

FCC TEST REPORT (PART 27)

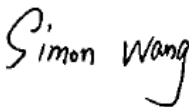
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Manufacturer or Supplier:	Shenzhen Zolon Technology Co., Ltd.
Address:	401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen, China
Product:	Pay Tablet
Brand Name:	ZOLON
Model Name:	M8
HW version:	M8-XXX-XXX-XXXX
SW version:	V0.0.0.1
FCC ID:	2AV5BM8
Registration No:	525120
Designation No:	CN1171
Date of tests:	Sep. 19, 2021 ~ Oct. 30, 2021

The tests have been carried out according to the requirements of the following standard:

☒ FCC Part 27, Subpart C, M ☒ ANSI/TIA/EIA-603-D
☒ FCC Part 2 ☒ ANSI/TIA/EIA-603-E ☒ ANSI C63.26-2015

CONCLUSION: The submitted sample was found to comply with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: May. 29, 2024	 Date: May. 29, 2024

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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1. Frequency Stability

1.1. WCDMA_Band4

1.1.1. 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	-12.33	-0.01	-2.5 to 2.5	Pass
			3.85	-11.99	-0.01	-2.5 to 2.5	Pass
			4.43	-11.07	-0.01	-2.5 to 2.5	Pass
		-10	3.85	-12.63	-0.01	-2.5 to 2.5	Pass
		0	3.85	-13.78	-0.01	-2.5 to 2.5	Pass
		10	3.85	-13.33	-0.01	-2.5 to 2.5	Pass
		30	3.85	-13.11	-0.01	-2.5 to 2.5	Pass
		40	3.85	-16.12	-0.01	-2.5 to 2.5	Pass
		50	3.85	-14.21	-0.01	-2.5 to 2.5	Pass
	1732.6	20	3.27	-9.33	-0.01	-2.5 to 2.5	Pass
			3.85	-16.11	-0.01	-2.5 to 2.5	Pass
			4.43	-9.08	-0.01	-2.5 to 2.5	Pass
		-10	3.85	-10.13	-0.01	-2.5 to 2.5	Pass
		0	3.85	-10.93	-0.01	-2.5 to 2.5	Pass
		10	3.85	-7.05	-0.00	-2.5 to 2.5	Pass
		30	3.85	-8.23	-0.00	-2.5 to 2.5	Pass
		40	3.85	-11.12	-0.01	-2.5 to 2.5	Pass
		50	3.85	-11.37	-0.01	-2.5 to 2.5	Pass
	1752.6	20	3.27	-8.94	-0.01	-2.5 to 2.5	Pass
			3.85	-5.99	-0.00	-2.5 to 2.5	Pass
			4.43	-10.00	-0.01	-2.5 to 2.5	Pass
		-10	3.85	-6.59	-0.00	-2.5 to 2.5	Pass
		0	3.85	-8.93	-0.01	-2.5 to 2.5	Pass
		10	3.85	-5.03	-0.00	-2.5 to 2.5	Pass
		30	3.85	-4.77	-0.00	-2.5 to 2.5	Pass
		40	3.85	-9.01	-0.01	-2.5 to 2.5	Pass
		50	3.85	-11.51	-0.01	-2.5 to 2.5	Pass

**1.2. LTE_B4_1.4MHz****1.2.1. 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	-0.53	-0.00	-2.5 to 2.5	Pass
					3.85	-2.88	-0.00	-2.5 to 2.5	Pass
					4.43	-4.48	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.63	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.79	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.60	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.78	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.18	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.47	-0.00	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.59	-0.00	-2.5 to 2.5	Pass
					3.85	-3.42	-0.00	-2.5 to 2.5	Pass
					4.43	-8.83	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.51	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.80	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.57	0.00	-2.5 to 2.5	Pass
				30	3.85	-5.48	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.95	-0.00	-2.5 to 2.5	Pass
				50	3.85	-6.09	-0.00	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-10.01	-0.01	-2.5 to 2.5	Pass
					3.85	-13.30	-0.01	-2.5 to 2.5	Pass
					4.43	-5.81	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.81	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.99	-0.00	-2.5 to 2.5	Pass
				10	3.85	-10.80	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.54	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.91	-0.00	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-10.36	-0.01	-2.5 to 2.5	Pass
					3.85	-3.32	-0.00	-2.5 to 2.5	Pass
					4.43	2.42	0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.05	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.95	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.11	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.43	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.10	0.00	-2.5 to 2.5	Pass
				50	3.85	-2.88	-0.00	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-5.42	-0.00	-2.5 to 2.5	Pass
					3.85	-11.40	-0.01	-2.5 to 2.5	Pass
					4.43	-11.97	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.19	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.39	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.18	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.66	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.96	-0.00	-2.5 to 2.5	Pass
				50	3.85	-10.49	-0.01	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-6.28	-0.00	-2.5 to 2.5	Pass
					3.85	-7.05	-0.00	-2.5 to 2.5	Pass
					4.43	-8.87	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.68	-0.00	-2.5 to 2.5	Pass



			0	3.85	-7.64	-0.00	-2.5 to 2.5	Pass
			10	3.85	-7.34	-0.00	-2.5 to 2.5	Pass
			30	3.85	-6.28	-0.00	-2.5 to 2.5	Pass
			40	3.85	-5.51	-0.00	-2.5 to 2.5	Pass
			50	3.85	-4.82	-0.00	-2.5 to 2.5	Pass

1.3. LTE_B4_3MHz

1.3.1. 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	-4.66	-0.00	-2.5 to 2.5	Pass
					3.85	-8.63	-0.01	-2.5 to 2.5	Pass
					4.43	-2.56	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.62	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				10	3.85	-10.34	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.19	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.81	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.97	-0.00	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-4.98	-0.00	-2.5 to 2.5	Pass
					3.85	-4.11	-0.00	-2.5 to 2.5	Pass
					4.43	-11.13	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.86	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.57	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.37	-0.00	-2.5 to 2.5	Pass
				30	3.85	-10.99	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.47	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.21	-0.00	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-4.29	-0.00	-2.5 to 2.5	Pass
					3.85	-5.88	-0.00	-2.5 to 2.5	Pass
					4.43	-4.63	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.55	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.72	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.12	-0.00	-2.5 to 2.5	Pass
				30	3.85	-10.29	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.68	-0.00	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-4.19	-0.00	-2.5 to 2.5	Pass
					3.85	-9.54	-0.01	-2.5 to 2.5	Pass
					4.43	-3.78	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.07	-0.00	-2.5 to 2.5	Pass
				0	3.85	-11.22	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.06	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.80	-0.00	-2.5 to 2.5	Pass
				50	3.85	-6.38	-0.00	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.49	-0.00	-2.5 to 2.5	Pass
					3.85	-3.38	-0.00	-2.5 to 2.5	Pass
					4.43	-11.64	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.52	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.31	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.02	-0.00	-2.5 to 2.5	Pass



	1753.5	15	0	40	3.85	-3.79	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.80	-0.00	-2.5 to 2.5	Pass
				20	3.27	-6.94	-0.00	-2.5 to 2.5	Pass
					3.85	-8.15	-0.00	-2.5 to 2.5	Pass
					4.43	-9.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.36	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.41	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.99	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.19	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.02	-0.00	-2.5 to 2.5	Pass

1.4. LTE_B4_5MHz

1.4.1. 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	-7.85	-0.00	-2.5 to 2.5	Pass
					3.85	-7.30	-0.00	-2.5 to 2.5	Pass
					4.43	-7.97	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.39	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.09	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.72	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.28	-0.00	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.47	-0.00	-2.5 to 2.5	Pass
					3.85	-5.22	-0.00	-2.5 to 2.5	Pass
					4.43	-7.24	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.05	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.67	-0.00	-2.5 to 2.5	Pass
				10	3.85	0.17	0.00	-2.5 to 2.5	Pass
				30	3.85	-4.53	-0.00	-2.5 to 2.5	Pass
				40	3.85	-9.38	-0.01	-2.5 to 2.5	Pass
				50	3.85	1.39	0.00	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-6.64	-0.00	-2.5 to 2.5	Pass
					3.85	-4.36	-0.00	-2.5 to 2.5	Pass
					4.43	-5.55	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-6.17	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.68	-0.00	-2.5 to 2.5	Pass
				30	3.85	-10.20	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.91	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.44	-0.00	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-4.71	-0.00	-2.5 to 2.5	Pass
					3.85	-5.18	-0.00	-2.5 to 2.5	Pass
					4.43	-8.37	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.11	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.92	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.91	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.51	-0.01	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.54	-0.00	-2.5 to 2.5	Pass



CERTAS					3.85	-2.30	-0.00	-2.5 to 2.5	Pass
					4.43	-5.68	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-0.23	-0.00	-2.5 to 2.5
				0	3.85	-3.73	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.25	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.09	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.82	0.00	-2.5 to 2.5	Pass
				50	3.85	-6.85	-0.00	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.18	-0.00	-2.5 to 2.5	Pass
					3.85	-0.76	-0.00	-2.5 to 2.5	Pass
					4.43	-5.36	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.54	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.74	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.17	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.55	-0.00	-2.5 to 2.5	Pass
				50	3.85	-6.14	-0.00	-2.5 to 2.5	Pass

1.5. LTE_B4_10MHz

1.5.1. 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	-8.00	-0.00	-2.5 to 2.5	Pass
					3.85	-4.66	-0.00	-2.5 to 2.5	Pass
					4.43	-5.98	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-9.70	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.85	-0.00	-2.5 to 2.5	Pass
				10	3.85	-12.15	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.40	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.78	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.07	-0.00	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.85	-0.00	-2.5 to 2.5	Pass
					3.85	-4.61	-0.00	-2.5 to 2.5	Pass
					4.43	-5.58	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.99	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.71	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.58	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.86	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.88	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.43	-0.00	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.61	-0.00	-2.5 to 2.5	Pass
					3.85	-7.12	-0.00	-2.5 to 2.5	Pass
					4.43	-6.39	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.30	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-12.75	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.34	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.58	-0.00	-2.5 to 2.5	Pass
					3.85	-2.35	-0.00	-2.5 to 2.5	Pass
					4.43	-7.60	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.67	-0.00	-2.5 to 2.5	Pass



				0	3.85	-6.82	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.38	-0.00	-2.5 to 2.5	Pass
				30	3.85	-6.25	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.35	-0.00	-2.5 to 2.5	Pass
				50	3.85	-9.50	-0.01	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.39	-0.00	-2.5 to 2.5	Pass
					3.85	-3.66	-0.00	-2.5 to 2.5	Pass
					4.43	-5.66	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.48	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.10	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.66	-0.00	-2.5 to 2.5	Pass
				40	3.85	-9.18	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.11	-0.00	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.87	-0.00	-2.5 to 2.5	Pass
					3.85	-9.37	-0.01	-2.5 to 2.5	Pass
					4.43	-8.07	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.39	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.30	-0.00	-2.5 to 2.5	Pass
				10	3.85	-9.00	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.91	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.48	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.19	-0.00	-2.5 to 2.5	Pass

1.6. LTE_B4_15MHz

1.6.1. 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	-2.06	-0.00	-2.5 to 2.5	Pass
					3.85	-6.05	-0.00	-2.5 to 2.5	Pass
					4.43	-1.83	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.08	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.82	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.65	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.46	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.34	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.20	-0.00	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-7.00	-0.00	-2.5 to 2.5	Pass
					3.85	-4.25	-0.00	-2.5 to 2.5	Pass
					4.43	-1.47	-0.00	-2.5 to 2.5	Pass
				-10	3.85	0.59	0.00	-2.5 to 2.5	Pass
				0	3.85	-4.48	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.49	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.69	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.52	-0.00	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.71	-0.00	-2.5 to 2.5	Pass
					3.85	-5.74	-0.00	-2.5 to 2.5	Pass
					4.43	-5.32	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.97	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.12	-0.00	-2.5 to 2.5	Pass
				10	3.85	-9.04	-0.01	-2.5 to 2.5	Pass



16QAM	1717.5	75	0	30	3.85	-7.82	-0.00	-2.5 to 2.5	Pass
				40	3.85	-8.73	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.15	-0.00	-2.5 to 2.5	Pass
				20	3.27	-3.53	-0.00	-2.5 to 2.5	Pass
					3.85	-9.97	-0.01	-2.5 to 2.5	Pass
					4.43	1.24	0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.49	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.03	-0.01	-2.5 to 2.5	Pass
				10	3.85	0.43	0.00	-2.5 to 2.5	Pass
	1732.5	75	0	30	3.85	-7.37	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.72	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.58	-0.00	-2.5 to 2.5	Pass
				20	3.27	-6.11	-0.00	-2.5 to 2.5	Pass
					3.85	-5.49	-0.00	-2.5 to 2.5	Pass
					4.43	-8.34	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.96	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.39	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.48	-0.00	-2.5 to 2.5	Pass
	1747.5	75	0	30	3.85	-5.14	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.23	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.51	-0.00	-2.5 to 2.5	Pass
				20	3.27	-2.13	-0.00	-2.5 to 2.5	Pass
					3.85	-5.44	-0.00	-2.5 to 2.5	Pass
					4.43	-9.23	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.39	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.86	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.52	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.53	-0.00	-2.5 to 2.5	Pass
				40	3.85	-8.18	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.98	-0.00	-2.5 to 2.5	Pass

1.7. LTE_B4_20MHz

1.7.1. 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	-7.24	-0.00	-2.5 to 2.5	Pass
					3.85	-3.12	-0.00	-2.5 to 2.5	Pass
					4.43	-8.65	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.39	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.45	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.42	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.65	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.98	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.35	-0.00	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.15	-0.00	-2.5 to 2.5	Pass
					3.85	-4.35	-0.00	-2.5 to 2.5	Pass
					4.43	-10.89	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				0	3.85	-5.39	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.76	-0.00	-2.5 to 2.5	Pass
				30	3.85	-9.16	-0.01	-2.5 to 2.5	Pass
				40	3.85	-12.29	-0.01	-2.5 to 2.5	Pass



	1745	100	0	50	3.85	-3.58	-0.00	-2.5 to 2.5	Pass
				20	3.27	-2.76	-0.00	-2.5 to 2.5	Pass
					3.85	-4.11	-0.00	-2.5 to 2.5	Pass
					4.43	-3.29	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.75	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.34	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.65	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.65	-0.01	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-6.27	-0.00	-2.5 to 2.5	Pass
					3.85	-10.47	-0.01	-2.5 to 2.5	Pass
					4.43	-12.55	-0.01	-2.5 to 2.5	Pass
					3.85	-8.23	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.23	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.18	-0.00	-2.5 to 2.5	Pass
				40	3.85	-8.27	-0.00	-2.5 to 2.5	Pass
				50	3.85	-8.03	-0.00	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-8.20	-0.00	-2.5 to 2.5	Pass
					3.85	-5.61	-0.00	-2.5 to 2.5	Pass
					4.43	-7.44	-0.00	-2.5 to 2.5	Pass
					3.85	-6.88	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-6.88	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.58	-0.00	-2.5 to 2.5	Pass
				30	3.85	-9.58	-0.01	-2.5 to 2.5	Pass
				40	3.85	-1.60	-0.00	-2.5 to 2.5	Pass
				50	3.85	-5.88	-0.00	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.71	-0.00	-2.5 to 2.5	Pass
					3.85	-6.68	-0.00	-2.5 to 2.5	Pass
					4.43	-3.00	-0.00	-2.5 to 2.5	Pass
					3.85	-2.52	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.52	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.38	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.42	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.33	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.76	-0.00	-2.5 to 2.5	Pass

1.8. LTE_B12_1.4MHz

1.8.1. Test Result

Band: 12 / 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	699.7	6	0	20	3.27	-6.81	-0.01	-2.5 to 2.5	Pass
					3.85	-7.98	-0.01	-2.5 to 2.5	Pass
					4.43	-8.14	-0.01	-2.5 to 2.5	Pass
					3.85	-7.18	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.05	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.68	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.22	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.59	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.93	-0.01	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-3.93	-0.01	-2.5 to 2.5	Pass



					3.85	-6.29	-0.01	-2.5 to 2.5	Pass
					4.43	-2.45	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.24	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.69	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.72	-0.01	-2.5 to 2.5	Pass
				40	3.85	-1.14	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-5.97	-0.01	-2.5 to 2.5	Pass
					3.85	-5.91	-0.01	-2.5 to 2.5	Pass
					4.43	-4.29	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.62	-0.01	-2.5 to 2.5	Pass
				0	3.85	-2.65	-0.00	-2.5 to 2.5	Pass
				10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.96	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.63	-0.01	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-6.72	-0.01	-2.5 to 2.5	Pass
					3.85	-5.42	-0.01	-2.5 to 2.5	Pass
					4.43	-5.39	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.51	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.23	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.97	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.07	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.98	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.19	-0.01	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.22	-0.01	-2.5 to 2.5	Pass
					3.85	-6.87	-0.01	-2.5 to 2.5	Pass
					4.43	-7.48	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-10.33	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.55	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.18	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.66	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.81	-0.01	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-5.89	-0.01	-2.5 to 2.5	Pass
					3.85	-3.92	-0.01	-2.5 to 2.5	Pass
					4.43	-3.38	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.51	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.62	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.33	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.06	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.88	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.02	-0.01	-2.5 to 2.5	Pass

1.9. LTE_B12_3MHz

1.9.1. Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-9.07	-0.01	-2.5 to 2.5	Pass
					3.85	-7.50	-0.01	-2.5 to 2.5	Pass
					4.43	-6.41	-0.01	-2.5 to 2.5	Pass



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				-10	3.85	-6.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.35	-0.01	-2.5 to 2.5	Pass
				10	3.85	-3.19	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.29	-0.00	-2.5 to 2.5	Pass
				50	3.85	-4.39	-0.01	-2.5 to 2.5	Pass
				20	3.27	-4.03	-0.01	-2.5 to 2.5	Pass
					3.85	-3.75	-0.01	-2.5 to 2.5	Pass
					4.43	-4.11	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-1.06	-0.00	-2.5 to 2.5	Pass
	707.5	15	0	0	3.85	-1.90	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.33	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.60	0.00	-2.5 to 2.5	Pass
				50	3.85	-3.26	-0.00	-2.5 to 2.5	Pass
				20	3.27	-3.45	-0.00	-2.5 to 2.5	Pass
					3.85	-5.26	-0.01	-2.5 to 2.5	Pass
					4.43	-3.16	-0.00	-2.5 to 2.5	Pass
	714.5	15	0	-10	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.32	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.56	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.76	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.02	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.47	-0.01	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-7.07	-0.01	-2.5 to 2.5	Pass
					3.85	-2.19	-0.00	-2.5 to 2.5	Pass
					4.43	-4.96	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.86	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.84	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.61	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.65	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.58	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.57	-0.02	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-7.18	-0.01	-2.5 to 2.5	Pass
					3.85	-2.32	-0.00	-2.5 to 2.5	Pass
					4.43	-3.23	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.15	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.01	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.31	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.55	-0.01	-2.5 to 2.5	Pass
	714.5	15	0	50	3.85	-5.24	-0.01	-2.5 to 2.5	Pass
				20	3.27	-4.33	-0.01	-2.5 to 2.5	Pass
					3.85	-5.45	-0.01	-2.5 to 2.5	Pass
					4.43	-5.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.92	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.91	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.18	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.37	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.74	-0.01	-2.5 to 2.5	Pass



1.10. LTE_B12_5MHz

1.10.1. Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-5.89	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-9.28	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.44	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.90	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.27	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.91	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.90	-0.01	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.61	-0.01	-2.5 to 2.5	Pass
					3.85	-2.56	-0.00	-2.5 to 2.5	Pass
					4.43	-7.91	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.63	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.08	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.67	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.67	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.81	-0.01	-2.5 to 2.5	Pass
					3.85	-6.61	-0.01	-2.5 to 2.5	Pass
					4.43	-2.73	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.02	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.18	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.67	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.61	-0.01	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-9.57	-0.01	-2.5 to 2.5	Pass
					3.85	-7.65	-0.01	-2.5 to 2.5	Pass
					4.43	-7.12	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.48	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.76	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.96	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.33	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.91	-0.01	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.54	-0.01	-2.5 to 2.5	Pass
					3.85	-5.38	-0.01	-2.5 to 2.5	Pass
					4.43	-5.64	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.25	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.32	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.49	-0.00	-2.5 to 2.5	Pass
				40	3.85	-6.47	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.81	-0.01	-2.5 to 2.5	Pass
					3.85	-3.88	-0.01	-2.5 to 2.5	Pass
					4.43	-4.98	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.08	-0.01	-2.5 to 2.5	Pass



			0	3.85	-10.50	-0.01	-2.5 to 2.5	Pass
			10	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
			30	3.85	-3.63	-0.01	-2.5 to 2.5	Pass
			40	3.85	-6.21	-0.01	-2.5 to 2.5	Pass
			50	3.85	-3.88	-0.01	-2.5 to 2.5	Pass

1.11. LTE_B12_10MHz

1.11.1. Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-4.65	-0.01	-2.5 to 2.5	Pass
					3.85	-2.39	-0.00	-2.5 to 2.5	Pass
					4.43	-2.47	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.30	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.49	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.43	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.61	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.32	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.45	-0.01	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.62	-0.01	-2.5 to 2.5	Pass
					3.85	-5.06	-0.01	-2.5 to 2.5	Pass
					4.43	-6.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.93	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.94	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.75	-0.01	-2.5 to 2.5	Pass
				30	3.85	-11.56	-0.02	-2.5 to 2.5	Pass
				40	3.85	-7.84	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.73	-0.02	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.84	-0.01	-2.5 to 2.5	Pass
					3.85	-4.95	-0.01	-2.5 to 2.5	Pass
					4.43	-5.02	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.90	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.29	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.95	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.62	-0.01	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-3.79	-0.01	-2.5 to 2.5	Pass
					3.85	-6.39	-0.01	-2.5 to 2.5	Pass
					4.43	-6.29	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.99	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.49	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.77	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.87	-0.01	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.46	-0.00	-2.5 to 2.5	Pass
					3.85	-7.25	-0.01	-2.5 to 2.5	Pass
					4.43	-6.44	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.35	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.98	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.79	-0.00	-2.5 to 2.5	Pass



	711	50	0	30	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.72	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.55	-0.01	-2.5 to 2.5	Pass
				20	3.27	-2.39	-0.00	-2.5 to 2.5	Pass
					3.85	-6.71	-0.01	-2.5 to 2.5	Pass
					4.43	-6.69	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.79	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.61	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.95	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.92	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.03	-0.01	-2.5 to 2.5	Pass
				50	3.85	0.51	0.00	-2.5 to 2.5	Pass

1.12. LTE_B13_5MHz

1.12.1. Test Result

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.27	-0.96	-0.00	-2.5 to 2.5	Pass
					3.85	-5.14	-0.01	-2.5 to 2.5	Pass
					4.43	-5.14	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.98	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.74	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.23	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.33	-0.01	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-4.08	-0.01	-2.5 to 2.5	Pass
					3.85	-4.41	-0.01	-2.5 to 2.5	Pass
					4.43	-6.78	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.68	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.08	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.18	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.04	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.20	-0.01	-2.5 to 2.5	Pass
				50	3.85	-12.02	-0.02	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-7.38	-0.01	-2.5 to 2.5	Pass



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						3.85	-5.75	-0.01	-2.5 to 2.5	Pass
						4.43	-7.62	-0.01	-2.5 to 2.5	Pass
					-10	3.85	-7.44	-0.01	-2.5 to 2.5	Pass
					0	3.85	-5.34	-0.01	-2.5 to 2.5	Pass
					10	3.85	-5.18	-0.01	-2.5 to 2.5	Pass
					30	3.85	-5.38	-0.01	-2.5 to 2.5	Pass
					40	3.85	-6.84	-0.01	-2.5 to 2.5	Pass
					50	3.85	-7.25	-0.01	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20		3.27	-10.24	-0.01	-2.5 to 2.5	Pass
						3.85	-5.85	-0.01	-2.5 to 2.5	Pass
						4.43	-3.81	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-6.49	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-2.62	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-4.19	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-7.47	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-6.24	-0.01	-2.5 to 2.5	Pass	
	782	25	0	20		3.27	-0.63	-0.00	-2.5 to 2.5	Pass
						3.85	-3.93	-0.01	-2.5 to 2.5	Pass
						4.43	-4.96	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.23	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-7.61	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-3.85	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-5.29	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-3.50	-0.00	-2.5 to 2.5	Pass	
	784.5	25	0	20		3.27	-6.47	-0.01	-2.5 to 2.5	Pass
						3.85	-9.46	-0.01	-2.5 to 2.5	Pass
						4.43	-9.73	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.44	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-8.71	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-5.42	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-5.64	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-4.59	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-3.76	-0.00	-2.5 to 2.5	Pass	

1.13. LTE_B13_10MHz

1.13.1. Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.27	-4.79	-0.01	-2.5 to 2.5	Pass
					3.85	-4.98	-0.01	-2.5 to 2.5	Pass
					4.43	-3.08	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.03	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.32	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.50	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.72	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.08	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.53	-0.00	-2.5 to 2.5	Pass
	782	50	0	20	3.27	-3.15	-0.00	-2.5 to 2.5	Pass
					3.85	-3.29	-0.00	-2.5 to 2.5	Pass
					4.43	-3.46	-0.00	-2.5 to 2.5	Pass



				-10	3.85	-0.93	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.02	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.69	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.33	-0.00	-2.5 to 2.5	Pass
				50	3.85	-3.53	-0.00	-2.5 to 2.5	Pass
	782	50	0	20	3.27	-3.98	-0.01	-2.5 to 2.5	Pass
					3.85	-4.28	-0.01	-2.5 to 2.5	Pass
					4.43	-8.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.28	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.91	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.81	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.49	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.08	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.66	-0.01	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.27	-4.56	-0.01	-2.5 to 2.5	Pass
					3.85	-6.47	-0.01	-2.5 to 2.5	Pass
					4.43	-7.87	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.90	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.78	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.98	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.27	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.69	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.88	-0.01	-2.5 to 2.5	Pass
	782	50	0	20	3.27	-6.09	-0.01	-2.5 to 2.5	Pass
					3.85	-4.99	-0.01	-2.5 to 2.5	Pass
					4.43	-3.83	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.92	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.04	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.71	-0.00	-2.5 to 2.5	Pass
				50	3.85	-5.04	-0.01	-2.5 to 2.5	Pass
	782	50	0	20	3.27	-6.77	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-7.51	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.95	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.38	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.51	-0.01	-2.5 to 2.5	Pass
				30	3.85	-0.82	-0.00	-2.5 to 2.5	Pass
				40	3.85	-9.13	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.77	-0.01	-2.5 to 2.5	Pass

1.14. LTE_B17_5MHz

1.14.1. Test Result

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-4.31	-0.01	-2.5 to 2.5	Pass
					3.85	-4.23	-0.01	-2.5 to 2.5	Pass



					4.43	-2.60	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.12	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.64	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.46	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
				40	3.85	-7.10	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.02	-0.01	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-6.85	-0.01	-2.5 to 2.5	Pass
					3.85	-6.45	-0.01	-2.5 to 2.5	Pass
					4.43	-7.32	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.58	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.50	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.81	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.48	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.89	-0.01	-2.5 to 2.5	Pass
				50	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-10.39	-0.01	-2.5 to 2.5	Pass
					3.85	-7.10	-0.01	-2.5 to 2.5	Pass
					4.43	-6.47	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.59	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.51	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.45	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.46	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-6.74	-0.01	-2.5 to 2.5	Pass
					3.85	-0.94	-0.00	-2.5 to 2.5	Pass
					4.43	-4.15	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.50	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.53	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.74	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.96	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.79	-0.00	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-8.48	-0.01	-2.5 to 2.5	Pass
					3.85	-5.71	-0.01	-2.5 to 2.5	Pass
					4.43	-4.89	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.17	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.03	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.94	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.58	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.10	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.12	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.94	-0.01	-2.5 to 2.5	Pass
					3.85	-6.22	-0.01	-2.5 to 2.5	Pass
					4.43	-7.30	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.29	-0.01	-2.5 to 2.5	Pass
				0	3.85	-11.92	-0.02	-2.5 to 2.5	Pass
				10	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.61	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.32	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.35	-0.00	-2.5 to 2.5	Pass

**1.15. LTE_B17_10MHz****1.15.1. Test Result**

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-8.21	-0.01	-2.5 to 2.5	Pass
					3.85	-7.52	-0.01	-2.5 to 2.5	Pass
					4.43	-6.42	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.27	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.17	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.24	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.90	-0.01	-2.5 to 2.5	Pass
				50	3.85	-8.73	-0.01	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-9.98	-0.01	-2.5 to 2.5	Pass
					3.85	-6.28	-0.01	-2.5 to 2.5	Pass
					4.43	-6.61	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.62	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.38	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.69	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.11	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.28	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-2.19	-0.00	-2.5 to 2.5	Pass
					3.85	-4.03	-0.01	-2.5 to 2.5	Pass
					4.43	-9.10	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.95	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.67	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.95	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.09	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.88	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.16	-0.01	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-6.90	-0.01	-2.5 to 2.5	Pass
					3.85	-5.92	-0.01	-2.5 to 2.5	Pass
					4.43	-5.81	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.35	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.79	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.18	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.94	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.71	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.09	-0.01	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-2.72	-0.00	-2.5 to 2.5	Pass
					3.85	-8.07	-0.01	-2.5 to 2.5	Pass
					4.43	-4.76	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.40	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.33	-0.00	-2.5 to 2.5	Pass
				10	3.85	-6.12	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.21	-0.01	-2.5 to 2.5	Pass
				50	3.85	-1.75	-0.00	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-3.93	-0.01	-2.5 to 2.5	Pass
					3.85	-0.67	-0.00	-2.5 to 2.5	Pass
					4.43	-7.82	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.29	-0.01	-2.5 to 2.5	Pass



				0	3.85	-5.49	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.45	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.46	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.45	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.82	-0.01	-2.5 to 2.5	Pass

2. 99% & 26dB Bandwidth

2.1. WCDMA_Band4_OBW

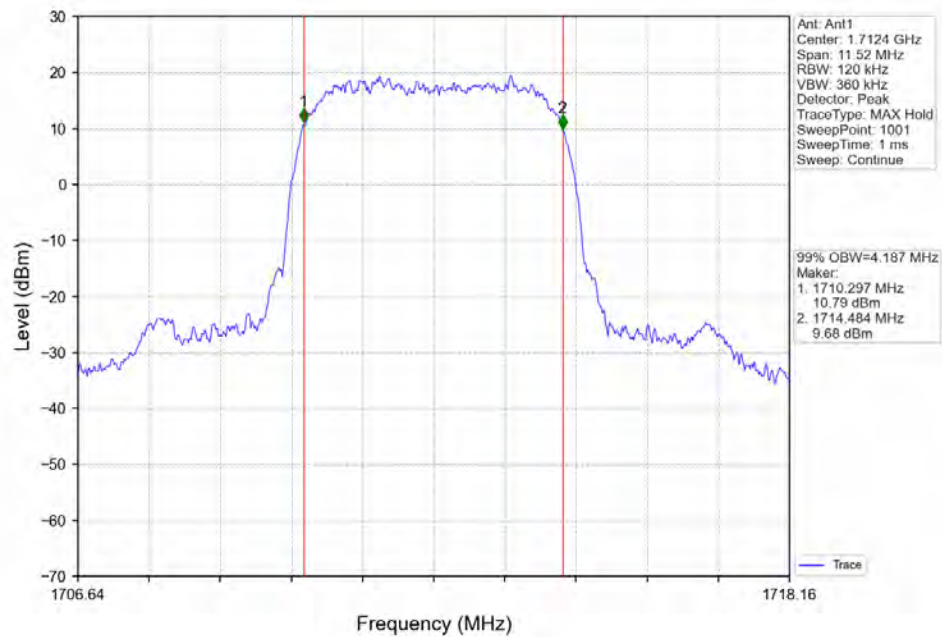
2.1.1. Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.187	Pass
			1732.6	4.188	Pass
			1752.6	4.181	Pass

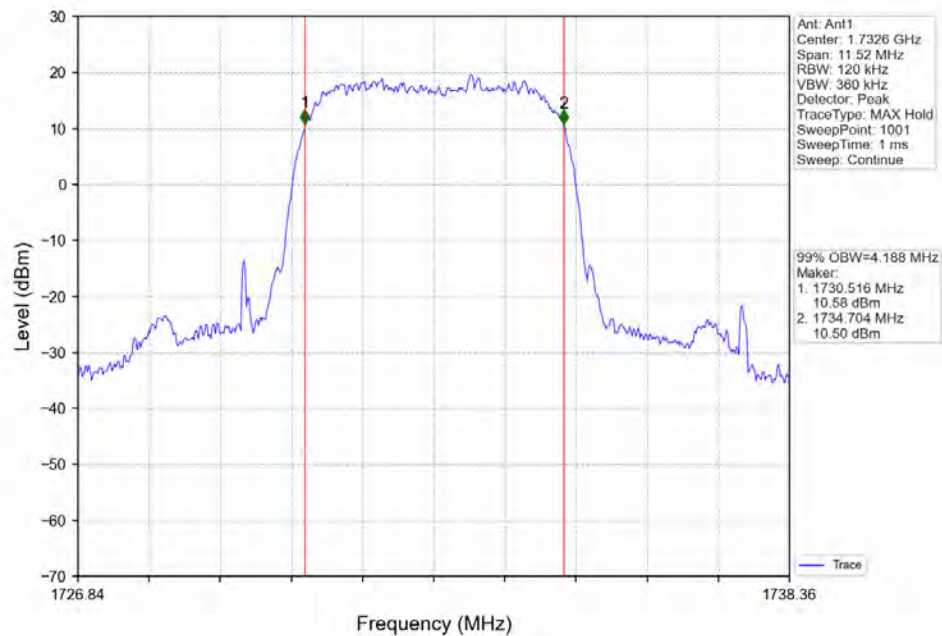


2.1.2. Test Graph

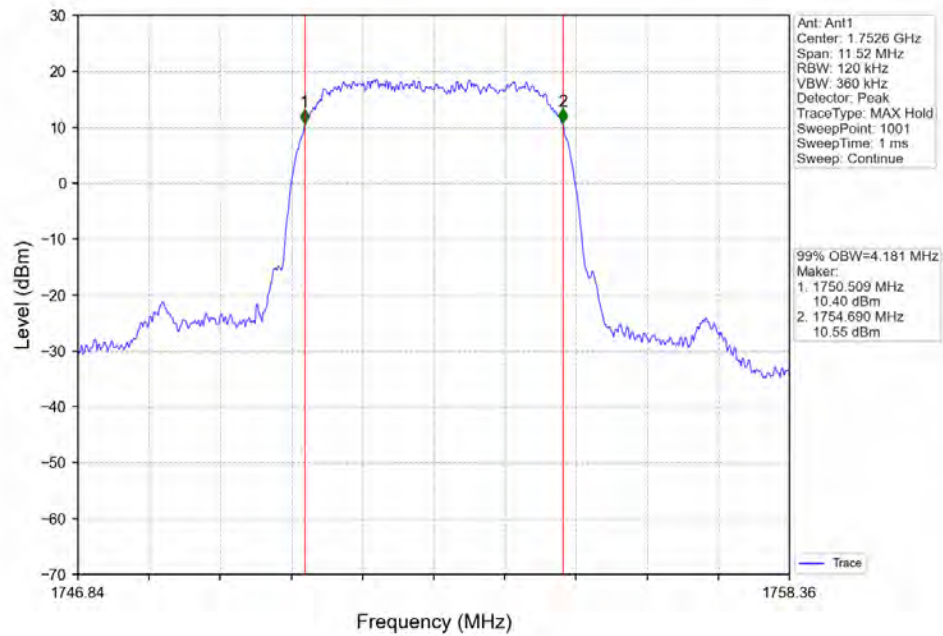
Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV





2.2. LTE_B4_OBW

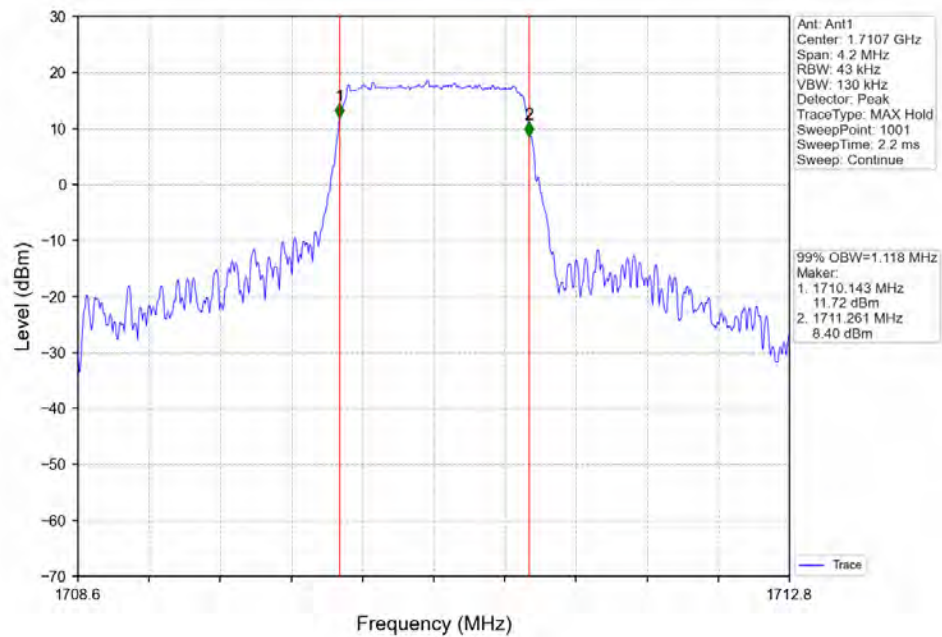
2.2.1. Test Result

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	1.118	Pass
		1732.5	6	0	1.128	Pass
		1754.3	6	0	1.107	Pass
	16QAM	1710.7	6	0	1.110	Pass
		1732.5	6	0	1.118	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.733	Pass
		1732.5	15	0	2.726	Pass
		1753.5	15	0	2.726	Pass
	16QAM	1711.5	15	0	2.728	Pass
		1732.5	15	0	2.719	Pass
		1753.5	15	0	2.717	Pass
5	QPSK	1712.5	25	0	4.551	Pass
		1732.5	25	0	4.535	Pass
		1752.5	25	0	4.534	Pass
	16QAM	1712.5	25	0	4.531	Pass
		1732.5	25	0	4.543	Pass
		1752.5	25	0	4.546	Pass
10	QPSK	1715	50	0	9.073	Pass
		1732.5	50	0	9.057	Pass
		1750	50	0	9.072	Pass
	16QAM	1715	50	0	9.052	Pass
		1732.5	50	0	9.069	Pass
		1750	50	0	9.062	Pass
15	QPSK	1717.5	75	0	13.610	Pass
		1732.5	75	0	13.564	Pass
		1747.5	75	0	13.609	Pass
	16QAM	1717.5	75	0	13.602	Pass
		1732.5	75	0	13.601	Pass
		1747.5	75	0	13.588	Pass
20	QPSK	1720	100	0	18.146	Pass
		1732.5	100	0	18.119	Pass
		1745	100	0	18.113	Pass
	16QAM	1720	100	0	18.218	Pass
		1732.5	100	0	18.117	Pass
		1745	100	0	18.075	Pass

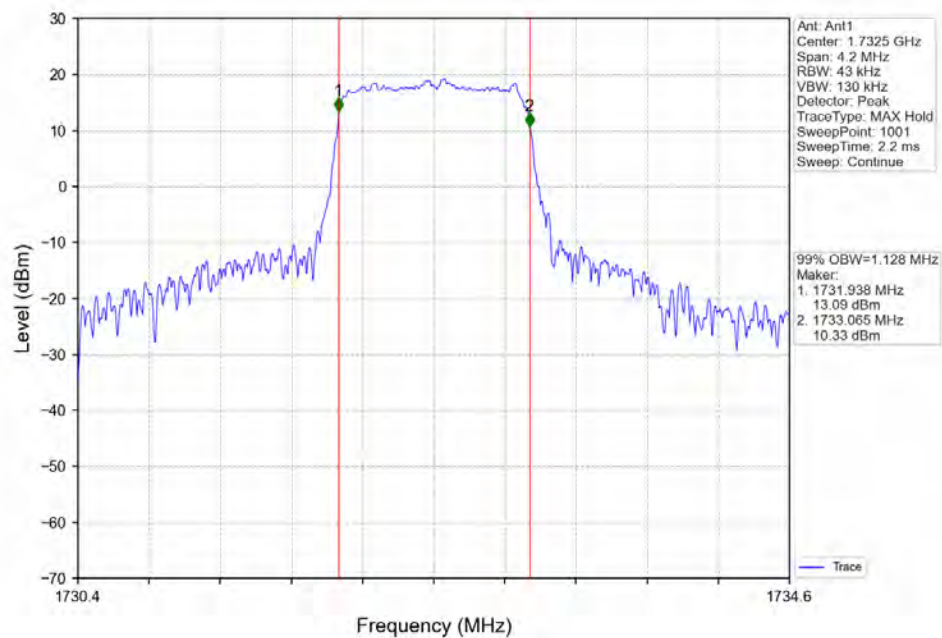


2.2.2. Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

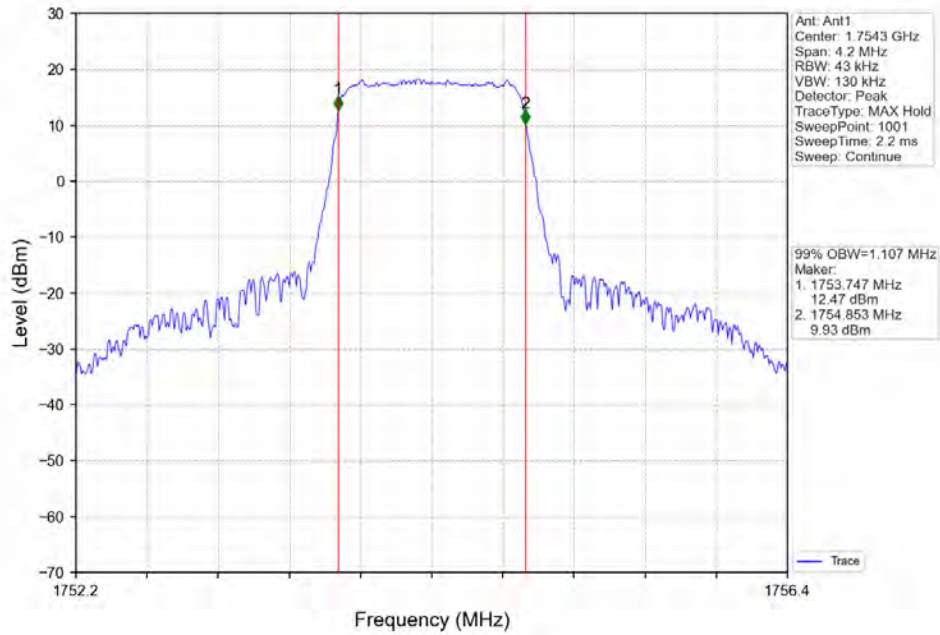


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

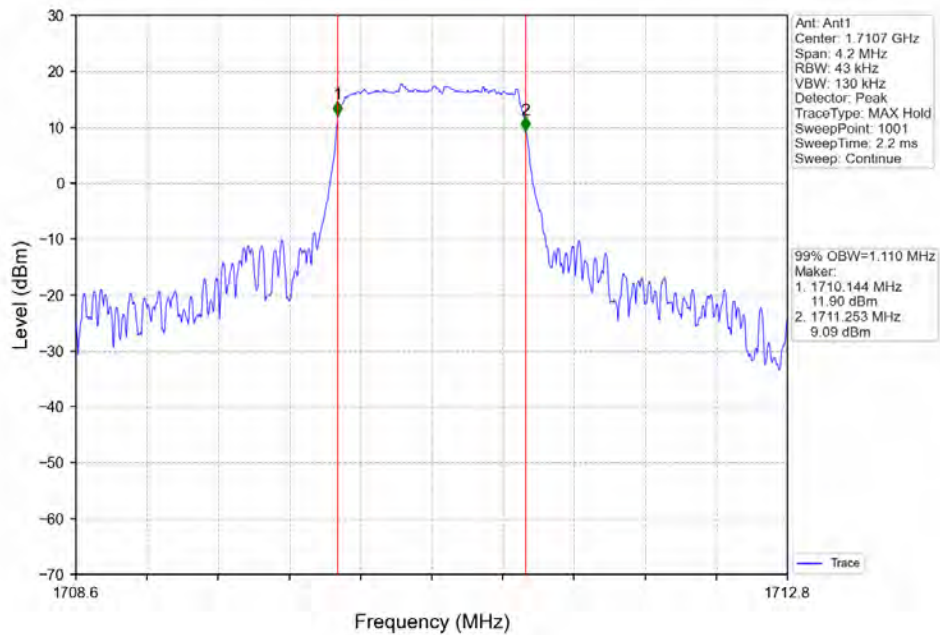




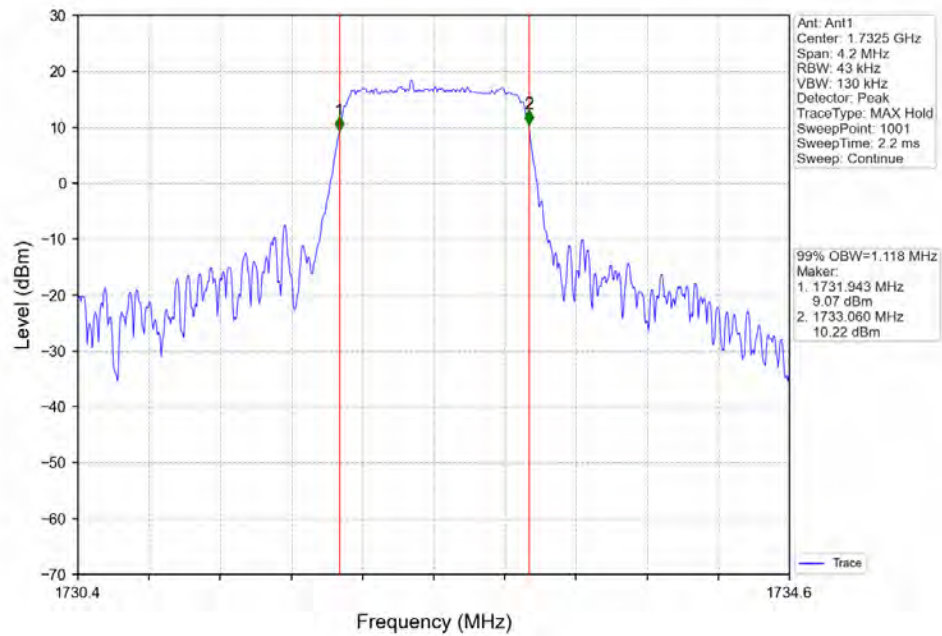
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



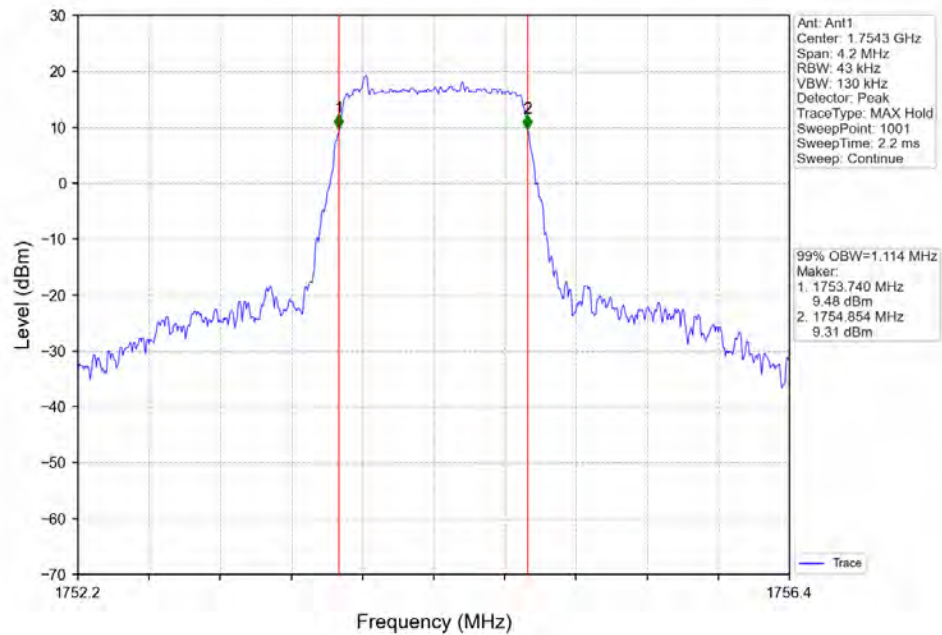
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV

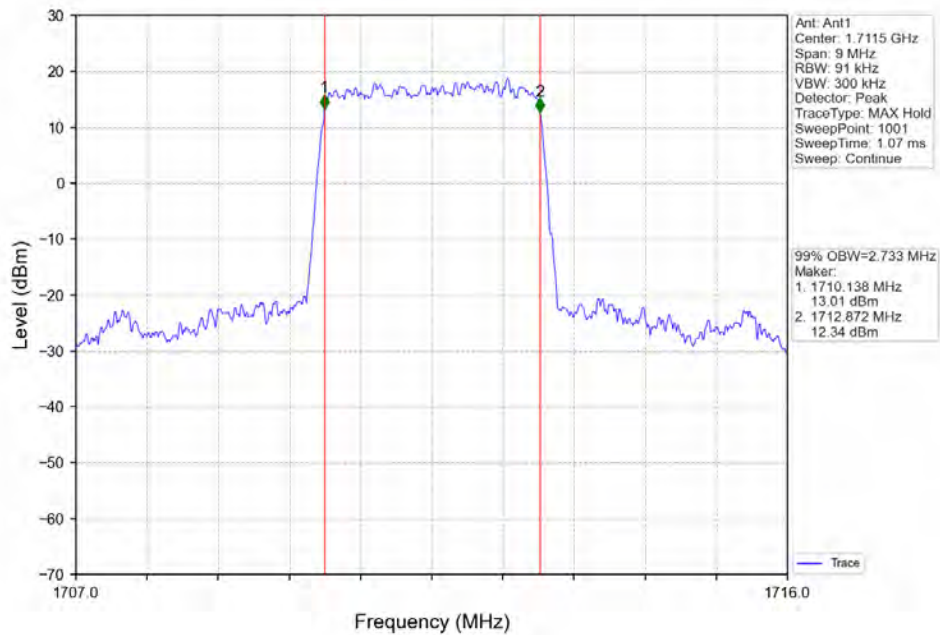


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

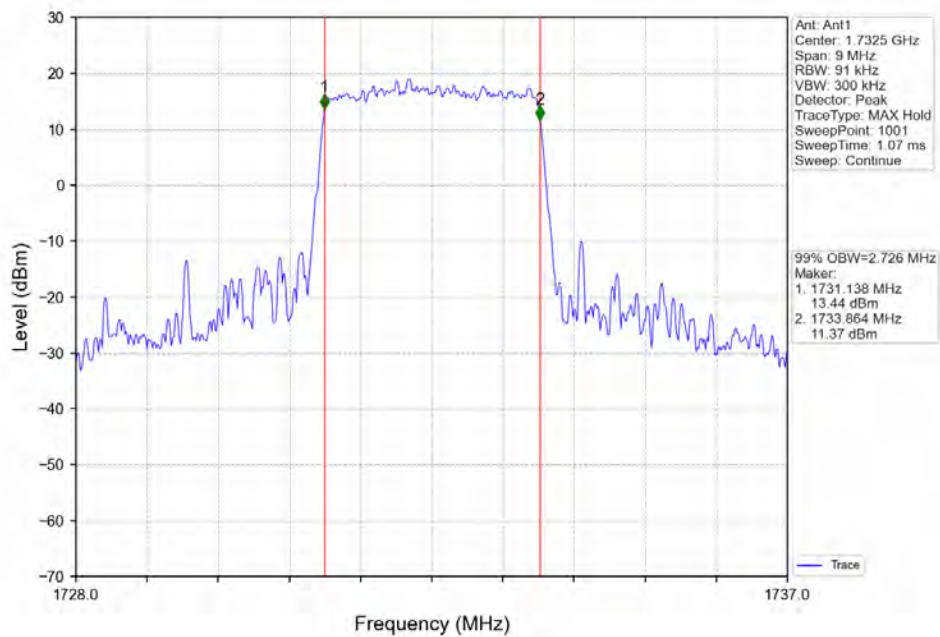




Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

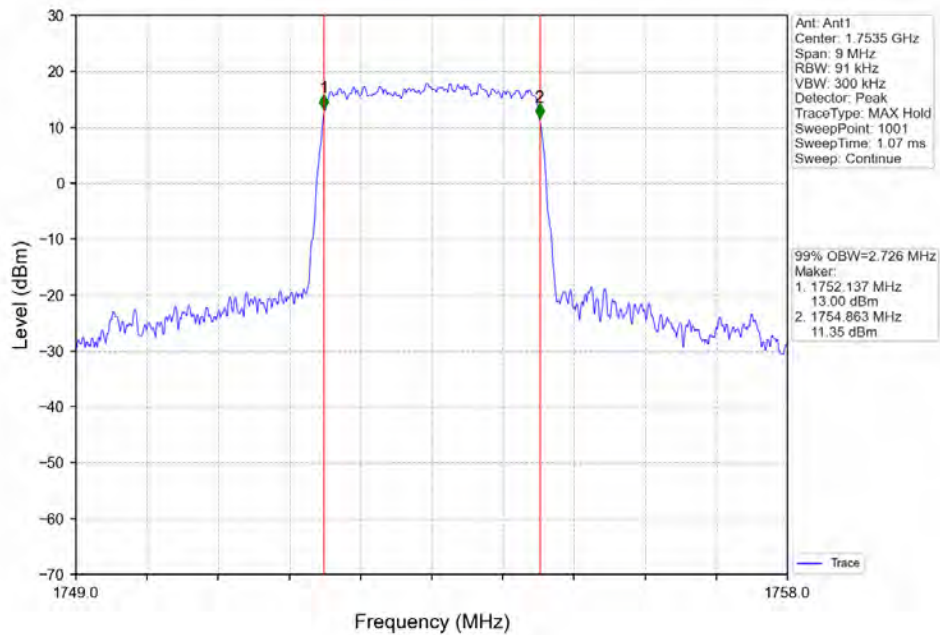


Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV

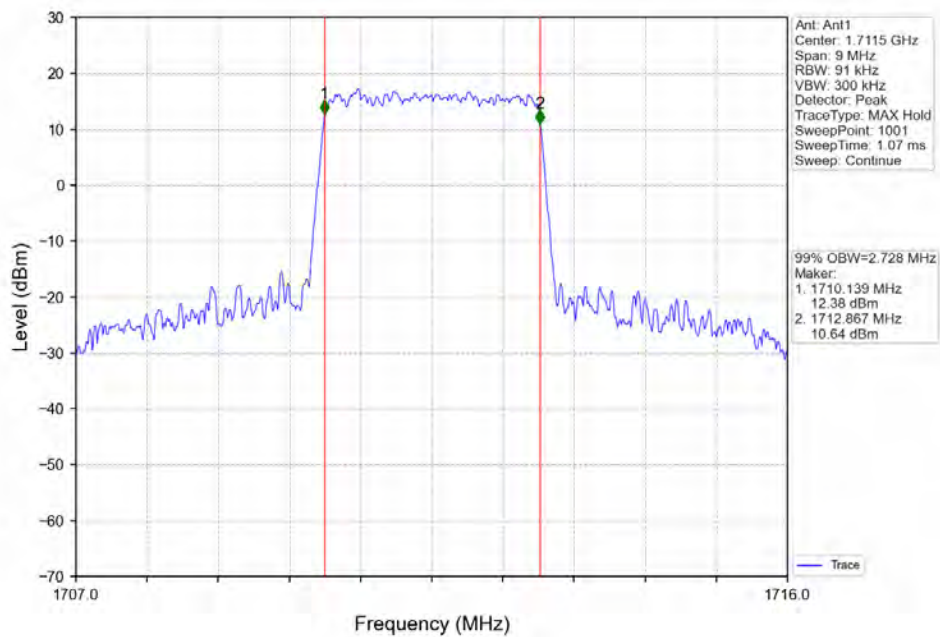




Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

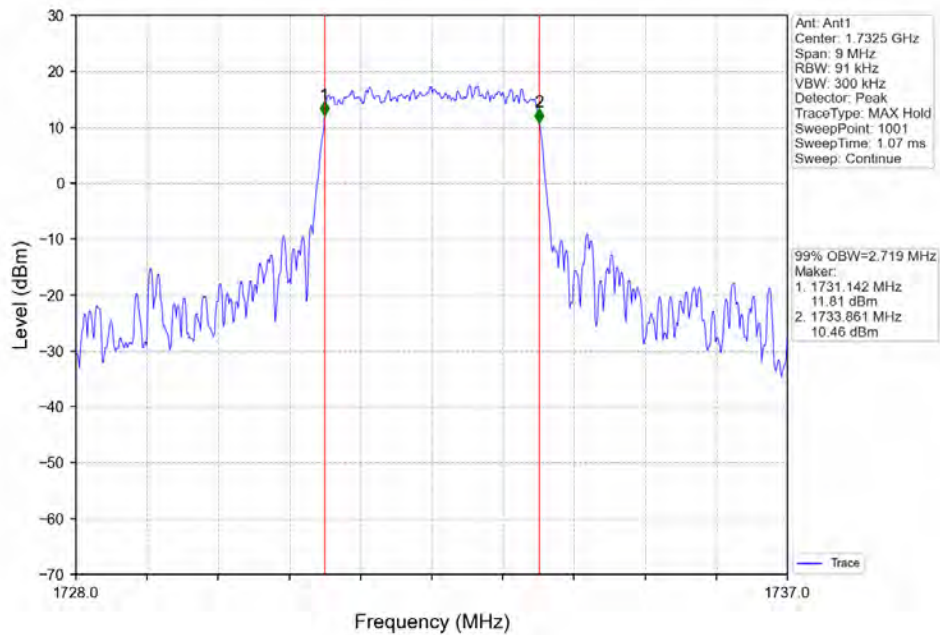


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV

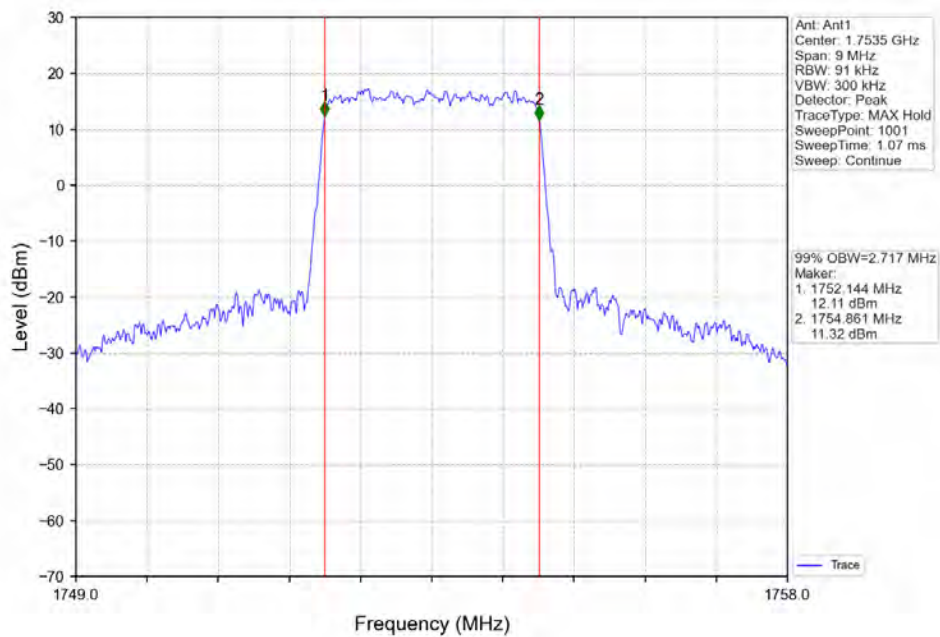




Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV

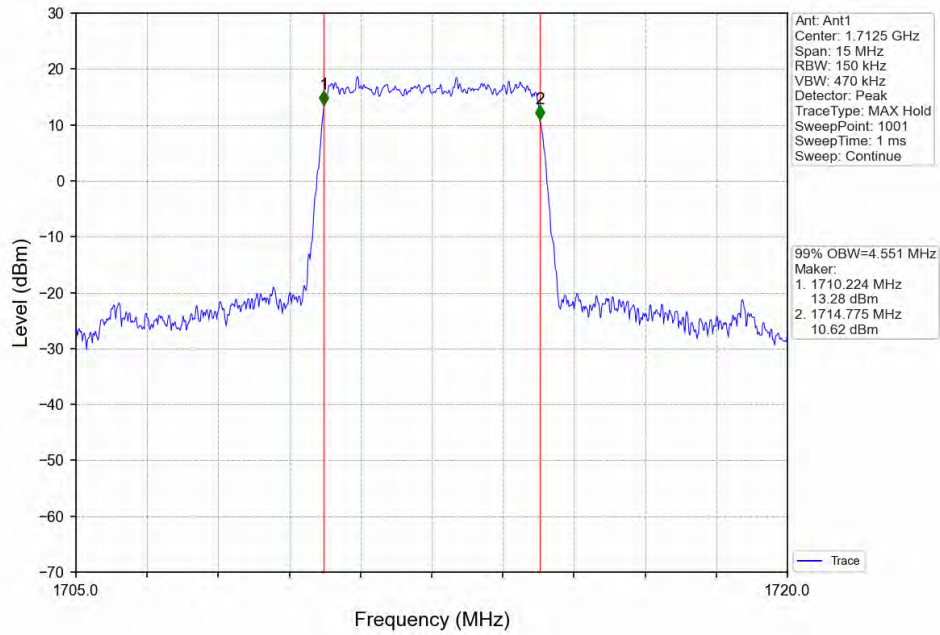


Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

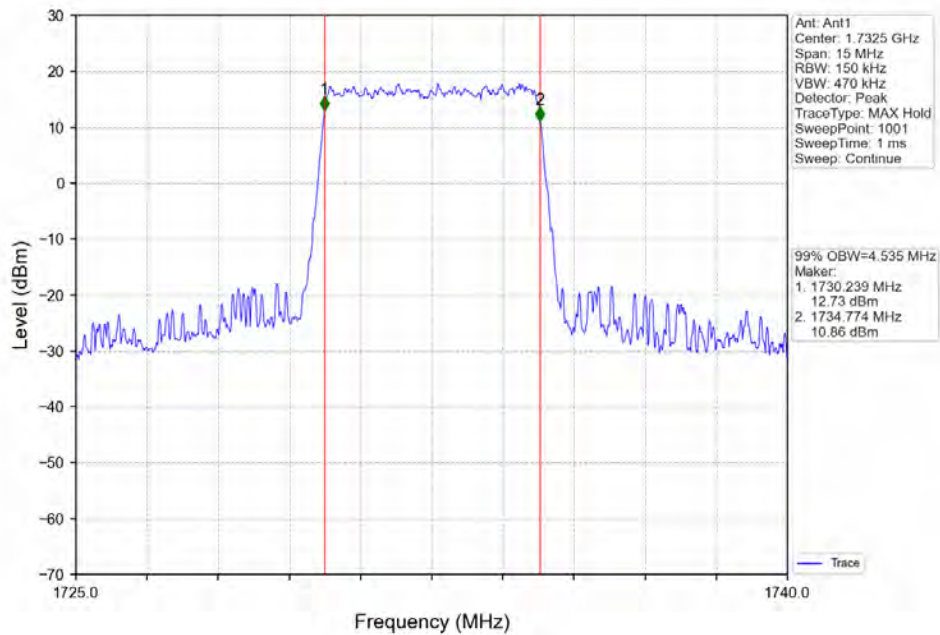




Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

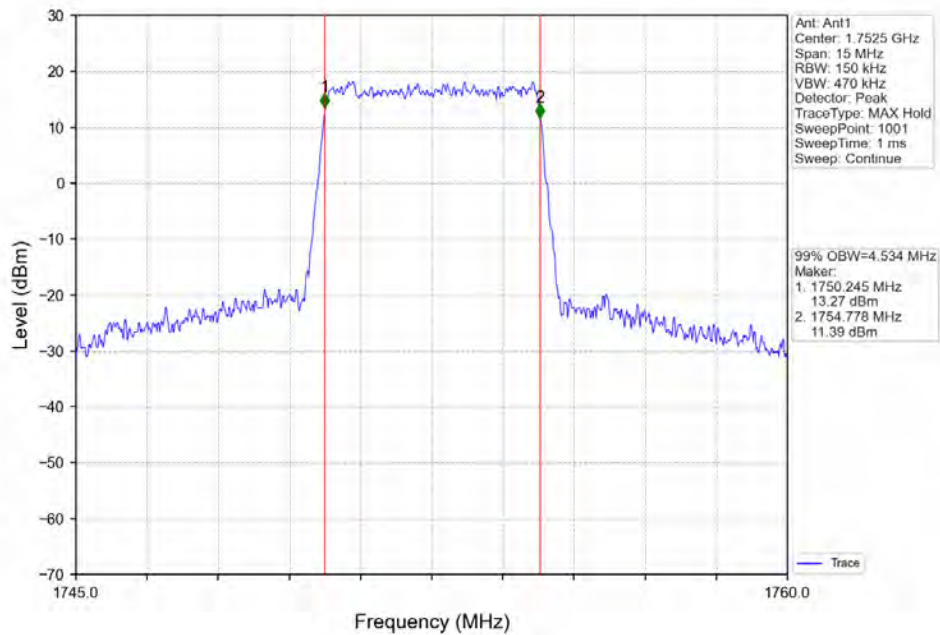


Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV

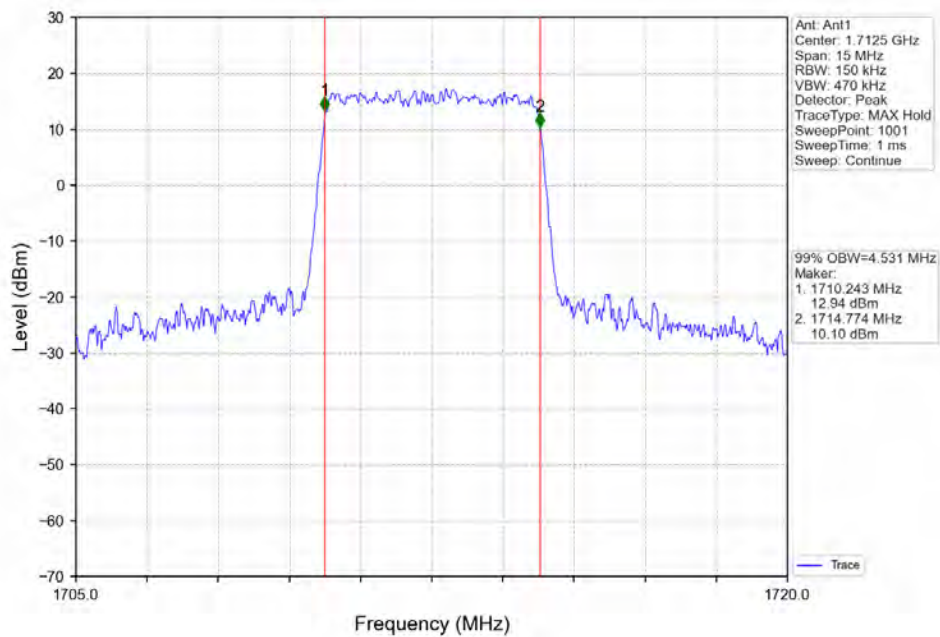




Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

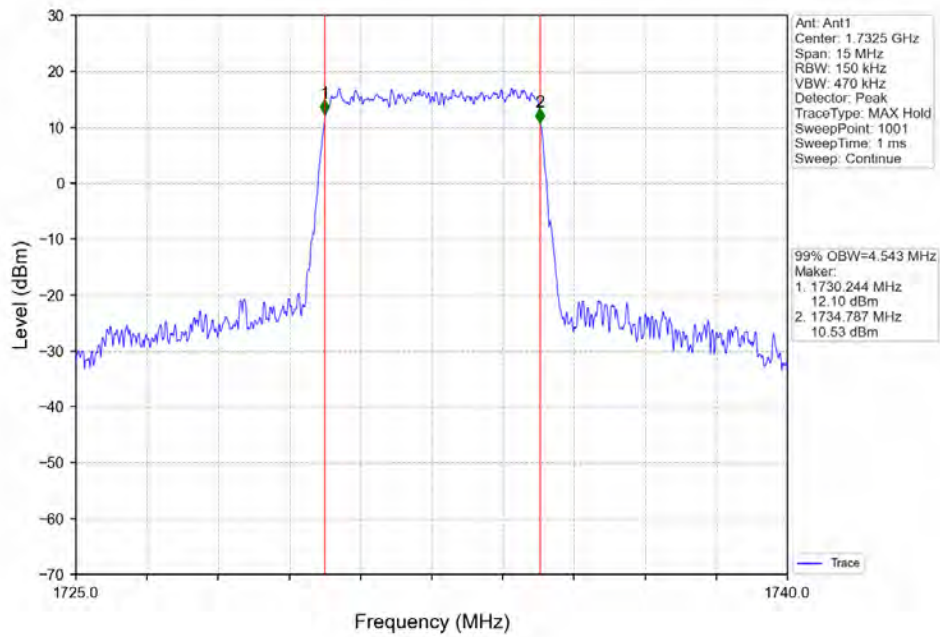


Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTV

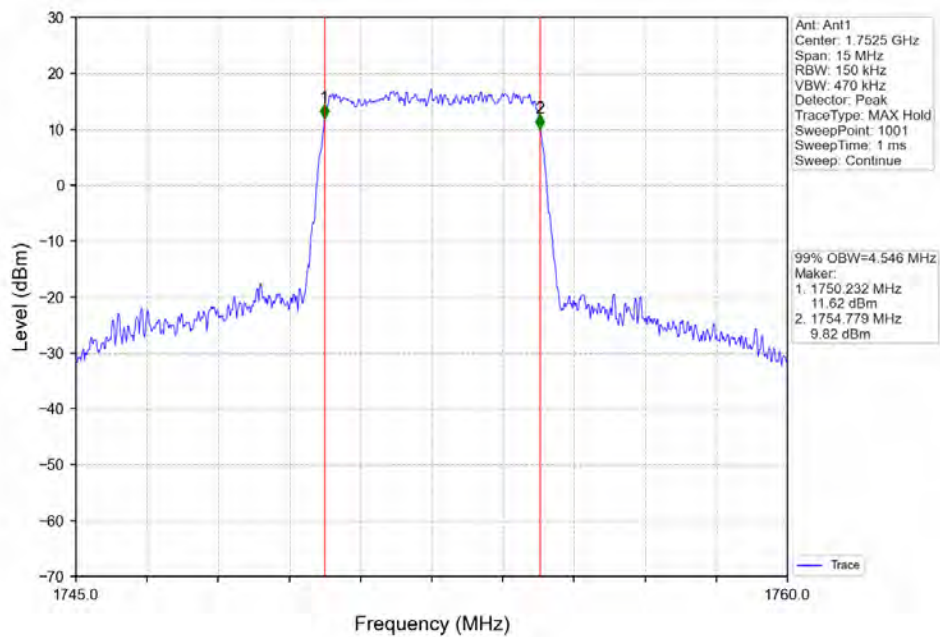




Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV

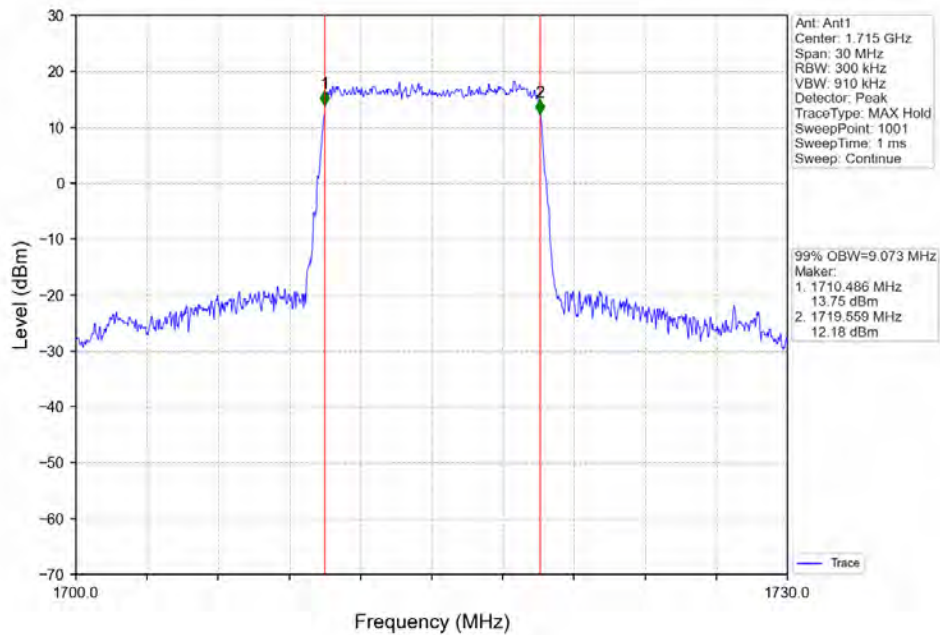


Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

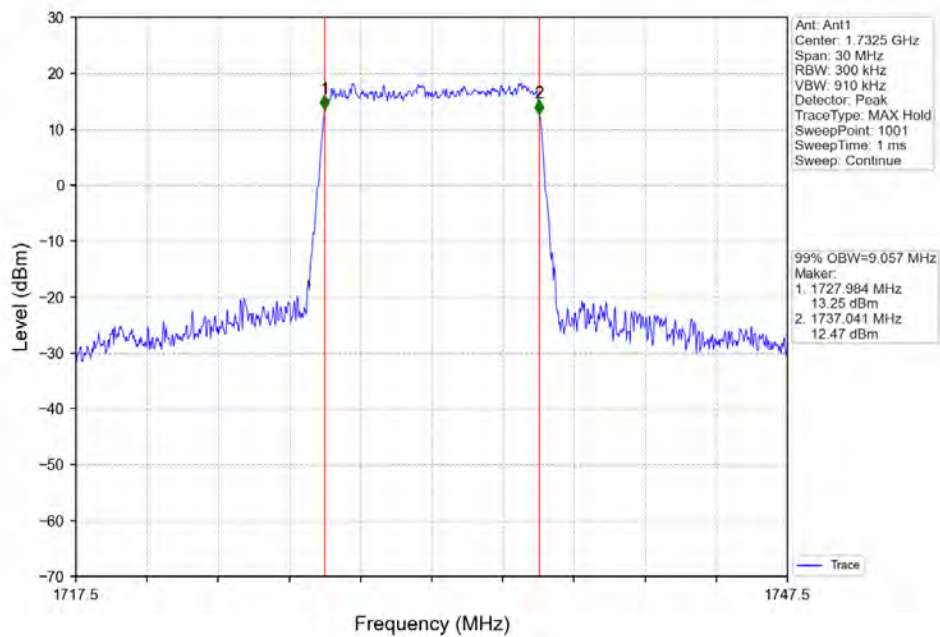




Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

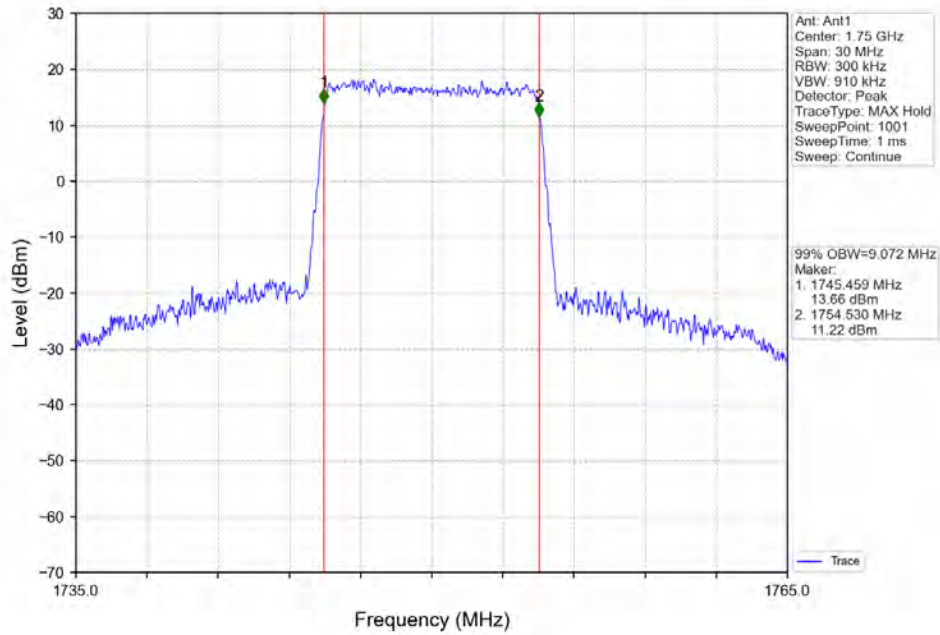


Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV

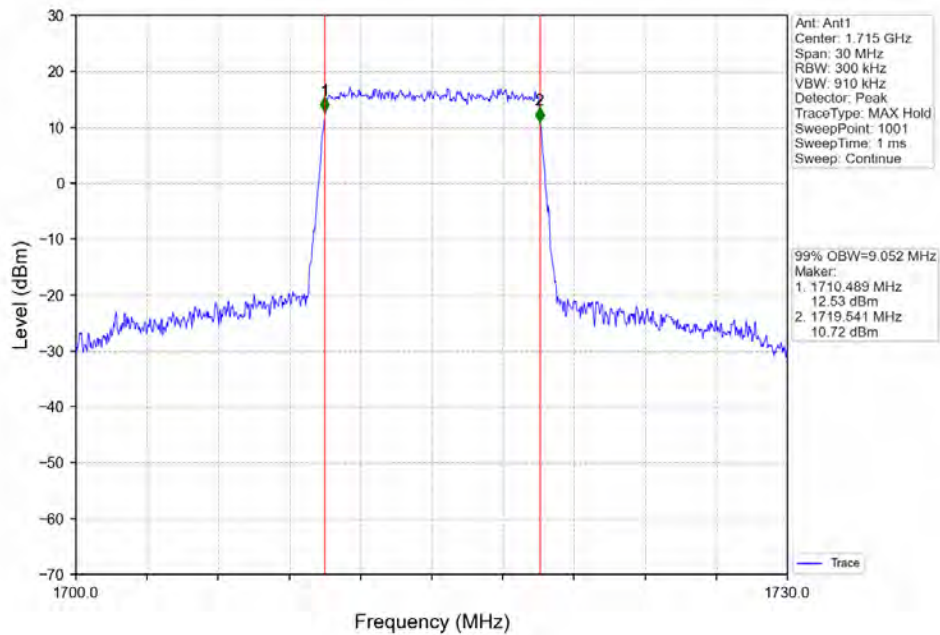




Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

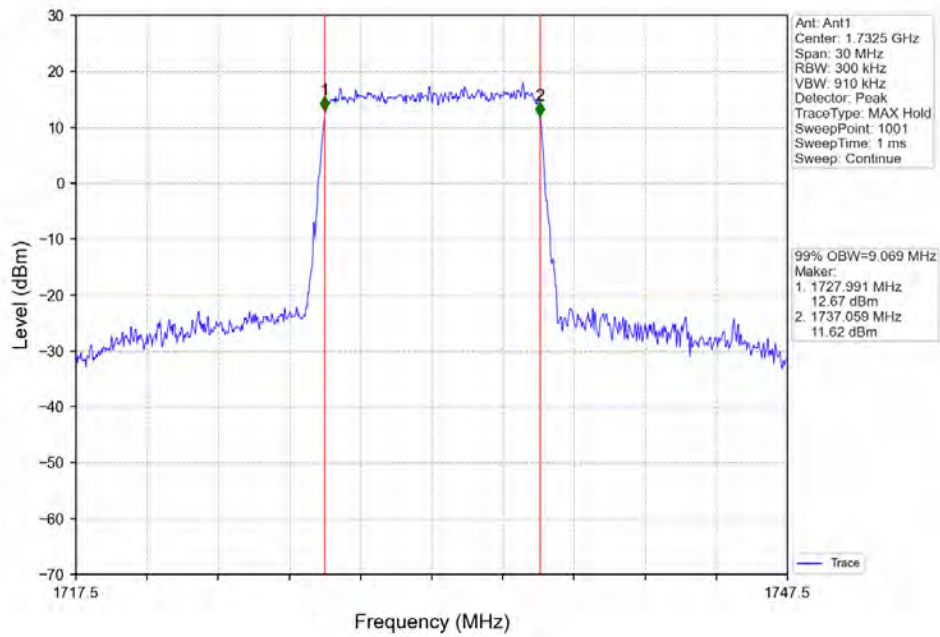


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

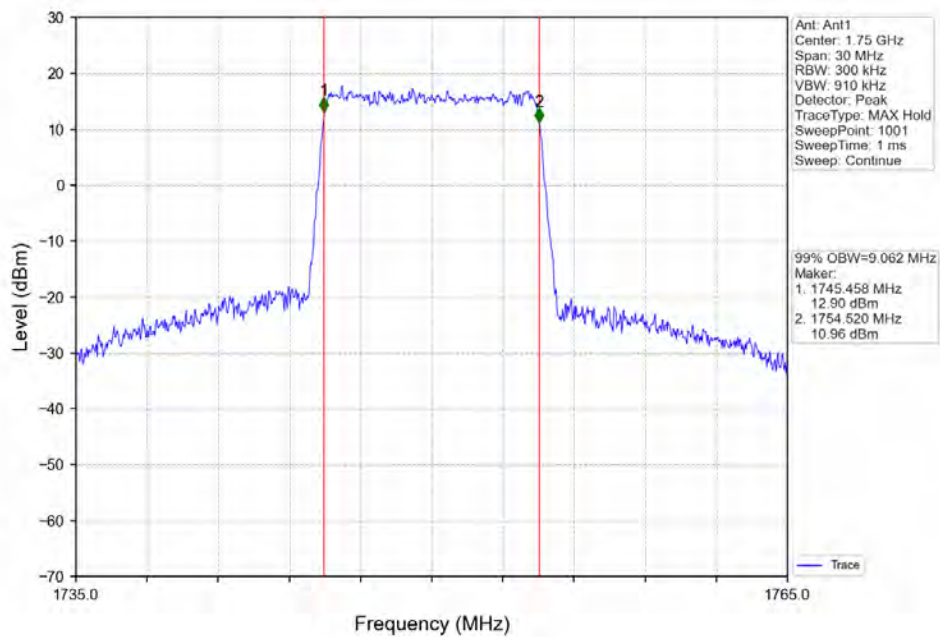




Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV

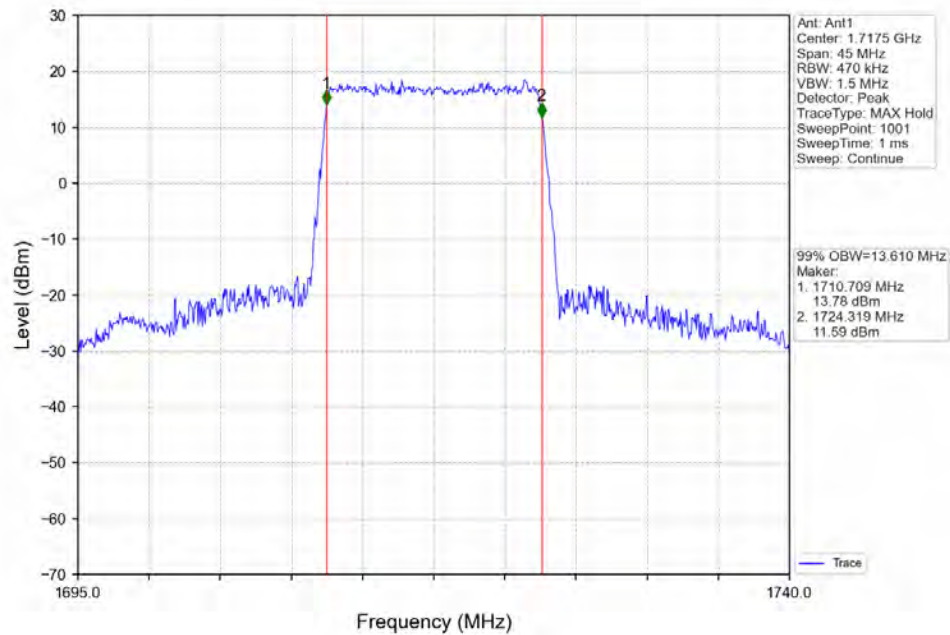


Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

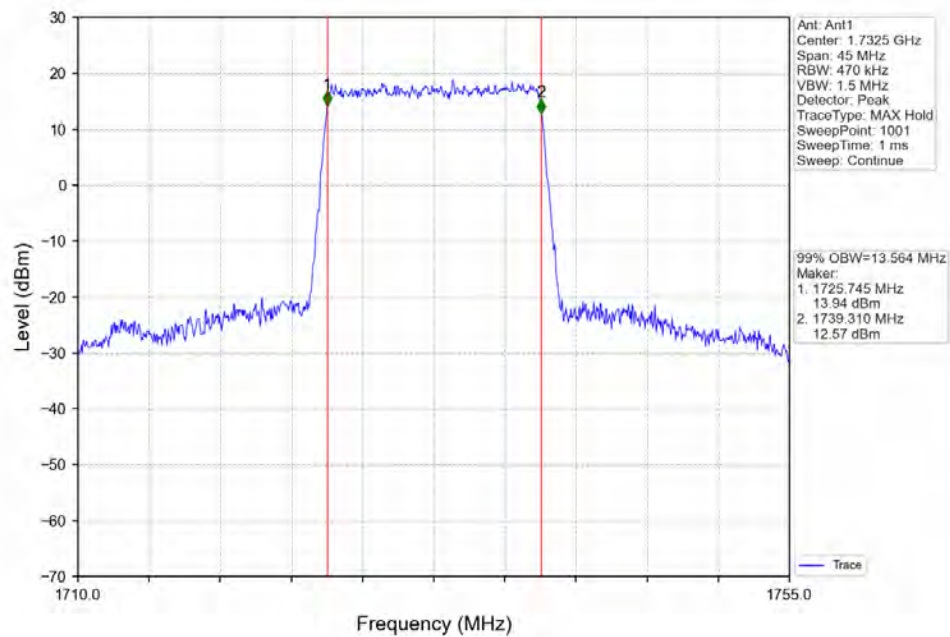




Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

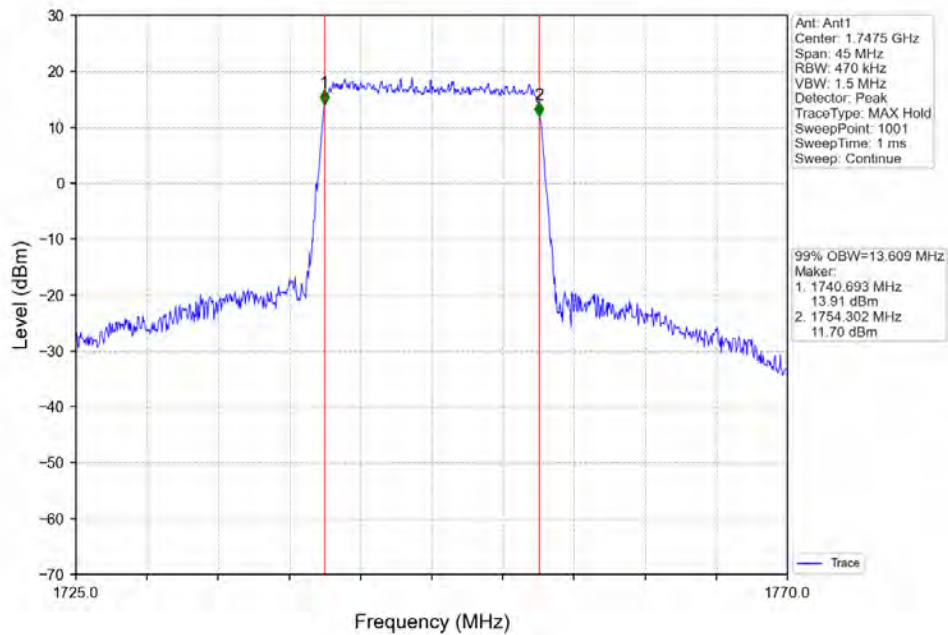


Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV

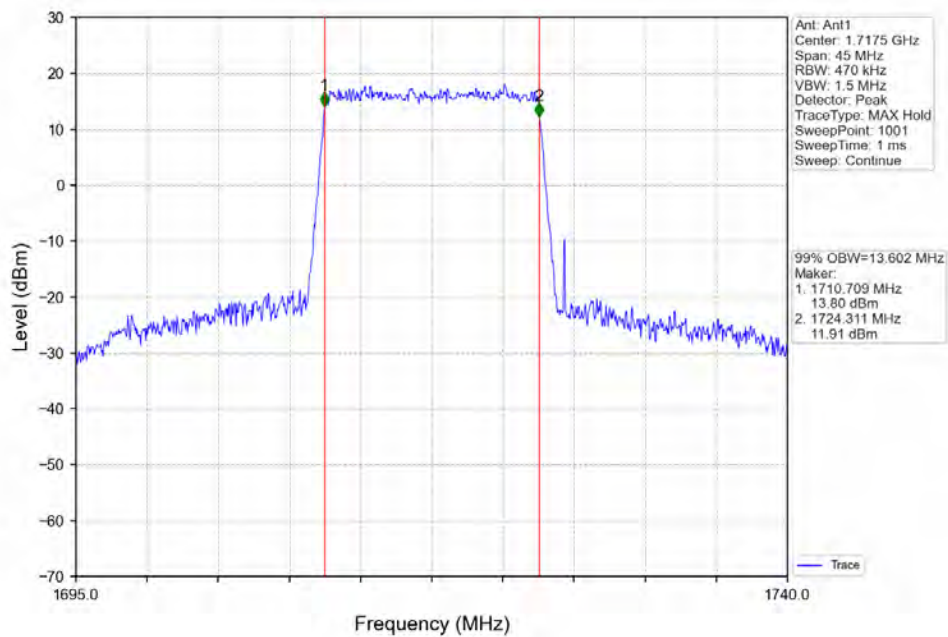




Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

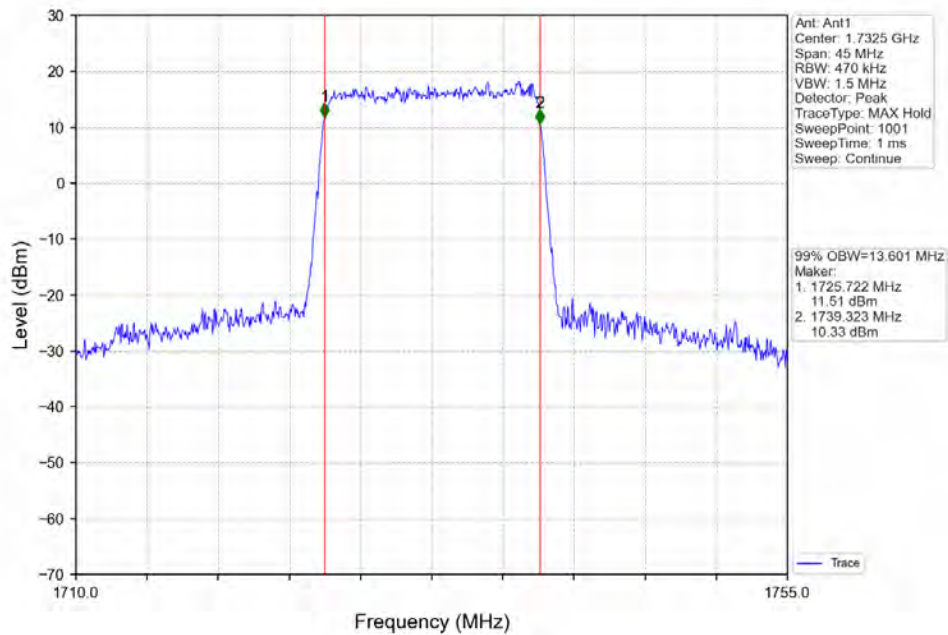


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

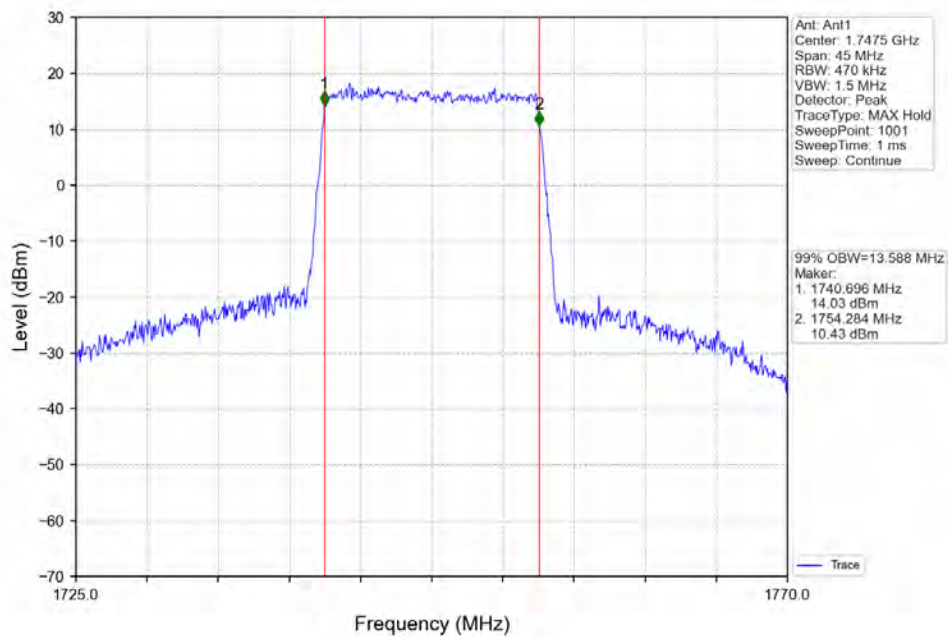




Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV

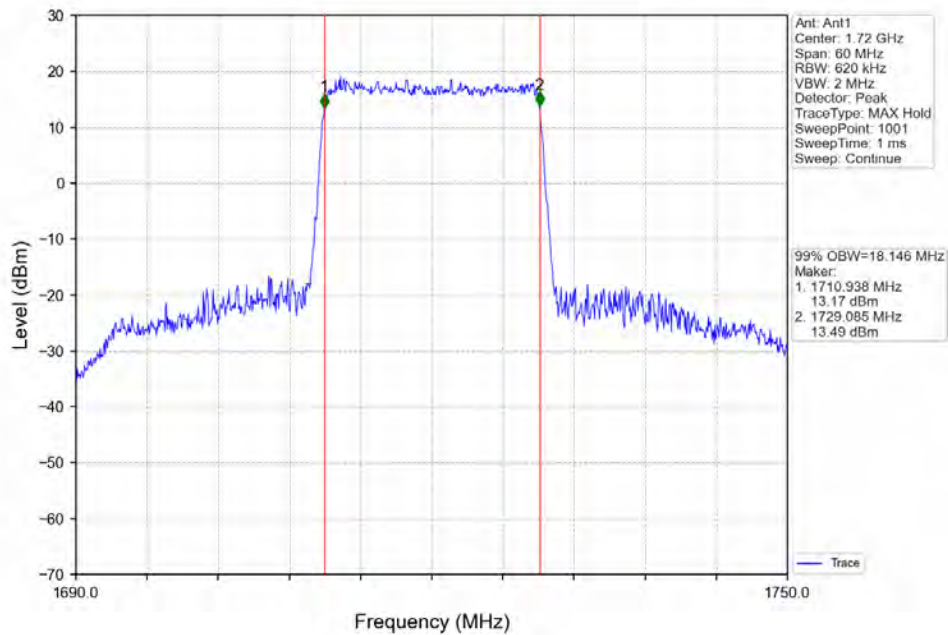


Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

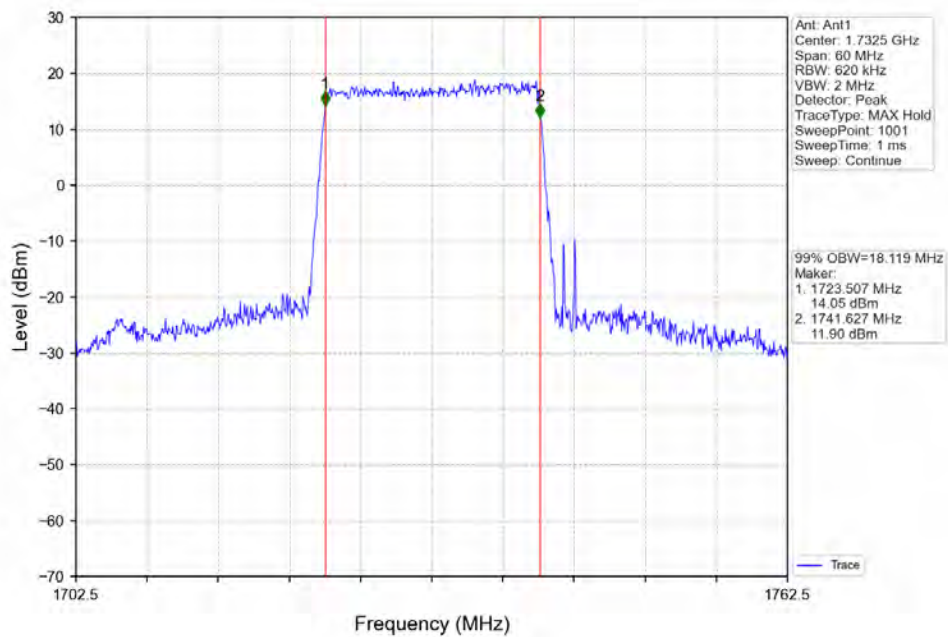




Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

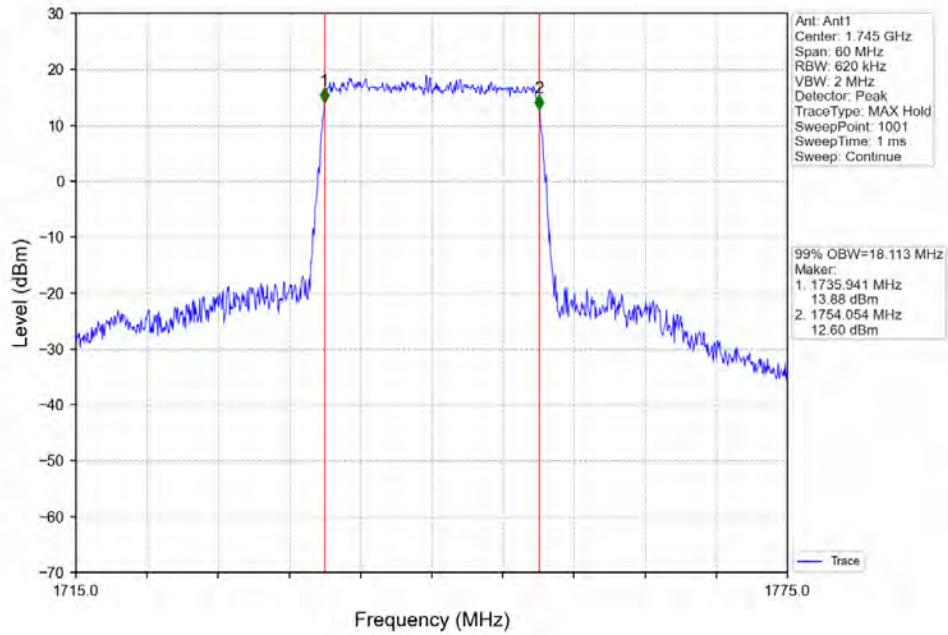


Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV

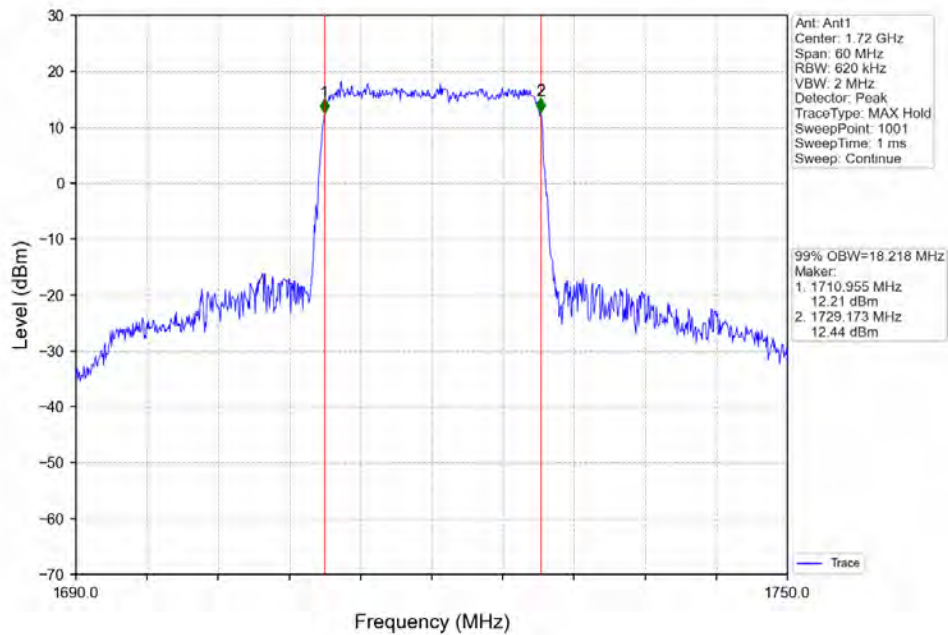




Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV

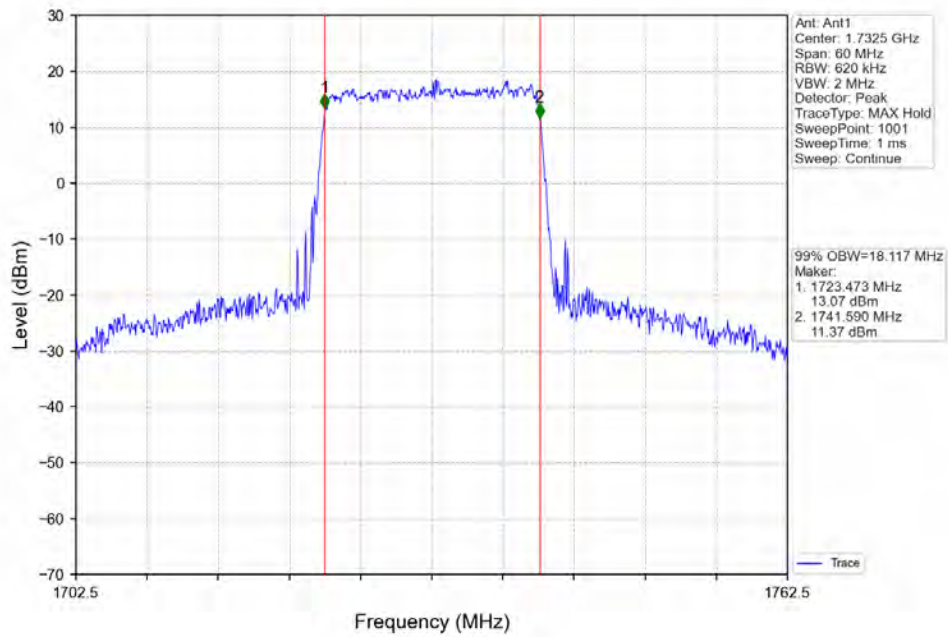


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

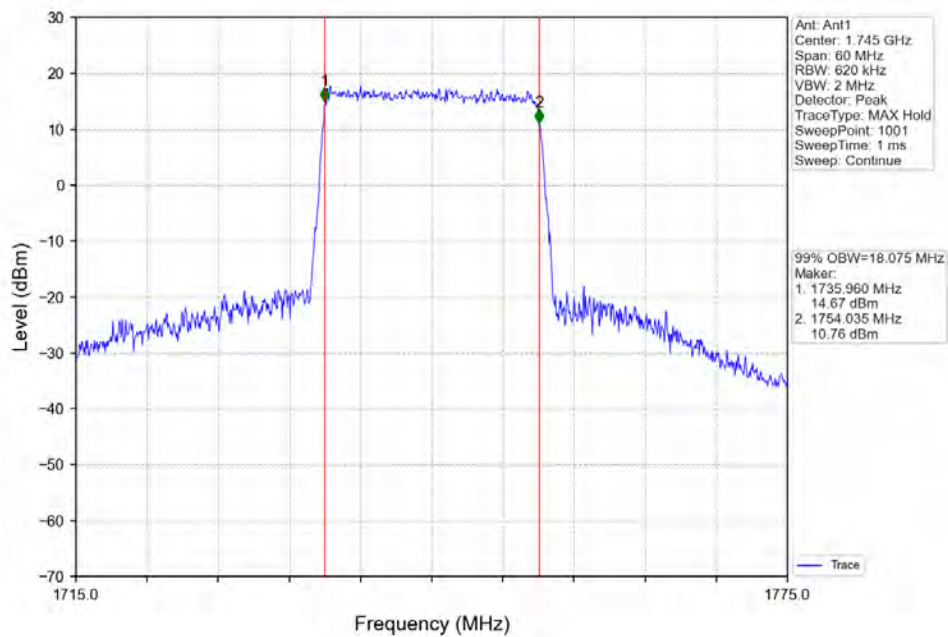




Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV





2.3. LTE_Band12_OBW

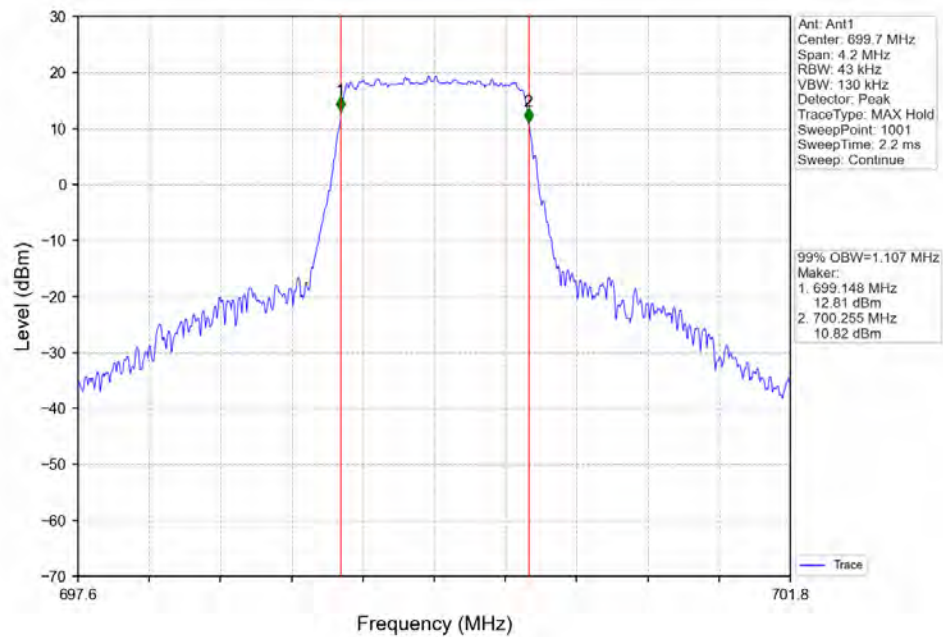
2.3.1. Test Result

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.107	Pass
		707.5	6	0	1.125	Pass
		715.3	6	0	1.108	Pass
	16QAM	699.7	6	0	1.104	Pass
		707.5	6	0	1.110	Pass
		715.3	6	0	1.117	Pass
3	QPSK	700.5	15	0	2.726	Pass
		707.5	15	0	2.722	Pass
		714.5	15	0	2.725	Pass
	16QAM	700.5	15	0	2.722	Pass
		707.5	15	0	2.723	Pass
		714.5	15	0	2.712	Pass
5	QPSK	701.5	25	0	4.579	Pass
		707.5	25	0	4.564	Pass
		713.5	25	0	4.564	Pass
	16QAM	701.5	25	0	4.562	Pass
		707.5	25	0	4.572	Pass
		713.5	25	0	4.595	Pass
10	QPSK	704	50	0	9.113	Pass
		707.5	50	0	9.079	Pass
		711	50	0	9.040	Pass
	16QAM	704	50	0	9.122	Pass
		707.5	50	0	9.081	Pass
		711	50	0	9.061	Pass

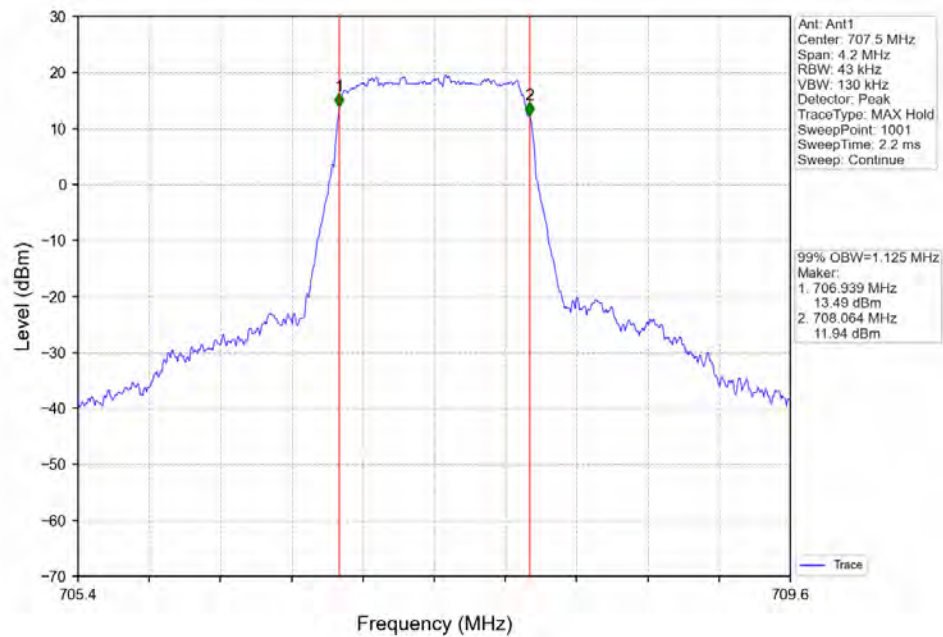


2.3.2. Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

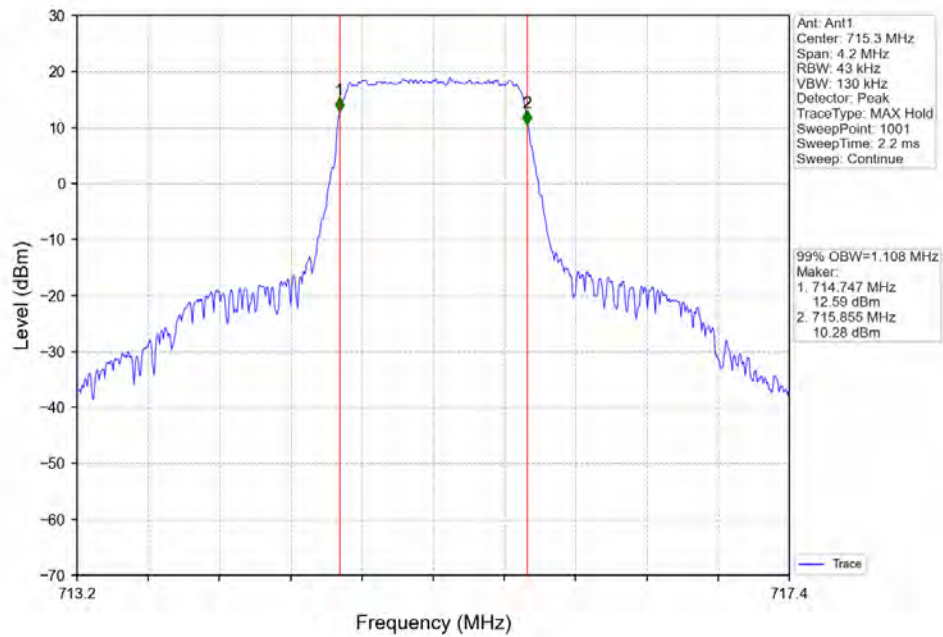




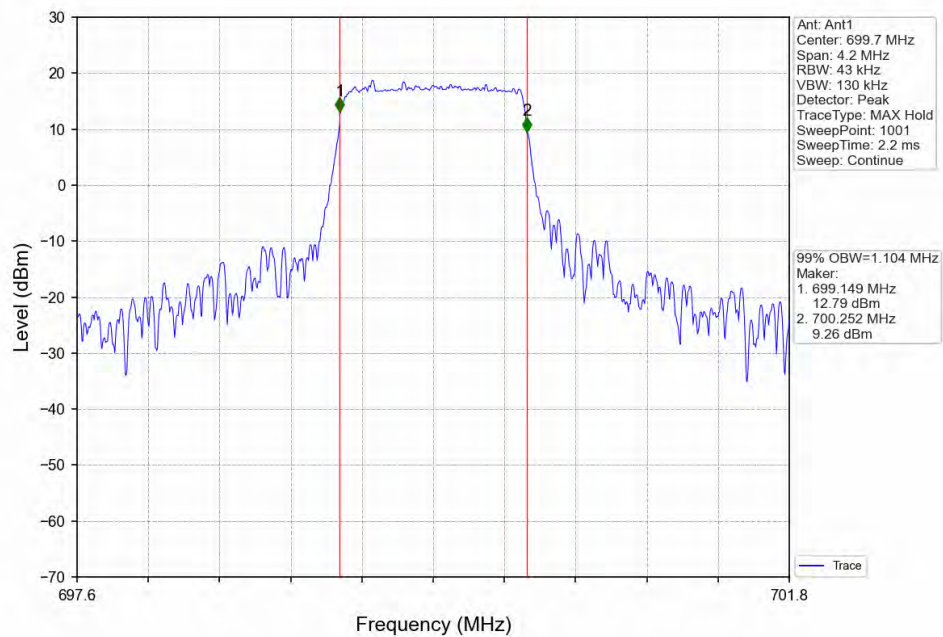
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Test Report No.: W7L-P24050005RF06

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV

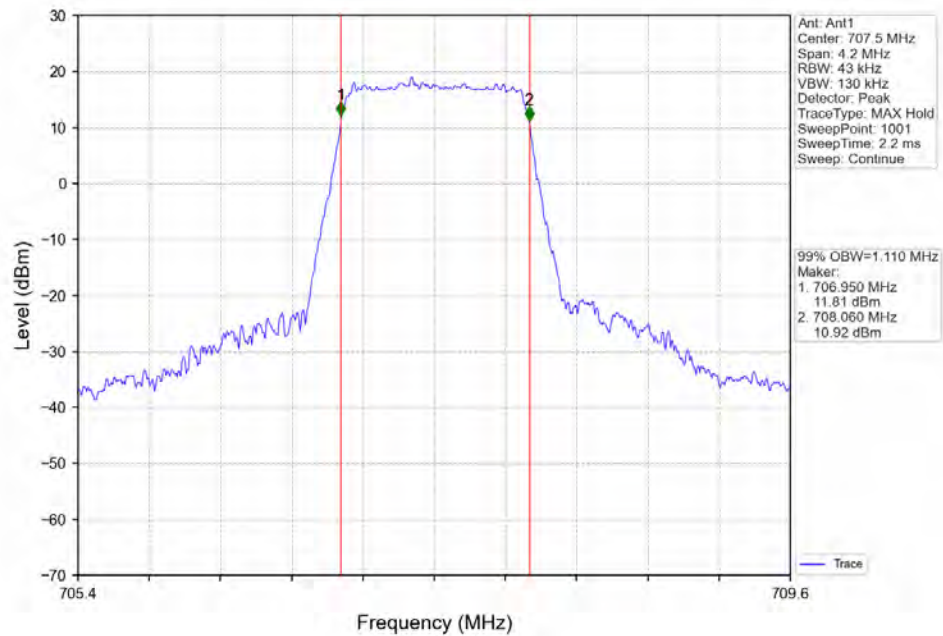


Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV

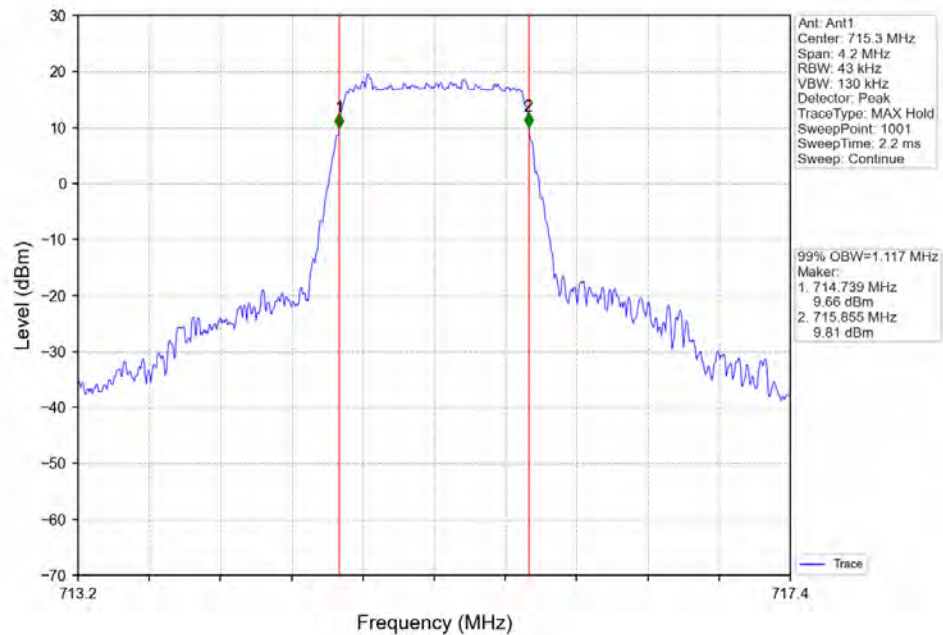
BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

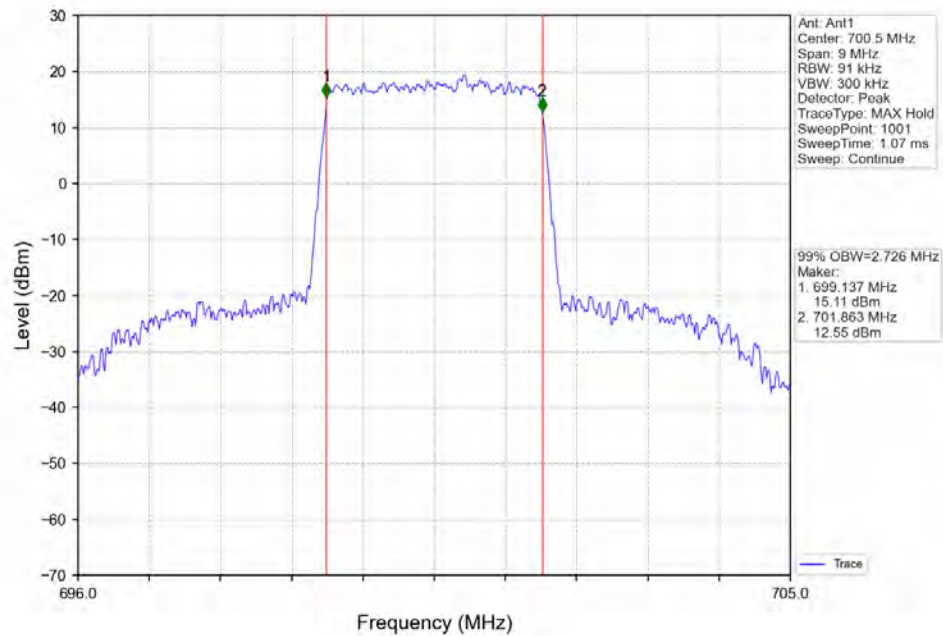
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



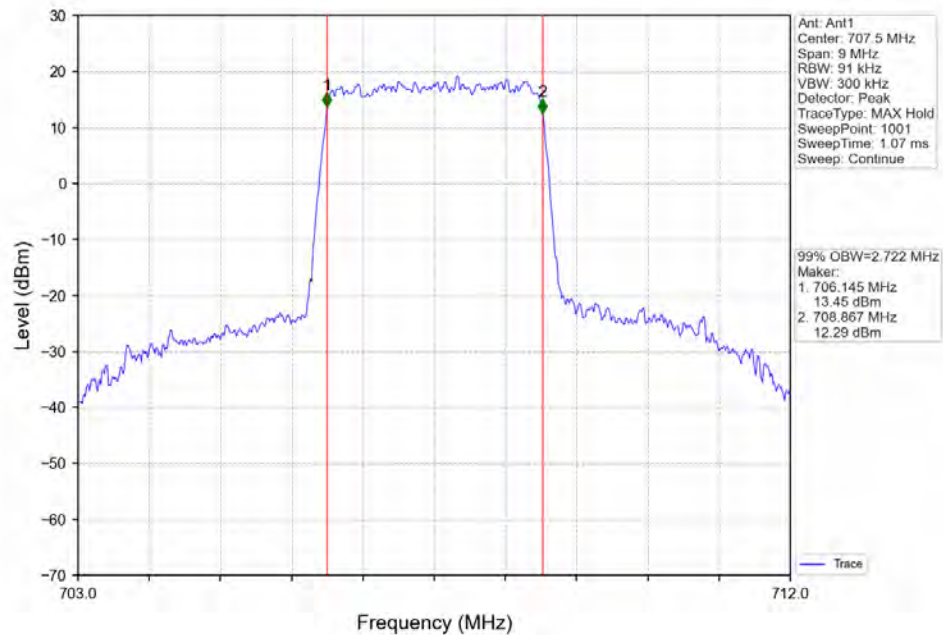
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



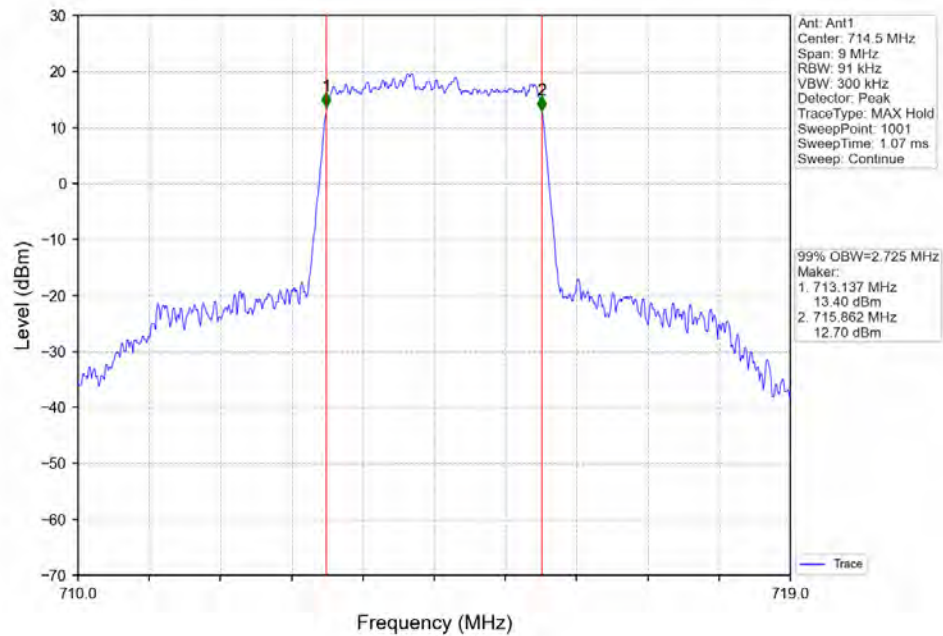
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



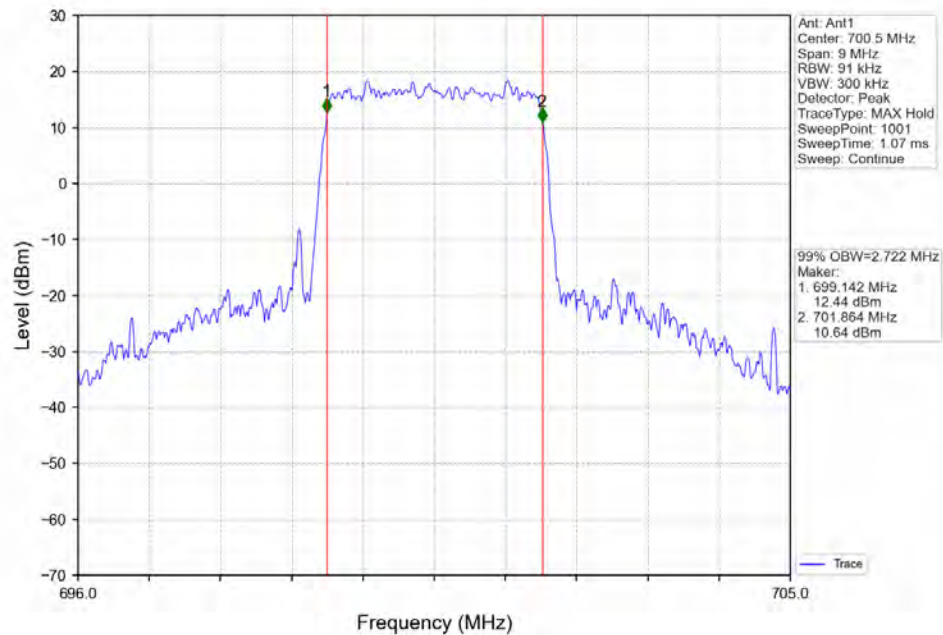
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



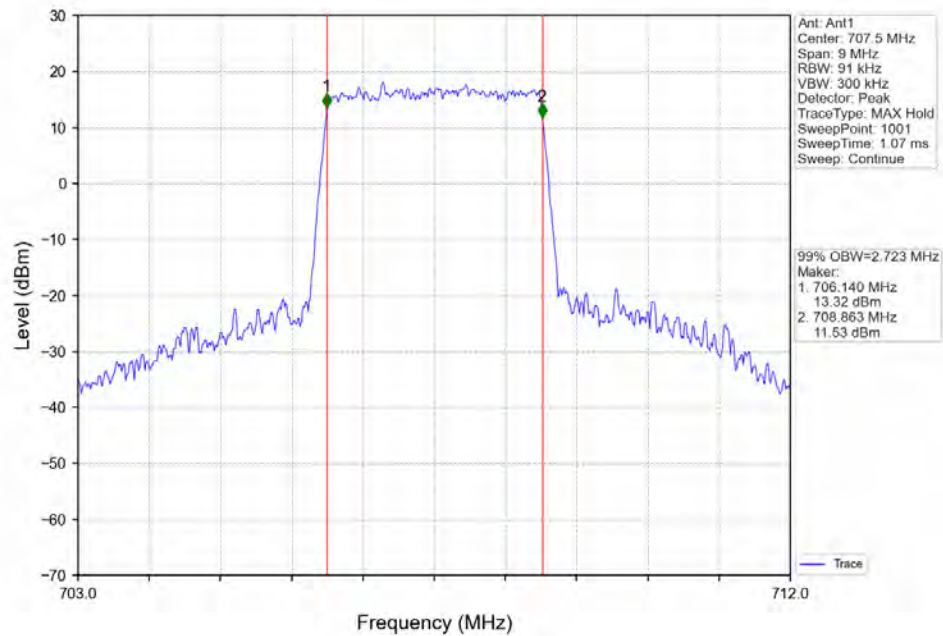
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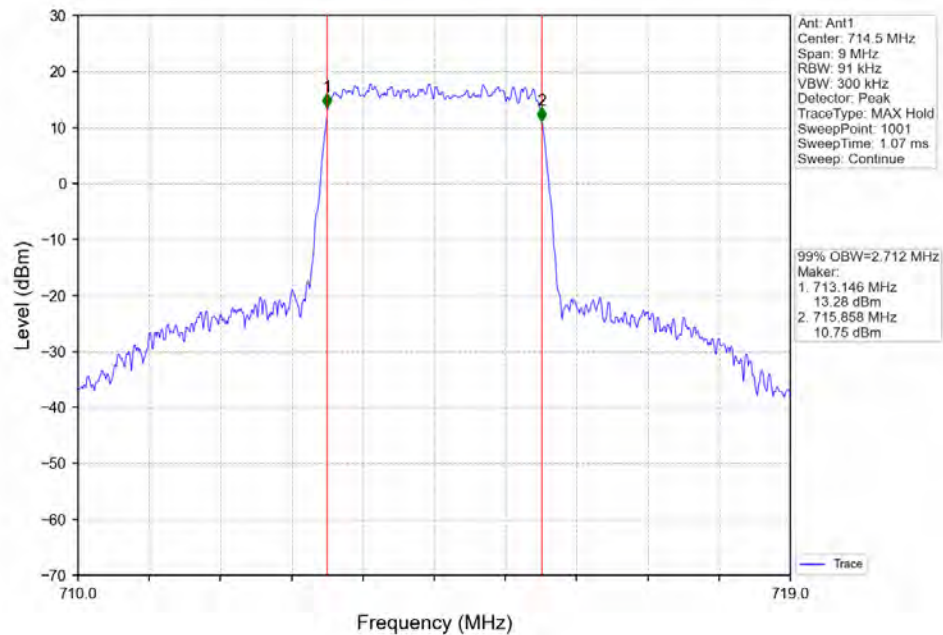
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

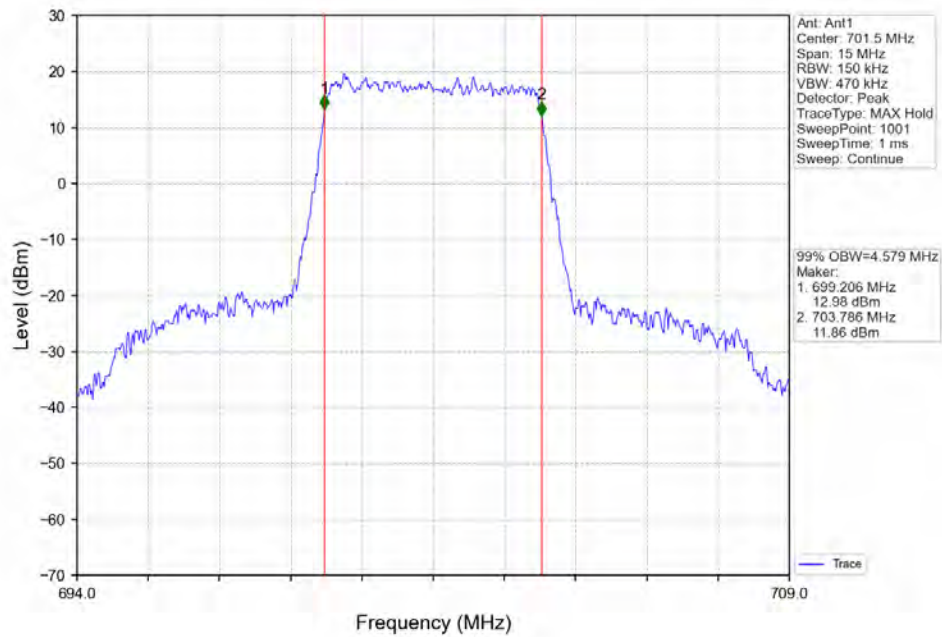


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

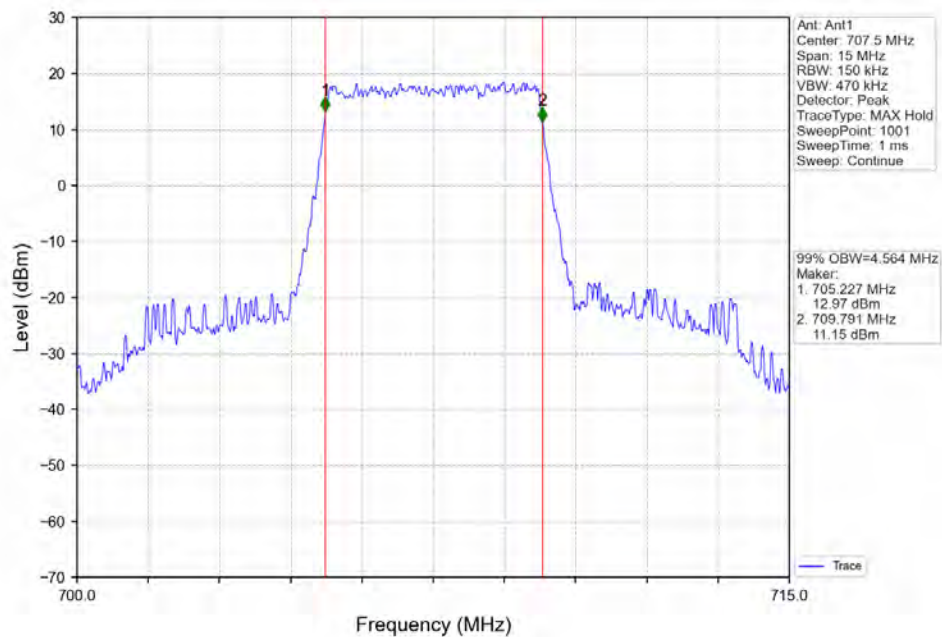




Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

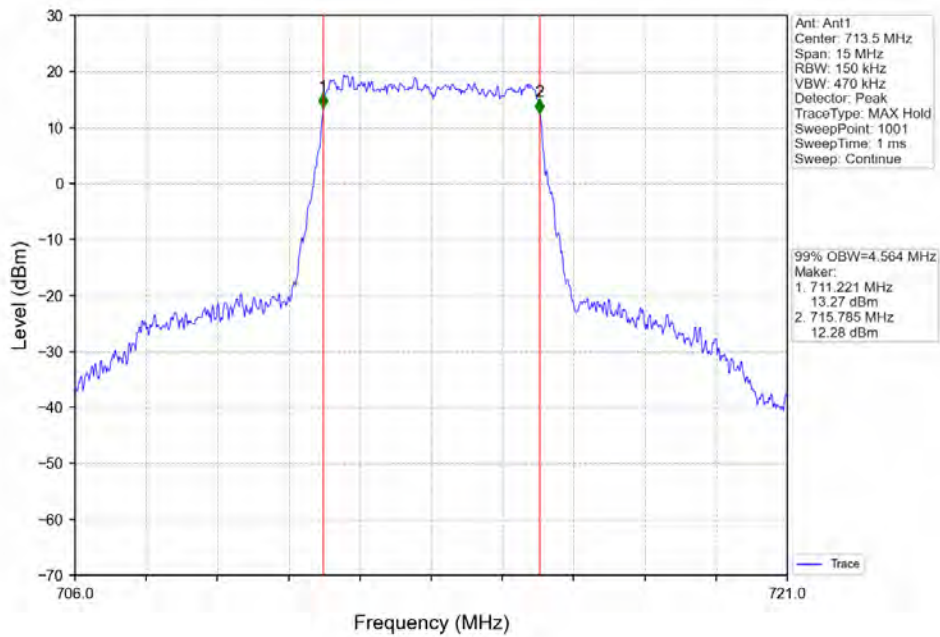


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

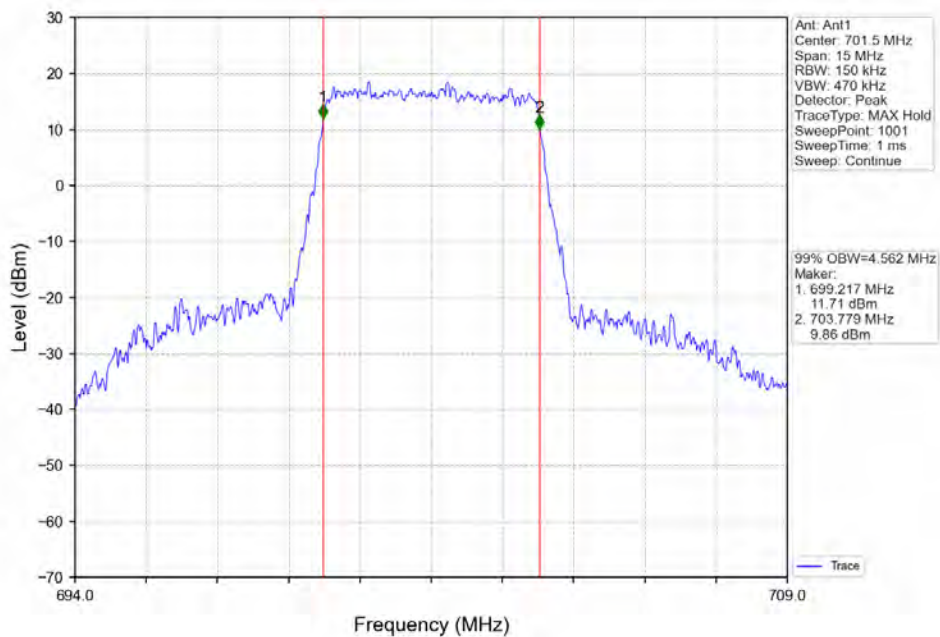




Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV

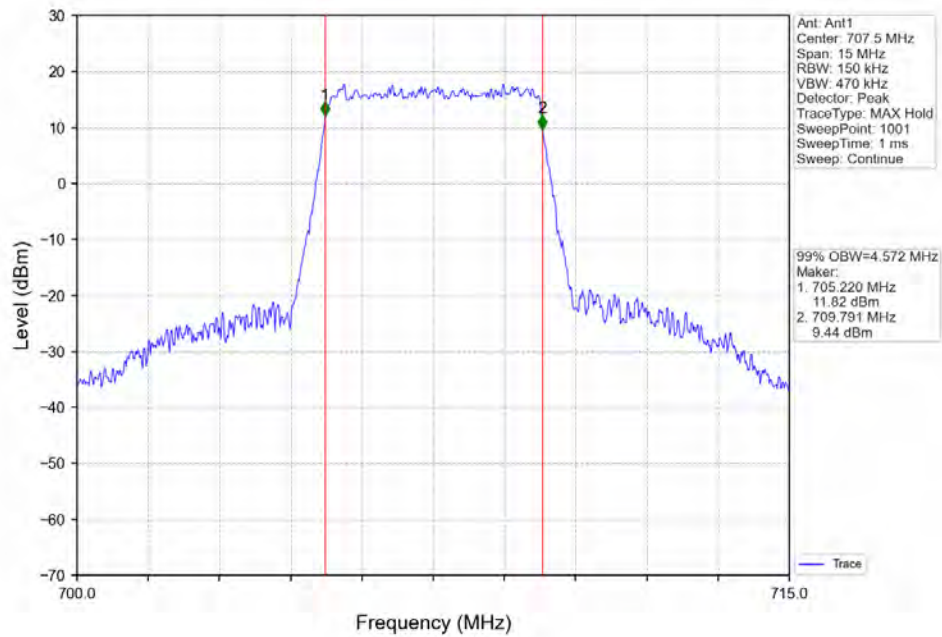


Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV

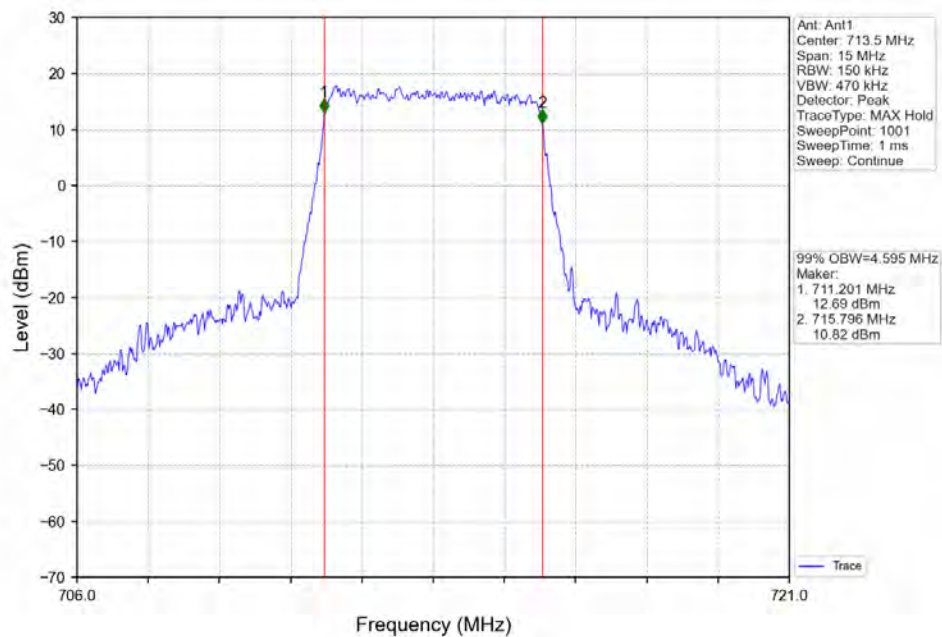




Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV

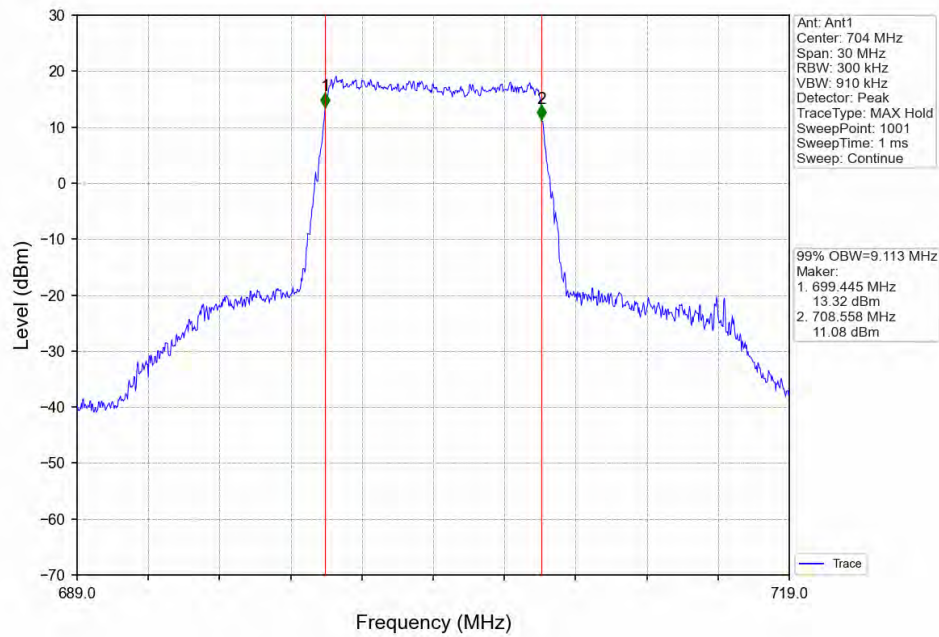


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

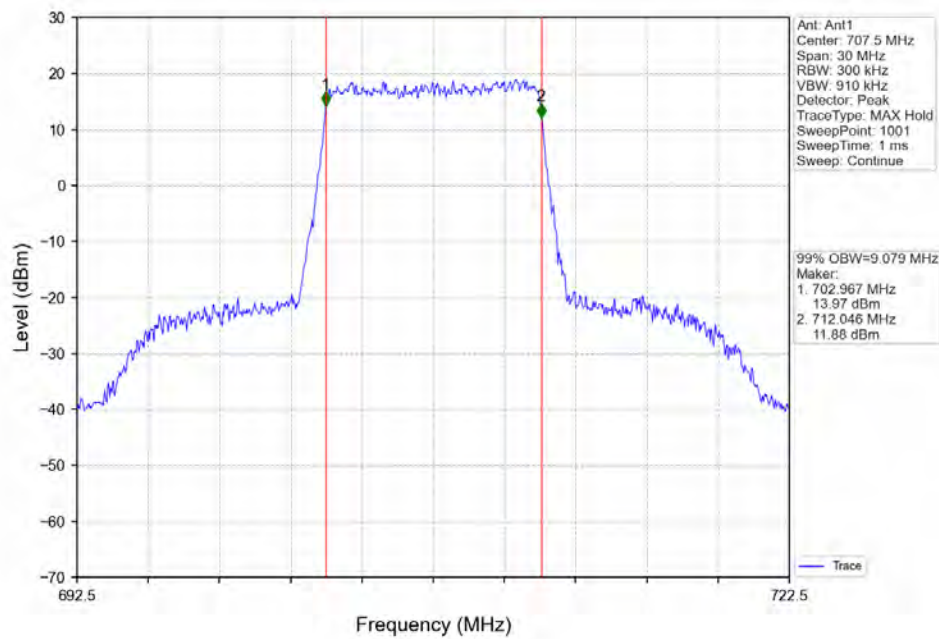




Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN

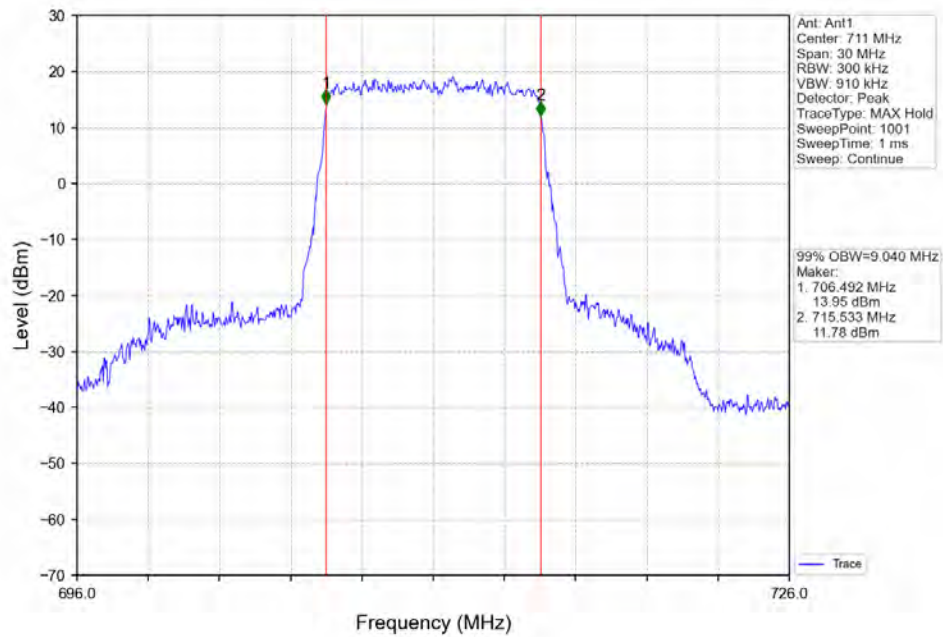


Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN

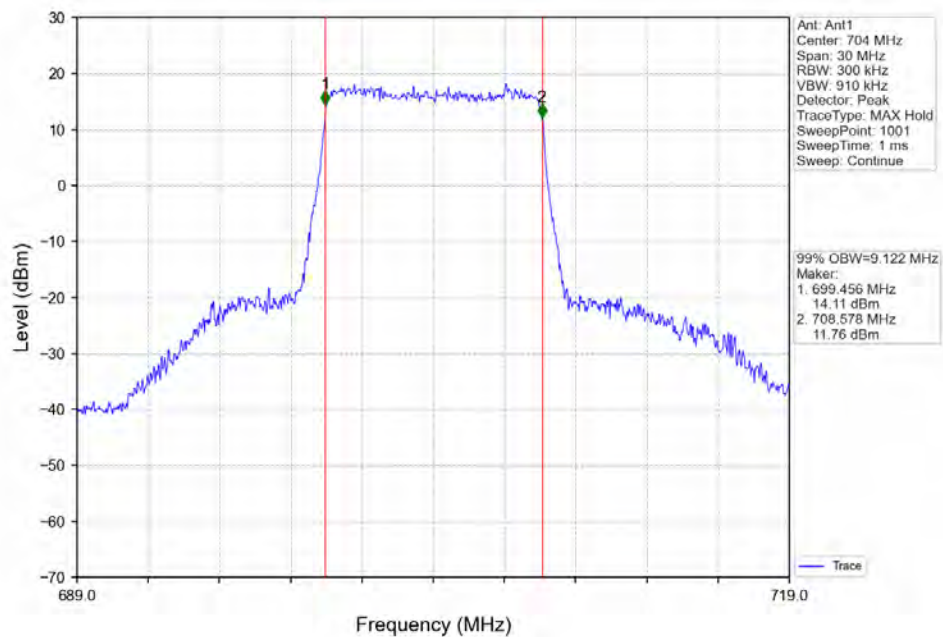




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

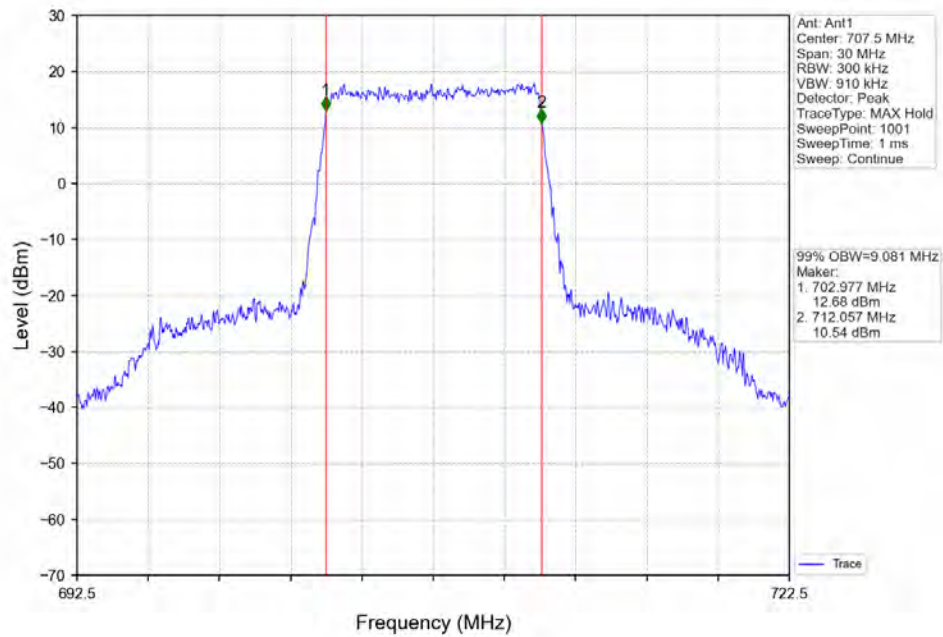


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

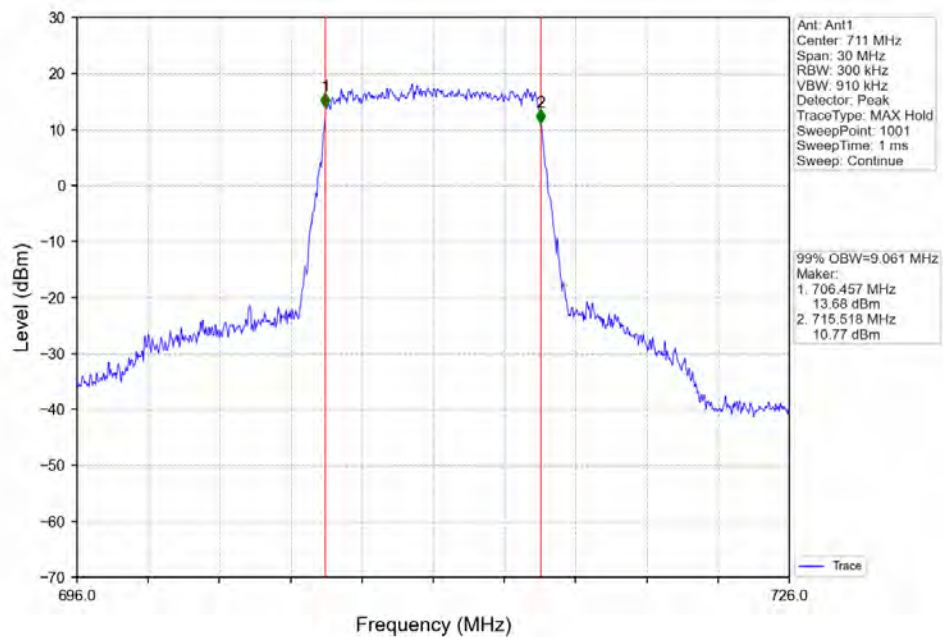




Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV





2.4. LTE_Band13_OBW

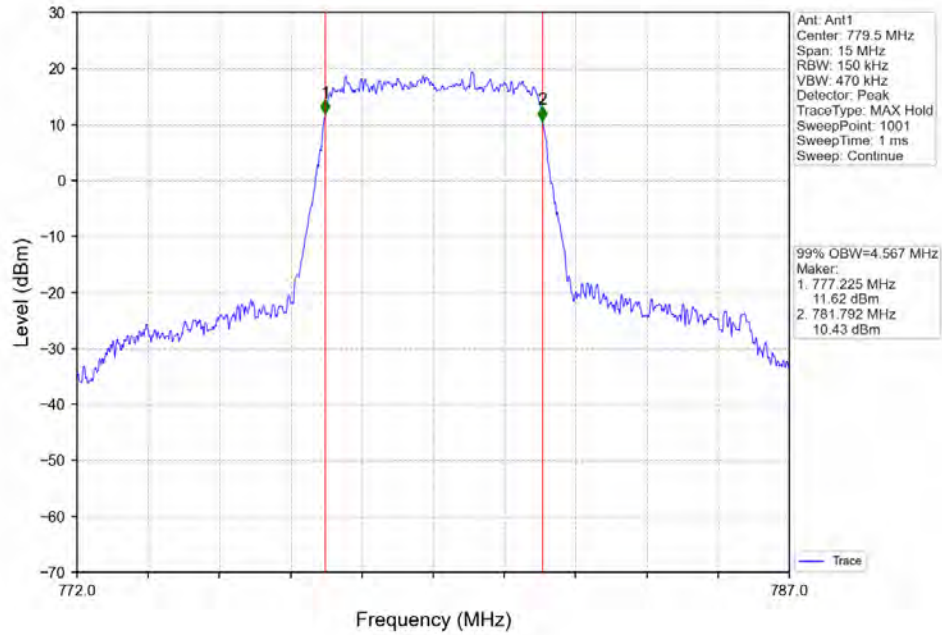
2.4.1. Test Result

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	4.567	Pass
		782	25	0	4.563	Pass
		784.5	25	0	4.583	Pass
	16QAM	779.5	25	0	4.550	Pass
		782	25	0	4.590	Pass
		784.5	25	0	4.589	Pass
10	QPSK	782	50	0	9.079	Pass
		782	50	0	9.059	Pass
		782	50	0	9.065	Pass
	16QAM	782	50	0	9.055	Pass
		782	50	0	9.054	Pass
		782	50	0	9.069	Pass

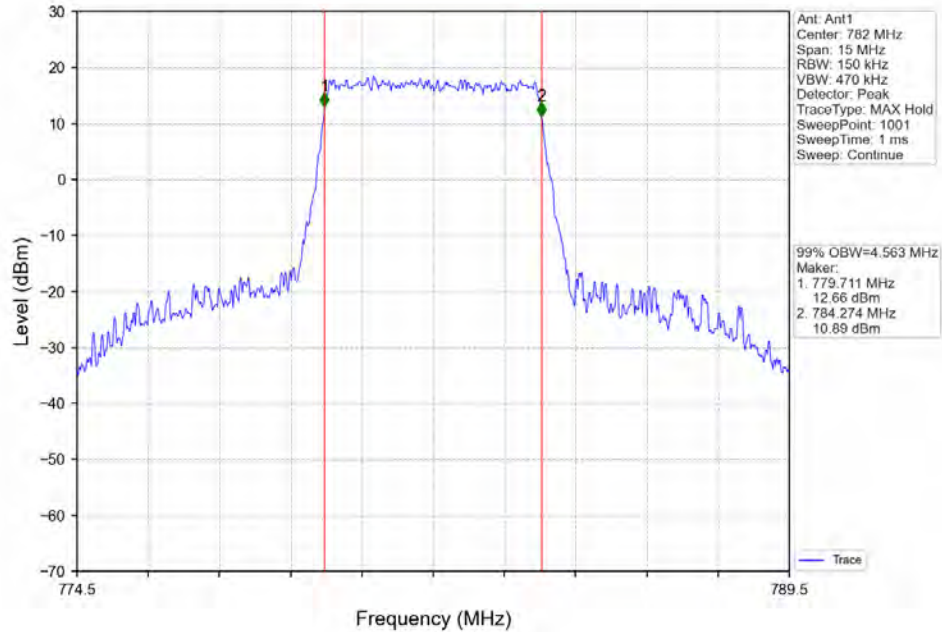


2.4.2. Test Graph

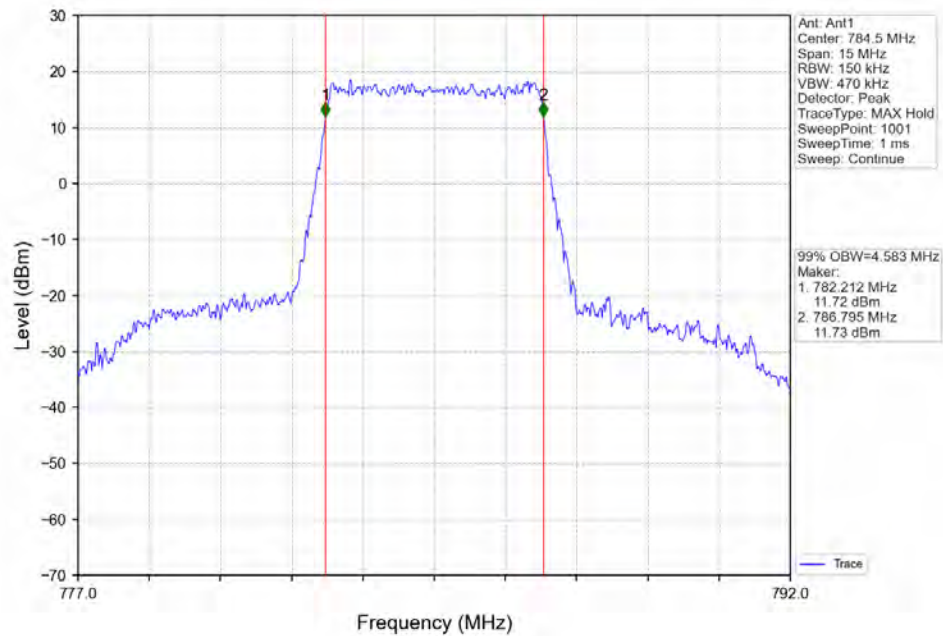
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



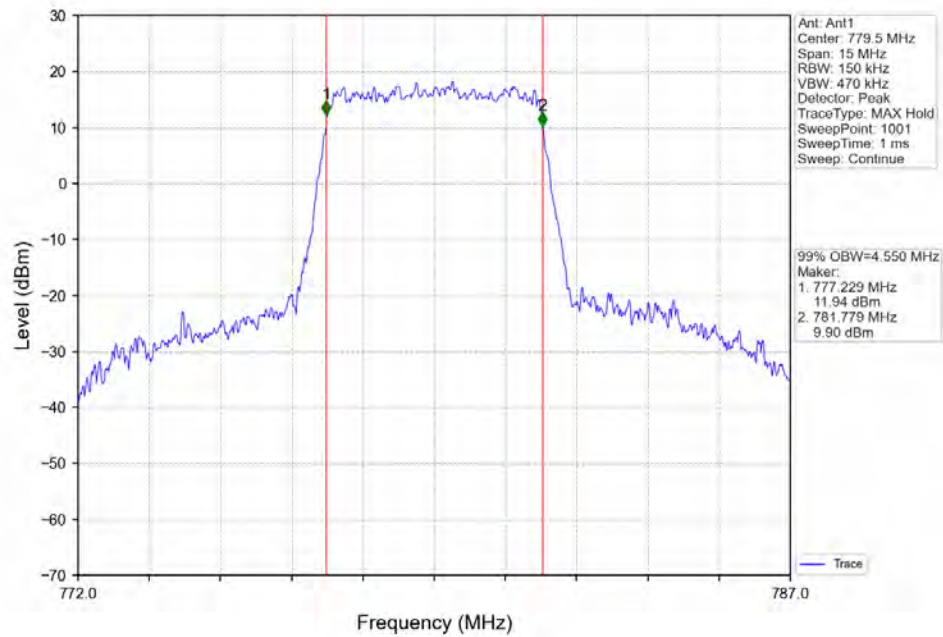
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

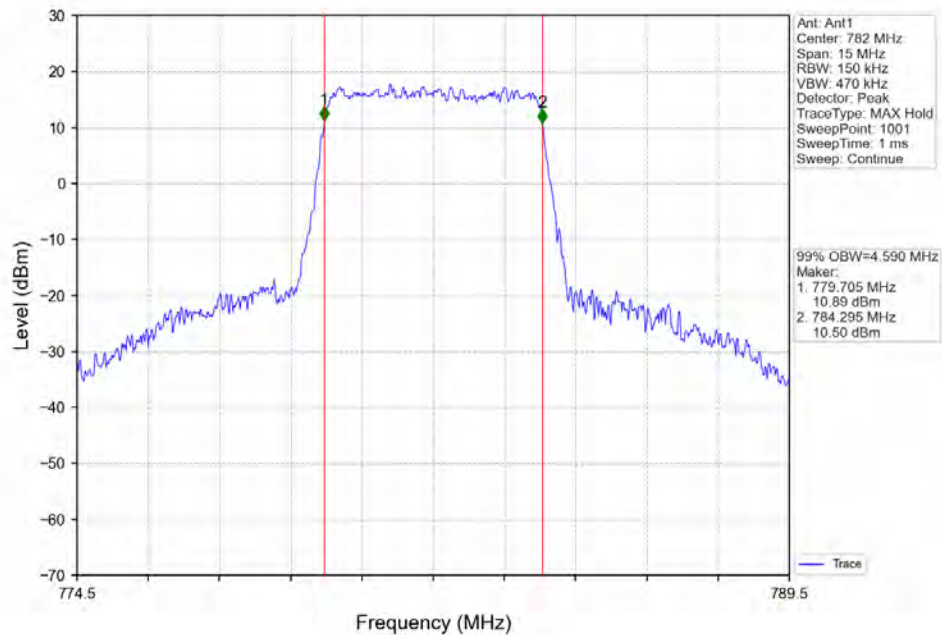


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

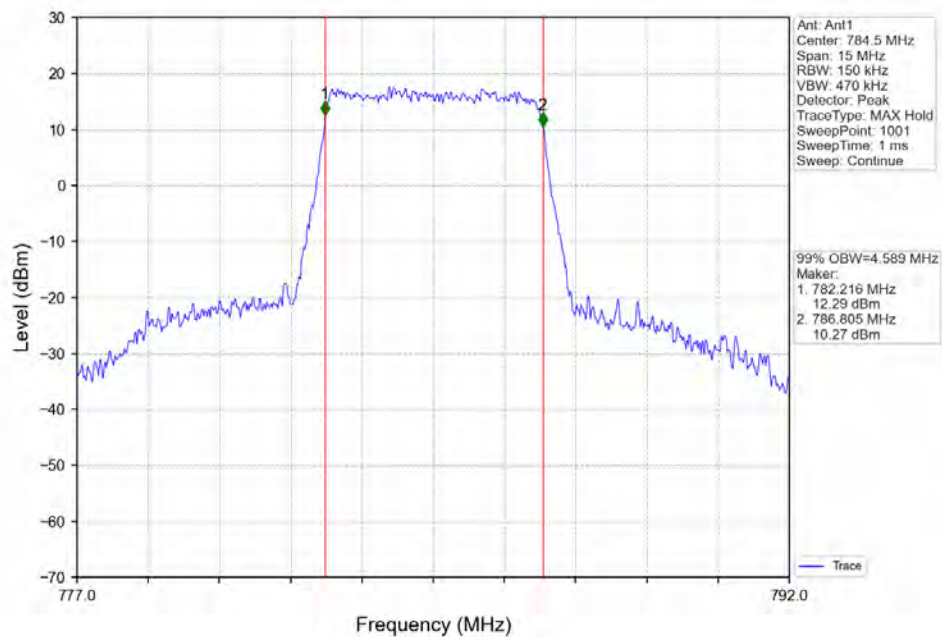




Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV

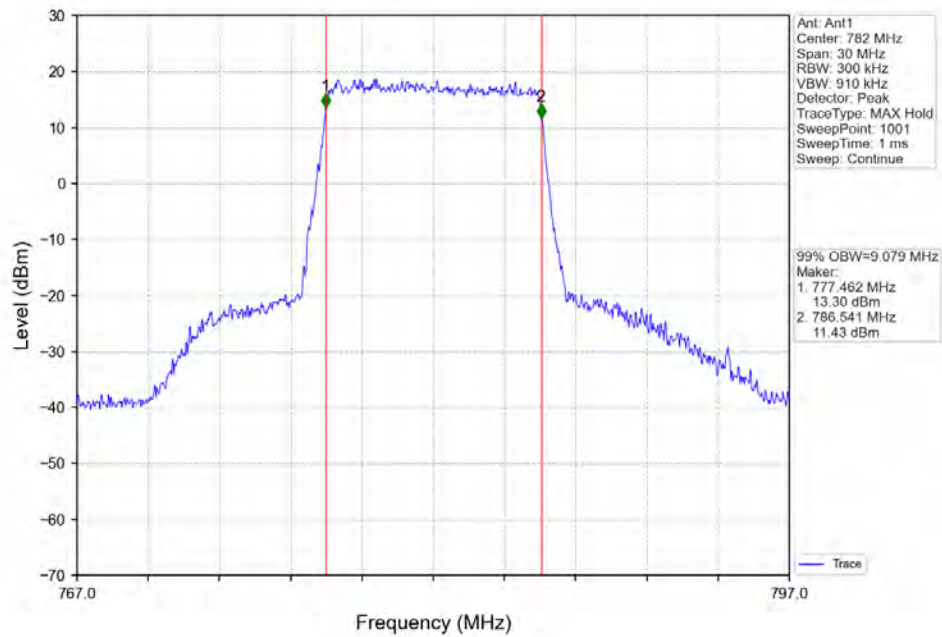


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

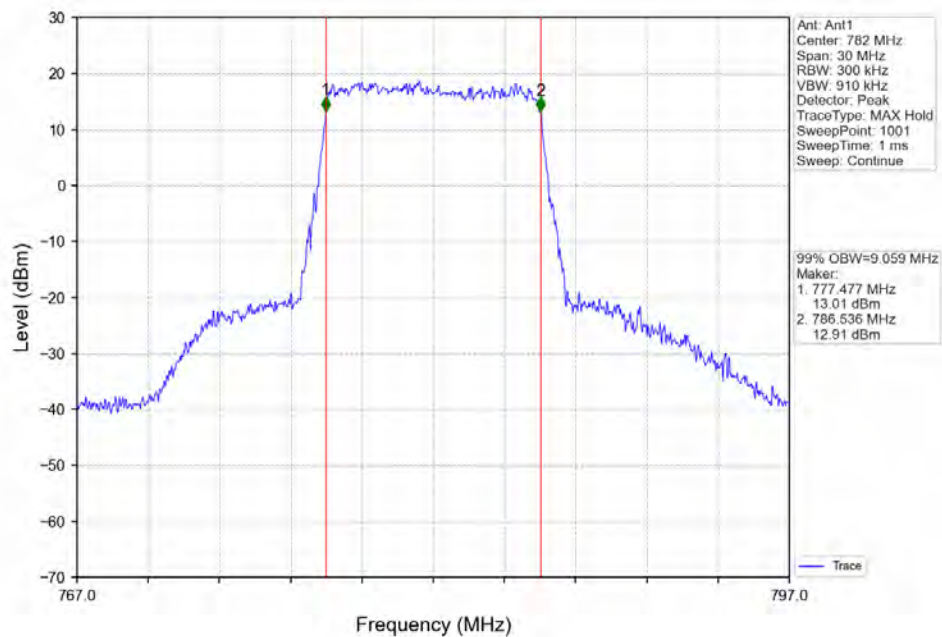




Band13 10MHz QPSK LCH 782MHz RB 50 0 NTN

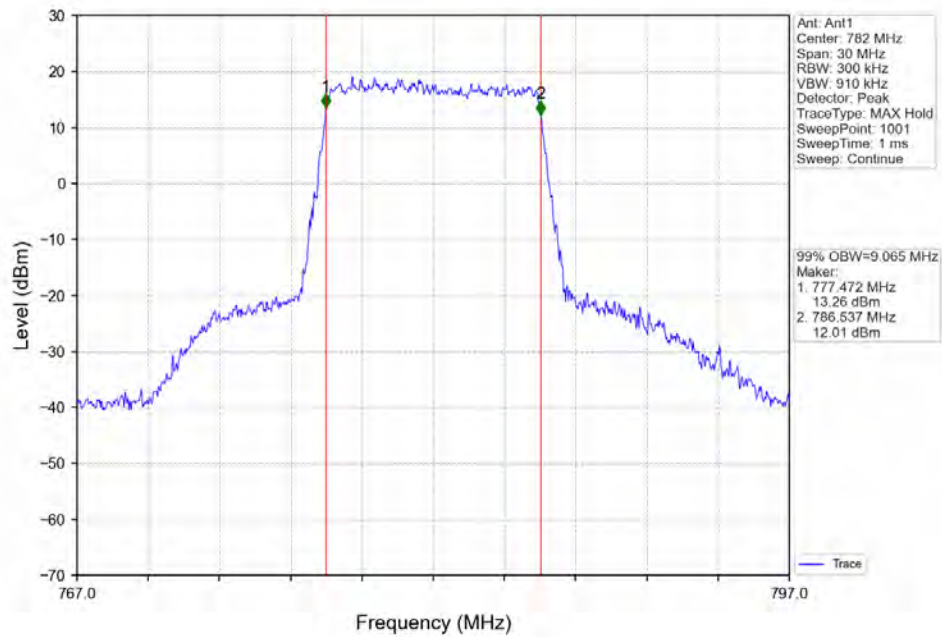


Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN

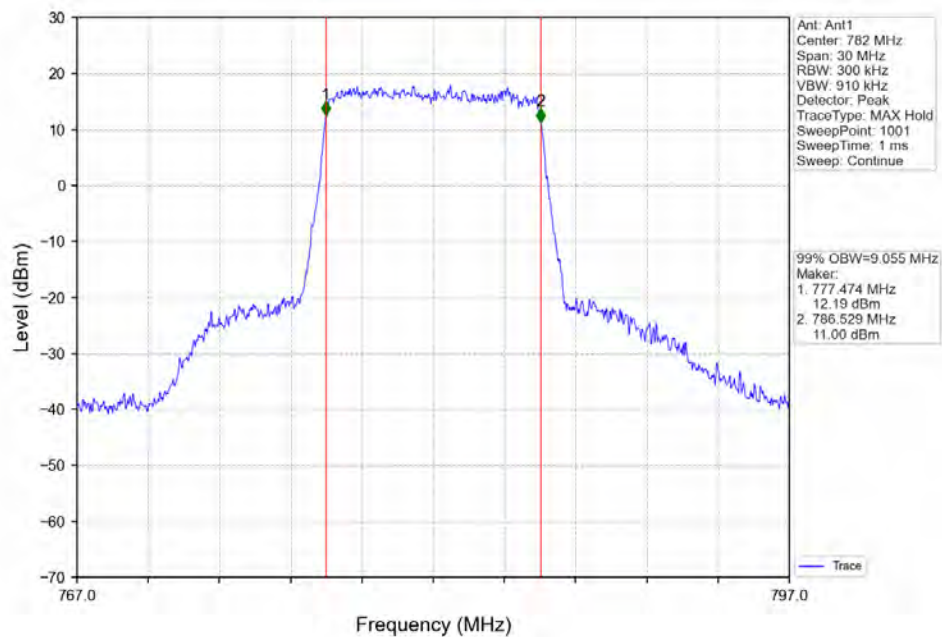




Band13 10MHz QPSK HCH 782MHz RB 50 0 NTNV



Band13 10MHz 16QAM LCH 782MHz RB 50 0 NTNV

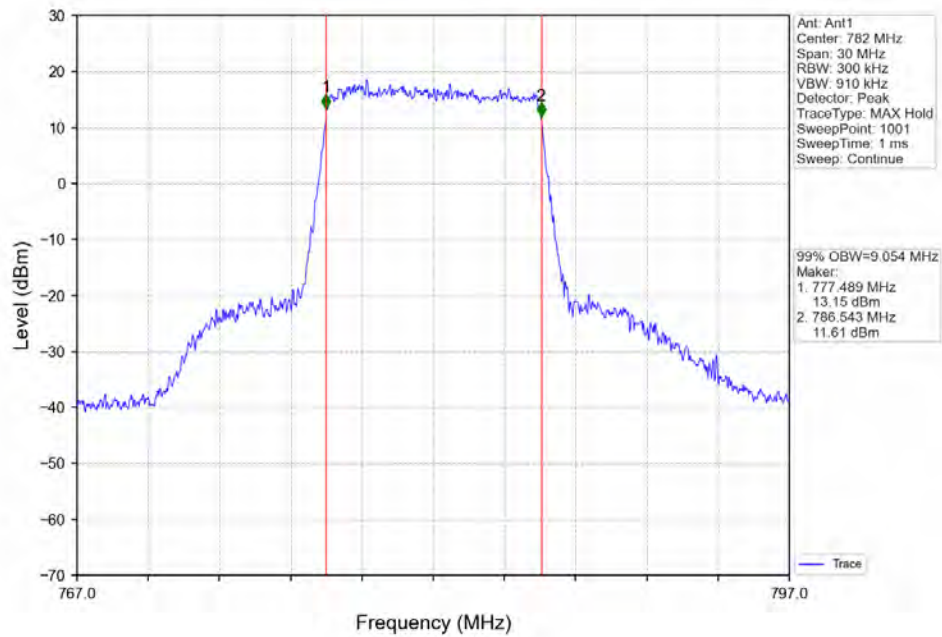




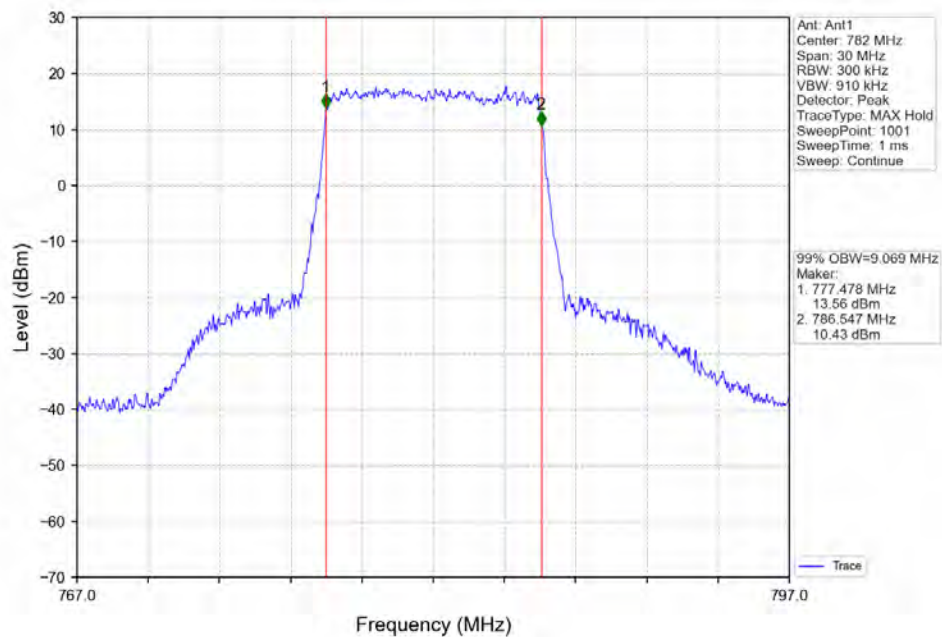
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Test Report No.: W7L-P24050005RF06

Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_HCH_782MHz_RB_50_0_NTNV





2.5. LTE_Band17_OBW

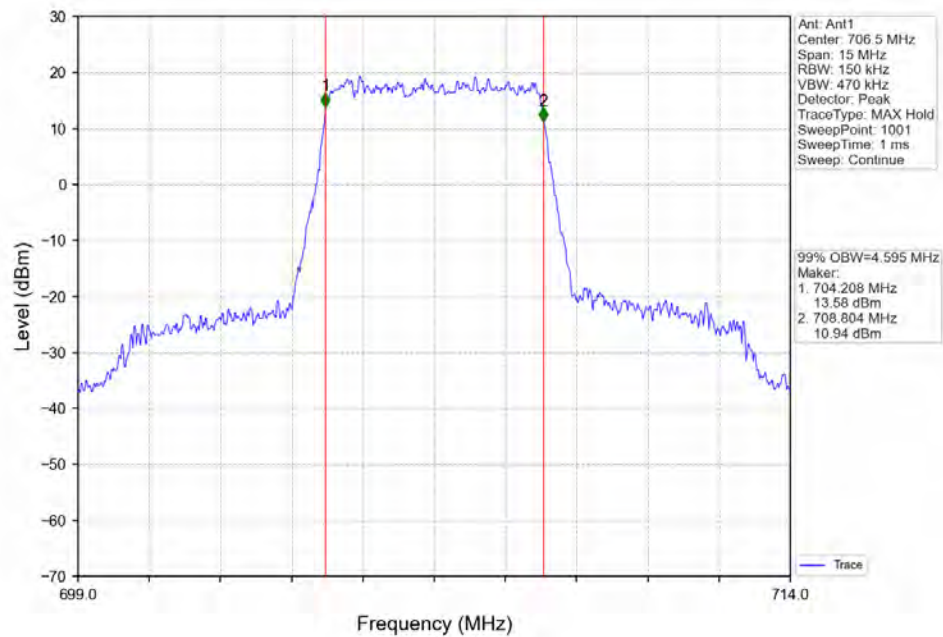
2.5.1. Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.595	Pass
		710	25	0	4.562	Pass
		713.5	25	0	4.569	Pass
	16QAM	706.5	25	0	4.577	Pass
		710	25	0	4.578	Pass
		713.5	25	0	4.599	Pass
10	QPSK	709	50	0	9.075	Pass
		710	50	0	9.041	Pass
		711	50	0	9.079	Pass
	16QAM	709	50	0	9.085	Pass
		710	50	0	9.035	Pass
		711	50	0	9.061	Pass

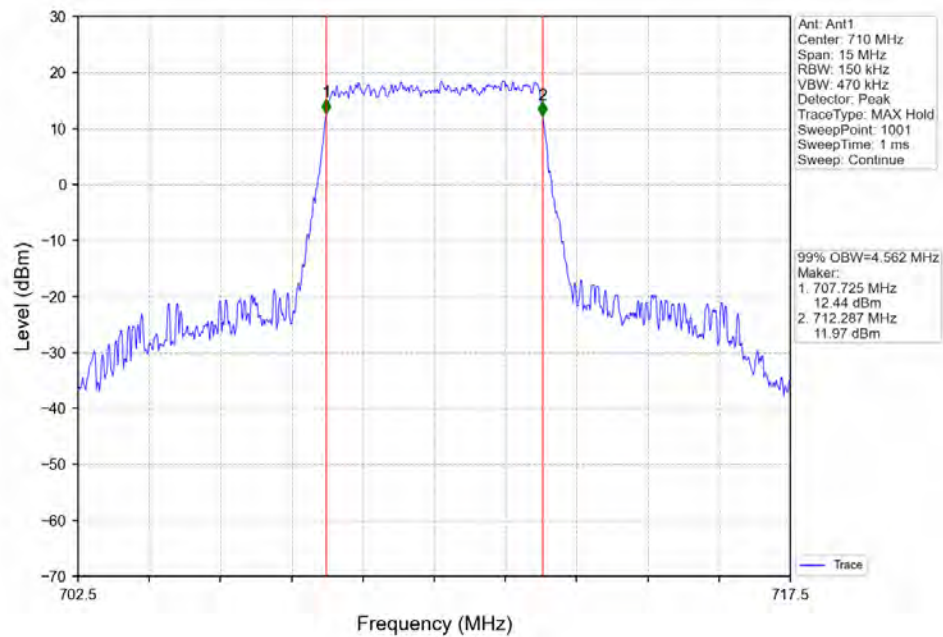


2.5.2. Test Graph

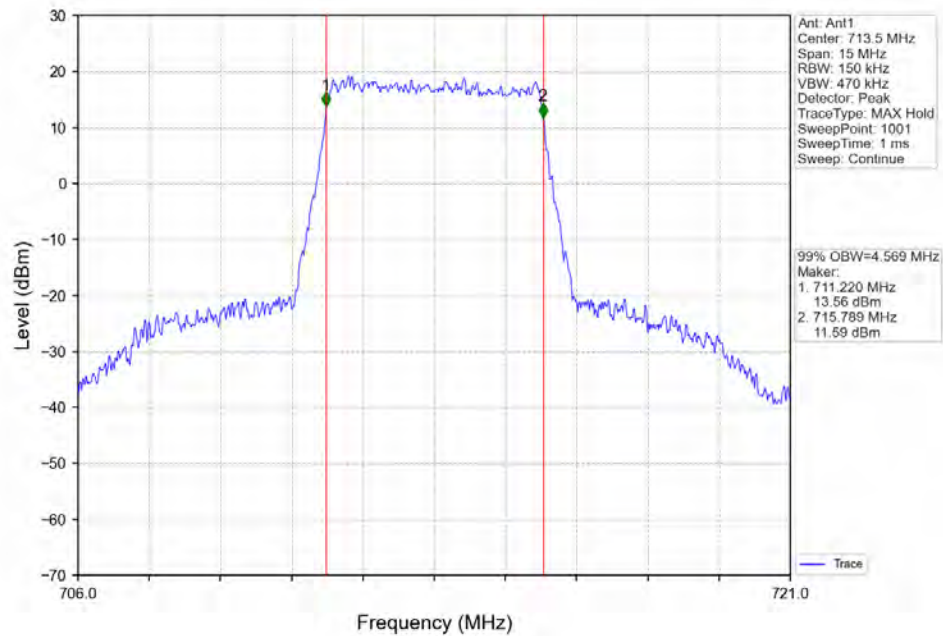
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



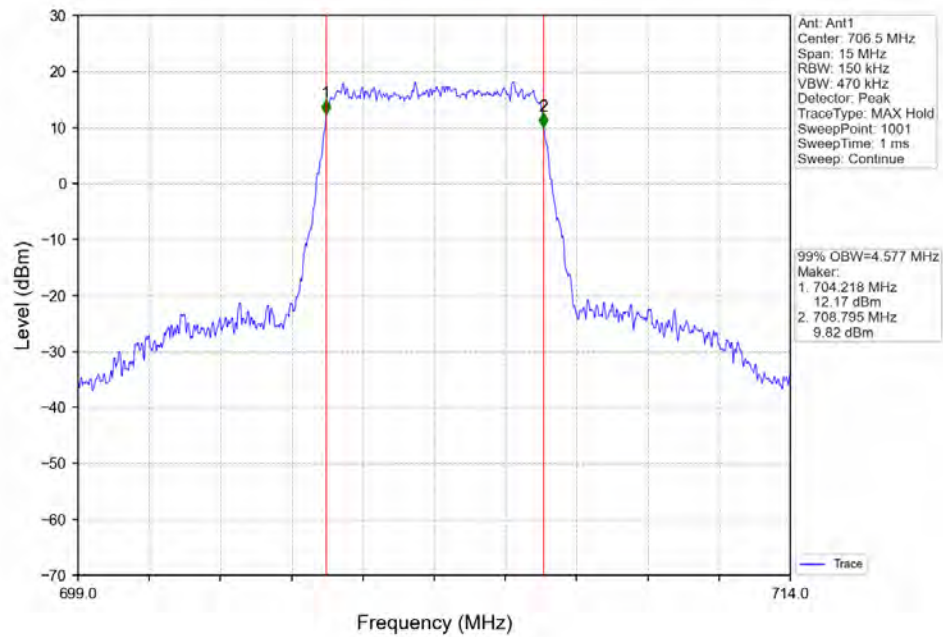
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

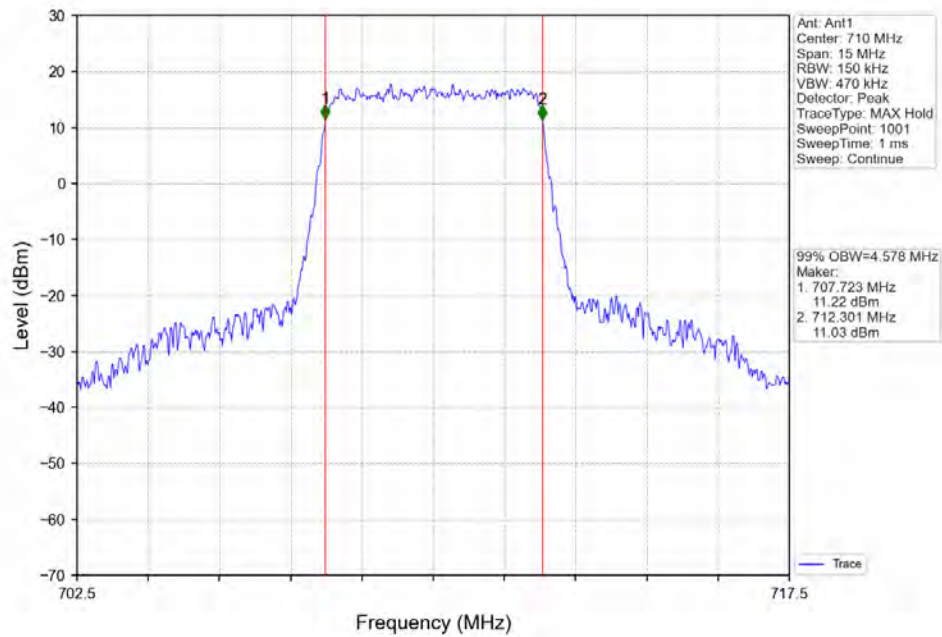


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

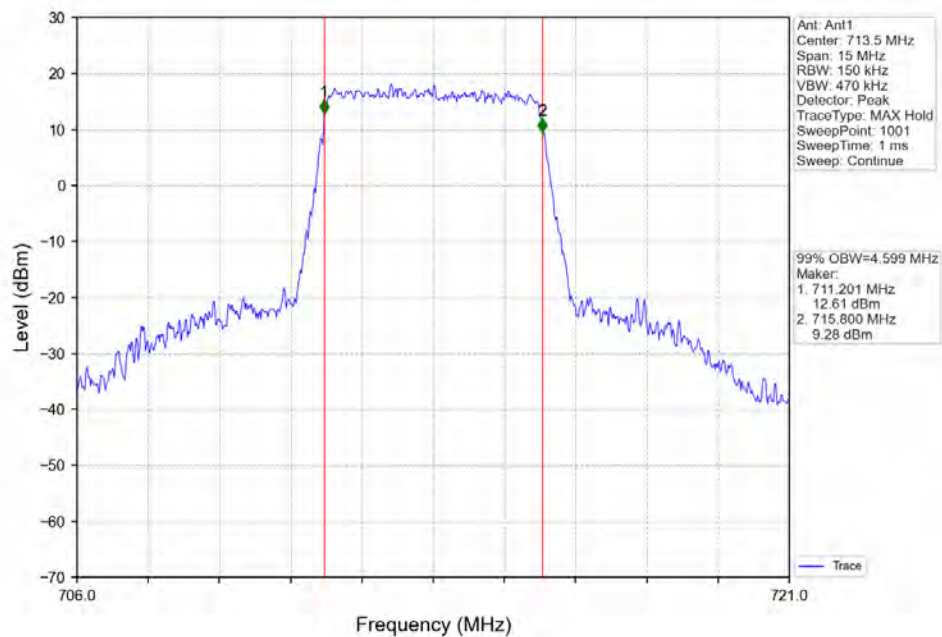




Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

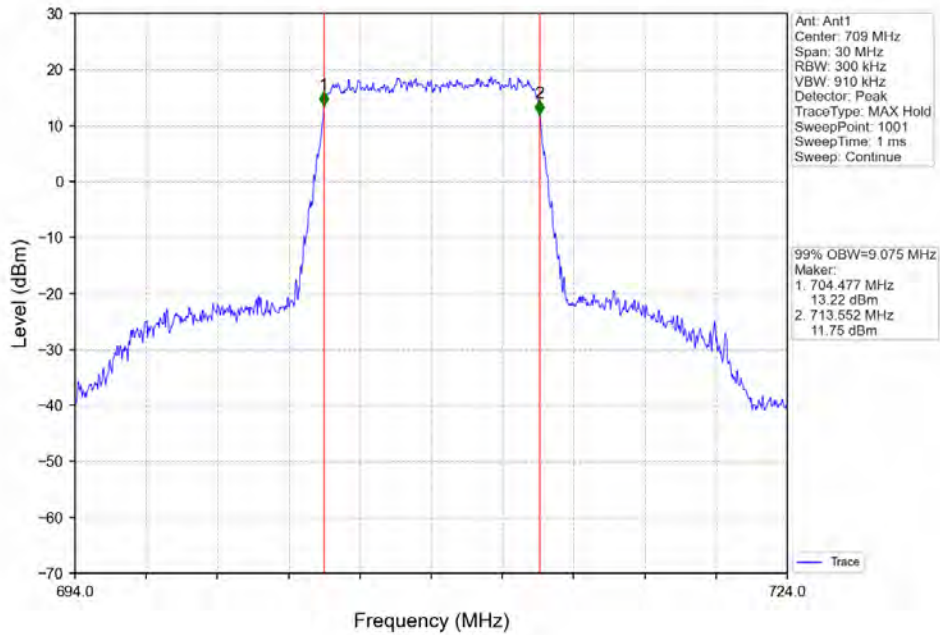


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

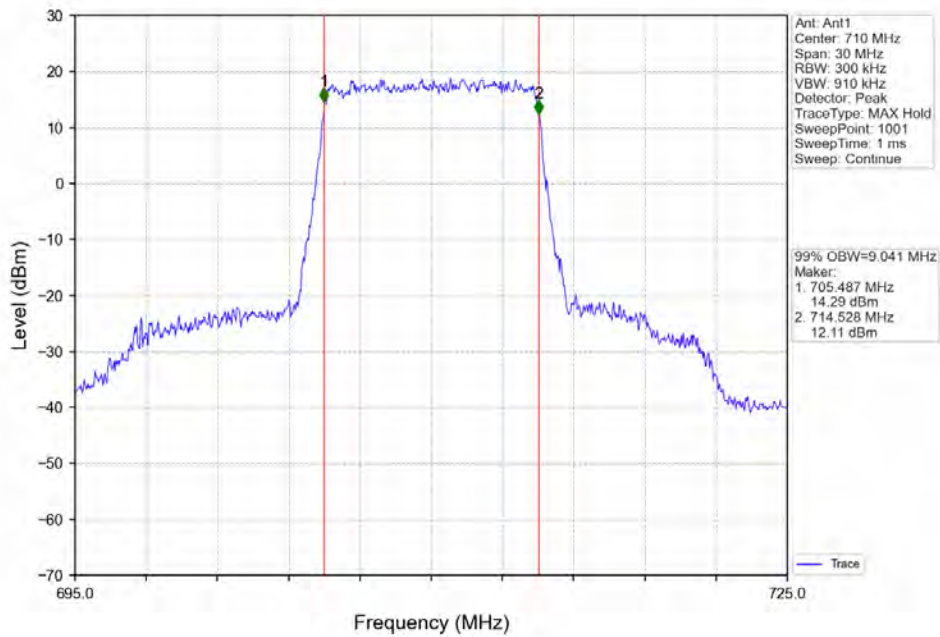




Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN

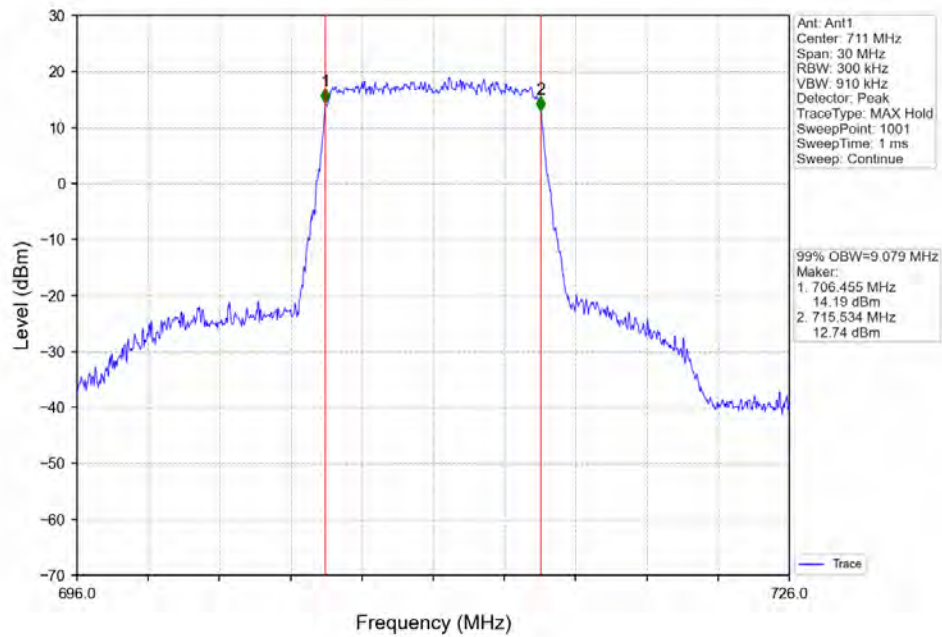


Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN

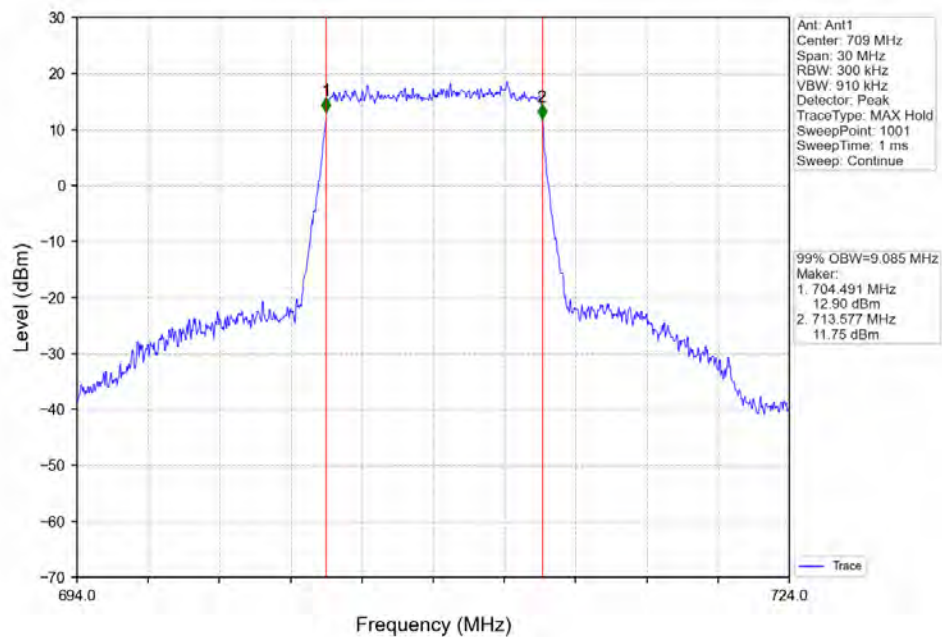




Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN

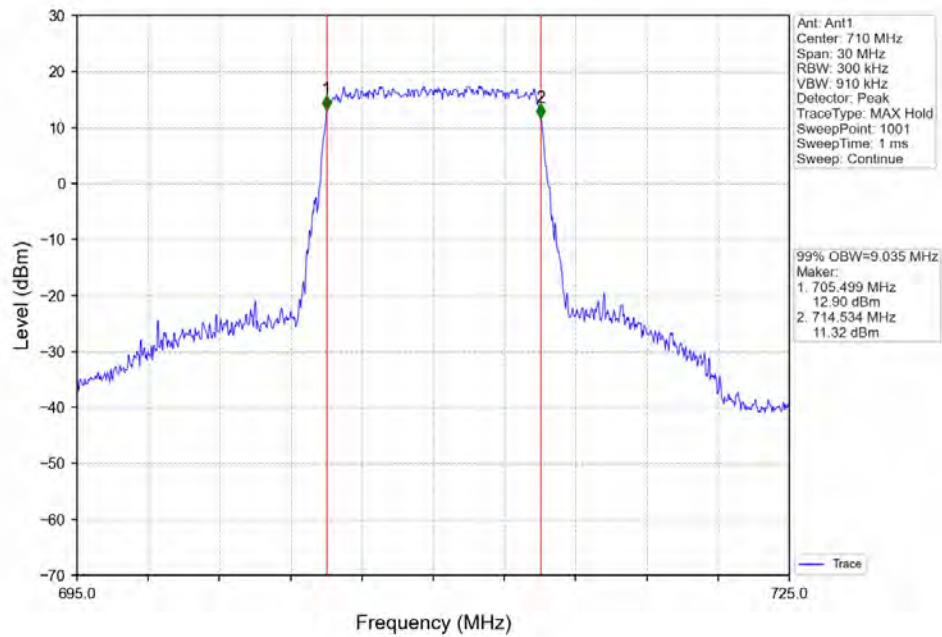


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTN

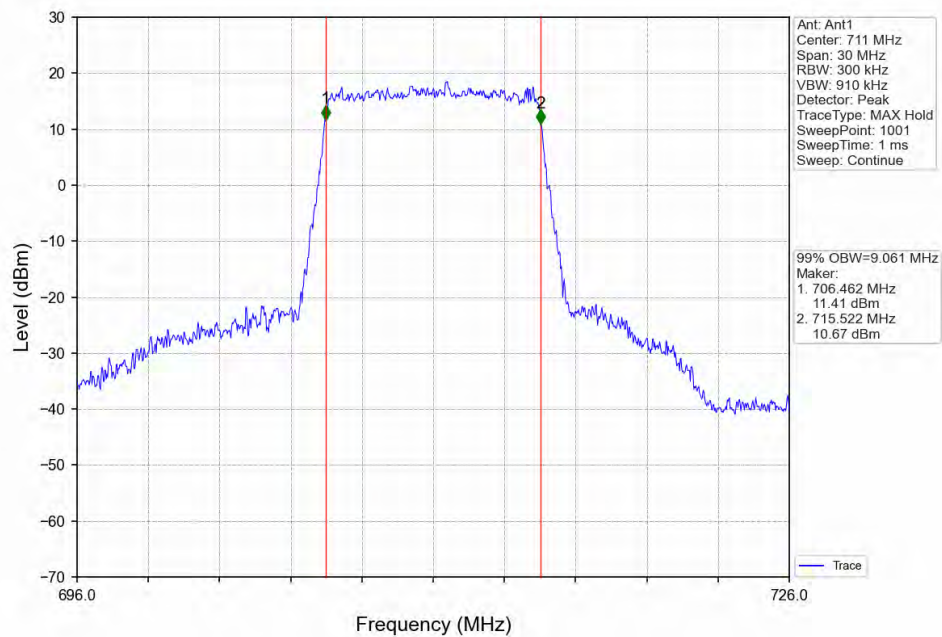




Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTNV





2.6. WCDMA_Band4_26DB

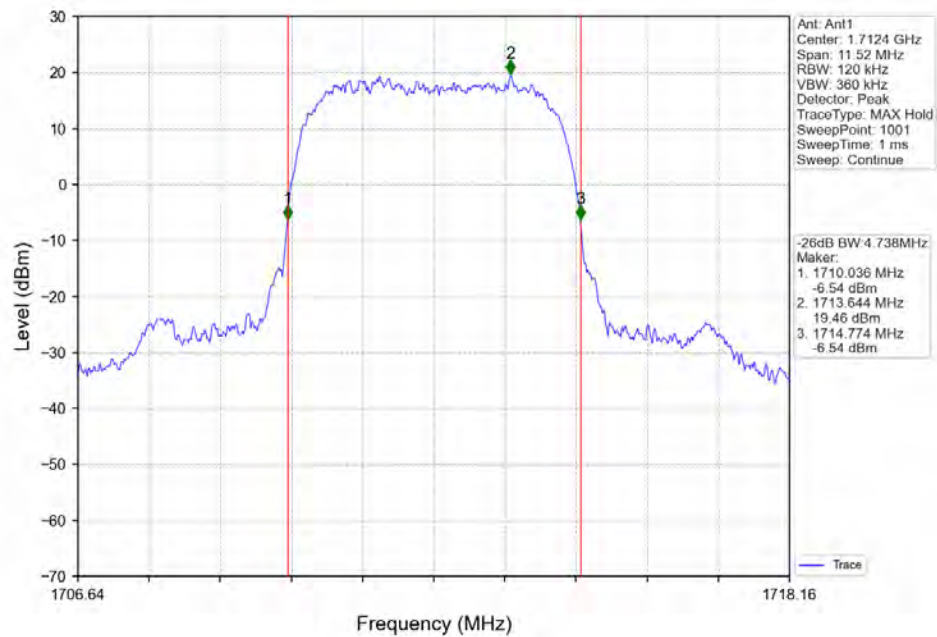
2.6.1. Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.738	Pass
			1732.6	4.747	Pass
			1752.6	4.760	Pass

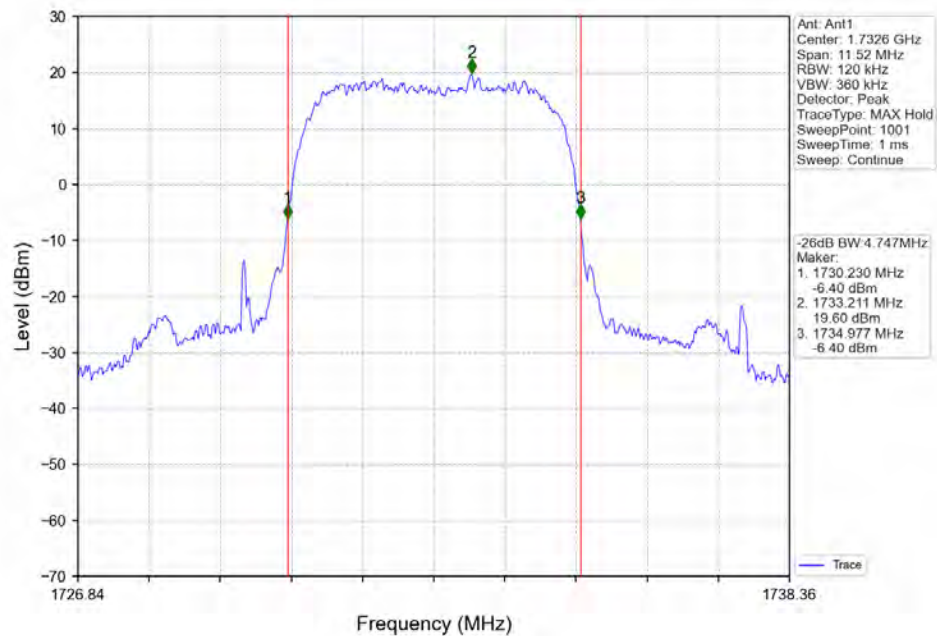


2.6.2. Test Graph

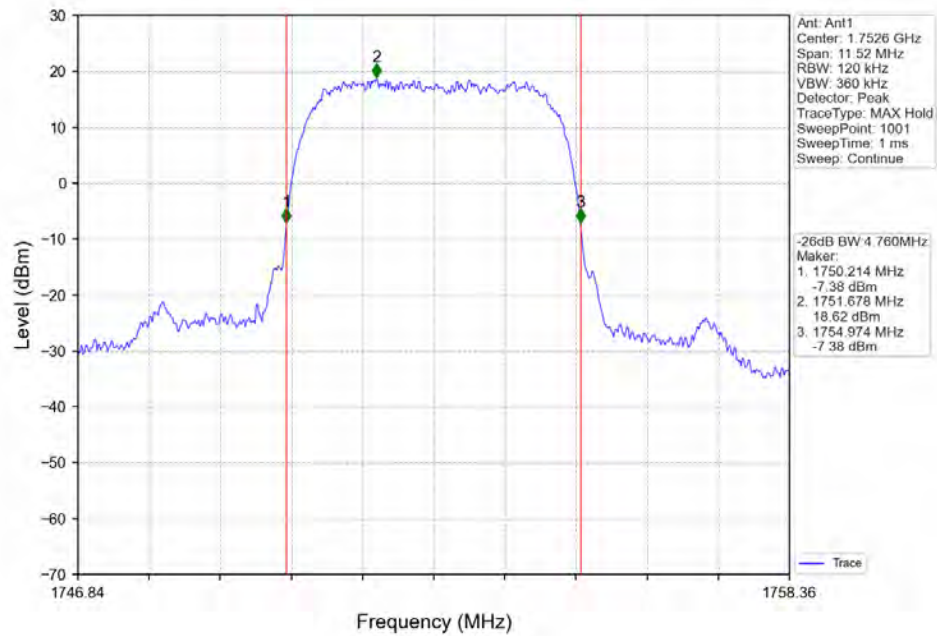
Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV





2.7. LTE_Band4_26DB

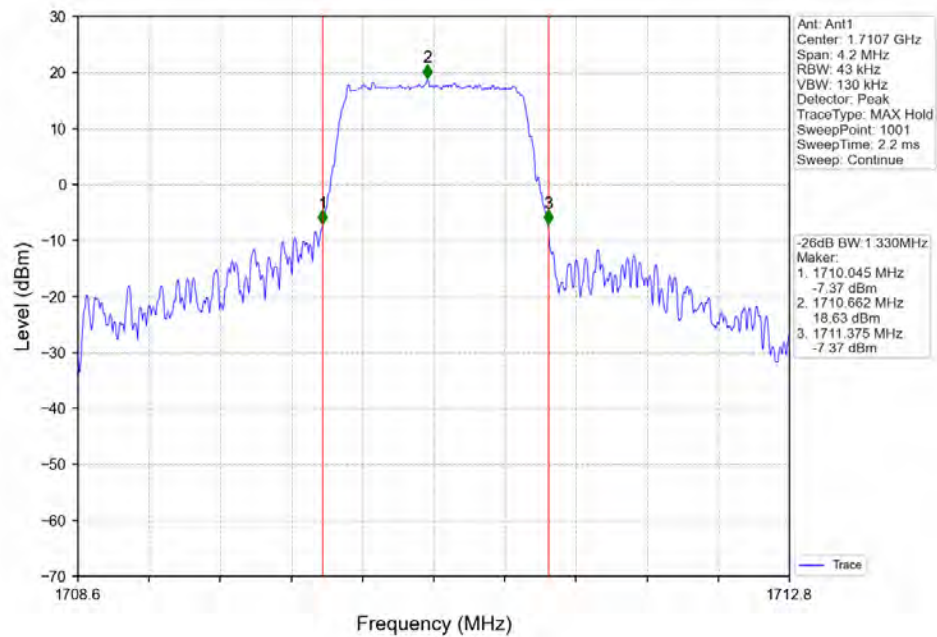
2.7.1. Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.330	Pass
		1732.5	6	0	1.347	Pass
		1754.3	6	0	1.325	Pass
	16QAM	1710.7	6	0	1.309	Pass
		1732.5	6	0	1.535	Pass
		1754.3	6	0	1.316	Pass
3	QPSK	1711.5	15	0	2.982	Pass
		1732.5	15	0	2.995	Pass
		1753.5	15	0	2.995	Pass
	16QAM	1711.5	15	0	3.001	Pass
		1732.5	15	0	3.042	Pass
		1753.5	15	0	2.986	Pass
5	QPSK	1712.5	25	0	4.999	Pass
		1732.5	25	0	5.050	Pass
		1752.5	25	0	5.001	Pass
	16QAM	1712.5	25	0	5.009	Pass
		1732.5	25	0	5.044	Pass
		1752.5	25	0	5.077	Pass
10	QPSK	1715	50	0	9.974	Pass
		1732.5	50	0	9.901	Pass
		1750	50	0	10.018	Pass
	16QAM	1715	50	0	9.971	Pass
		1732.5	50	0	9.973	Pass
		1750	50	0	9.926	Pass
15	QPSK	1717.5	75	0	15.050	Pass
		1732.5	75	0	14.858	Pass
		1747.5	75	0	14.925	Pass
	16QAM	1717.5	75	0	14.925	Pass
		1732.5	75	0	14.880	Pass
		1747.5	75	0	14.874	Pass
20	QPSK	1720	100	0	19.696	Pass
		1732.5	100	0	19.782	Pass
		1745	100	0	19.714	Pass
	16QAM	1720	100	0	19.787	Pass
		1732.5	100	0	19.988	Pass
		1745	100	0	19.745	Pass

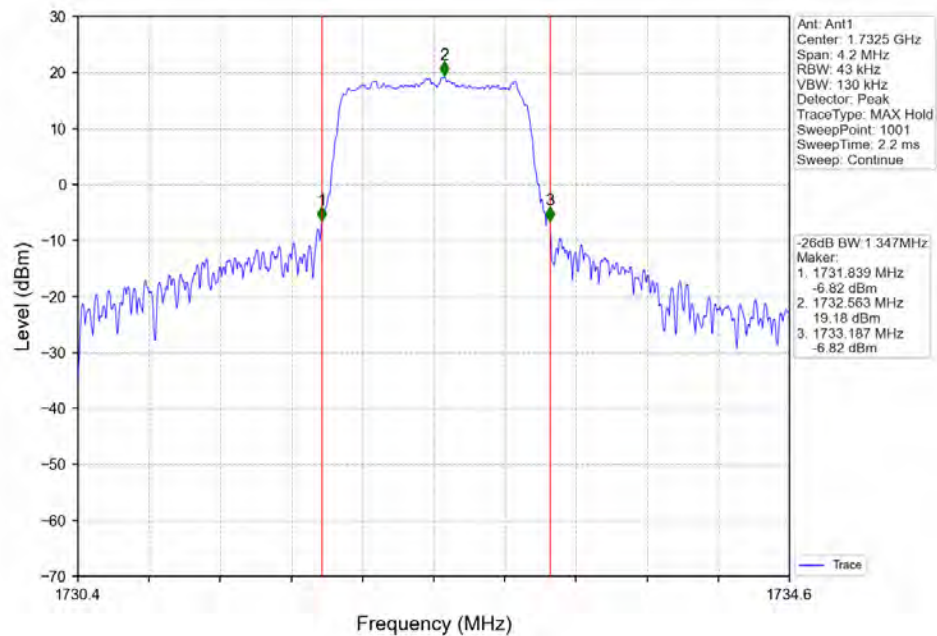


2.7.2. Test Graph

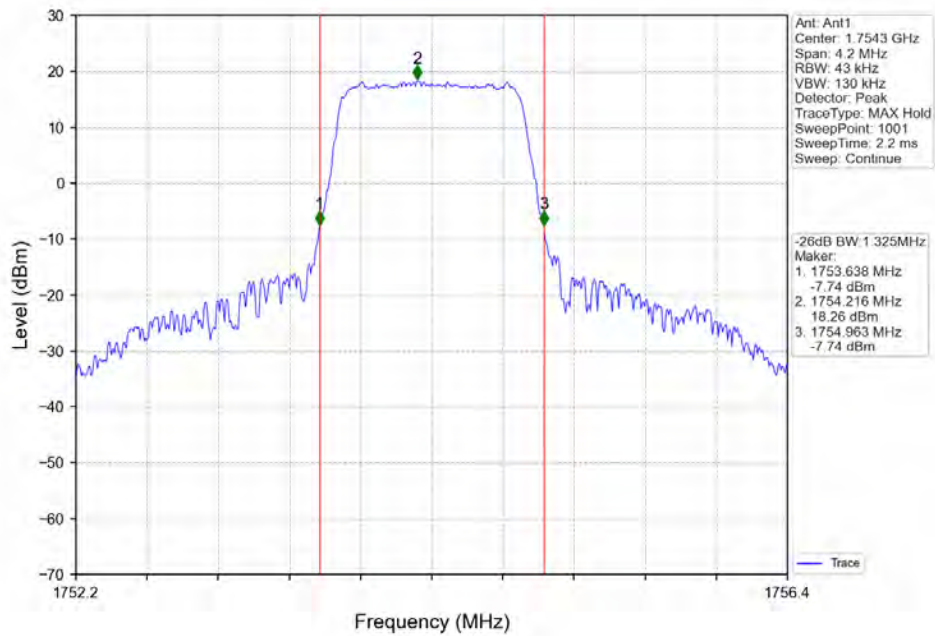
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



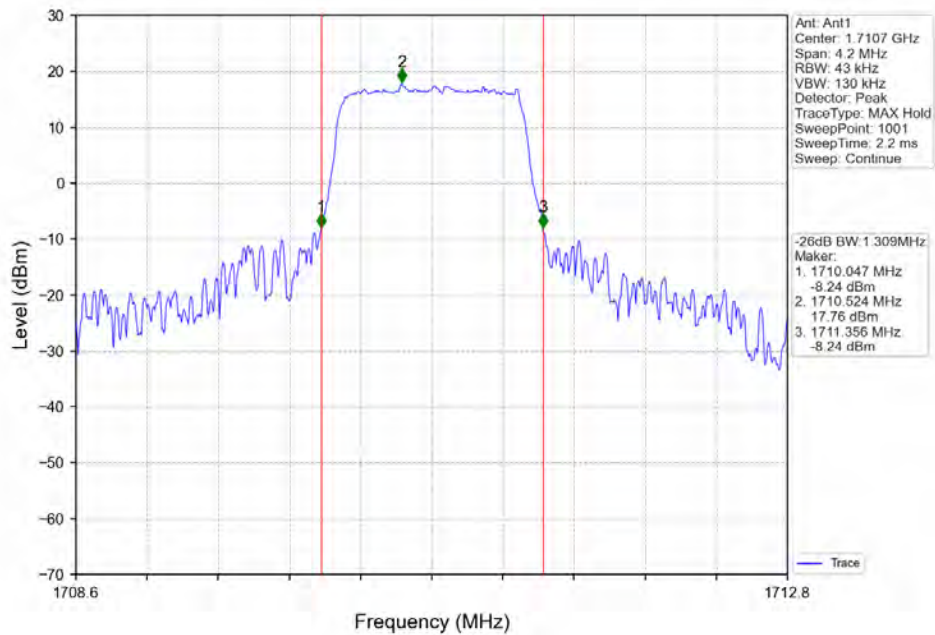
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

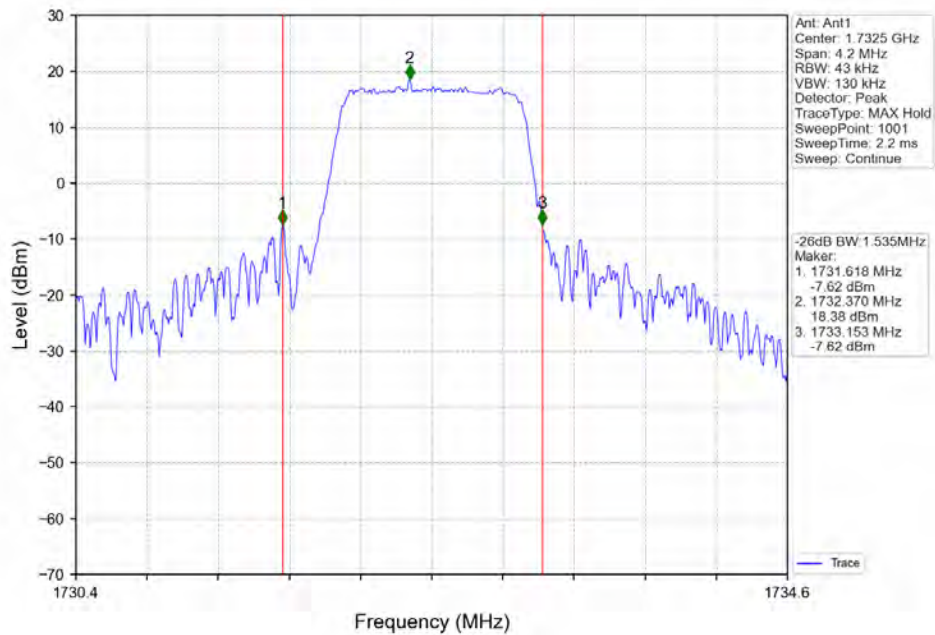


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

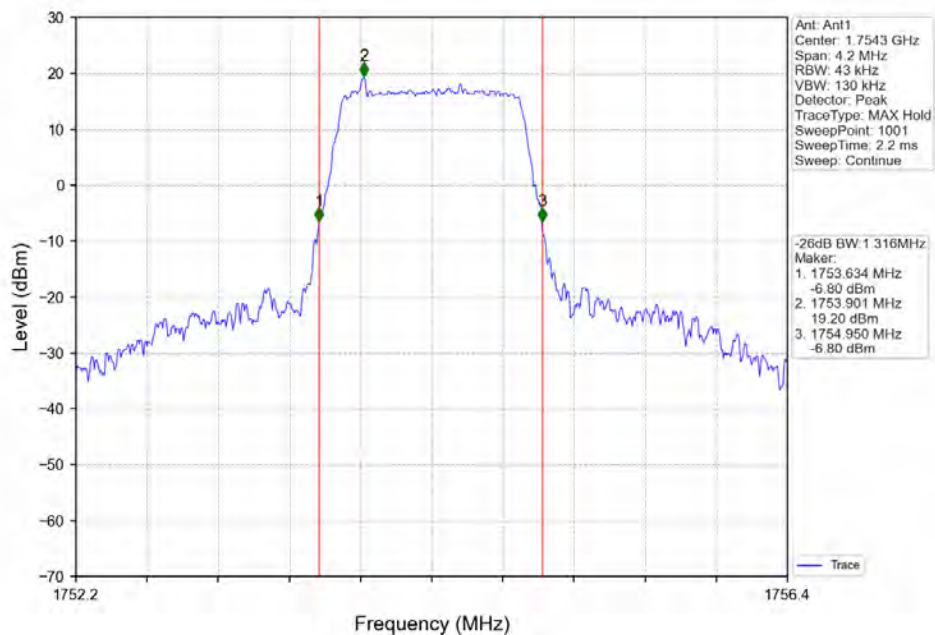




Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV

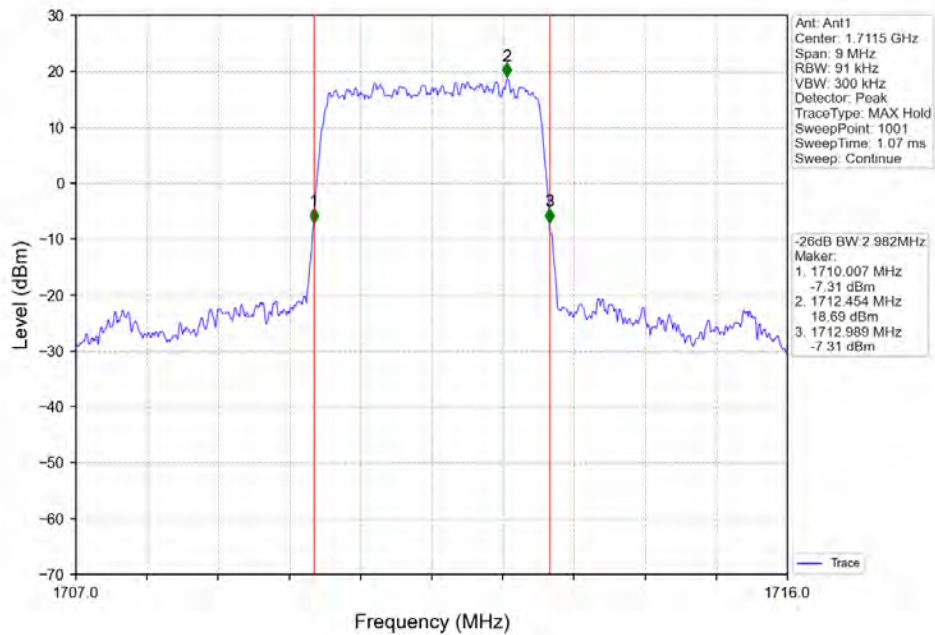


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

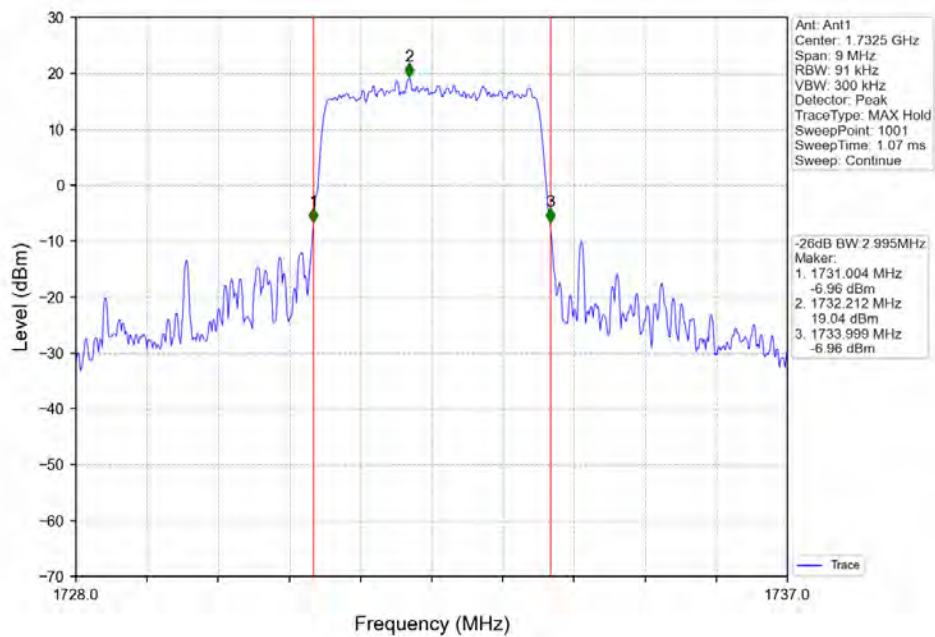




Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

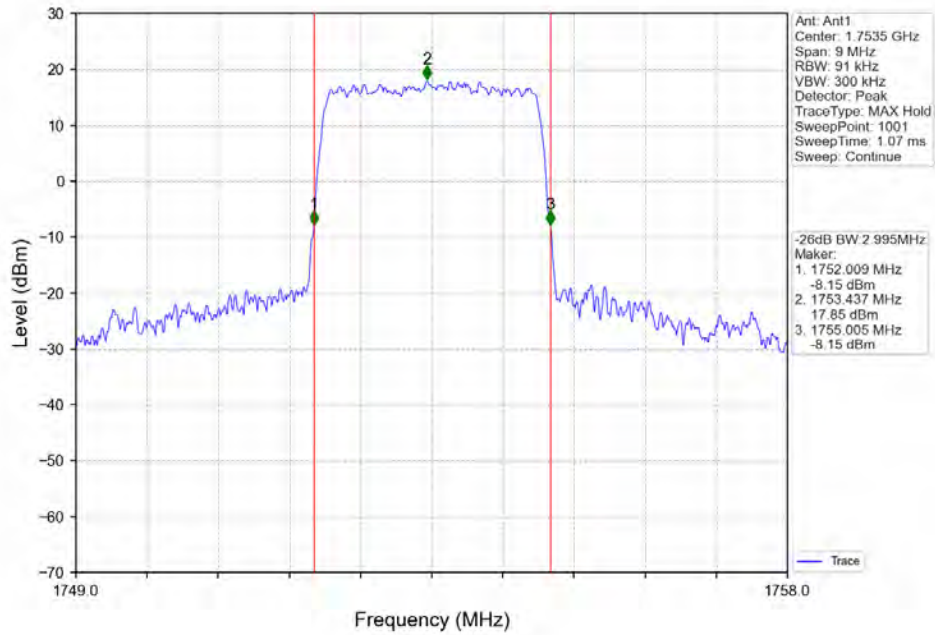


Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV

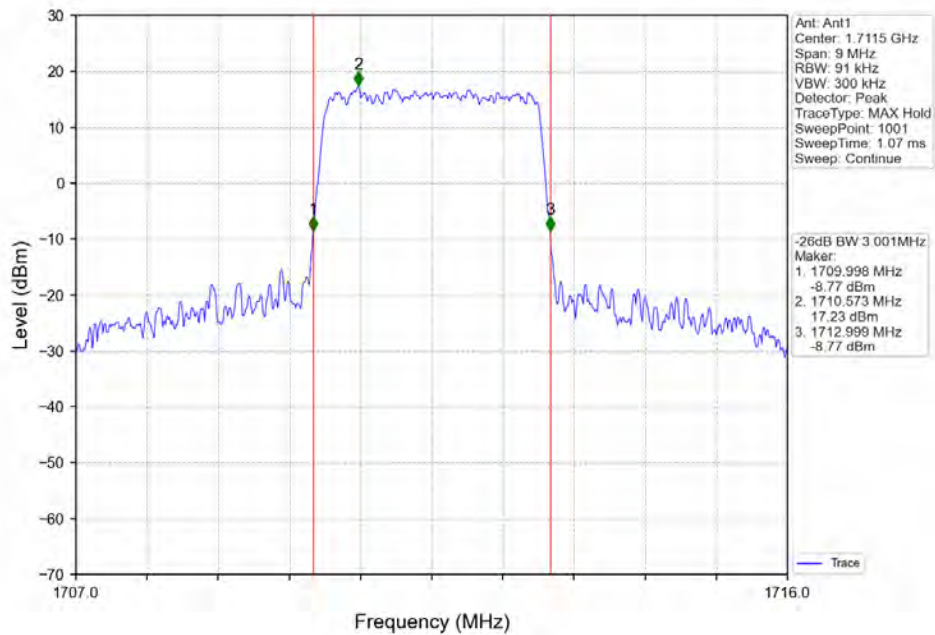




Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

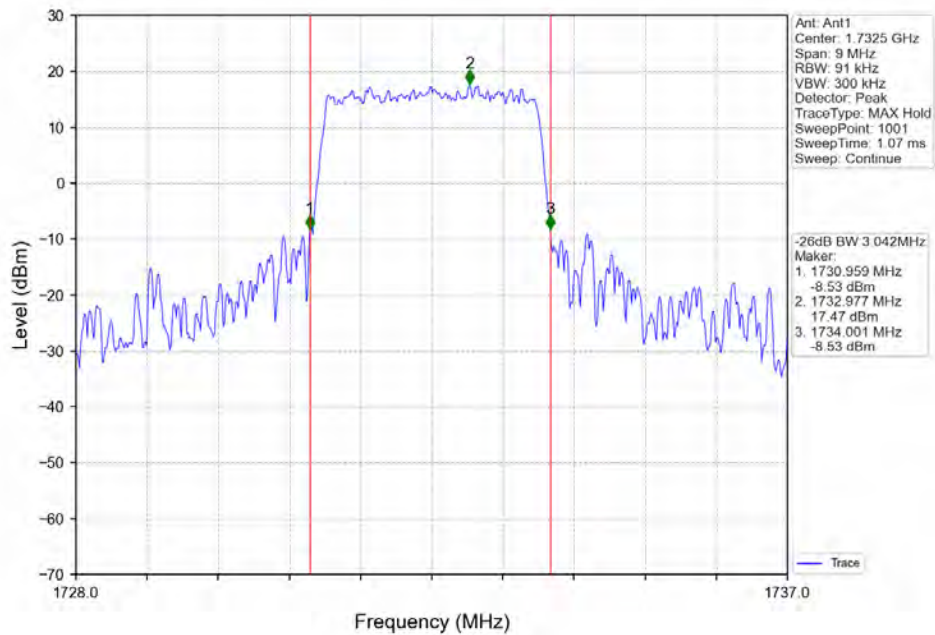


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV

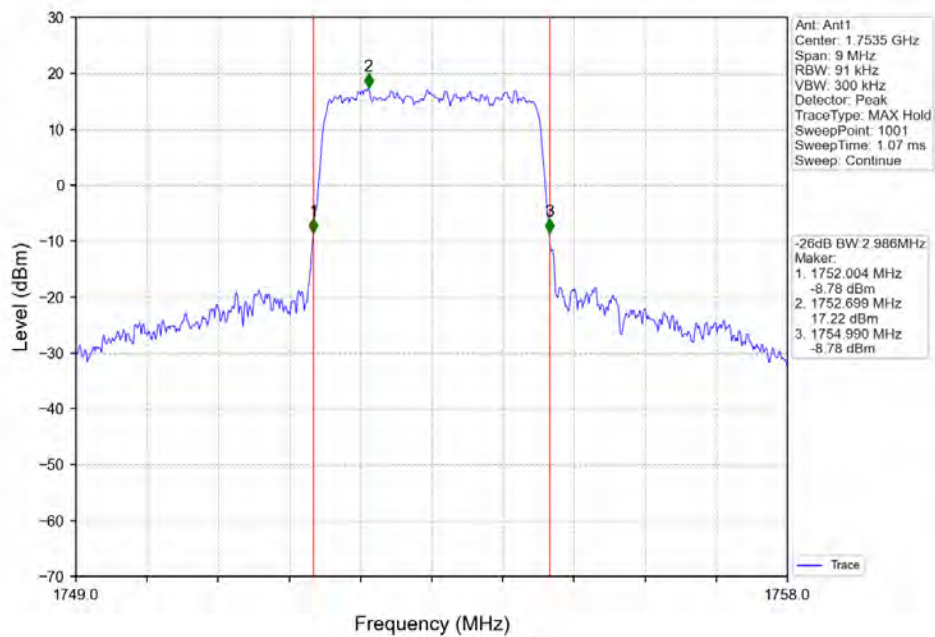




Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV

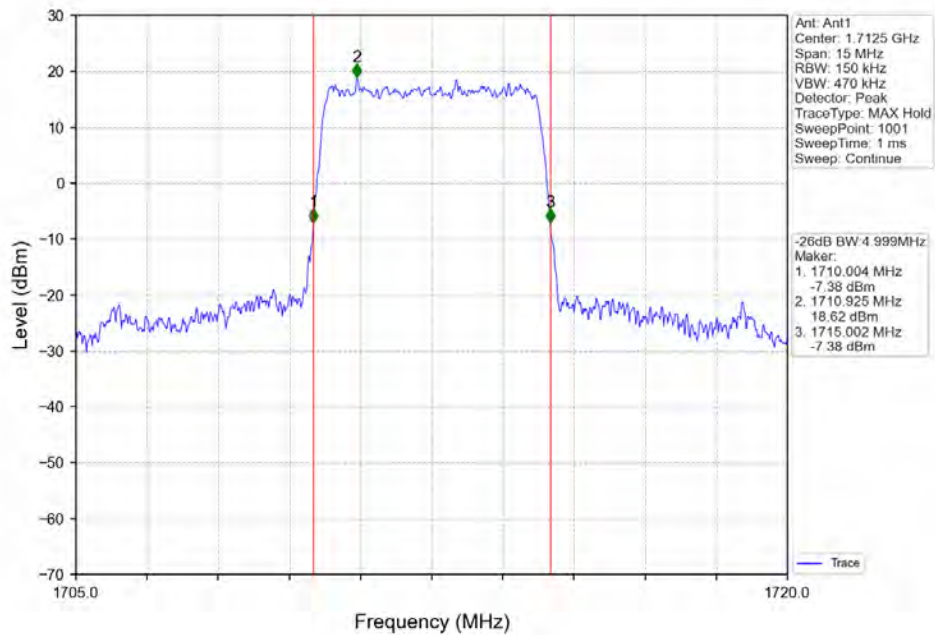


Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

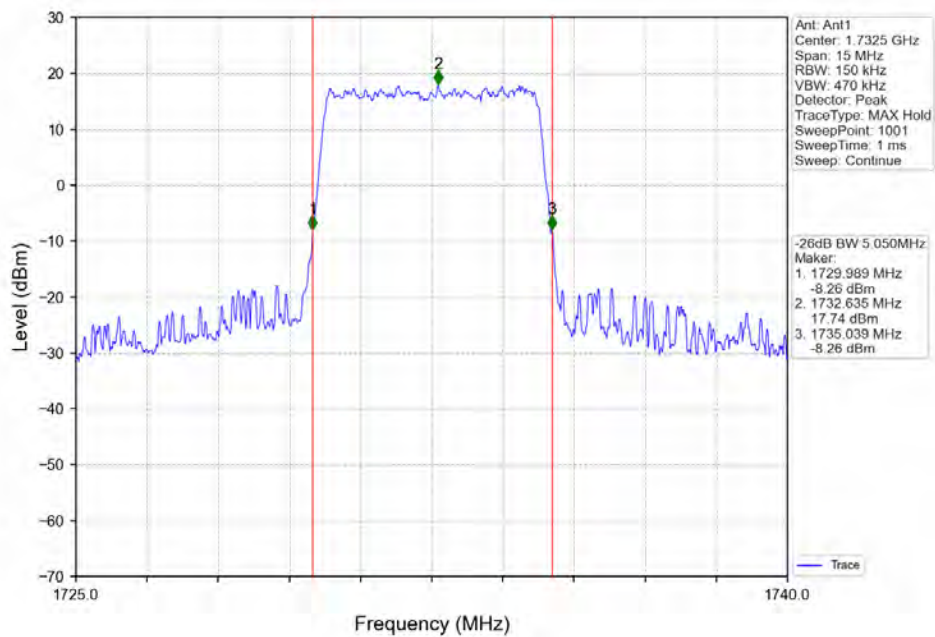




Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

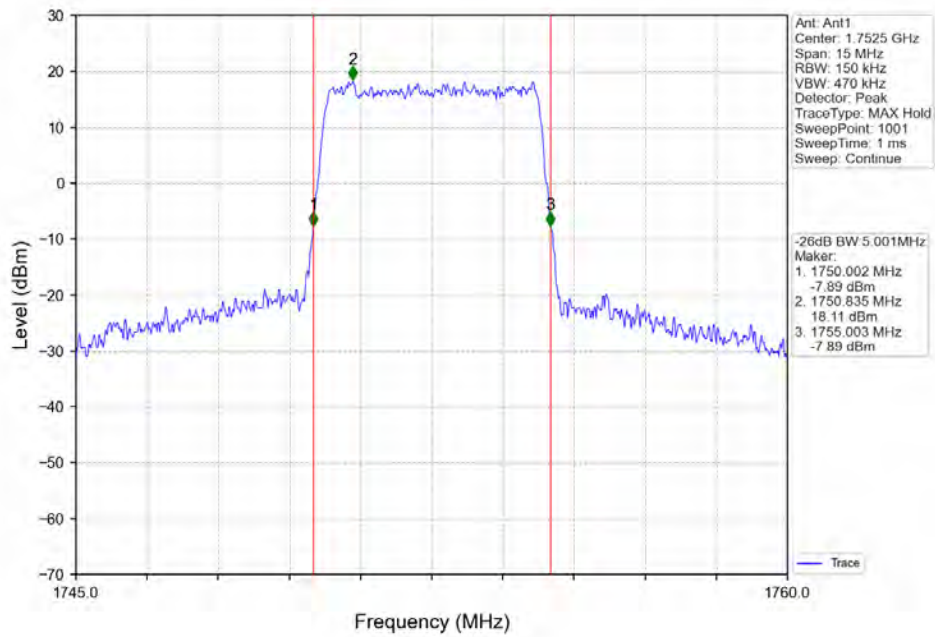


Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV

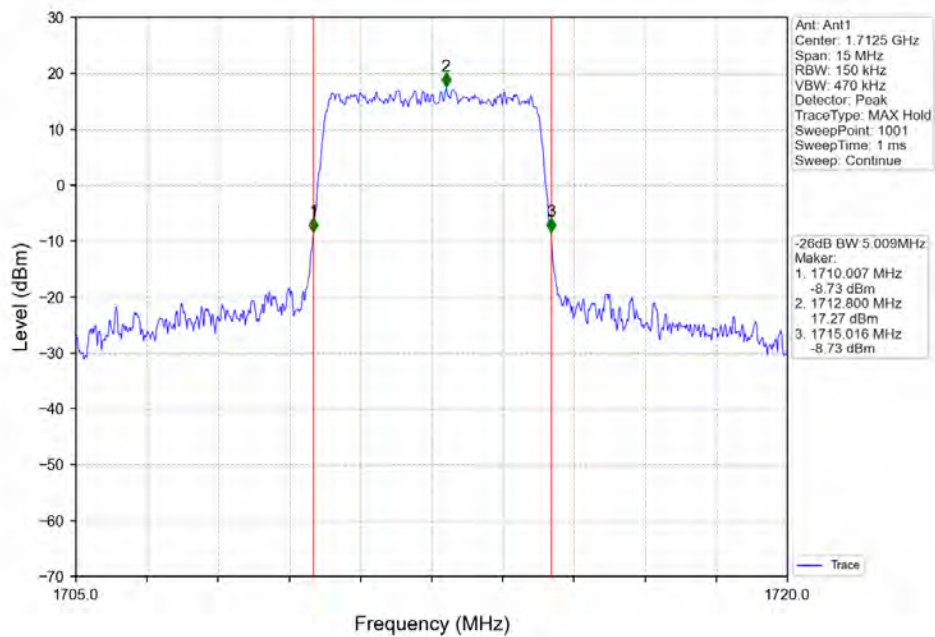




Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

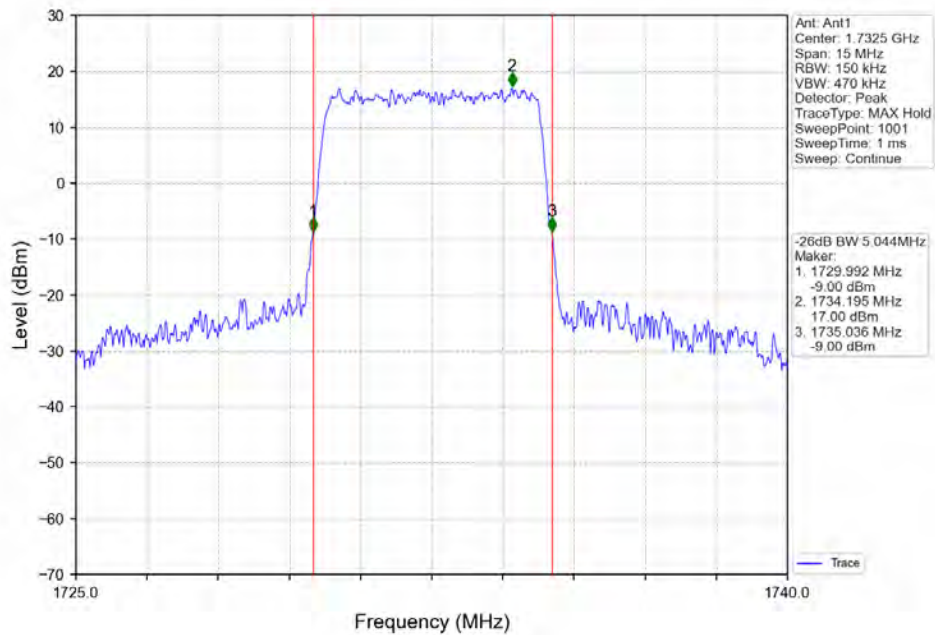


Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTV

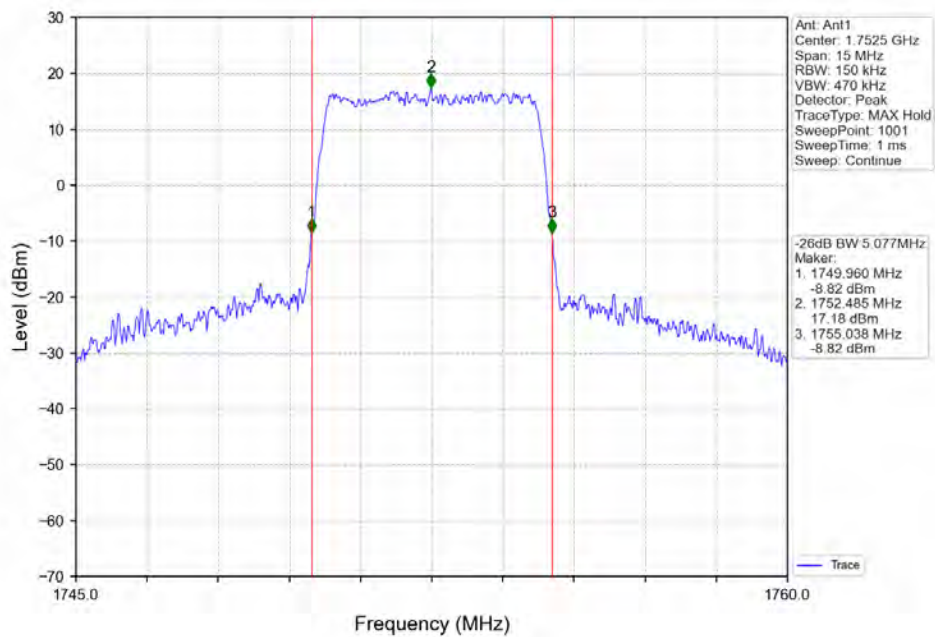




Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV

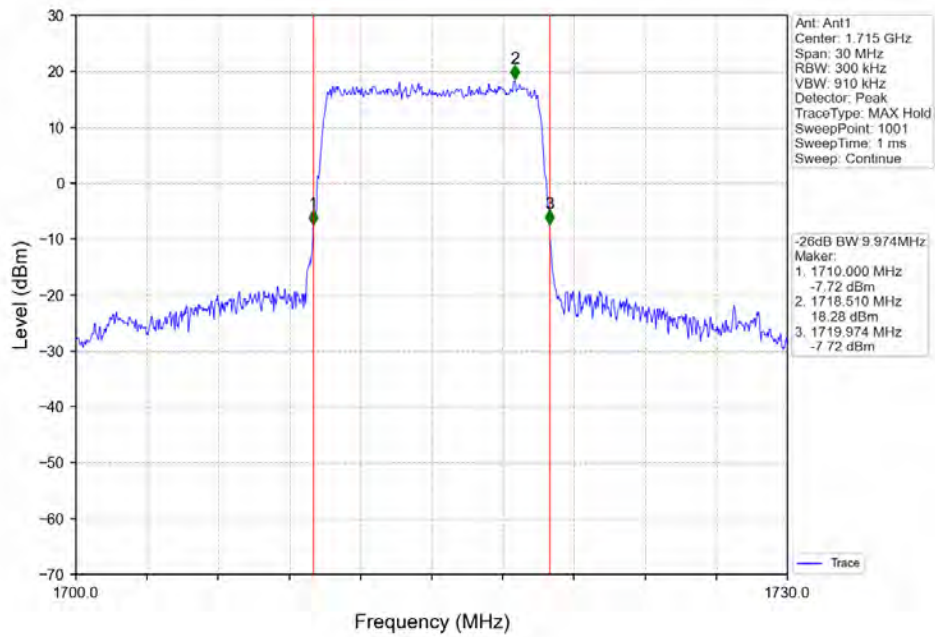


Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

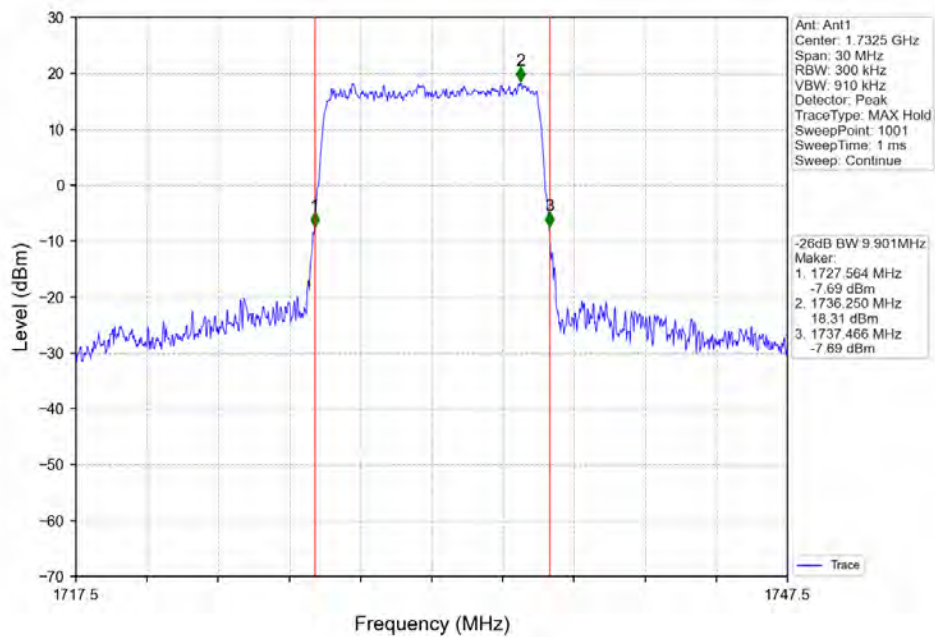




Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

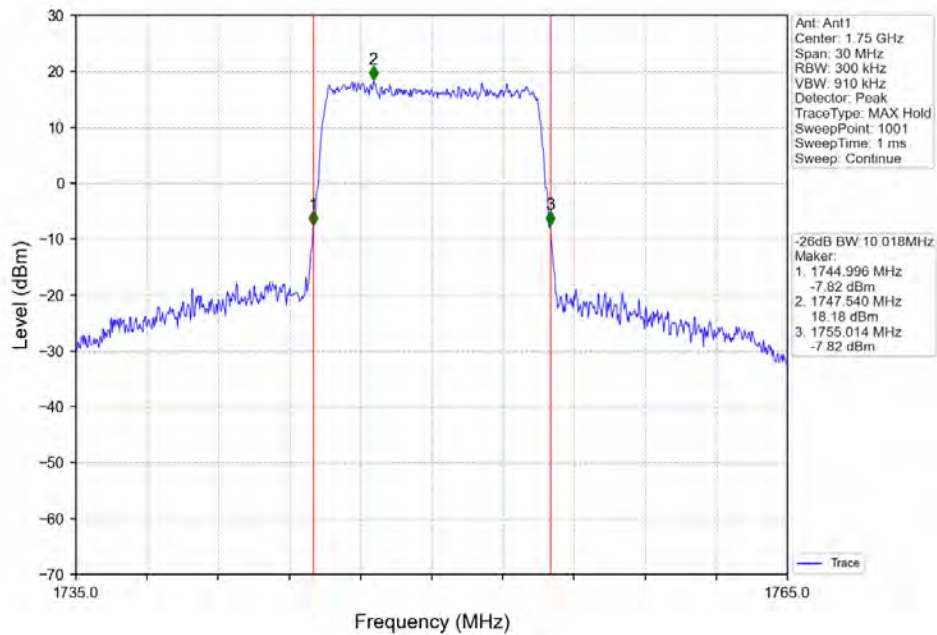


Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV

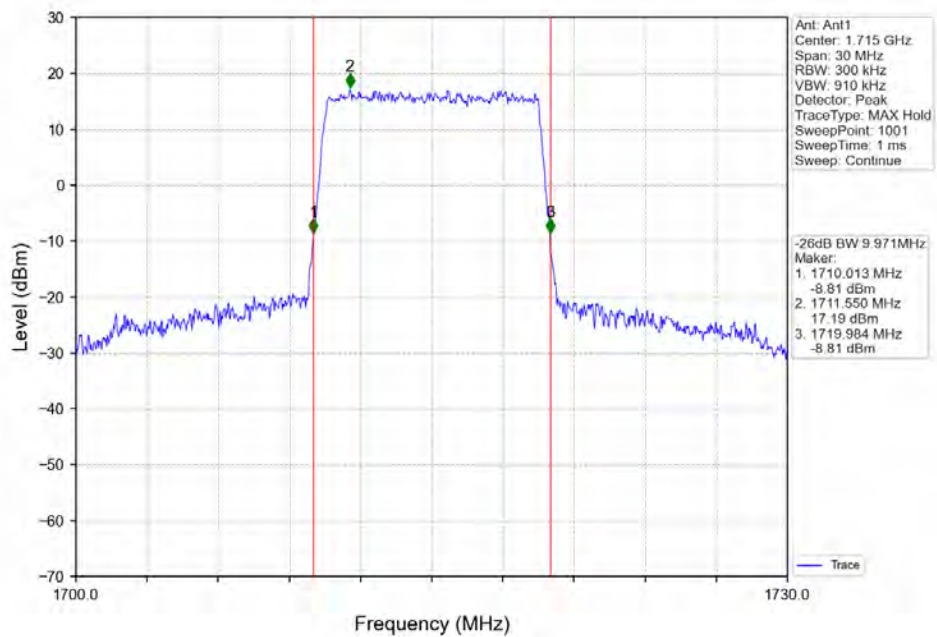




Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

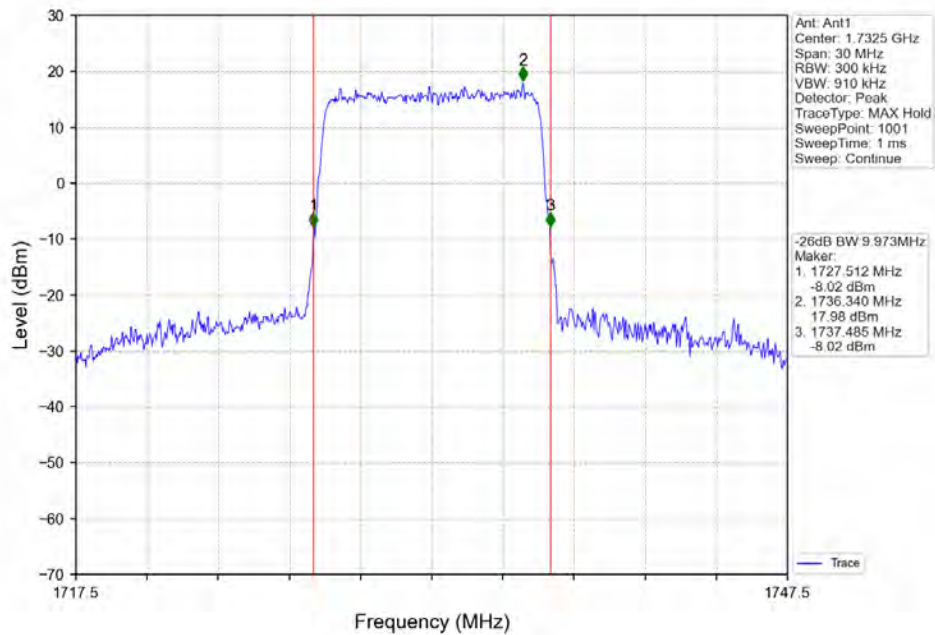


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

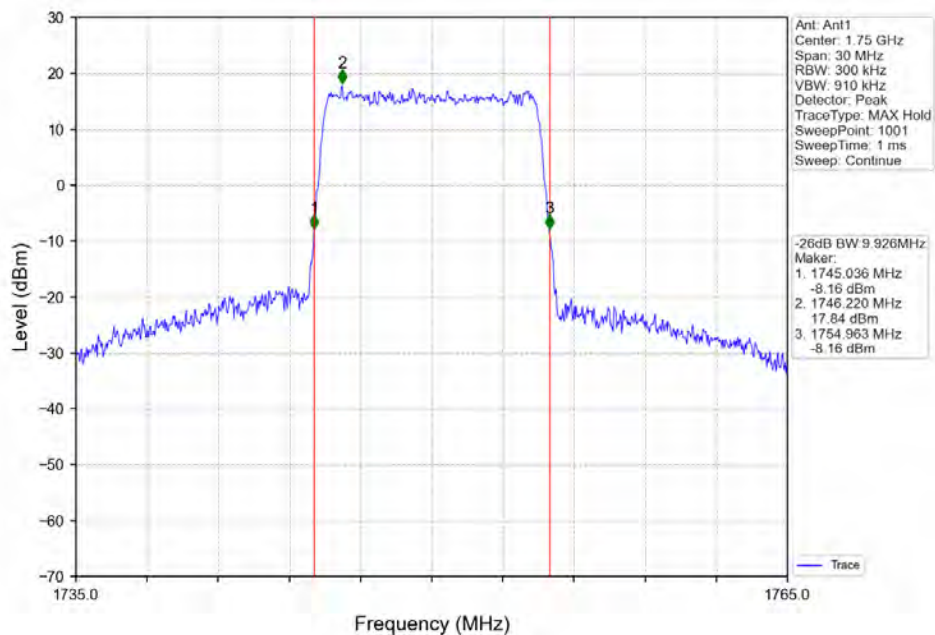




Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV

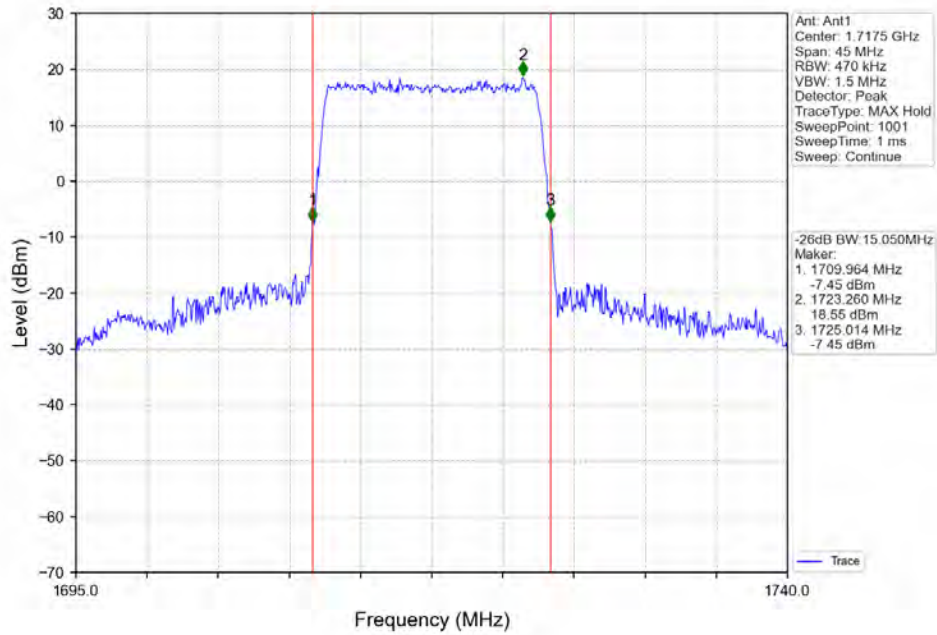


Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

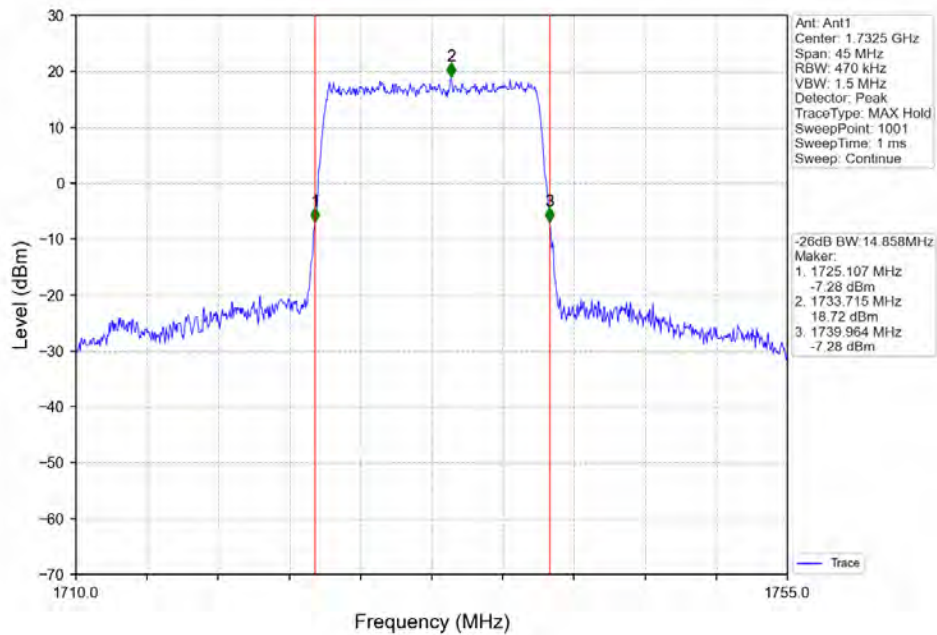




Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

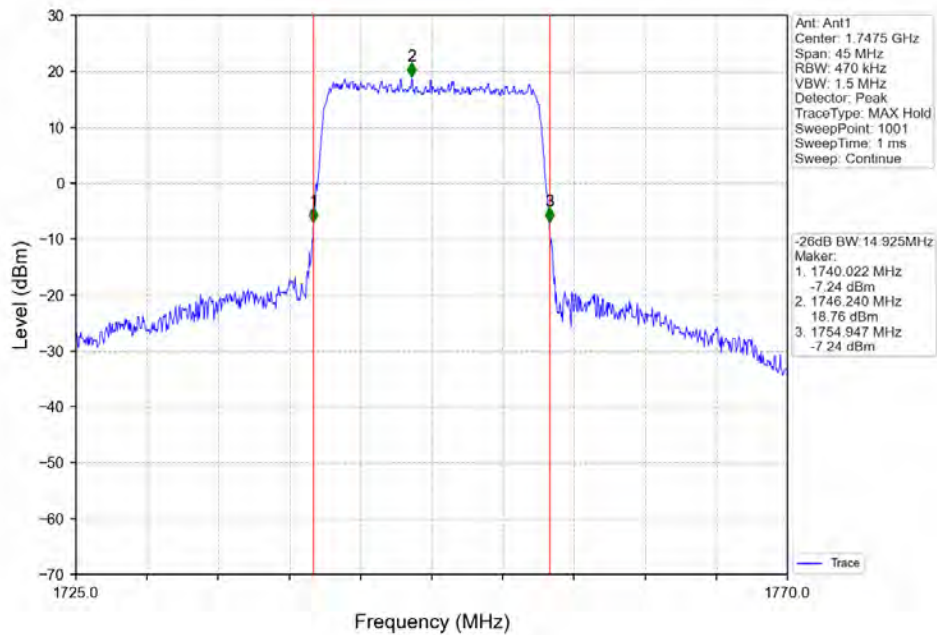


Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV

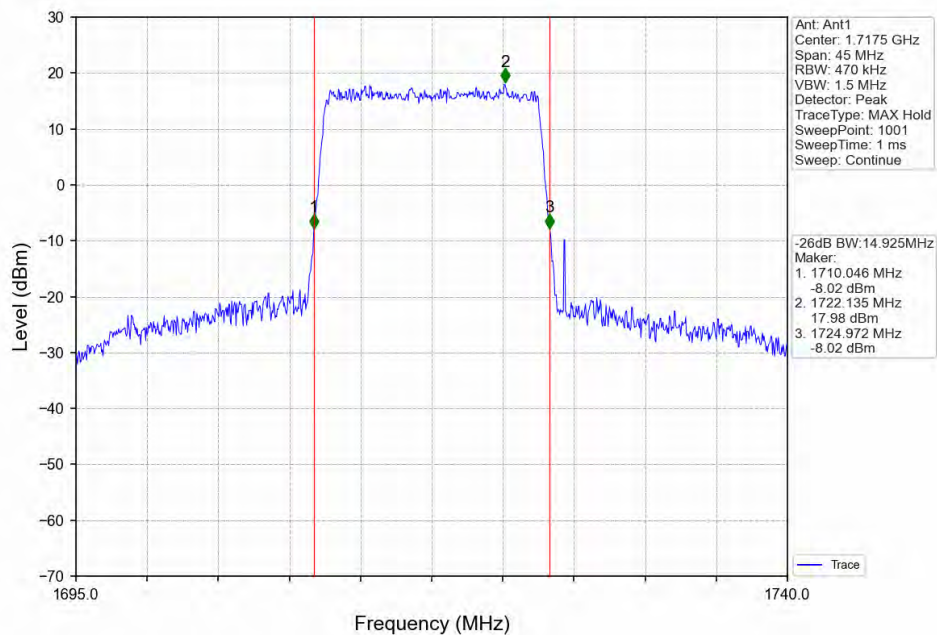




Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

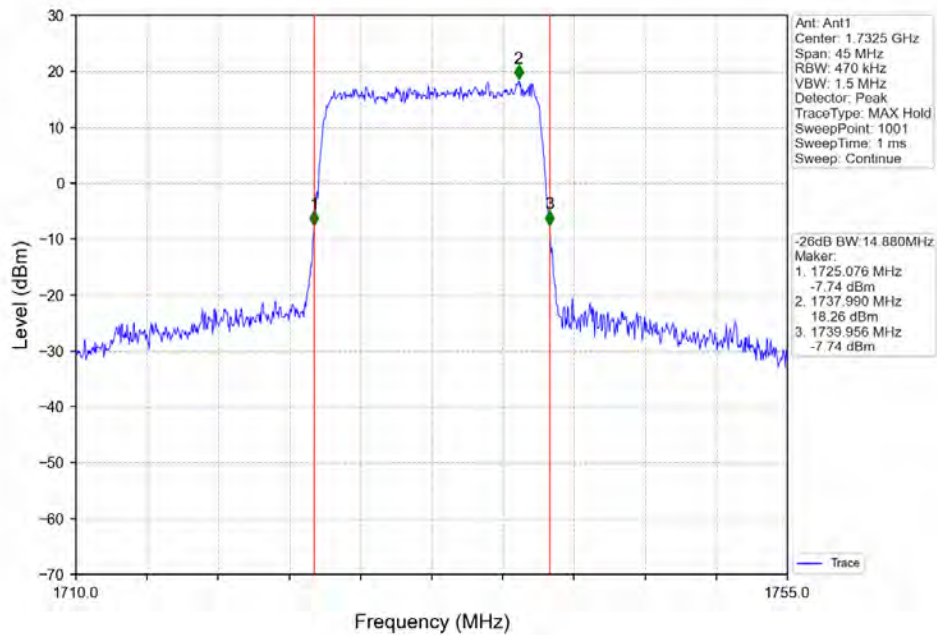


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

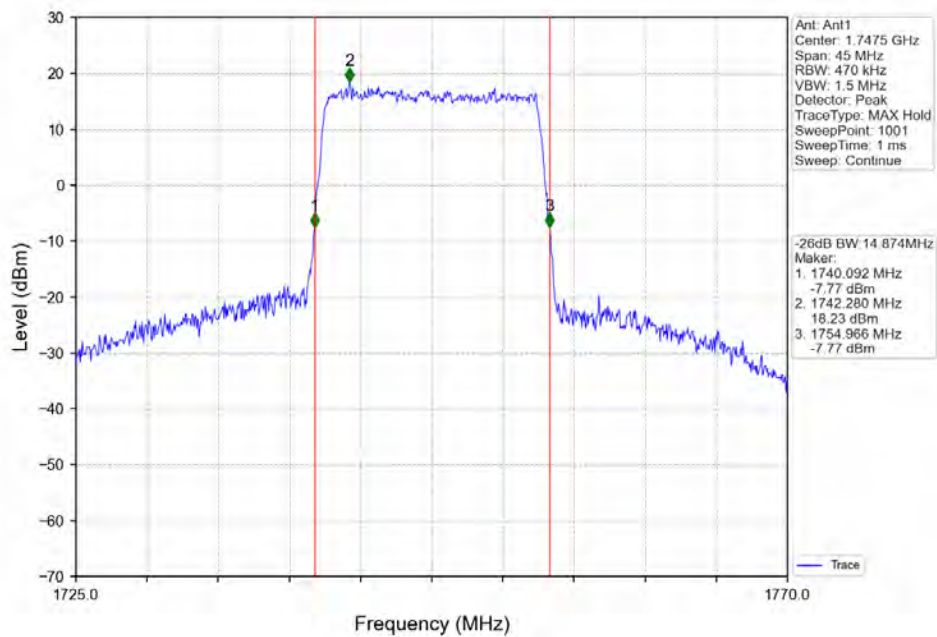




Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV

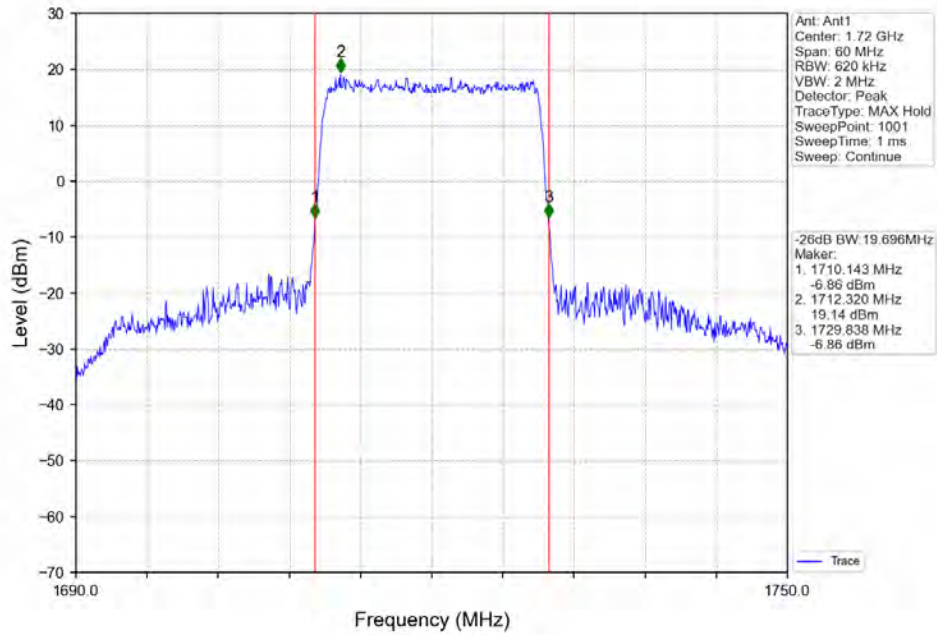


Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

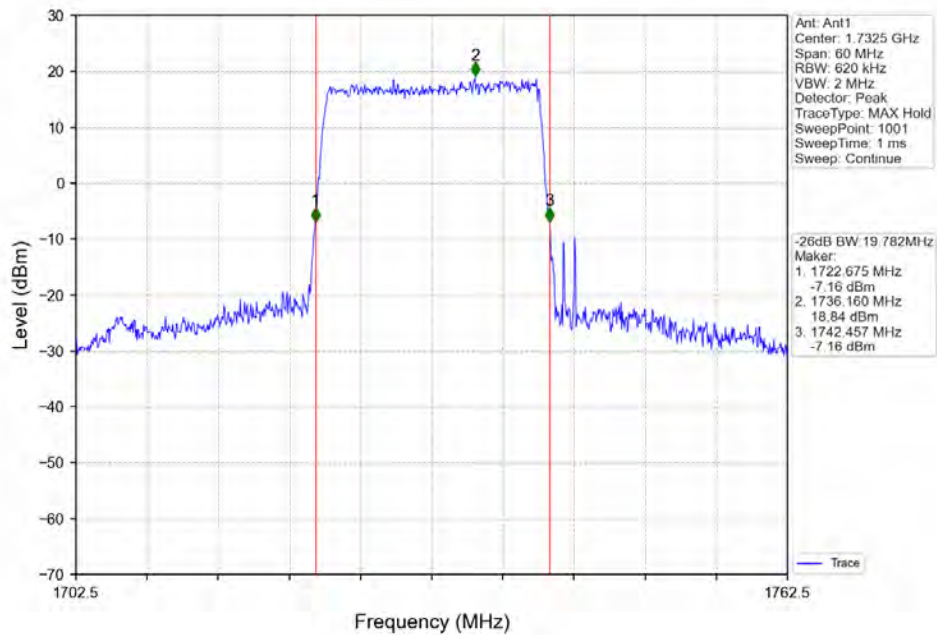




Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTV

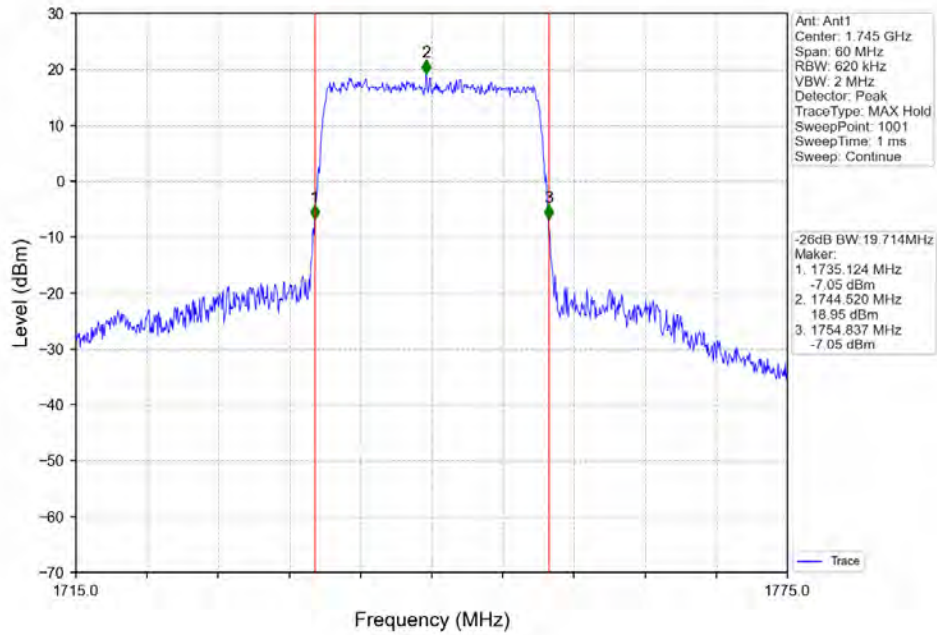


Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTV

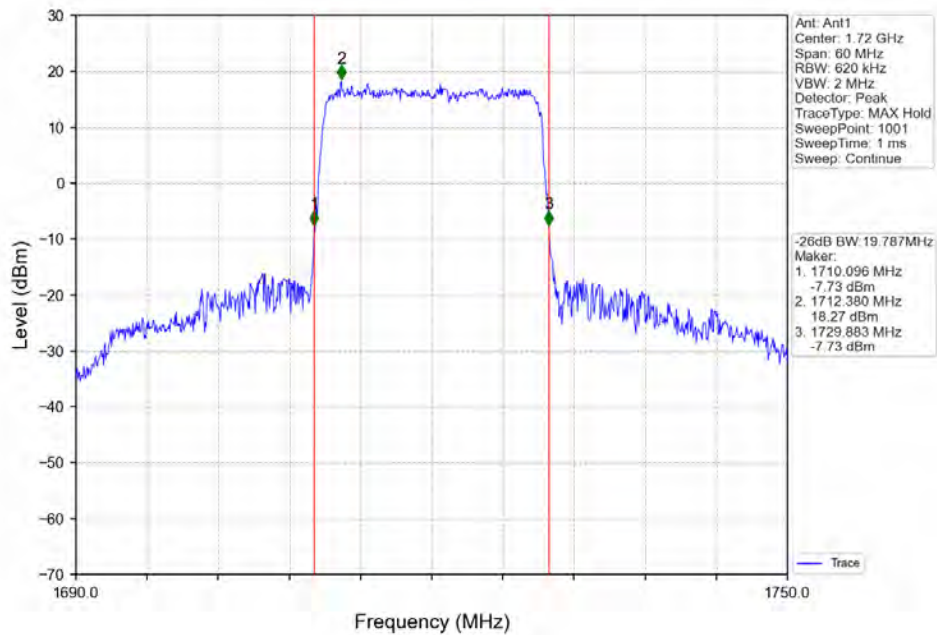




Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV

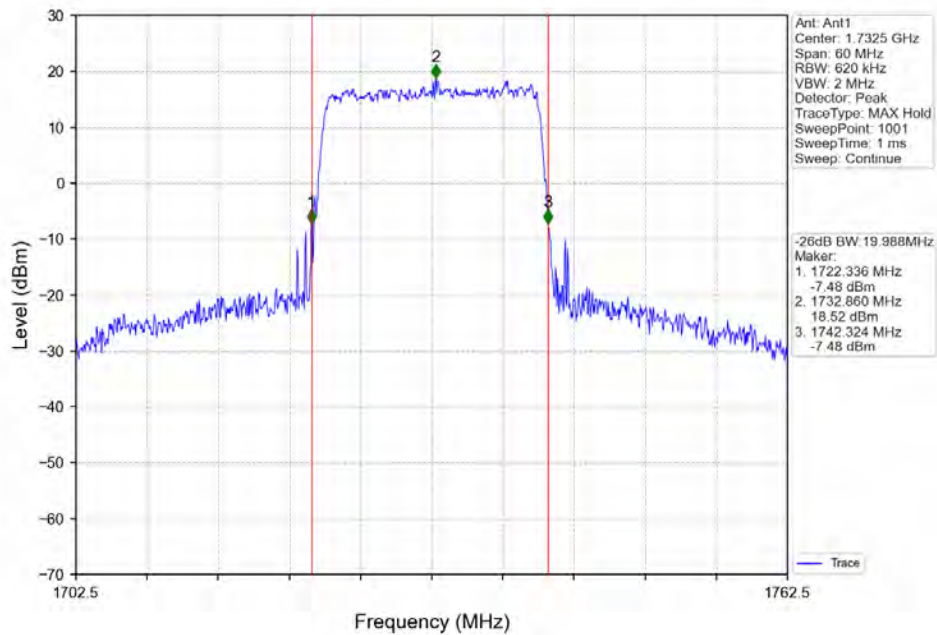


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

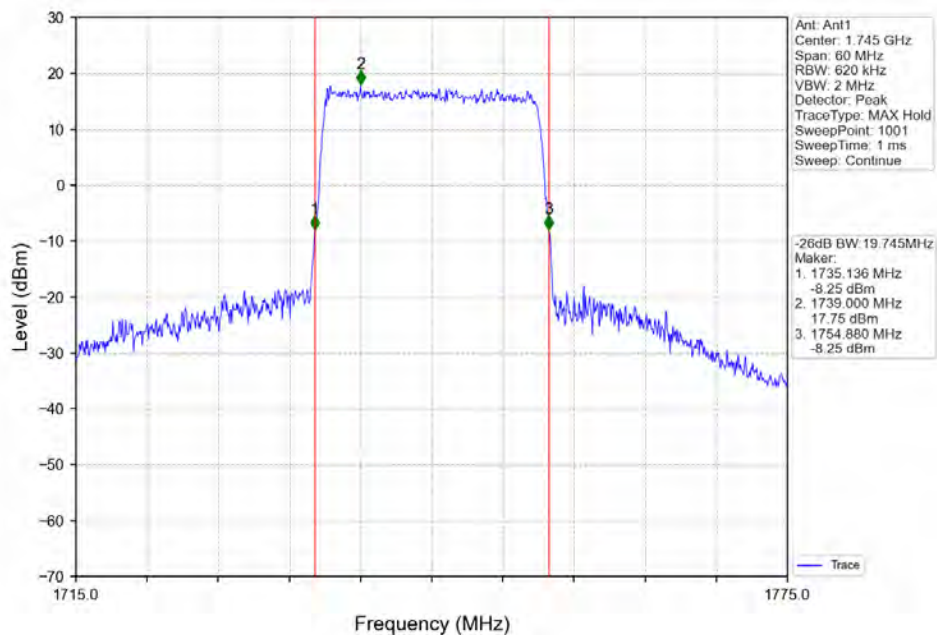




Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV





2.8. LTE_Band12_26DB

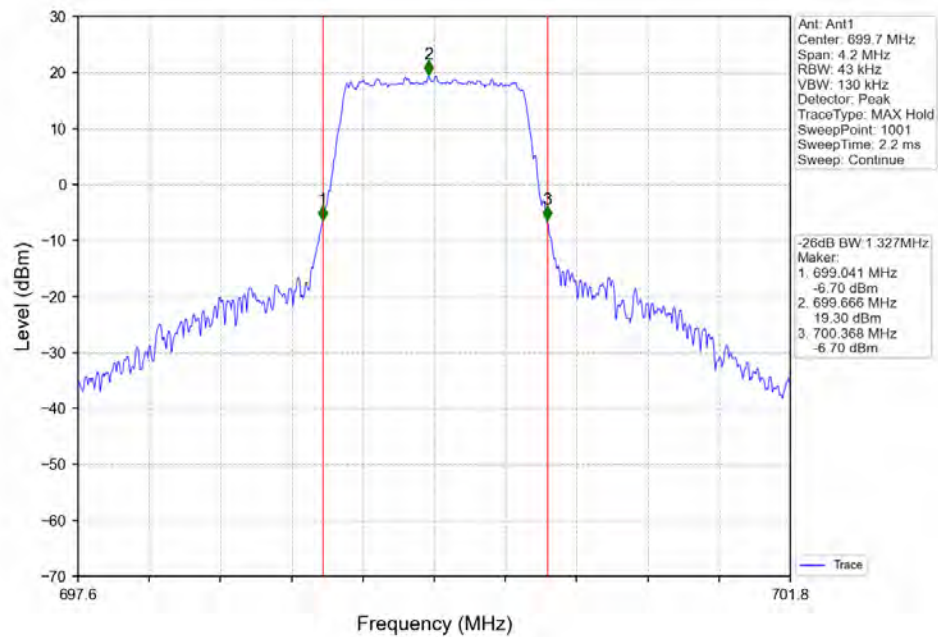
2.8.1. Test Result

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.327	Pass
		707.5	6	0	1.316	Pass
		715.3	6	0	1.329	Pass
	16QAM	699.7	6	0	1.398	Pass
		707.5	6	0	1.323	Pass
		715.3	6	0	1.309	Pass
3	QPSK	700.5	15	0	2.987	Pass
		707.5	15	0	2.995	Pass
		714.5	15	0	2.995	Pass
	16QAM	700.5	15	0	2.986	Pass
		707.5	15	0	2.996	Pass
		714.5	15	0	3.011	Pass
5	QPSK	701.5	25	0	5.268	Pass
		707.5	25	0	5.281	Pass
		713.5	25	0	5.227	Pass
	16QAM	701.5	25	0	5.243	Pass
		707.5	25	0	5.212	Pass
		713.5	25	0	5.309	Pass
10	QPSK	704	50	0	10.370	Pass
		707.5	50	0	10.245	Pass
		711	50	0	10.138	Pass
	16QAM	704	50	0	10.268	Pass
		707.5	50	0	10.243	Pass
		711	50	0	10.260	Pass

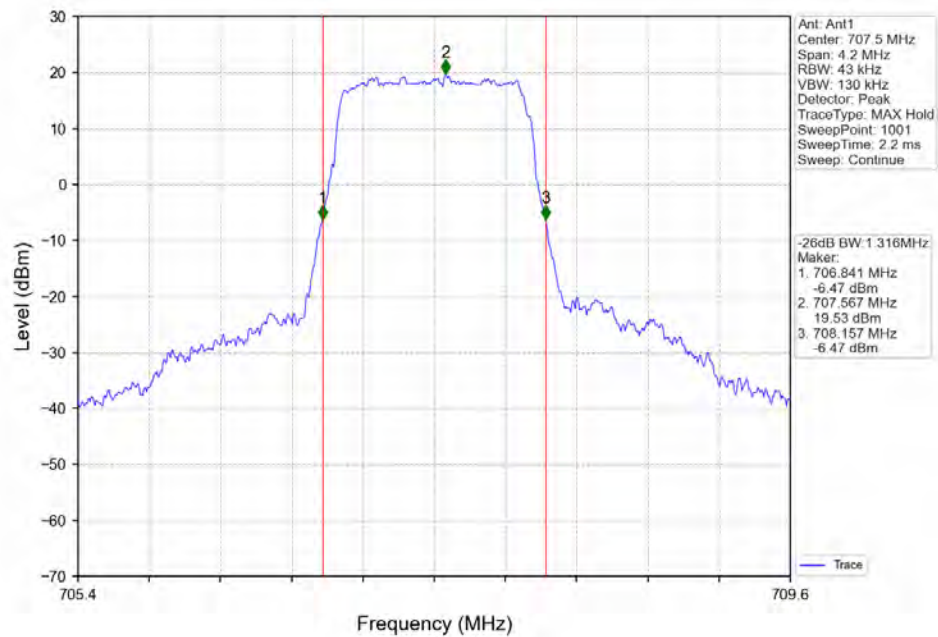


2.8.2. Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV