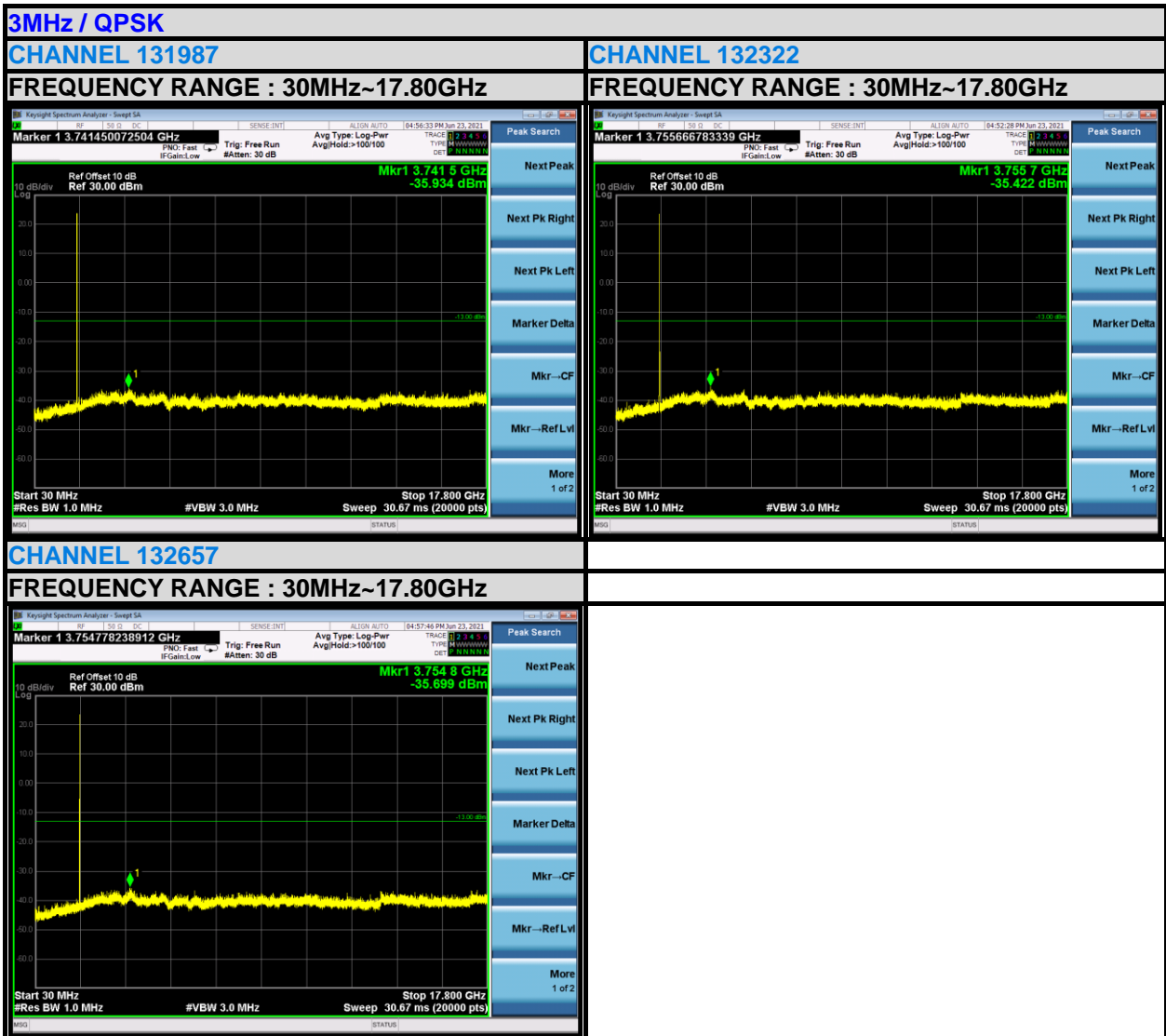




BUREAU VERITAS

Test Report No.: W7L-P21080006RF18





BUREAU VERITAS

Test Report No.: W7L-P21080006RF18



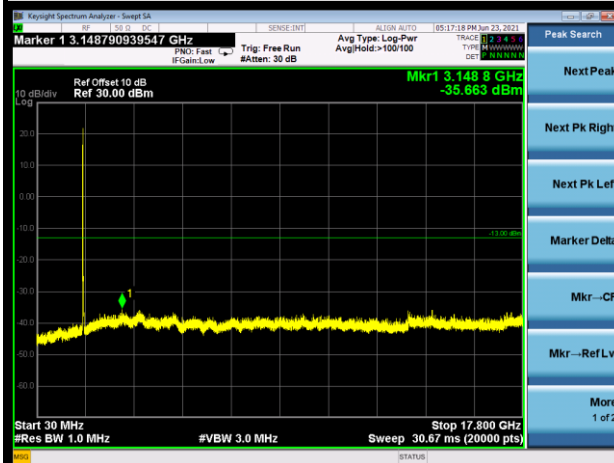


Test Report No.: W7L-P21080006RF18

10MHz / QPSK

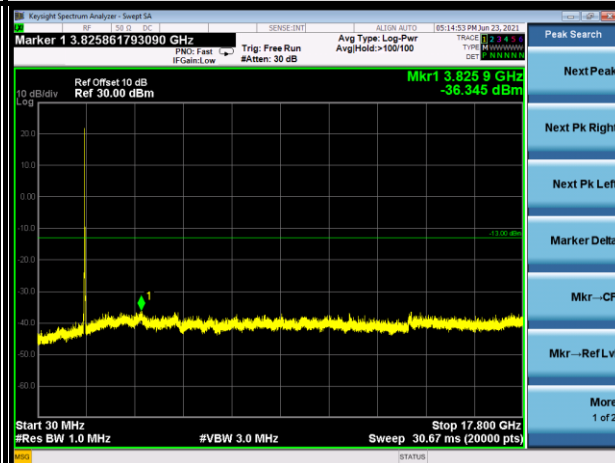
CHANNEL 132022

FREQUENCY RANGE : 30MHz~17.80GHz



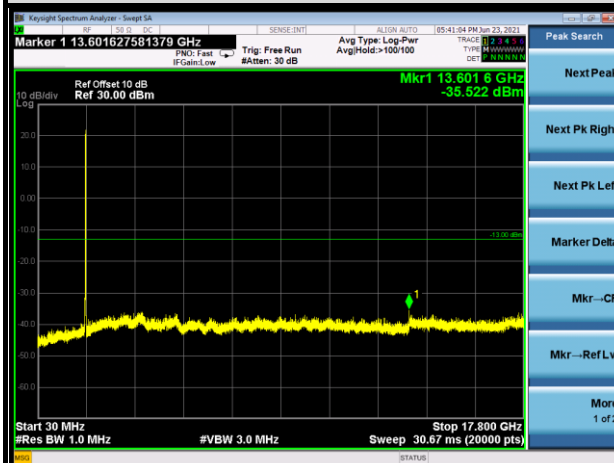
CHANNEL 132322

FREQUENCY RANGE : 30MHz~17.80GHz



CHANNEL 132622

FREQUENCY RANGE : 30MHz~17.80GHz





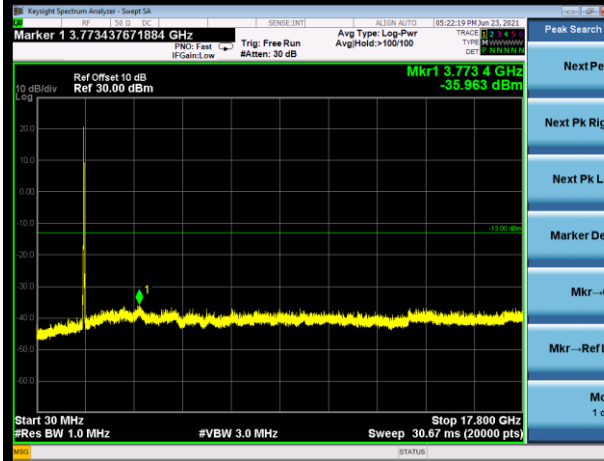
BUREAU VERITAS

Test Report No.: W7L-P21080006RF18

15MHz / QPSK

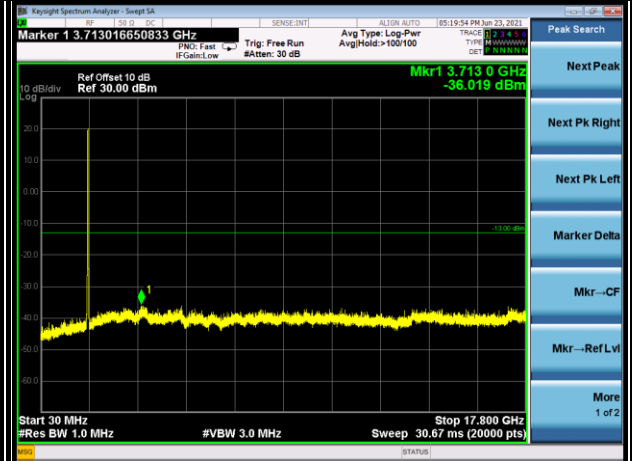
CHANNEL 132322

FREQUENCY RANGE : 30MHz~17.80GHz



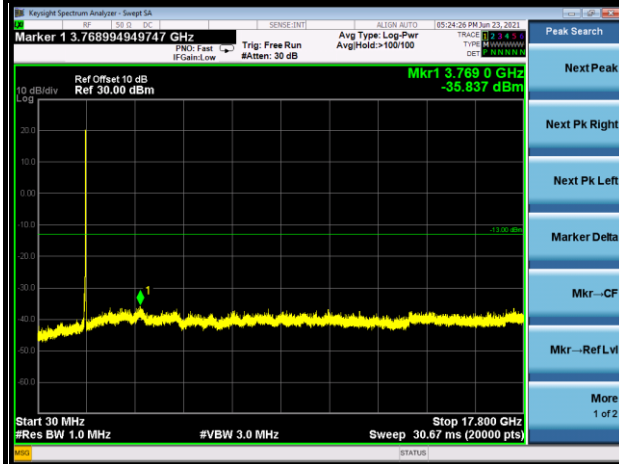
CHANNEL 132407

FREQUENCY RANGE : 30MHz~17.80GHz



CHANNEL 132597

FREQUENCY RANGE : 30MHz~17.80GHz



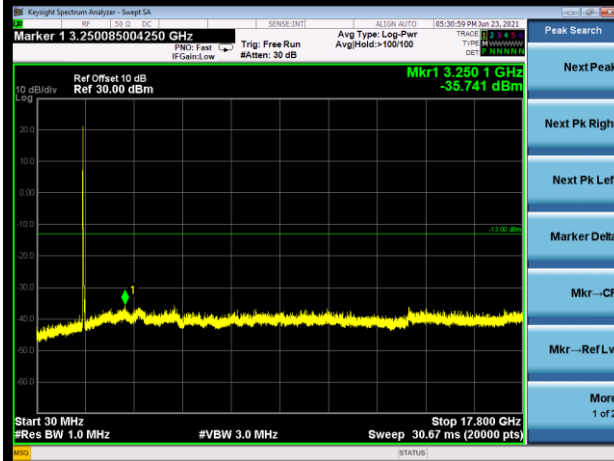


Test Report No.: W7L-P21080006RF18

20MHz / QPSK

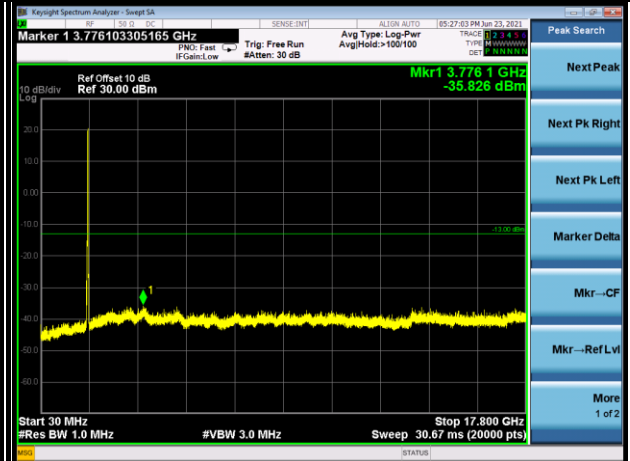
CHANNEL 132072

FREQUENCY RANGE : 30MHz~17.80GHz



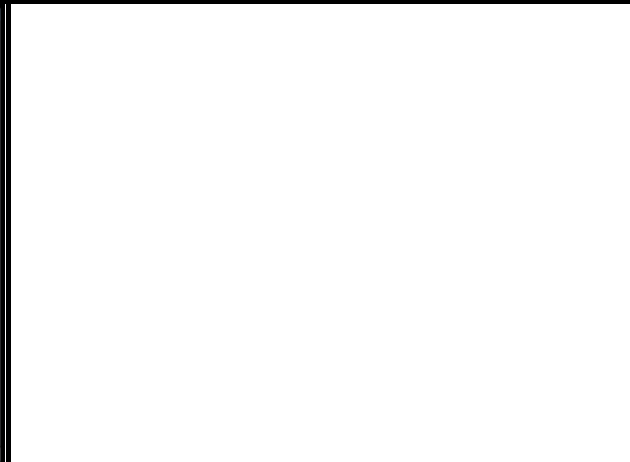
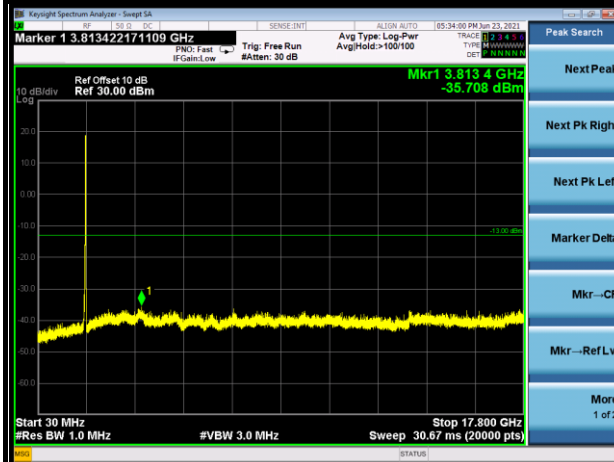
CHANNEL 132322

FREQUENCY RANGE : 30MHz~17.80GHz



CHANNEL 132572

FREQUENCY RANGE : 30MHz~17.80GHz



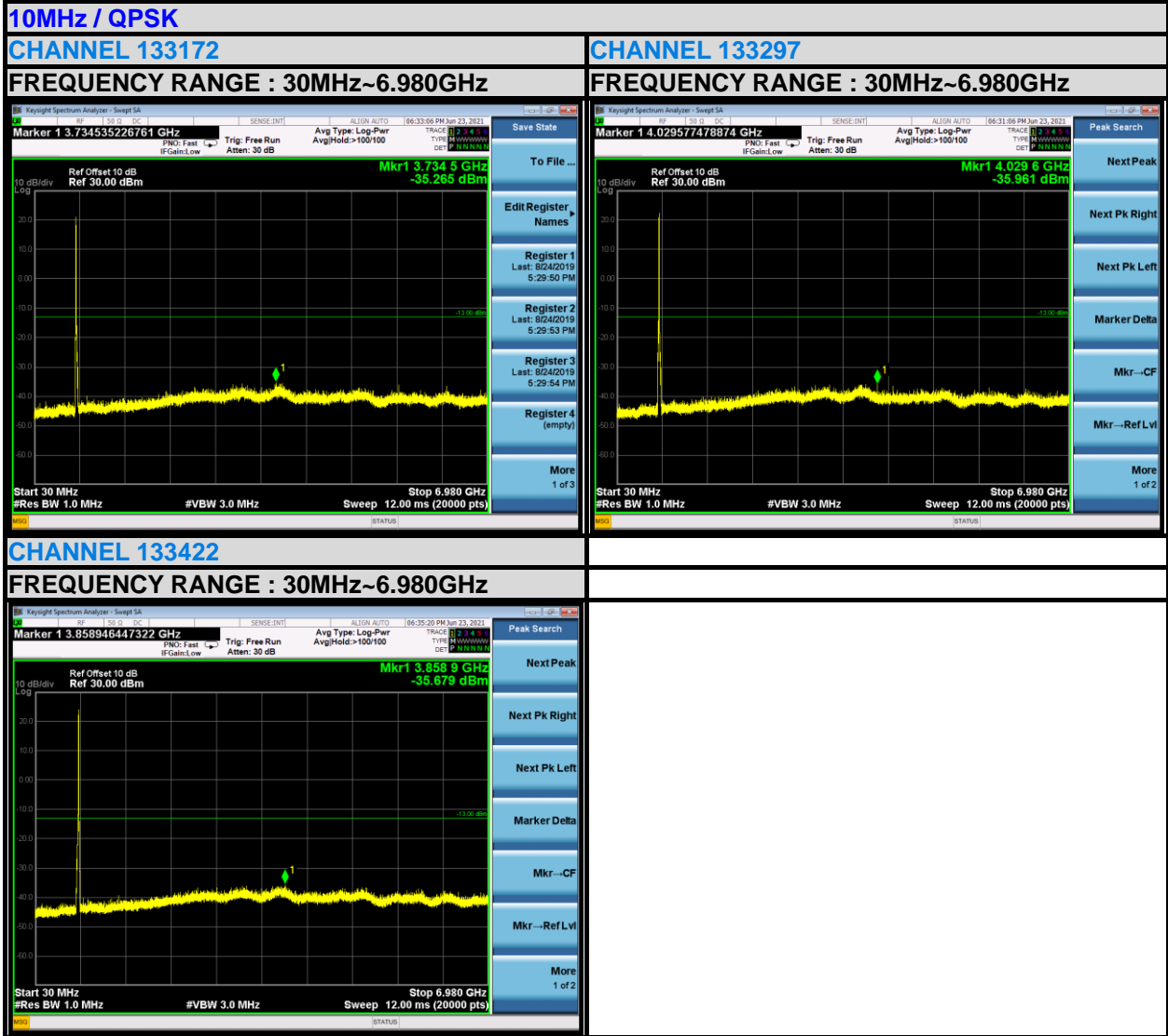


BUREAU VERITAS

Test Report No.: W7L-P21080006RF18

LTE BAND 71

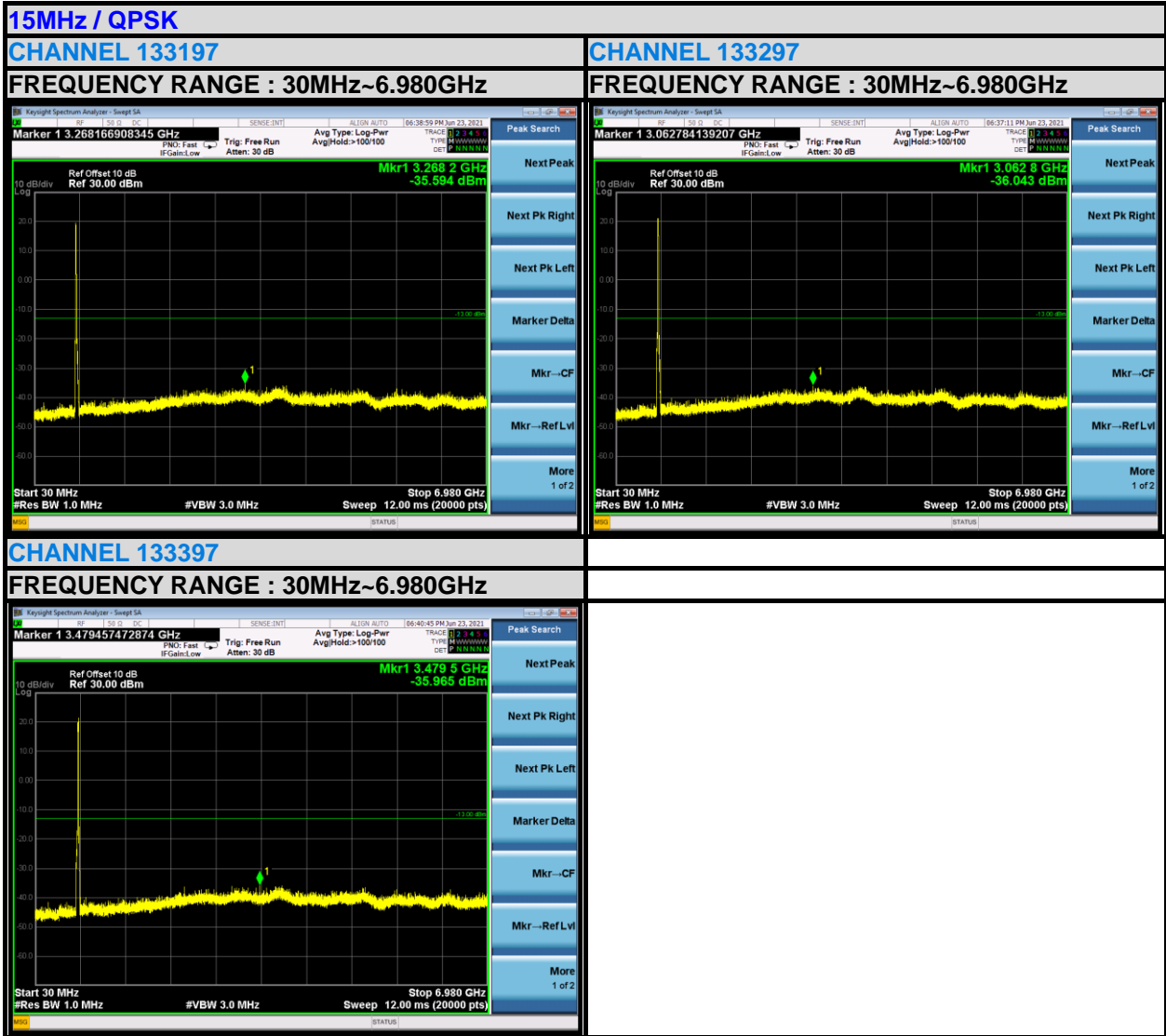






BUREAU VERITAS

Test Report No.: W7L-P21080006RF18





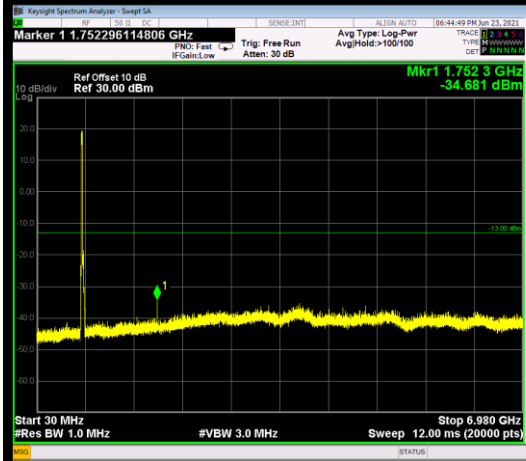
BUREAU VERITAS

Test Report No.: W7L-P21080006RF18

20MHz / QPSK

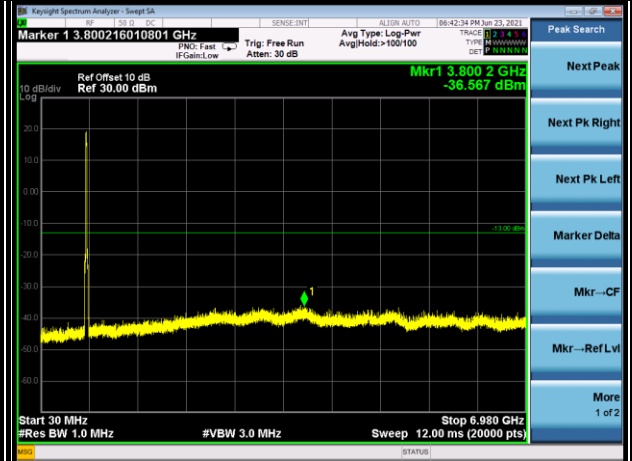
CHANNEL 133222

FREQUENCY RANGE : 30MHz~6.980GHz



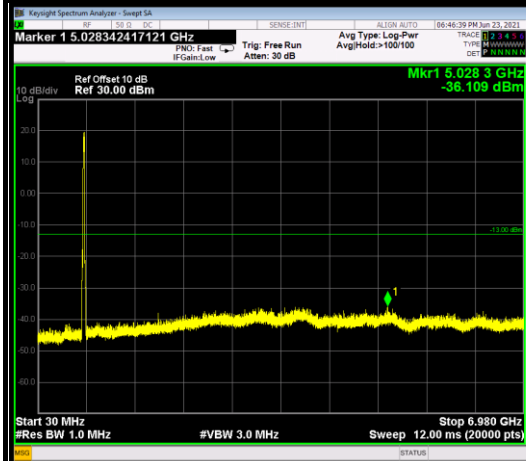
CHANNEL 133297

FREQUENCY RANGE : 30MHz~6.980GHz



CHANNEL 133372

FREQUENCY RANGE : 30MHz~6.980GHz





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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

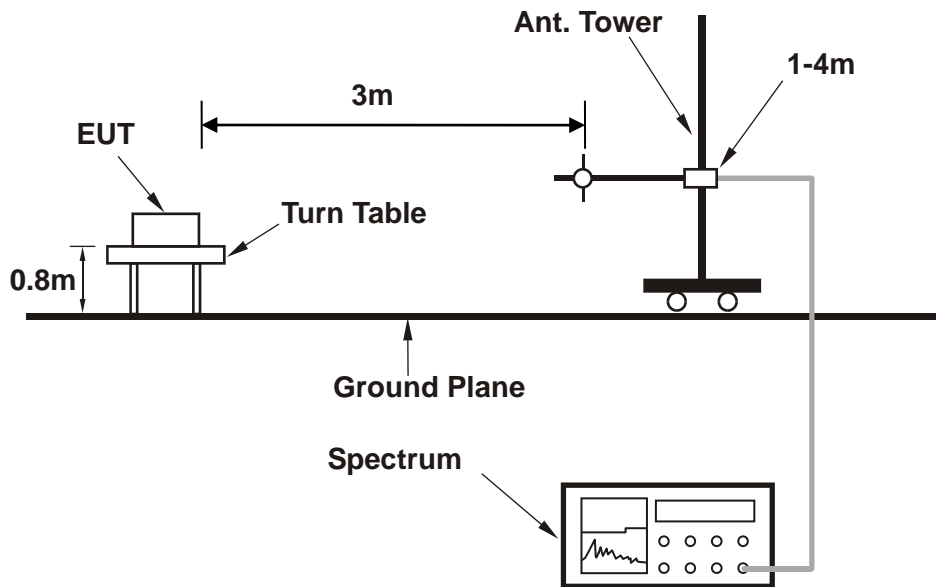
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

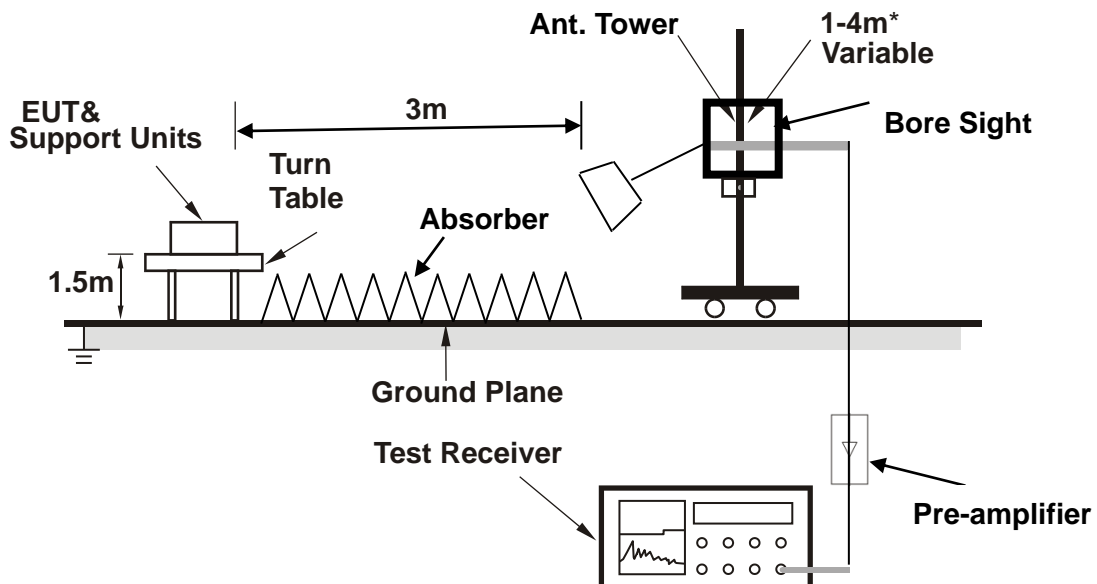
No deviation

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

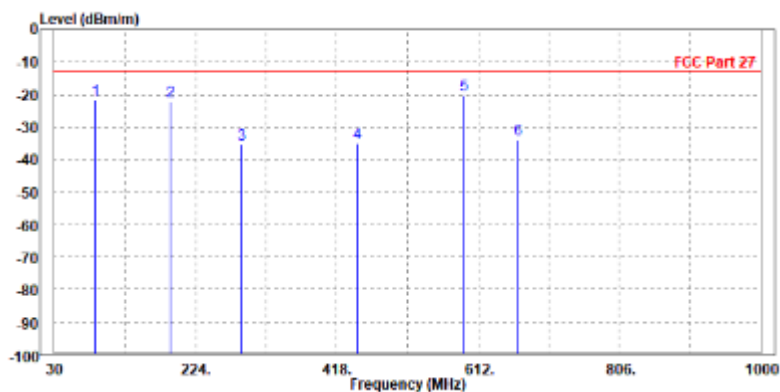
30 MHz – 1GHz data:

LTE Band 13

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 23255	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	86.260	-21.76	-29.60	-13.00	-8.76	7.84	Peak	Horizontal
2	189.080	-22.02	-32.58	-13.00	-9.02	10.56	Peak	Horizontal
3	288.020	-35.22	-49.03	-13.00	-22.22	13.81	Peak	Horizontal
4	446.130	-34.98	-52.71	-13.00	-21.98	17.73	Peak	Horizontal
5 PP	592.600	-20.11	-40.66	-13.00	-7.11	20.55	Peak	Horizontal
6	666.320	-33.65	-55.68	-13.00	-20.65	22.03	Peak	Horizontal

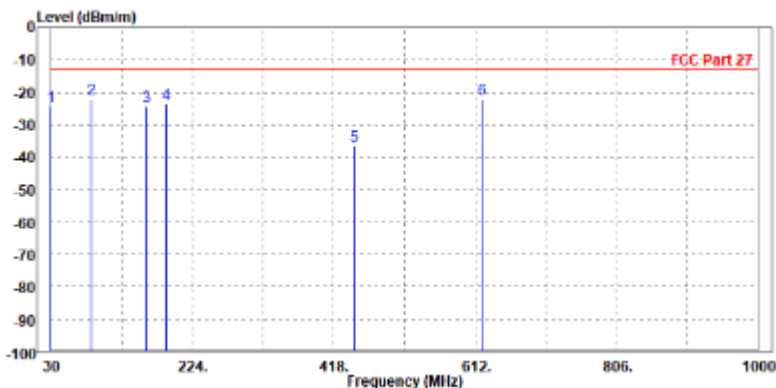




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23255	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	30.000	-24.49	-44.69	-13.00	-11.49	20.20	Peak	Vertical
2	84.320	-22.04	-30.43	-13.00	-9.04	8.39	Peak	Vertical
3	159.900	-24.41	-35.91	-13.00	-11.41	11.50	Peak	Vertical
4	188.110	-23.58	-34.37	-13.00	-10.58	10.79	Peak	Vertical
5	446.130	-36.65	-54.73	-13.00	-23.65	18.08	Peak	Vertical
6 PP	621.700	-21.87	-43.07	-13.00	-8.87	21.20	Peak	Vertical





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Test Report No.: W7L-P21080006RF18

ABOVE 1GHz

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

WORST-CASE DATA

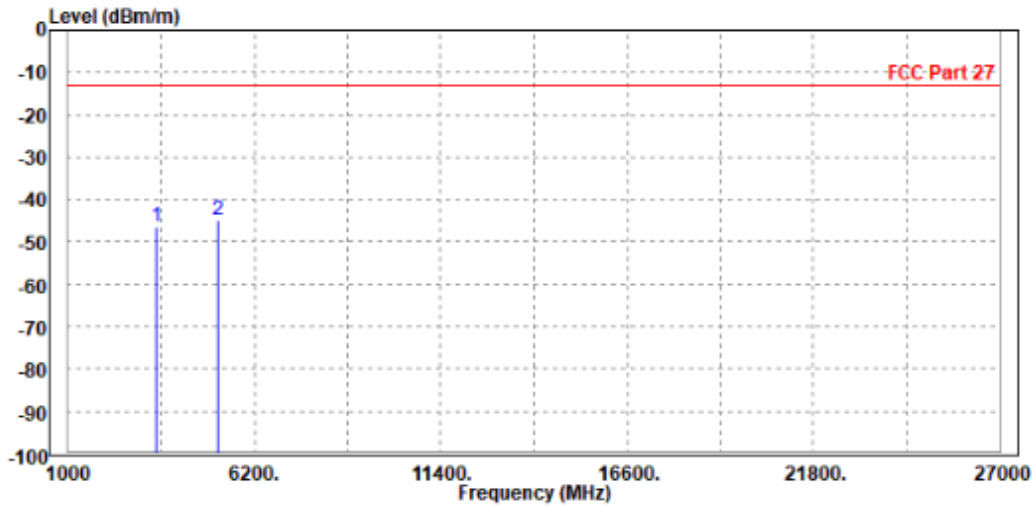
LTE Band 4

CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH 20175

MODE	TX channel 20175	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	3470.000	-46.27	-54.85	-13.00	-33.27	8.58	Peak	Horizontal
2 PP	5197.500	-44.70	-53.82	-13.00	-31.70	9.12	Peak	Horizontal

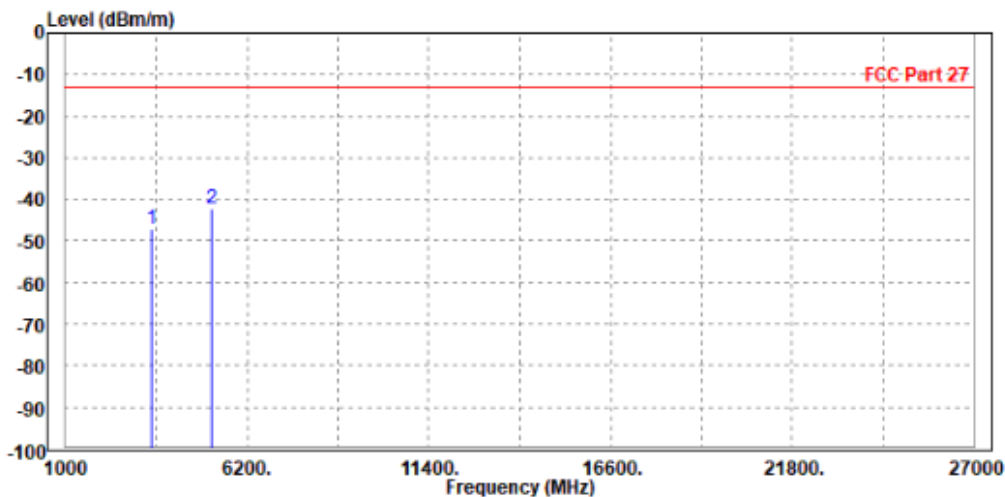




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-47.03	-56.19	-13.00	-34.03	9.16	Peak	Vertical
2 PP	5197.500	-42.08	-51.90	-13.00	-29.08	9.82	Peak	Vertical





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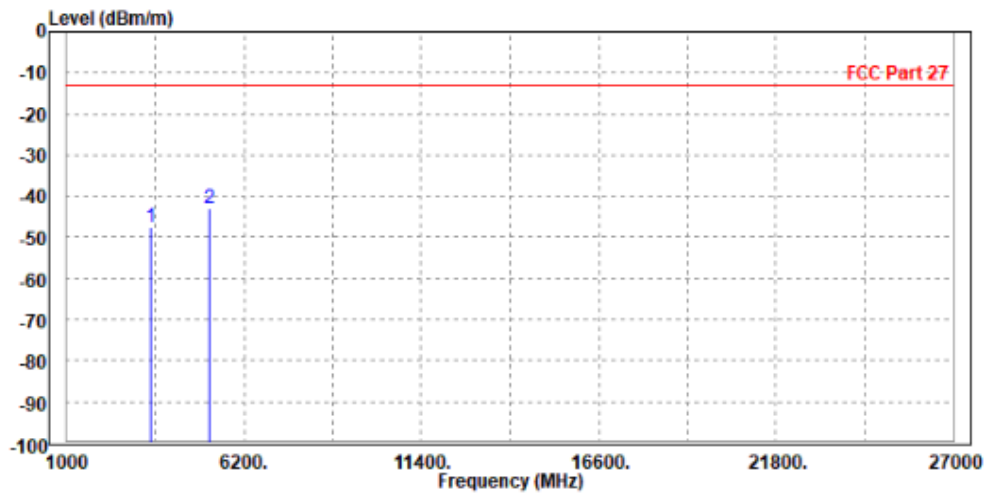
Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 3MHz / QPSK

CH 20175

MODE	TX channel 20175	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	3470.000	-47.61	-56.19	-13.00	-34.61	8.58	Peak	Horizontal
2 PP	5197.500	-42.99	-52.11	-13.00	-29.99	9.12	Peak	Horizontal

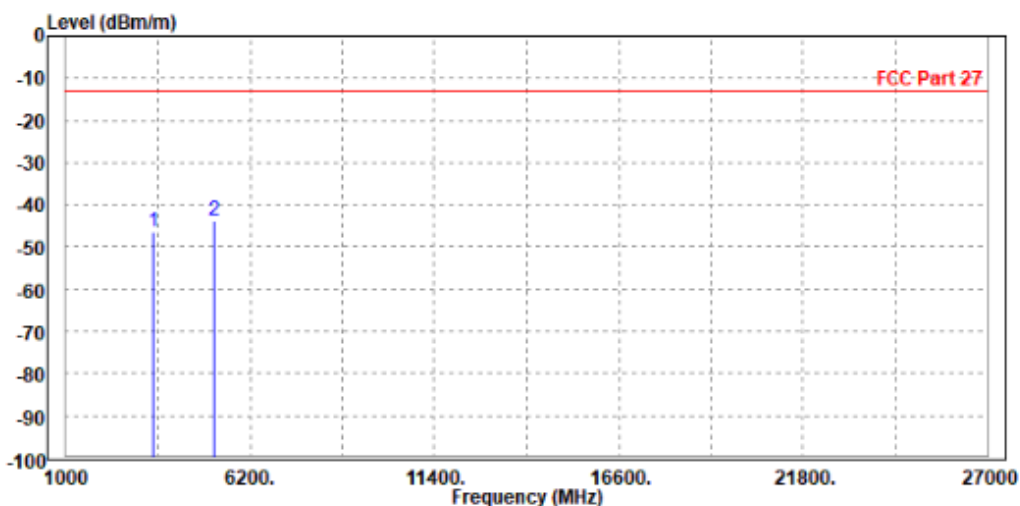




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-46.40	-55.56	-13.00	-33.40	9.16	Peak	Vertical
2 PP	5197.500	-43.58	-53.40	-13.00	-30.58	9.82	Peak	Vertical





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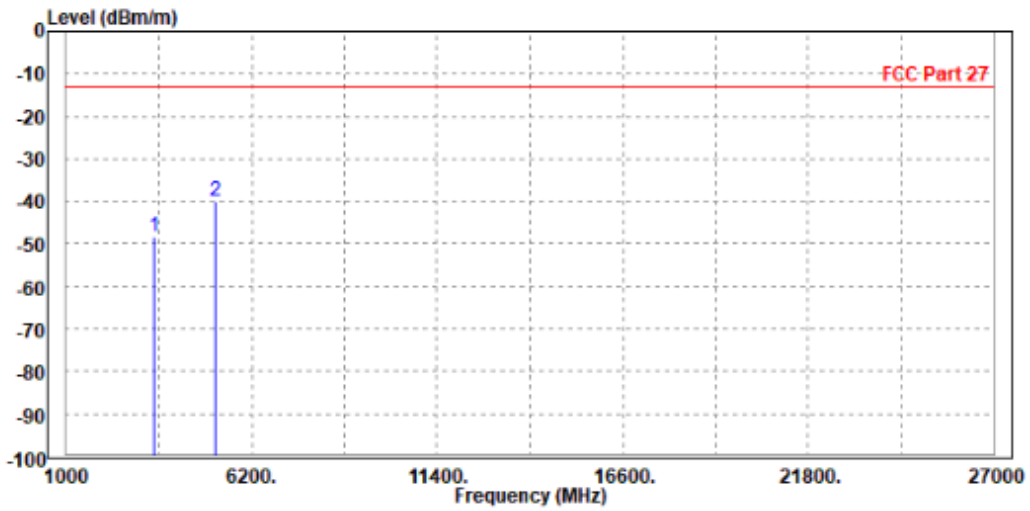
Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 5MHz / QPSK

CH 20175

MODE	TX channel 20175	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	3470.000	-48.33	-56.91	-13.00	-35.33	8.58	Peak	Horizontal
2 PP	5197.500	-39.89	-49.01	-13.00	-26.89	9.12	Peak	Horizontal



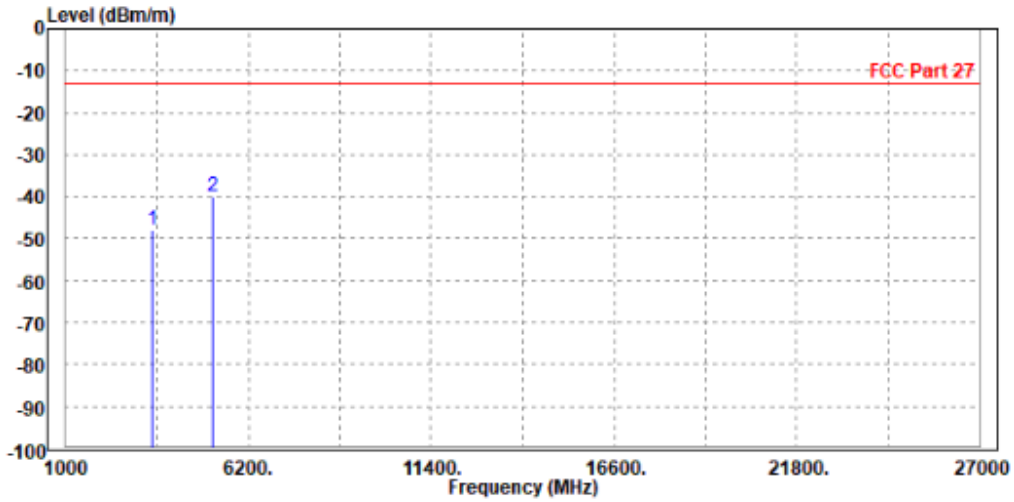


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Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-48.01	-57.17	-13.00	-35.01	9.16	Peak	Vertical
2 PP	5197.500	-39.96	-49.78	-13.00	-26.96	9.82	Peak	Vertical





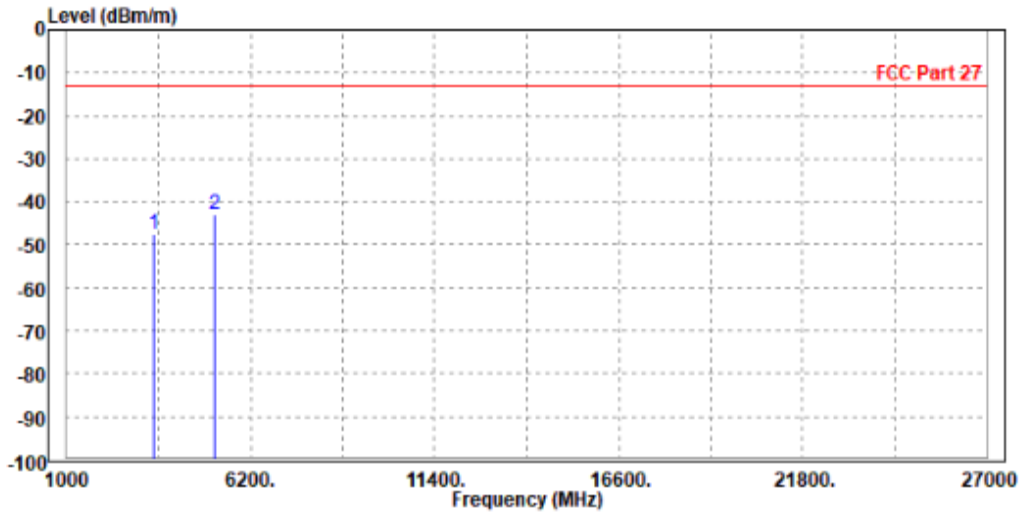
BUREAU VERITAS

Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 20175	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	3470.000	-47.36	-55.94	-13.00	-34.36	8.58	Peak	Horizontal
2 PP	5197.500	-42.97	-52.09	-13.00	-29.97	9.12	Peak	Horizontal

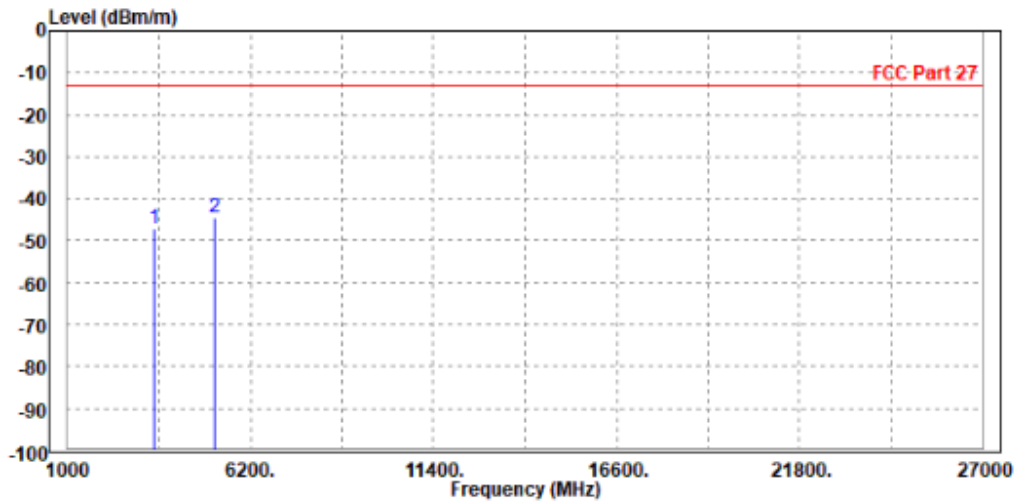




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-47.09	-56.25	-13.00	-34.09	9.16	Peak	Vertical
2 PP	5197.500	-44.61	-54.43	-13.00	-31.61	9.82	Peak	Vertical





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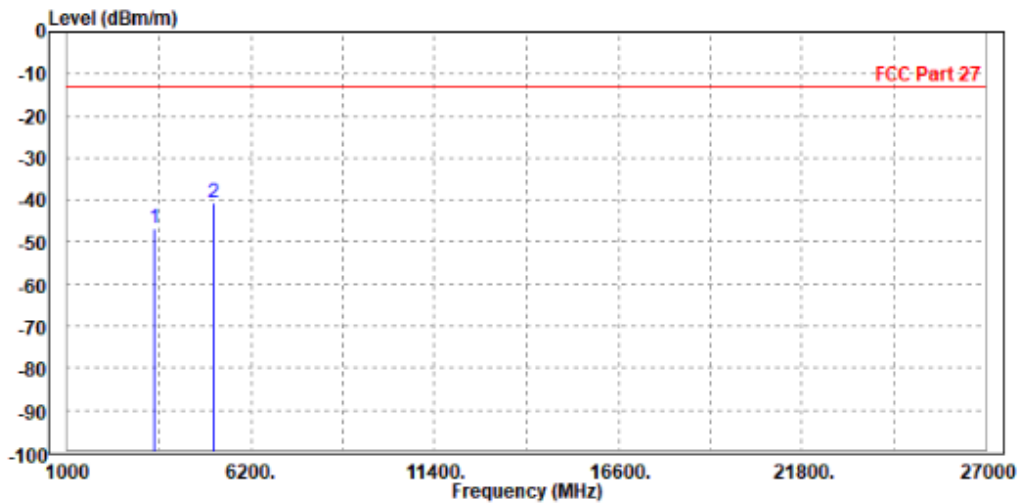
Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 15MHz / QPSK

CH20025

MODE	TX channel 20025	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	3444.000	-46.91	-55.49	-13.00	-33.91	8.58	Peak	Horizontal
2 PP	5152.500	-40.78	-49.76	-13.00	-27.78	8.98	Peak	Horizontal

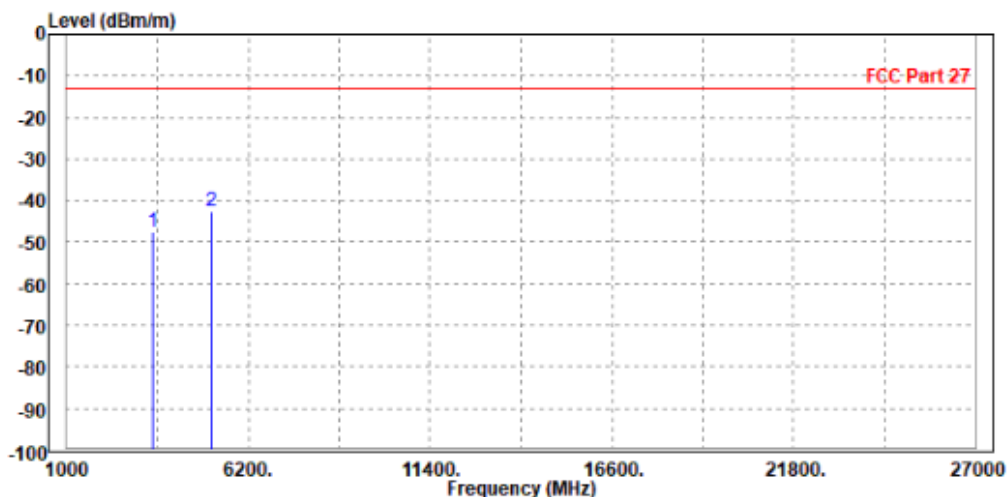




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20025	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	3444.000	-47.63	-56.77	-13.00	-34.63	9.14	Peak	Vertical
2 PP	5152.500	-42.61	-52.45	-13.00	-29.61	9.84	Peak	Vertical



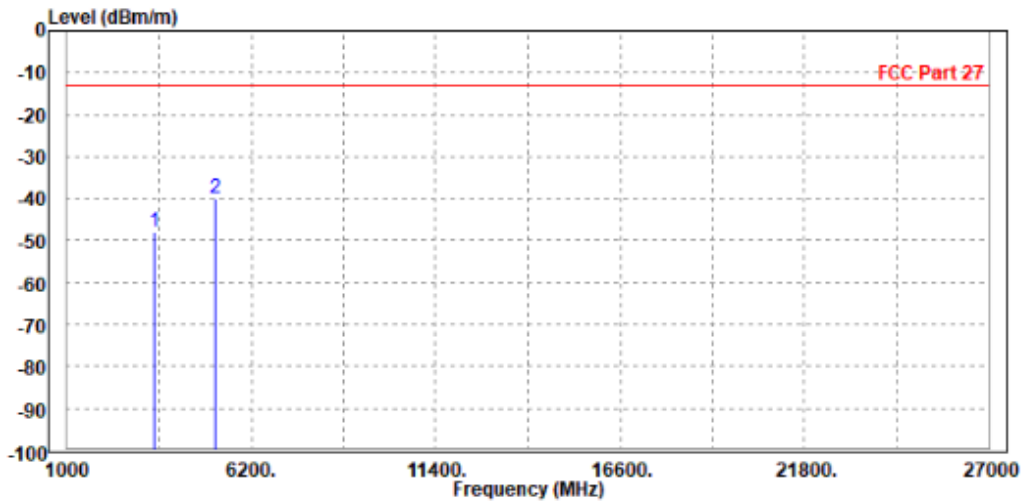


Test Report No.: W7L-P21080006RF18

CH20175

MODE	TX channel 20175	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	3470.000	-48.03	-56.61	-13.00	-35.03	8.58	Peak	Horizontal
2 PP	5197.500	-39.88	-49.00	-13.00	-26.88	9.12	Peak	Horizontal

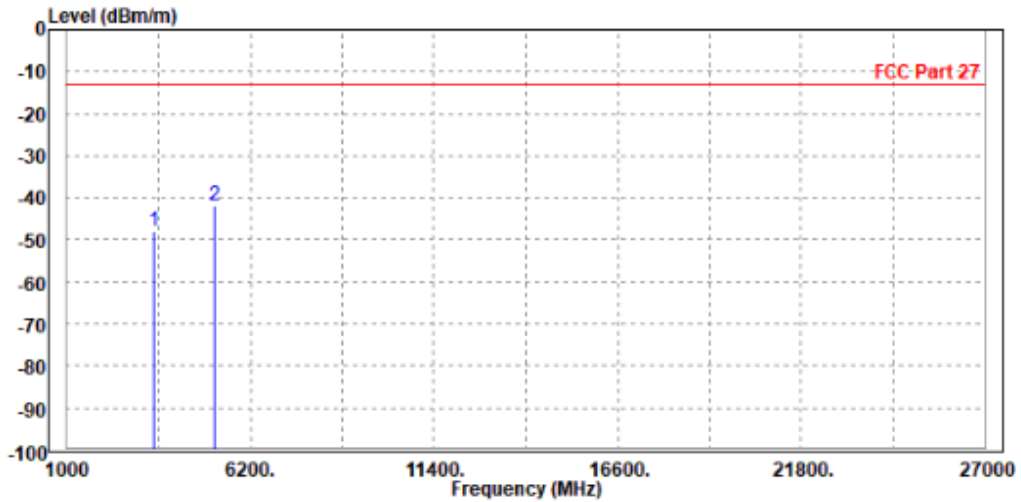




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-47.77	-56.93	-13.00	-34.77	9.16	Peak	Vertical
2 PP	5197.500	-41.68	-51.50	-13.00	-28.68	9.82	Peak	Vertical



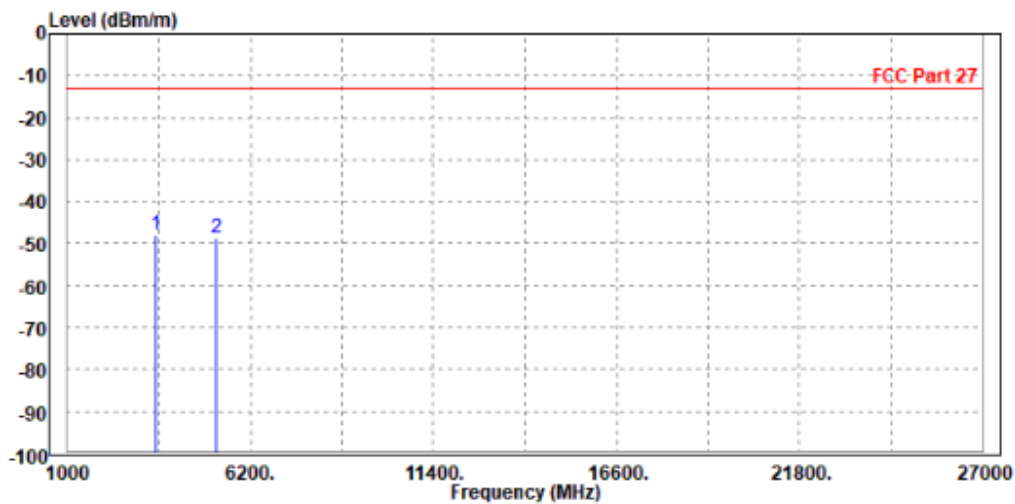


Test Report No.: W7L-P21080006RF18

CH20325

MODE	TX channel 20325	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	-47.77	-56.34	-13.00	-34.77	8.57	Peak	Horizontal
2	5242.500	-48.84	-58.09	-13.00	-35.84	9.25	Peak	Horizontal

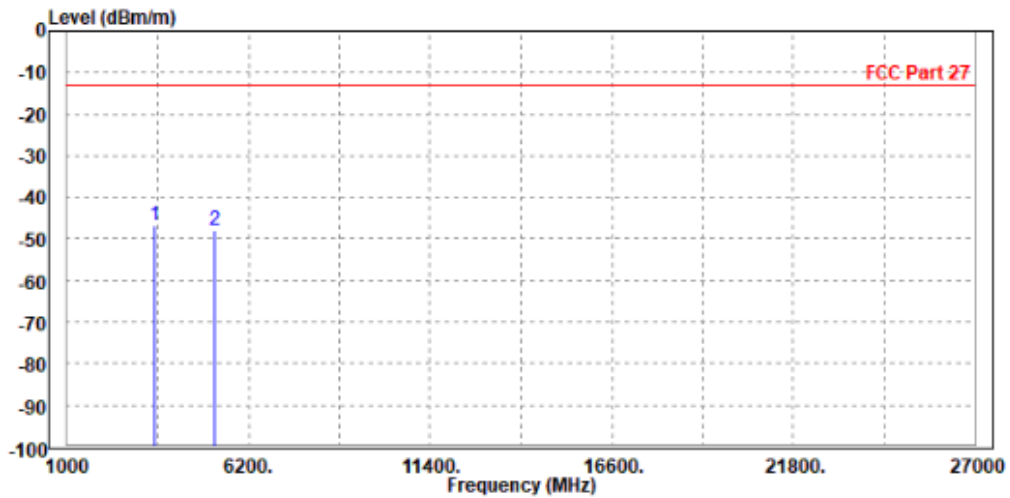




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20325	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	-46.80	-55.99	-13.00	-33.80	9.19	Peak	Vertical
2	5242.500	-47.93	-57.73	-13.00	-34.93	9.80	Peak	Vertical





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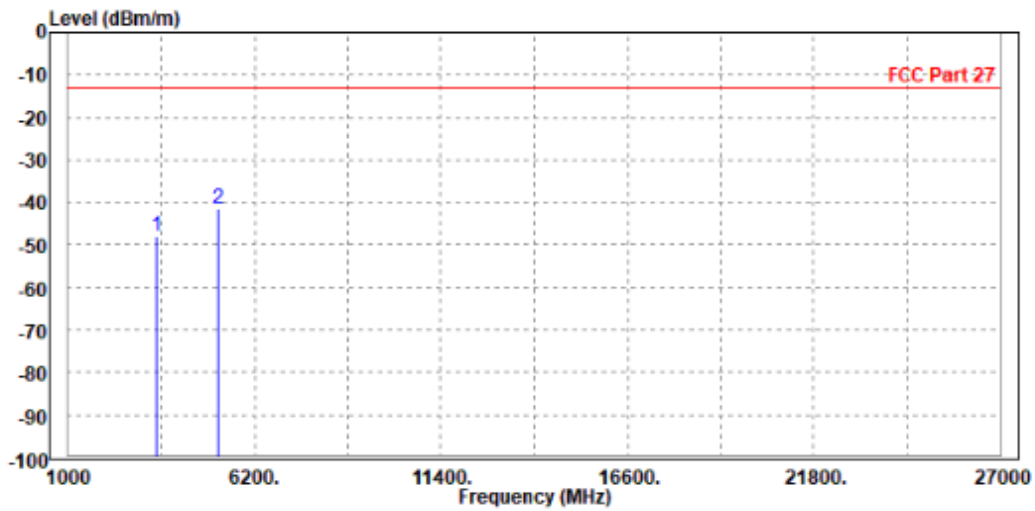
Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 20MHz / QPSK

CH 20175

MODE	TX channel 20175	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	3470.000	-47.92	-56.50	-13.00	-34.92	8.58	Peak	Horizontal
2 PP	5197.500	-41.50	-50.62	-13.00	-28.50	9.12	Peak	Horizontal

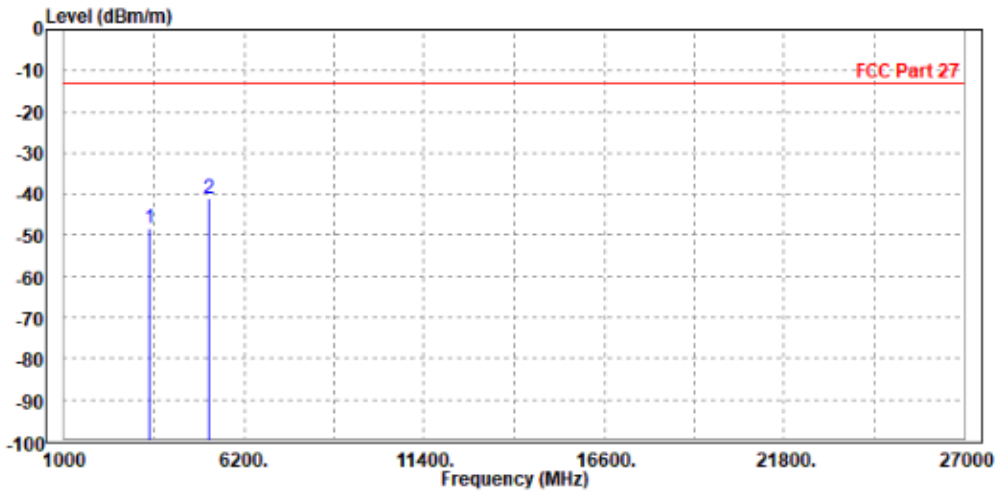




Test Report No.: W7L-P21080006RF18

MODE	TX channel 20175	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	-48.21	-57.37	-13.00	-35.21	9.16	Peak	Vertical
2 PP	5197.500	-41.16	-50.98	-13.00	-28.16	9.82	Peak	Vertical





**BUREAU
VERITAS**

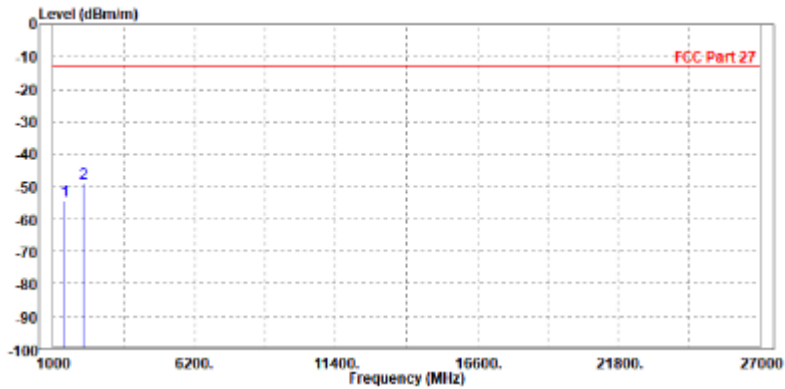
Test Report No.: W7L-P21080006RF18

LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 23095	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	1416.000	-54.47	-55.55	-13.00	-41.47	1.08	Peak	Horizontal
2 PP	2122.500	-49.08	-56.75	-13.00	-36.08	7.67	Peak	Horizontal

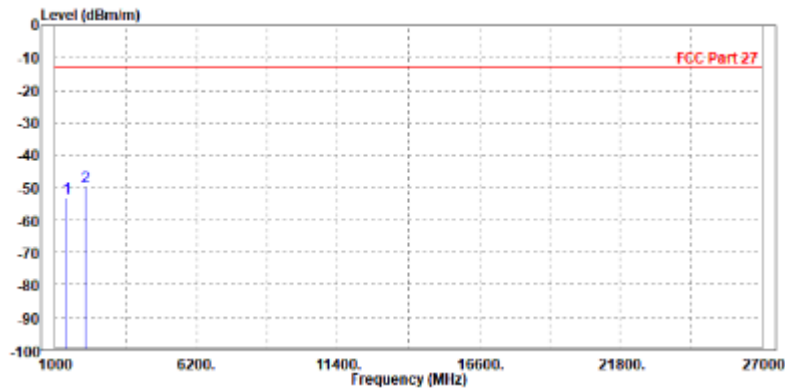




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23095	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	1416.000	-53.10	-54.79	-13.00	-40.10	1.69	Peak	Vertical
2 PP	2122.500	-49.68	-56.37	-13.00	-36.68	6.69	Peak	Vertical





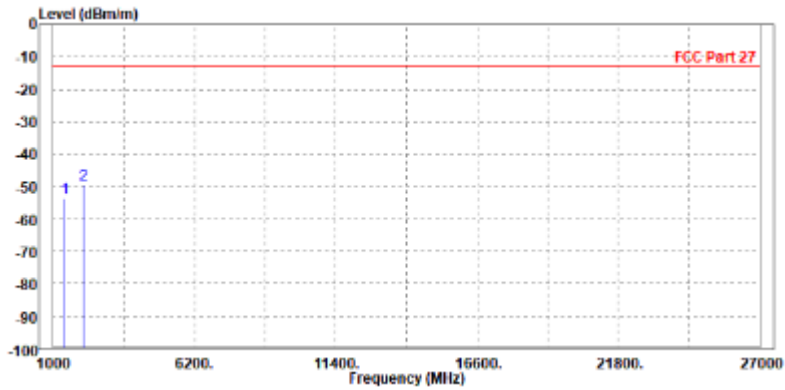
BUREAU VERITAS

Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 23095	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	1416.000	-53.51	-54.59	-13.00	-40.51	1.08	Peak	Horizontal
2 PP	2122.500	-49.41	-57.08	-13.00	-36.41	7.67	Peak	Horizontal

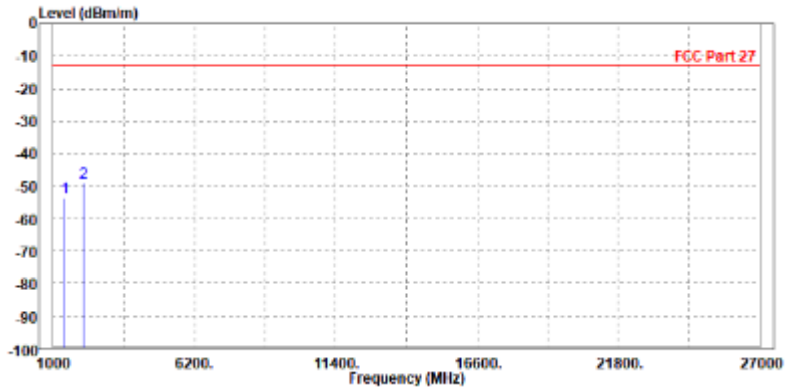




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23095	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	1416.000	-53.64	-55.33	-13.00	-40.64	1.69	Peak	Vertical
2 PP	2122.500	-49.13	-55.82	-13.00	-36.13	6.69	Peak	Vertical



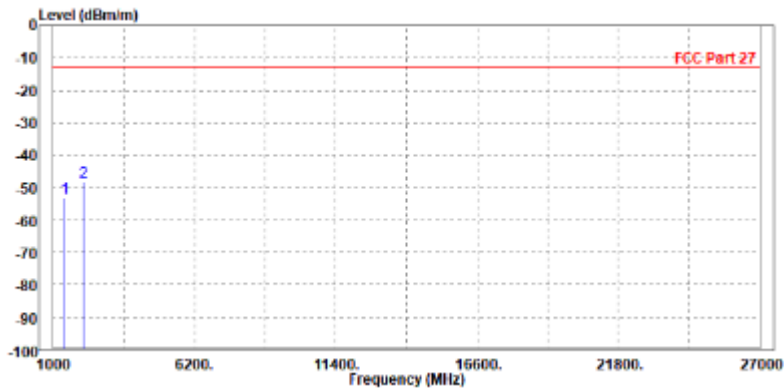


Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 23095	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	Over	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-53.27	-54.35	-13.00	-40.27	1.08	Peak	Horizontal
2 PP	2122.500	-48.43	-56.10	-13.00	-35.43	7.67	Peak	Horizontal

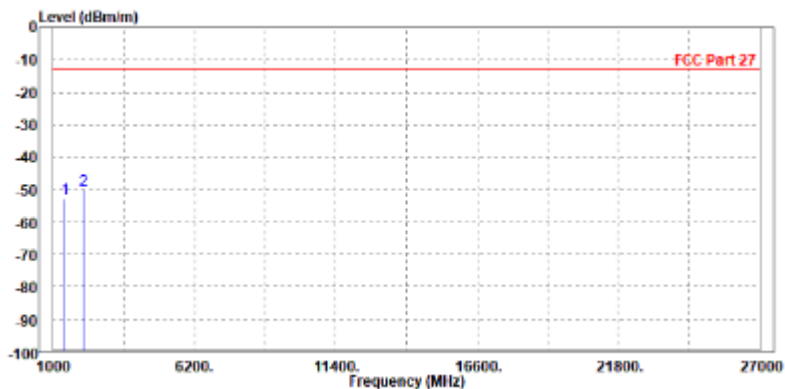




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23095	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	1416.000	-53.03	-54.72	-13.00	-40.03	1.69	Peak	Vertical
2 PP	2122.500	-50.02	-56.71	-13.00	-37.02	6.69	Peak	Vertical





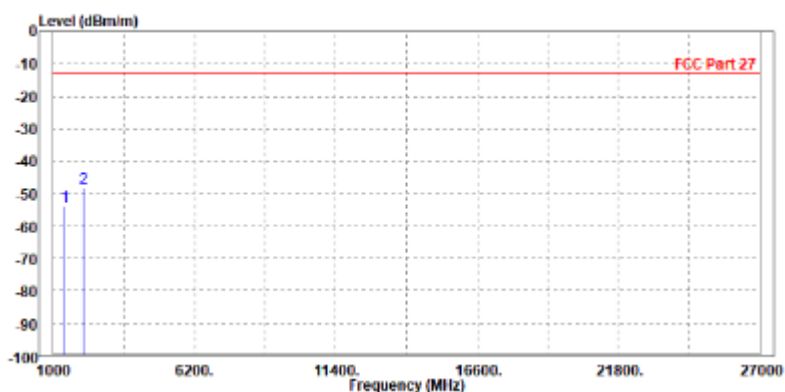
Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 10MHz / QPSK

CH23060

MODE	TX channel 23060	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	Factor	Remark	Pol/Phase
			Level	Line	Limit			
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-53.95	-55.03	-13.00	-40.95	1.08	Peak	Horizontal
2 PP	2112.000	-48.40	-56.06	-13.00	-35.40	7.66	Peak	Horizontal

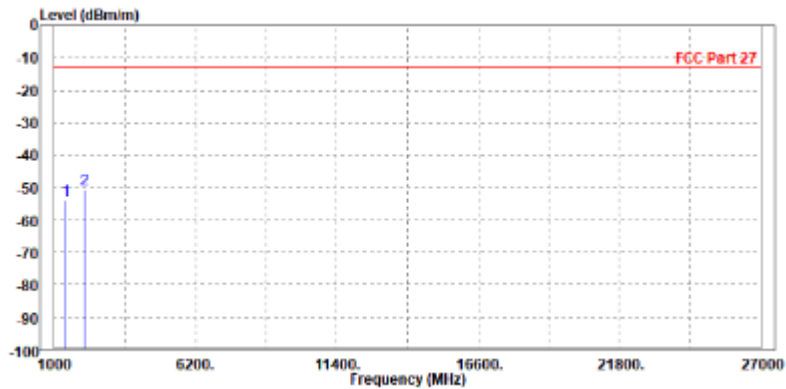




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23060	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	1416.000	-53.81	-55.50	-13.00	-40.81	1.69	Peak	Vertical
2	PP 2112.000	-50.52	-57.20	-13.00	-37.52	6.68	Peak	Vertical



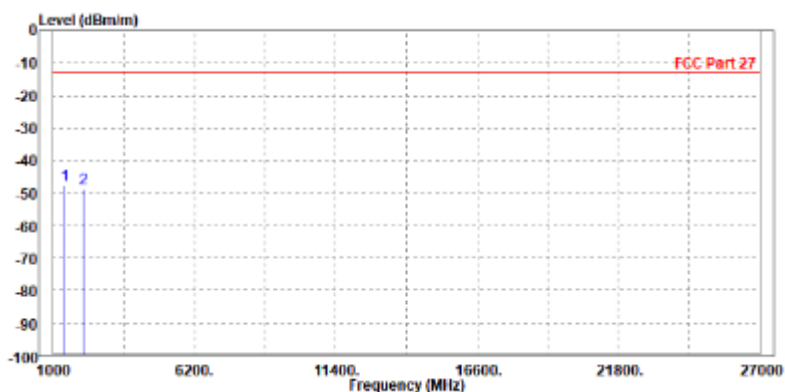


Test Report No.: W7L-P21080006RF18

CH23095

MODE	TX channel 23095	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 1416.000	-47.48	-48.56	-13.00	-34.48	1.08	Peak	Horizontal
2	2122.500	-48.52	-56.19	-13.00	-35.52	7.67	Peak	Horizontal

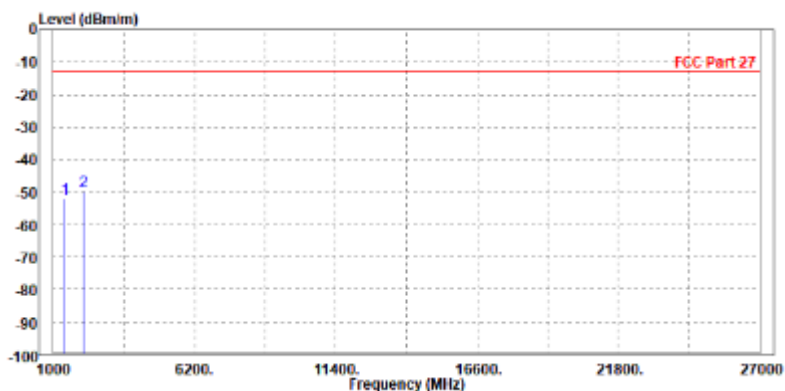




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23095	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	1416.000	-51.97	-53.66	-13.00	-38.97	1.69	Peak	Vertical
2 PP	2122.500	-49.99	-56.68	-13.00	-36.99	6.69	Peak	Vertical



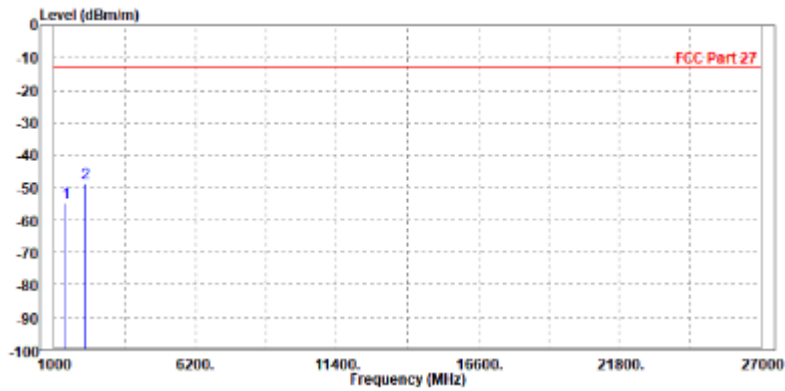


Test Report No.: W7L-P21080006RF18

CH23130

MODE	TX channel 23130	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	1416.000	-54.61	-55.69	-13.00	-41.61	1.08	Peak	Horizontal
2 PP	2133.000	-48.77	-56.45	-13.00	-35.77	7.68	Peak	Horizontal



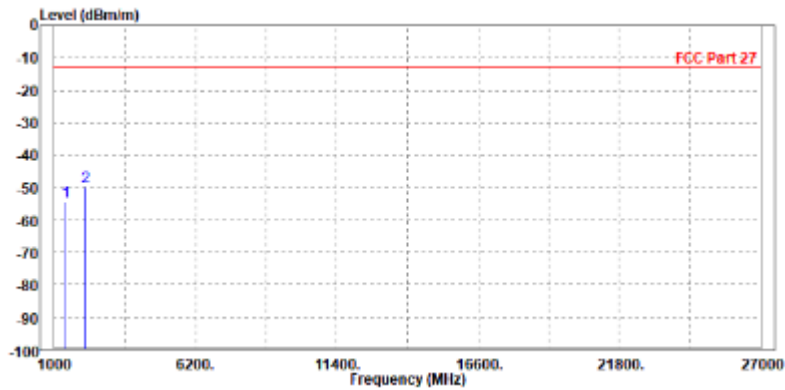


**BUREAU
VERITAS**

Test Report No.: W7L-P21080006RF18

MODE	TX channel 23130	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	1416.000	-54.39	-56.08	-13.00	-41.39	1.69	Peak	Vertical
2 PP	2133.000	-49.64	-56.34	-13.00	-36.64	6.70	Peak	Vertical





Test Report No.: W7L-P21080006RF18

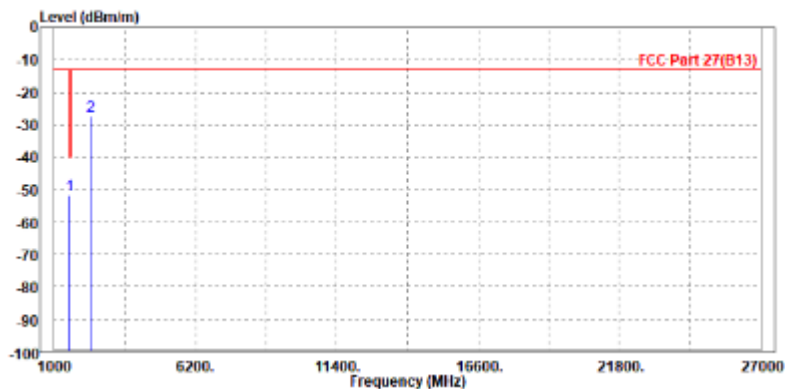
LTE B13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

MODE	TX channel 23205	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	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-51.57	-53.89	-40.00	-11.57	2.32	Peak	Horizontal
2	2338.500	-27.53	-35.42	-13.00	-14.53	7.89	Peak	Horizontal

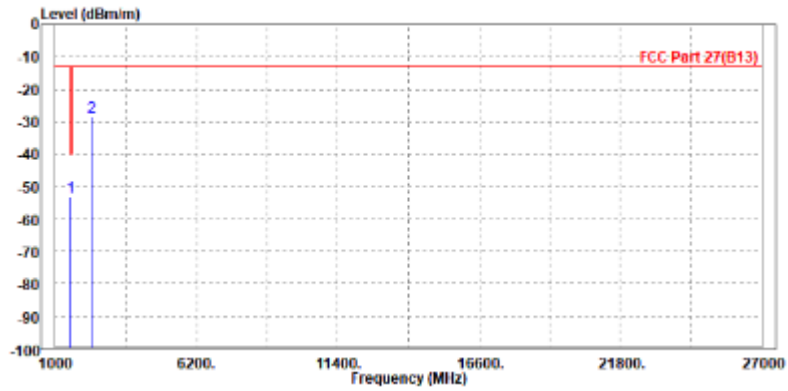




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23205	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 1572.000	-53.12	-55.82	-40.00	-13.12	2.70	Peak	Vertical
2	2338.500	-28.52	-35.42	-13.00	-15.52	6.90	Peak	Vertical



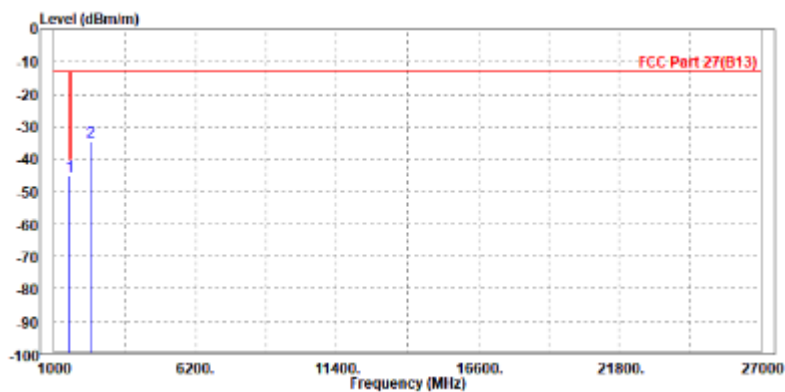


Test Report No.: W7L-P21080006RF18

CH23230

MODE	TX channel 23230	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 1572.000	-45.43	-47.75	-40.00	-5.43	2.32	Peak	Horizontal
2 2346.000	-34.60	-42.50	-13.00	-21.60	7.90	Peak	Horizontal

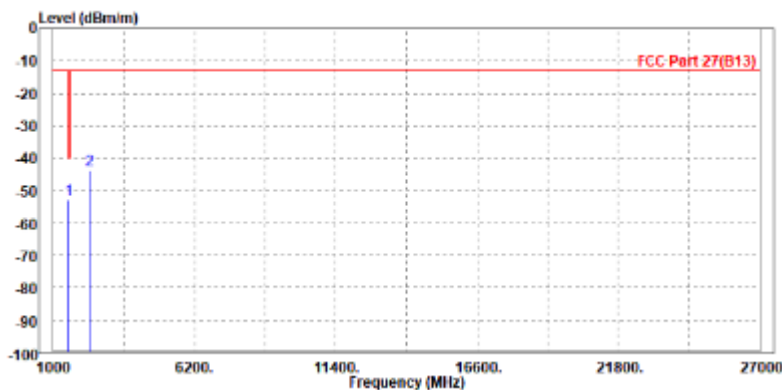




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23230	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 1572.000	-52.73	-55.43	-40.00	-12.73	2.70	Peak	Vertical
2	2346.000	-43.81	-50.72	-13.00	-30.81	6.91	Peak	Vertical



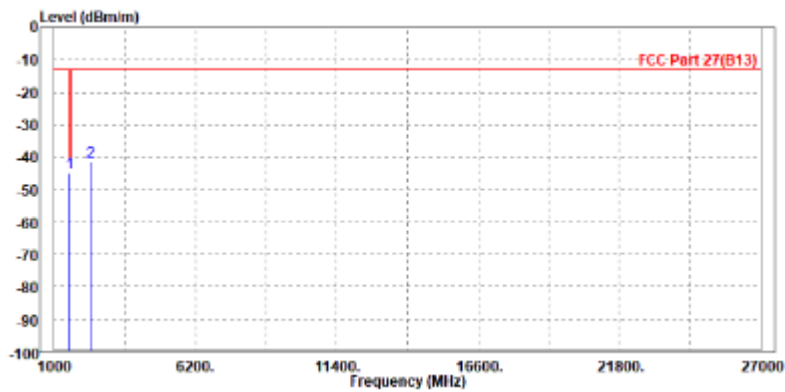


Test Report No.: W7L-P21080006RF18

CH23255

MODE	TX channel 23255	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 1572.000	-44.73	-47.05	-40.00	-4.73	2.32	Peak Horizontal
2 2353.500	-41.49	-49.39	-13.00	-28.49	7.90	Peak Horizontal

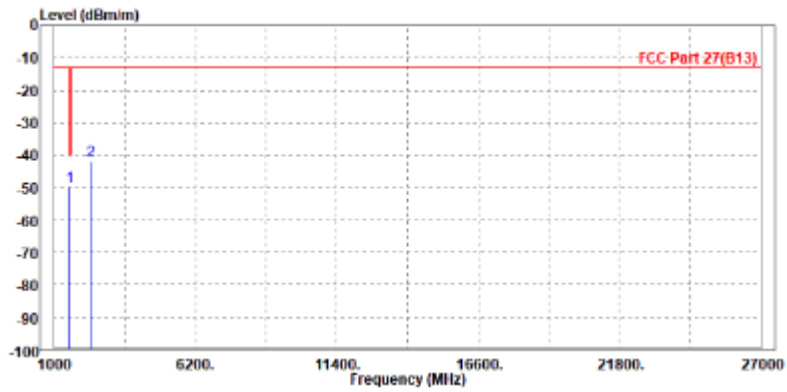




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23255	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 1572.000	-49.87	-52.57	-40.00	-9.87	2.70	Peak	Vertical
2	2353.500	-41.79	-48.71	-13.00	-28.79	6.92	Peak	Vertical



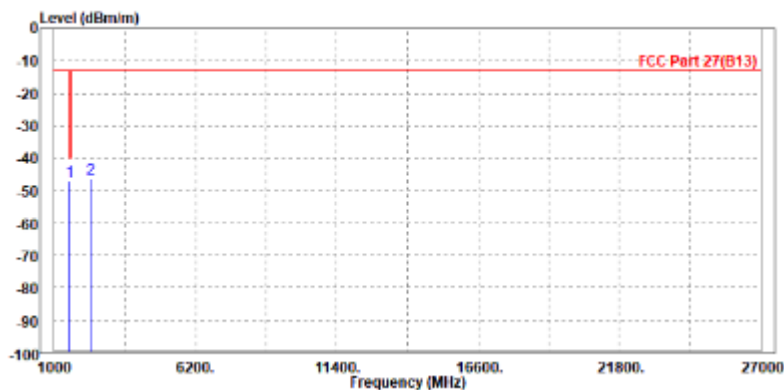


Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 10MHz /QPSK

MODE	TX channel 23230	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 1572.000	-47.16	-49.48	-40.00	-7.16	2.32	Peak	Horizontal
2 2346.000	-46.50	-54.40	-13.00	-33.50	7.90	Peak	Horizontal

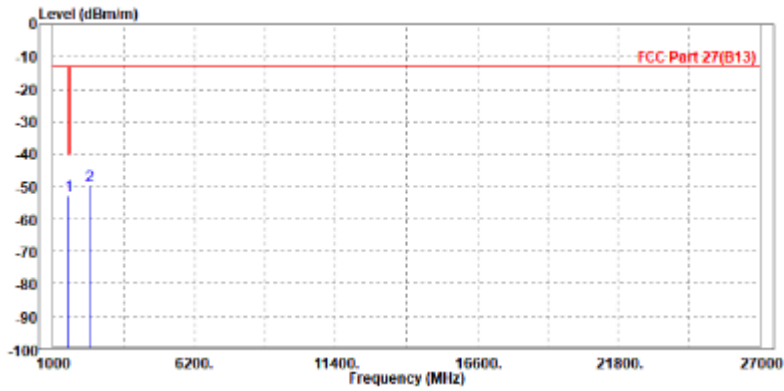




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23230	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 1572.000	-52.67	-55.37	-40.00	-12.67	2.70	Peak	Vertical
2	2346.000	-49.65	-56.56	-13.00	-36.65	6.91	Peak	Vertical





Test Report No.: W7L-P21080006RF18

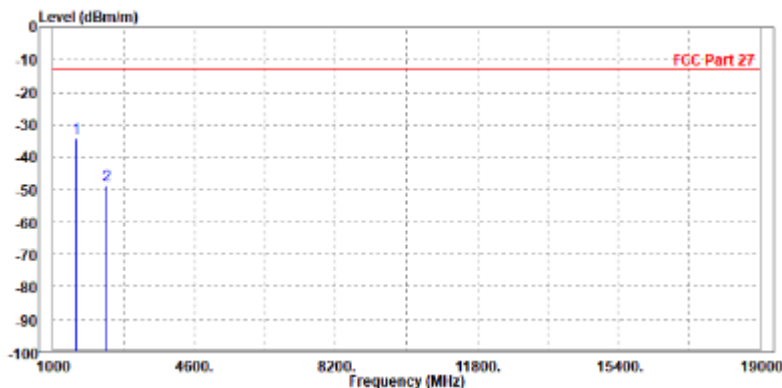
LTE B14

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23305

MODE	TX channel 23305	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	1576.000	-34.16	-36.53	-13.00	-21.16	2.37	Peak	Horizontal
2	2371.500	-48.67	-56.59	-13.00	-35.67	7.92	Peak	Horizontal

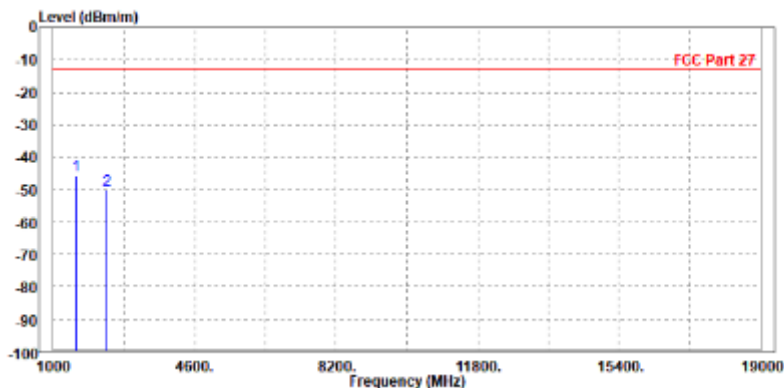




Test Report No.: W7L-P21080006RF18

MODE	TX channel 23305	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	Limit	Factor	Remark
MHz	dBm/m	dBm	dBm/m	dB	dB/m	
1 PP 1576.000	-45.79	-48.52	-13.00	-32.79	2.73	Peak Vertical
2 2371.500	-50.28	-57.22	-13.00	-37.28	6.94	Peak Vertical



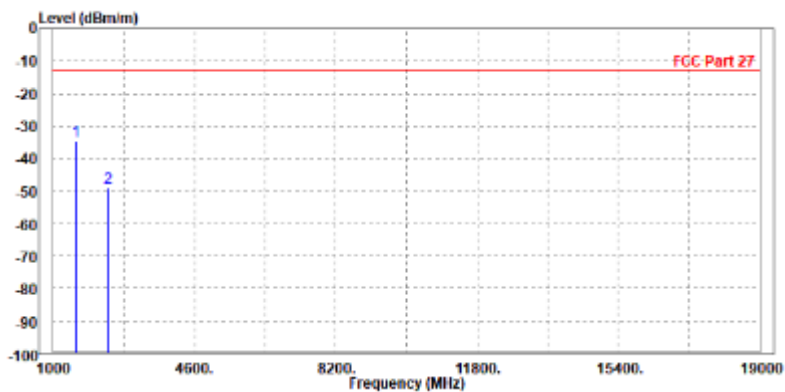


Test Report No.: W7L-P21080006RF18

CH23330

MODE	TX channel 23330	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 1594.000	-34.59	-37.18	-13.00	-21.59	2.59	Peak	Horizontal
2	2379.000	-48.95	-56.88	-13.00	-35.95	7.93	Peak	Horizontal





Test Report No.: W7L-P21080006RF18

MODE	TX channel 23330	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 1594.000	-46.64	-49.53	-13.00	-33.64	2.89	Peak	Vertical
2	2379.000	-49.36	-56.30	-13.00	-36.36	6.94	Peak	Vertical

