



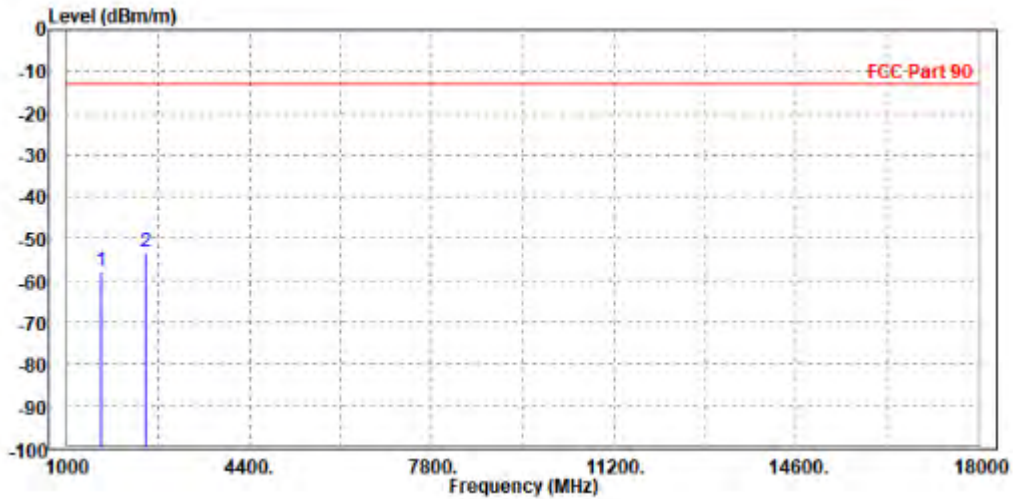
**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF04

CH16765

MODE	TX channel 16765	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	1646.000	-57.98	-58.74	-13.00	-44.98	0.76	Peak	Horizontal
2 PP	2464.500	-53.35	-58.66	-13.00	-40.35	5.31	Peak	Horizontal

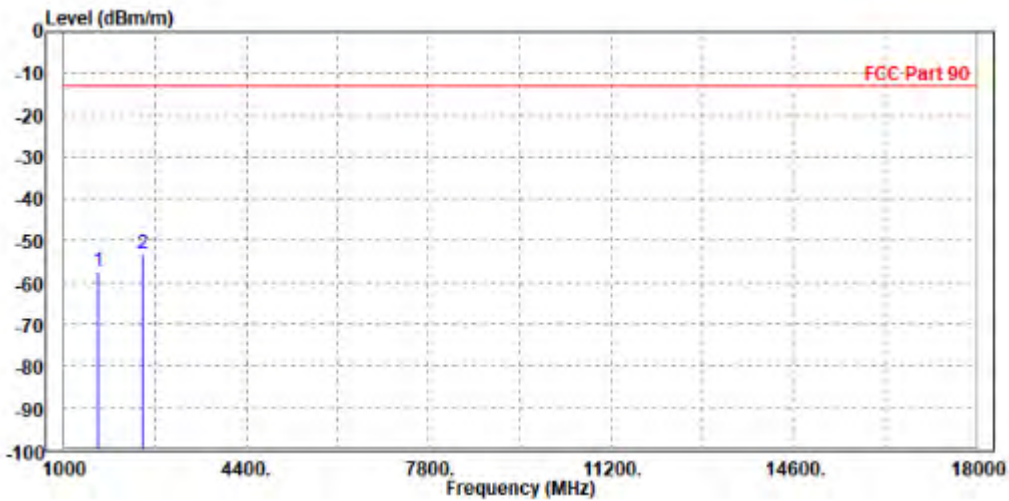




Test Report No.: W7L-P20210616-3RF04

MODE	TX channel 16765	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	1643.000	-57.52	-58.52	-13.00	-44.52	1.00	Peak	Vertical
2	PP 2462.000	-53.08	-57.92	-13.00	-40.08	4.84	Peak	Vertical





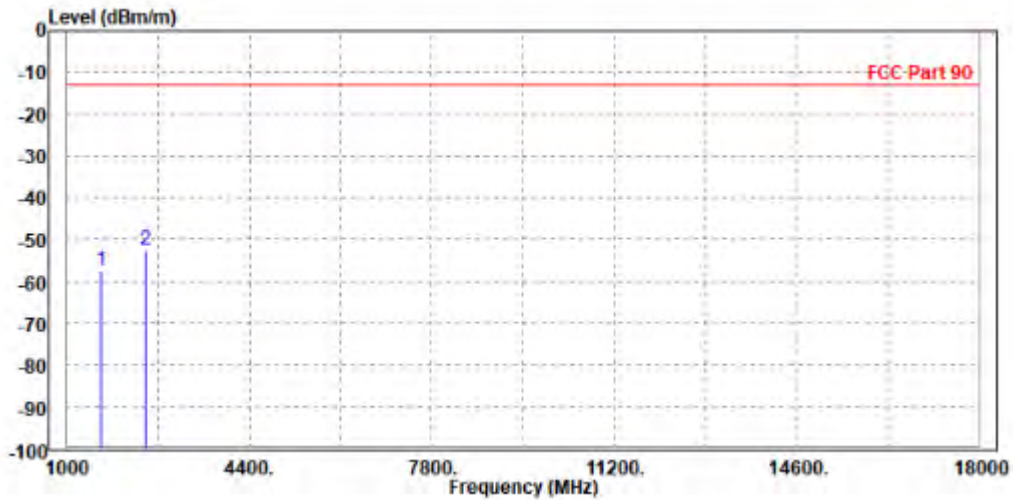
**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF04

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 26740	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	1638.000	-57.42	-58.11	-13.00	-44.42	0.69	Peak	Horizontal
2 PP	2462.000	-52.61	-57.91	-13.00	-39.61	5.30	Peak	Horizontal

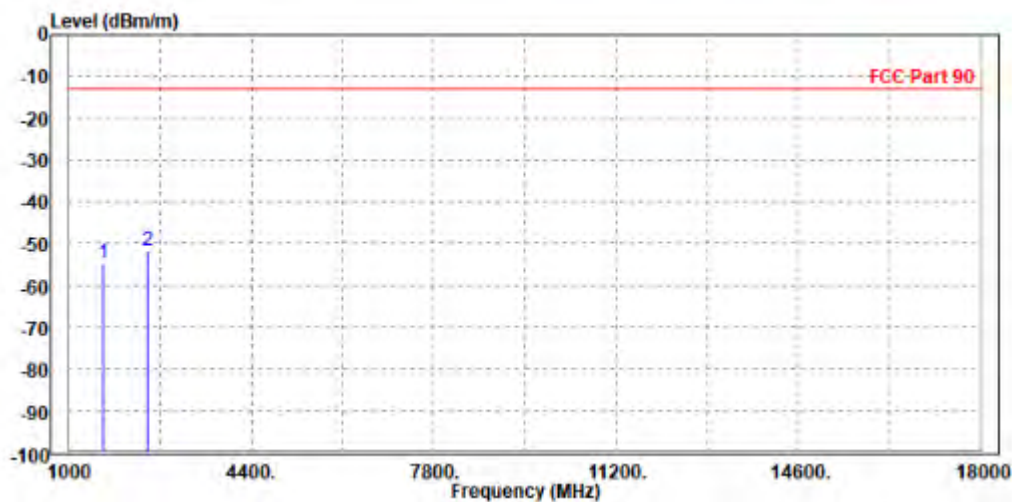




Test Report No.: W7L-P20210616-3RF04

MODE	TX channel 26740	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	1646.000	-54.87	-58.23	-13.00	-41.87	3.36	Peak	Vertical
2 PP	2457.000	-51.72	-58.74	-13.00	-38.72	7.02	Peak	Vertical

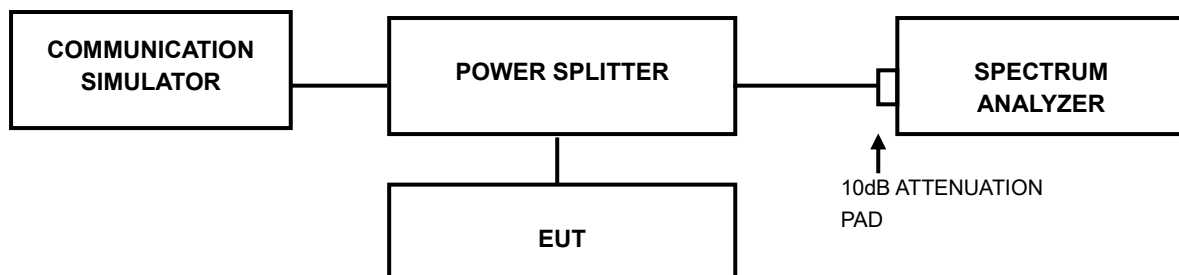


3.7 PEAK TO AVERAGE RATIO

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%.



Test Report No.: W7L-P20210616-3RF04

3.7.4 TEST RESULTS

Please Refer to Appendix D Of this test report.



Test Report No.: W7L-P20210616-3RF04

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@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.



Test Report No.: W7L-P20210616-3RF04

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

No modifications were made to the EUT by the lab during the test.

Please Refer to Appendix D Of this test report.



APPENDIX D:

LTE BAND26

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	3.70	13	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	5.20	13	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	3.94	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	5.40	13	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	3.76	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	5.18	13	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	5.31	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	6.00	13	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	5.73	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	6.22	13	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	5.24	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	5.96	13	PASS
Band26	3MHz	QPSK	26705	1RB#0	3.57	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	5.12	13	PASS
Band26	3MHz	QPSK	26740	1RB#0	3.64	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	5.29	13	PASS
Band26	3MHz	QPSK	26775	1RB#0	3.61	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	5.13	13	PASS
Band26	3MHz	16QAM	26705	1RB#0	5.16	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	5.99	13	PASS
Band26	3MHz	16QAM	26740	1RB#0	5.42	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	6.14	13	PASS
Band26	3MHz	16QAM	26775	1RB#0	5.27	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	5.95	13	PASS
Band26	5MHz	QPSK	26715	1RB#0	3.57	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	5.27	13	PASS
Band26	5MHz	QPSK	26740	1RB#0	3.63	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	5.40	13	PASS
Band26	5MHz	QPSK	26765	1RB#0	3.67	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	5.30	13	PASS
Band26	5MHz	16QAM	26715	1RB#0	5.24	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	6.03	13	PASS
Band26	5MHz	16QAM	26740	1RB#0	5.31	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	6.11	13	PASS
Band26	5MHz	16QAM	26765	1RB#0	5.56	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	6.04	13	PASS
Band26	10MHz	QPSK	26740	1RB#0	3.51	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	5.26	13	PASS
Band26	10MHz	QPSK	26840	1RB#0	3.28	13	PASS

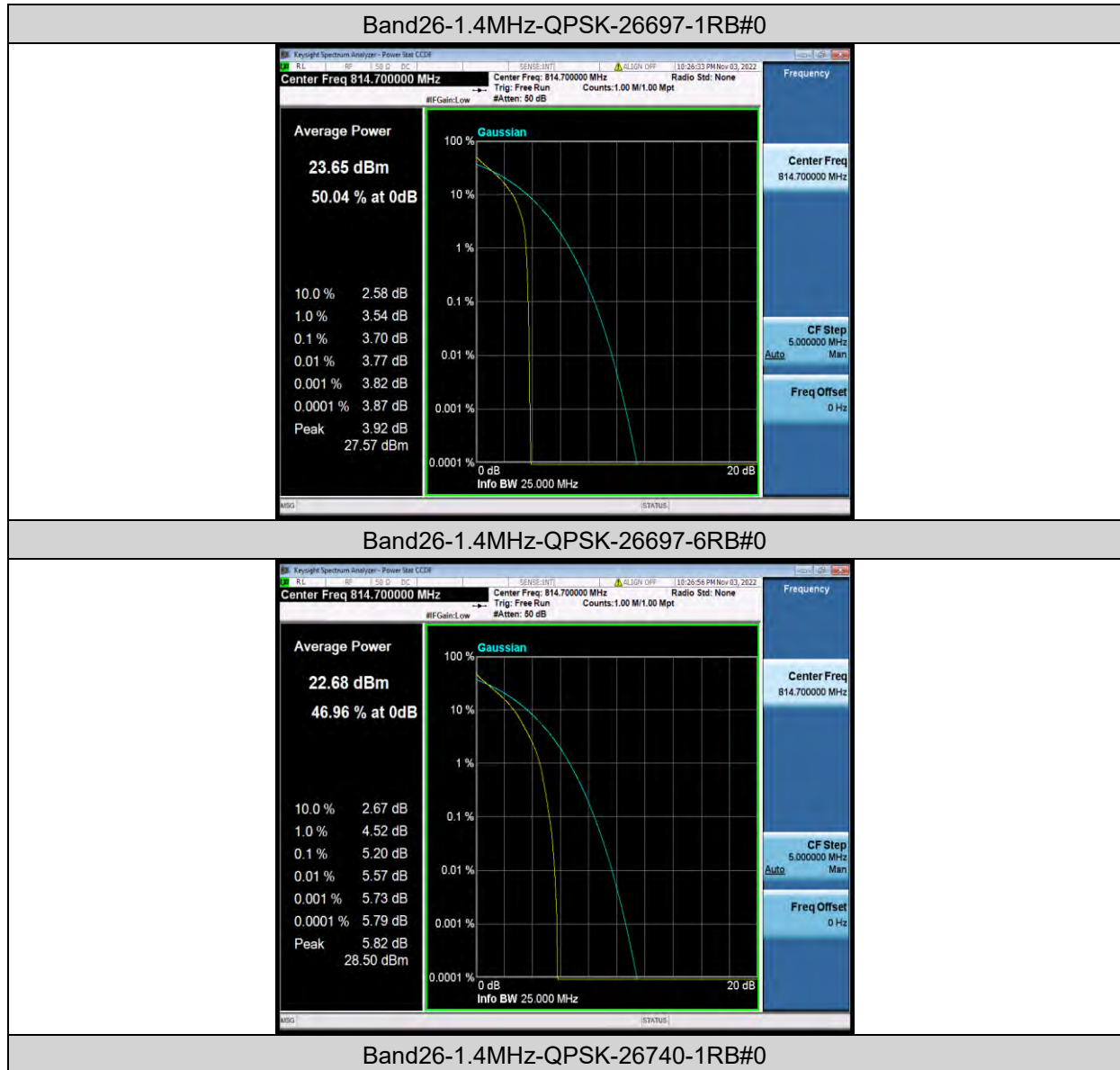


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Test Report No.: W7L-P20210616-3RF04

Band26	10MHz	QPSK	26840	50RB#0	4.72	13	PASS
Band26	10MHz	QPSK	26915	1RB#0	3.43	13	PASS
Band26	10MHz	QPSK	26915	50RB#0	5.28	13	PASS
Band26	10MHz	QPSK	26990	1RB#0	3.52	13	PASS
Band26	10MHz	QPSK	26990	50RB#0	5.15	13	PASS
Band26	10MHz	16QAM	26990	1RB#0	5.26	13	PASS
Band26	10MHz	16QAM	26990	50RB#0	5.95	13	PASS

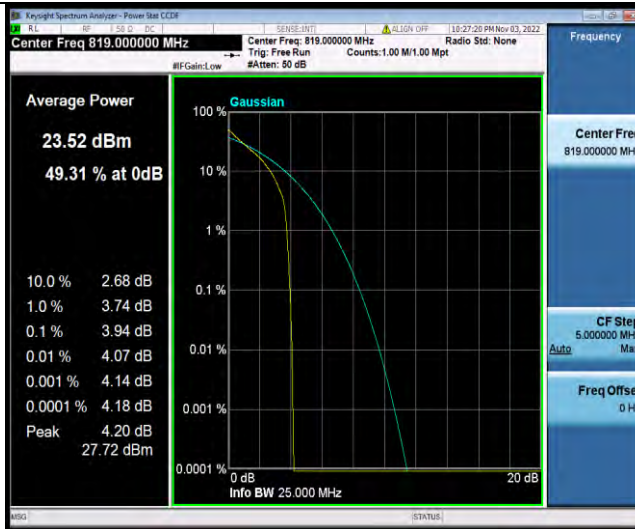
Test Graphs





BUREAU VERITAS

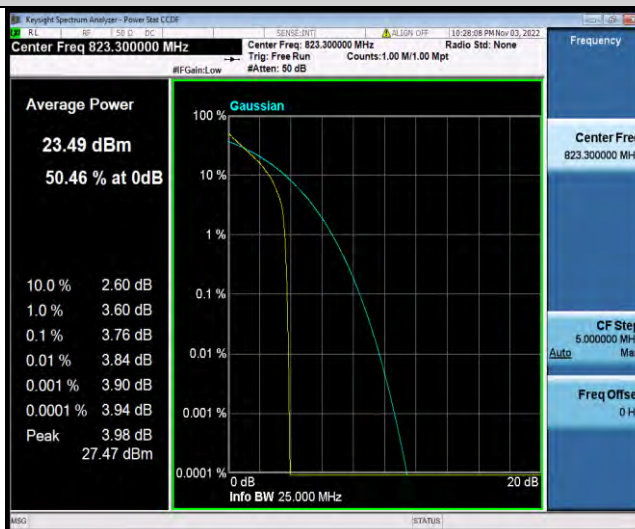
Test Report No.: W7L-P20210616-3RF04



Band26-1.4MHz-QPSK-26740-6RB#0



Band26-1.4MHz-QPSK-26783-1RB#0

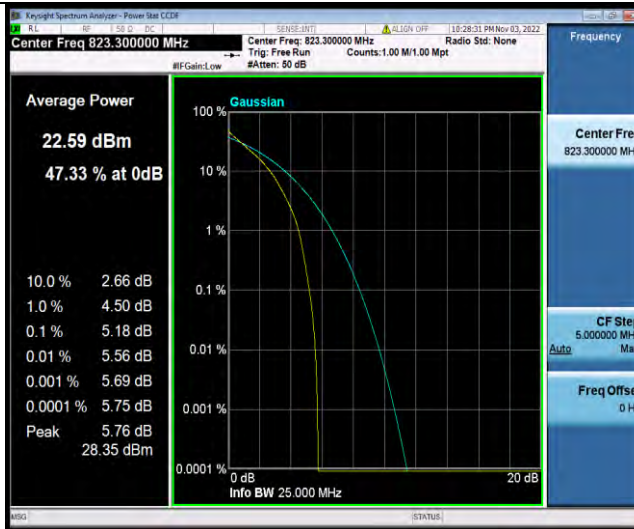


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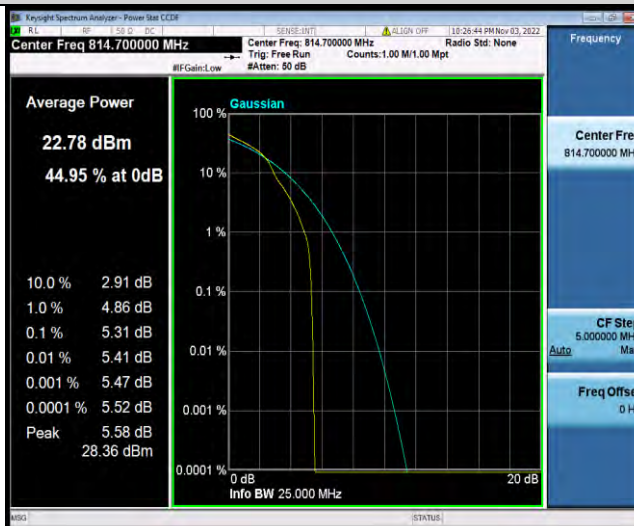


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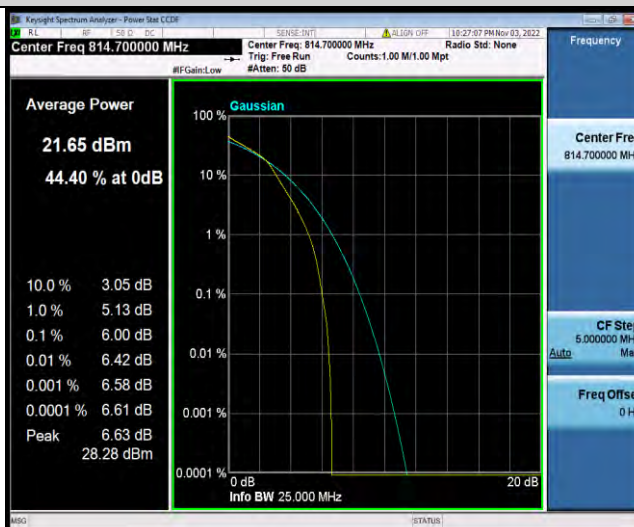
Test Report No.: W7L-P20210616-3RF04



Band26-1.4MHz-16QAM-26697-1RB#0



Band26-1.4MHz-16QAM-26697-6RB#0

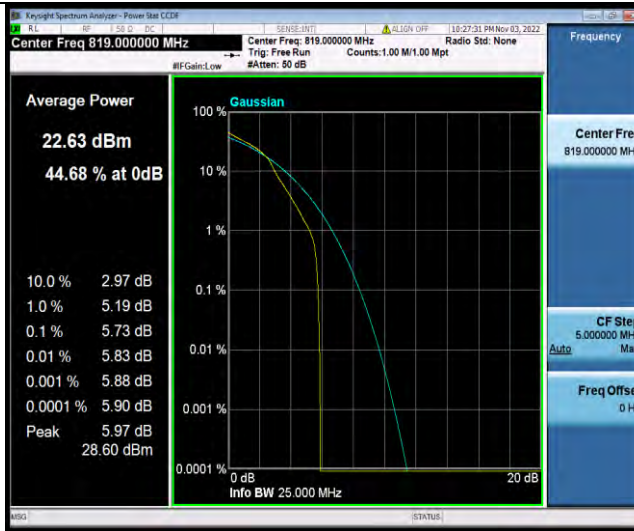


Band26-1.4MHz-16QAM-26740-1RB#0

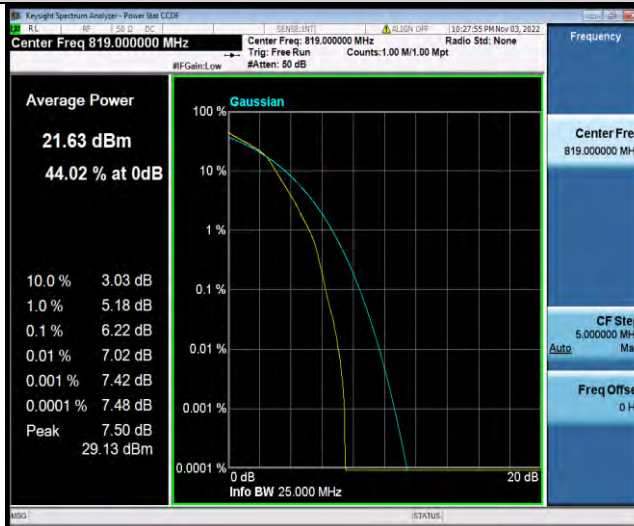


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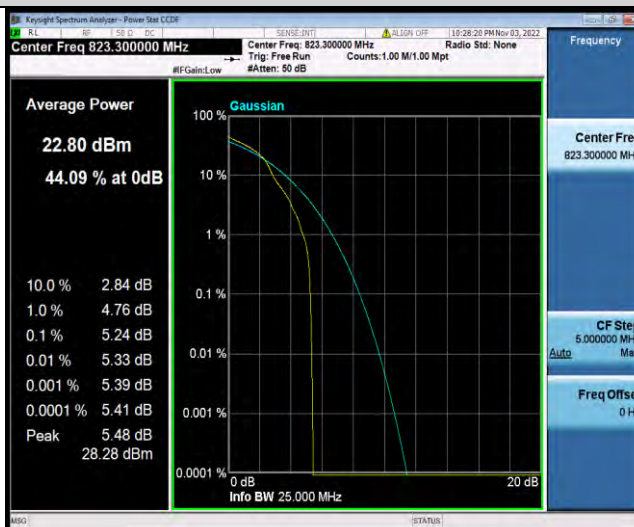
Test Report No.: W7L-P20210616-3RF04



Band26-1.4MHz-16QAM-26740-6RB#0



Band26-1.4MHz-16QAM-26783-1RB#0

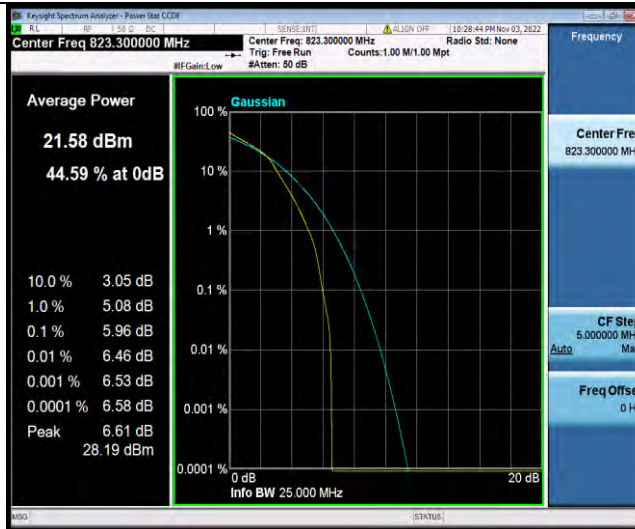


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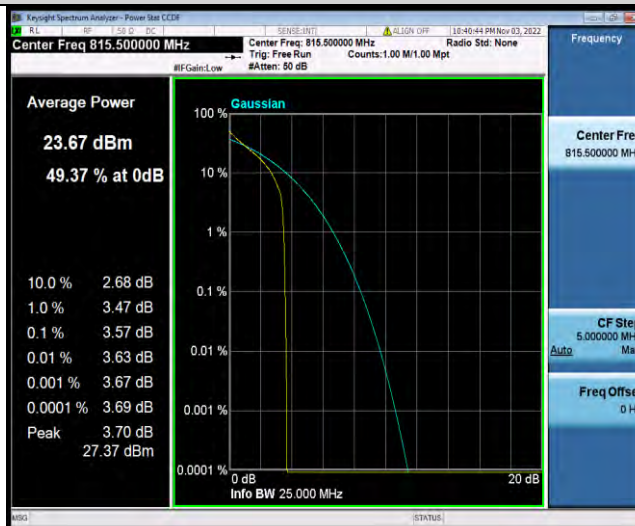


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Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-QPSK-26705-1RB#0



Band26-3MHz-QPSK-26705-15RB#0

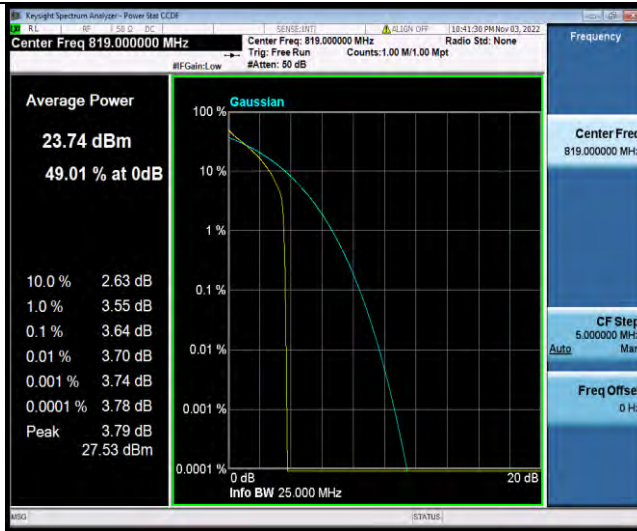


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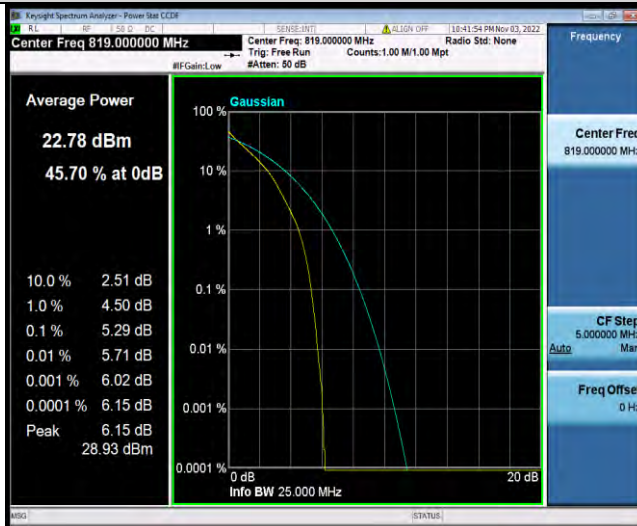


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Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-QPSK-26740-15RB#0



Band26-3MHz-QPSK-26775-1RB#0

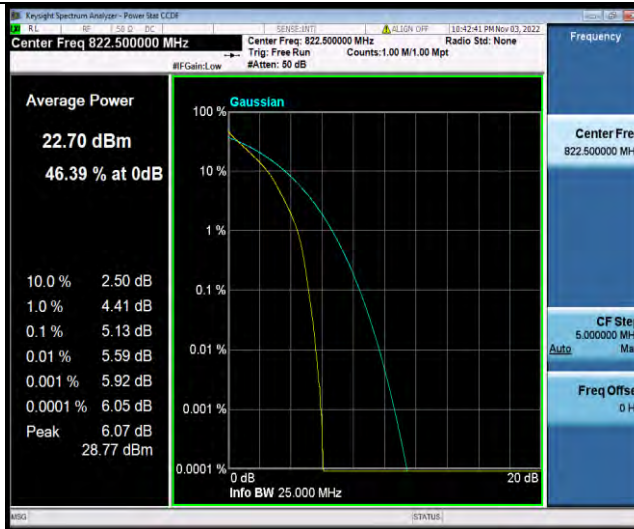


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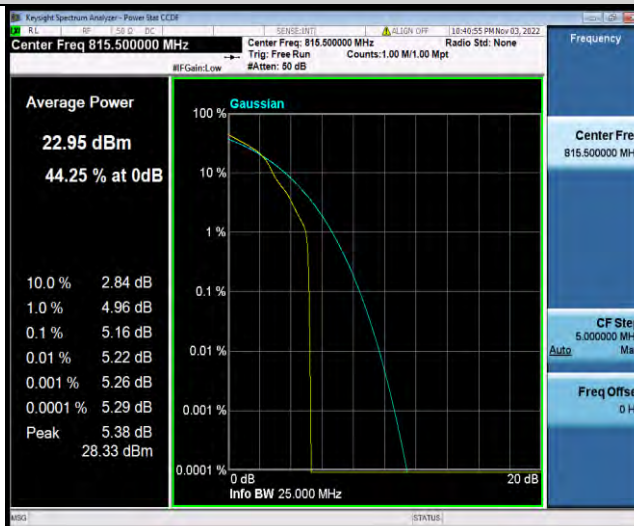


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Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-16QAM-26705-1RB#0



Band26-3MHz-16QAM-26705-15RB#0

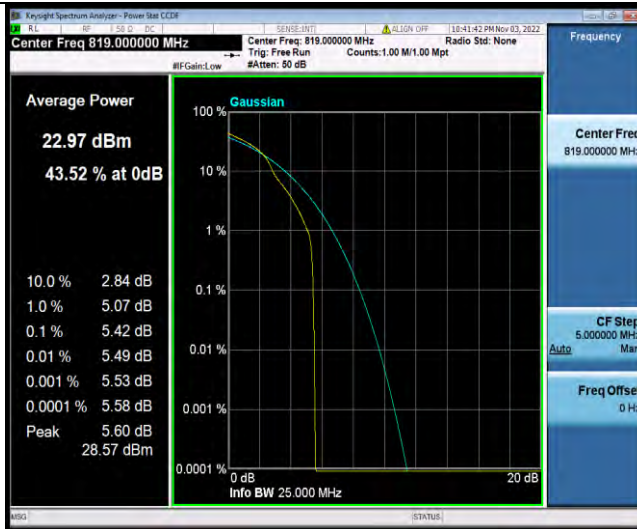


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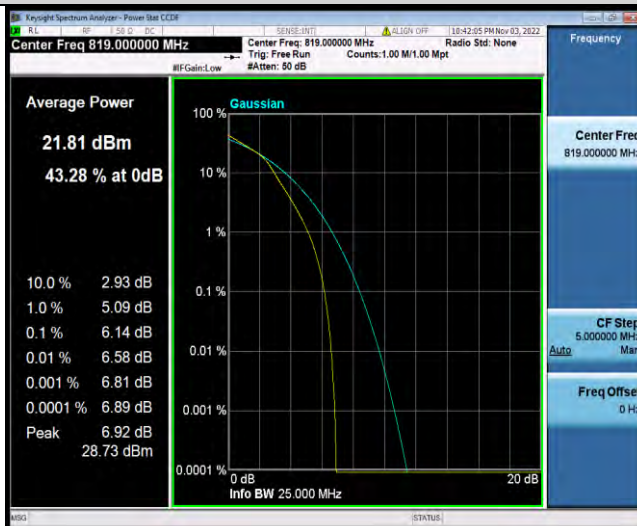


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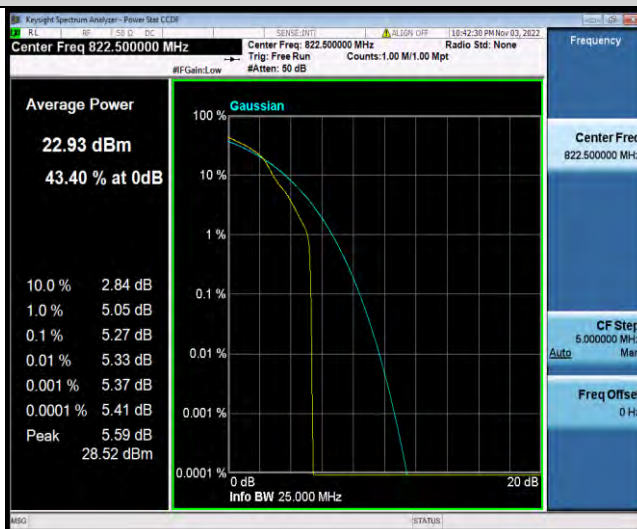
Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-16QAM-26740-15RB#0



Band26-3MHz-16QAM-26775-1RB#0

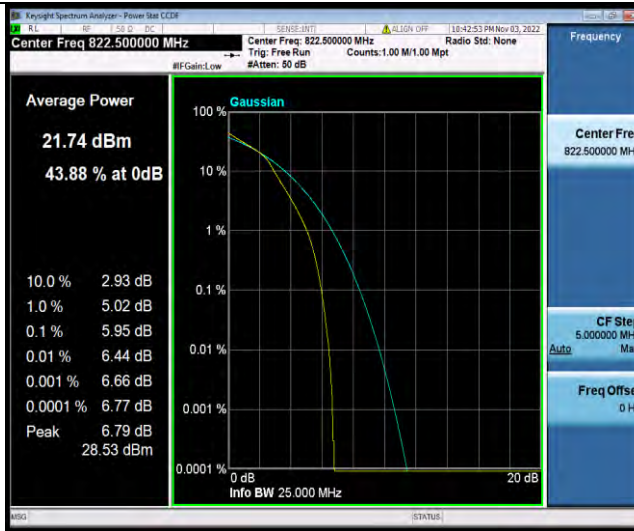


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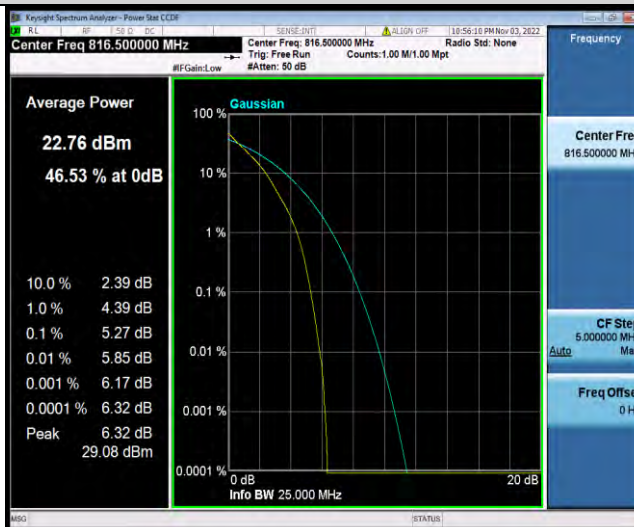
Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-QPSK-26715-1RB#0



Band26-5MHz-QPSK-26715-25RB#0

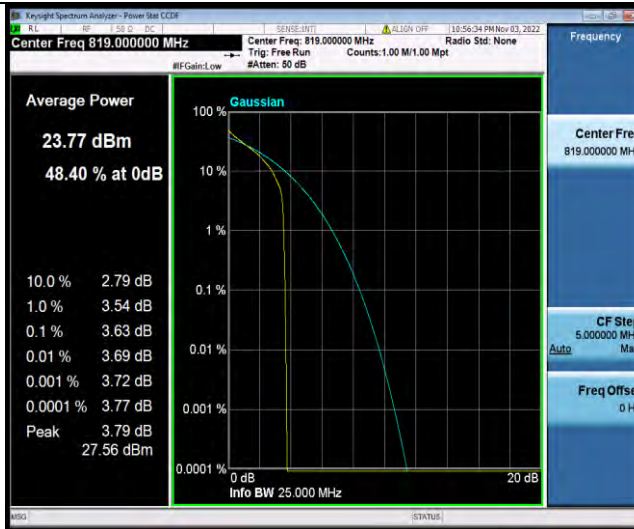


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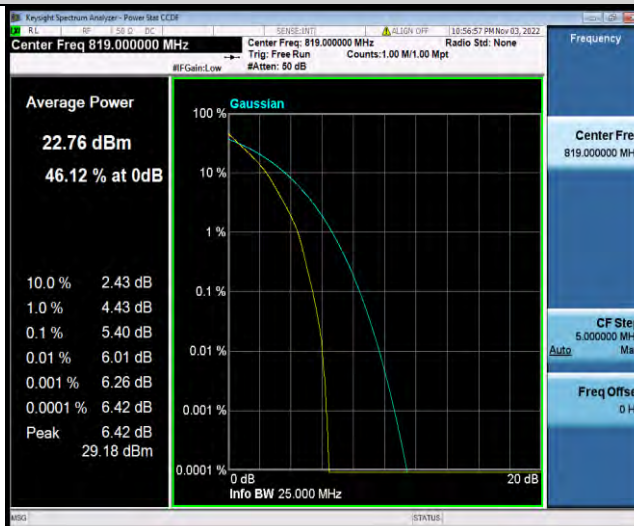


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Test Report No.: W7L-P20210616-3RF04



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Band26-5MHz-QPSK-26765-1RB#0



Band26-5MHz-QPSK-26765-25RB#0

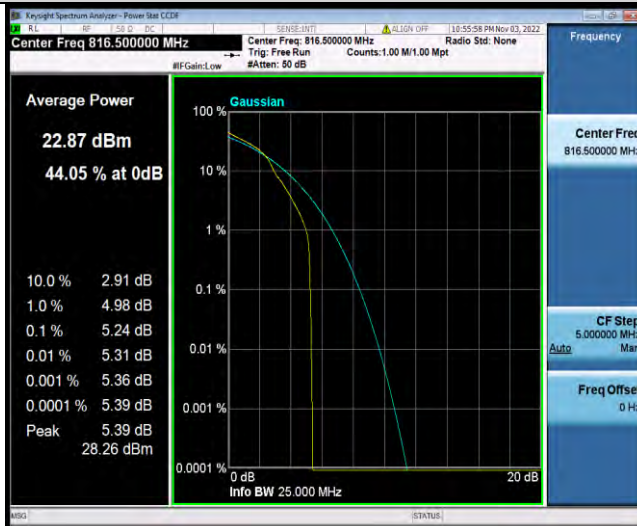


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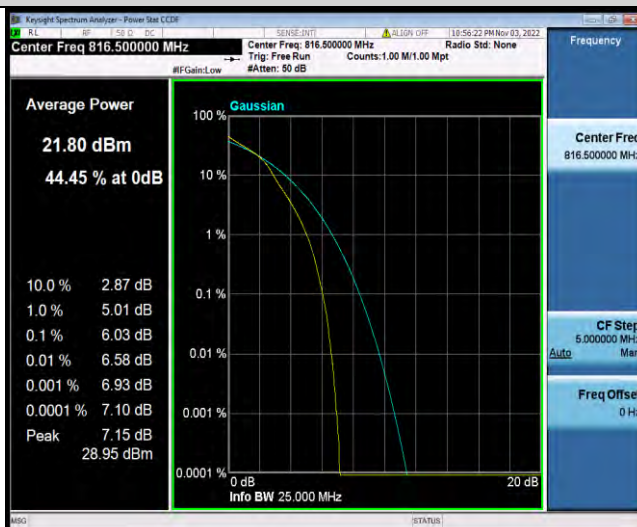
Test Report No.: W7L-P20210616-3RF04



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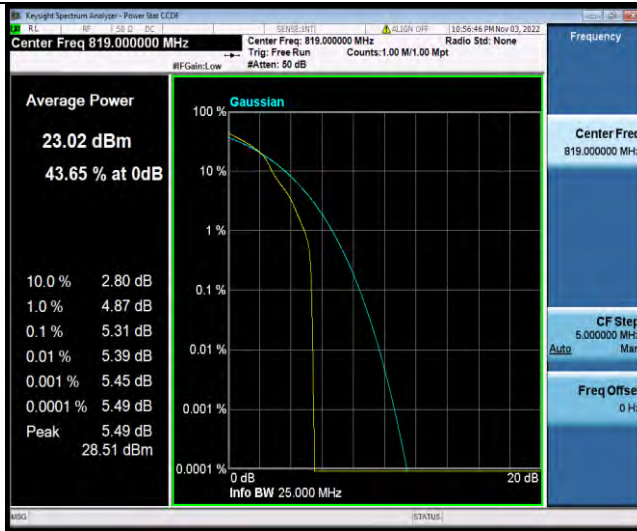


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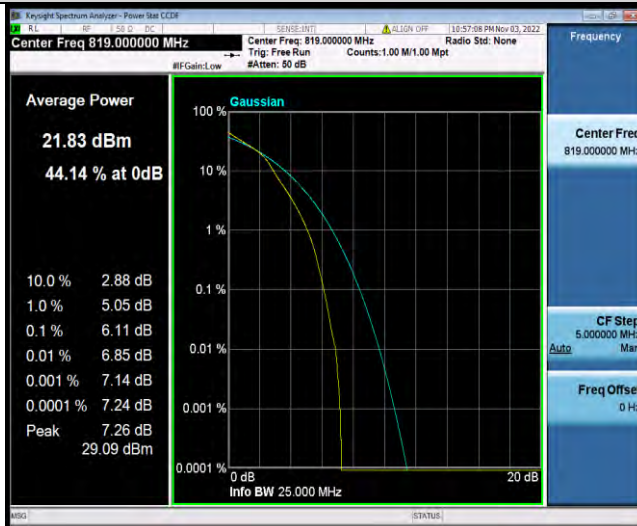


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VERITAS

Test Report No.: W7L-P20210616-3RF04



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Band26-5MHz-16QAM-26765-1RB#0



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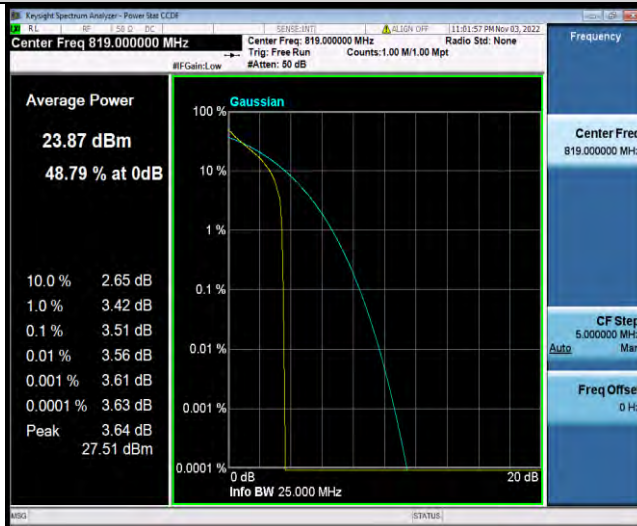


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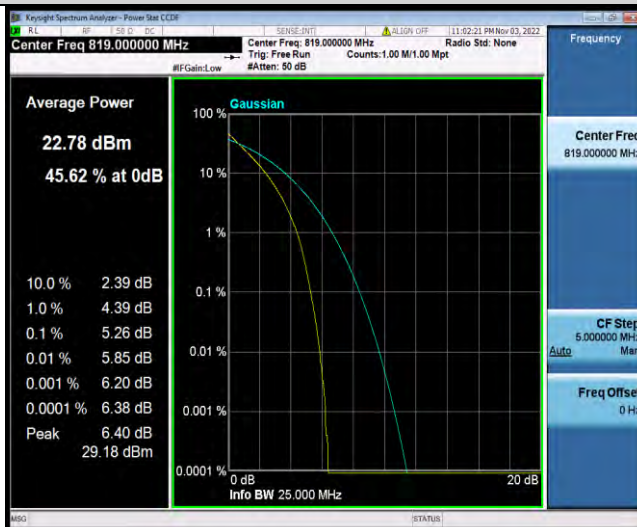
Test Report No.: W7L-P20210616-3RF04



Band26-10MHz-QPSK-26740-1RB#0



Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-1RB#0

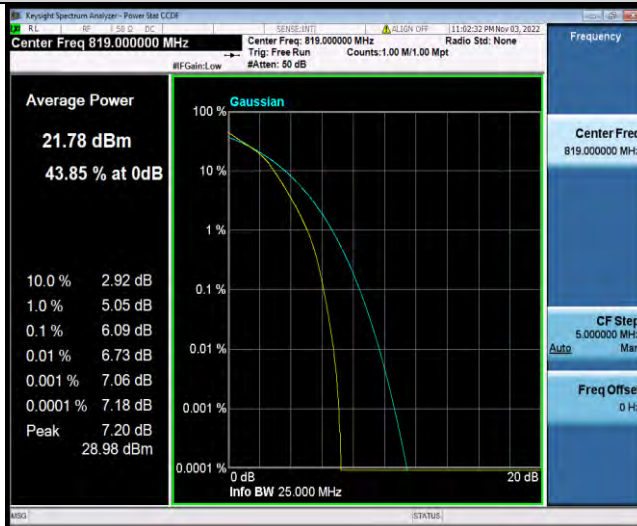


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Test Report No.: W7L-P20210616-3RF04



Band26-10MHz-16QAM-26740-50RB#0





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Test Report No.: W7L-P20210616-3RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.0889	1.220	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0880	1.221	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0949	1.217	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0891	1.226	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0870	1.204	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.0885	1.219	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.6935	2.897	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6969	2.919	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.6953	2.905	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6874	2.922	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.6892	2.922	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6920	2.947	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.4937	4.868	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.5006	4.859	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.5009	4.853	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.5013	4.836	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.5004	4.879	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.5035	4.852	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.9927	9.543	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.9688	9.524	PASS



Test Report No.: W7L-P20210616-3RF04

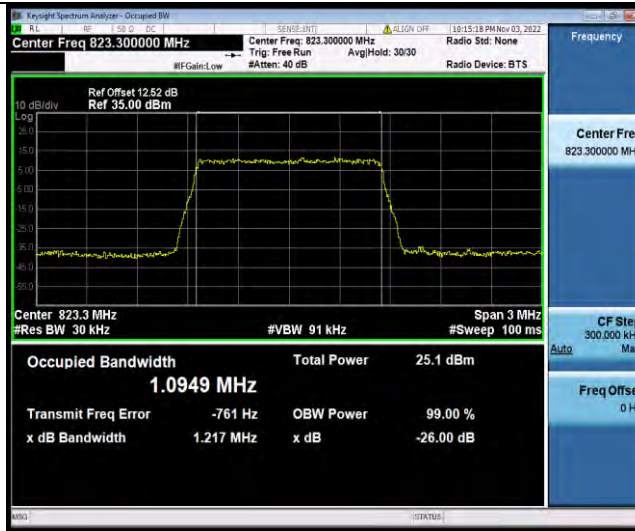
Test Graphs





BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-1.4MHz-16QAM-26697-6RB#0



Band26-1.4MHz-16QAM-26740-6RB#0

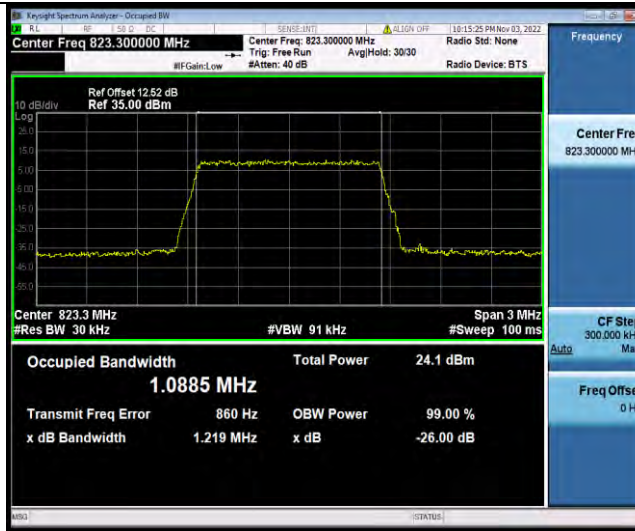


Band26-1.4MHz-16QAM-26783-6RB#0

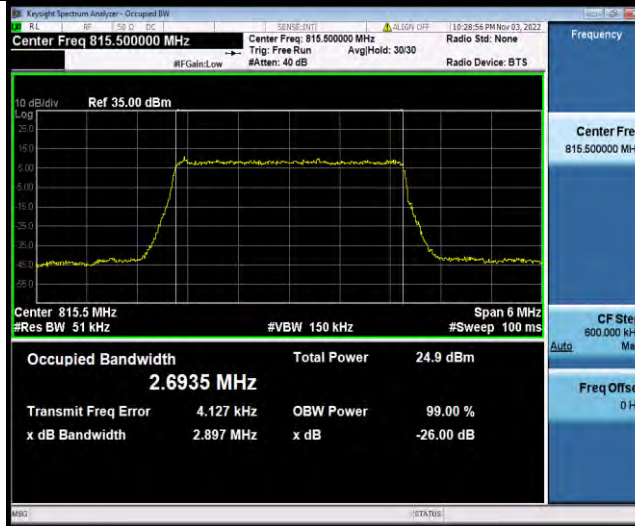


BUREAU VERITAS

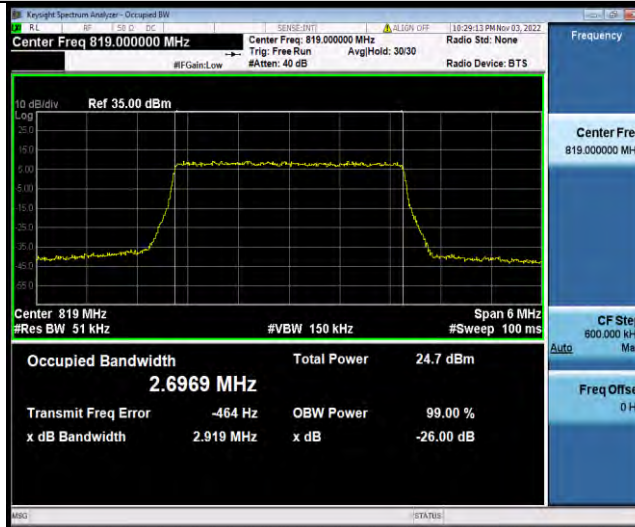
Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-QPSK-26705-15RB#0



Band26-3MHz-QPSK-26740-15RB#0

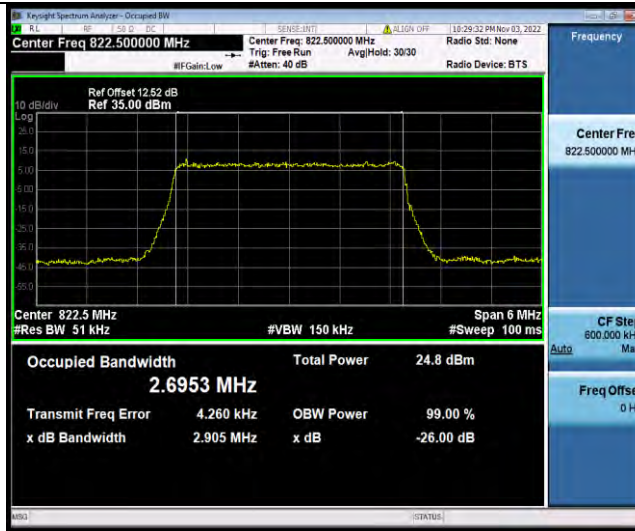


Band26-3MHz-QPSK-26775-15RB#0



BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-16QAM-26705-15RB#0



Band26-3MHz-16QAM-26740-15RB#0

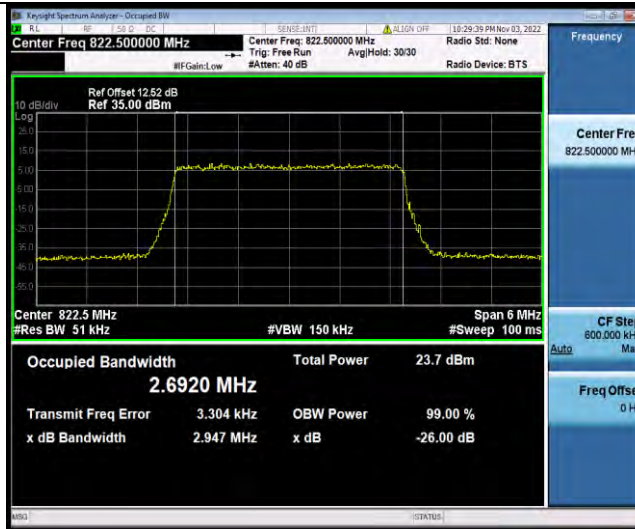


Band26-3MHz-16QAM-26775-15RB#0



BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-QPSK-26715-25RB#0



Band26-5MHz-QPSK-26740-25RB#0

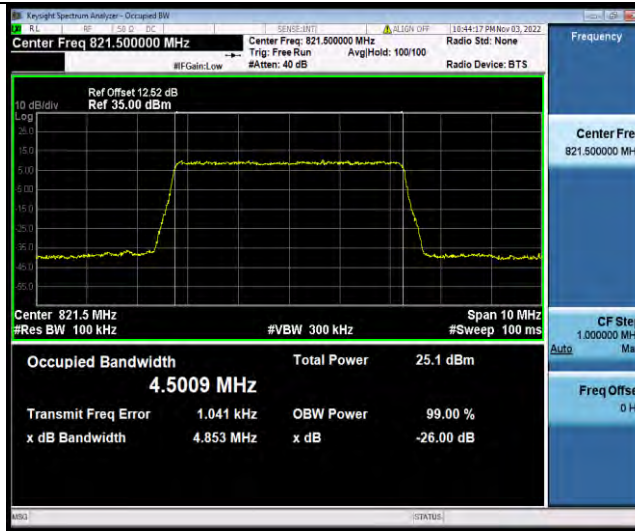


Band26-5MHz-QPSK-26765-25RB#0

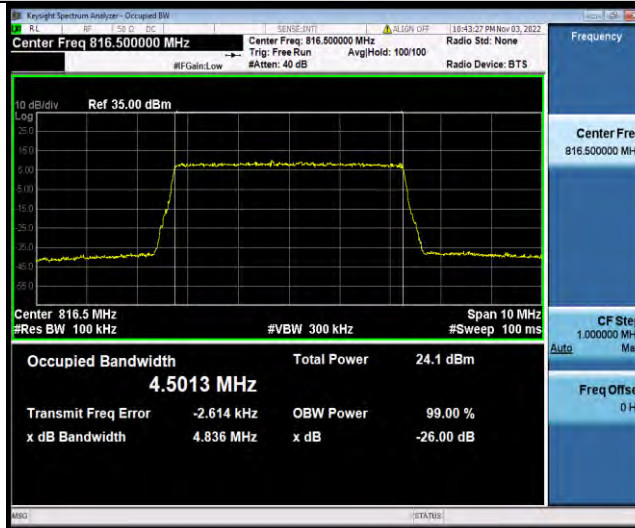


BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-16QAM-26715-25RB#0



Band26-5MHz-16QAM-26740-25RB#0



Band26-5MHz-16QAM-26765-25RB#0



BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-50RB#0





BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF04

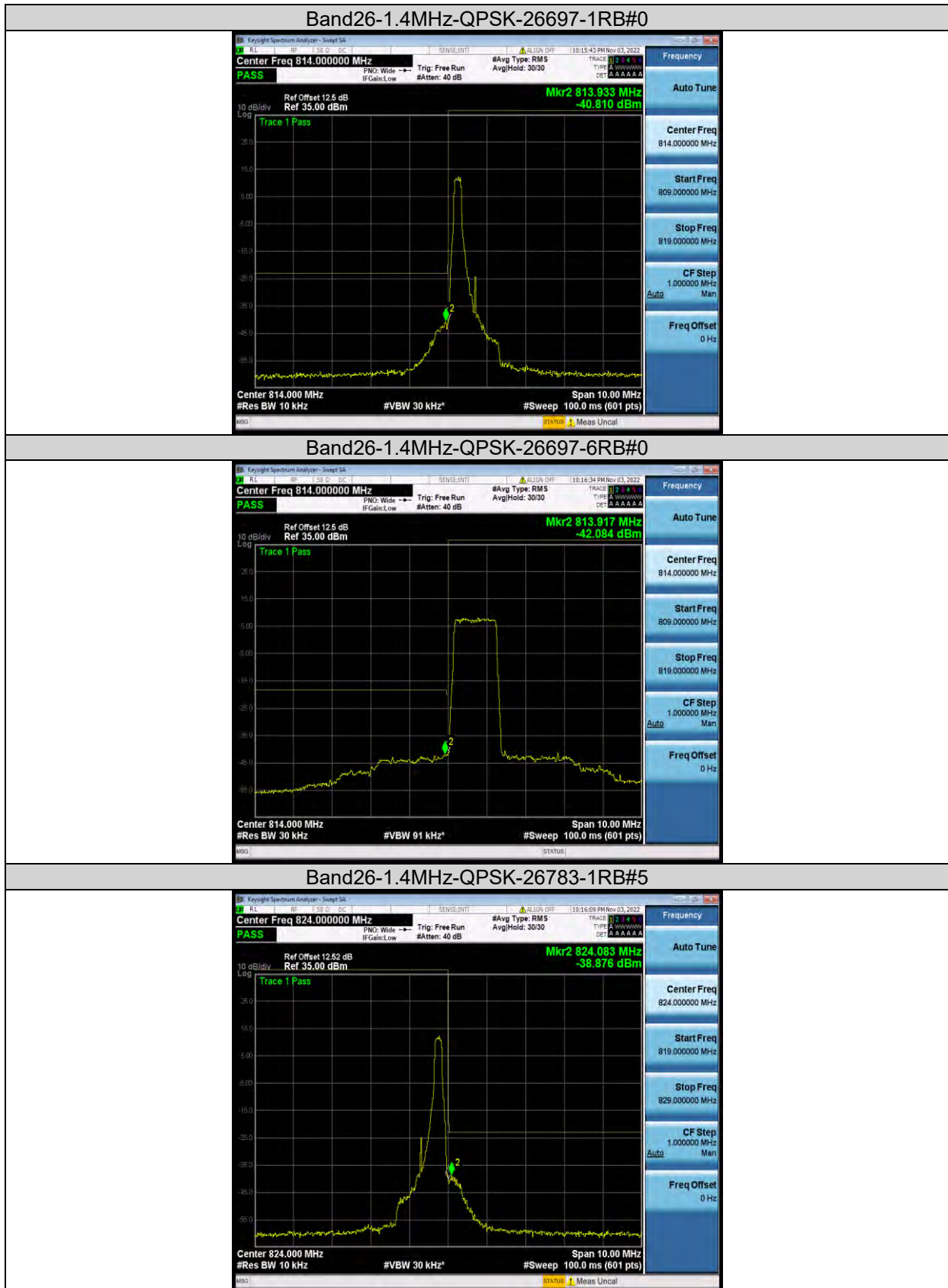
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	-40.22,-40.81	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	-41.04,-42.08	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	-40.49,-38.88	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	-40.15,-39.69	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	-38.55,-40.46	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	-39.88,-40.92	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	-37.95,-38.40	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	-38.76,-38.53	PASS
Band26	3MHz	QPSK	26705	1RB#0	-24.29,-30.03	PASS
Band26	3MHz	QPSK	26705	15RB#0	-24.29,-29.44	PASS
Band26	3MHz	QPSK	26775	1RB#14	-25.32,-31.52	PASS
Band26	3MHz	QPSK	26775	15RB#0	-25.46,-29.65	PASS
Band26	3MHz	16QAM	26705	1RB#0	-25.71,-33.33	PASS
Band26	3MHz	16QAM	26705	15RB#0	-26.91,-31.44	PASS
Band26	3MHz	16QAM	26775	1RB#14	-26.71,-33.28	PASS
Band26	3MHz	16QAM	26775	15RB#0	-25.84,-31.69	PASS
Band26	5MHz	QPSK	26715	1RB#0	-30.68,-37.44	PASS
Band26	5MHz	QPSK	26715	25RB#0	-27.64,-31.48	PASS
Band26	5MHz	QPSK	26765	1RB#24	-31.86,-37.64	PASS
Band26	5MHz	QPSK	26765	25RB#0	-26.81,-31.92	PASS
Band26	5MHz	16QAM	26715	1RB#0	-32.18,-38.85	PASS
Band26	5MHz	16QAM	26715	25RB#0	-28.87,-32.96	PASS
Band26	5MHz	16QAM	26765	1RB#24	-32.60,-39.06	PASS
Band26	5MHz	16QAM	26765	25RB#0	-28.49,-32.04	PASS
Band26	10MHz	QPSK	26740	1RB#0	-30.79,-26.58,-46.56,-46.80	PASS
Band26	10MHz	QPSK	26740	1RB#49	-46.34,-45.07,-27.77,-30.14	PASS
Band26	10MHz	QPSK	26740	50RB#0	-33.54,-30.53,-32.77,-33.61	PASS
Band26	10MHz	16QAM	26740	1RB#0	-31.52,-27.08,-47.41,-47.26	PASS
Band26	10MHz	16QAM	26740	1RB#49	-46.66,-46.61,-28.11,-30.44	PASS
Band26	10MHz	16QAM	26740	50RB#0	-34.68,-32.90,-33.80,-34.72	PASS



Test Graphs





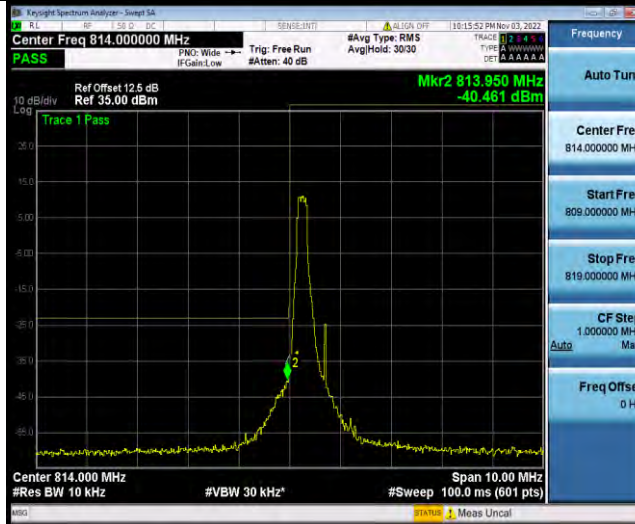
BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04

Band26-1.4MHz-QPSK-26783-6RB#0



Band26-1.4MHz-16QAM-26697-1RB#0



Band26-1.4MHz-16QAM-26697-6RB#0

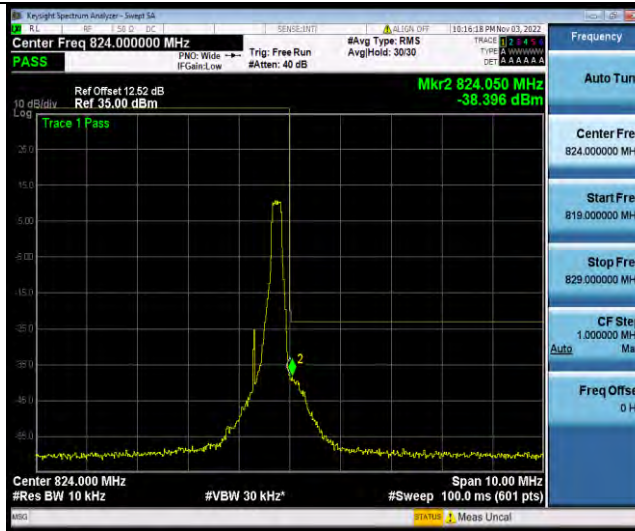


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BUREAU VERITAS

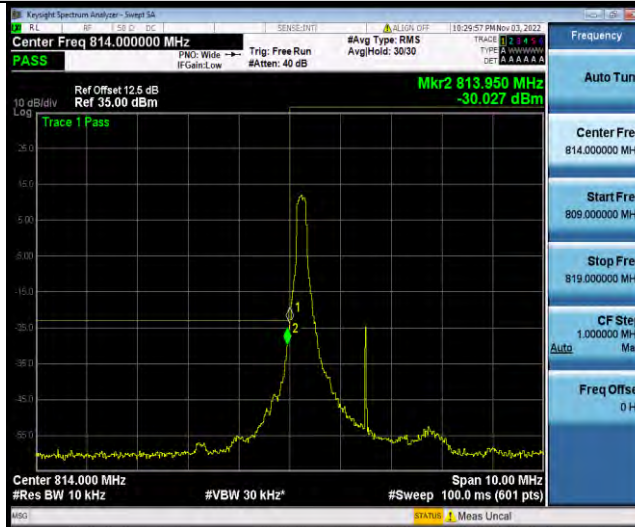
Test Report No.: W7L-P20210616-3RF04



Band26-1.4MHz-16QAM-26783-6RB#0



Band26-3MHz-QPSK-26705-1RB#0

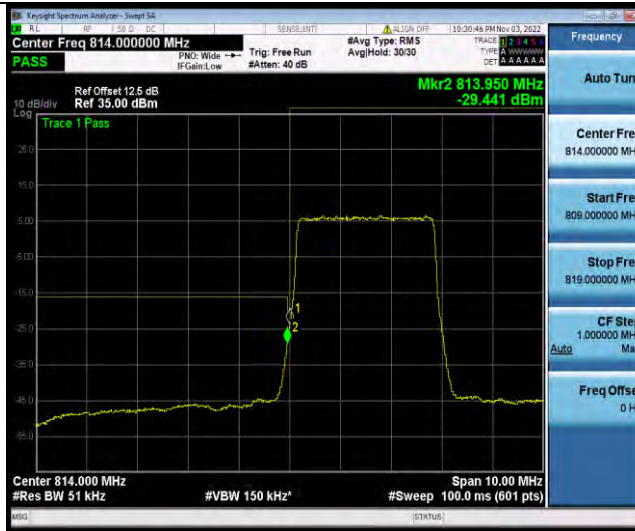


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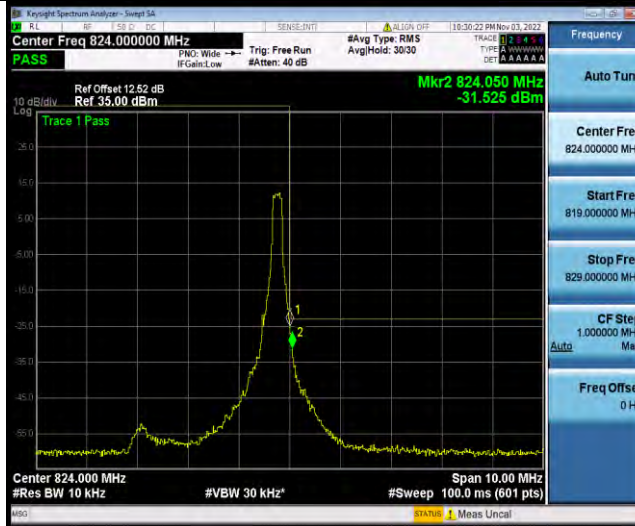


BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-QPSK-26775-1RB#14



Band26-3MHz-QPSK-26775-15RB#0

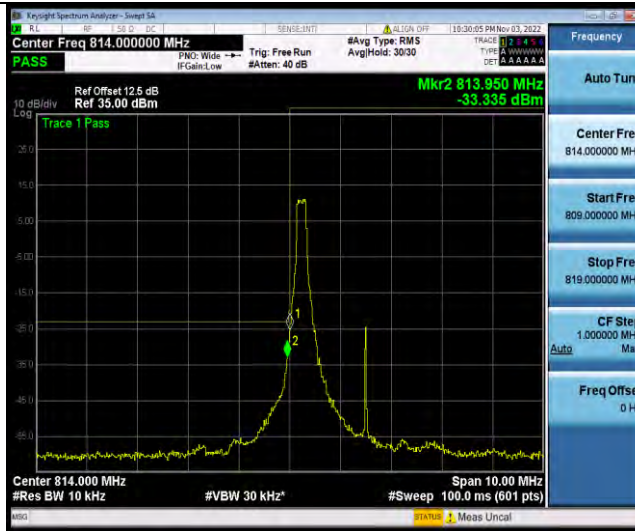


Band26-3MHz-16QAM-26705-1RB#0



BUREAU VERITAS

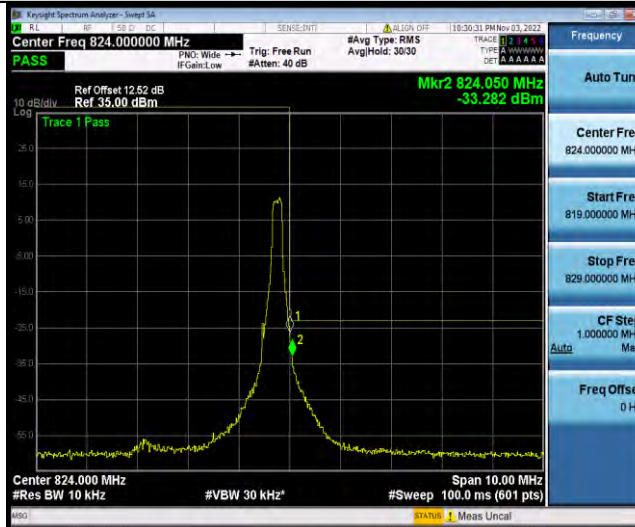
Test Report No.: W7L-P20210616-3RF04



Band26-3MHz-16QAM-26705-15RB#0



Band26-3MHz-16QAM-26775-1RB#14



Band26-3MHz-16QAM-26775-15RB#0

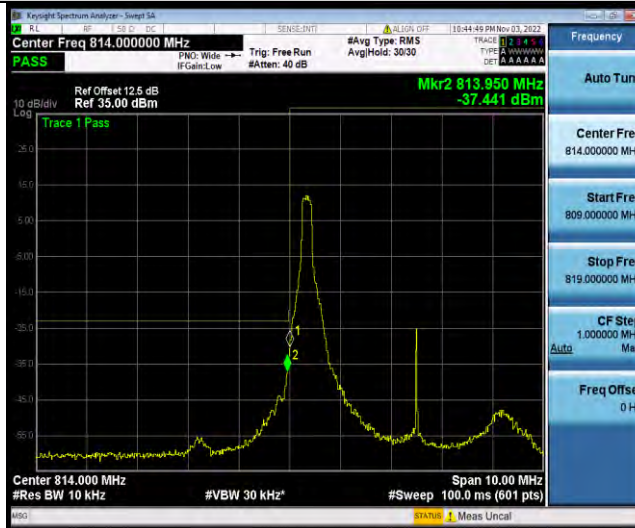


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Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-QPSK-26715-1RB#0



Band26-5MHz-QPSK-26715-25RB#0

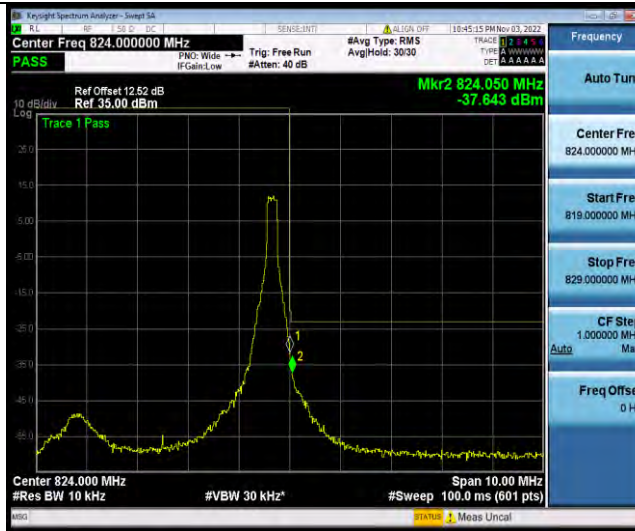


Band26-5MHz-QPSK-26765-1RB#24



BUREAU VERITAS

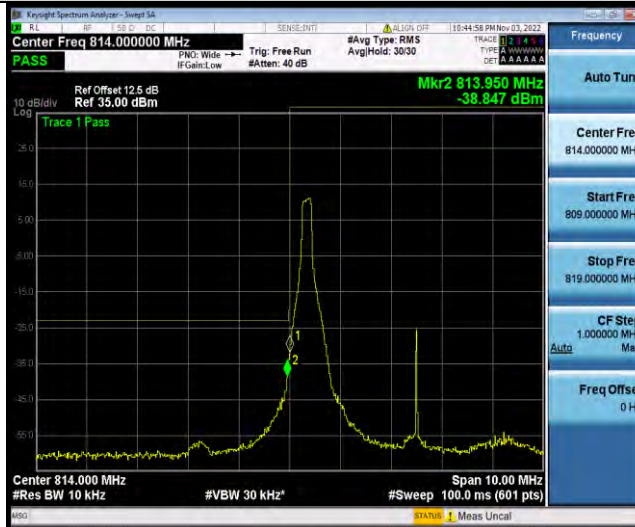
Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-QPSK-26765-25RB#0



Band26-5MHz-16QAM-26715-1RB#0



Band26-5MHz-16QAM-26715-25RB#0

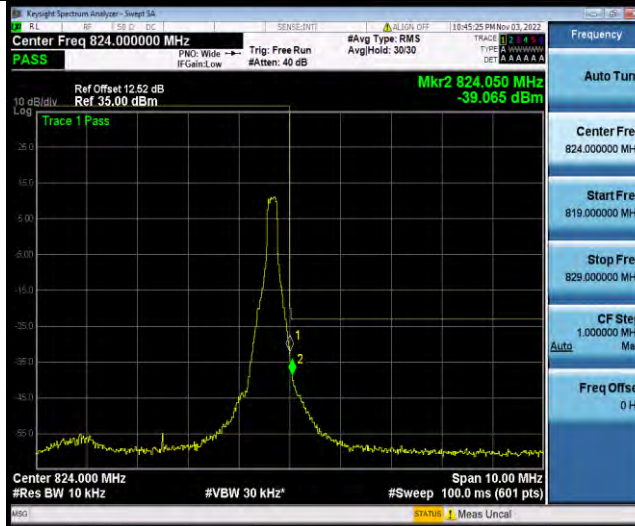


BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-5MHz-16QAM-26765-1RB#24



Band26-5MHz-16QAM-26765-25RB#0

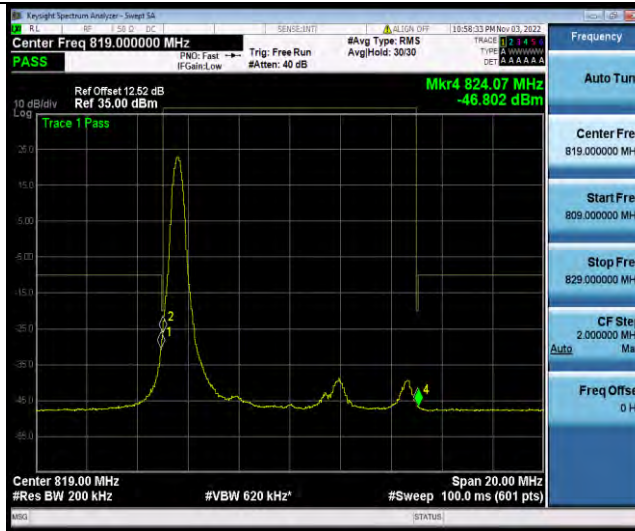


Band26-10MHz-QPSK-26740-1RB#0

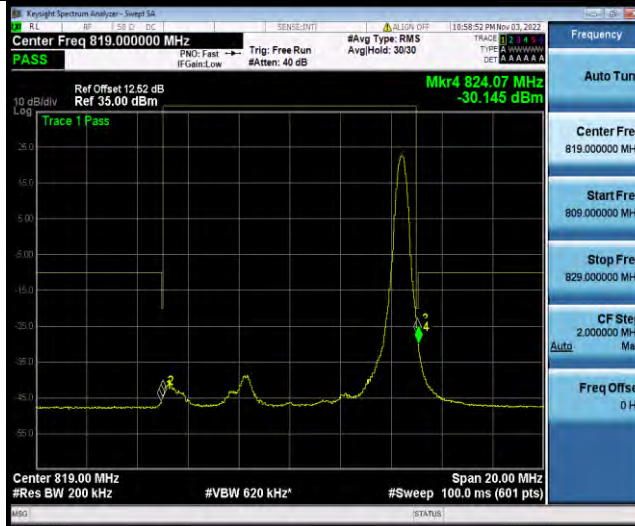


BUREAU VERITAS

Test Report No.: W7L-P20210616-3RF04



Band26-10MHz-QPSK-26740-1RB#49



Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-1RB#0