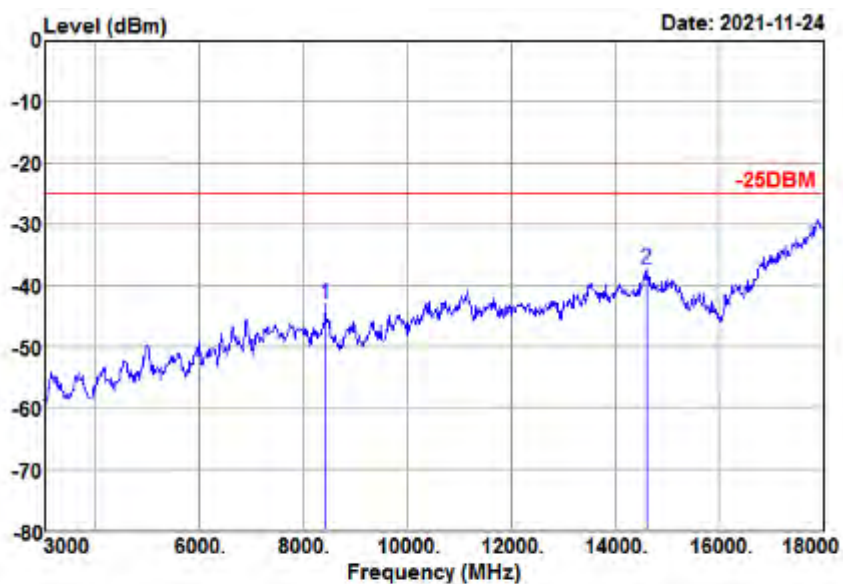




Test Report No.: W7L-P21100026RF15

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



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
8430.000	-62.35	19.33	-43.02	-25.00	-18.02	Peak
14610.000	-65.53	28.30	-37.23	-25.00	-12.23	Peak
18000.000	-68.93	40.40	-28.53	-25.00	-3.53	Peak



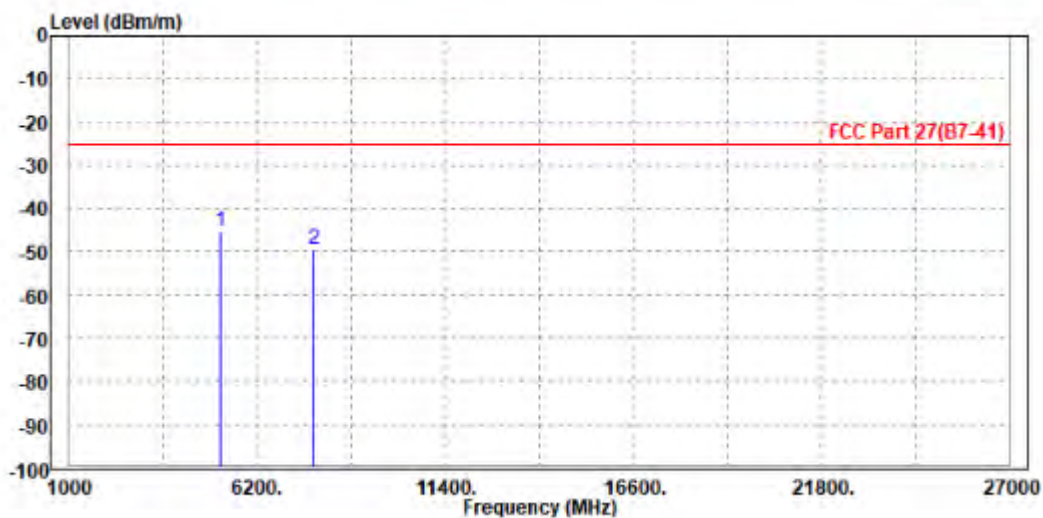
Test Report No.: W7L-P21100026RF15

LTE B38C(Ant0)

CHANNEL BANDWIDTH: (15+15) MHz / QPSK

MODE	TX channel PCC 37925	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38075		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-45.19	-54.27	-25.00	-20.19	9.08	Peak	Horizontal
2	7762.500	-49.32	-60.79	-25.00	-24.32	11.47	Peak	Horizontal

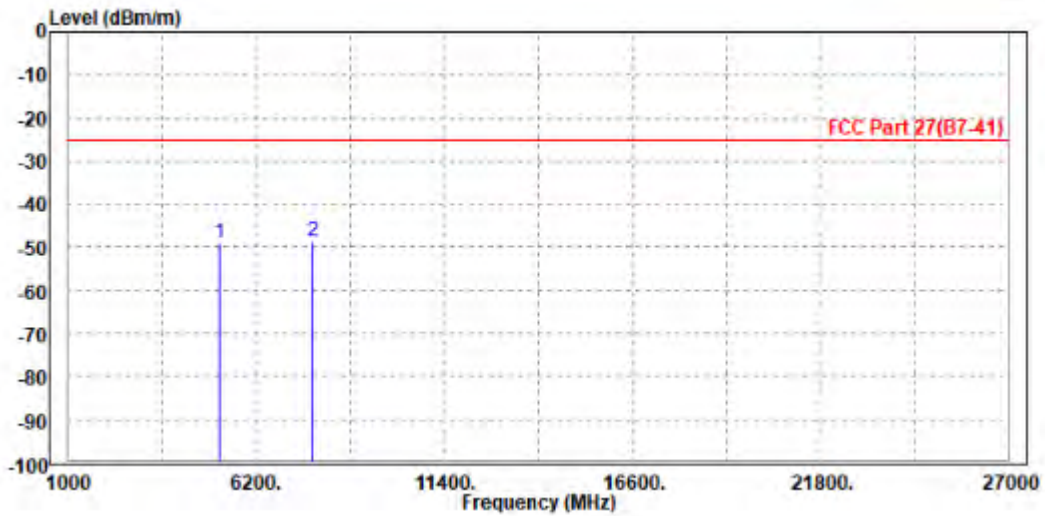




Test Report No.: W7L-P21100026RF15

MODE	TX channel PCC 37925	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38075		
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	5186.000	-49.05	-58.88	-25.00	-24.05	9.83	Peak	Vertical
2 PP	7762.500	-48.55	-61.39	-25.00	-23.55	12.84	Peak	Vertical





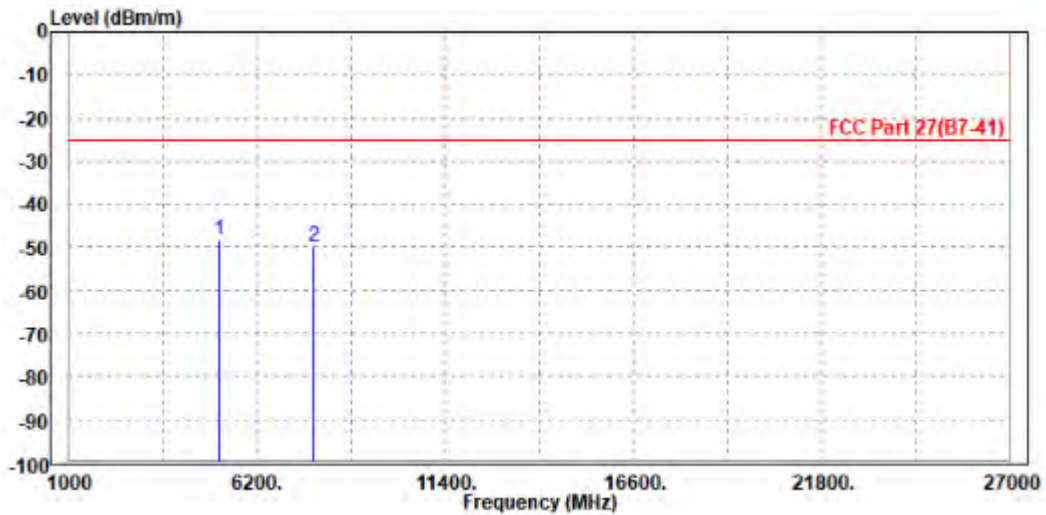
**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

CHANNEL BANDWIDTH: 20MHz + 20MHz

MODE	TX channel PCC 37901	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38099		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-48.39	-57.39	-25.00	-23.39	9.00	Peak	Horizontal
2	7755.300	-49.74	-61.20	-25.00	-24.74	11.46	Peak	Horizontal

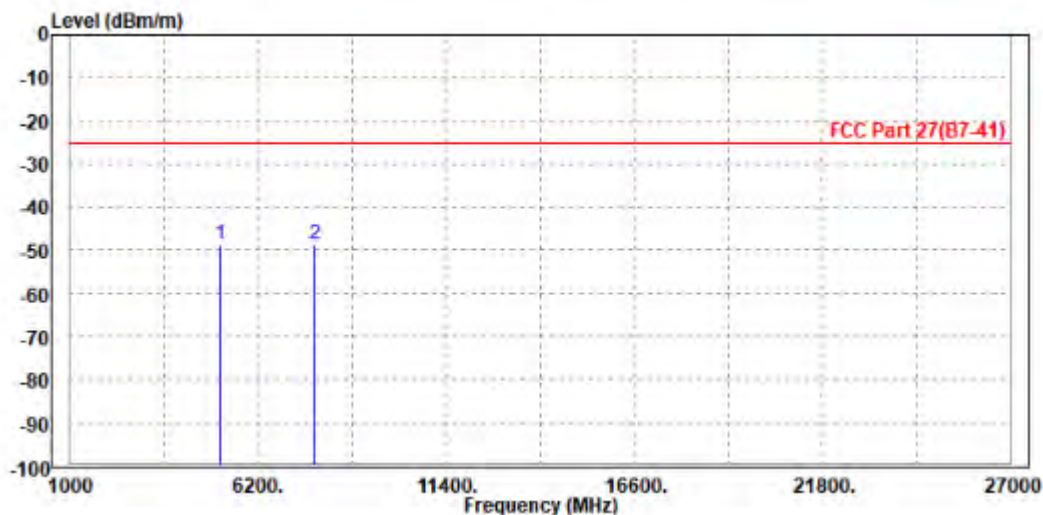




Test Report No.: W7L-P21100026RF15

MODE	TX channel PCC 37901	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38099		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-48.55	-58.39	-25.00	-23.55	9.84	Peak	Vertical
2	7755.300	-48.78	-61.62	-25.00	-23.78	12.84	Peak	Vertical



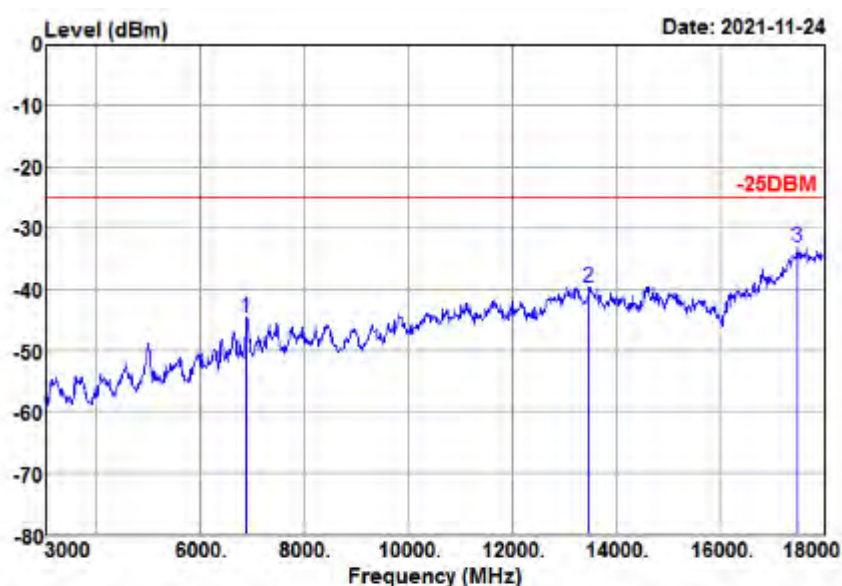


Test Report No.: W7L-P21100026RF15

LTE BAND 41(Ant0)

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 40340	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			

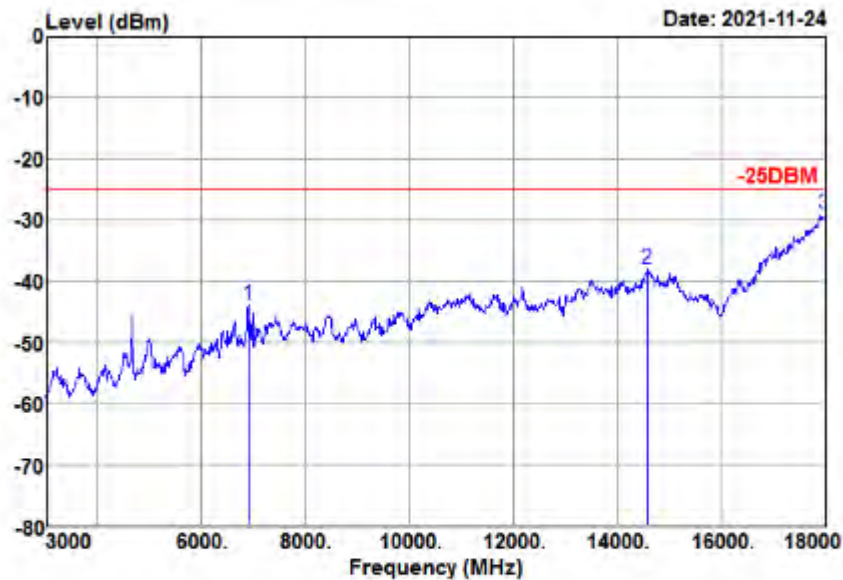


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6885.000	-62.68	18.03	-44.65	-25.00	-19.65	Peak
13485.000	-68.04	28.47	-39.57	-25.00	-14.57	Peak
17490.000	-68.77	35.73	-33.04	-25.00	-8.04	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 40340	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 MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.40	18.41	-43.99	-25.00	-18.99	Peak
14595.000	-66.19	28.28	-37.91	-25.00	-12.91	Peak
17985.000	-69.32	40.28	-29.04	-25.00	-4.04	Peak

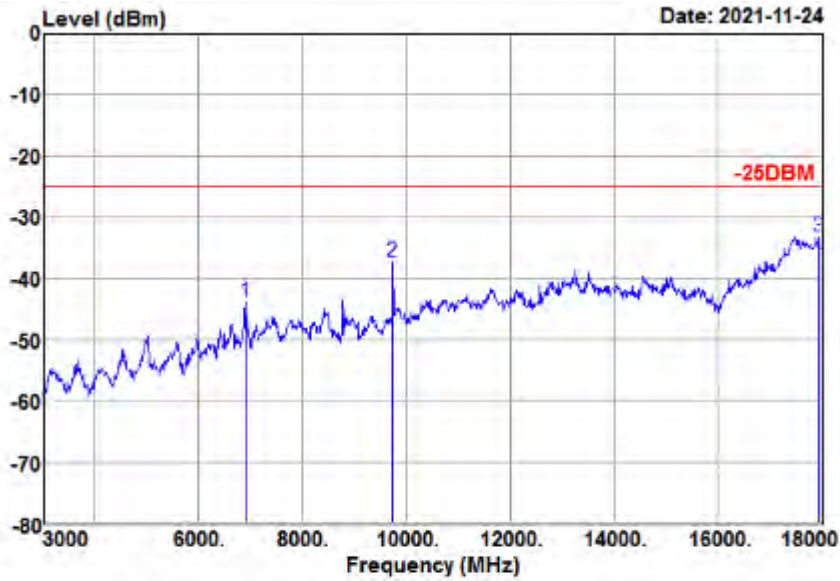


**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 40340	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			

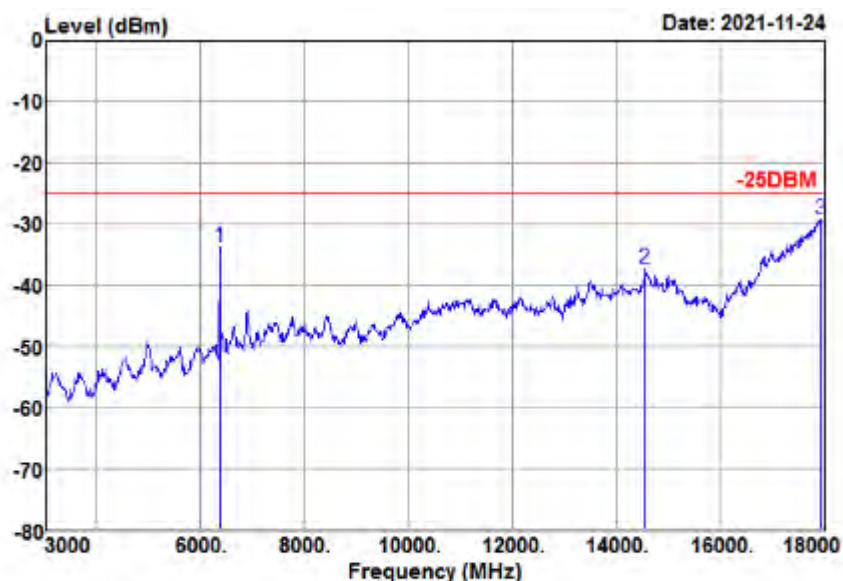


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-61.94	18.08	-43.86	-25.00	-18.86	Peak
9750.000	-58.17	20.86	-37.31	-25.00	-12.31	Peak
17940.000	-68.41	35.19	-33.22	-25.00	-8.22	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 40340	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			



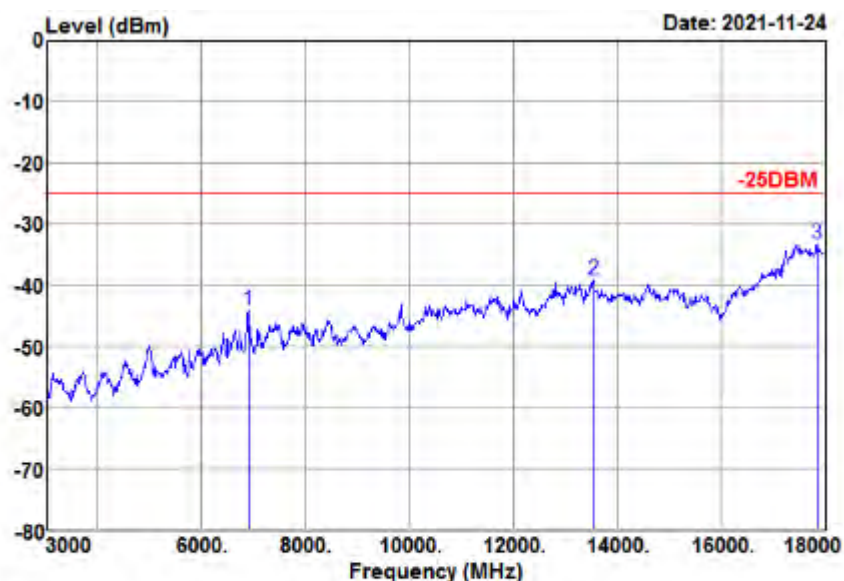
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6375.000	-50.07	16.42	-33.65	-25.00	-8.65	Peak
14565.000	-65.62	28.24	-37.38	-25.00	-12.38	Peak
17940.000	-69.27	39.91	-29.36	-25.00	-4.36	Peak



Test Report No.: W7L-P21100026RF15

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 40340	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			

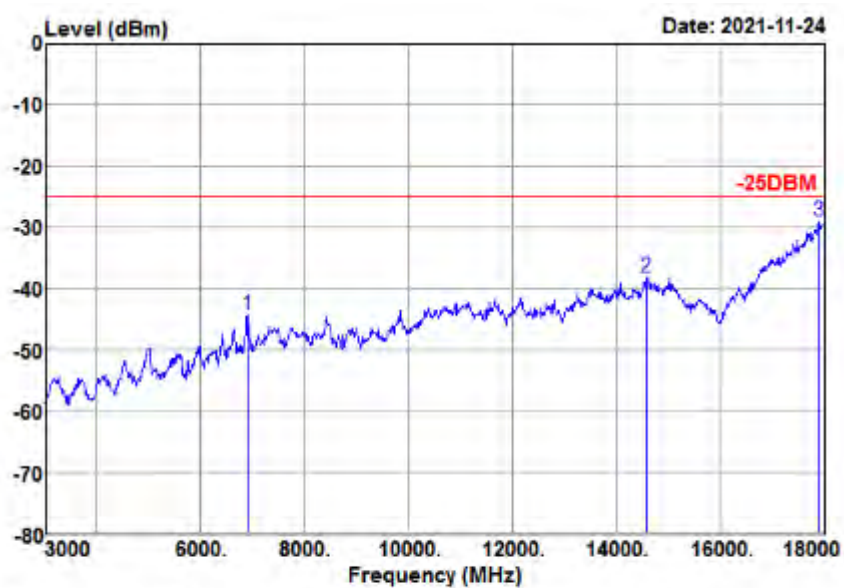


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.16	18.08	-44.08	-25.00	-19.08	Peak
13560.000	-67.53	28.26	-39.27	-25.00	-14.27	Peak
17850.000	-68.64	35.32	-33.32	-25.00	-8.32	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 40340	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 MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.81	18.41	-44.40	-25.00	-19.40	Peak
14595.000	-66.39	28.28	-38.11	-25.00	-13.11	Peak
17910.000	-68.62	39.67	-28.95	-25.00	-3.95	Peak

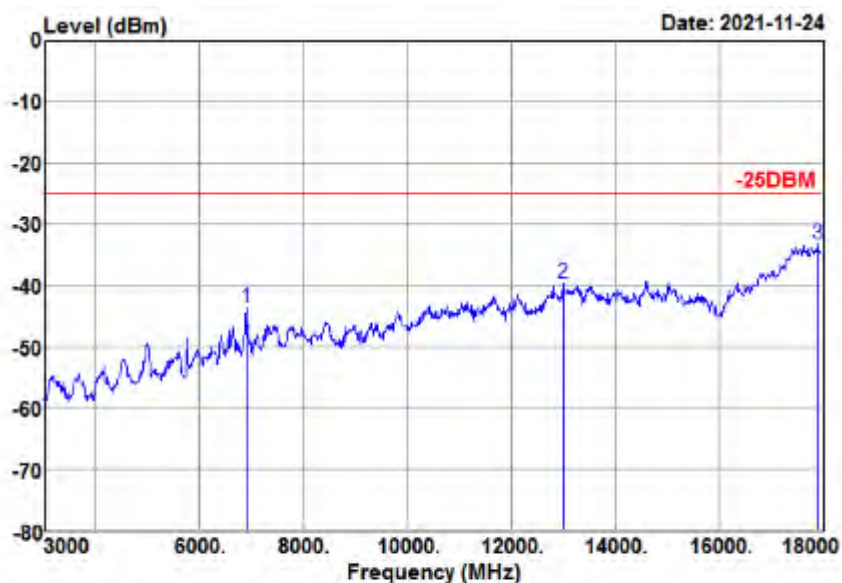


Test Report No.: W7L-P21100026RF15

CHANNEL BANDWIDTH: 20MHz / QPSK

CH 40140

MODE	TX channel 40140	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			

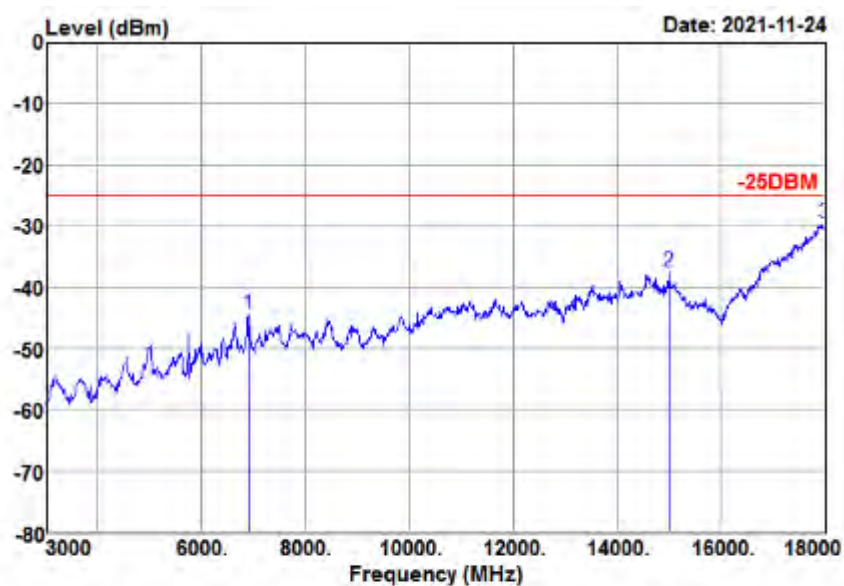


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-61.84	18.08	-43.76	-25.00	-18.76	Peak
13005.000	-68.33	28.68	-39.65	-25.00	-14.65	Peak
17910.000	-68.56	35.23	-33.33	-25.00	-8.33	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 40140	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			



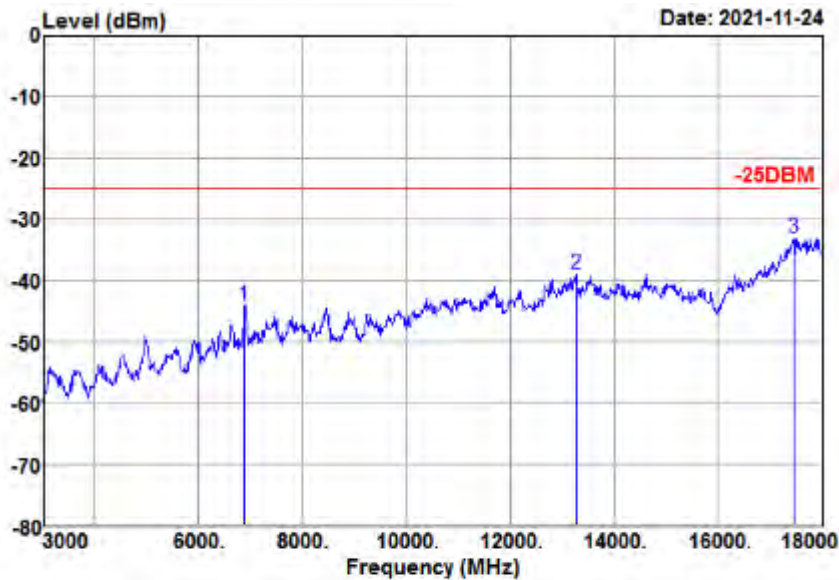
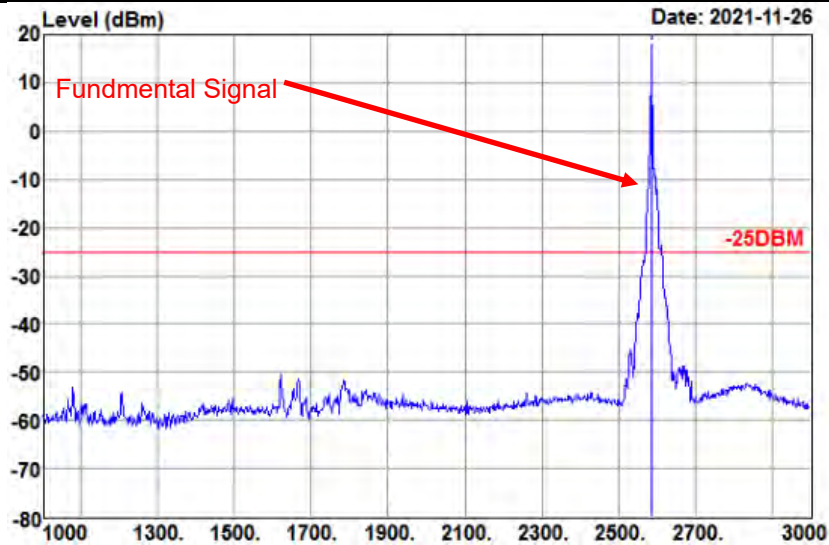
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.82	18.41	-44.41	-25.00	-19.41	Peak
15000.000	-66.36	28.81	-37.55	-25.00	-12.55	Peak
17985.000	-69.68	40.28	-29.40	-25.00	-4.40	Peak



Test Report No.: W7L-P21100026RF15

CH40340

MODE	TX channel 40340	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			

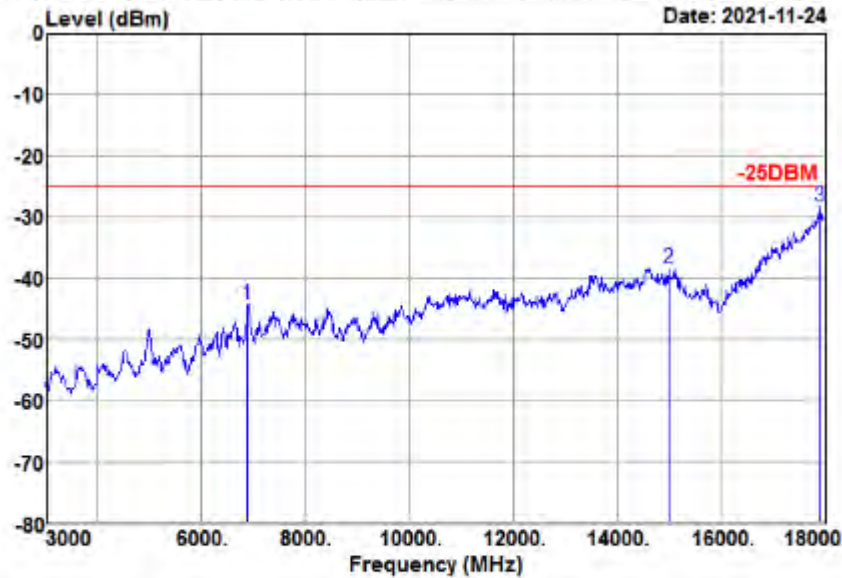
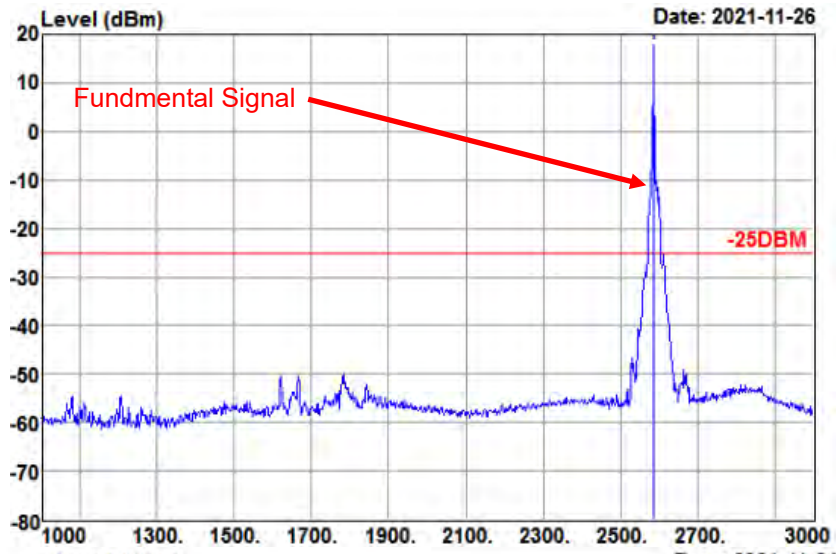


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6885.000	-62.22	18.03	-44.19	-25.00	-19.19	Peak
13275.000	-67.42	28.56	-38.86	-25.00	-13.86	Peak
17460.000	-68.48	35.48	-33.00	-25.00	-8.00	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 40340	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			



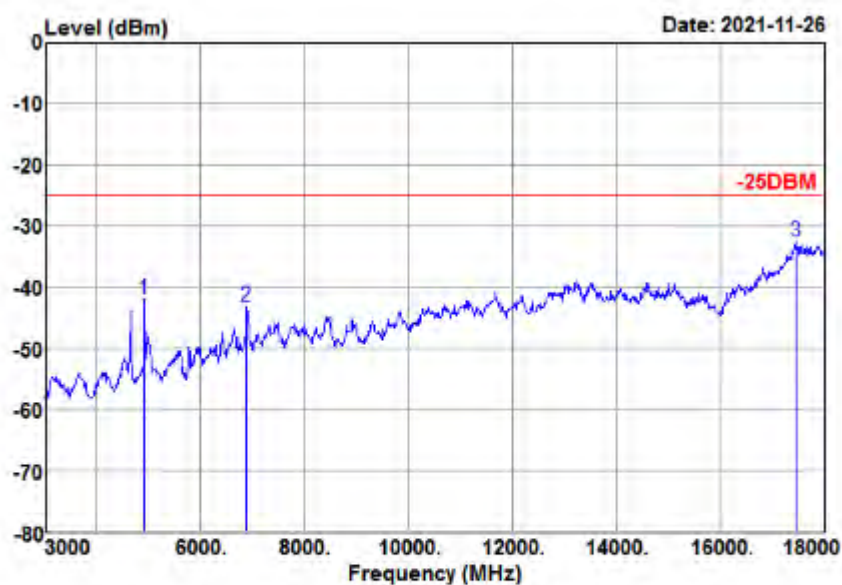
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6885.000	-62.69	18.36	-44.33	-25.00	-19.33	Peak
15000.000	-67.17	28.81	-38.36	-25.00	-13.36	Peak
17910.000	-67.91	39.67	-28.24	-25.00	-3.24	Peak



Test Report No.: W7L-P21100026RF15

CH41140

MODE	TX channel 41140	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			

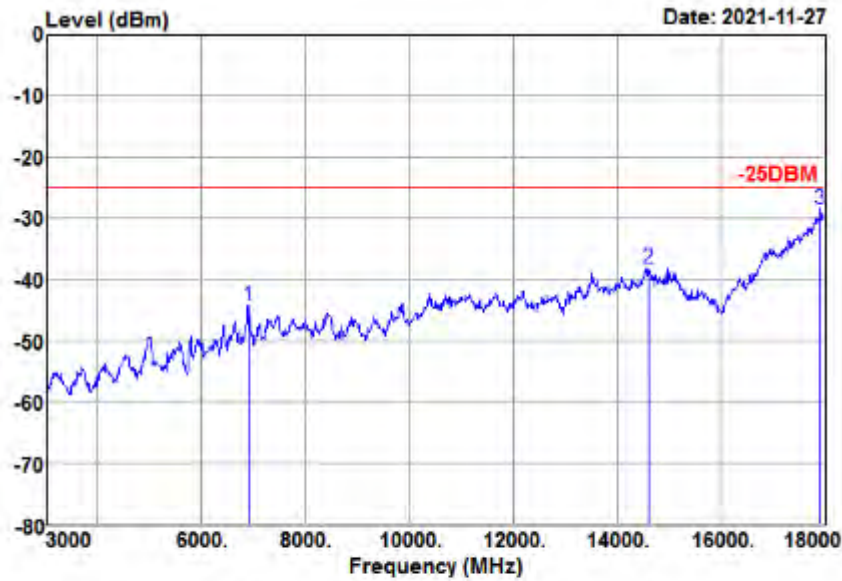


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
4920.000	-53.98	12.01	-41.97	-25.00	-16.97	Peak
6885.000	-61.29	18.03	-43.26	-25.00	-18.26	Peak
17460.000	-68.14	35.48	-32.66	-25.00	-7.66	Peak



Test Report No.: W7L-P21100026RF15

MODE	TX channel 41140	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			



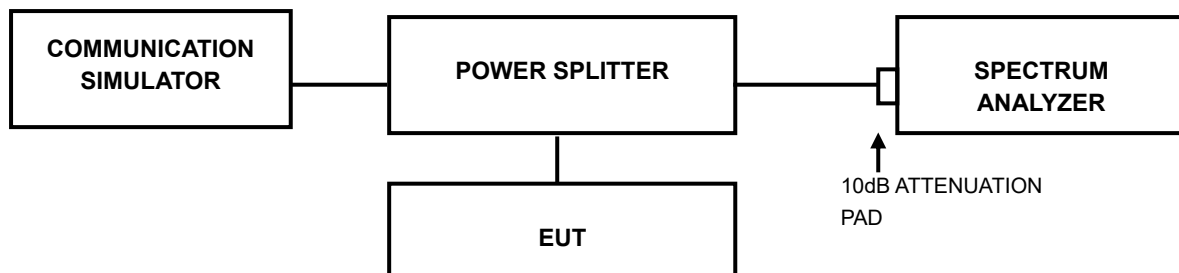
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.71	18.41	-44.30	-25.00	-19.30	Peak
14610.000	-66.44	28.30	-38.14	-25.00	-13.14	Peak
17925.000	-68.25	39.79	-28.46	-25.00	-3.46	Peak

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-P21100026RF15

3.7.4 TEST RESULTS

Please Refer to Appendix D Of this test report.



Test Report No.: W7L-P21100026RF15

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

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-P21100026RF15

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.

NOTE: APPENDIX C is another word.

APPENDIX D

WCDMA BAND4

FREQUENCY STABILITY

BAND4

TEST RESULT

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.27	-1.80	-0.00	-2.5 to 2.5	Pass
			3.85	-5.74	-0.00	-2.5 to 2.5	Pass
			4.43	-3.23	-0.00	-2.5 to 2.5	Pass
		-30	3.85	-4.71	-0.00	-2.5 to 2.5	Pass
		-20	3.85	-4.01	-0.00	-2.5 to 2.5	Pass
		-10	3.85	-3.72	-0.00	-2.5 to 2.5	Pass
		0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
		10	3.85	-2.97	-0.00	-2.5 to 2.5	Pass
		30	3.85	-1.14	-0.00	-2.5 to 2.5	Pass
		40	3.85	-2.45	-0.00	-2.5 to 2.5	Pass
	50	3.85	-0.56	-0.00	-2.5 to 2.5	Pass	
	1732.6	20	3.27	-3.20	-0.00	-2.5 to 2.5	Pass
			3.85	-1.74	-0.00	-2.5 to 2.5	Pass
			4.43	-3.50	-0.00	-2.5 to 2.5	Pass
		-30	3.85	-5.22	-0.00	-2.5 to 2.5	Pass
		-20	3.85	-6.62	-0.00	-2.5 to 2.5	Pass
		-10	3.85	-5.03	-0.00	-2.5 to 2.5	Pass
		0	3.85	-7.09	-0.00	-2.5 to 2.5	Pass
		10	3.85	-5.25	-0.00	-2.5 to 2.5	Pass
		30	3.85	-6.89	-0.00	-2.5 to 2.5	Pass
		40	3.85	-4.18	-0.00	-2.5 to 2.5	Pass
	50	3.85	-5.67	-0.00	-2.5 to 2.5	Pass	
	1752.6	20	3.27	-5.64	-0.00	-2.5 to 2.5	Pass
			3.85	-4.19	-0.00	-2.5 to 2.5	Pass
			4.43	-4.17	-0.00	-2.5 to 2.5	Pass
		-30	3.85	-0.67	-0.00	-2.5 to 2.5	Pass
		-20	3.85	-5.57	-0.00	-2.5 to 2.5	Pass
		-10	3.85	-3.62	-0.00	-2.5 to 2.5	Pass
		0	3.85	-4.04	-0.00	-2.5 to 2.5	Pass
		10	3.85	-3.67	-0.00	-2.5 to 2.5	Pass



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Test Report No.: W7L-P21100026RF15

		30	3.85	0.14	0.00	-2.5 to 2.5	Pass
		40	3.85	-5.75	-0.00	-2.5 to 2.5	Pass
		50	3.85	-1.17	-0.00	-2.5 to 2.5	Pass

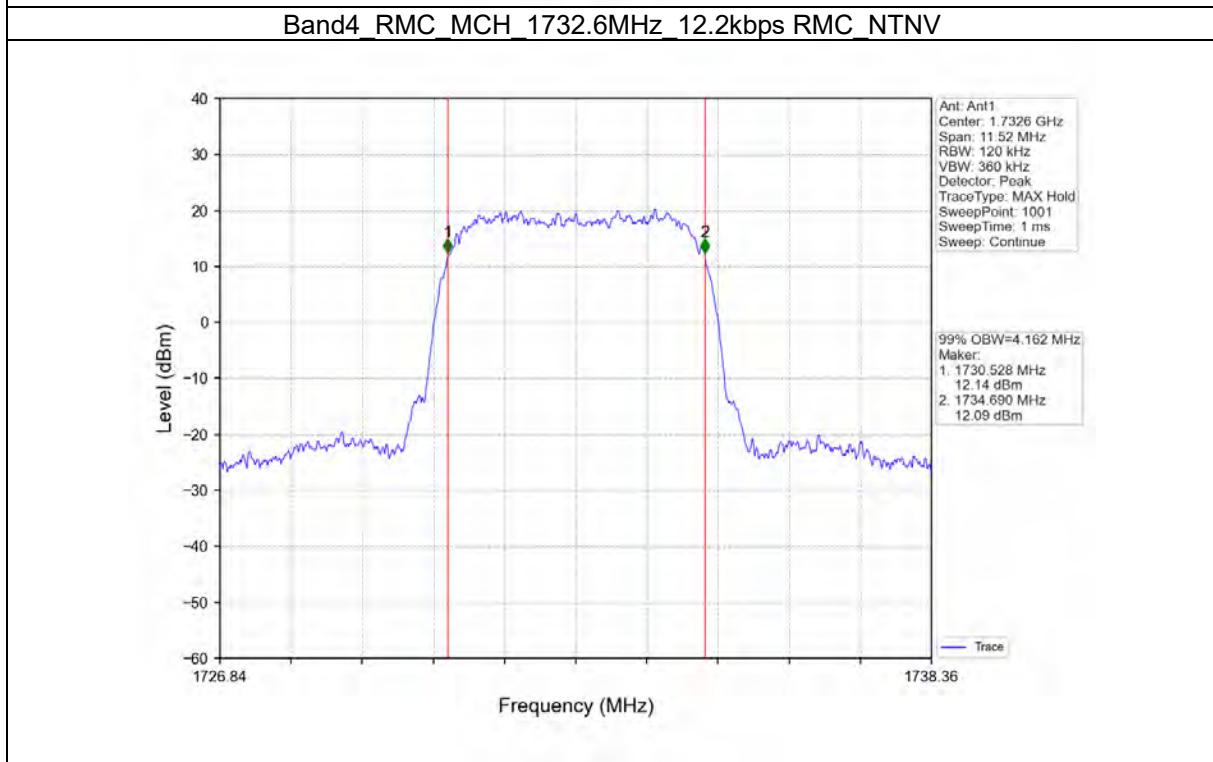
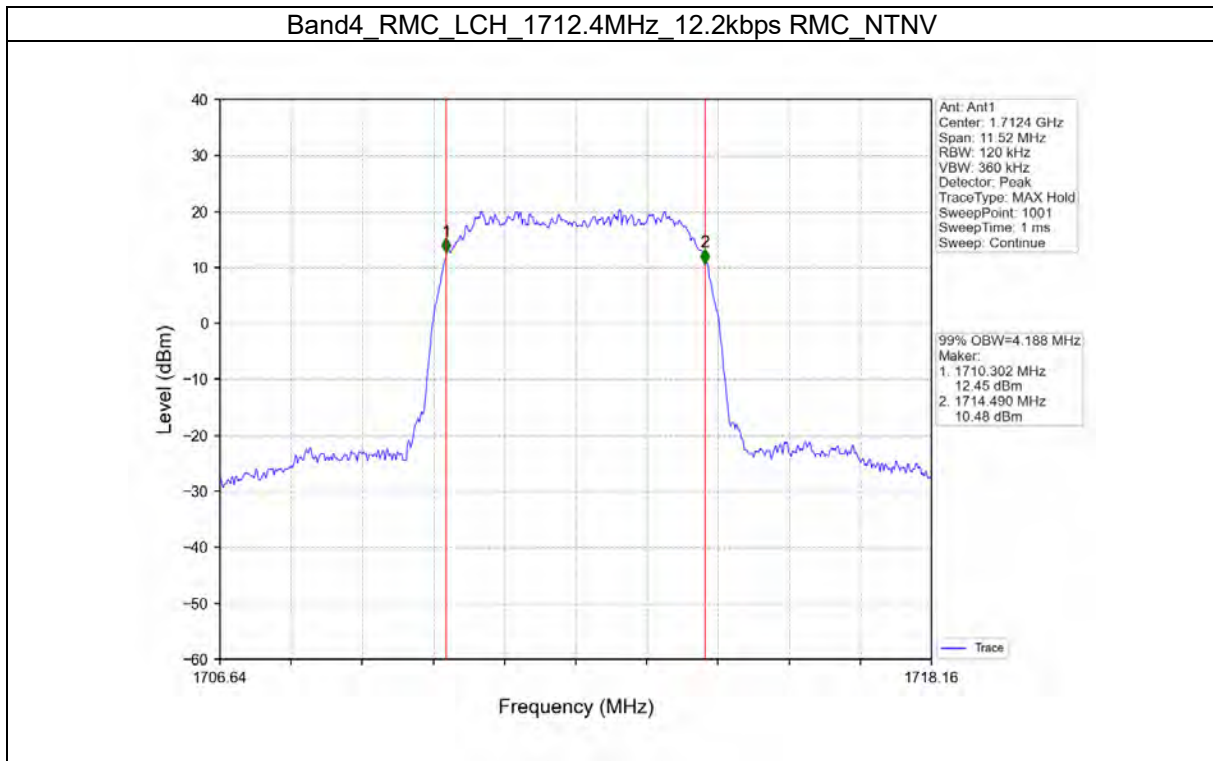
99% & 26DB BANDWIDTH

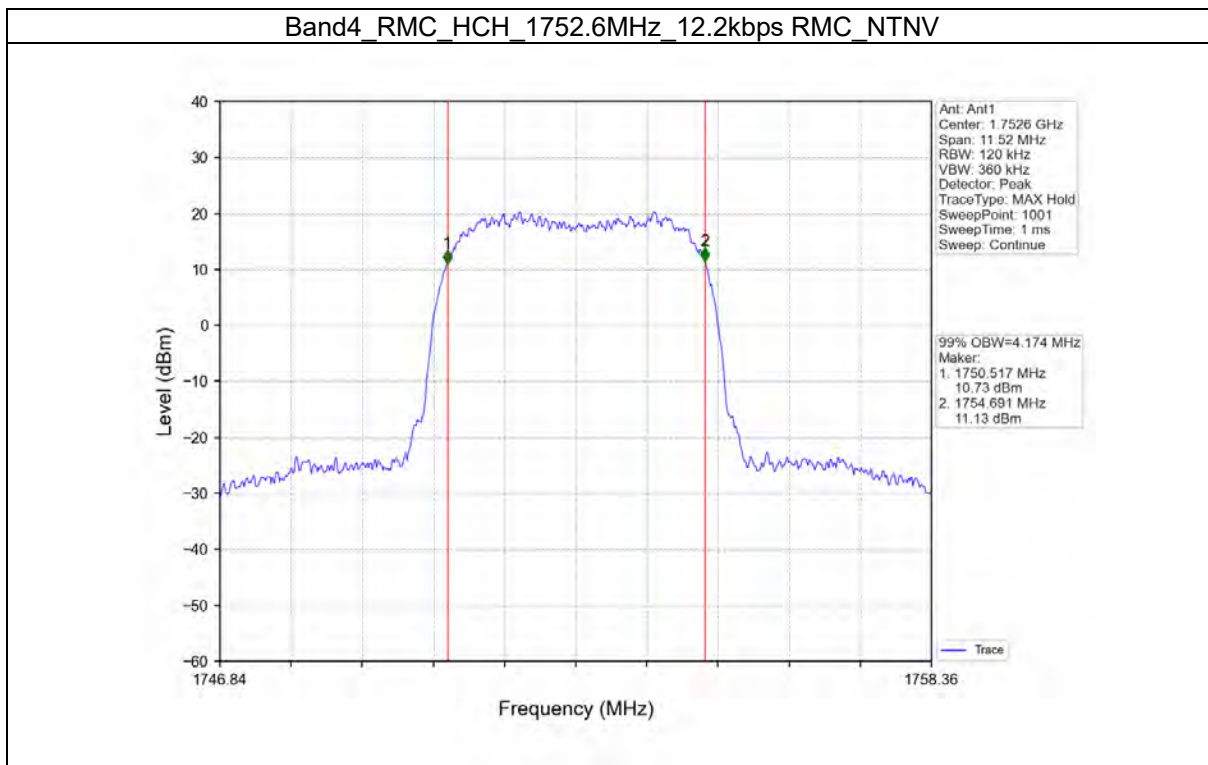
BAND4_OBW

TEST RESULT

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.188	Pass
			1732.6	4.162	Pass
			1752.6	4.174	Pass

TEST GRAPH







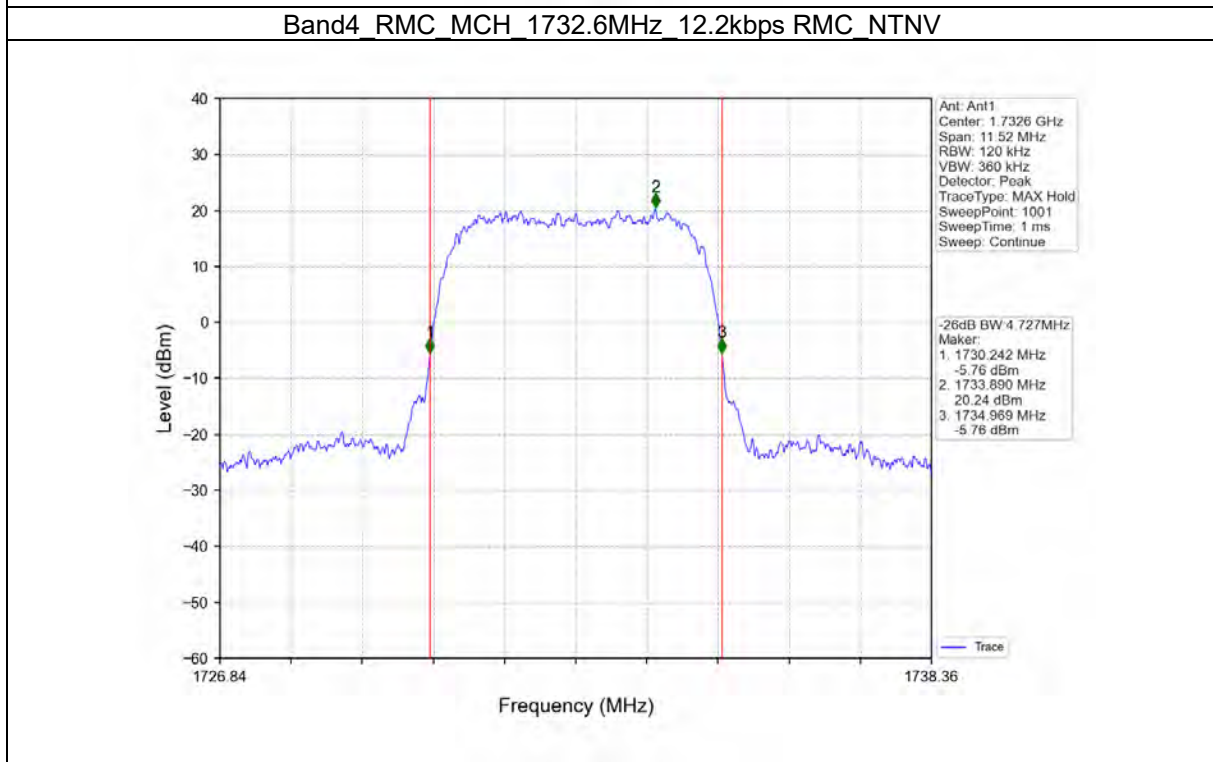
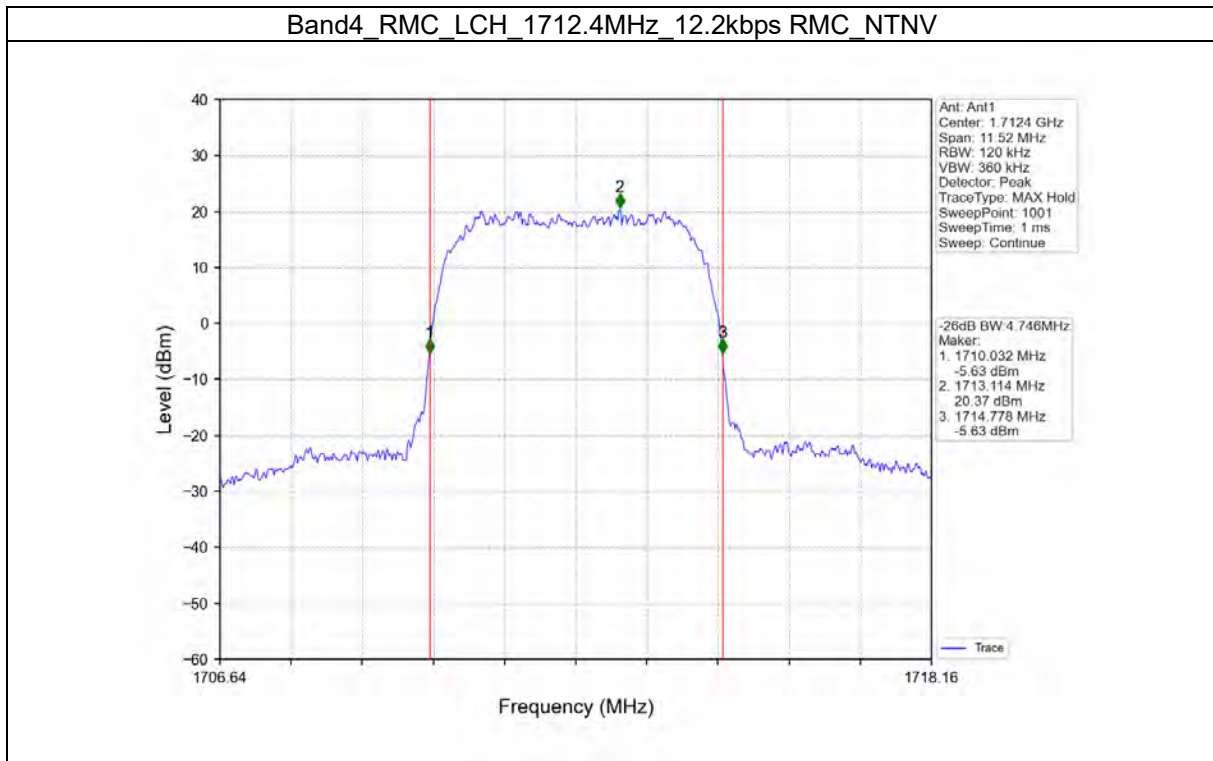
Test Report No.: W7L-P21100026RF15

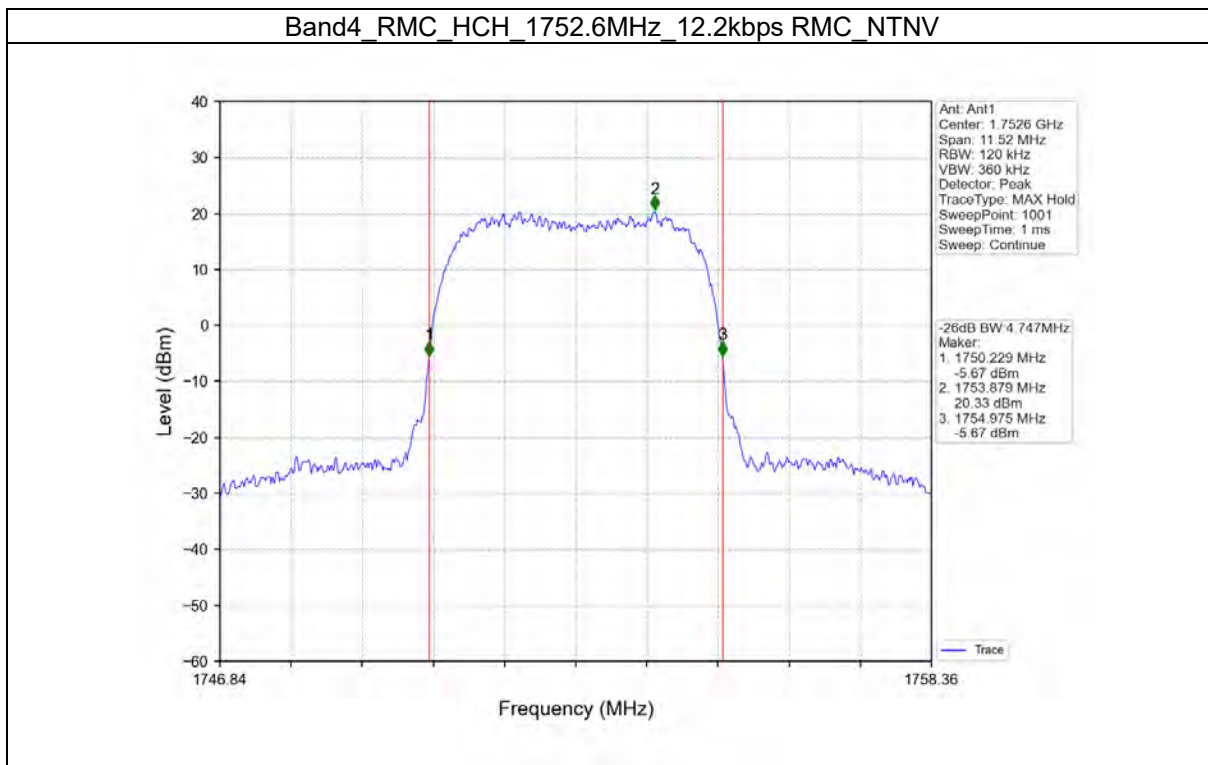
BAND4_XDB

TEST RESULT

Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.746	Pass
			1732.6	4.727	Pass
			1752.6	4.747	Pass

TEST GRAPH







Test Report No.: W7L-P21100026RF15

PEAK-AVERAGE RATIO

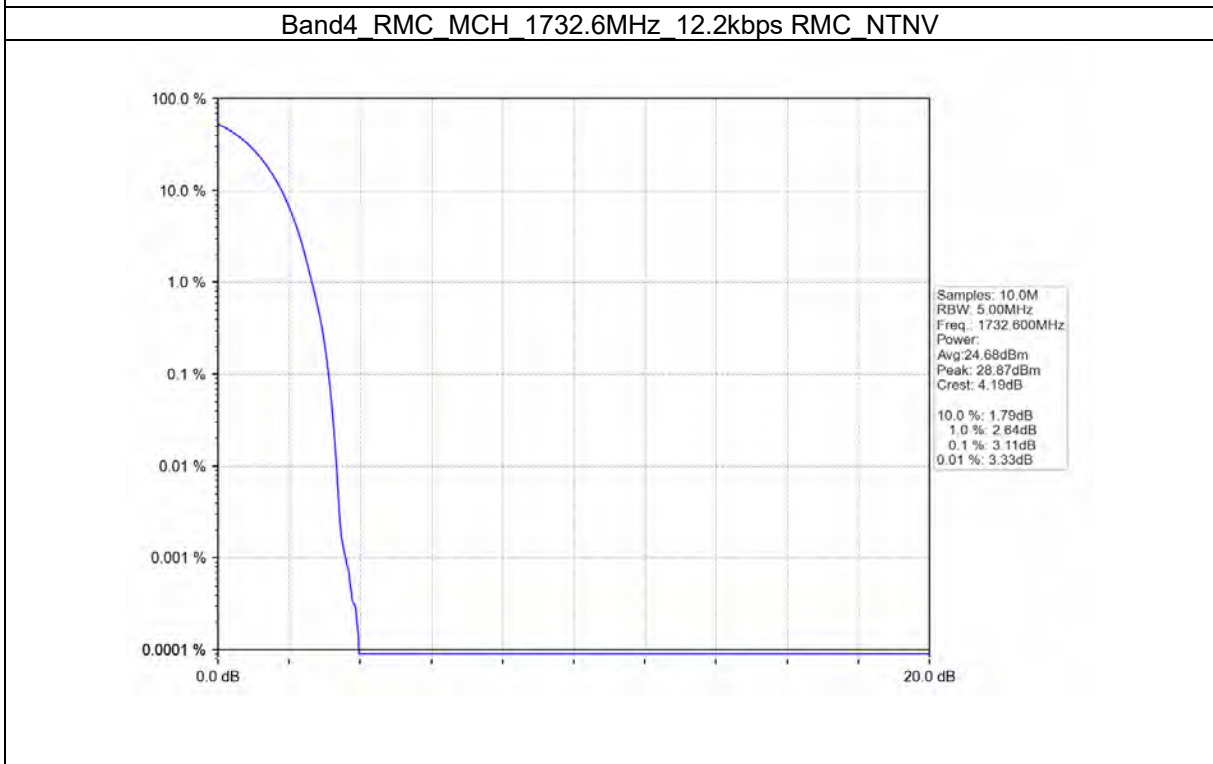
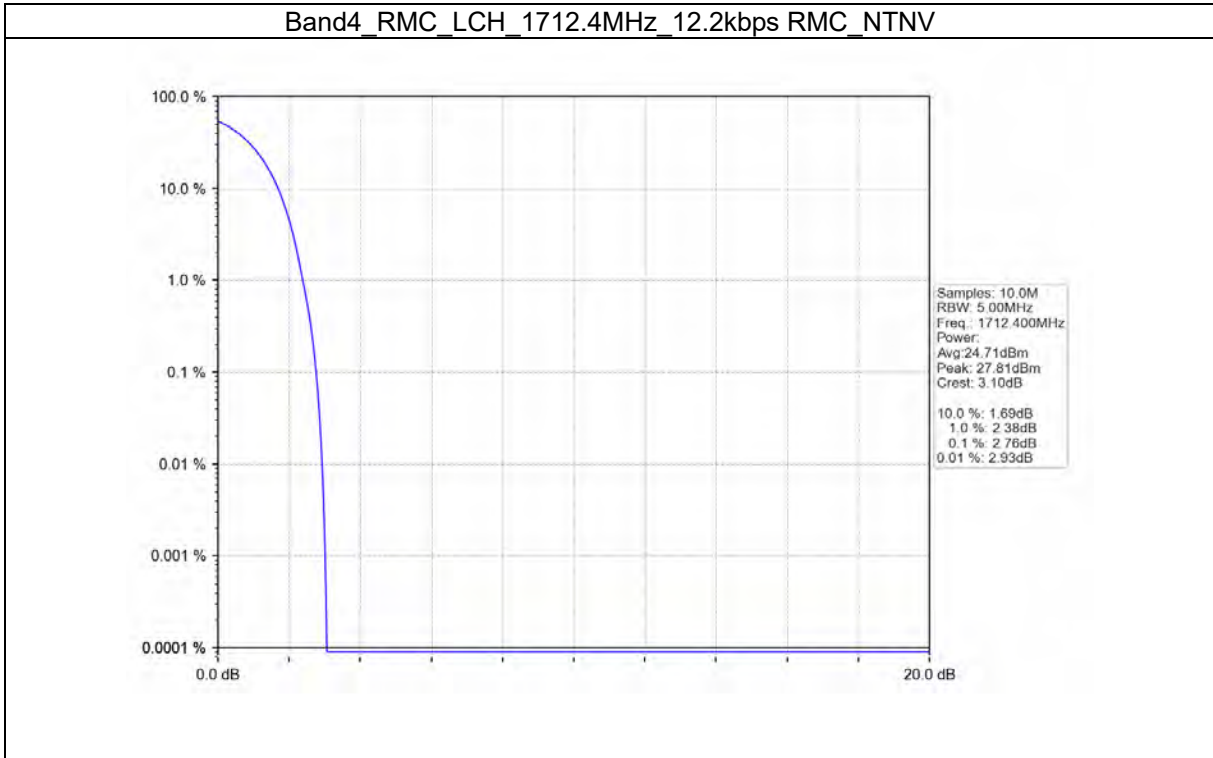
BAND4

TEST RESULT

Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.76	<=13	Pass
			1732.6	3.11	<=13	Pass
			1752.6	2.80	<=13	Pass

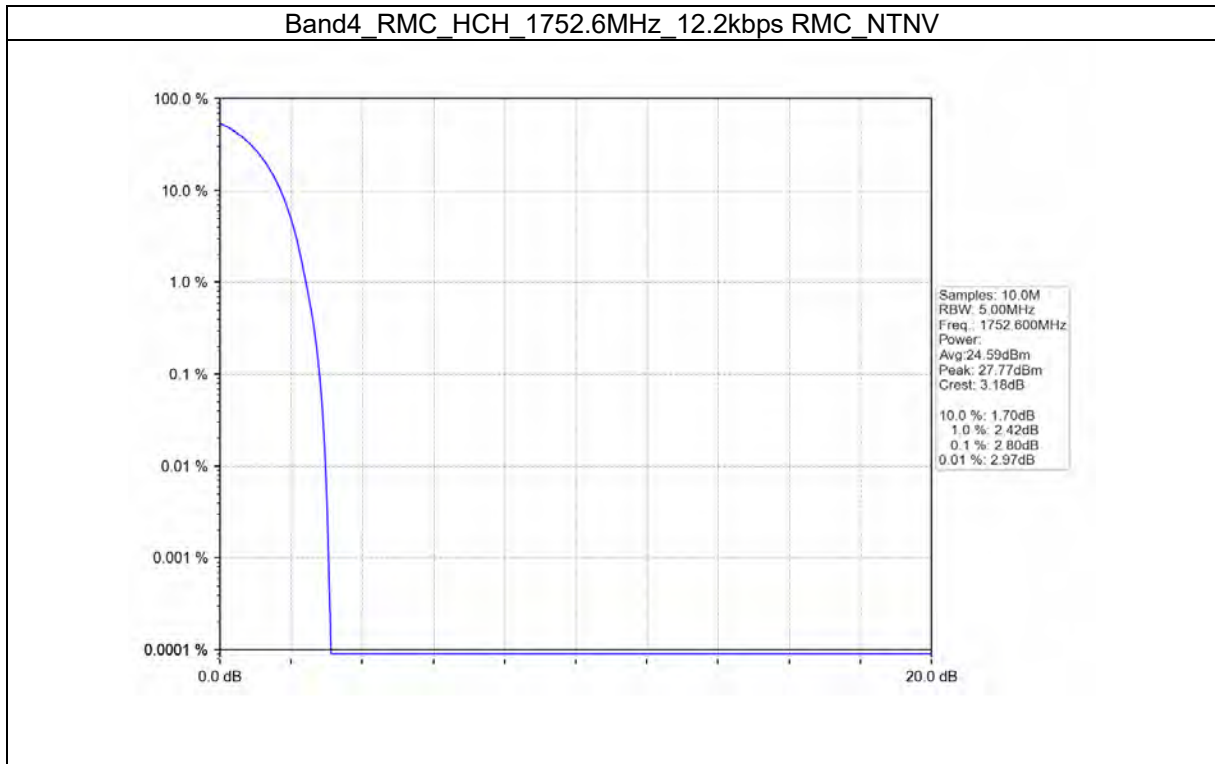


TEST GRAPH





Test Report No.: W7L-P21100026RF15





Test Report No.: W7L-P21100026RF15

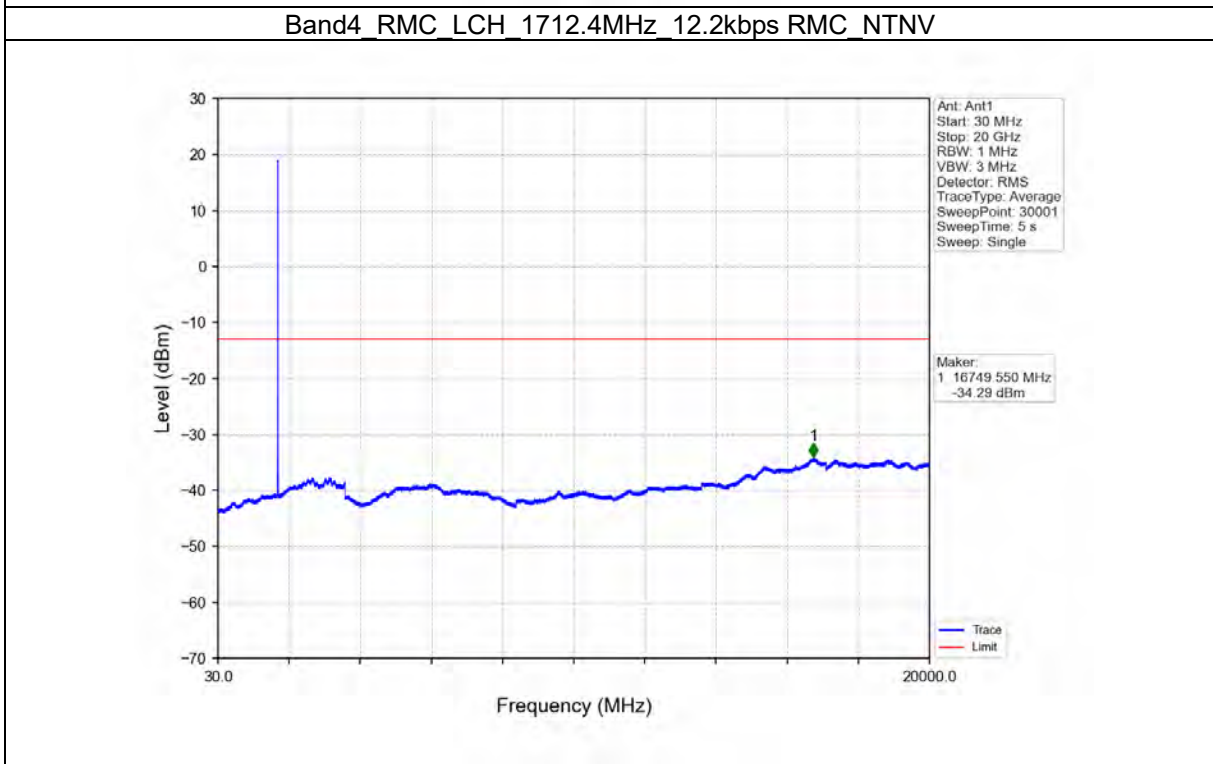
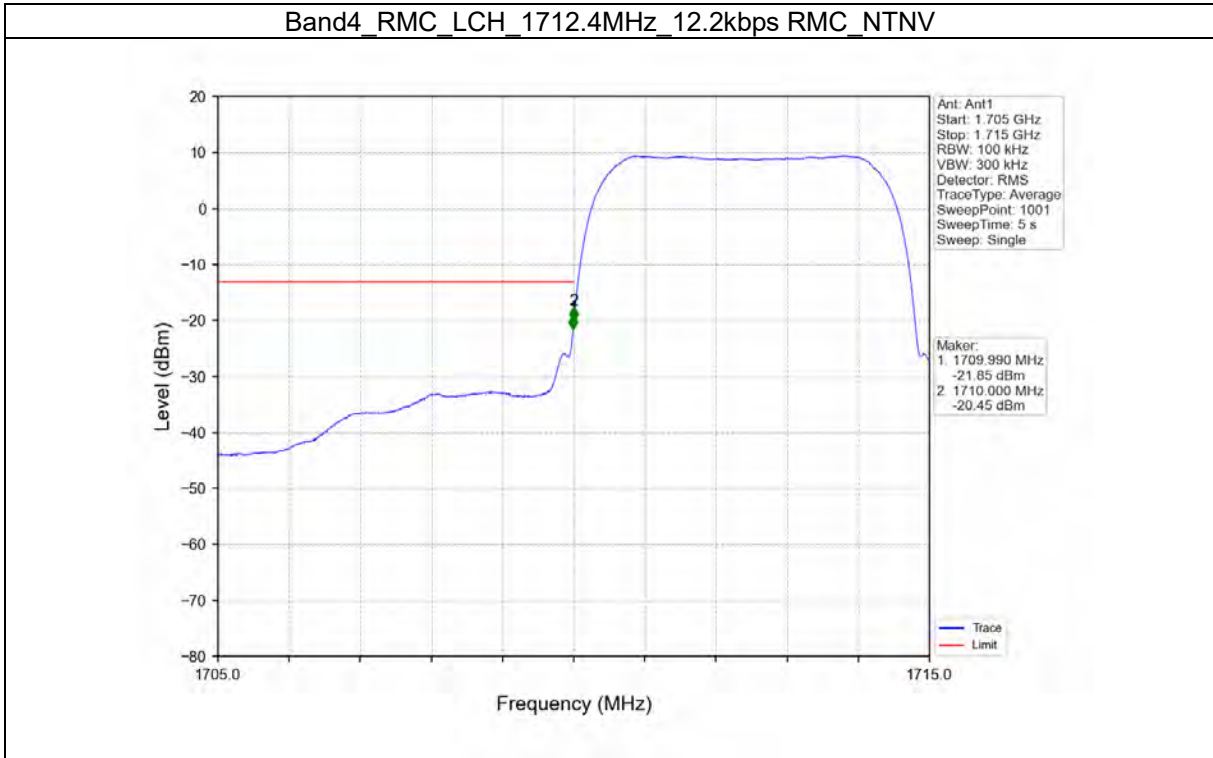
SPURIOUS EMISSION

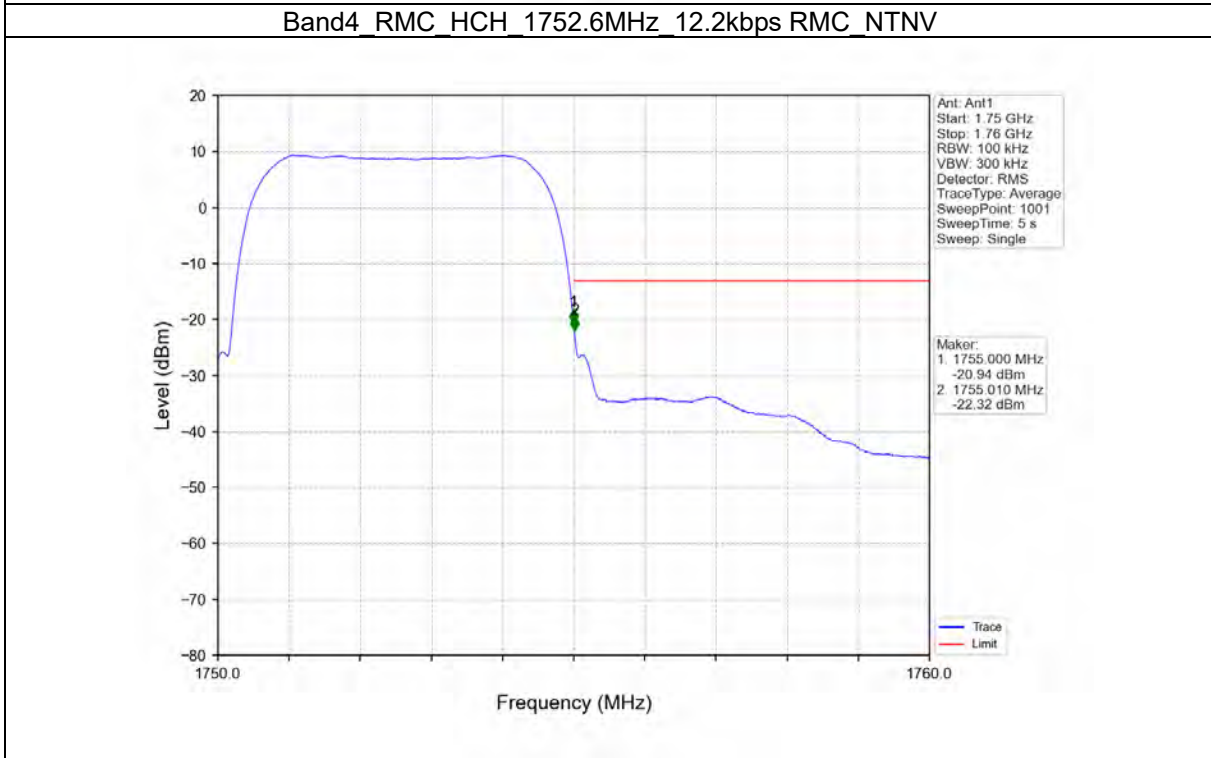
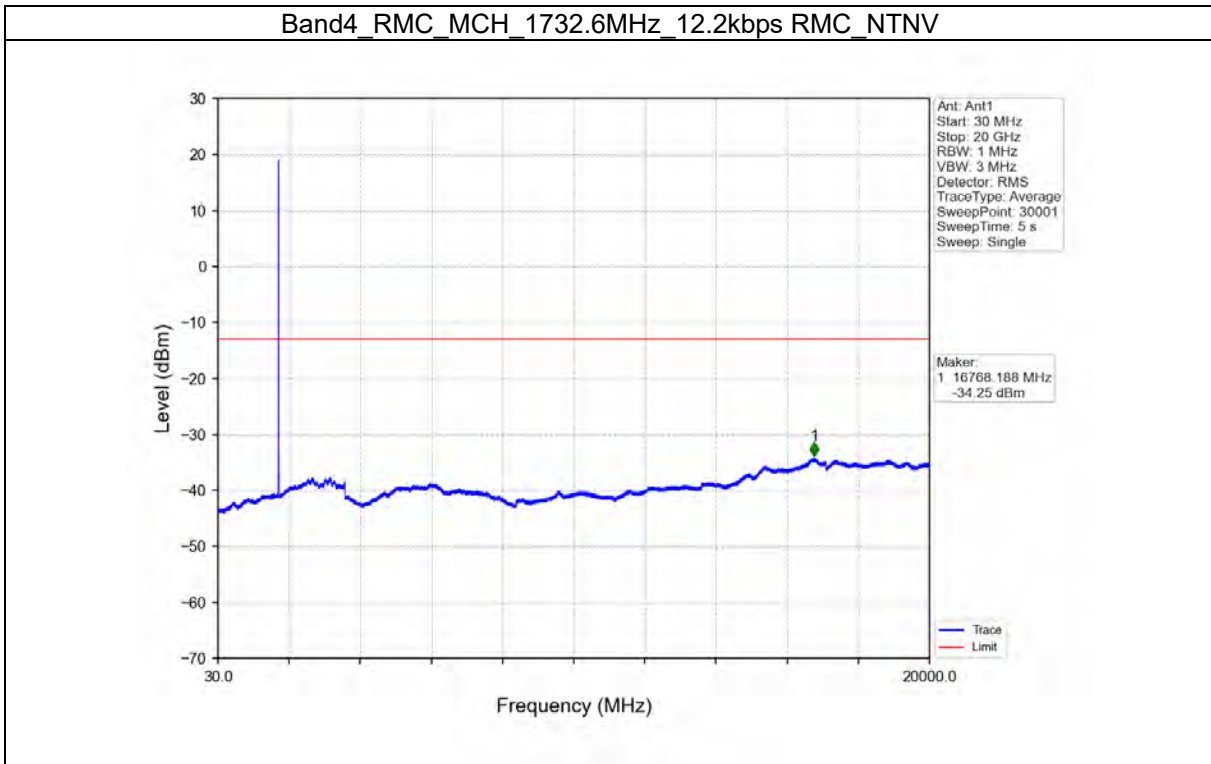
BAND4

TEST RESULT

Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph		Pass
			1732.6	Refer To Test Graph		Pass
			1752.6	Refer To Test Graph		Pass

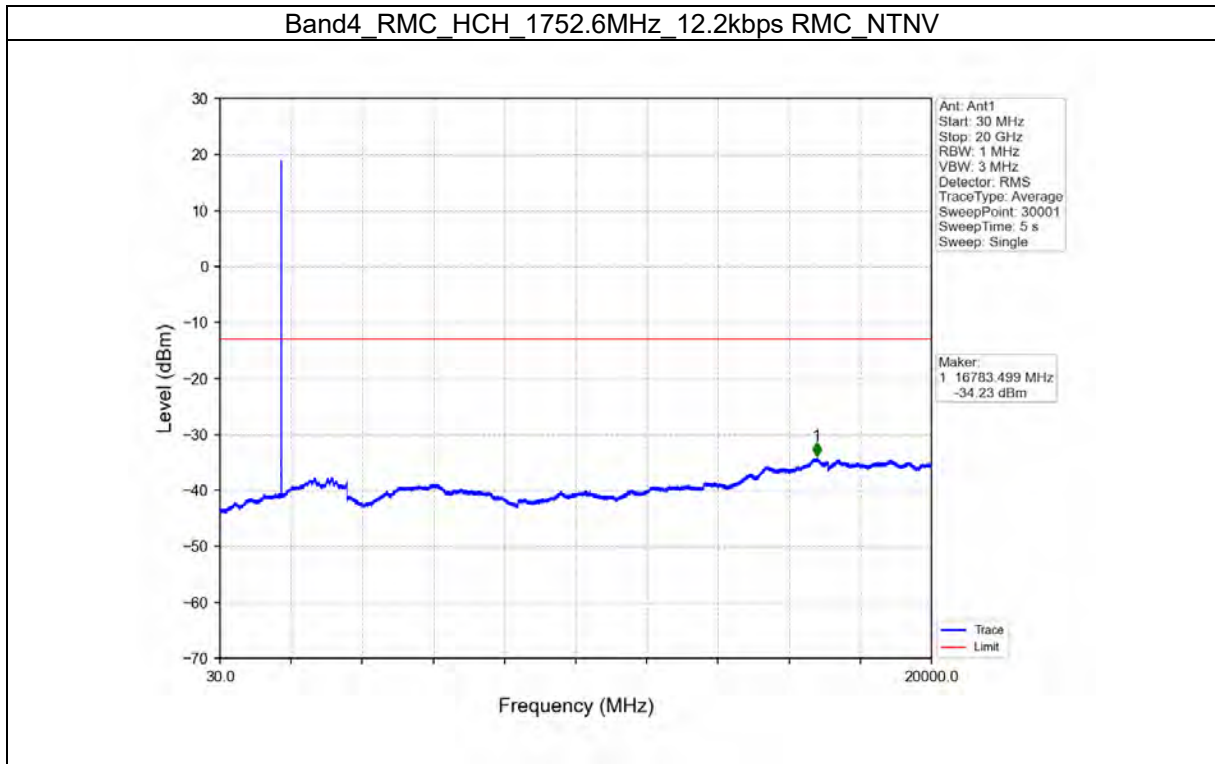
TEST GRAPH







Test Report No.: W7L-P21100026RF15





Test Report No.: W7L-P21100026RF15

LTE BAND 4

FREQUENCY STABILITY

B4_1.4MHZ

TEST RESULT

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-6.44	-0.00	-2.5 to 2.5	Pass
					3.85	-9.23	-0.01	-2.5 to 2.5	Pass
					4.43	-12.09	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-5.05	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.99	-0.00	-2.5 to 2.5	Pass
				-10	3.85	6.82	0.00	-2.5 to 2.5	Pass
				0	3.85	2.35	0.00	-2.5 to 2.5	Pass
				10	3.85	1.46	0.00	-2.5 to 2.5	Pass
				30	3.85	0.36	0.00	-2.5 to 2.5	Pass
	40	3.85	0.70	0.00	-2.5 to 2.5	Pass			
	50	3.85	0.57	0.00	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	-4.99	-0.00	-2.5 to 2.5	Pass
					3.85	-3.90	-0.00	-2.5 to 2.5	Pass
					4.43	-7.31	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-7.34	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-5.42	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.79	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.70	0.00	-2.5 to 2.5	Pass
				10	3.85	1.52	0.00	-2.5 to 2.5	Pass
				30	3.85	2.62	0.00	-2.5 to 2.5	Pass
	40	3.85	0.27	0.00	-2.5 to 2.5	Pass			
	50	3.85	-2.45	-0.00	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	0.86	0.00	-2.5 to 2.5	Pass
					3.85	-8.58	-0.00	-2.5 to 2.5	Pass
					4.43	-7.41	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-5.45	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.33	-0.00	-2.5 to 2.5	Pass
-10				3.85	-5.28	-0.00	-2.5 to 2.5	Pass	
0				3.85	-6.78	-0.00	-2.5 to 2.5	Pass	
10				3.85	-4.99	-0.00	-2.5 to 2.5	Pass	
30				3.85	-7.71	-0.00	-2.5 to 2.5	Pass	
40	3.85	-5.39	-0.00	-2.5 to 2.5	Pass				
50	3.85	-3.20	-0.00	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-1.22	-0.00	-2.5 to 2.5	Pass
					3.85	-0.34	-0.00	-2.5 to 2.5	Pass
					4.43	-0.47	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.03	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.83	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.63	-0.00	-2.5 to 2.5	Pass
10	3.85	-6.38	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

64QAM	1732.5	6	0	30	3.85	0.73	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.24	0.00	-2.5 to 2.5	Pass
				20	3.27	-3.33	-0.00	-2.5 to 2.5	Pass
					3.85	-0.24	-0.00	-2.5 to 2.5	Pass
					4.43	-1.89	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.71	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.09	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.75	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.82	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.59	-0.00	-2.5 to 2.5	Pass
	40	3.85	-0.19	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-2.56	-0.00	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	2.98	0.00	-2.5 to 2.5	Pass
					3.85	-2.50	-0.00	-2.5 to 2.5	Pass
					4.43	-4.21	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.58	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.73	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.87	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.52	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.43	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.25	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.32	-0.00	-2.5 to 2.5	Pass
				1710.7	6	0	20	3.27	-2.05
	3.85	1.29	0.00					-2.5 to 2.5	Pass
	4.43	-1.57	-0.00					-2.5 to 2.5	Pass
	-30	3.85	2.35				0.00	-2.5 to 2.5	Pass
	-20	3.85	0.63				0.00	-2.5 to 2.5	Pass
-10	3.85	-5.84	-0.00				-2.5 to 2.5	Pass	
0	3.85	-5.15	-0.00				-2.5 to 2.5	Pass	
10	3.85	-1.36	-0.00				-2.5 to 2.5	Pass	
30	3.85	-3.96	-0.00				-2.5 to 2.5	Pass	
40	3.85	-2.26	-0.00				-2.5 to 2.5	Pass	
50	3.85	-4.22	-0.00				-2.5 to 2.5	Pass	
1732.5	6	0	20				3.27	-2.69	-0.00
				3.85	-0.76	-0.00	-2.5 to 2.5	Pass	
				4.43	0.73	0.00	-2.5 to 2.5	Pass	
			-30	3.85	-1.86	-0.00	-2.5 to 2.5	Pass	
			-20	3.85	-0.32	-0.00	-2.5 to 2.5	Pass	
			-10	3.85	-1.56	-0.00	-2.5 to 2.5	Pass	
			0	3.85	-3.49	-0.00	-2.5 to 2.5	Pass	
			10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass	
			30	3.85	0.27	0.00	-2.5 to 2.5	Pass	
			40	3.85	3.40	0.00	-2.5 to 2.5	Pass	
			50	3.85	-4.99	-0.00	-2.5 to 2.5	Pass	
			1754.3	6	0	20	3.27	-7.92	-0.00
3.85	-3.15	-0.00					-2.5 to 2.5	Pass	
4.43	-1.66	-0.00					-2.5 to 2.5	Pass	
-30	3.85	-0.61				-0.00	-2.5 to 2.5	Pass	
-20	3.85	-2.52				-0.00	-2.5 to 2.5	Pass	
-10	3.85	-2.93	-0.00	-2.5 to 2.5	Pass				



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VERITAS**

Test Report No.: W7L-P21100026RF15

				0	3.85	-3.26	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.83	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.24	-0.00	-2.5 to 2.5	Pass
				40	3.85	-12.92	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.09	-0.00	-2.5 to 2.5	Pass

B4_3MHZ

TEST RESULT

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.27	-9.50	-0.01	-2.5 to 2.5	Pass	
					3.85	-13.66	-0.01	-2.5 to 2.5	Pass	
					4.43	-8.25	-0.00	-2.5 to 2.5	Pass	
				-30	3.85	-7.11	-0.00	-2.5 to 2.5	Pass	
					-20	3.85	-6.45	-0.00	-2.5 to 2.5	Pass
						3.85	-1.29	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.59	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-2.93	-0.00	-2.5 to 2.5	Pass
					30	3.85	-1.96	-0.00	-2.5 to 2.5	Pass
					40	3.85	7.18	0.00	-2.5 to 2.5	Pass
	50	3.85	2.55		0.00	-2.5 to 2.5	Pass			
	1732.5	15	0		20	3.27	-0.84	-0.00	-2.5 to 2.5	Pass
						3.85	-5.31	-0.00	-2.5 to 2.5	Pass
				4.43		0.59	0.00	-2.5 to 2.5	Pass	
				-30	3.85	-1.95	-0.00	-2.5 to 2.5	Pass	
					-20	3.85	-3.39	-0.00	-2.5 to 2.5	Pass
						3.85	-2.25	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.43	0.00	-2.5 to 2.5	Pass	
					10	3.85	0.46	0.00	-2.5 to 2.5	Pass
					30	3.85	4.96	0.00	-2.5 to 2.5	Pass
					40	3.85	1.47	0.00	-2.5 to 2.5	Pass
	50	3.85	2.40	0.00	-2.5 to 2.5	Pass				
	1753.5	15	0	20	3.27	-6.08	-0.00	-2.5 to 2.5	Pass	
					3.85	-5.81	-0.00	-2.5 to 2.5	Pass	
					4.43	-3.72	-0.00	-2.5 to 2.5	Pass	
				-30	3.85	-6.82	-0.00	-2.5 to 2.5	Pass	
					-20	3.85	0.54	0.00	-2.5 to 2.5	Pass
						3.85	-4.18	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.43	0.00	-2.5 to 2.5	Pass	
					10	3.85	1.02	0.00	-2.5 to 2.5	Pass
30					3.85	-0.39	-0.00	-2.5 to 2.5	Pass	
40					3.85	0.81	0.00	-2.5 to 2.5	Pass	
50	3.85	3.79	0.00	-2.5 to 2.5	Pass					
16QAM	1711.5	15	0	20	3.27	2.39	0.00	-2.5 to 2.5	Pass	
					3.85	0.44	0.00	-2.5 to 2.5	Pass	
					4.43	2.05	0.00	-2.5 to 2.5	Pass	
				-30	3.85	-2.36	-0.00	-2.5 to 2.5	Pass	
				-20	3.85	0.77	0.00	-2.5 to 2.5	Pass	



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

64QAM	1732.5	15	0	-10	3.85	-1.70	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.72	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.46	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.54	0.00	-2.5 to 2.5	Pass
				40	3.85	-4.58	-0.00	-2.5 to 2.5	Pass
				50	3.85	0.49	0.00	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.83	0.00	-2.5 to 2.5	Pass
					3.85	3.59	0.00	-2.5 to 2.5	Pass
					4.43	1.46	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.26	0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.02	-0.00	-2.5 to 2.5	Pass
				-10	3.85	1.13	0.00	-2.5 to 2.5	Pass
				0	3.85	3.02	0.00	-2.5 to 2.5	Pass
				10	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
				30	3.85	3.08	0.00	-2.5 to 2.5	Pass
				40	3.85	-1.99	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
				1753.5	15	0	20	3.27	0.40
	3.85	1.99	0.00					-2.5 to 2.5	Pass
	4.43	4.41	0.00					-2.5 to 2.5	Pass
	-30	3.85	0.94				0.00	-2.5 to 2.5	Pass
	-20	3.85	-0.07				0.00	-2.5 to 2.5	Pass
	-10	3.85	-4.51				-0.00	-2.5 to 2.5	Pass
	0	3.85	-2.13				-0.00	-2.5 to 2.5	Pass
	10	3.85	-2.40				-0.00	-2.5 to 2.5	Pass
	30	3.85	-1.92				-0.00	-2.5 to 2.5	Pass
	40	3.85	-1.13				-0.00	-2.5 to 2.5	Pass
	50	3.85	-4.46				-0.00	-2.5 to 2.5	Pass
	1711.5	15	0				20	3.27	2.06
				3.85	-0.40	-0.00		-2.5 to 2.5	Pass
				4.43	2.89	0.00		-2.5 to 2.5	Pass
				-30	3.85	-1.76	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-5.96	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.96	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.52	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.27	-0.00	-2.5 to 2.5	Pass
30				3.85	-2.23	-0.00	-2.5 to 2.5	Pass	
40				3.85	-8.51	-0.01	-2.5 to 2.5	Pass	
50				3.85	-5.84	-0.00	-2.5 to 2.5	Pass	
1732.5				15	0	20	3.27	0.37	0.00
		3.85	-2.75				-0.00	-2.5 to 2.5	Pass
		4.43	0.33				0.00	-2.5 to 2.5	Pass
		-30	3.85			-6.05	-0.00	-2.5 to 2.5	Pass
		-20	3.85			0.64	0.00	-2.5 to 2.5	Pass
		-10	3.85			-5.18	-0.00	-2.5 to 2.5	Pass
		0	3.85			-3.38	-0.00	-2.5 to 2.5	Pass
		10	3.85			-5.36	-0.00	-2.5 to 2.5	Pass
		30	3.85			-6.77	-0.00	-2.5 to 2.5	Pass
		40	3.85			-4.63	-0.00	-2.5 to 2.5	Pass
		50	3.85			-7.34	-0.00	-2.5 to 2.5	Pass
		1753.5	15			0	20	3.27	-4.09
3.85				3.53	0.00			-2.5 to 2.5	Pass
4.43	-2.39			-0.00	-2.5 to 2.5			Pass	



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VERITAS**

Test Report No.: W7L-P21100026RF15

				-30	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.96	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.21	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.96	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.62	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.32	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.56	-0.00	-2.5 to 2.5	Pass

B4_5MHZ

TEST RESULT

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-9.33	-0.01	-2.5 to 2.5	Pass
					3.85	-1.75	-0.00	-2.5 to 2.5	Pass
					4.43	-3.92	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.73	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.20	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.11	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.13	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.66	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.01	0.00	-2.5 to 2.5	Pass
	40	3.85	0.26	0.00	-2.5 to 2.5	Pass			
	50	3.85	-0.26	-0.00	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	-9.54	-0.01	-2.5 to 2.5	Pass
					3.85	-7.24	-0.00	-2.5 to 2.5	Pass
					4.43	0.30	0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.49	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-7.11	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.76	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.96	-0.00	-2.5 to 2.5	Pass
10				3.85	-1.76	-0.00	-2.5 to 2.5	Pass	
30				3.85	0.04	0.00	-2.5 to 2.5	Pass	



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VERITAS**

Test Report No.: W7L-P21100026RF15

	1752.5	25	0	40	3.85	-2.38	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-2.58	-0.00	-2.5 to 2.5	Pass				
				20	3.27	-1.56	-0.00	-2.5 to 2.5	Pass				
					3.85	-0.13	-0.00	-2.5 to 2.5	Pass				
					4.43	-1.45	-0.00	-2.5 to 2.5	Pass				
				-30	3.85	-3.08	-0.00	-2.5 to 2.5	Pass				
				-20	3.85	-2.99	-0.00	-2.5 to 2.5	Pass				
				-10	3.85	0.96	0.00	-2.5 to 2.5	Pass				
				0	3.85	-1.96	-0.00	-2.5 to 2.5	Pass				
				10	3.85	-2.93	-0.00	-2.5 to 2.5	Pass				
				30	3.85	0.24	0.00	-2.5 to 2.5	Pass				
				40	3.85	2.32	0.00	-2.5 to 2.5	Pass				
				50	3.85	1.13	0.00	-2.5 to 2.5	Pass				
				16QAM	1712.5	25	0	20	3.27	2.07	0.00	-2.5 to 2.5	Pass
3.85	0.24	0.00	-2.5 to 2.5						Pass				
4.43	1.12	0.00	-2.5 to 2.5						Pass				
-30	3.85	-0.32	-0.00					-2.5 to 2.5	Pass				
-20	3.85	-1.07	-0.00					-2.5 to 2.5	Pass				
-10	3.85	-0.81	-0.00					-2.5 to 2.5	Pass				
0	3.85	-3.12	-0.00					-2.5 to 2.5	Pass				
10	3.85	-2.80	-0.00					-2.5 to 2.5	Pass				
30	3.85	-0.69	-0.00					-2.5 to 2.5	Pass				
40	3.85	-0.24	-0.00					-2.5 to 2.5	Pass				
50	3.85	-3.71	-0.00					-2.5 to 2.5	Pass				
	1732.5	25	0					20	3.27	-1.53	-0.00	-2.5 to 2.5	Pass
									3.85	-2.12	-0.00	-2.5 to 2.5	Pass
									4.43	-2.90	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.43	-0.00	-2.5 to 2.5	Pass				
				-20	3.85	-3.81	-0.00	-2.5 to 2.5	Pass				
				-10	3.85	-4.13	-0.00	-2.5 to 2.5	Pass				
				0	3.85	-0.24	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

64QAM				10	3.85	-1.50	-0.00	-2.5 to 2.5	Pass		
				30	3.85	-7.70	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-3.45	-0.00	-2.5 to 2.5	Pass		
				50	3.85	-2.12	-0.00	-2.5 to 2.5	Pass		
	1752.5	25	0	20	3.27	-2.12	-0.00	-2.5 to 2.5	Pass		
					3.85	6.18	0.00	-2.5 to 2.5	Pass		
					4.43	-4.03	-0.00	-2.5 to 2.5	Pass		
				-30	3.85	-0.89	-0.00	-2.5 to 2.5	Pass		
				-20	3.85	2.70	0.00	-2.5 to 2.5	Pass		
				-10	3.85	-1.27	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-1.92	-0.00	-2.5 to 2.5	Pass		
				10	3.85	-1.32	-0.00	-2.5 to 2.5	Pass		
				30	3.85	2.39	0.00	-2.5 to 2.5	Pass		
				40	3.85	-3.73	-0.00	-2.5 to 2.5	Pass		
				50	3.85	-0.87	-0.00	-2.5 to 2.5	Pass		
	1712.5	25	0	20	3.27	-0.64	-0.00	-2.5 to 2.5	Pass		
					3.85	-1.50	-0.00	-2.5 to 2.5	Pass		
					4.43	-2.96	-0.00	-2.5 to 2.5	Pass		
				-30	3.85	-6.21	-0.00	-2.5 to 2.5	Pass		
-20				3.85	-3.65	-0.00	-2.5 to 2.5	Pass			
-10				3.85	-0.87	-0.00	-2.5 to 2.5	Pass			
0				3.85	-4.66	-0.00	-2.5 to 2.5	Pass			
10				3.85	-3.93	-0.00	-2.5 to 2.5	Pass			
30				3.85	-4.22	-0.00	-2.5 to 2.5	Pass			
40				3.85	-6.17	-0.00	-2.5 to 2.5	Pass			
50				3.85	-3.12	-0.00	-2.5 to 2.5	Pass			
1732.5				25	0	20	3.27	-5.34	-0.00	-2.5 to 2.5	Pass
							3.85	-5.82	-0.00	-2.5 to 2.5	Pass
	4.43	-2.39	-0.00				-2.5 to 2.5	Pass			
	-30	3.85	-2.16			-0.00	-2.5 to 2.5	Pass			
	-20	3.85	-2.77			-0.00	-2.5 to 2.5	Pass			



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-10	3.85	-5.95	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-2.66	-0.00	-2.5 to 2.5	Pass			
				10	3.85	-4.42	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-4.66	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-7.00	-0.00	-2.5 to 2.5	Pass			
				50	3.85	-3.32	-0.00	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	-2.82	-0.00	-2.5 to 2.5	Pass			
3.85					-3.82	-0.00	-2.5 to 2.5	Pass				
4.43					3.42	0.00	-2.5 to 2.5	Pass				
							-30	3.85	-2.49	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-1.59	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-2.52	-0.00	-2.5 to 2.5	Pass
							0	3.85	0.01	0.00	-2.5 to 2.5	Pass
							10	3.85	-4.41	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.76	-0.00	-2.5 to 2.5	Pass
							40	3.85	-0.76	-0.00	-2.5 to 2.5	Pass
							50	3.85	-3.33	-0.00	-2.5 to 2.5	Pass

B4_10MHZ

TEST RESULT

Band: 4 / Bandwidth: 10MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	1715	50	0	20	3.27	-3.85	-0.00	-2.5 to 2.5	Pass				
					3.85	-1.56	-0.00	-2.5 to 2.5	Pass				
					4.43	-0.50	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	1.83	0.00	-2.5 to 2.5	Pass
								-20	3.85	0.74	0.00	-2.5 to 2.5	Pass
								-10	3.85	0.69	0.00	-2.5 to 2.5	Pass
								0	3.85	1.07	0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				10	3.85	1.73	0.00	-2.5 to 2.5	Pass				
				30	3.85	-0.04	0.00	-2.5 to 2.5	Pass				
				40	3.85	-1.22	-0.00	-2.5 to 2.5	Pass				
				50	3.85	0.40	0.00	-2.5 to 2.5	Pass				
	1732.5	50	0	20	3.27	-4.11	-0.00	-2.5 to 2.5	Pass				
3.85					-3.76	-0.00	-2.5 to 2.5	Pass					
4.43					-4.19	-0.00	-2.5 to 2.5	Pass					
							-30	3.85	-3.82	-0.00	-2.5 to 2.5	Pass	
							-20	3.85	-2.43	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	-3.02	-0.00	-2.5 to 2.5	Pass	
							0	3.85	-4.99	-0.00	-2.5 to 2.5	Pass	
							10	3.85	-1.29	-0.00	-2.5 to 2.5	Pass	
							30	3.85	-5.01	-0.00	-2.5 to 2.5	Pass	
							40	3.85	-3.83	-0.00	-2.5 to 2.5	Pass	
							50	3.85	-2.85	-0.00	-2.5 to 2.5	Pass	
				1750	50	0	20	3.27	0.27	0.00	-2.5 to 2.5	Pass	
3.85	-1.93	-0.00	-2.5 to 2.5					Pass					
4.43	0.60	0.00	-2.5 to 2.5					Pass					
							-30	3.85	1.37	0.00	-2.5 to 2.5	Pass	
							-20	3.85	-1.00	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	0.32	0.00	-2.5 to 2.5	Pass	
							0	3.85	-0.39	-0.00	-2.5 to 2.5	Pass	
							10	3.85	1.50	0.00	-2.5 to 2.5	Pass	
							30	3.85	0.76	0.00	-2.5 to 2.5	Pass	
							40	3.85	-0.17	-0.00	-2.5 to 2.5	Pass	
							50	3.85	-1.99	-0.00	-2.5 to 2.5	Pass	
16QAM	1715	50	0				20	3.27	0.01	0.00	-2.5 to 2.5	Pass	
				3.85	1.17	0.00		-2.5 to 2.5	Pass				
				4.43	1.09	0.00		-2.5 to 2.5	Pass				
								-30	3.85	1.82	0.00	-2.5 to 2.5	Pass
								-20	3.85	1.67	0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-10	3.85	2.99	0.00	-2.5 to 2.5	Pass			
				0	3.85	1.63	0.00	-2.5 to 2.5	Pass			
				10	3.85	2.10	0.00	-2.5 to 2.5	Pass			
				30	3.85	2.89	0.00	-2.5 to 2.5	Pass			
				40	3.85	0.30	0.00	-2.5 to 2.5	Pass			
				50	3.85	0.36	0.00	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-3.02	-0.00	-2.5 to 2.5	Pass			
3.85					-2.02	-0.00	-2.5 to 2.5	Pass				
4.43					-3.16	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	-4.33	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-8.77	-0.01	-2.5 to 2.5	Pass
							-10	3.85	-4.12	-0.00	-2.5 to 2.5	Pass
							0	3.85	-4.22	-0.00	-2.5 to 2.5	Pass
							10	3.85	0.84	0.00	-2.5 to 2.5	Pass
							30	3.85	-4.16	-0.00	-2.5 to 2.5	Pass
							40	3.85	-3.50	-0.00	-2.5 to 2.5	Pass
							50	3.85	-4.75	-0.00	-2.5 to 2.5	Pass
				1750	50	0	20	3.27	-1.87	-0.00	-2.5 to 2.5	Pass
3.85	-1.14	-0.00	-2.5 to 2.5					Pass				
4.43	0.39	0.00	-2.5 to 2.5					Pass				
							-30	3.85	-0.70	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-1.14	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-0.26	-0.00	-2.5 to 2.5	Pass
							0	3.85	1.59	0.00	-2.5 to 2.5	Pass
							10	3.85	-0.80	-0.00	-2.5 to 2.5	Pass
							30	3.85	1.57	0.00	-2.5 to 2.5	Pass
							40	3.85	-0.14	-0.00	-2.5 to 2.5	Pass
							50	3.85	-1.34	-0.00	-2.5 to 2.5	Pass
64QAM	1715	50	0	20	3.27	-0.93	-0.00	-2.5 to 2.5	Pass			
					3.85	4.79	0.00	-2.5 to 2.5	Pass			
					4.43	2.62	0.00	-2.5 to 2.5	Pass			



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-30	3.85	1.07	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.70	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.47	0.00	-2.5 to 2.5	Pass
				0	3.85	1.52	0.00	-2.5 to 2.5	Pass
				10	3.85	-1.42	-0.00	-2.5 to 2.5	Pass
				30	3.85	3.62	0.00	-2.5 to 2.5	Pass
				40	3.85	1.25	0.00	-2.5 to 2.5	Pass
				50	3.85	-0.17	-0.00	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.48	-0.00	-2.5 to 2.5	Pass
3.85					-0.66	-0.00	-2.5 to 2.5	Pass	
4.43					-5.39	-0.00	-2.5 to 2.5	Pass	
-30				3.85	-3.99	-0.00	-2.5 to 2.5	Pass	
-20				3.85	-7.45	-0.00	-2.5 to 2.5	Pass	
-10				3.85	-3.53	-0.00	-2.5 to 2.5	Pass	
0				3.85	-4.54	-0.00	-2.5 to 2.5	Pass	
10				3.85	-7.35	-0.00	-2.5 to 2.5	Pass	
30				3.85	-3.76	-0.00	-2.5 to 2.5	Pass	
40				3.85	-4.36	-0.00	-2.5 to 2.5	Pass	
50				3.85	-2.82	-0.00	-2.5 to 2.5	Pass	
	1750	50	0	20	3.27	-0.30	-0.00	-2.5 to 2.5	Pass
3.85					-2.10	-0.00	-2.5 to 2.5	Pass	
4.43					0.63	0.00	-2.5 to 2.5	Pass	
-30				3.85	-1.86	-0.00	-2.5 to 2.5	Pass	
-20				3.85	-0.81	-0.00	-2.5 to 2.5	Pass	
-10				3.85	-0.92	-0.00	-2.5 to 2.5	Pass	
0				3.85	-0.03	0.00	-2.5 to 2.5	Pass	
10				3.85	-1.79	-0.00	-2.5 to 2.5	Pass	
30				3.85	-2.63	-0.00	-2.5 to 2.5	Pass	
40				3.85	-1.00	-0.00	-2.5 to 2.5	Pass	
50				3.85	-1.73	-0.00	-2.5 to 2.5	Pass	



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

B4_15MHZ

TEST RESULT

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-4.58	-0.00	-2.5 to 2.5	Pass
					3.85	-3.28	-0.00	-2.5 to 2.5	Pass
					4.43	-2.30	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.72	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.46	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.26	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.09	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.33	0.00	-2.5 to 2.5	Pass
				50	3.85	0.81	0.00	-2.5 to 2.5	Pass
				1732.5	75	0	20	3.27	-1.90
	3.85	-1.67	-0.00					-2.5 to 2.5	Pass
	4.43	0.21	0.00					-2.5 to 2.5	Pass
	-30	3.85	-0.97				-0.00	-2.5 to 2.5	Pass
	-20	3.85	0.17				0.00	-2.5 to 2.5	Pass
	-10	3.85	-0.21				-0.00	-2.5 to 2.5	Pass
	0	3.85	-1.02				-0.00	-2.5 to 2.5	Pass
	10	3.85	-1.77				-0.00	-2.5 to 2.5	Pass
	30	3.85	0.21				0.00	-2.5 to 2.5	Pass
	40	3.85	-1.84				-0.00	-2.5 to 2.5	Pass
	50	3.85	0.93				0.00	-2.5 to 2.5	Pass
	1747.5	75	0				20	3.27	-5.25
				3.85	-2.75	-0.00		-2.5 to 2.5	Pass
				4.43	-1.20	-0.00		-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-30	3.85	-0.47	-0.00	-2.5 to 2.5	Pass				
				-20	3.85	-2.67	-0.00	-2.5 to 2.5	Pass				
				-10	3.85	-1.22	-0.00	-2.5 to 2.5	Pass				
				0	3.85	-1.76	-0.00	-2.5 to 2.5	Pass				
				10	3.85	-1.59	-0.00	-2.5 to 2.5	Pass				
				30	3.85	-0.34	-0.00	-2.5 to 2.5	Pass				
				40	3.85	-2.00	-0.00	-2.5 to 2.5	Pass				
				50	3.85	0.33	0.00	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	-2.52	-0.00	-2.5 to 2.5	Pass				
					3.85	-0.20	-0.00	-2.5 to 2.5	Pass				
					4.43	0.04	0.00	-2.5 to 2.5	Pass				
								-30	3.85	0.04	0.00	-2.5 to 2.5	Pass
								-20	3.85	-1.99	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-1.32	-0.00	-2.5 to 2.5	Pass
								0	3.85	-1.66	-0.00	-2.5 to 2.5	Pass
								10	3.85	-1.50	-0.00	-2.5 to 2.5	Pass
								30	3.85	-1.47	-0.00	-2.5 to 2.5	Pass
					40	3.85	0.00	0.00	-2.5 to 2.5	Pass			
					50	3.85	-1.97	-0.00	-2.5 to 2.5	Pass			
		1732.5	75	0	20	3.27	-1.75	-0.00	-2.5 to 2.5	Pass			
	3.85					1.77	0.00	-2.5 to 2.5	Pass				
	4.43					-1.37	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-0.69	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-3.39	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-1.72	-0.00	-2.5 to 2.5	Pass
								0	3.85	-1.29	-0.00	-2.5 to 2.5	Pass
								10	3.85	-3.56	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.96	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-1.73	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-1.23	-0.00	-2.5 to 2.5	Pass				
	1747.5	75	0	20	3.27	-1.46	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

					3.85	-2.65	-0.00	-2.5 to 2.5	Pass
					4.43	-3.72	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-5.36	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.03	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.36	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.75	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.93	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.68	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.84	-0.00	-2.5 to 2.5	Pass
64QAM	1717.5	75	0	20	3.27	-0.11	-0.00	-2.5 to 2.5	Pass
					3.85	-2.29	-0.00	-2.5 to 2.5	Pass
					4.43	-3.30	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.39	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.68	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.28	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.17	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.16	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.56	-0.00	-2.5 to 2.5	Pass
50	3.85	-1.16	-0.00	-2.5 to 2.5	Pass				
	1732.5	75	0	20	3.27	-3.79	-0.00	-2.5 to 2.5	Pass
					3.85	0.79	0.00	-2.5 to 2.5	Pass
					4.43	-1.45	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.96	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.62	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.17	-0.00	-2.5 to 2.5	Pass
				0	3.85	0.93	0.00	-2.5 to 2.5	Pass
				10	3.85	-1.27	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.85	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.37	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				50	3.85	0.00	0.00	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.14	-0.00	-2.5 to 2.5	Pass
					3.85	-3.76	-0.00	-2.5 to 2.5	Pass
					4.43	-3.25	-0.00	-2.5 to 2.5	Pass
					4.43	-3.25	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.45	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.10	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.29	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.45	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.16	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.15	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.48	-0.00	-2.5 to 2.5	Pass

B4_20MHZ

TEST RESULT

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-4.19	-0.00	-2.5 to 2.5	Pass
					3.85	-1.96	-0.00	-2.5 to 2.5	Pass
					4.43	0.64	0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.15	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.53	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.50	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.61	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.97	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.92	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.19	-0.00	-2.5 to 2.5	Pass
					1732.5	100	0	20	3.27



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

					3.85	-2.65	-0.00	-2.5 to 2.5	Pass
					4.43	-0.63	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.86	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.32	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.25	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.54	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.75	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.88	-0.00	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.81	-0.00	-2.5 to 2.5	Pass
					3.85	-2.50	-0.00	-2.5 to 2.5	Pass
					4.43	-1.53	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.32	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.94	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.42	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.86	0.00	-2.5 to 2.5	Pass
				30	3.85	-1.36	-0.00	-2.5 to 2.5	Pass
40				3.85	0.04	0.00	-2.5 to 2.5	Pass	
50	3.85	-2.10	-0.00	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-1.12	-0.00	-2.5 to 2.5	Pass
					3.85	-3.43	-0.00	-2.5 to 2.5	Pass
					4.43	-2.33	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.01	0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.39	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.23	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.86	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.70	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.56	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

	1732.5	100	0	50	3.85	-4.36	-0.00	-2.5 to 2.5	Pass
				20	3.27	-1.43	-0.00	-2.5 to 2.5	Pass
					3.85	-4.75	-0.00	-2.5 to 2.5	Pass
					4.43	-6.31	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-5.57	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-6.71	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.49	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.34	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.49	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.55	-0.00	-2.5 to 2.5	Pass
	40	3.85	-6.58	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-4.08	-0.00	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-2.85	-0.00	-2.5 to 2.5	Pass
					3.85	-4.52	-0.00	-2.5 to 2.5	Pass
					4.43	-1.79	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.67	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.40	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.97	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.60	0.00	-2.5 to 2.5	Pass
30				3.85	-0.10	-0.00	-2.5 to 2.5	Pass	
40				3.85	-1.70	-0.00	-2.5 to 2.5	Pass	
50	3.85	-1.90	-0.00	-2.5 to 2.5	Pass				
64QAM	1720	100	0	20	3.27	-2.25	-0.00	-2.5 to 2.5	Pass
					3.85	-1.95	-0.00	-2.5 to 2.5	Pass
					4.43	-4.62	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.49	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.69	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.18	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.72	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.69	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				30	3.85	-2.15	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-2.13	-0.00	-2.5 to 2.5	Pass			
				50	3.85	-1.29	-0.00	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-6.24	-0.00	-2.5 to 2.5	Pass			
3.85					-4.61	-0.00	-2.5 to 2.5	Pass				
4.43					-5.24	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	-4.26	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-7.80	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-3.92	-0.00	-2.5 to 2.5	Pass
							0	3.85	-3.69	-0.00	-2.5 to 2.5	Pass
							10	3.85	-3.90	-0.00	-2.5 to 2.5	Pass
							30	3.85	-5.08	-0.00	-2.5 to 2.5	Pass
							40	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
							50	3.85	-4.33	-0.00	-2.5 to 2.5	Pass
				1745	100	0	20	3.27	1.37	0.00	-2.5 to 2.5	Pass
3.85	1.82	0.00	-2.5 to 2.5					Pass				
4.43	-0.39	-0.00	-2.5 to 2.5					Pass				
							-30	3.85	-1.10	-0.00	-2.5 to 2.5	Pass
							-20	3.85	0.04	0.00	-2.5 to 2.5	Pass
							-10	3.85	-2.63	-0.00	-2.5 to 2.5	Pass
							0	3.85	-0.66	-0.00	-2.5 to 2.5	Pass
							10	3.85	-0.26	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.80	-0.00	-2.5 to 2.5	Pass
							40	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.40	-0.00	-2.5 to 2.5	Pass			



Test Report No.: W7L-P21100026RF15

99% & 26DB BANDWIDTH

BAND4_OBW

TEST RESULT

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.111	Pass
		1732.5	6	0	1.115	Pass
		1754.3	6	0	1.111	Pass
	16QAM	1710.7	6	0	1.107	Pass
		1732.5	6	0	1.116	Pass
		1754.3	6	0	1.121	Pass
	64QAM	1710.7	6	0	1.113	Pass
		1732.5	6	0	1.110	Pass
		1754.3	6	0	1.113	Pass
3	QPSK	1711.5	15	0	2.727	Pass
		1732.5	15	0	2.733	Pass
		1753.5	15	0	2.732	Pass
	16QAM	1711.5	15	0	2.727	Pass
		1732.5	15	0	2.731	Pass
		1753.5	15	0	2.737	Pass
	64QAM	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.733	Pass
		1753.5	15	0	2.745	Pass
5	QPSK	1712.5	25	0	4.559	Pass
		1732.5	25	0	4.548	Pass
		1752.5	25	0	4.539	Pass
	16QAM	1712.5	25	0	4.529	Pass
		1732.5	25	0	4.567	Pass

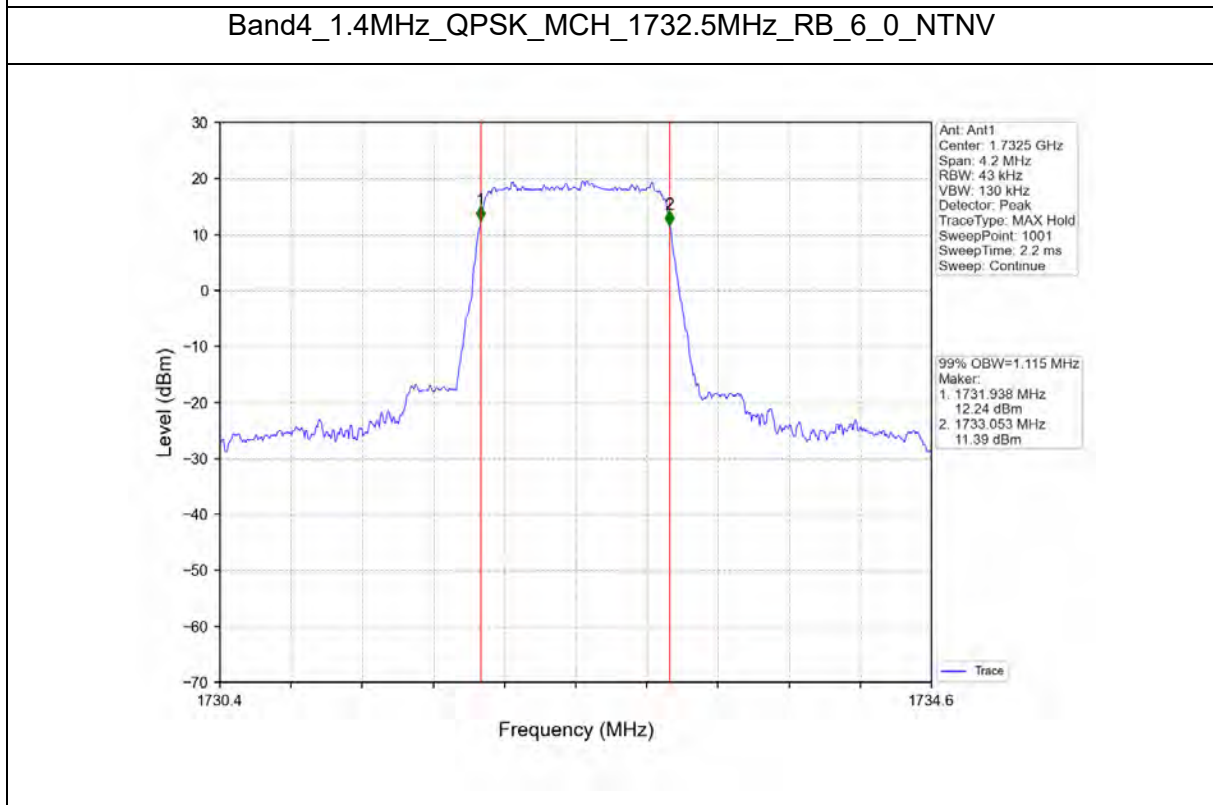
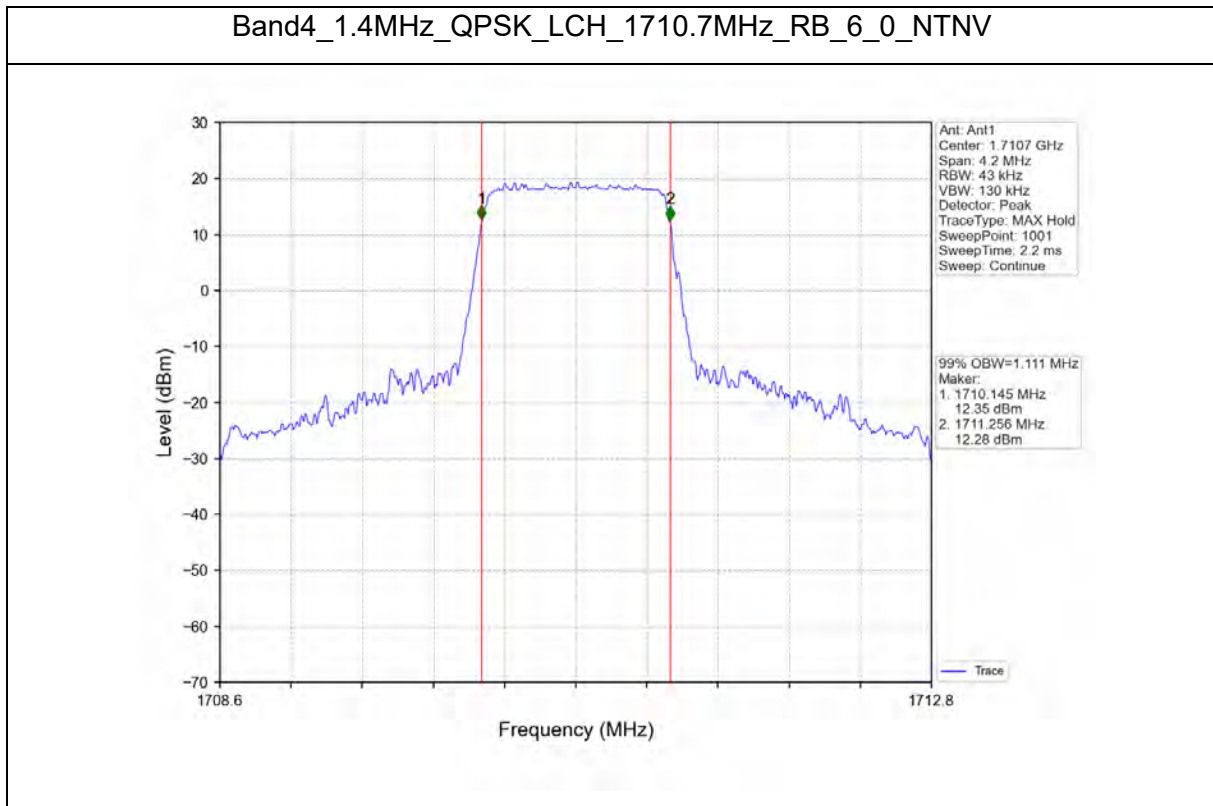


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VERITAS

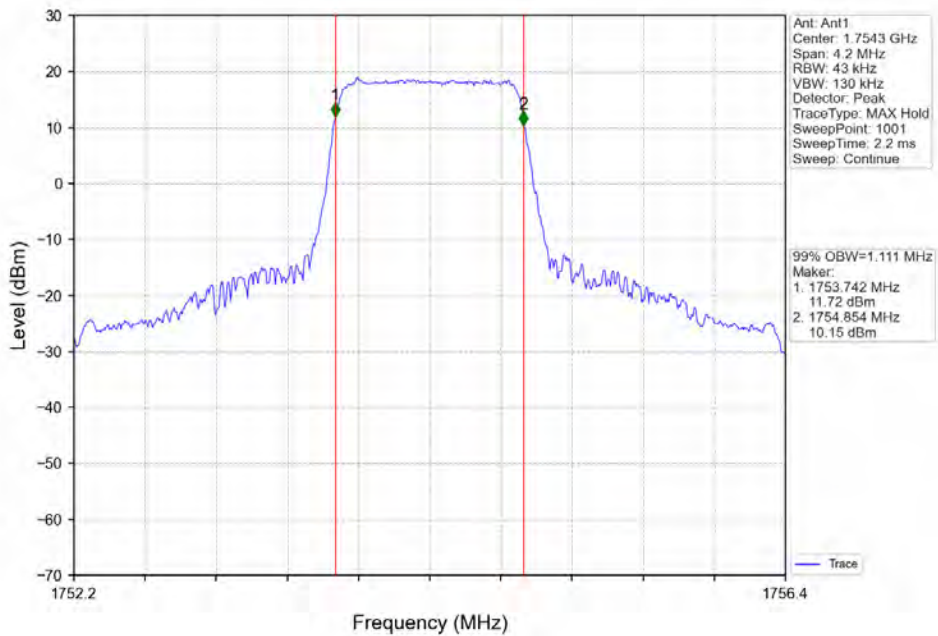
Test Report No.: W7L-P21100026RF15

	64QAM	1752.5	25	0	4.554	Pass	
		1712.5	25	0	4.545	Pass	
		1732.5	25	0	4.540	Pass	
		1752.5	25	0	4.538	Pass	
10	QPSK	1715	50	0	9.043	Pass	
		1732.5	50	0	9.042	Pass	
		1750	50	0	9.033	Pass	
	16QAM	1715	50	0	9.030	Pass	
		1732.5	50	0	9.025	Pass	
		1750	50	0	9.044	Pass	
	64QAM	1715	50	0	9.062	Pass	
		1732.5	50	0	9.055	Pass	
		1750	50	0	9.032	Pass	
	15	QPSK	1717.5	75	0	13.587	Pass
			1732.5	75	0	13.540	Pass
			1747.5	75	0	13.551	Pass
16QAM		1717.5	75	0	13.550	Pass	
		1732.5	75	0	13.564	Pass	
		1747.5	75	0	13.592	Pass	
64QAM		1717.5	75	0	13.581	Pass	
		1732.5	75	0	13.592	Pass	
		1747.5	75	0	13.582	Pass	
20		QPSK	1720	100	0	18.090	Pass
			1732.5	100	0	18.065	Pass
			1745	100	0	18.084	Pass
	16QAM	1720	100	0	18.116	Pass	
		1732.5	100	0	18.057	Pass	
		1745	100	0	18.101	Pass	
	64QAM	1720	100	0	18.057	Pass	
		1732.5	100	0	18.059	Pass	
		1745	100	0	18.067	Pass	

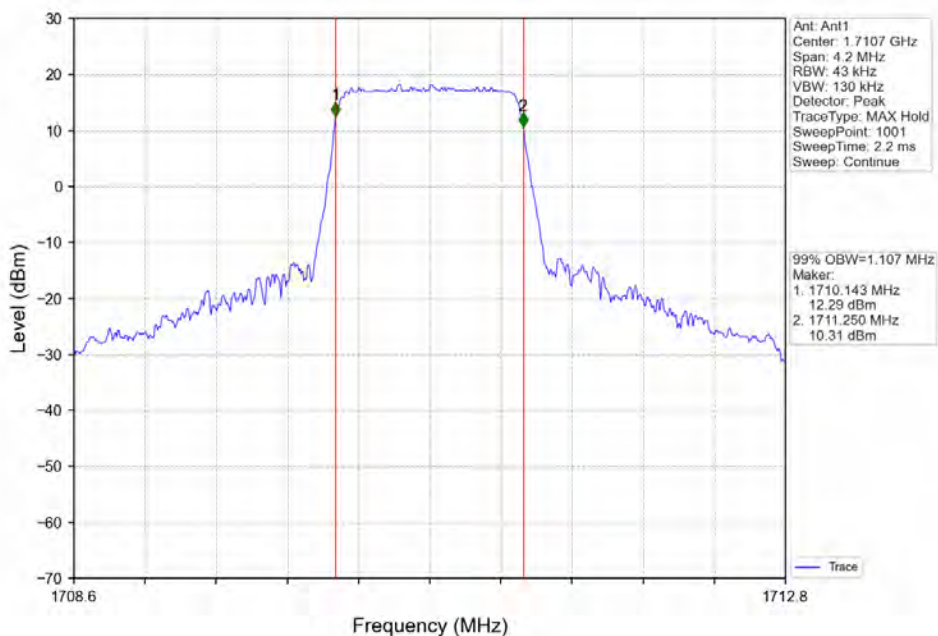
TEST GRAPH



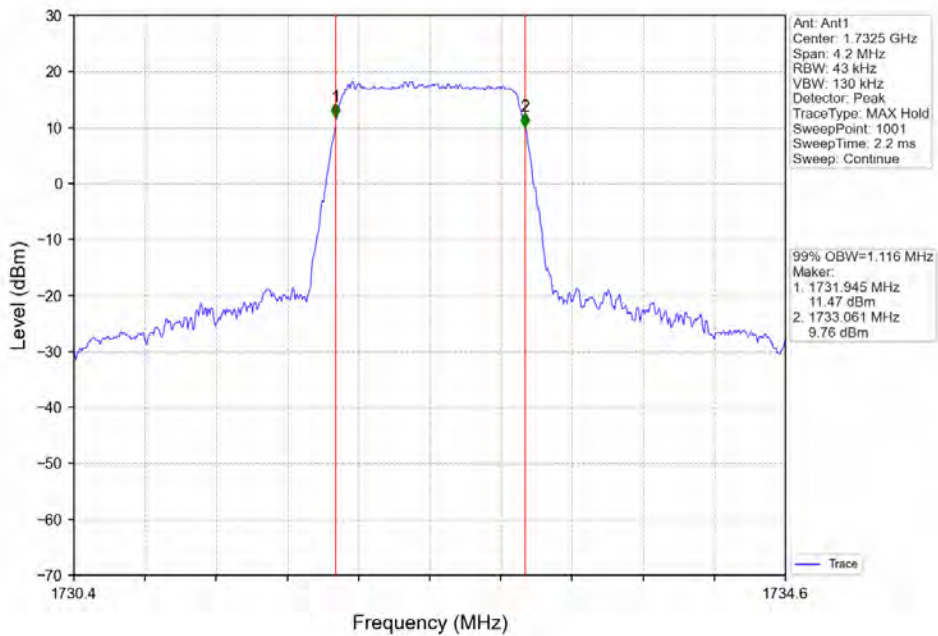
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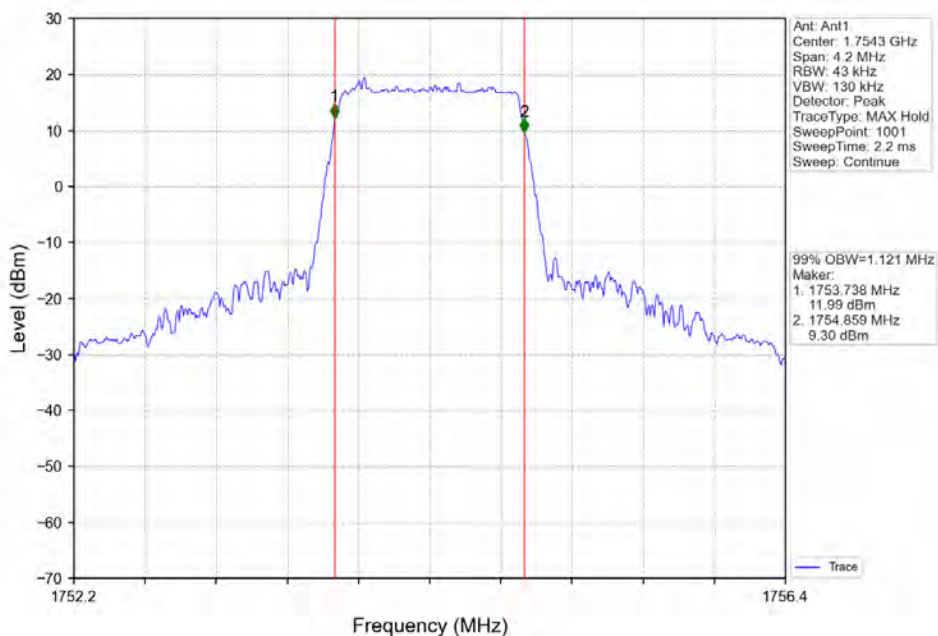
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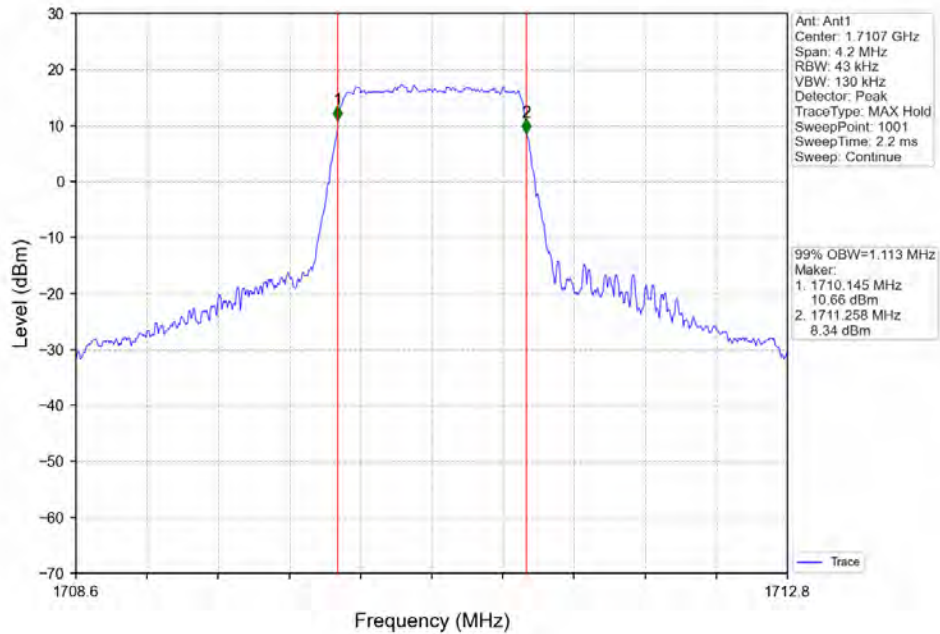
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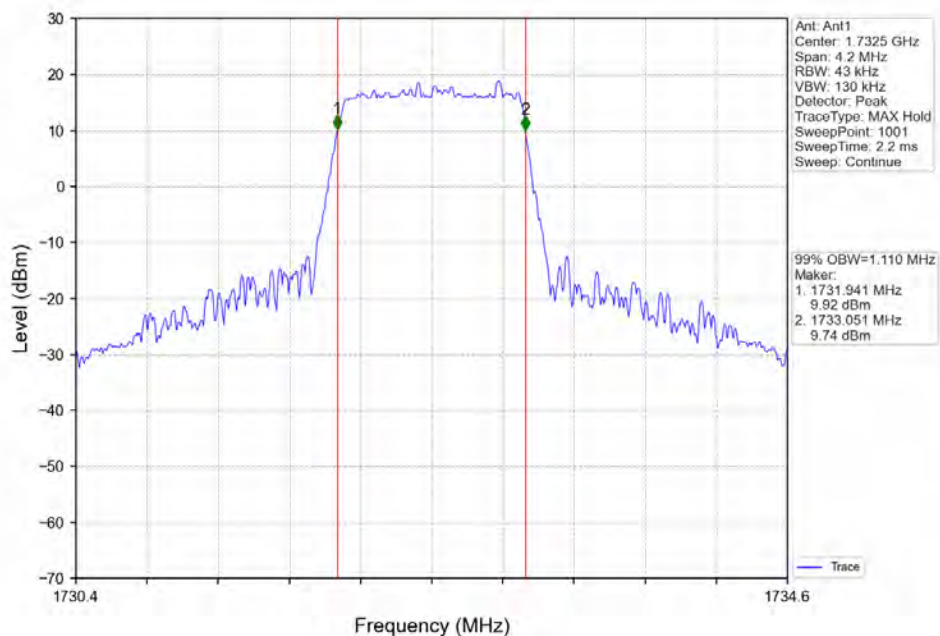
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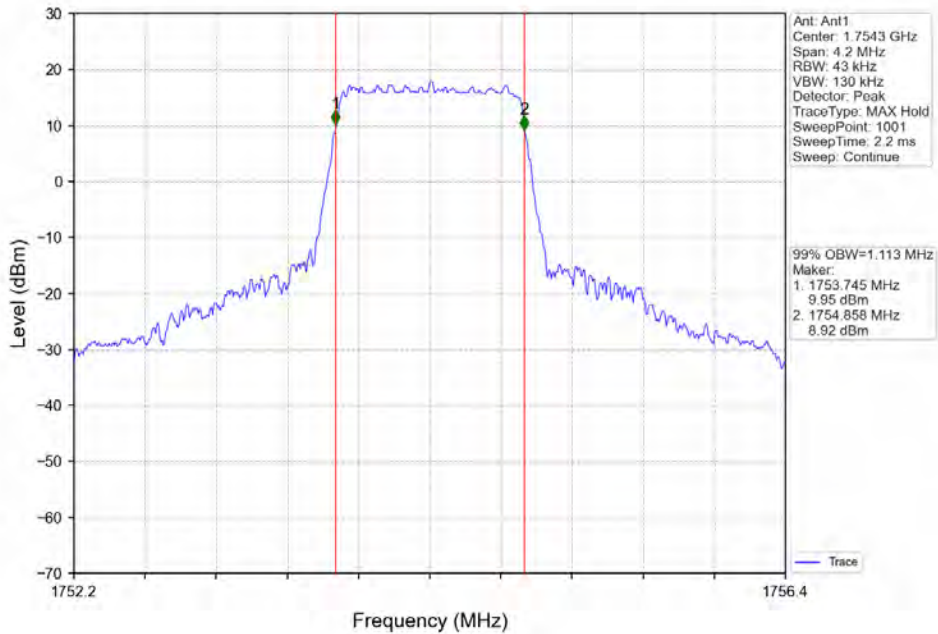
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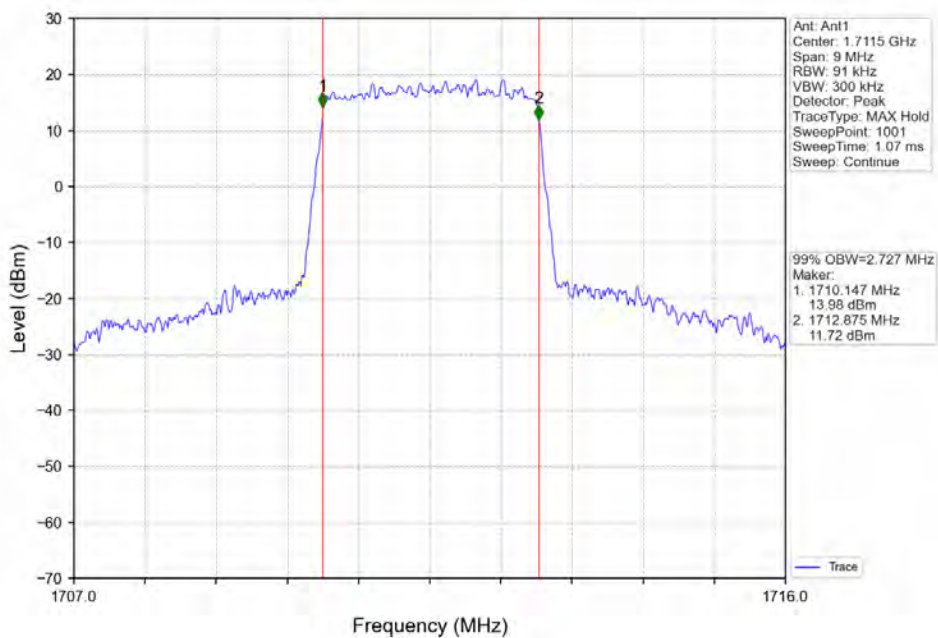
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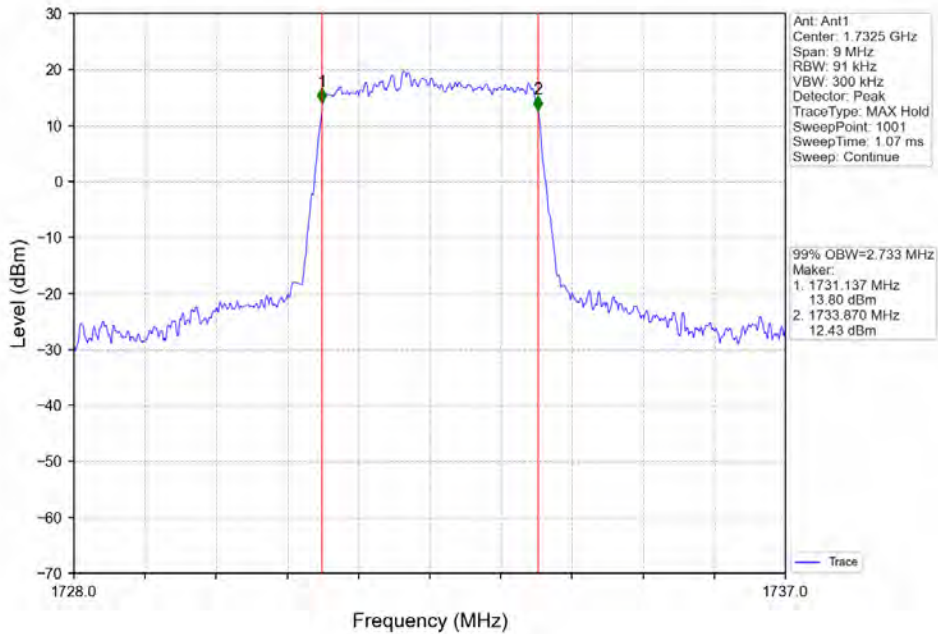
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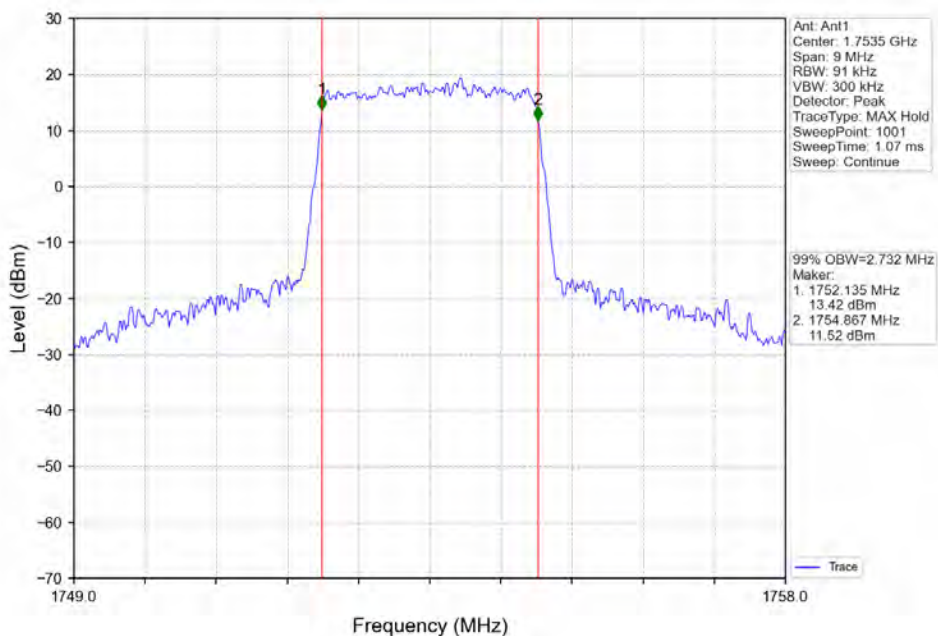
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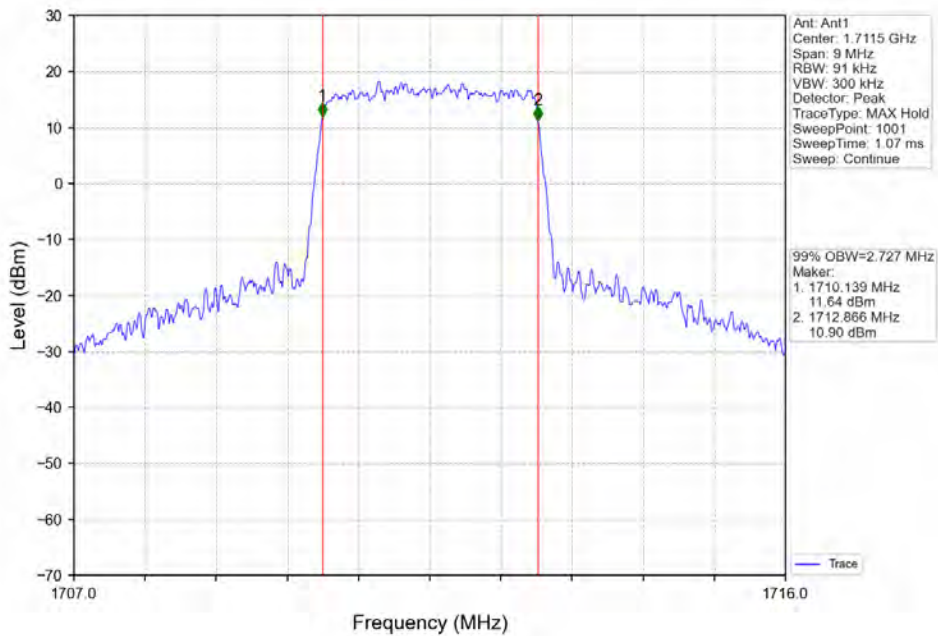
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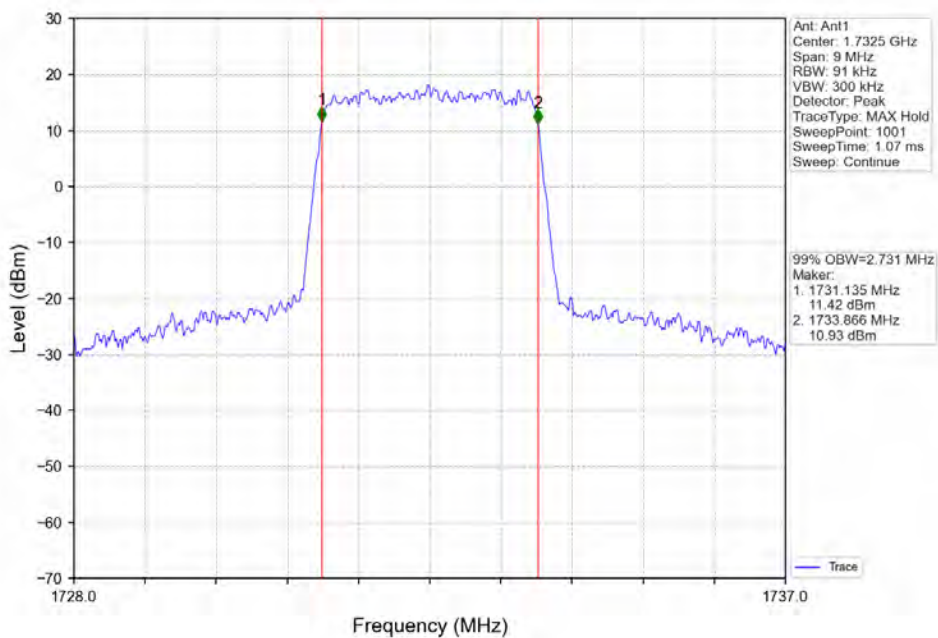
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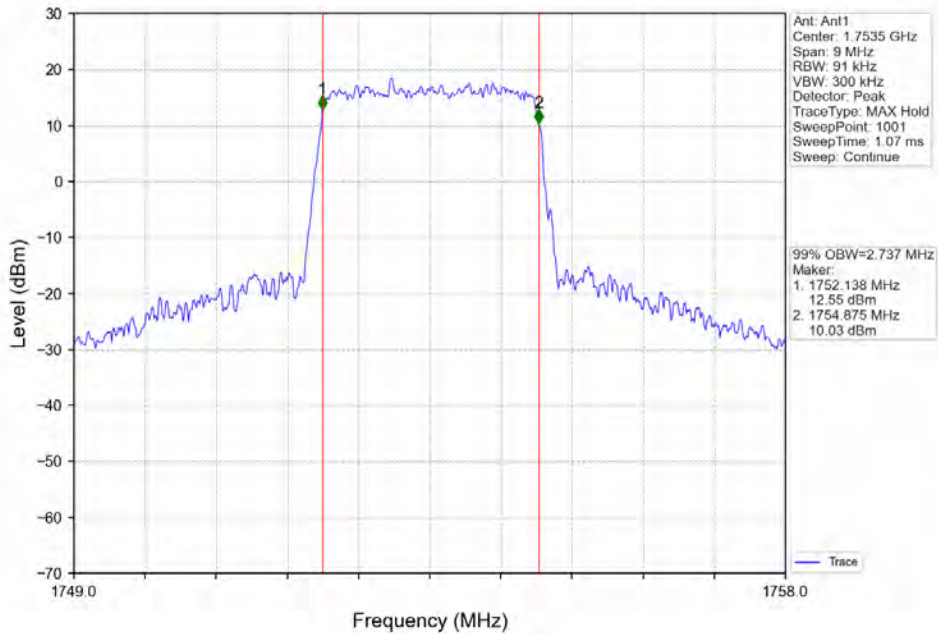
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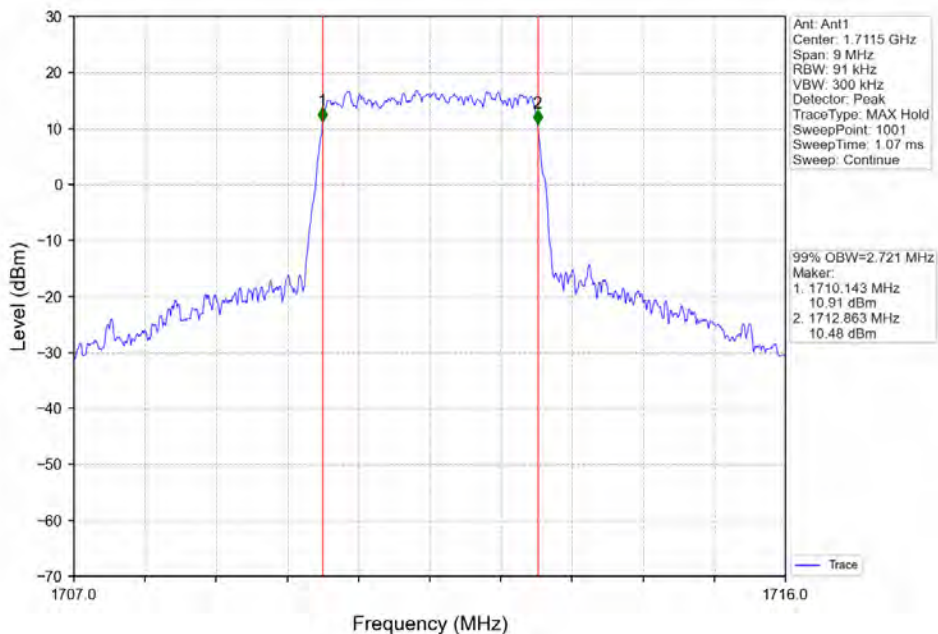
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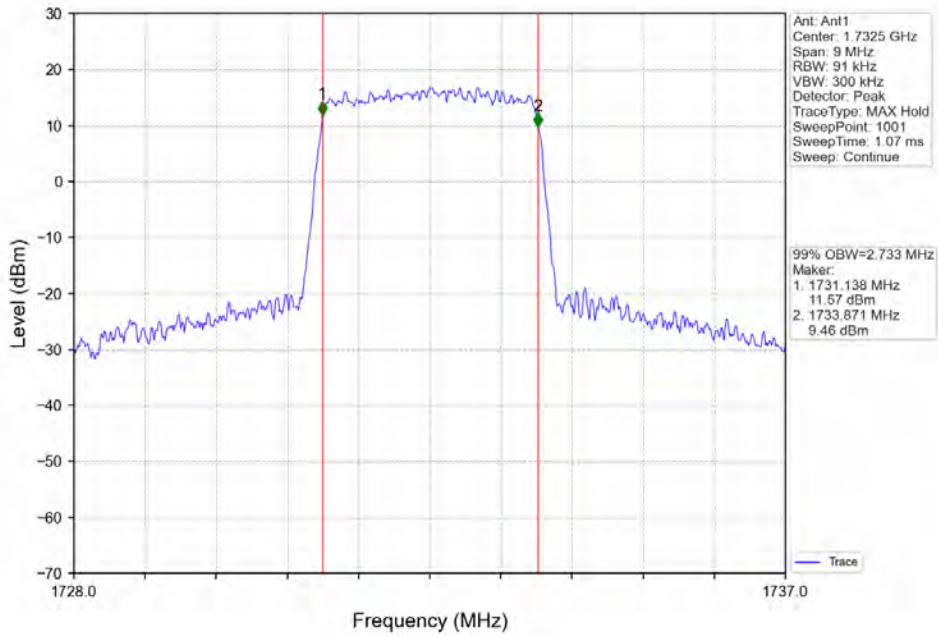
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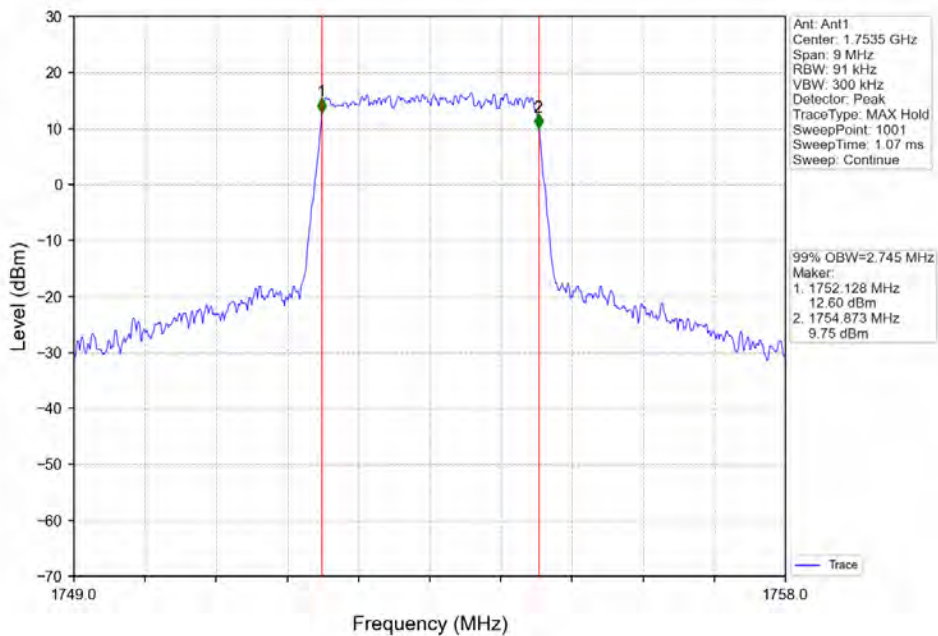
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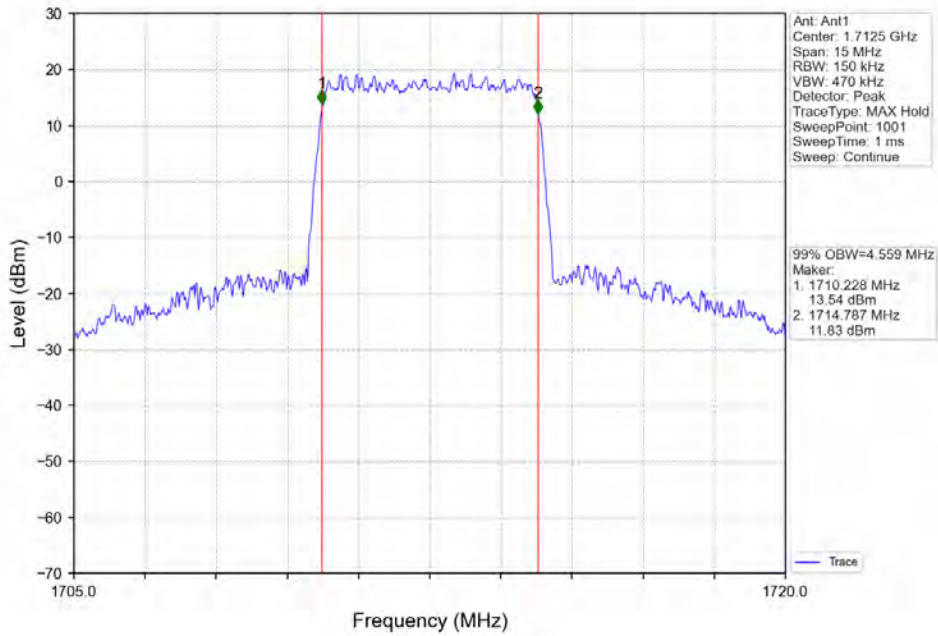
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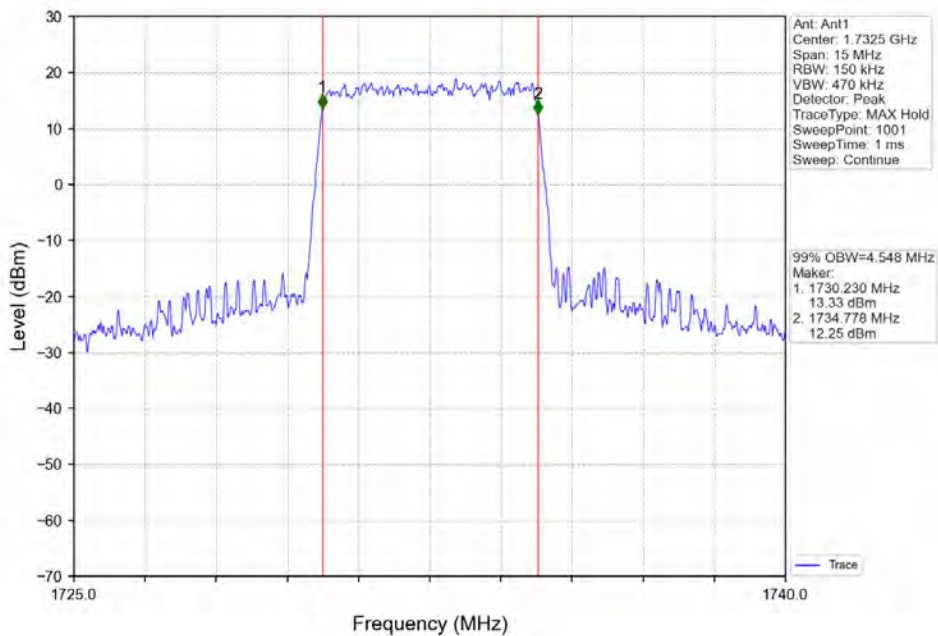
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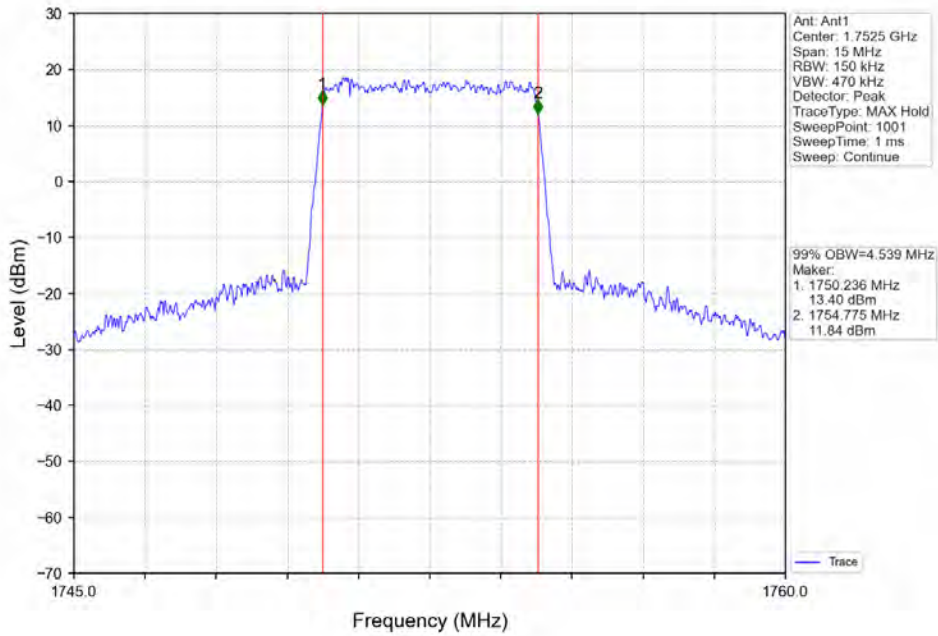
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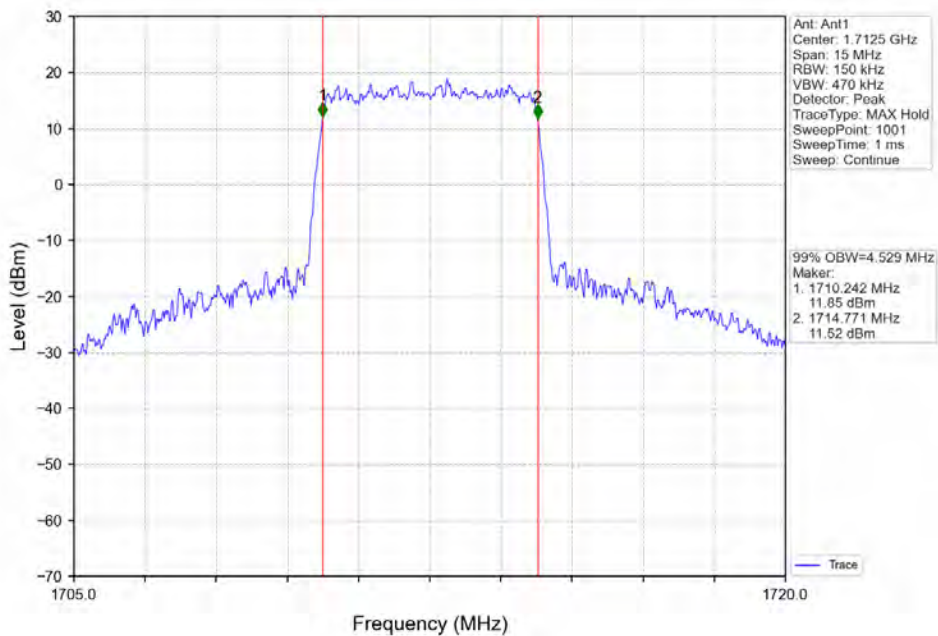
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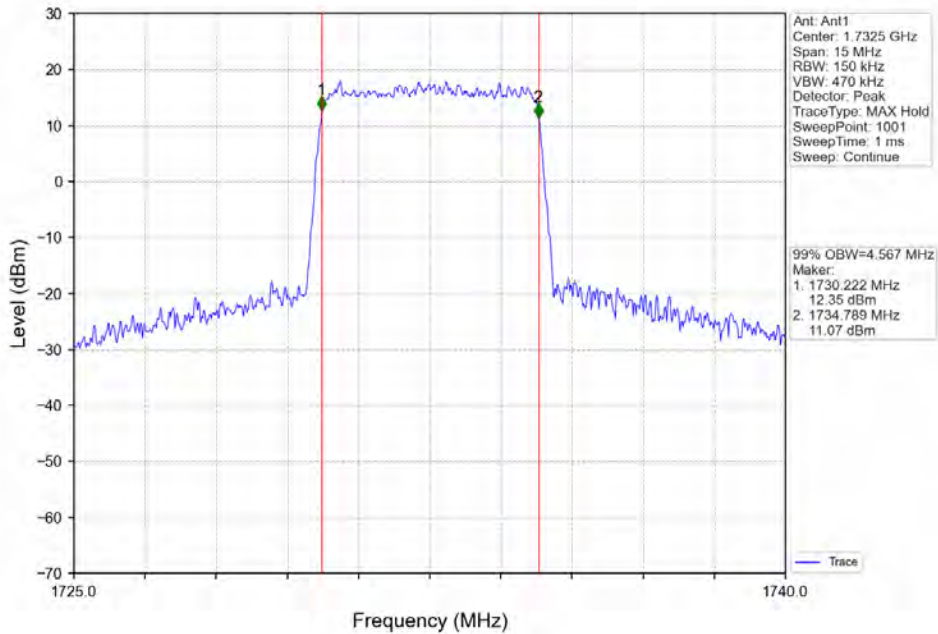
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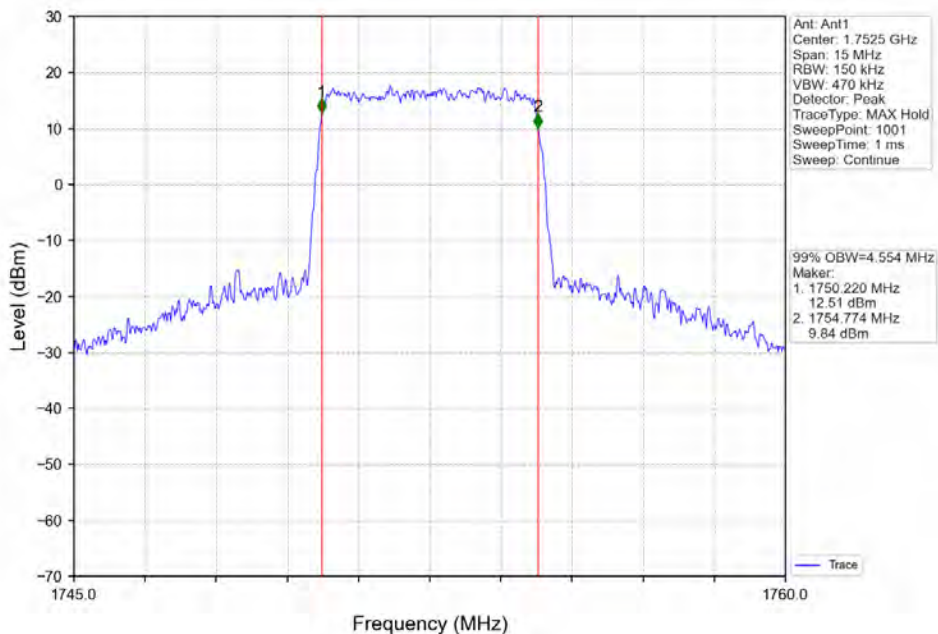
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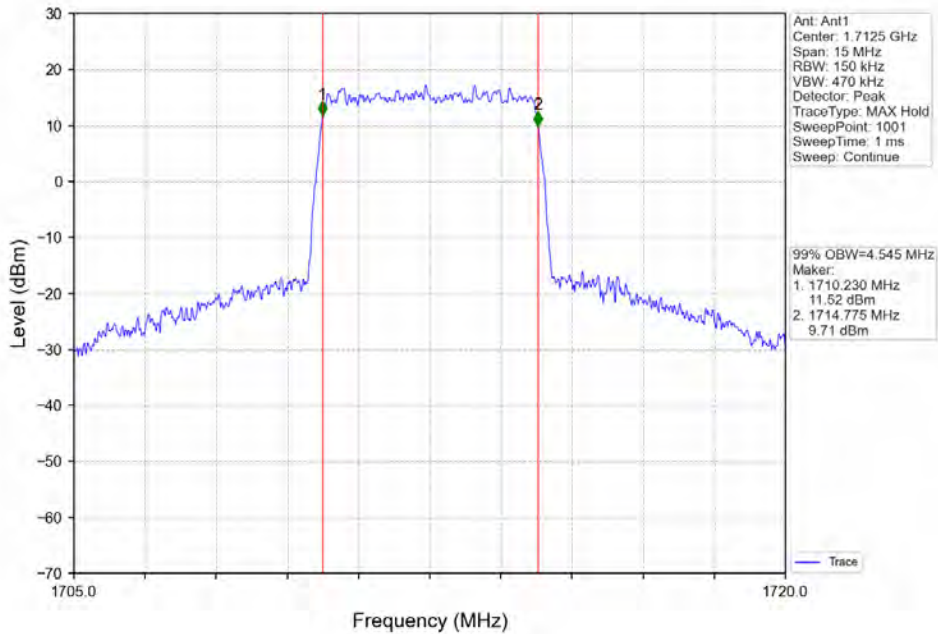
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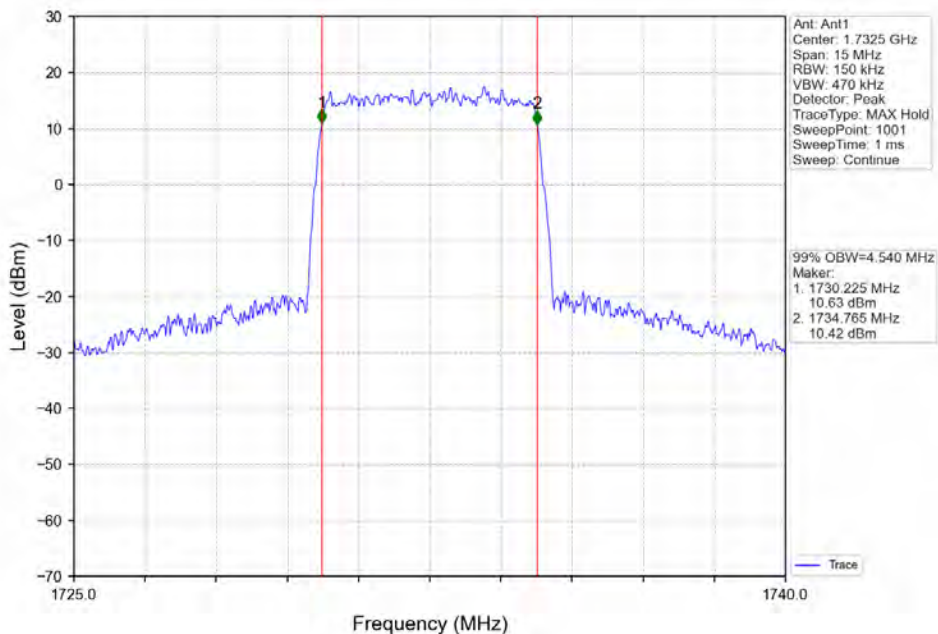
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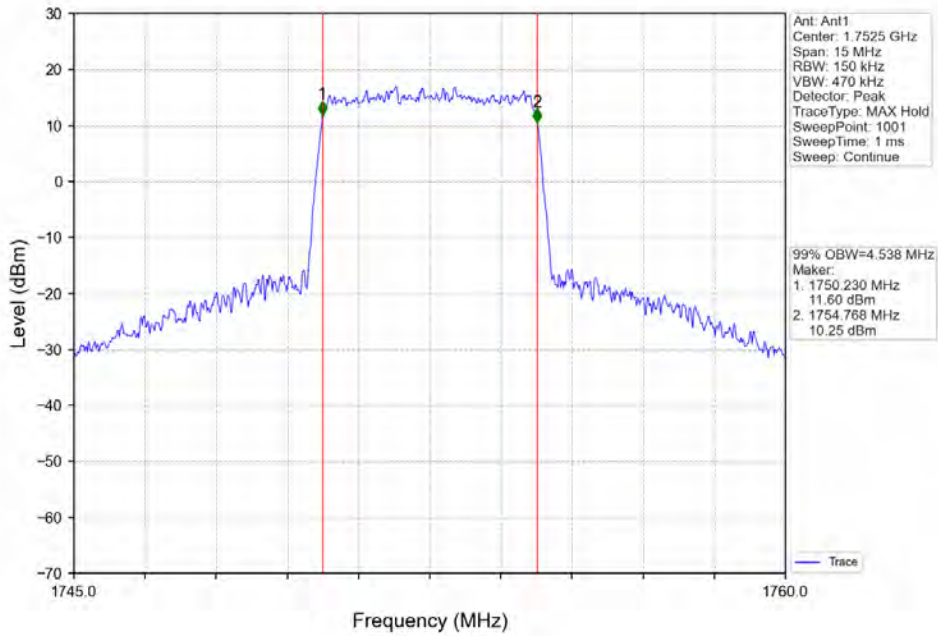
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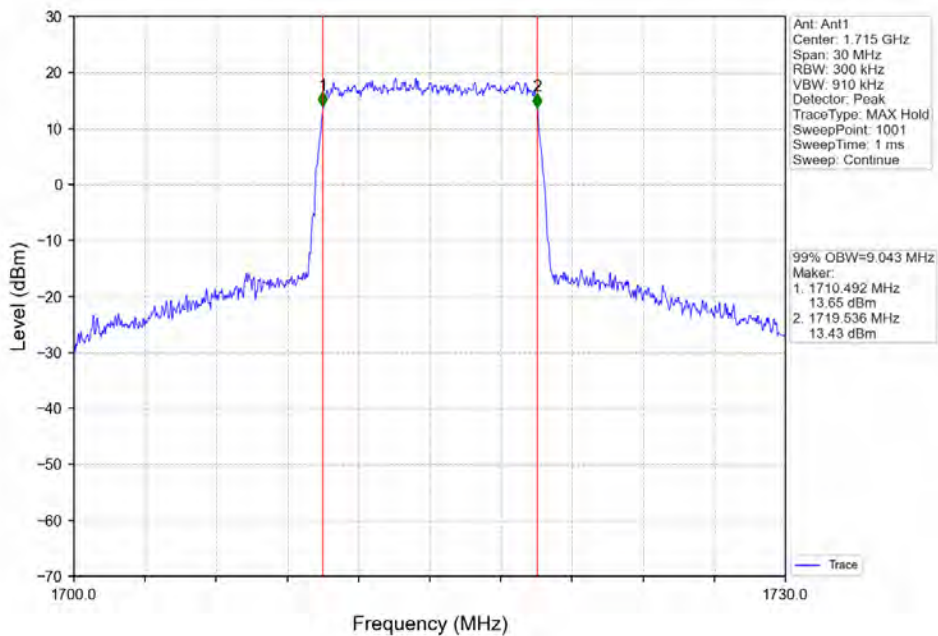
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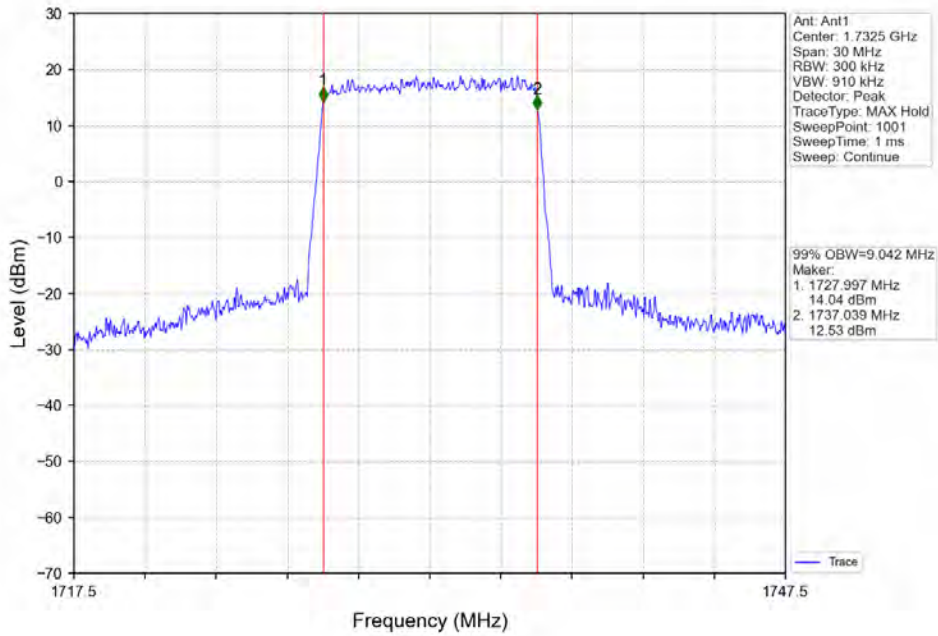
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



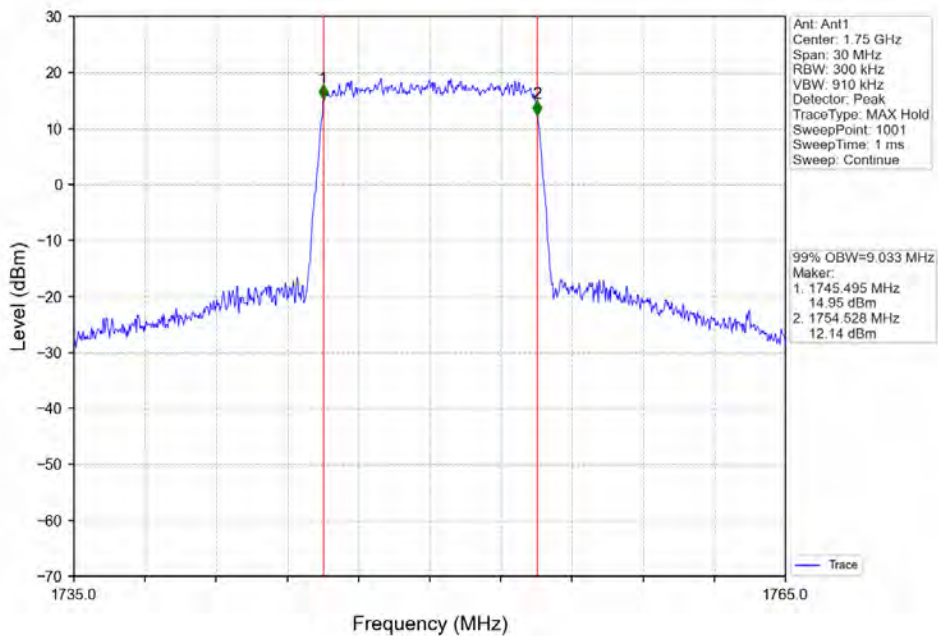
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



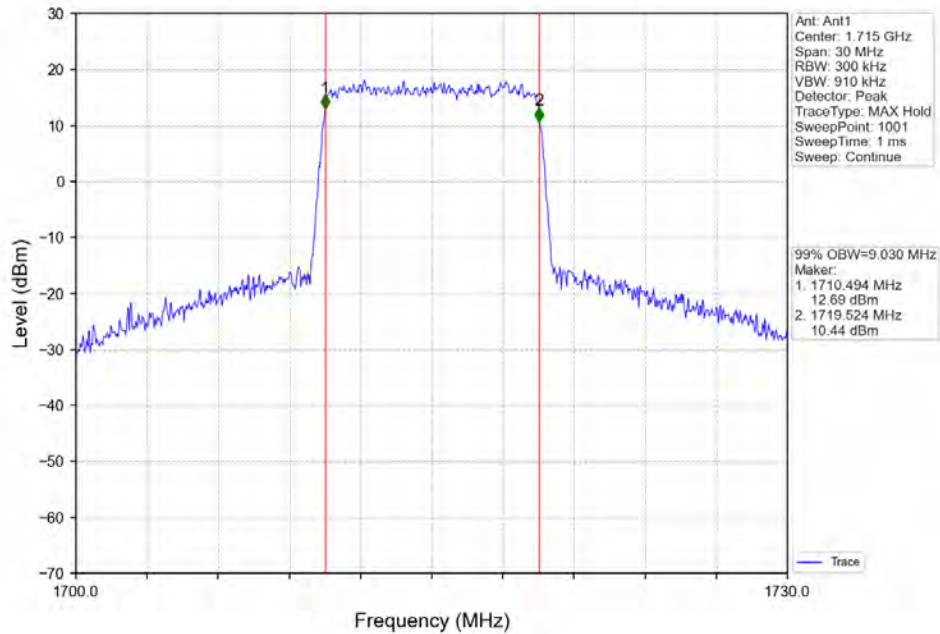
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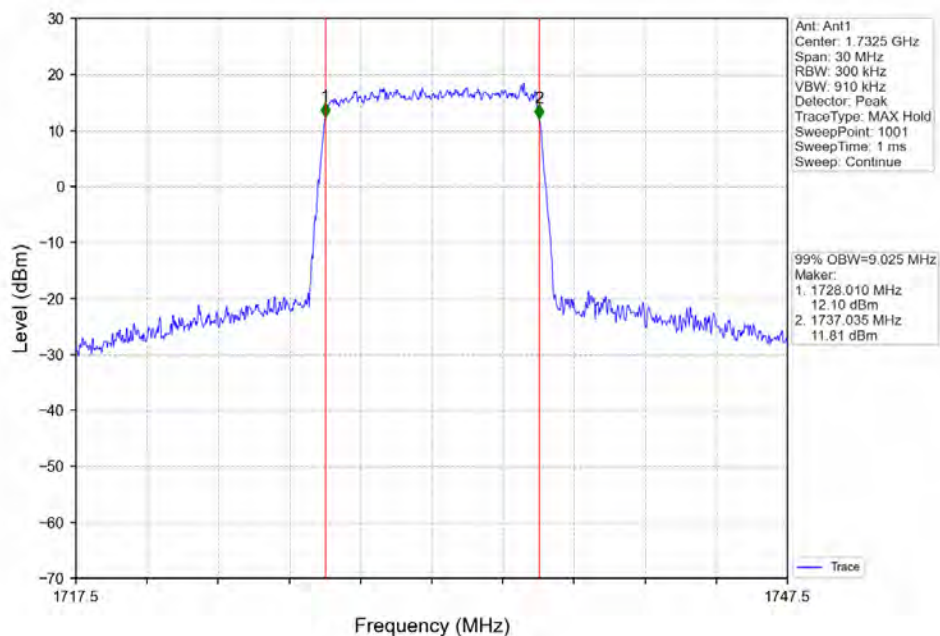
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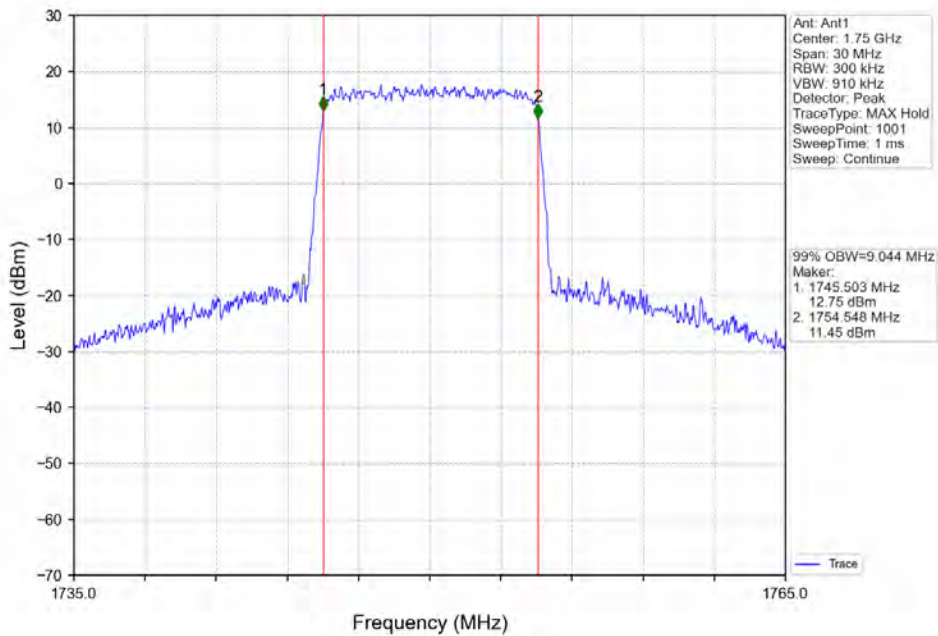
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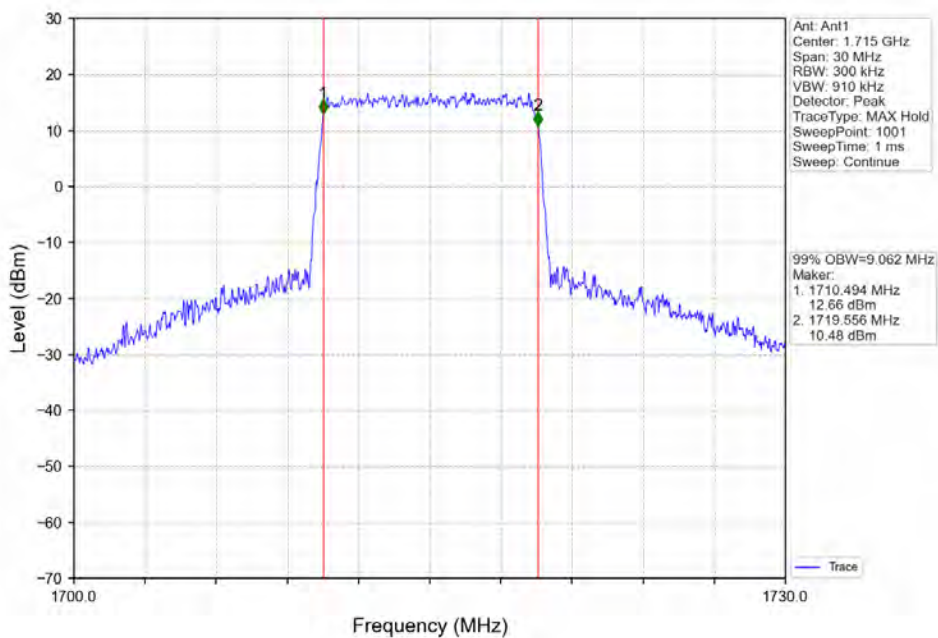
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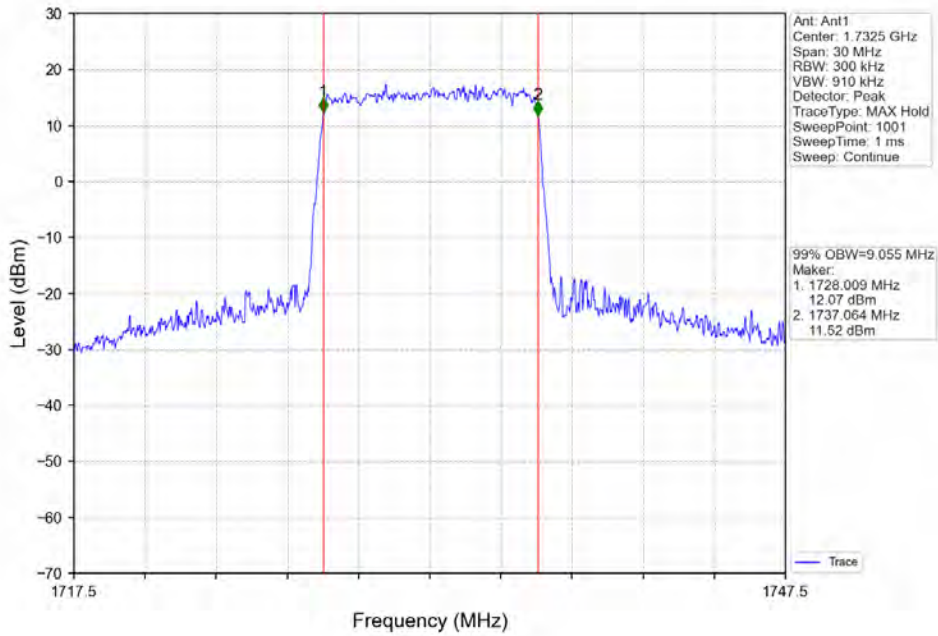
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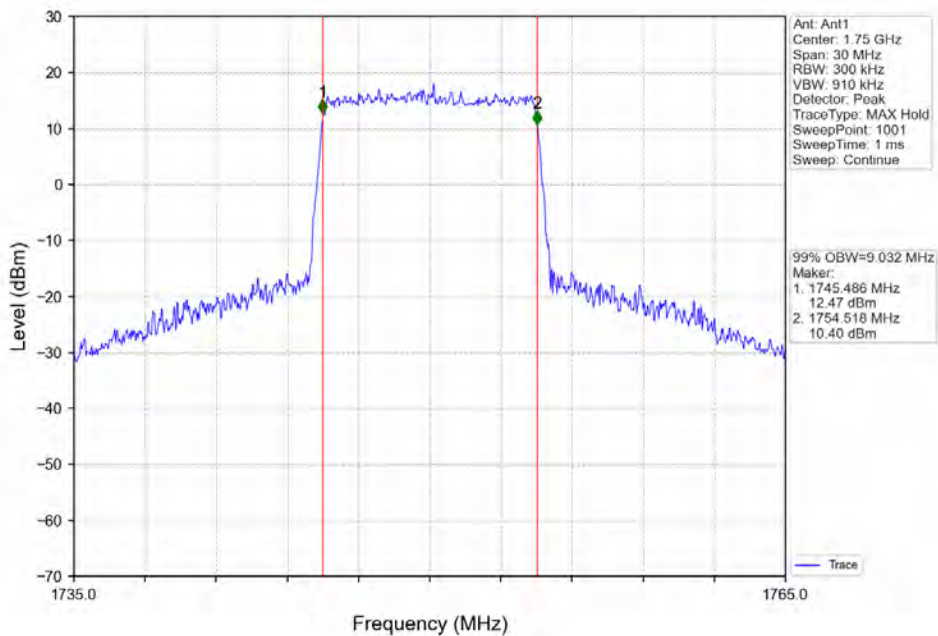
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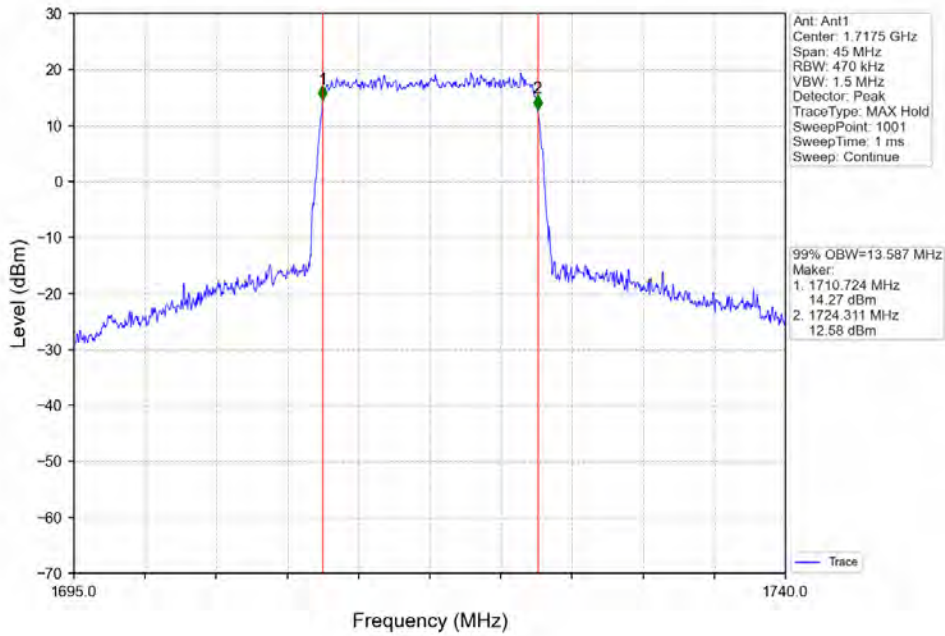
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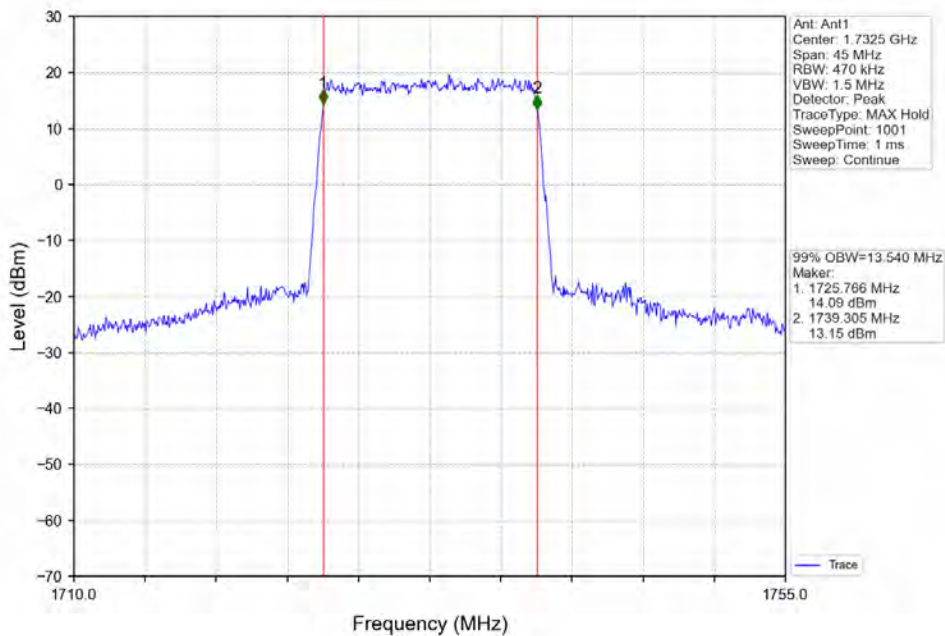
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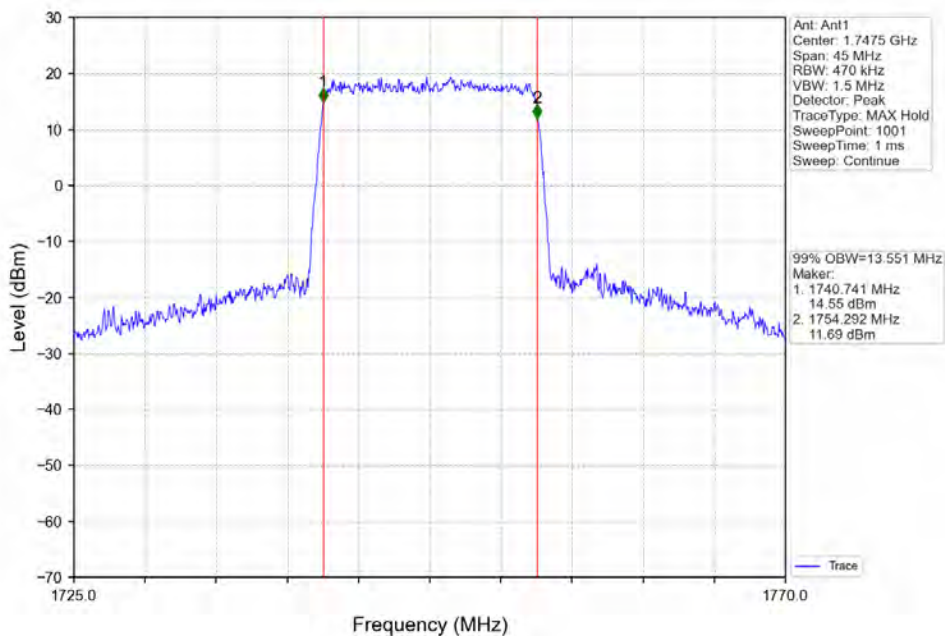
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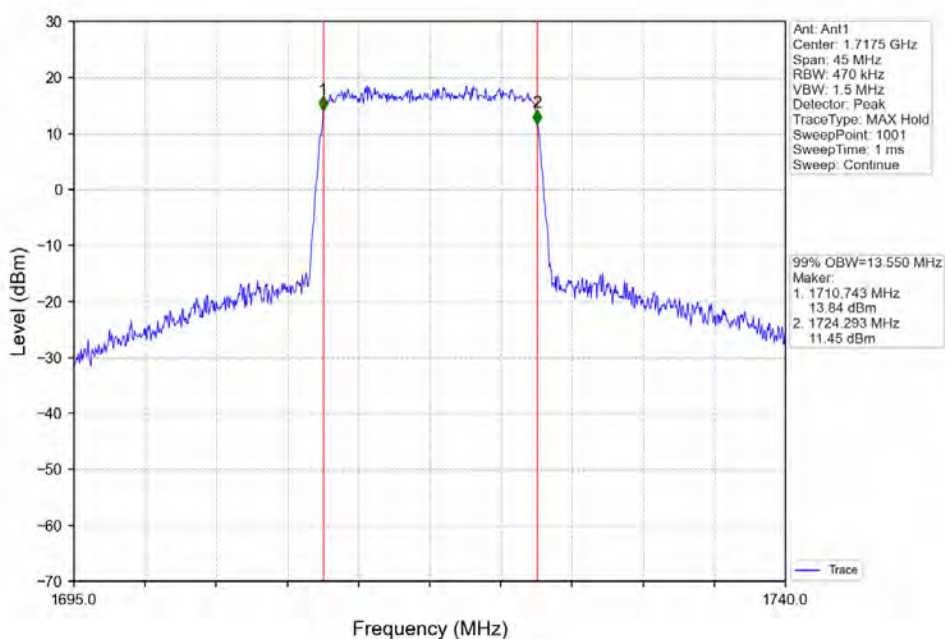
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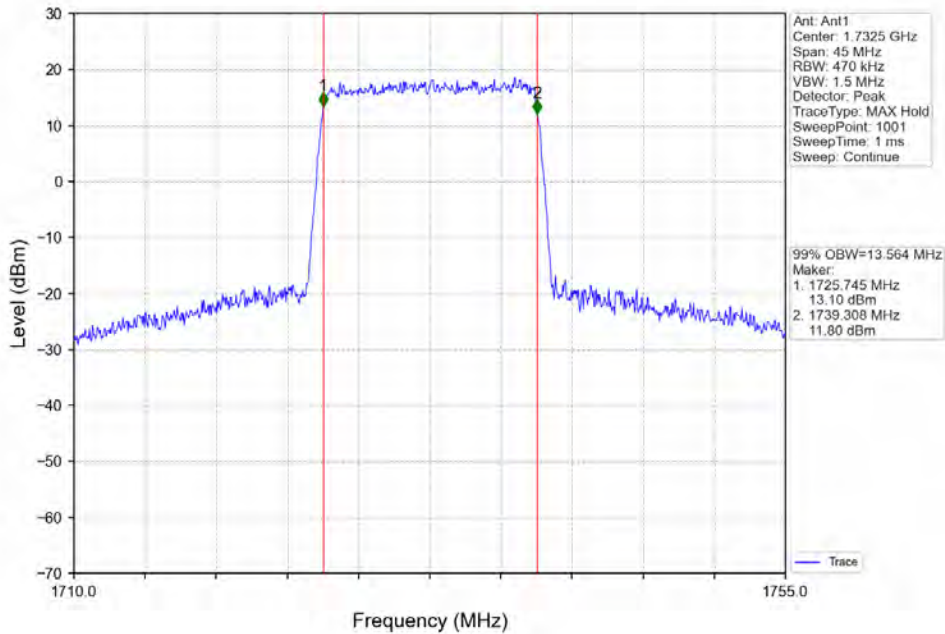
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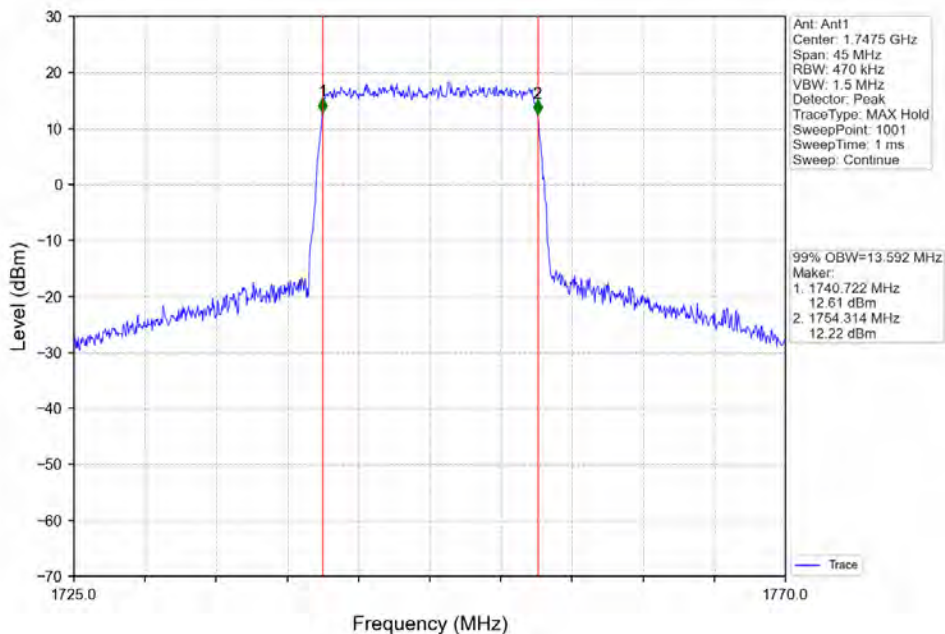
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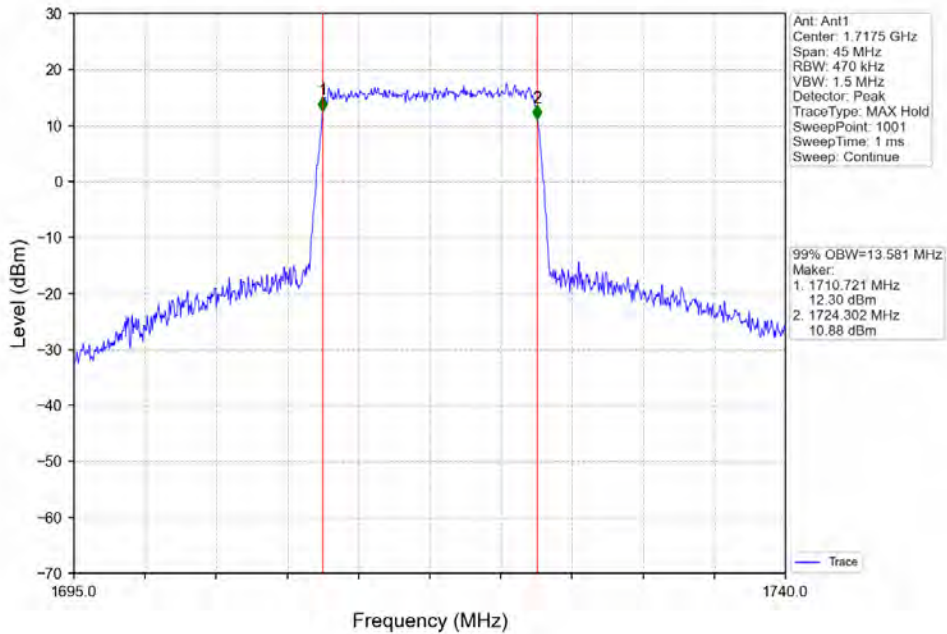
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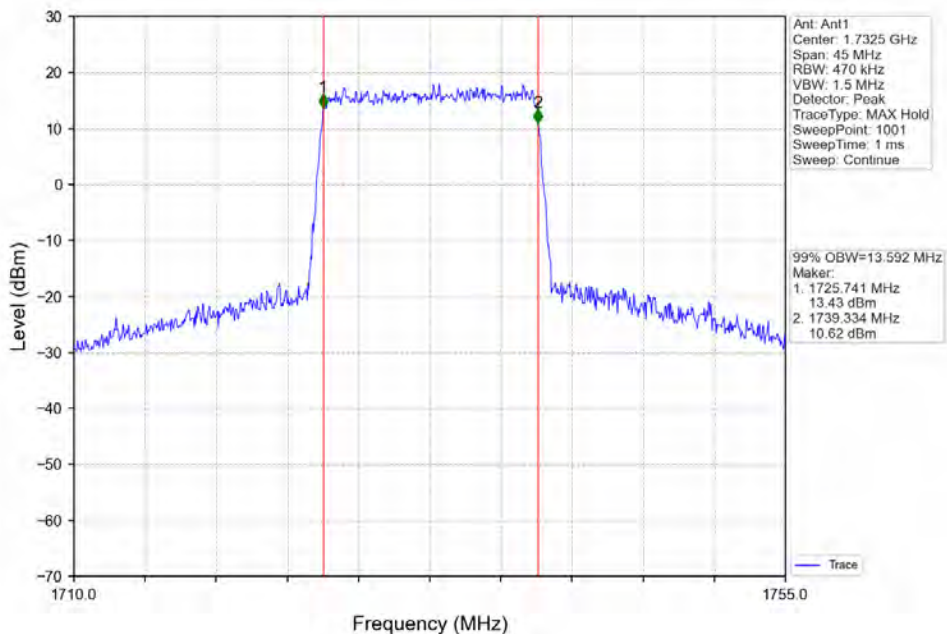
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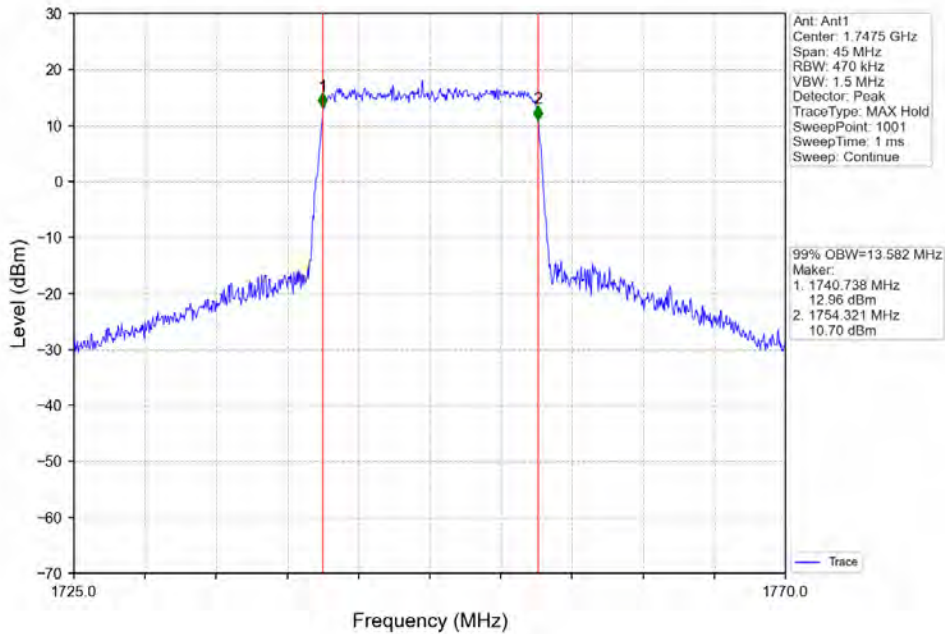
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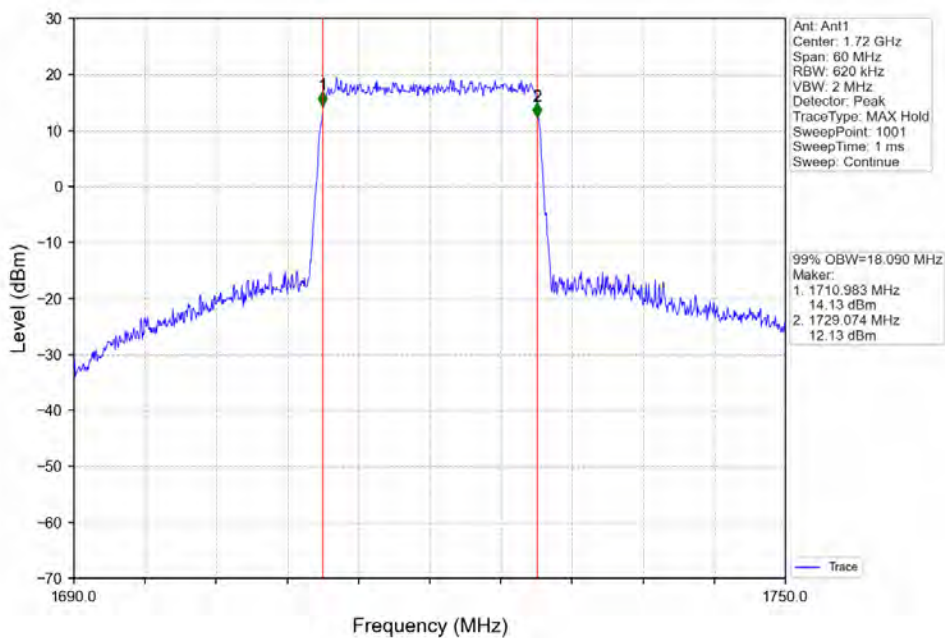
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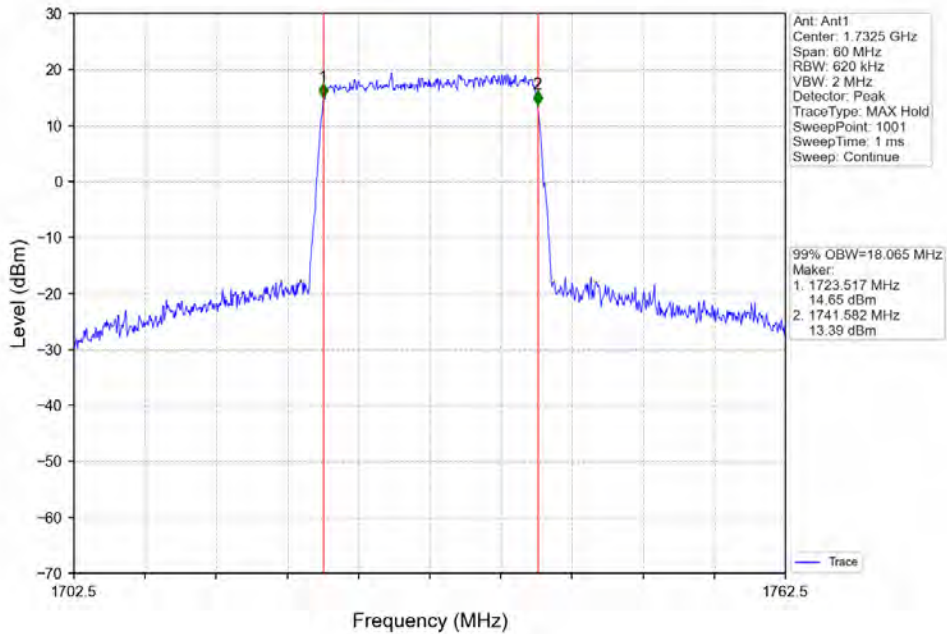
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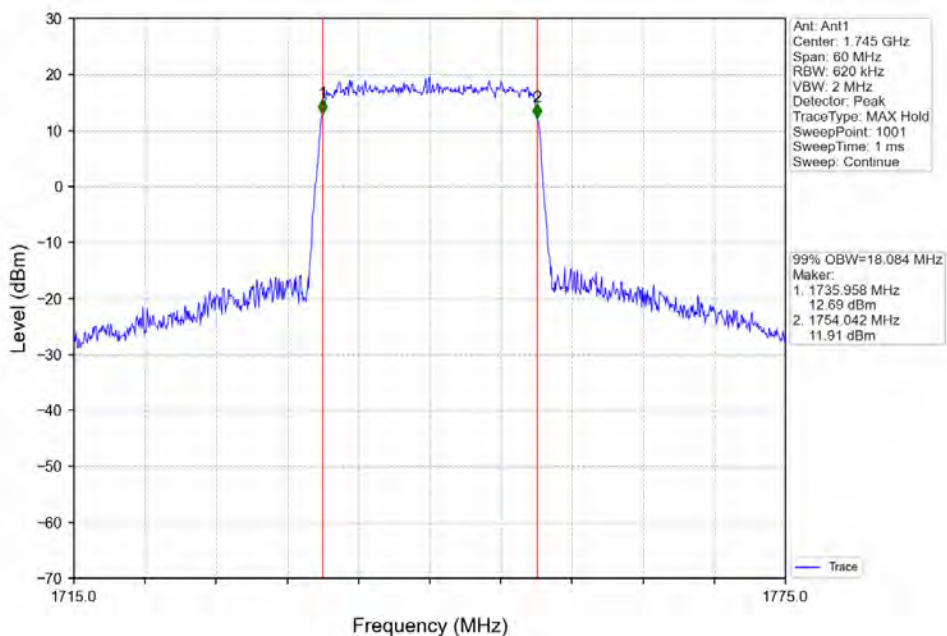
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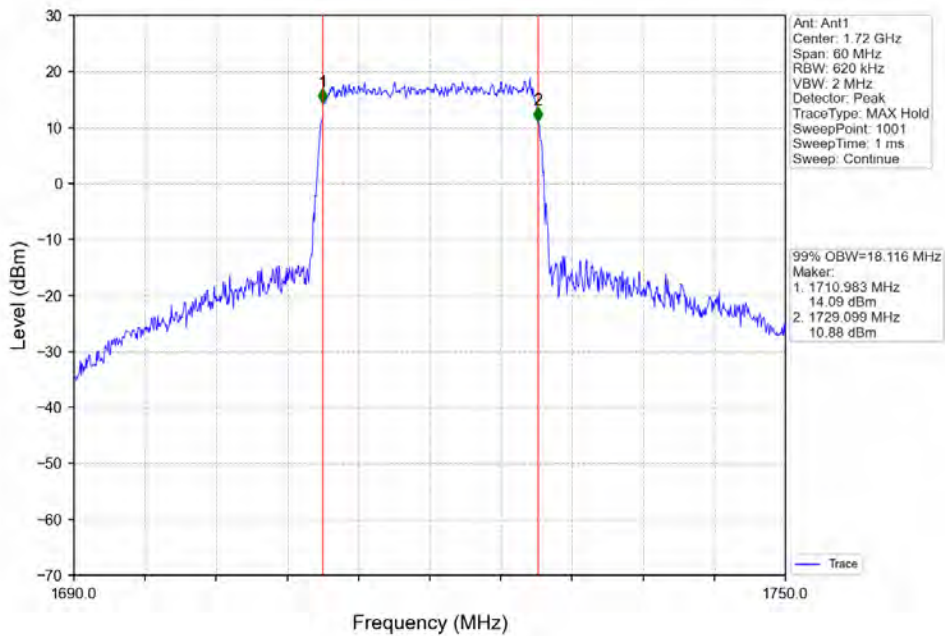
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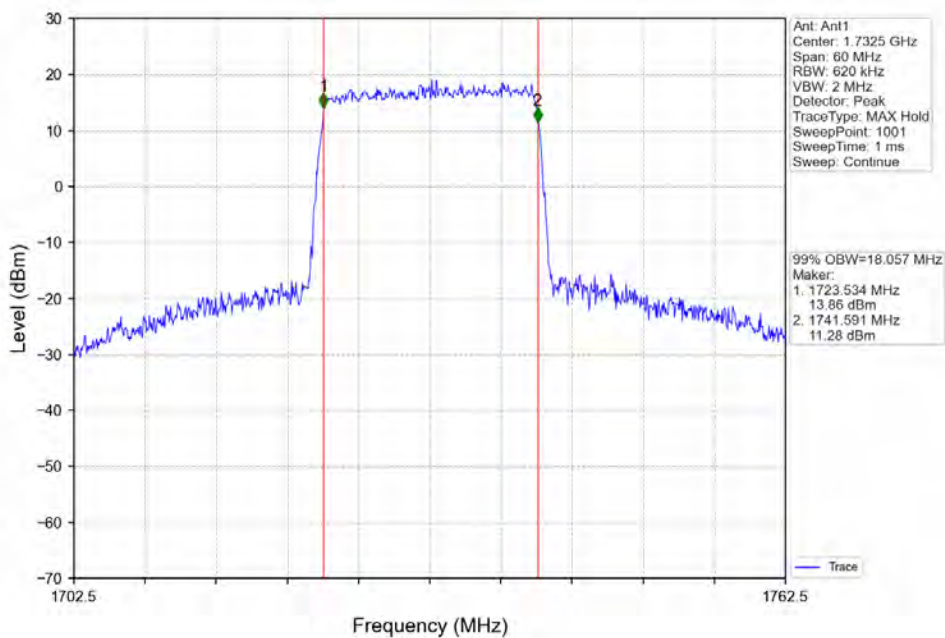
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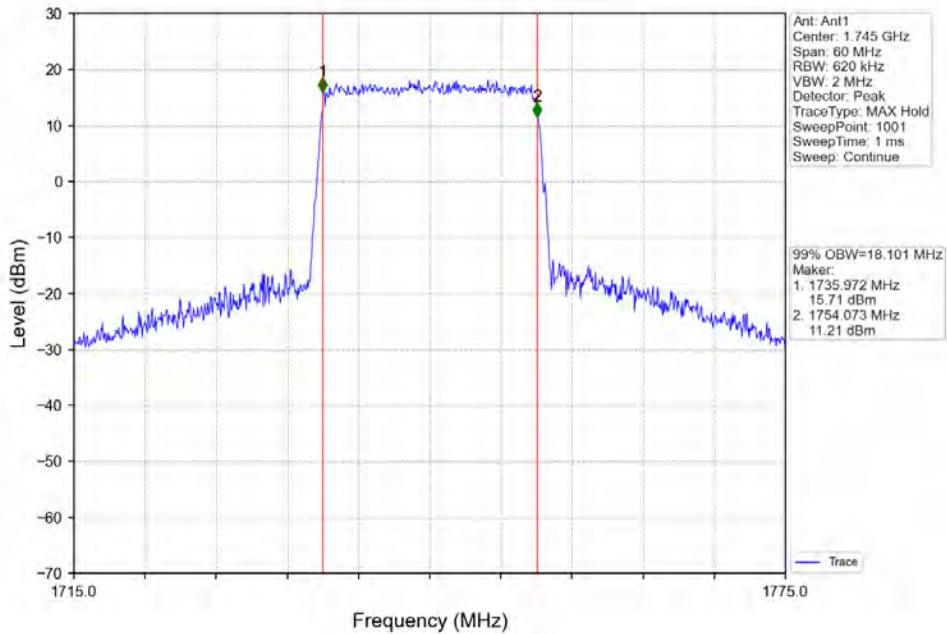
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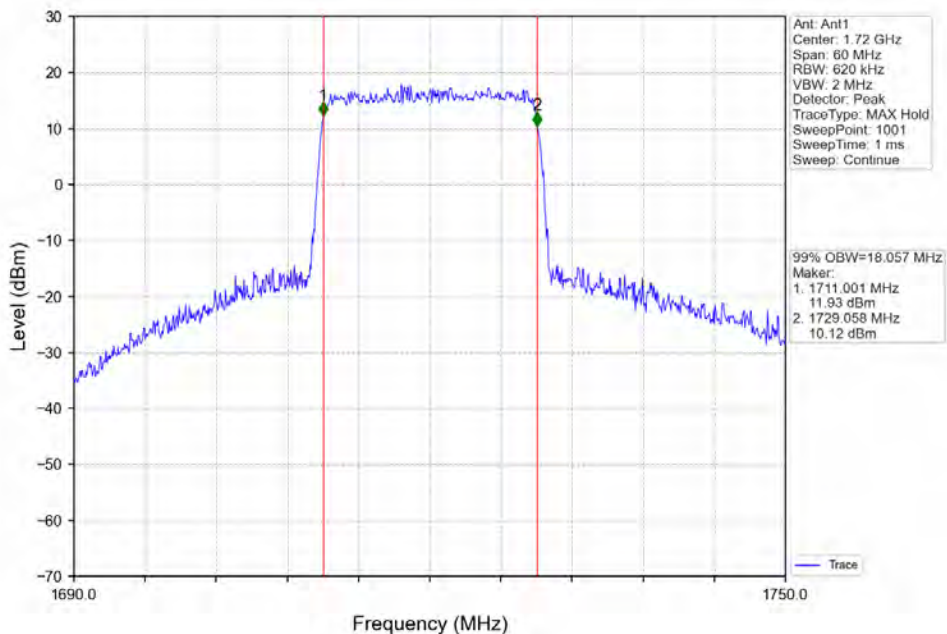
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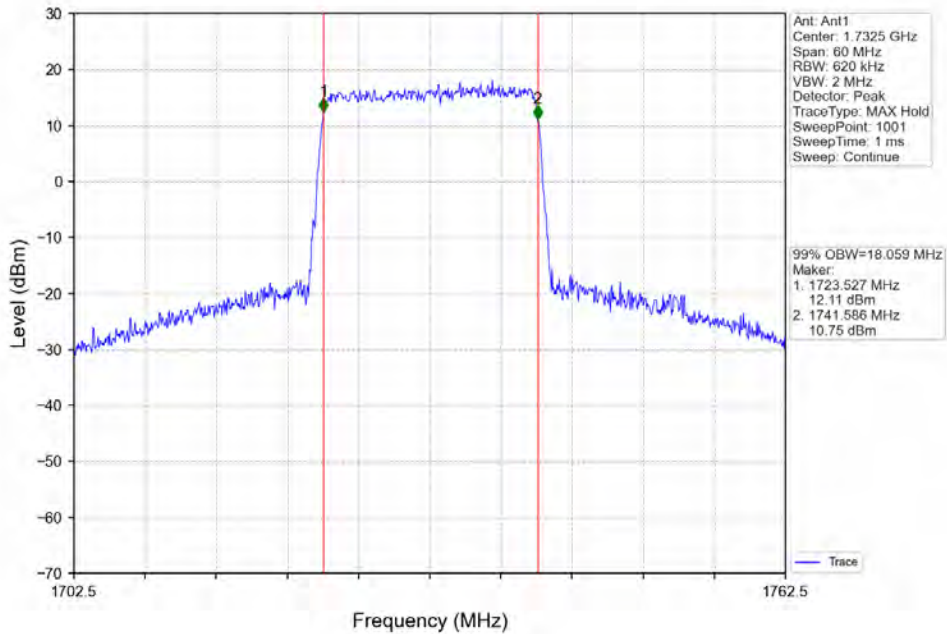
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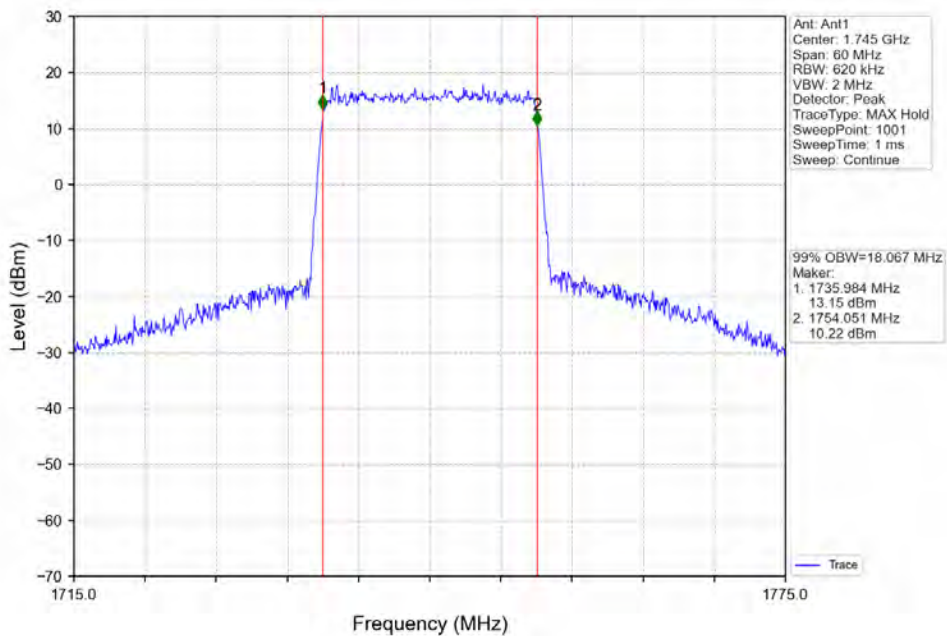
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Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV





**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

BAND4_XDB

TEST RESULT

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz) Result	Verdict
			Size	Offset		
1.4	QPSK	1710.7	6	0	1.306	Pass
		1732.5	6	0	1.298	Pass
		1754.3	6	0	1.308	Pass
	16QAM	1710.7	6	0	1.297	Pass
		1732.5	6	0	1.312	Pass
		1754.3	6	0	1.299	Pass
	64QAM	1710.7	6	0	1.325	Pass
		1732.5	6	0	1.302	Pass
		1754.3	6	0	1.298	Pass
3	QPSK	1711.5	15	0	3.035	Pass
		1732.5	15	0	3.045	Pass
		1753.5	15	0	3.036	Pass
	16QAM	1711.5	15	0	3.031	Pass
		1732.5	15	0	3.046	Pass
		1753.5	15	0	3.070	Pass
	64QAM	1711.5	15	0	3.040	Pass
		1732.5	15	0	3.038	Pass
		1753.5	15	0	3.052	Pass
5	QPSK	1712.5	25	0	5.002	Pass
		1732.5	25	0	5.004	Pass
		1752.5	25	0	5.019	Pass
	16QAM	1712.5	25	0	5.008	Pass
		1732.5	25	0	4.990	Pass
		1752.5	25	0	5.010	Pass
	64QAM	1712.5	25	0	4.991	Pass
		1732.5	25	0	5.006	Pass
		1752.5	25	0	4.978	Pass
10	QPSK	1715	50	0	9.904	Pass
		1732.5	50	0	9.894	Pass
		1750	50	0	9.908	Pass
	16QAM	1715	50	0	9.853	Pass
		1732.5	50	0	9.931	Pass
		1750	50	0	9.888	Pass
	64QAM	1715	50	0	9.912	Pass
		1732.5	50	0	9.904	Pass
		1750	50	0	9.824	Pass
15	QPSK	1717.5	75	0	14.867	Pass
		1732.5	75	0	14.827	Pass
		1747.5	75	0	14.837	Pass
	16QAM	1717.5	75	0	14.878	Pass
		1732.5	75	0	14.850	Pass
		1747.5	75	0	14.791	Pass
	64QAM	1717.5	75	0	14.828	Pass
		1732.5	75	0	14.852	Pass
		1747.5	75	0	14.821	Pass
20	QPSK	1720	100	0	19.682	Pass
		1732.5	100	0	19.715	Pass

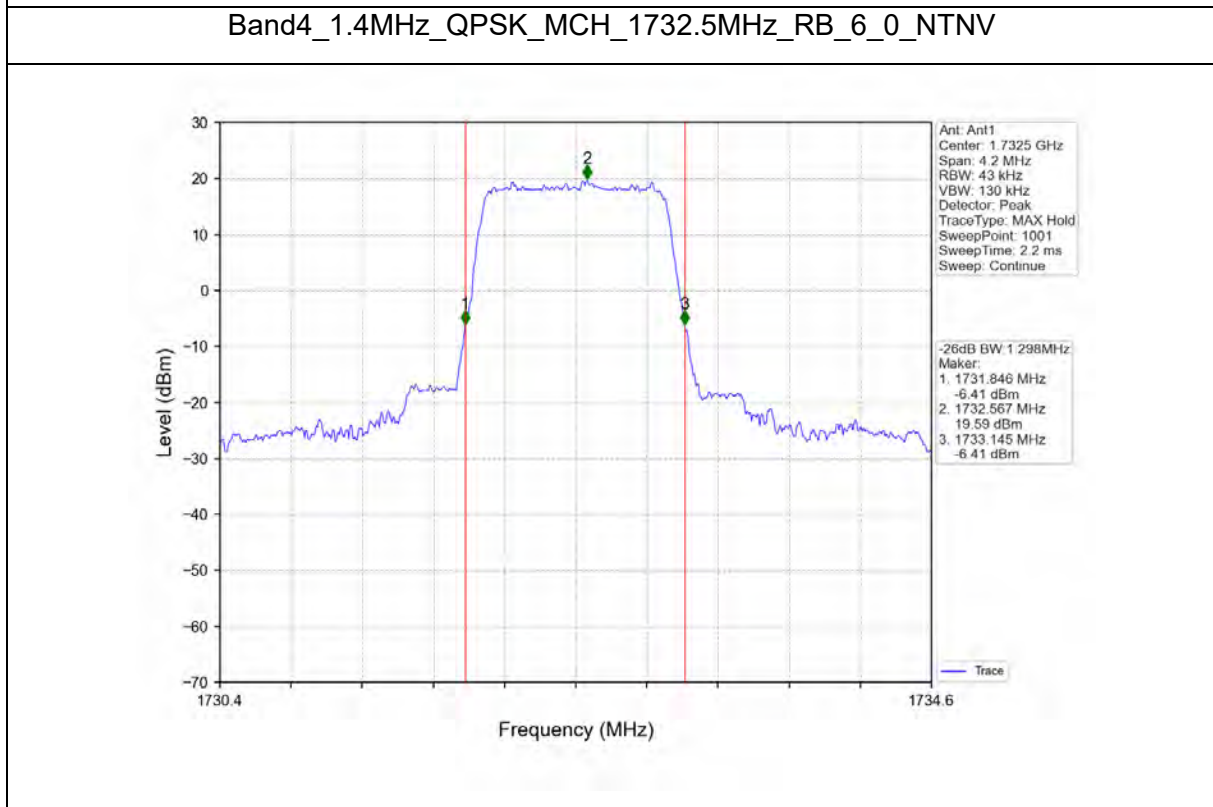
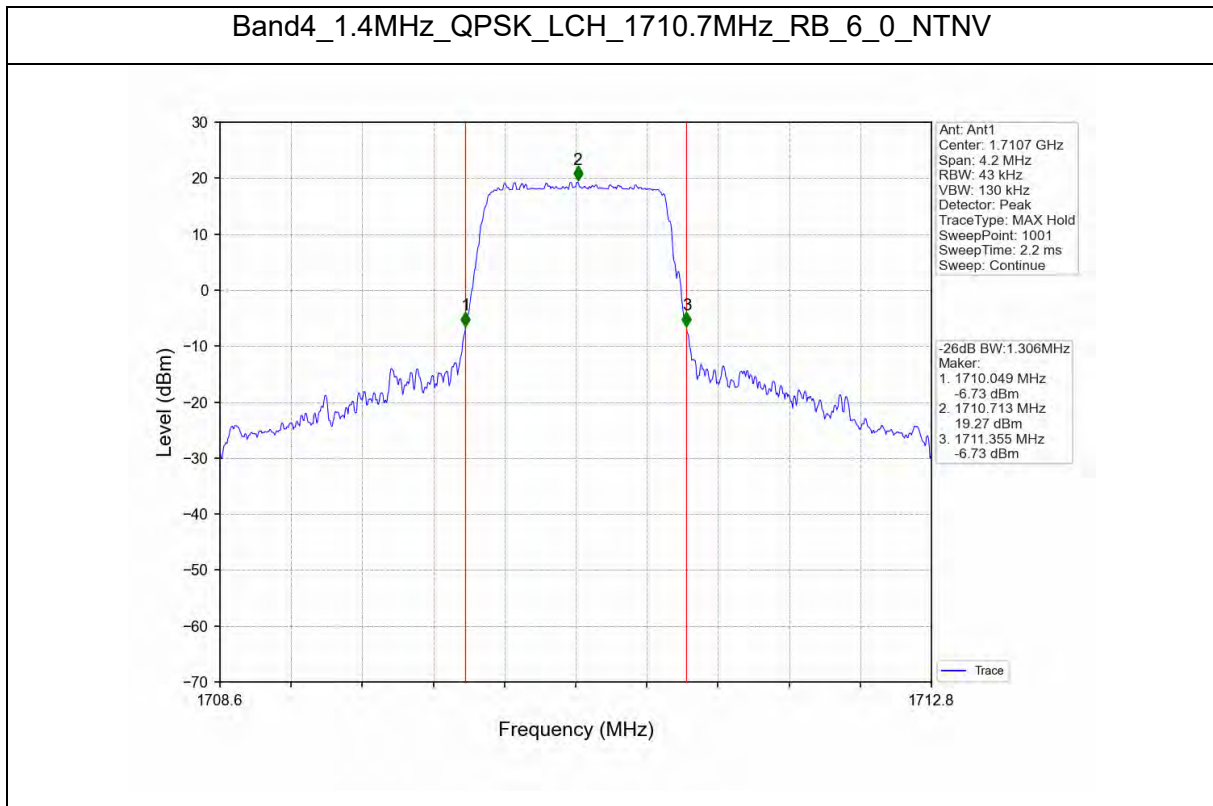


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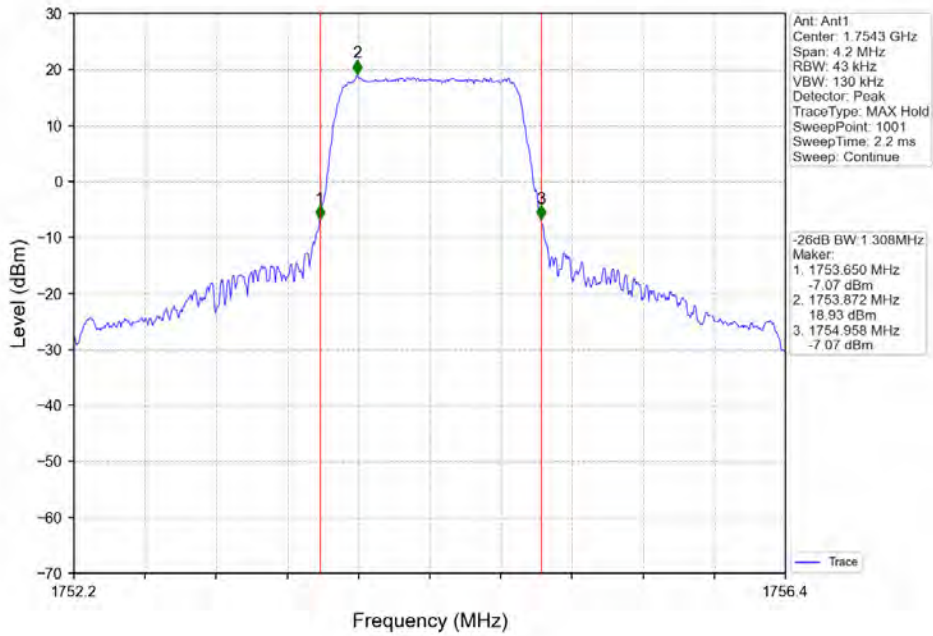
Test Report No.: W7L-P21100026RF15

		1745	100	0	19.758	Pass
	16QAM	1720	100	0	19.751	Pass
		1732.5	100	0	19.690	Pass
		1745	100	0	19.717	Pass
	64QAM	1720	100	0	19.676	Pass
		1732.5	100	0	19.739	Pass
		1745	100	0	19.643	Pass

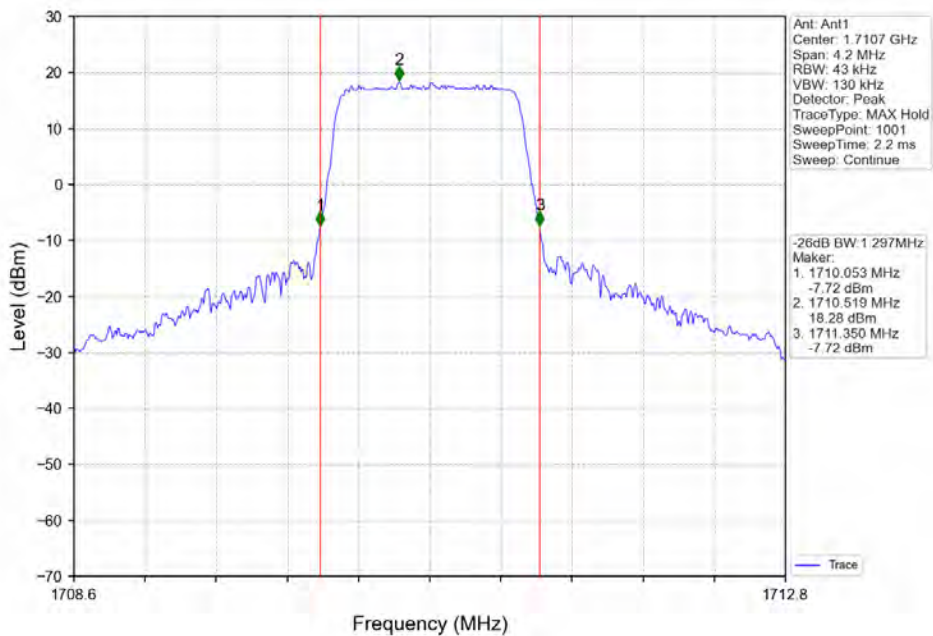
TEST GRAPH



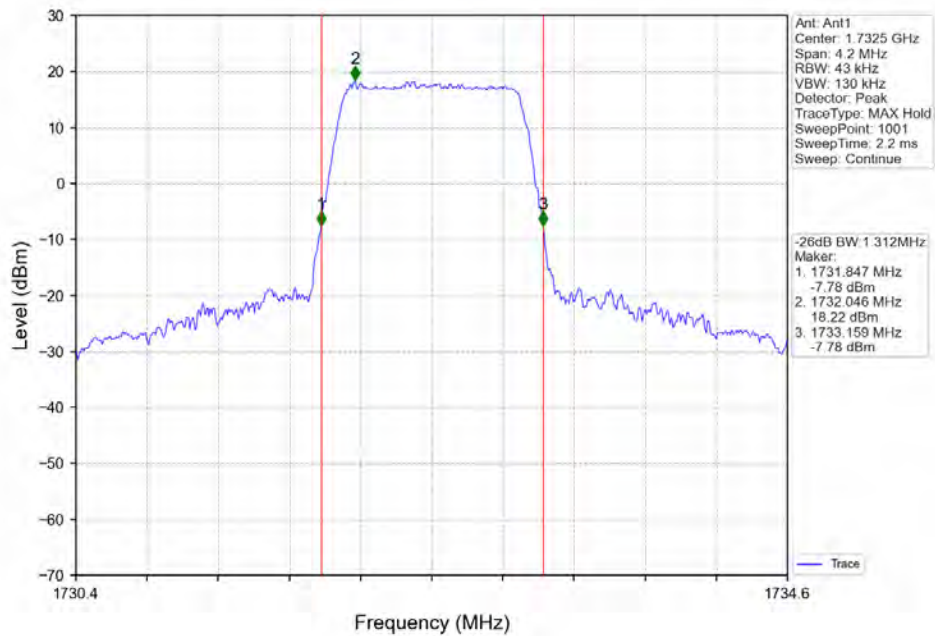
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



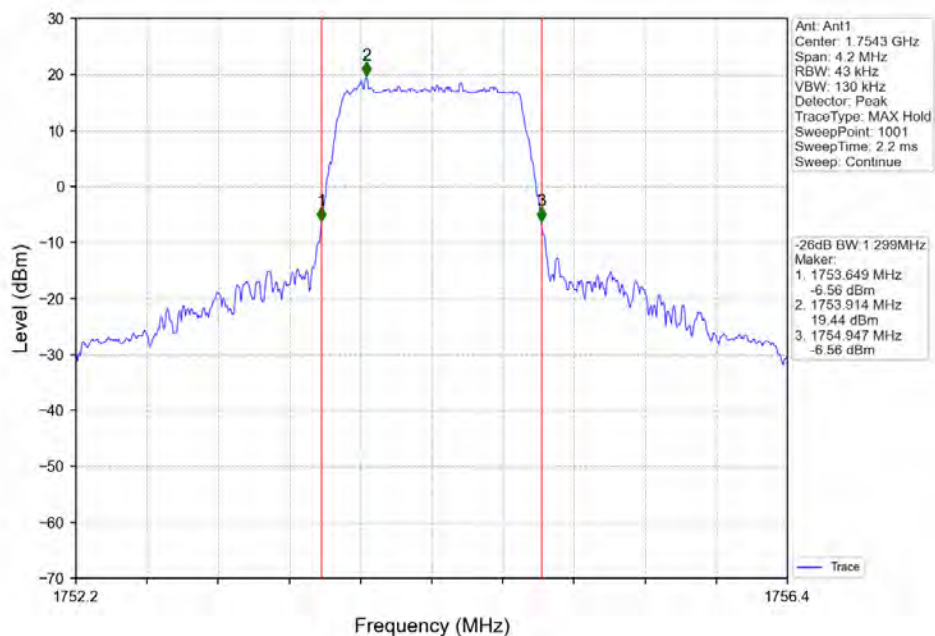
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



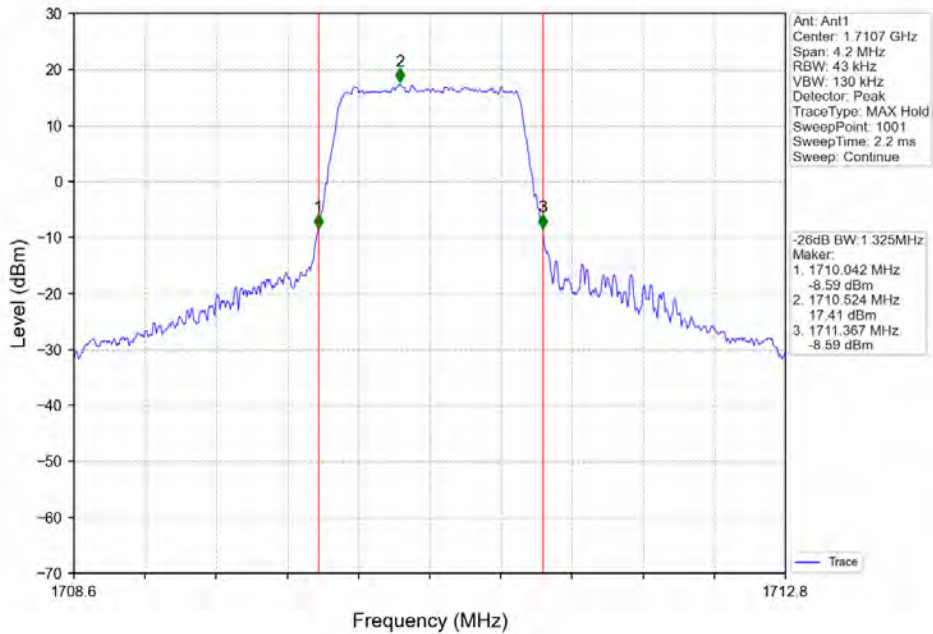
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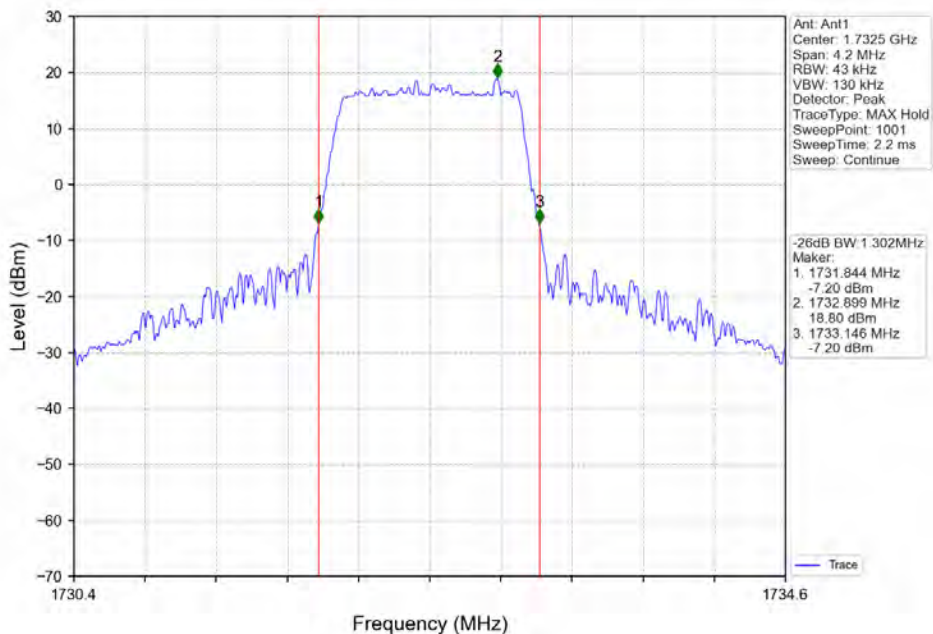
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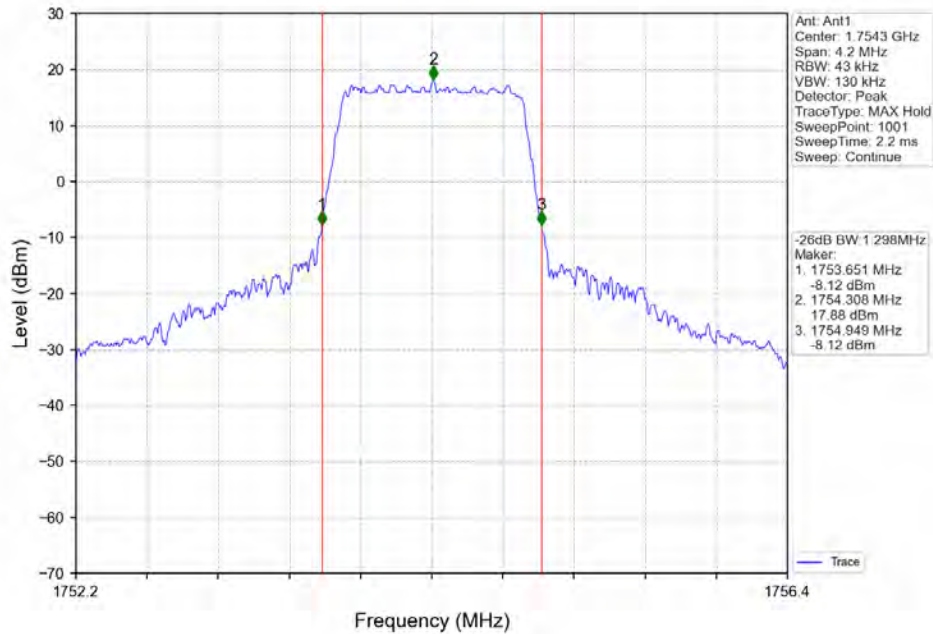
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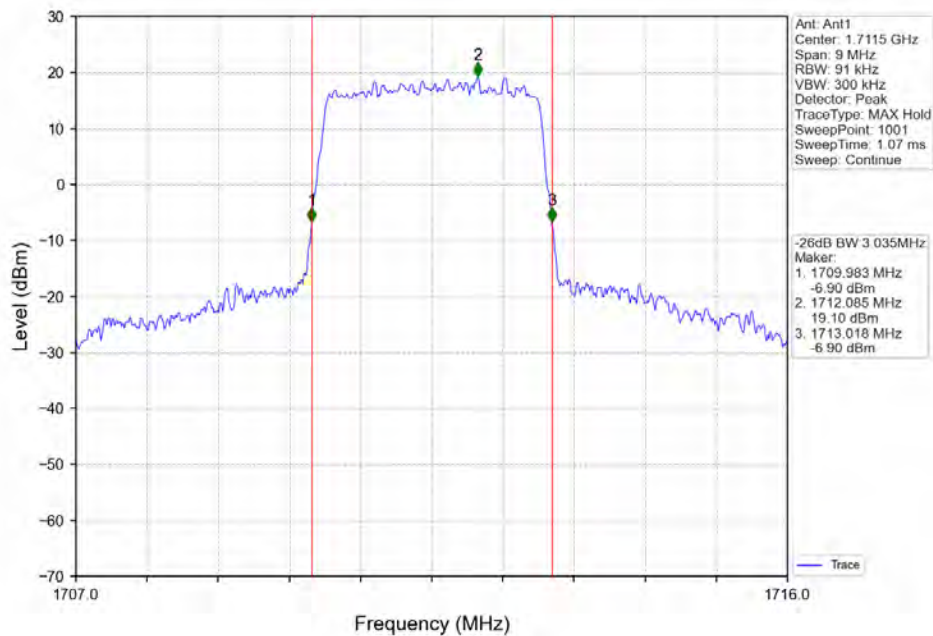
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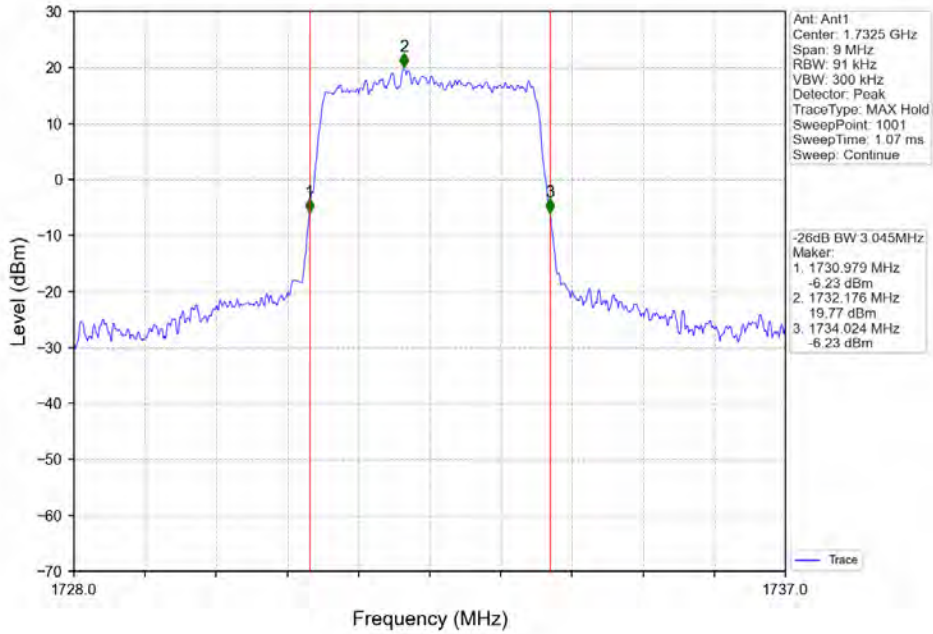
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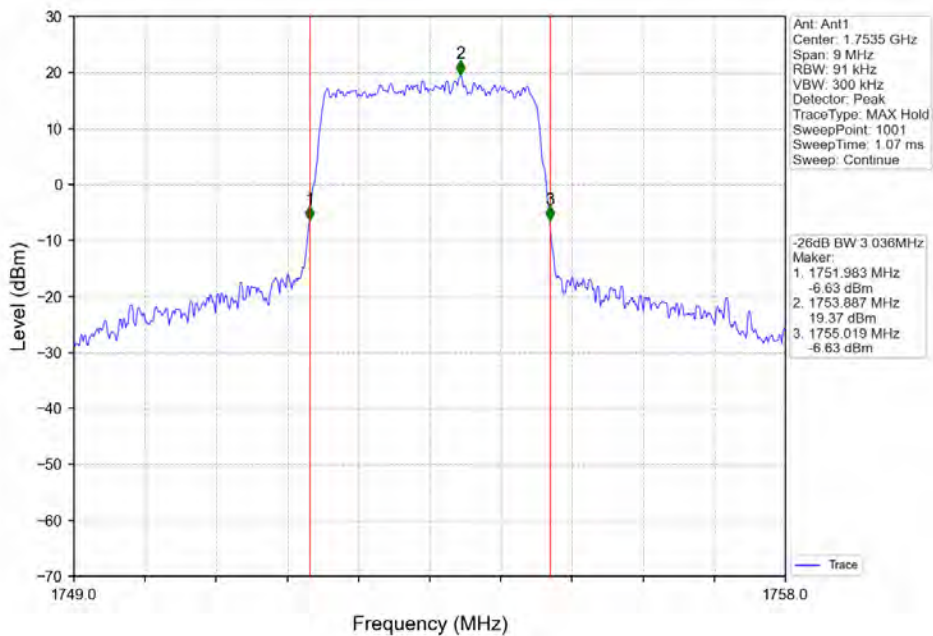
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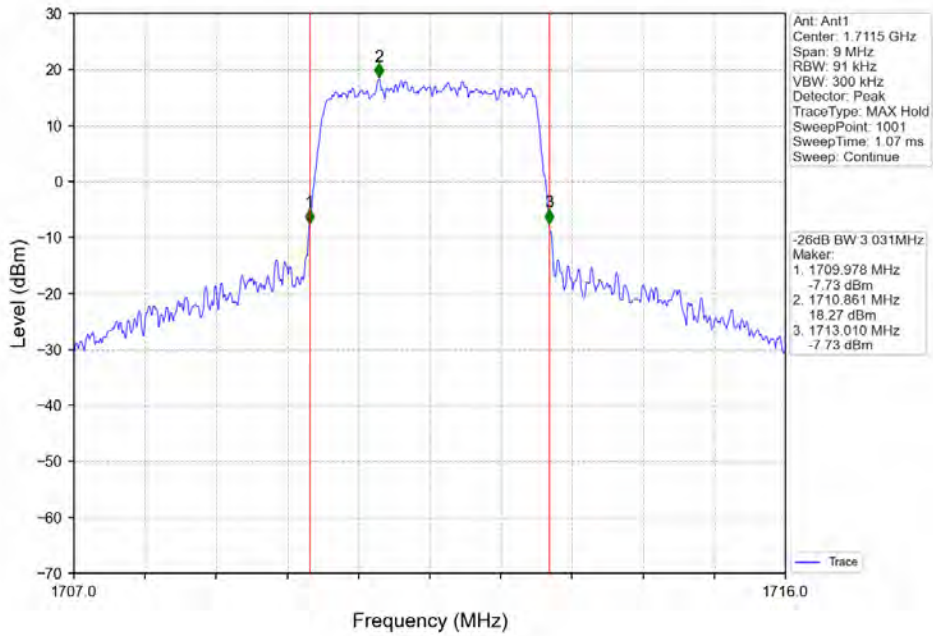
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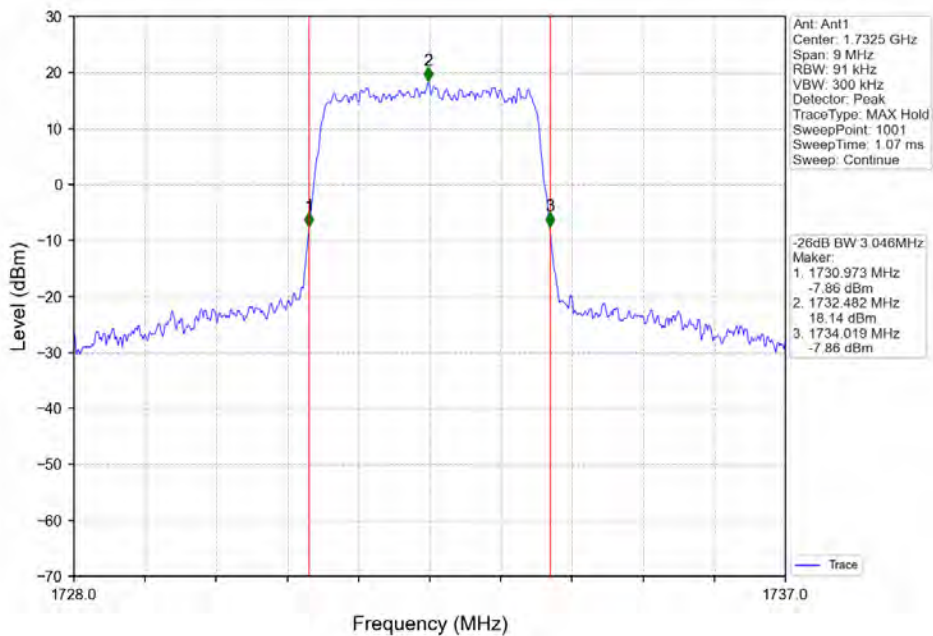
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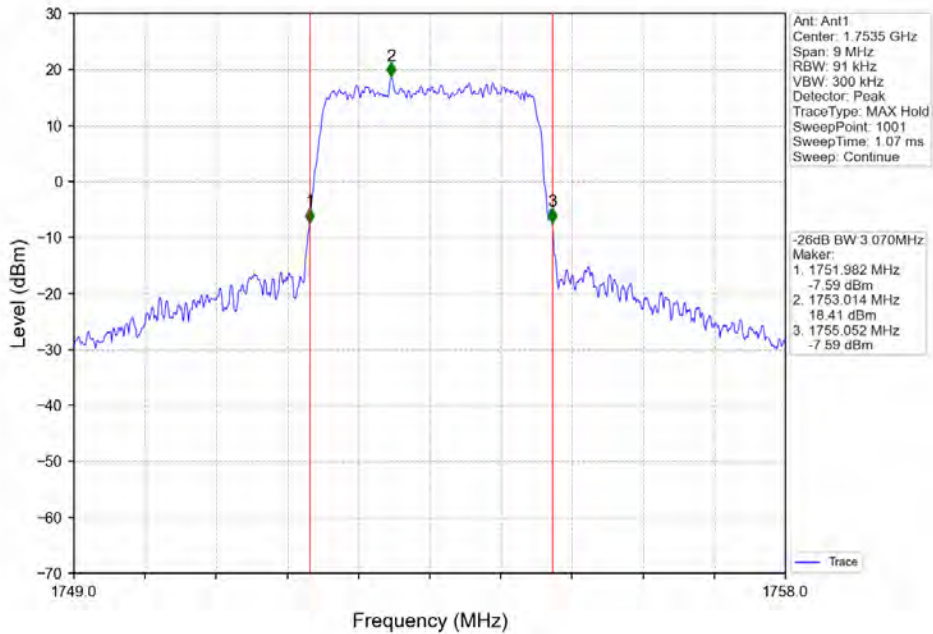
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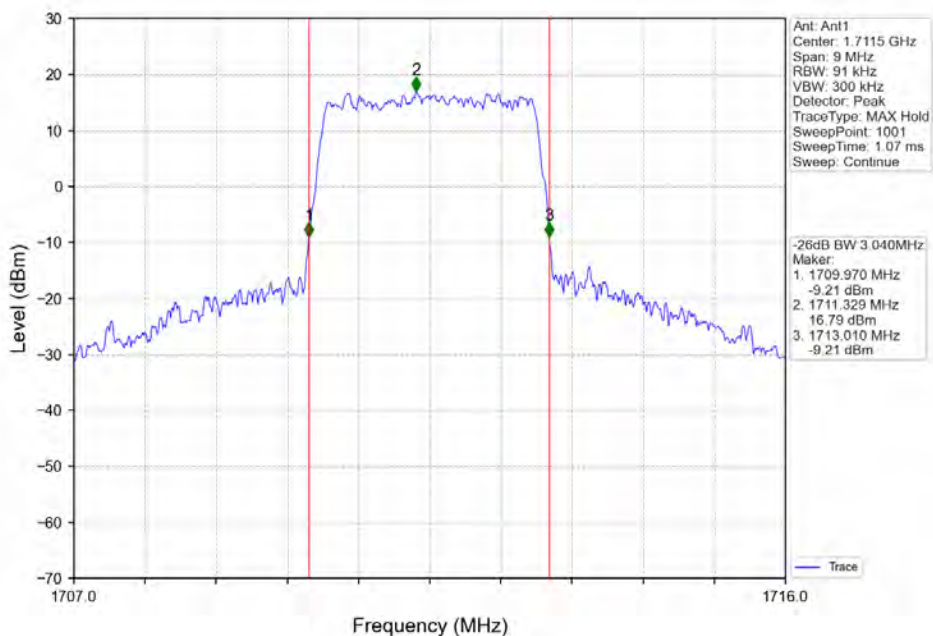
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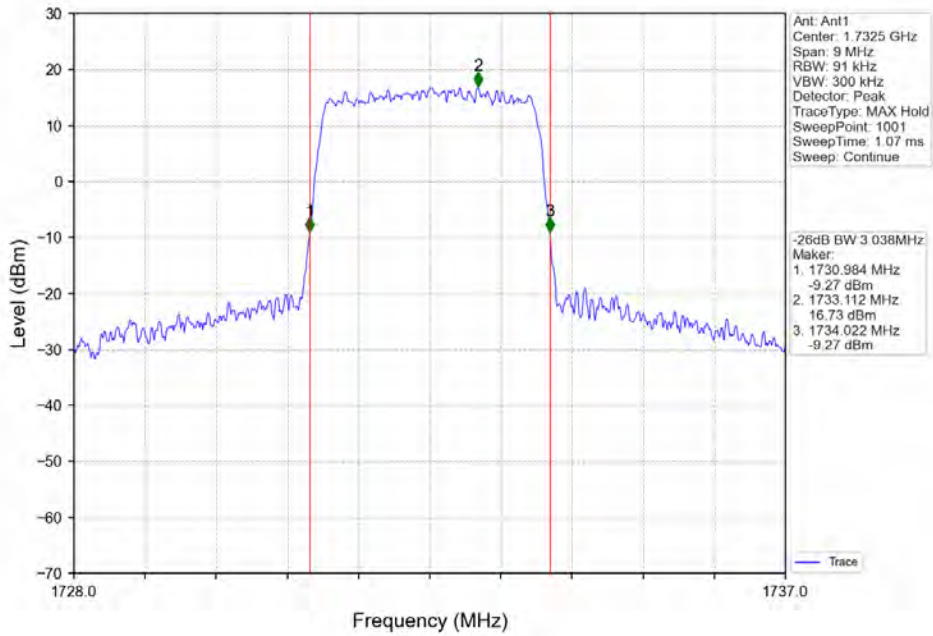
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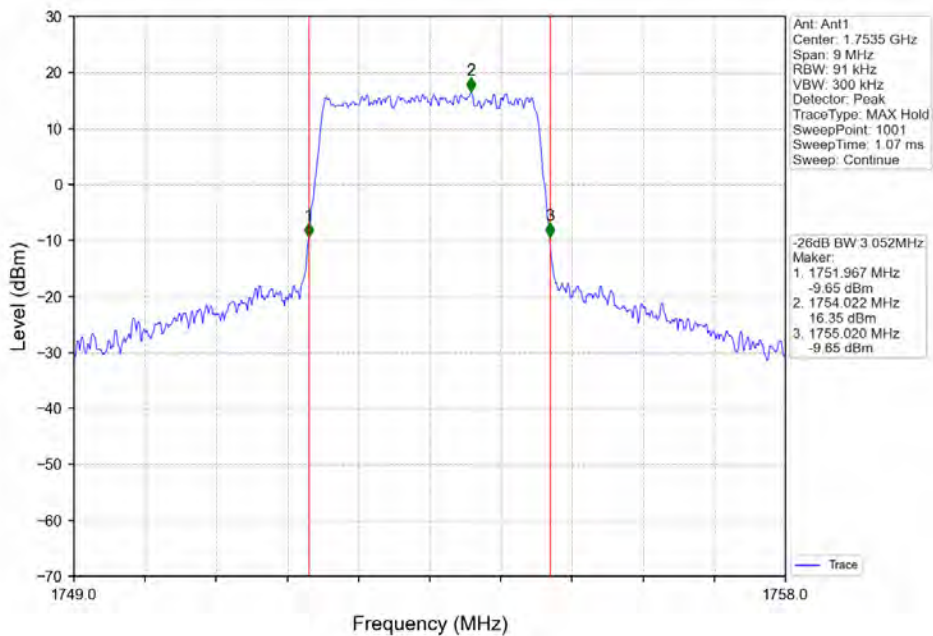
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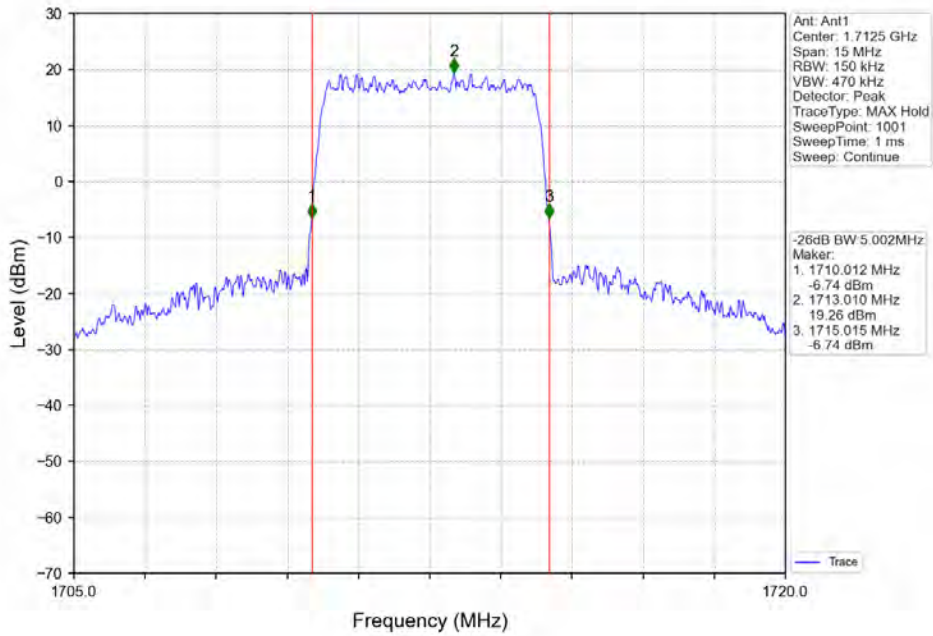
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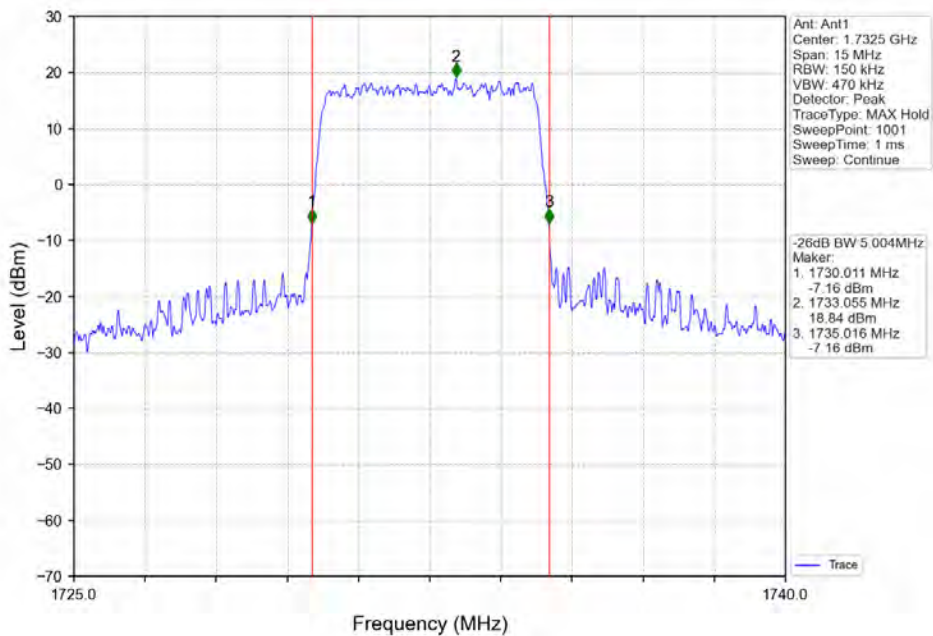
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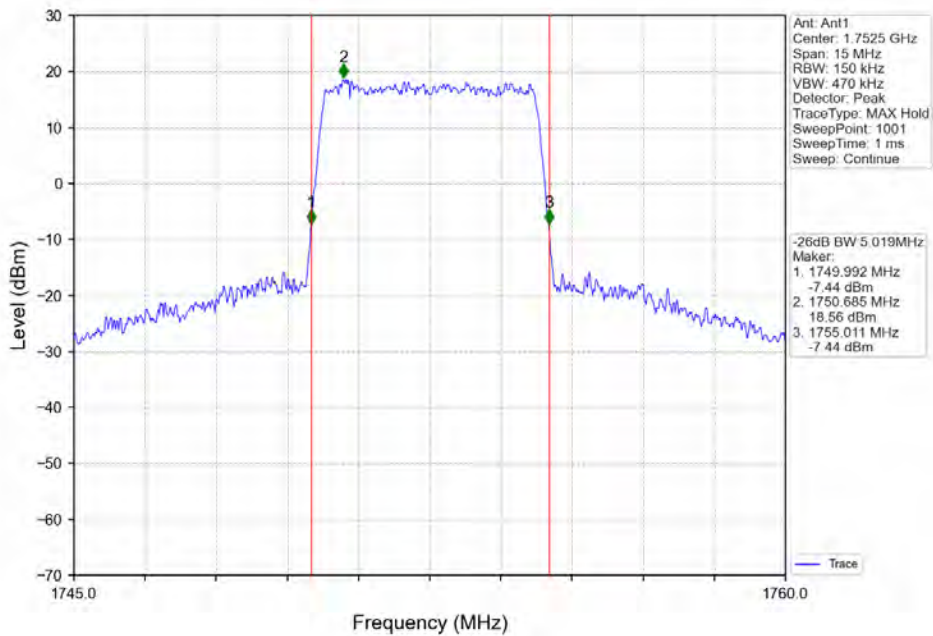
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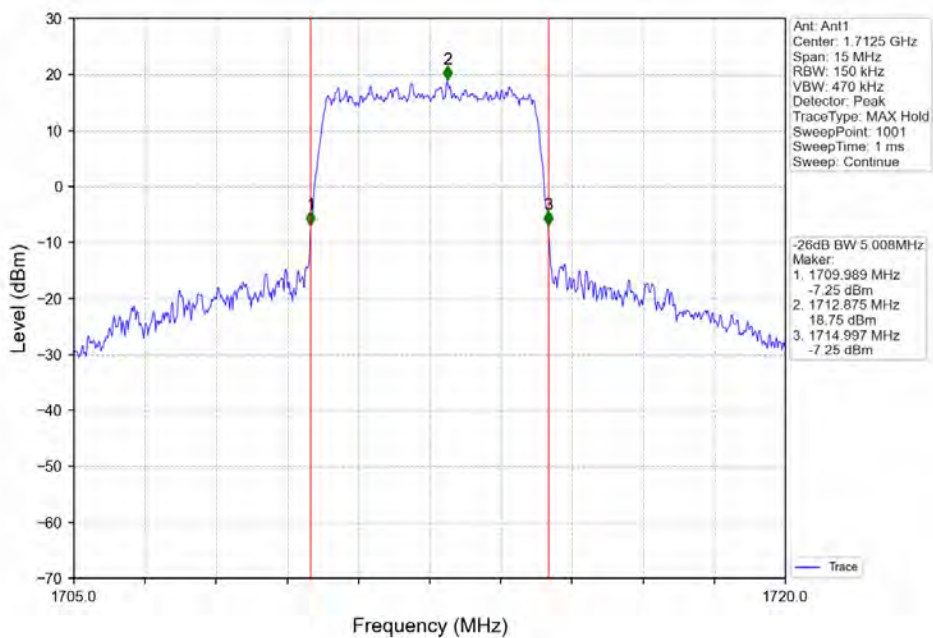
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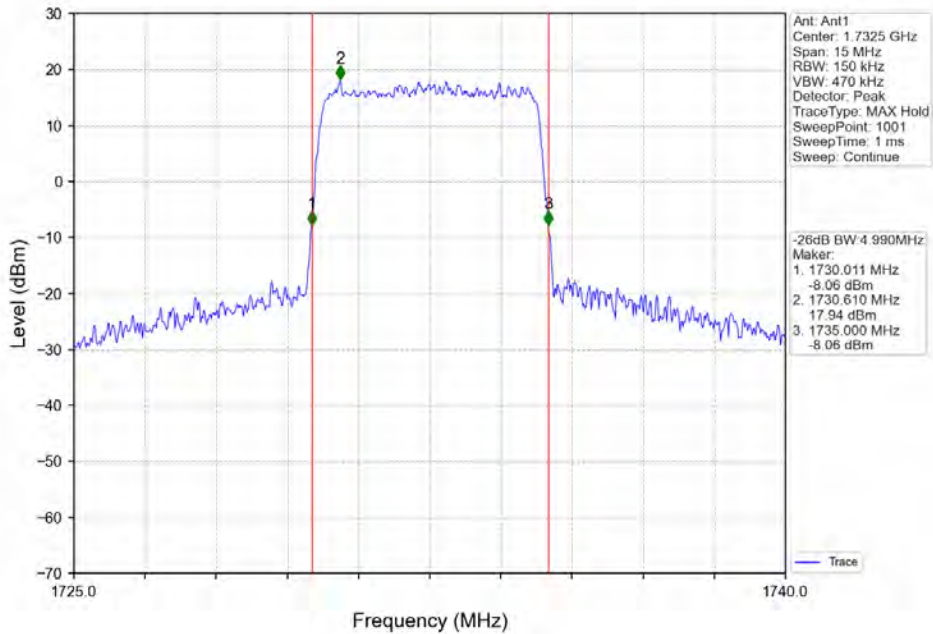
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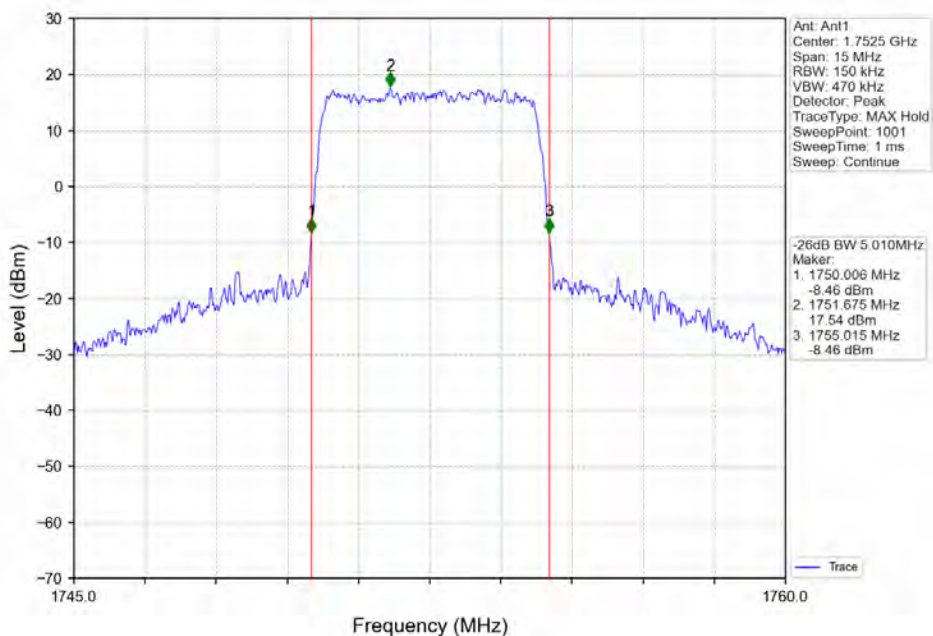
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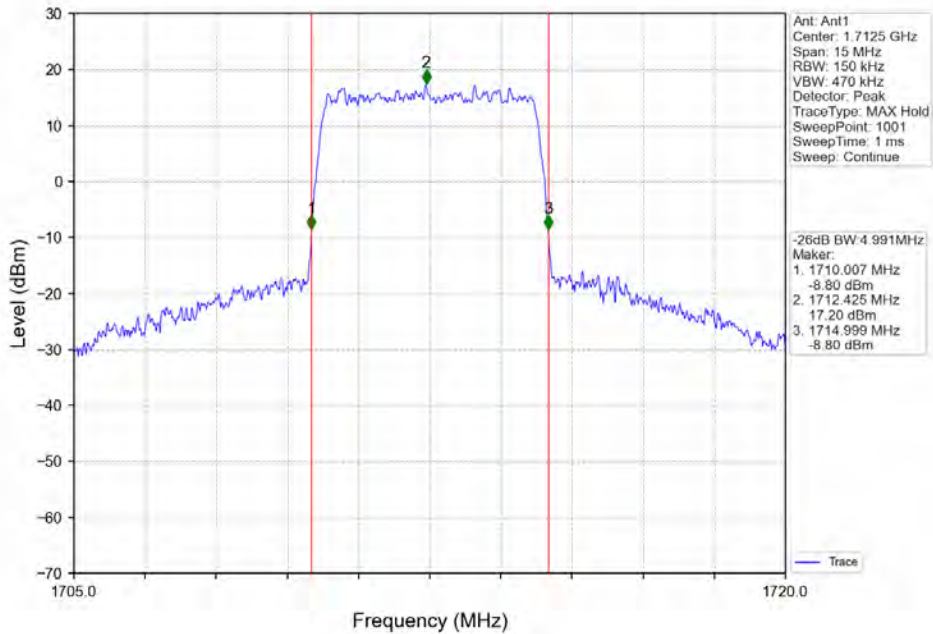
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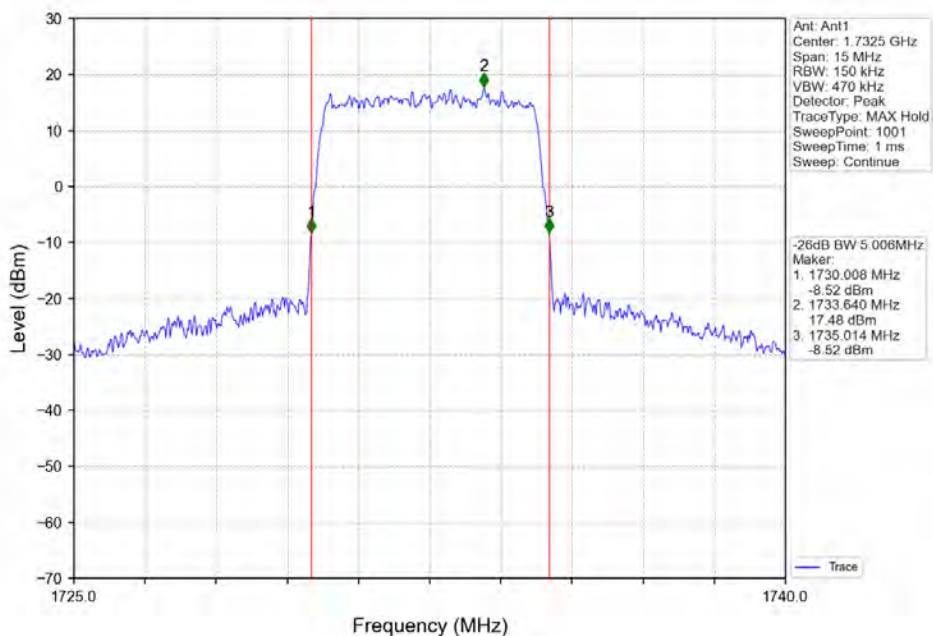
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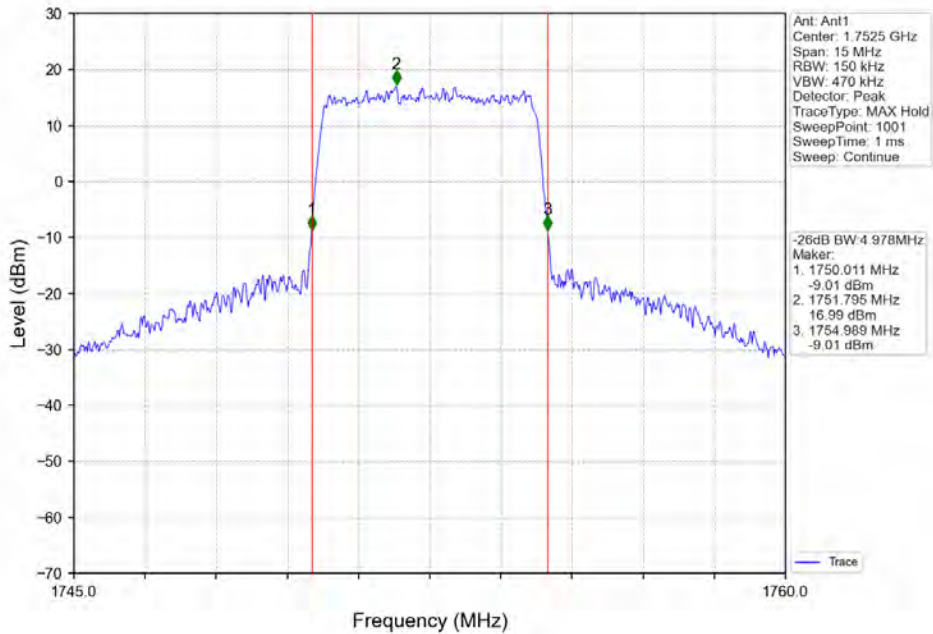
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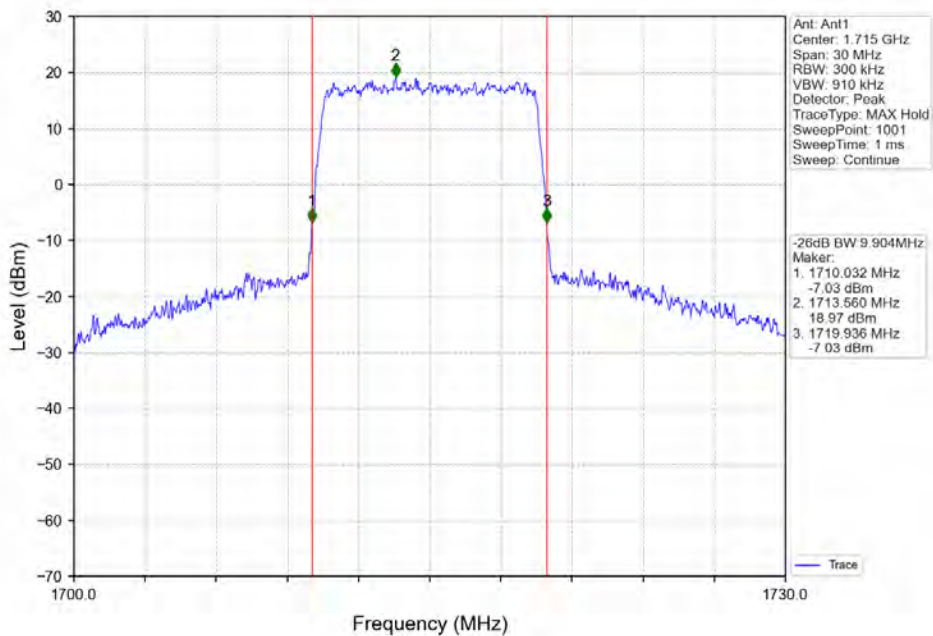
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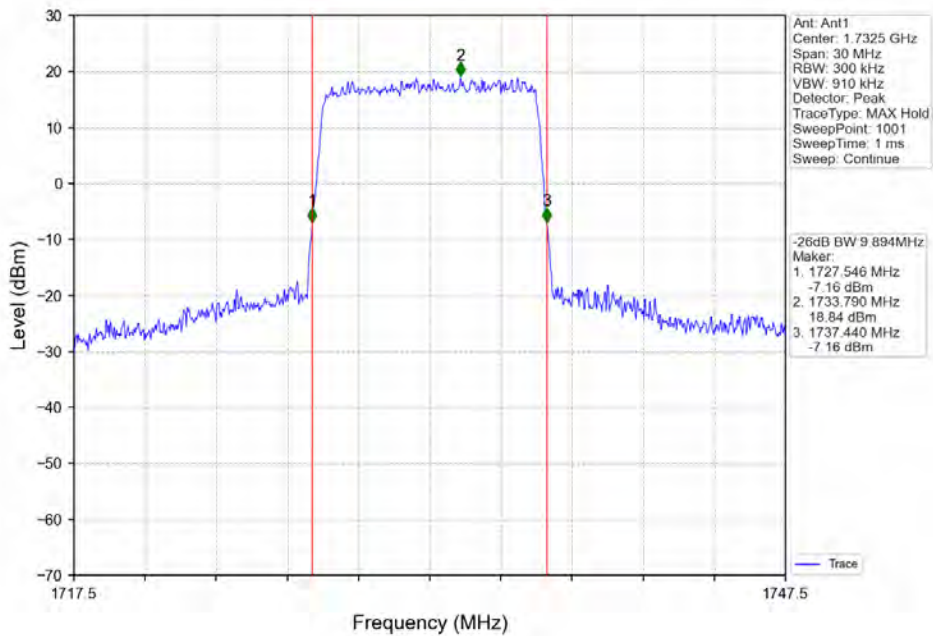
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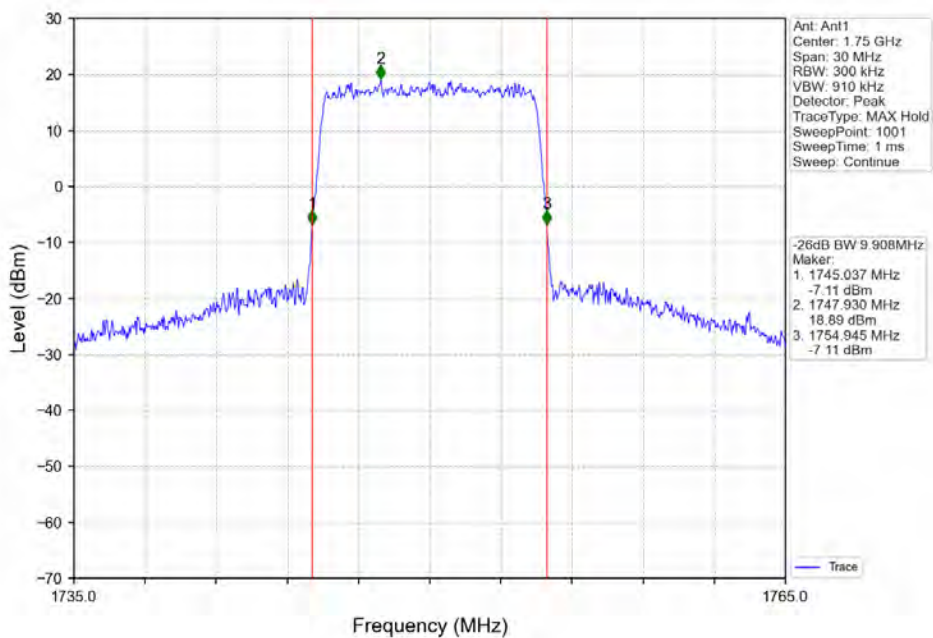
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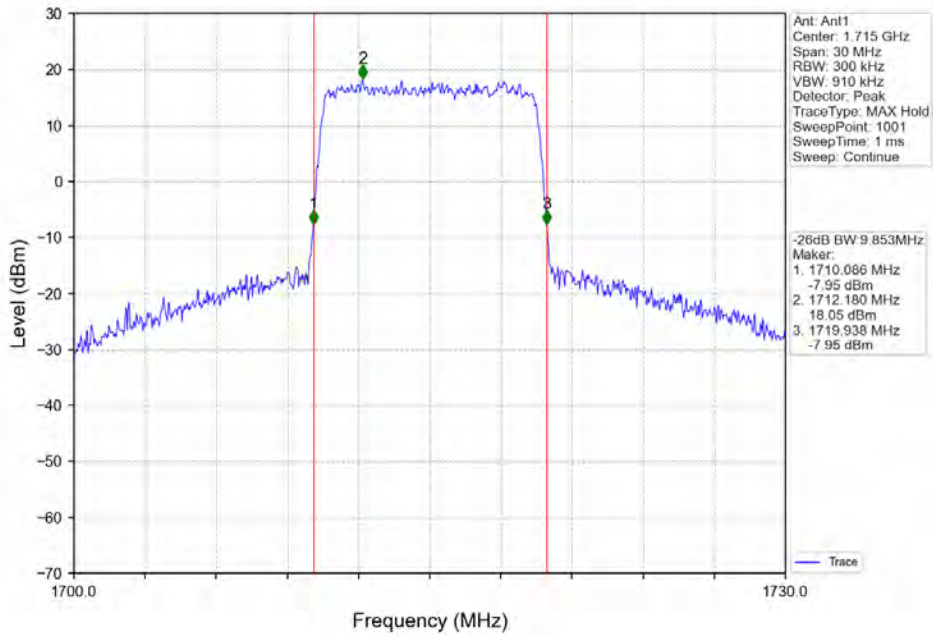
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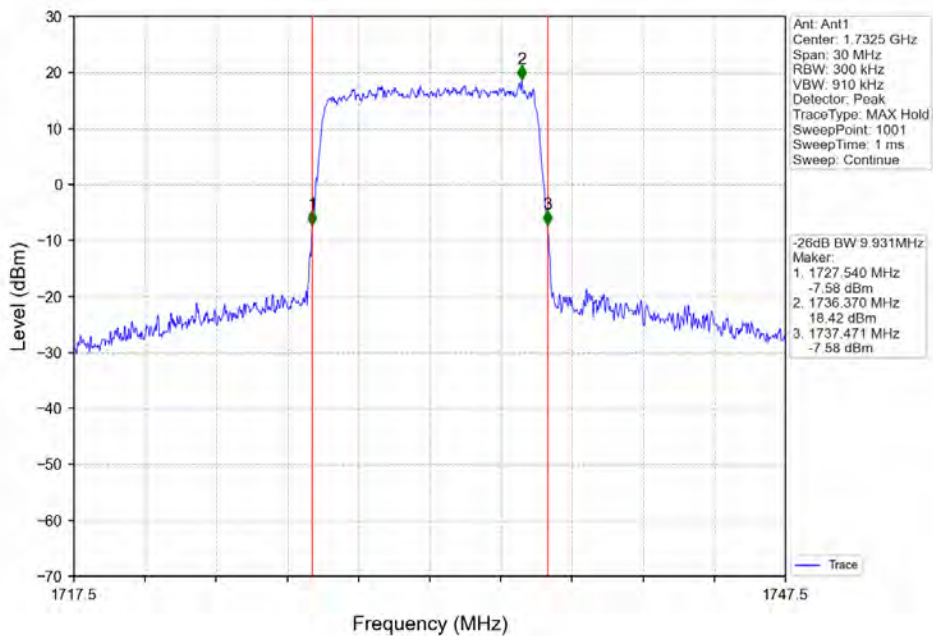
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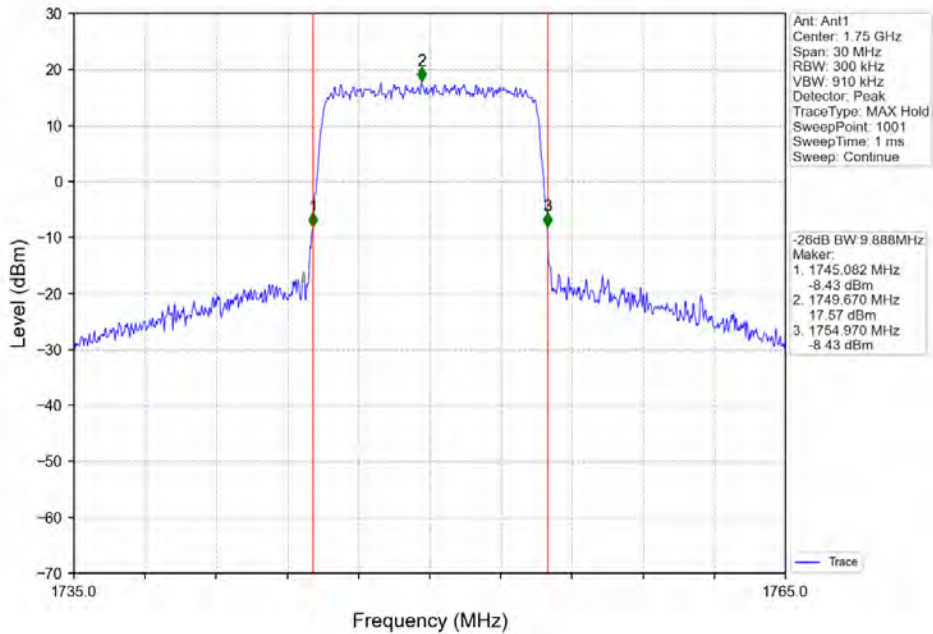
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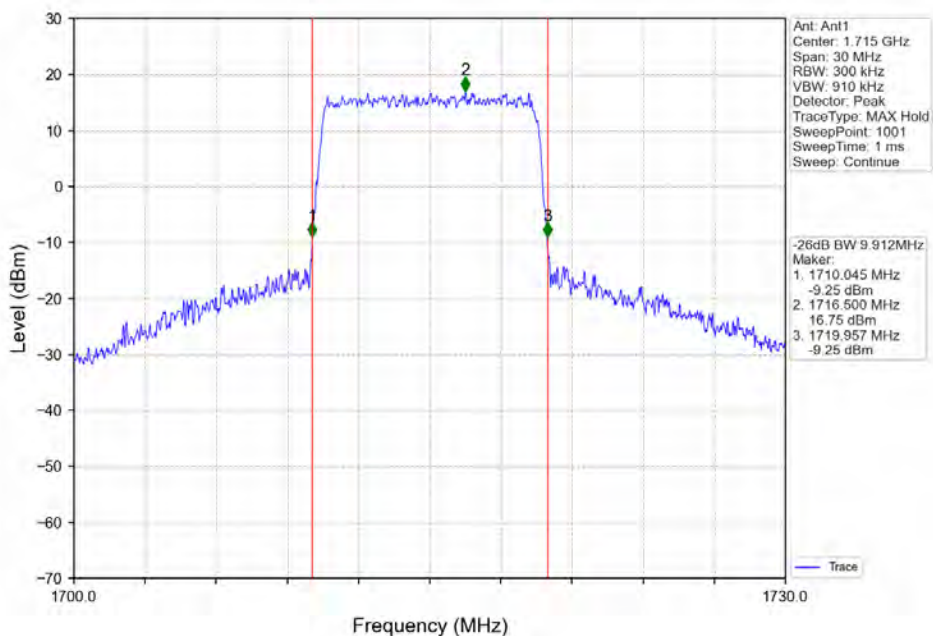
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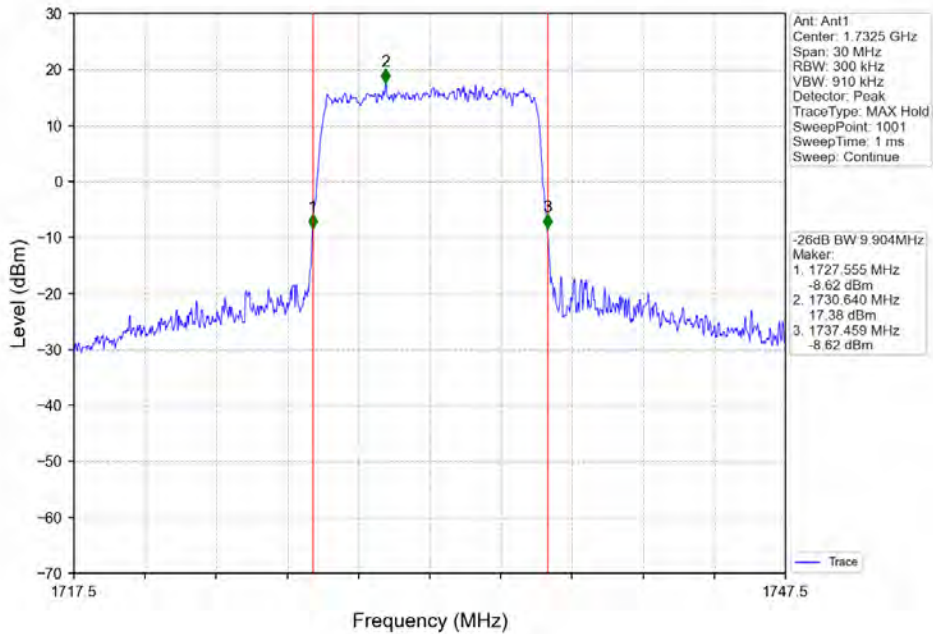
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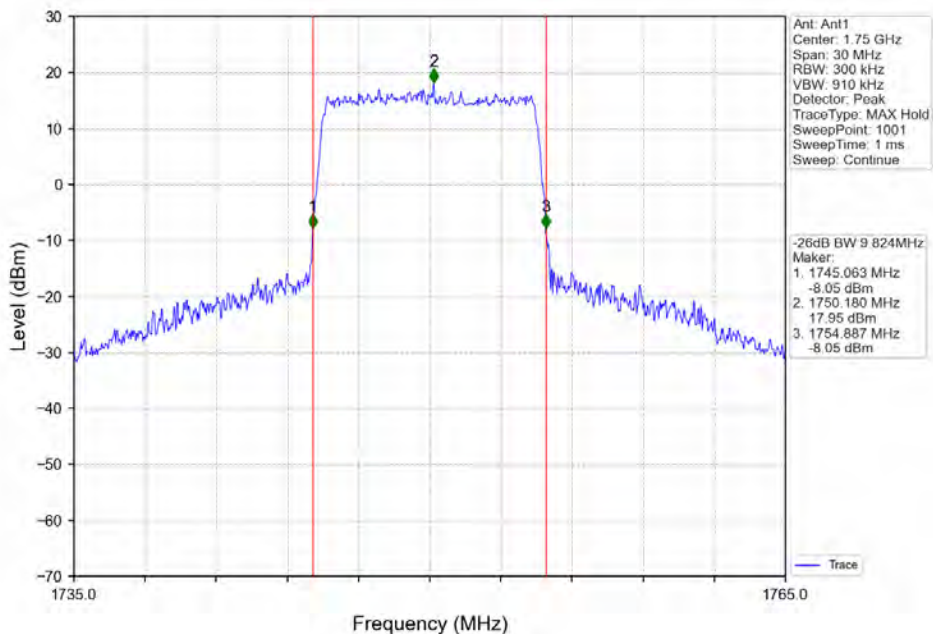
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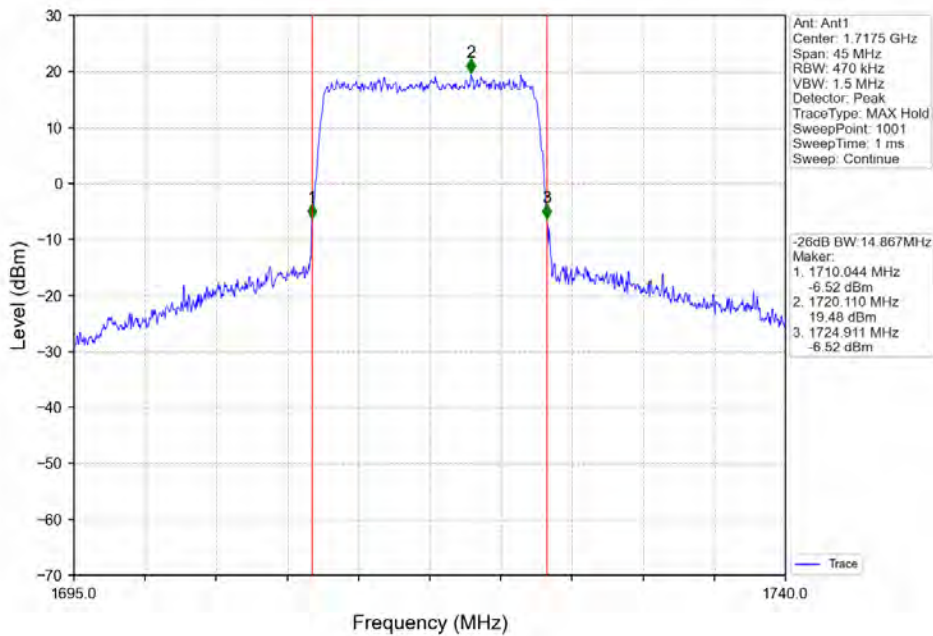
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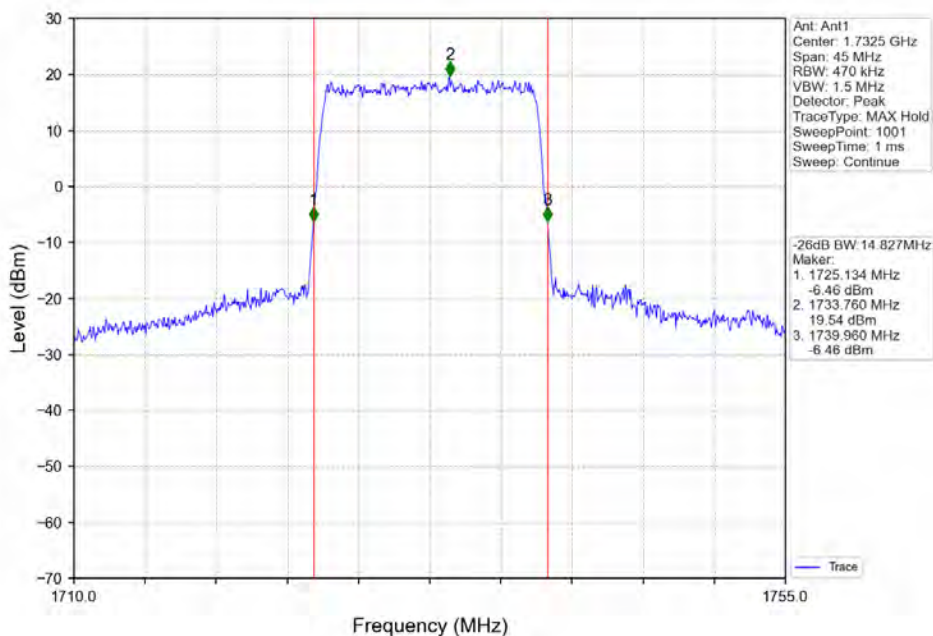
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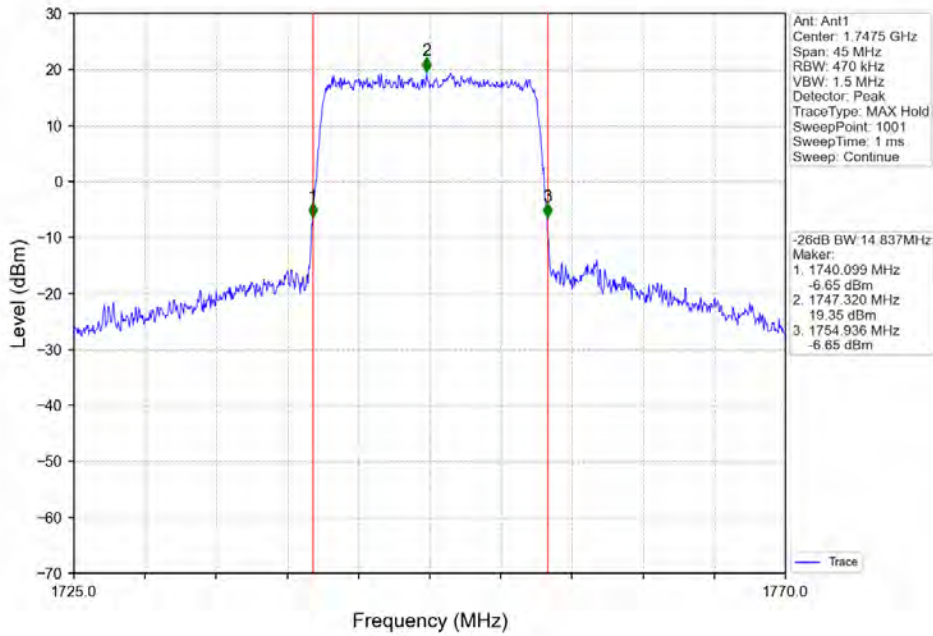
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



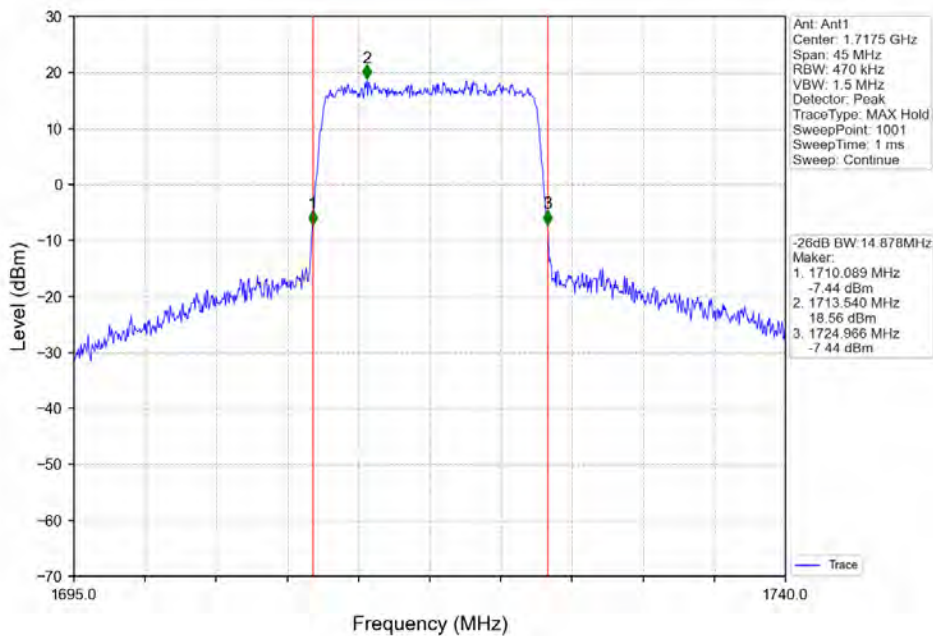
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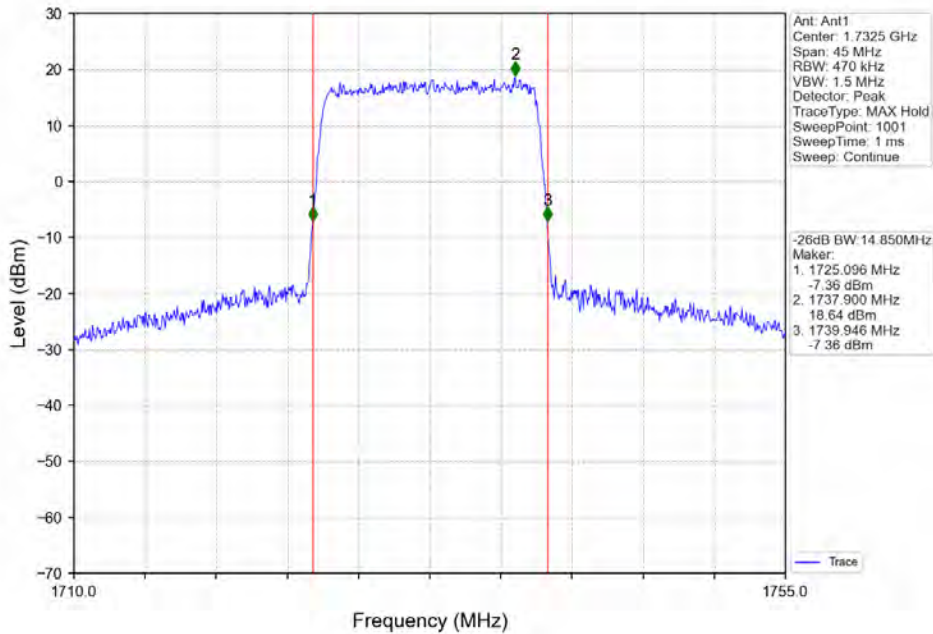
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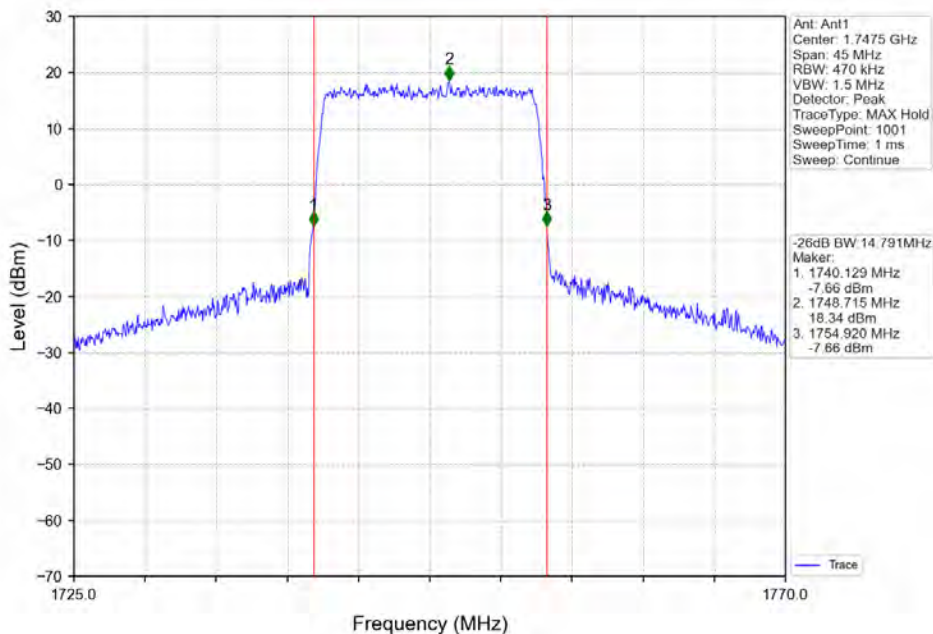
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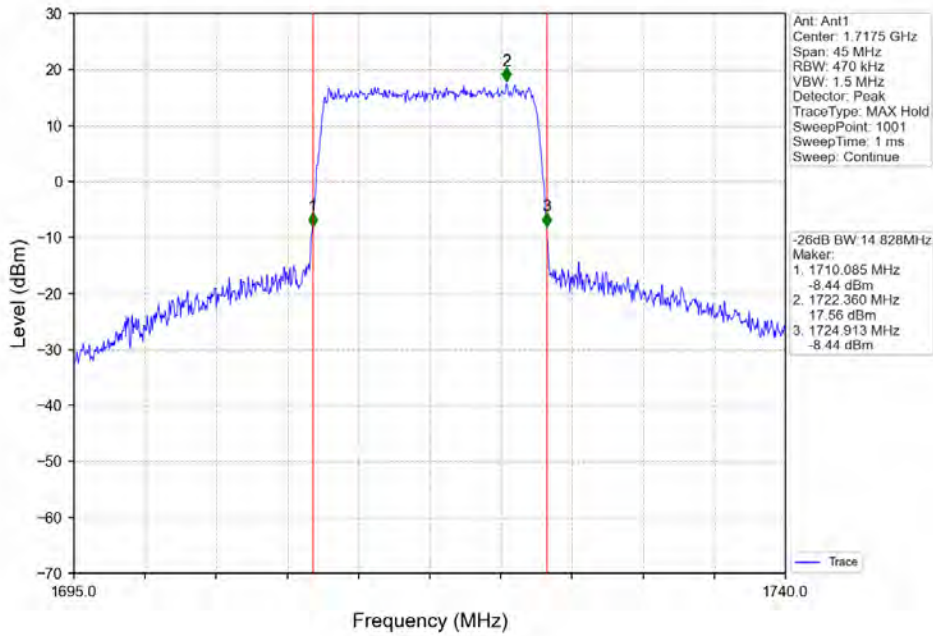
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV

