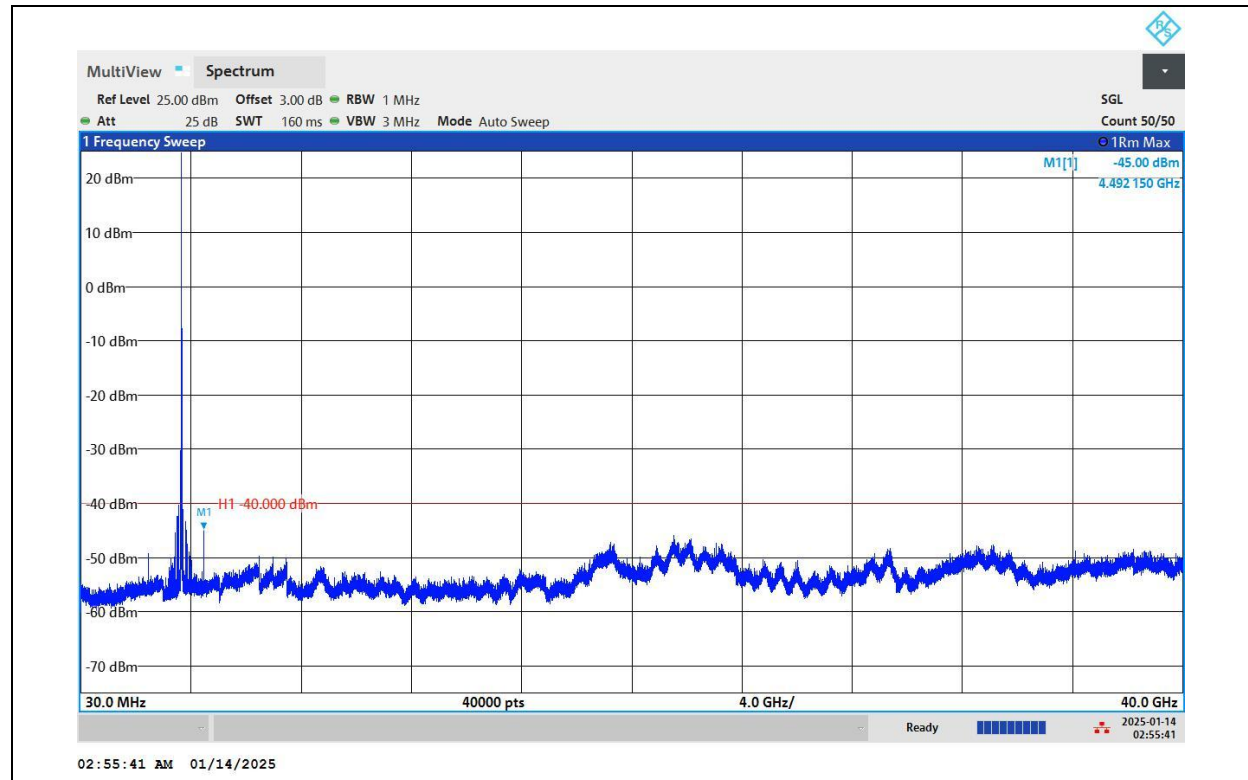
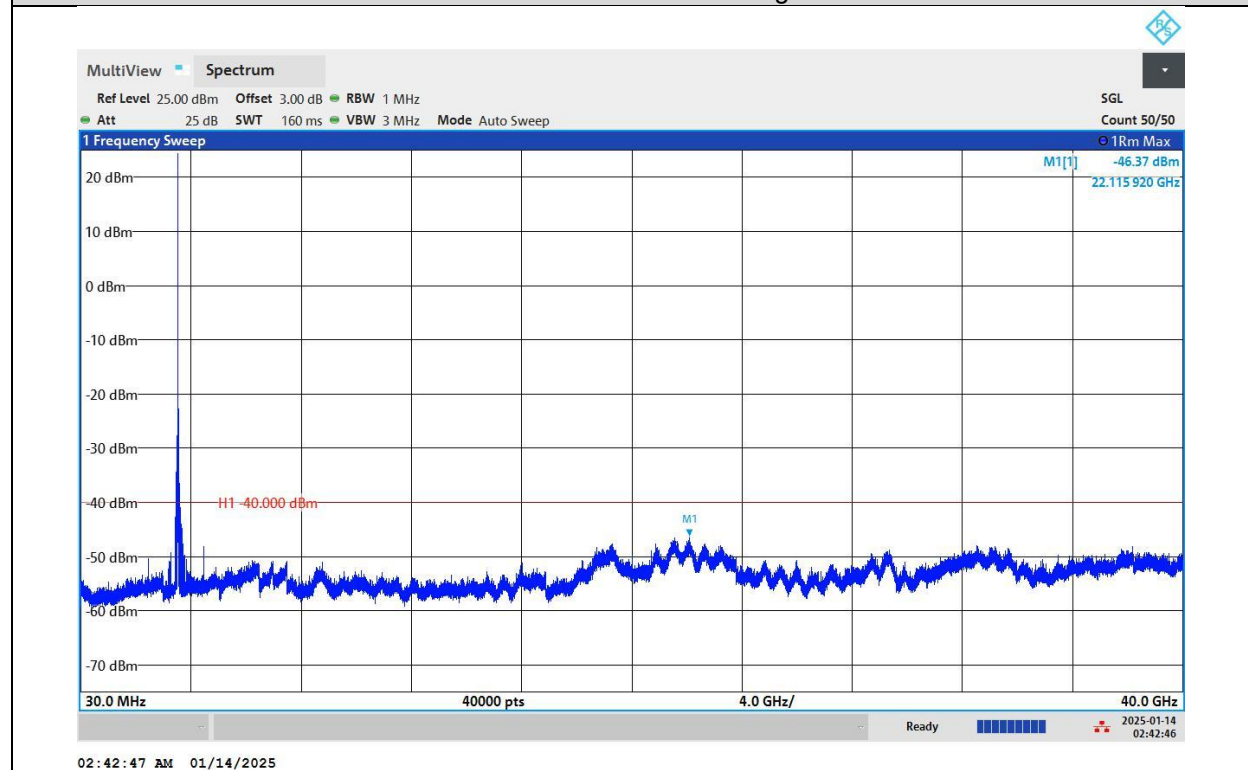
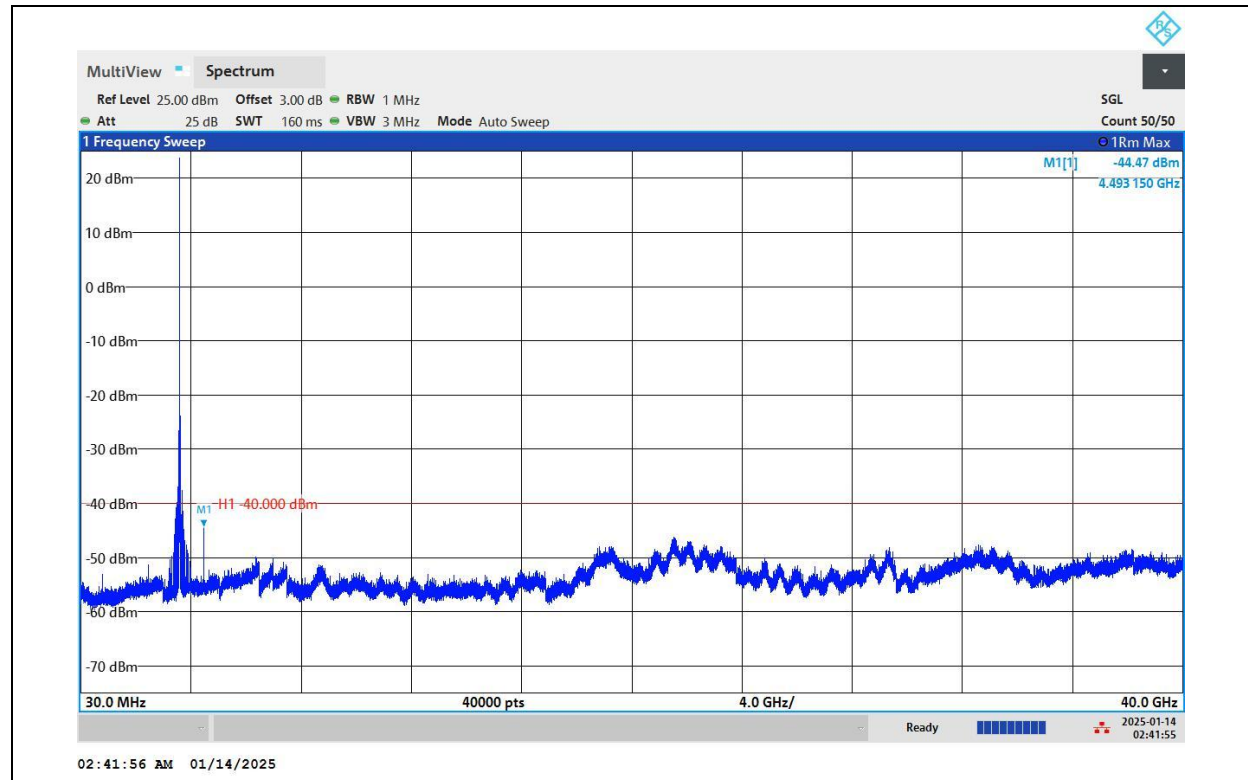




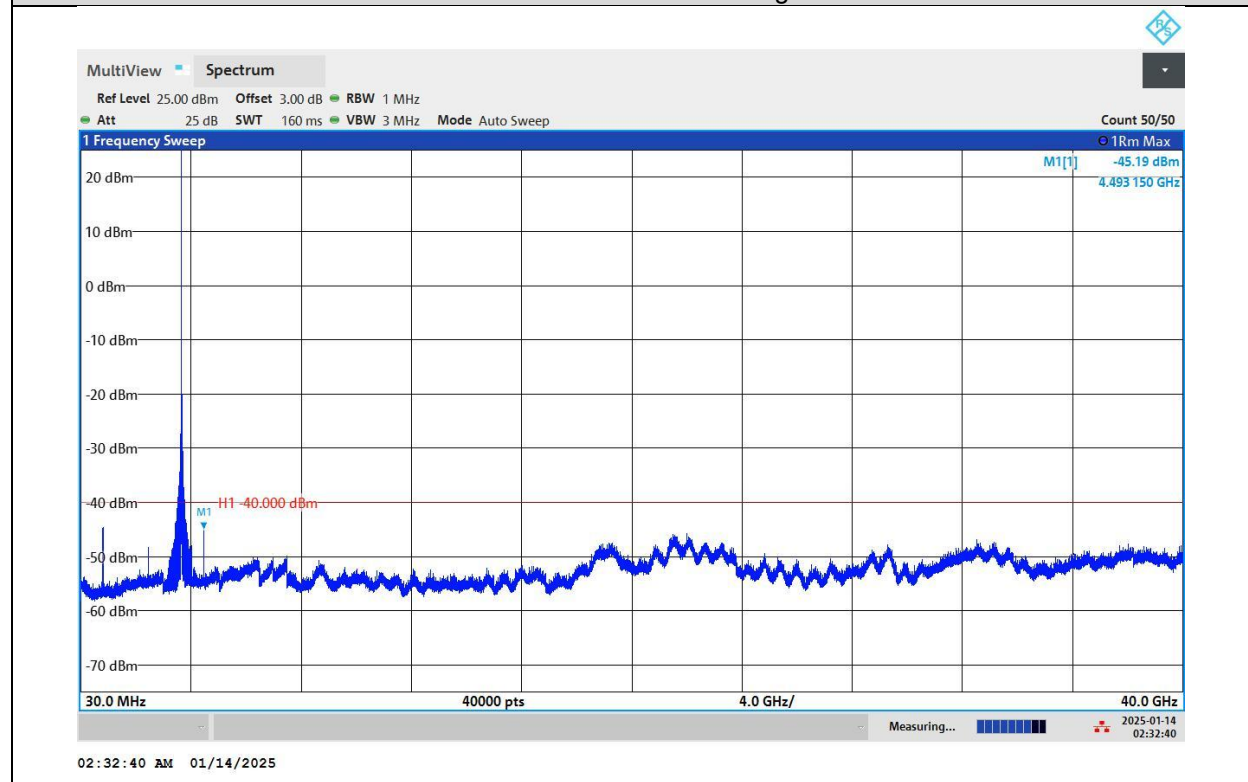
Band48-20MHz-QPSK-55340-1RB#0-Range:30~40000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range:30~40000MHz



Band48-20MHz-QPSK-56640-1RB#0-Range:30~40000MHz



FREQUENCY STABILITY TEST RESULT

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	VL	NT	5.90	0.001599	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VN	NT	4.90	0.001328	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VH	NT	13.00	0.003523	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-8.30	-0.002371	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	10.10	0.002886	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	8.90	0.002543	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VL	NT	14.60	0.004028	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VN	NT	-17.30	-0.004772	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VH	NT	5.40	0.001490	±2.5	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	NV	-30	7.50	0.002033	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-20	13.30	0.003604	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-10	-25.40	-0.006883	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	0	20.10	0.005447	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	10	28.80	0.007805	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	20	-5.00	-0.001355	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	30	-23.20	-0.006287	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	40	14.00	0.003794	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	50	3.80	0.001030	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	-19.00	-0.005429	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	-1.00	-0.000286	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	-0.20	-0.000057	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	-2.40	-0.000686	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	12.00	0.003429	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	-0.10	-0.000029	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	-4.80	-0.001371	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	-13.20	-0.003771	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	20.00	0.005714	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-30	10.7	0.002952	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-20	24.70	0.006814	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-10	18.00	0.004966	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	0	0.20	0.000054	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	10	-20.90	-0.005664	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	20	-15.00	-0.004065	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	30	-8.70	-0.002358	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	40	25.40	0.006883	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	50	18.30	0.004959	±2.5	PASS

RADIATED EMISSION MEASUREMENT

TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

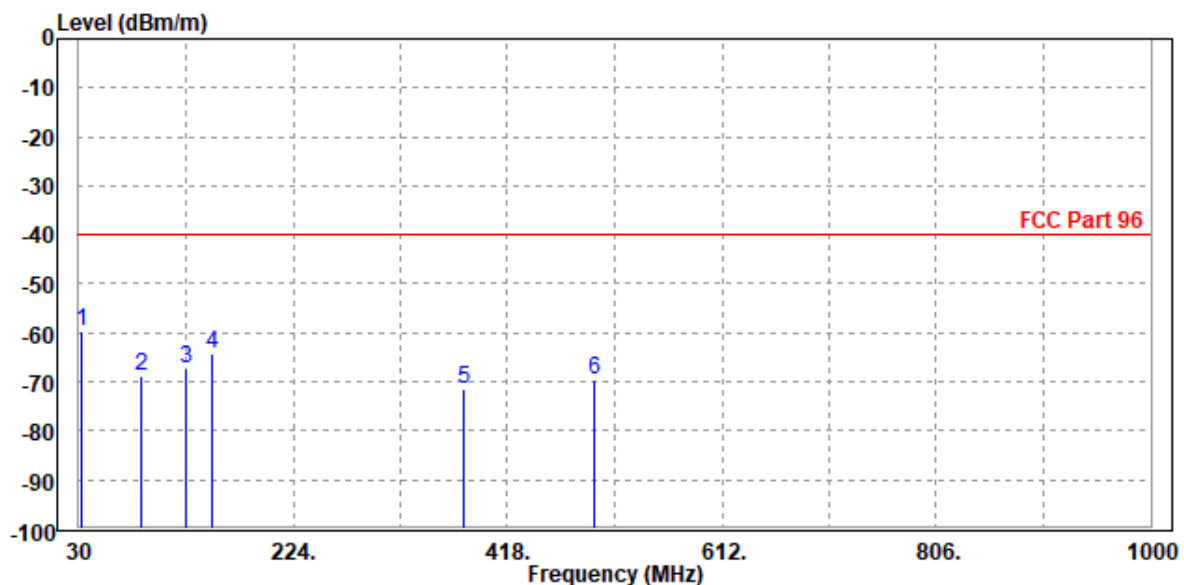
30 MHz – 1GHz data:

LTE Band 48

CHANNEL BANDWIDTH: 10MHz / QPSK

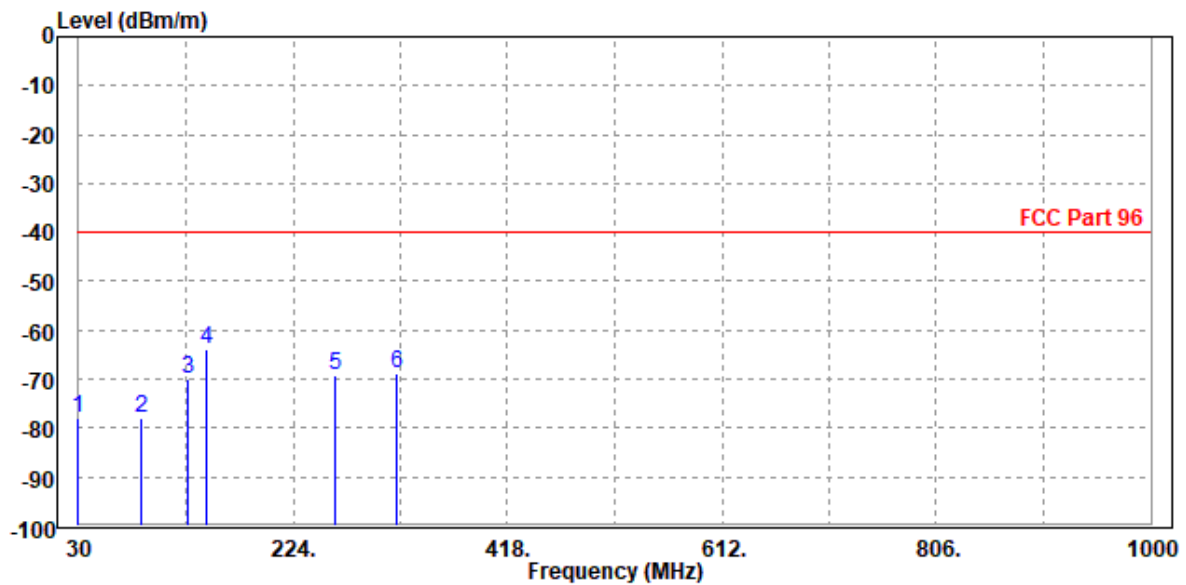
MODE	TX channel 55990	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jack Liu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	31.940	-59.77	-56.73	-40.00	-19.77	-3.04	Peak	Horizontal
2		86.260	-68.96	-56.24	-40.00	-28.96	-12.72	Peak	Horizontal
3		127.000	-67.32	-51.60	-40.00	-27.32	-15.72	Peak	Horizontal
4		151.250	-64.42	-49.99	-40.00	-24.42	-14.43	Peak	Horizontal
5		378.230	-71.49	-64.15	-40.00	-31.49	-7.34	Peak	Horizontal
6		496.570	-69.48	-64.42	-40.00	-29.48	-5.06	Peak	Horizontal



MODE	TX channel 55990	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jack Liu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	30.000	-77.86	-56.16	-40.00	-37.86	-21.70	Peak	Vertical
2	87.230	-77.97	-60.15	-40.00	-37.97	-17.82	Peak	Vertical
3	127.970	-69.96	-52.85	-40.00	-29.96	-17.11	Peak	Vertical
4 PP	146.400	-64.06	-50.28	-40.00	-24.06	-13.78	Peak	Vertical
5	261.830	-69.19	-65.53	-40.00	-29.19	-3.66	Peak	Vertical
6	317.120	-68.91	-65.37	-40.00	-28.91	-3.54	Peak	Vertical



ABOVE 1GHz

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

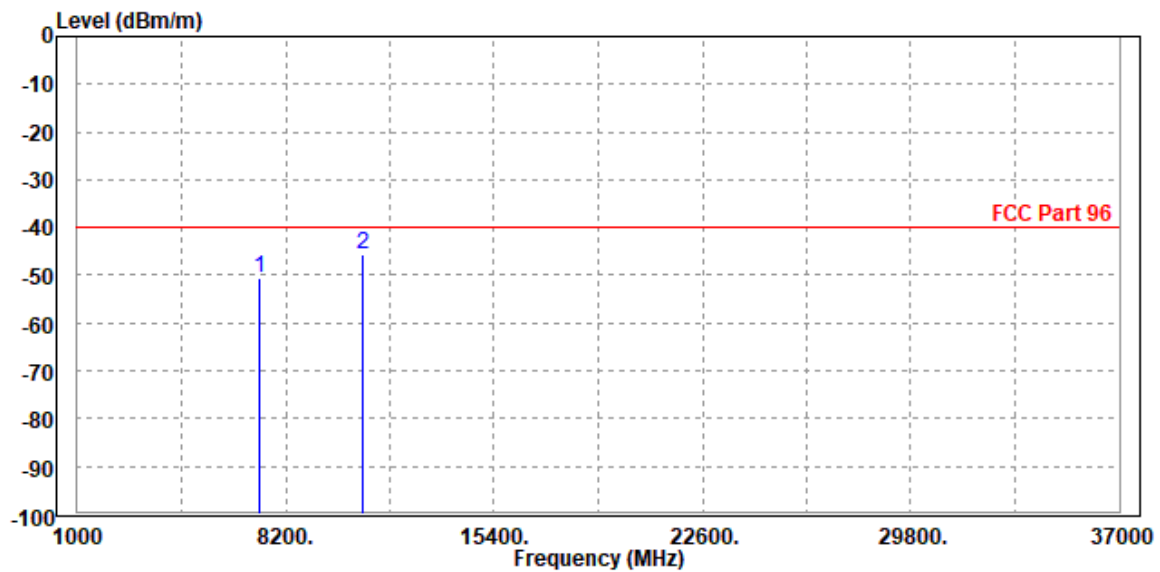
LTE BAND 48

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jack Liu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7264.000	-50.69	-63.82	-40.00	-10.69	13.13	Peak	Horizontal
2	PP10864.000	-45.49	-65.10	-40.00	-5.49	19.61	Peak	Horizontal



MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz					
TESTED BY	Jack Liu							
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-50.52	-64.13	-40.00	-10.52	13.61	Peak	Vertical
2	PP10864.000	-46.92	-65.53	-40.00	-6.92	18.61	Peak	Vertical

--END--