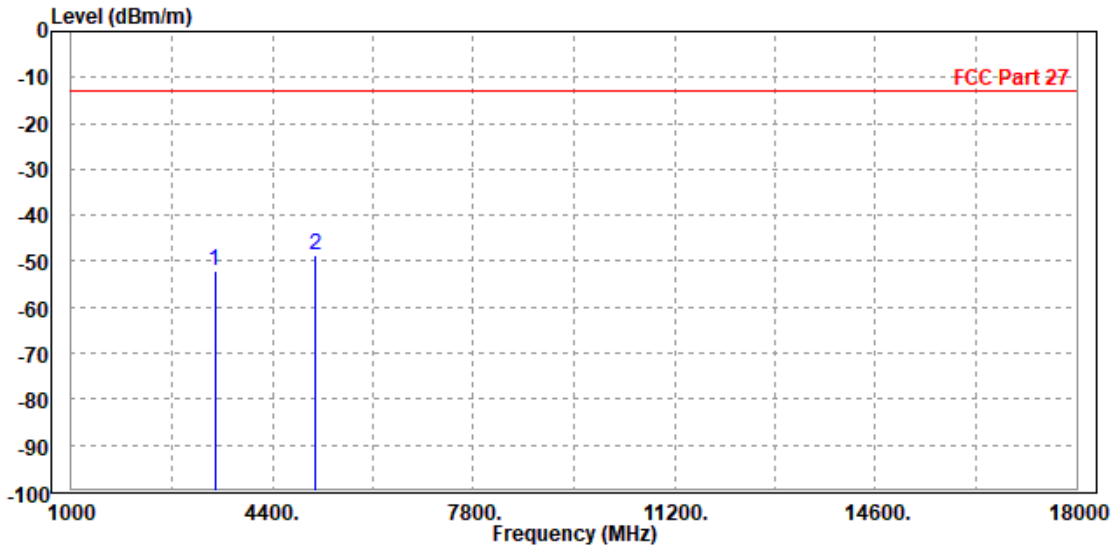




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 1312	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3424.800	-52.09	-59.29	-13.00	-39.09	7.20	Peak	Vertical
2 PP	5131.000	-48.62	-59.01	-13.00	-35.62	10.39	Peak	Vertical



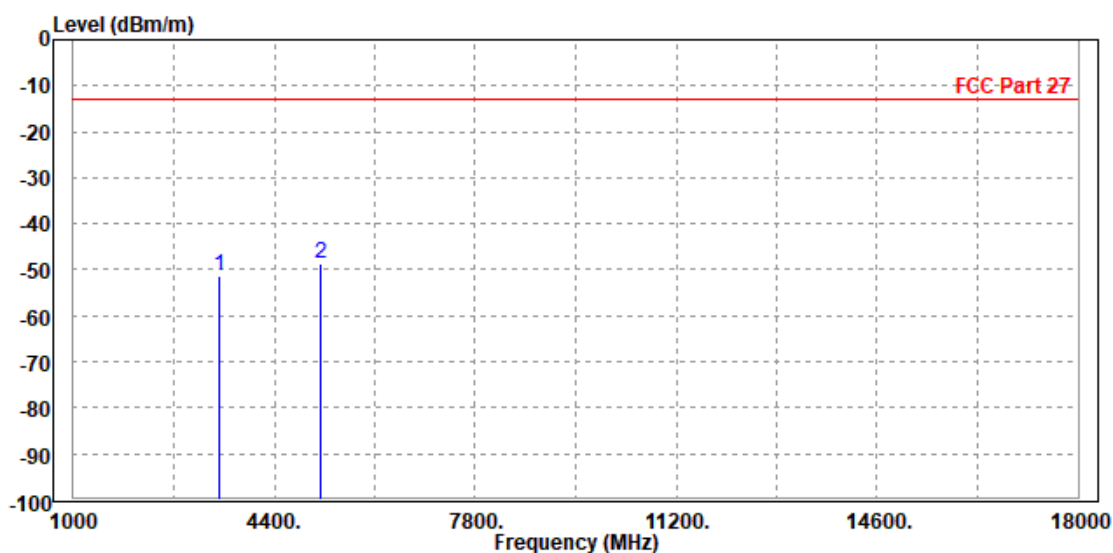


Test Report No.: W7L-221220W001RF03

CH 1413

<b>MODE</b>	TX channel 1413	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3465.000	-51.38	-58.65	-13.00	-38.38	7.27	Peak	Horizontal
2 PP	5197.800	-48.75	-58.75	-13.00	-35.75	10.00	Peak	Horizontal

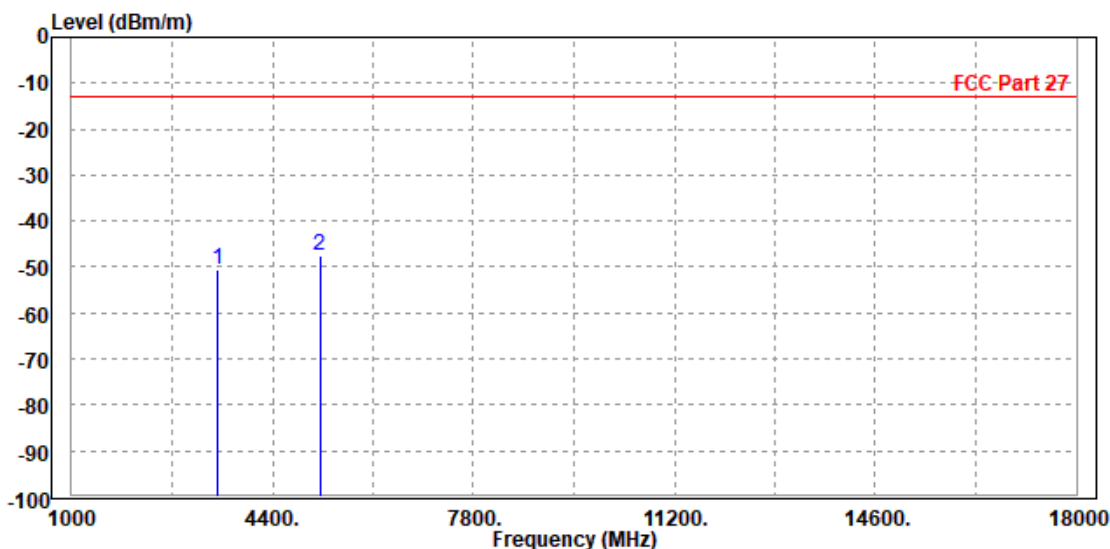




Test Report No.: W7L-221220W001RF03

MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3465.200	-50.51	-57.77	-13.00	-37.51	7.26	Peak	Vertical
2 PP	5199.000	-47.63	-58.08	-13.00	-34.63	10.45	Peak	Vertical



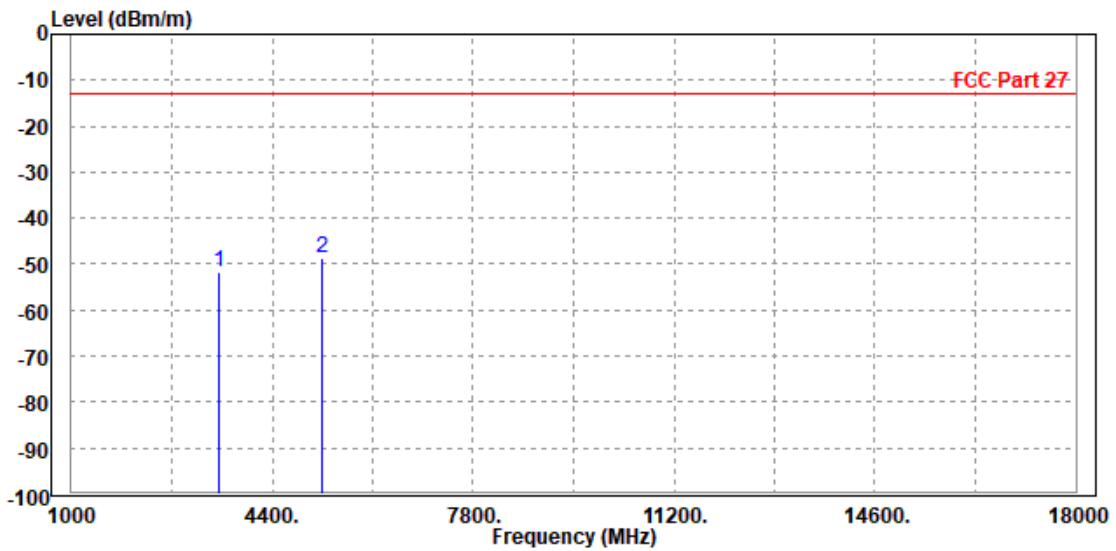


Test Report No.: W7L-221220W001RF03

CH 1513

MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3505.200	-51.81	-59.15	-13.00	-38.81	7.34	Peak	Horizontal
2 PP	5250.000	-48.57	-58.65	-13.00	-35.57	10.08	Peak	Horizontal



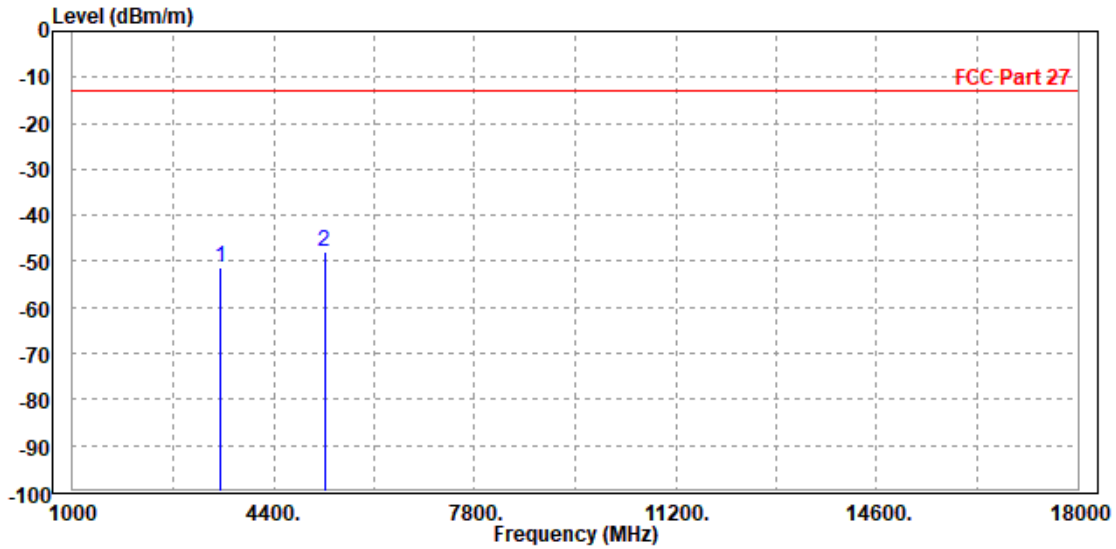


BUREAU VERITAS

Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 1513	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3499.000	-51.46	-58.78	-13.00	-38.46	7.32	Peak	Vertical
2 PP	5257.800	-47.84	-58.34	-13.00	-34.84	10.50	Peak	Vertical



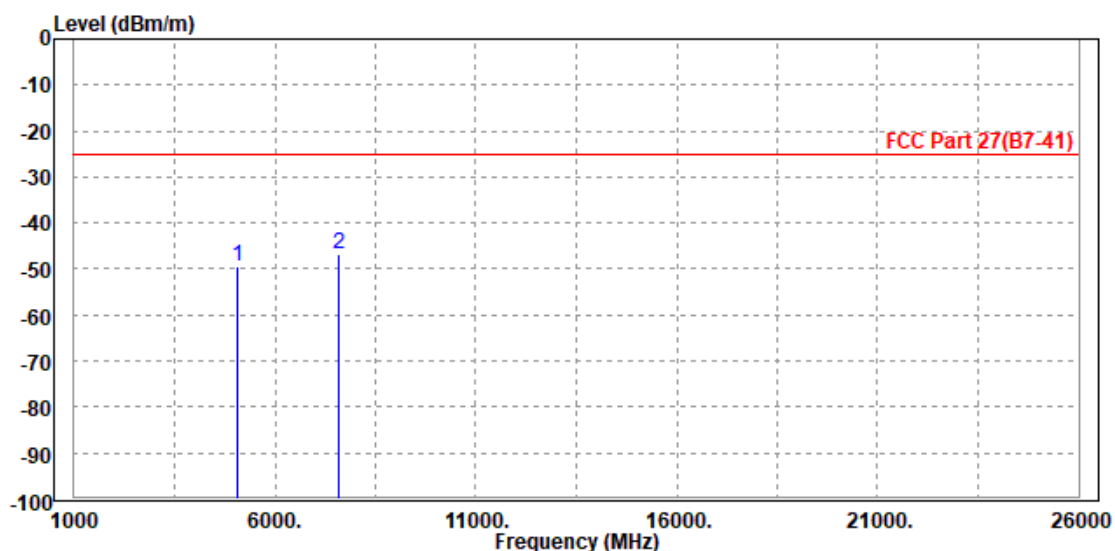


Test Report No.: W7L-221220W001RF03

LTE Band 7  
CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	5070.000	-49.62	-59.42	-25.00	-24.62	9.80	Peak	Horizontal
2	PP 7600.000	-46.80	-58.94	-25.00	-21.80	12.14	Peak	Horizontal

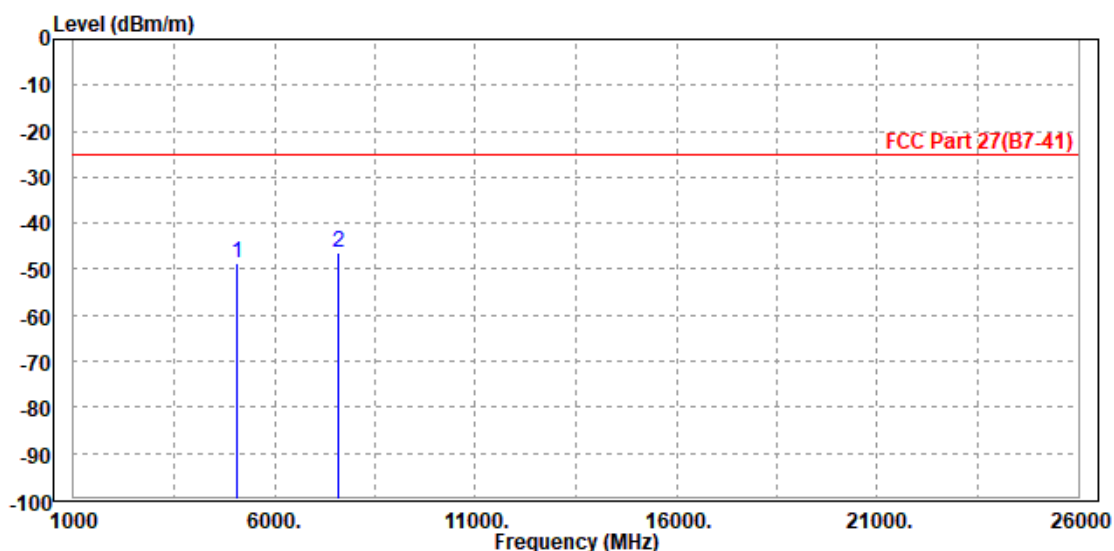




Test Report No.: W7L-221220W001RF03

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5075.000	-48.73	-59.07	-25.00	-23.73	10.34	Peak	Vertical
2 PP	7605.000	-46.41	-61.26	-25.00	-21.41	14.85	Peak	Vertical



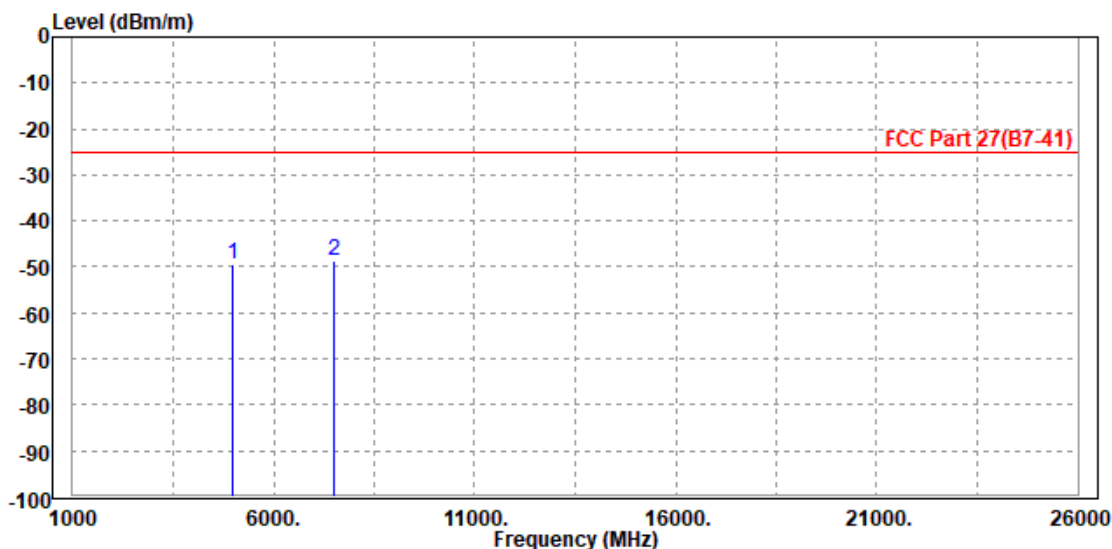


Test Report No.: W7L-221220W001RF03

CHANNEL BANDWIDTH: 10MHz / QPSK  
CH 20800

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5000.000	-49.50	-59.19	-25.00	-24.50	9.69	Peak	Horizontal
2 PP	7515.000	-48.82	-60.35	-25.00	-23.82	11.53	Peak	Horizontal



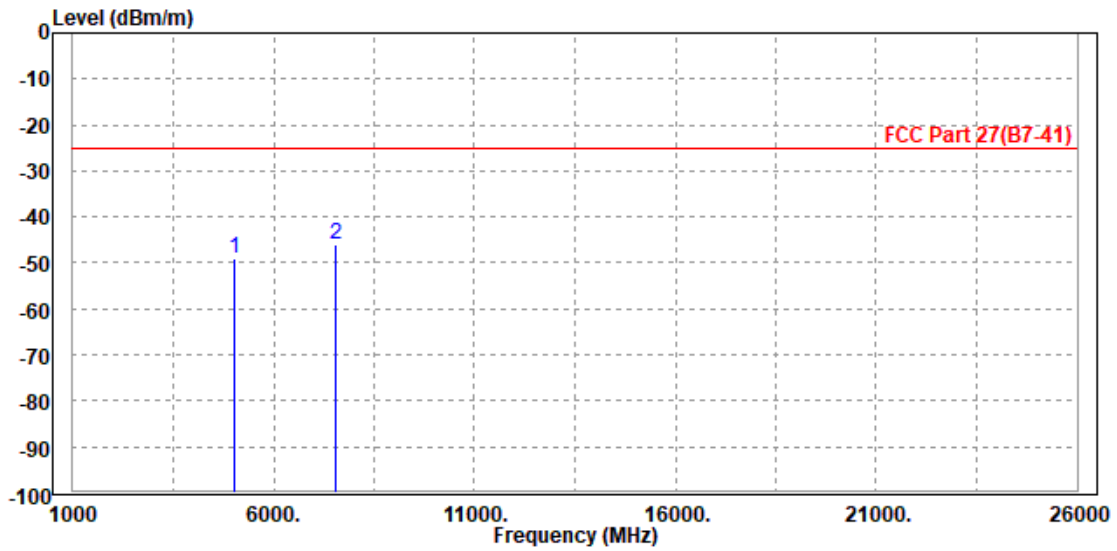




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 20800	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5010.000	-49.13	-59.41	-25.00	-24.13	10.28	Peak	Vertical
2 PP	7525.000	-45.90	-60.63	-25.00	-20.90	14.73	Peak	Vertical





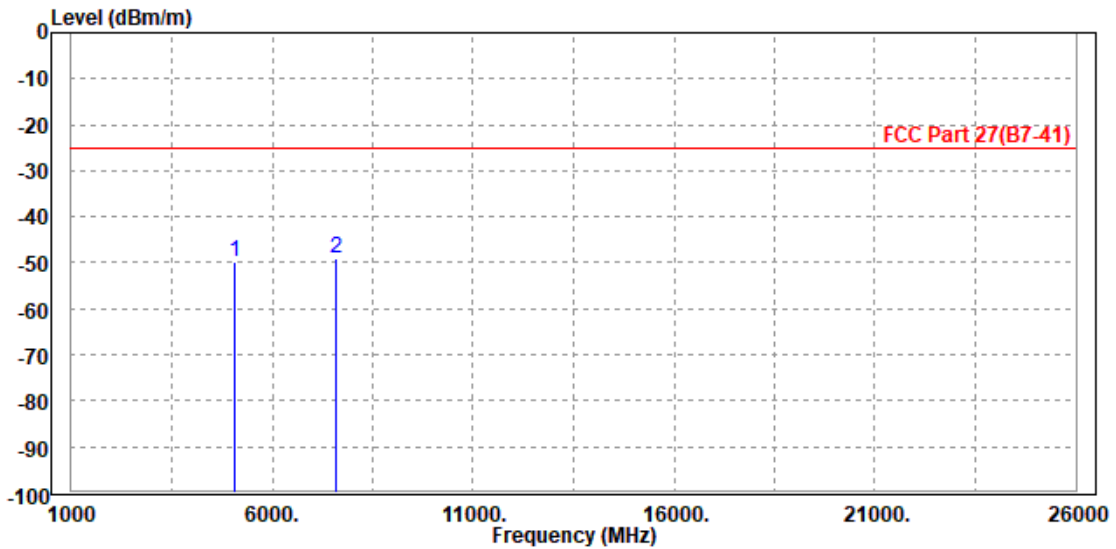
**BUREAU  
VERITAS**

Test Report No.: W7L-221220W001RF03

CH 21100

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5075.000	-49.83	-59.64	-25.00	-24.83	9.81	Peak	Horizontal
2	PP 7605.000	-48.91	-61.09	-25.00	-23.91	12.18	Peak	Horizontal

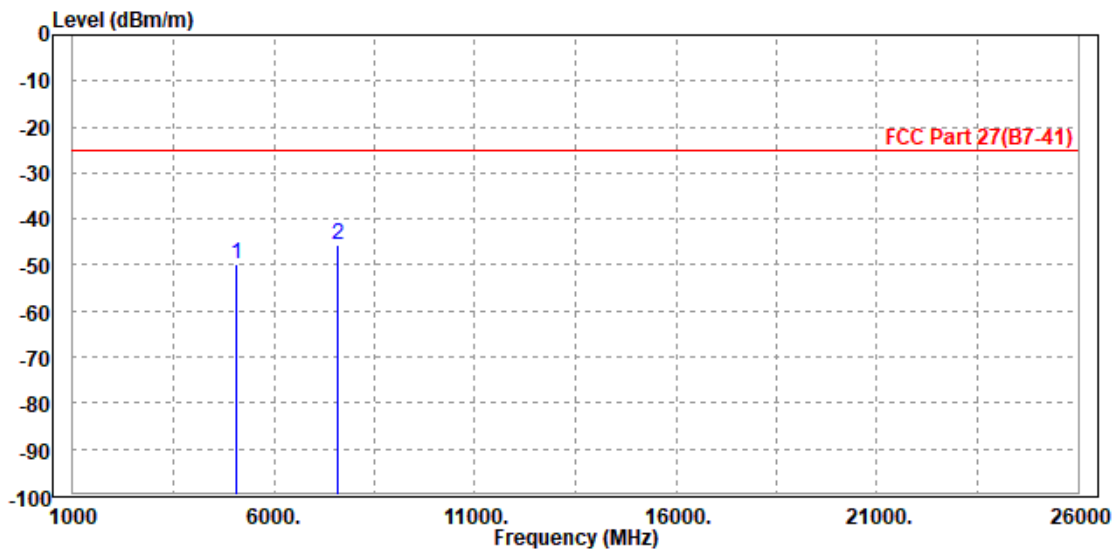




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-49.72	-60.05	-25.00	-24.72	10.33	Peak	Vertical
2	PP 7600.000	-45.64	-60.49	-25.00	-20.64	14.85	Peak	Vertical





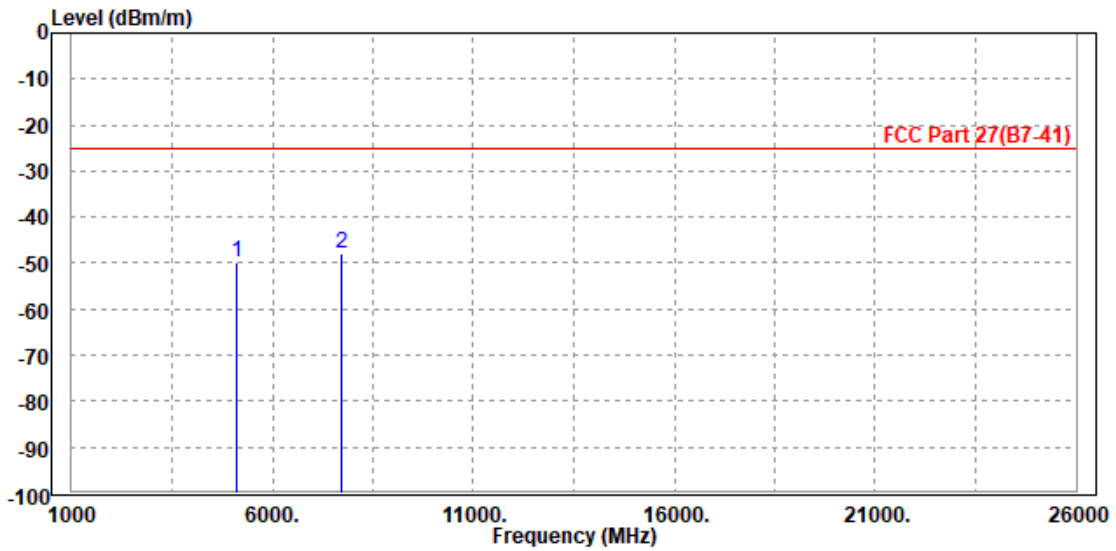
**BUREAU  
VERITAS**

Test Report No.: W7L-221220W001RF03

CH 21400

<b>MODE</b>	TX channel 21400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5130.000	-49.84	-59.73	-25.00	-24.84	9.89	Peak	Horizontal
2 PP	7700.000	-47.78	-60.65	-25.00	-22.78	12.87	Peak	Horizontal

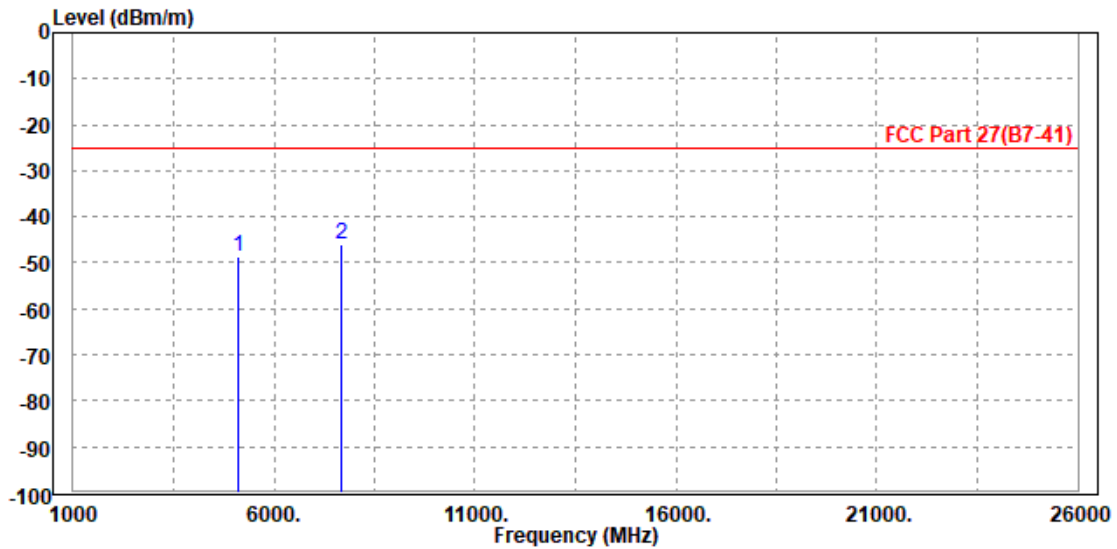




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 21400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5125.000	-48.63	-59.01	-25.00	-23.63	10.38	Peak	Vertical
2	PP 7695.000	-45.84	-60.83	-25.00	-20.84	14.99	Peak	Vertical





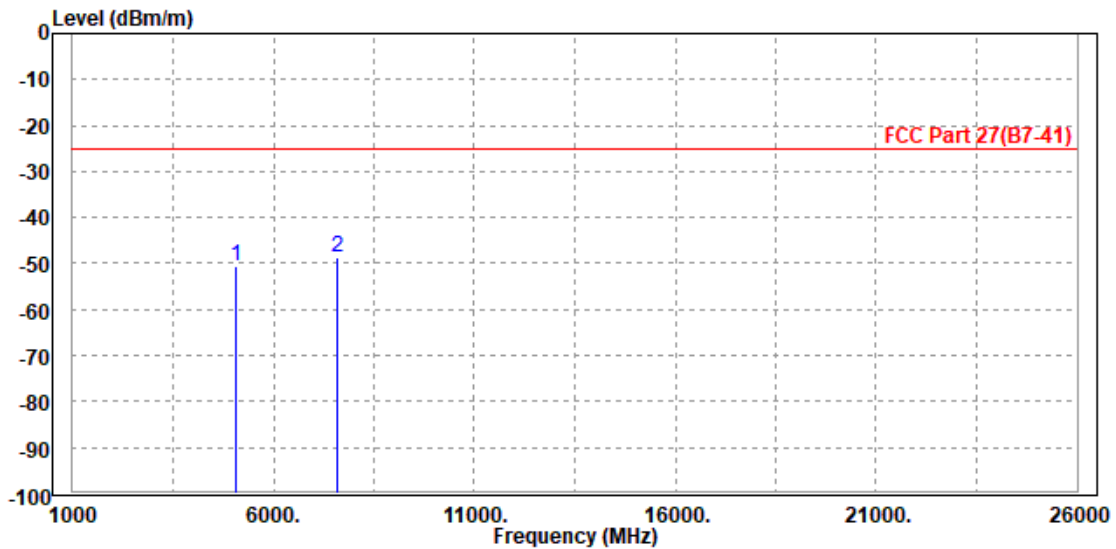
**BUREAU  
VERITAS**

**Test Report No.: W7L-221220W001RF03**

**CHANNEL BANDWIDTH: 15MHz / QPSK**

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5075.000	-50.41	-60.22	-25.00	-25.41	9.81	Peak	Horizontal
2 PP	7605.000	-48.68	-60.86	-25.00	-23.68	12.18	Peak	Horizontal

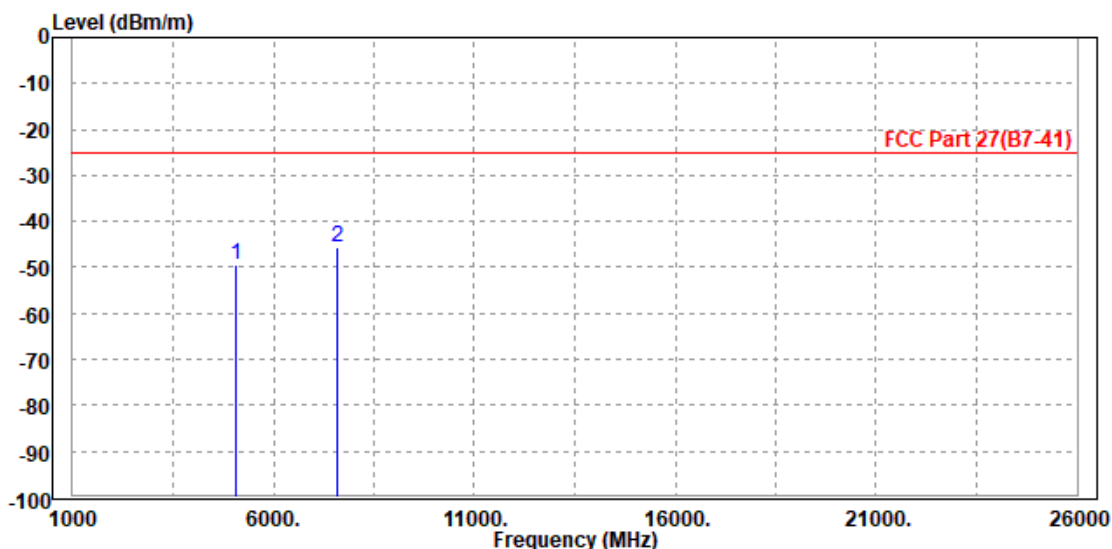




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-49.40	-59.73	-25.00	-24.40	10.33	Peak	Vertical
2 PP	7600.000	-45.66	-60.51	-25.00	-20.66	14.85	Peak	Vertical





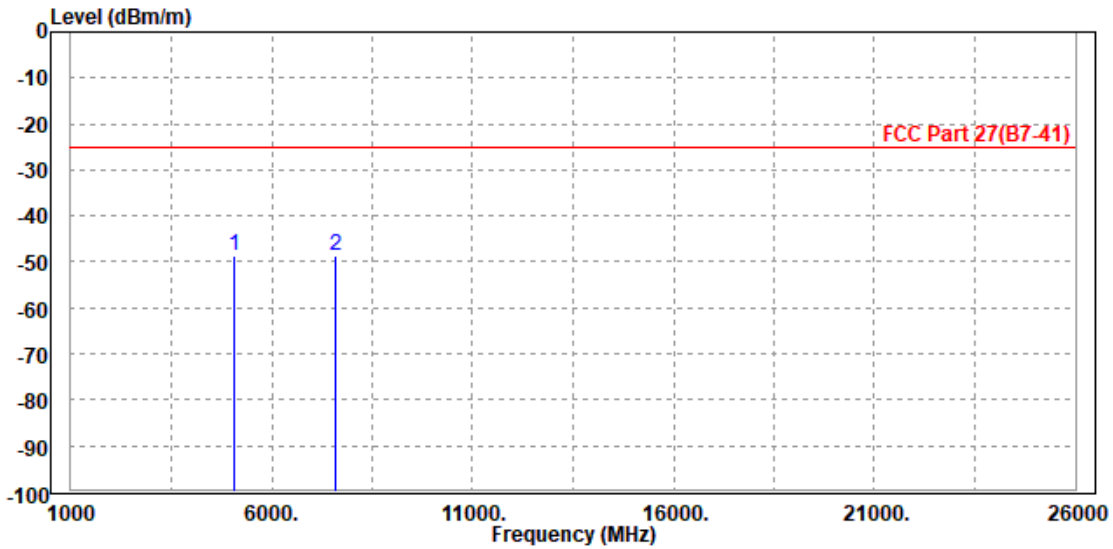
**BUREAU  
VERITAS**

Test Report No.: W7L-221220W001RF03

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Level	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-48.74	-58.54	-25.00	-23.74	9.80	Peak	Horizontal
2	PP 7600.000	-48.59	-60.73	-25.00	-23.59	12.14	Peak	Horizontal



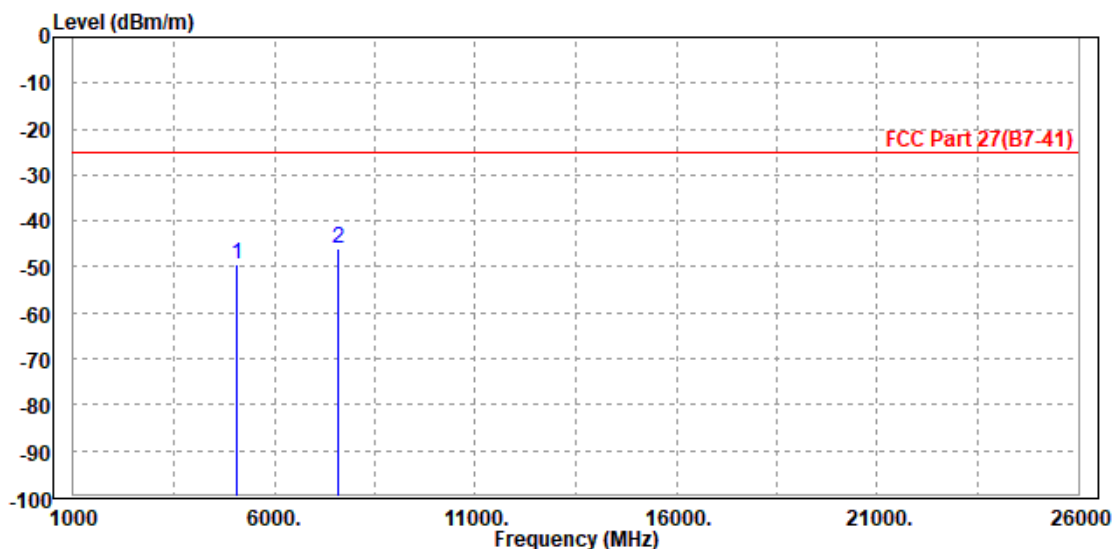




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5075.000	-49.47	-59.81	-25.00	-24.47	10.34	Peak	Vertical
2	PP 7605.000	-46.10	-60.95	-25.00	-21.10	14.85	Peak	Vertical





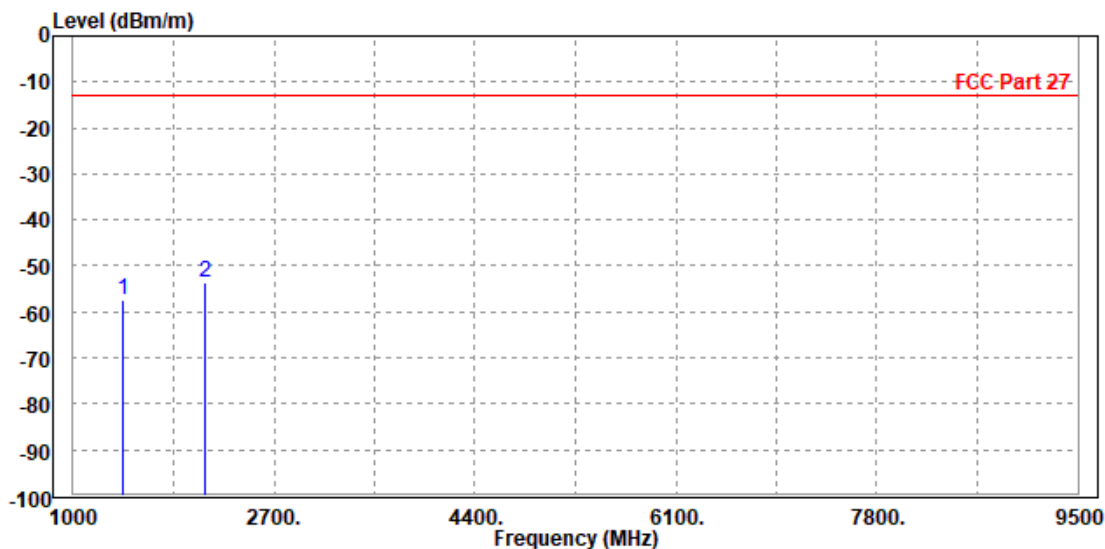
Test Report No.: W7L-221220W001RF03

LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz / QPSK

<b>MODE</b>	TX channel 23095	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1415.000	-57.25	-56.60	-13.00	-44.25	-0.65	Peak	Horizontal
2 PP	2122.000	-53.75	-57.81	-13.00	-40.75	4.06	Peak	Horizontal

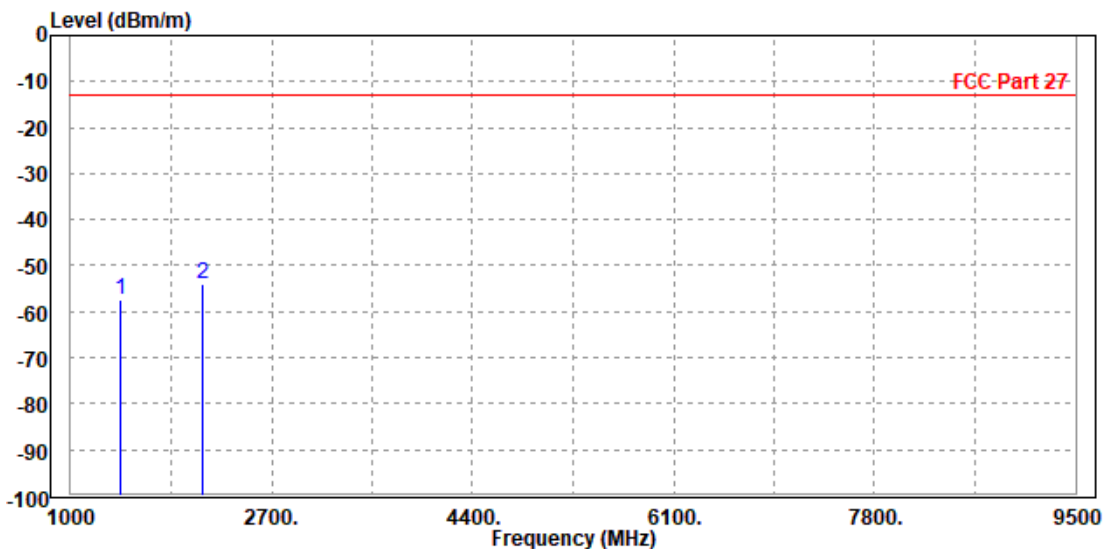




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23095	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.500	-57.36	-56.96	-13.00	-44.36	-0.40	Peak	Vertical
2 PP	2122.500	-54.16	-58.08	-13.00	-41.16	3.92	Peak	Vertical





BUREAU VERITAS

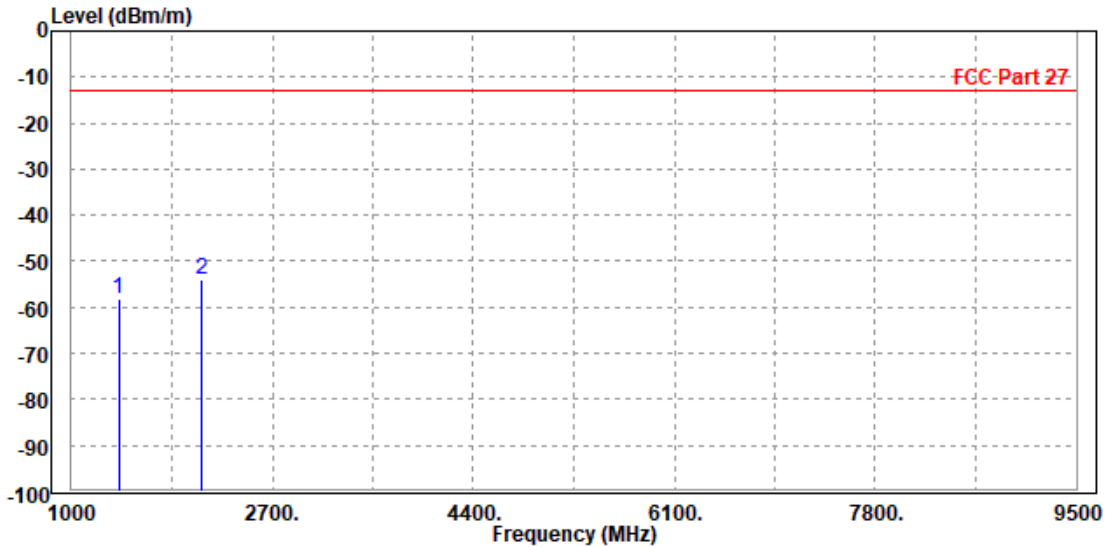
Test Report No.: W7L-221220W001RF03

CHANNEL BANDWIDTH: 3MHz / QPSK

CH23025

MODE	TX channel 23025	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	1399.500	-58.05	-57.36	-13.00	-45.05	-0.69	Peak	Horizontal
2 PP	2101.500	-54.14	-58.13	-13.00	-41.14	3.99	Peak	Horizontal

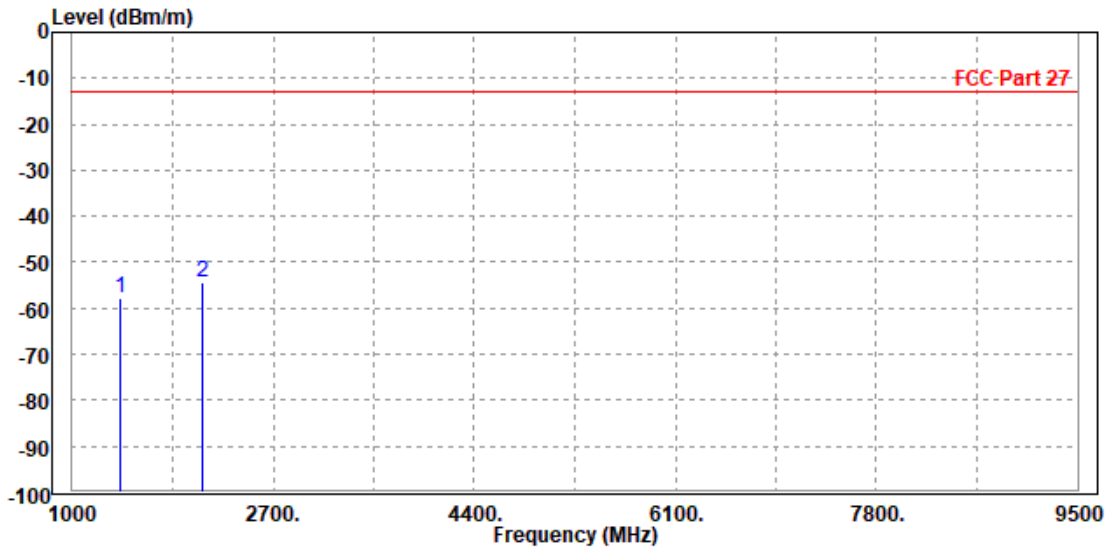




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23025	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1401.000	-57.88	-57.41	-13.00	-44.88	-0.47	Peak	Vertical
2 PP	2105.000	-54.29	-58.16	-13.00	-41.29	3.87	Peak	Vertical





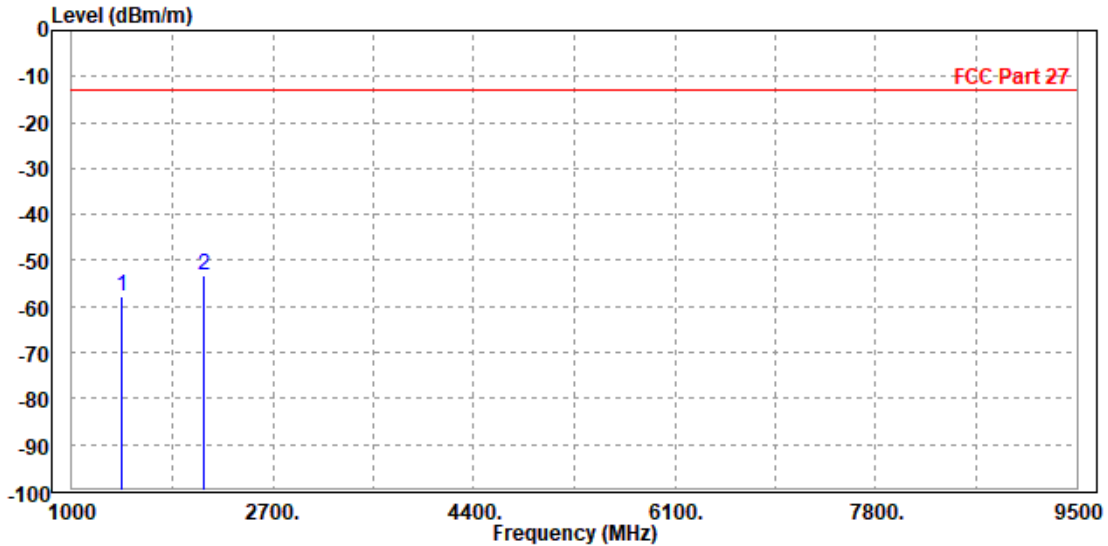
BUREAU  
VERITAS

Test Report No.: W7L-221220W001RF03

CH23095

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	1416.500	-57.80	-57.16	-13.00	-44.80	-0.64	Peak	Horizontal
2	PP 2122.500	-53.33	-57.39	-13.00	-40.33	4.06	Peak	Horizontal

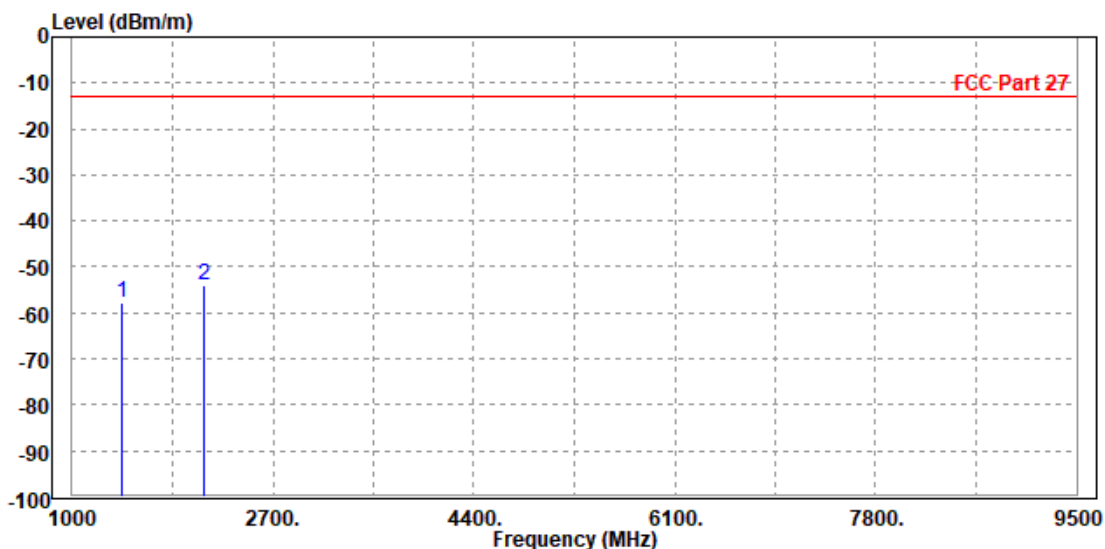




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23095	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1415.000	-57.96	-57.55	-13.00	-44.96	-0.41	Peak	Vertical
2 PP	2122.000	-53.96	-57.88	-13.00	-40.96	3.92	Peak	Vertical





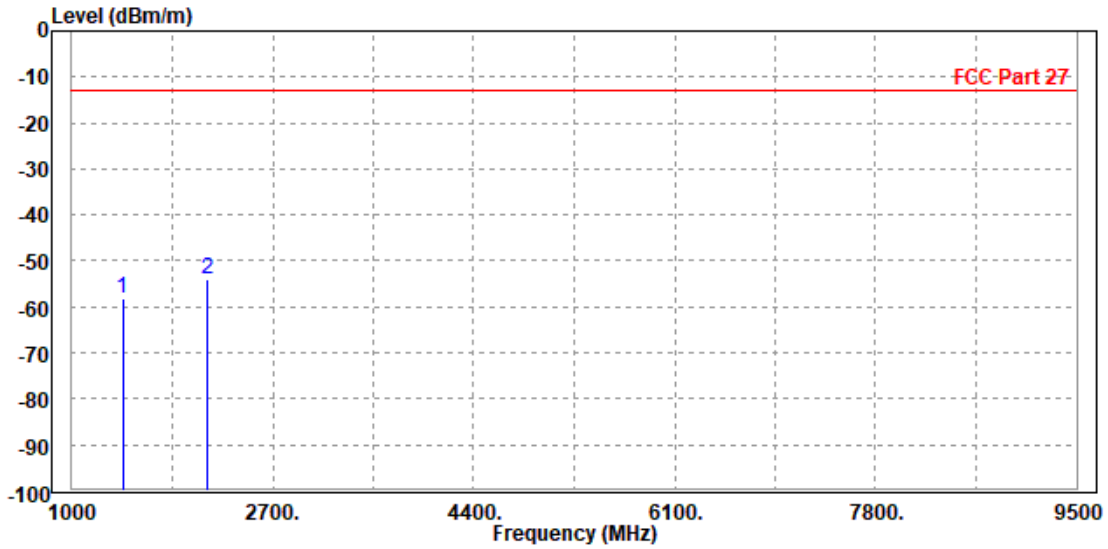
**BUREAU  
VERITAS**

Test Report No.: W7L-221220W001RF03

**CH23165**

<b>MODE</b>	TX channel 23165	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1429.000	-58.00	-57.39	-13.00	-45.00	-0.61	Peak	Horizontal
2	PP 2147.500	-54.06	-58.22	-13.00	-41.06	4.16	Peak	Horizontal



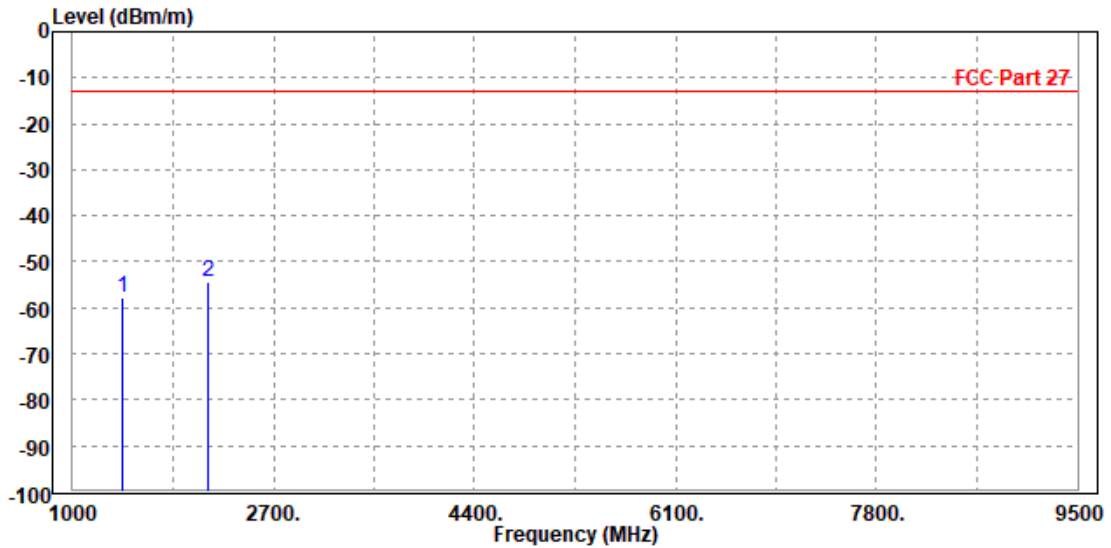




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23165	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1425.000	-57.89	-57.53	-13.00	-44.89	-0.36	Peak	Vertical
2 PP	2143.500	-54.27	-58.24	-13.00	-41.27	3.97	Peak	Vertical



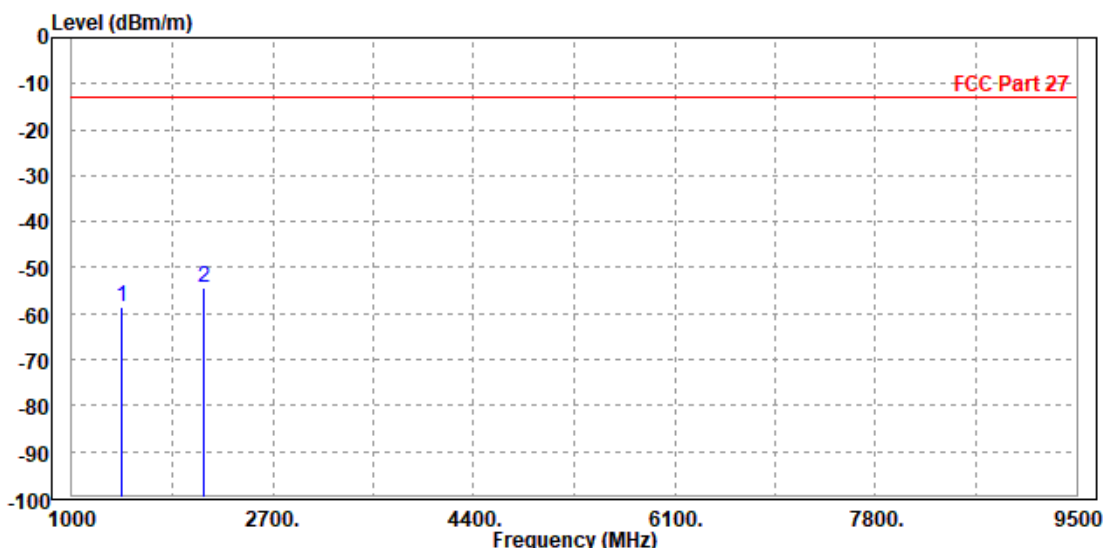


Test Report No.: W7L-221220W001RF03

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1415.000	-58.44	-57.79	-13.00	-45.44	-0.65	Peak	Horizontal
2	PP 2122.000	-54.49	-58.55	-13.00	-41.49	4.06	Peak	Horizontal

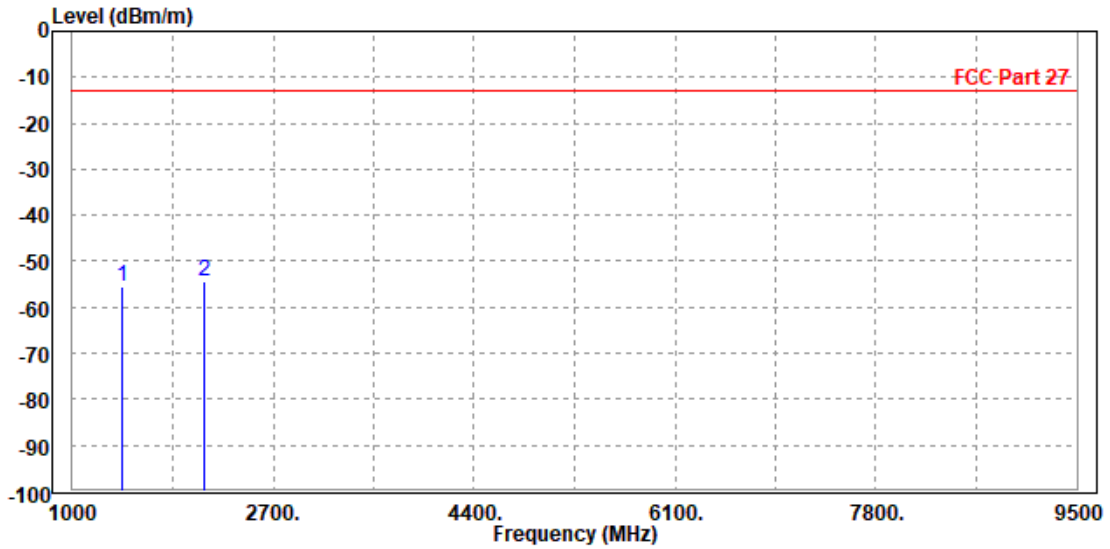




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23095	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.500	-55.54	-55.14	-13.00	-42.54	-0.40	Peak	Vertical
2 PP	2122.500	-54.45	-58.37	-13.00	-41.45	3.92	Peak	Vertical



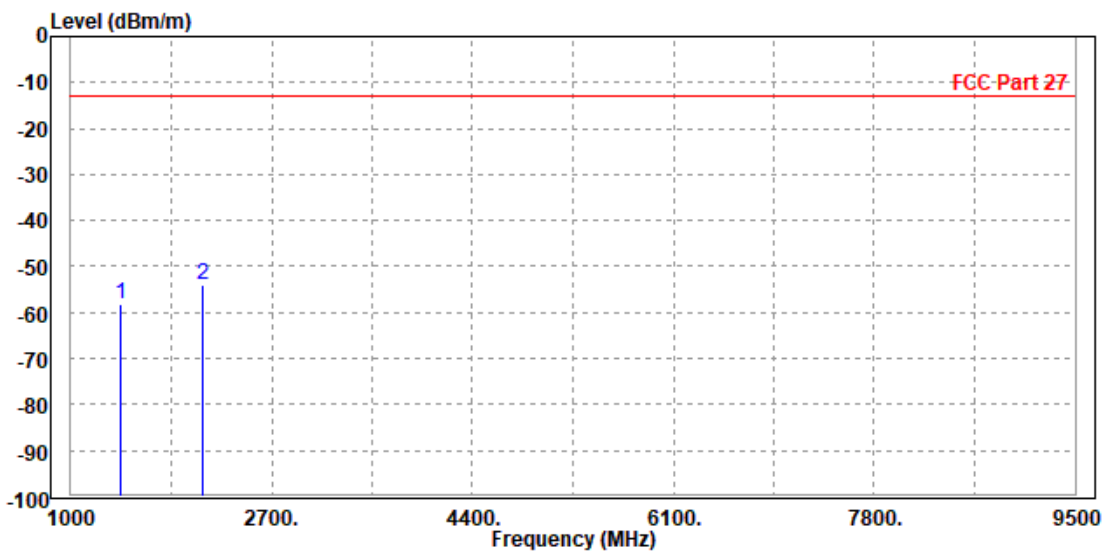


Test Report No.: W7L-221220W001RF03

**CHANNEL BANDWIDTH: 10MHz / QPSK**

<b>MODE</b>	TX channel 23095	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1415.000	-58.01	-57.36	-13.00	-45.01	-0.65	Peak	Horizontal
2 PP	2122.000	-54.17	-58.23	-13.00	-41.17	4.06	Peak	Horizontal

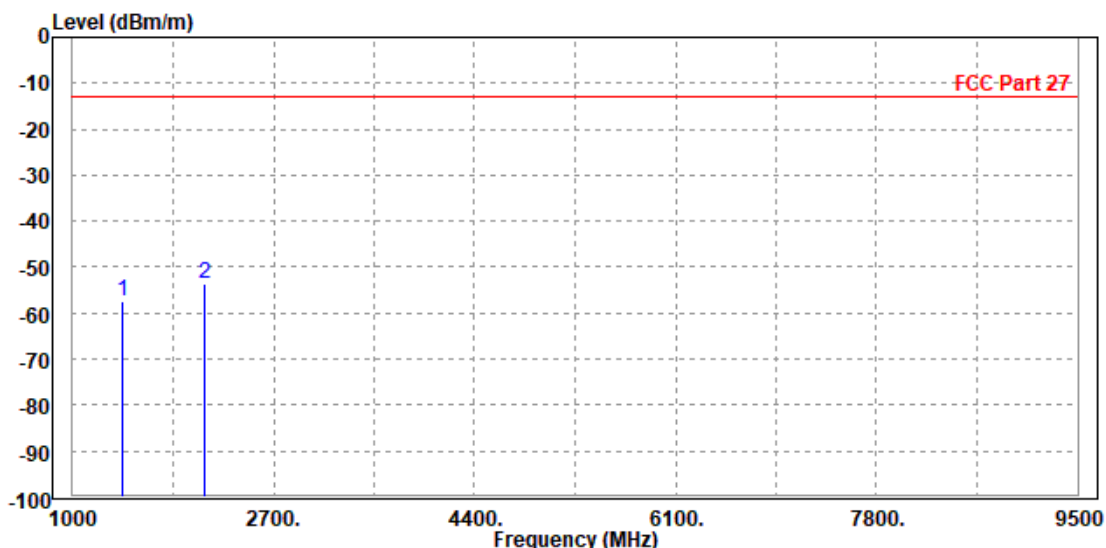




Test Report No.: W7L-221220W001RF03

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	1416.500	-57.45	-57.05	-13.00	-44.45	-0.40	Peak	Vertical
2 PP	2122.500	-53.47	-57.39	-13.00	-40.47	3.92	Peak	Vertical





Test Report No.: W7L-221220W001RF03

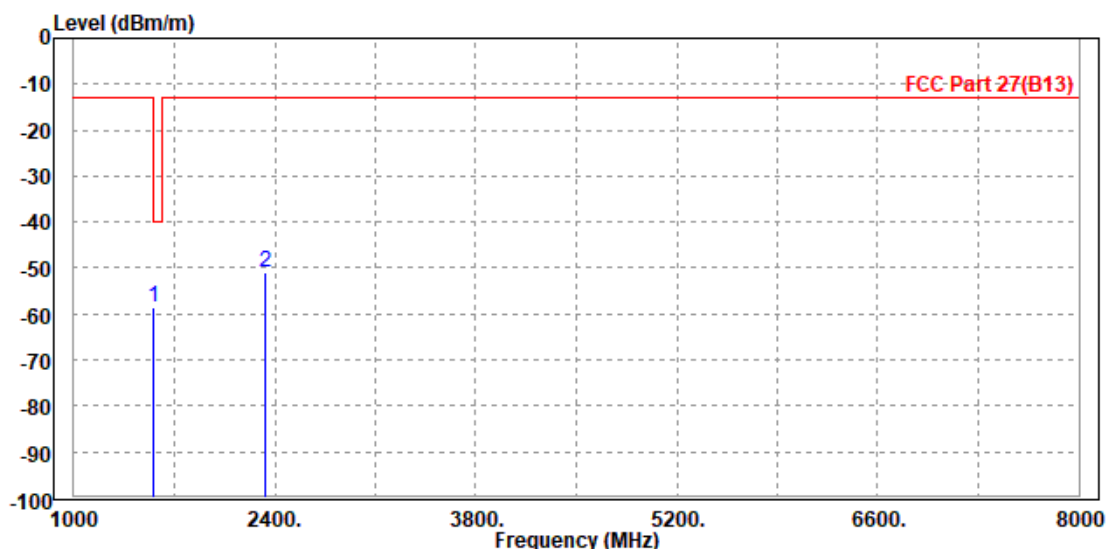
LTE B13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1560.000	-58.41	-58.47	-40.00	-18.41	0.06	Peak	Horizontal
2	2338.500	-50.92	-55.77	-13.00	-37.92	4.85	Peak	Horizontal

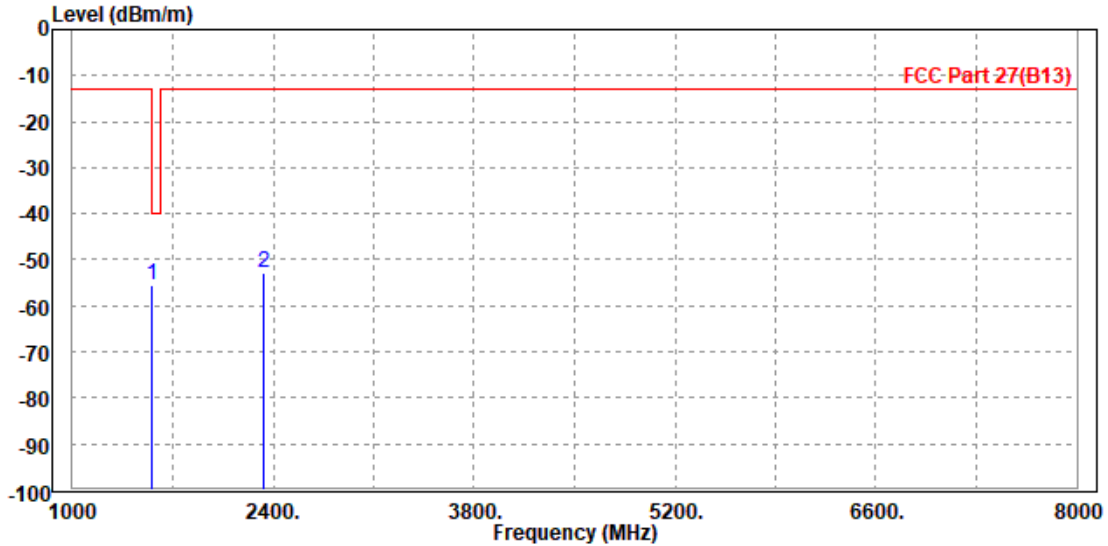




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23205	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1559.000	-55.52	-55.91	-40.00	-15.52	0.39	Peak	Vertical
2	2337.000	-52.77	-57.27	-13.00	-39.77	4.50	Peak	Vertical





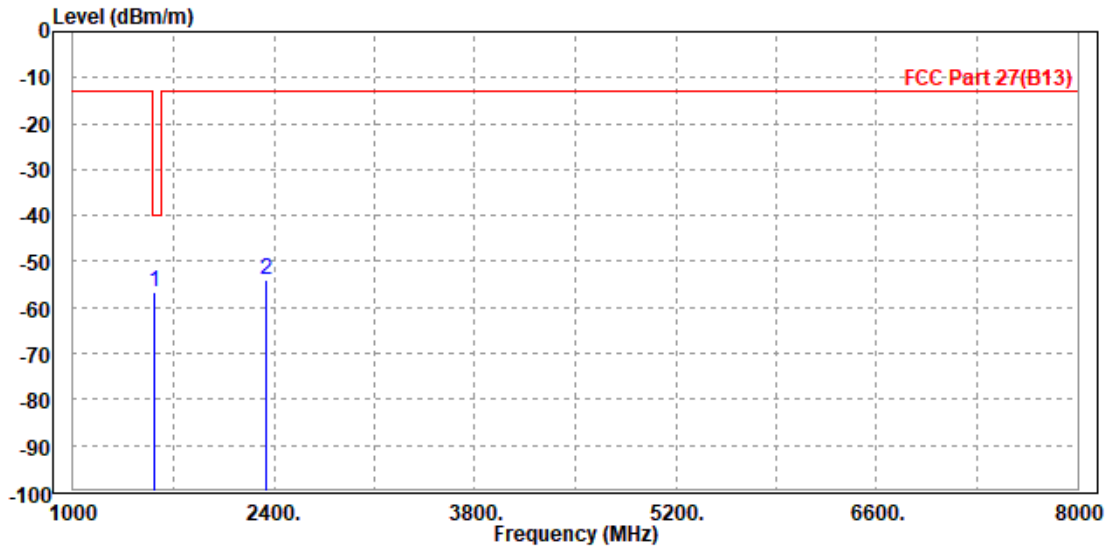
BUREAU VERITAS

Test Report No.: W7L-221220W001RF03

CH20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1564.000	-56.58	-56.68	-40.00	-16.58	0.10	Peak	Horizontal
2	2344.000	-54.04	-58.91	-13.00	-41.04	4.87	Peak	Horizontal



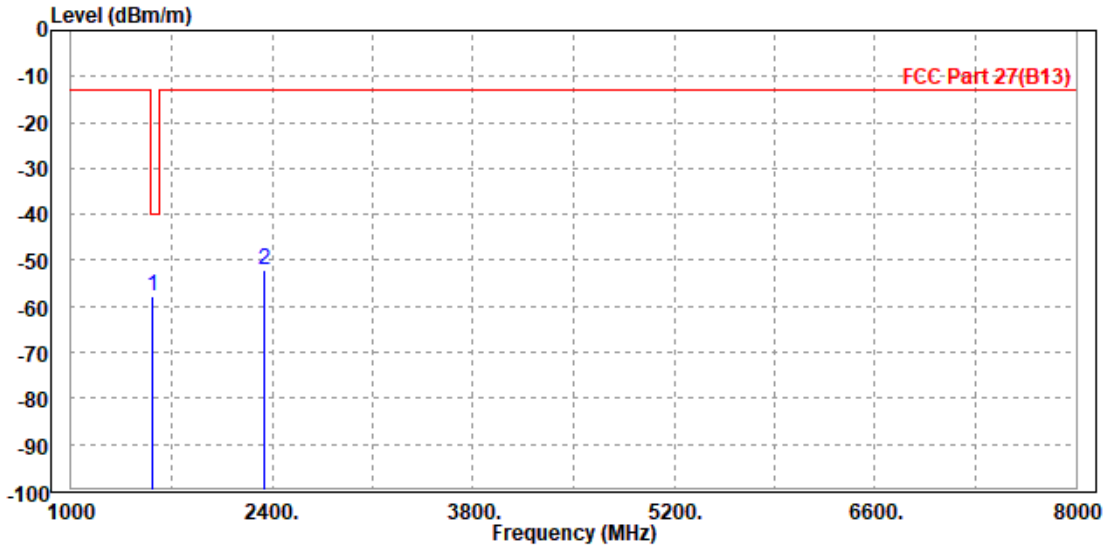




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 20175	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1567.000	-57.67	-58.12	-40.00	-17.67	0.45	Peak	Vertical
2	2346.000	-52.18	-56.70	-13.00	-39.18	4.52	Peak	Vertical





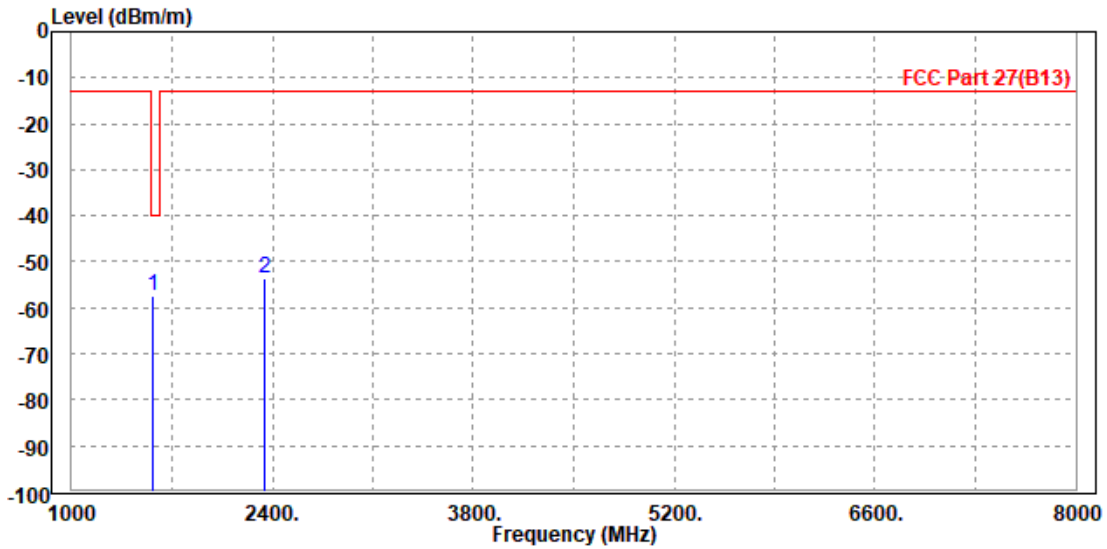
**BUREAU  
VERITAS**

Test Report No.: W7L-221220W001RF03

**CH23255**

<b>MODE</b>	TX channel 23255	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1569.000	-57.46	-57.60	-40.00	-17.46	0.14	Peak	Horizontal
2	2351.000	-53.49	-58.39	-13.00	-40.49	4.90	Peak	Horizontal

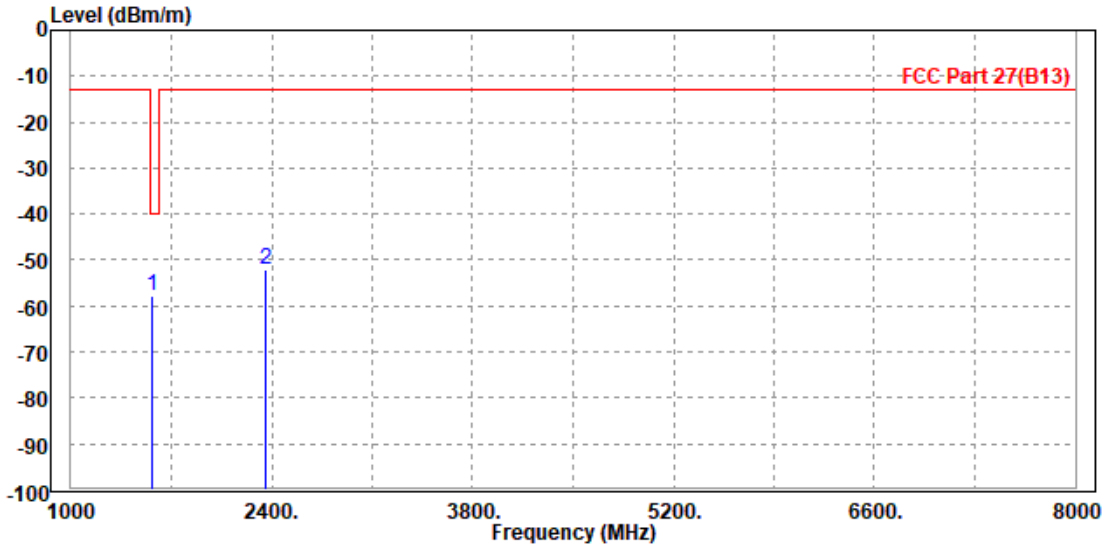




Test Report No.: W7L-221220W001RF03

<b>MODE</b>	TX channel 23255	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1567.000	-57.67	-58.12	-40.00	-17.67	0.45	Peak	Vertical
2	2353.500	-51.90	-56.44	-13.00	-38.90	4.54	Peak	Vertical



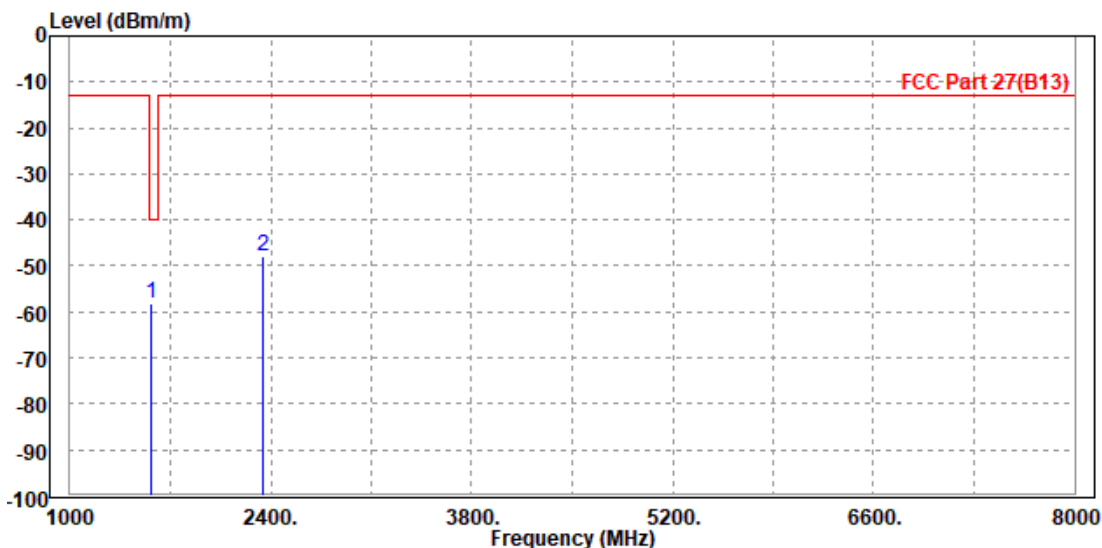


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**CHANNEL BANDWIDTH: 10MHz /QPSK**

<b>MODE</b>	TX channel 23230	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1564.000	-58.13	-58.23	-40.00	-18.13	0.10	Peak	Horizontal
2	2344.000	-48.02	-52.89	-13.00	-35.02	4.87	Peak	Horizontal

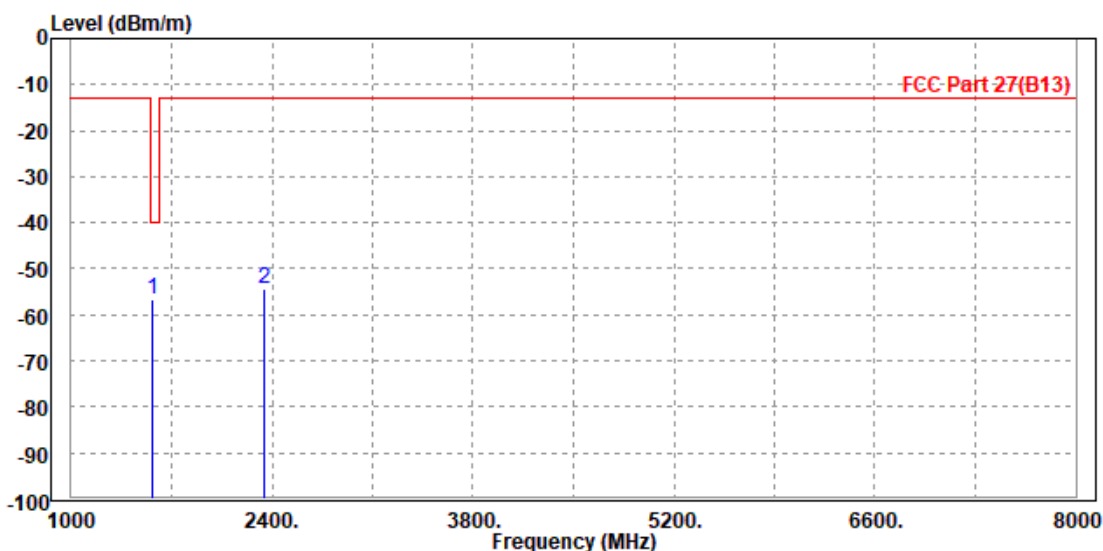




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<b>MODE</b>	TX channel 23230	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	EUT 4.0V
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1567.000	-56.51	-56.96	-40.00	-16.51	0.45	Peak	Vertical
2 2346.000	-54.25	-58.77	-13.00	-41.25	4.52	Peak	Vertical

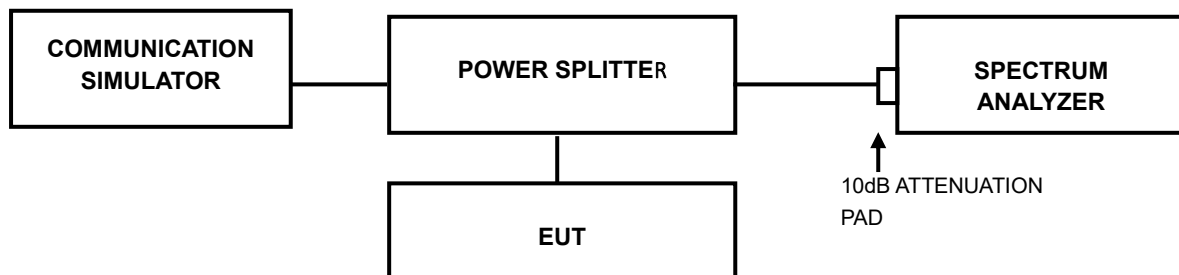


### 3.7 PEAK TO AVERAGE RATIO

#### 3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

#### 3.7.2 TEST SETUP



#### 3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



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### 3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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## 4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

**Shenzhen EMC/RF Lab:**

Tel: +86-755-88696566

Fax: +86-755-88696577

**Email:** [customerservice.sw@cn.bureauveritas.com](mailto:customerservice.sw@cn.bureauveritas.com)

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

The address and road map of all our labs can be found in our web site also.





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## 5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



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## 6 APPENDIX

### WCDMA IV

#### PEAK-TO-AVERAGE RATIO

##### Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	3.19	13	PASS
Band4	1413	3.25	13	PASS
Band4	1513	3.21	13	PASS

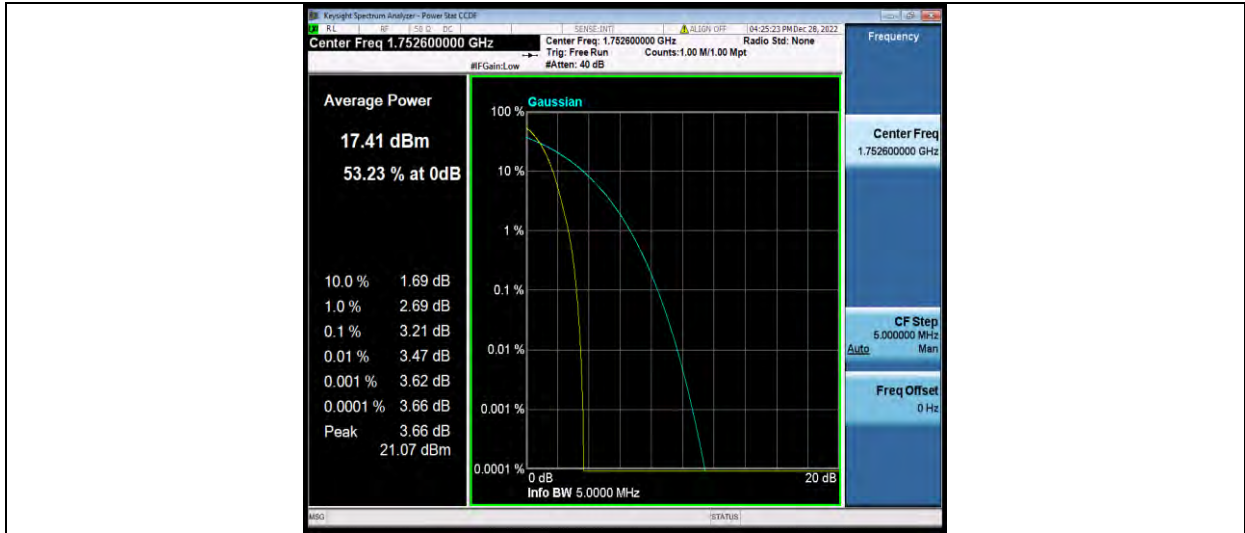
### Test Graphs





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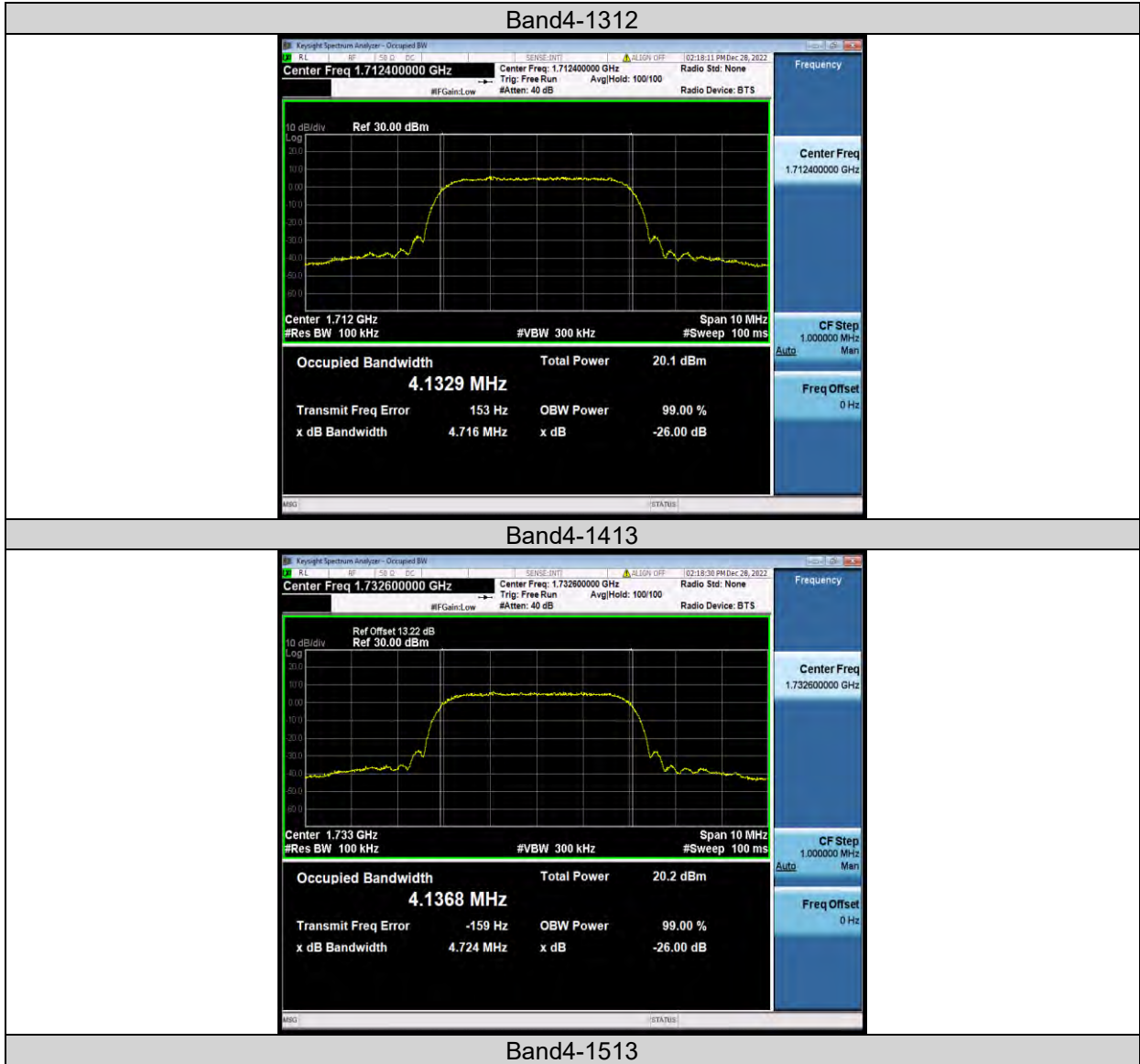
Test Report No.: W7L-221220W001RF03

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.1329	4.716	---	PASS
Band4	1413	4.1368	4.724	---	PASS
Band4	1513	4.1359	4.712	---	PASS

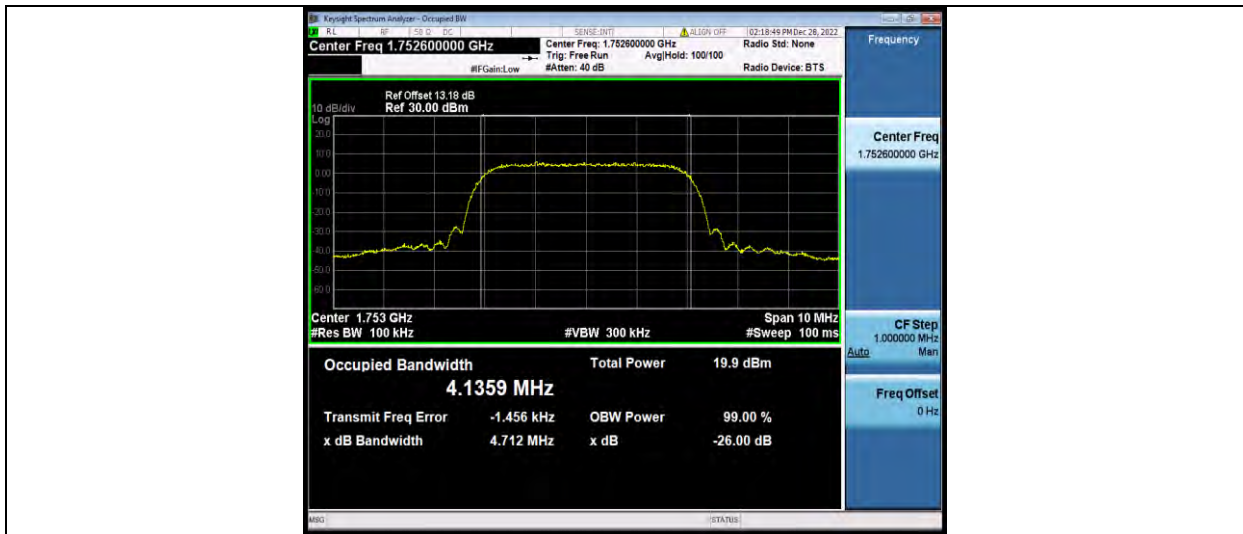
### Test Graphs





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## BAND EDGE

### Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.87	-30.31	-13	PASS
Band4	1513	1755.17	-30.92	-13	PASS



### Test Graphs





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## CONDUCTED SPURIOUS EMISSION

### Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~1000MHz	850.04	-38.75	-13	PASS
Band4	1312	1000~20000MHz	19298.27	-32.4	-13	PASS
Band4	1413	30~1000MHz	700.04	-39.96	-13	PASS
Band4	1413	1000~20000MHz	19370.47	-32.55	-13	PASS
Band4	1513	30~1000MHz	853.21	-40.95	-13	PASS
Band4	1513	1000~20000MHz	19345.77	-32.08	-13	PASS