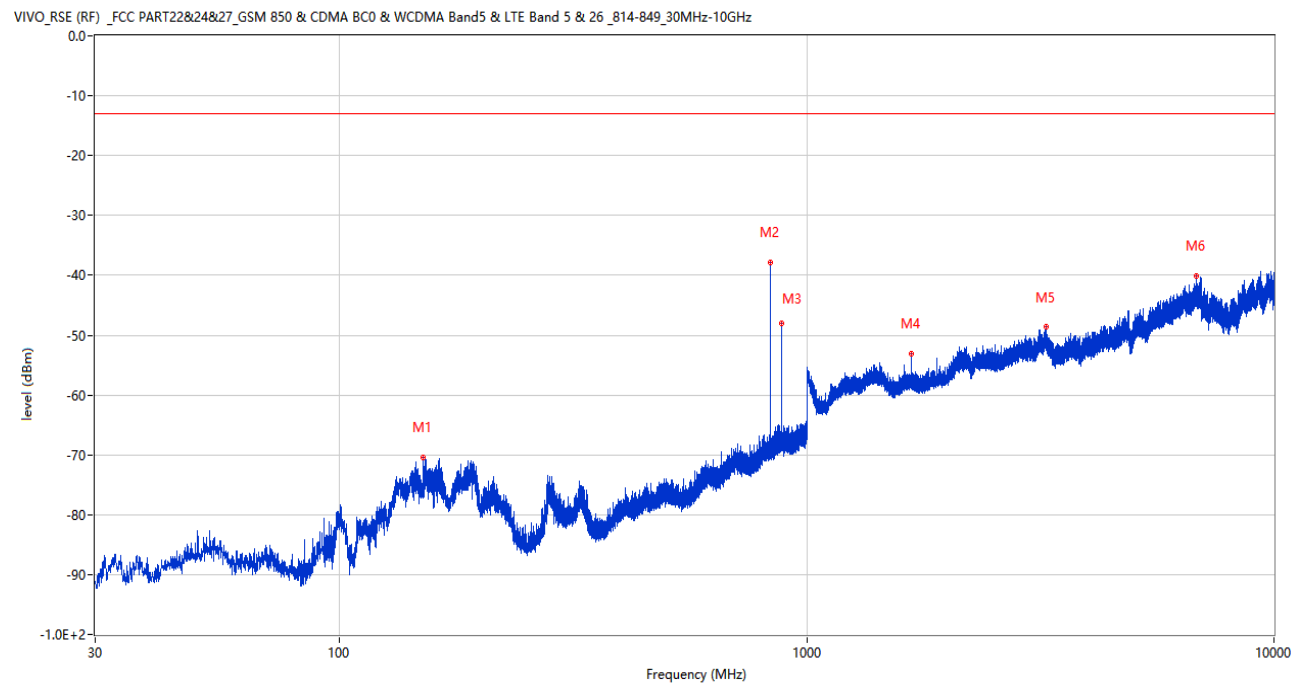
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-73.33	-15.65	-13.0	-60.33	160.00	Horizontal	Vertical	Pass
869.244	-49.43	2.21	-13.0	-36.43	360.00	Horizontal	Vertical	N/A
2316.600	-52.13	-0.76	-13.0	-39.13	192.00	Horizontal	Vertical	Pass
3228.000	-48.35	6.67	-13.0	-35.35	111.00	Horizontal	Vertical	Pass
6440.800	-40.78	12.22	-13.0	-27.78	139.00	Horizontal	Vertical	Pass
9260.349	-40.07	17.14	-13.0	-27.07	209.00	Horizontal	Vertical	Pass

20.2 EGPRS 850 Middle Channel

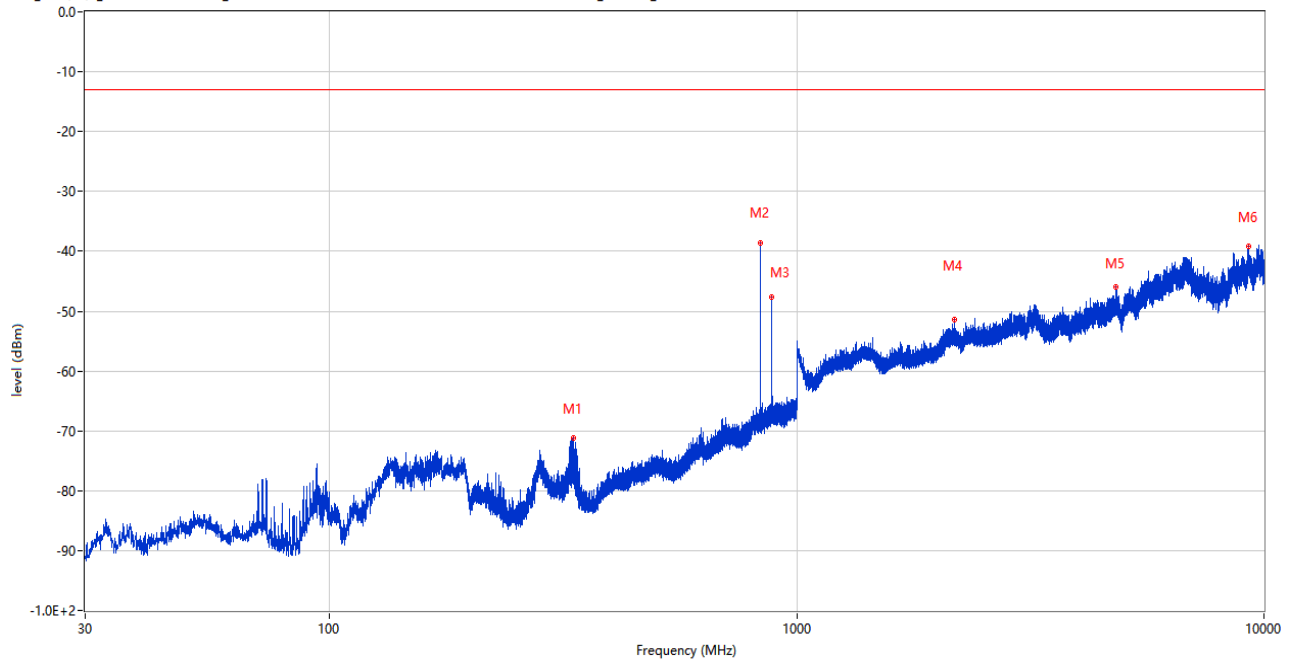
RSE-H&H EGPRS 850 CH190



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
151.298	-70.40	-15.71	-13.0	-57.40	175.00	Horizontal	Horizontal	Pass
836.604	-37.89	2.18	-13.0	-24.89	175.00	Horizontal	Horizontal	N/A
881.660	-48.01	2.74	-13.0	-35.01	45.00	Horizontal	Horizontal	N/A
1673.200	-53.07	-4.47	-13.0	-40.07	266.00	Horizontal	Horizontal	Pass
3250.000	-48.63	5.94	-13.0	-35.63	23.00	Horizontal	Horizontal	Pass
6804.600	-40.09	13.12	-13.0	-27.09	242.00	Horizontal	Horizontal	Pass

RSE-H&V EGPRS 850 CH190

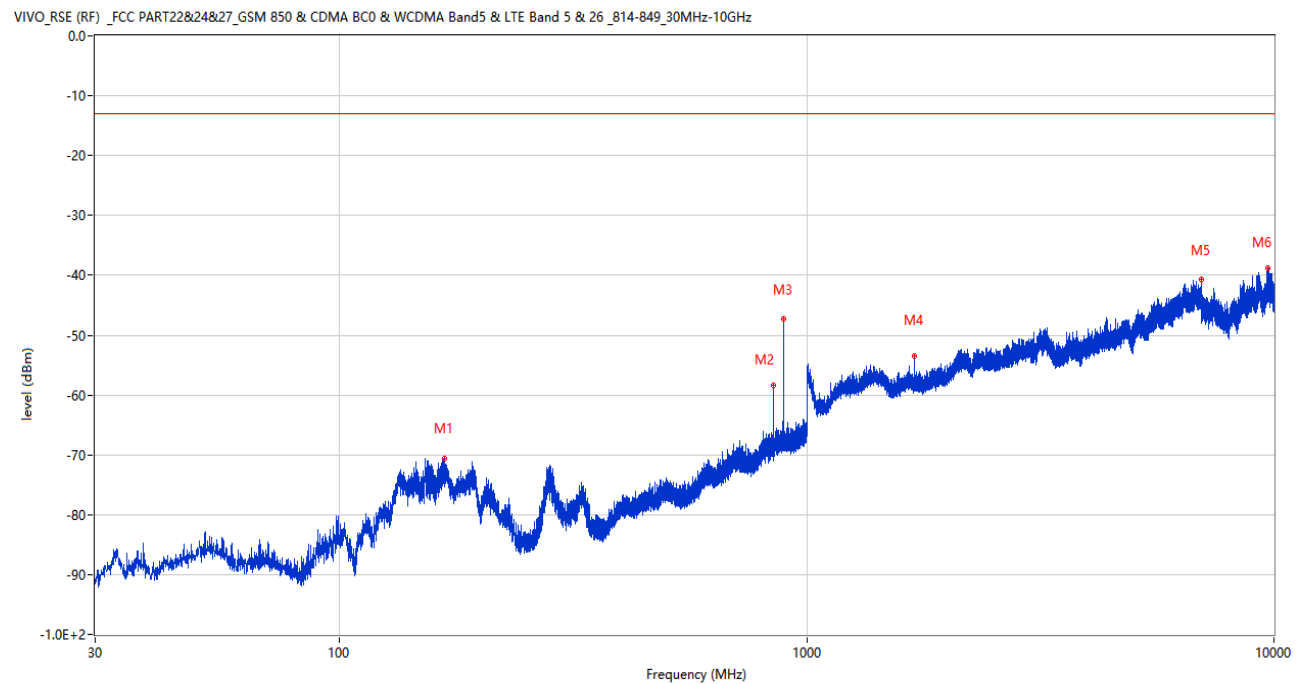
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
332.931	-71.12	-12.79	-13.0	-58.12	320.00	Horizontal	Vertical	Pass
836.604	-38.58	2.18	-13.0	-25.58	329.00	Horizontal	Vertical	N/A
881.563	-47.72	2.73	-13.0	-34.72	48.00	Horizontal	Vertical	N/A
2172.600	-51.39	-1.09	-13.0	-38.39	360.00	Horizontal	Vertical	Pass
4828.000	-45.92	6.68	-13.0	-32.92	164.00	Horizontal	Vertical	Pass
9266.650	-39.13	17.00	-13.0	-26.13	72.00	Horizontal	Vertical	Pass

20.3 EGPRS 850 High Channel

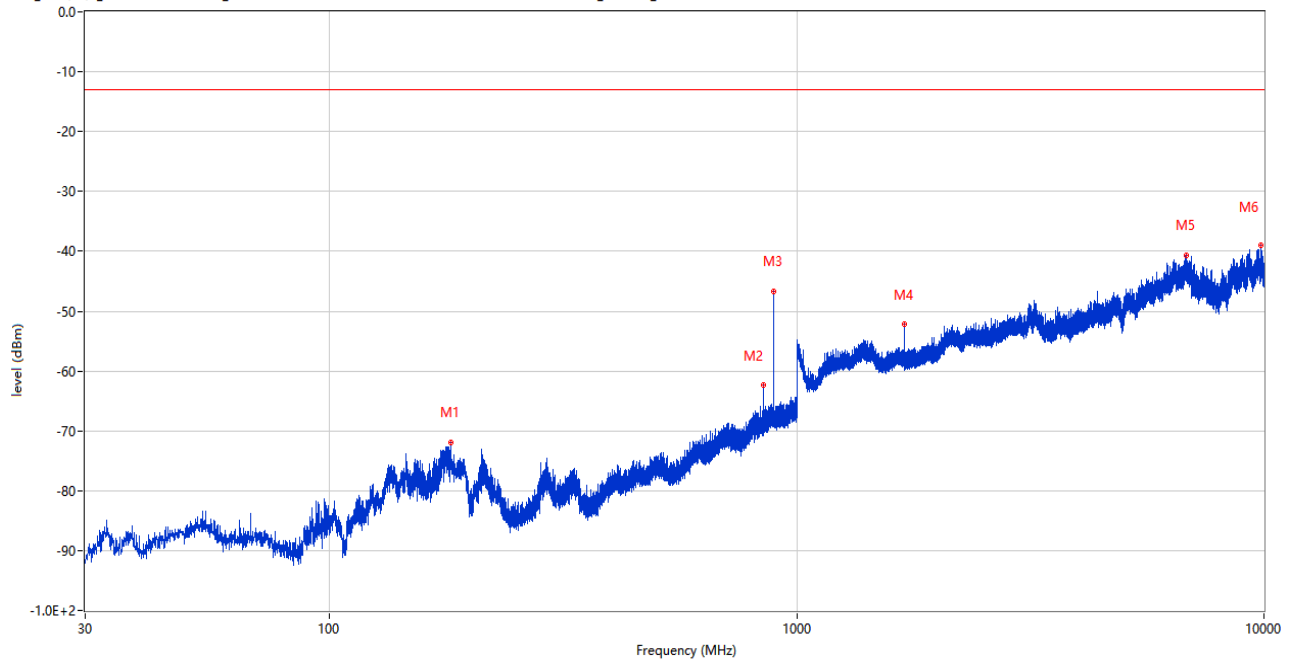
RSE-H&H EGPRS 850 CH251



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
167.594	-70.57	-15.66	-13.0	-57.57	152.00	Horizontal	Horizontal	Pass
848.874	-58.38	2.29	-13.0	-45.38	100.00	Horizontal	Horizontal	N/A
893.785	-47.20	2.49	-13.0	-34.20	152.00	Horizontal	Horizontal	N/A
1698.000	-53.51	-4.87	-13.0	-40.51	269.00	Horizontal	Horizontal	Pass
6997.000	-40.77	13.91	-13.0	-27.77	237.00	Horizontal	Horizontal	Pass
9682.900	-38.82	19.04	-13.0	-25.82	235.00	Horizontal	Horizontal	Pass

RSE-H&V EGPRS 850 CH251

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

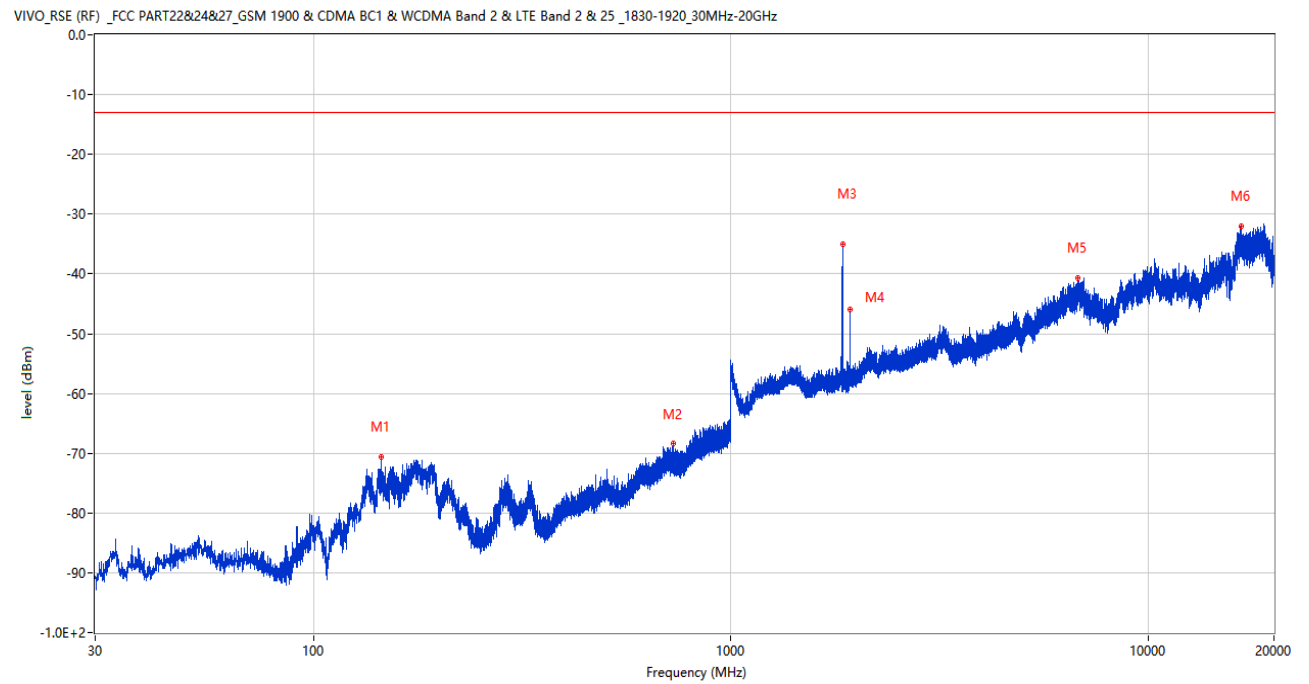


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
182.048	-71.99	-15.21	-13.0	-58.99	128.00	Horizontal	Vertical	Pass
848.825	-62.40	2.29	-13.0	-49.40	128.00	Horizontal	Vertical	N/A
893.833	-46.69	2.48	-13.0	-33.69	158.00	Horizontal	Vertical	N/A
1698.000	-52.10	-4.87	-13.0	-39.10	339.00	Horizontal	Vertical	Pass
6816.400	-40.73	13.12	-13.0	-27.73	33.00	Horizontal	Vertical	Pass
9848.950	-38.97	18.20	-13.0	-25.97	356.00	Horizontal	Vertical	Pass

21 EGPRS 1900

21.1 EGPRS 1900 Low Channel

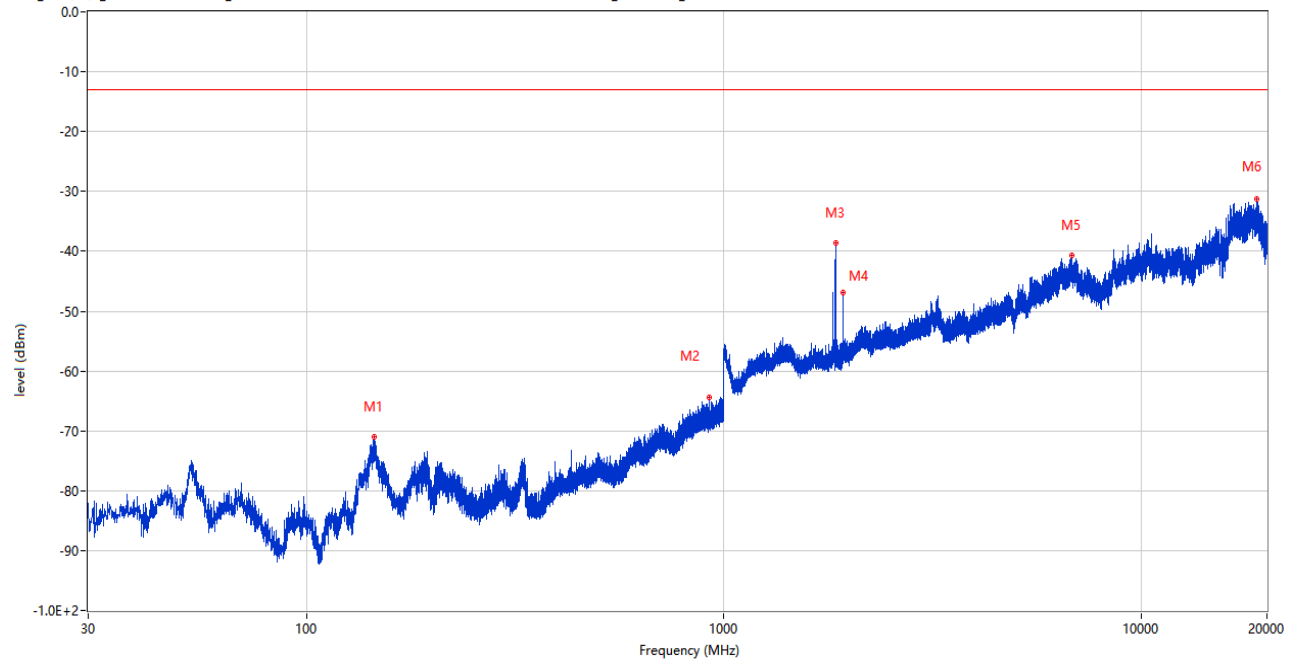
RSE-H&H EGPRS 1900 CH512



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
145.576	-70.60	-15.66	-13.0	-57.60	213.00	Horizontal	Horizontal	Pass
728.740	-68.45	-1.08	-13.0	-55.45	360.00	Horizontal	Horizontal	Pass
1850.300	-35.06	-2.89	-13.0	-22.06	313.00	Horizontal	Horizontal	N/A
1930.400	-46.01	-2.74	-13.0	-33.01	164.00	Horizontal	Horizontal	N/A
6790.600	-40.77	12.88	-13.0	-27.77	208.00	Horizontal	Horizontal	Pass
16694.725	-32.03	26.25	-13.0	-19.03	328.00	Horizontal	Horizontal	Pass

RSE-V&V EGPRS 1900 CH512

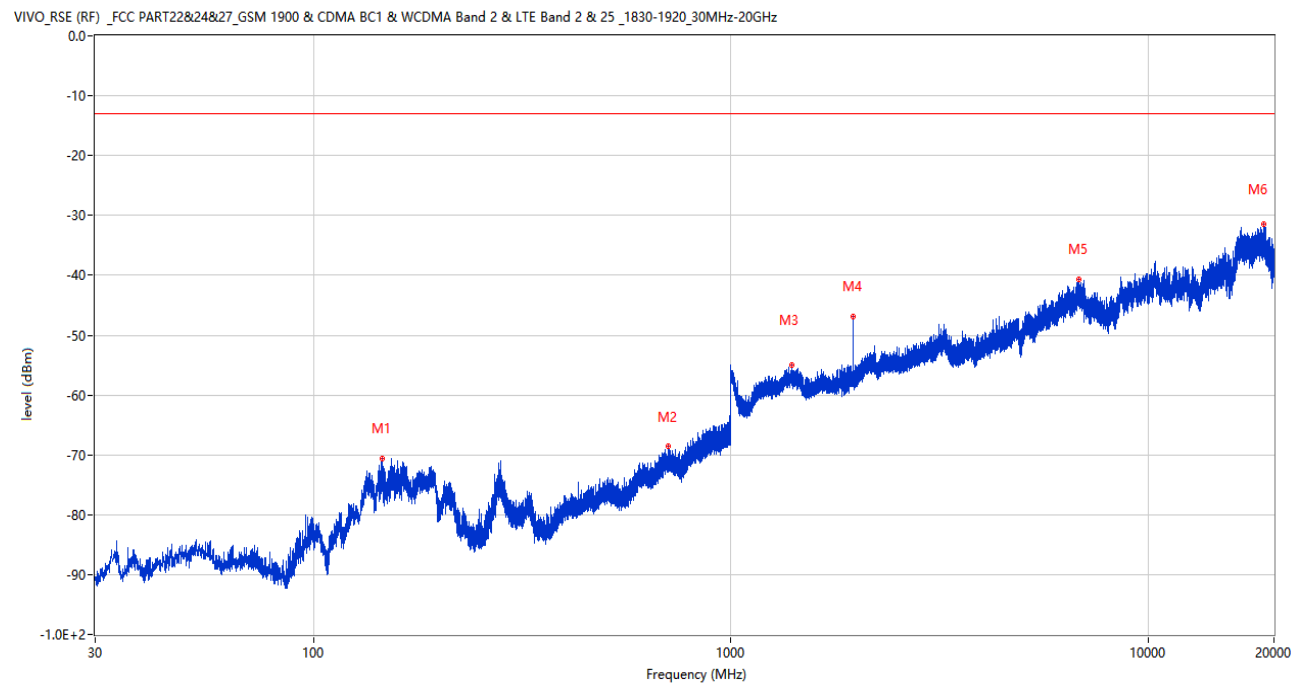
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.672	-70.95	-15.66	-13.0	-57.95	309.00	Vertical	Vertical	Pass
921.042	-64.48	2.52	-13.0	-51.48	271.00	Vertical	Vertical	Pass
1850.400	-38.56	-2.88	-13.0	-25.56	89.00	Vertical	Vertical	N/A
1930.300	-46.94	-2.70	-13.0	-33.94	221.00	Vertical	Vertical	N/A
6817.600	-40.63	13.11	-13.0	-27.63	71.00	Vertical	Vertical	Pass
18912.137	-31.19	25.09	-13.0	-18.19	270.00	Vertical	Vertical	Pass

21.2 EGPRS 1900 Middle Channel

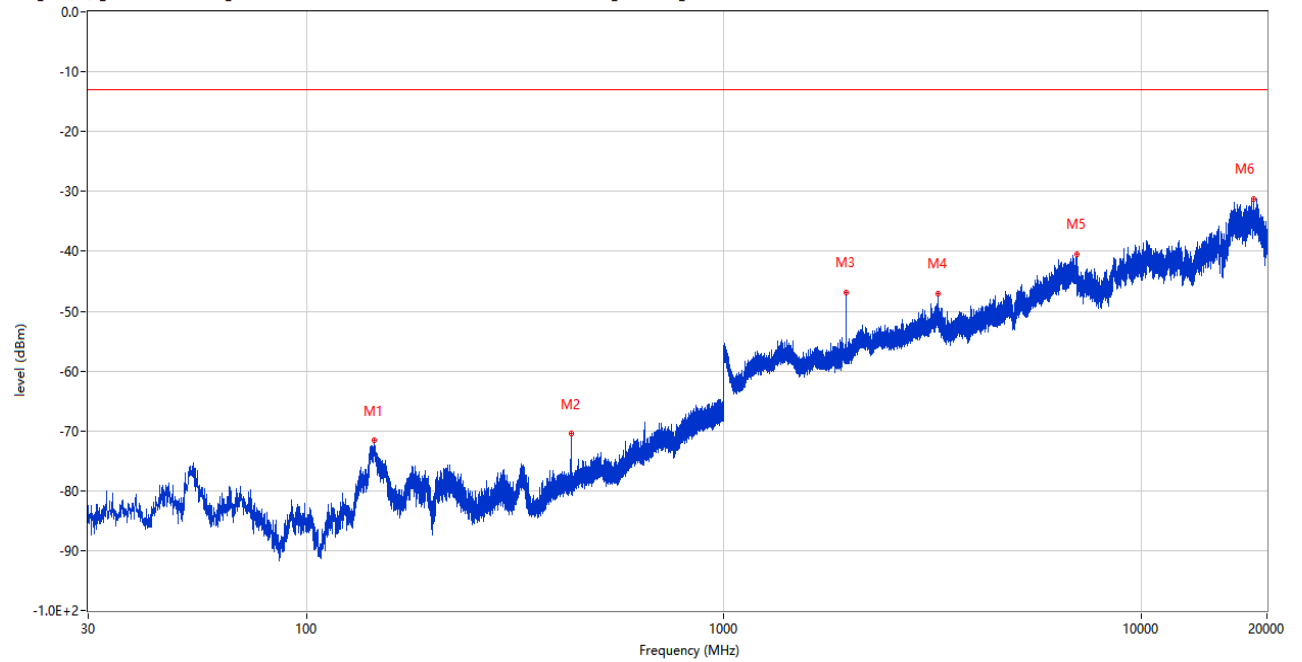
RSE-H&H EGPRS 1900 CH661



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
145.721	-70.60	-15.66	-13.0	-57.60	168.00	Horizontal	Horizontal	Pass
709.242	-68.59	-0.88	-13.0	-55.59	149.00	Horizontal	Horizontal	Pass
1400.900	-54.99	-3.34	-13.0	-41.99	329.00	Horizontal	Horizontal	Pass
1960.100	-46.80	-3.59	-13.0	-33.80	178.00	Horizontal	Horizontal	N/A
6812.000	-40.74	13.17	-13.0	-27.74	320.00	Horizontal	Horizontal	Pass
18943.676	-31.52	25.07	-13.0	-18.52	3.00	Horizontal	Horizontal	Pass

RSE-V&V EGPRS 1900 CH661

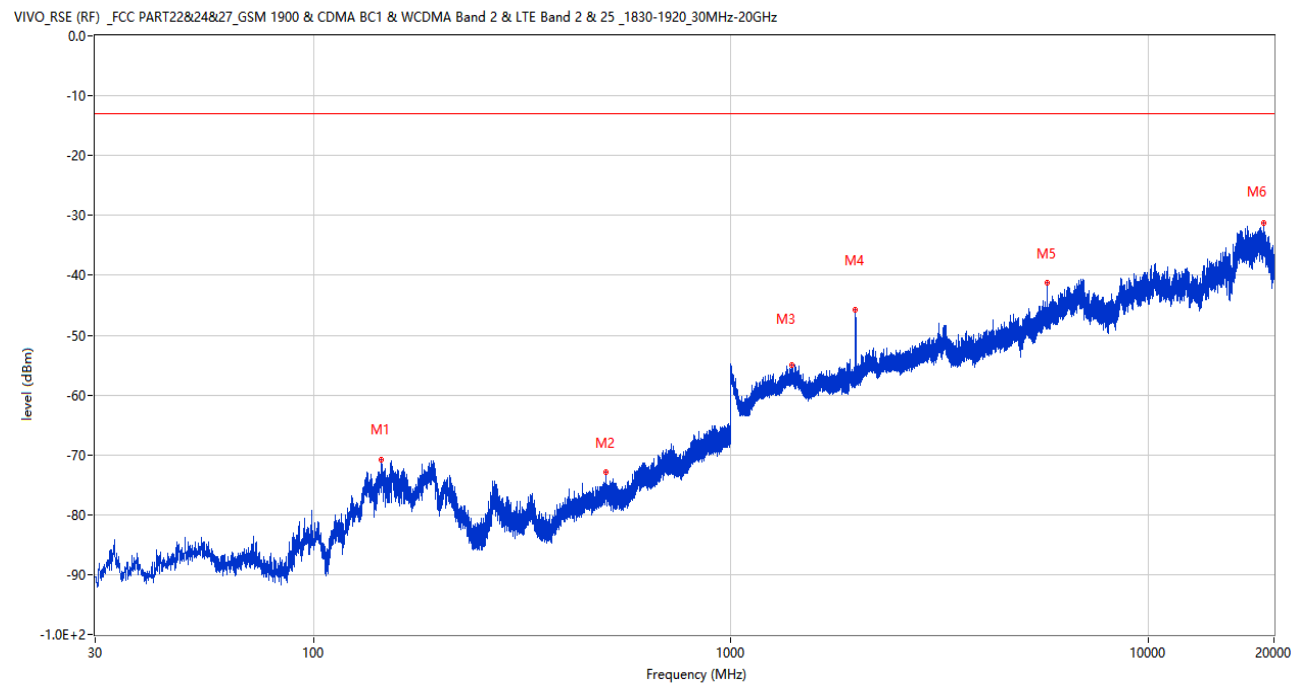
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-71.65	-15.66	-13.0	-58.65	360.00	Vertical	Vertical	Pass
429.979	-70.46	-8.70	-13.0	-57.46	276.00	Vertical	Vertical	Pass
1960.300	-46.92	-3.60	-13.0	-33.92	212.00	Vertical	Vertical	N/A
3259.600	-47.07	5.54	-13.0	-34.07	289.00	Vertical	Vertical	Pass
6998.800	-40.54	13.94	-13.0	-27.54	256.00	Vertical	Vertical	Pass
18624.676	-31.30	25.24	-13.0	-18.30	236.00	Vertical	Vertical	Pass

21.3 EGPRS 1900 High Channel

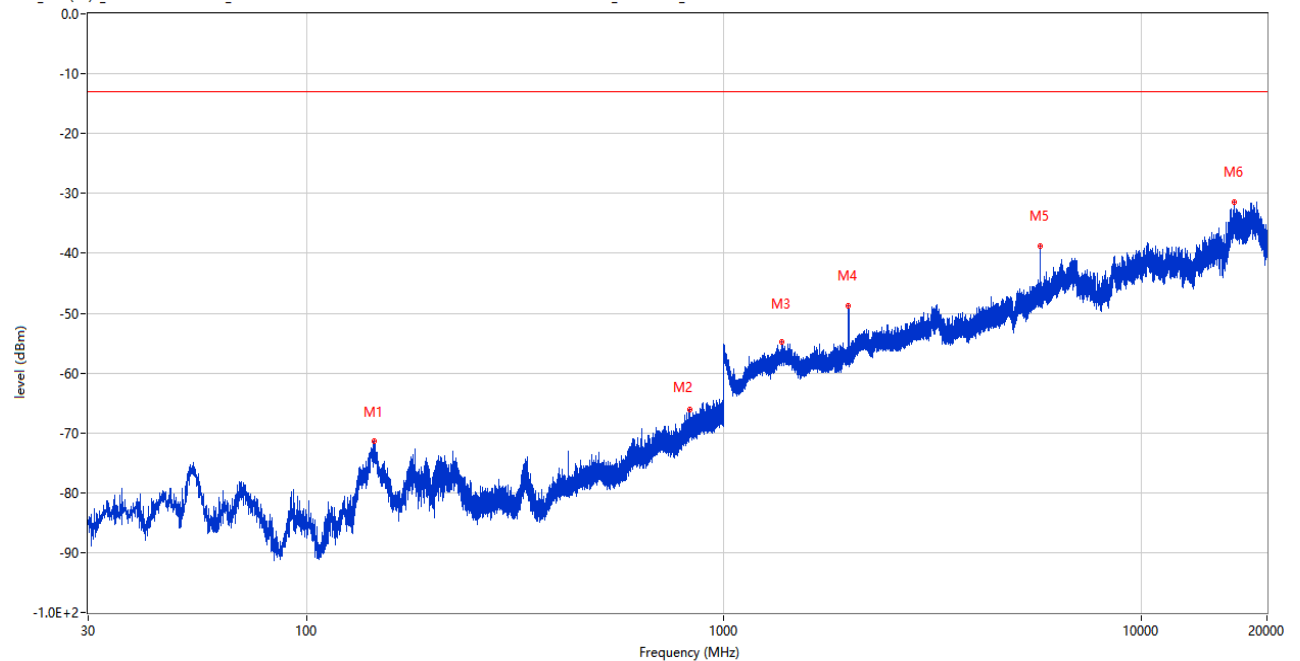
RSE-H&H EGPRS 1900 CH810



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.88	-15.65	-13.0	-57.88	195.00	Horizontal	Horizontal	Pass
502.293	-72.81	-6.29	-13.0	-59.81	317.00	Horizontal	Horizontal	Pass
1399.800	-55.07	-3.33	-13.0	-42.07	245.00	Horizontal	Horizontal	Pass
1989.900	-45.68	-3.65	-13.0	-32.68	163.00	Horizontal	Horizontal	N/A
5729.400	-41.29	8.39	-13.0	-28.29	296.00	Horizontal	Horizontal	Pass
18937.874	-31.30	25.07	-13.0	-18.30	199.00	Horizontal	Horizontal	Pass

RSE-V&V EGPRS 1900 CH810

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



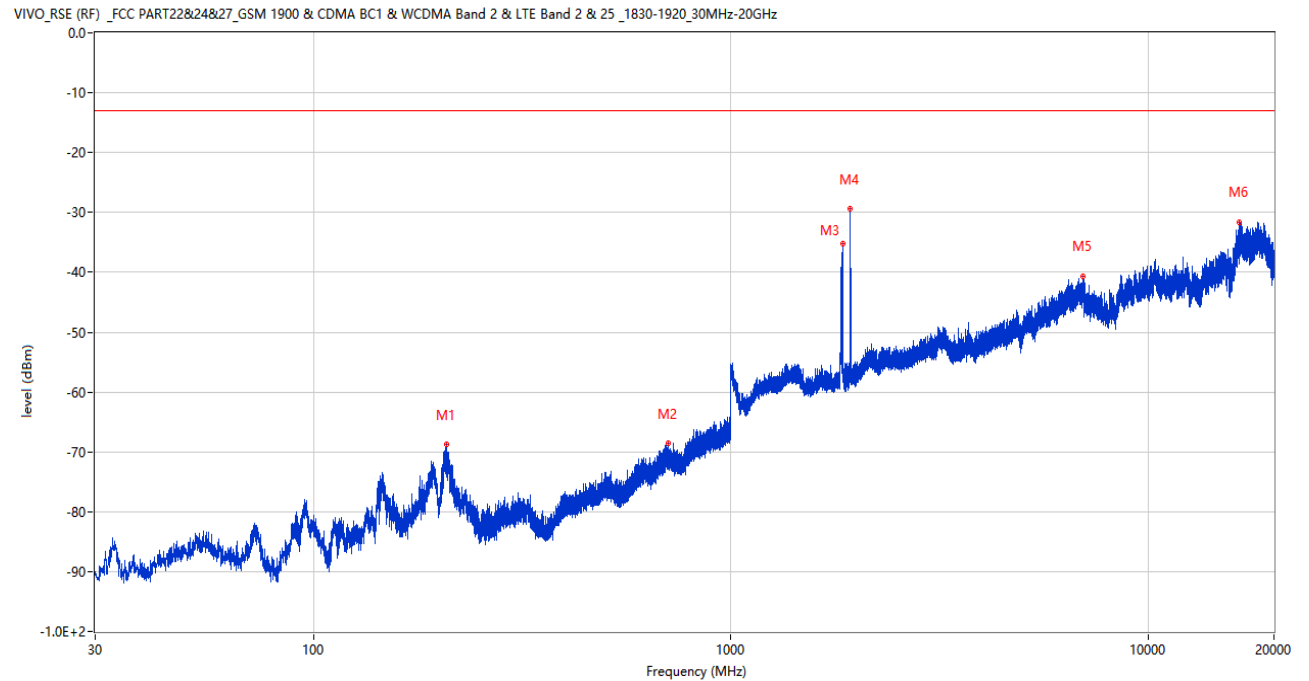
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.28	-15.66	-13.0	-58.28	305.00	Vertical	Vertical	Pass
830.444	-66.13	1.26	-13.0	-53.13	158.00	Vertical	Vertical	Pass
1377.800	-54.82	-3.55	-13.0	-41.82	360.00	Vertical	Vertical	Pass
1989.800	-48.82	-3.65	-13.0	-35.82	221.00	Vertical	Vertical	N/A
5729.600	-38.86	8.38	-13.0	-25.86	352.00	Vertical	Vertical	Pass
16710.313	-31.42	25.58	-13.0	-18.42	47.00	Vertical	Vertical	Pass

WCDMA

22 WCDMA Band 2

22.1 WCDMA Band 2 Low Channel

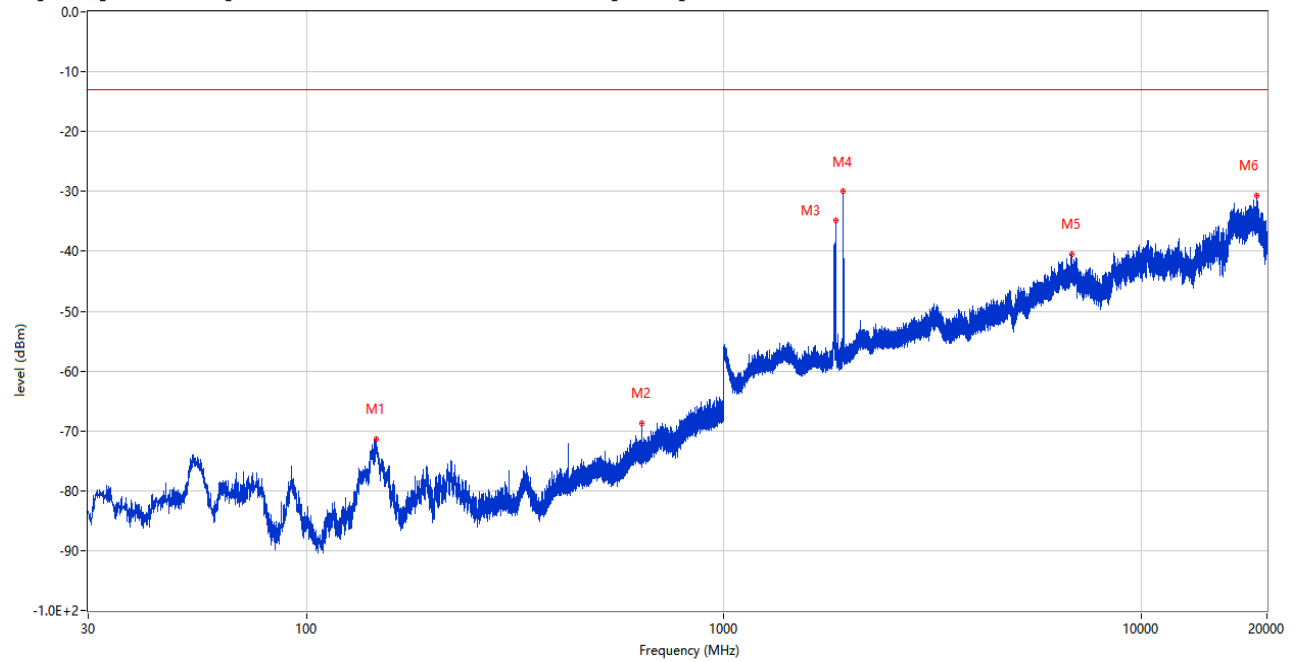
RSE-H&H WCDMA Band 2 CH9262



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
208.140	-68.75	-15.89	-13.0	-55.75	96.00	Horizontal	Horizontal	Pass
708.515	-68.62	-0.87	-13.0	-55.62	329.00	Horizontal	Horizontal	Pass
1853.800	-35.28	-2.85	-13.0	-22.28	354.00	Horizontal	Horizontal	N/A
1931.400	-29.46	-3.08	-13.0	-16.46	224.00	Horizontal	Horizontal	N/A
6987.200	-40.63	13.61	-13.0	-27.63	117.00	Horizontal	Horizontal	Pass
16535.588	-31.72	23.98	-13.0	-18.72	193.00	Horizontal	Horizontal	Pass

RSE-V&V WCDMA Band 2 CH9262

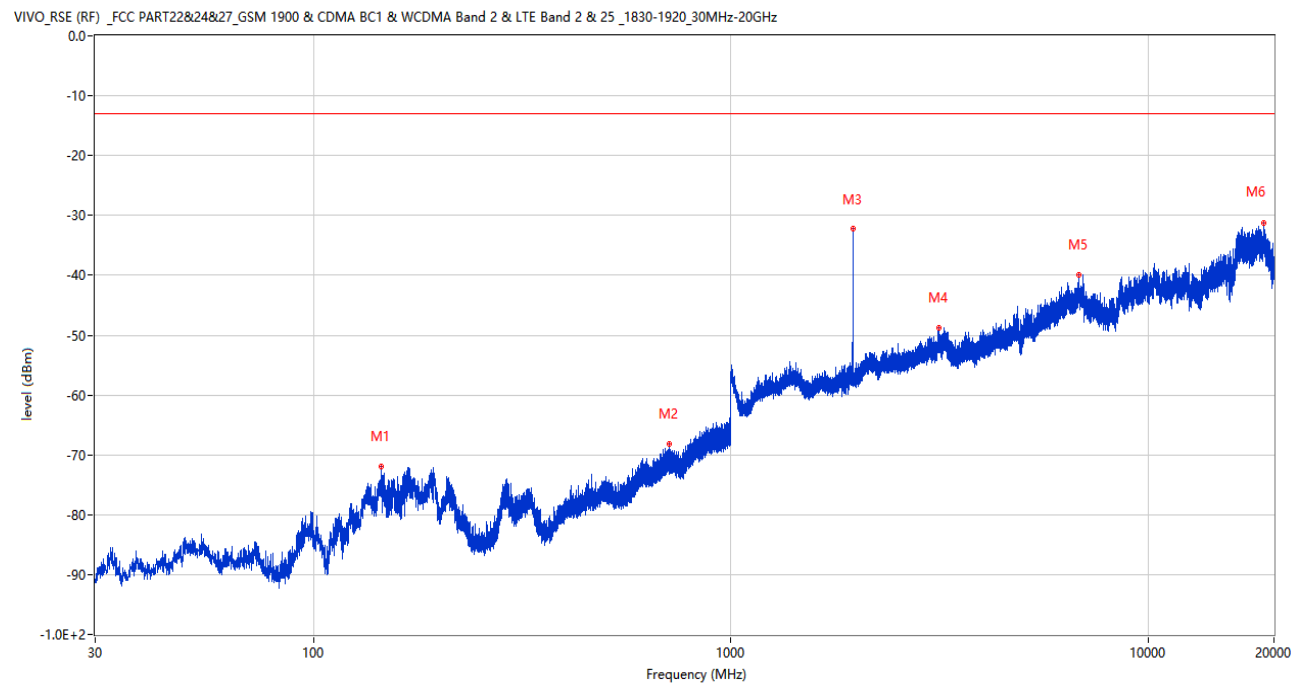
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
146.546	-71.45	-15.71	-13.0	-58.45	359.00	Vertical	Vertical	Pass
636.007	-68.70	-3.46	-13.0	-55.70	359.00	Vertical	Vertical	Pass
1853.900	-34.80	-2.85	-13.0	-21.80	129.00	Vertical	Vertical	N/A
1933.500	-30.00	-3.31	-13.0	-17.00	107.00	Vertical	Vertical	N/A
6822.400	-40.47	13.04	-13.0	-27.47	246.00	Vertical	Vertical	Pass
18929.177	-30.72	25.08	-13.0	-17.72	191.00	Vertical	Vertical	Pass

22.2 WCDMA Band 2 Middle Channel

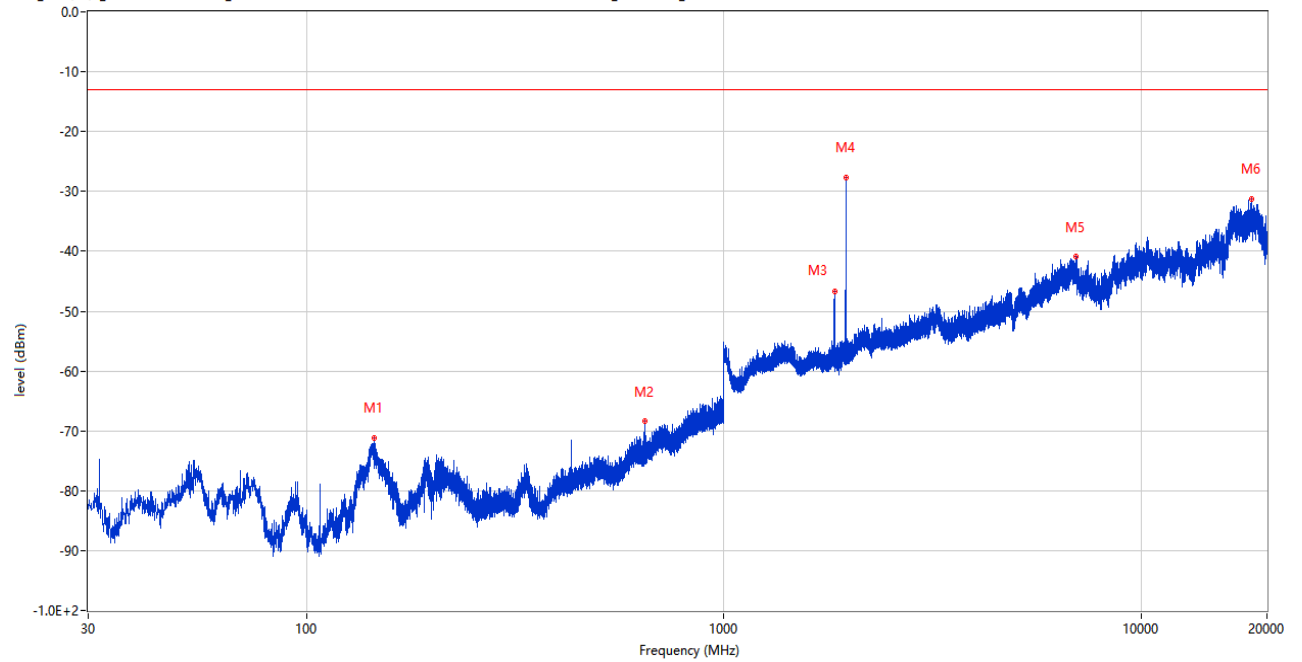
RSE-H&H WCDMA Band 2 CH9400



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
145.672	-71.93	-15.66	-13.0	-58.93	149.00	Horizontal	Horizontal	Pass
710.649	-68.23	-0.84	-13.0	-55.23	210.00	Horizontal	Horizontal	Pass
1959.200	-32.14	-3.60	-13.0	-19.14	360.00	Horizontal	Horizontal	N/A
3158.000	-48.87	6.08	-13.0	-35.87	51.00	Horizontal	Horizontal	Pass
6800.600	-39.98	13.16	-13.0	-26.98	151.00	Horizontal	Horizontal	Pass
18926.637	-31.22	25.08	-13.0	-18.22	0.00	Horizontal	Horizontal	Pass

RSE-V&V WCDMA Band 2 CH9400

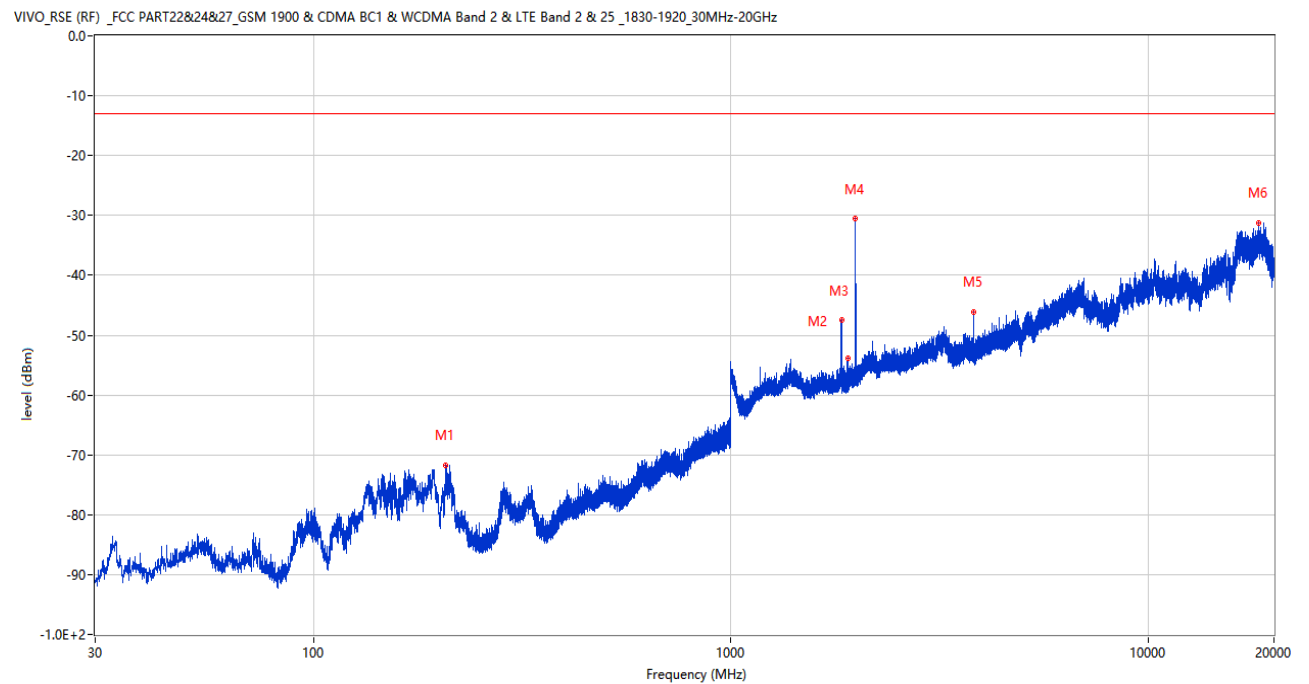
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.16	-15.66	-13.0	-58.16	13.00	Vertical	Vertical	Pass
645.028	-68.40	-3.33	-13.0	-55.40	0.00	Vertical	Vertical	Pass
1841.300	-46.72	-2.93	-13.0	-33.72	81.00	Vertical	Vertical	Pass
1960.900	-27.71	-3.62	-13.0	-14.71	146.00	Vertical	Vertical	N/A
6969.800	-40.89	13.16	-13.0	-27.89	170.00	Vertical	Vertical	Pass
18344.825	-31.28	25.40	-13.0	-18.28	185.00	Vertical	Vertical	Pass

22.3 WCDMA Band 2 High Channel

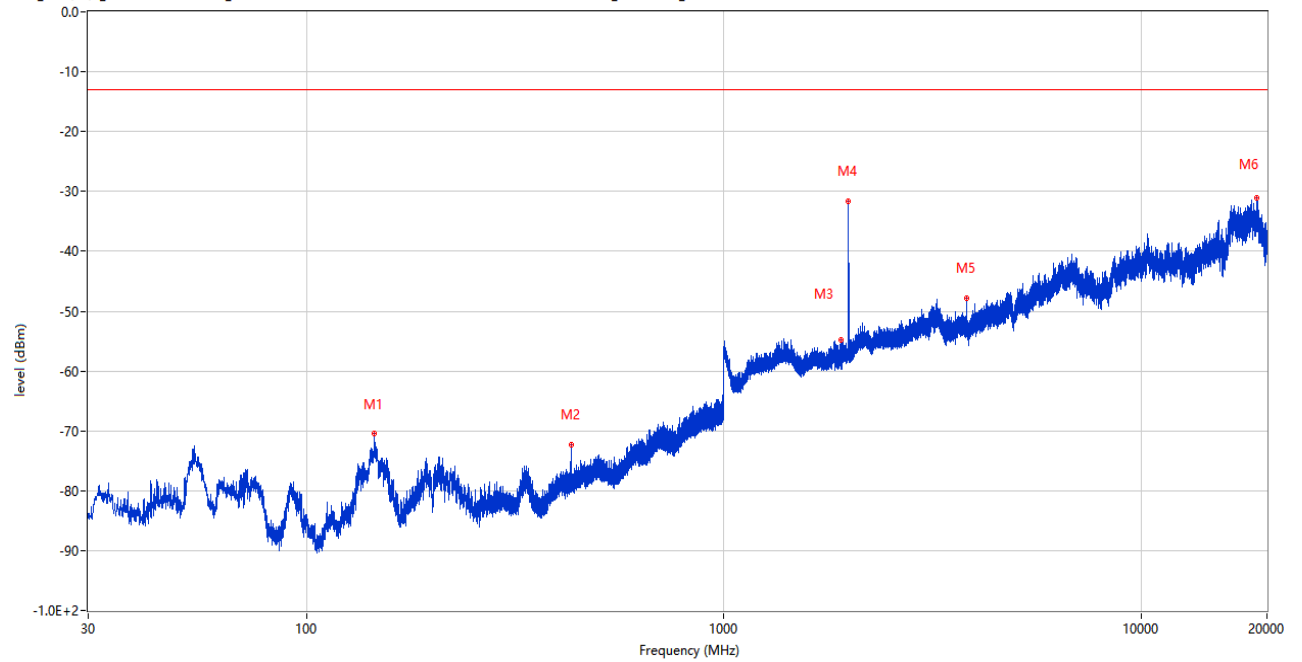
RSE-H&H WCDMA Band 2 CH9538



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
207.801	-71.74	-15.97	-13.0	-58.74	267.00	Horizontal	Horizontal	Pass
1839.500	-47.43	-3.25	-13.0	-34.43	343.00	Horizontal	Horizontal	Pass
1907.700	-53.93	-2.43	-13.0	-40.93	64.00	Horizontal	Horizontal	N/A
1986.700	-30.56	-3.60	-13.0	-17.56	204.00	Horizontal	Horizontal	N/A
3813.200	-46.08	4.37	-13.0	-33.08	276.00	Horizontal	Horizontal	Pass
18378.537	-31.27	25.38	-13.0	-18.27	360.00	Horizontal	Horizontal	Pass

RSE-V&V WCDMA Band 2 CH9538

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

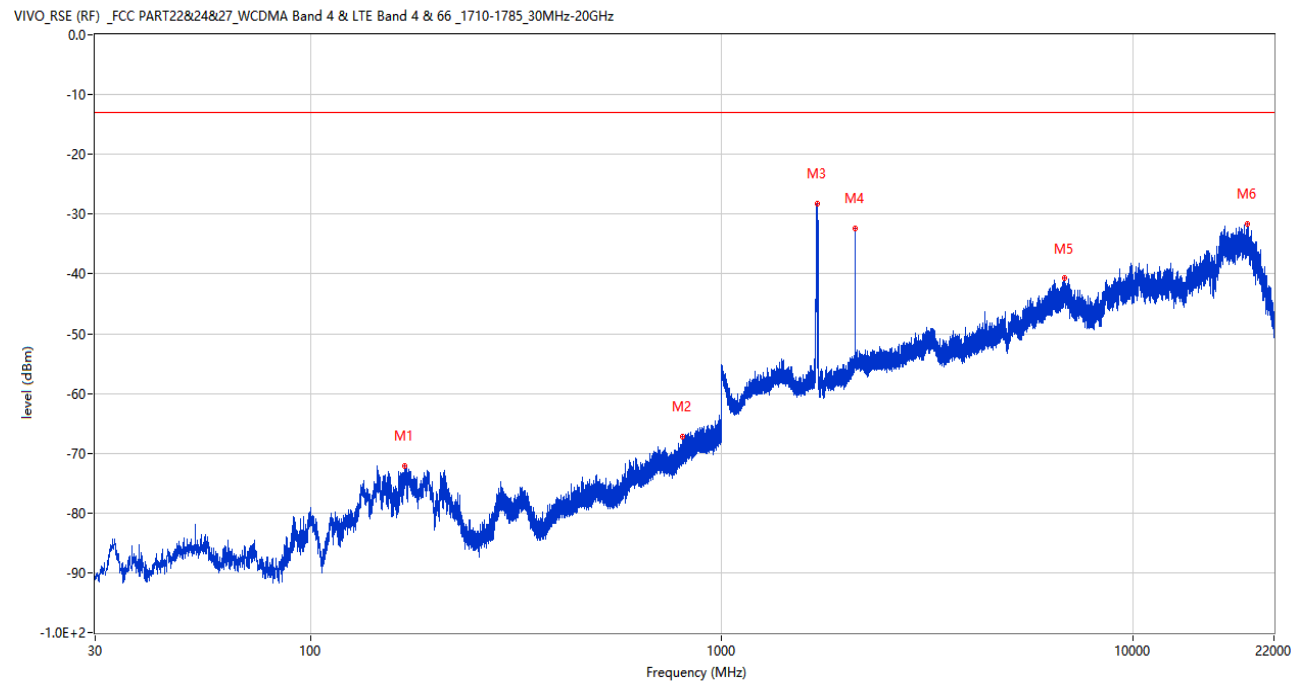


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.48	-15.65	-13.0	-57.48	320.00	Vertical	Vertical	Pass
429.979	-72.25	-8.70	-13.0	-59.25	3.00	Vertical	Vertical	Pass
1906.800	-54.81	-2.43	-13.0	-41.81	156.00	Vertical	Vertical	N/A
1988.400	-31.59	-3.64	-13.0	-18.59	227.00	Vertical	Vertical	N/A
3813.600	-47.92	4.36	-13.0	-34.92	168.00	Vertical	Vertical	Pass
18941.499	-31.12	25.07	-13.0	-18.12	3.00	Vertical	Vertical	Pass

23 WCDMA Band 4

23.1 WCDMA Band 4 Low Channel

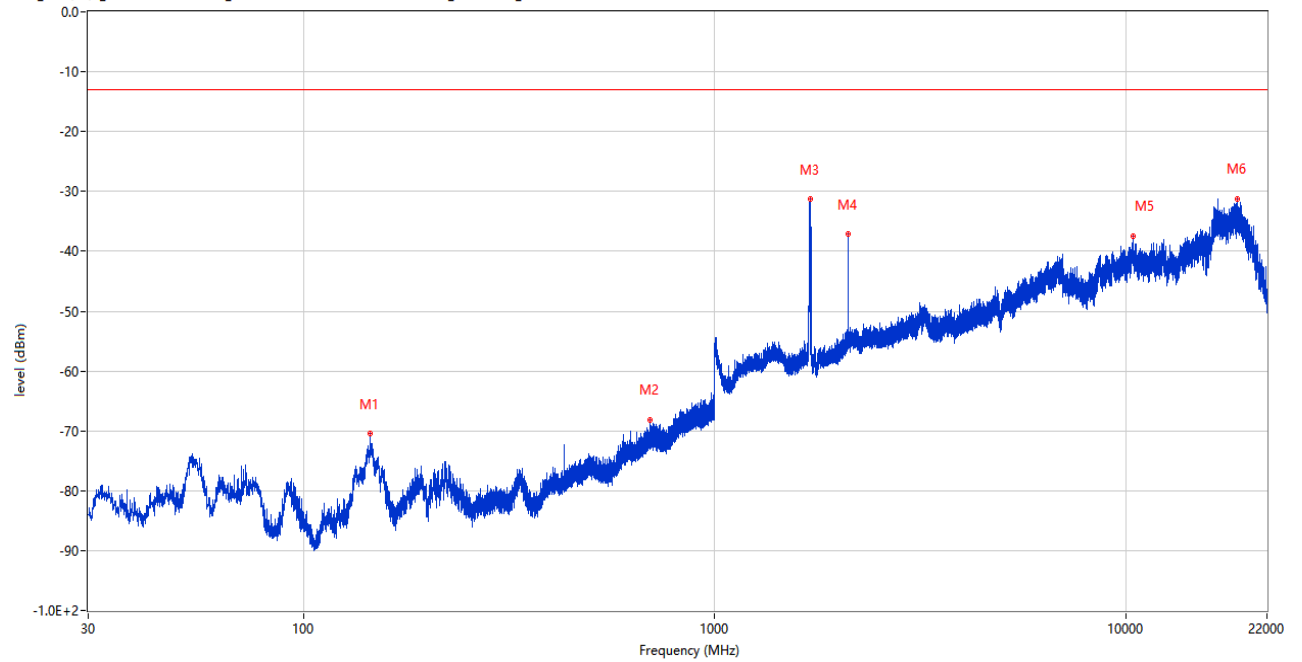
RSE-H&H WCDMA Band 4 CH1312



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
169.922	-72.05	-15.60	-13.0	-59.05	150.00	Horizontal	Horizontal	Pass
804.011	-67.29	0.18	-13.0	-54.29	175.00	Horizontal	Horizontal	Pass
1703.700	-28.21	-2.95	-13.0	-15.21	311.00	Horizontal	Horizontal	N/A
2113.900	-32.30	-0.99	-13.0	-19.30	163.00	Horizontal	Horizontal	N/A
6817.600	-40.74	13.11	-13.0	-27.74	244.00	Horizontal	Horizontal	Pass
18930.387	-31.69	25.07	-13.0	-18.69	196.00	Horizontal	Horizontal	Pass

RSE-H&V WCDMA Band 4 CH1312

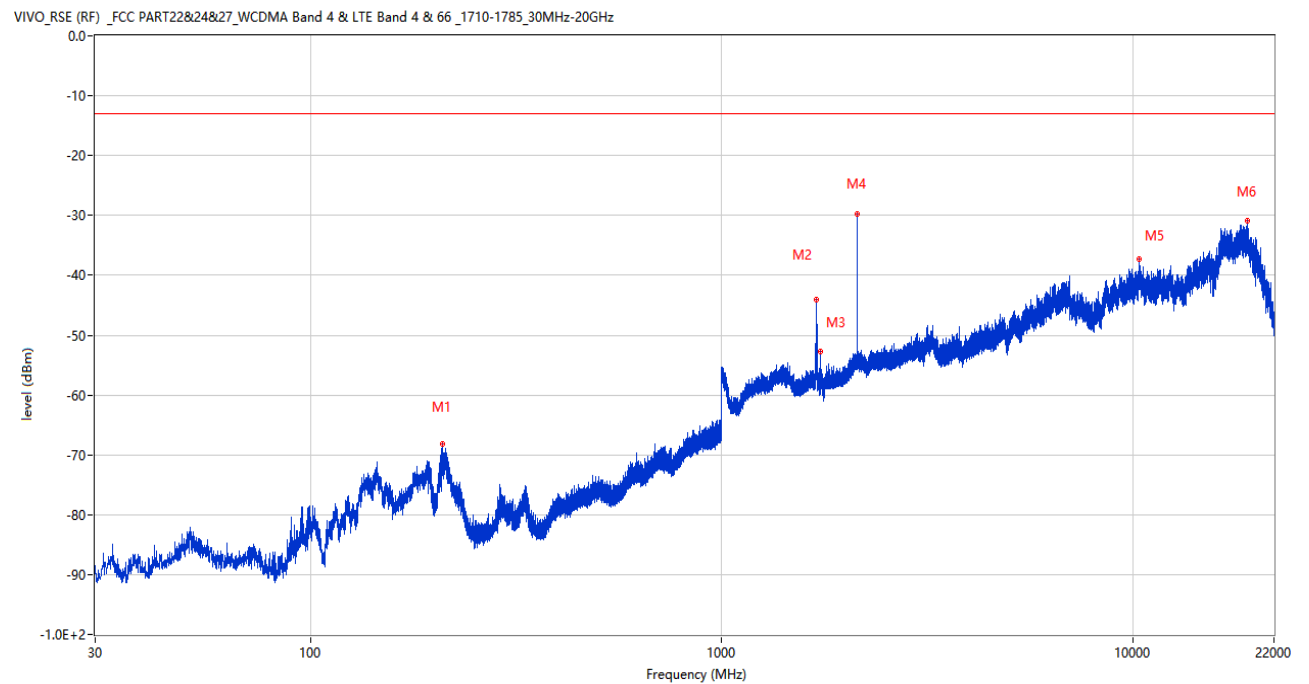
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-70.52	-15.60	-13.0	-57.52	343.00	Vertical	Vertical	Pass
697.845	-68.09	-0.83	-13.0	-55.09	38.00	Vertical	Vertical	Pass
1703.600	-31.32	-2.95	-13.0	-18.32	85.00	Vertical	Vertical	N/A
2112.900	-37.14	-0.93	-13.0	-24.14	61.00	Vertical	Vertical	N/A
10376.401	-37.51	19.04	-13.0	-24.51	286.00	Vertical	Vertical	Pass
18614.036	-31.29	25.25	-13.0	-18.29	64.00	Vertical	Vertical	Pass

23.2 WCDMA Band 4 Middle Channel

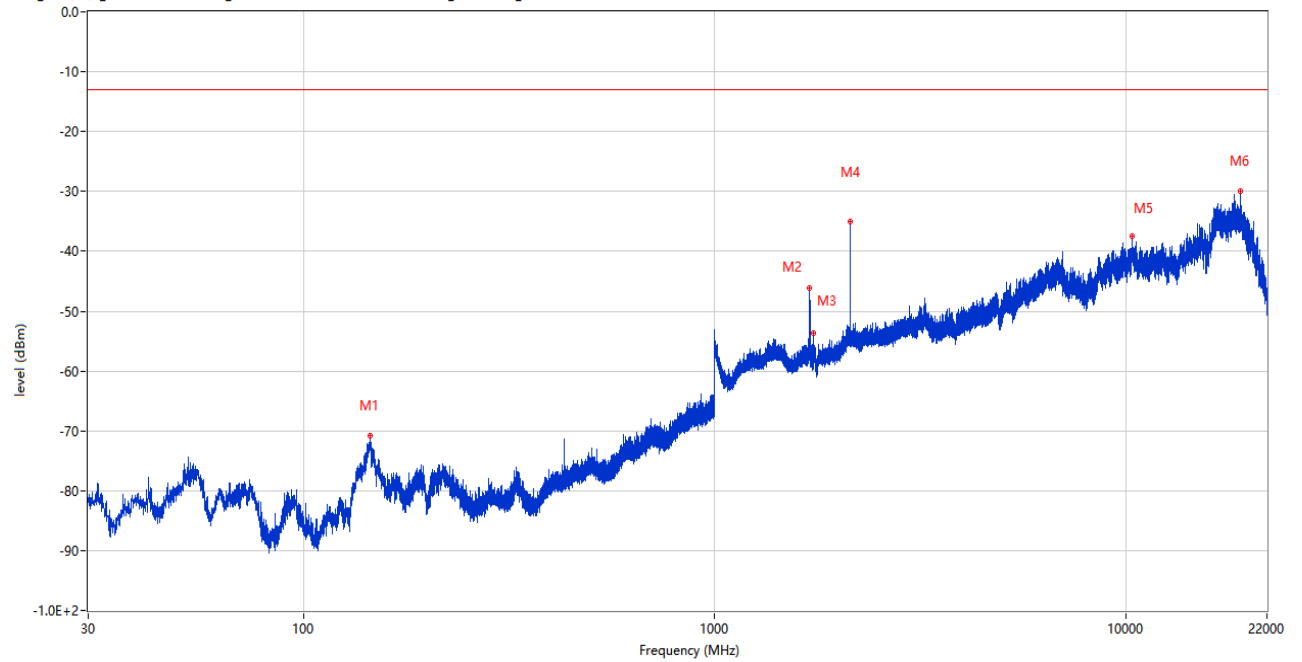
RSE-H&H WCDMA Band 4 CH1412



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
209.644	-68.12	-15.58	-13.0	-55.12	204.00	Horizontal	Horizontal	Pass
1701.600	-44.03	-3.21	-13.0	-31.03	324.00	Horizontal	Horizontal	Pass
1734.200	-52.81	-3.35	-13.0	-39.81	314.00	Horizontal	Horizontal	N/A
2131.700	-29.77	-1.21	-13.0	-16.77	224.00	Horizontal	Horizontal	N/A
10335.287	-37.25	19.34	-13.0	-24.25	360.00	Horizontal	Horizontal	Pass
18933.625	-30.87	25.07	-13.0	-17.87	211.00	Horizontal	Horizontal	Pass

RSE-V&V WCDMA Band 4 CH1412

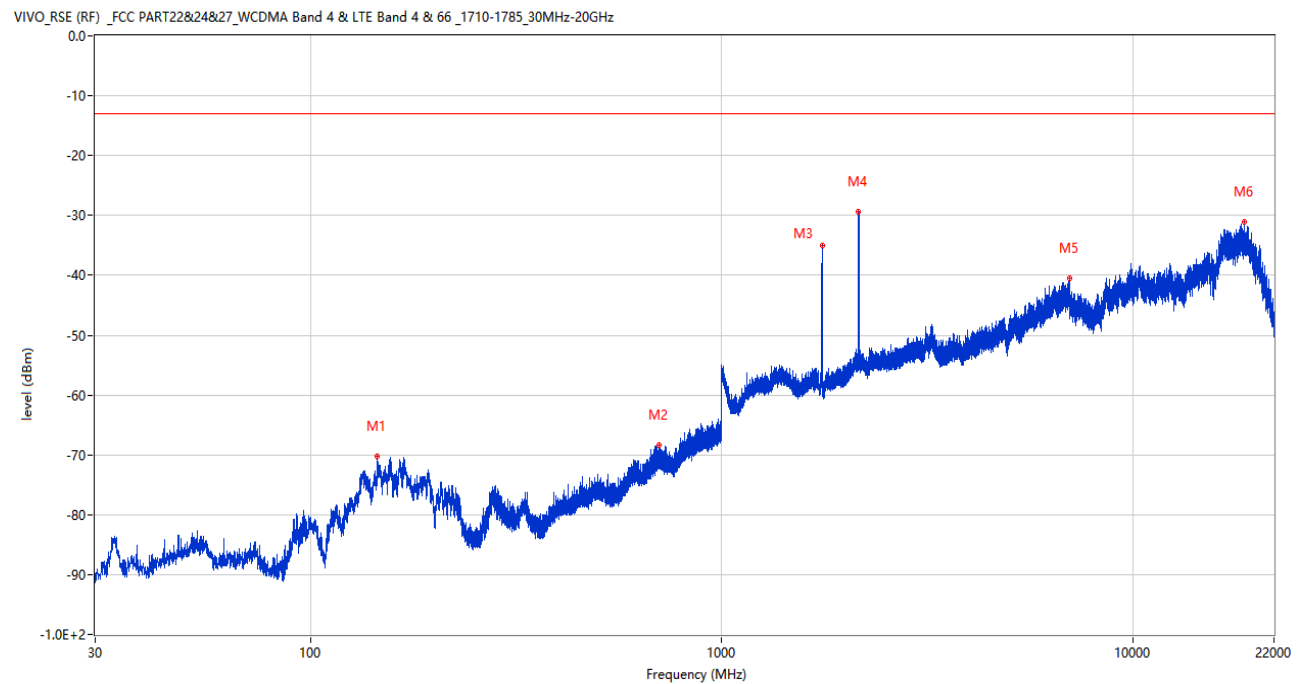
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-70.82	-15.60	-13.0	-57.82	351.00	Vertical	Vertical	Pass
1702.700	-46.07	-2.94	-13.0	-33.07	159.00	Vertical	Vertical	Pass
1734.100	-53.60	-3.35	-13.0	-40.60	319.00	Vertical	Vertical	N/A
2131.400	-35.12	-1.19	-13.0	-22.12	107.00	Vertical	Vertical	N/A
10334.713	-37.40	19.35	-13.0	-24.40	278.00	Vertical	Vertical	Pass
18933.625	-30.00	25.07	-13.0	-17.00	179.00	Vertical	Vertical	Pass

23.3 WCDMA Band 4 High Channel

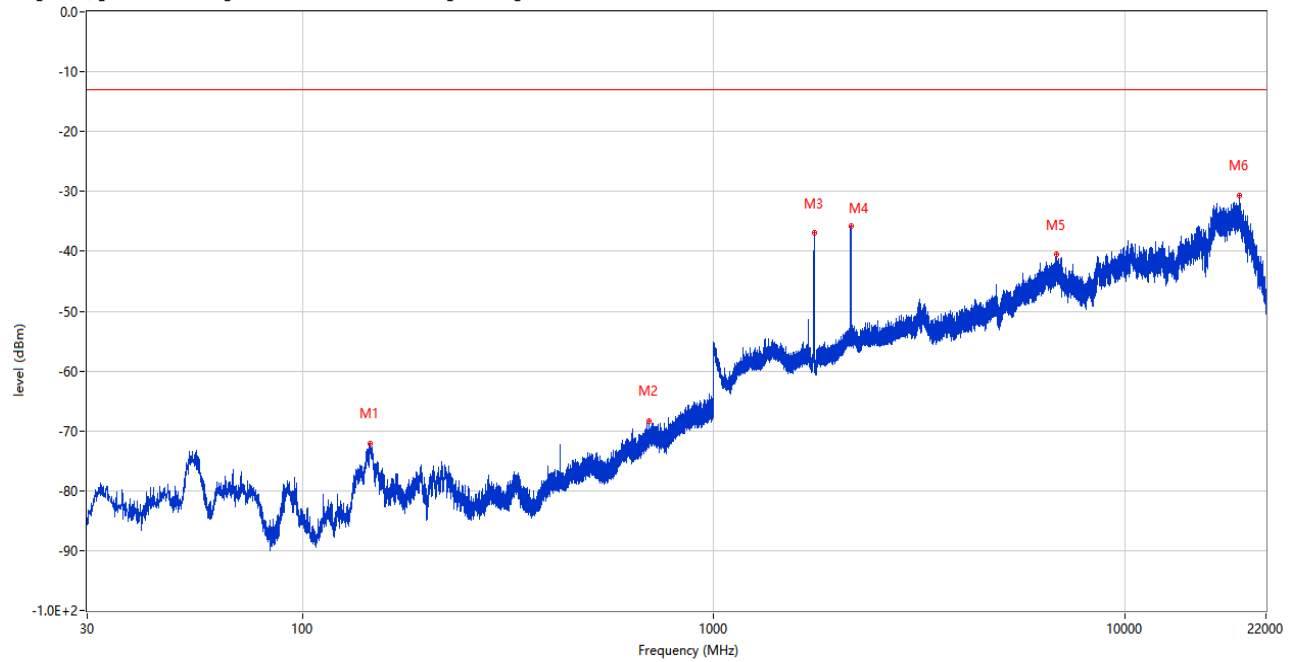
RSE-H&H WCDMA Band 4 CH1513



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-70.21	-15.59	-13.0	-57.21	155.00	Horizontal	Horizontal	Pass
703.617	-68.35	-0.74	-13.0	-55.35	20.00	Horizontal	Horizontal	Pass
1753.700	-35.12	-3.57	-13.0	-22.12	275.00	Horizontal	Horizontal	N/A
2153.200	-29.43	-0.99	-13.0	-16.43	233.00	Horizontal	Horizontal	N/A
6993.200	-40.52	13.92	-13.0	-27.52	95.00	Horizontal	Horizontal	Pass
18613.113	-31.14	25.25	-13.0	-18.14	39.00	Horizontal	Horizontal	Pass

RSE-V&V WCDMA Band 4 CH1513

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

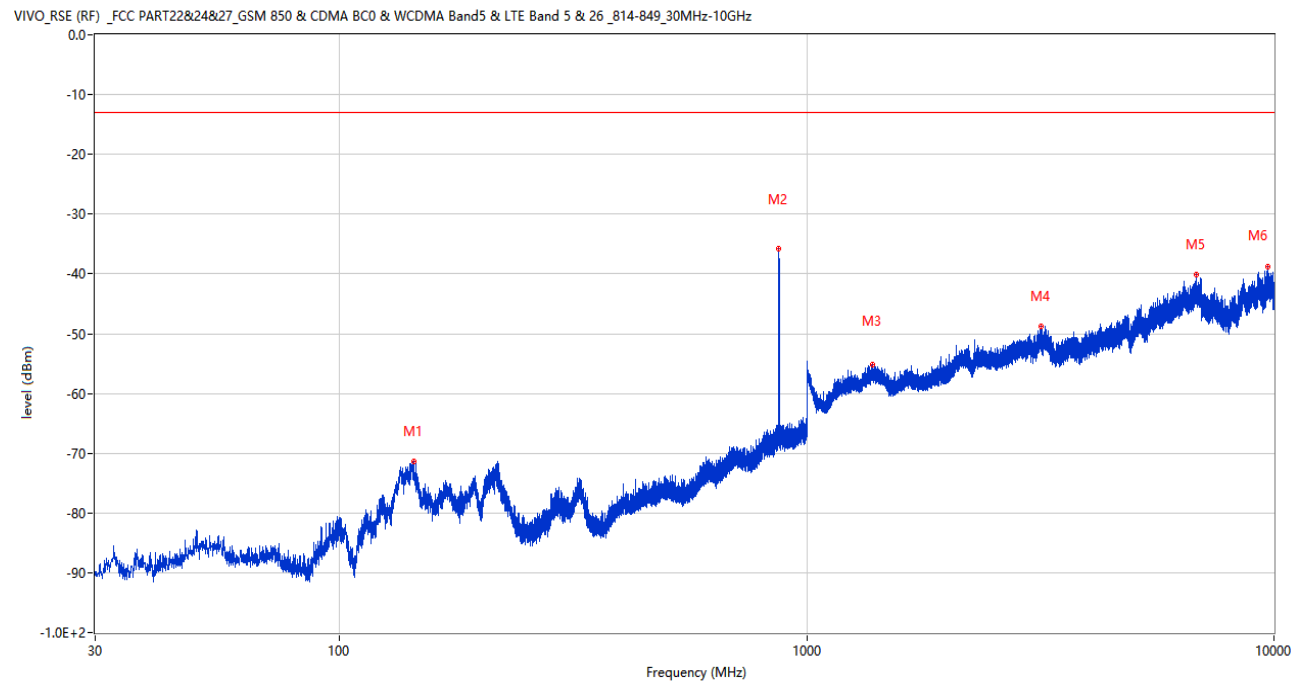


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
146.254	-72.06	-15.67	-13.0	-59.06	339.00	Vertical	Vertical	Pass
695.420	-68.34	-1.05	-13.0	-55.34	247.00	Vertical	Vertical	Pass
1753.500	-36.98	-3.57	-13.0	-23.98	118.00	Vertical	Vertical	N/A
2154.400	-35.80	-0.89	-13.0	-22.80	101.00	Vertical	Vertical	N/A
6825.800	-40.57	12.82	-13.0	-27.57	189.00	Vertical	Vertical	Pass
18941.950	-30.72	25.07	-13.0	-17.72	83.00	Vertical	Vertical	Pass

24 WCDMA Band 5

24.1 WCDMA Band 5 Low Channel

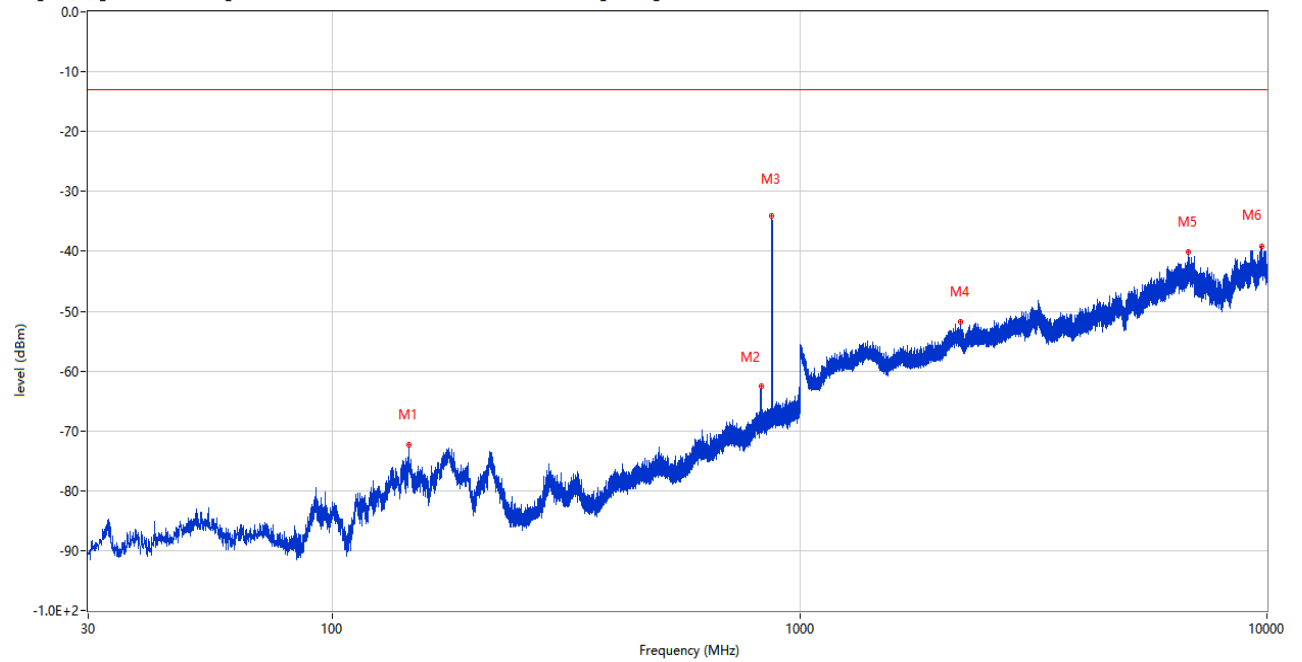
RSE-H&H WCDMA Band 5 CH4132



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
143.926	-71.35	-15.71	-13.0	-58.35	278.00	Horizontal	Horizontal	Pass
869.874	-35.72	2.25	-13.0	-22.72	5.00	Horizontal	Horizontal	N/A
1381.300	-55.19	-3.29	-13.0	-42.19	355.00	Horizontal	Horizontal	Pass
3172.800	-48.86	5.91	-13.0	-35.86	285.00	Horizontal	Horizontal	Pass
6817.800	-40.06	13.11	-13.0	-27.06	296.00	Horizontal	Horizontal	Pass
9685.000	-38.79	19.01	-13.0	-25.79	351.00	Horizontal	Horizontal	Pass

RSE-H&V WCDMA Band 5 CH4132

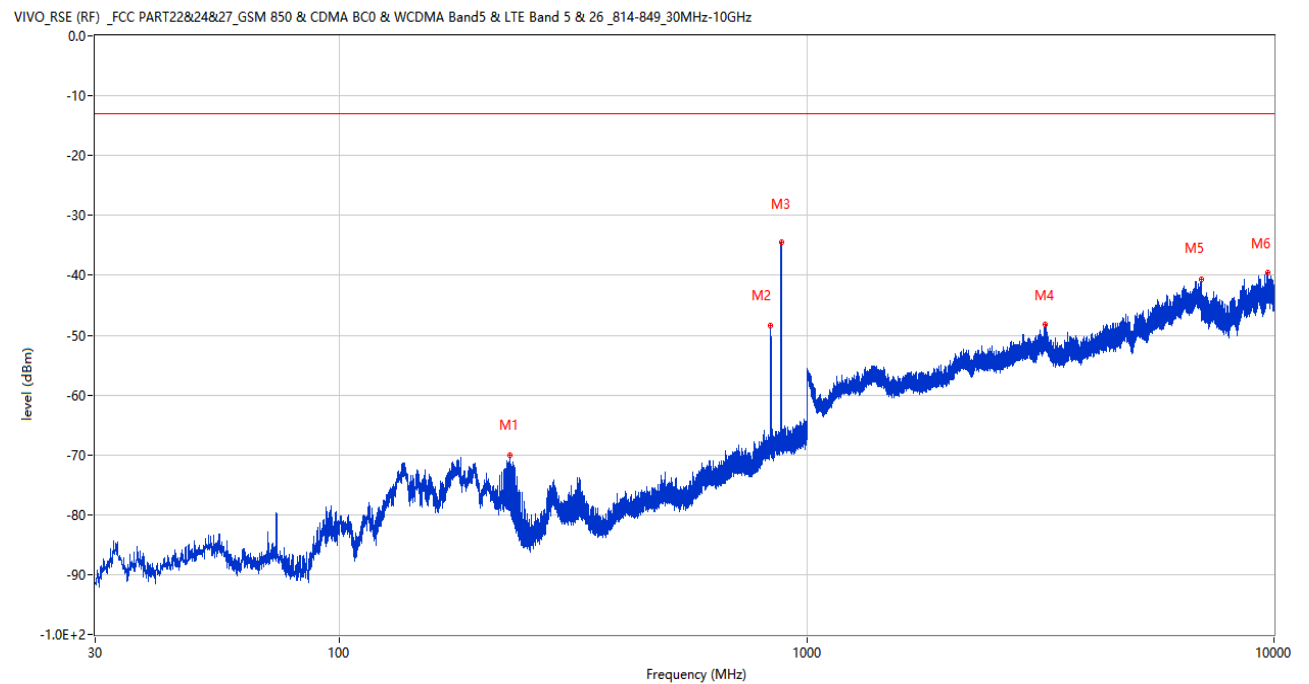
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-72.29	-15.66	-13.0	-59.29	163.00	Horizontal	Vertical	Pass
828.116	-62.45	2.07	-13.0	-49.45	168.00	Horizontal	Vertical	N/A
869.729	-34.17	2.24	-13.0	-21.17	9.00	Horizontal	Vertical	N/A
2204.800	-51.76	-0.25	-13.0	-38.76	216.00	Horizontal	Vertical	Pass
6798.600	-40.15	13.11	-13.0	-27.15	4.00	Horizontal	Vertical	Pass
9732.700	-39.17	18.41	-13.0	-26.17	116.00	Horizontal	Vertical	Pass

24.2 WCDMA Band 5 Middle Channel

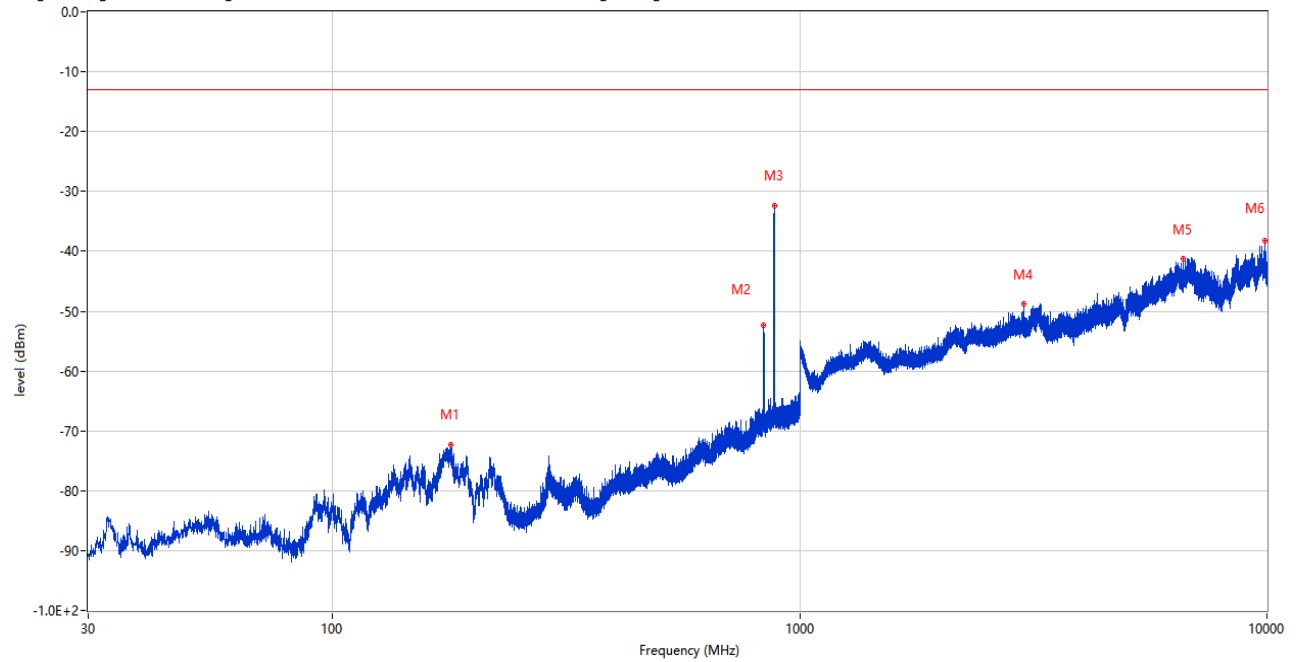
RSE-H&H WCDMA Band 5 CH4182



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
231.663	-69.97	-13.98	-13.0	-56.97	1.00	Horizontal	Horizontal	Pass
837.961	-48.46	2.20	-13.0	-35.46	220.00	Horizontal	Horizontal	N/A
881.854	-34.38	2.76	-13.0	-21.38	40.00	Horizontal	Horizontal	N/A
3231.800	-48.18	6.77	-13.0	-35.18	339.00	Horizontal	Horizontal	Pass
6995.600	-40.73	13.79	-13.0	-27.73	79.00	Horizontal	Horizontal	Pass
9679.000	-39.59	19.04	-13.0	-26.59	360.00	Horizontal	Horizontal	Pass

RSE-H&V WCDMA Band 5 CH4182

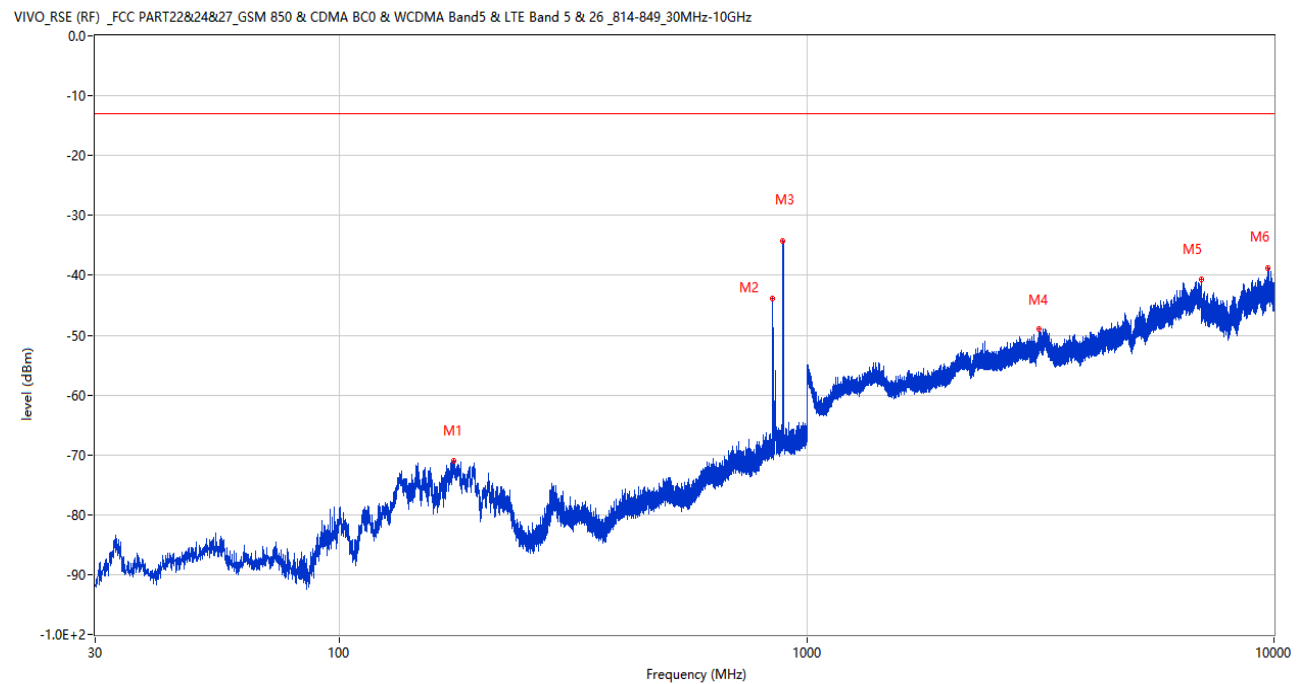
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
178.798	-72.26	-15.01	-13.0	-59.26	304.00	Horizontal	Vertical	Pass
836.894	-52.30	2.19	-13.0	-39.30	168.00	Horizontal	Vertical	N/A
882.048	-32.34	2.78	-13.0	-19.34	44.00	Horizontal	Vertical	N/A
3013.000	-48.80	3.75	-13.0	-35.80	93.00	Horizontal	Vertical	Pass
6614.200	-41.26	11.15	-13.0	-28.26	250.00	Horizontal	Vertical	Pass
9912.401	-38.24	18.82	-13.0	-25.24	360.00	Horizontal	Vertical	Pass

24.3 WCDMA Band 5 High Channel

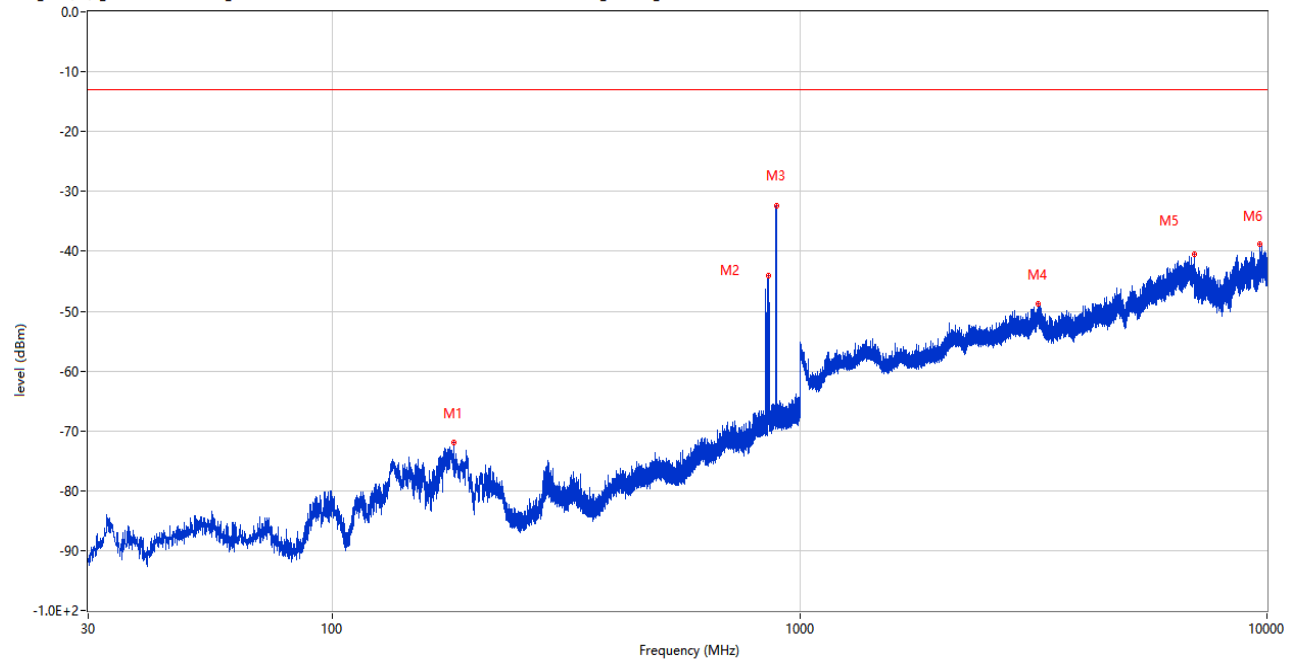
RSE-H&H WCDMA Band 5 CH4233



Frequency (MHz)	Result (dBm)	Factor(dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
175.888	-71.09	-15.14	-13.0	-58.09	145.00	Horizontal	Horizontal	Pass
846.449	-43.88	2.28	-13.0	-30.88	113.00	Horizontal	Horizontal	N/A
889.760	-34.33	2.51	-13.0	-21.33	55.00	Horizontal	Horizontal	N/A
3147.200	-49.01	5.27	-13.0	-36.01	136.00	Horizontal	Horizontal	Pass
6998.800	-40.66	13.94	-13.0	-27.66	285.00	Horizontal	Horizontal	Pass
9717.250	-38.86	18.53	-13.0	-25.86	176.00	Horizontal	Horizontal	Pass

RSE-H&V WCDMA Band 5 CH4233

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



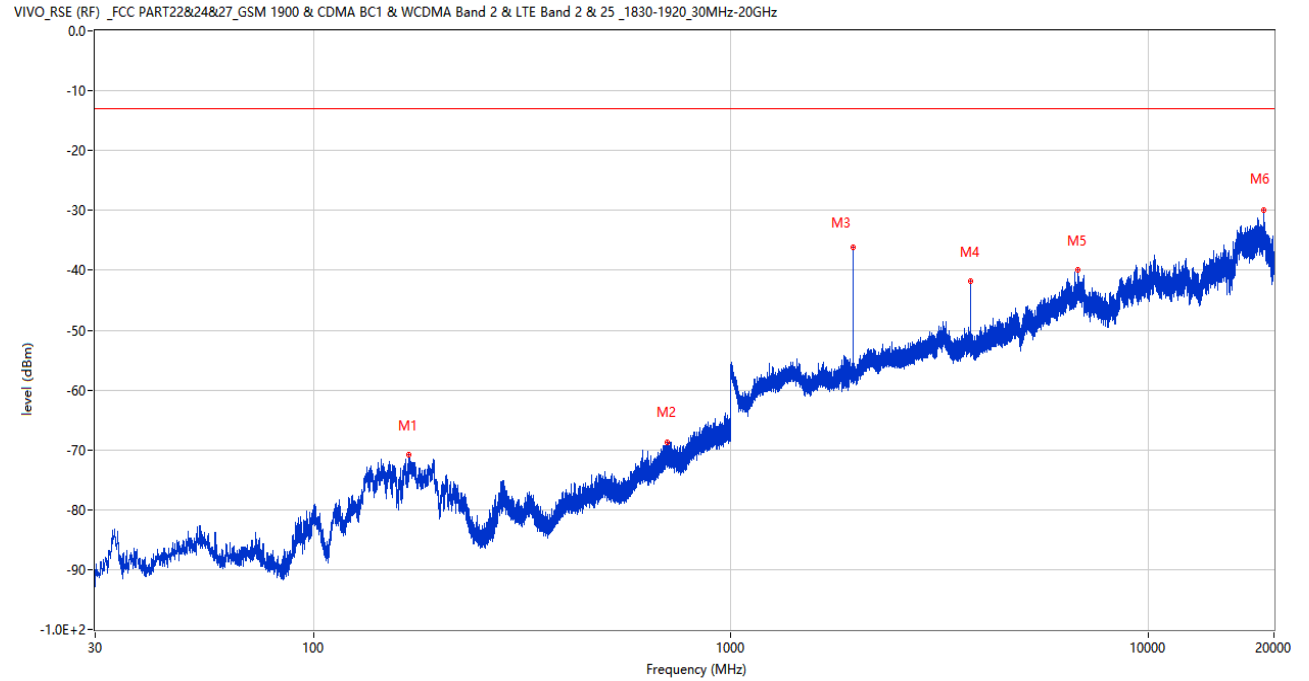
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.854	-72.03	-15.20	-13.0	-59.03	306.00	Horizontal	Vertical	Pass
857.507	-44.09	2.36	-13.0	-31.09	332.00	Horizontal	Vertical	N/A
891.942	-32.44	2.50	-13.0	-19.44	156.00	Horizontal	Vertical	N/A
3234.400	-48.77	6.73	-13.0	-35.77	153.00	Horizontal	Vertical	Pass
6998.200	-40.57	13.95	-13.0	-27.57	215.00	Horizontal	Vertical	Pass
9657.099	-38.80	18.39	-13.0	-25.80	360.00	Horizontal	Vertical	Pass

LTE

25 LTE Band 2

25.1 LTE Band 2 BW1.4, Middle Channel

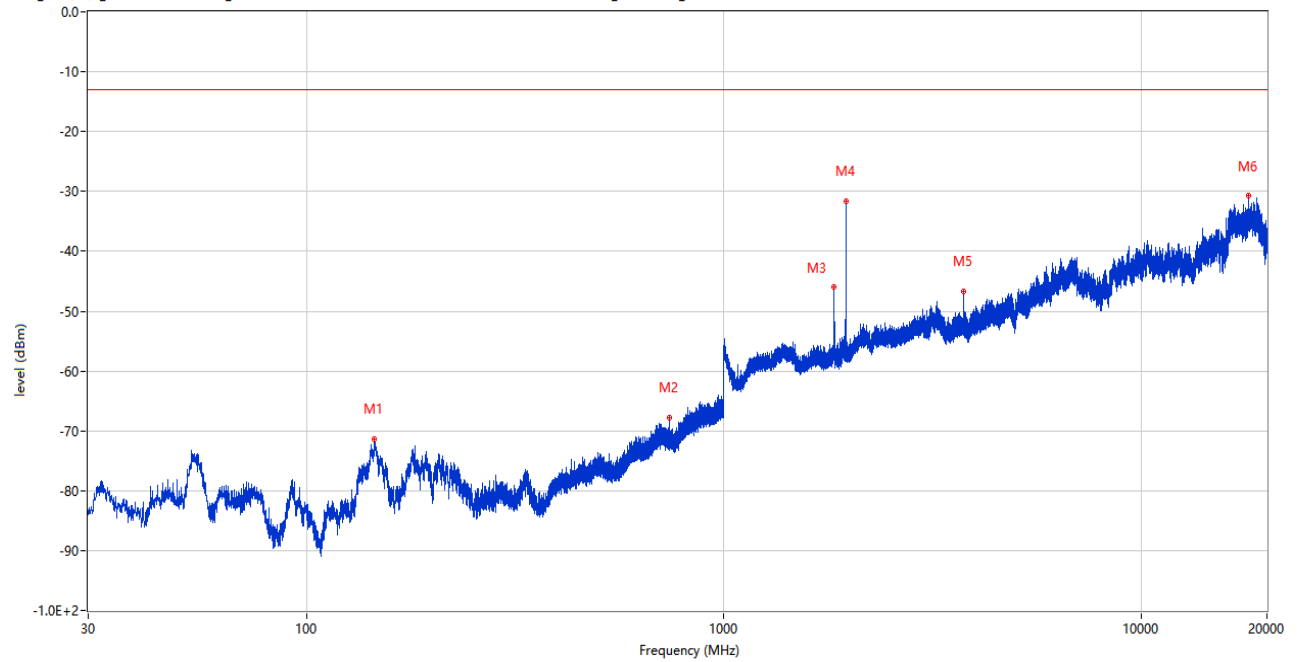
RSE-H&H LTE Band 2 BW1.4 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
169.292	-70.82	-15.64	-13.0	-57.82	150.00	Horizontal	Horizontal	Pass
702.210	-68.75	-0.75	-13.0	-55.75	120.00	Horizontal	Horizontal	Pass
1960.400	-36.18	-3.61	-13.0	-23.18	1.00	Horizontal	Horizontal	N/A
3759.200	-41.81	4.47	-13.0	-28.81	287.00	Horizontal	Horizontal	Pass
6792.600	-39.85	12.93	-13.0	-26.85	346.00	Horizontal	Horizontal	Pass
18942.949	-29.91	25.07	-13.0	-16.91	21.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW1.4 CH18900

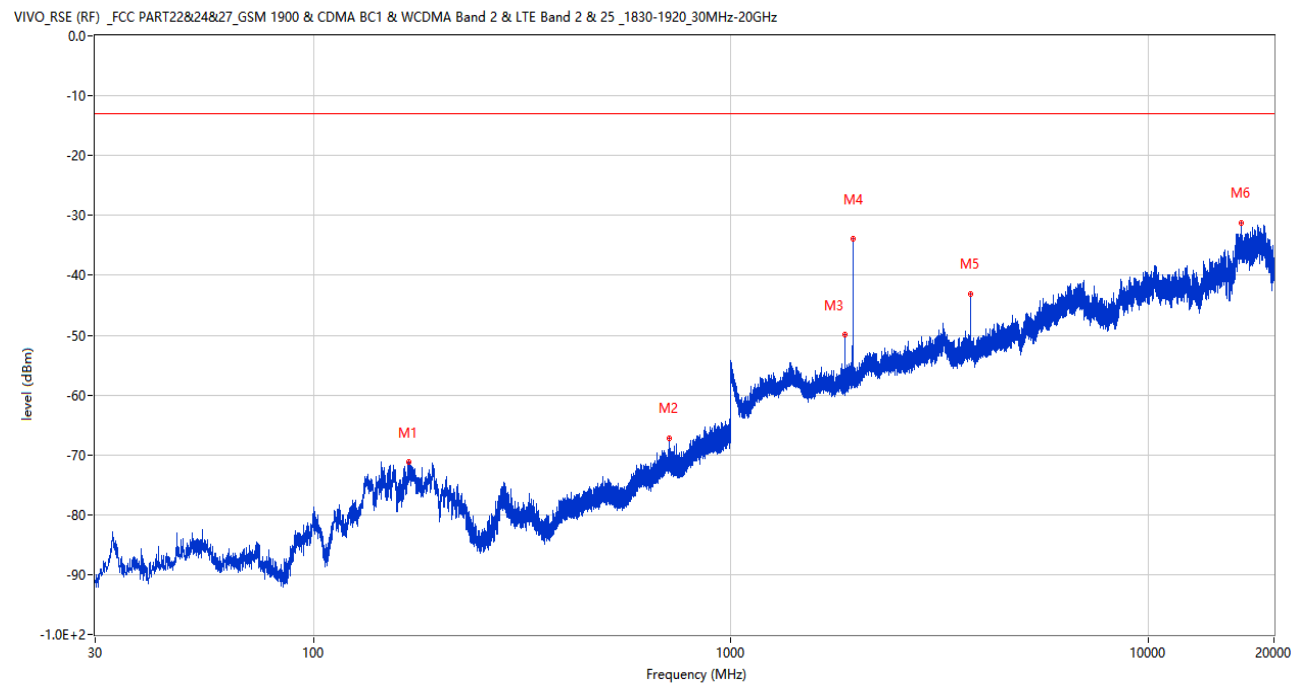
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.33	-15.65	-13.0	-58.33	322.00	Vertical	Vertical	Pass
741.786	-67.78	-1.52	-13.0	-54.78	128.00	Vertical	Vertical	Pass
1837.800	-46.04	-3.67	-13.0	-33.04	138.00	Vertical	Vertical	Pass
1960.300	-31.65	-3.60	-13.0	-18.65	145.00	Vertical	Vertical	N/A
3759.000	-46.69	4.45	-13.0	-33.69	185.00	Vertical	Vertical	Pass
18087.088	-30.74	25.54	-13.0	-17.74	253.00	Vertical	Vertical	Pass

25.2 LTE Band 2 BW3, Middle Channel

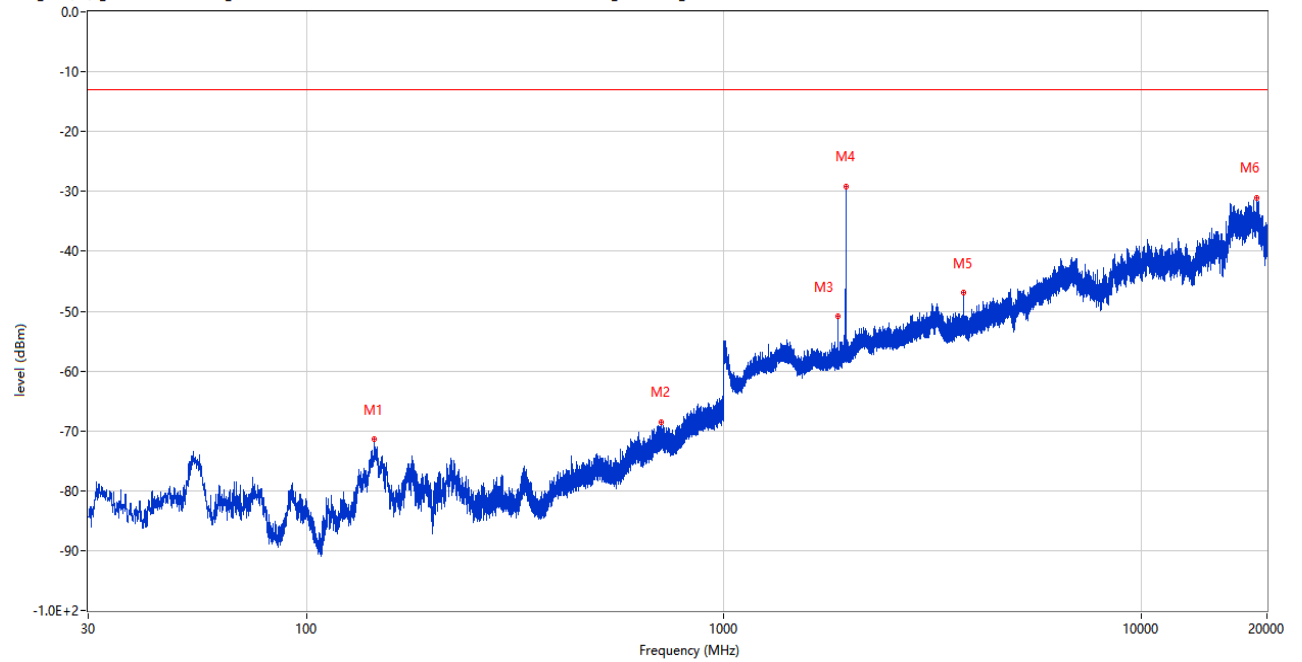
RSE-H&H LTE Band 2 BW3 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
169.583	-71.27	-15.64	-13.0	-58.27	129.00	Horizontal	Horizontal	Pass
710.115	-67.26	-0.88	-13.0	-54.26	298.00	Horizontal	Horizontal	Pass
1879.000	-49.98	-2.61	-13.0	-36.98	345.00	Horizontal	Horizontal	N/A
1959.700	-33.85	-3.58	-13.0	-20.85	49.00	Horizontal	Horizontal	N/A
3757.800	-43.19	4.33	-13.0	-30.19	324.00	Horizontal	Horizontal	Pass
16696.537	-31.35	26.23	-13.0	-18.35	252.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW3 CH18900

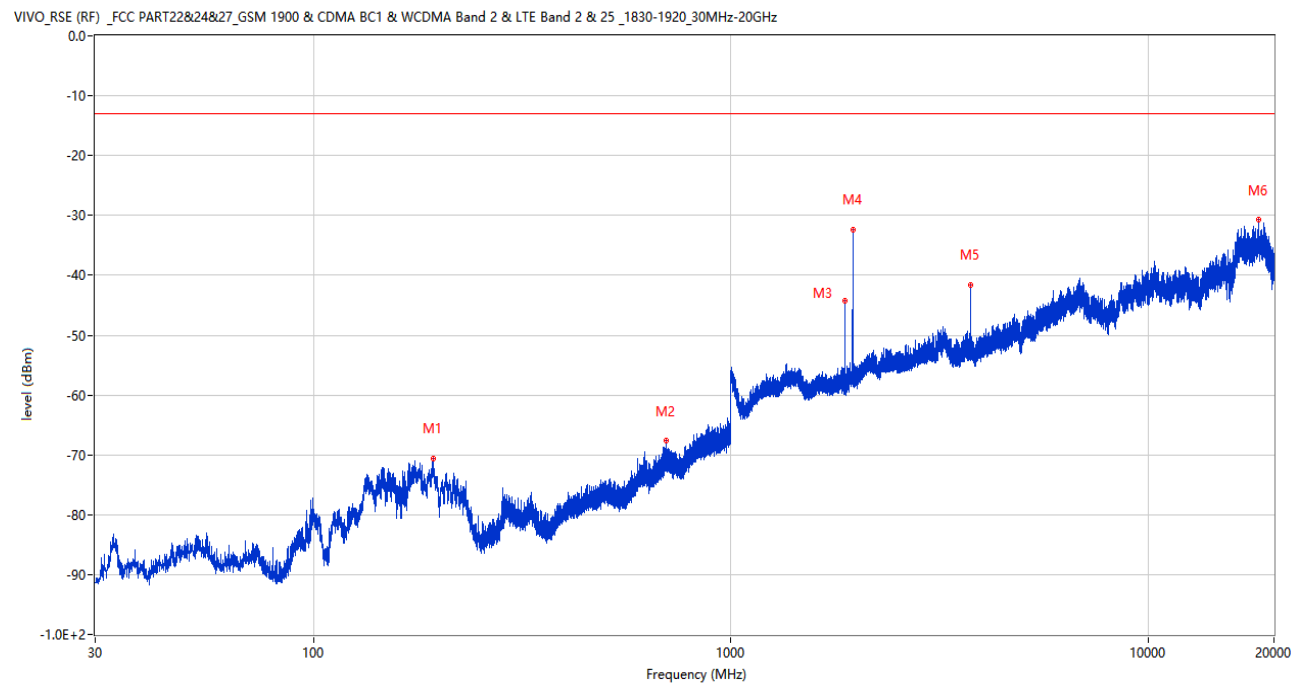
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.32	-15.65	-13.0	-58.32	344.00	Vertical	Vertical	Pass
707.787	-68.51	-0.87	-13.0	-55.51	271.00	Vertical	Vertical	Pass
1879.100	-50.87	-2.60	-13.0	-37.87	73.00	Vertical	Vertical	N/A
1961.000	-29.23	-3.63	-13.0	-16.23	133.00	Vertical	Vertical	N/A
3757.600	-46.83	4.31	-13.0	-33.83	182.00	Vertical	Vertical	Pass
18939.687	-31.13	25.07	-13.0	-18.13	360.00	Vertical	Vertical	Pass

25.3 LTE Band 2 BW5, Middle Channel

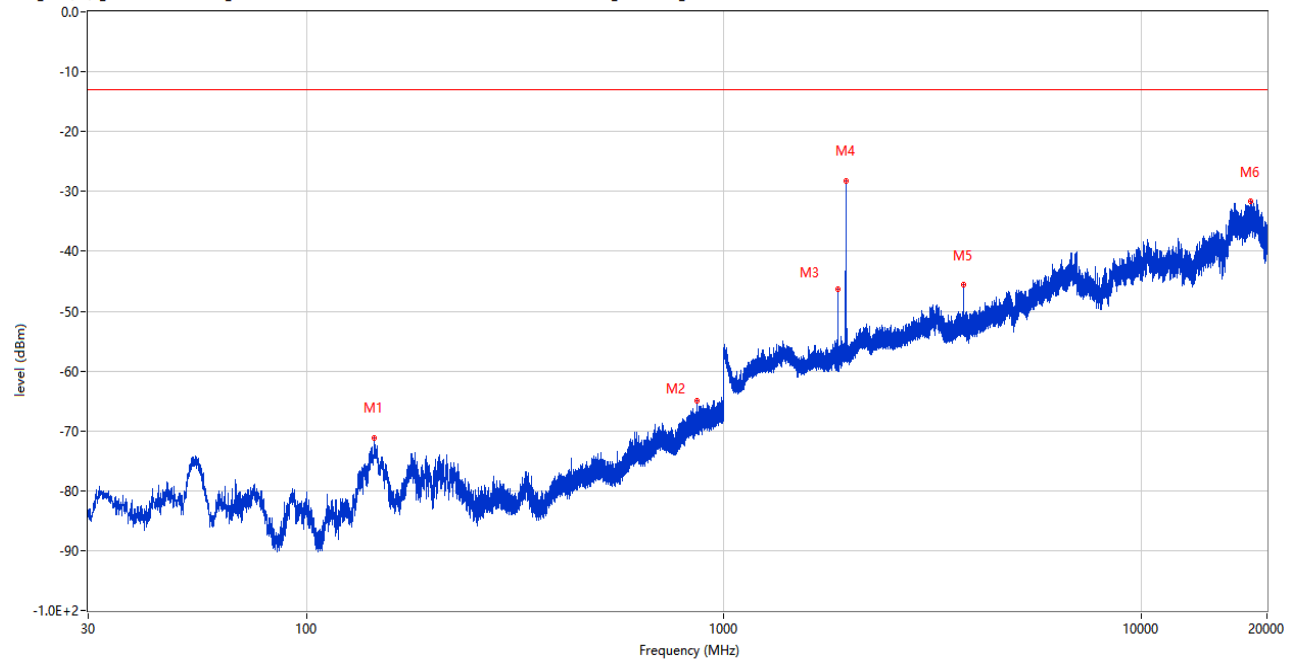
RSE-H&H LTE Band 2 BW5 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
193.202	-70.67	-15.14	-13.0	-57.67	359.00	Horizontal	Horizontal	Pass
698.330	-67.70	-0.83	-13.0	-54.70	196.00	Horizontal	Horizontal	Pass
1877.900	-44.31	-2.62	-13.0	-31.31	306.00	Horizontal	Horizontal	N/A
1961.000	-32.31	-3.63	-13.0	-19.31	38.00	Horizontal	Horizontal	N/A
3755.800	-41.56	4.29	-13.0	-28.56	332.00	Horizontal	Horizontal	Pass
18378.177	-30.66	25.38	-13.0	-17.66	360.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW5 CH18900

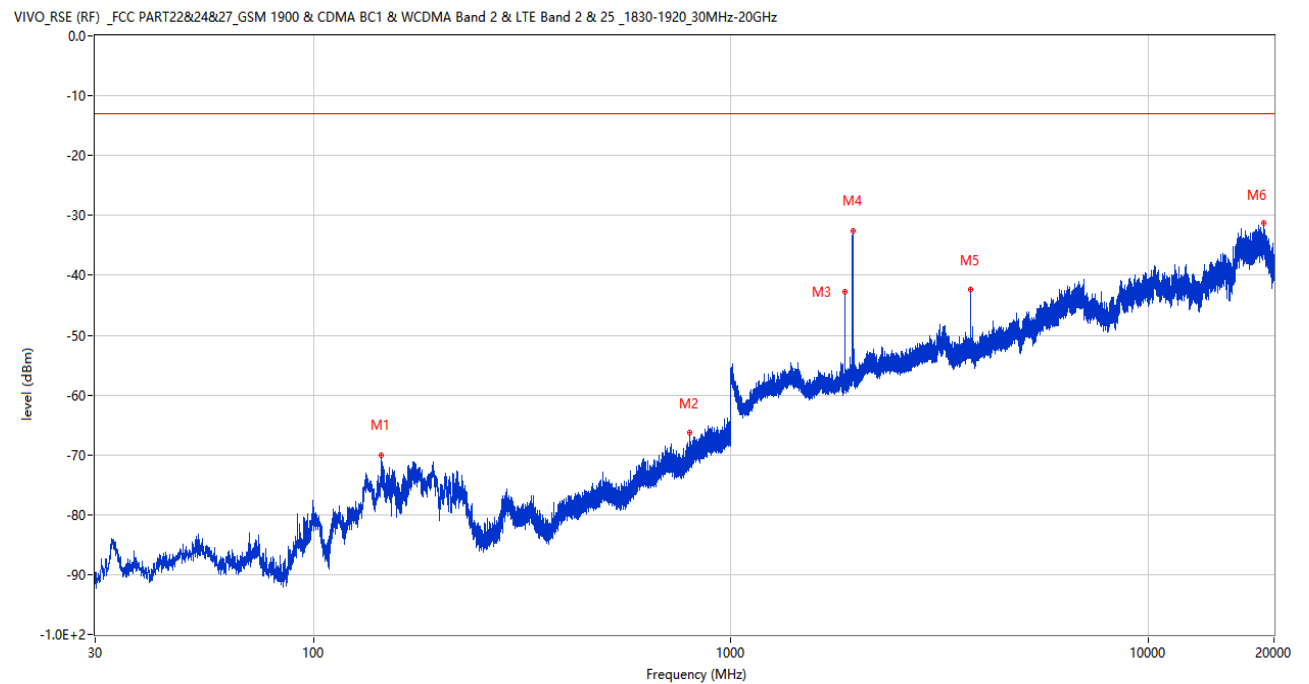
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.17	-15.66	-13.0	-58.17	353.00	Vertical	Vertical	Pass
859.981	-64.94	1.59	-13.0	-51.94	339.00	Vertical	Vertical	Pass
1878.300	-46.40	-2.61	-13.0	-33.40	68.00	Vertical	Vertical	N/A
1960.000	-28.26	-3.59	-13.0	-15.26	143.00	Vertical	Vertical	N/A
3755.800	-45.56	4.29	-13.0	-32.56	174.00	Vertical	Vertical	Pass
18290.448	-31.56	25.43	-13.0	-18.56	290.00	Vertical	Vertical	Pass

25.4 LTE Band 2 BW10, Middle Channel

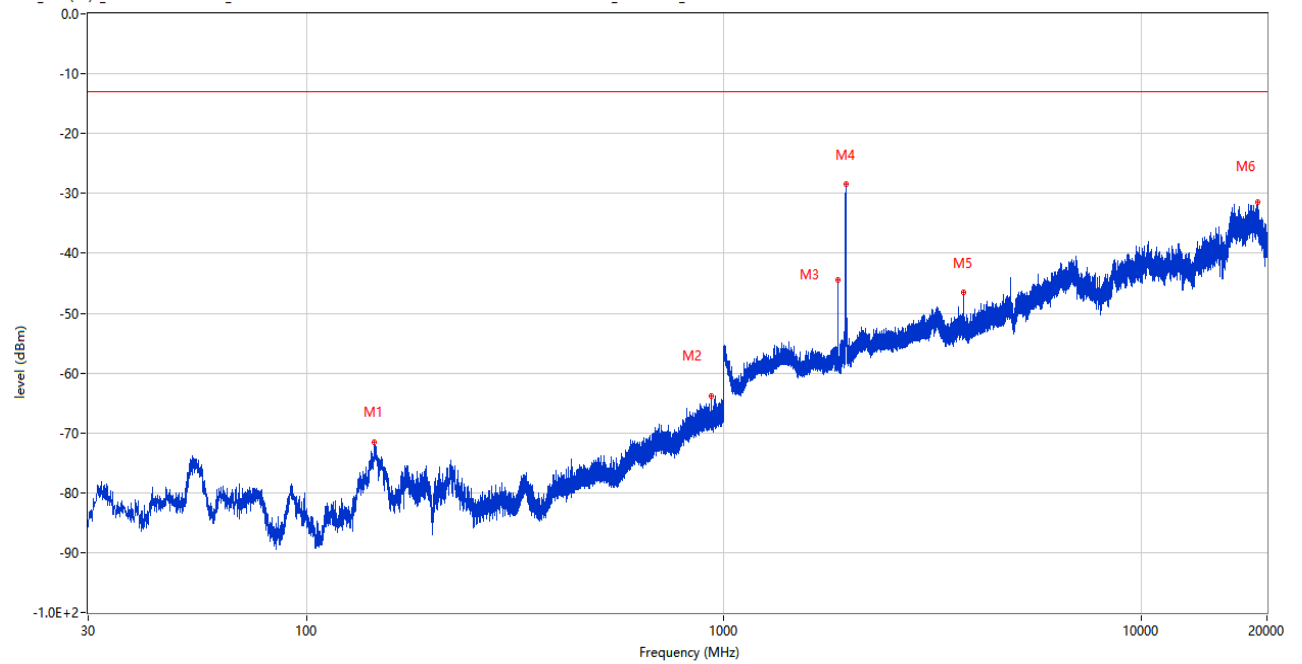
RSE-H&H LTE Band 2 BW10 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.09	-15.65	-13.0	-57.09	176.00	Horizontal	Horizontal	Pass
795.961	-66.33	-0.22	-13.0	-53.33	2.00	Horizontal	Horizontal	Pass
1875.700	-42.80	-2.64	-13.0	-29.80	315.00	Horizontal	Horizontal	N/A
1957.400	-32.67	-3.74	-13.0	-19.67	58.00	Horizontal	Horizontal	N/A
3751.200	-42.39	4.25	-13.0	-29.39	301.00	Horizontal	Horizontal	Pass
18932.802	-31.32	25.07	-13.0	-18.32	103.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW10 CH18900

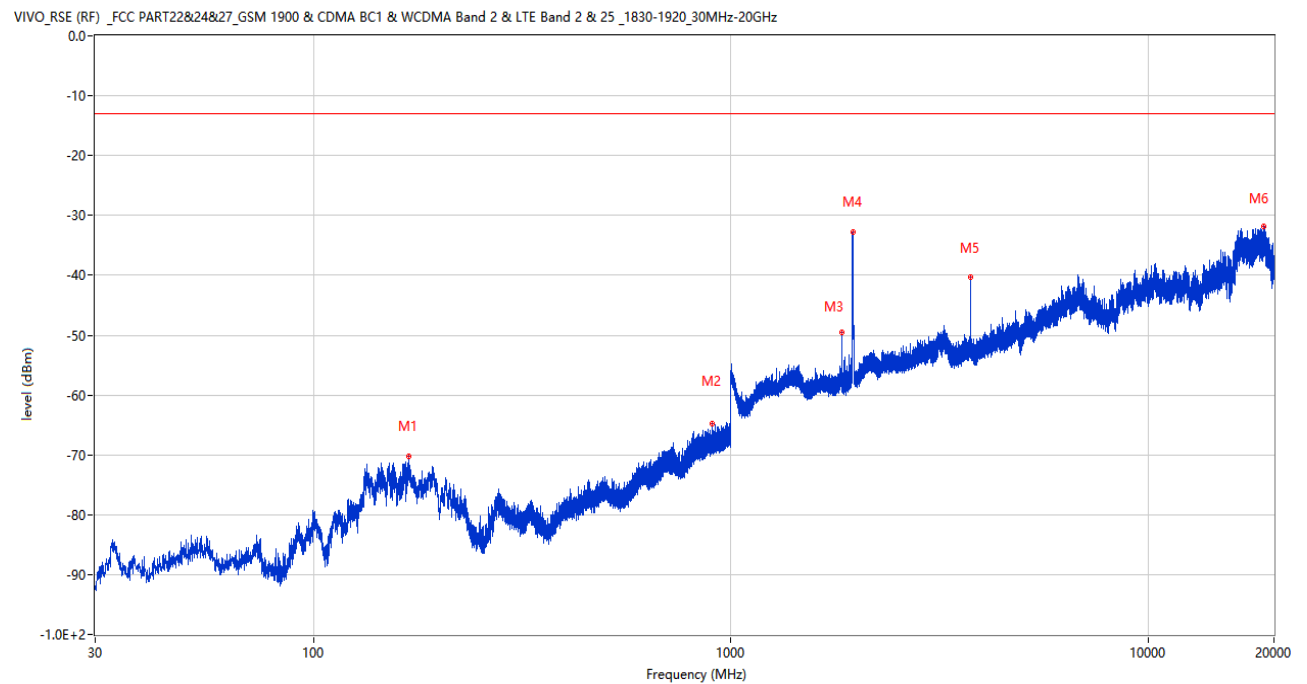
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-71.59	-15.65	-13.0	-58.59	25.00	Vertical	Vertical	Pass
930.354	-63.87	2.58	-13.0	-50.87	57.00	Vertical	Vertical	Pass
1876.000	-44.42	-2.63	-13.0	-31.42	69.00	Vertical	Vertical	N/A
1960.000	-28.38	-3.59	-13.0	-15.38	118.00	Vertical	Vertical	N/A
3751.600	-46.49	4.24	-13.0	-33.49	197.00	Vertical	Vertical	Pass
19061.125	-31.43	25.00	-13.0	-18.43	27.00	Vertical	Vertical	Pass

25.5 LTE Band 2 BW15, Middle Channel

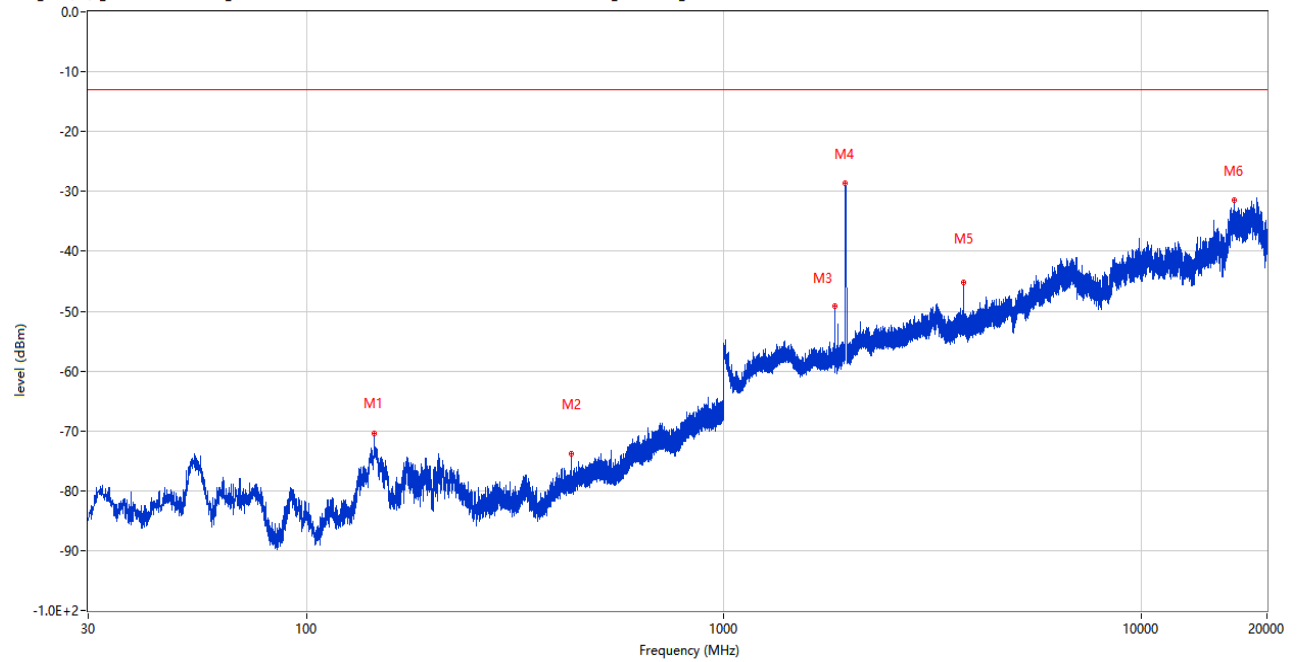
RSE-H&H LTE Band 2 BW15 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
168.904	-70.19	-15.64	-13.0	-57.19	148.00	Horizontal	Horizontal	Pass
902.127	-64.79	2.44	-13.0	-51.79	131.00	Horizontal	Horizontal	Pass
1846.700	-49.57	-2.90	-13.0	-36.57	159.00	Horizontal	Horizontal	N/A
1963.100	-32.83	-3.70	-13.0	-19.83	70.00	Horizontal	Horizontal	N/A
3746.800	-40.33	4.28	-13.0	-27.33	283.00	Horizontal	Horizontal	Pass
18919.750	-31.92	25.08	-13.0	-18.92	0.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW15 CH18900

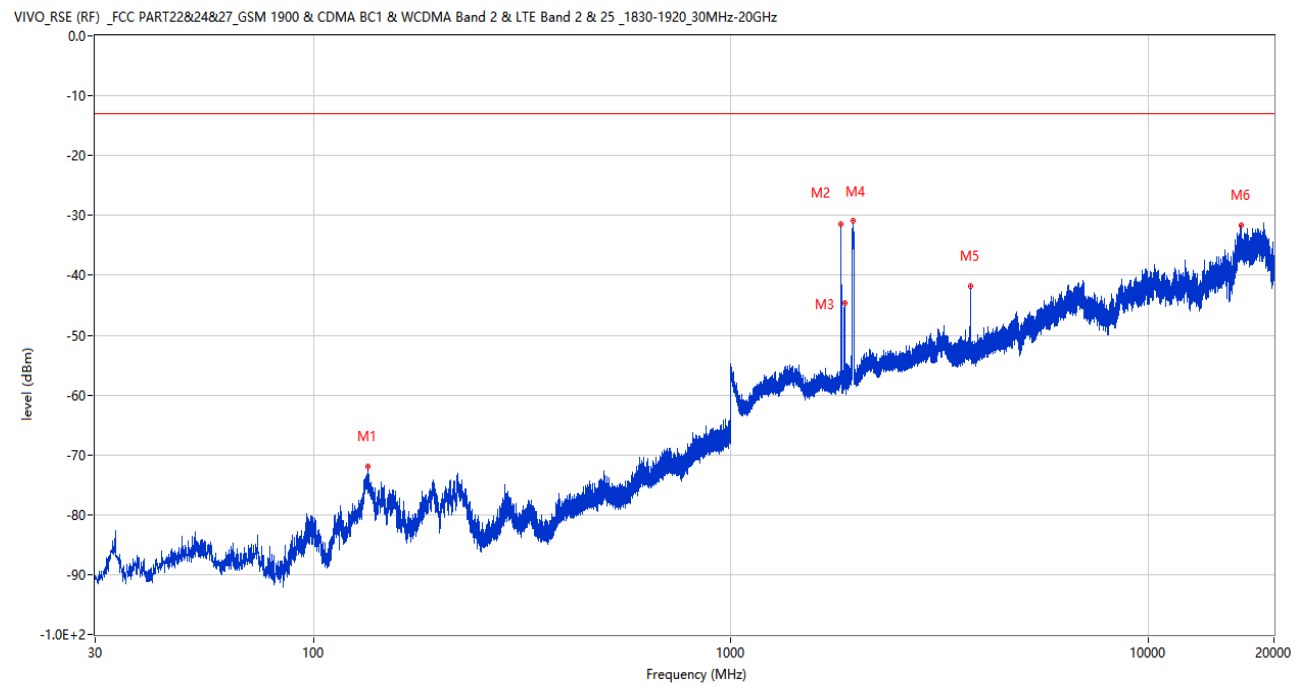
VIVO_RSE (RF) _FCC PART22&24&27_GSM 1900 & CDMA BC1 & WCDMA Band 2 & LTE Band 2 & 25_1830-1920_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-70.45	-15.65	-13.0	-57.45	318.00	Vertical	Vertical	Pass
429.979	-73.78	-8.70	-13.0	-60.78	12.00	Vertical	Vertical	Pass
1846.800	-49.12	-2.90	-13.0	-36.12	77.00	Vertical	Vertical	N/A
1954.700	-28.68	-3.84	-13.0	-15.68	145.00	Vertical	Vertical	N/A
3746.800	-45.28	4.28	-13.0	-32.28	176.00	Vertical	Vertical	Pass
16697.262	-31.49	26.22	-13.0	-18.49	0.00	Vertical	Vertical	Pass

25.6 LTE Band 2 BW20, Middle Channel

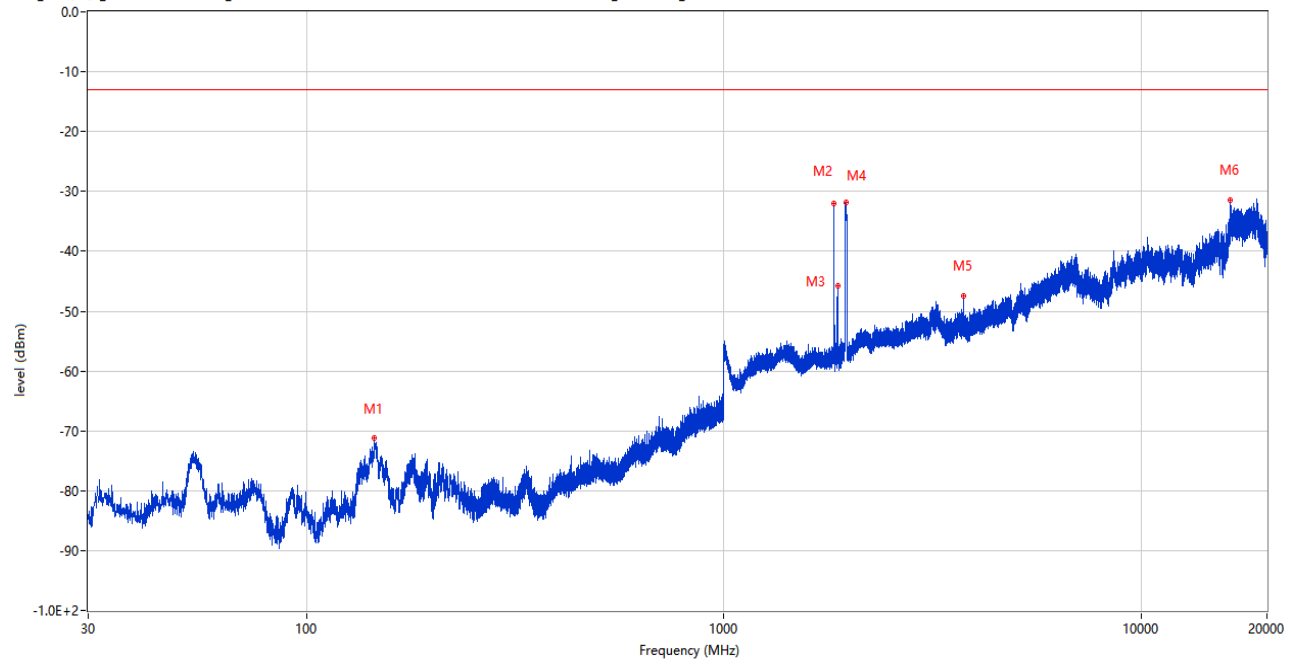
RSE-H&H LTE Band 2 BW20 CH18900



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
134.954	-71.86	-16.72	-13.0	-58.86	324.00	Horizontal	Horizontal	Pass
1835.400	-31.52	-3.88	-13.0	-18.52	308.00	Horizontal	Horizontal	N/A
1871.000	-44.61	-2.68	-13.0	-31.61	312.00	Horizontal	Horizontal	N/A
1964.000	-30.92	-3.73	-13.0	-17.92	170.00	Horizontal	Horizontal	N/A
3742.200	-41.83	4.39	-13.0	-28.83	332.00	Horizontal	Horizontal	Pass
16725.537	-31.72	24.83	-13.0	-18.72	0.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 2 BW20 CH18900

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

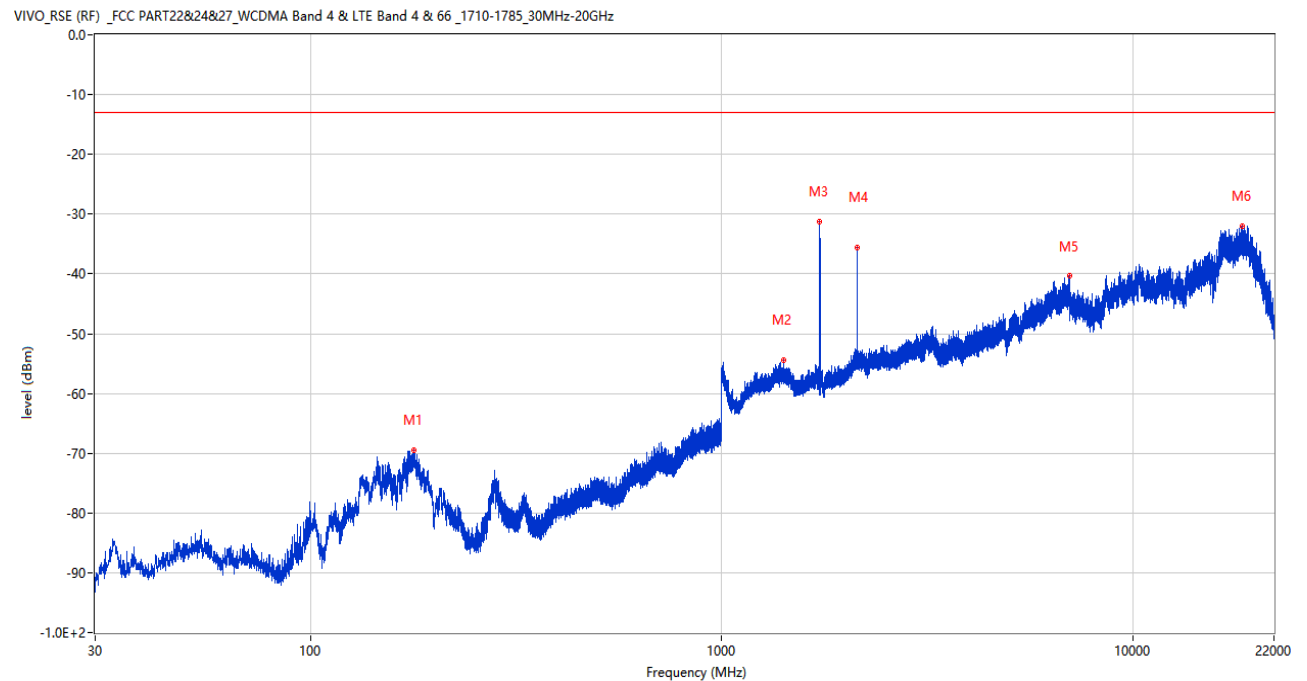


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.26	-15.65	-13.0	-58.26	293.00	Vertical	Vertical	Pass
1835.700	-32.10	-3.85	-13.0	-19.10	87.00	Vertical	Vertical	N/A
1871.200	-45.82	-2.68	-13.0	-32.82	62.00	Vertical	Vertical	N/A
1967.000	-31.88	-3.83	-13.0	-18.88	113.00	Vertical	Vertical	N/A
3742.400	-47.43	4.38	-13.0	-34.43	187.00	Vertical	Vertical	Pass
16369.563	-31.50	25.37	-13.0	-18.50	80.00	Vertical	Vertical	Pass

26 LTE Band 4

26.1 LTE Band 4 BW1.4, Middle Channel

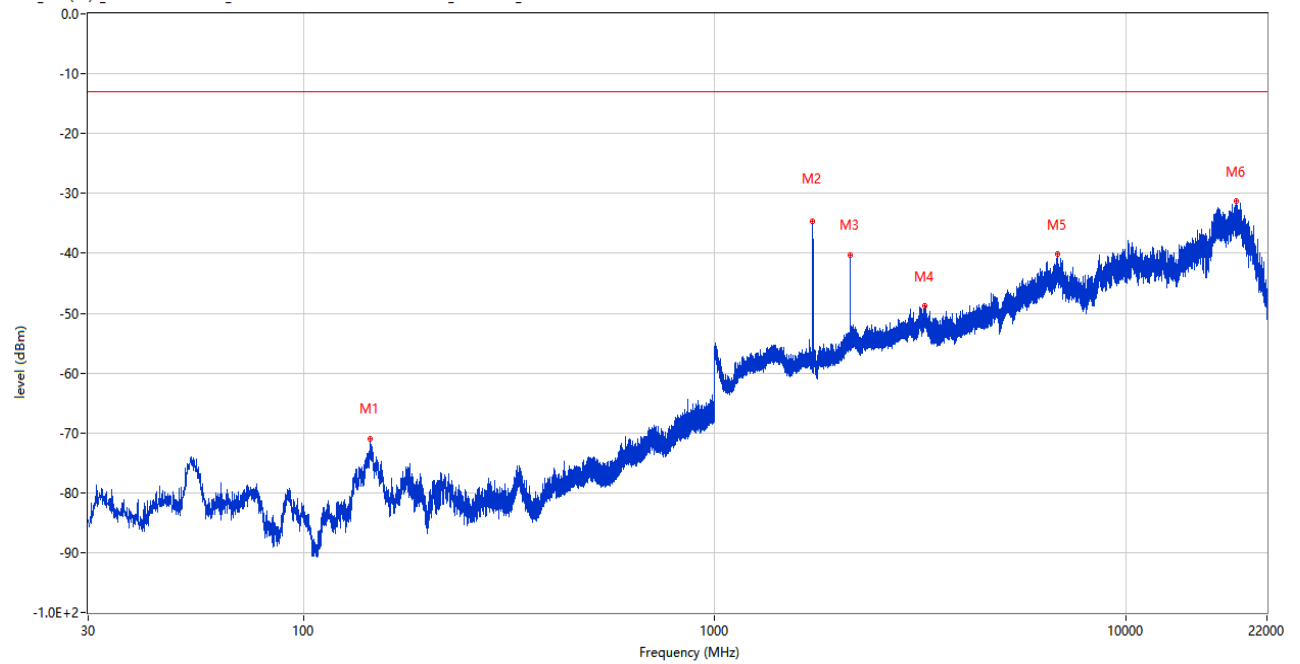
RSE-H&H LTE Band 4 BW1.4 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
178.264	-69.50	-15.03	-13.0	-56.50	132.00	Horizontal	Horizontal	Pass
1413.700	-54.51	-3.24	-13.0	-41.51	55.00	Horizontal	Horizontal	Pass
1732.300	-31.27	-3.33	-13.0	-18.27	295.00	Horizontal	Horizontal	N/A
2132.600	-35.68	-1.19	-13.0	-22.68	236.00	Horizontal	Horizontal	N/A
6996.600	-40.39	13.88	-13.0	-27.39	130.00	Horizontal	Horizontal	Pass
18377.239	-32.04	25.38	-13.0	-19.04	149.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW1.4 CH20175

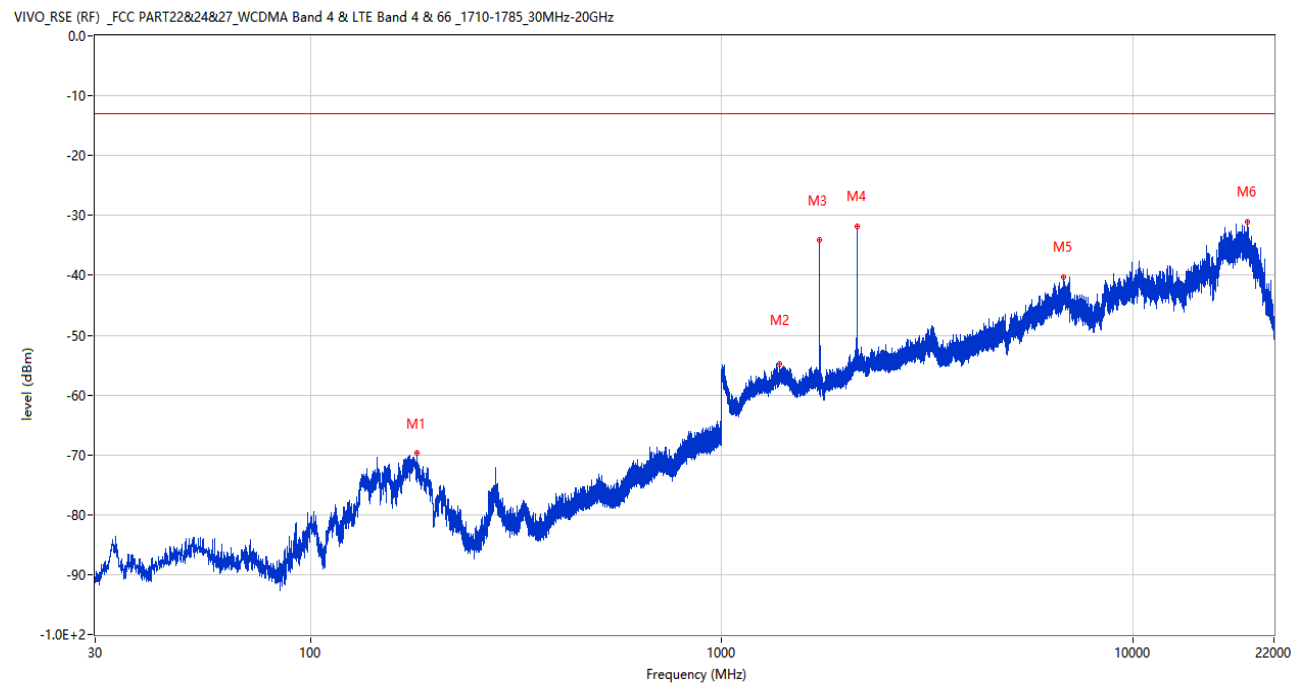
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.00	-15.59	-13.0	-58.00	334.00	Vertical	Vertical	Pass
1732.300	-34.72	-3.33	-13.0	-21.72	114.00	Vertical	Vertical	N/A
2132.700	-40.22	-1.19	-13.0	-27.22	164.00	Vertical	Vertical	N/A
3249.400	-48.73	5.95	-13.0	-35.73	54.00	Vertical	Vertical	Pass
6802.400	-40.19	13.12	-13.0	-27.19	270.00	Vertical	Vertical	Pass
18555.763	-31.26	25.28	-13.0	-18.26	181.00	Vertical	Vertical	Pass

26.2 LTE Band 4 BW3, Middle Channel

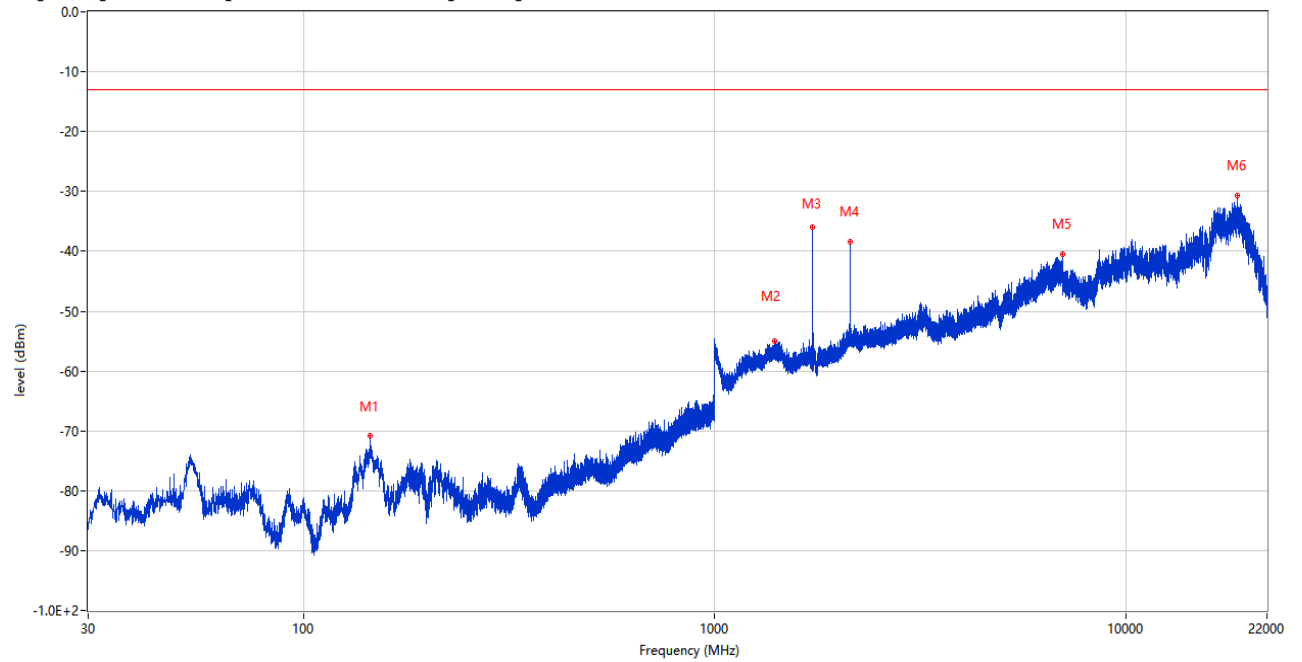
RSE-H&H LTE Band 4 BW3 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.902	-69.69	-15.27	-13.0	-56.69	332.00	Horizontal	Horizontal	Pass
1384.700	-54.88	-3.32	-13.0	-41.88	222.00	Horizontal	Horizontal	Pass
1731.400	-34.02	-3.32	-13.0	-21.02	289.00	Horizontal	Horizontal	N/A
2132.100	-31.76	-1.20	-13.0	-18.76	222.00	Horizontal	Horizontal	N/A
6773.200	-40.26	12.78	-13.0	-27.26	253.00	Horizontal	Horizontal	Pass
18941.950	-31.03	25.07	-13.0	-18.03	97.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW3 CH20175

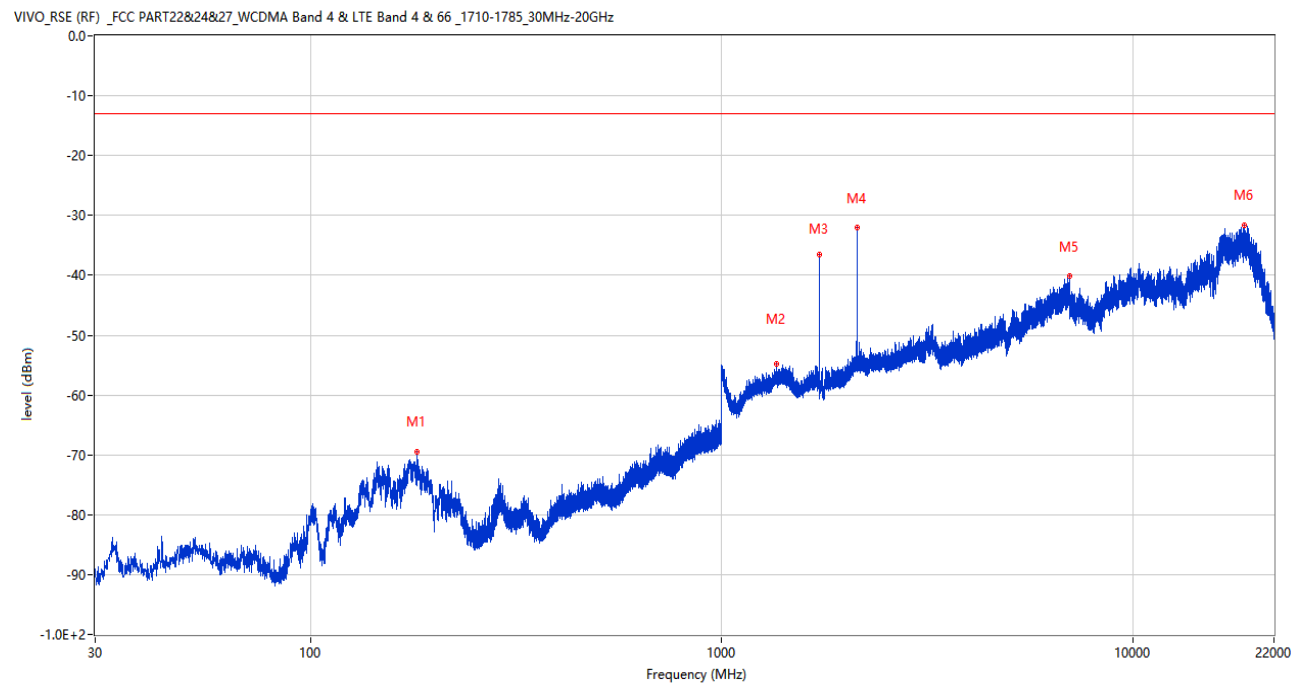
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-70.86	-15.59	-13.0	-57.86	249.00	Vertical	Vertical	Pass
1397.800	-55.01	-3.20	-13.0	-42.01	18.00	Vertical	Vertical	Pass
1731.500	-35.97	-3.32	-13.0	-22.97	119.00	Vertical	Vertical	N/A
2132.500	-38.43	-1.19	-13.0	-25.43	189.00	Vertical	Vertical	N/A
6994.000	-40.44	13.89	-13.0	-27.44	78.00	Vertical	Vertical	Pass
18638.551	-30.61	25.24	-13.0	-17.61	-3.00	Vertical	Vertical	Pass

26.3 LTE Band 4 BW5, Middle Channel

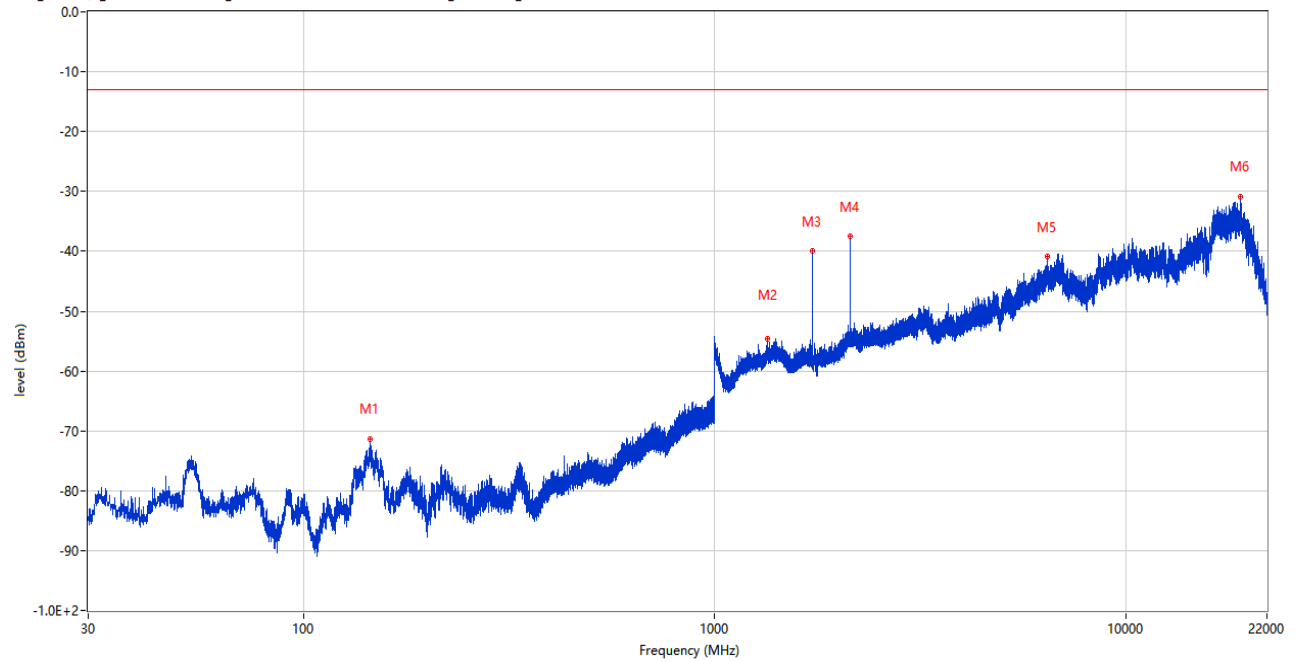
RSE-H&H LTE Band 4 BW5 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
181.854	-69.43	-15.26	-13.0	-56.43	360.00	Horizontal	Horizontal	Pass
1357.600	-54.85	-3.65	-13.0	-41.85	80.00	Horizontal	Horizontal	Pass
1730.600	-36.55	-3.31	-13.0	-23.55	322.00	Horizontal	Horizontal	N/A
2132.400	-32.03	-1.20	-13.0	-19.03	232.00	Horizontal	Horizontal	N/A
6993.600	-40.19	13.91	-13.0	-27.19	358.00	Horizontal	Horizontal	Pass
18626.988	-31.71	25.24	-13.0	-18.71	170.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW5 CH20175

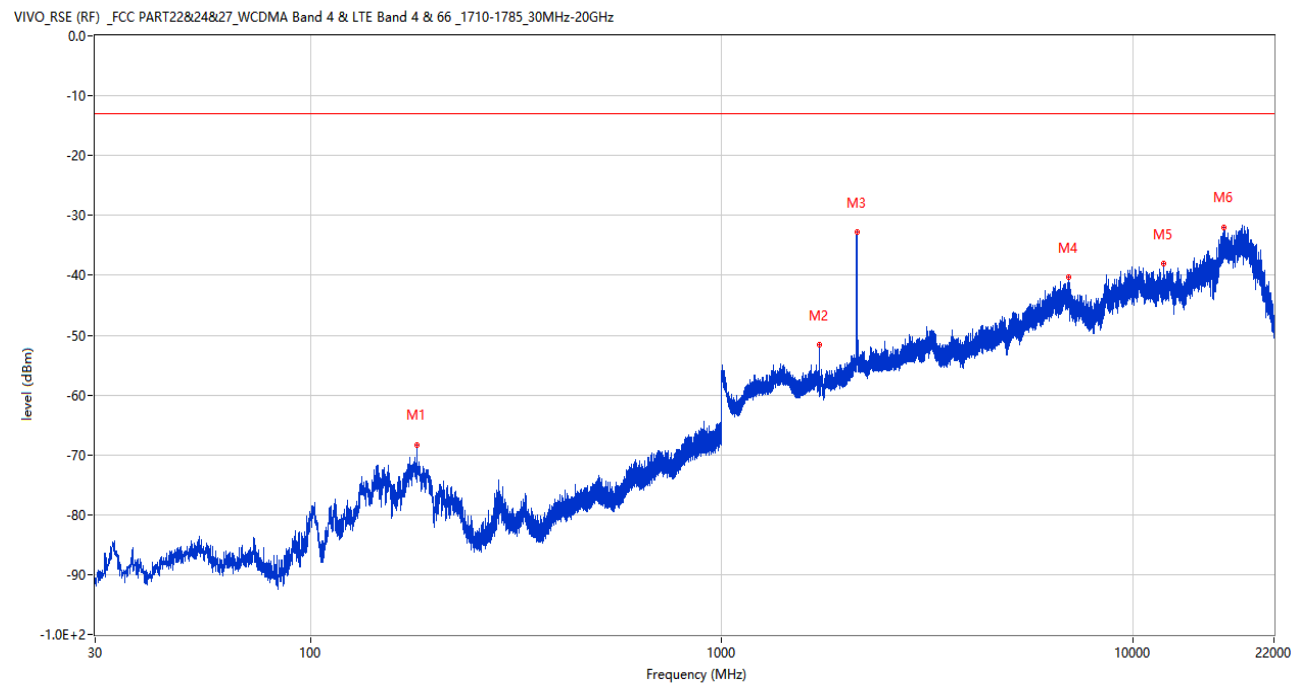
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-71.46	-15.58	-13.0	-58.46	0.00	Vertical	Vertical	Pass
1341.500	-54.54	-3.64	-13.0	-41.54	177.00	Vertical	Vertical	Pass
1730.600	-39.94	-3.31	-13.0	-26.94	320.00	Vertical	Vertical	N/A
2132.800	-37.55	-1.19	-13.0	-24.55	105.00	Vertical	Vertical	N/A
6421.400	-40.95	11.67	-13.0	-27.95	175.00	Vertical	Vertical	Pass
18964.613	-30.89	25.06	-13.0	-17.89	88.00	Vertical	Vertical	Pass

26.4 LTE Band 4 BW10, Middle Channel

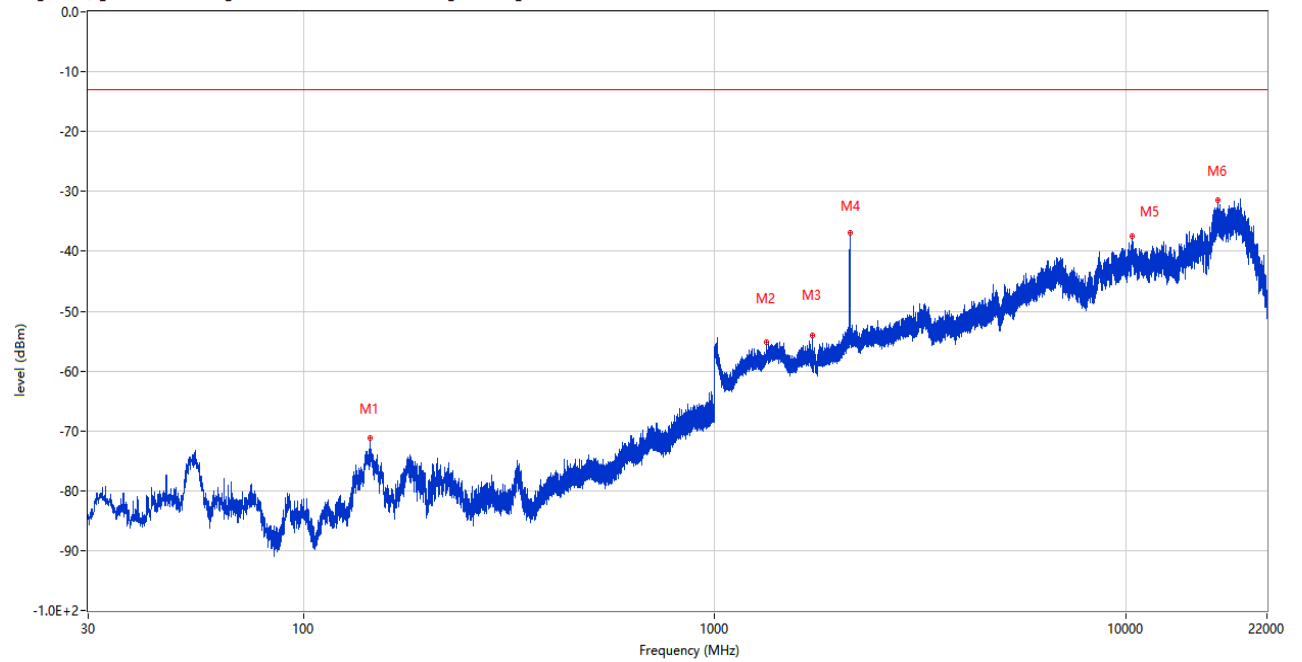
RSE-H&H LTE Band 4 BW10 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.902	-68.32	-15.27	-13.0	-55.32	360.00	Horizontal	Horizontal	Pass
1728.200	-51.62	-3.27	-13.0	-38.62	319.00	Horizontal	Horizontal	N/A
2132.400	-32.79	-1.20	-13.0	-19.79	138.00	Horizontal	Horizontal	N/A
6990.200	-40.29	13.83	-13.0	-27.29	196.00	Horizontal	Horizontal	Pass
11850.412	-37.99	17.91	-13.0	-24.99	356.00	Horizontal	Horizontal	Pass
16664.137	-32.10	26.37	-13.0	-19.10	360.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW10 CH20175

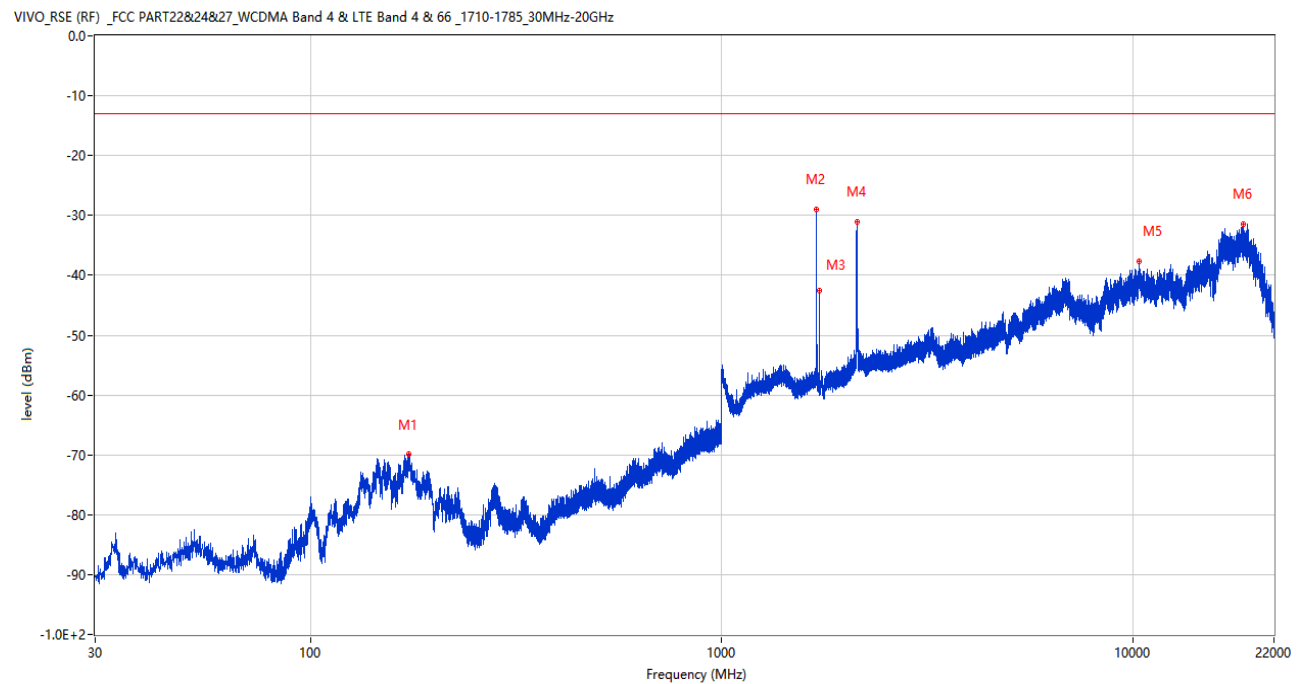
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.26	-15.59	-13.0	-58.26	313.00	Vertical	Vertical	Pass
1337.000	-55.19	-3.78	-13.0	-42.19	63.00	Vertical	Vertical	Pass
1728.200	-54.13	-3.27	-13.0	-41.13	158.00	Vertical	Vertical	N/A
2130.200	-36.93	-1.12	-13.0	-23.93	190.00	Vertical	Vertical	N/A
10359.725	-37.56	19.05	-13.0	-24.56	87.00	Vertical	Vertical	Pass
16690.037	-31.39	26.31	-13.0	-18.39	353.00	Vertical	Vertical	Pass

26.5 LTE Band 4 BW15, Middle Channel

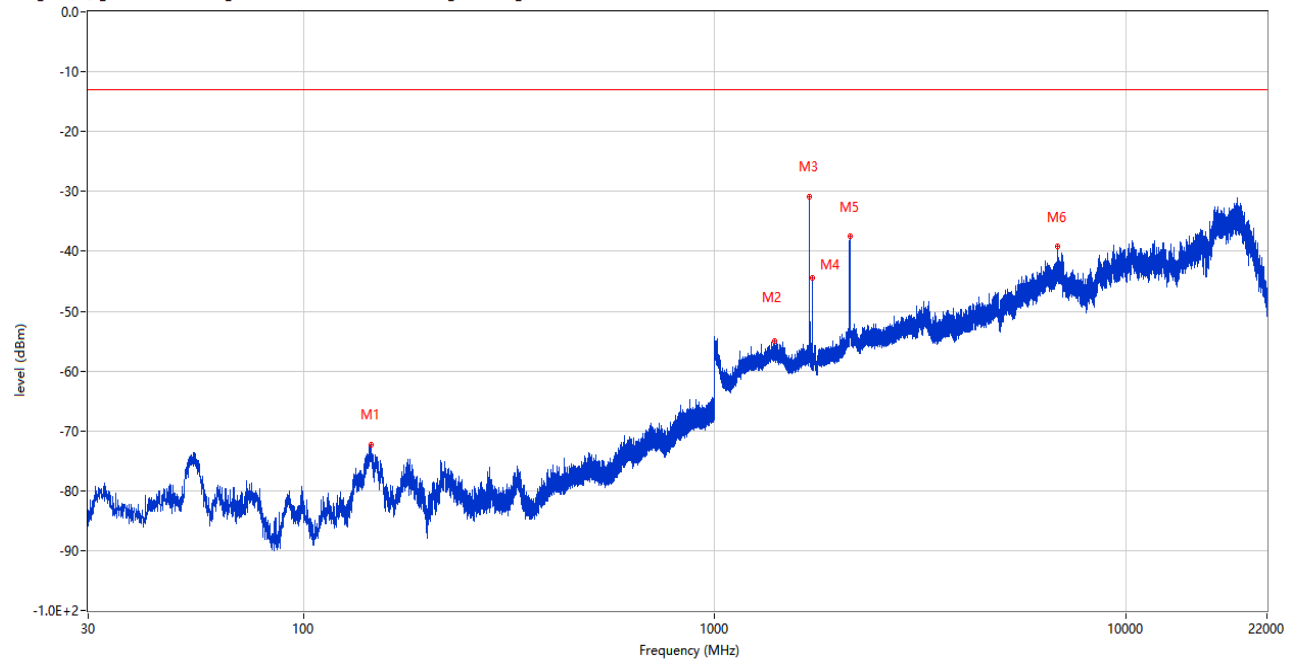
RSE-H&H LTE Band 4 BW15 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
173.560	-69.90	-15.30	-13.0	-56.90	158.00	Horizontal	Horizontal	Pass
1699.500	-29.08	-3.86	-13.0	-16.08	300.00	Horizontal	Horizontal	N/A
1725.900	-42.58	-3.24	-13.0	-29.58	314.00	Horizontal	Horizontal	N/A
2135.700	-31.14	-1.22	-13.0	-18.14	152.00	Horizontal	Horizontal	N/A
10368.062	-37.58	19.04	-13.0	-24.58	360.00	Horizontal	Horizontal	Pass
18574.262	-31.44	25.27	-13.0	-18.44	90.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW15 CH20175

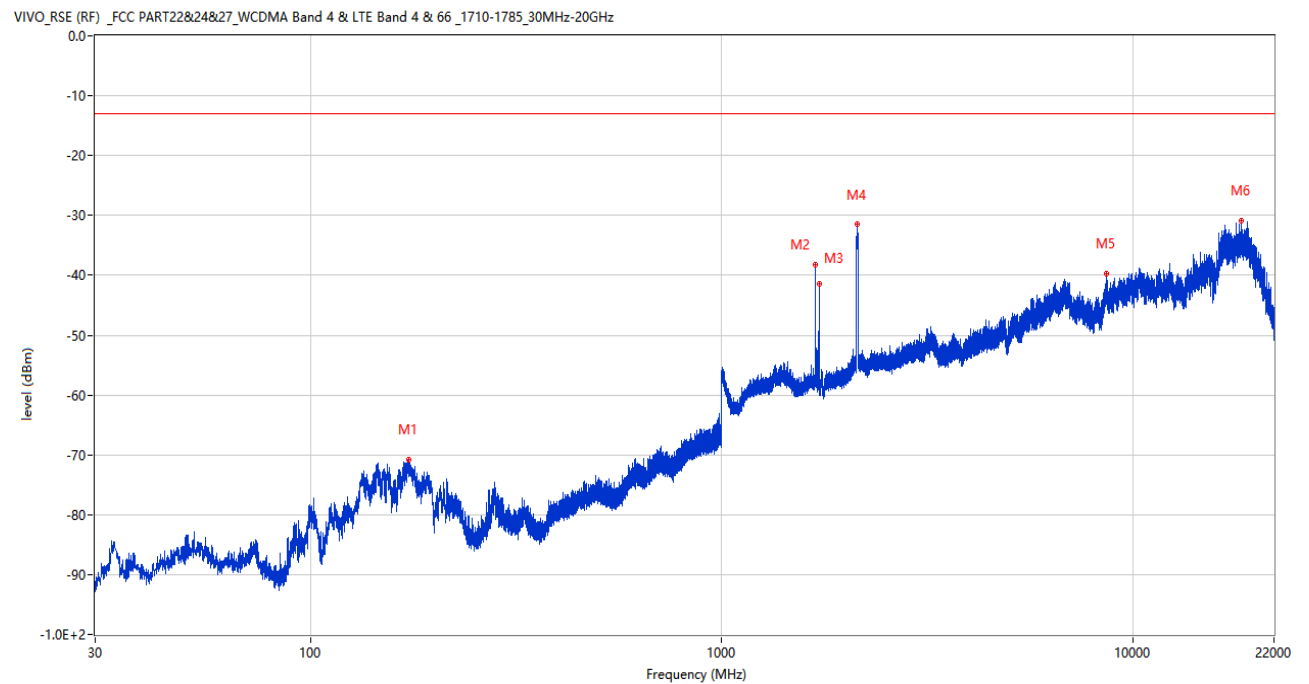
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.915	-72.24	-15.63	-13.0	-59.24	332.00	Vertical	Vertical	Pass
1400.000	-55.06	-3.16	-13.0	-42.06	193.00	Vertical	Vertical	Pass
1699.400	-30.79	-3.88	-13.0	-17.79	161.00	Vertical	Vertical	N/A
1726.000	-44.45	-3.24	-13.0	-31.45	320.00	Vertical	Vertical	N/A
2129.400	-37.49	-1.07	-13.0	-24.49	186.00	Vertical	Vertical	N/A
6815.000	-39.19	13.11	-13.0	-26.19	131.00	Vertical	Vertical	Pass

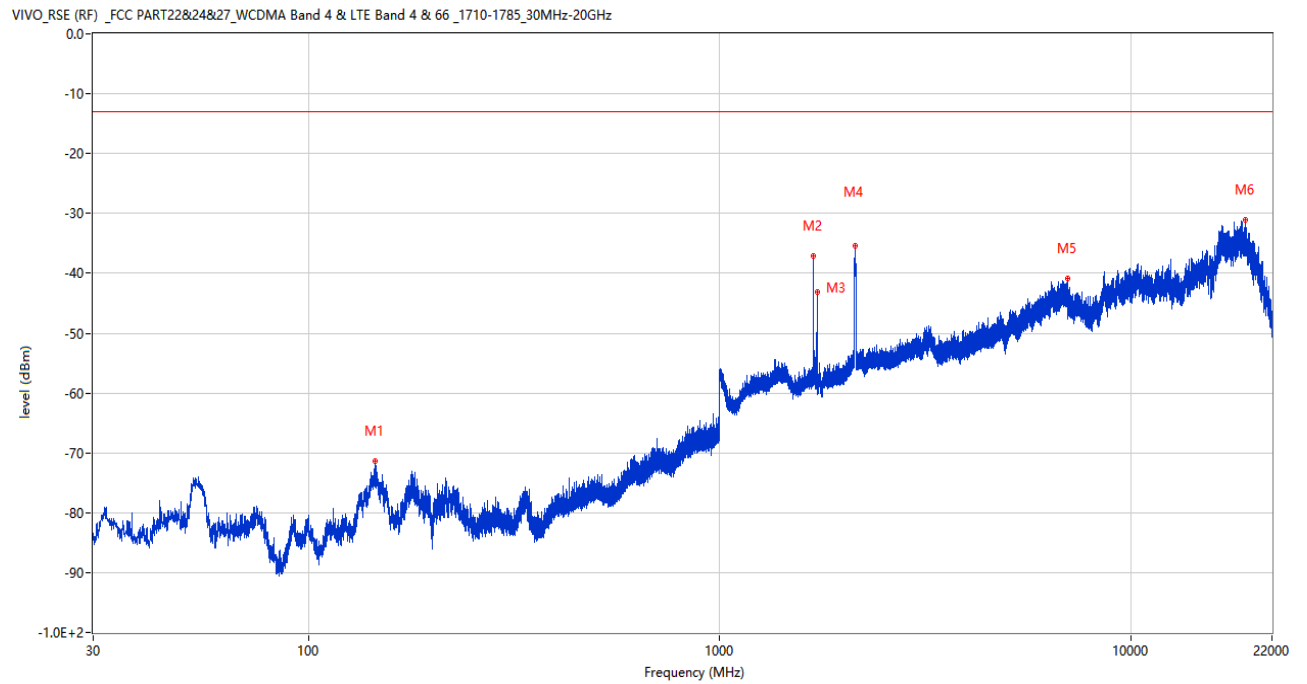
26.6 LTE Band 4 BW20, Middle Channel

RSE-H&H LTE Band 4 BW20 CH20175



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
173.657	-70.88	-15.30	-13.0	-57.88	160.00	Horizontal	Horizontal	Pass
1688.000	-38.23	-4.27	-13.0	-25.23	272.00	Horizontal	Horizontal	N/A
1723.700	-41.46	-3.21	-13.0	-28.46	314.00	Horizontal	Horizontal	N/A
2131.600	-31.50	-1.21	-13.0	-18.50	222.00	Horizontal	Horizontal	N/A
8624.663	-39.78	15.21	-13.0	-26.78	276.00	Horizontal	Horizontal	Pass
18360.125	-30.88	25.39	-13.0	-17.88	277.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 4 BW20 CH20175

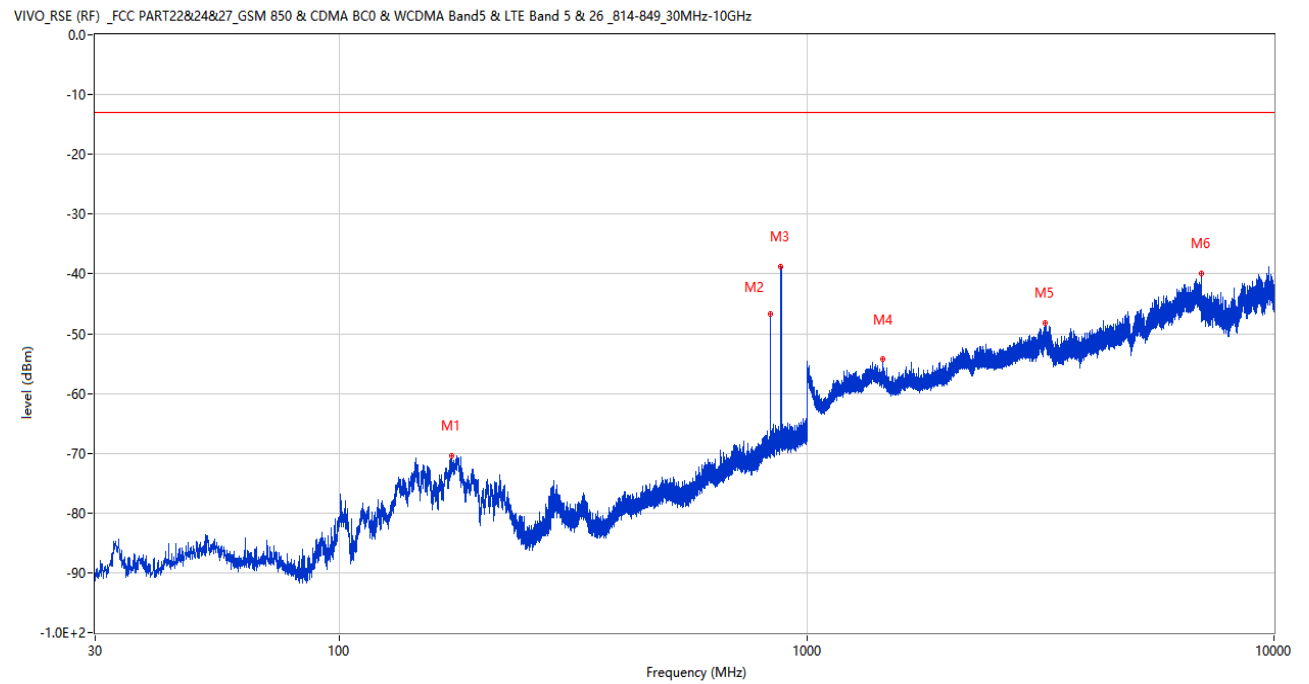


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.39	-15.59	-13.0	-58.39	326.00	Vertical	Vertical	Pass
1688.400	-37.18	-4.24	-13.0	-24.18	102.00	Vertical	Vertical	N/A
1723.700	-43.19	-3.21	-13.0	-30.19	331.00	Vertical	Vertical	N/A
2138.000	-35.43	-1.12	-13.0	-22.43	190.00	Vertical	Vertical	N/A
6999.200	-40.90	13.93	-13.0	-27.90	250.00	Vertical	Vertical	Pass
18931.775	-31.11	25.07	-13.0	-18.11	125.00	Vertical	Vertical	Pass

27 LTE Band 5

27.1 LTE Band 5 BW1.4, Middle Channel

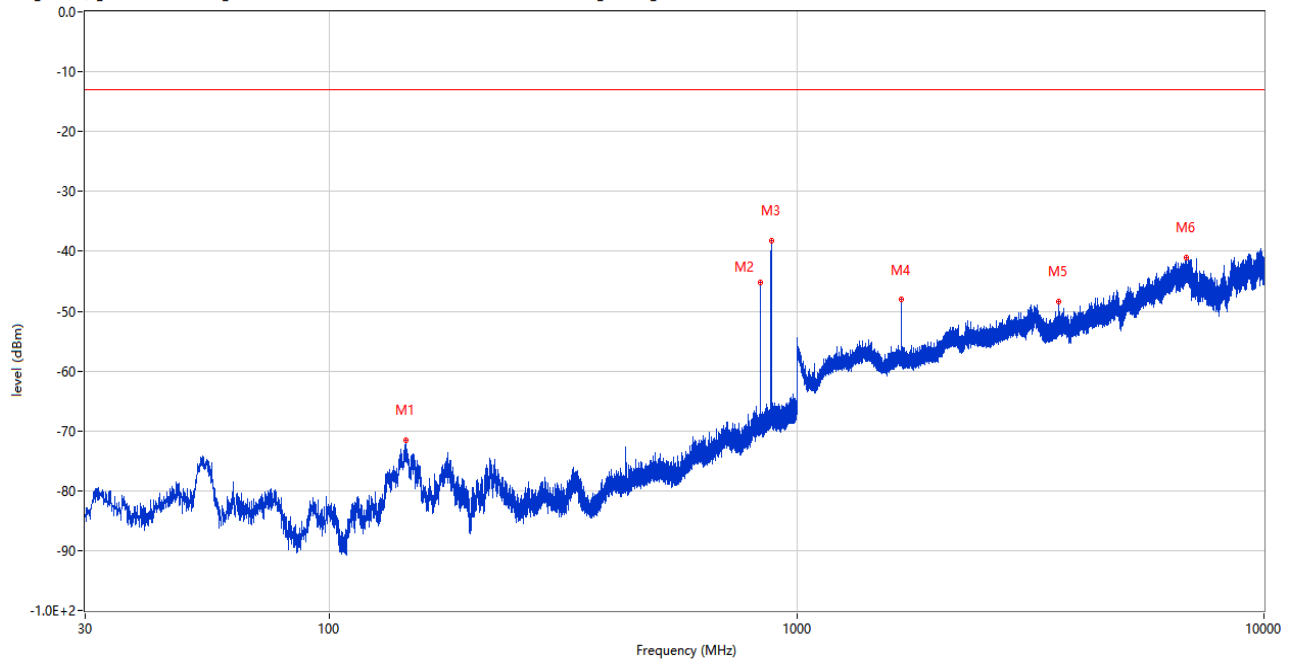
RSE-H&H LTE Band 5 BW1.4 CH20525



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
173.997	-70.47	-15.32	-13.0	-57.47	193.00	Horizontal	Horizontal	Pass
836.070	-46.72	2.17	-13.0	-33.72	222.00	Horizontal	Horizontal	N/A
881.223	-38.71	2.70	-13.0	-25.71	363.00	Horizontal	Horizontal	N/A
1455.400	-54.16	-3.80	-13.0	-41.16	316.00	Horizontal	Horizontal	Pass
3236.600	-48.24	6.57	-13.0	-35.24	76.00	Horizontal	Horizontal	Pass
6990.200	-39.97	13.83	-13.0	-26.97	124.00	Horizontal	Horizontal	Pass

RSE-H&V LTE Band 5 BW1.4 CH20525

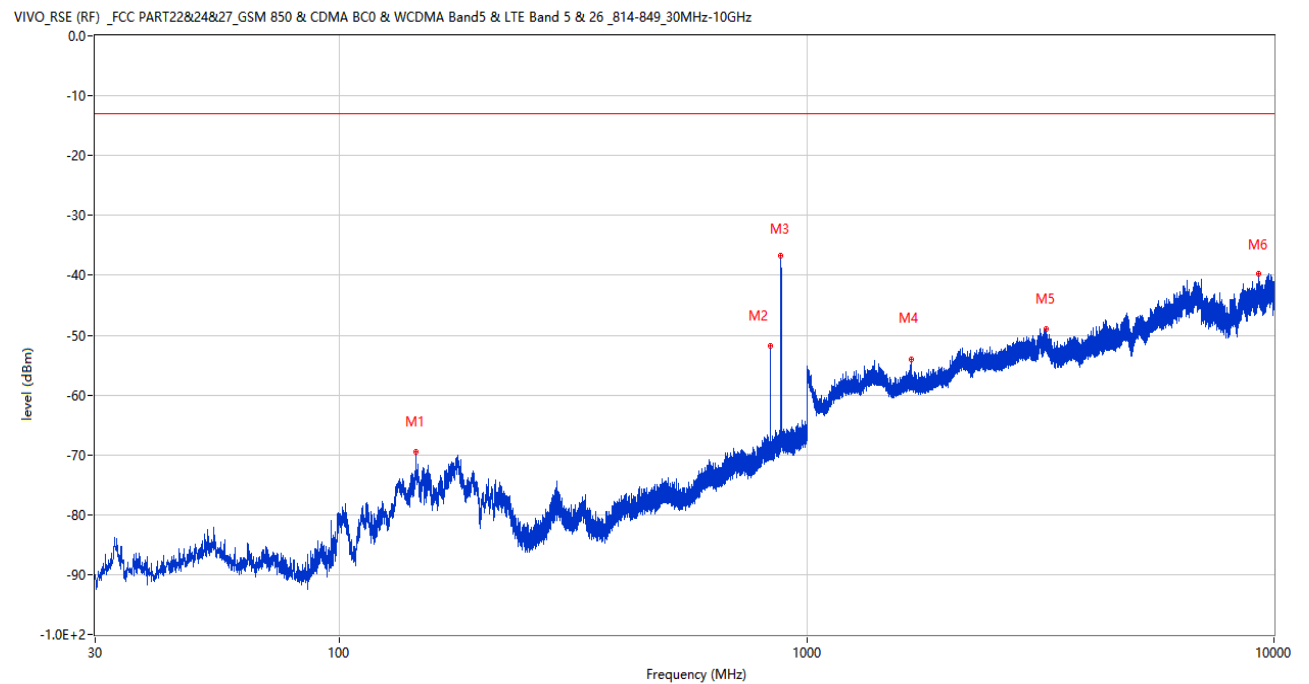
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26_814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-71.59	-15.66	-13.0	-58.59	346.00	Horizontal	Vertical	Pass
836.119	-45.14	2.17	-13.0	-32.14	189.00	Horizontal	Vertical	N/A
881.660	-38.20	2.74	-13.0	-25.20	49.00	Horizontal	Vertical	N/A
1672.200	-48.12	-4.44	-13.0	-35.12	1.00	Horizontal	Vertical	Pass
3640.200	-48.39	5.01	-13.0	-35.39	43.00	Horizontal	Vertical	Pass
6805.800	-41.03	13.12	-13.0	-28.03	359.00	Horizontal	Vertical	Pass

27.2 LTE Band 5 BW3, Middle Channel

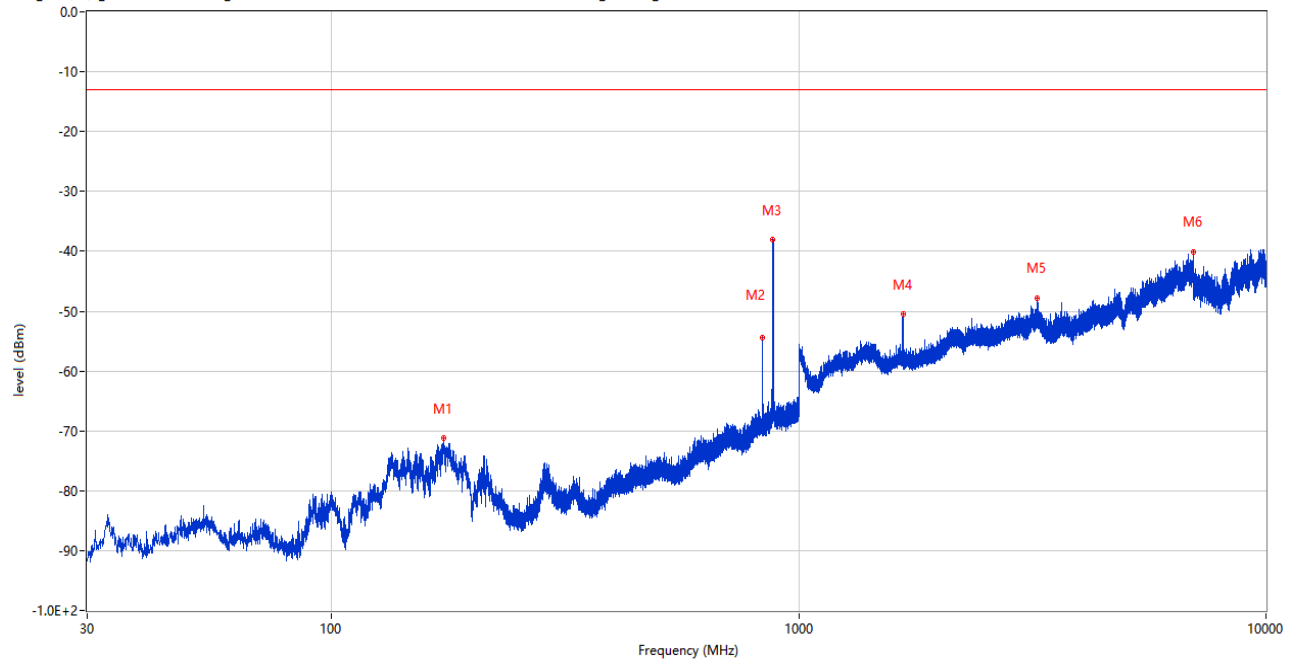
RSE-H&H LTE Band 5 BW3 CH20525



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-69.54	-15.65	-13.0	-56.54	229.00	Horizontal	Horizontal	Pass
835.246	-51.73	2.16	-13.0	-38.73	214.00	Horizontal	Horizontal	N/A
880.787	-36.68	2.66	-13.0	-23.68	22.00	Horizontal	Horizontal	N/A
1670.800	-54.04	-4.29	-13.0	-41.04	248.00	Horizontal	Horizontal	Pass
3246.600	-48.95	6.14	-13.0	-35.95	137.00	Horizontal	Horizontal	Pass
9259.150	-39.83	17.16	-13.0	-26.83	229.00	Horizontal	Horizontal	Pass

RSE-H&V LTE Band 5 BW3 CH20525

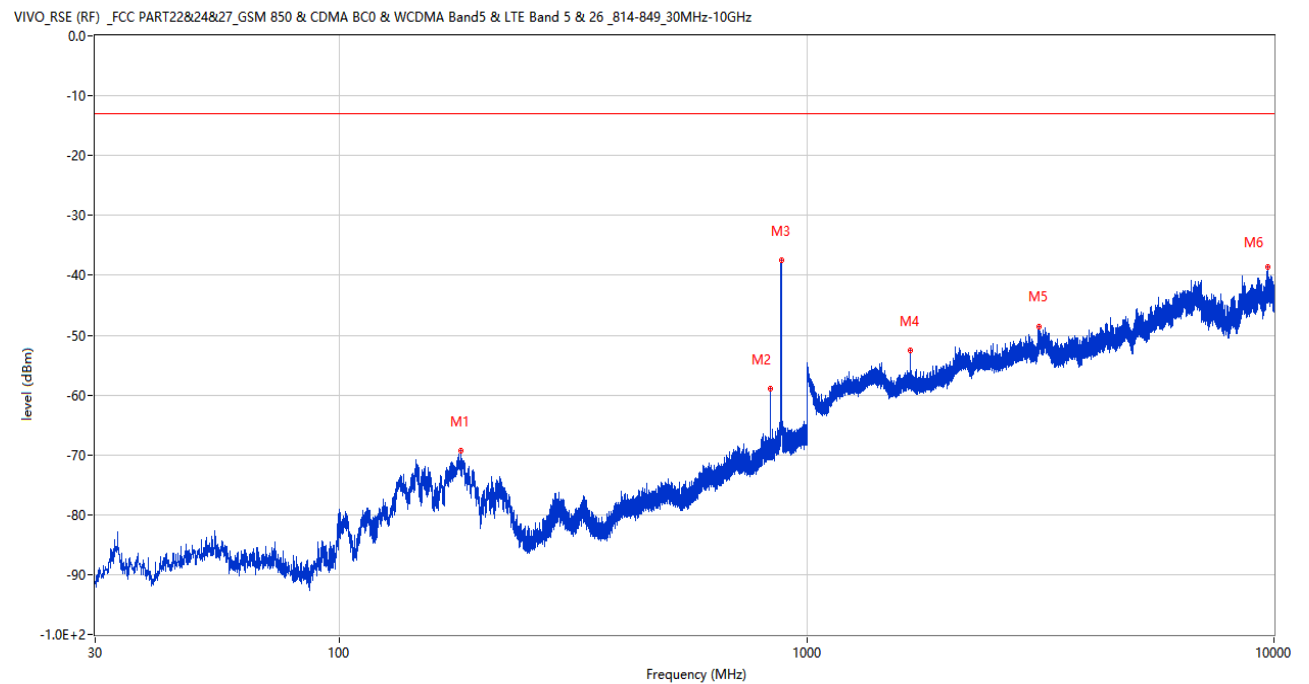
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
173.803	-71.23	-15.34	-13.0	-58.23	146.00	Horizontal	Vertical	Pass
835.294	-54.44	2.16	-13.0	-41.44	344.00	Horizontal	Vertical	N/A
880.884	-38.09	2.67	-13.0	-25.09	360.00	Horizontal	Vertical	N/A
1670.500	-50.55	-4.26	-13.0	-37.55	355.00	Horizontal	Vertical	Pass
3242.200	-47.82	6.32	-13.0	-34.82	83.00	Horizontal	Vertical	Pass
6990.000	-40.18	13.82	-13.0	-27.18	5.00	Horizontal	Vertical	Pass

27.3 LTE Band 5 BW5, Middle Channel

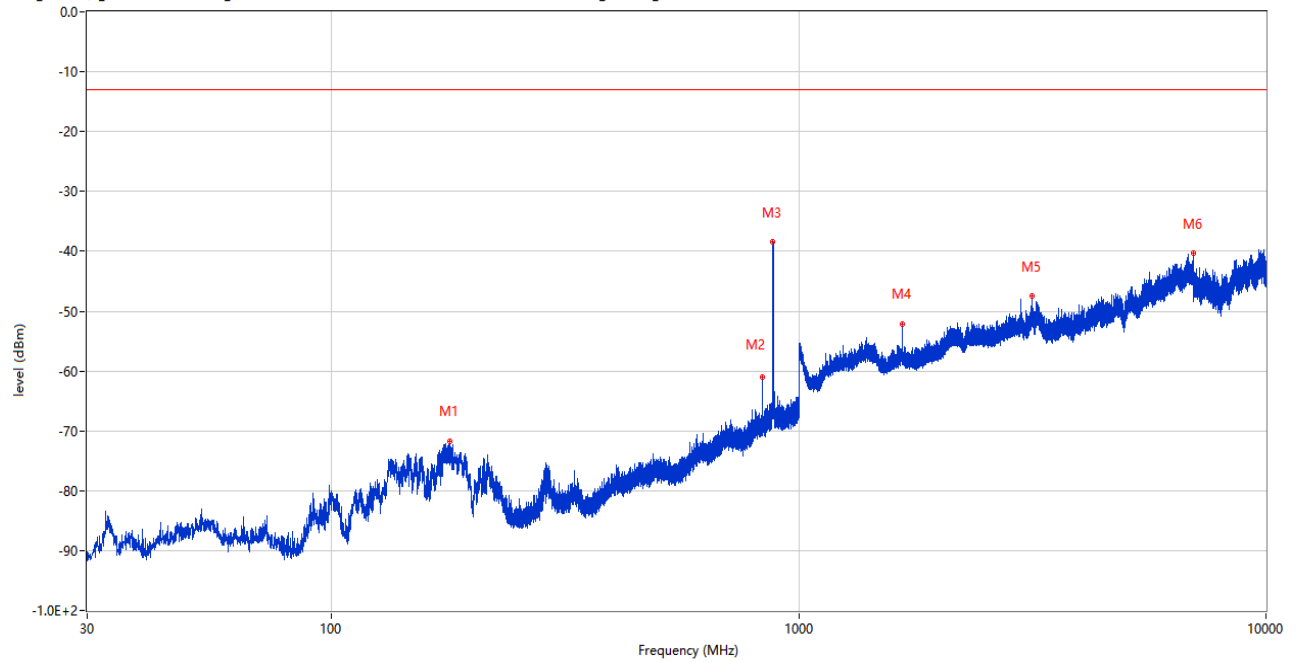
RSE-H&H LTE Band 5 BW5 CH20525



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.999	-69.35	-15.21	-13.0	-56.35	360.00	Horizontal	Horizontal	Pass
834.276	-58.93	2.15	-13.0	-45.93	138.00	Horizontal	Horizontal	N/A
881.417	-37.52	2.72	-13.0	-24.52	57.00	Horizontal	Horizontal	N/A
1668.800	-52.61	-4.23	-13.0	-39.61	0.00	Horizontal	Horizontal	Pass
3146.000	-48.54	5.13	-13.0	-35.54	24.00	Horizontal	Horizontal	Pass
9717.850	-38.54	18.52	-13.0	-25.54	147.00	Horizontal	Horizontal	Pass

RSE-H&V LTE Band 5 BW5 CH20525

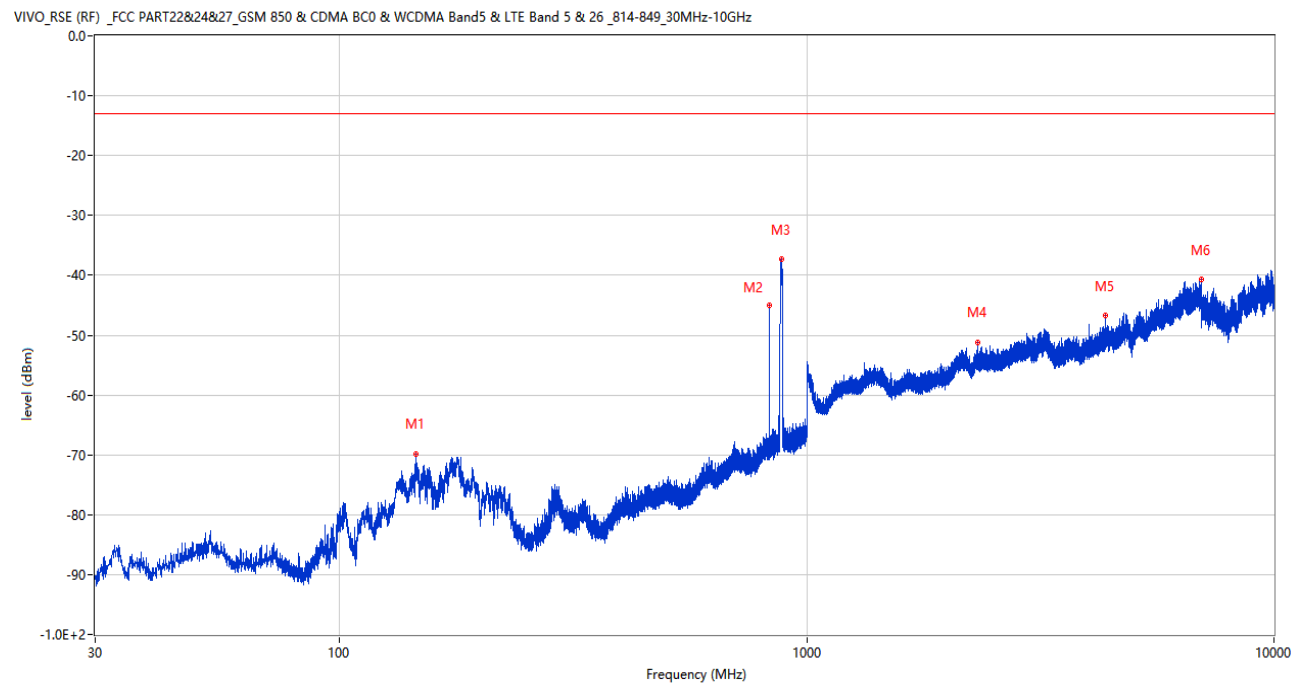
VIVO_RSE (RF) _FCC PART22&24&27_GSM 850 & CDMA BC0 & WCDMA Band5 & LTE Band 5 & 26 _814-849_30MHz-10GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
179.332	-71.80	-15.00	-13.0	-58.80	162.00	Horizontal	Vertical	Pass
834.372	-61.05	2.15	-13.0	-48.05	162.00	Horizontal	Vertical	N/A
880.447	-38.43	2.63	-13.0	-25.43	360.00	Horizontal	Vertical	N/A
1669.000	-52.14	-4.24	-13.0	-39.14	0.00	Horizontal	Vertical	Pass
3152.600	-47.53	5.68	-13.0	-34.53	219.00	Horizontal	Vertical	Pass
6998.400	-40.25	13.95	-13.0	-27.25	15.00	Horizontal	Vertical	Pass

27.4 LTE Band 5 BW10, Middle Channel

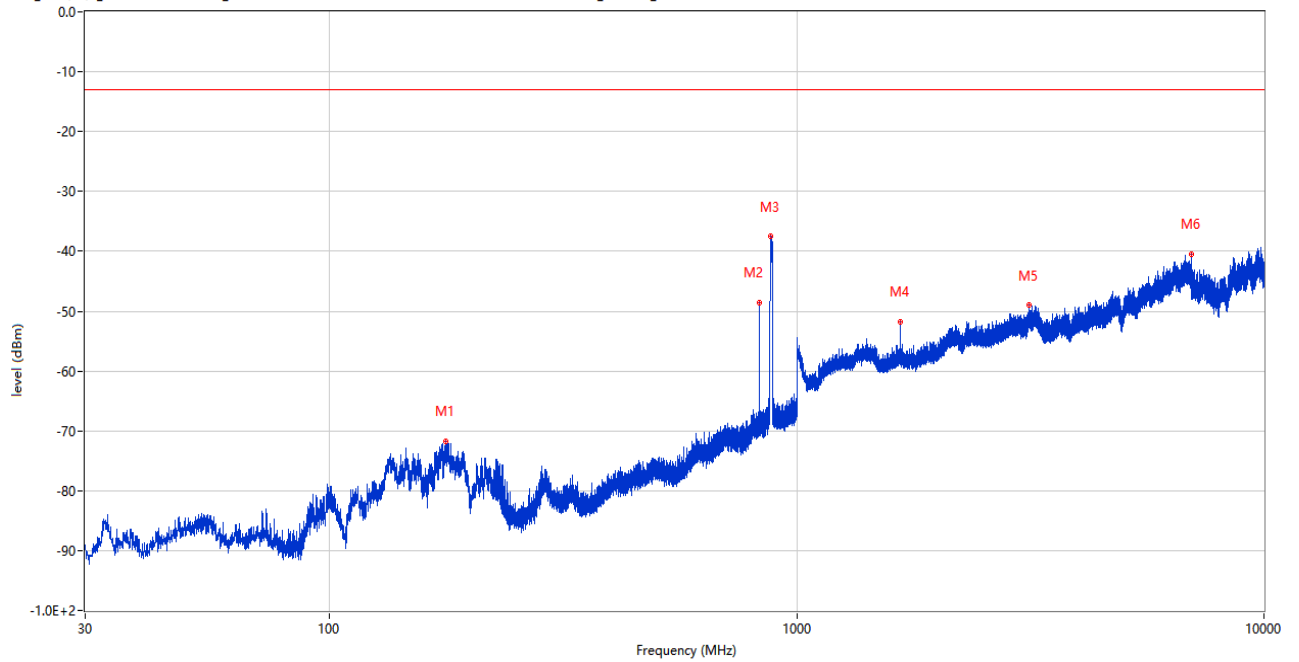
RSE-H&H LTE Band 5 BW10 CH20525



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-69.84	-15.65	-13.0	-56.84	184.00	Horizontal	Horizontal	Pass
832.044	-44.96	2.12	-13.0	-31.96	127.00	Horizontal	Horizontal	N/A
884.182	-37.30	2.77	-13.0	-24.30	10.00	Horizontal	Horizontal	N/A
2323.300	-51.28	-0.93	-13.0	-38.28	105.00	Horizontal	Horizontal	Pass
4366.200	-46.69	6.01	-13.0	-33.69	237.00	Horizontal	Horizontal	Pass
6998.000	-40.59	13.96	-13.0	-27.59	122.00	Horizontal	Horizontal	Pass

RSE-H&V LTE Band 5 BW10 CH20525

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

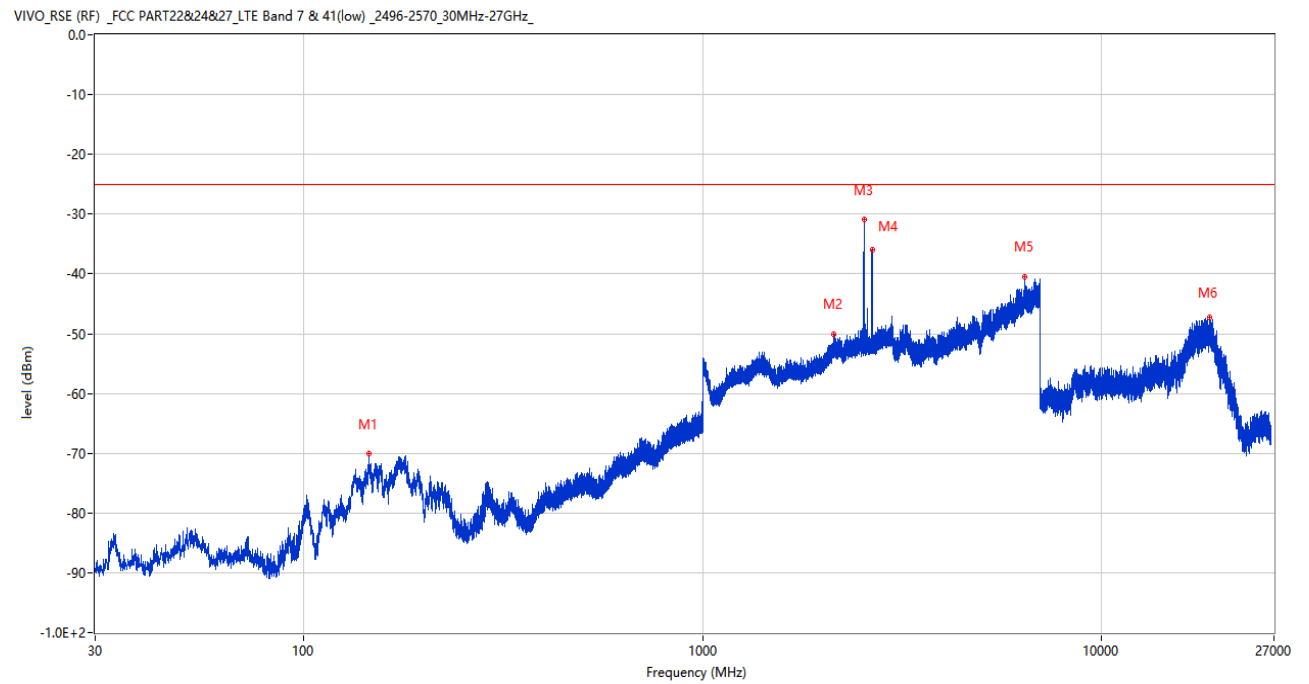


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
177.682	-71.76	-15.04	-13.0	-58.76	146.00	Horizontal	Vertical	Pass
832.093	-48.59	2.12	-13.0	-35.59	197.00	Horizontal	Vertical	N/A
881.030	-37.54	2.68	-13.0	-24.54	9.00	Horizontal	Vertical	N/A
1664.600	-51.78	-4.21	-13.0	-38.78	0.00	Horizontal	Vertical	Pass
3136.600	-49.03	4.49	-13.0	-36.03	25.00	Horizontal	Vertical	Pass
6993.400	-40.57	13.92	-13.0	-27.57	82.00	Horizontal	Vertical	Pass

28 LTE Band 7

28.1 LTE Band 7 BW5, Middle Channel

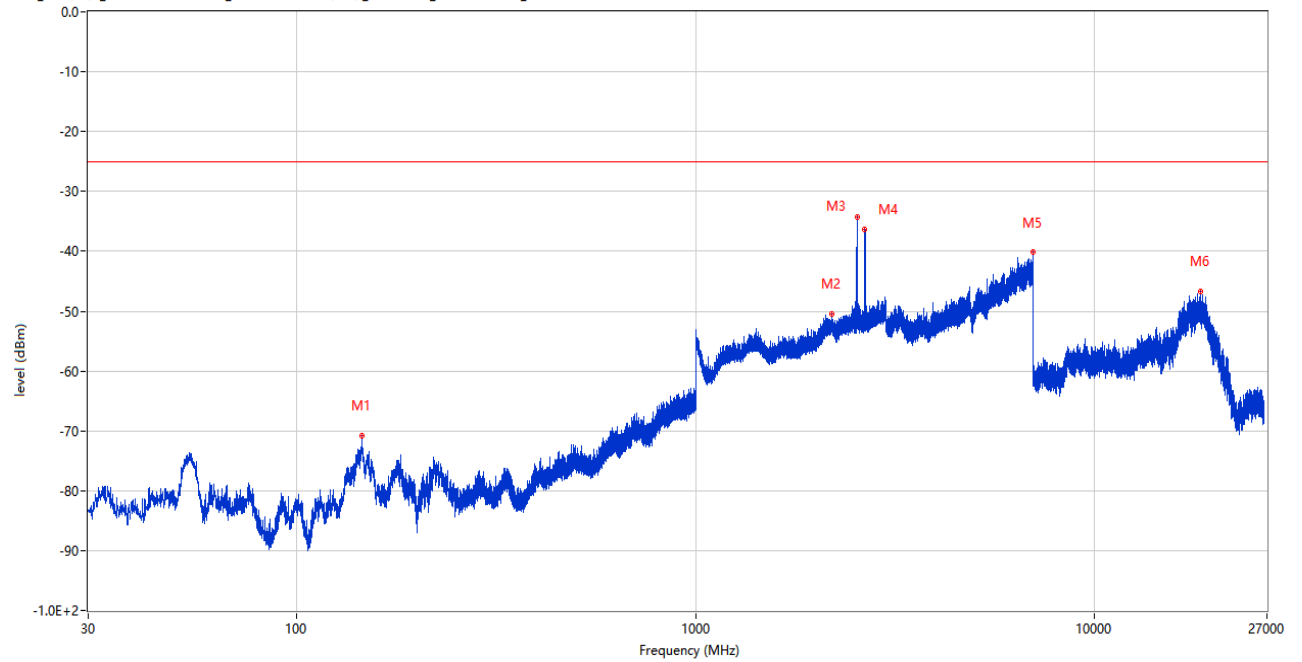
RSE-H&H LTE Band 7 BW5 CH21100



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.04	-15.20	-25.0	-45.04	211.00	Horizontal	Horizontal	Pass
2134.400	-50.09	1.01	-25.0	-25.09	89.00	Horizontal	Horizontal	Pass
2533.000	-30.97	3.56	-25.0	-5.97	79.00	Horizontal	Horizontal	N/A
2655.900	-35.92	2.54	-25.0	-10.92	227.00	Horizontal	Horizontal	N/A
6405.800	-40.55	11.69	-25.0	-15.55	184.00	Horizontal	Horizontal	Pass
18612.427	-47.24	9.49	-25.0	-22.24	283.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 7 BW5 CH21100

VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 7 & 41(low) _2496-2570_30MHz-27GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-70.75	-15.20	-25.0	-45.75	339.00	Vertical	Vertical	Pass
2194.100	-50.42	1.62	-25.0	-25.42	229.00	Vertical	Vertical	Pass
2533.200	-34.35	3.56	-25.0	-9.35	249.00	Vertical	Vertical	N/A
2654.200	-36.28	2.54	-25.0	-11.28	146.00	Vertical	Vertical	N/A
6990.400	-40.16	13.85	-25.0	-15.16	7.00	Vertical	Vertical	Pass
18406.302	-46.63	9.90	-25.0	-21.63	360.00	Vertical	Vertical	Pass

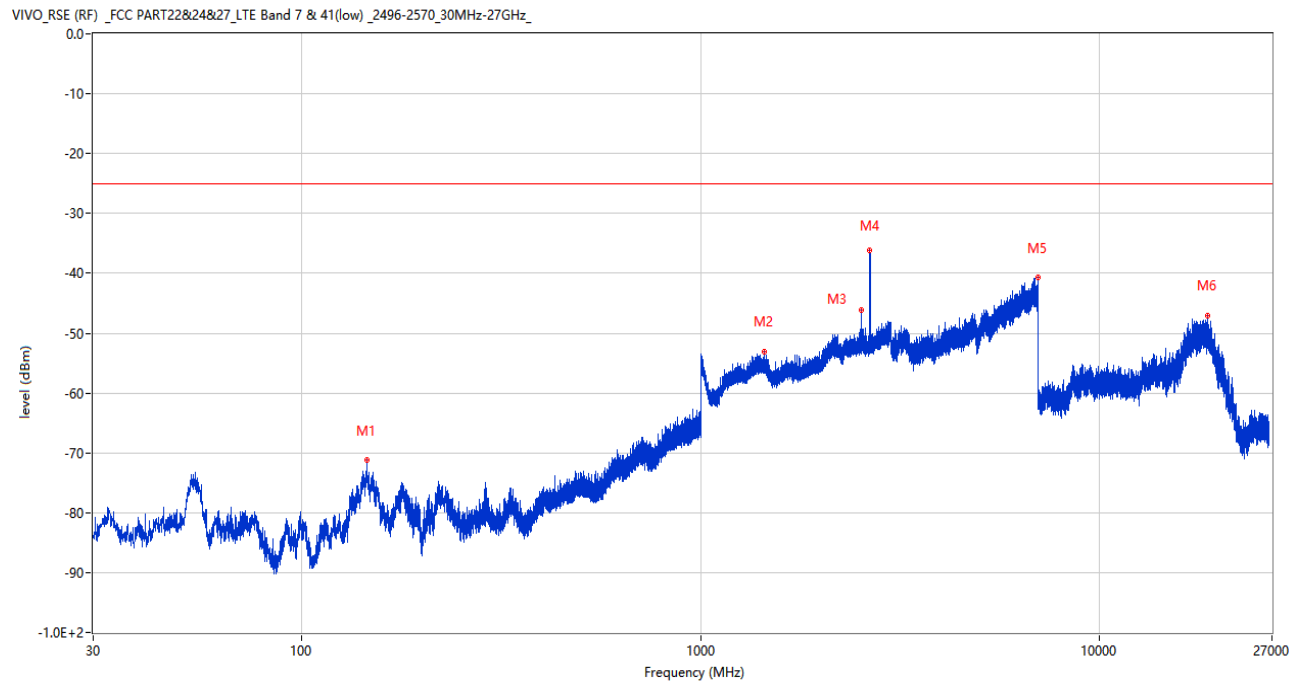
28.2 LTE Band 7 BW10, Middle Channel

RSE-H&H LTE Band 7 BW10 CH21100



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.00	-15.20	-25.0	-45.00	217.00	Horizontal	Horizontal	Pass
1400.900	-53.11	-1.83	-25.0	-28.11	71.00	Horizontal	Horizontal	Pass
2530.800	-43.76	3.54	-25.0	-18.76	82.00	Horizontal	Horizontal	N/A
2654.900	-35.37	2.53	-25.0	-10.37	235.00	Horizontal	Horizontal	N/A
6802.600	-40.80	13.12	-25.0	-15.80	0.00	Horizontal	Horizontal	Pass
18605.199	-46.60	9.50	-25.0	-21.60	279.00	Horizontal	Horizontal	Pass

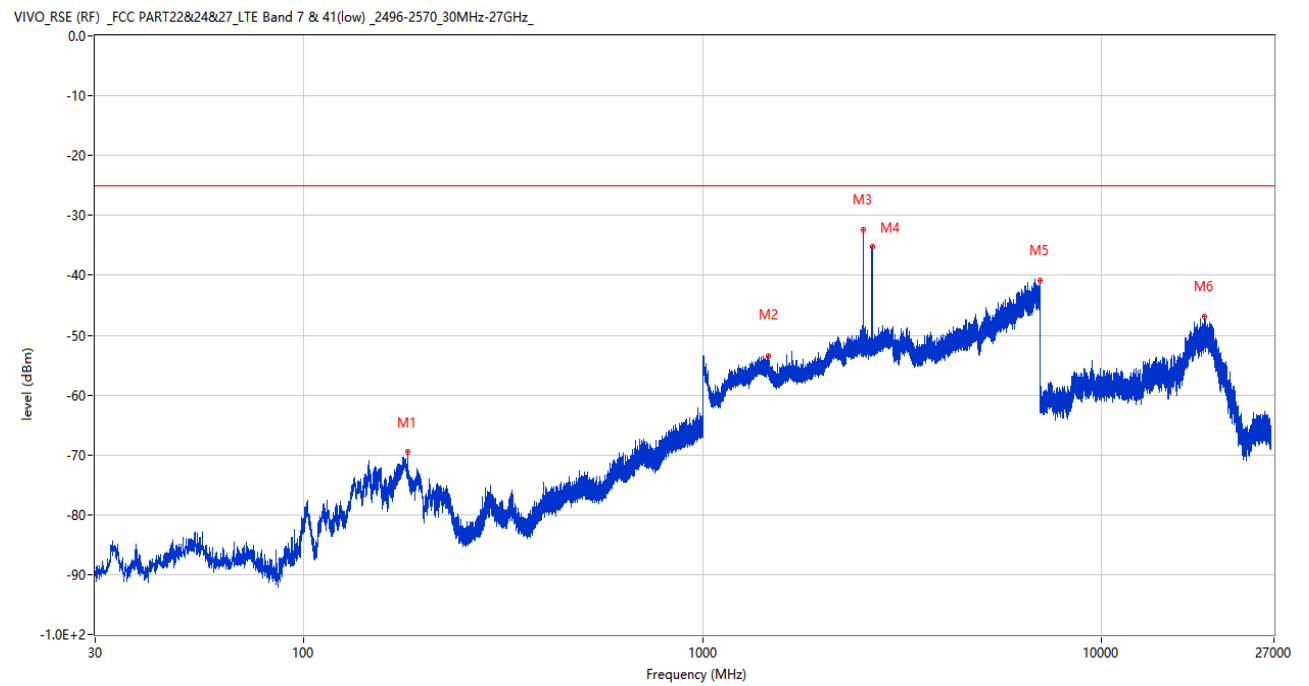
RSE-V&V LTE Band 7 BW10 CH21100



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-71.25	-15.20	-25.0	-46.25	327.00	Vertical	Vertical	Pass
1441.300	-53.09	-2.18	-25.0	-28.09	360.00	Vertical	Vertical	Pass
2530.800	-46.10	3.54	-25.0	-21.10	249.00	Vertical	Vertical	N/A
2652.900	-36.24	2.60	-25.0	-11.24	136.00	Vertical	Vertical	N/A
6998.200	-40.60	13.95	-25.0	-15.60	349.00	Vertical	Vertical	Pass
18603.074	-47.00	9.51	-25.0	-22.00	259.00	Vertical	Vertical	Pass

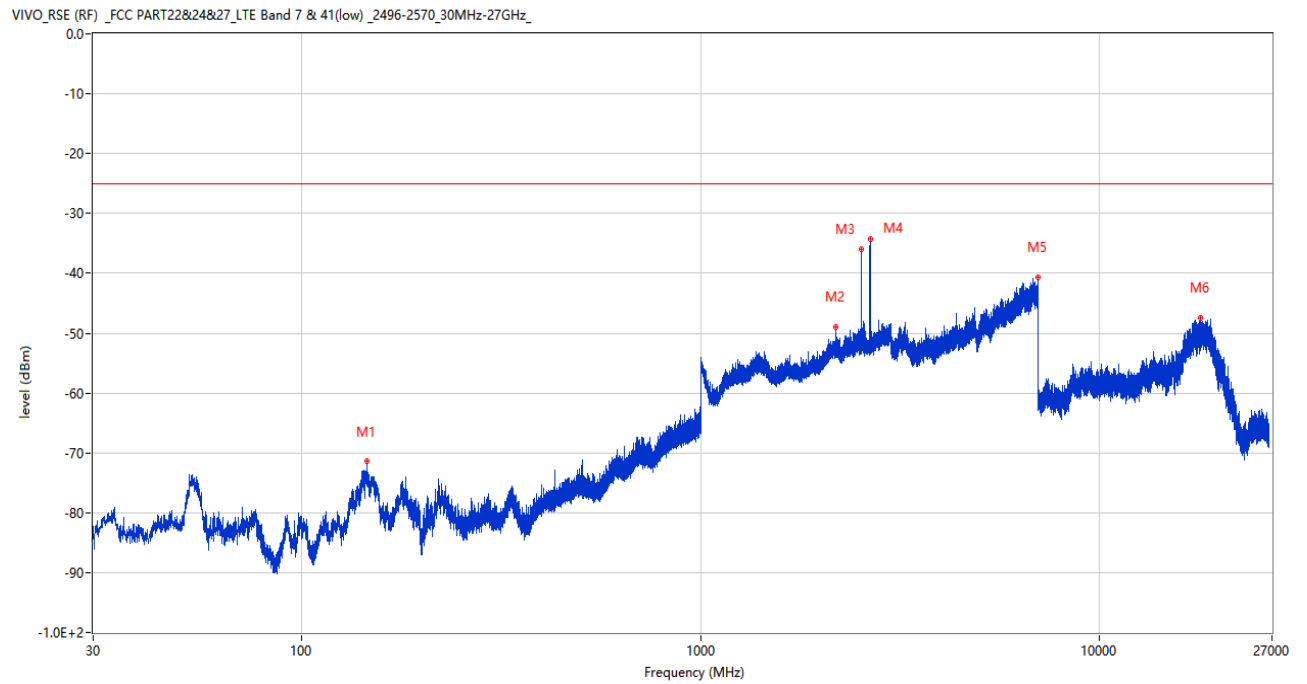
28.3 LTE Band 7 BW15, Middle Channel

RSE-H&H LTE Band 7 BW15 CH21100



Frequency (MHz)	Result (dBm)	Factor(dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
181.854	-69.52	-14.71	-25.0	-44.52	360.00	Horizontal	Horizontal	Pass
1459.700	-53.53	-2.45	-25.0	-28.53	268.00	Horizontal	Horizontal	Pass
2528.500	-32.32	3.52	-25.0	-7.32	87.00	Horizontal	Horizontal	N/A
2656.200	-35.26	2.54	-25.0	-10.26	232.00	Horizontal	Horizontal	N/A
6995.800	-40.93	13.81	-25.0	-15.93	141.00	Horizontal	Horizontal	Pass
18085.425	-46.94	10.53	-25.0	-21.94	55.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 7 BW15 CH21100



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-71.40	-15.20	-25.0	-46.40	360.00	Vertical	Vertical	Pass
2180.800	-48.90	1.13	-25.0	-23.90	44.00	Vertical	Vertical	Pass
2528.500	-35.97	3.52	-25.0	-10.97	313.00	Vertical	Vertical	N/A
2659.000	-34.26	2.51	-25.0	-9.26	141.00	Vertical	Vertical	N/A
6998.600	-40.67	13.94	-25.0	-15.67	0.00	Vertical	Vertical	Pass
17851.425	-47.47	10.51	-25.0	-22.47	342.00	Vertical	Vertical	Pass

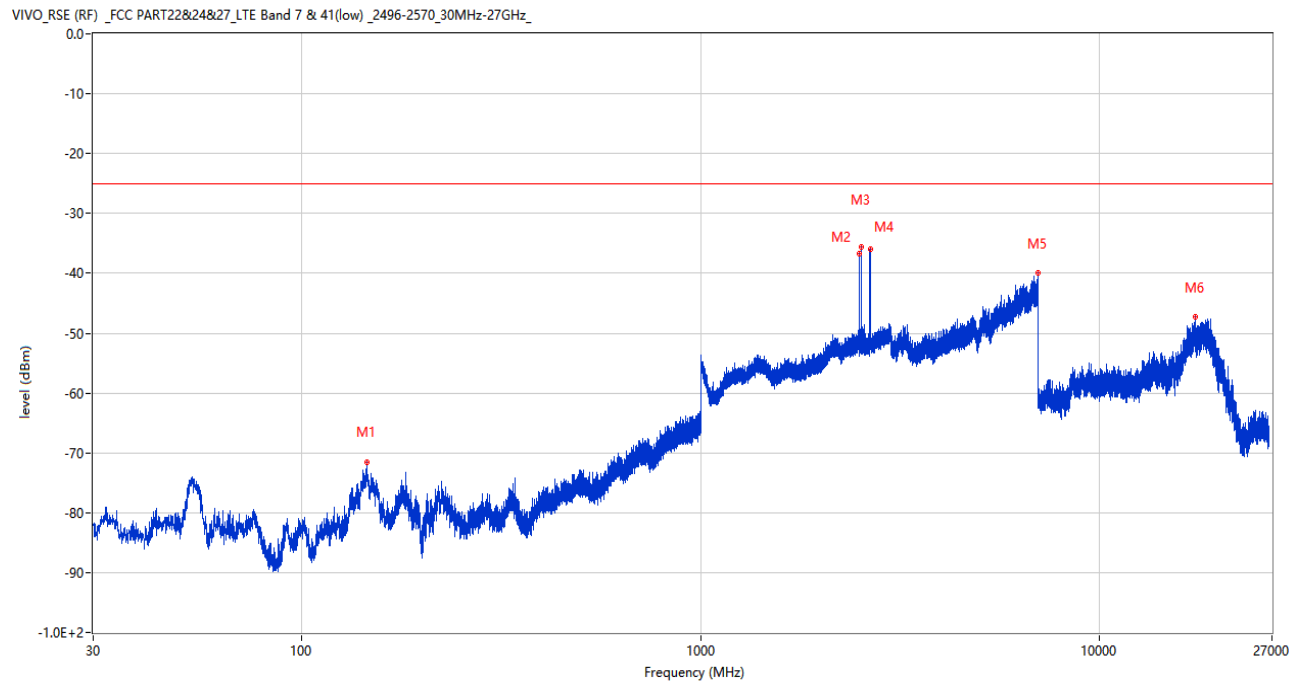
28.4 LTE Band 7 BW20, Middle Channel

RSE-H&H LTE Band 7 BW20 CH21100



Frequency (MHz)	Result (dBm)	Factor(dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.805	-69.11	-14.71	-25.0	-44.11	360.00	Horizontal	Horizontal	Pass
2490.600	-34.12	3.11	-25.0	-9.12	140.00	Horizontal	Horizontal	N/A
2526.300	-31.28	3.49	-25.0	-6.28	74.00	Horizontal	Horizontal	N/A
2657.400	-35.41	2.53	-25.0	-10.41	232.00	Horizontal	Horizontal	N/A
6829.400	-39.70	12.76	-25.0	-14.70	168.00	Horizontal	Horizontal	Pass
18579.700	-47.32	9.55	-25.0	-22.32	244.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 7 BW20 CH21100

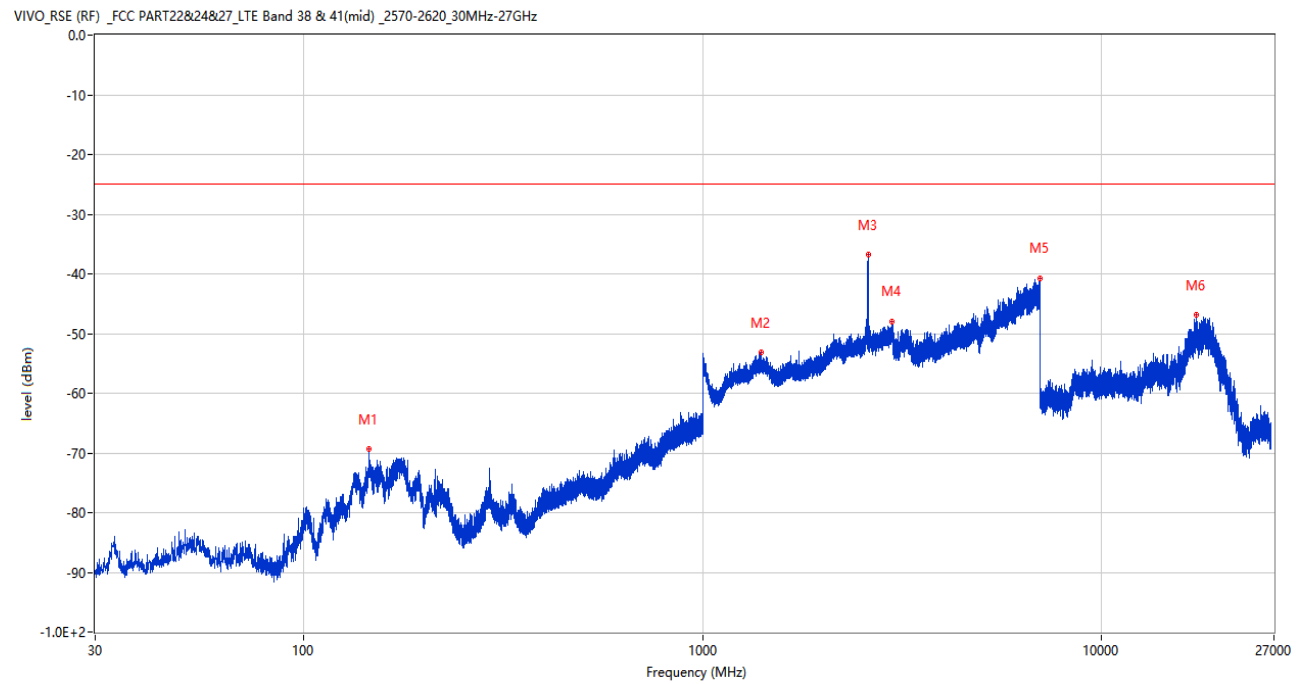


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-71.63	-15.21	-25.0	-46.63	342.00	Vertical	Vertical	Pass
2490.700	-36.73	3.11	-25.0	-11.73	275.00	Vertical	Vertical	N/A
2526.300	-35.56	3.49	-25.0	-10.56	313.00	Vertical	Vertical	N/A
2657.400	-35.97	2.53	-25.0	-10.97	134.00	Vertical	Vertical	N/A
6999.200	-39.94	13.93	-25.0	-14.94	356.00	Vertical	Vertical	Pass
17346.376	-47.30	10.60	-25.0	-22.30	9.00	Vertical	Vertical	Pass

29 LTE Band 38

29.1 LTE Band 38 BW5, Middle Channel

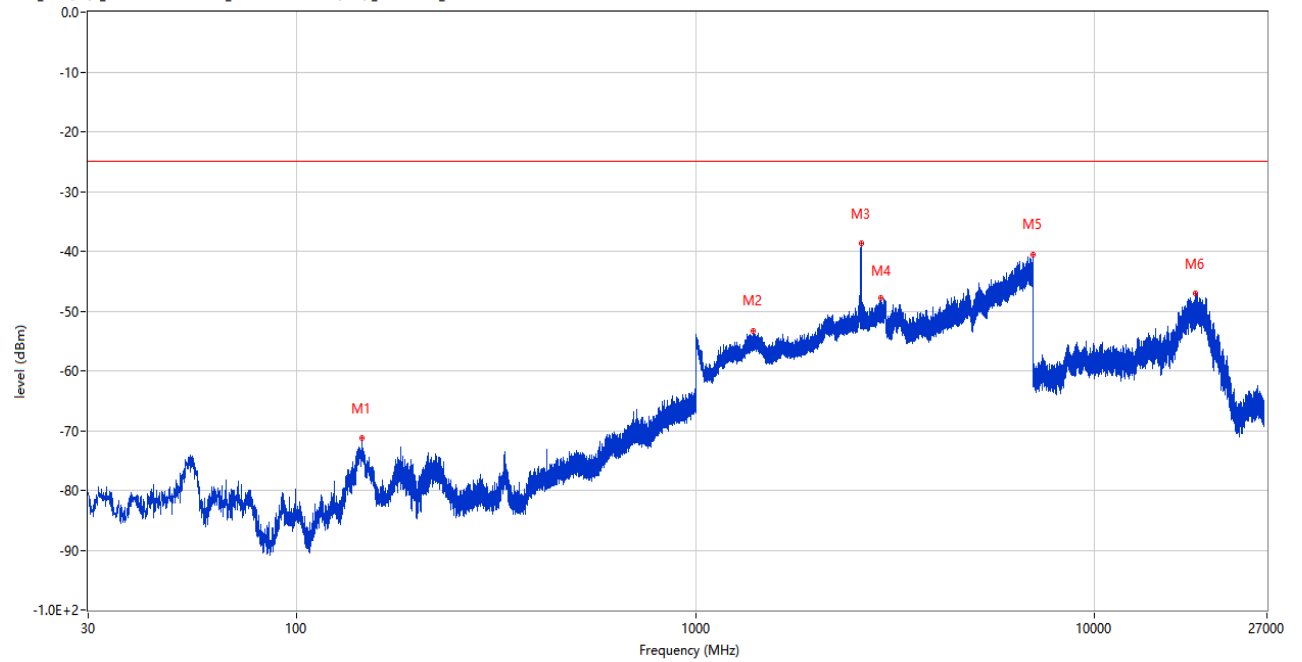
RSE-H&H LTE Band 38 BW5 CH38000



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-69.34	-15.20	-25.0	-44.34	182.00	Horizontal	Horizontal	Pass
1399.900	-53.17	-1.76	-25.0	-28.17	254.00	Horizontal	Horizontal	Pass
2593.000	-36.77	4.78	-25.0	-11.77	109.00	Horizontal	Horizontal	N/A
2983.200	-47.91	5.06	-25.0	-22.91	187.00	Horizontal	Horizontal	Pass
6991.400	-40.73	13.92	-25.0	-15.73	126.00	Horizontal	Horizontal	Pass
17236.650	-46.84	11.00	-25.0	-21.84	32.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 38 BW5 CH38000

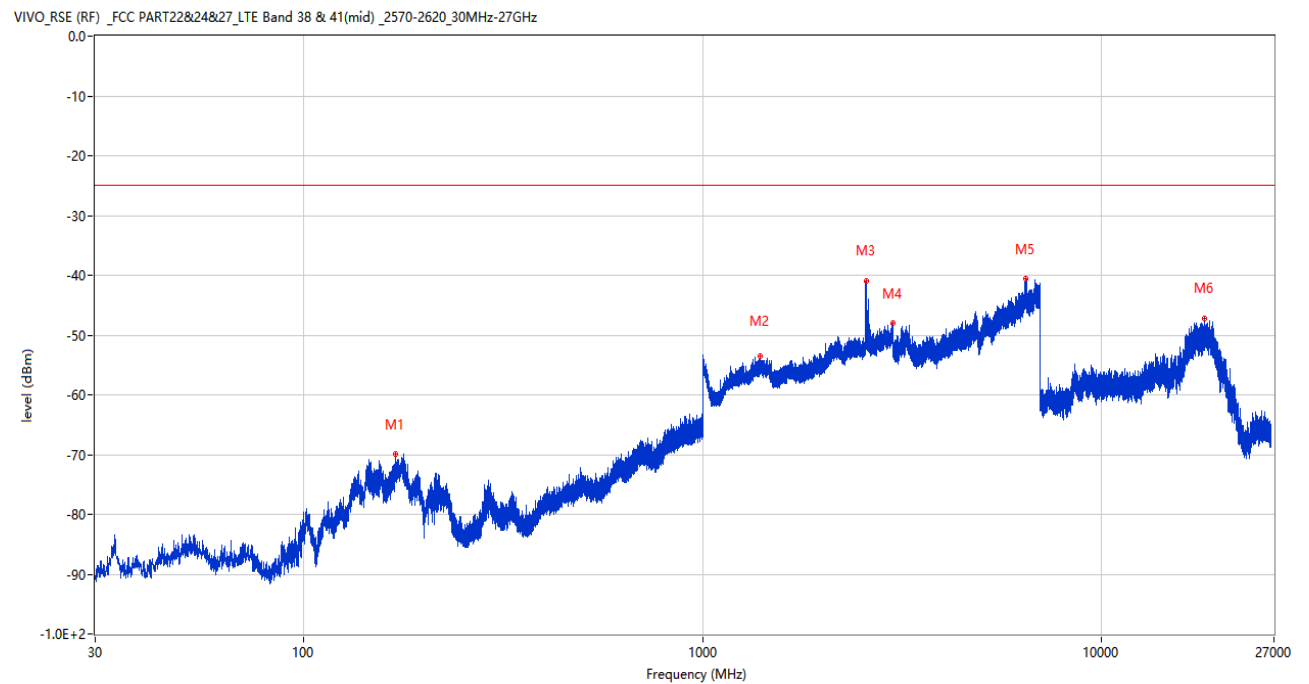
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-71.16	-15.19	-25.0	-46.16	347.00	Vertical	Vertical	Pass
1394.400	-53.34	-1.78	-25.0	-28.34	94.00	Vertical	Vertical	Pass
2593.000	-38.74	4.78	-25.0	-13.74	245.00	Vertical	Vertical	N/A
2909.300	-47.89	4.59	-25.0	-22.89	202.00	Vertical	Vertical	Pass
6985.800	-40.52	13.62	-25.0	-15.52	55.00	Vertical	Vertical	Pass
17848.801	-47.09	10.50	-25.0	-22.09	183.00	Vertical	Vertical	Pass

29.2 LTE Band 38 BW10, Middle Channel

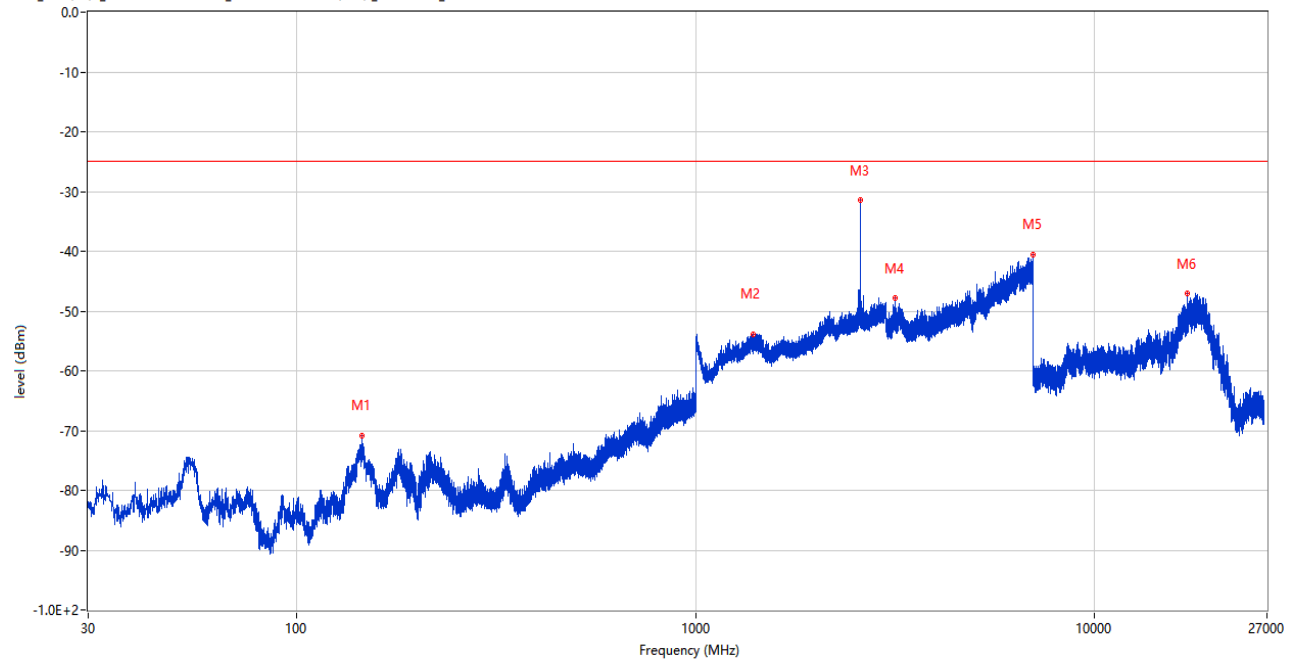
RSE-H&H LTE Band 38 BW10 CH38000



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
169.534	-69.96	-15.14	-25.0	-44.96	158.00	Horizontal	Horizontal	Pass
1391.000	-53.46	-1.88	-25.0	-28.46	0.00	Horizontal	Horizontal	Pass
2562.400	-40.98	5.53	-25.0	-15.98	20.00	Horizontal	Horizontal	N/A
2993.700	-48.05	4.67	-25.0	-23.05	144.00	Horizontal	Horizontal	Pass
6458.600	-40.64	12.81	-25.0	-15.64	261.00	Horizontal	Horizontal	Pass
18109.225	-47.26	10.48	-25.0	-22.26	101.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 38 BW10 CH38000

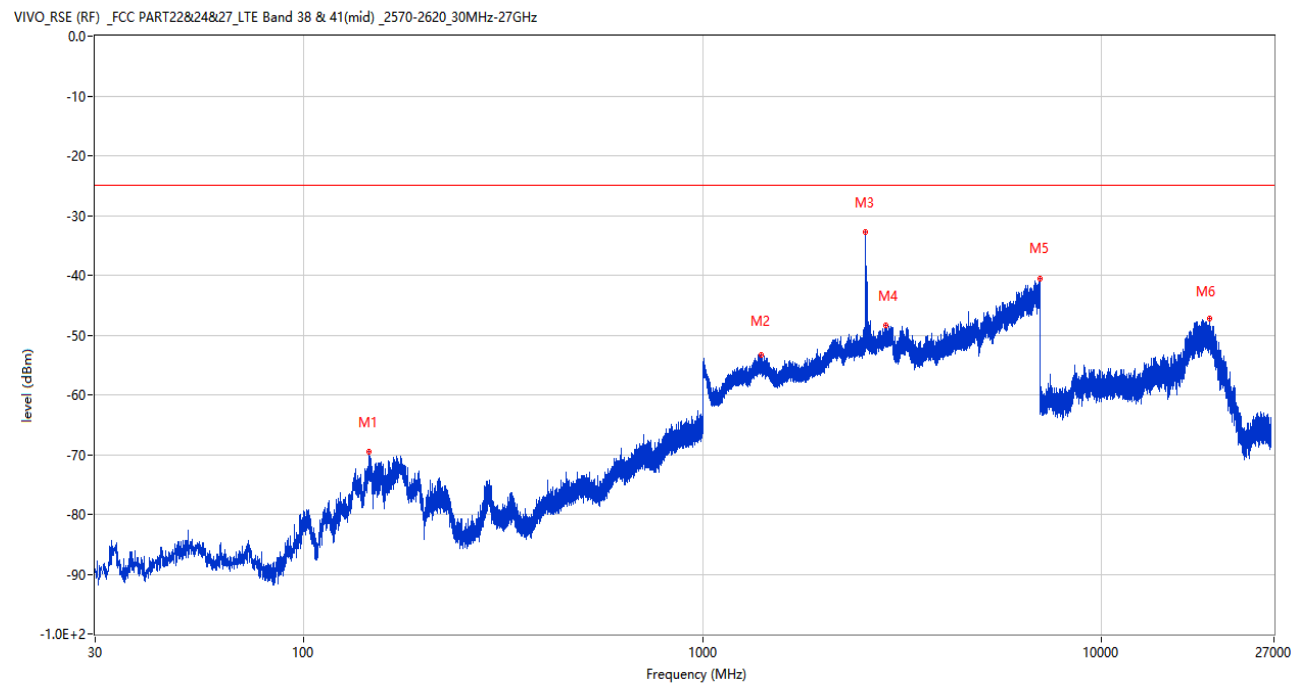
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-70.95	-15.20	-25.0	-45.95	3.00	Vertical	Vertical	Pass
1392.500	-53.94	-1.77	-25.0	-28.94	161.00	Vertical	Vertical	Pass
2590.800	-31.52	4.87	-25.0	-6.52	327.00	Vertical	Vertical	N/A
3157.400	-47.86	6.05	-25.0	-22.86	269.00	Vertical	Vertical	Pass
6997.200	-40.51	13.92	-25.0	-15.51	138.00	Vertical	Vertical	Pass
17090.699	-47.13	10.10	-25.0	-22.13	13.00	Vertical	Vertical	Pass

29.3 LTE Band 38 BW15, Middle Channel

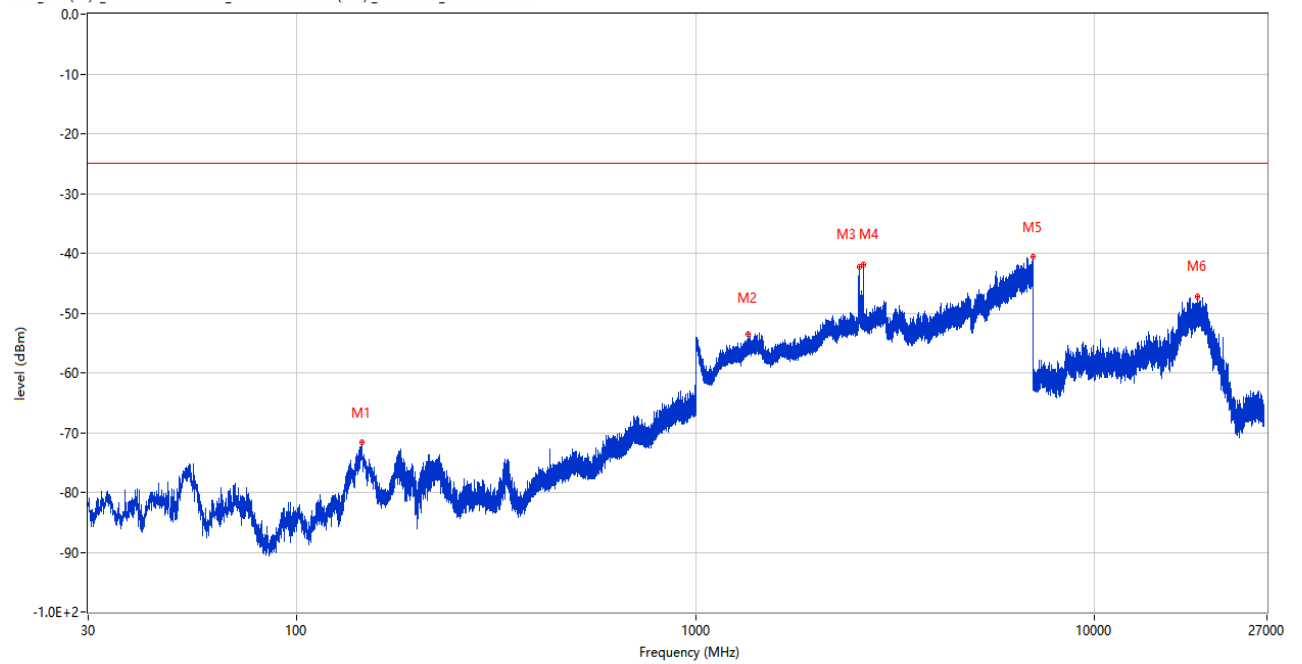
RSE-H&H LTE Band 38 BW15 CH38000



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-69.60	-15.20	-25.0	-44.60	165.00	Horizontal	Horizontal	Pass
1401.300	-53.35	-1.73	-25.0	-28.35	0.00	Horizontal	Horizontal	Pass
2561.800	-32.77	5.01	-25.0	-7.77	108.00	Horizontal	Horizontal	N/A
2875.300	-48.44	4.55	-25.0	-23.44	9.00	Horizontal	Horizontal	Pass
6993.400	-40.64	13.92	-25.0	-15.64	111.00	Horizontal	Horizontal	Pass
18616.676	-47.26	9.48	-25.0	-22.26	244.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 38 BW15 CH38000

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



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.71	-15.19	-25.0	-46.71	10.00	Vertical	Vertical	Pass
1350.100	-53.60	-2.25	-25.0	-28.60	32.00	Vertical	Vertical	Pass
2562.600	-42.22	5.70	-25.0	-17.22	80.00	Vertical	Vertical	N/A
2626.100	-42.00	3.65	-25.0	-17.00	80.00	Vertical	Vertical	N/A
6990.600	-40.64	13.86	-25.0	-15.64	205.00	Vertical	Vertical	Pass
18120.700	-47.15	10.46	-25.0	-22.15	264.00	Vertical	Vertical	Pass

29.4 LTE Band 38 BW20, Middle Channel

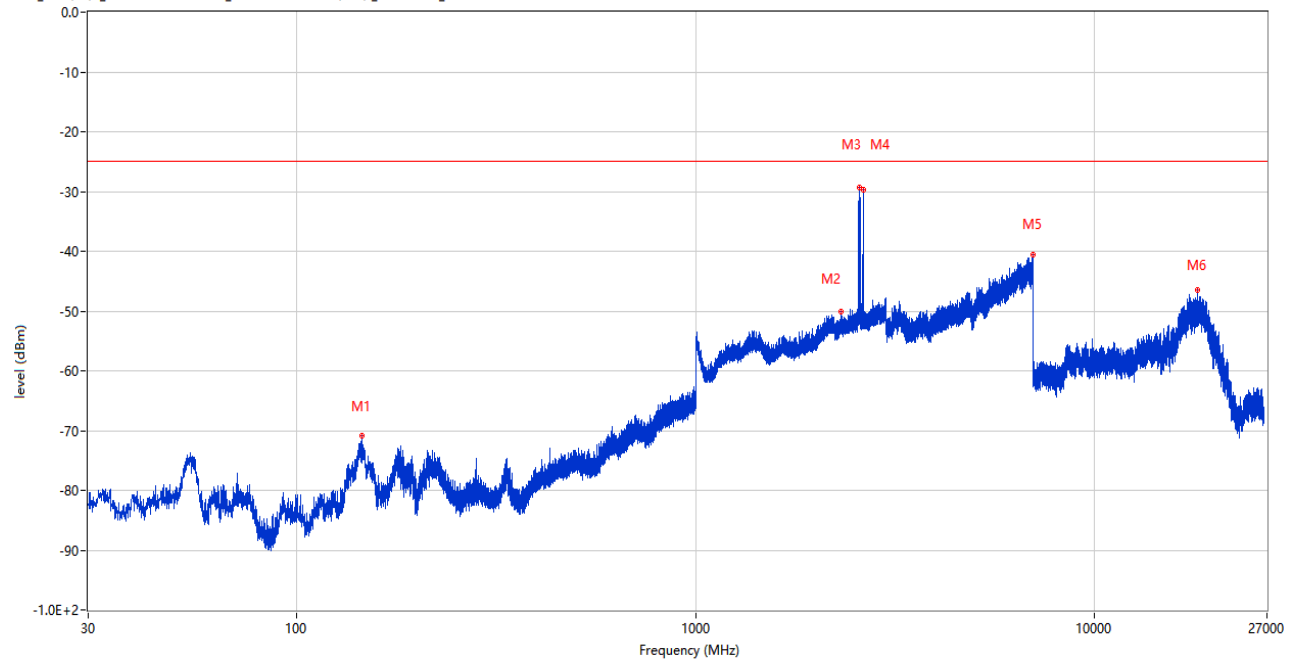
RSE-H&H LTE Band 38 BW20 CH38000



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
167.400	-69.79	-15.28	-25.0	-44.79	162.00	Horizontal	Horizontal	Pass
2132.200	-50.18	0.90	-25.0	-25.18	47.00	Horizontal	Horizontal	Pass
2558.400	-28.35	3.08	-25.0	-3.35	96.00	Horizontal	Horizontal	N/A
2627.900	-28.18	3.48	-25.0	-3.18	84.00	Horizontal	Horizontal	N/A
6992.800	-41.01	13.92	-25.0	-16.01	124.00	Horizontal	Horizontal	Pass
17849.324	-46.56	10.51	-25.0	-21.56	83.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 38 BW20 CH38000

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



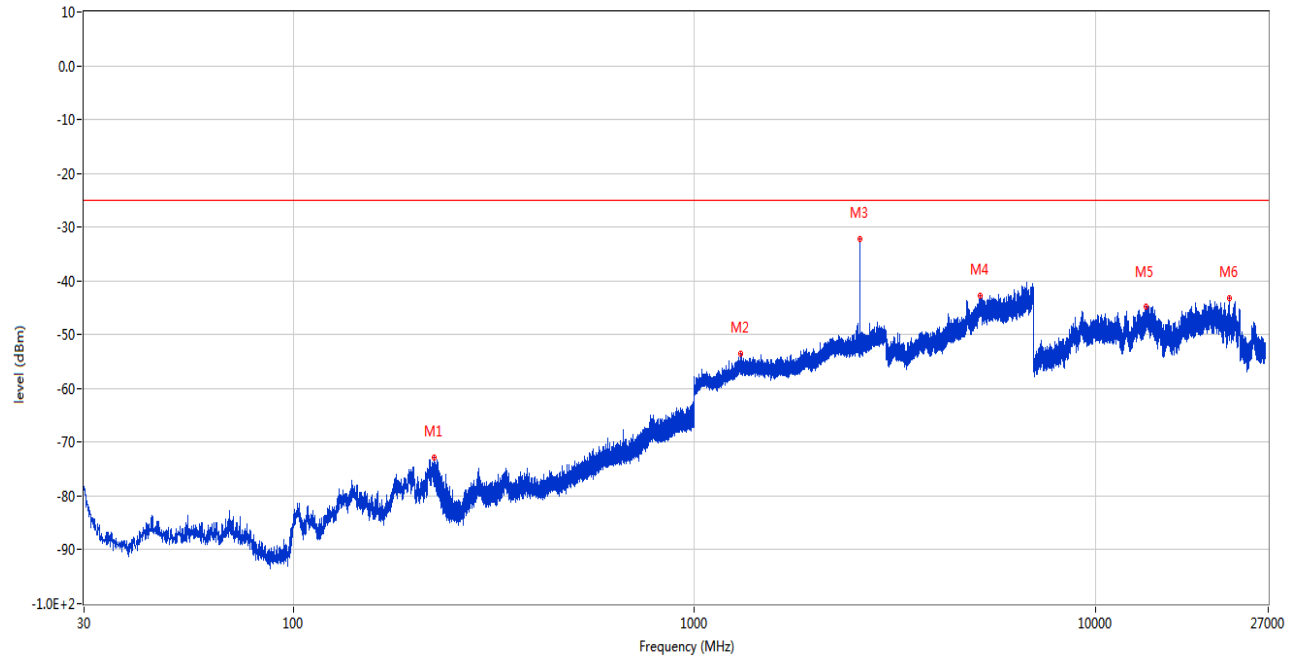
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-70.79	-15.20	-25.0	-45.79	297.00	Vertical	Vertical	Pass
2317.900	-50.11	1.26	-25.0	-25.11	360.00	Vertical	Vertical	Pass
2563.500	-29.30	6.00	-25.0	-4.30	253.00	Vertical	Vertical	N/A
2624.000	-29.72	3.72	-25.0	-4.72	316.00	Vertical	Vertical	N/A
6996.800	-40.49	13.89	-25.0	-15.49	69.00	Vertical	Vertical	Pass
18093.074	-46.52	10.52	-25.0	-21.52	360.00	Vertical	Vertical	Pass

30 LTE Band 41

30.1 LTE Band 41 BW5, Middle Channel

RSE-H&H LTE Band 41 BW5 CH40620

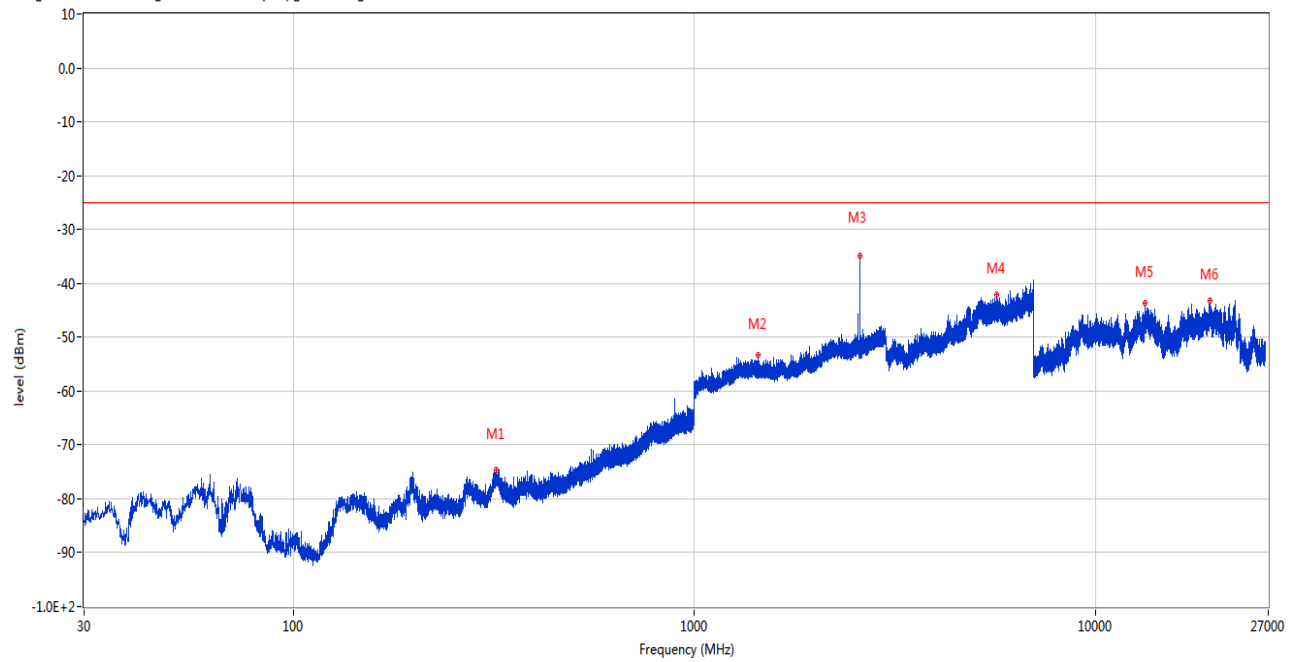
VIVO_FCC PART22&24&27_LTE Band 38 & 41(mid)_2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
224.727	-72.91	-14.99	-25.0	-47.91	65.00	Horizontal	Horizontal	Pass
1307.200	-53.55	-2.26	-25.0	-28.55	355.00	Horizontal	Horizontal	Pass
2591.500	-32.27	2.56	-25.0	-7.27	148.00	Horizontal	Horizontal	N/A
5150.400	-42.77	10.42	-25.0	-17.77	196.00	Horizontal	Horizontal	Pass
13405.987	-44.87	10.78	-25.0	-19.87	184.00	Horizontal	Horizontal	Pass
21642.250	-43.14	14.71	-25.0	-18.14	309.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 41 BW5 CH40620

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



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
320.660	-74.54	-10.81	-25.0	-49.54	49.00	Vertical	Vertical	Pass
1441.800	-53.40	-2.74	-25.0	-28.40	2.00	Vertical	Vertical	Pass
2591.700	-34.94	2.56	-25.0	-9.94	183.00	Vertical	Vertical	N/A
5660.600	-42.13	10.10	-25.0	-17.13	251.00	Vertical	Vertical	Pass
13307.288	-43.59	10.53	-25.0	-18.59	50.00	Vertical	Vertical	Pass
19335.776	-43.24	16.02	-25.0	-18.24	110.00	Vertical	Vertical	Pass

30.2 LTE Band 41 BW10, Middle Channel

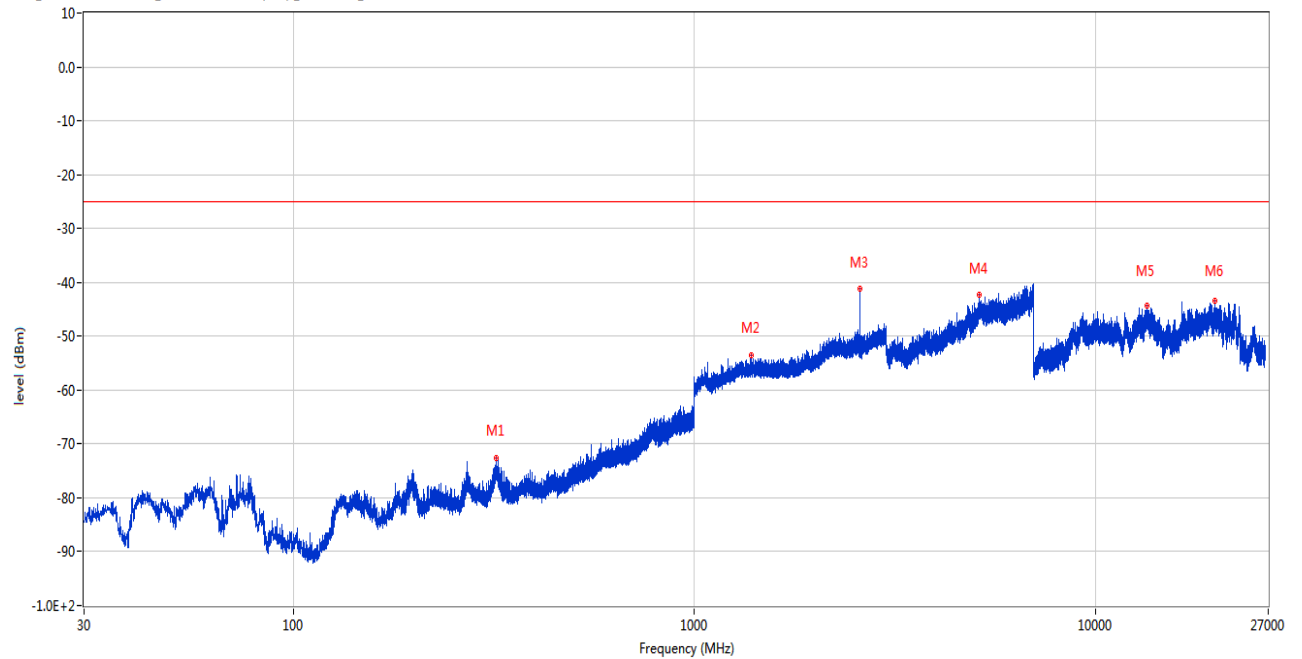
RSE-H&H LTE Band 41 BW10 CH40620



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
224.970	-73.02	-14.98	-25.0	-48.02	222.00	Horizontal	Horizontal	Pass
1423.900	-52.69	-2.57	-25.0	-27.69	86.00	Horizontal	Horizontal	Pass
2589.400	-38.49	2.55	-25.0	-13.49	141.00	Horizontal	Horizontal	N/A
5168.800	-42.62	10.63	-25.0	-17.62	13.00	Horizontal	Horizontal	Pass
13452.450	-44.12	11.50	-25.0	-19.12	143.00	Horizontal	Horizontal	Pass
21638.001	-43.06	14.70	-25.0	-18.06	44.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 41 BW10 CH40620

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



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
319.884	-72.55	-10.92	-25.0	-47.55	28.00	Vertical	Vertical	Pass
1384.000	-53.58	-2.55	-25.0	-28.58	91.00	Vertical	Vertical	Pass
2589.300	-41.26	2.55	-25.0	-16.26	178.00	Vertical	Vertical	N/A
5132.800	-42.38	10.74	-25.0	-17.38	358.00	Vertical	Vertical	Pass
13459.276	-44.25	11.45	-25.0	-19.25	93.00	Vertical	Vertical	Pass
19917.599	-43.50	16.41	-25.0	-18.50	108.00	Vertical	Vertical	Pass

30.3 LTE Band 41 BW15, Middle Channel

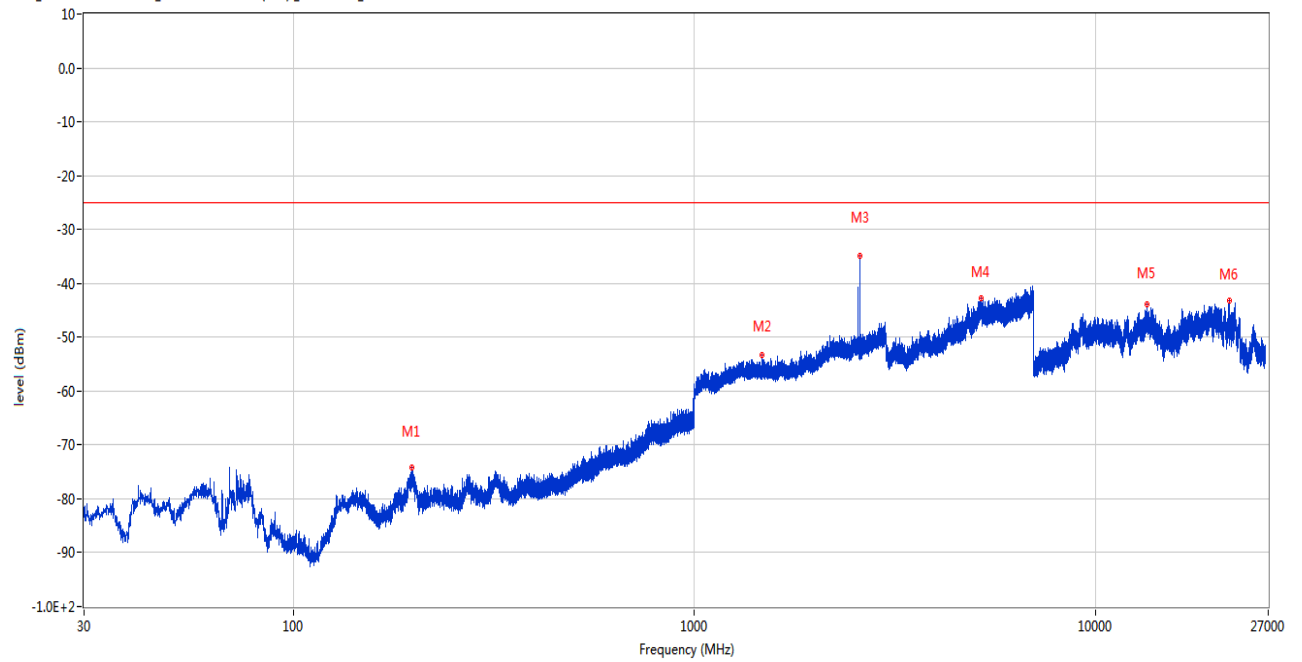
RSE-H&H LTE Band 41 BW15 CH40620



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
217.646	-73.45	-15.51	-25.0	-48.45	92.00	Horizontal	Horizontal	Pass
1496.200	-53.57	-2.89	-25.0	-28.57	264.00	Horizontal	Horizontal	Pass
2587.000	-29.90	2.54	-25.0	-4.90	144.00	Horizontal	Horizontal	N/A
5172.600	-42.34	10.56	-25.0	-17.34	360.00	Horizontal	Horizontal	Pass
13449.300	-44.66	11.50	-25.0	-19.66	244.00	Horizontal	Horizontal	Pass
19518.525	-43.29	14.17	-25.0	-18.29	114.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 41 BW15 CH40620

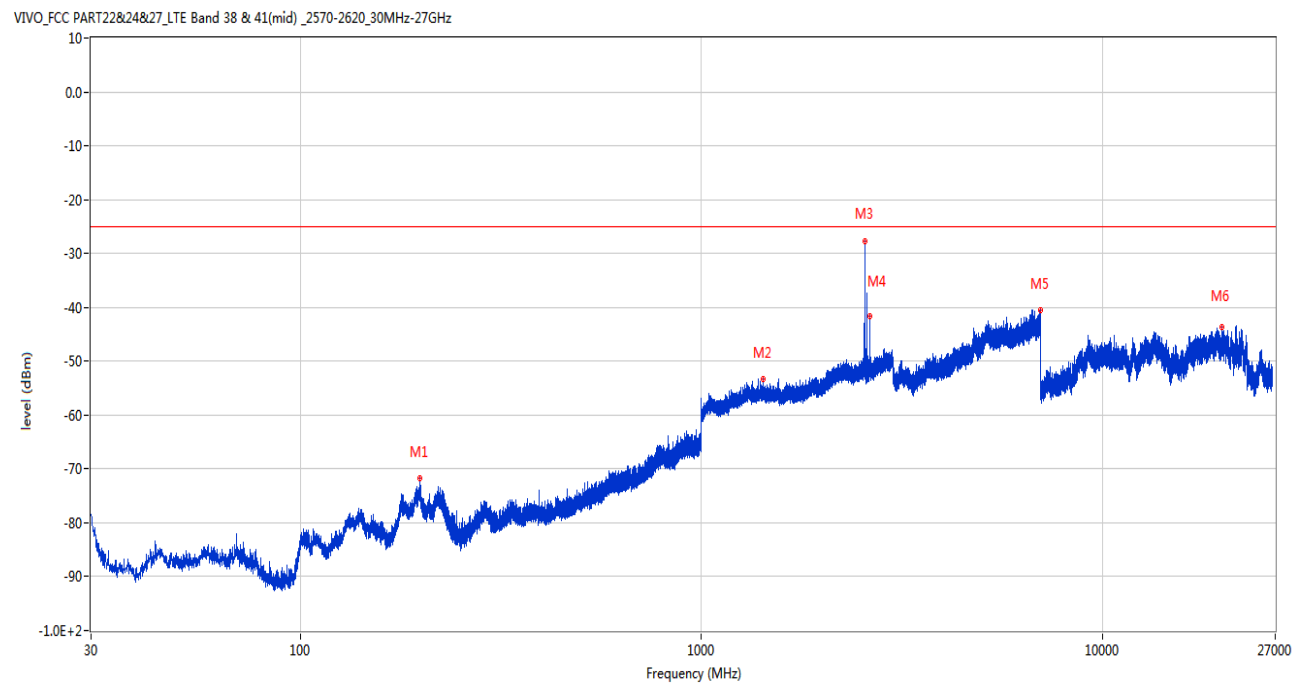
VIVO_FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
197.616	-74.26	-14.54	-25.0	-49.26	117.00	Vertical	Vertical	Pass
1472.700	-53.31	-2.83	-25.0	-28.31	0.00	Vertical	Vertical	Pass
2587.000	-34.82	2.54	-25.0	-9.82	318.00	Vertical	Vertical	N/A
5198.200	-42.70	10.43	-25.0	-17.70	123.00	Vertical	Vertical	Pass
13450.350	-43.85	11.51	-25.0	-18.85	19.00	Vertical	Vertical	Pass
21643.100	-43.10	14.71	-25.0	-18.10	110.00	Vertical	Vertical	Pass

30.4 LTE Band 41 BW20, Middle Channel

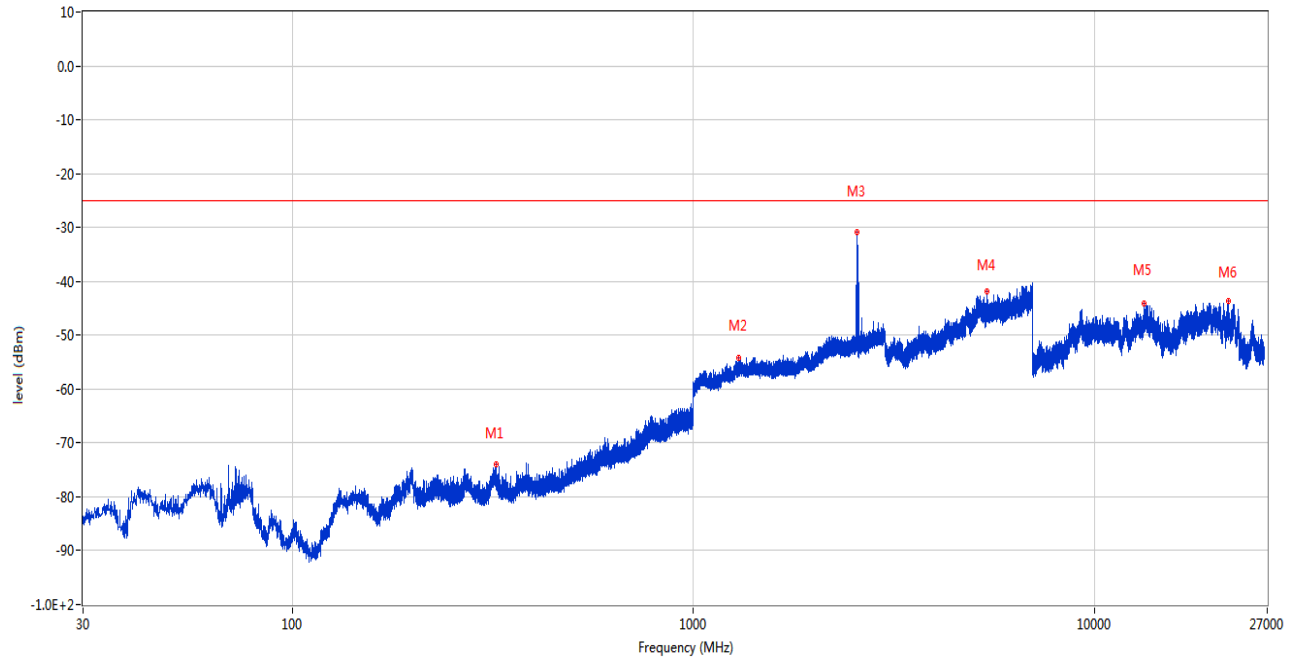
RSE-H&H LTE Band 41 BW20 CH40620



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
198.004	-71.80	-14.57	-25.0	-46.80	249.00	Horizontal	Horizontal	Pass
1427.100	-53.34	-2.63	-25.0	-28.34	360.00	Horizontal	Horizontal	Pass
2562.500	-27.65	2.40	-25.0	-2.65	138.00	Horizontal	Horizontal	N/A
2623.800	-41.62	2.85	-25.0	-16.62	138.00	Horizontal	Horizontal	N/A
6993.800	-40.56	13.57	-25.0	-15.56	167.00	Horizontal	Horizontal	Pass
19918.025	-43.60	16.41	-25.0	-18.60	6.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 41 BW20 CH40620

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

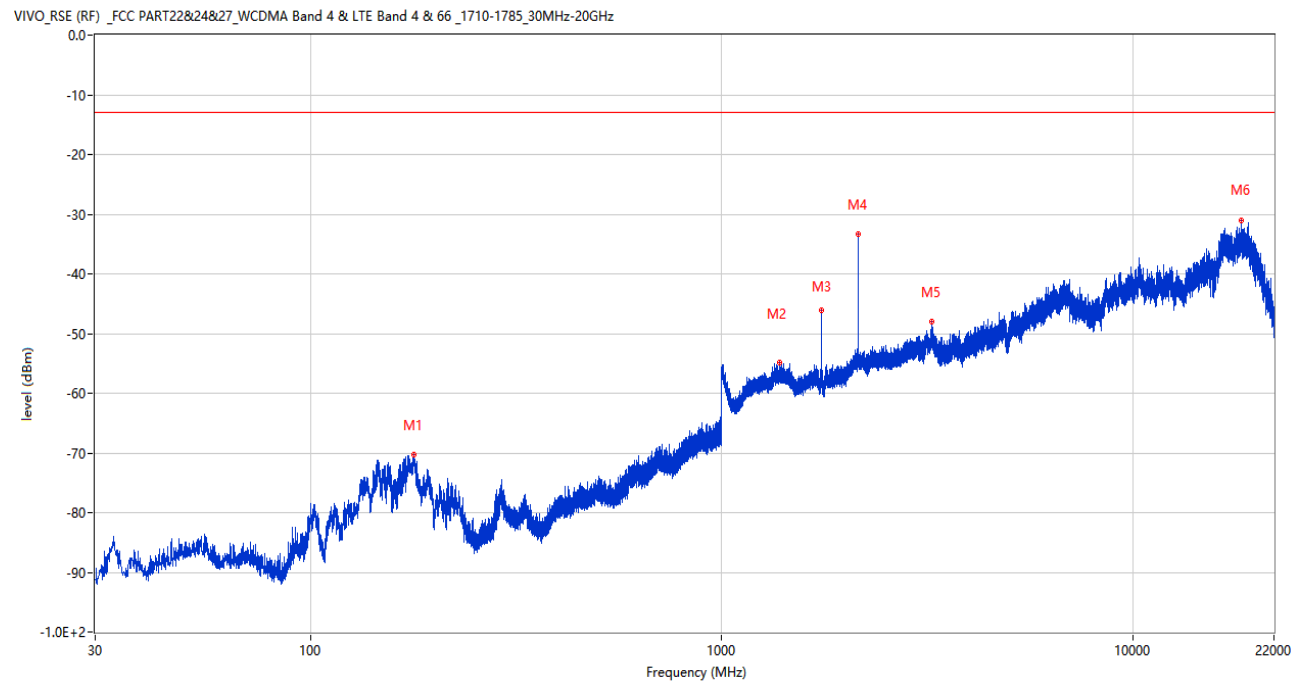


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
321.388	-73.93	-10.72	-25.0	-48.93	22.00	Vertical	Vertical	Pass
1294.500	-54.16	-2.19	-25.0	-29.16	25.00	Vertical	Vertical	Pass
2564.400	-30.80	2.41	-25.0	-5.80	95.00	Vertical	Vertical	N/A
5382.000	-41.97	9.82	-25.0	-16.97	116.00	Vertical	Vertical	Pass
13304.138	-44.08	10.48	-25.0	-19.08	278.00	Vertical	Vertical	Pass
21624.824	-43.61	14.70	-25.0	-18.61	310.00	Vertical	Vertical	Pass

31 LTE Band 66

31.1 LTE Band 66 BW1.4, Middle Channel

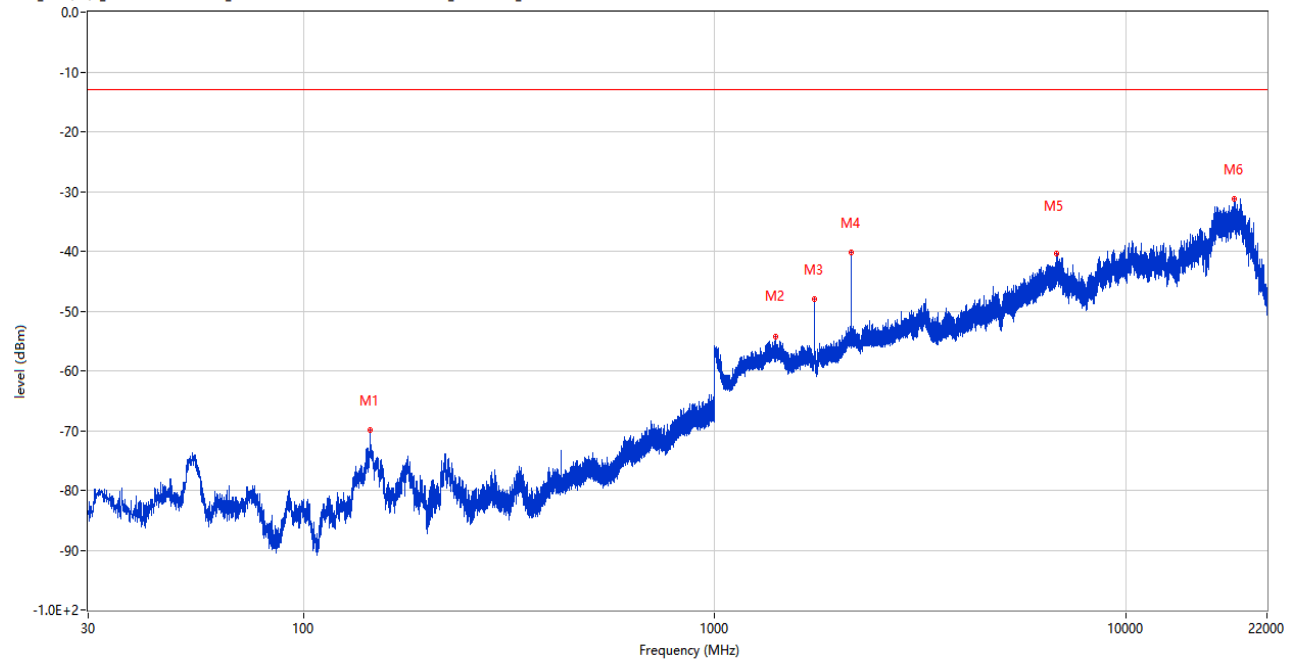
RSE-H&H LTE Band 66 BW1.4 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
178.992	-70.26	-15.02	-13.0	-57.26	360.00	Horizontal	Horizontal	Pass
1383.800	-54.92	-3.40	-13.0	-41.92	58.00	Horizontal	Horizontal	Pass
1744.800	-46.01	-3.49	-13.0	-33.01	360.00	Horizontal	Horizontal	N/A
2145.300	-33.26	-1.10	-13.0	-20.26	233.00	Horizontal	Horizontal	N/A
3236.800	-48.03	6.55	-13.0	-35.03	92.00	Horizontal	Horizontal	Pass
18309.249	-31.11	25.42	-13.0	-18.11	147.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 66 BW1.4 CH132322

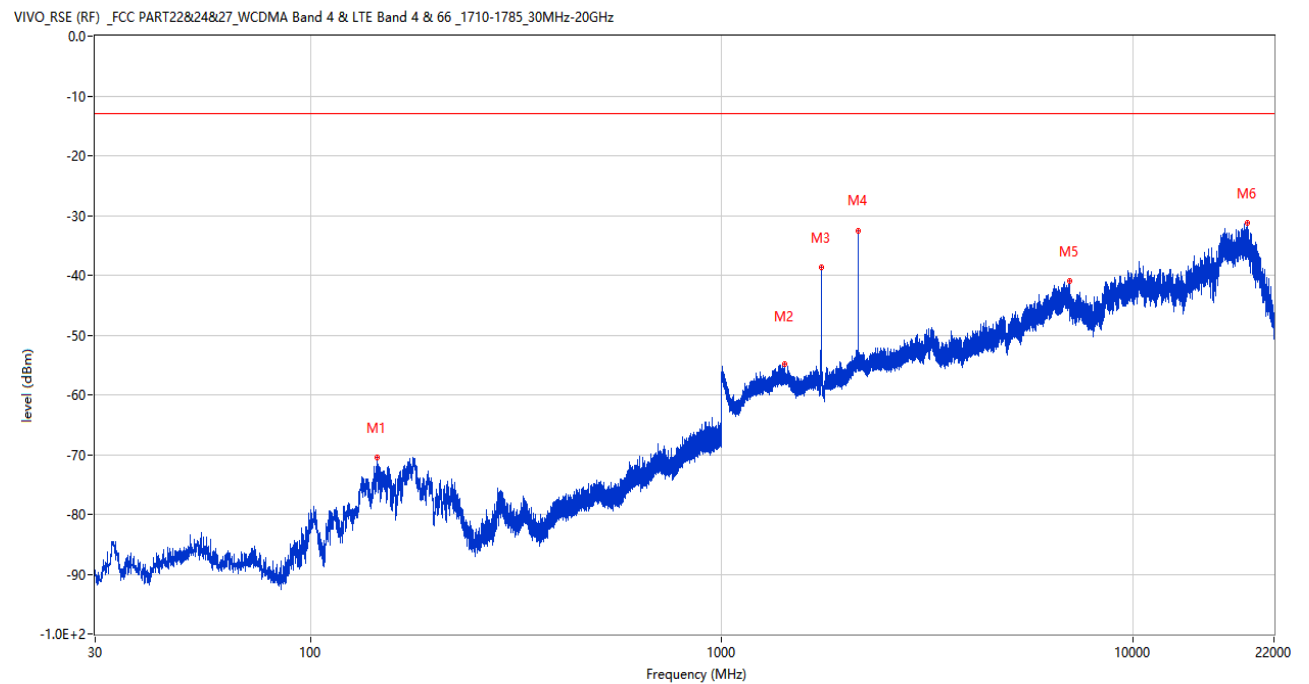
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-69.96	-15.59	-13.0	-56.96	342.00	Vertical	Vertical	Pass
1406.700	-54.35	-3.17	-13.0	-41.35	12.00	Vertical	Vertical	Pass
1744.700	-48.04	-3.49	-13.0	-35.04	109.00	Vertical	Vertical	N/A
2145.100	-40.28	-1.08	-13.0	-27.28	167.00	Vertical	Vertical	N/A
6761.000	-40.46	12.28	-13.0	-27.46	159.00	Vertical	Vertical	Pass
18344.401	-31.25	25.40	-13.0	-18.25	202.00	Vertical	Vertical	Pass

31.2 LTE Band 66 BW3, Middle Channel

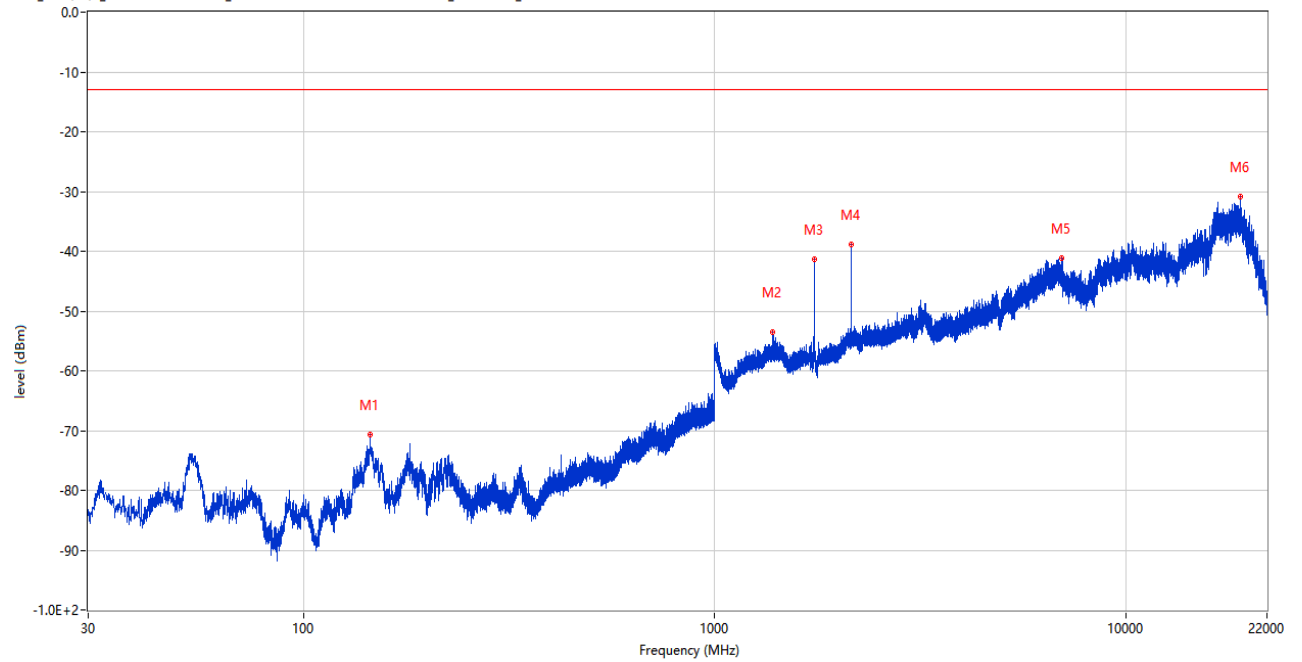
RSE-H&H LTE Band 66 BW3 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-70.47	-15.60	-13.0	-57.47	199.00	Horizontal	Horizontal	Pass
1420.100	-54.95	-3.38	-13.0	-41.95	145.00	Horizontal	Horizontal	Pass
1743.800	-38.66	-3.48	-13.0	-25.66	307.00	Horizontal	Horizontal	N/A
2144.500	-32.50	-1.03	-13.0	-19.50	234.00	Horizontal	Horizontal	N/A
6998.800	-40.88	13.94	-13.0	-27.88	183.00	Horizontal	Horizontal	Pass
18944.262	-31.33	25.07	-13.0	-18.33	7.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 66 BW3 CH132322

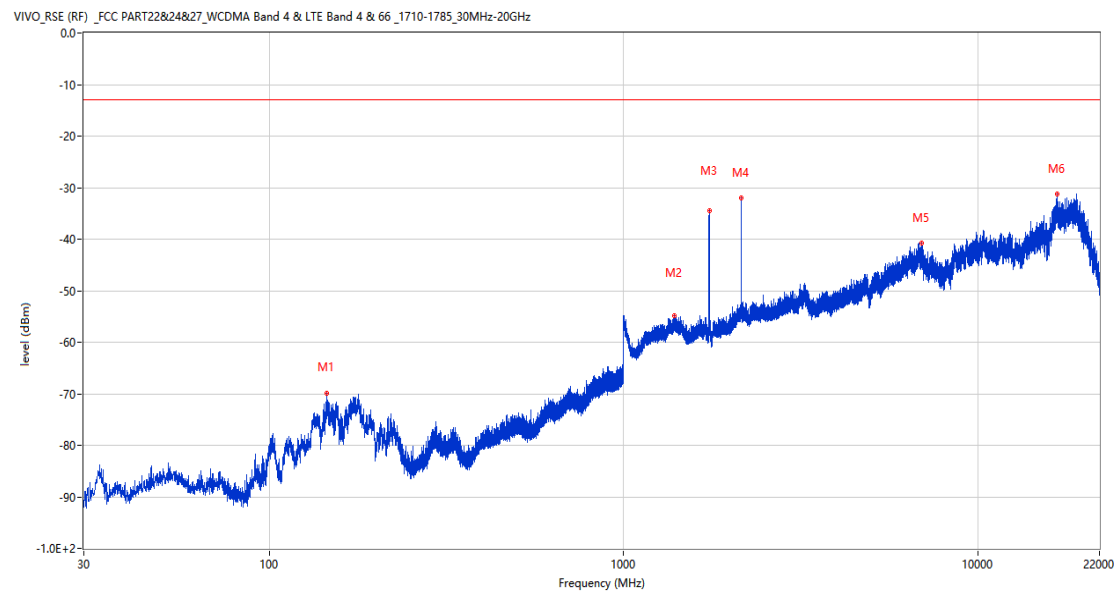
VIVO_RSE (RF) _FCC PART22&24&27_WCDMA Band 4 & LTE Band 4 & 66_1710-1785_30MHz-20GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-70.70	-15.59	-13.0	-57.70	1.00	Vertical	Vertical	Pass
1381.200	-53.49	-3.30	-13.0	-40.49	360.00	Vertical	Vertical	Pass
1744.000	-41.35	-3.48	-13.0	-28.35	121.00	Vertical	Vertical	N/A
2145.400	-38.93	-1.11	-13.0	-25.93	121.00	Vertical	Vertical	N/A
6977.000	-41.17	13.41	-13.0	-28.17	246.00	Vertical	Vertical	Pass
18956.751	-30.85	25.06	-13.0	-17.85	241.00	Vertical	Vertical	Pass

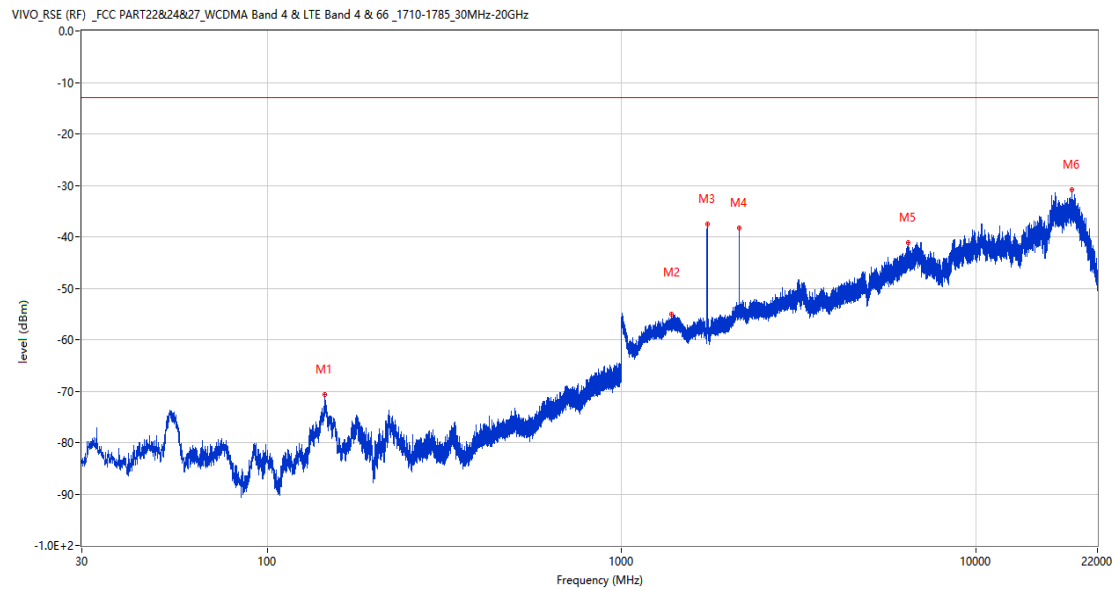
31.3 LTE Band 66 BW5, Middle Channel

RSE-H&H LTE Band 66 BW5 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-69.85	-15.58	-13.0	-56.85	206.00	Horizontal	Horizontal	Pass
1394.400	-54.88	-3.03	-13.0	-41.88	93.00	Horizontal	Horizontal	Pass
1743.100	-34.46	-3.47	-13.0	-21.46	323.00	Horizontal	Horizontal	N/A
2145.700	-31.98	-1.13	-13.0	-18.98	243.00	Horizontal	Horizontal	N/A
6912.800	-40.76	12.26	-13.0	-27.76	310.00	Horizontal	Horizontal	Pass
16696.974	-31.16	26.23	-13.0	-18.16	185.00	Horizontal	Horizontal	Pass

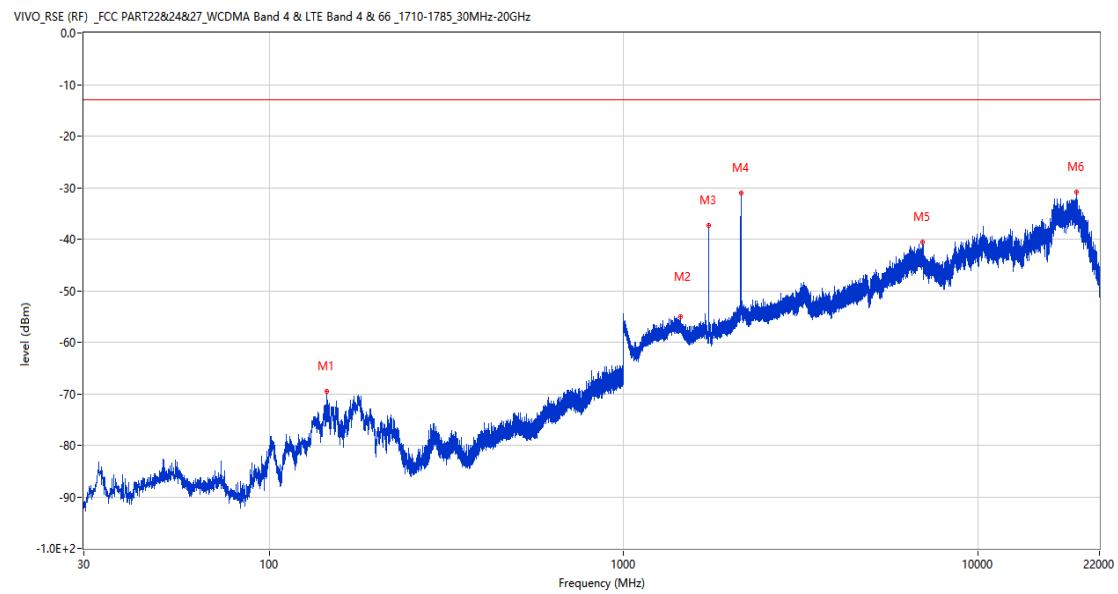
RSE-V&V LTE Band 66 BW5 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-70.67	-15.60	-13.0	-57.67	346.00	Vertical	Vertical	Pass
1385.800	-55.11	-3.22	-13.0	-42.11	342.00	Vertical	Vertical	Pass
1743.000	-37.57	-3.47	-13.0	-24.57	120.00	Vertical	Vertical	N/A
2143.900	-38.35	-1.03	-13.0	-25.35	169.00	Vertical	Vertical	N/A
6431.800	-41.18	11.81	-13.0	-28.18	137.00	Vertical	Vertical	Pass
18603.864	-30.78	25.26	-13.0	-17.78	304.00	Vertical	Vertical	Pass

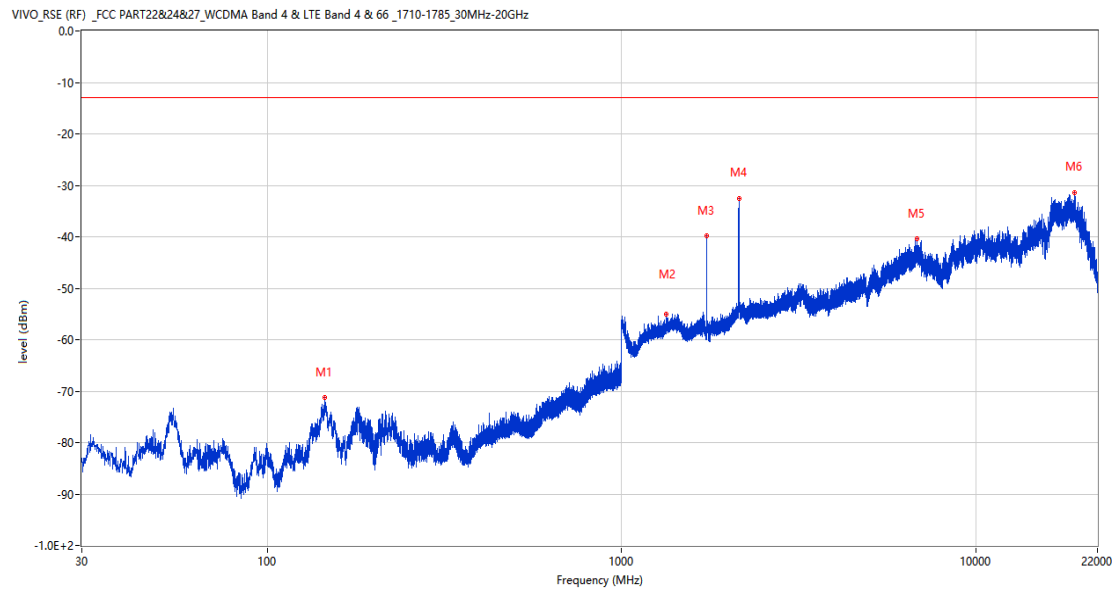
31.4 LTE Band 66 BW10, Middle Channel

RSE-H&H LTE Band 66 BW10 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-69.51	-15.60	-13.0	-56.51	208.00	Horizontal	Horizontal	Pass
1447.000	-55.05	-3.77	-13.0	-42.05	1.00	Horizontal	Horizontal	Pass
1740.900	-37.30	-3.44	-13.0	-24.30	317.00	Horizontal	Horizontal	N/A
2144.500	-31.06	-1.03	-13.0	-18.06	218.00	Horizontal	Horizontal	N/A
6991.800	-40.64	13.92	-13.0	-27.64	134.00	Horizontal	Horizontal	Pass
18919.750	-30.91	25.08	-13.0	-17.91	10.00	Horizontal	Horizontal	Pass

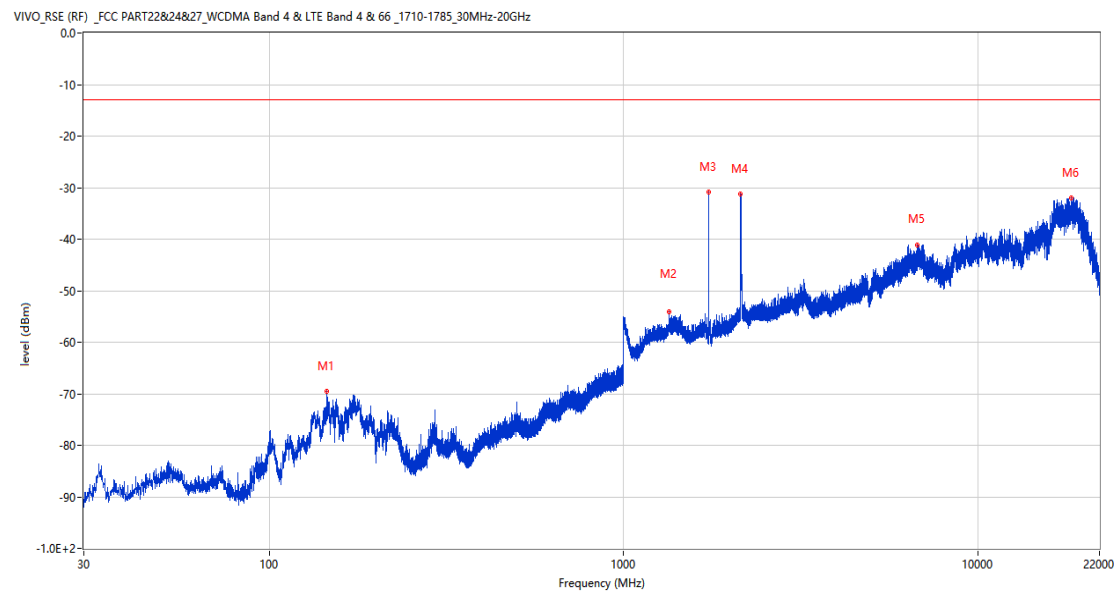
RSE-V&V LTE Band 66 BW10 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.430	-71.21	-15.58	-13.0	-58.21	3.00	Vertical	Vertical	Pass
1337.400	-55.13	-3.78	-13.0	-42.13	62.00	Vertical	Vertical	Pass
1740.800	-39.87	-3.44	-13.0	-26.87	302.00	Vertical	Vertical	N/A
2144.800	-32.48	-1.05	-13.0	-19.48	238.00	Vertical	Vertical	N/A
6813.400	-40.39	13.15	-13.0	-27.39	354.00	Vertical	Vertical	Pass
18962.762	-31.46	25.06	-13.0	-18.46	1.00	Vertical	Vertical	Pass

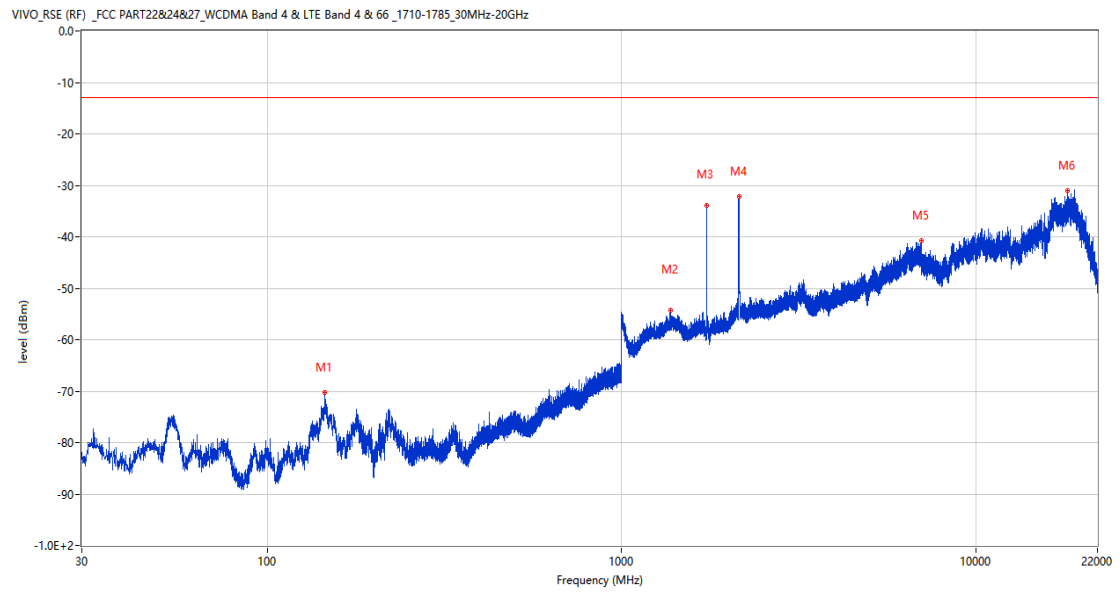
31.5 LTE Band 66 BW15, Middle Channel

RSE-H&H LTE Band 66 BW15 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-69.53	-15.59	-13.0	-56.53	167.00	Horizontal	Horizontal	Pass
1346.800	-54.15	-3.56	-13.0	-41.15	313.00	Horizontal	Horizontal	Pass
1738.500	-30.95	-3.41	-13.0	-17.95	322.00	Horizontal	Horizontal	N/A
2139.400	-31.23	-1.02	-13.0	-18.23	243.00	Horizontal	Horizontal	N/A
6749.000	-41.09	12.12	-13.0	-28.09	353.00	Horizontal	Horizontal	Pass
18356.888	-31.95	25.39	-13.0	-18.95	12.00	Horizontal	Horizontal	Pass

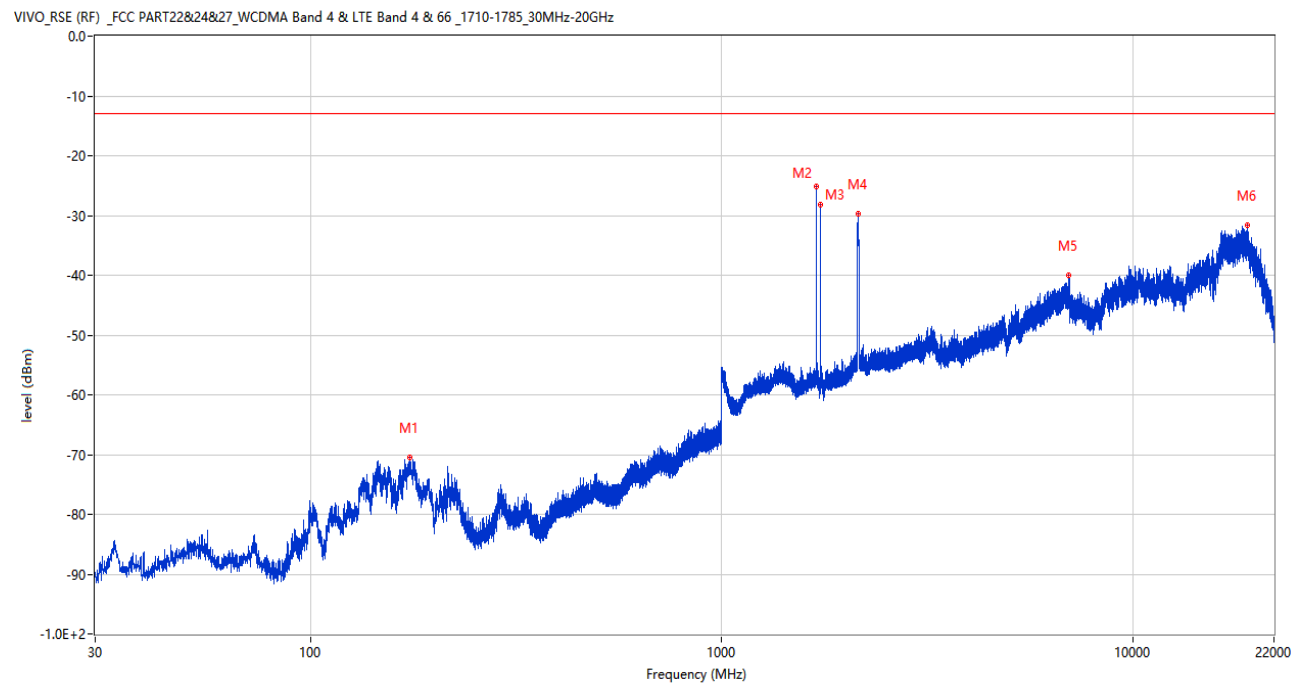
RSE-V&V LTE Band 66 BW15 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.20	-15.59	-13.0	-57.20	318.00	Vertical	Vertical	Pass
1375.600	-54.25	-3.55	-13.0	-41.25	278.00	Vertical	Vertical	Pass
1738.600	-33.90	-3.41	-13.0	-20.90	297.00	Vertical	Vertical	N/A
2147.300	-32.27	-1.15	-13.0	-19.27	230.00	Vertical	Vertical	N/A
6996.200	-40.85	13.84	-13.0	-27.85	353.00	Vertical	Vertical	Pass
18115.463	-30.95	25.53	-13.0	-17.95	228.00	Vertical	Vertical	Pass

31.6 LTE Band 66 BW20, Middle Channel

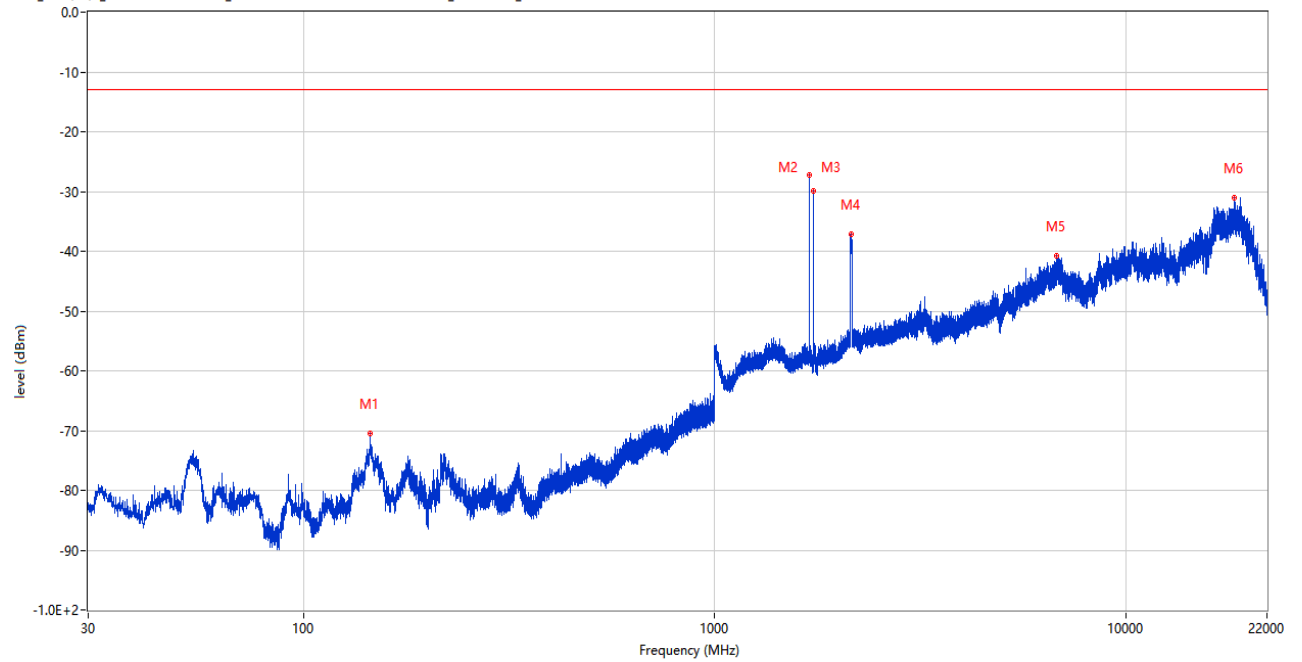
RSE-H&H LTE Band 66 BW20 CH132322



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
174.191	-70.39	-15.28	-13.0	-57.39	156.00	Horizontal	Horizontal	Pass
1700.700	-25.14	-3.55	-13.0	-12.14	80.00	Horizontal	Horizontal	N/A
1736.200	-28.22	-3.38	-13.0	-15.22	330.00	Horizontal	Horizontal	N/A
2147.600	-29.72	-1.13	-13.0	-16.72	247.00	Horizontal	Horizontal	N/A
6991.000	-39.98	13.89	-13.0	-26.98	247.00	Horizontal	Horizontal	Pass
18922.988	-31.66	25.08	-13.0	-18.66	35.00	Horizontal	Horizontal	Pass

RSE-V&V LTE Band 66 BW20 CH132322

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



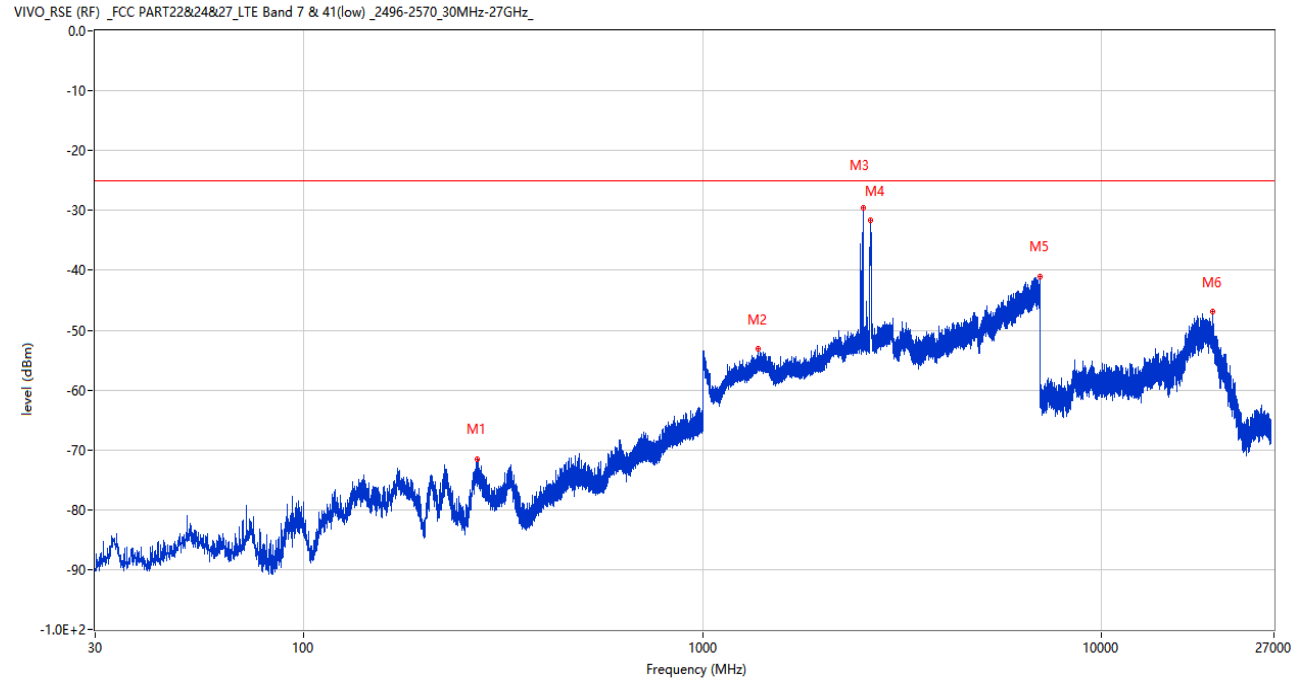
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-70.51	-15.59	-13.0	-57.51	326.00	Vertical	Vertical	Pass
1700.600	-27.21	-3.58	-13.0	-14.21	311.00	Vertical	Vertical	N/A
1736.300	-29.83	-3.38	-13.0	-16.83	311.00	Vertical	Vertical	N/A
2142.300	-37.11	-1.08	-13.0	-24.11	100.00	Vertical	Vertical	N/A
6773.400	-40.72	12.79	-13.0	-27.72	360.00	Vertical	Vertical	Pass
18348.100	-31.03	25.40	-13.0	-18.03	254.00	Vertical	Vertical	Pass

CA

32 CA_7C

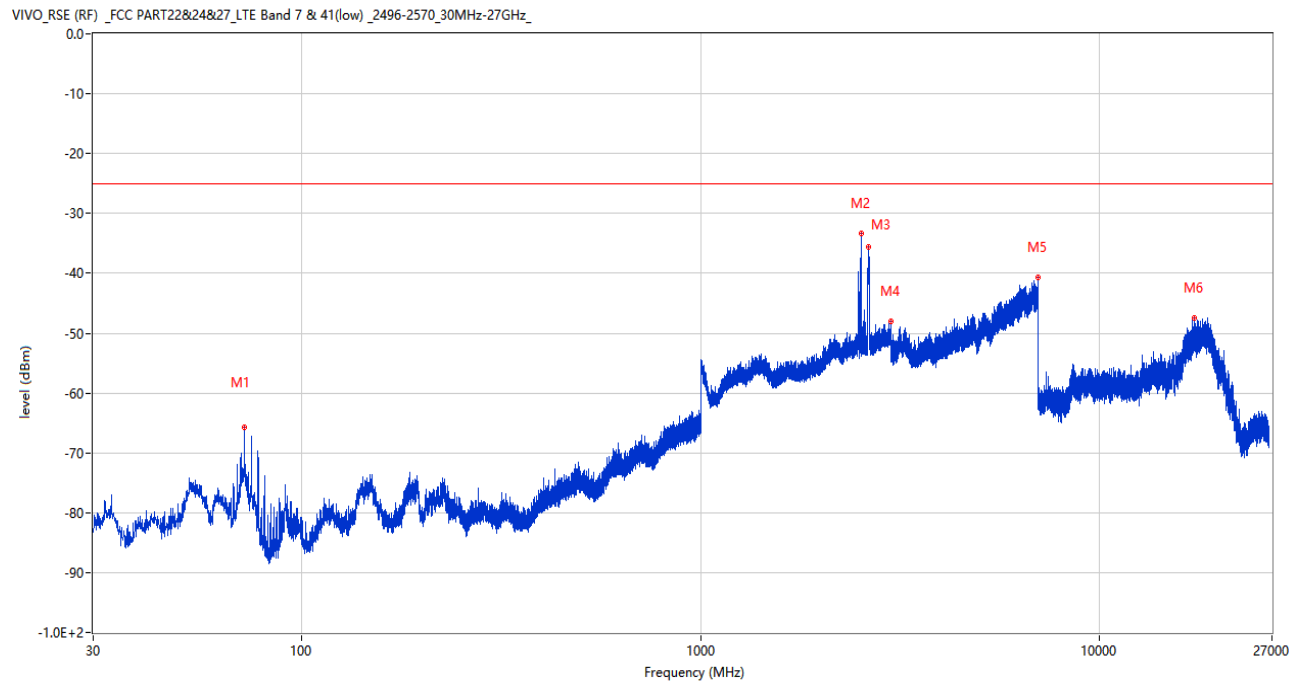
32.1 CA_7C 20MHz+10MHz, QPSK, Low Channel

RSE-H&H PCC 20850 BW20 QPSK RB1 HIGH SCC 20994 BW10 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
272.840	-71.48	-12.63	-25.0	-46.48	317.00	Horizontal	Horizontal	Pass
1337.100	-29.64	3.42	-25.0	-4.64	94.00	Horizontal	Horizontal	Pass
2519.100	-31.62	2.34	-25.0	-6.62	318.00	Horizontal	Horizontal	N/A
2638.900	-41.02	13.92	-25.0	-16.02	145.00	Horizontal	Horizontal	N/A
6609.162	-53.16	3.07	-25.0	-28.16	73.00	Horizontal	Horizontal	Pass
18938.401	-46.81	8.84	-25.0	-21.81	20.00	Horizontal	Horizontal	Pass

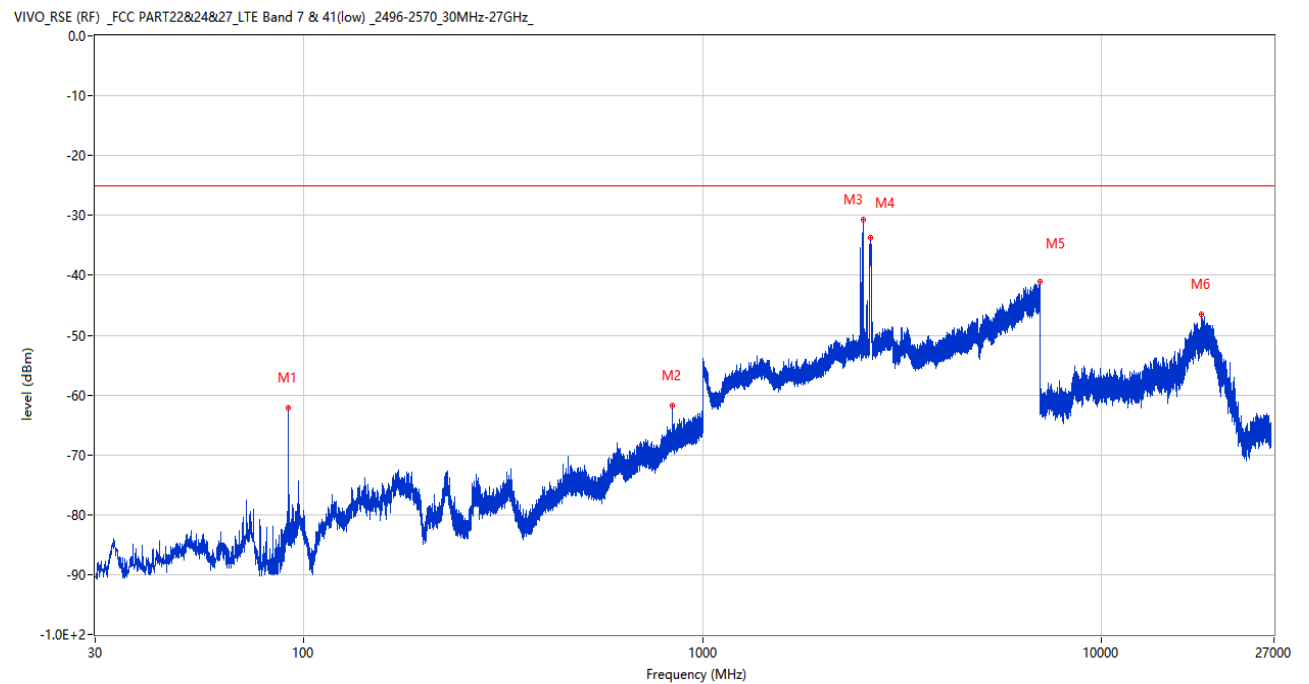
RSE-V&V PCC 20850 BW20 QPSK RB1 HIGH SCC 20994 BW10 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
71.807	-65.65	-16.96	-25.0	-40.65	202.00	Vertical	Vertical	Pass
2519.100	-33.24	3.42	-25.0	-8.24	256.00	Vertical	Vertical	N/A
2638.200	-35.60	2.34	-25.0	-10.60	183.00	Vertical	Vertical	N/A
3000.000	-48.00	5.00	-25.0	-23.00	119.00	Vertical	Vertical	Pass
6992.600	-40.70	13.92	-25.0	-15.70	113.00	Vertical	Vertical	Pass
18634.949	-47.47	9.44	-25.0	-22.47	238.00	Vertical	Vertical	Pass

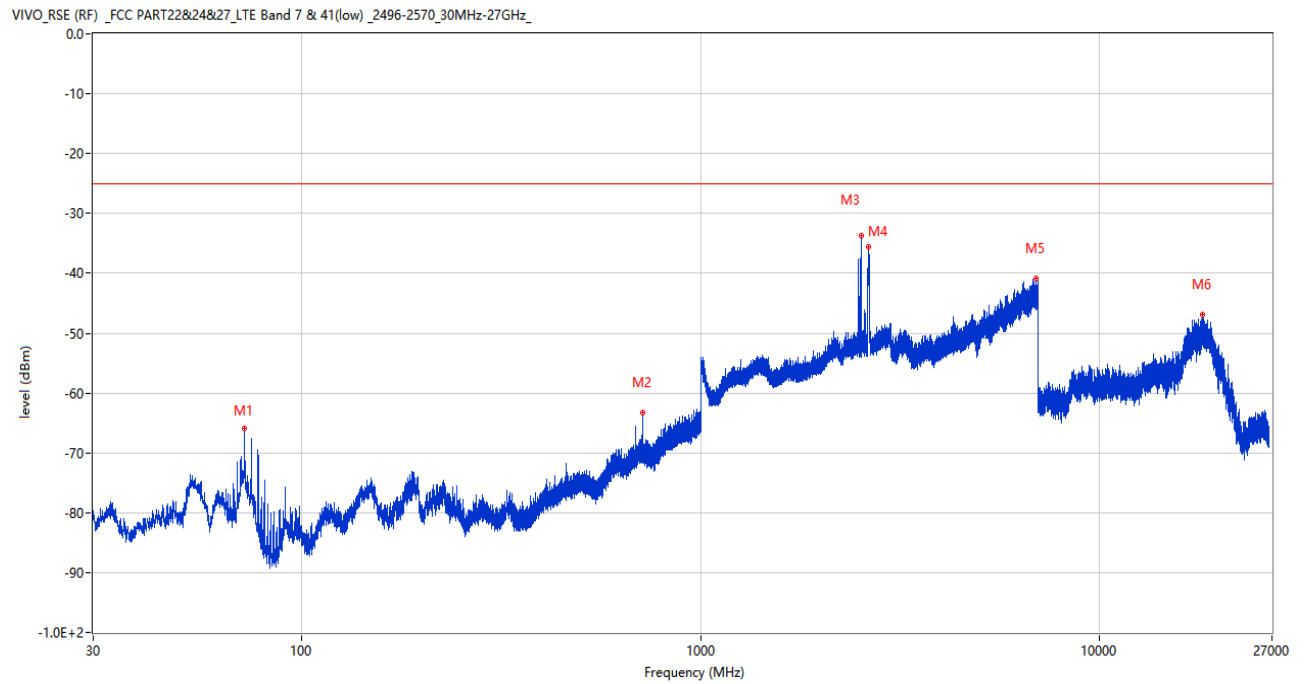
32.2 CA_7C 20MHz+10MHz, 16-QAM, Low Channel

RSE-H&H PCC 20850 BW20 16-QAM RB1 HIGH SCC 20994 BW10 16-QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
91.595	-62.15	-19.67	-25.0	-37.15	358.00	Horizontal	Horizontal	Pass
897.900	-35.48	3.06	-25.0	-10.48	97.00	Horizontal	Horizontal	Pass
2519.100	-30.73	3.42	-25.0	-5.73	97.00	Horizontal	Horizontal	N/A
2636.400	-33.62	2.32	-25.0	-8.62	326.00	Horizontal	Horizontal	N/A
6999.400	-40.99	13.92	-25.0	-15.99	157.00	Horizontal	Horizontal	Pass
17789.739	-46.53	9.54	-25.0	-21.53	60.00	Horizontal	Horizontal	Pass

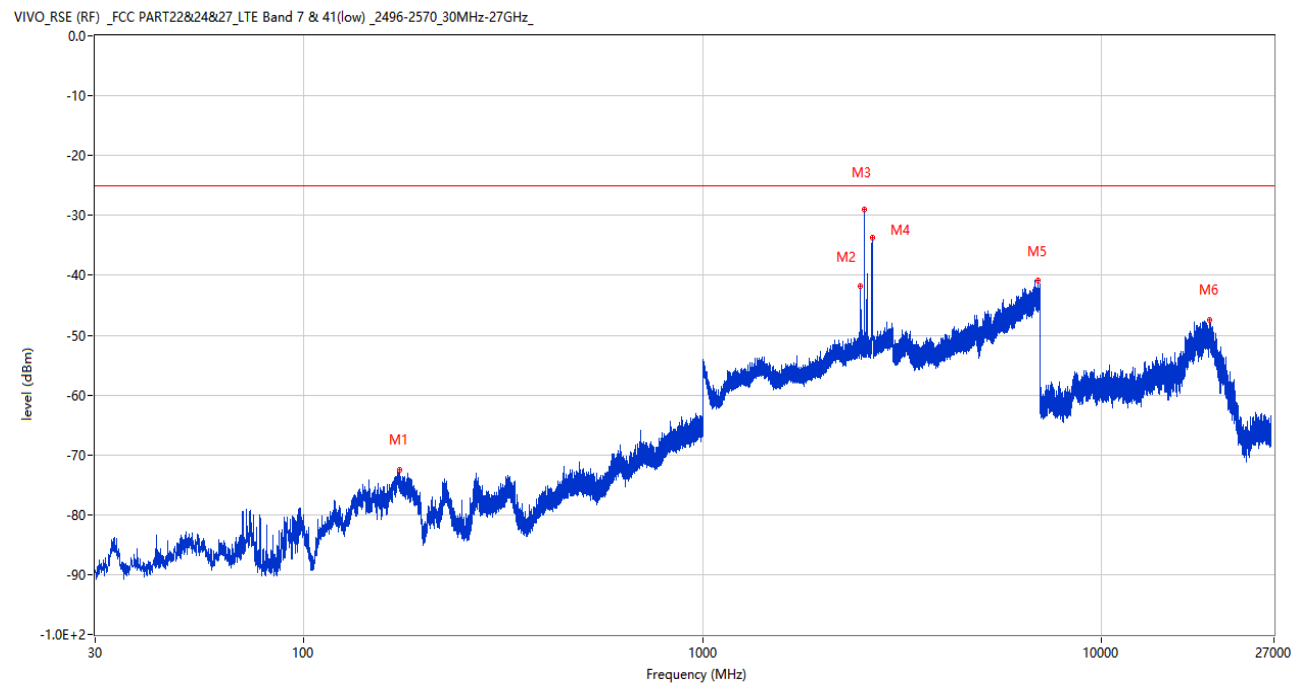
RSE-V&V PCC 20850 BW20 16-QAM RB1 HIGH SCC 20994 BW10 16-QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
71.855	-65.84	-16.98	-25.0	-40.84	221.00	Vertical	Vertical	Pass
715.984	-63.24	0.17	-25.0	-38.24	127.00	Vertical	Vertical	Pass
2486.900	-37.75	3.06	-25.0	-12.75	344.00	Vertical	Vertical	N/A
2519.300	-33.63	3.42	-25.0	-8.63	317.00	Vertical	Vertical	N/A
2637.800	-35.67	2.34	-25.0	-10.67	176.00	Vertical	Vertical	Pass
6924.400	-40.86	12.49	-25.0	-15.86	238.00	Vertical	Vertical	Pass

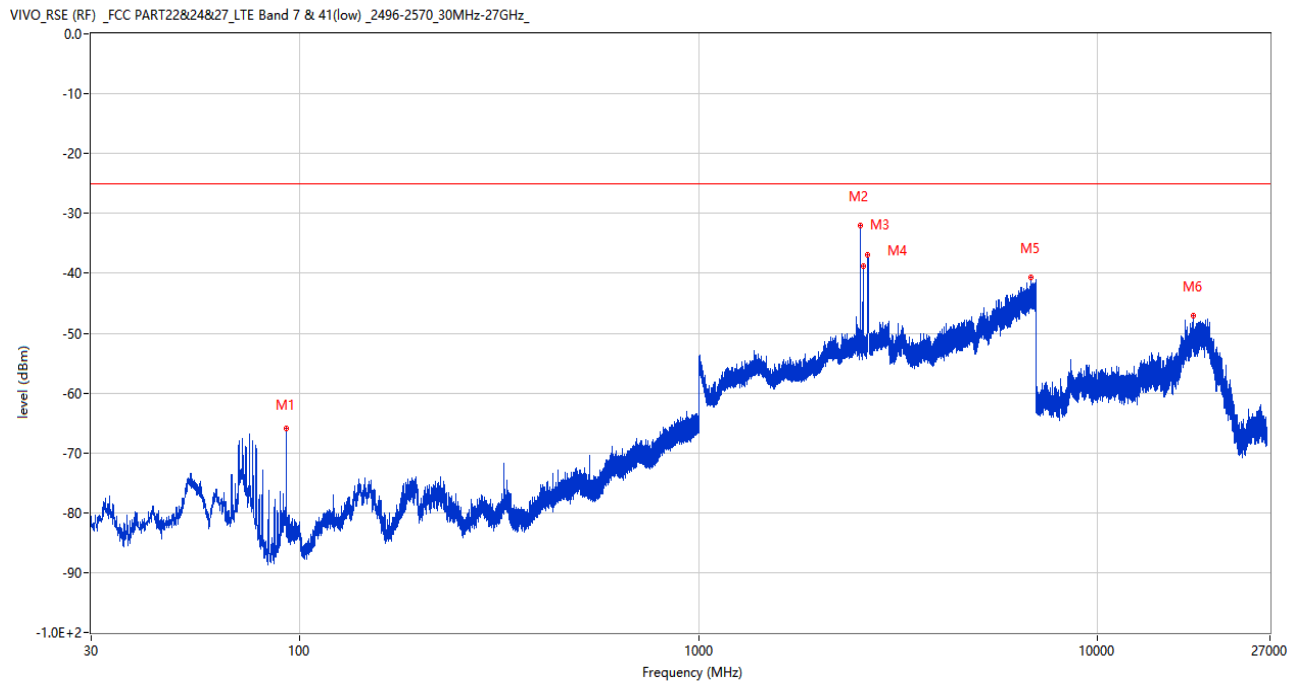
32.3 CA_7C 20MHz+10MHz, QPSK, Middle Channel

RSE-H&H PCC 21051 BW20 QPSK RB1 HIGH SCC 21195 BW10 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
173.997	-72.41	-14.82	-25.0	-47.41	151.00	Horizontal	Horizontal	Pass
2484.500	-41.81	2.81	-25.0	-16.81	101.00	Horizontal	Horizontal	N/A
2539.200	-29.06	3.63	-25.0	-4.06	91.00	Horizontal	Horizontal	N/A
2663.600	-33.74	2.52	-25.0	-8.74	254.00	Horizontal	Horizontal	N/A
6921.200	-40.82	12.39	-25.0	-15.82	165.00	Horizontal	Horizontal	Pass
18623.900	-47.53	9.47	-25.0	-22.53	21.00	Horizontal	Horizontal	Pass

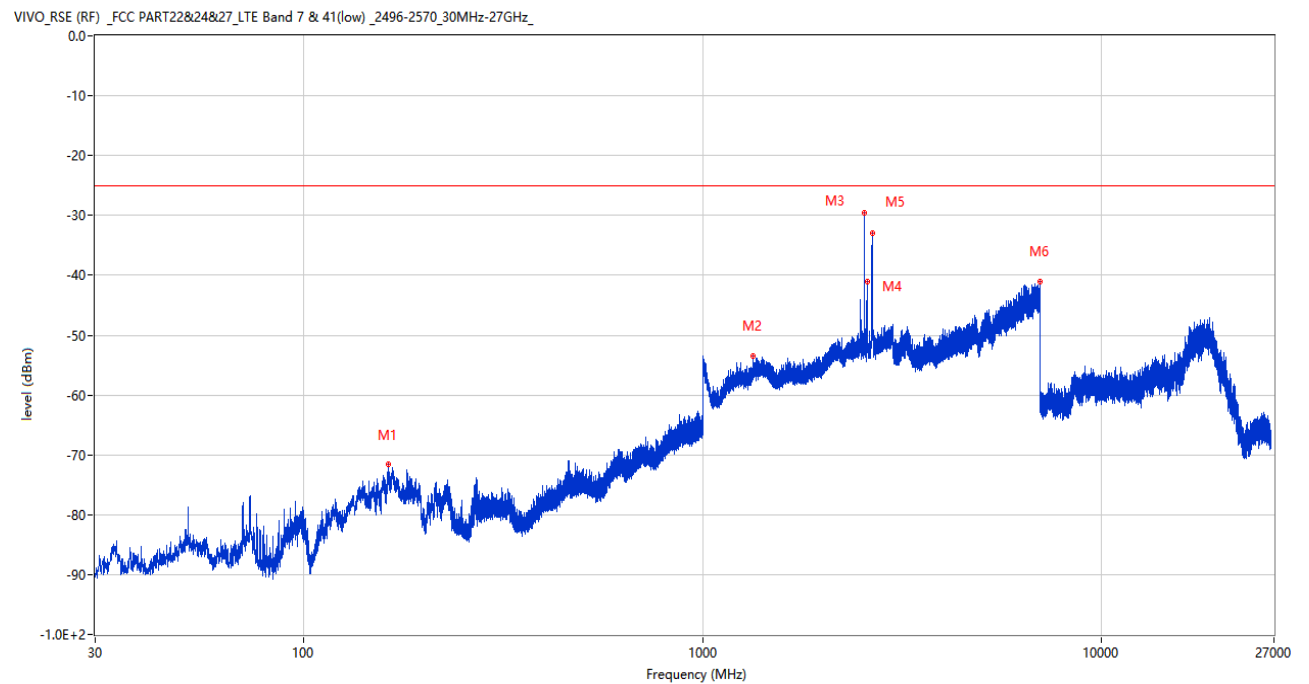
RSE-V&V PCC 21051 BW20 QPSK RB1 HIGH SCC 21195 BW10 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
92.420	-65.99	-19.88	-25.0	-40.99	345.00	Vertical	Vertical	Pass
2539.400	-31.95	3.63	-25.0	-6.95	249.00	Vertical	Vertical	N/A
2578.700	-38.88	3.99	-25.0	-13.88	249.00	Vertical	Vertical	N/A
2653.900	-36.94	2.55	-25.0	-11.94	190.00	Vertical	Vertical	N/A
6803.000	-40.63	13.12	-25.0	-15.63	3.00	Vertical	Vertical	Pass
17363.700	-47.04	10.46	-25.0	-22.04	144.00	Vertical	Vertical	Pass

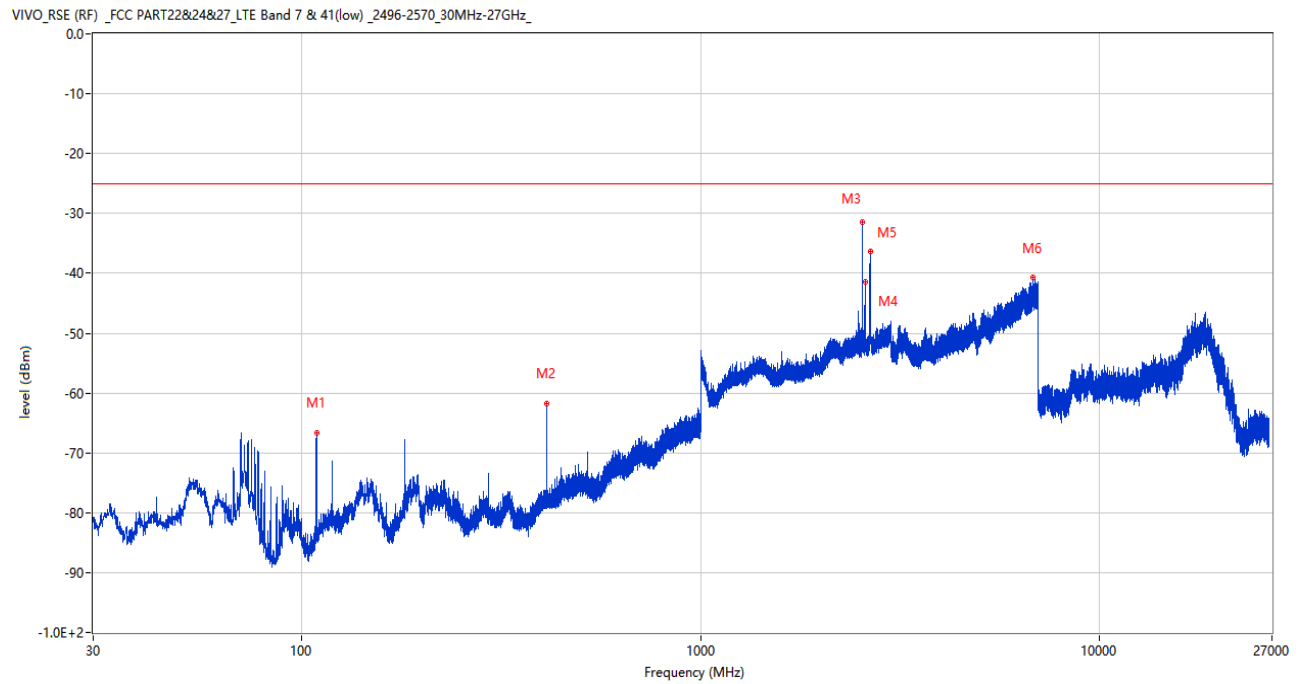
32.4 CA_7C 20MHz+10MHz, 16-QAM, Middle Channel

RSE-H&H PCC 21051 BW20 16-QAM RB1 HIGH SCC 21195 BW10 16-QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
162.696	-71.58	-15.35	-25.0	-46.58	151.00	Horizontal	Horizontal	Pass
1337.100	-53.45	-2.68	-25.0	-28.45	353.00	Horizontal	Horizontal	Pass
2539.100	-29.60	3.63	-25.0	-4.60	105.00	Horizontal	Horizontal	N/A
2578.500	-41.06	4.01	-25.0	-16.06	93.00	Horizontal	Horizontal	N/A
2665.400	-32.95	2.60	-25.0	-7.95	259.00	Horizontal	Horizontal	N/A
6998.800	-41.13	13.94	-25.0	-16.13	189.00	Horizontal	Horizontal	Pass

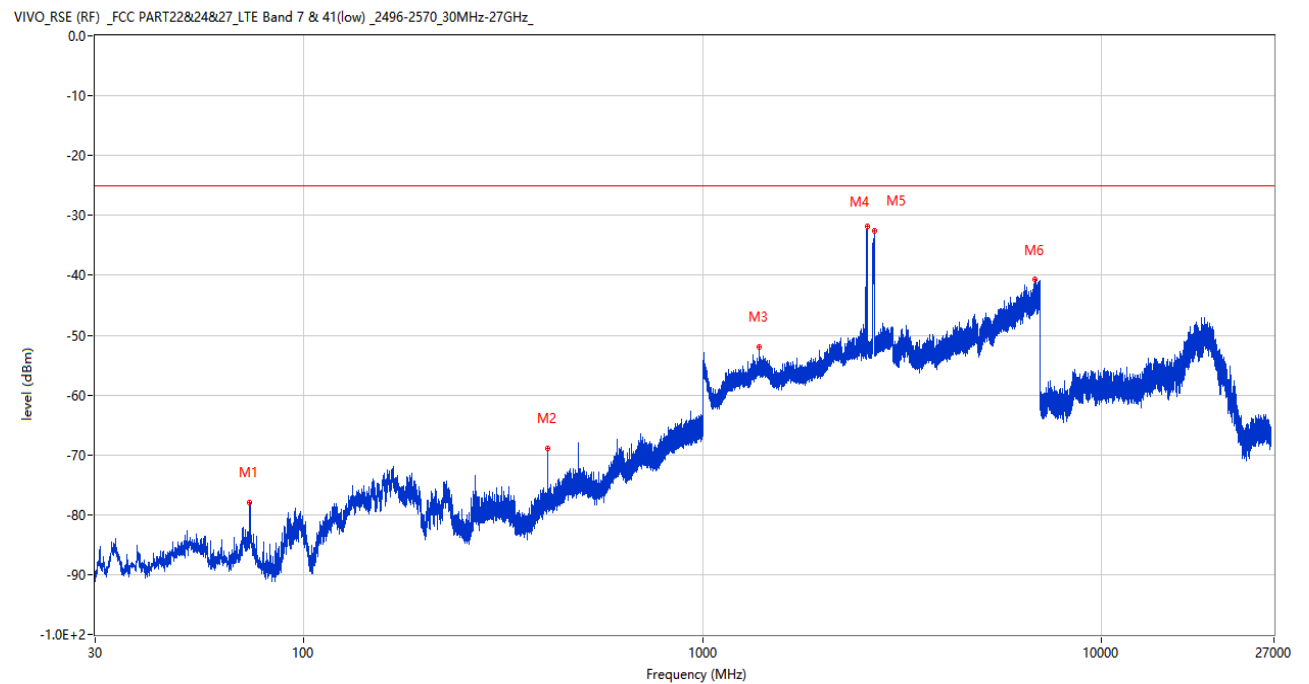
RSE-V&V PCC 21051 BW20 16-QAM RB1 HIGH SCC 21195 BW10 16-QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
108.764	-66.66	-20.24	-25.0	-41.66	193.00	Vertical	Vertical	Pass
410.046	-61.69	-7.74	-25.0	-36.69	193.00	Vertical	Vertical	Pass
2539.100	-31.42	3.63	-25.0	-6.42	257.00	Vertical	Vertical	N/A
2578.400	-41.43	4.02	-25.0	-16.43	244.00	Vertical	Vertical	N/A
2667.300	-36.43	2.90	-25.0	-11.43	183.00	Vertical	Vertical	N/A
6783.000	-40.69	12.75	-25.0	-15.69	135.00	Vertical	Vertical	Pass

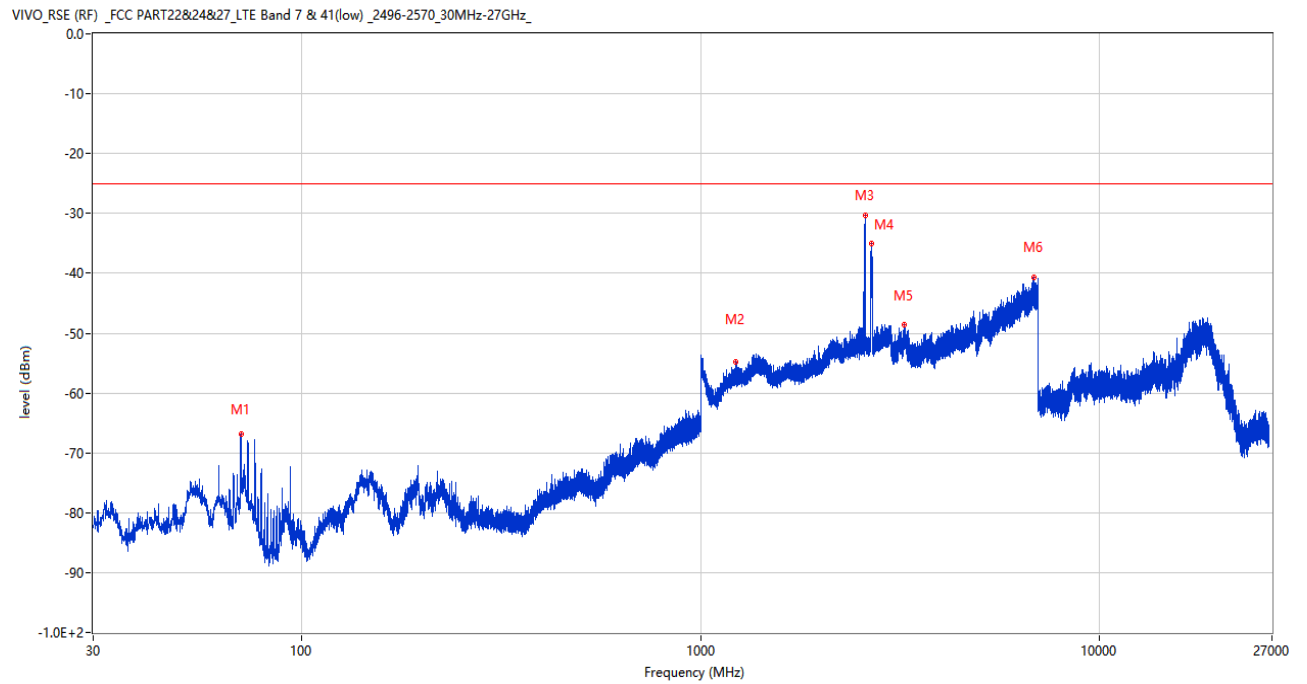
32.5 CA_7C 20MHz+10MHz, QPSK, High Channel

RSE-H&H PCC 21251 BW20 QPSK RB1 HIGH SCC 21395 BW10 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
73.262	-77.97	-17.38	-25.0	-52.97	145.00	Horizontal	Horizontal	Pass
407.863	-68.92	-7.89	-25.0	-43.92	118.00	Horizontal	Horizontal	Pass
1384.700	-51.91	-1.93	-25.0	-26.91	349.00	Horizontal	Horizontal	Pass
2579.000	-31.87	3.95	-25.0	-6.87	97.00	Horizontal	Horizontal	N/A
2687.300	-32.53	3.31	-25.0	-7.53	256.00	Horizontal	Horizontal	N/A
6800.200	-40.75	13.17	-25.0	-15.75	91.00	Horizontal	Horizontal	Pass

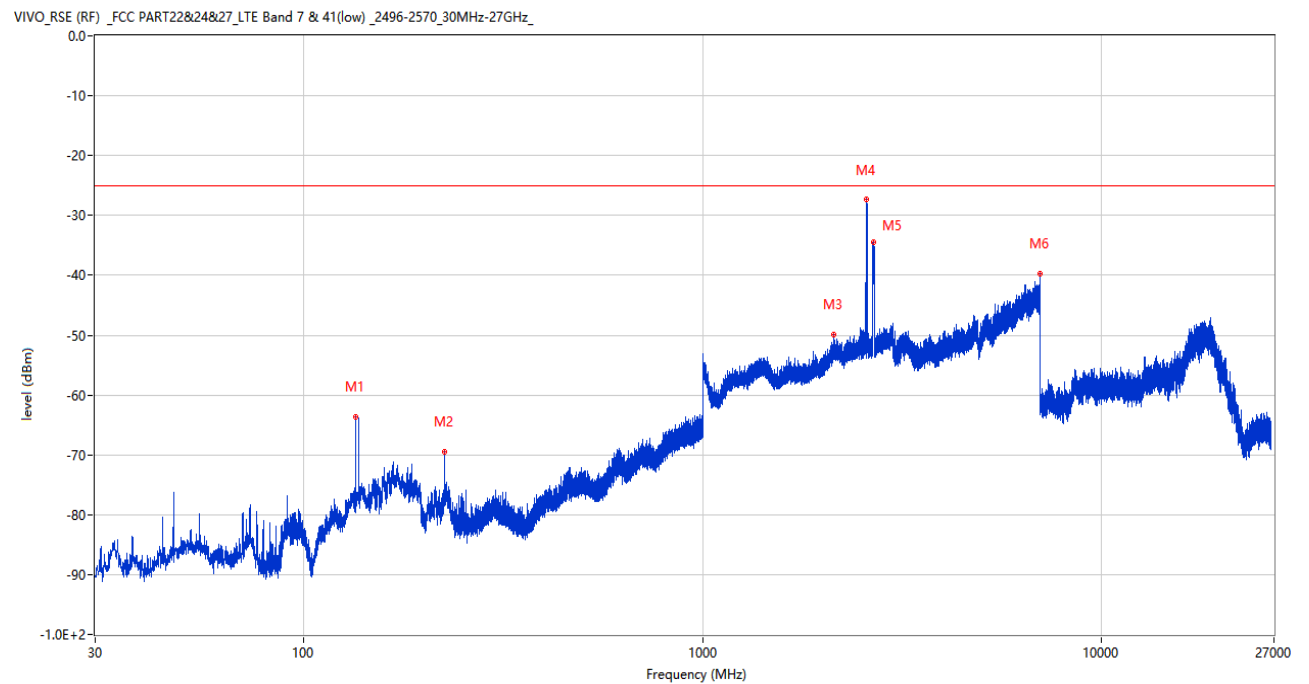
RSE-V&V PCC 21251 BW20 QPSK RB1 HIGH SCC 21395 BW10 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
70.400	-66.77	-16.50	-25.0	-41.77	217.00	Vertical	Vertical	Pass
1220.900	-54.87	-3.47	-25.0	-29.87	185.00	Vertical	Vertical	Pass
2578.500	-30.38	4.01	-25.0	-5.38	311.00	Vertical	Vertical	N/A
2680.800	-35.06	2.94	-25.0	-10.06	131.00	Vertical	Vertical	N/A
3238.000	-48.63	6.43	-25.0	-23.63	157.00	Vertical	Vertical	Pass
6824.400	-40.67	12.93	-25.0	-15.67	128.00	Vertical	Vertical	Pass

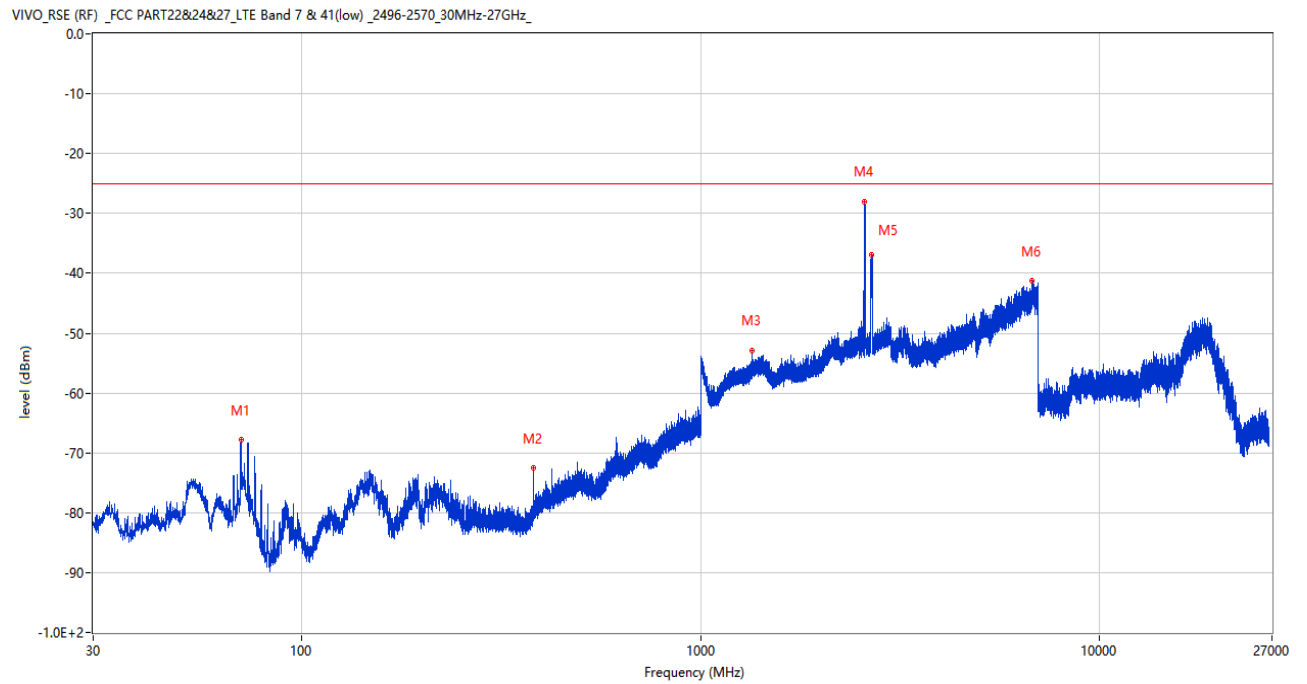
32.6 CA_7C 20MHz+10MHz, 16-QAM, High Channel

RSE-H&H PCC 21251 BW20 16-QAM RB1 HIGH SCC 21395 BW10 16-QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
134.712	-63.67	-16.39	-25.0	-38.67	98.00	Horizontal	Horizontal	Pass
224.921	-69.47	-13.85	-25.0	-44.47	8.00	Horizontal	Horizontal	Pass
2126.600	-49.98	1.17	-25.0	-24.98	360.00	Horizontal	Horizontal	N/A
2576.800	-27.28	4.08	-25.0	-2.28	112.00	Horizontal	Horizontal	N/A
2683.700	-34.39	3.09	-25.0	-9.39	247.00	Horizontal	Horizontal	Pass
6997.800	-39.81	13.96	-25.0	-14.81	184.00	Horizontal	Horizontal	Pass

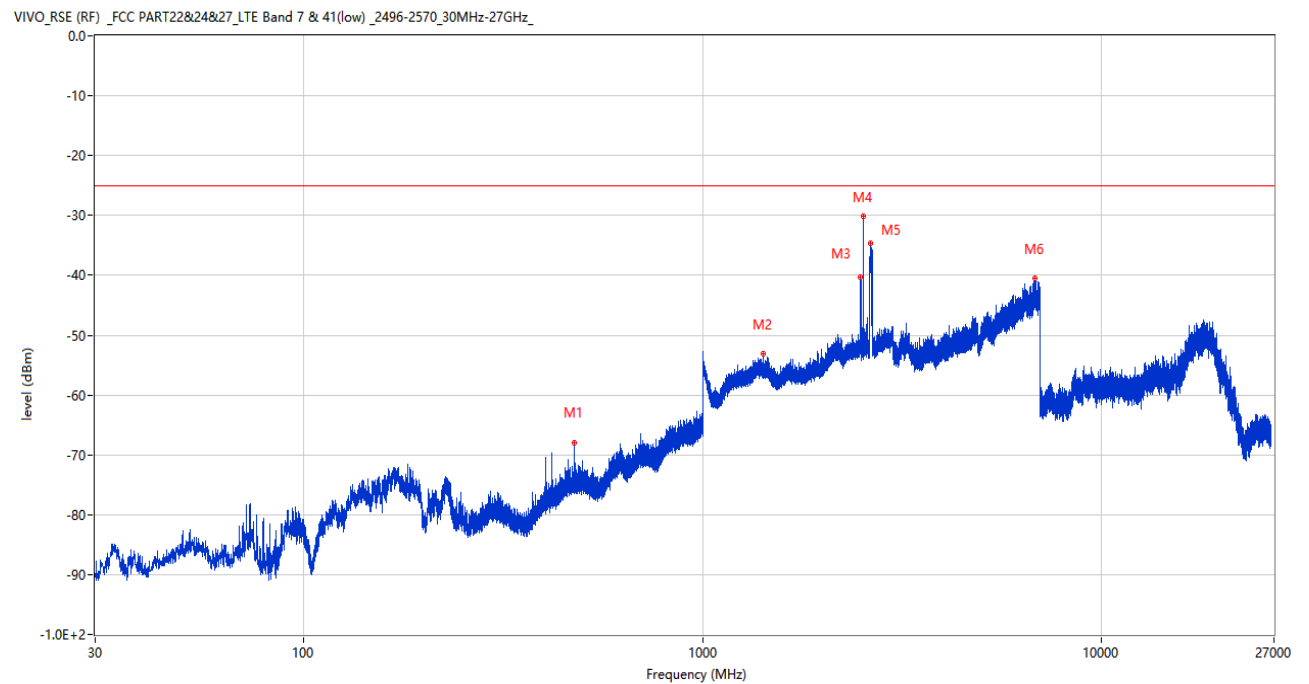
RSE-V&V PCC 21251 BW20 16-QAM RB1 HIGH SCC 21395 BW10 16-QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
70.352	-67.87	-16.49	-25.0	-42.87	295.00	Vertical	Vertical	Pass
379.976	-72.59	-10.46	-25.0	-47.59	8.00	Vertical	Vertical	Pass
1346.700	-52.97	-2.28	-25.0	-27.97	225.00	Vertical	Vertical	N/A
2576.500	-28.13	4.07	-25.0	-3.13	253.00	Vertical	Vertical	N/A
2685.200	-36.83	3.19	-25.0	-11.83	123.00	Vertical	Vertical	Pass
6775.400	-41.25	12.86	-25.0	-16.25	250.00	Vertical	Vertical	Pass

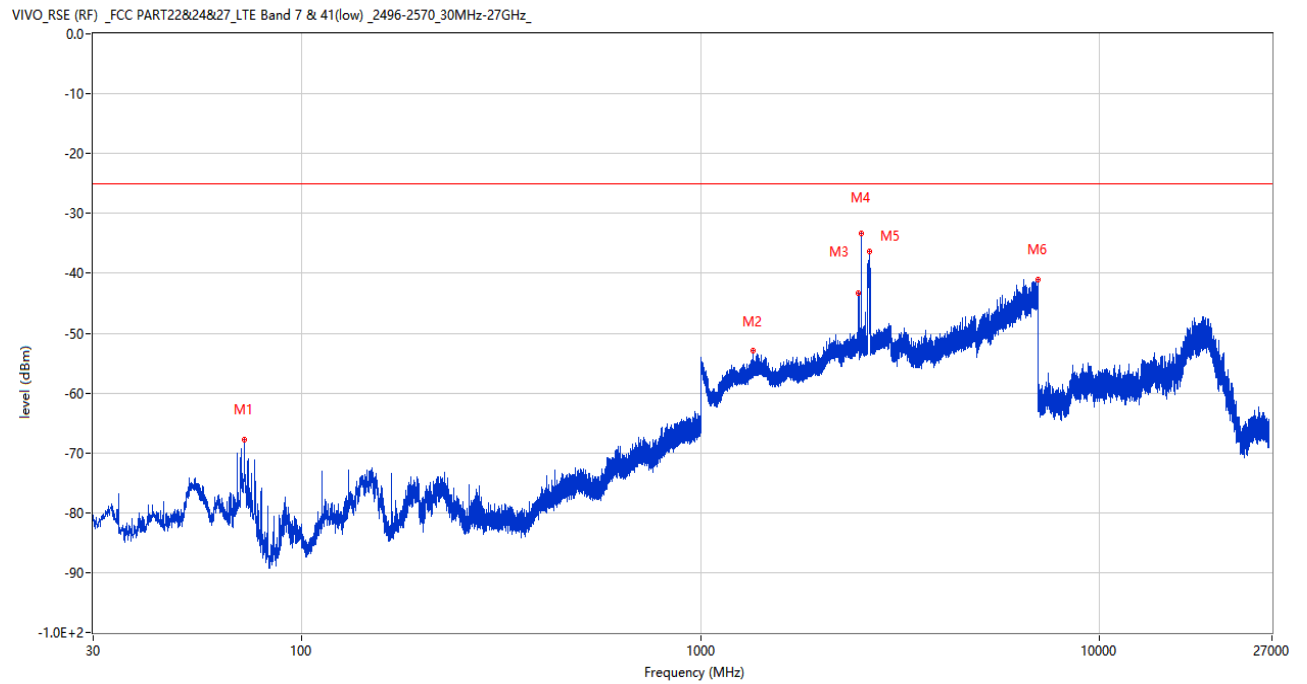
32.7 CA_7C 20MHz+20MHz, QPSK, Low Channel

RSE-H&H PCC 20850 BW20 QPSK RB1 HIGH SCC 21048 BW20 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
477.073	-67.92	-6.49	-25.0	-42.92	104.00	Horizontal	Horizontal	Pass
1418.100	-53.18	-1.84	-25.0	-28.18	145.00	Horizontal	Horizontal	Pass
2481.400	-40.37	2.41	-25.0	-15.37	99.00	Horizontal	Horizontal	N/A
2519.100	-30.16	3.42	-25.0	-5.16	99.00	Horizontal	Horizontal	N/A
2638.000	-34.58	2.34	-25.0	-9.58	251.00	Horizontal	Horizontal	N/A
6809.600	-40.57	13.11	-25.0	-15.57	131.00	Horizontal	Horizontal	Pass

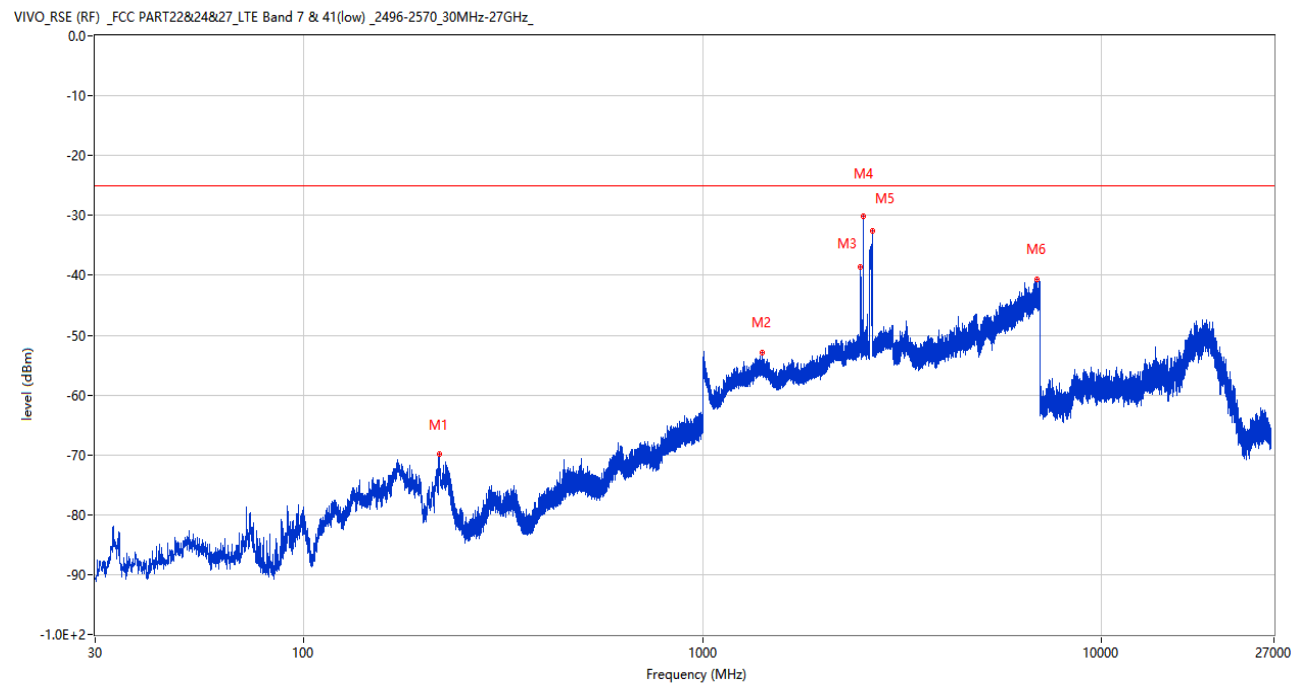
RSE-V&V PCC 20850 BW20 QPSK RB1 HIGH SCC 21048 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
71.807	-67.74	-16.96	-25.0	-42.74	287.00	Vertical	Vertical	Pass
1352.100	-52.91	-2.19	-25.0	-27.91	73.00	Vertical	Vertical	Pass
2481.300	-43.41	2.40	-25.0	-18.41	186.00	Vertical	Vertical	N/A
2519.000	-33.34	3.42	-25.0	-8.34	233.00	Vertical	Vertical	N/A
2643.400	-36.44	2.50	-25.0	-11.44	186.00	Vertical	Vertical	N/A
6992.200	-41.11	13.92	-25.0	-16.11	57.00	Vertical	Vertical	Pass

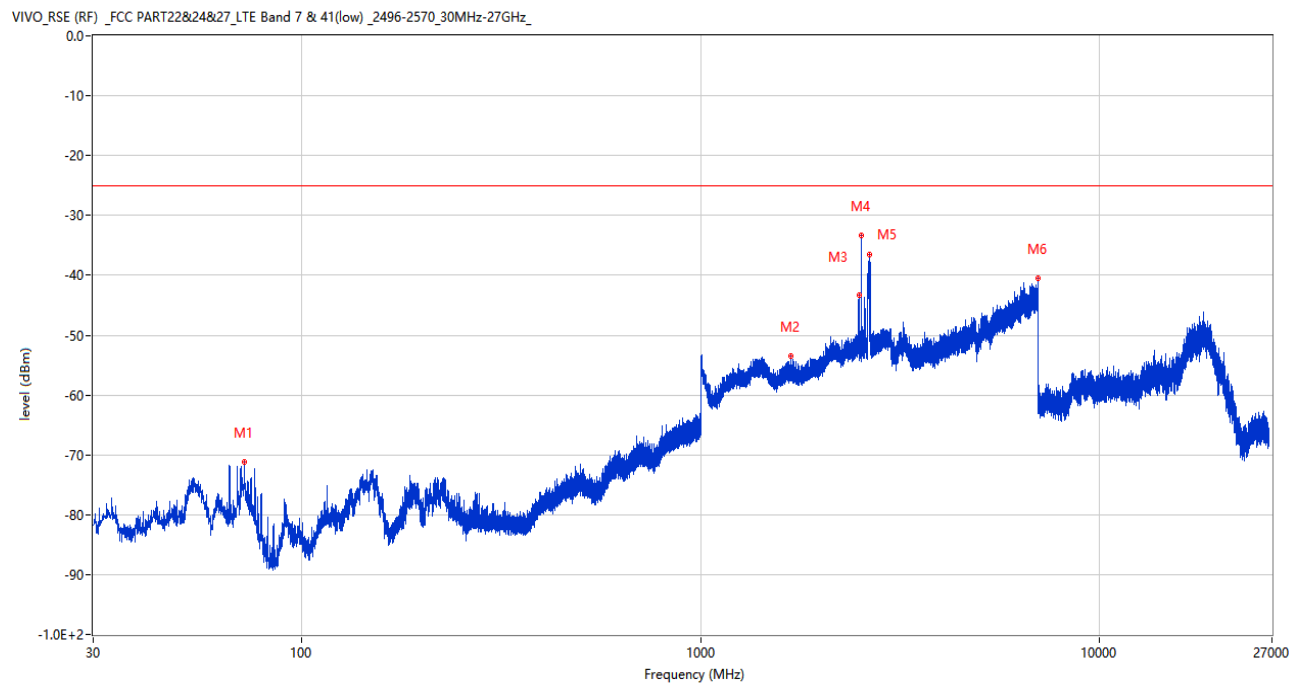
32.8 CA_7C 20MHz+20MHz, 16-QAM, Low Channel

RSE-H&H PCC 20850 BW20 16QAM RB1 HIGH SCC 21048 BW20 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
218.180	-69.94	-14.62	-25.0	-44.94	175.00	Horizontal	Horizontal	Pass
1411.400	-52.98	-1.88	-25.0	-27.98	95.00	Horizontal	Horizontal	Pass
2481.400	-38.67	2.41	-25.0	-13.67	95.00	Horizontal	Horizontal	N/A
2519.000	-30.19	3.42	-25.0	-5.19	95.00	Horizontal	Horizontal	N/A
2656.400	-32.64	2.54	-25.0	-7.64	334.00	Horizontal	Horizontal	N/A
6887.800	-40.71	12.22	-25.0	-15.71	316.00	Horizontal	Horizontal	Pass

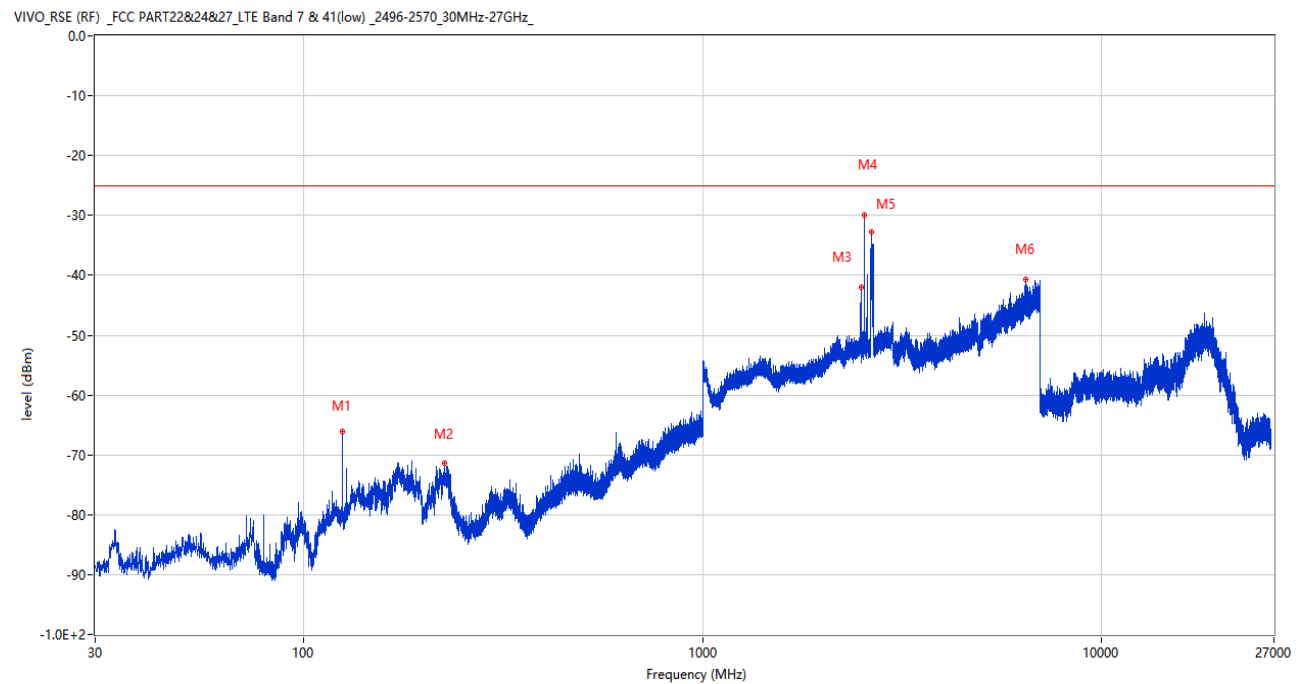
RSE-V&V PCC 20850 BW20 16QAM RB1 HIGH SCC 21048 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
71.807	-71.16	-16.96	-25.0	-46.16	58.00	Vertical	Vertical	Pass
1681.800	-53.55	-2.95	-25.0	-28.55	360.00	Vertical	Vertical	Pass
2488.500	-43.29	3.08	-25.0	-18.29	164.00	Vertical	Vertical	N/A
2519.000	-33.32	3.42	-25.0	-8.32	243.00	Vertical	Vertical	N/A
2644.600	-36.54	2.58	-25.0	-11.54	178.00	Vertical	Vertical	N/A
6995.600	-40.56	13.79	-25.0	-15.56	184.00	Vertical	Vertical	Pass

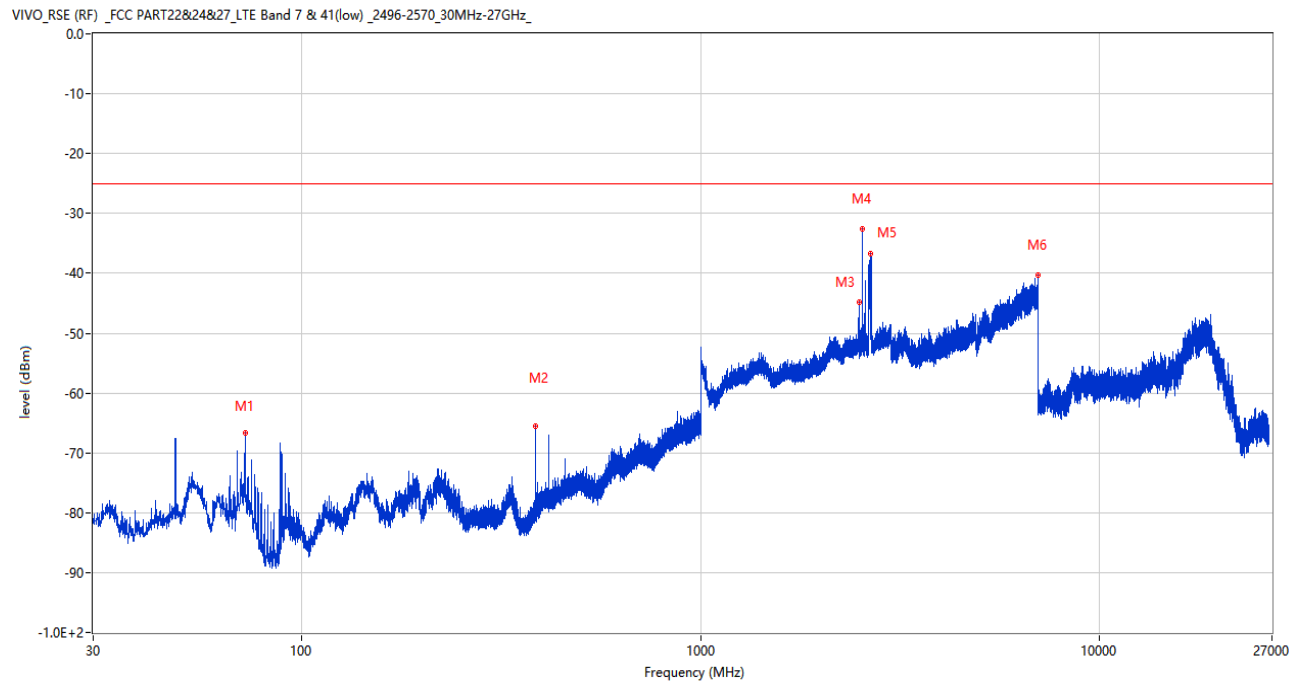
32.9 CA_7C 20MHz+20MHz, QPSK, Middle Channel

RSE-H&H PCC 21001 BW20 QPSK RB1 HIGH SCC 21199 BW20 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
124.866	-66.11	-18.09	-25.0	-41.11	98.00	Horizontal	Horizontal	Pass
225.697	-71.40	-13.77	-25.0	-46.40	21.00	Horizontal	Horizontal	Pass
2489.500	-41.97	3.09	-25.0	-16.97	91.00	Horizontal	Horizontal	N/A
2534.200	-29.99	3.58	-25.0	-4.99	91.00	Horizontal	Horizontal	N/A
2647.800	-32.84	2.70	-25.0	-7.84	261.00	Horizontal	Horizontal	N/A
6446.400	-40.64	12.58	-25.0	-15.64	261.00	Horizontal	Horizontal	Pass

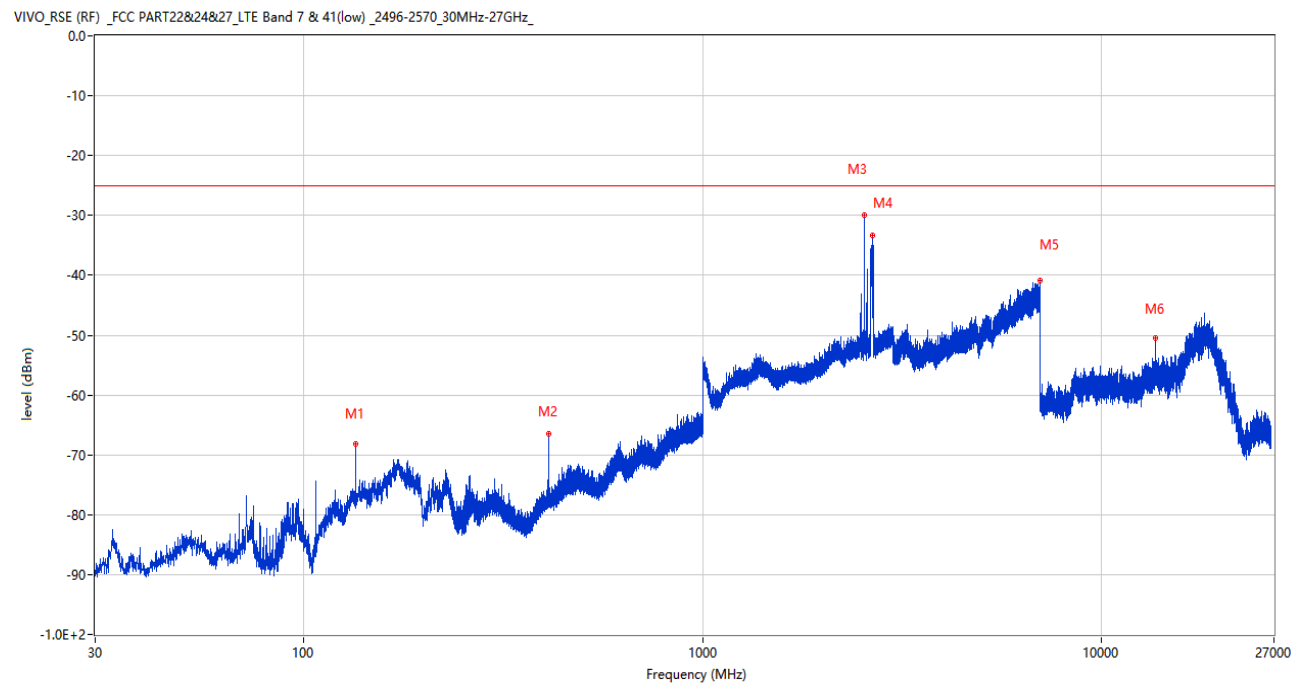
RSE-V&V PCC 21001 BW20 QPSK RB1 HIGH SCC 21199 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
72.340	-66.72	-17.14	-25.0	-41.72	10.00	Vertical	Vertical	Pass
385.117	-65.61	-9.83	-25.0	-40.61	333.00	Vertical	Vertical	Pass
2489.800	-44.91	3.10	-25.0	-19.91	261.00	Vertical	Vertical	N/A
2534.100	-32.67	3.57	-25.0	-7.67	261.00	Vertical	Vertical	N/A
2667.600	-36.74	2.90	-25.0	-11.74	190.00	Vertical	Vertical	N/A
6998.800	-40.27	13.94	-25.0	-15.27	360.00	Vertical	Vertical	Pass

32.10 CA_7C 20MHz+20MHz, 16-QAM, Middle Channel

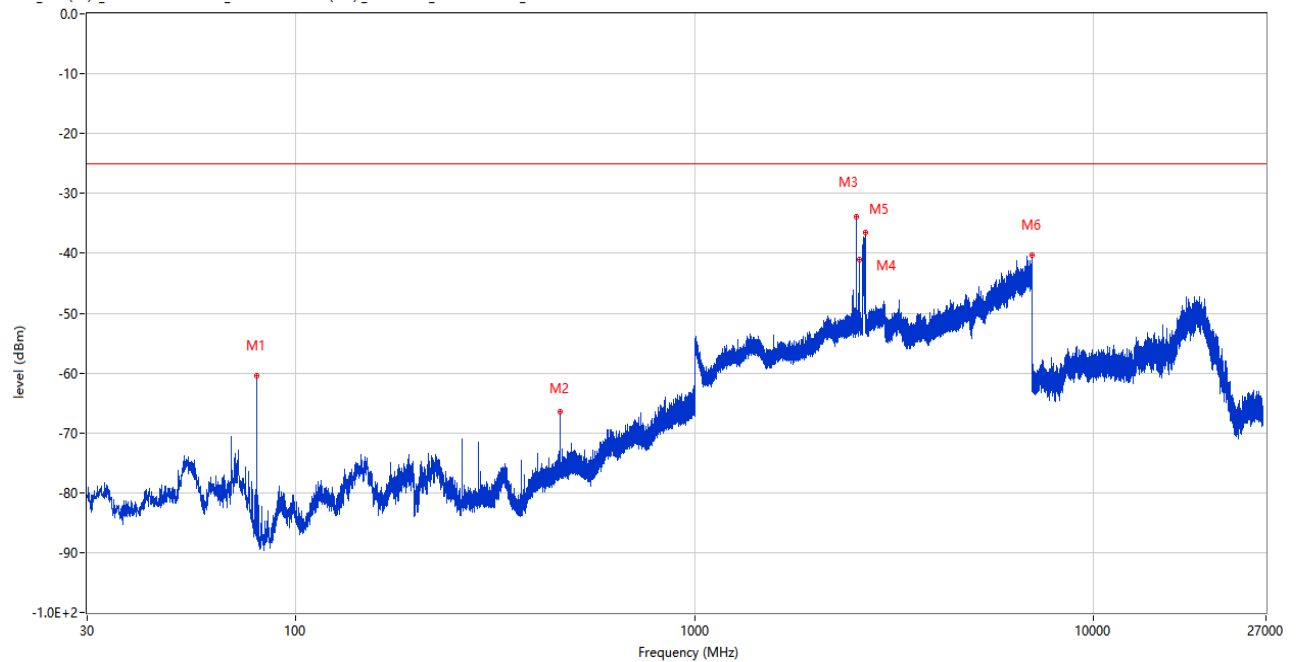
RSE-H&H PCC 21001 BW20 16QAM RB1 HIGH SCC 21199 BW20 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
135.051	-68.17	-16.33	-25.0	-43.17	102.00	Horizontal	Horizontal	Pass
409.803	-66.46	-7.76	-25.0	-41.46	102.00	Horizontal	Horizontal	Pass
2534.200	-29.93	3.58	-25.0	-4.93	88.00	Horizontal	Horizontal	N/A
2668.500	-33.41	2.91	-25.0	-8.41	257.00	Horizontal	Horizontal	N/A
7000.000	-40.87	13.90	-25.0	-15.87	360.00	Horizontal	Horizontal	Pass
13641.975	-50.56	3.15	-25.0	-25.56	195.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 21001 BW20 16QAM RB1 HIGH SCC 21199 BW20 16QAM RB1 LOW

VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 7 & 41(low) _2496-2570_30MHz-27GHz_



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
79.907	-60.46	-18.98	-25.0	-35.46	4.00	Vertical	Vertical	Pass
460.195	-66.56	-6.43	-25.0	-41.56	276.00	Vertical	Vertical	Pass
2534.200	-33.97	3.58	-25.0	-8.97	231.00	Vertical	Vertical	N/A
2578.800	-41.13	3.98	-25.0	-16.13	231.00	Vertical	Vertical	N/A
2672.700	-36.63	2.99	-25.0	-11.63	103.00	Vertical	Vertical	N/A
6989.000	-40.37	13.74	-25.0	-15.37	182.00	Vertical	Vertical	Pass

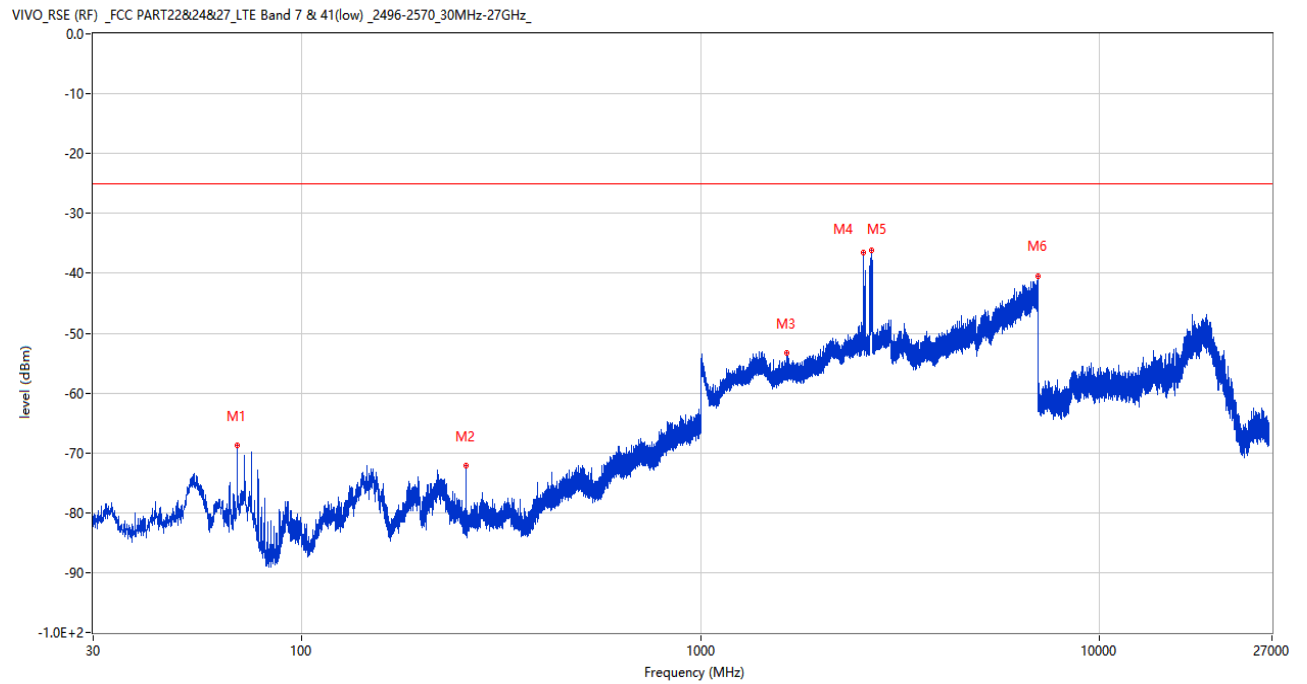
32.11 CA_7C 20MHz+20MHz, QPSK, High Channel

RSE-H&H PCC 21152 BW20 QPSK RB1 HIGH SCC 21350 BW20 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
94.456	-62.48	-20.24	-25.0	-37.48	100.00	Horizontal	Horizontal	Pass
142.035	-67.26	-15.54	-25.0	-42.26	100.00	Horizontal	Horizontal	Pass
2485.300	-46.54	2.91	-25.0	-21.54	89.00	Horizontal	Horizontal	Pass
2551.200	-33.76	3.75	-25.0	-8.76	89.00	Horizontal	Horizontal	N/A
2662.100	-32.62	2.50	-25.0	-7.62	262.00	Horizontal	Horizontal	N/A
6772.000	-40.56	12.72	-25.0	-15.56	0.00	Horizontal	Horizontal	Pass

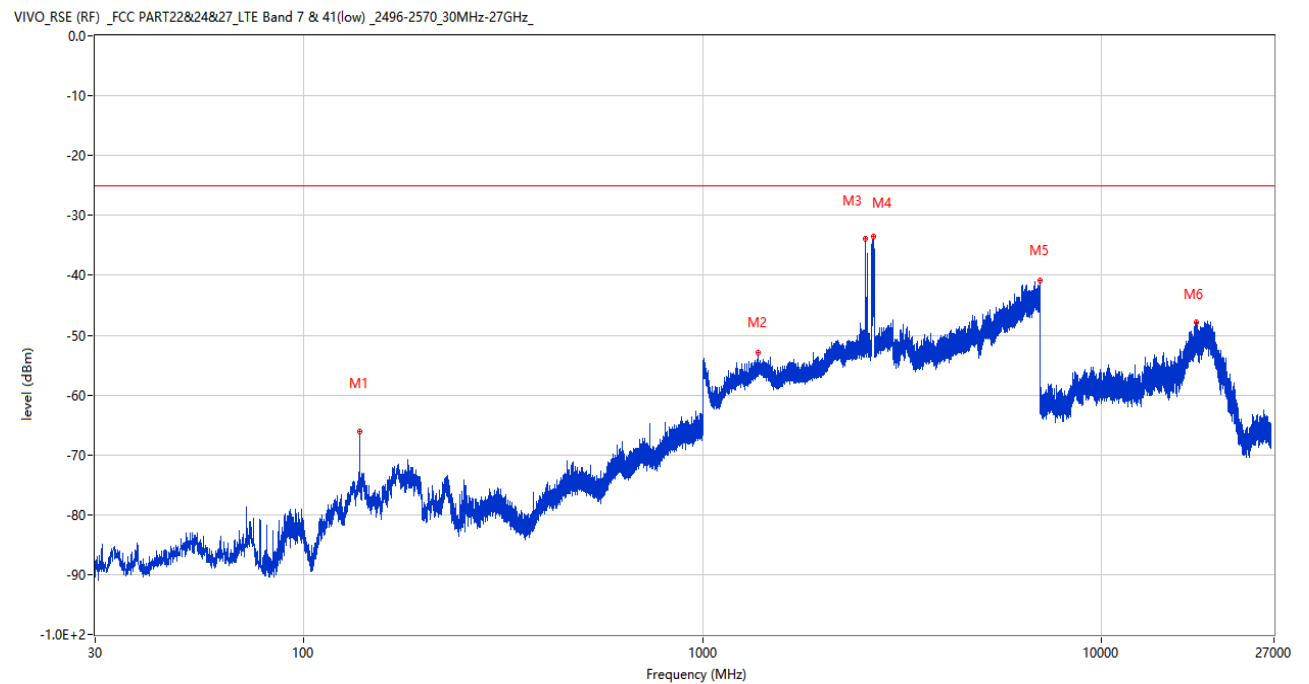
RSE-V&V PCC 21152 BW20 QPSK RB1 HIGH SCC 21350 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
68.897	-68.66	-16.45	-25.0	-43.66	172.00	Vertical	Vertical	Pass
257.319	-72.22	-14.09	-25.0	-47.22	74.00	Vertical	Vertical	Pass
1641.700	-53.33	-2.72	-25.0	-28.33	353.00	Vertical	Vertical	Pass
2551.200	-36.55	3.75	-25.0	-11.55	249.00	Vertical	Vertical	N/A
2680.300	-36.16	2.94	-25.0	-11.16	130.00	Vertical	Vertical	N/A
6991.400	-40.55	13.92	-25.0	-15.55	168.00	Vertical	Vertical	Pass

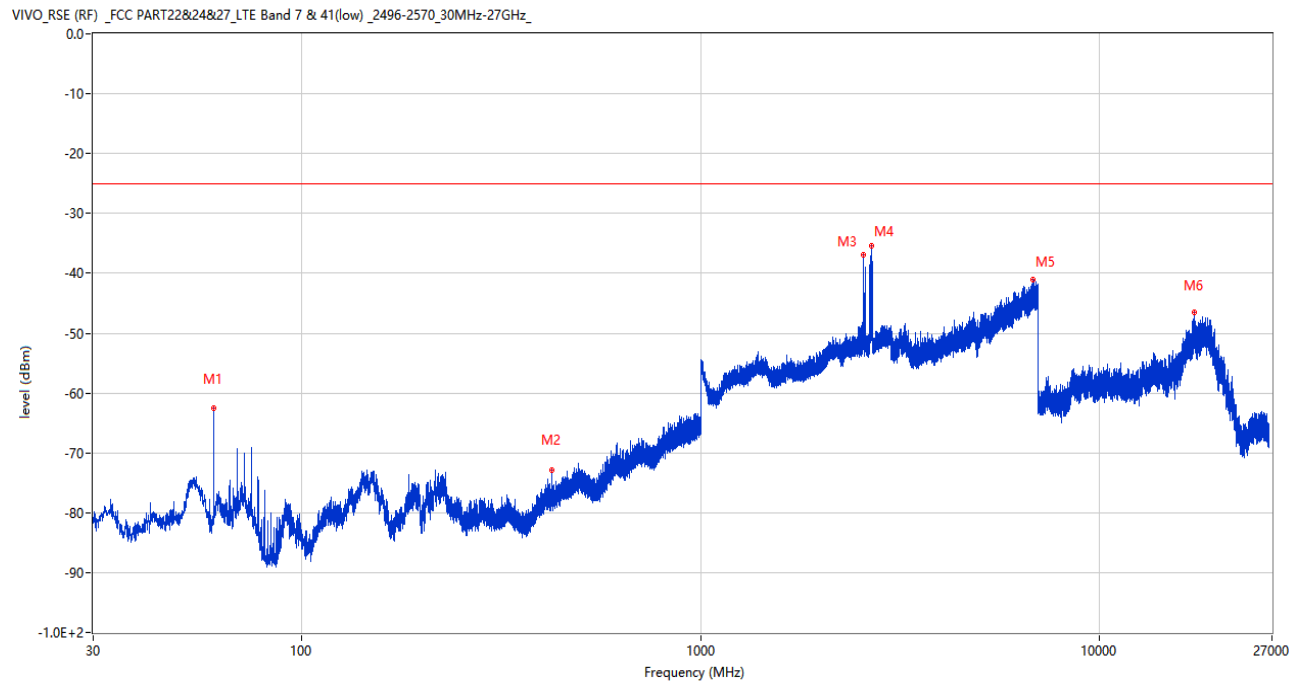
32.12 CA_7C 20MHz+20MHz, 16-QAM, High Channel

RSE-H&H PCC 21152 BW20 16QAM RB1 HIGH SCC 21350 BW20 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
137.864	-66.09	-15.92	-25.0	-41.09	110.00	Horizontal	Horizontal	Pass
1378.100	-52.98	-1.99	-25.0	-27.98	360.00	Horizontal	Horizontal	Pass
2551.300	-33.84	3.75	-25.0	-8.84	95.00	Horizontal	Horizontal	N/A
2683.100	-33.57	3.04	-25.0	-8.57	260.00	Horizontal	Horizontal	N/A
6981.400	-40.96	13.52	-25.0	-15.96	117.00	Horizontal	Horizontal	Pass
17297.814	-47.81	10.69	-25.0	-22.81	53.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 21152 BW20 16QAM RB1 HIGH SCC 21350 BW20 16QAM RB1 LOW

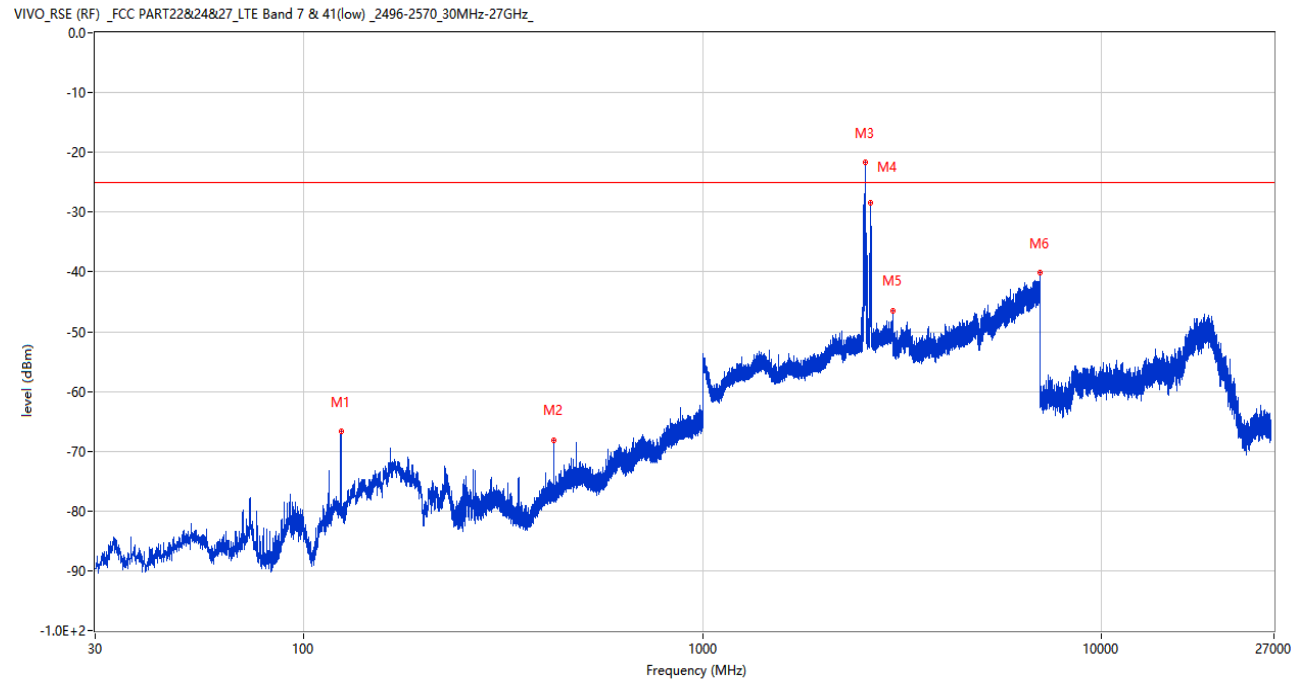


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
60.215	-62.56	-17.40	-25.0	-37.56	89.00	Vertical	Vertical	Pass
424.014	-72.86	-7.84	-25.0	-47.86	360.00	Vertical	Vertical	Pass
2551.300	-36.86	3.75	-25.0	-11.86	315.00	Vertical	Vertical	N/A
2677.400	-35.34	2.97	-25.0	-10.34	134.00	Vertical	Vertical	N/A
6794.400	-40.99	12.98	-25.0	-15.99	0.00	Vertical	Vertical	Pass
17260.012	-46.58	11.60	-25.0	-21.58	204.00	Vertical	Vertical	Pass

33 CA_38C

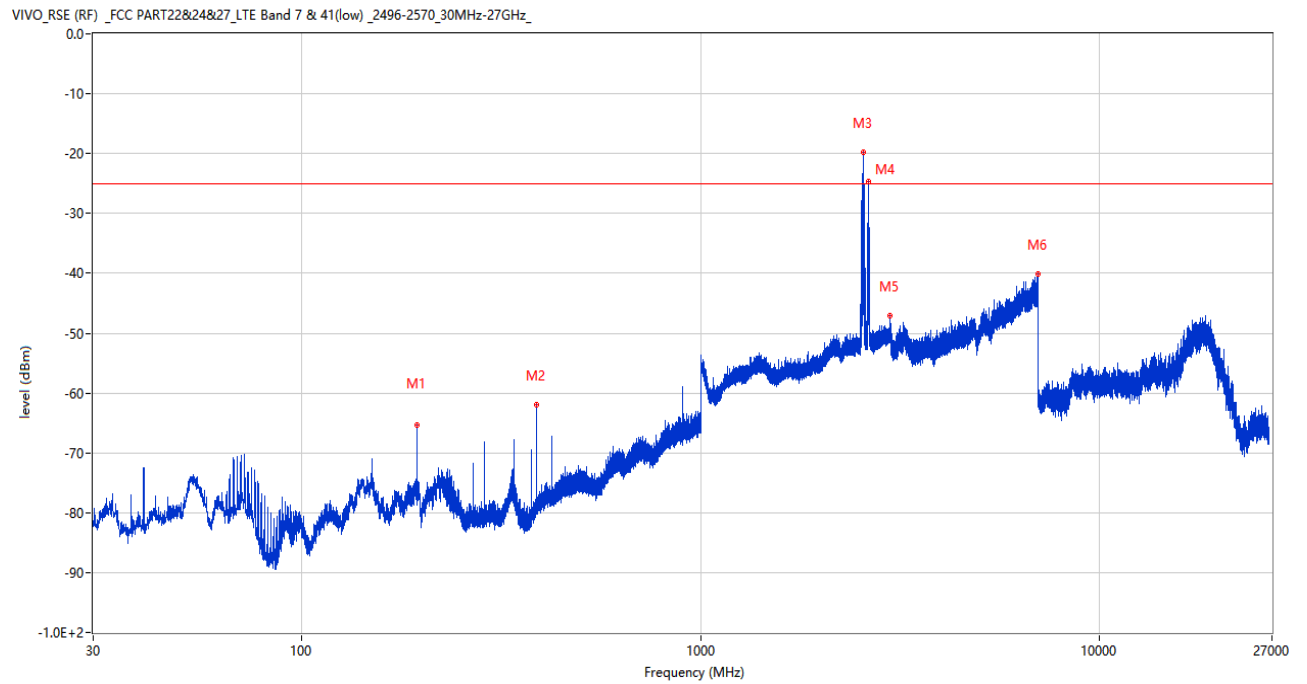
33.1 CA_38C 15MHz+15MHz, QPSK, Low Channel

RSE-H&H PCC 37825 BW15 QPSK RB1 HIGH SCC 37975 BW15 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
123.848	-66.70	-18.24	-25.0	-41.70	252.00	Horizontal	Horizontal	Pass
423.044	-68.18	-7.94	-25.0	-43.18	30.00	Horizontal	Horizontal	Pass
2559.700	-21.71	3.62	-25.0	3.29	301.00	Horizontal	Horizontal	N/A
2632.600	-28.40	3.67	-25.0	-3.40	279.00	Horizontal	Horizontal	N/A
2989.400	-46.52	4.92	-25.0	-21.52	335.00	Horizontal	Horizontal	Pass
6998.000	-40.16	13.96	-25.0	-15.16	203.00	Horizontal	Horizontal	Pass

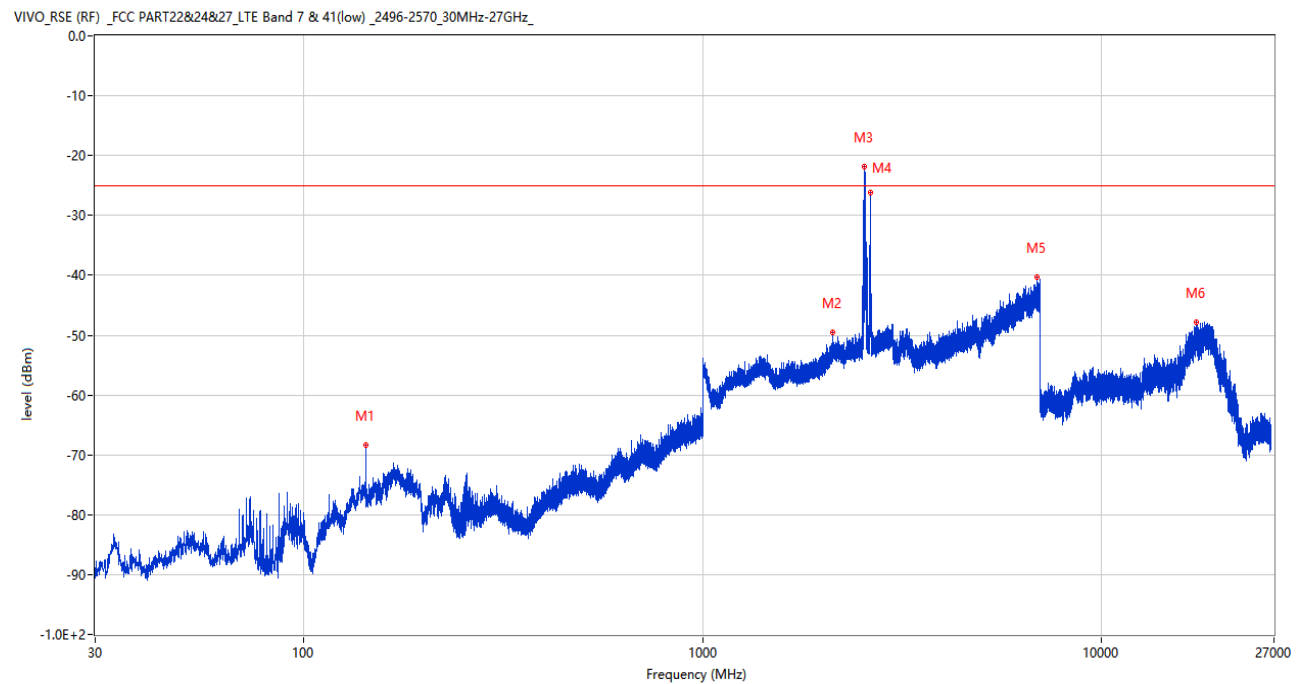
RSE-V&V PCC 37825 BW15 QPSK RB1 HIGH SCC 37975 BW15 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
193.978	-65.29	-14.60	-25.0	-40.29	283.00	Vertical	Vertical	Pass
386.621	-61.99	-9.68	-25.0	-36.99	283.00	Vertical	Vertical	Pass
2559.900	-19.79	3.72	-25.0	5.21	310.00	Vertical	Vertical	N/A
2632.300	-24.58	3.66	-25.0	0.42	253.00	Vertical	Vertical	N/A
2978.000	-47.02	4.79	-25.0	-22.02	8.00	Vertical	Vertical	Pass
6991.600	-40.11	13.92	-25.0	-15.11	360.00	Vertical	Vertical	Pass

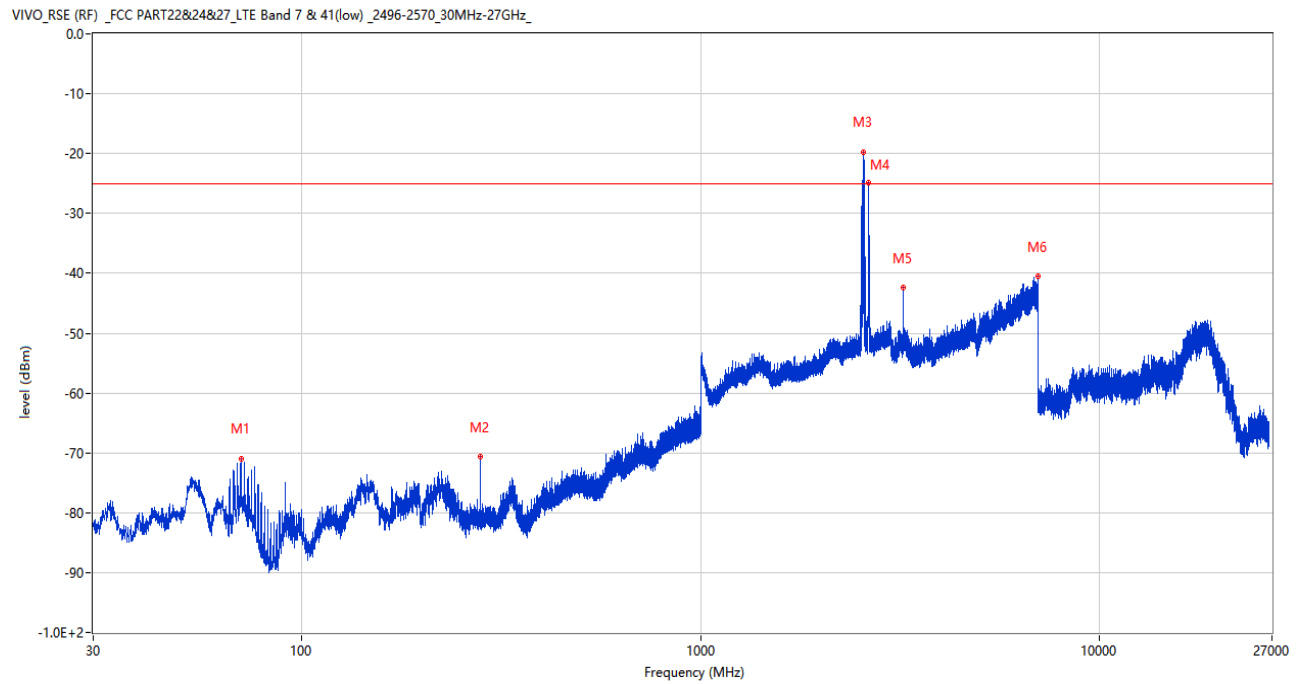
33.2 CA_38C 15MHz+15MHz, 16-QAM, Low Channel

RSE-H&H PCC 37825 BW15 16QAM RB1 HIGH SCC 37975 BW15 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
143.150	-68.43	-15.44	-25.0	-43.43	99.00	Horizontal	Horizontal	Pass
2110.800	-49.47	0.93	-25.0	-24.47	304.00	Horizontal	Horizontal	Pass
2534.400	-21.84	1.79	-25.0	3.16	105.00	Horizontal	Horizontal	N/A
2630.400	-26.21	3.56	-25.0	-1.21	105.00	Horizontal	Horizontal	N/A
6871.600	-40.33	12.16	-25.0	-15.33	31.00	Horizontal	Horizontal	Pass
17242.950	-47.82	11.15	-25.0	-22.82	344.00	Horizontal	Horizontal	Pass

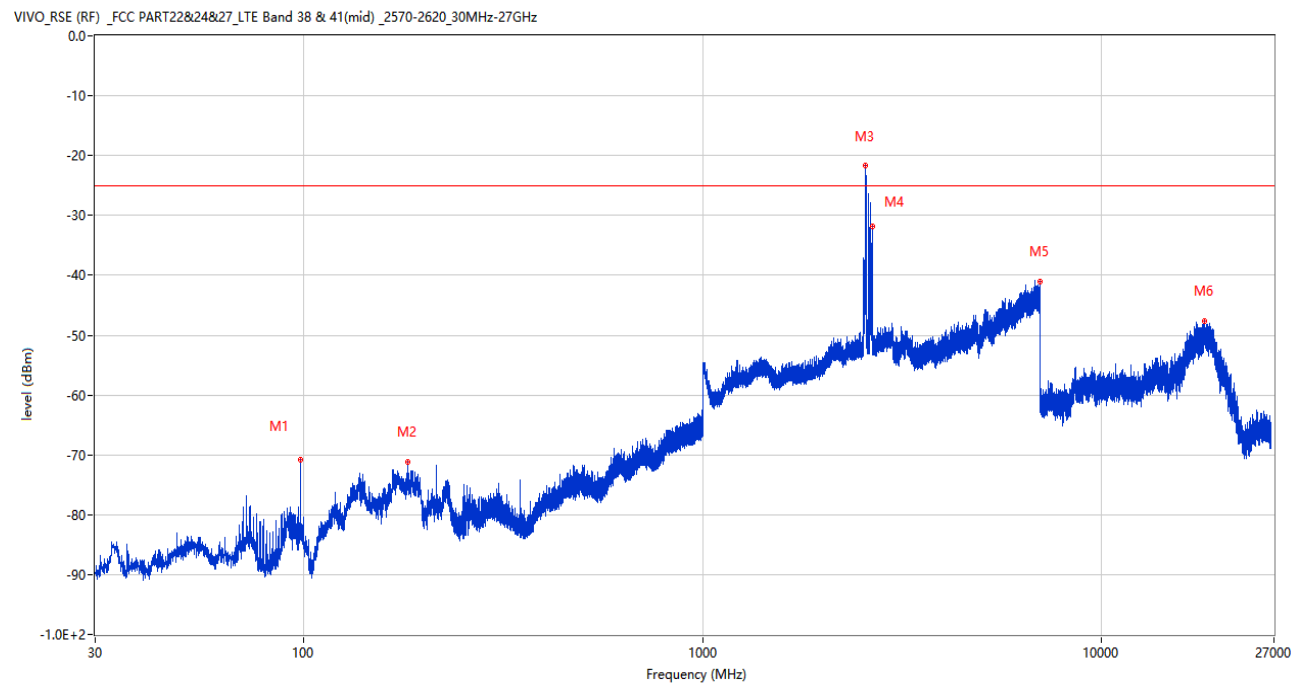
RSE-V&V PCC 37825 BW15 16QAM RB1 HIGH SCC 37975 BW15 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
70.352	-70.98	-16.44	-25.0	-45.98	171.00	Vertical	Vertical	Pass
280.502	-70.71	-12.17	-25.0	-45.71	280.00	Vertical	Vertical	Pass
2560.800	-19.81	4.15	-25.0	5.19	298.00	Vertical	Vertical	N/A
2634.400	-24.87	3.42	-25.0	0.13	255.00	Vertical	Vertical	N/A
3219.800	-42.40	5.65	-25.0	-17.40	258.00	Vertical	Vertical	Pass
6991.200	-40.58	13.91	-25.0	-15.58	347.00	Vertical	Vertical	Pass

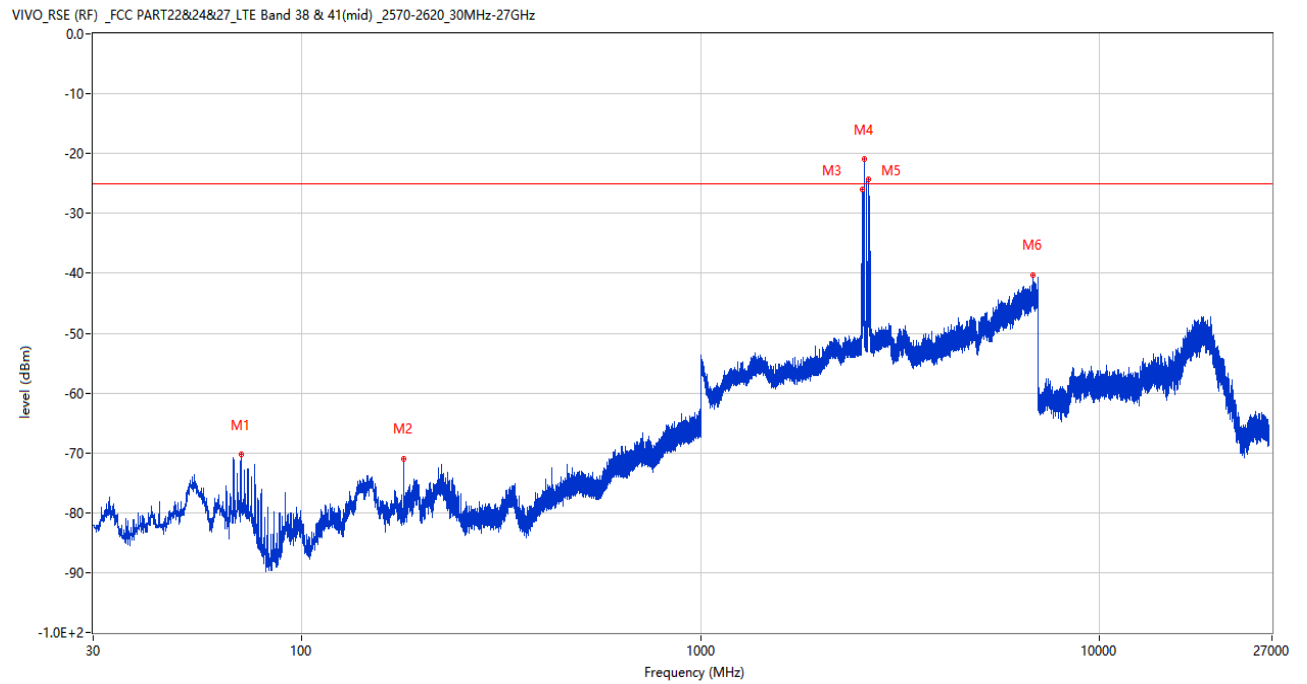
33.3 CA_38C 15MHz+15MHz, QPSK, Middle Channel

RSE-H&H PCC 37925 BW15 QPSK RB1 HIGH SCC 38075 BW15 QPSK RB1 LOW



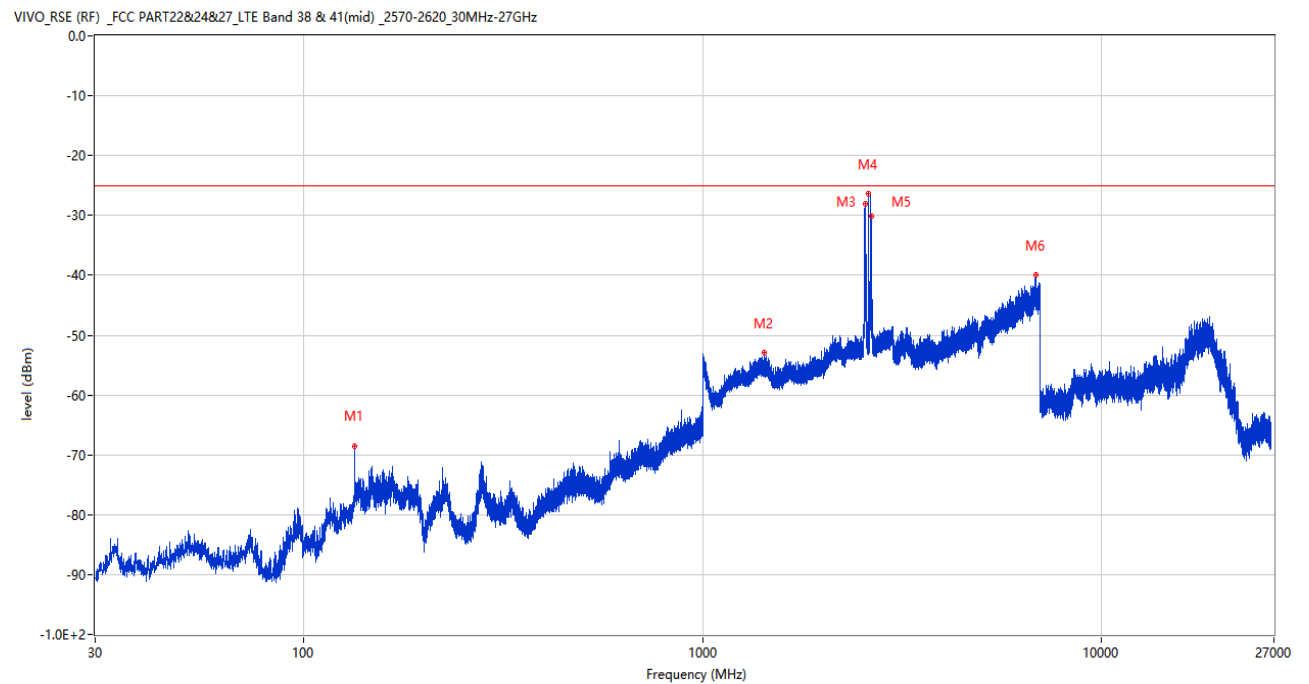
Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
98.094	-70.80	-20.50	-25.0	-45.80	8.00	Horizontal	Horizontal	Pass
181.805	-71.11	-14.71	-25.0	-46.11	143.00	Horizontal	Horizontal	Pass
2562.200	-21.73	5.36	-25.0	3.27	310.00	Horizontal	Horizontal	N/A
2655.000	-31.91	2.50	-25.0	-6.91	104.00	Horizontal	Horizontal	N/A
6989.200	-40.96	13.75	-25.0	-15.96	84.00	Horizontal	Horizontal	Pass
18112.199	-47.55	10.48	-25.0	-22.55	132.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 37925 BW15 QPSK RB1 HIGH SCC 38075 BW15 QPSK RB1 LOW



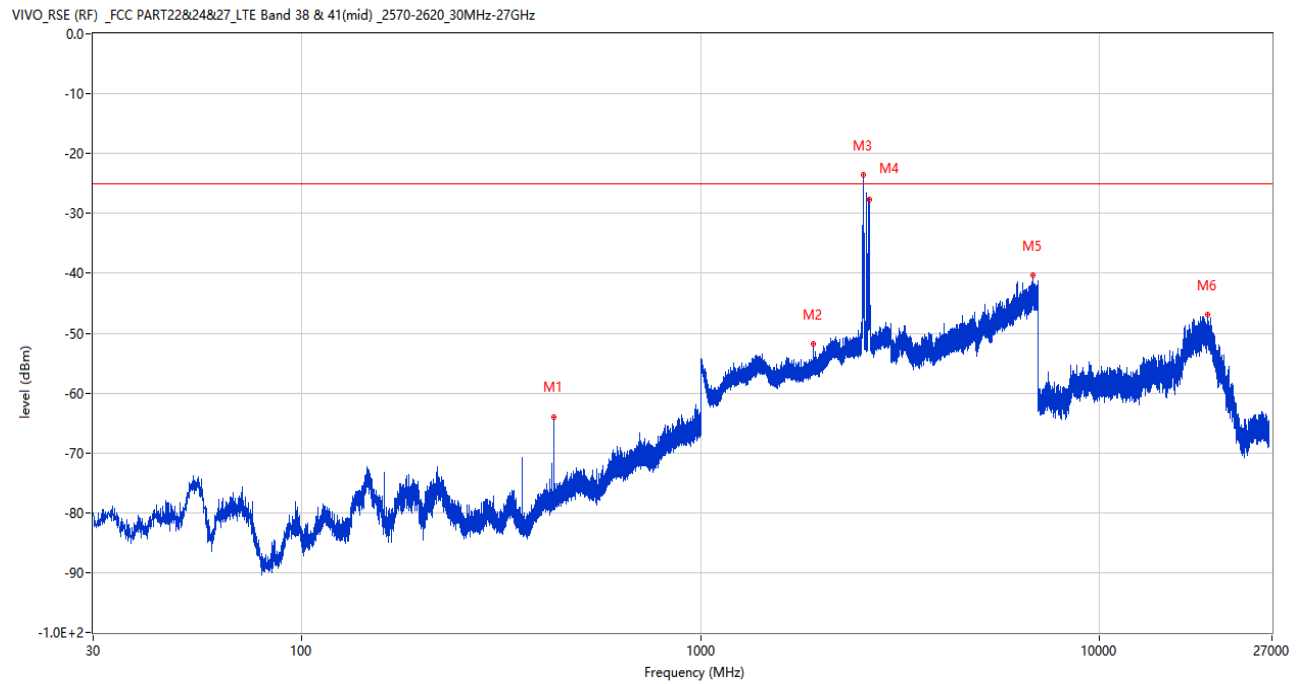
33.4 CA_38C 15MHz+15MHz, 16-QAM, Middle Channel

RSE-H&H PCC 37925 BW15 16QAM RB1 HIGH SCC 38075 BW15 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
134.130	-68.57	-16.49	-25.0	-43.57	53.00	Horizontal	Horizontal	Pass
1421.600	-52.97	-1.88	-25.0	-27.97	291.00	Horizontal	Horizontal	Pass
2557.900	-28.03	2.98	-25.0	-3.03	67.00	Horizontal	Horizontal	N/A
2594.300	-26.42	4.73	-25.0	-1.42	108.00	Horizontal	Horizontal	N/A
2642.500	-30.21	2.48	-25.0	-5.21	277.00	Horizontal	Horizontal	N/A
6821.600	-39.90	13.08	-25.0	-14.90	125.00	Horizontal	Horizontal	Pass

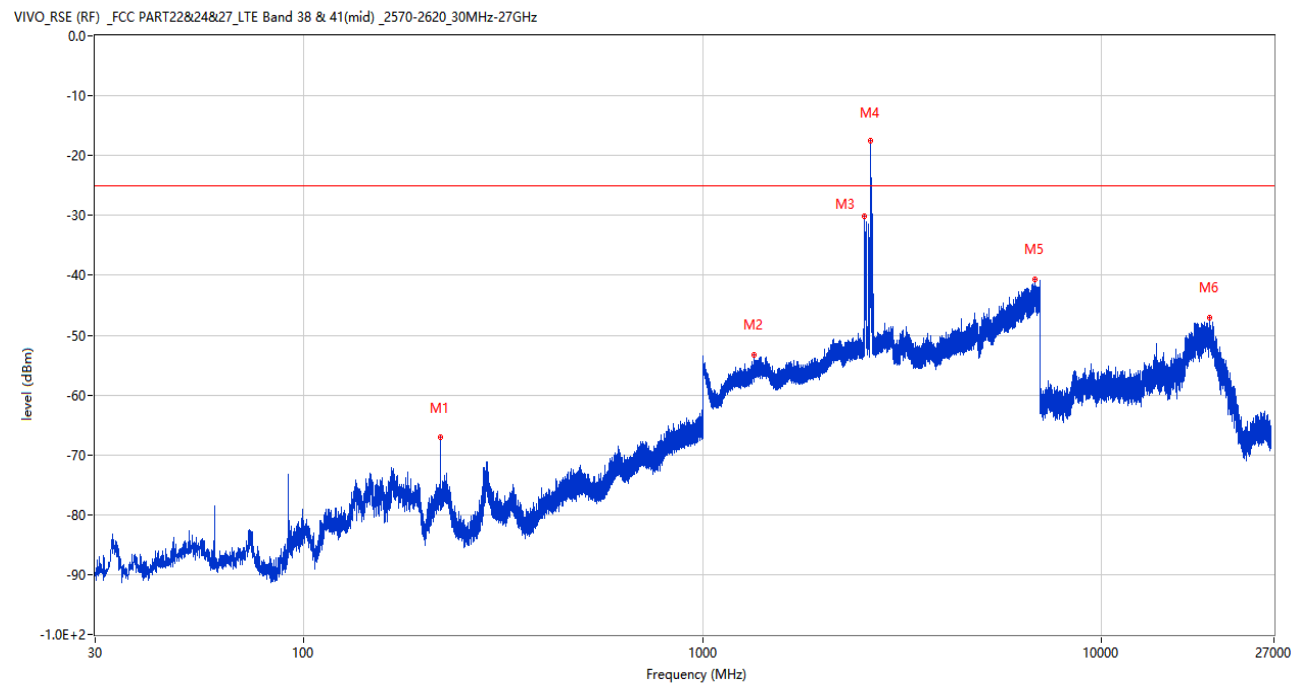
RSE-V&V PCC 37925 BW15 16QAM RB1 HIGH SCC 38075 BW15 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
427.700	-63.96	-7.95	-25.0	-38.96	274.00	Vertical	Vertical	Pass
1918.800	-51.83	-1.88	-25.0	-26.83	354.00	Vertical	Vertical	Pass
2550.600	-23.46	3.38	-25.0	1.54	307.00	Vertical	Vertical	N/A
2639.600	-27.63	2.54	-25.0	-2.63	260.00	Vertical	Vertical	N/A
6816.800	-40.39	13.12	-25.0	-15.39	1.00	Vertical	Vertical	Pass
18576.300	-46.93	9.56	-25.0	-21.93	360.00	Vertical	Vertical	Pass

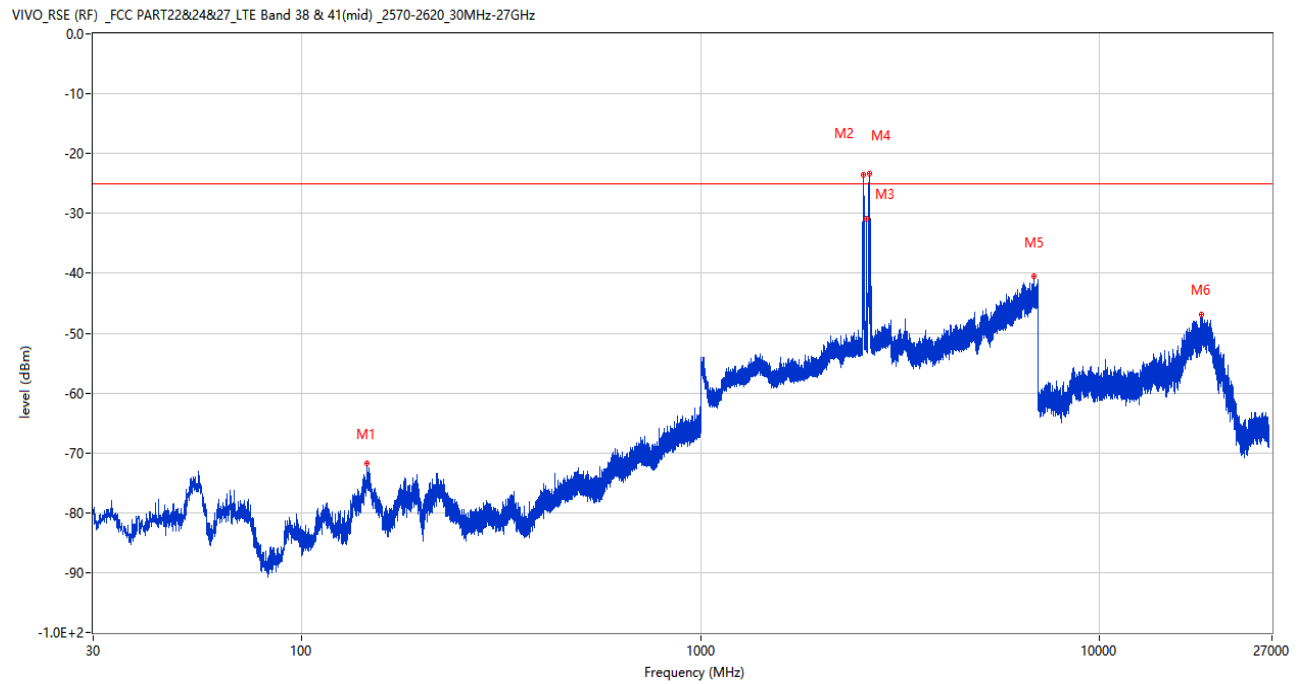
33.5 CA_38C 15MHz+15MHz, QPSK, High Channel

RSE-H&H PCC 38025 BW15 QPSK RB1 HIGH SCC 38175 BW15 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
219.441	-66.95	-14.41	-25.0	-41.95	276.00	Horizontal	Horizontal	Pass
1343.800	-53.29	-2.48	-25.0	-28.29	221.00	Horizontal	Horizontal	Pass
2545.300	-30.22	2.72	-25.0	-5.22	84.00	Horizontal	Horizontal	N/A
2624.800	-17.45	3.69	-25.0	7.55	99.00	Horizontal	Horizontal	N/A
6780.800	-40.72	12.67	-25.0	-15.72	260.00	Horizontal	Horizontal	Pass
18612.001	-47.15	9.49	-25.0	-22.15	254.00	Horizontal	Horizontal	Pass

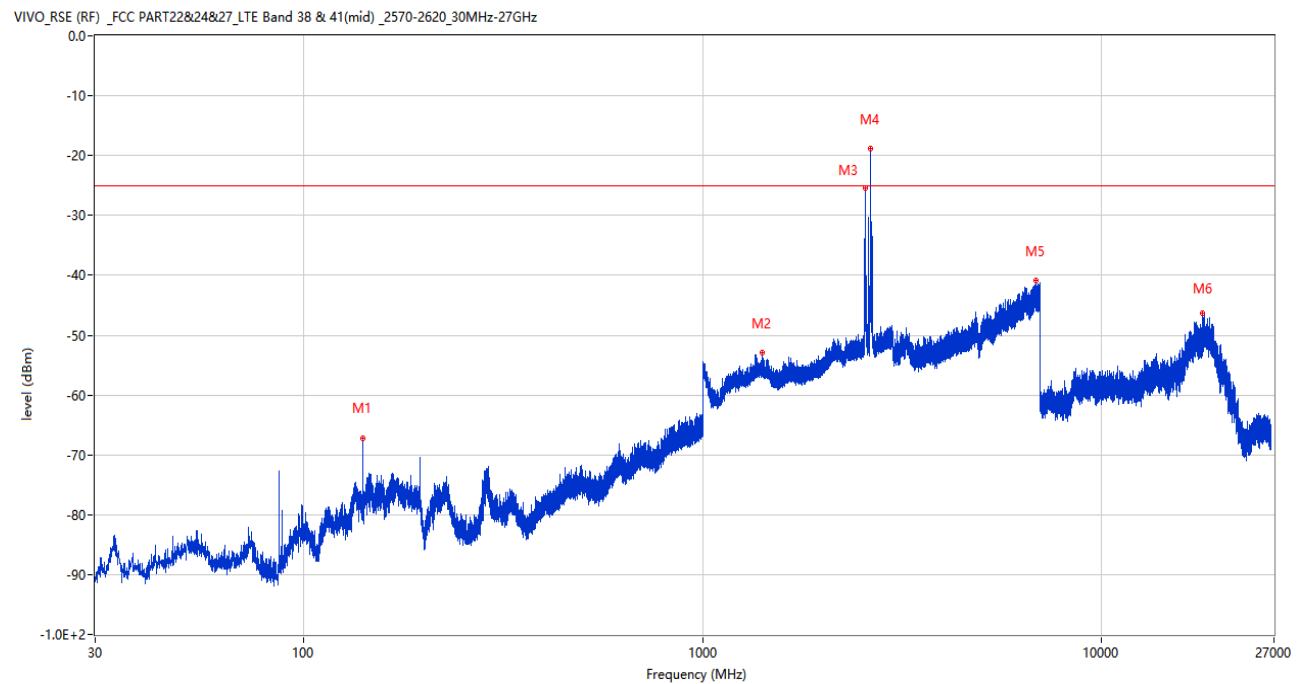
RSE-V&V PCC 38025 BW15 QPSK RB1 HIGH SCC 38175 BW15 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.83	-15.20	-25.0	-46.83	299.00	Vertical	Vertical	Pass
2559.900	-23.57	3.72	-25.0	1.43	226.00	Vertical	Vertical	N/A
2604.300	-30.80	4.36	-25.0	-5.80	256.00	Vertical	Vertical	N/A
2640.000	-23.35	2.53	-25.0	1.65	305.00	Vertical	Vertical	N/A
6821.200	-40.52	13.09	-25.0	-15.52	360.00	Vertical	Vertical	Pass
17982.937	-46.98	10.68	-25.0	-21.98	220.00	Vertical	Vertical	Pass

33.6 CA_38C 15MHz+15MHz, 16-QAM, High Channel

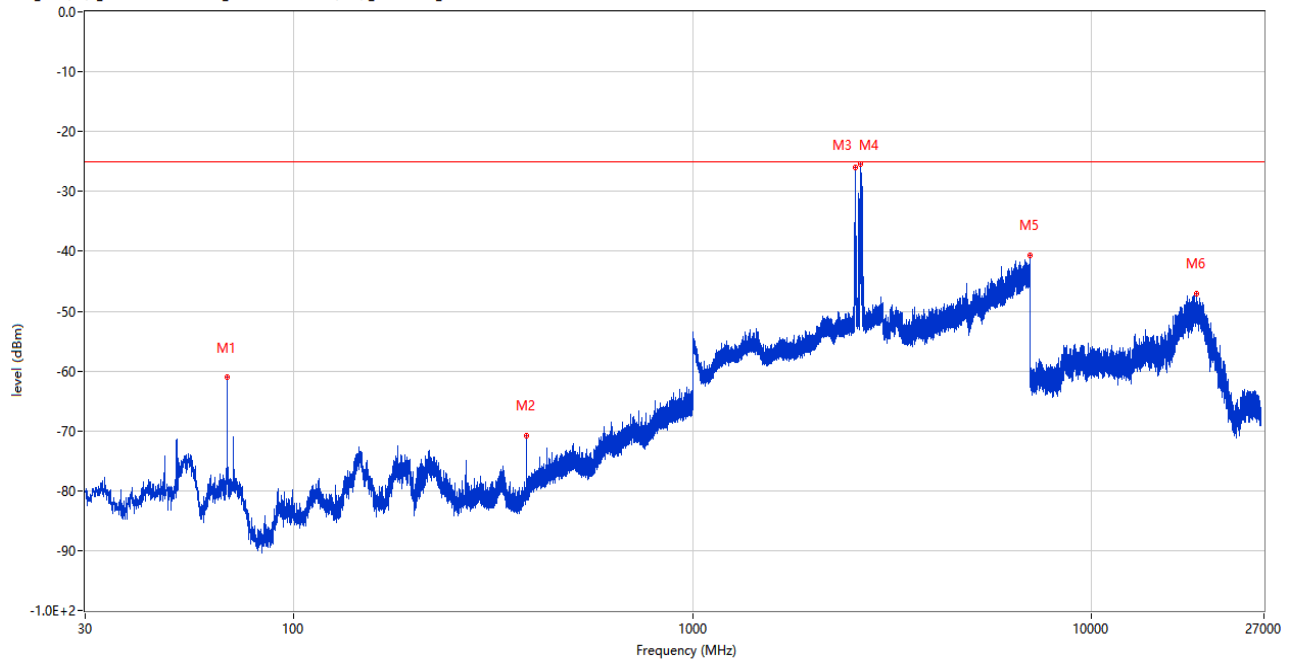
RSE-H&H PCC 38025 BW15 16QAM RB1 HIGH SCC 38175 BW15 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
140.919	-67.30	-15.57	-25.0	-42.30	343.00	Horizontal	Horizontal	Pass
1405.500	-52.96	-1.84	-25.0	-27.96	187.00	Horizontal	Horizontal	Pass
2555.300	-25.48	2.96	-25.0	-0.48	298.00	Horizontal	Horizontal	N/A
2630.100	-18.88	3.52	-25.0	6.12	95.00	Horizontal	Horizontal	N/A
6817.800	-40.95	13.11	-25.0	-15.95	125.00	Horizontal	Horizontal	Pass
17857.989	-46.25	10.45	-25.0	-21.25	58.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 38025 BW15 16QAM RB1 HIGH SCC 38175 BW15 16QAM RB1 LOW

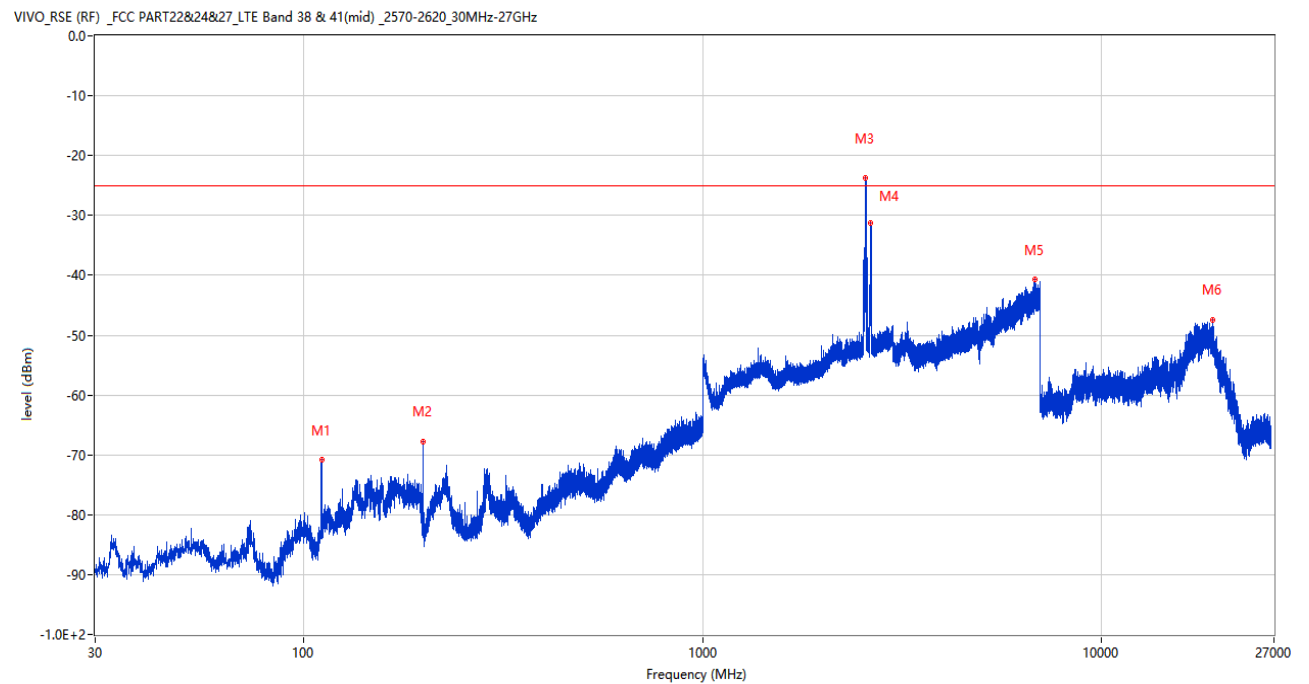
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
68.170	-61.06	-16.55	-25.0	-36.06	100.00	Vertical	Vertical	Pass
382.498	-70.87	-10.11	-25.0	-45.87	100.00	Vertical	Vertical	Pass
2555.800	-26.05	2.86	-25.0	-1.05	306.00	Vertical	Vertical	N/A
2632.100	-25.44	3.66	-25.0	-0.44	287.00	Vertical	Vertical	N/A
6999.200	-40.75	13.93	-25.0	-15.75	328.00	Vertical	Vertical	Pass
18350.199	-47.14	10.01	-25.0	-22.14	8.00	Vertical	Vertical	Pass

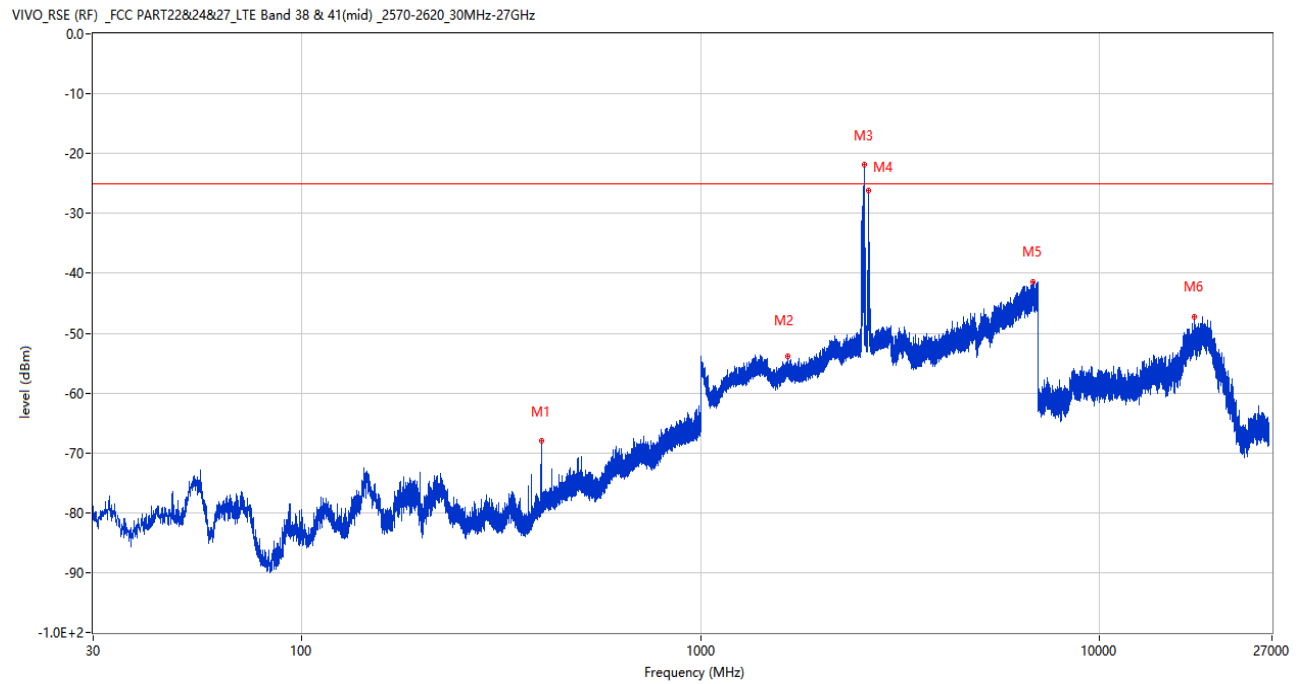
33.7 CA_38C 20MHz+20MHz, QPSK, Low Channel

RSE-H&H PCC 37850 BW20 QPSK RB1 HIGH SCC 38048 BW20 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
110.704	-70.72	-19.94	-25.0	-45.72	29.00	Horizontal	Horizontal	Pass
198.780	-67.74	-18.23	-25.0	-42.74	29.00	Horizontal	Horizontal	Pass
2560.100	-23.69	3.81	-25.0	1.31	156.00	Horizontal	Horizontal	N/A
2628.500	-31.30	3.40	-25.0	-6.30	110.00	Horizontal	Horizontal	N/A
6780.400	-40.71	12.67	-25.0	-15.71	2.00	Horizontal	Horizontal	Pass
18935.849	-47.50	8.85	-25.0	-22.50	240.00	Horizontal	Horizontal	Pass

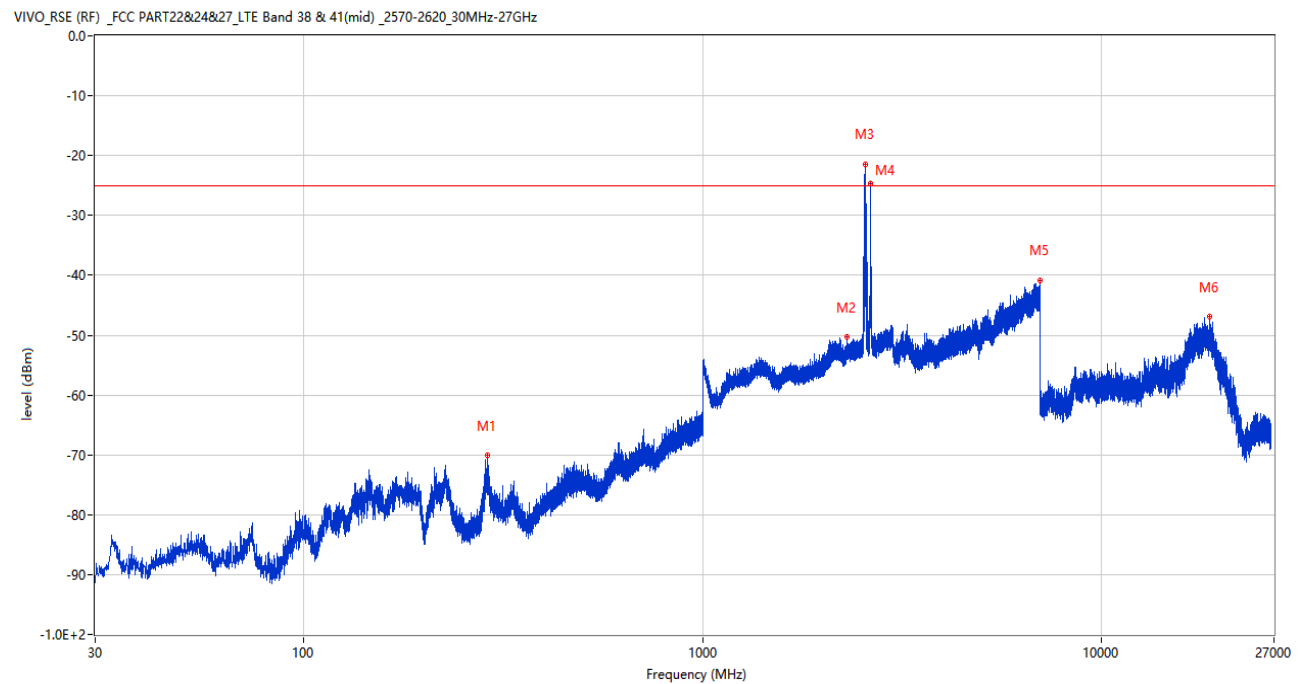
RSE-V&V PCC 37850 BW20 QPSK RB1 HIGH SCC 38048 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
397.824	-67.93	-8.43	-25.0	-42.93	102.00	Vertical	Vertical	Pass
1652.700	-53.94	-2.65	-25.0	-28.94	360.00	Vertical	Vertical	Pass
2562.800	-21.82	5.88	-25.0	3.18	225.00	Vertical	Vertical	N/A
2629.900	-26.25	3.50	-25.0	-1.25	250.00	Vertical	Vertical	N/A
6797.000	-41.48	13.08	-25.0	-16.48	329.00	Vertical	Vertical	Pass
17244.262	-47.36	11.20	-25.0	-22.36	90.00	Vertical	Vertical	Pass

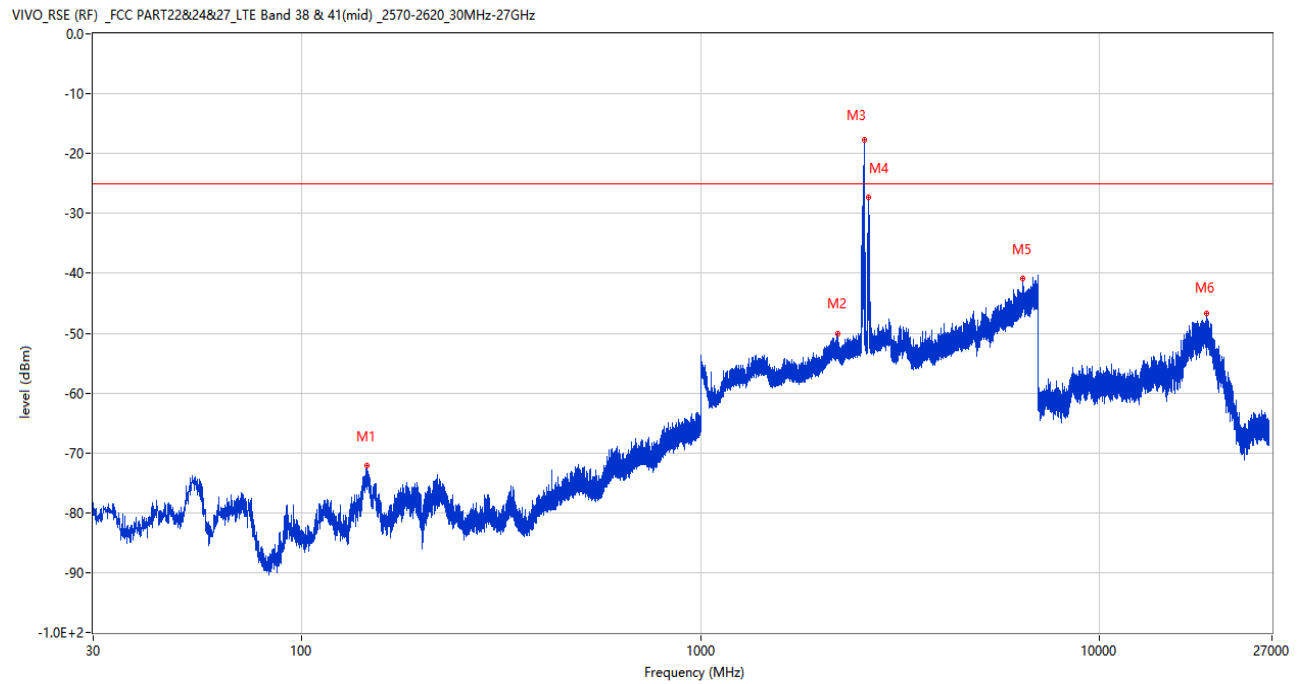
33.8 CA_38C 20MHz+20MHz, 16-QAM, Low Channel

RSE-H&H PCC 37850 BW20 16QAM RB1 HIGH SCC 38048 BW20 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
289.039	-70.08	-11.60	-25.0	-45.08	316.00	Horizontal	Horizontal	Pass
2302.700	-50.28	1.67	-25.0	-25.28	3.00	Horizontal	Horizontal	Pass
2561.700	-21.43	4.92	-25.0	3.57	109.00	Horizontal	Horizontal	N/A
2628.000	-24.62	3.47	-25.0	0.38	81.00	Horizontal	Horizontal	N/A
6994.800	-40.95	13.84	-25.0	-15.95	295.00	Horizontal	Horizontal	Pass
18595.000	-46.92	9.52	-25.0	-21.92	211.00	Horizontal	Horizontal	Pass

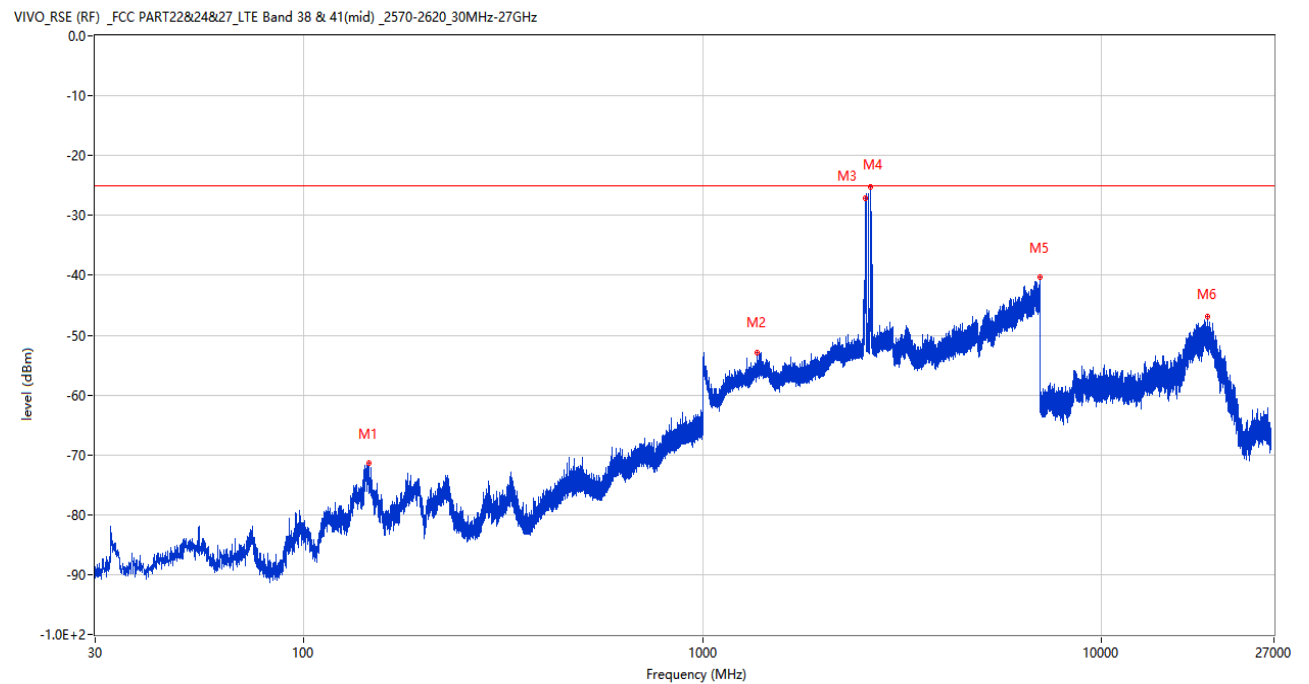
RSE-V&V PCC 37850 BW20 16QAM RB1 HIGH SCC 38048 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-72.16	-15.20	-25.0	-47.16	314.00	Vertical	Vertical	Pass
2209.700	-50.18	1.43	-25.0	-25.18	123.00	Vertical	Vertical	Pass
2563.200	-17.64	6.01	-25.0	7.36	303.00	Vertical	Vertical	N/A
2632.100	-27.28	3.66	-25.0	-2.28	360.00	Vertical	Vertical	N/A
6425.800	-40.90	11.69	-25.0	-15.90	19.00	Vertical	Vertical	Pass
18549.524	-46.69	9.61	-25.0	-21.69	143.00	Vertical	Vertical	Pass

33.9 CA_38C 20MHz+20MHz, QPSK, Middle Channel

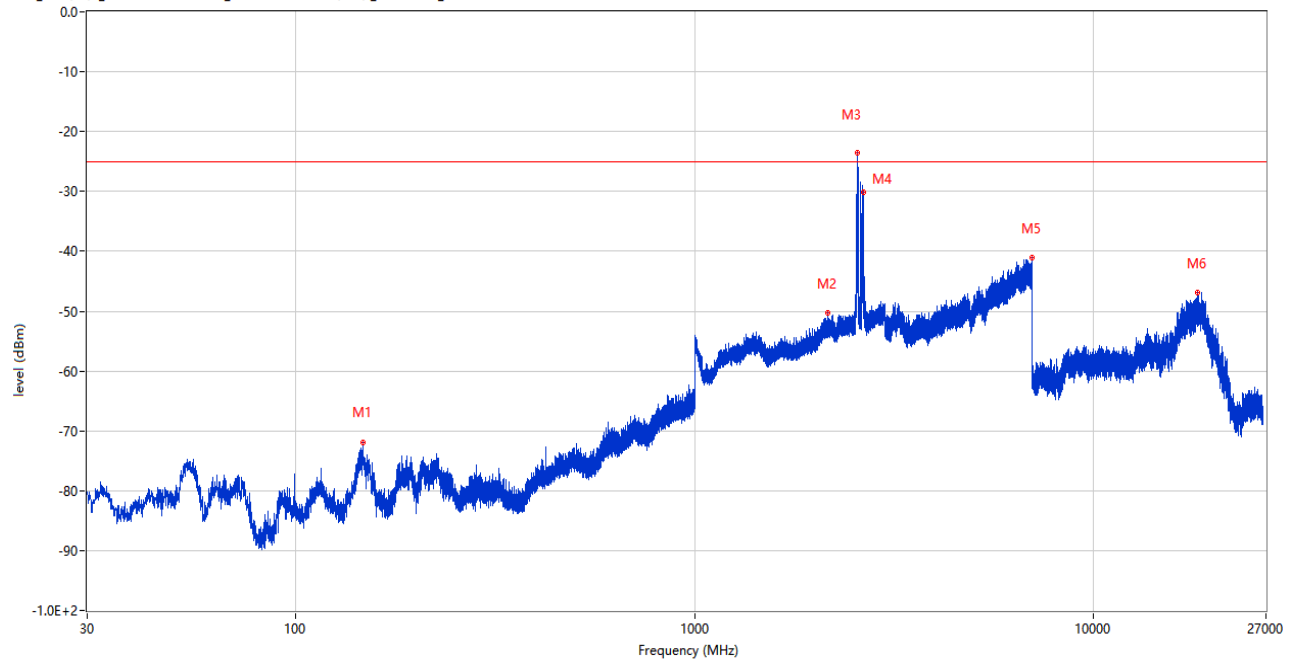
RSE-H&H PCC 37901 BW20 QPSK RB1 HIGH SCC 38099 BW20 QPSK RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.30	-15.20	-25.0	-46.30	329.00	Horizontal	Horizontal	Pass
1370.400	-52.94	-1.98	-25.0	-27.94	3.00	Horizontal	Horizontal	Pass
2548.200	-27.14	3.12	-25.0	-2.14	144.00	Horizontal	Horizontal	N/A
2632.800	-25.29	3.67	-25.0	-0.29	144.00	Horizontal	Horizontal	N/A
6989.800	-40.38	13.80	-25.0	-15.38	360.00	Horizontal	Horizontal	Pass
18404.600	-46.92	9.90	-25.0	-21.92	179.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 37901 BW20 QPSK RB1 HIGH SCC 38099 BW20 QPSK RB1 LOW

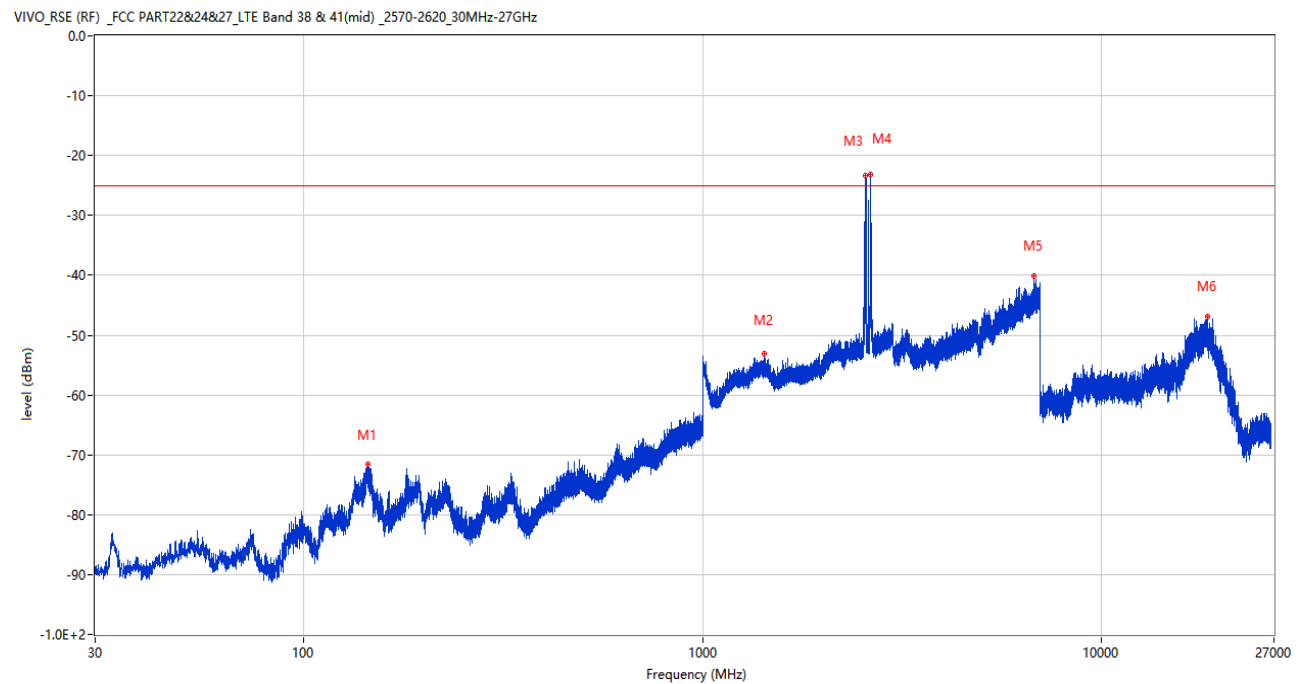
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
147.273	-71.91	-15.30	-25.0	-46.91	23.00	Vertical	Vertical	Pass
2154.700	-50.34	0.80	-25.0	-25.34	76.00	Vertical	Vertical	Pass
2560.400	-23.62	3.96	-25.0	1.38	3.00	Vertical	Vertical	N/A
2647.800	-30.14	2.79	-25.0	-5.14	237.00	Vertical	Vertical	N/A
6998.600	-40.98	13.94	-25.0	-15.98	360.00	Vertical	Vertical	Pass
18183.600	-46.89	10.34	-25.0	-21.89	46.00	Vertical	Vertical	Pass

33.10 CA_38C 20MHz+20MHz, 16-QAM, Middle Channel

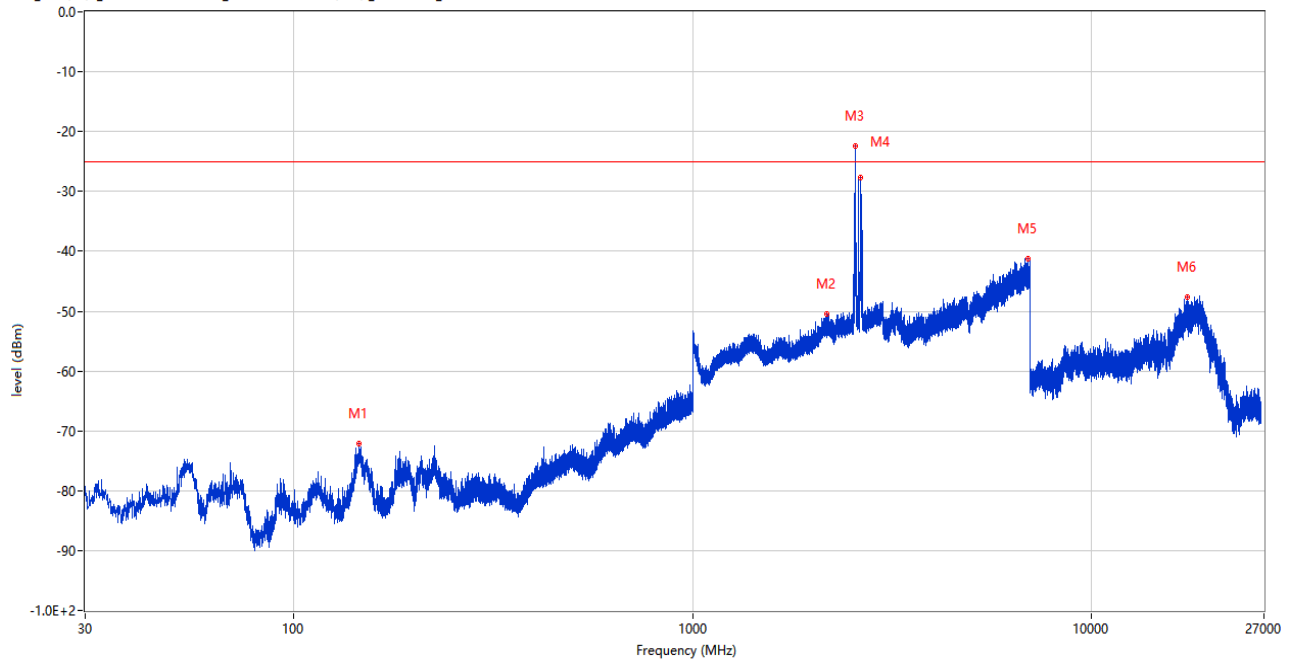
RSE-H&H PCC 37901 BW20 16QAM RB1 HIGH SCC 38099 BW20 16QAM RB1 LOW



Frequency(MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
144.460	-71.57	-15.24	-25.0	-46.57	302.00	Horizontal	Horizontal	Pass
1426.300	-53.19	-1.91	-25.0	-28.19	3.00	Horizontal	Horizontal	Pass
2559.500	-23.40	3.53	-25.0	1.60	290.00	Horizontal	Horizontal	N/A
2633.800	-23.13	3.54	-25.0	1.87	89.00	Horizontal	Horizontal	N/A
6776.000	-40.14	12.88	-25.0	-15.14	182.00	Horizontal	Horizontal	Pass
18381.650	-46.81	9.94	-25.0	-21.81	140.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 37901 BW20 16QAM RB1 HIGH SCC 38099 BW20 16QAM RB1 LOW

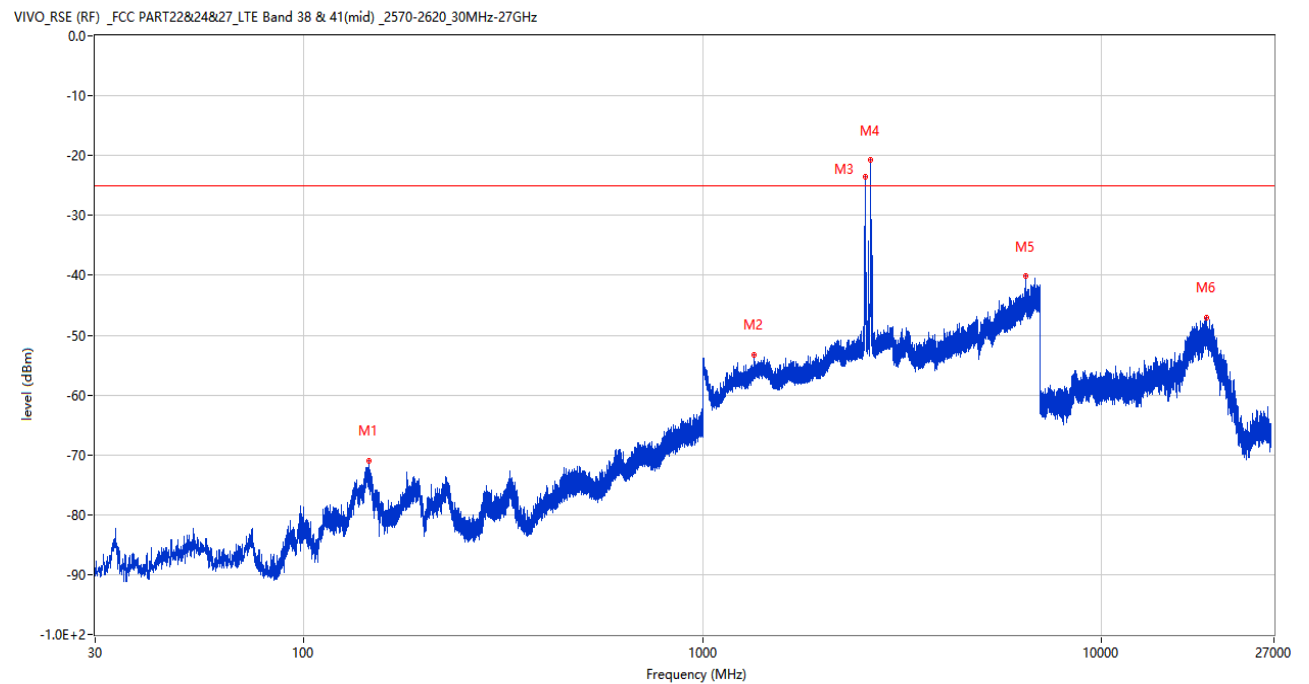
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-72.09	-15.19	-25.0	-47.09	360.00	Vertical	Vertical	Pass
2170.000	-50.56	0.84	-25.0	-25.56	126.00	Vertical	Vertical	Pass
2558.200	-22.34	3.04	-25.0	2.66	308.00	Vertical	Vertical	N/A
2633.700	-27.77	3.56	-25.0	-2.77	3.00	Vertical	Vertical	N/A
6915.800	-41.31	12.34	-25.0	-16.31	205.00	Vertical	Vertical	Pass
17337.188	-47.74	10.51	-25.0	-22.74	191.00	Vertical	Vertical	Pass

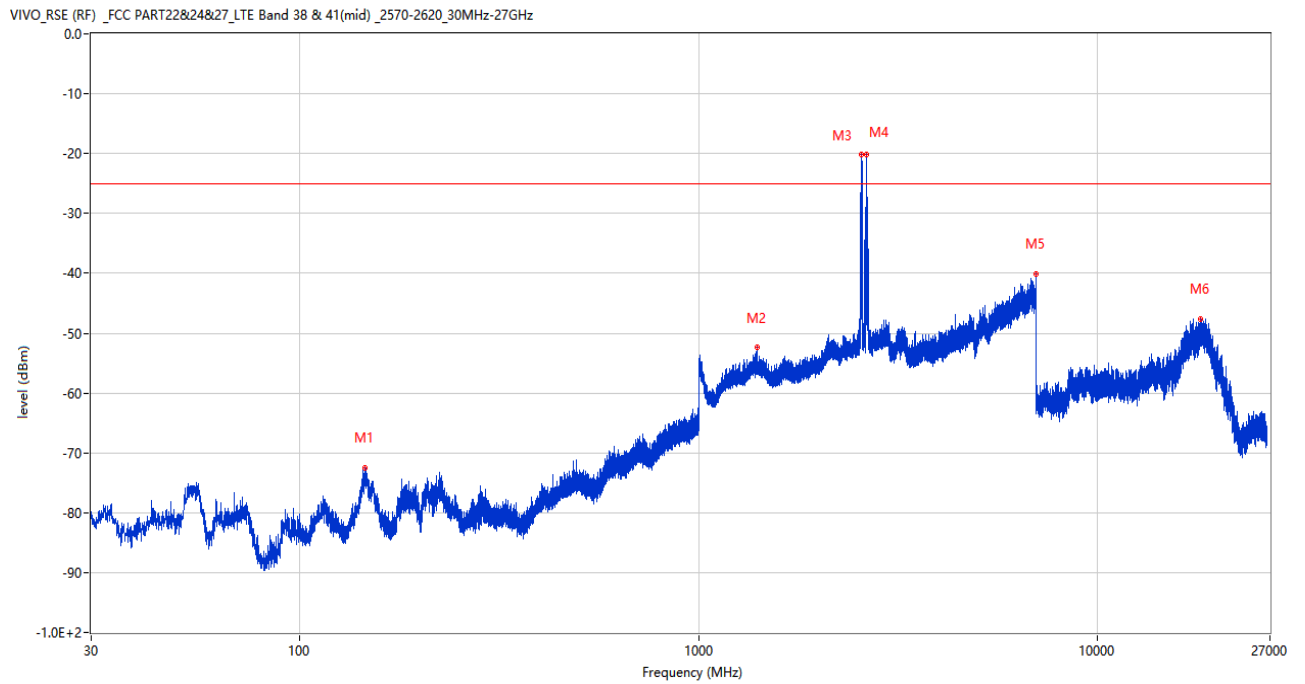
33.11 CA_38C 20MHz+20MHz, QPSK, High Channel

RSE-H&H PCC 37952 BW20 QPSK RB1 HIGH SCC 38150 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.527	-71.02	-15.19	-25.0	-46.02	327.00	Horizontal	Horizontal	Pass
1342.700	-53.37	-2.55	-25.0	-28.37	2.00	Horizontal	Horizontal	Pass
2561.500	-23.62	4.74	-25.0	1.38	159.00	Horizontal	Horizontal	N/A
2629.800	-20.73	3.48	-25.0	4.27	78.00	Horizontal	Horizontal	N/A
6453.400	-40.13	12.80	-25.0	-15.13	360.00	Horizontal	Horizontal	Pass
18341.700	-47.09	10.02	-25.0	-22.09	3.00	Horizontal	Horizontal	Pass

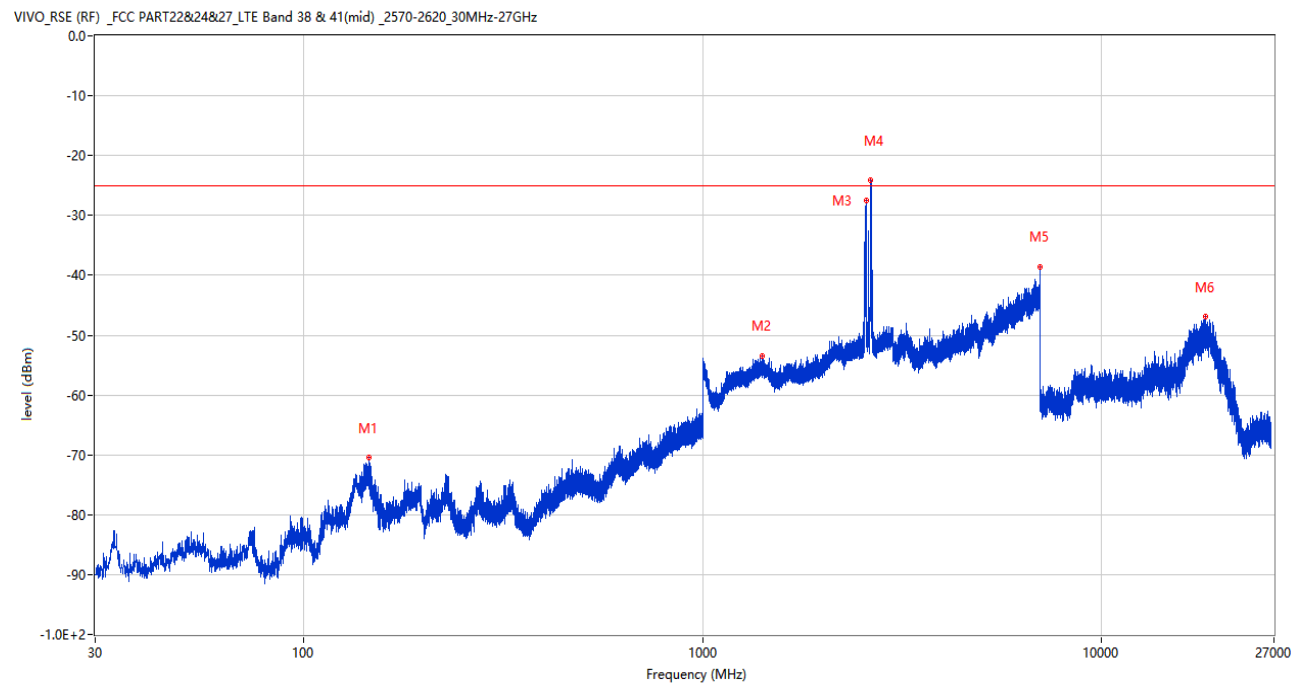
RSE-V&V PCC 37952 BW20 QPSK RB1 HIGH SCC 38150 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-72.54	-15.19	-25.0	-47.54	336.00	Vertical	Vertical	Pass
1402.500	-52.34	-1.76	-25.0	-27.34	152.00	Vertical	Vertical	Pass
2562.200	-20.12	5.36	-25.0	4.88	235.00	Vertical	Vertical	N/A
2629.600	-20.21	3.46	-25.0	4.79	301.00	Vertical	Vertical	N/A
6992.200	-40.06	13.92	-25.0	-15.06	315.00	Vertical	Vertical	Pass
18060.775	-47.60	10.58	-25.0	-22.60	264.00	Vertical	Vertical	Pass

33.12 CA_38C 20MHz+20MHz, 16-QAM, High Channel

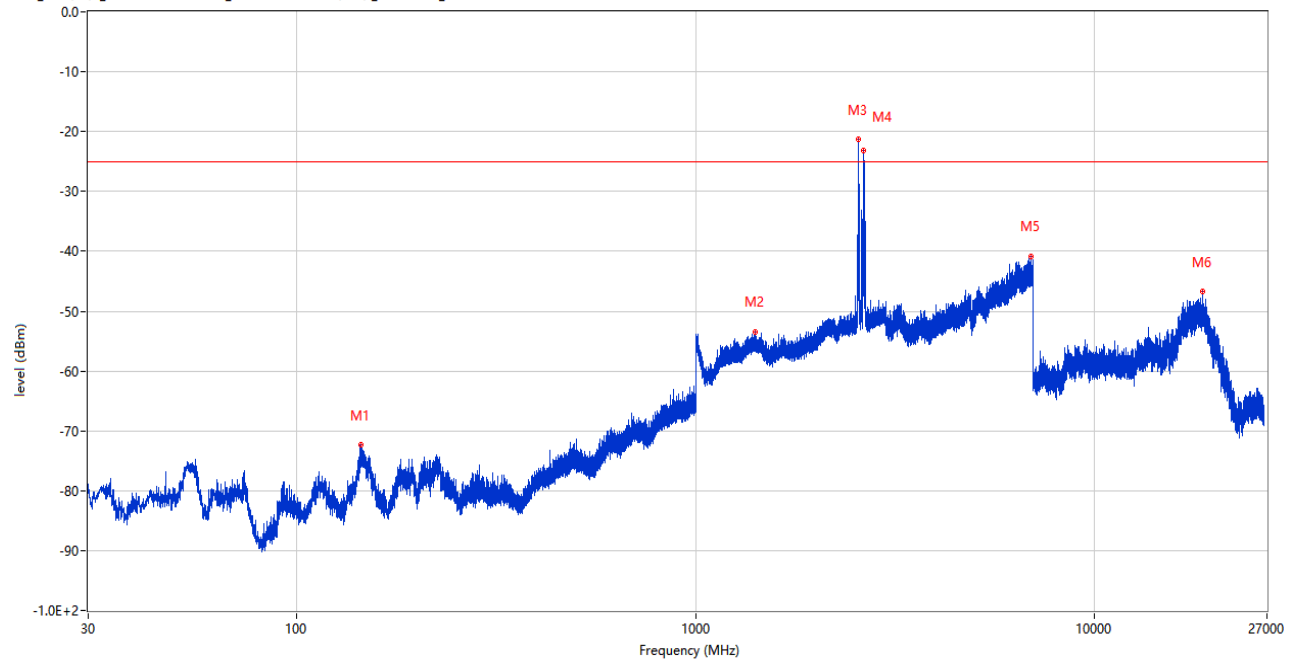
RSE-H&H PCC 37952 BW20 16QAM RB1 HIGH SCC 38150 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit(dB)	Table (o)	ANT	EUT	Verdict
145.672	-70.50	-15.20	-25.0	-45.50	303.00	Horizontal	Horizontal	Pass
1409.400	-53.42	-1.85	-25.0	-28.42	1.00	Horizontal	Horizontal	Pass
2563.200	-27.57	6.01	-25.0	-2.57	143.00	Horizontal	Horizontal	N/A
2631.900	-24.03	3.65	-25.0	0.97	316.00	Horizontal	Horizontal	N/A
7000.000	-38.54	13.90	-25.0	-13.54	112.00	Horizontal	Horizontal	Pass
18225.676	-46.98	10.25	-25.0	-21.98	3.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 37952 BW20 16QAM RB1 HIGH SCC 38150 BW20 16QAM RB1 LOW

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

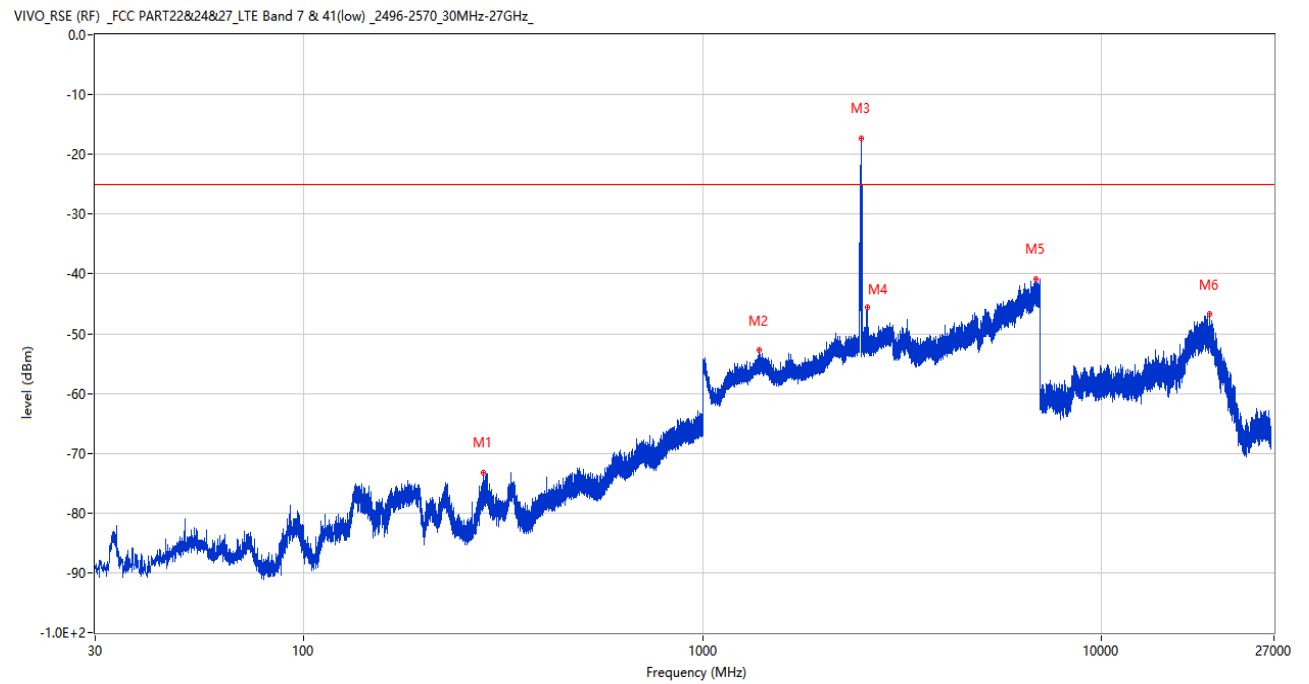


Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
144.751	-72.41	-15.19	-25.0	-47.41	10.00	Vertical	Vertical	Pass
1410.700	-53.57	-1.87	-25.0	-28.57	267.00	Vertical	Vertical	Pass
2561.900	-21.32	5.09	-25.0	3.68	234.00	Vertical	Vertical	N/A
2632.500	-23.21	3.66	-25.0	1.79	200.00	Vertical	Vertical	N/A
6912.800	-40.89	12.26	-25.0	-15.89	111.00	Vertical	Vertical	Pass
18598.400	-46.80	9.52	-25.0	-21.80	280.00	Vertical	Vertical	Pass

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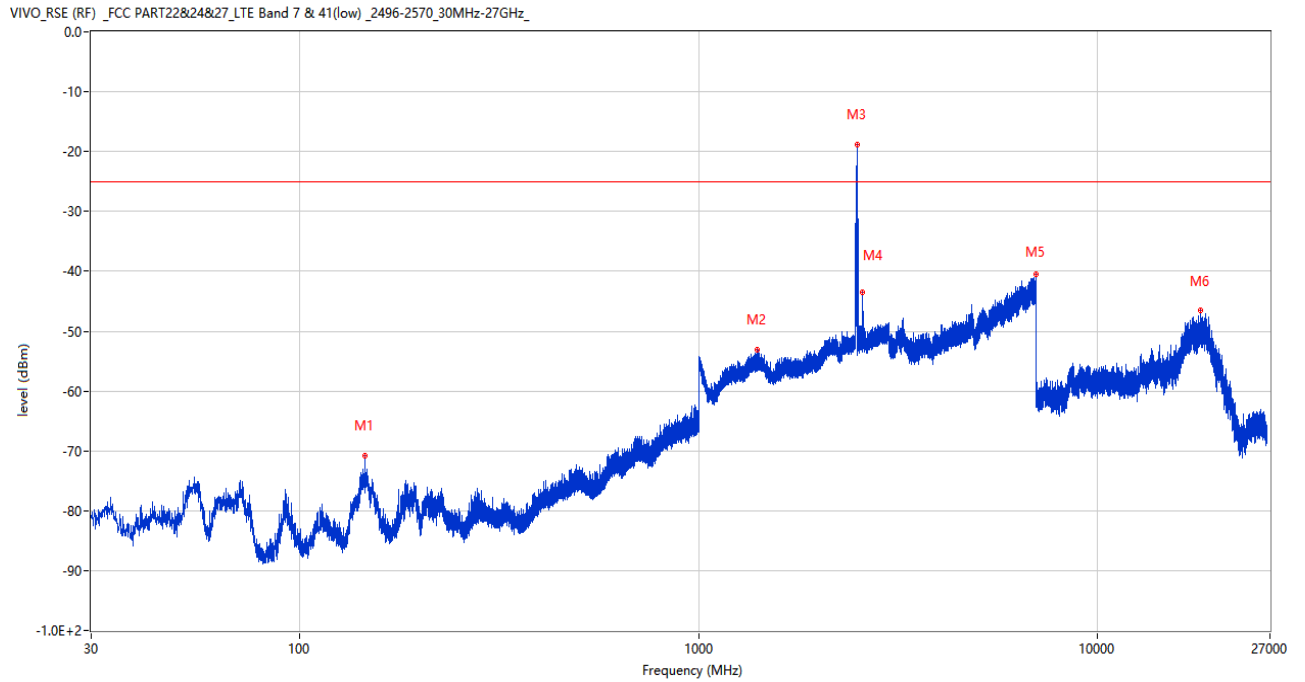
34.1 CA_41C 20MHz+5MHz, QPSK, Low Channel

RSE-H&H PCC 39750 BW20 QPSK RB1 HIGH SCC 39867 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
282.491	-73.17	-11.97	-25.0	-48.17	283.00	Horizontal	Horizontal	Pass
1380.000	-52.81	-1.95	-25.0	-27.81	18.00	Horizontal	Horizontal	Pass
2489.300	-17.25	3.09	-25.0	7.75	95.00	Horizontal	Horizontal	N/A
2591.000	-45.65	2.76	-25.0	-20.65	280.00	Horizontal	Horizontal	N/A
6824.000	-40.79	12.96	-25.0	-15.79	121.00	Horizontal	Horizontal	Pass
18612.001	-46.71	9.49	-25.0	-21.71	341.00	Horizontal	Horizontal	Pass

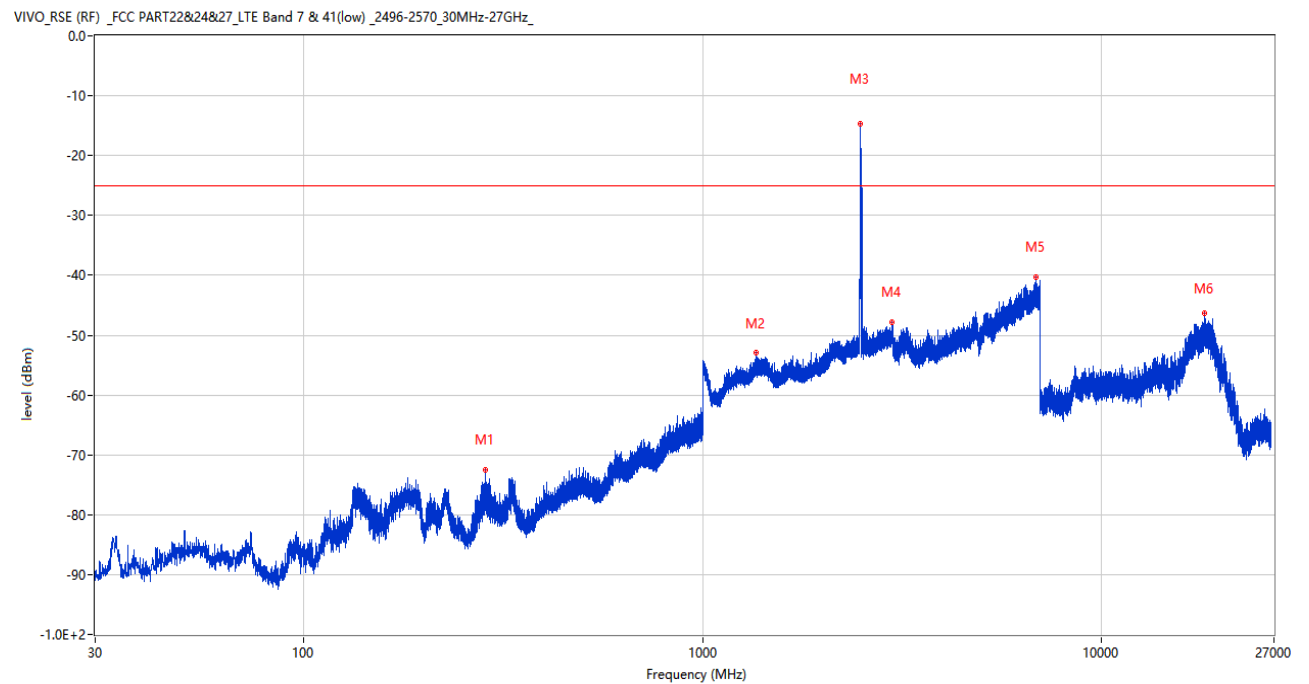
RSE-V&V PCC 39750 BW20 QPSK RB1 HIGH SCC 39867 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.672	-70.86	-15.22	-25.0	-45.86	332.00	Vertical	Vertical	Pass
1402.200	-53.11	-1.84	-25.0	-28.11	182.00	Vertical	Vertical	Pass
2488.900	-18.78	3.09	-25.0	6.22	259.00	Vertical	Vertical	N/A
2575.800	-43.55	4.07	-25.0	-18.55	253.00	Vertical	Vertical	N/A
6992.200	-40.51	13.92	-25.0	-15.51	134.00	Vertical	Vertical	Pass
18090.099	-46.58	10.52	-25.0	-21.58	213.00	Vertical	Vertical	Pass

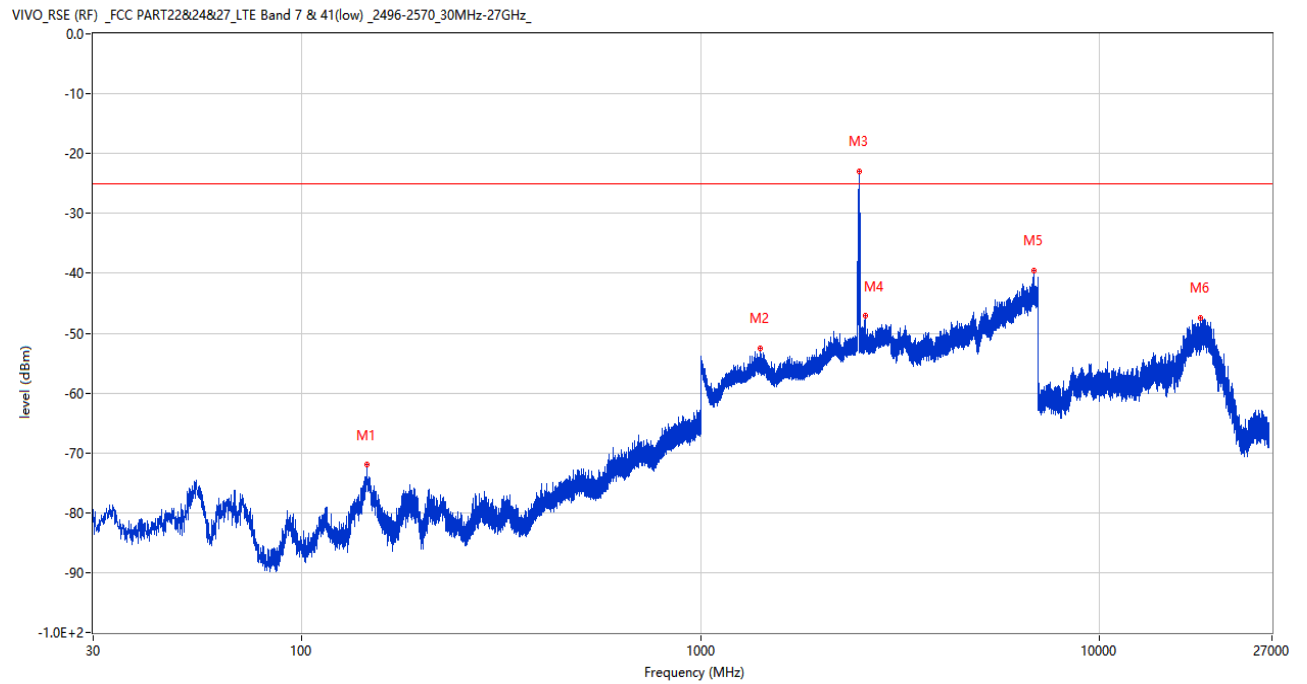
34.2 CA_41C 20MHz+5MHz, 16-QAM, Low Channel

RSE-H&H PCC 39750 BW20 16QAM RB1 HIGH SCC 39867 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
284.431	-72.46	-11.86	-25.0	-47.46	299.00	Horizontal	Horizontal	Pass
1361.200	-52.96	-2.16	-25.0	-27.96	63.00	Horizontal	Horizontal	Pass
2487.700	-14.76	3.07	-25.0	10.24	84.00	Horizontal	Horizontal	N/A
2985.800	-47.84	5.03	-25.0	-22.84	84.00	Horizontal	Horizontal	Pass
6843.400	-40.38	12.41	-25.0	-15.38	106.00	Horizontal	Horizontal	Pass
18110.501	-46.38	10.48	-25.0	-21.38	142.00	Horizontal	Horizontal	Pass

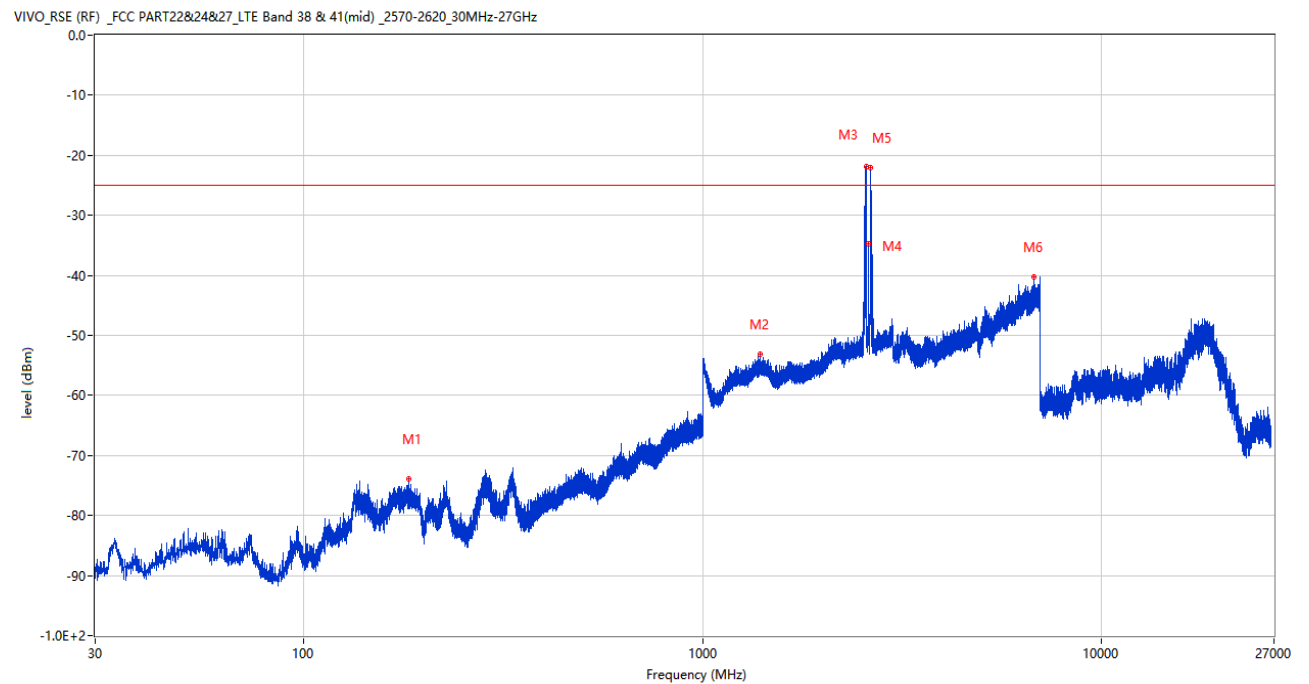
RSE-V&V PCC 39750 BW20 16QAM RB1 HIGH SCC 39867 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.672	-72.02	-15.22	-25.0	-47.02	307.00	Vertical	Vertical	Pass
1406.300	-52.52	-1.90	-25.0	-27.52	51.00	Vertical	Vertical	Pass
2489.400	-22.89	3.09	-25.0	2.11	238.00	Vertical	Vertical	N/A
2585.300	-47.08	2.81	-25.0	-22.08	307.00	Vertical	Vertical	N/A
6823.600	-39.57	12.99	-25.0	-14.57	332.00	Vertical	Vertical	Pass
17863.238	-47.42	10.33	-25.0	-22.42	4.00	Vertical	Vertical	Pass

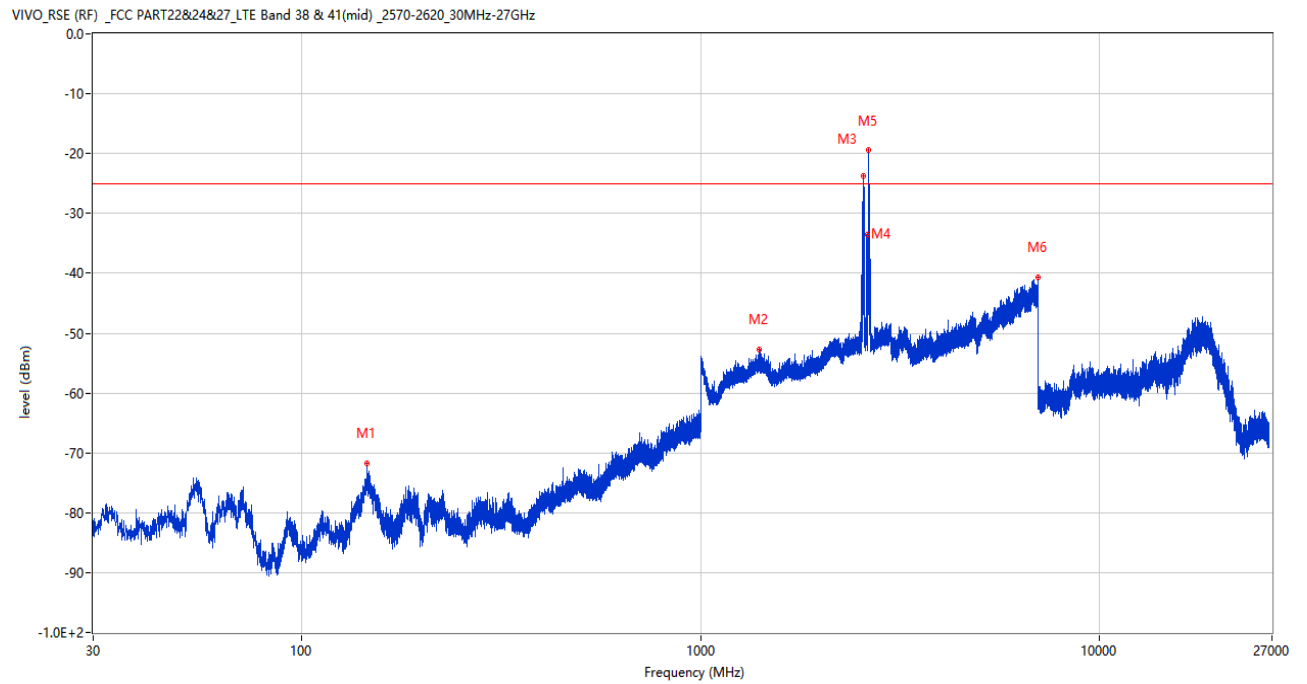
34.3 CA_41C 20MHz+5MHz, QPSK, Middle Channel

RSE-H&H PCC 40595 BW20 QPSK RB1 HIGH SCC 40712 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
183.018	-73.96	-14.86	-25.0	-48.96	54.00	Horizontal	Horizontal	Pass
1393.600	-53.11	-1.78	-25.0	-28.11	109.00	Horizontal	Horizontal	Pass
2563.500	-21.81	6.00	-25.0	3.19	67.00	Horizontal	Horizontal	N/A
2599.600	-34.76	4.51	-25.0	-9.76	101.00	Horizontal	Horizontal	N/A
2633.200	-22.07	3.65	-25.0	2.93	279.00	Horizontal	Horizontal	N/A
6771.600	-40.34	12.68	-25.0	-15.34	39.00	Horizontal	Horizontal	Pass

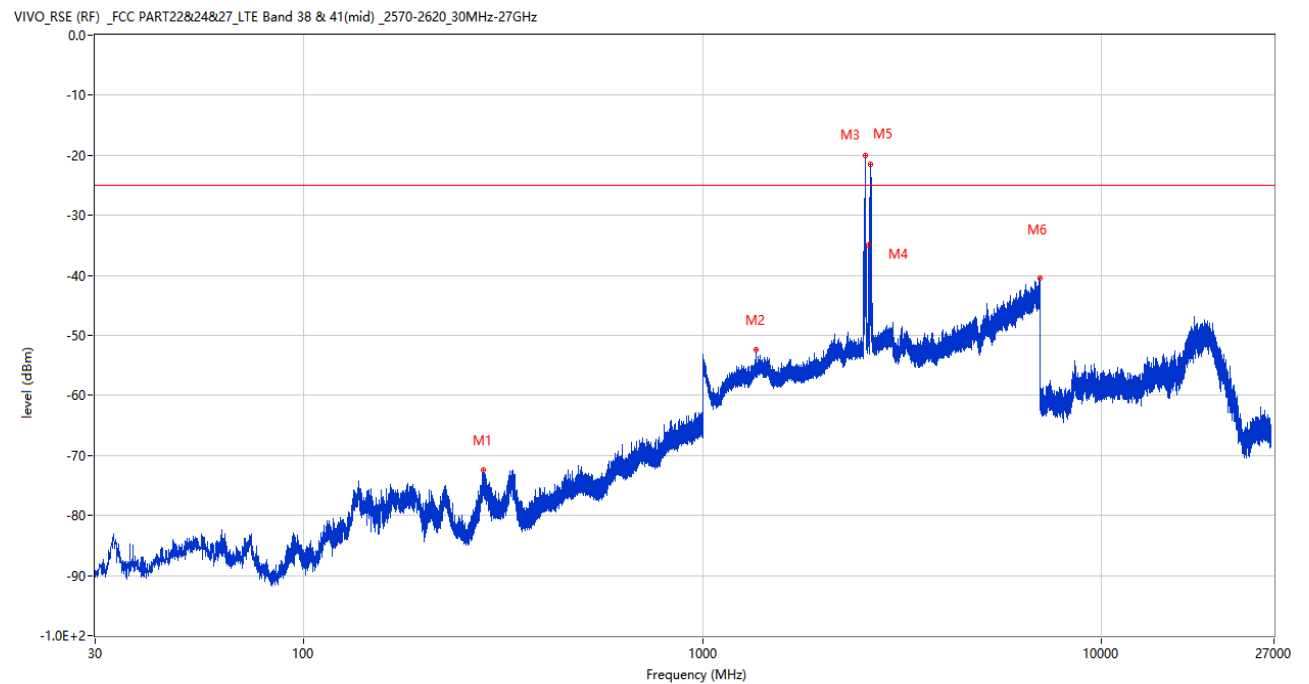
RSE-V&V PCC 40595 BW20 QPSK RB1 HIGH SCC 40712 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.672	-71.83	-15.20	-25.0	-46.83	325.00	Vertical	Vertical	Pass
1400.000	-52.71	-1.75	-25.0	-27.71	115.00	Vertical	Vertical	Pass
2559.400	-23.72	3.48	-25.0	1.28	307.00	Vertical	Vertical	N/A
2623.200	-33.59	3.75	-25.0	-8.59	74.00	Vertical	Vertical	N/A
2626.500	-19.47	3.64	-25.0	5.53	219.00	Vertical	Vertical	N/A
6998.600	-40.75	13.94	-25.0	-15.75	30.00	Vertical	Vertical	Pass

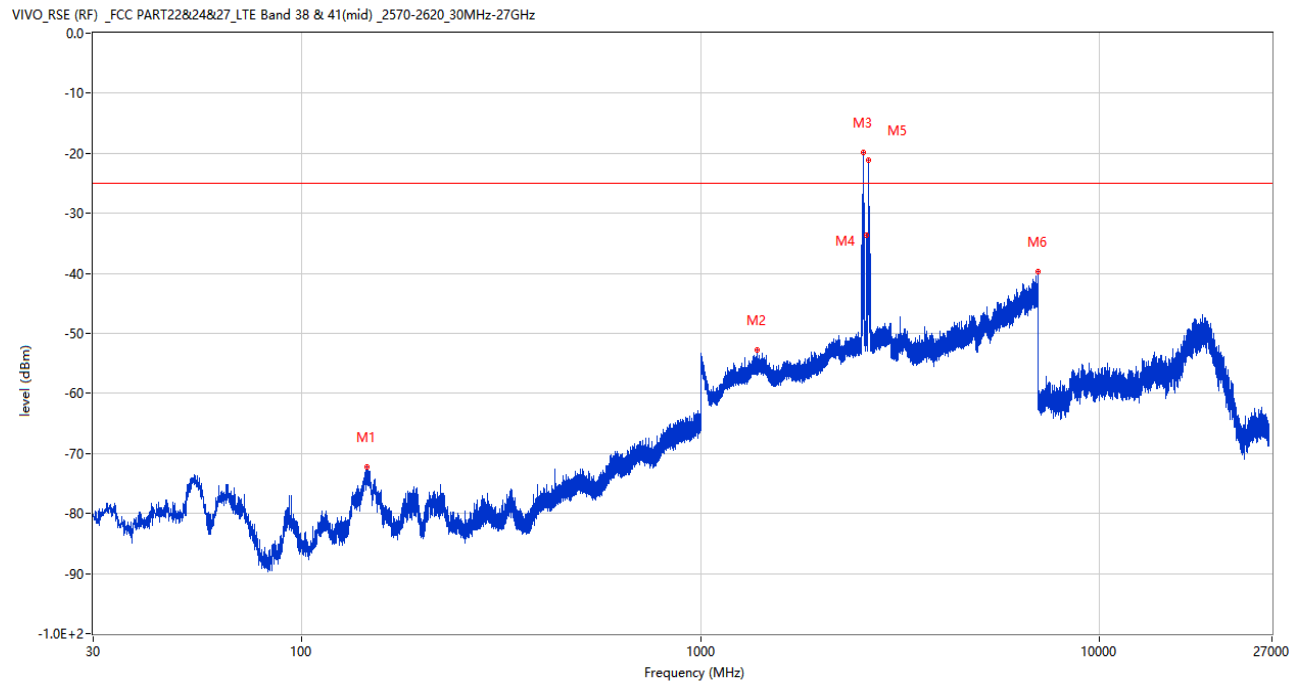
34.4 CA_41C 20MHz+5MHz, 16-QAM, Middle Channel

RSE-H&H PCC 40595 BW20 16QAM RB1 HIGH SCC 40712 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
282.394	-72.36	-12.08	-25.0	-47.36	294.00	Horizontal	Horizontal	Pass
1362.300	-52.43	-2.07	-25.0	-27.43	121.00	Horizontal	Horizontal	Pass
2556.700	-20.07	2.73	-25.0	4.93	78.00	Horizontal	Horizontal	N/A
2599.400	-34.89	4.52	-25.0	-9.89	95.00	Horizontal	Horizontal	N/A
2626.900	-21.54	3.61	-25.0	3.46	95.00	Horizontal	Horizontal	N/A
6992.600	-40.36	13.92	-25.0	-15.36	173.00	Horizontal	Horizontal	Pass

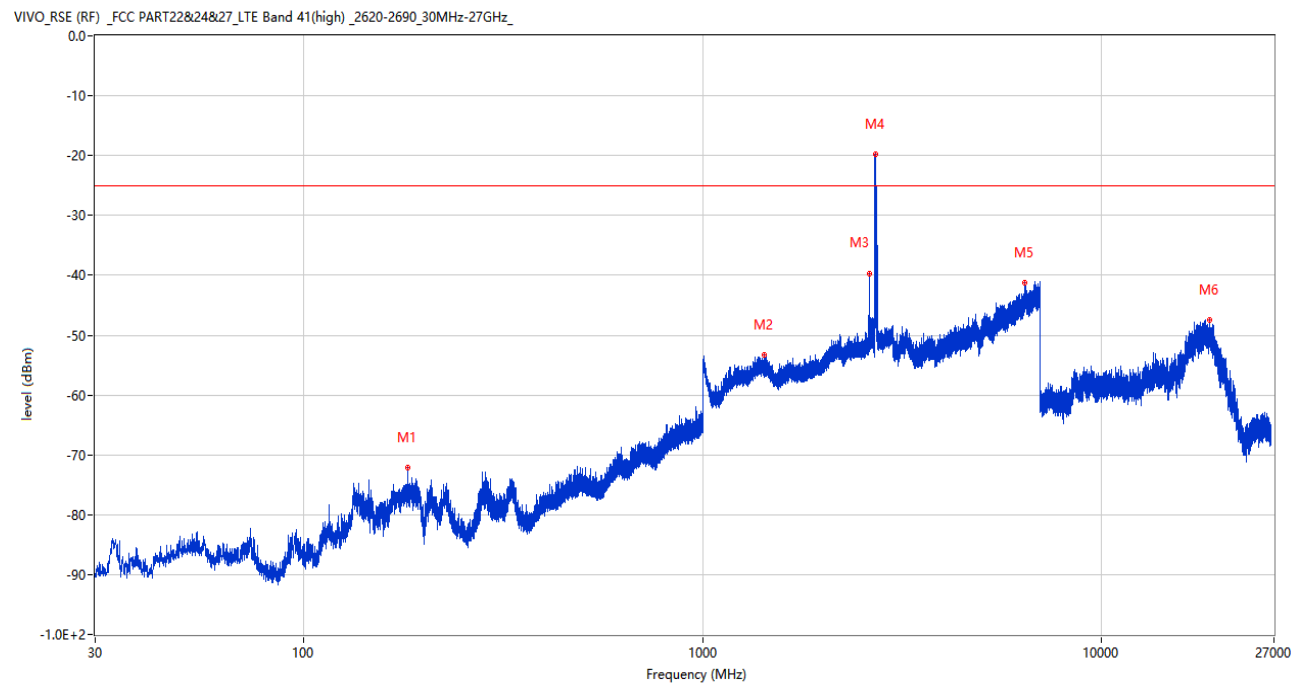
RSE-V&V PCC 40595 BW20 16QAM RB1 HIGH SCC 40712 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-72.33	-15.20	-25.0	-47.33	360.00	Vertical	Vertical	Pass
1387.600	-52.84	-1.96	-25.0	-27.84	272.00	Vertical	Vertical	Pass
2561.200	-19.89	4.48	-25.0	5.11	254.00	Vertical	Vertical	N/A
2599.700	-33.68	4.51	-25.0	-8.68	308.00	Vertical	Vertical	N/A
2632.900	-21.17	3.67	-25.0	3.83	308.00	Vertical	Vertical	N/A
6999.000	-39.68	13.93	-25.0	-14.68	35.00	Vertical	Vertical	Pass

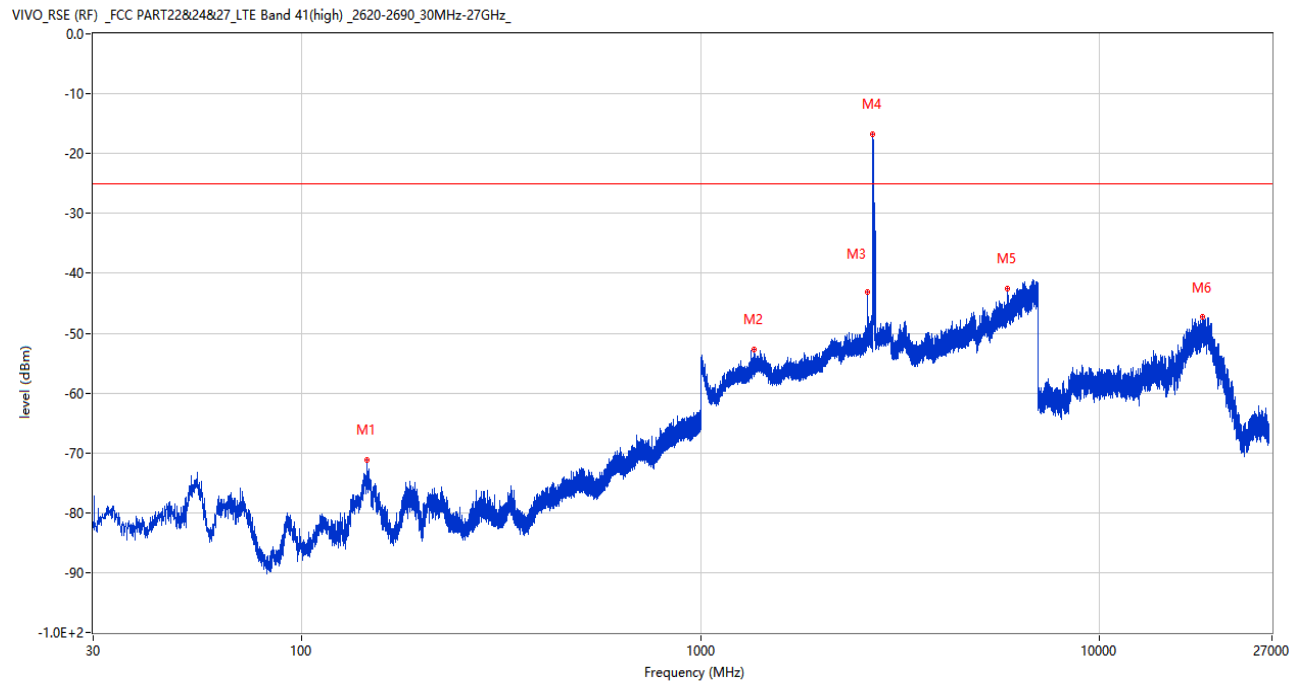
34.5 CA_41C 20MHz+5MHz, QPSK, High Channel

RSE-H&H PCC 41440 BW20 QPSK RB1 HIGH SCC 41557 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
182.048	-72.13	-14.73	-25.0	-47.13	26.00	Horizontal	Horizontal	Pass
1424.800	-53.27	-1.83	-25.0	-28.27	83.00	Horizontal	Horizontal	Pass
2615.100	-39.79	5.50	-25.0	-14.79	108.00	Horizontal	Horizontal	N/A
2702.800	-19.69	4.03	-25.0	5.31	311.00	Horizontal	Horizontal	N/A
6426.000	-41.21	11.70	-25.0	-16.21	54.00	Horizontal	Horizontal	Pass
18602.224	-47.40	9.51	-25.0	-22.40	127.00	Horizontal	Horizontal	Pass

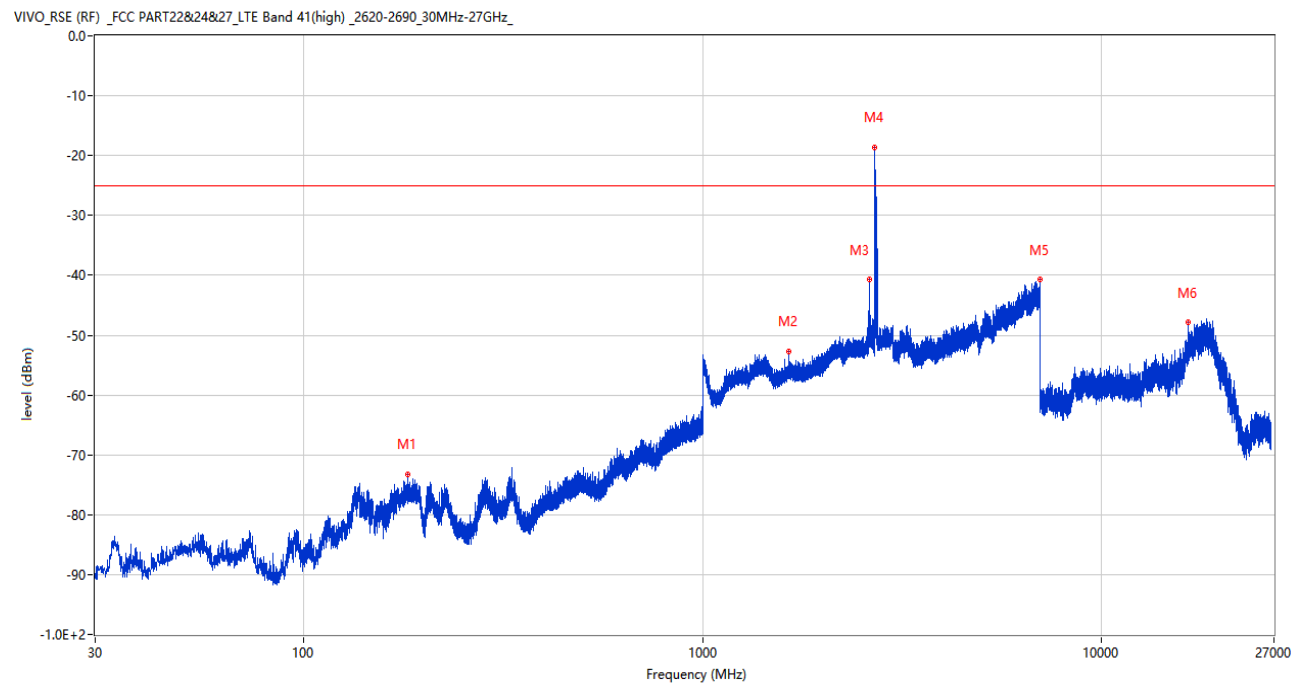
RSE-V&V PCC 41440 BW20 QPSK RB1 HIGH SCC 41557 BW5 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.672	-71.22	-15.21	-25.0	-46.22	0.00	Vertical	Vertical	Pass
1356.800	-52.74	-2.14	-25.0	-27.74	262.00	Vertical	Vertical	Pass
2613.800	-43.15	5.39	-25.0	-18.15	95.00	Vertical	Vertical	N/A
2700.700	-16.73	4.30	-25.0	8.27	308.00	Vertical	Vertical	N/A
5873.200	-42.63	9.65	-25.0	-17.63	197.00	Vertical	Vertical	Pass
18063.749	-47.31	10.57	-25.0	-22.31	93.00	Vertical	Vertical	Pass

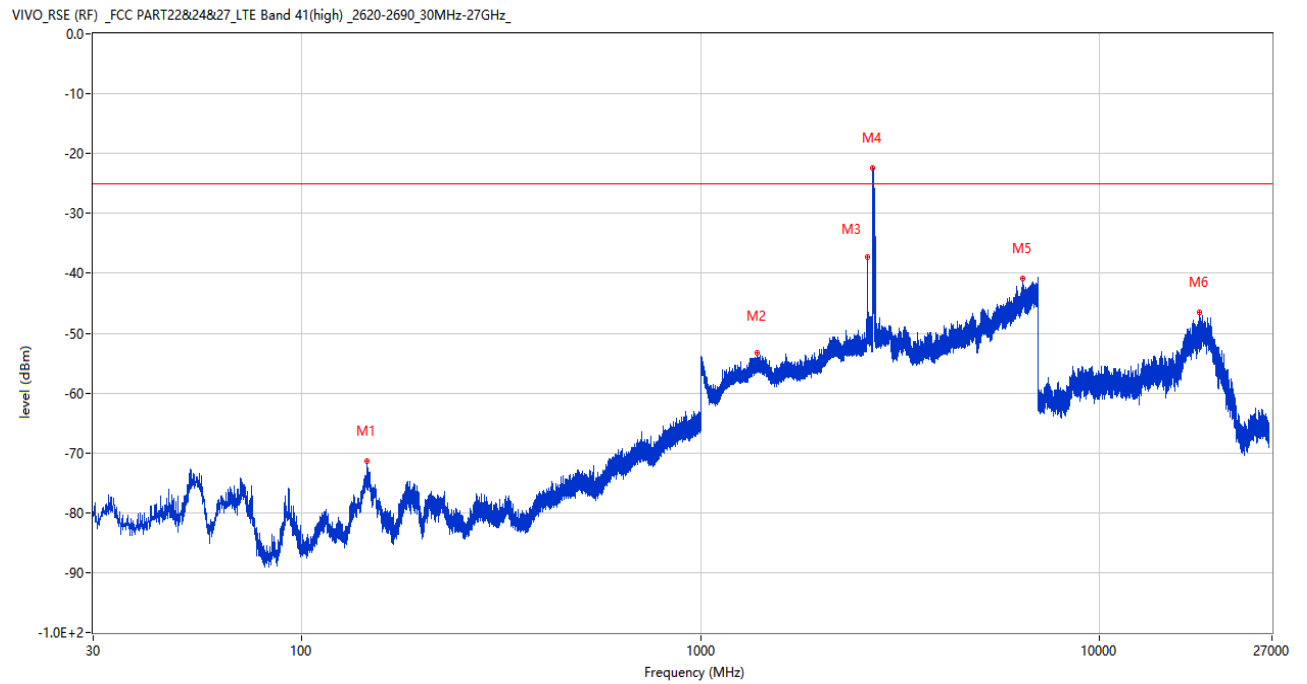
34.6 CA_41C 20MHz+5MHz, 16-QAM, High Channel

RSE-H&H PCC 41440 BW20 16QAM RB1 HIGH SCC 41557 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
181.950	-73.30	-14.72	-25.0	-48.30	17.00	Horizontal	Horizontal	Pass
1639.500	-52.74	-2.65	-25.0	-27.74	54.00	Horizontal	Horizontal	Pass
2613.800	-40.67	5.39	-25.0	-15.67	103.00	Horizontal	Horizontal	N/A
2696.500	-18.65	4.70	-25.0	6.35	78.00	Horizontal	Horizontal	N/A
6999.600	-40.62	13.92	-25.0	-15.62	253.00	Horizontal	Horizontal	Pass
16458.599	-47.87	7.96	-25.0	-22.87	117.00	Horizontal	Horizontal	Pass

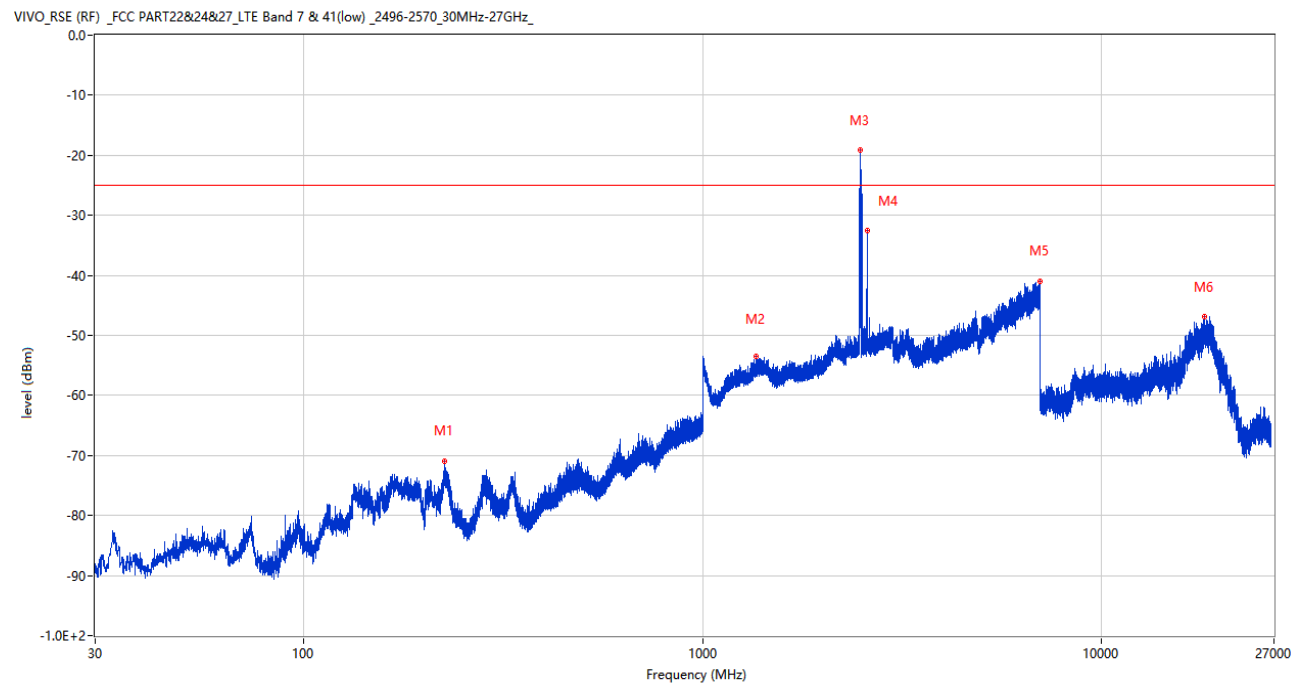
RSE-H&V PCC 41440 BW20 16QAM RB1 HIGH SCC 41557 BW5 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-71.29	-15.20	-25.0	-46.29	332.00	Vertical	Vertical	Pass
1380.500	-53.29	-1.86	-25.0	-28.29	29.00	Vertical	Vertical	Pass
2615.600	-37.26	5.50	-25.0	-12.26	222.00	Vertical	Vertical	N/A
2698.200	-22.33	4.68	-25.0	2.67	95.00	Vertical	Vertical	N/A
6390.800	-40.87	11.32	-25.0	-15.87	75.00	Vertical	Vertical	Pass
17811.788	-46.56	9.92	-25.0	-21.56	157.00	Vertical	Vertical	Pass

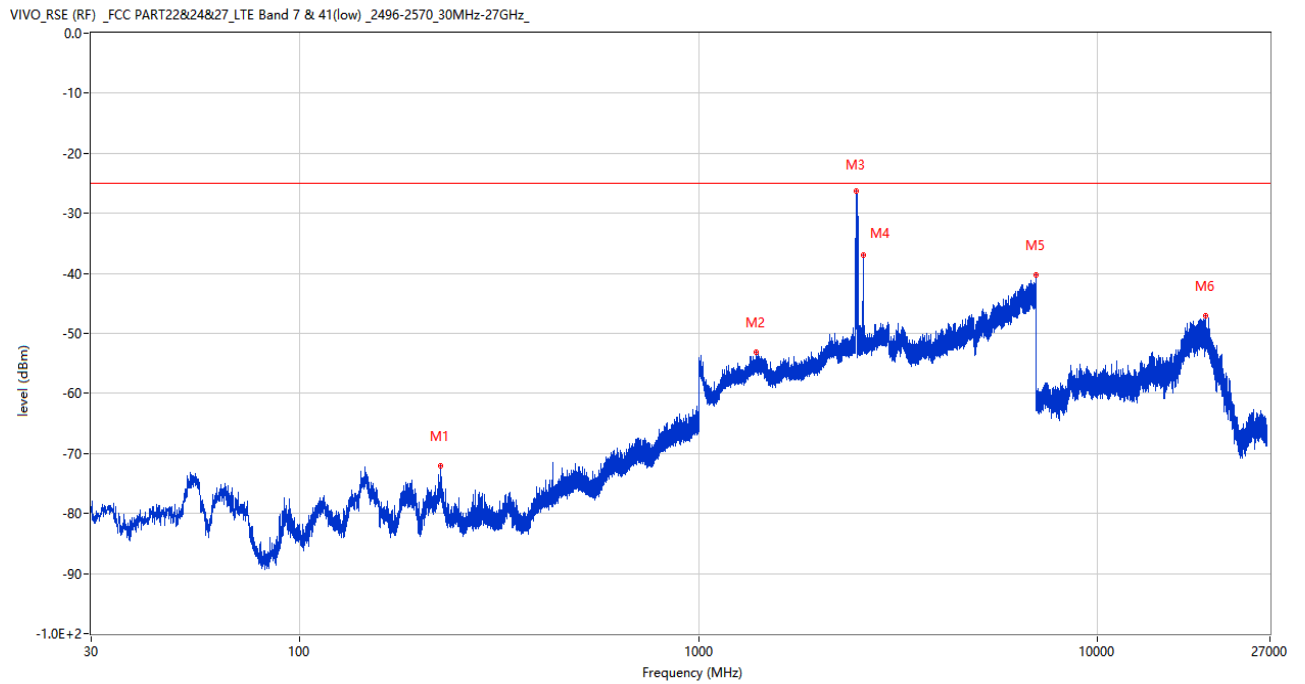
34.7 CA_41C 20MHz+20MHz, QPSK, Low Channel

RSE-H&H PCC 39750 BW20 QPSK RB1 HIGH SCC 39948 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
224.921	-71.03	-13.85	-25.0	-46.03	56.00	Horizontal	Horizontal	Pass
1357.500	-53.55	-2.22	-25.0	-28.55	213.00	Horizontal	Horizontal	Pass
2479.900	-19.08	2.18	-25.0	5.92	72.00	Horizontal	Horizontal	N/A
2577.900	-32.53	4.08	-25.0	-7.53	82.00	Horizontal	Horizontal	N/A
6989.400	-40.92	13.77	-25.0	-15.92	108.00	Horizontal	Horizontal	Pass
18090.525	-46.85	10.52	-25.0	-21.85	0.00	Horizontal	Horizontal	Pass

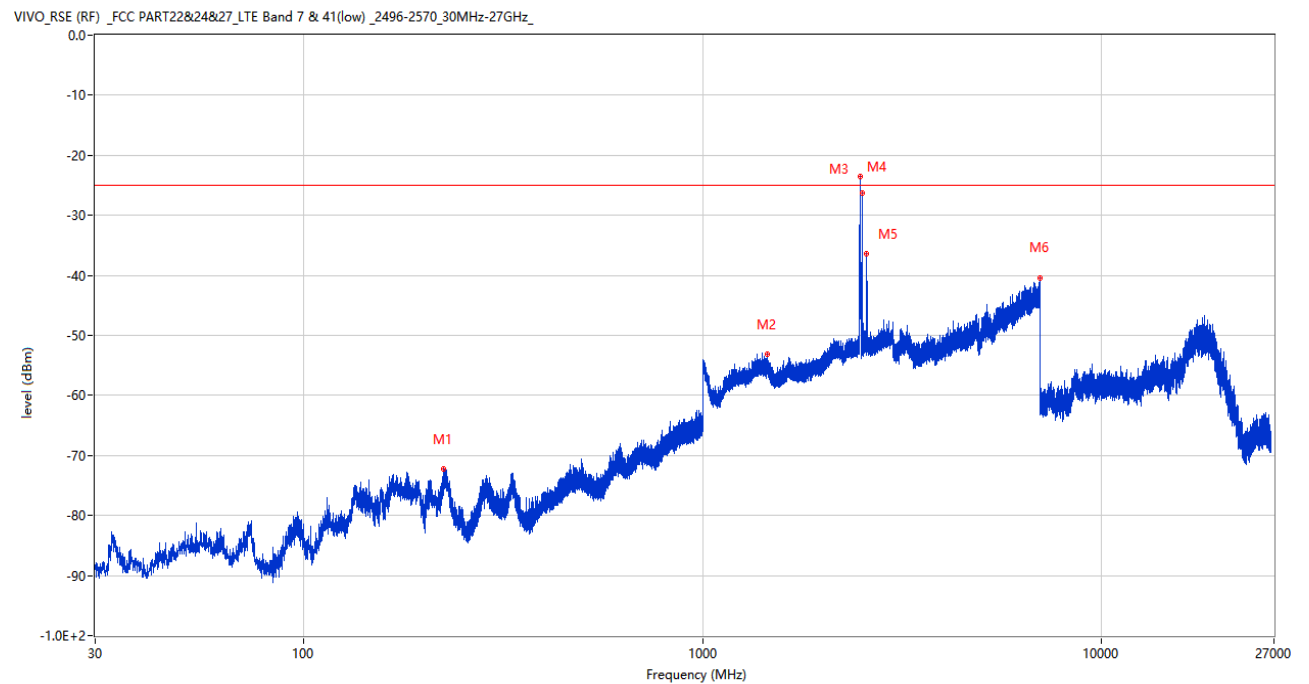
RSE-V&V PCC 39750 BW20 QPSK RB1 HIGH SCC 39948 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
225.843	-72.13	-13.75	-25.0	-47.13	145.00	Vertical	Vertical	Pass
1391.400	-53.19	-1.73	-25.0	-28.19	216.00	Vertical	Vertical	Pass
2486.900	-26.20	3.06	-25.0	-1.20	206.00	Vertical	Vertical	N/A
2579.500	-37.03	3.89	-25.0	-12.03	246.00	Vertical	Vertical	N/A
6997.800	-40.32	13.96	-25.0	-15.32	231.00	Vertical	Vertical	Pass
18629.849	-47.15	9.45	-25.0	-22.15	294.00	Vertical	Vertical	Pass

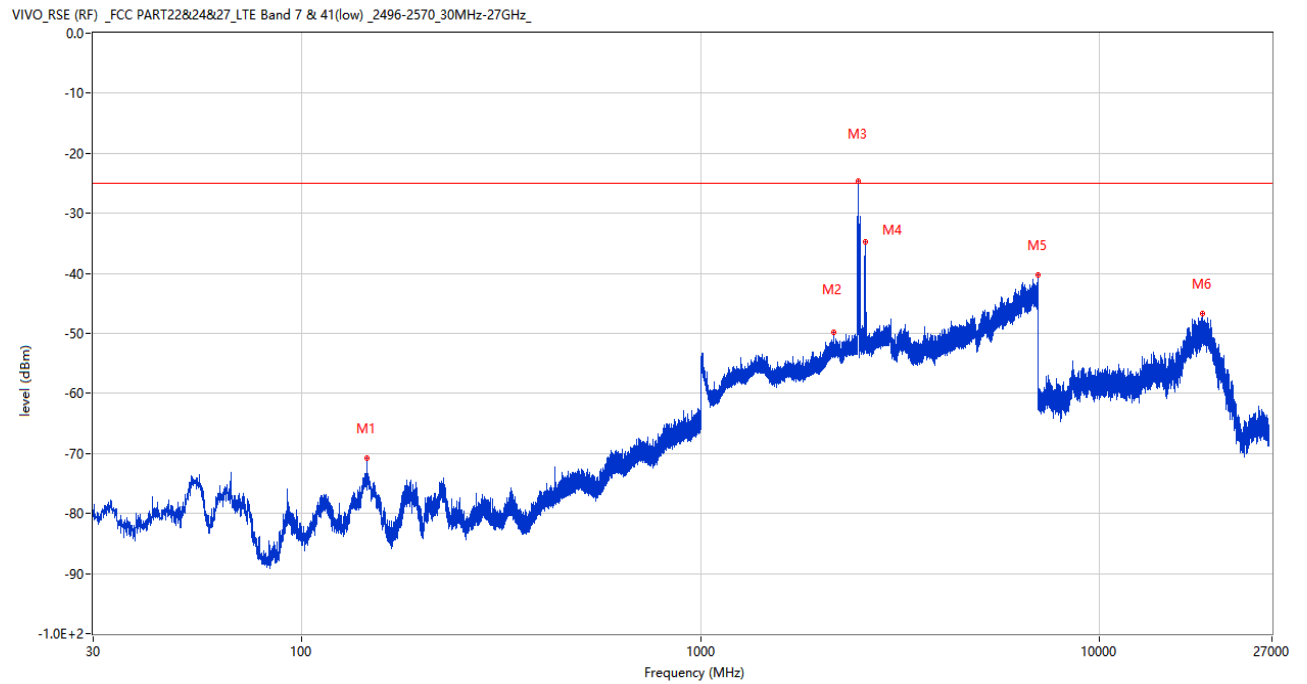
34.8 CA_41C 20MHz+20MHz, 16-QAM, Low Channel

RSE-H&H PCC 39750 BW20 16QAM RB1 HIGH SCC 39948 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
223.661	-72.22	-14.02	-25.0	-47.22	60.00	Horizontal	Horizontal	Pass
1452.800	-53.21	-2.13	-25.0	-28.21	0.00	Horizontal	Horizontal	Pass
2481.400	-23.59	2.41	-25.0	1.41	69.00	Horizontal	Horizontal	N/A
2515.200	-26.28	3.38	-25.0	-1.28	80.00	Horizontal	Horizontal	N/A
2575.900	-36.33	4.07	-25.0	-11.33	80.00	Horizontal	Horizontal	N/A
6989.600	-40.49	13.78	-25.0	-15.49	272.00	Horizontal	Horizontal	Pass

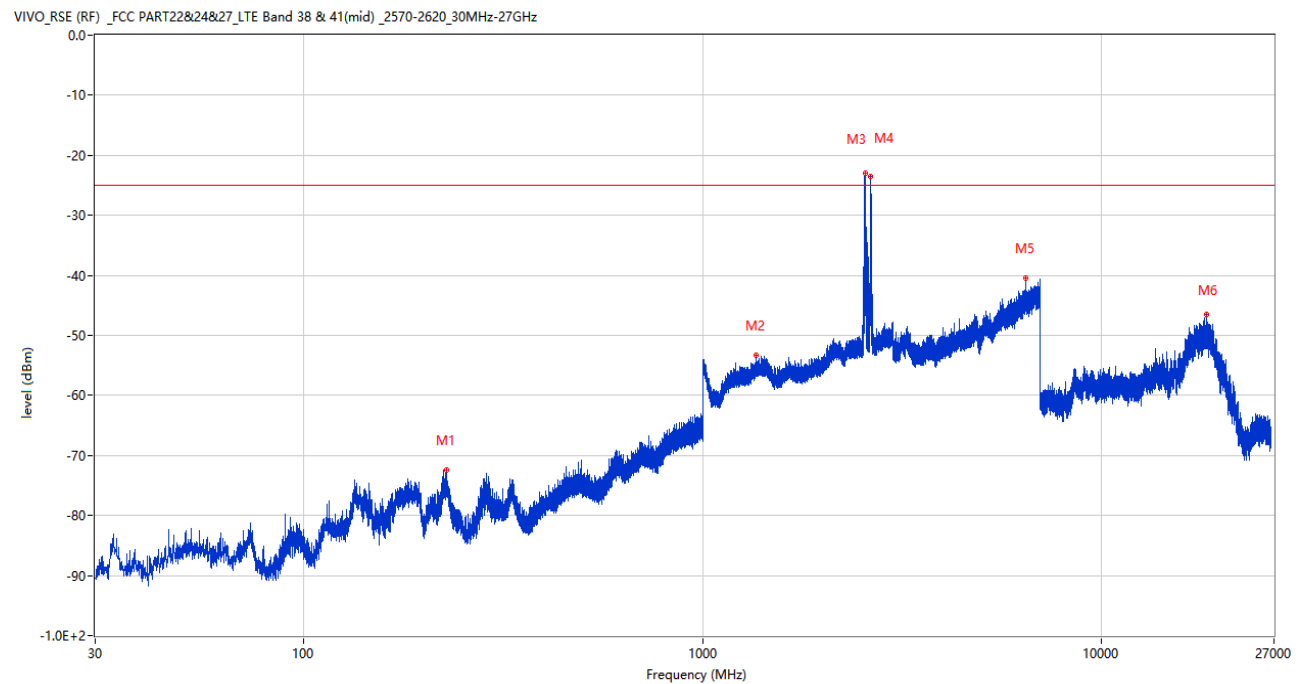
RSE-V&V PCC 39750 BW20 16QAM RB1 HIGH SCC 39948 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-70.84	-15.21	-25.0	-45.84	326.00	Vertical	Vertical	Pass
2153.000	-49.81	0.87	-25.0	-24.81	191.00	Vertical	Vertical	Pass
2483.700	-24.67	2.72	-25.0	0.33	212.00	Vertical	Vertical	N/A
2578.800	-34.73	3.98	-25.0	-9.73	212.00	Vertical	Vertical	N/A
6984.000	-40.27	13.59	-25.0	-15.27	125.00	Vertical	Vertical	Pass
18110.501	-46.64	10.48	-25.0	-21.64	187.00	Vertical	Vertical	Pass

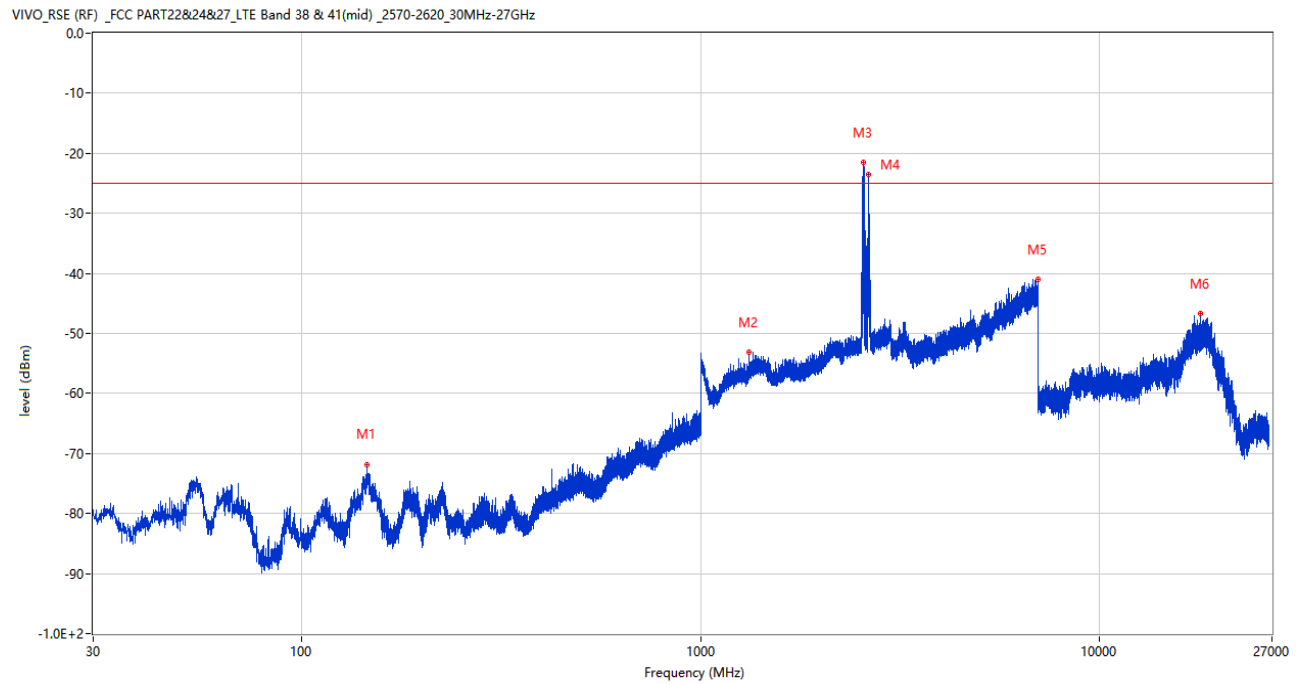
34.9 CA_41C 20MHz+20MHz, QPSK, Middle Channel

RSE-H&H PCC 40521 BW20 QPSK RB1 HIGH SCC 40719 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
228.316	-72.51	-13.52	-25.0	-47.51	56.00	Horizontal	Horizontal	Pass
1358.900	-53.39	-2.21	-25.0	-28.39	238.00	Horizontal	Horizontal	Pass
2560.000	-22.95	3.77	-25.0	2.05	295.00	Horizontal	Horizontal	N/A
2633.700	-23.57	3.56	-25.0	1.43	78.00	Horizontal	Horizontal	N/A
6447.000	-40.52	12.61	-25.0	-15.52	307.00	Horizontal	Horizontal	Pass
18310.676	-46.57	10.09	-25.0	-21.57	282.00	Horizontal	Horizontal	Pass

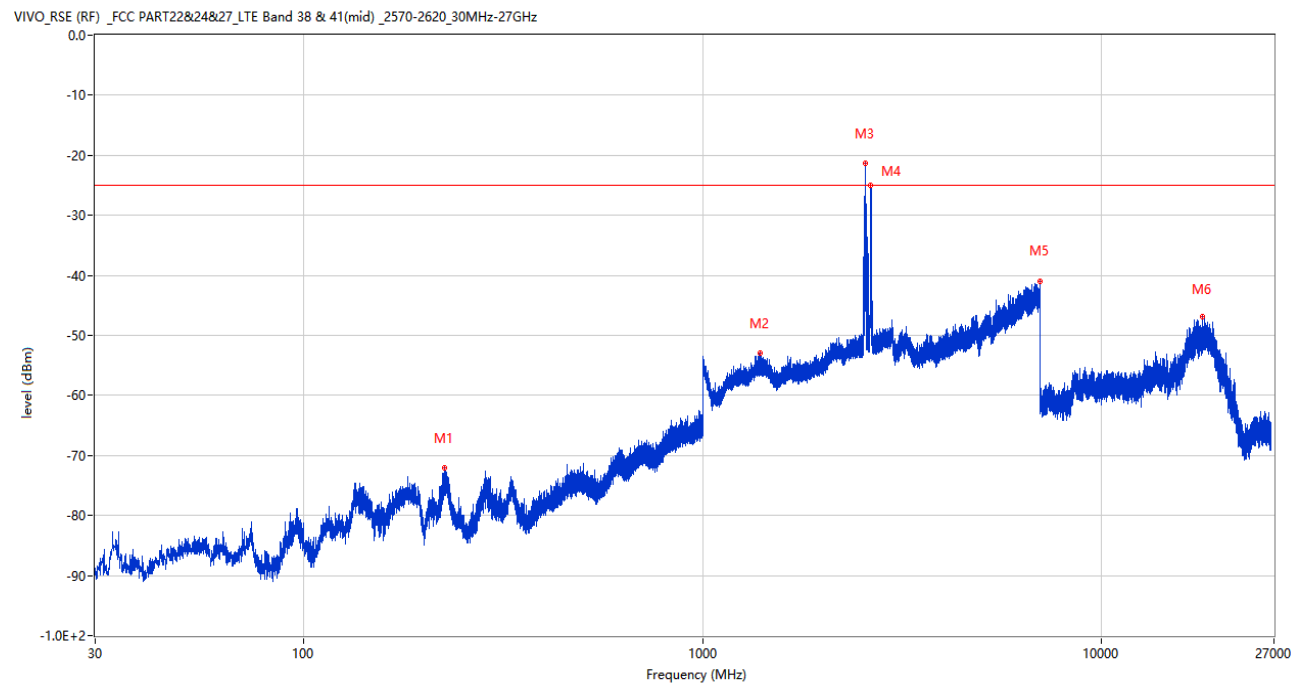
RSE-V&V PCC 40521 BW20 QPSK RB1 HIGH SCC 40719 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.624	-71.85	-15.20	-25.0	-46.85	250.00	Vertical	Vertical	Pass
1322.800	-53.10	-2.97	-25.0	-28.10	330.00	Vertical	Vertical	Pass
2561.000	-21.51	4.31	-25.0	3.49	308.00	Vertical	Vertical	N/A
2632.700	-23.44	3.67	-25.0	1.56	308.00	Vertical	Vertical	N/A
6992.400	-40.98	13.92	-25.0	-15.98	30.00	Vertical	Vertical	Pass
17846.962	-46.74	10.47	-25.0	-21.74	106.00	Vertical	Vertical	Pass

34.10 CA_41C 20MHz+20MHz, 16-QAM, Middle Channel

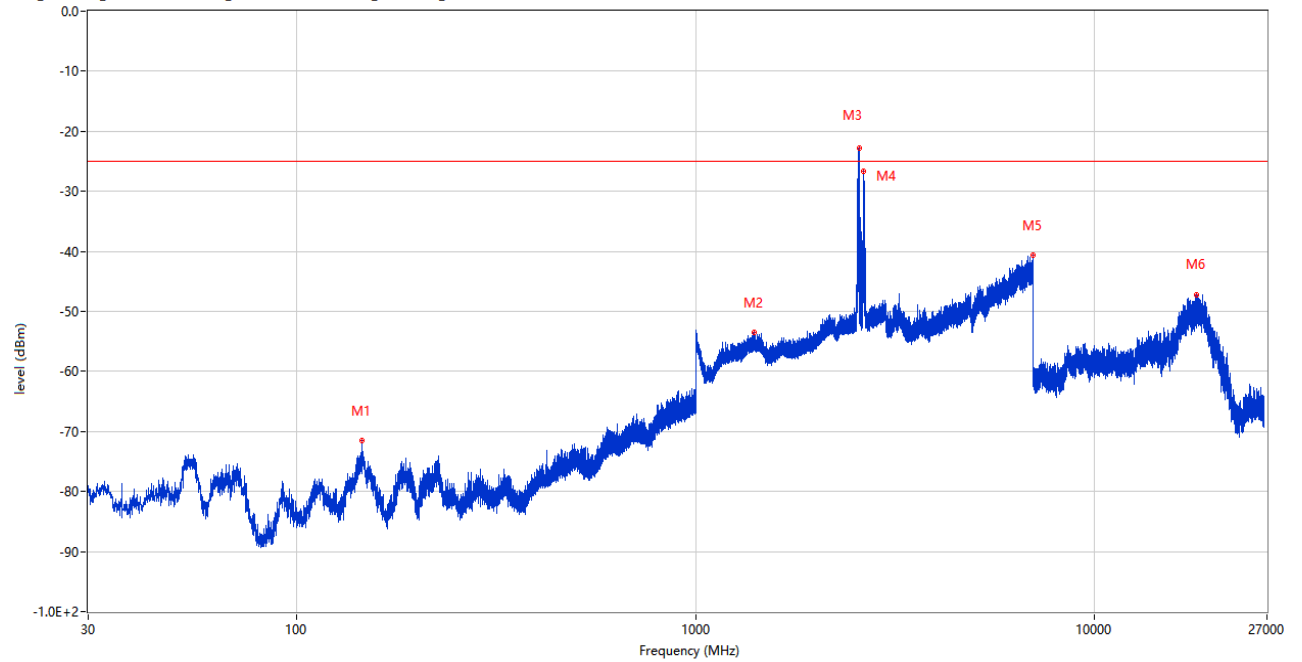
RSE-H&H PCC 40521 BW20 16QAM RB1 HIGH SCC 40719 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
225.067	-72.12	-13.79	-25.0	-47.12	86.00	Horizontal	Horizontal	Pass
1389.800	-53.02	-1.97	-25.0	-28.02	11.00	Horizontal	Horizontal	Pass
2551.700	-21.36	3.38	-25.0	3.64	82.00	Horizontal	Horizontal	N/A
2632.400	-24.94	3.66	-25.0	0.06	71.00	Horizontal	Horizontal	N/A
6993.600	-40.95	13.91	-25.0	-15.95	304.00	Horizontal	Horizontal	Pass
17859.824	-46.83	10.44	-25.0	-21.83	213.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 40521 BW20 16QAM RB1 HIGH SCC 40719 BW20 16QAM RB1 LOW

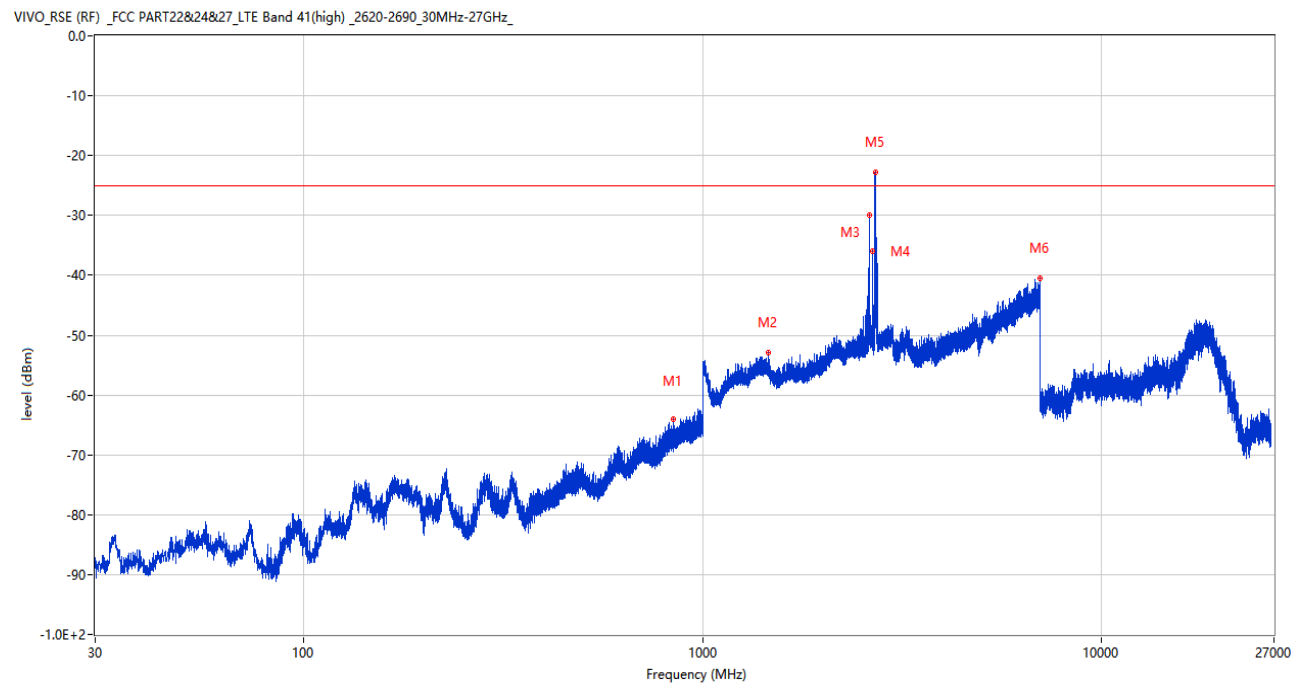
VIVO_RSE (RF) _FCC PART22&24&27_LTE Band 38 & 41(mid) _2570-2620_30MHz-27GHz



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-71.48	-15.19	-25.0	-46.48	346.00	Vertical	Vertical	Pass
1398.500	-53.47	-1.84	-25.0	-28.47	351.00	Vertical	Vertical	Pass
2562.500	-22.86	5.62	-25.0	2.14	0.00	Vertical	Vertical	N/A
2635.900	-26.59	3.12	-25.0	-1.59	254.00	Vertical	Vertical	N/A
6990.600	-40.65	13.86	-25.0	-15.65	168.00	Vertical	Vertical	Pass
17969.287	-47.15	10.36	-25.0	-22.15	191.00	Vertical	Vertical	Pass

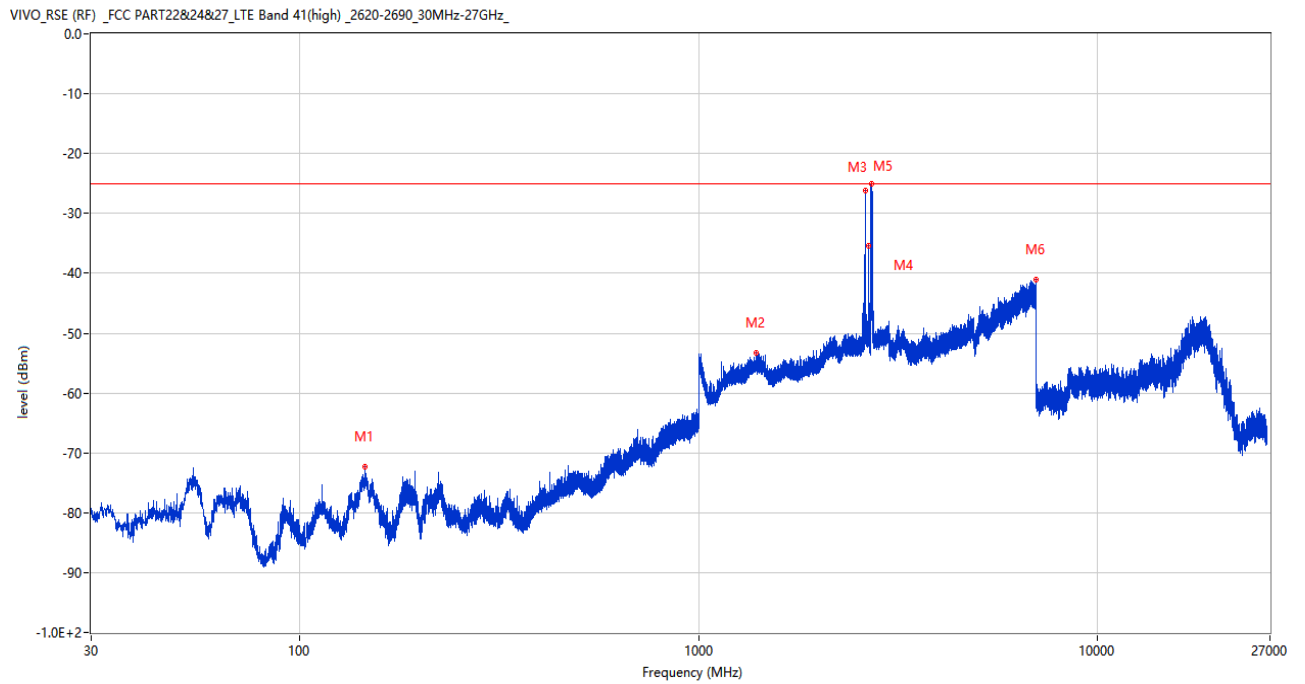
34.11 CA_41C 20MHz+20MHz, QPSK, High Channel

RSE-H&H PCC 41292 BW20 QPSK RB1 HIGH SCC 41490 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
844.412	-63.95	2.67	-25.0	-38.95	181.00	Horizontal	Horizontal	Pass
1460.100	-52.83	-2.46	-25.0	-27.83	145.00	Horizontal	Horizontal	Pass
2609.100	-29.91	3.36	-25.0	-4.91	276.00	Horizontal	Horizontal	N/A
2669.300	-36.01	5.12	-25.0	-11.01	276.00	Horizontal	Horizontal	N/A
2702.200	-22.81	4.10	-25.0	2.19	149.00	Horizontal	Horizontal	N/A
6981.400	-40.55	13.52	-25.0	-15.55	161.00	Horizontal	Horizontal	Pass

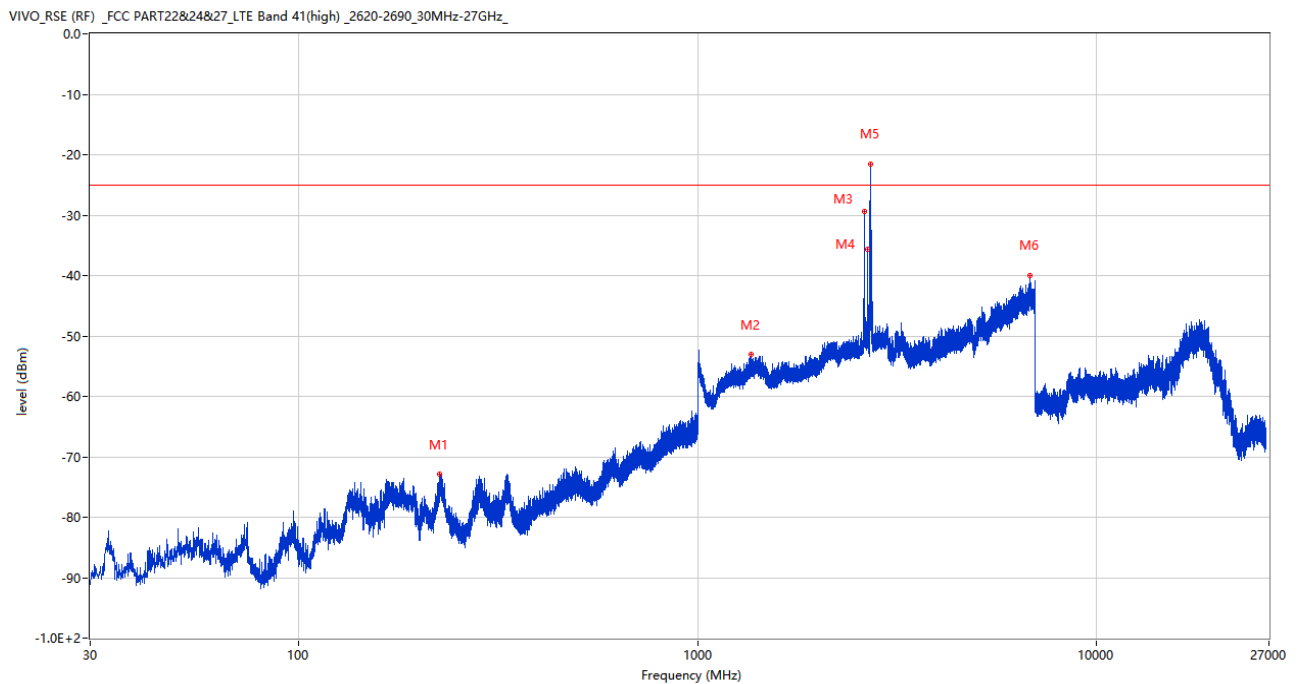
RSE-V&V PCC 41292 BW20 QPSK RB1 HIGH SCC 41490 BW20 QPSK RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.478	-72.31	-15.19	-25.0	-47.31	350.00	Vertical	Vertical	Pass
1394.300	-53.21	-1.75	-25.0	-28.21	323.00	Vertical	Vertical	Pass
2615.700	-26.20	5.50	-25.0	-1.20	241.00	Vertical	Vertical	N/A
2669.400	-35.48	5.12	-25.0	-10.48	222.00	Vertical	Vertical	N/A
2710.000	-25.14	3.99	-25.0	-0.14	260.00	Vertical	Vertical	N/A
6988.400	-41.00	13.70	-25.0	-16.00	319.00	Vertical	Vertical	Pass

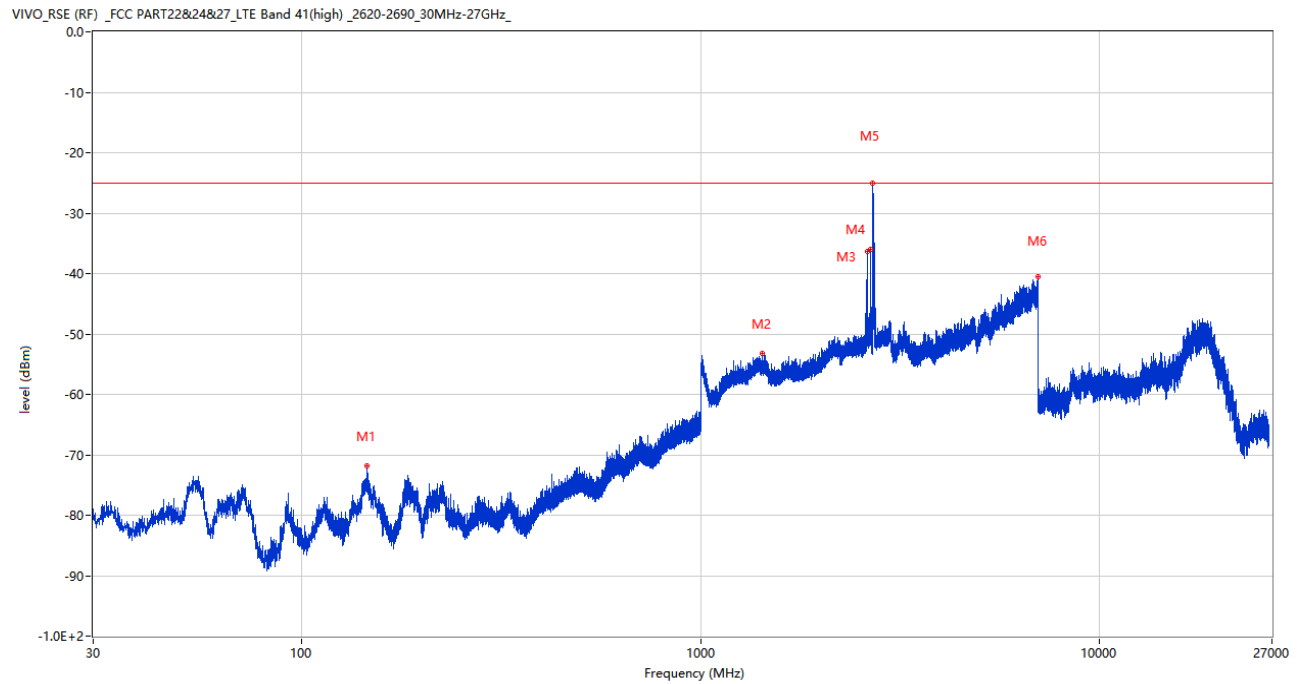
34.12 CA_41C 20MHz+20MHz, 16-QAM, High Channel

RSE-H&H PCC 41292 BW20 16QAM RB1 HIGH SCC 41490 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit(dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
225.843	-72.88	-13.75	-25.0	-47.88	94.00	Horizontal	Horizontal	Pass
1355.700	-53.09	-2.17	-25.0	-28.09	297.00	Horizontal	Horizontal	Pass
2614.900	-29.32	5.50	-25.0	-4.32	308.00	Horizontal	Horizontal	N/A
2669.400	-35.72	5.12	-25.0	-10.72	264.00	Horizontal	Horizontal	N/A
2704.600	-21.53	3.91	-25.0	3.47	264.00	Horizontal	Horizontal	N/A
6802.400	-40.04	13.12	-25.0	-15.04	274.00	Horizontal	Horizontal	Pass

RSE-V&V PCC 41292 BW20 16QAM RB1 HIGH SCC 41490 BW20 16QAM RB1 LOW



Frequency (MHz)	Result (dBm)	Factor (dB)	PK Limit (dBm)	Over Limit (dB)	Table (o)	ANT	EUT	Verdict
145.576	-71.84	-15.20	-25.0	-46.84	321.00	Vertical	Vertical	Pass
1422.900	-53.27	-1.86	-25.0	-28.27	208.00	Vertical	Vertical	Pass
2611.500	-36.36	3.85	-25.0	-11.36	129.00	Vertical	Vertical	N/A
2669.300	-35.99	5.12	-25.0	-10.99	247.00	Vertical	Vertical	N/A
2698.800	-25.01	4.67	-25.0	-0.01	188.00	Vertical	Vertical	N/A
6990.800	-40.57	13.88	-25.0	-15.57	41.00	Vertical	Vertical	Pass