



BUREAU
VERITAS

Test Report No.: W7L-P21080009RF17

LTE BAND 38











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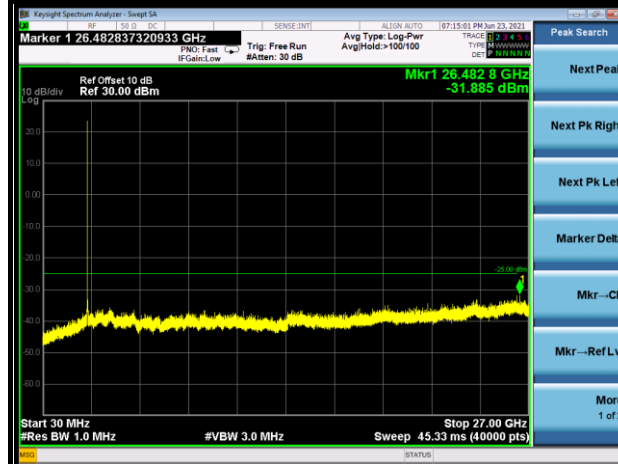
Test Report No.: W7L-P21080009RF17

LTE BAND 41

5MHz / QPSK

CHANNEL 39675

FREQUENCY RANGE : 30MHz~27GHz



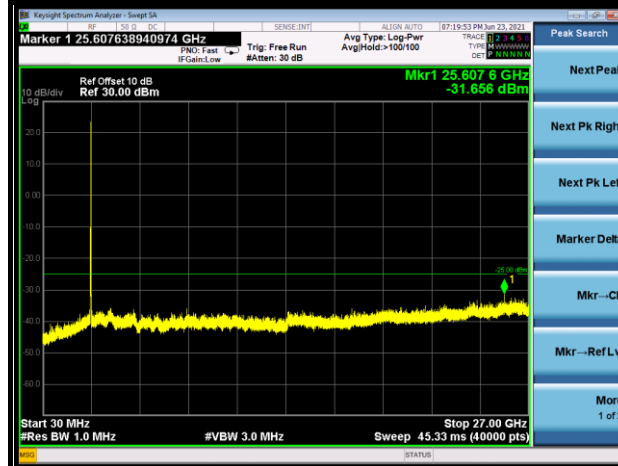
CHANNEL 40620

FREQUENCY RANGE : 30MHz~27GHz



CHANNEL 41565

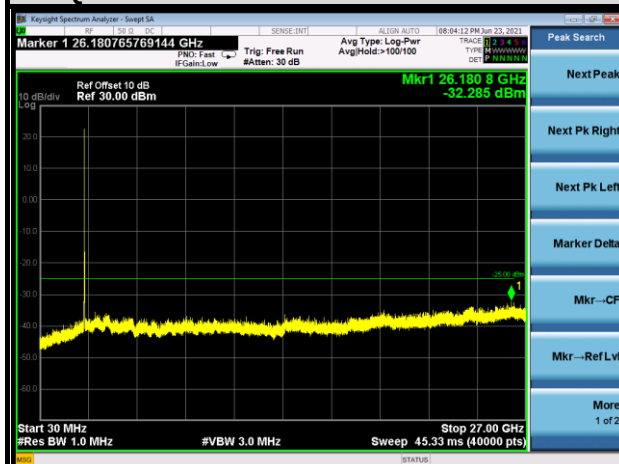
FREQUENCY RANGE : 30MHz~27GHz



10MHz / QPSK

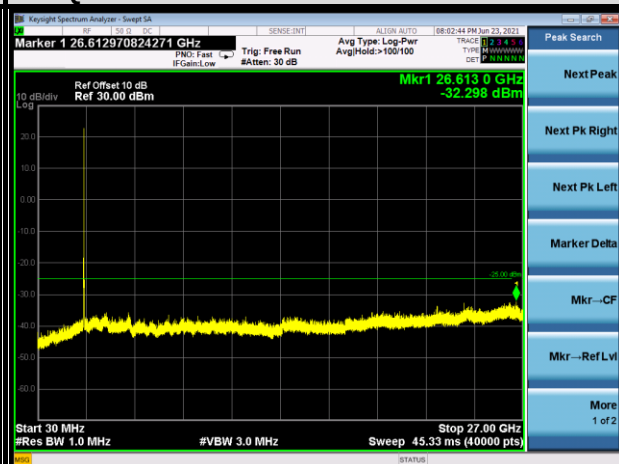
CHANNEL 39700

FREQUENCY RANGE : 30MHz~27GHz



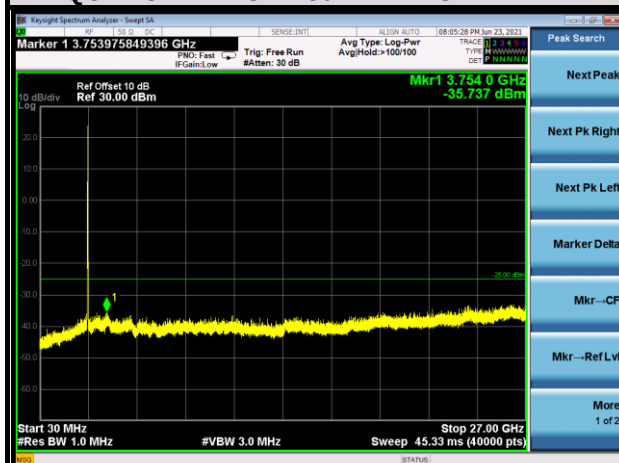
CHANNEL 40620

FREQUENCY RANGE : 30MHz~27GHz



CHANNEL 41540

FREQUENCY RANGE : 30MHz~27GHz

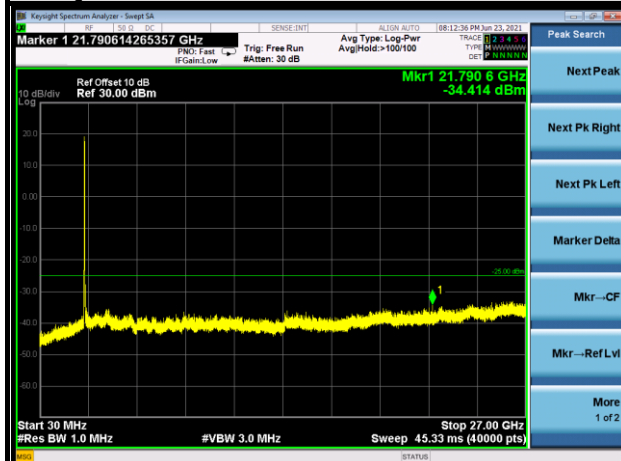




20MHz / QPSK

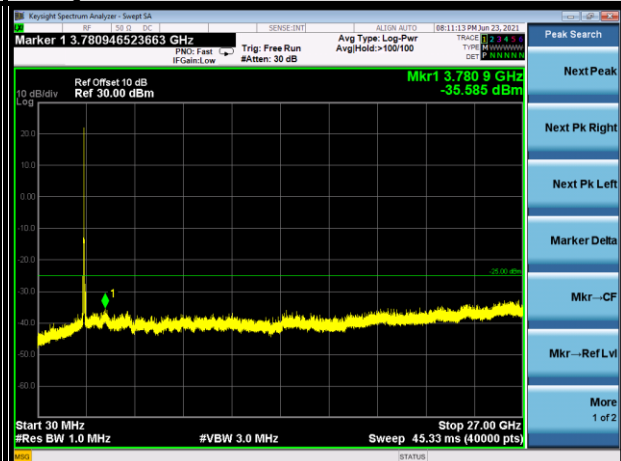
CHANNEL 39750

FREQUENCY RANGE : 30MHz~27GHz



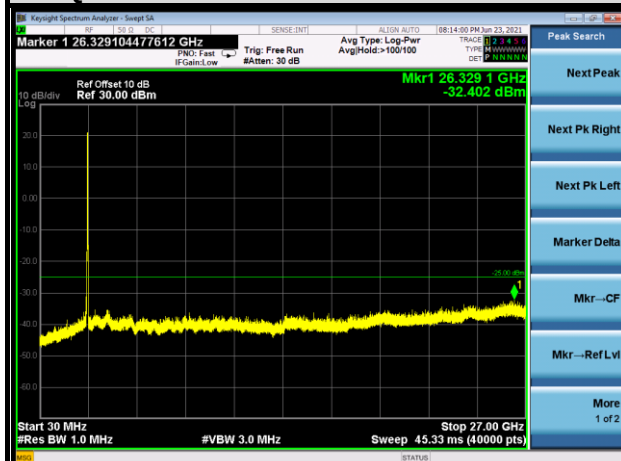
CHANNEL 40620

FREQUENCY RANGE : 30MHz~27GHz



CHANNEL 41490

FREQUENCY RANGE : 30MHz~27GHz



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

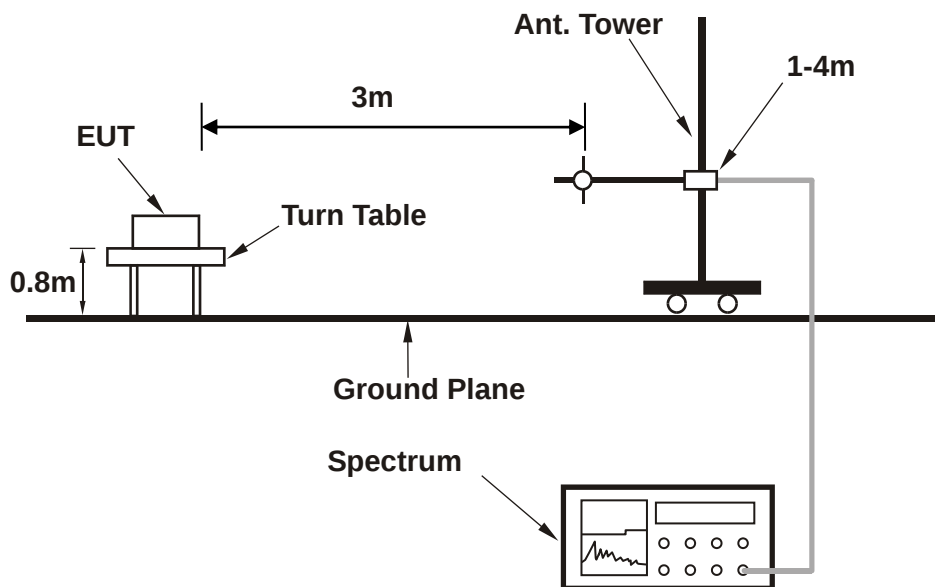
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

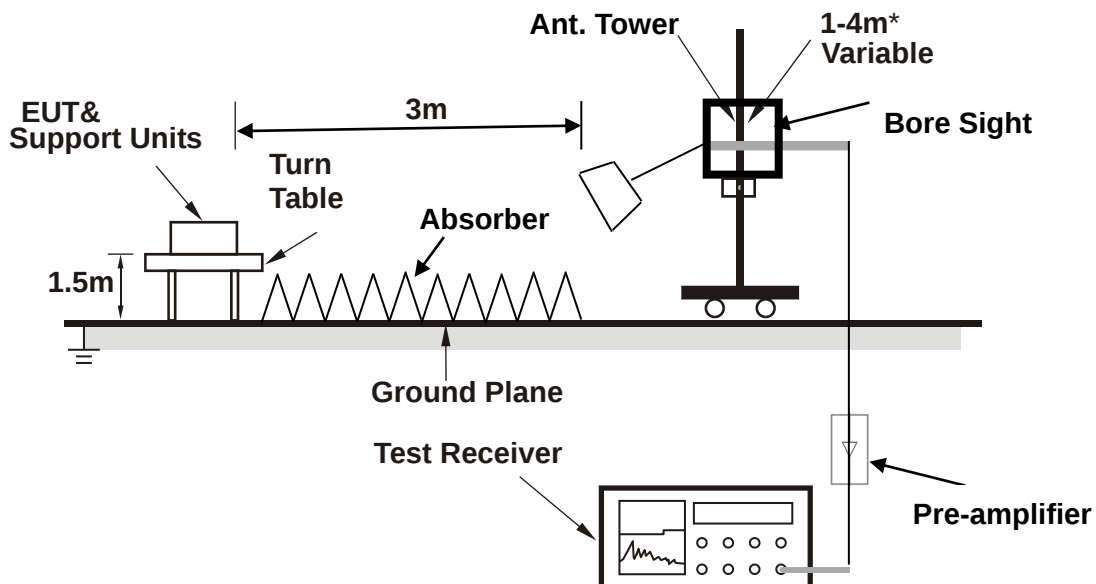
No deviation

3.6.4 TEST SETUP

< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

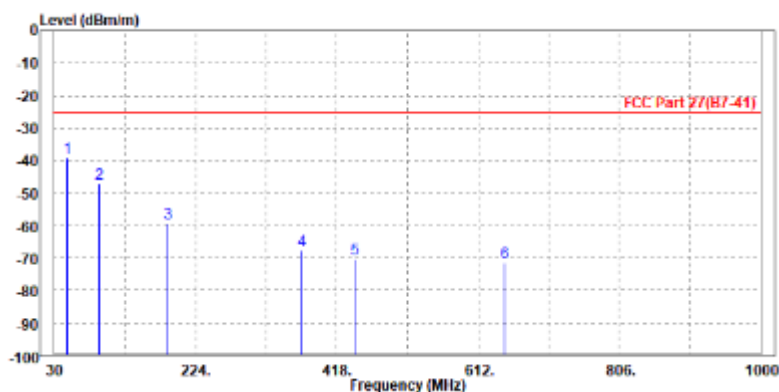
30 MHz – 1GHz data:

LTE Band 38

CHANNEL BANDWIDTH: 20MHz / QPSK

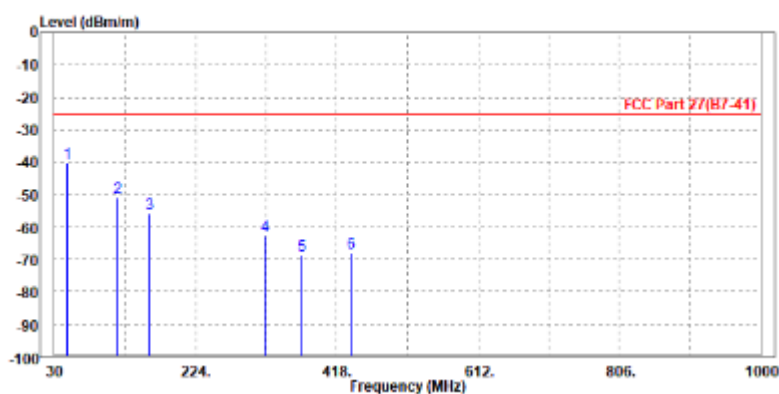
MODE	TX channel 38150	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	48.430	-39.00	-43.55	-25.00	-14.00	4.55	Peak	Horizontal
2	91.110	-47.00	-37.72	-25.00	-22.00	-9.28	Peak	Horizontal
3	186.170	-59.24	-41.64	-25.00	-34.24	-17.60	Peak	Horizontal
4	369.500	-67.68	-56.20	-25.00	-42.68	-11.48	Peak	Horizontal
5	443.220	-70.28	-59.85	-25.00	-45.28	-10.43	Peak	Horizontal
6	648.860	-71.59	-64.52	-25.00	-46.59	-7.07	Peak	Horizontal



MODE	TX channel 38150	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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 PP	47.460	-40.48	-36.54	-25.00	-15.48	-3.94	Peak	Vertical
2	117.300	-50.80	-37.85	-25.00	-25.00	-12.95	Peak	Vertical
3	160.950	-55.89	-40.72	-25.00	-30.89	-15.17	Peak	Vertical
4	319.060	-62.63	-51.40	-25.00	-37.63	-11.23	Peak	Vertical
5	370.470	-68.69	-57.65	-25.00	-43.69	-11.04	Peak	Vertical
6	437.400	-68.18	-58.62	-25.00	-43.18	-9.56	Peak	Vertical





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Test Report No.: W7L-P21080009RF17

ABOVE 1GHz

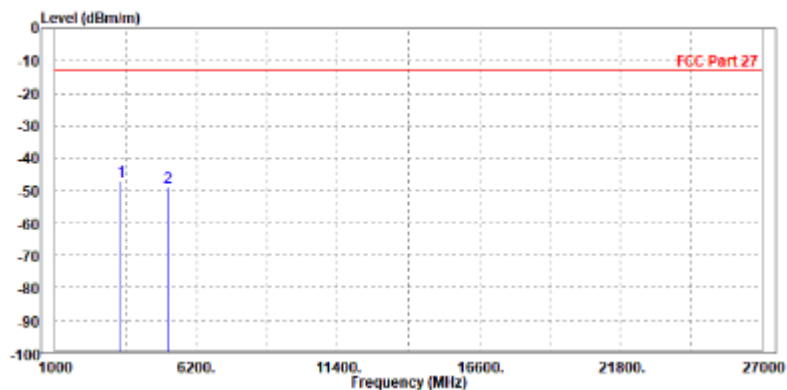
Note: For higher frequency, the emission is too low to be detected.

WCDMA Band IV:

CH 1312

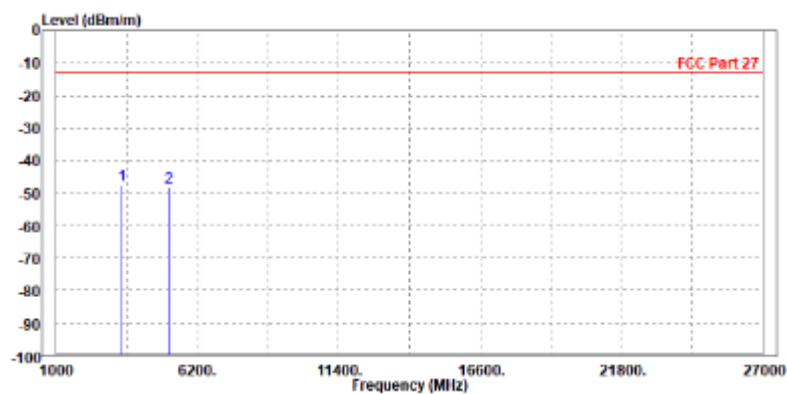
MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3418.000	-47.22	-55.81	-13.00	-34.22	8.59	Peak	Horizontal
2		5137.200	-49.05	-57.99	-13.00	-36.05	8.94	Peak	Horizontal



MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

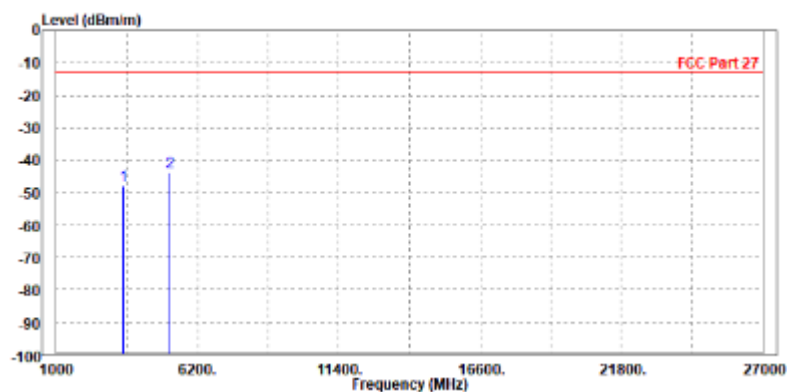
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-47.41	-56.52	-13.00	-34.41	9.11	Peak	Vertical
2	5137.200	-48.36	-58.21	-13.00	-35.36	9.85	Peak	Vertical



CH 1413

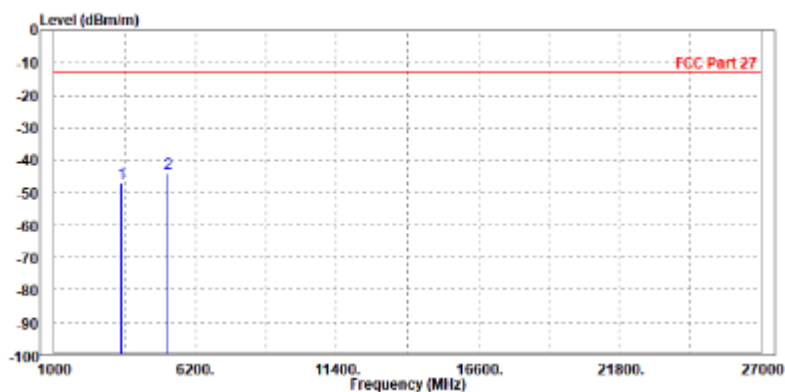
MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read	Limit	Over			
	MHz	dBm/m	Level	Line	Limit	Factor	Remark	Pol/Phase
			dBm	dBm/m	dB	dB/m		
1	3470.000	-47.73	-56.31	-13.00	-34.73	8.58	Peak	Horizontal
2 PP	5197.000	-43.81	-52.93	-13.00	-30.81	9.12	Peak	Horizontal



MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

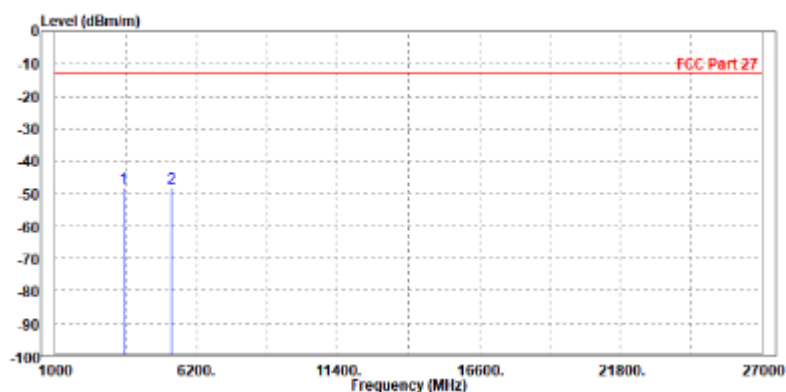
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3470.000	-47.28	-56.44	-13.00	-34.28	9.16	Peak	Vertical
2 PP	5197.000	-44.24	-54.06	-13.00	-31.24	9.82	Peak	Vertical



CH 1513

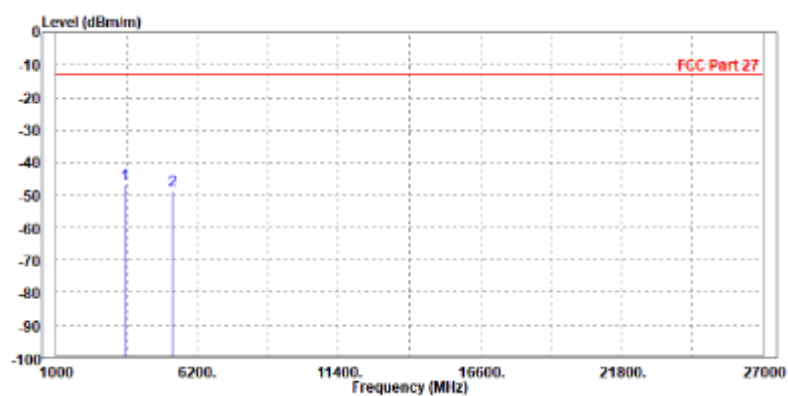
MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3496.000	-48.31	-56.88	-13.00	-35.31	8.57	Peak	Horizontal
2		5257.000	-48.34	-57.64	-13.00	-35.34	9.30	Peak	Horizontal



MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 3496.000	-46.94	-56.13	-13.00	-33.94	9.19	Peak	Vertical
2	5257.800	-48.50	-58.30	-13.00	-35.50	9.80	Peak	Vertical



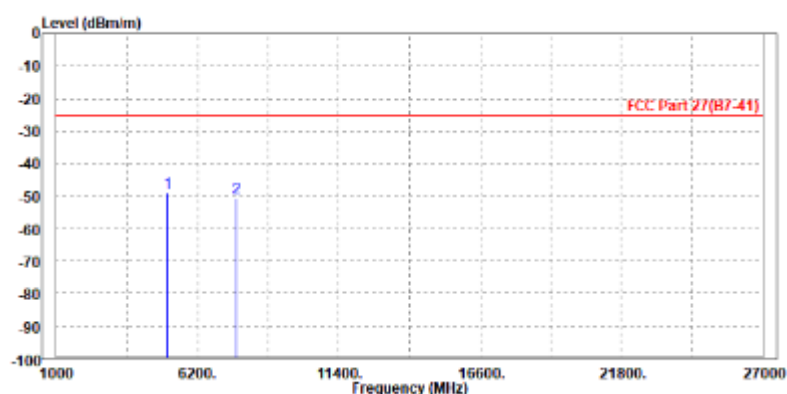


Test Report No.: W7L-P21080009RF17

LTE Band 7
CHANNEL BANDWIDTH: 5MHz / QPSK
CH 21100

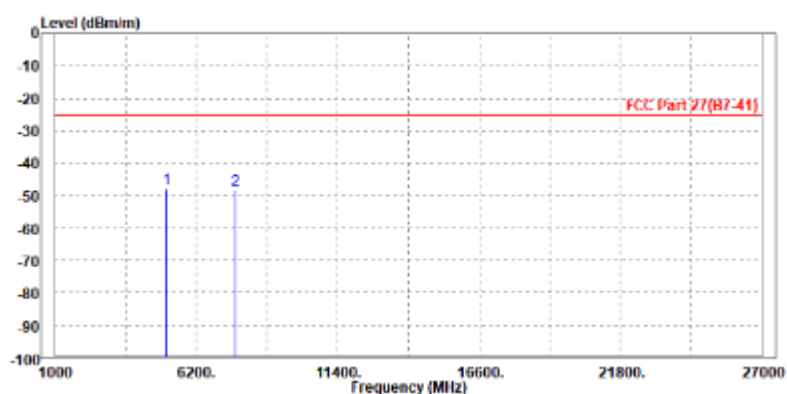
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	PP 5082.000	-48.90	-57.67	-25.00	-23.90	8.77	Peak Horizontal
2	7605.000	-50.75	-62.15	-25.00	-25.75	11.40	Peak Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5082.000	-47.80	-57.67	-25.00	-22.80	9.87	Peak	Vertical
2	7605.000	-48.45	-61.23	-25.00	-23.45	12.78	Peak	Vertical



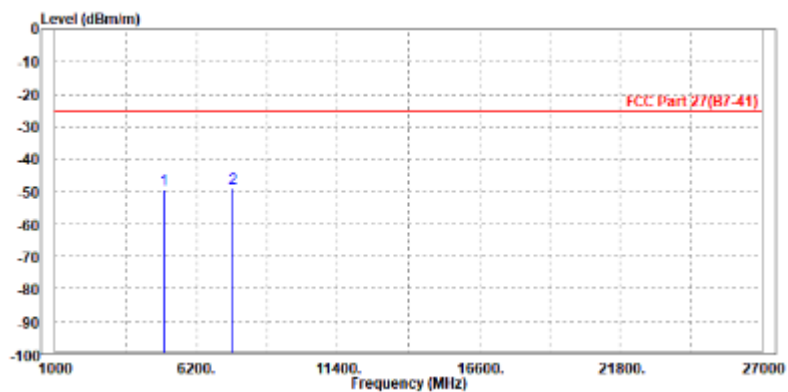


Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 10MHz / QPSK
CH20800

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	5004.000	-49.39	-57.93	-25.00	-24.39	8.54	Peak	Horizontal
2 PP	7515.000	-49.02	-60.39	-25.00	-24.02	11.37	Peak	Horizontal

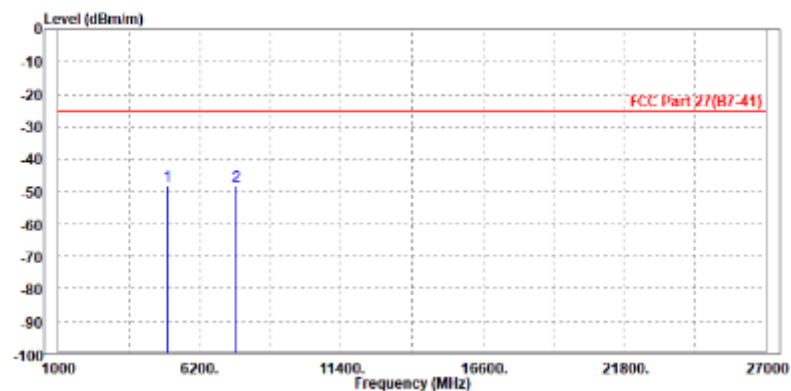




Test Report No.: W7L-P21080009RF17

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	5004.000	-48.35	-58.25	-25.00	-23.35	9.90	Peak	Vertical
2 PP	7515.000	-48.30	-61.04	-25.00	-23.30	12.74	Peak	Vertical





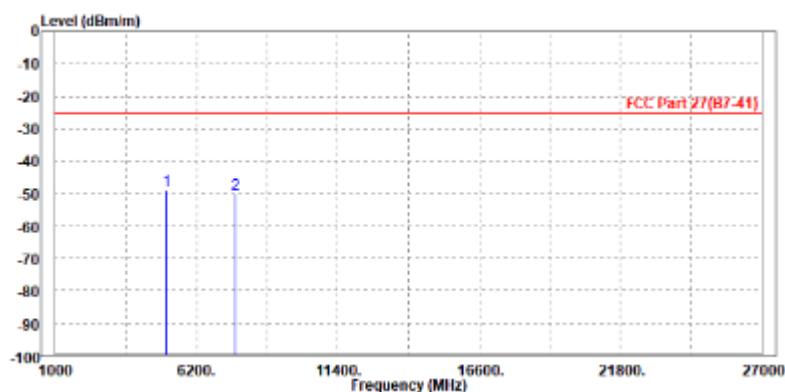
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Test Report No.: W7L-P21080009RF17

CH21100

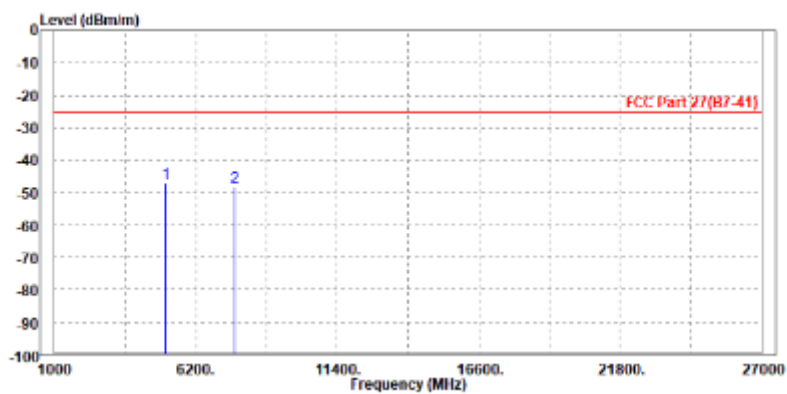
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-48.95	-57.72	-25.00	-23.95	8.77	Peak	Horizontal
2	7605.000	-50.10	-61.50	-25.00	-25.10	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

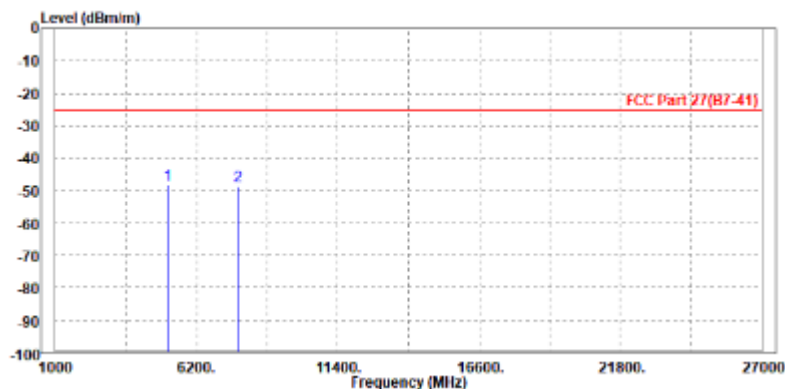
			Read	Limit	Over			
Freq	Level	Level	Line	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m			
1 PP 5082.000	-46.99	-56.86	-25.00	-21.99	9.87	Peak	Vertical	
2 7605.000	-48.20	-60.98	-25.00	-23.20	12.78	Peak	Vertical	



CH21400

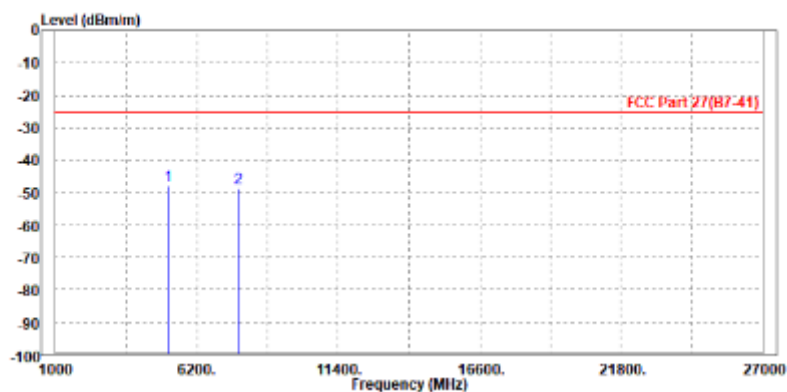
MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5134.000	-48.34	-57.27	-25.00	-23.34	8.93	Peak	Horizontal
2	7695.000	-48.49	-59.93	-25.00	-23.49	11.44	Peak	Horizontal



MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5134.000	-47.83	-57.68	-25.00	-22.83	9.85	Peak	Vertical
2	7695.000	-48.63	-61.44	-25.00	-23.63	12.81	Peak	Vertical





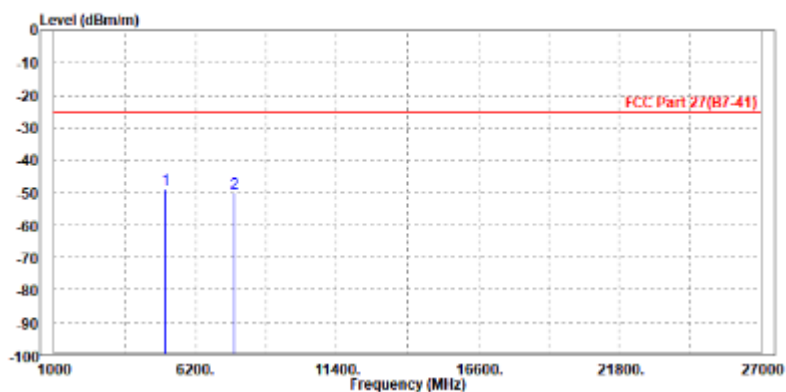
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Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 15MHz / QPSK

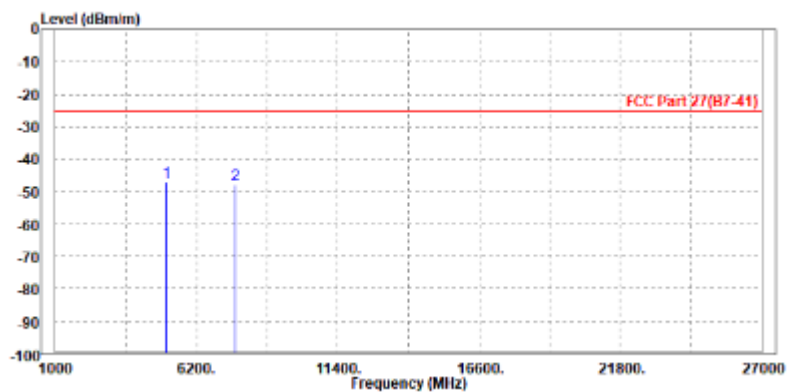
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-49.23	-58.00	-25.00	-24.23	8.77	Peak	Horizontal
2	7605.000	-50.28	-61.68	-25.00	-25.28	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5082.000	-47.09	-56.96	-25.00	-22.09	9.87	Peak	Vertical
2	7605.000	-48.10	-60.88	-25.00	-23.10	12.78	Peak	Vertical





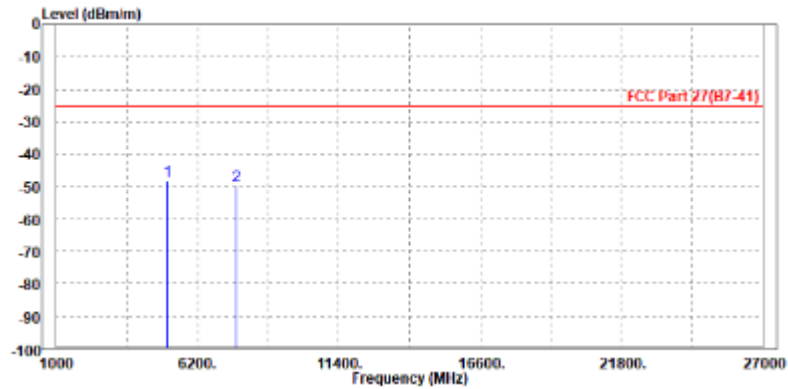
BUREAU
VERITAS

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 20MHz / QPSK

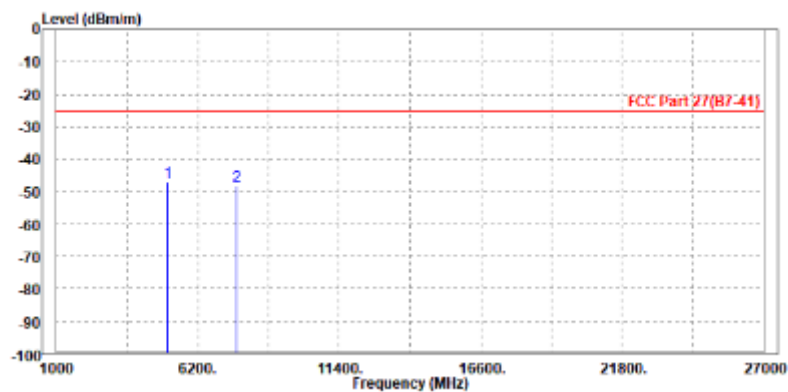
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	5082.000	-48.29	-57.06	-25.00	-23.29	8.77	Peak	Horizontal
2		7605.000	-49.80	-61.20	-25.00	-24.80	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5082.000	-47.08	-56.95	-25.00	-22.08	9.87	Peak	Vertical
2	7605.000	-48.30	-61.00	-25.00	-23.30	12.78	Peak	Vertical





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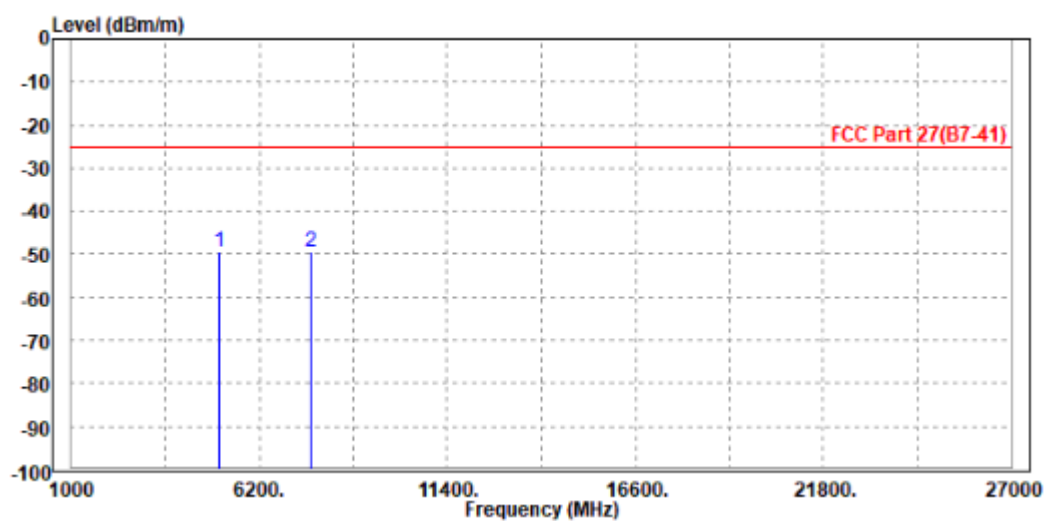
Test Report No.: W7L-P21080009RF17

LTE Band CA_7C

CHANNEL BANDWIDTH: 10 MHz + 20MHz

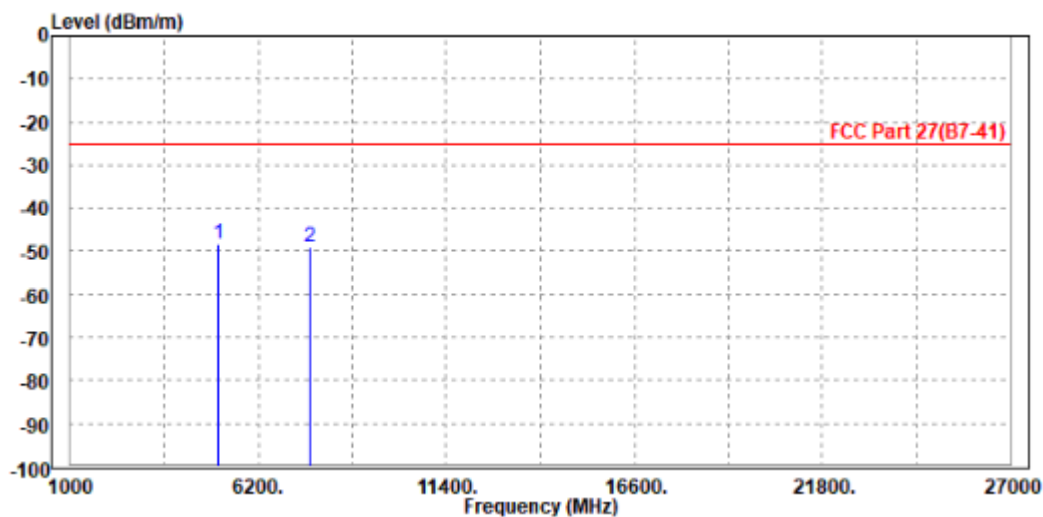
MODE	TX channel PCC 21206	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5082.000	-49.53	-58.30	-25.00	-24.53	8.77	Peak	Horizontal
2 PP	7636.800	-49.51	-60.92	-25.00	-24.51	11.41	Peak	Horizontal



MODE	TX channel PCC 21206	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

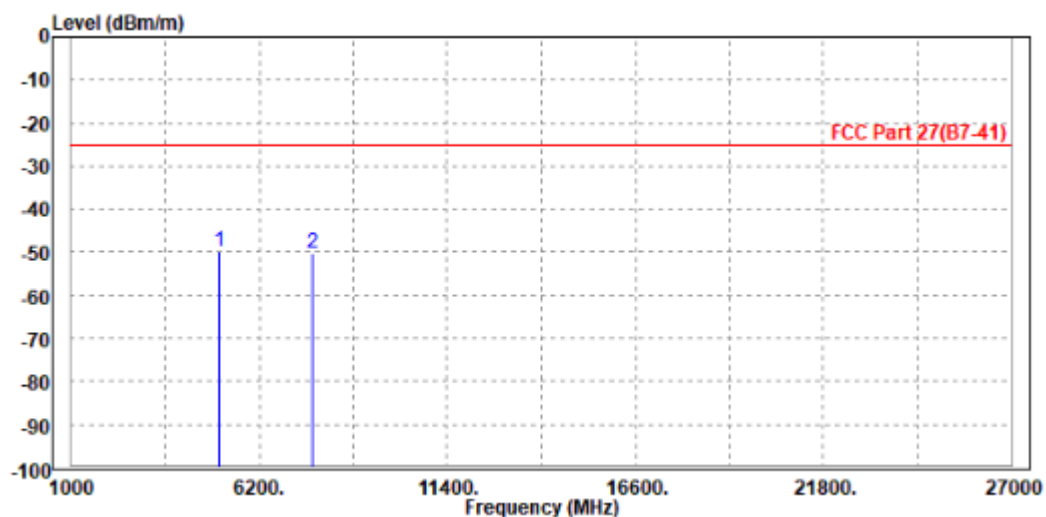
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5082.000	-48.18	-58.05	-25.00	-23.18	9.87	Peak	Vertical
2	7636.800	-48.93	-61.72	-25.00	-23.93	12.79	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 10MHz

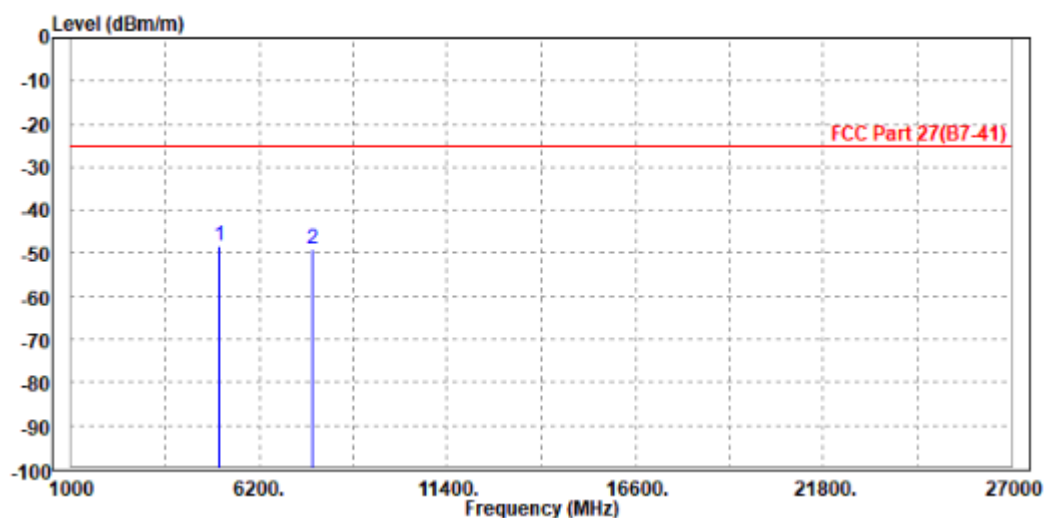
MODE	TX channel PCC 21277	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21397		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5108.000	-49.93	-58.78	-25.00	-24.93	8.85	Peak	Horizontal
2	7658.100	-50.31	-61.73	-25.00	-25.31	11.42	Peak	Horizontal



MODE	TX channel PCC 21277	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21397		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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 PP	5108.000	-48.24	-58.10	-25.00	-23.24	9.86	Peak	Vertical
2	7658.100	-49.07	-61.87	-25.00	-24.07	12.80	Peak	Vertical





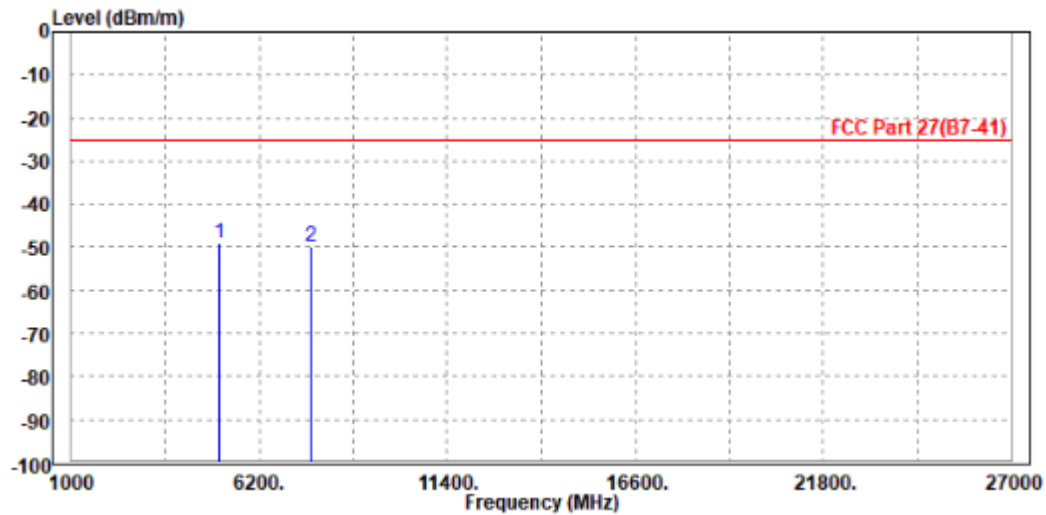
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 15MHz + 15MHz

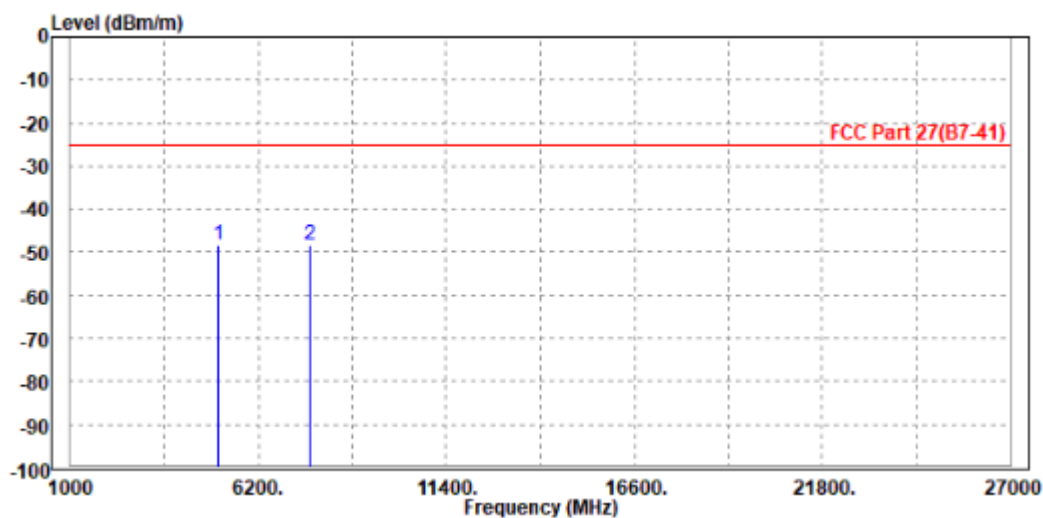
MODE	TX channel PCC 21225	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21375		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5108.000	-49.17	-58.02	-25.00	-24.17	8.85	Peak	Horizontal
2	7642.500	-49.85	-61.27	-25.00	-24.85	11.42	Peak	Horizontal



MODE	TX channel PCC 21225	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21375		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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 PP	5108.000	-48.29	-58.15	-25.00	-23.29	9.86	Peak	Vertical
2	7642.500	-48.42	-61.21	-25.00	-23.42	12.79	Peak	Vertical





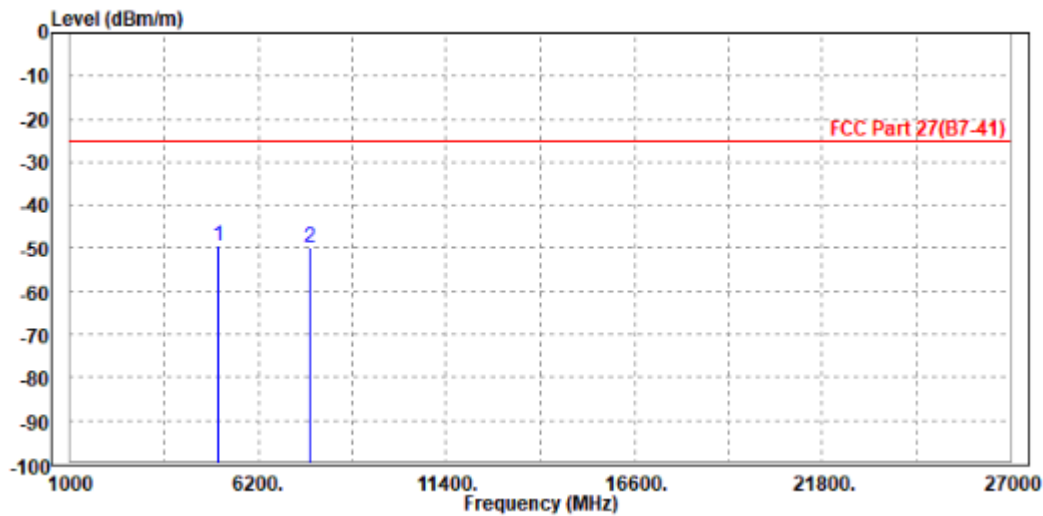
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 15MHz + 20MHz

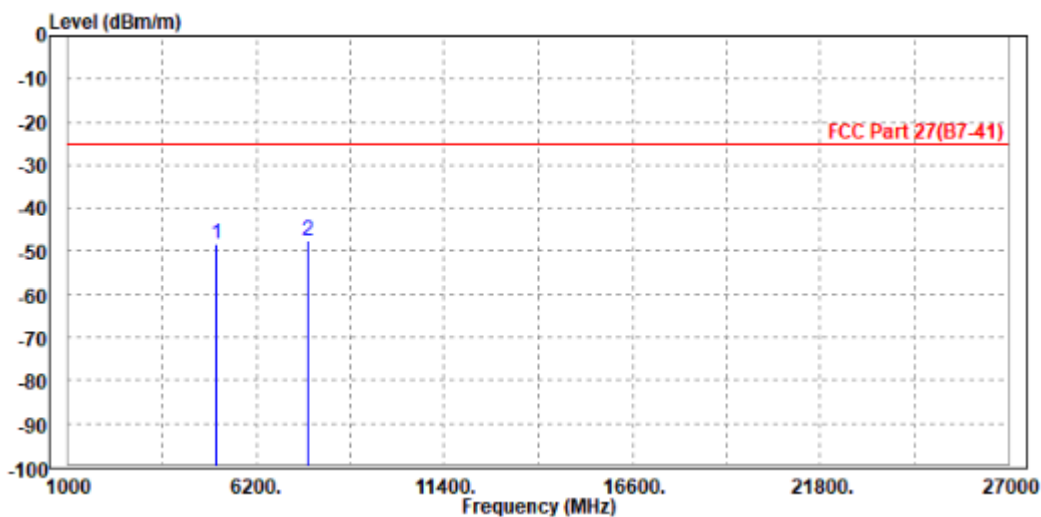
MODE	TX channel PCC 21179	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-49.32	-58.09	-25.00	-24.32	8.77	Peak	Horizontal
2	7628.700	-49.65	-61.06	-25.00	-24.65	11.41	Peak	Horizontal



MODE	TX channel PCC 21179	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	5082.000	-48.23	-58.10	-25.00	-23.23	9.87	Peak	Vertical
2 PP	7628.700	-47.59	-60.38	-25.00	-22.59	12.79	Peak	Vertical





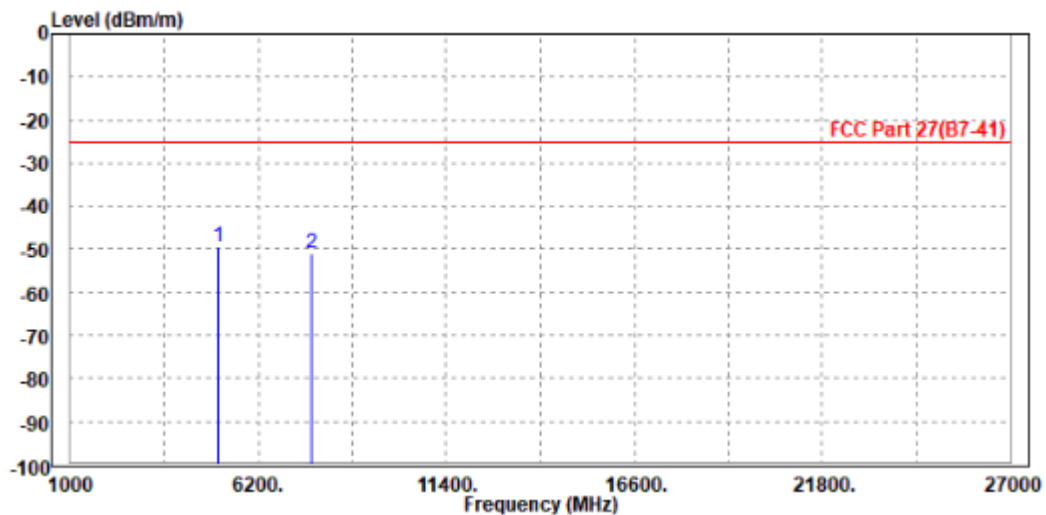
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 20MHz + 10MHz

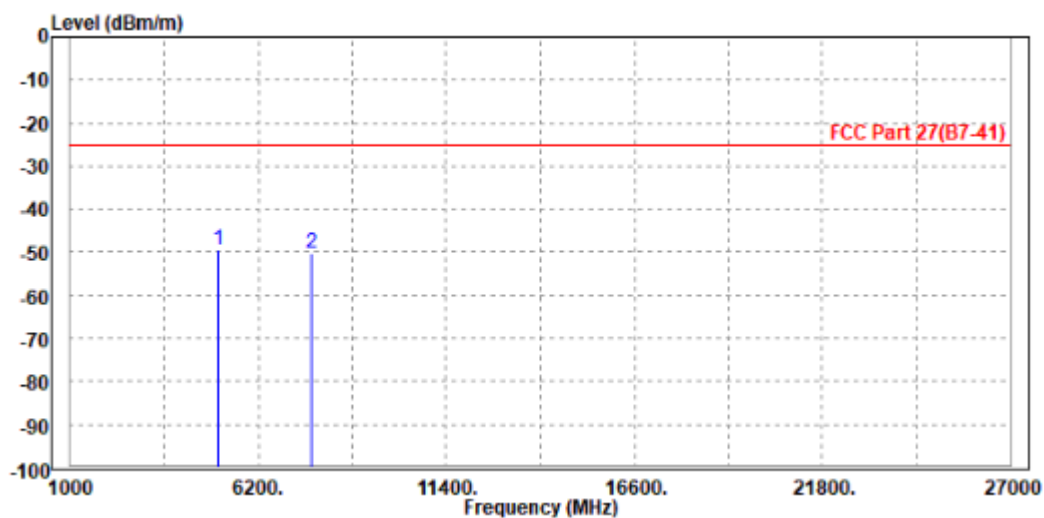
MODE	TX channel PCC 21251	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21395		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5100.200	-49.47	-58.29	-25.00	-24.47	8.82	Peak	Horizontal
2	7650.300	-50.90	-62.32	-25.00	-25.90	11.42	Peak	Horizontal



MODE	TX channel PCC 21251	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21395		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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 PP	5108.000	-49.36	-59.22	-25.00	-24.36	9.86	Peak	Vertical
2	7656.000	-50.13	-62.93	-25.00	-25.13	12.80	Peak	Vertical





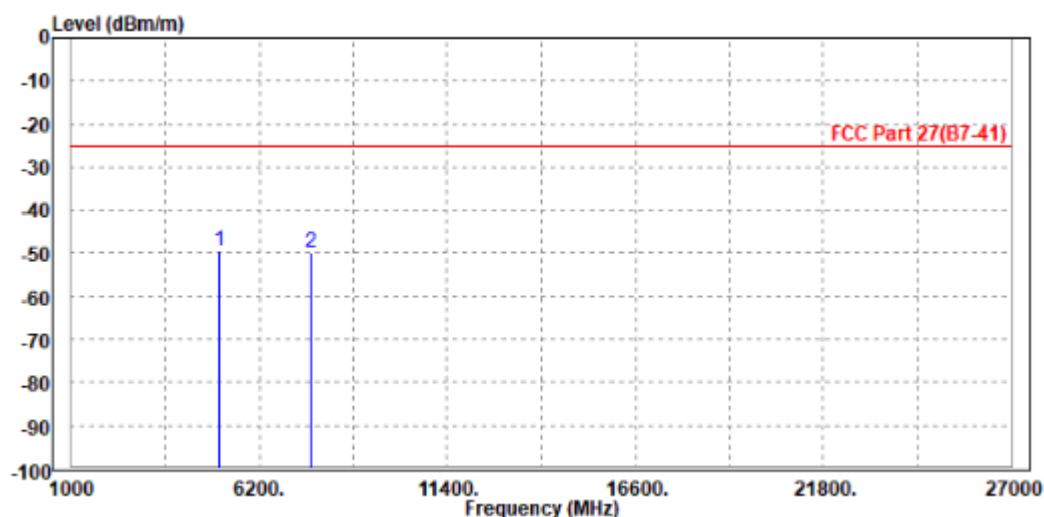
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 20MHz + 15MHz

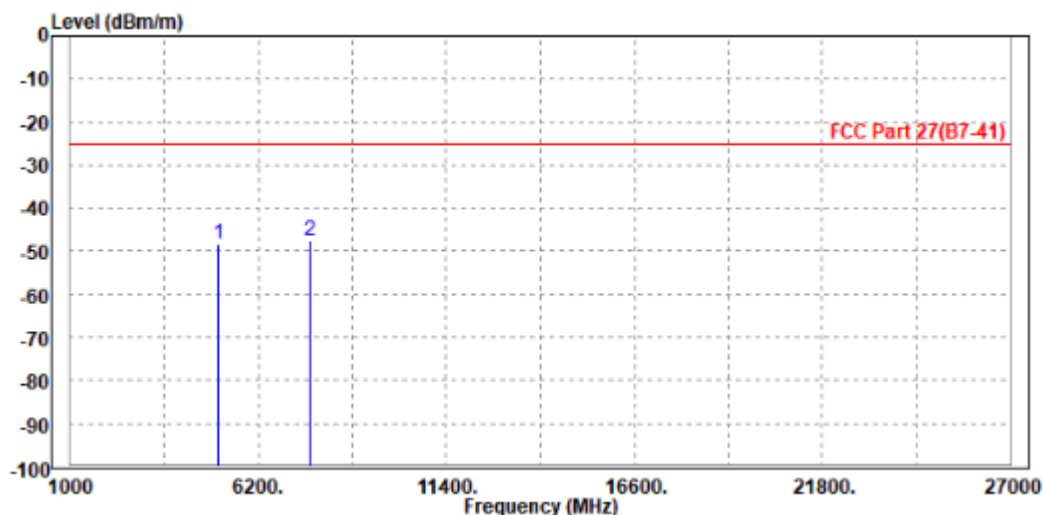
MODE	TX channel PCC 21201	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21372		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5090.200	-49.32	-58.11	-25.00	-24.32	8.79	Peak	Horizontal
2	7635.300	-49.65	-61.06	-25.00	-24.65	11.41	Peak	Horizontal



MODE	TX channel PCC 21201	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21372		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	5090.200	-48.23	-58.09	-25.00	-23.23	9.86	Peak	Vertical
2 PP	7635.300	-47.59	-60.38	-25.00	-22.59	12.79	Peak	Vertical





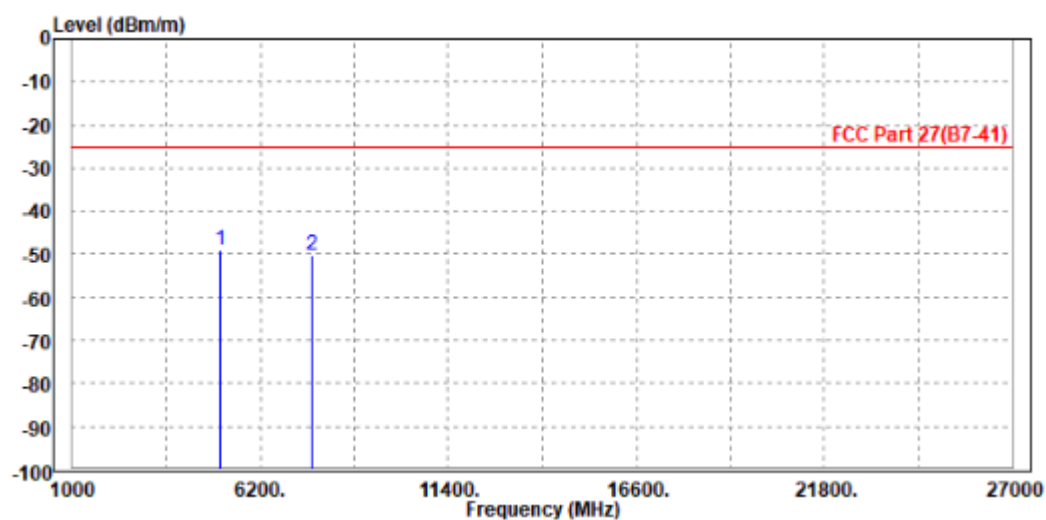
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 20MHz + 20MHz

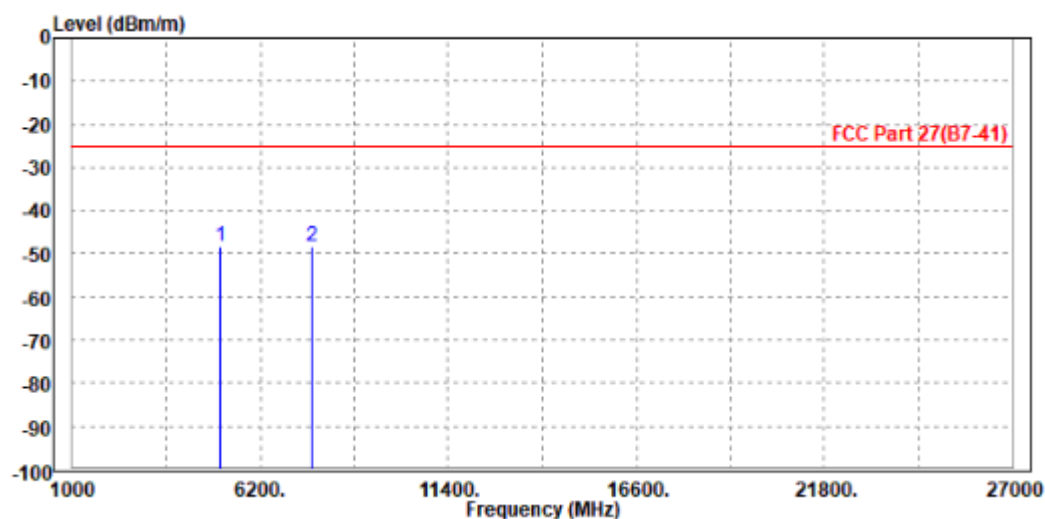
MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase	
MHz	dBm/m	dBm	dBm/m	dB	dB/m			
1 PP 5082.000	-49.04	-57.81	-25.00	-24.04	8.77	Peak	Horizontal	
2 7620.600	-50.20	-61.61	-25.00	-25.20	11.41	Peak	Horizontal	



MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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 PP	5082.000	-48.18	-58.05	-25.00	-23.18	9.87	Peak	Vertical
2	7620.600	-48.43	-61.21	-25.00	-23.43	12.78	Peak	Vertical





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VERITAS

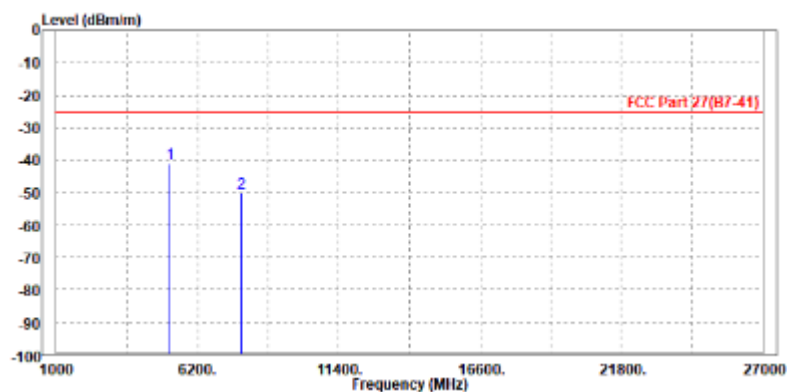
Test Report No.: W7L-P21080009RF17

LTE Band 38

CHANNEL BANDWIDTH: 5MHz / QPSK

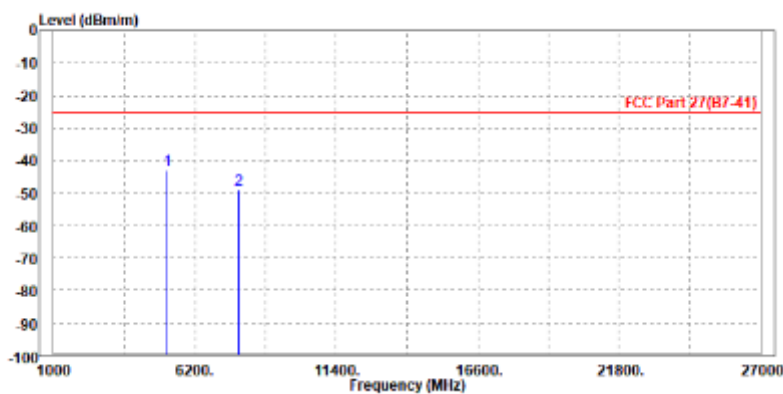
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-41.00	-50.08	-25.00	-16.00	9.08	Peak	Horizontal
2	7785.000	-50.33	-61.81	-25.00	-25.33	11.48	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP	5186.000	-42.86	-52.69	-25.00	-17.86	9.83	Peak	Vertical
2		7785.000	-48.86	-61.71	-25.00	-23.86	12.85	Peak	Vertical





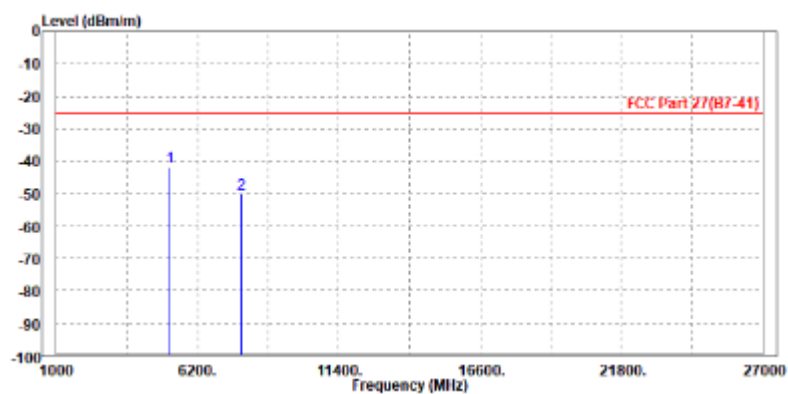
**BUREAU
VERITAS**

Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 10MHz / QPSK

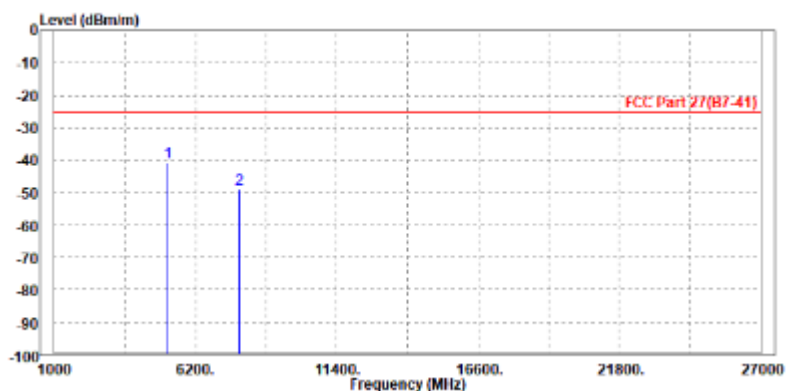
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5186.000	-41.72	-50.80	-25.00	-16.72	9.08	Peak	Horizontal
2	7785.000	-50.04	-61.52	-25.00	-25.04	11.48	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5186.000	-40.84	-50.67	-25.00	-15.84	9.83	Peak	Vertical
2	7785.000	-49.16	-62.01	-25.00	-24.16	12.85	Peak	Vertical



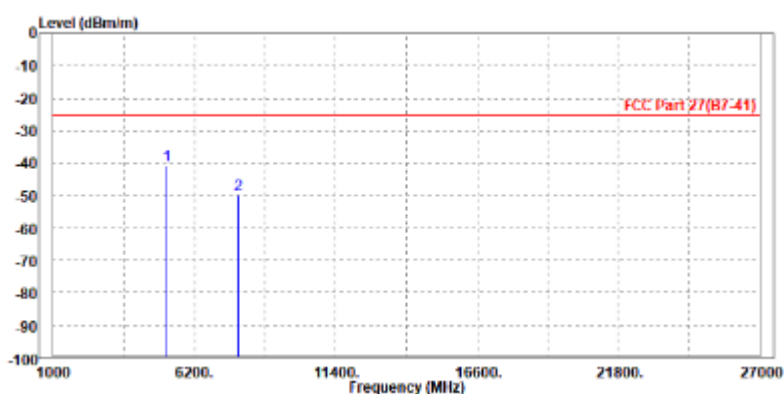


Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	5186.000	-40.69	-49.77	-25.00	-15.69	9.08	Peak	Horizontal
2	7785.000	-49.81	-61.29	-25.00	-24.81	11.48	Peak	Horizontal

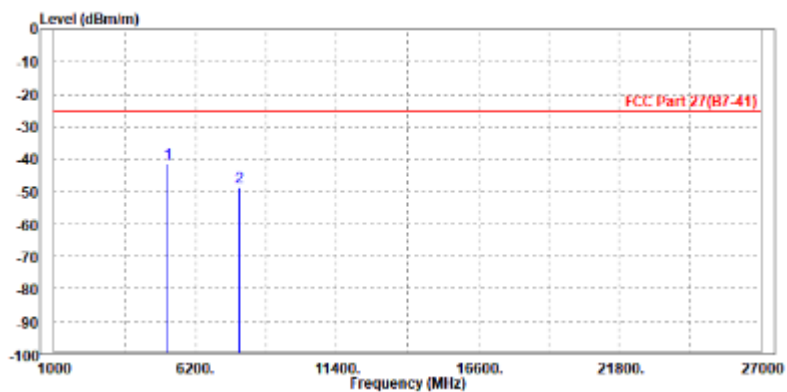




Test Report No.: W7L-P21080009RF17

MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP	5186.000	-41.40	-51.23	-25.00	-16.40	9.83	Peak	Vertical
2		7785.000	-48.52	-61.37	-25.00	-23.52	12.85	Peak	Vertical





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VERITAS

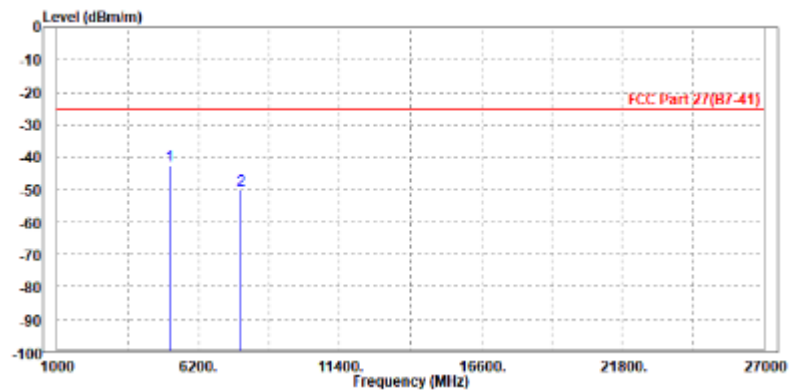
Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 20MHz / QPSK

CH 37850

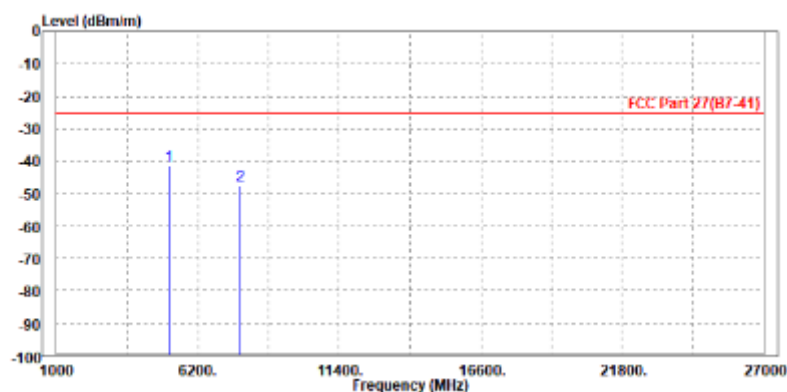
MODE	TX channel 37850	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-42.70	-51.70	-25.00	-17.70	9.00	Peak	Horizontal
2	7740.000	-50.34	-61.80	-25.00	-25.34	11.46	Peak	Horizontal



MODE	TX channel 37850	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

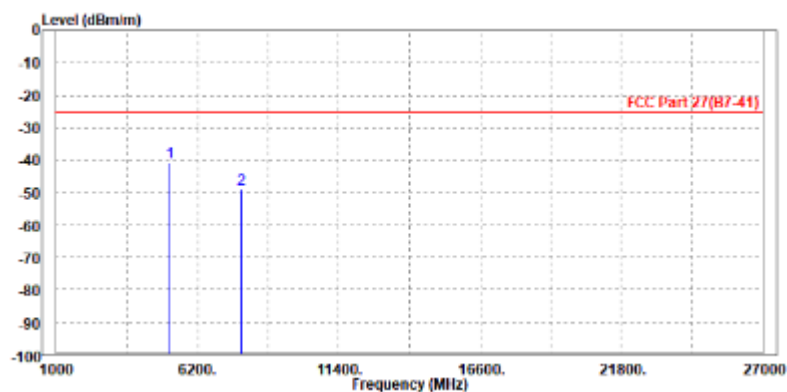
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-41.27	-51.11	-25.00	-16.27	9.84	Peak	Vertical
2	7740.000	-47.62	-60.45	-25.00	-22.62	12.83	Peak	Vertical



CH 38000

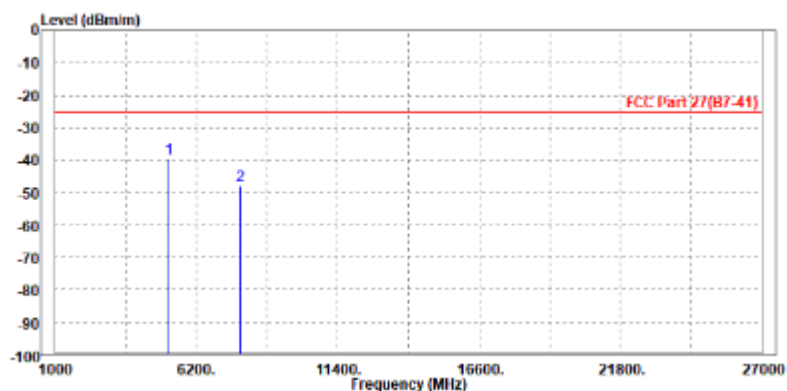
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5186.000	-40.85	-49.93	-25.00	-15.85	9.08	Peak	Horizontal
2	7785.000	-49.09	-60.57	-25.00	-24.09	11.48	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5186.000	-39.51	-49.34	-25.00	-14.51	9.83	Peak	Vertical
2	7785.000	-47.95	-60.80	-25.00	-22.95	12.85	Peak	Vertical



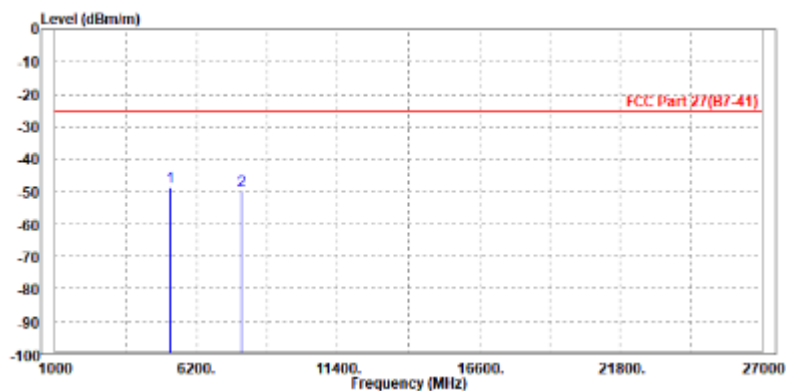


Test Report No.: W7L-P21080009RF17

CH38150

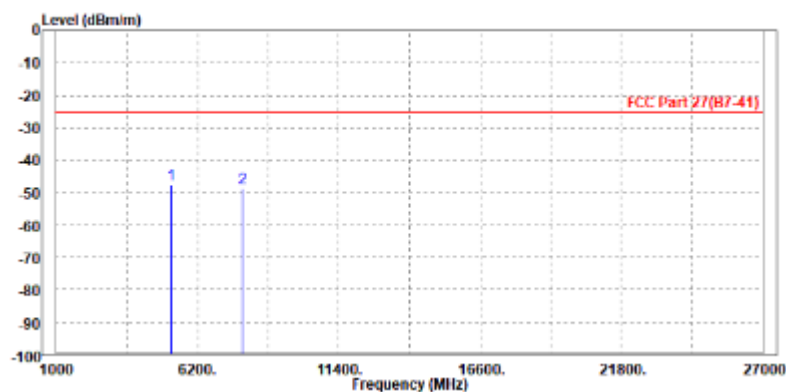
MODE	TX channel 38150	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5212.000	-48.60	-57.76	-25.00	-23.60	9.16	Peak	Horizontal
2	7830.000	-49.75	-61.24	-25.00	-24.75	11.49	Peak	Horizontal



MODE	TX channel 38150	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5212.000	-47.43	-57.25	-25.00	-22.43	9.82	Peak	Vertical
2	7830.000	-48.49	-61.36	-25.00	-23.49	12.87	Peak	Vertical





**BUREAU
VERITAS**

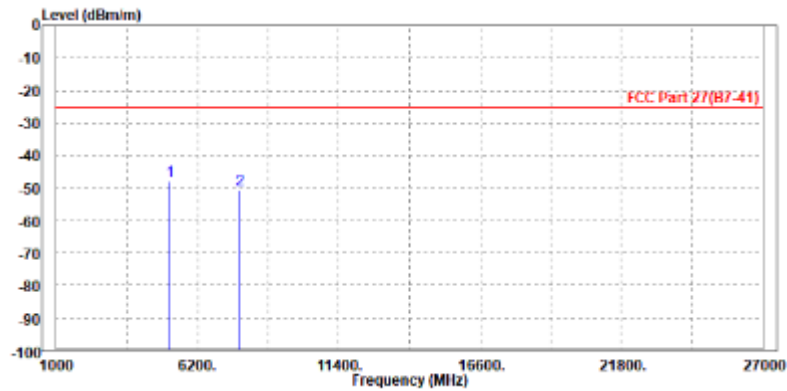
Test Report No.: W7L-P21080009RF17

LTE BAND 41

CHANNEL BANDWIDTH: 5MHz / QPSK

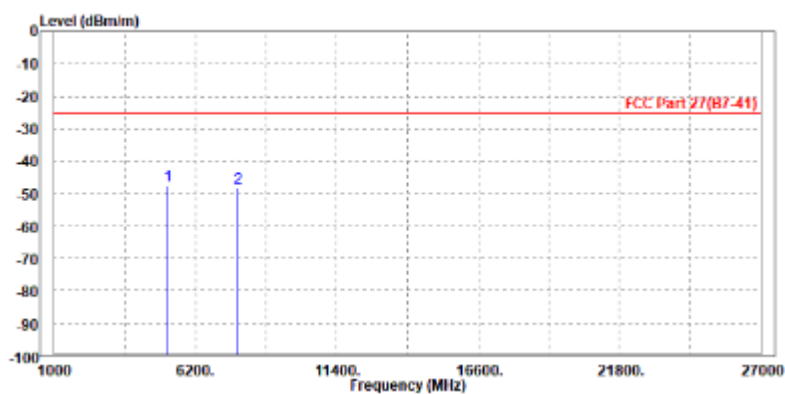
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	5186.000	-47.80	-56.88	-25.00	-22.80	9.08	Peak	Horizontal
2		7779.000	-50.56	-62.03	-25.00	-25.56	11.47	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5186.000	-47.71	-57.54	-25.00	-22.71	9.83	Peak	Vertical
2	7779.000	-48.22	-61.07	-25.00	-23.22	12.85	Peak	Vertical





BUREAU
VERITAS

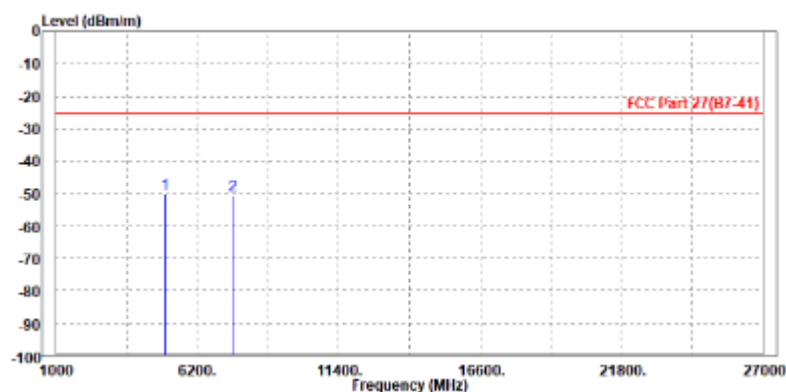
Test Report No.: W7L-P21080009RF17

CHANNEL BANDWIDTH: 10MHz / QPSK

CH 39700

MODE	TX channel 39700	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1	PP 5004.000	-50.16	-58.70	-25.00	-25.16	8.54	Peak Horizontal
2	7503.000	-50.41	-61.77	-25.00	-25.41	11.36	Peak Horizontal



MODE	TX channel 39700	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	PP 5004.000	-48.87	-58.77	-25.00	-23.87	9.90	Peak	Vertical
2	7503.000	-49.41	-62.15	-25.00	-24.41	12.74	Peak	Vertical

