



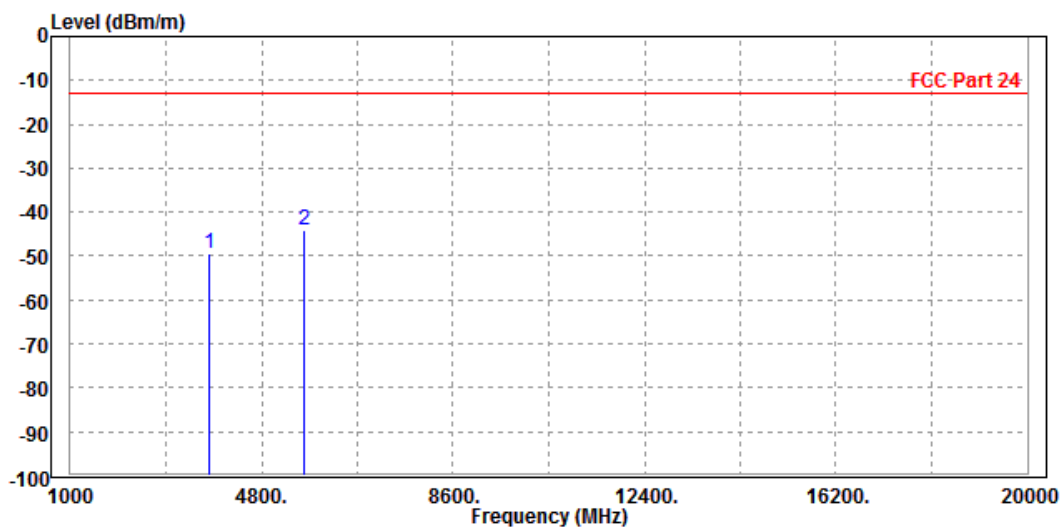
BUREAU
VERITAS

Test Report No.: RF190522W005-2

CH 26365

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-49.25	-52.64	-13.00	-36.25	3.39	Peak	Horizontal
2 PP	5647.500	-43.99	-53.12	-13.00	-30.99	9.13	Peak	Horizontal



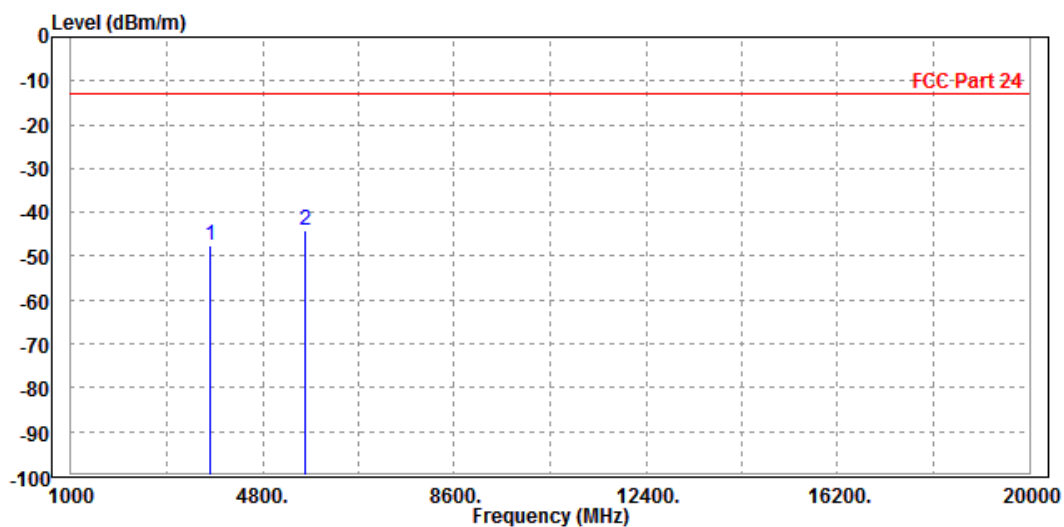


**BUREAU
VERITAS**

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-47.36	-51.22	-13.00	-34.36	3.86	Peak	Vertical
2 PP	5647.500	-44.14	-52.41	-13.00	-31.14	8.27	Peak	Vertical





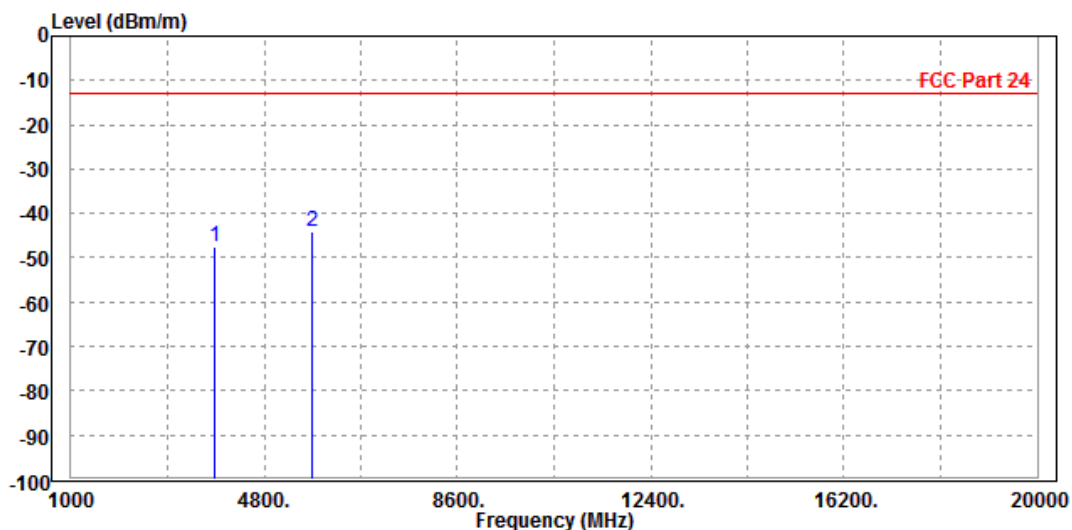
BUREAU
VERITAS

Test Report No.: RF190522W005-2

CH 26683

MODE	TX channel 26683	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3834.000	-47.46	-51.23	-13.00	-34.46	3.77	Peak	Horizontal
2 PP	5742.900	-44.04	-53.28	-13.00	-31.04	9.24	Peak	Horizontal



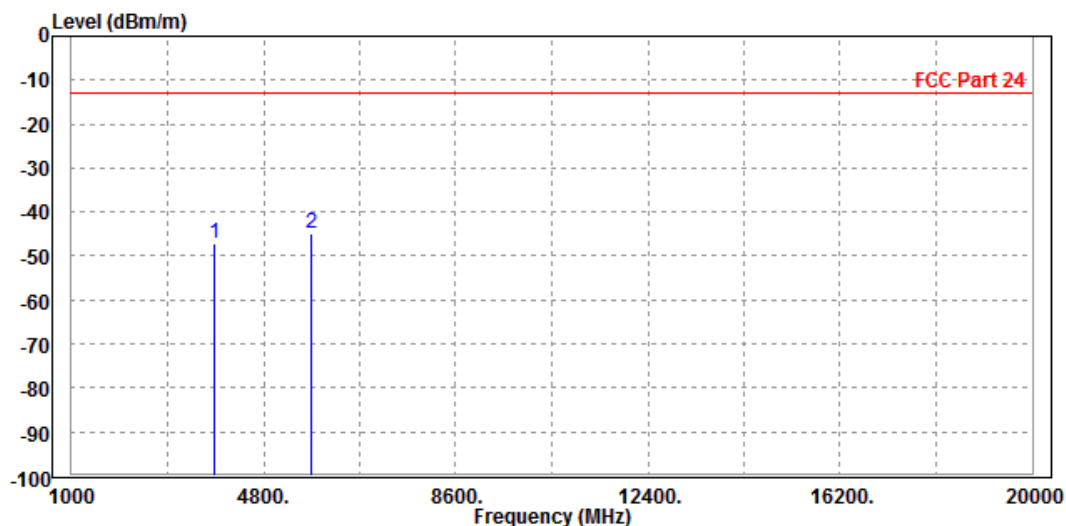


BUREAU
VERITAS

Test Report No.: RF190522W005-2

MODE	TX channel 26683	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3834.000	-47.14	-51.39	-13.00	-34.14	4.25	Peak	Vertical
2 PP	5742.900	-44.98	-53.45	-13.00	-31.98	8.47	Peak	Vertical

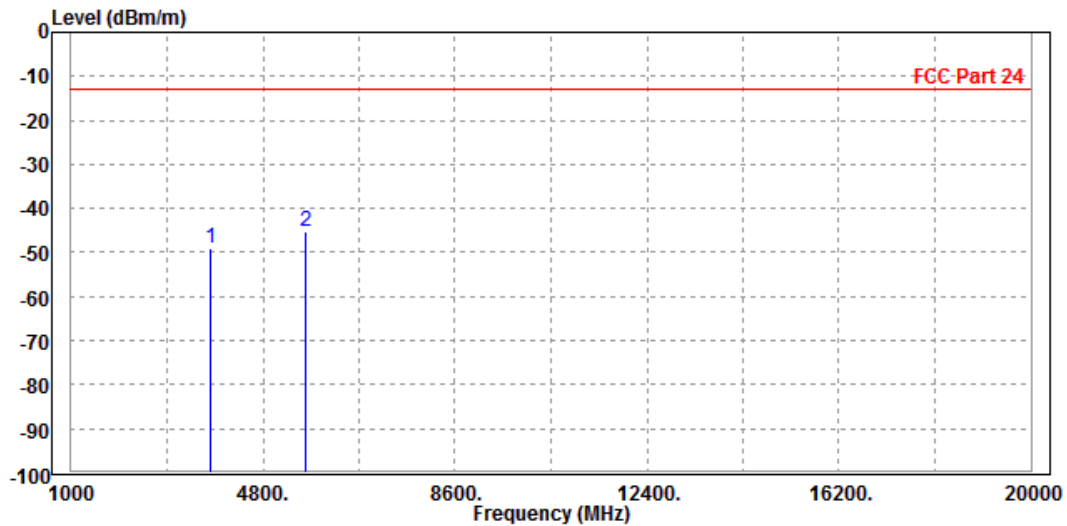




CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.97	-52.36	-13.00	-35.97	3.39	Peak	Horizontal
2 PP	5647.500	-45.13	-54.26	-13.00	-32.13	9.13	Peak	Horizontal



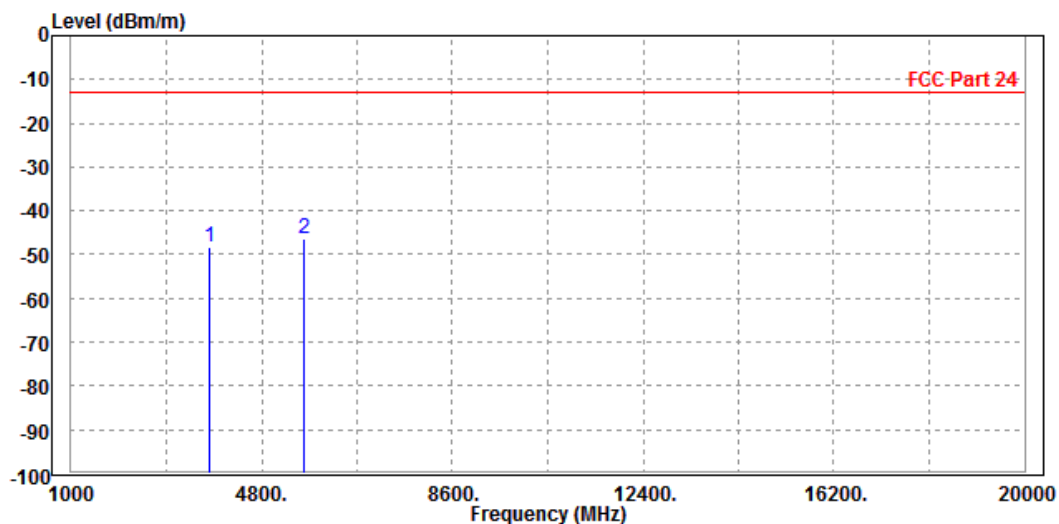


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VERITAS

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.45	-52.31	-13.00	-35.45	3.86	Peak	Vertical
2 PP	5647.500	-46.42	-54.69	-13.00	-33.42	8.27	Peak	Vertical





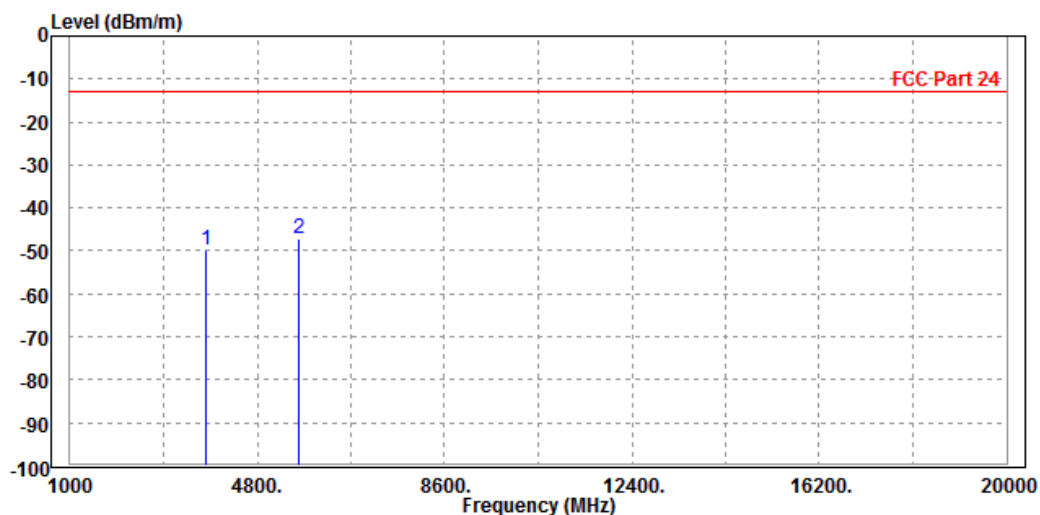
BUREAU
VERITAS

Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-49.86	-53.25	-13.00	-36.86	3.39	Peak	Horizontal
2 PP	5647.500	-47.25	-56.38	-13.00	-34.25	9.13	Peak	Horizontal



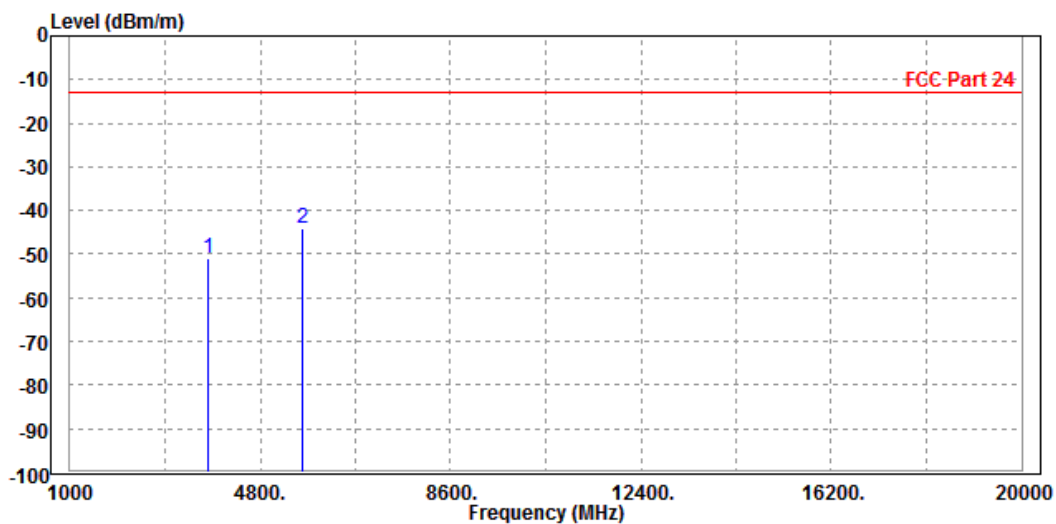


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VERITAS

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-50.92	-54.78	-13.00	-37.92	3.86	Peak	Vertical
2 PP	5647.500	-44.05	-52.32	-13.00	-31.05	8.27	Peak	Vertical

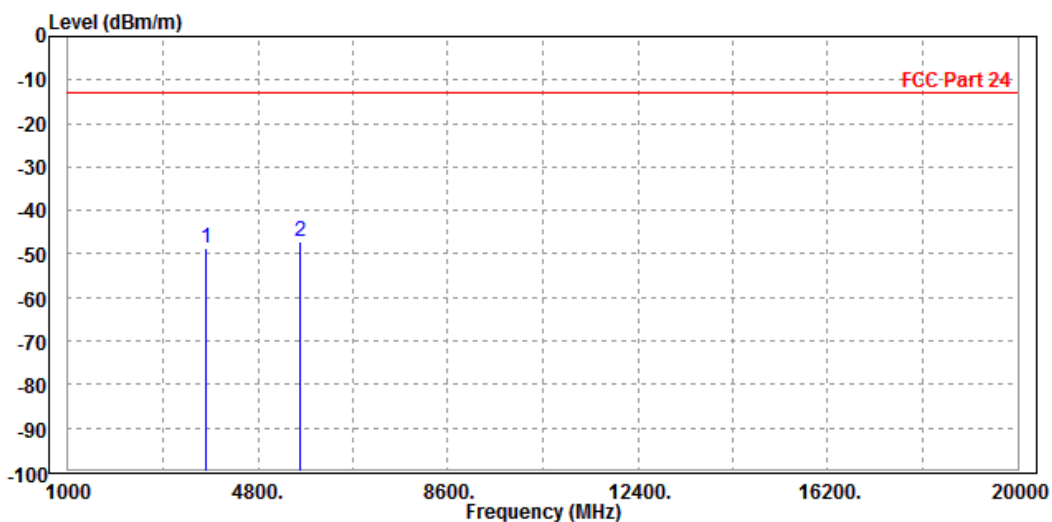




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.76	-52.15	-13.00	-35.76	3.39	Peak	Horizontal
2 PP	5647.500	-47.19	-56.32	-13.00	-34.19	9.13	Peak	Horizontal



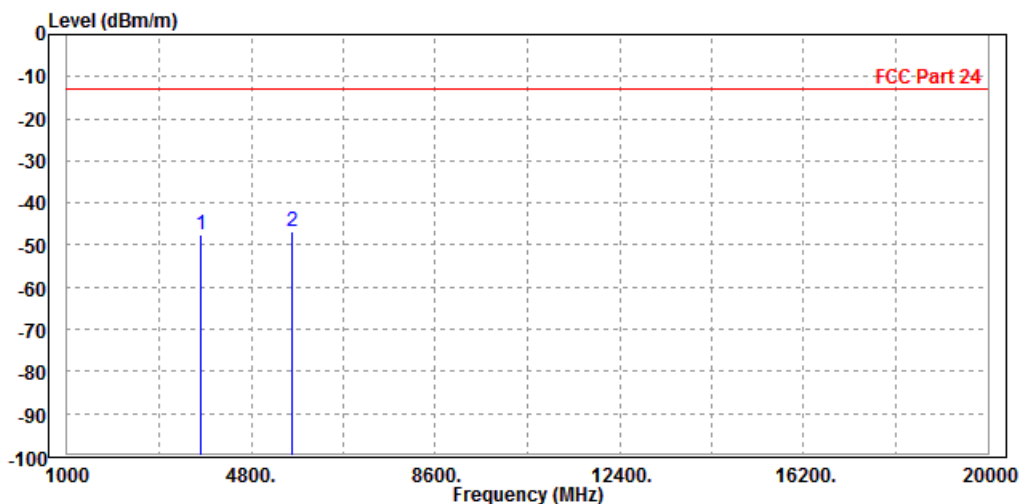


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VERITAS

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-47.38	-51.24	-13.00	-34.38	3.86	Peak	Vertical
2 PP	5647.500	-46.94	-55.21	-13.00	-33.94	8.27	Peak	Vertical





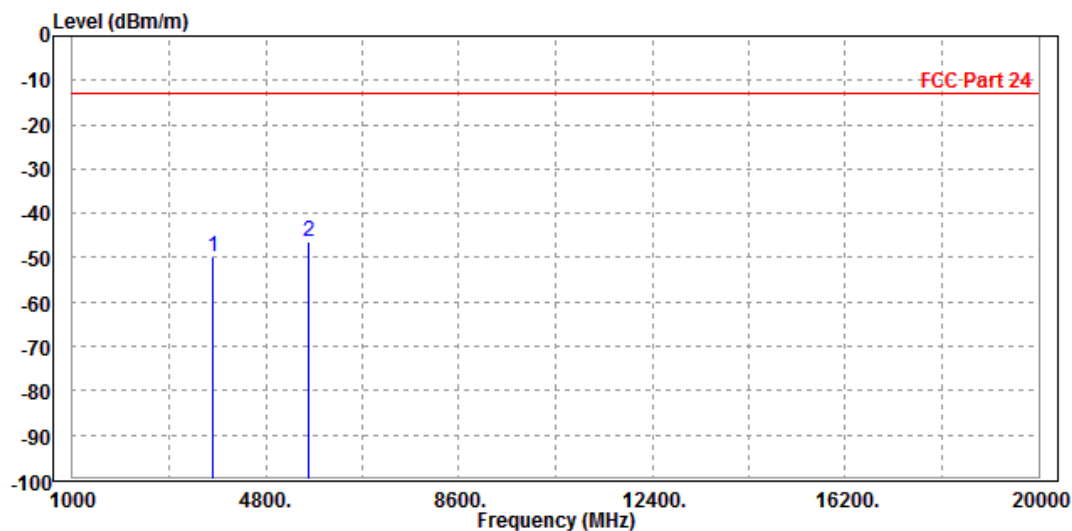
**BUREAU
VERITAS**

Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-49.77	-53.16	-13.00	-36.77	3.39	Peak	Horizontal
2 PP	5647.500	-46.26	-55.39	-13.00	-33.26	9.13	Peak	Horizontal



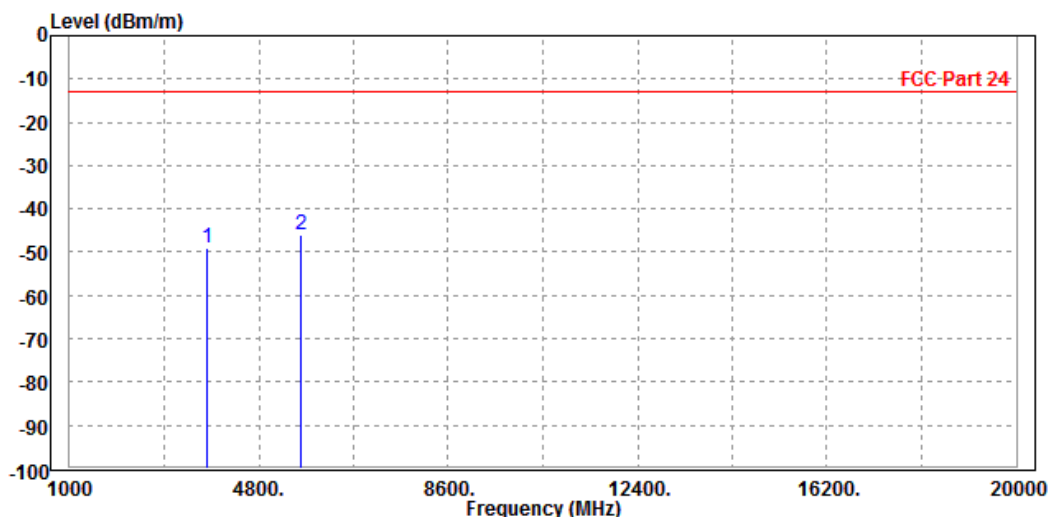


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VERITAS**

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.89	-52.75	-13.00	-35.89	3.86	Peak	Vertical
2 PP	5647.500	-46.01	-54.28	-13.00	-33.01	8.27	Peak	Vertical





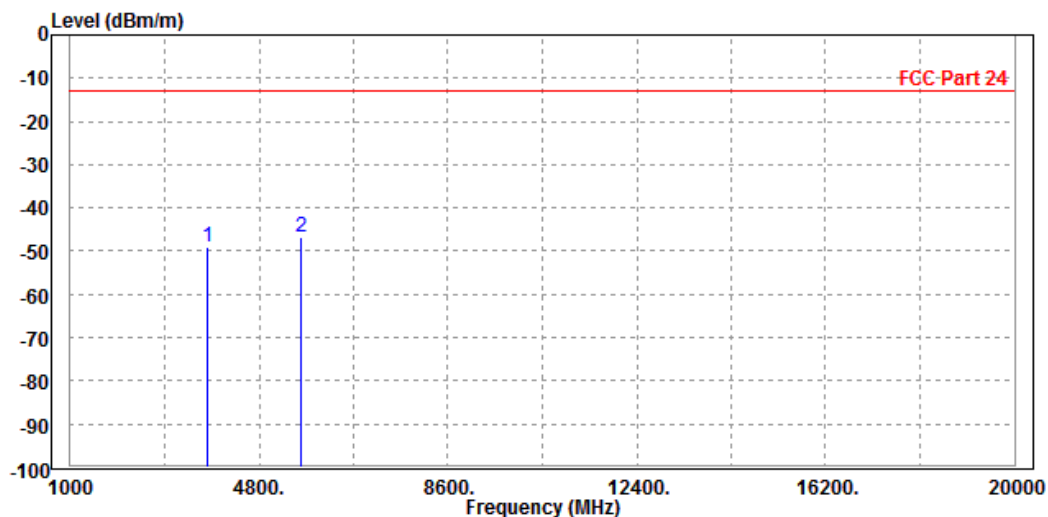
**BUREAU
VERITAS**

Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.92	-52.31	-13.00	-35.92	3.39	Peak	Horizontal
2 PP	5647.500	-46.76	-55.89	-13.00	-33.76	9.13	Peak	Horizontal



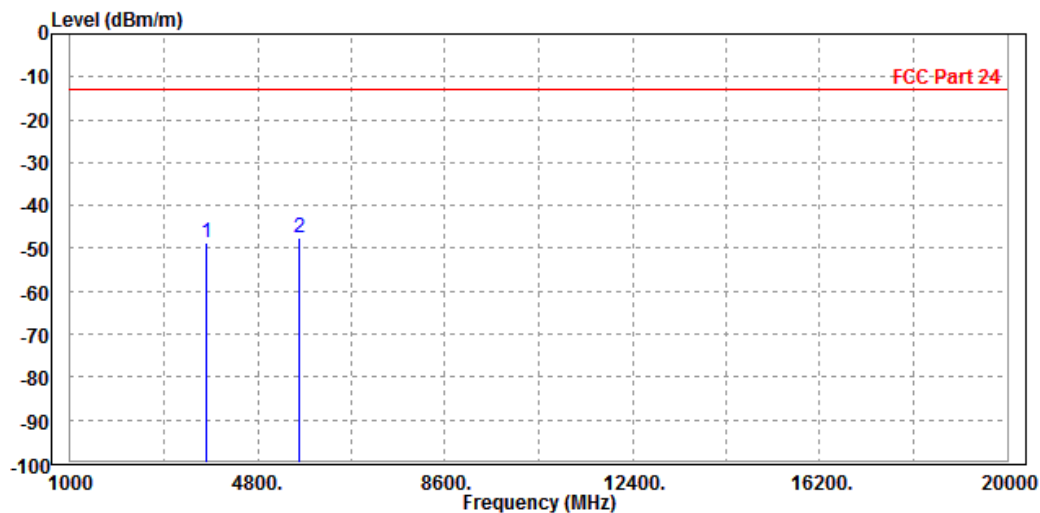


BUREAU
VERITAS

Test Report No.: RF190522W005-2

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter
TESTED BY	Star Le		
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	3756.000	-48.50	-52.36	-13.00	-35.50	3.86	Peak	Vertical
2 PP	5647.500	-47.37	-55.64	-13.00	-34.37	8.27	Peak	Vertical



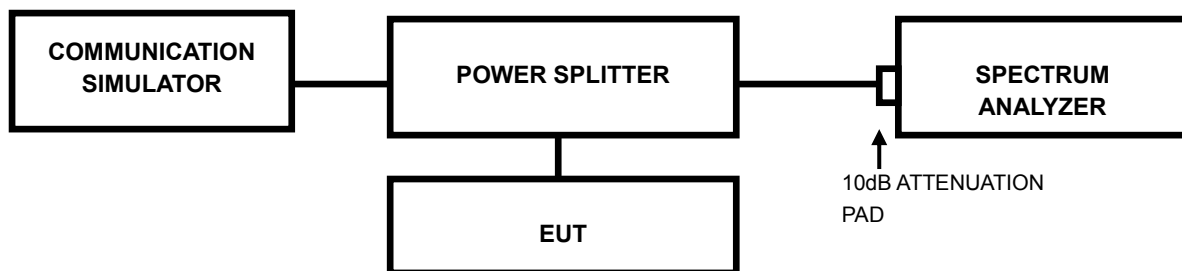


3.7 PEAK TO AVERAGE RATIO

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

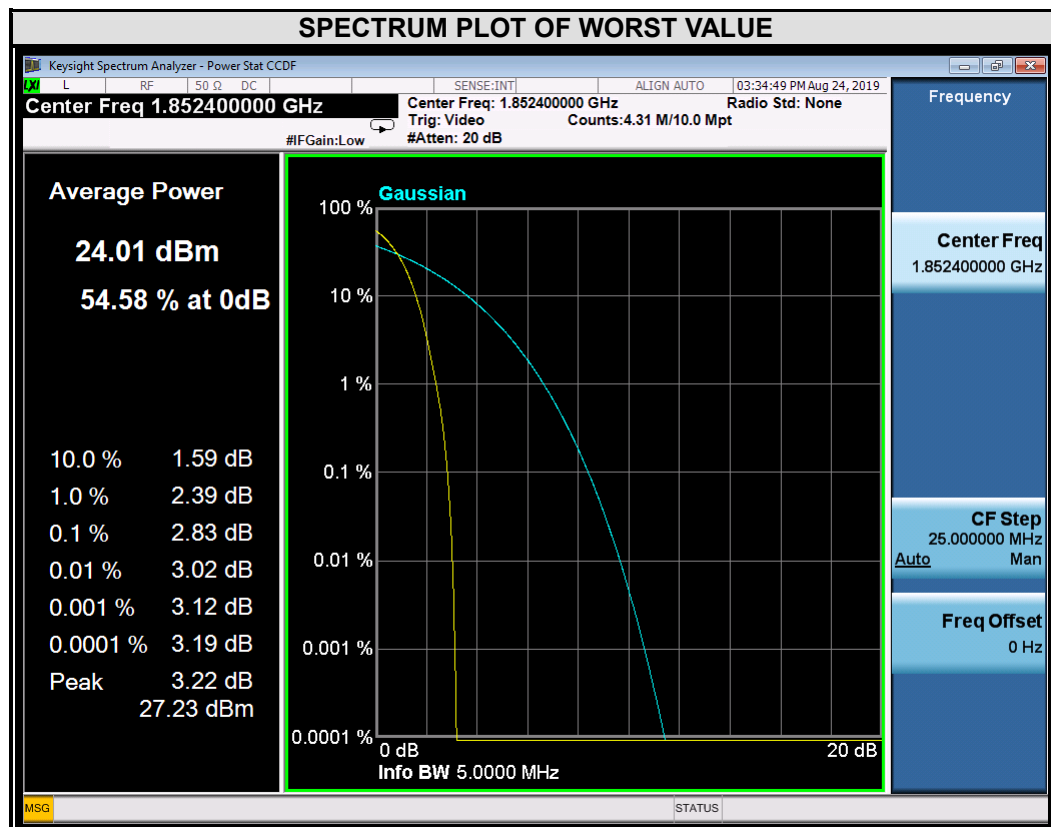
1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



3.7.4 TEST RESULTS

WCDMA

CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
9262	1852.4	2.83

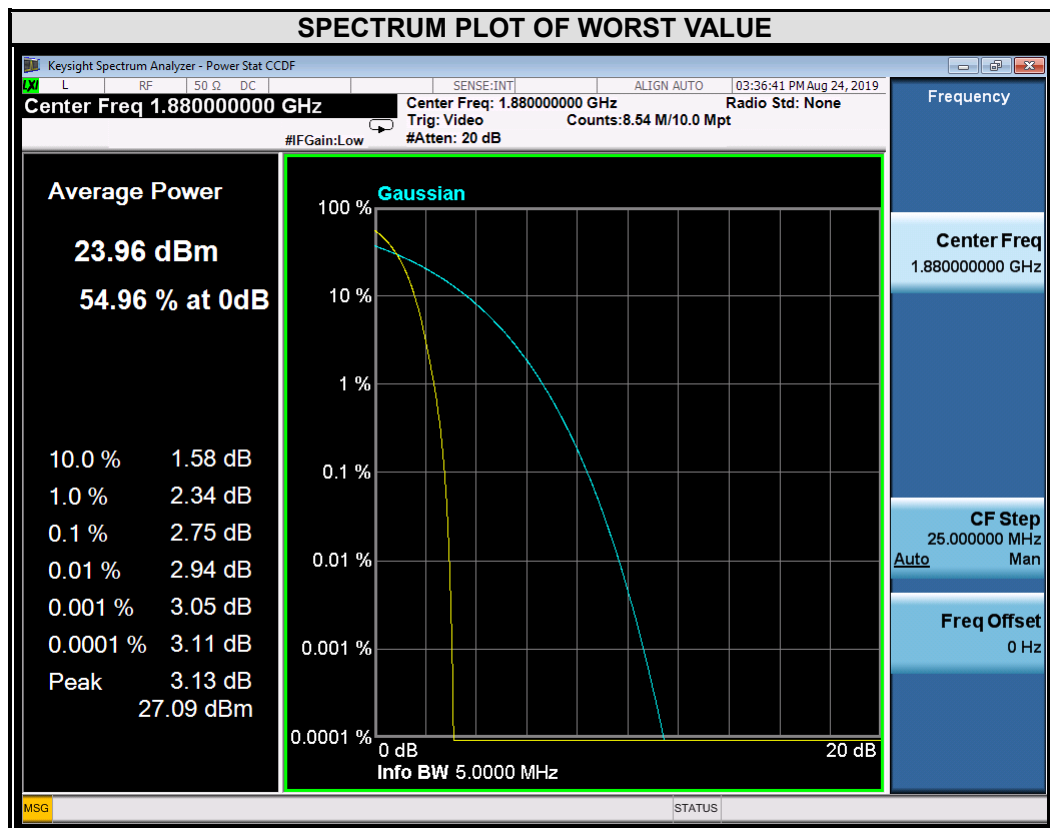




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Test Report No.: RF190522W005-2

CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
9400	1880.0	2.75

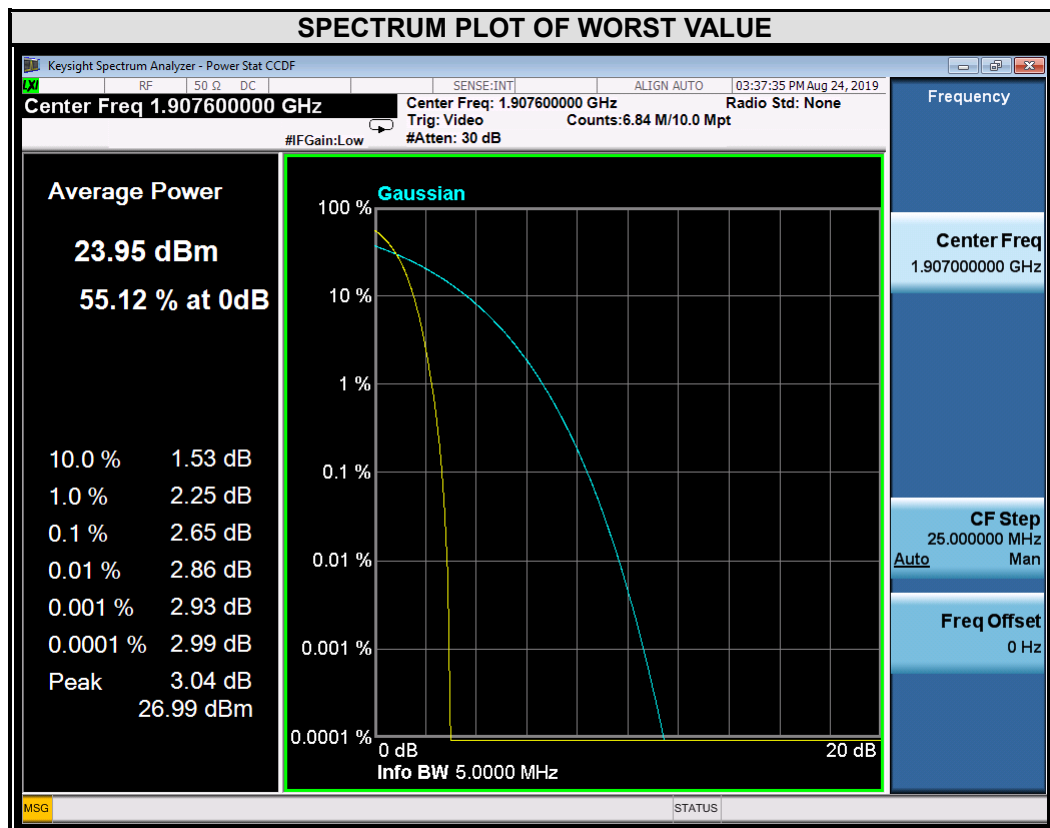




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Test Report No.: RF190522W005-2

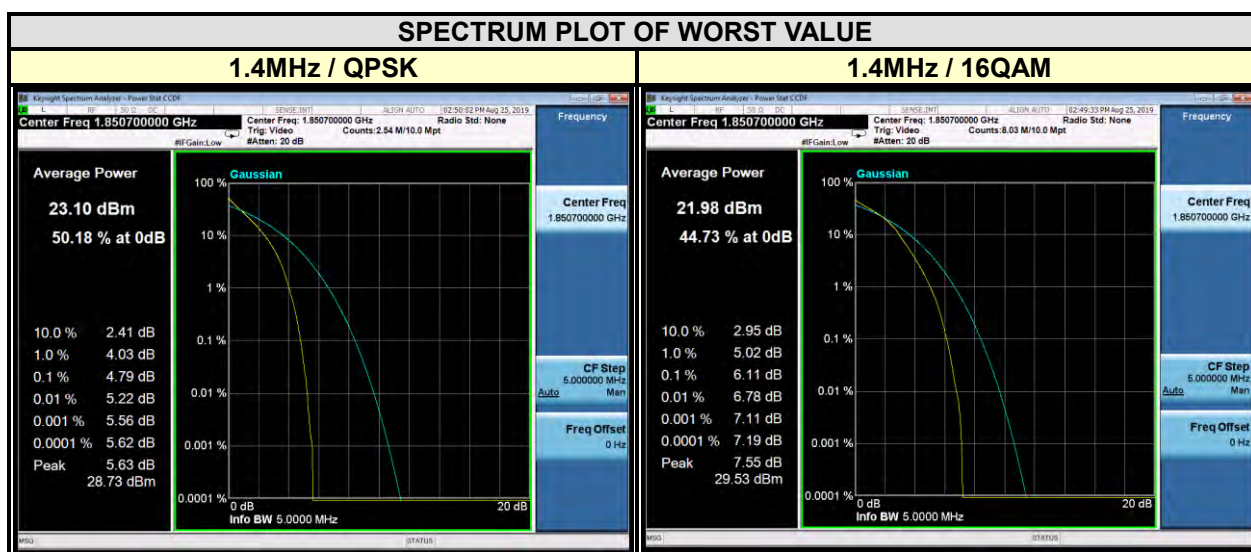
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
9538	1907.6	2.65





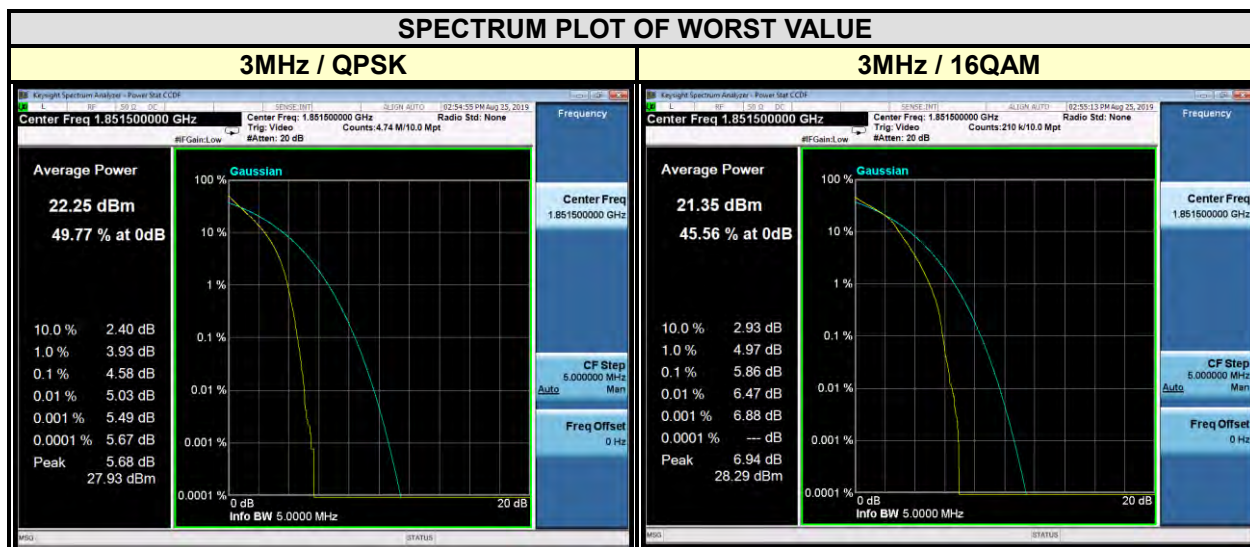
LTE BAND 2

CHANNEL BANDWIDTH: 1.4MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18607	1850.7	4.79	6.11
18900	1880	4.35	5.51
19193	1909.3	4.49	5.61





CHANNEL BANDWIDTH: 3MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18615	1851.5	4.58	5.86
18900	1880	4.25	5.49
19185	1908.5	4.37	5.60

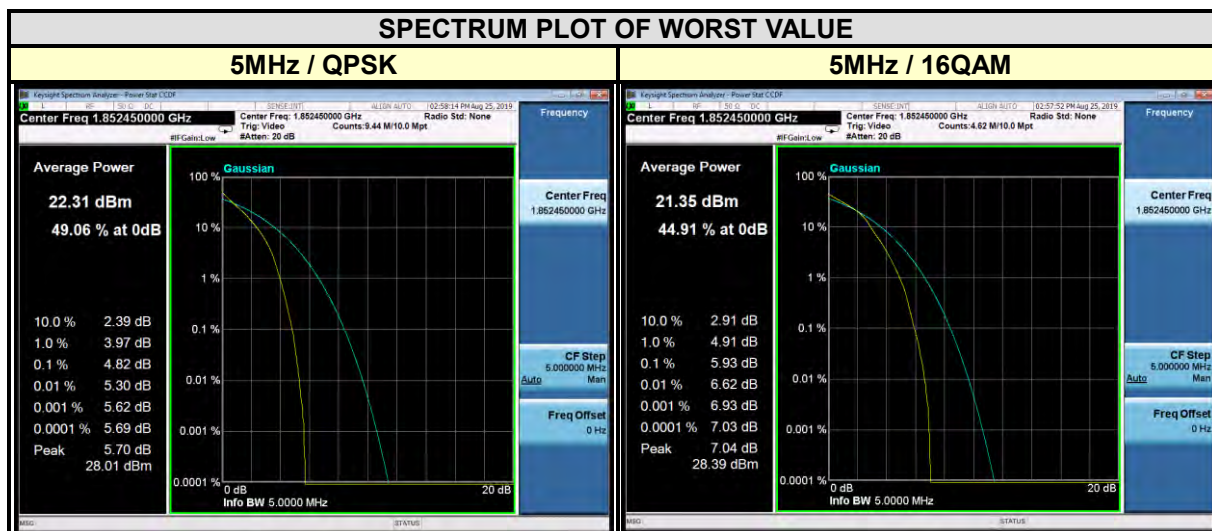




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Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 5MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18625	1852.5	4.82	5.93
18900	1880	4.52	5.53
19175	1907.5	4.57	5.61

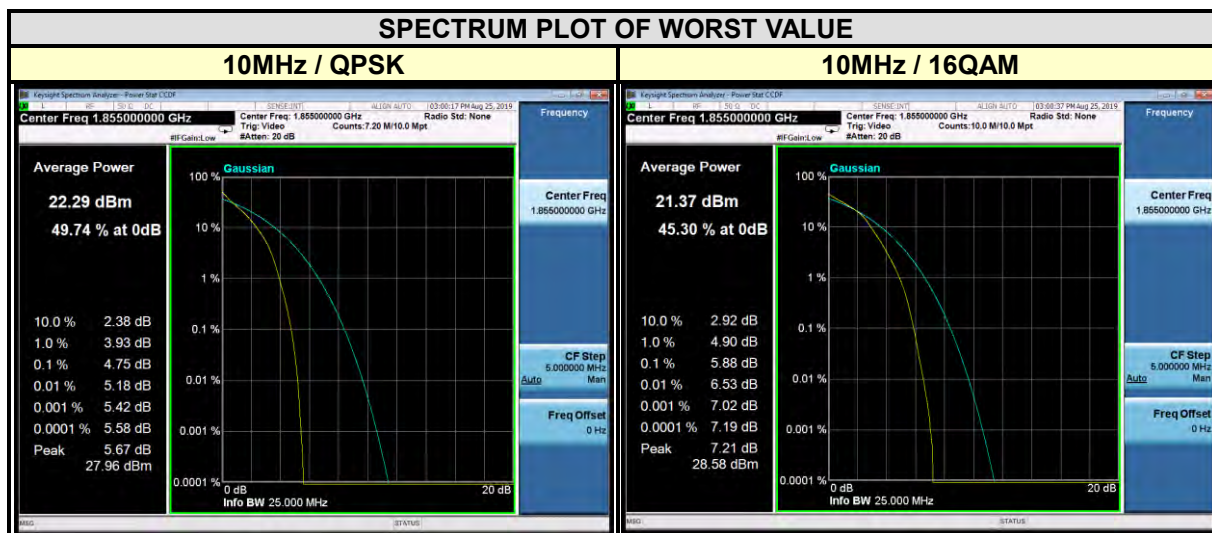




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Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 10MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18650	1855	4.75	5.88
18900	1880	4.49	5.35
19150	1905	4.34	5.43

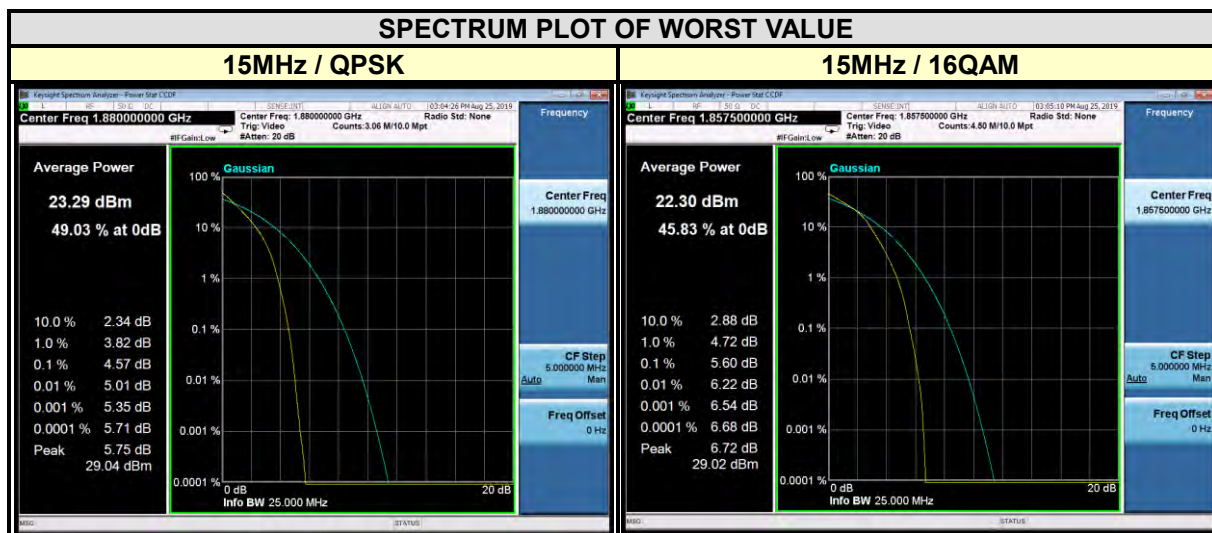




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VERITAS**

Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 15MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18675	1857.5	4.50	5.60
18900	1880	4.57	5.48
19125	1902.5	4.38	5.48

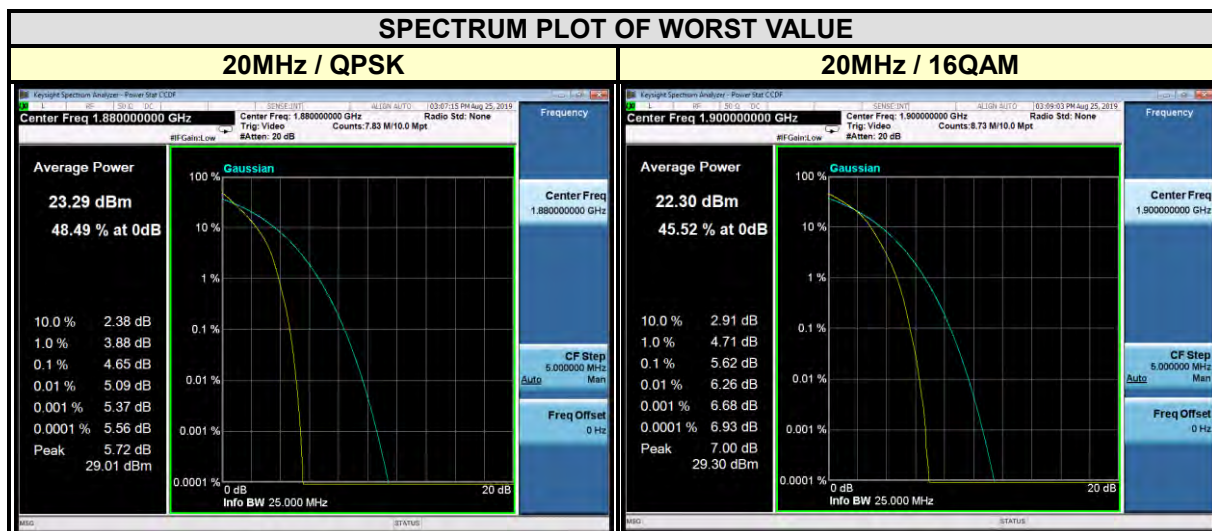




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Test Report No.: RF190522W005-2

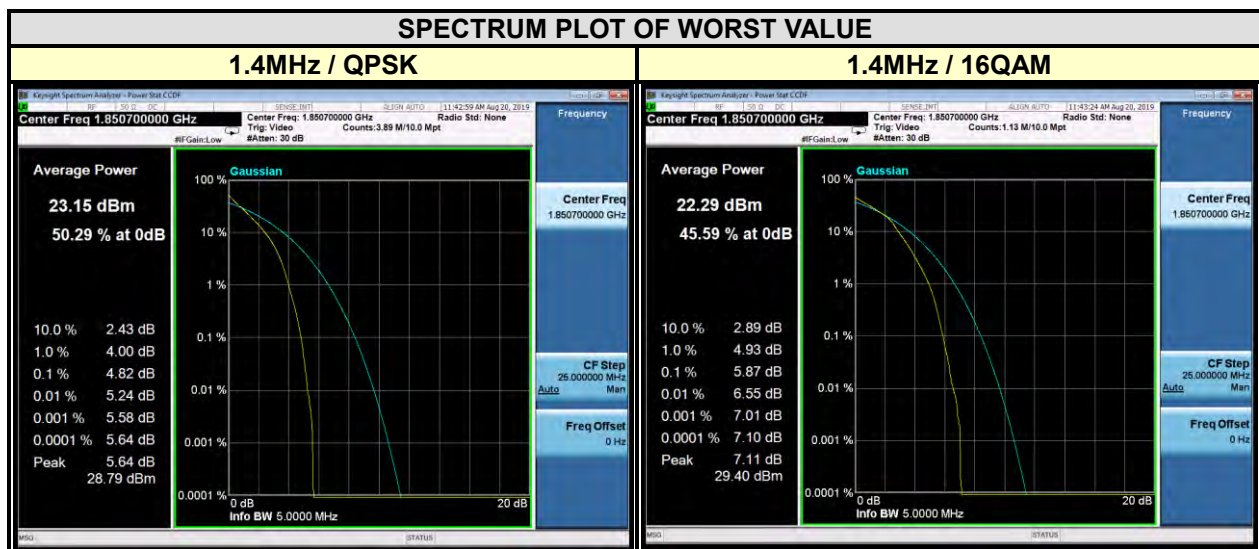
CHANNEL BANDWIDTH: 20MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
18700	1860	4.49	5.60
18900	1880	4.65	5.58
19100	1900	4.49	5.62





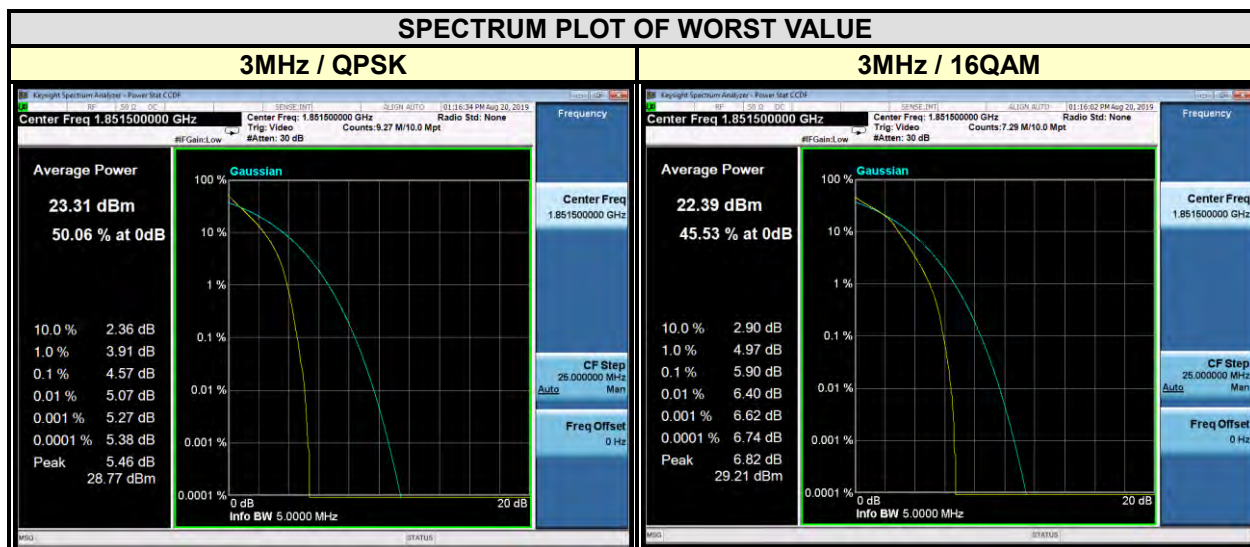
LTE BAND 25

CHANNEL BANDWIDTH: 1.4MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26047	1850.7	4.82	5.87
26365	1882.5	4.59	5.64
26683	1914.3	4.50	5.51





CHANNEL BANDWIDTH: 3MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26055	1851.5	4.57	5.90
26365	1882.5	4.39	5.65
26675	1913.5	4.28	5.28

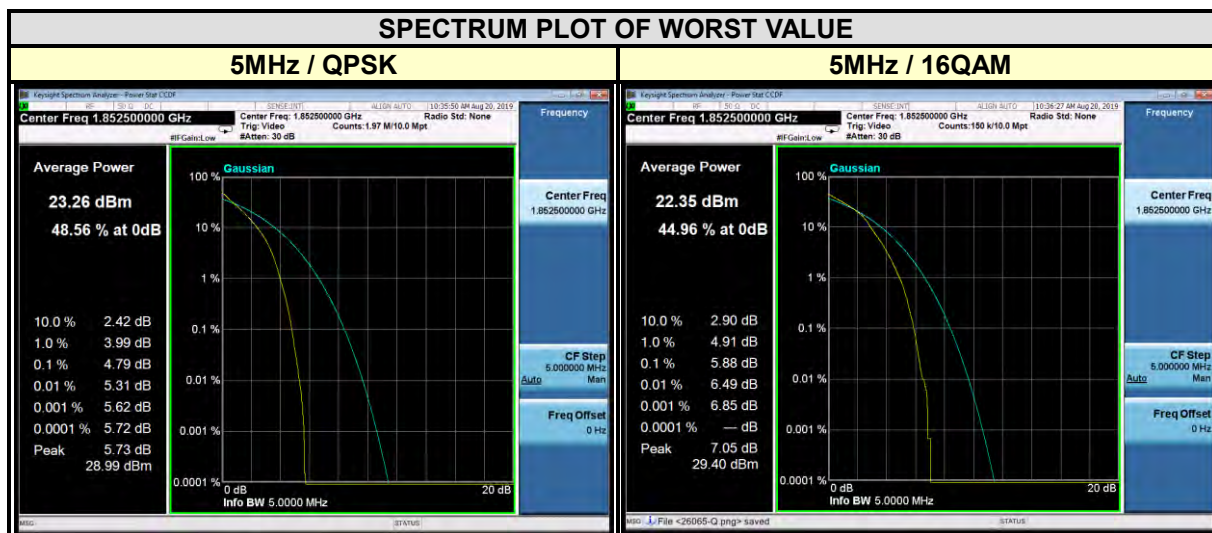




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Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 5MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26065	1852.5	4.79	5.88
26365	1882.5	4.67	5.68
26665	1912.5	4.43	5.39

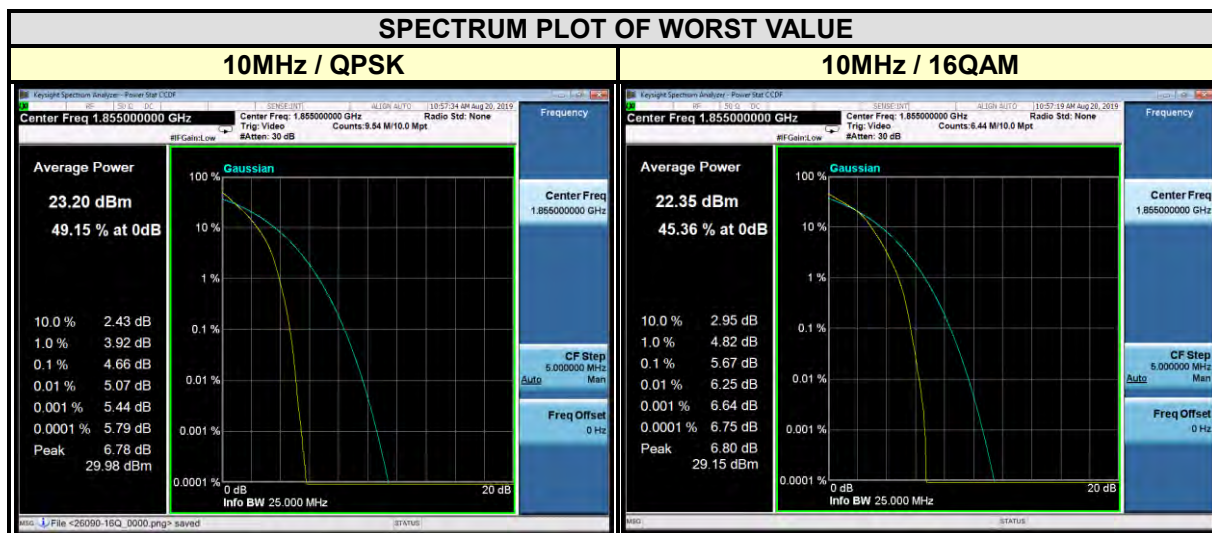




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VERITAS

Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 10MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26090	1855	4.66	5.67
26365	1882.5	4.48	5.56
26640	1910	4.26	5.28

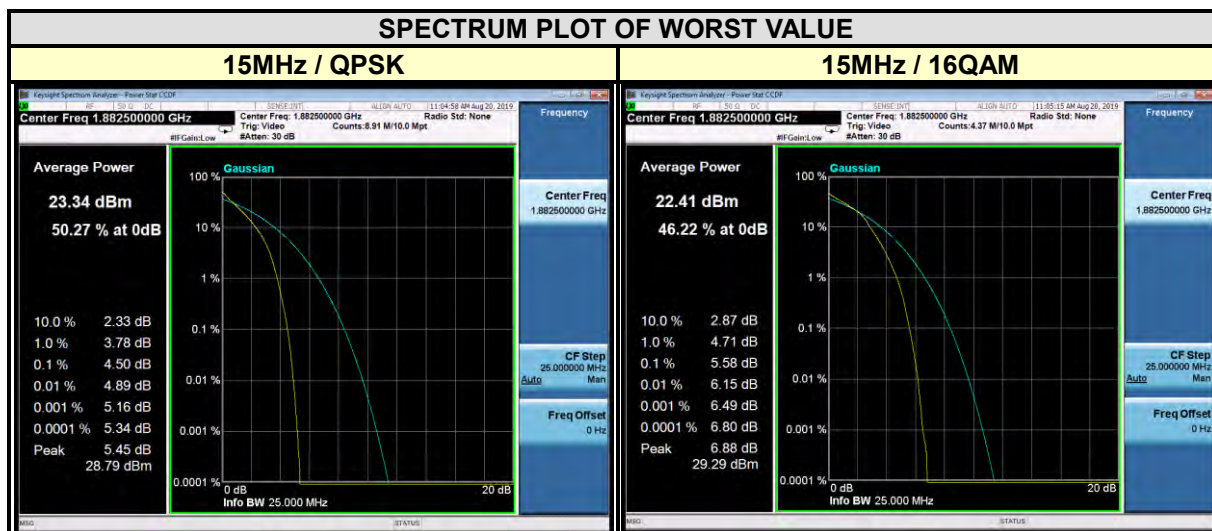




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Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 15MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26115	1857.5	4.45	5.54
26365	1882.5	4.50	5.58
26615	1907.5	4.34	5.45

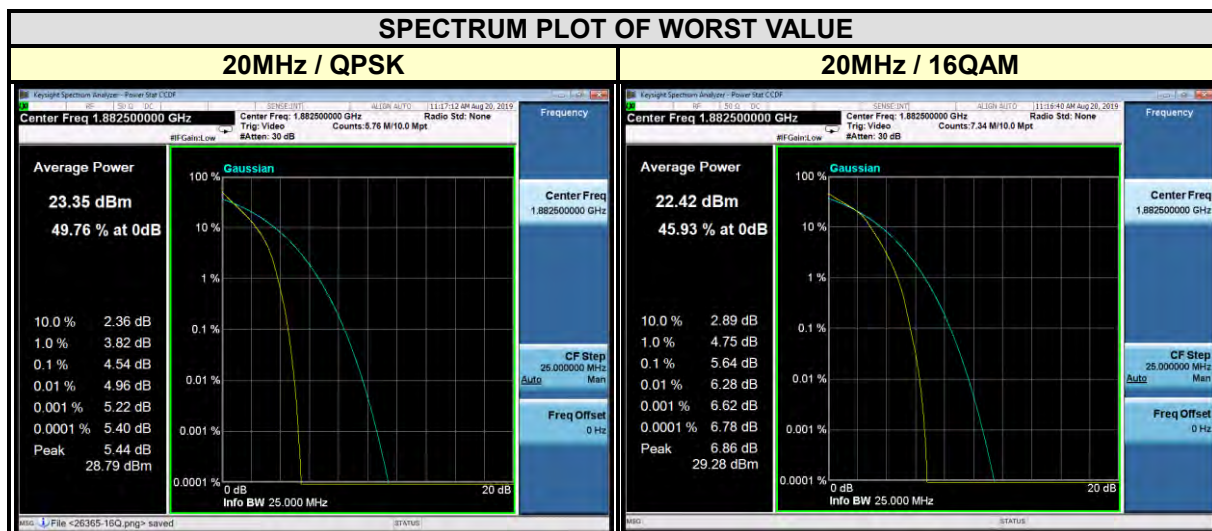




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Test Report No.: RF190522W005-2

CHANNEL BANDWIDTH: 20MHz			
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)	
		QPSK	16QAM
26140	1860	4.38	5.55
26365	1882.5	4.54	5.64
26590	1905	4.51	5.61





Test Report No.: RF190522W005-2

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.dg@cn.bureauveritas.com

Web Site: www.adt.com.tw

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



BUREAU VERITAS Test Report No.: RF190522W005-2

5 APPENDIX A – 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.

---END---