

FCC TEST REPORT (PART 27)

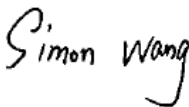
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Manufacturer or Supplier:	Shenzhen Zolon Technology Co., Ltd.
Address:	401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen, China
Product:	Pay Tablet
Brand Name:	ZOLON
Model Name:	M8
HW version:	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

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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
				50	3.85	-4.45	-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



					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	Pass
				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
				50	3.85	-2.32	-0.00	-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



	707.5	15	0	-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
				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
	714.5	15	0	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
				-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
				50	3.85	-5.24	-0.01	-2.5 to 2.5	Pass
	714.5	15	0	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
16QAM	779.5	25	0		3.85	-7.25	-0.01	-2.5 to 2.5	Pass
				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		3.27	-0.63	-0.00	-2.5 to 2.5	Pass
				20	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		3.27	-6.47	-0.01	-2.5 to 2.5	Pass
				20	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	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	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	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
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

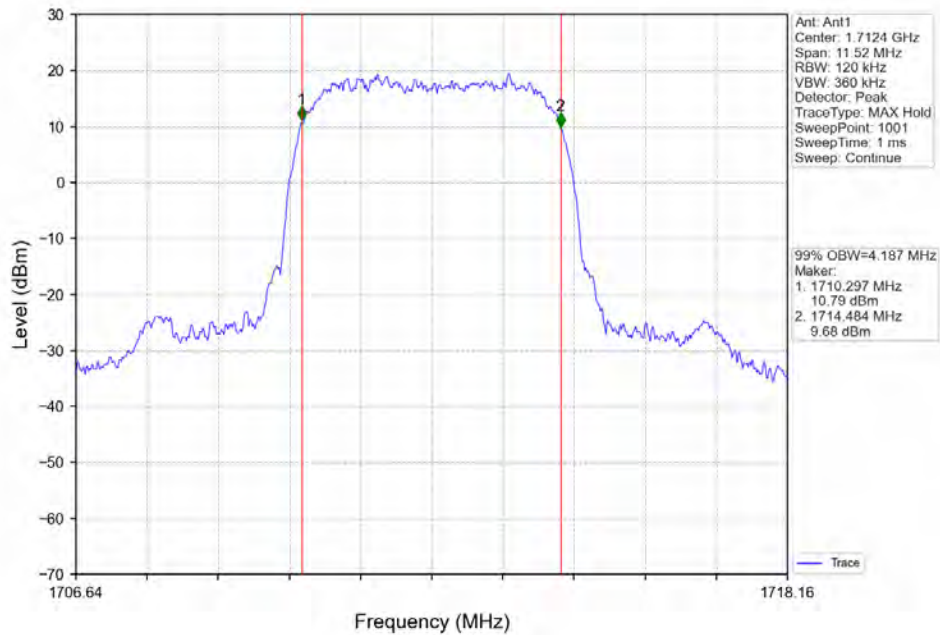
2.1.1. Test Result

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

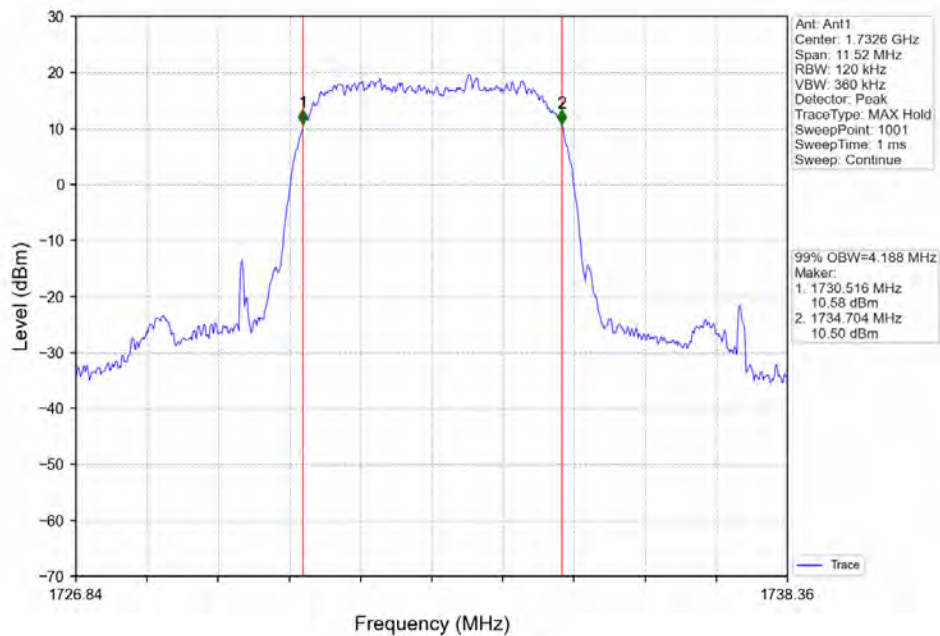


2.1.2. Test Graph

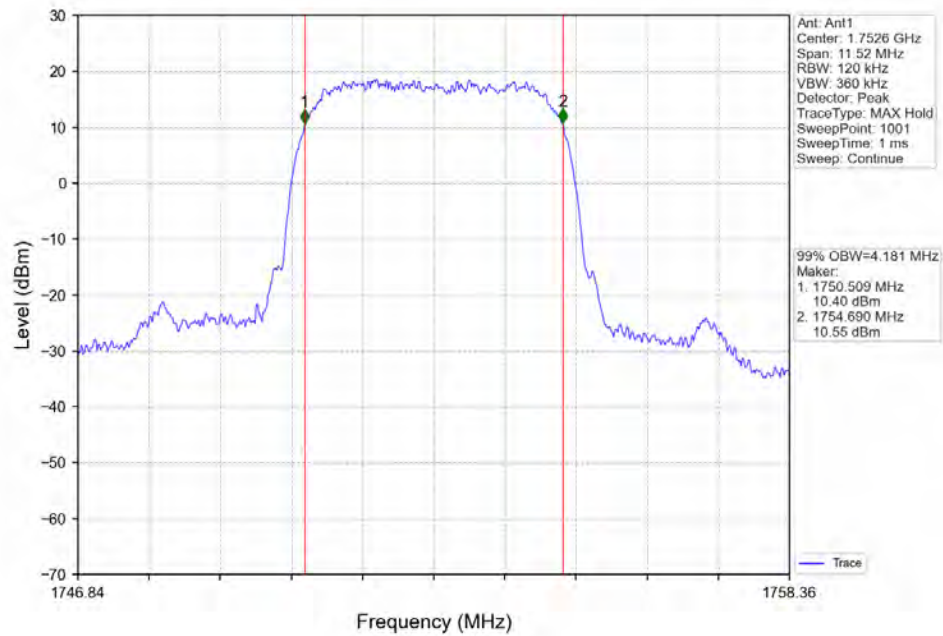
Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV





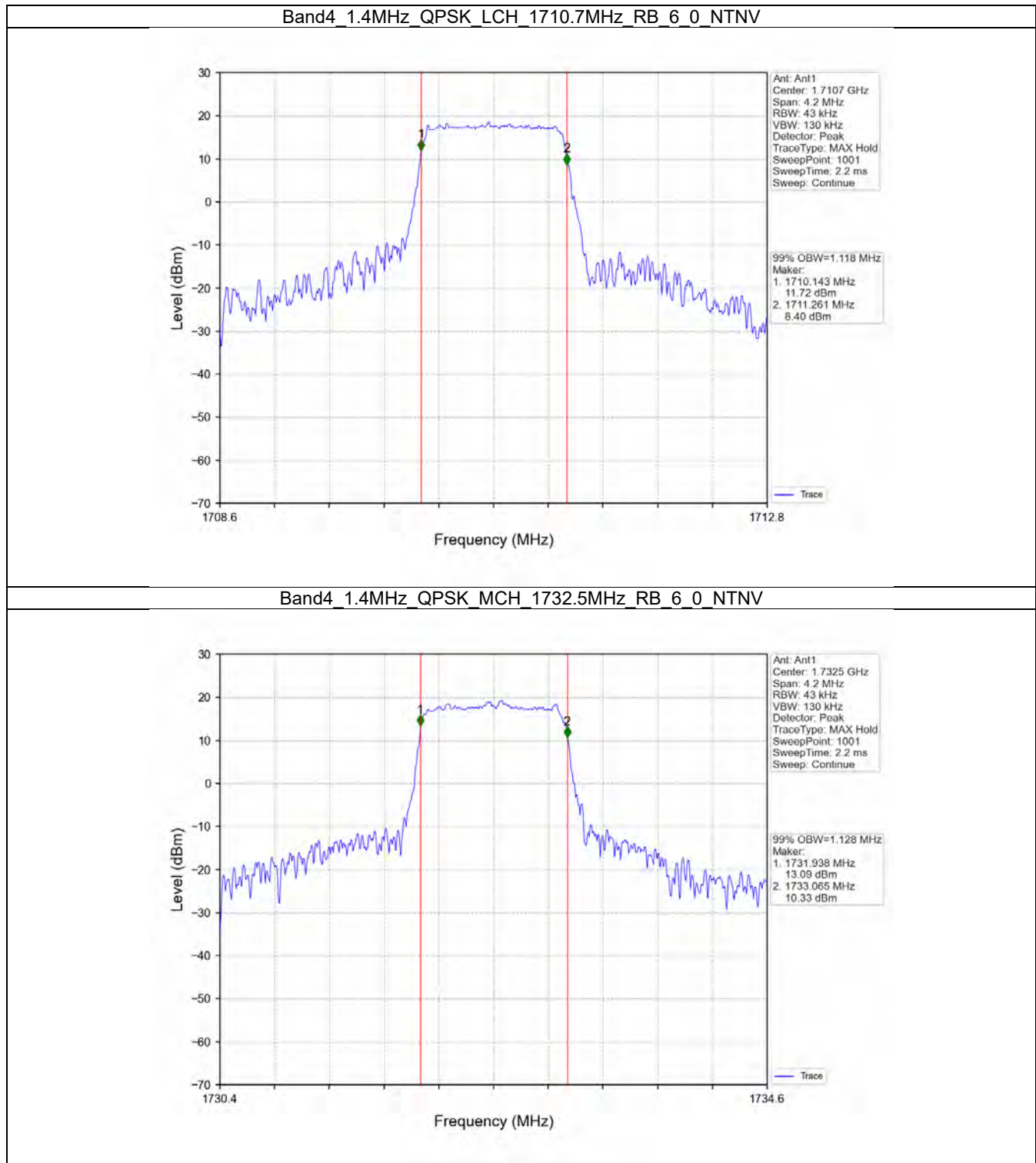
2.2. LTE_B4_OBW

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

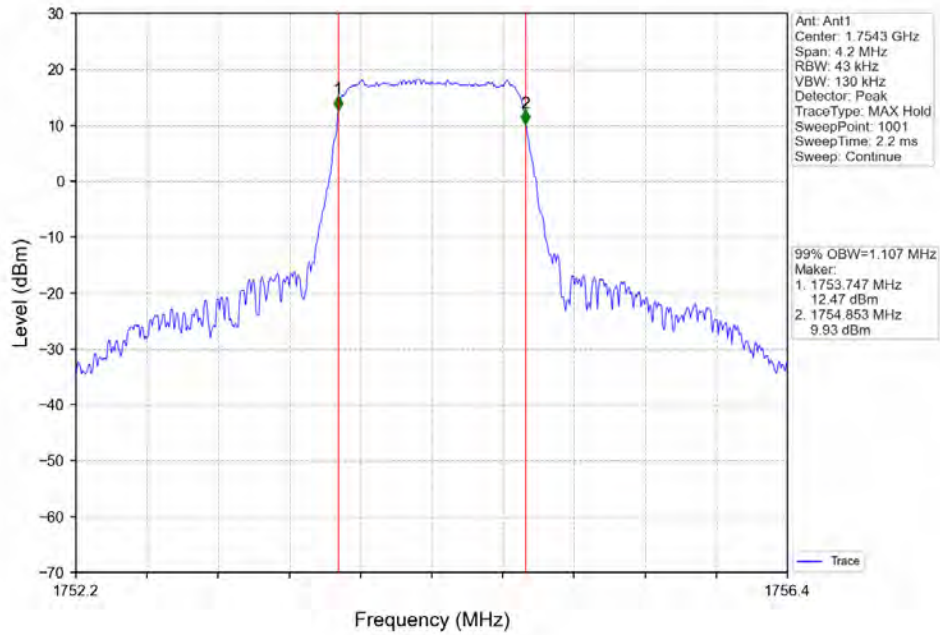


2.2.2. Test Graph

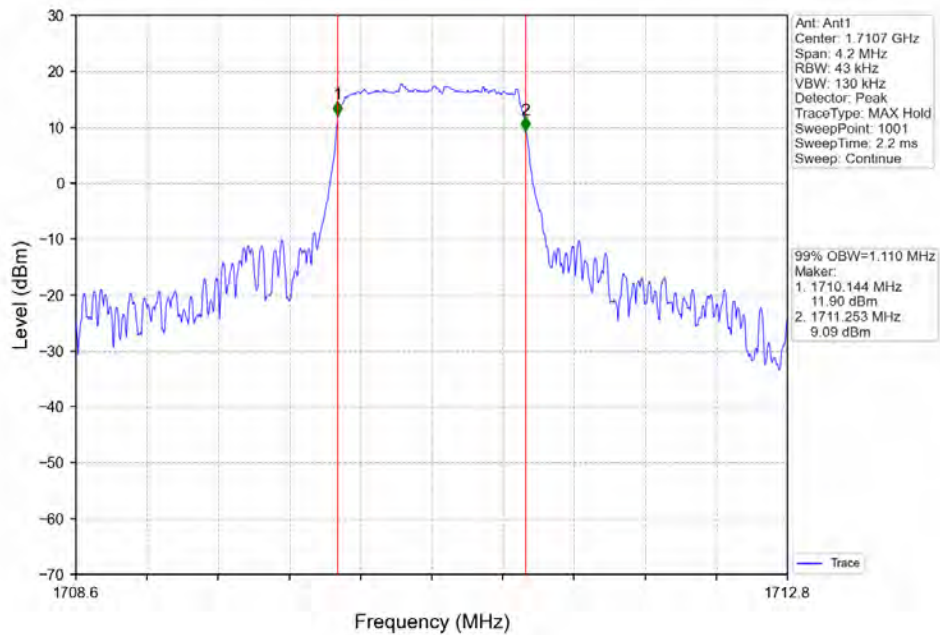




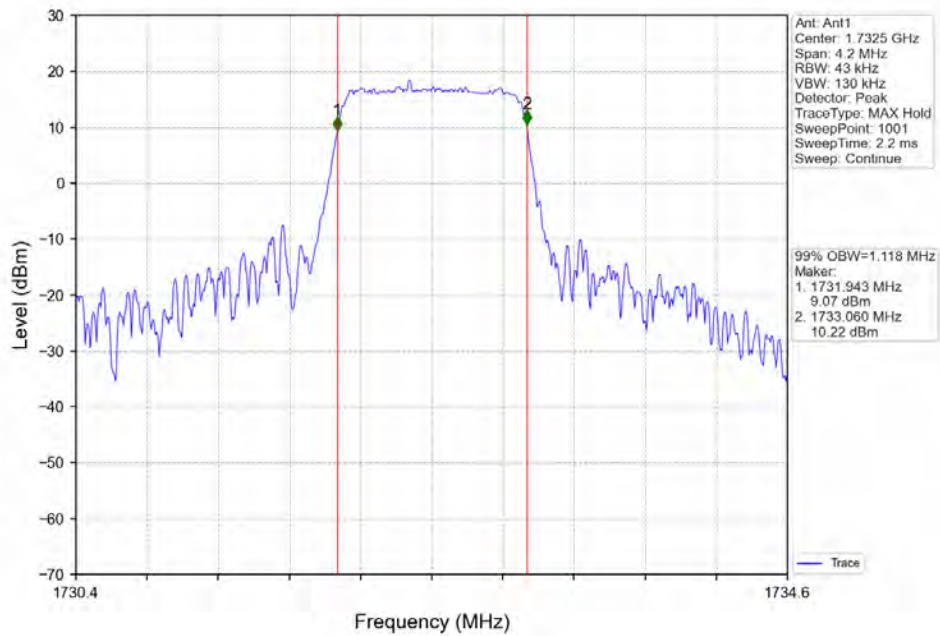
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



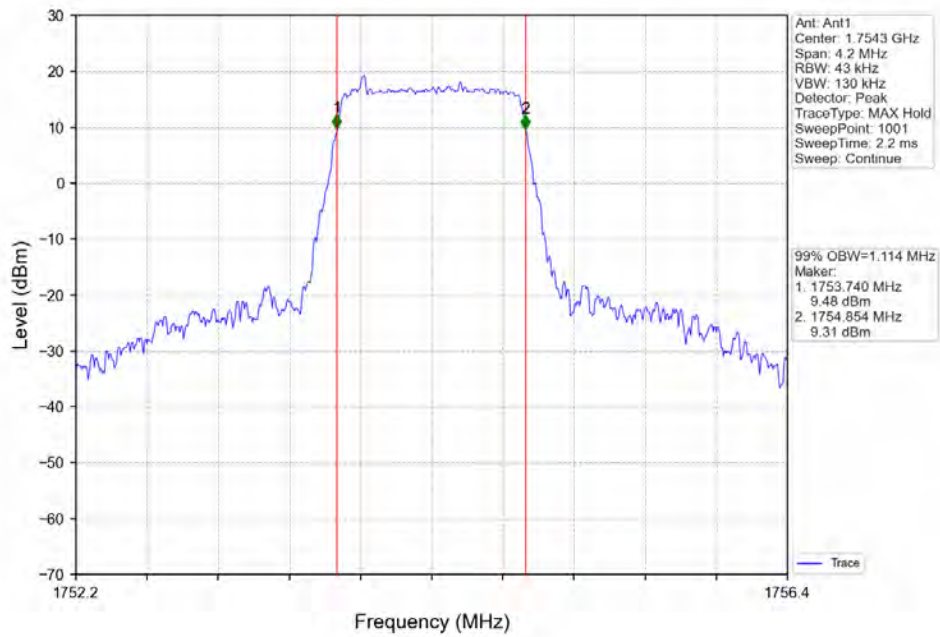
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



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

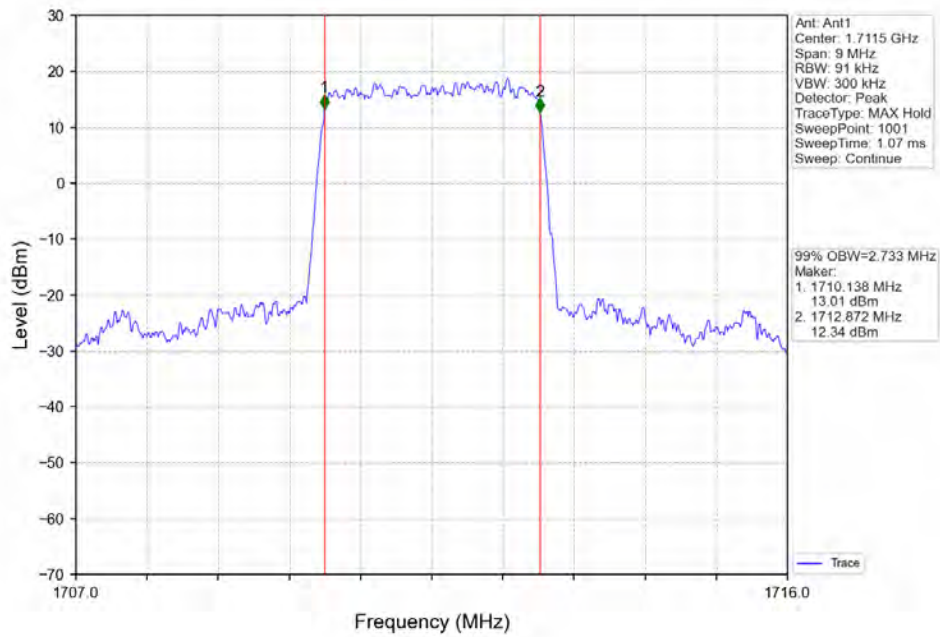


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

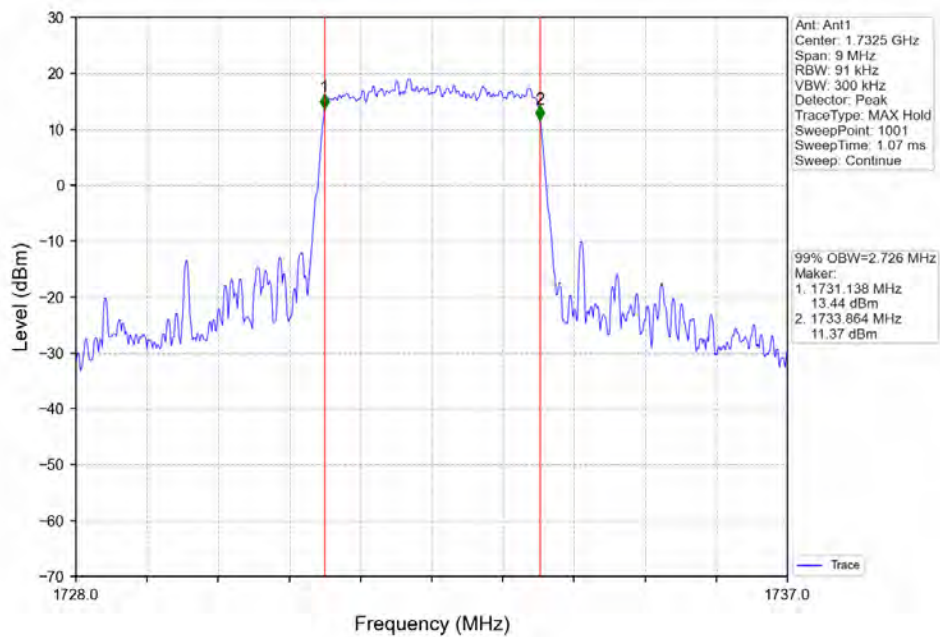




Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

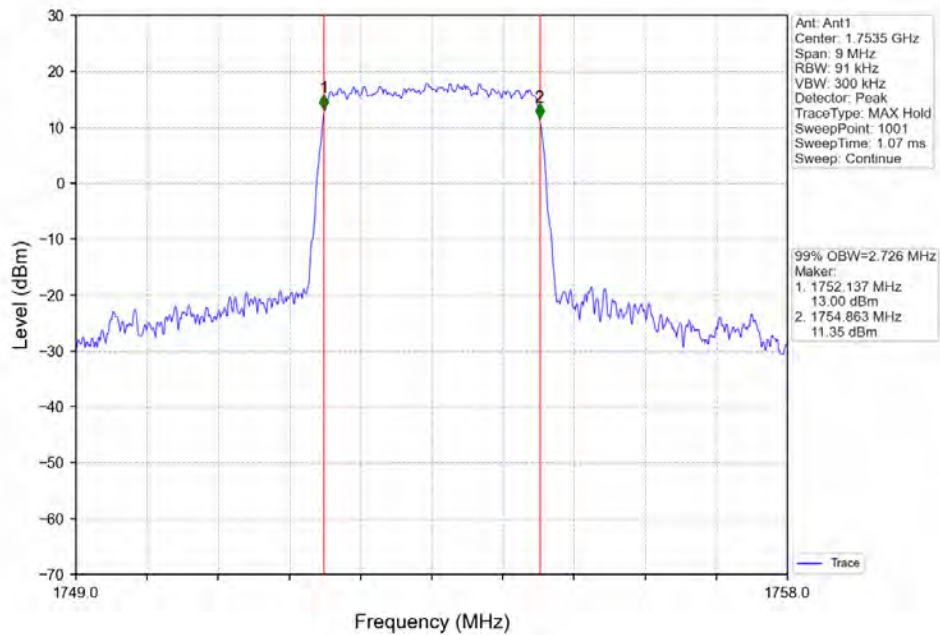


Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV

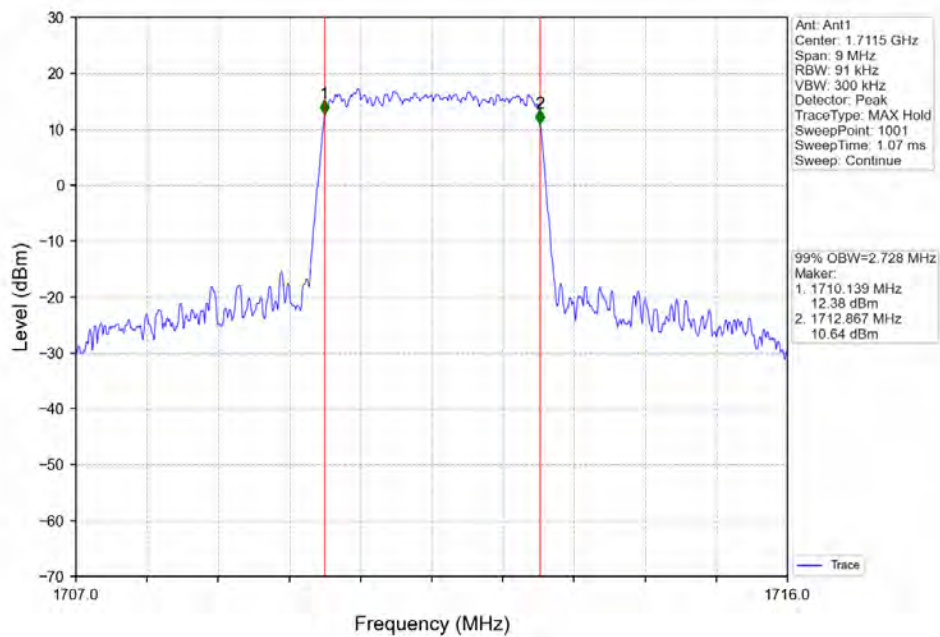




Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

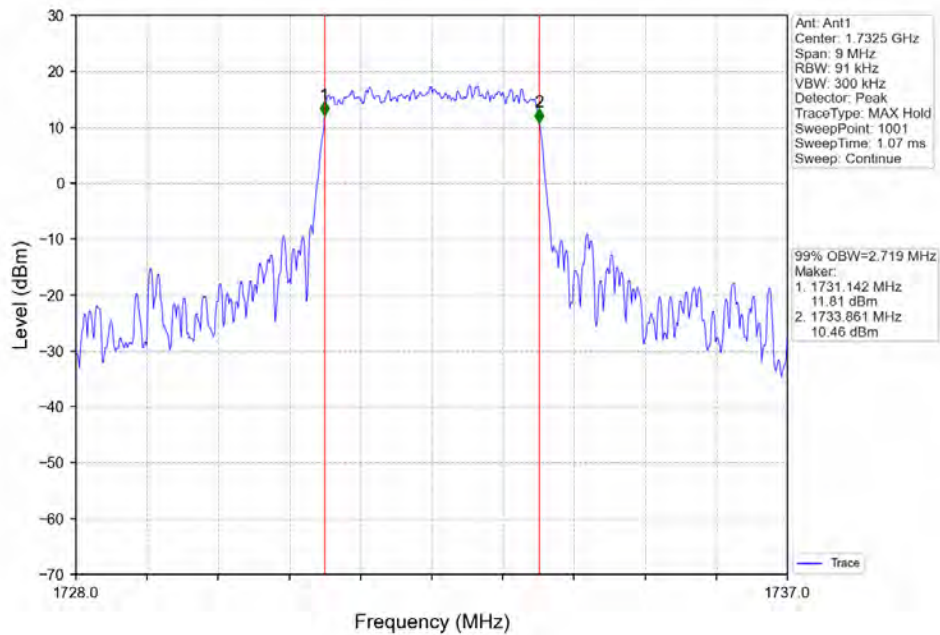


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV

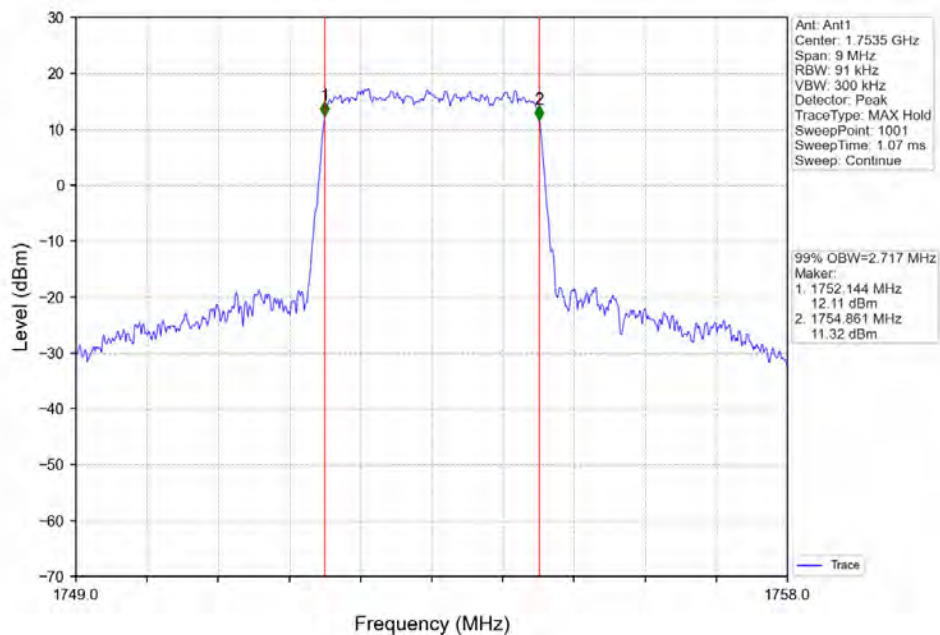




Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



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

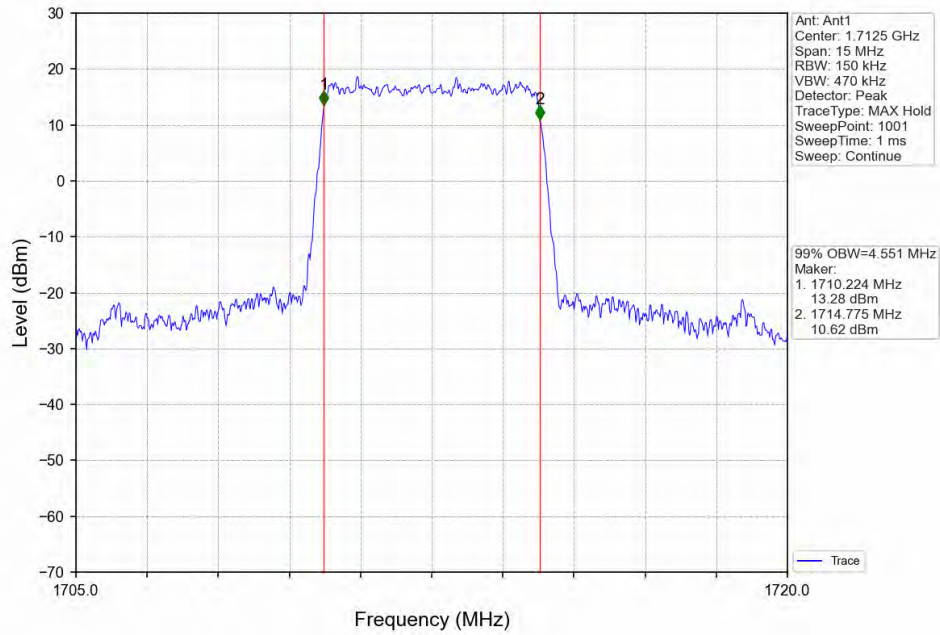




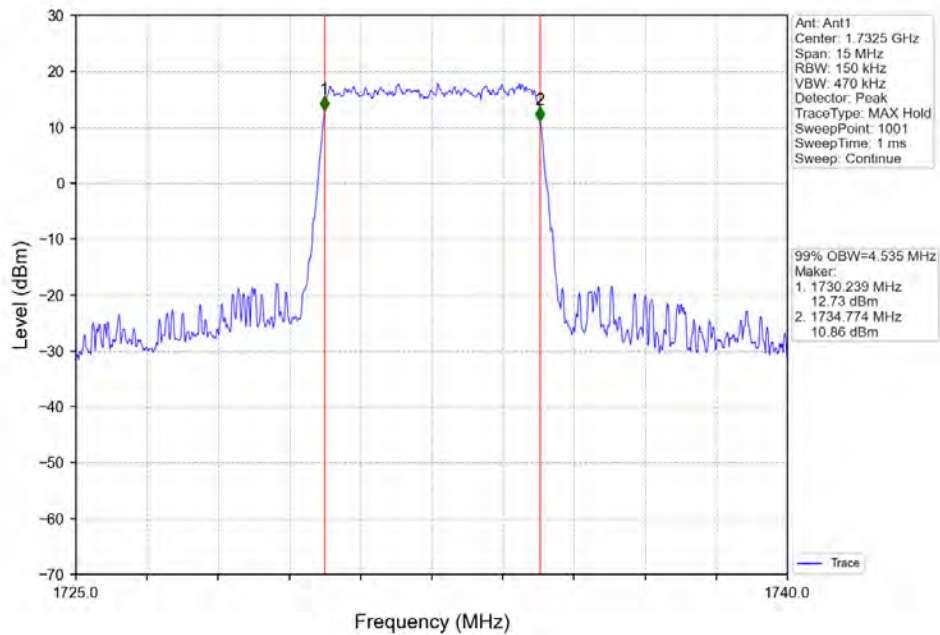
BUREAU
VERITAS

Test Report No.: W7L-P24050005RF06

Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

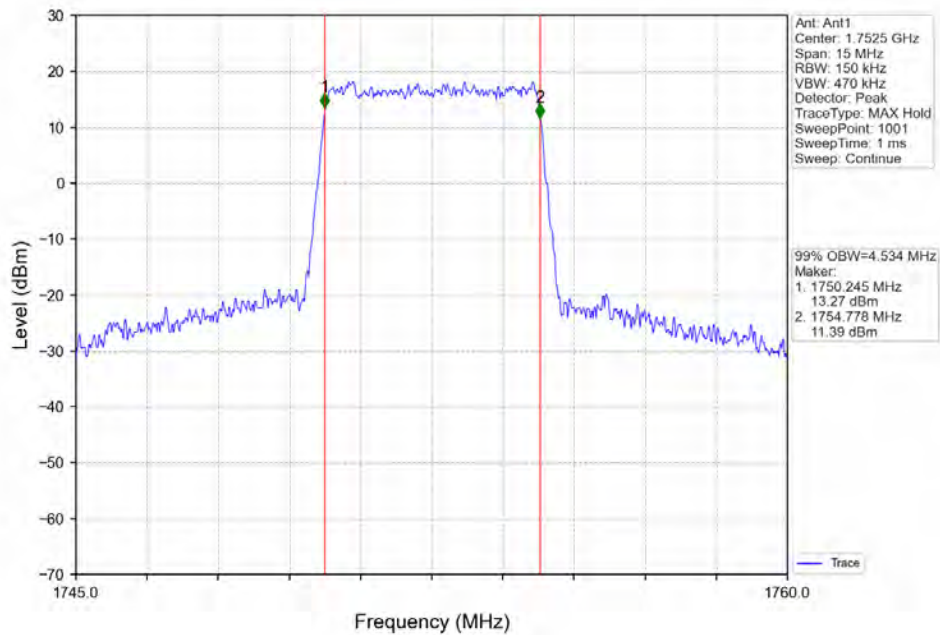


Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV

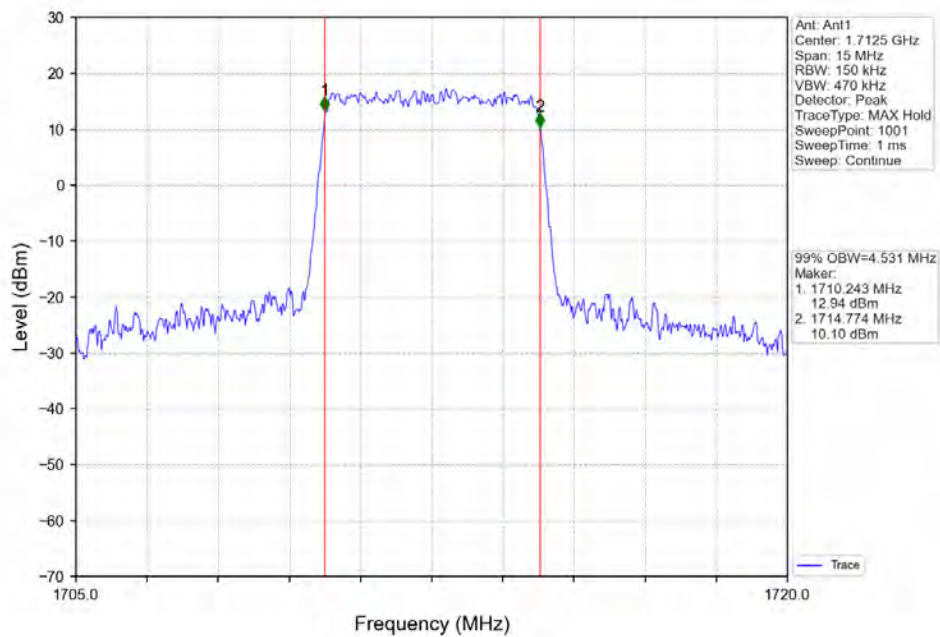




Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

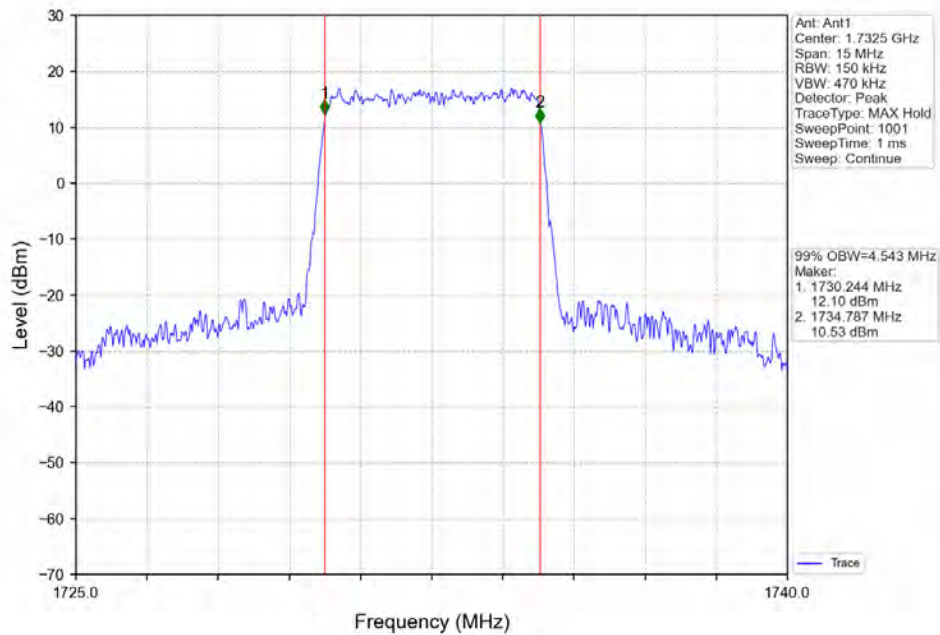


Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTV

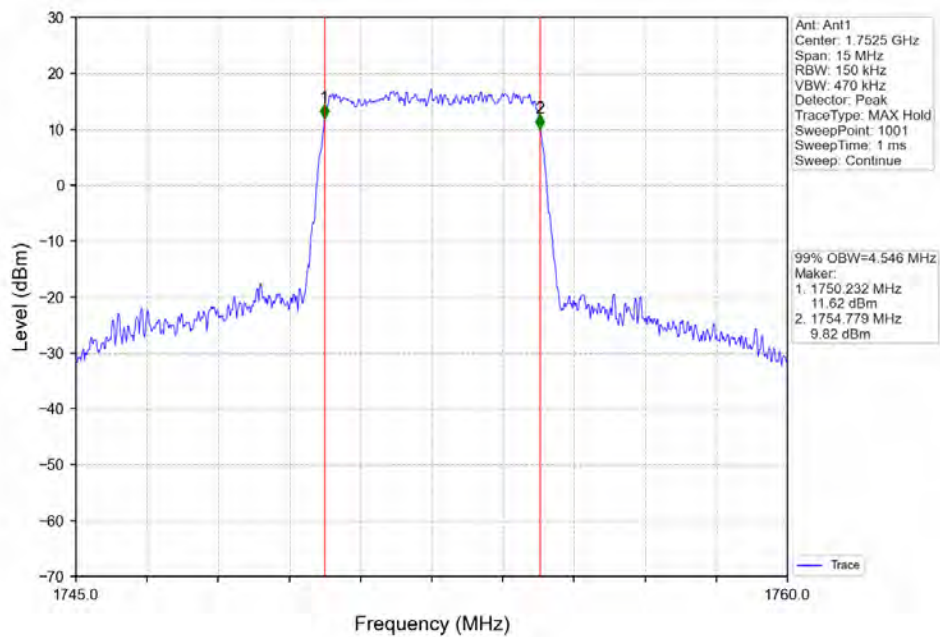




Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV

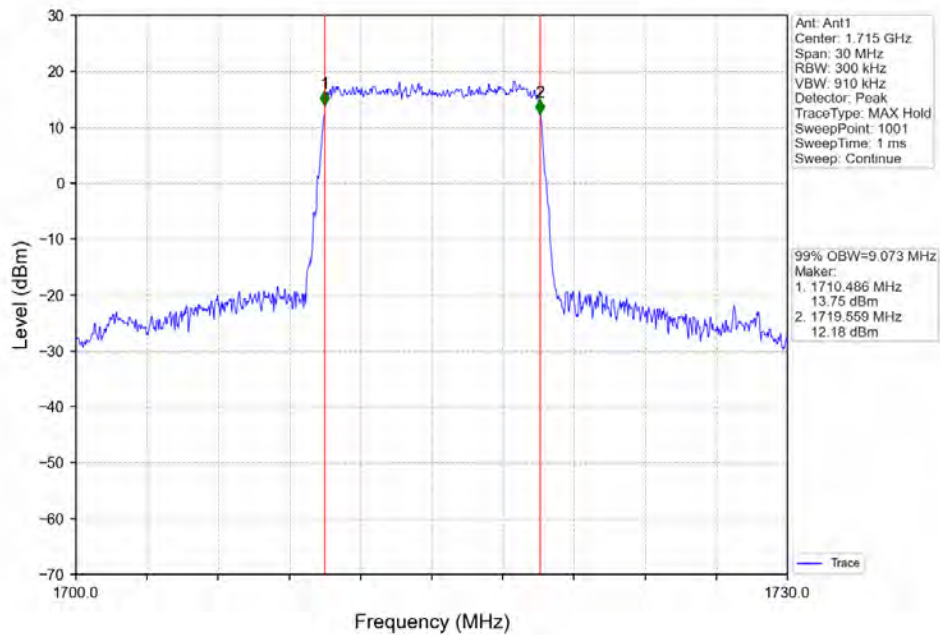


Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

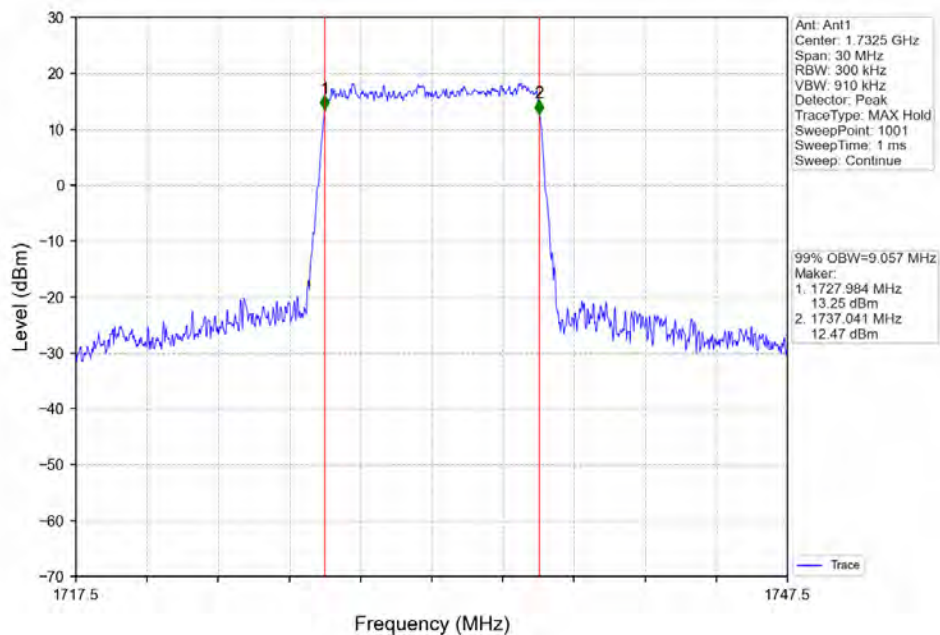




Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

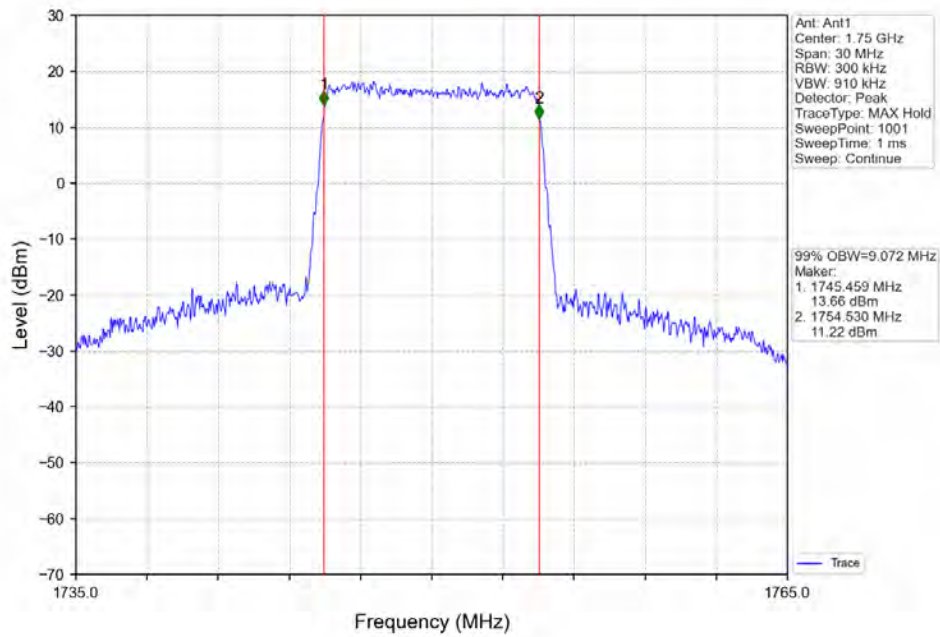


Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV

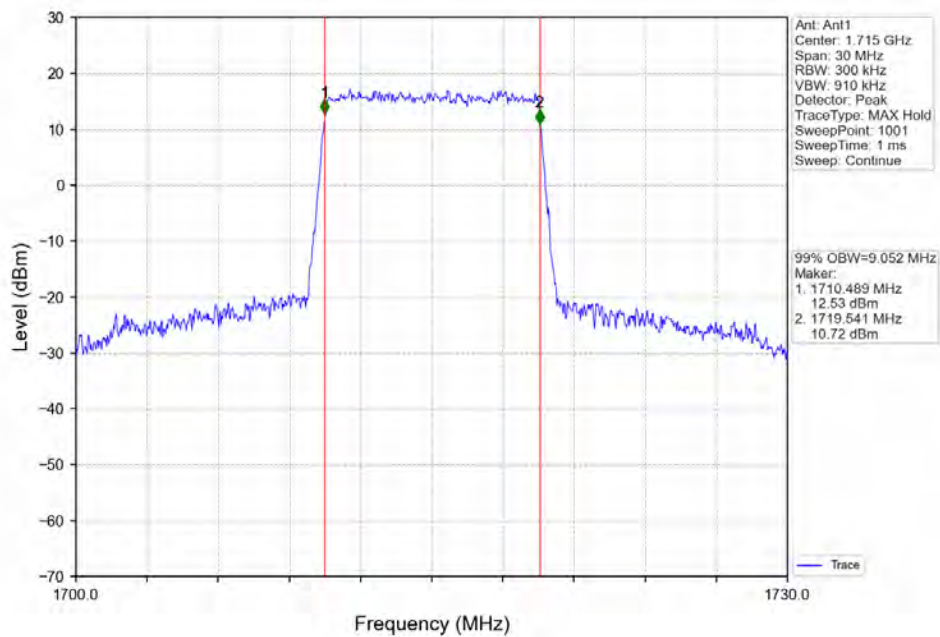




Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

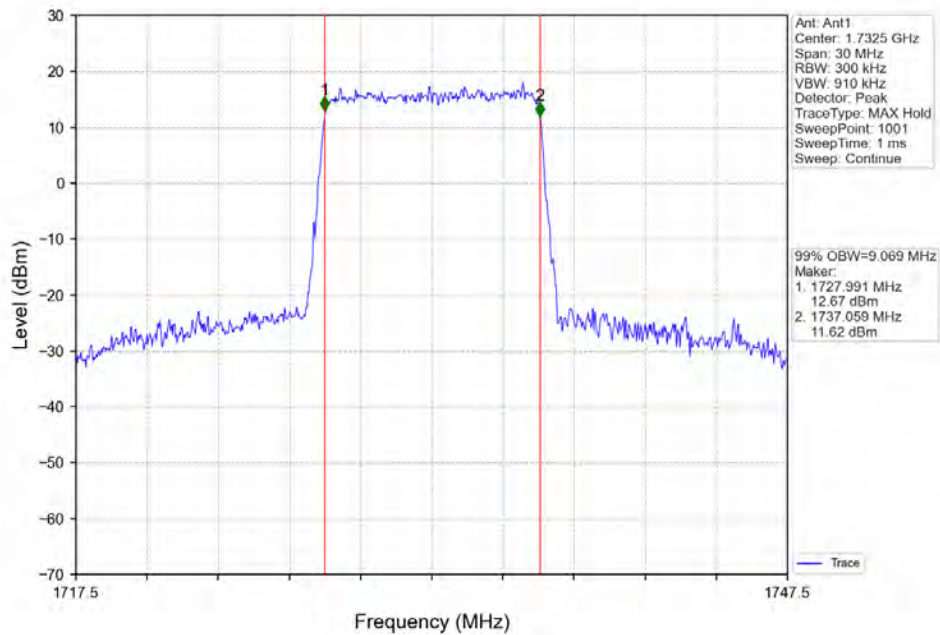


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

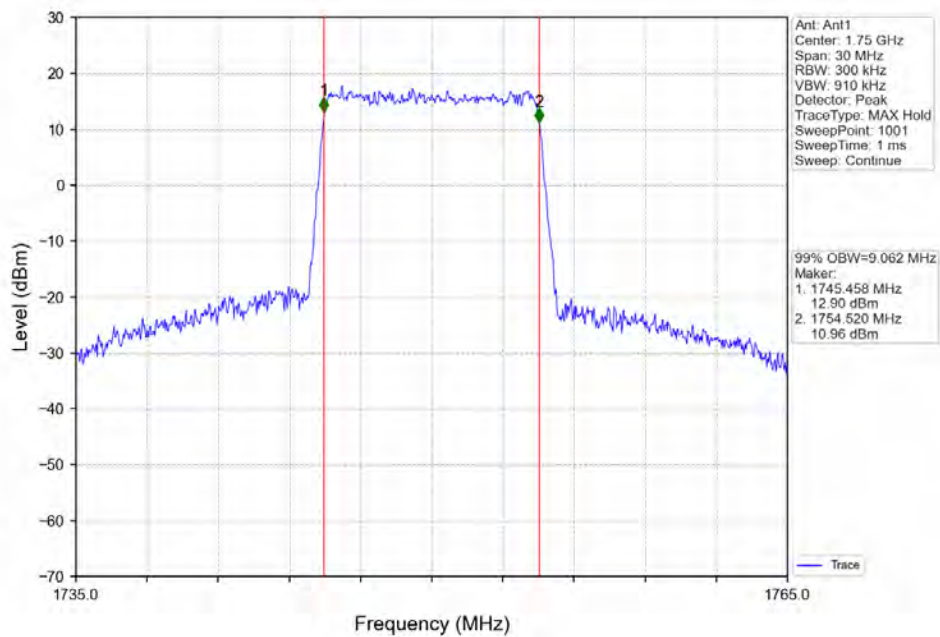




Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV

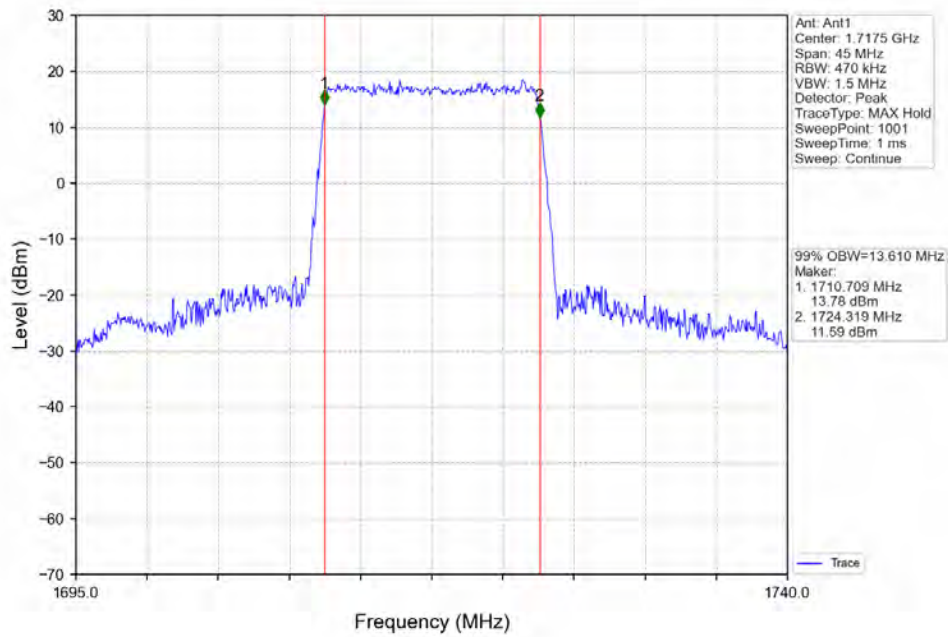


Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

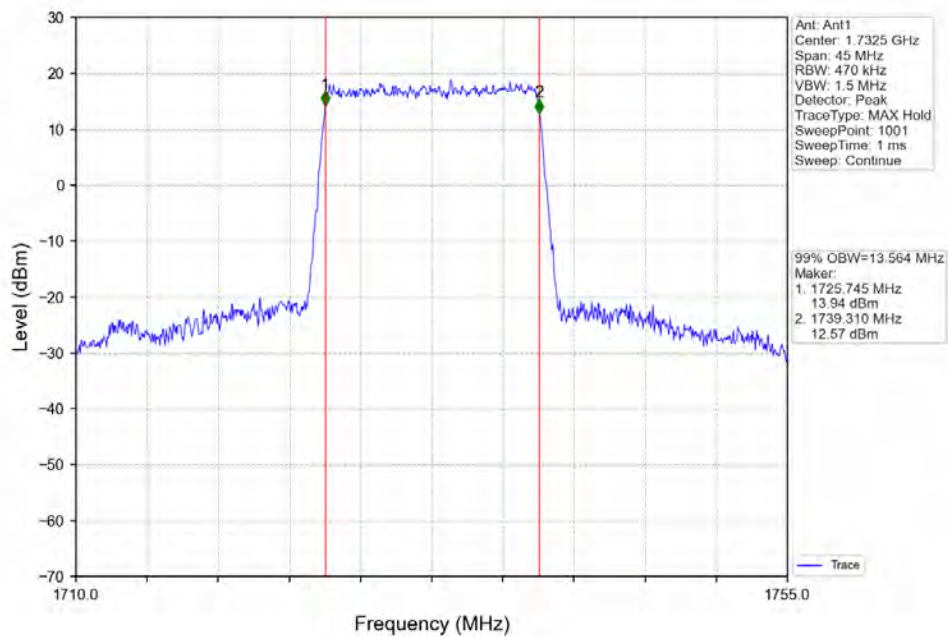




Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

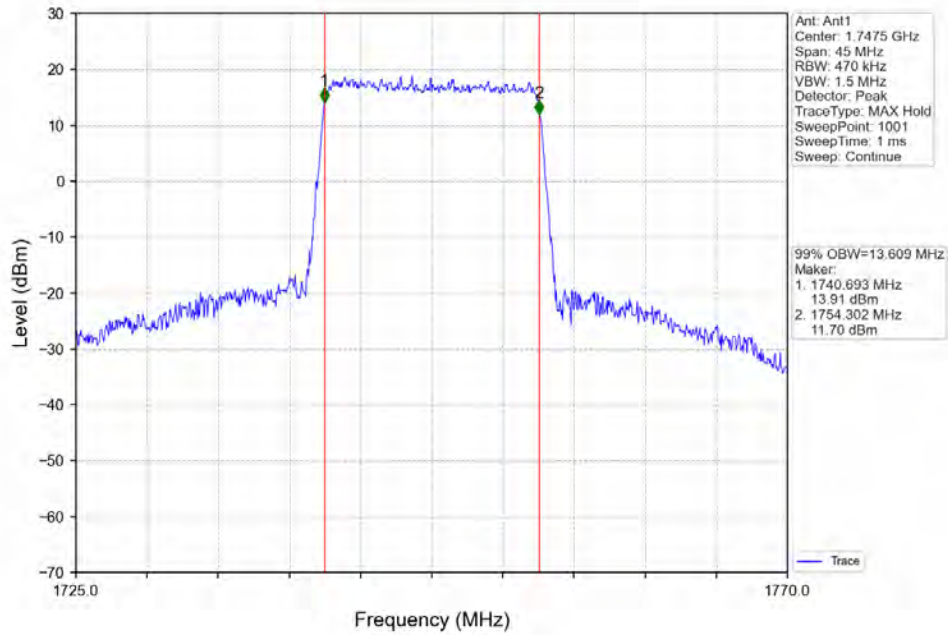


Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV

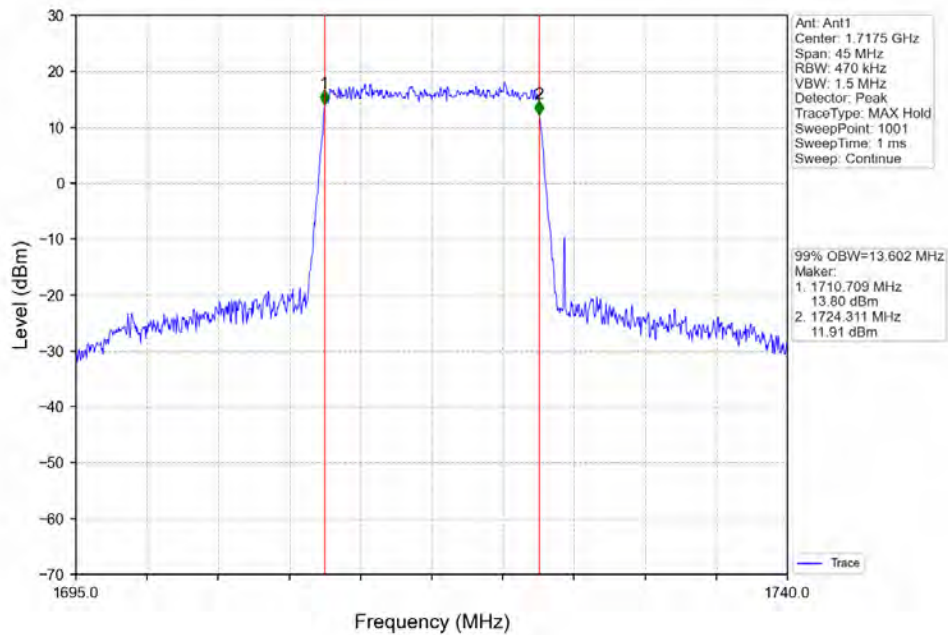




Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

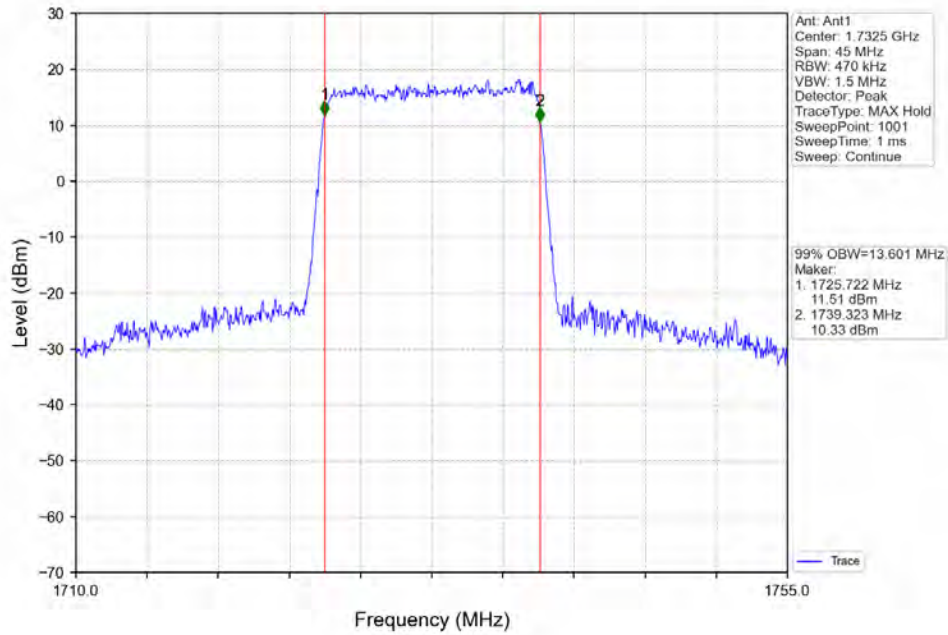


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

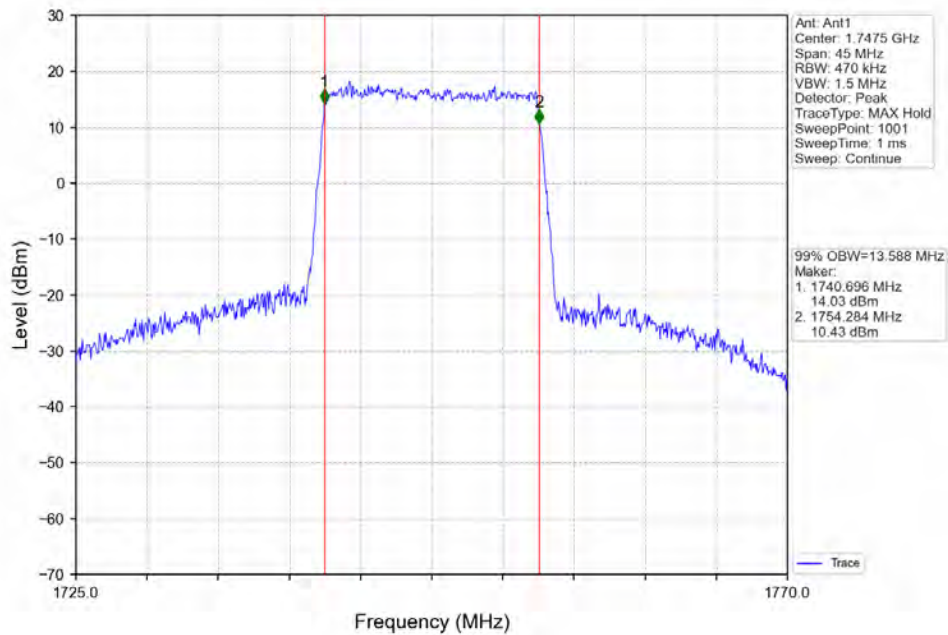




Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV

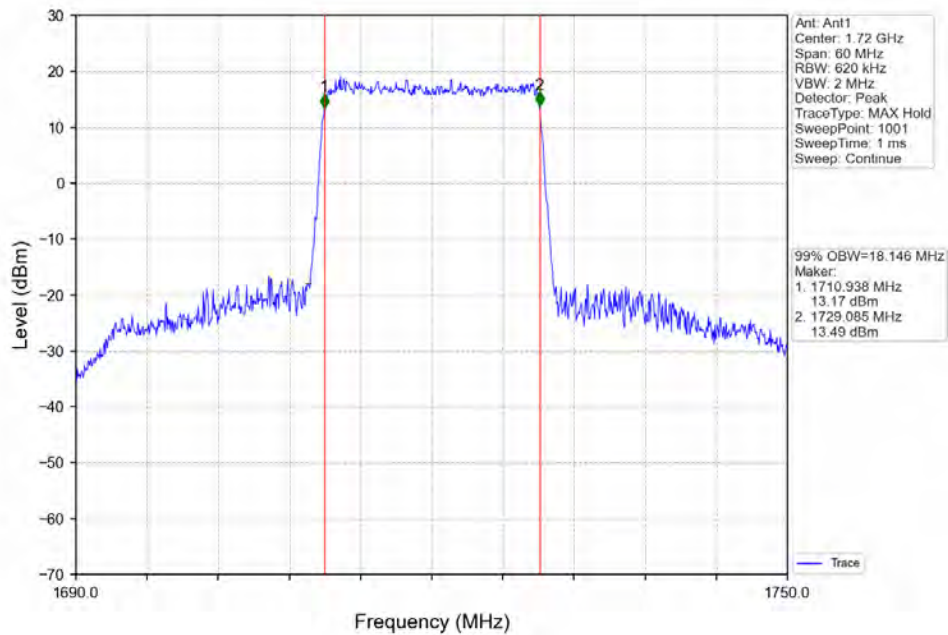


Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

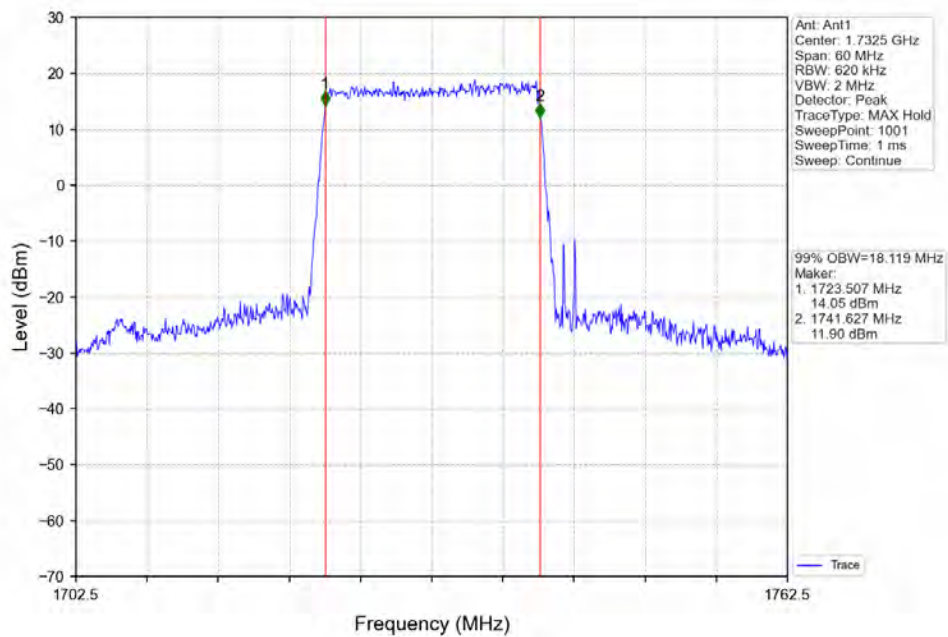




Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

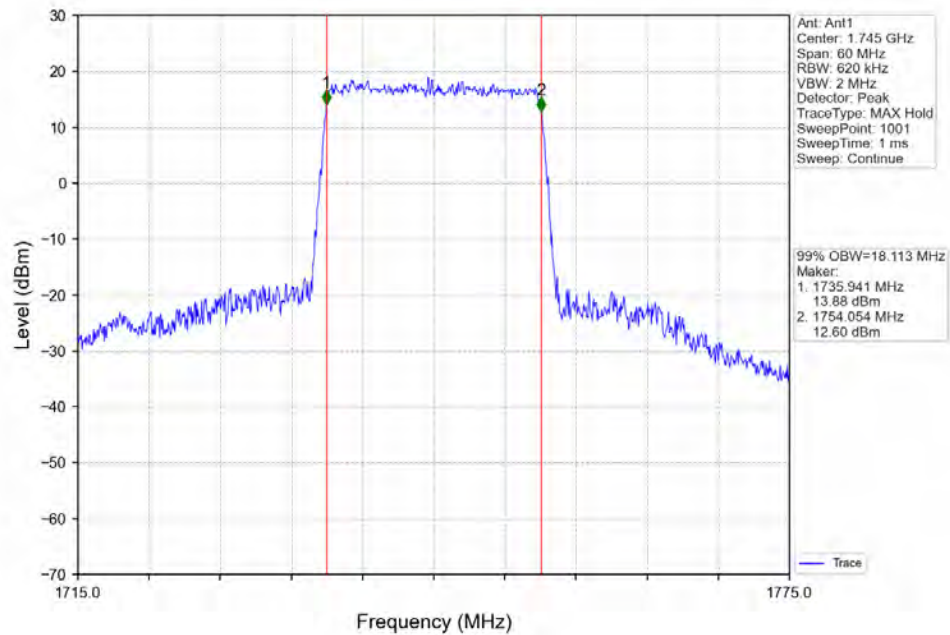


Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV

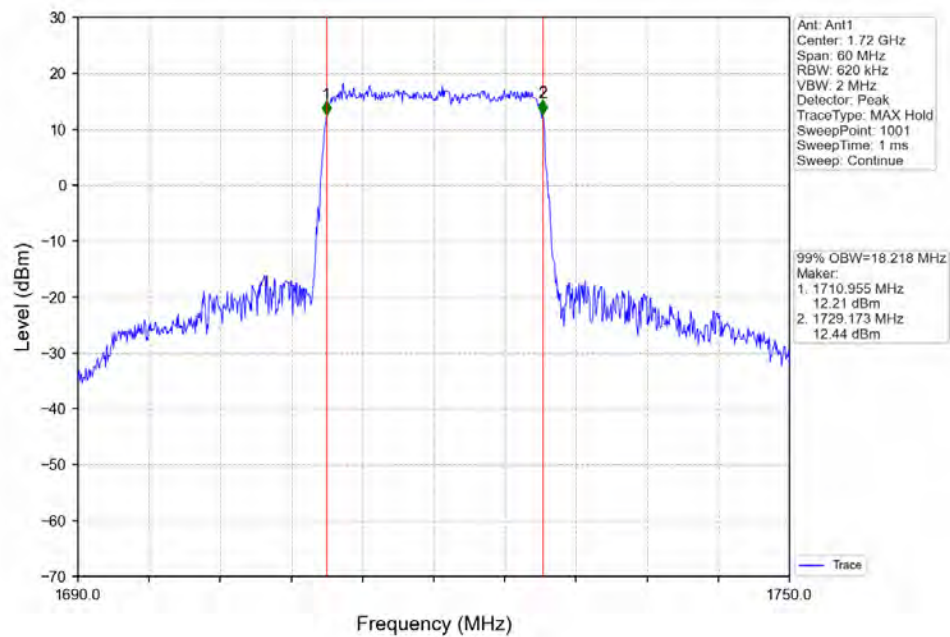




Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV

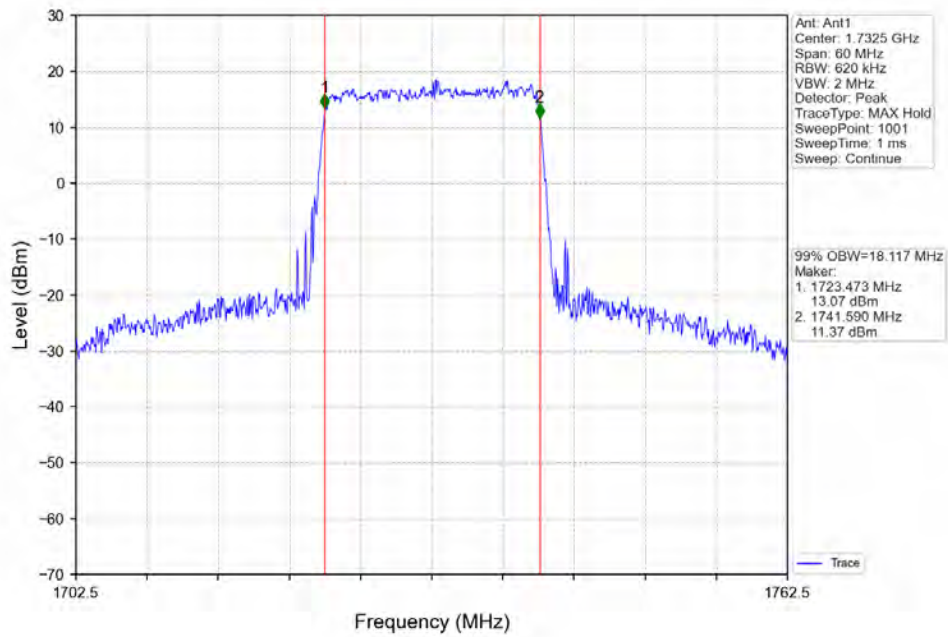


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

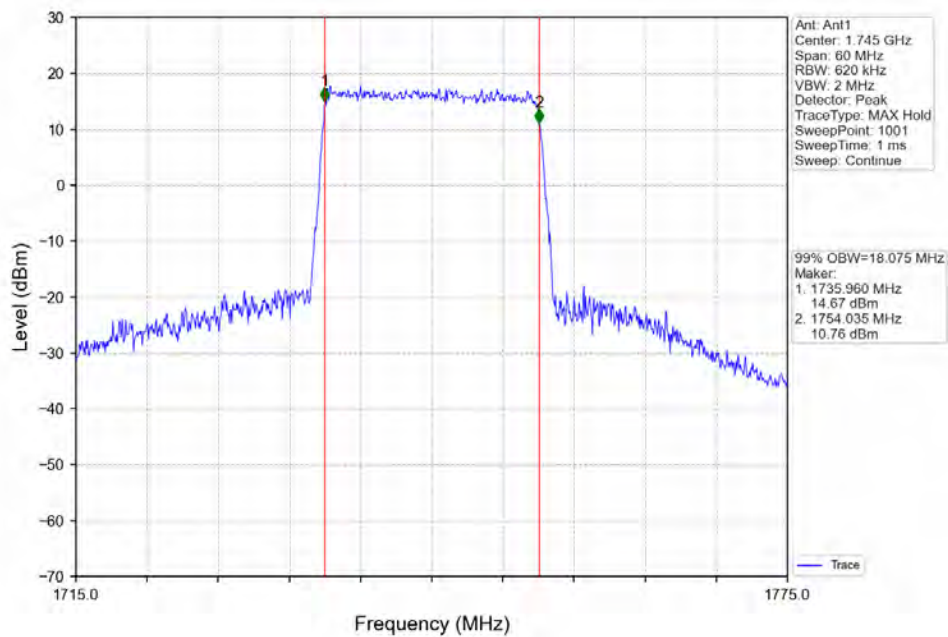




Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



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





2.3. LTE_Band12_OBW

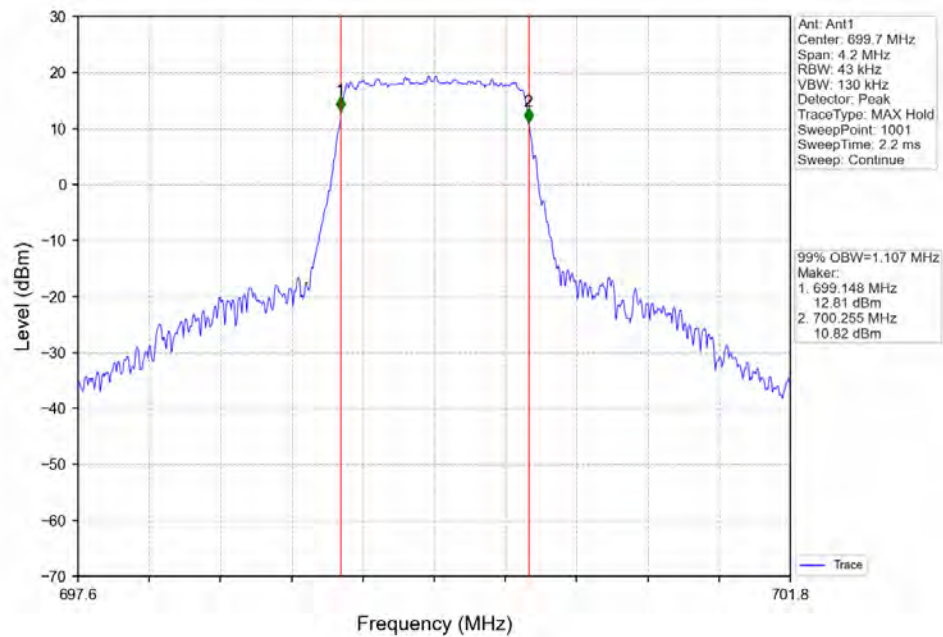
2.3.1. Test Result

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

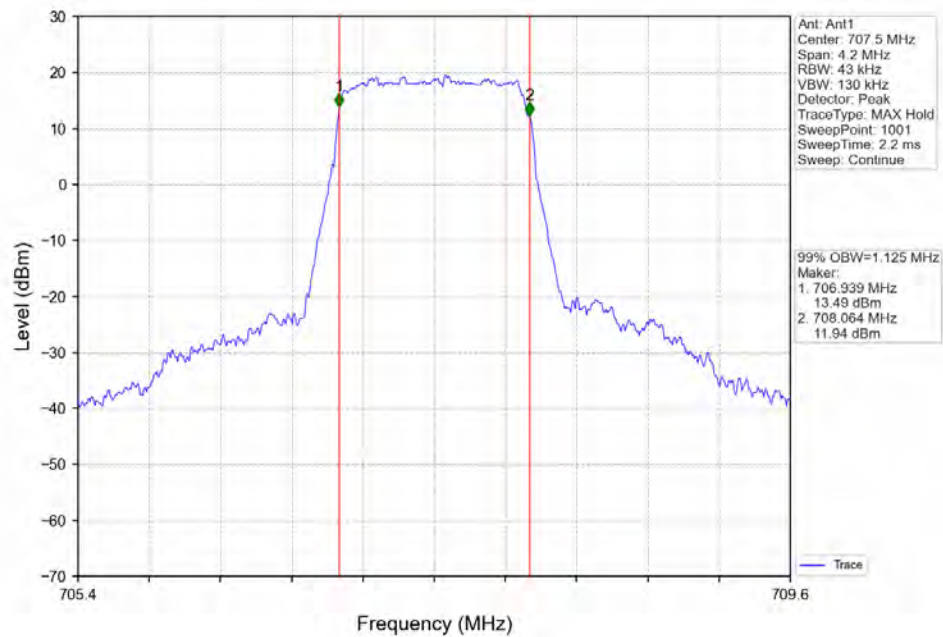


2.3.2. Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

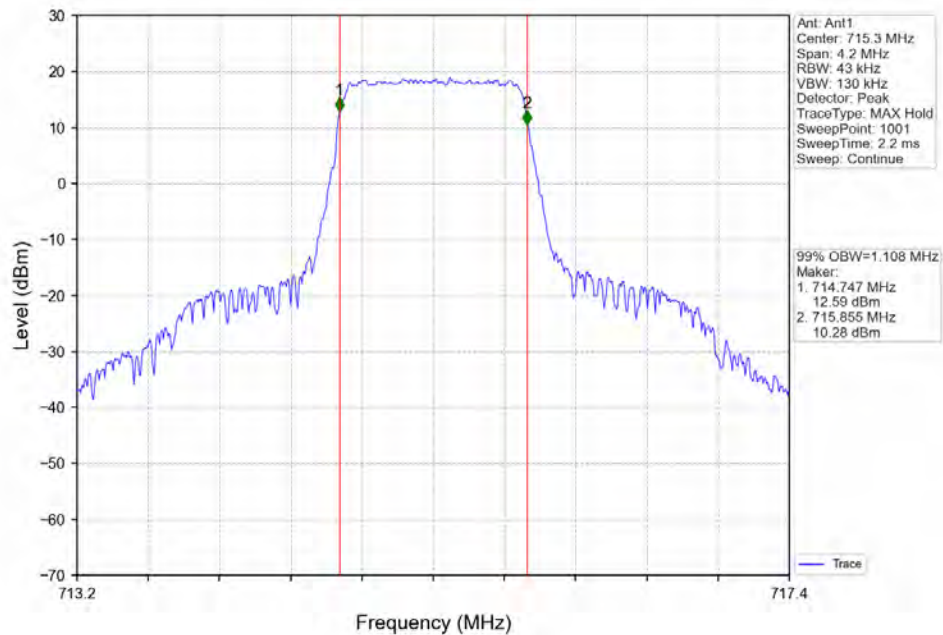


Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

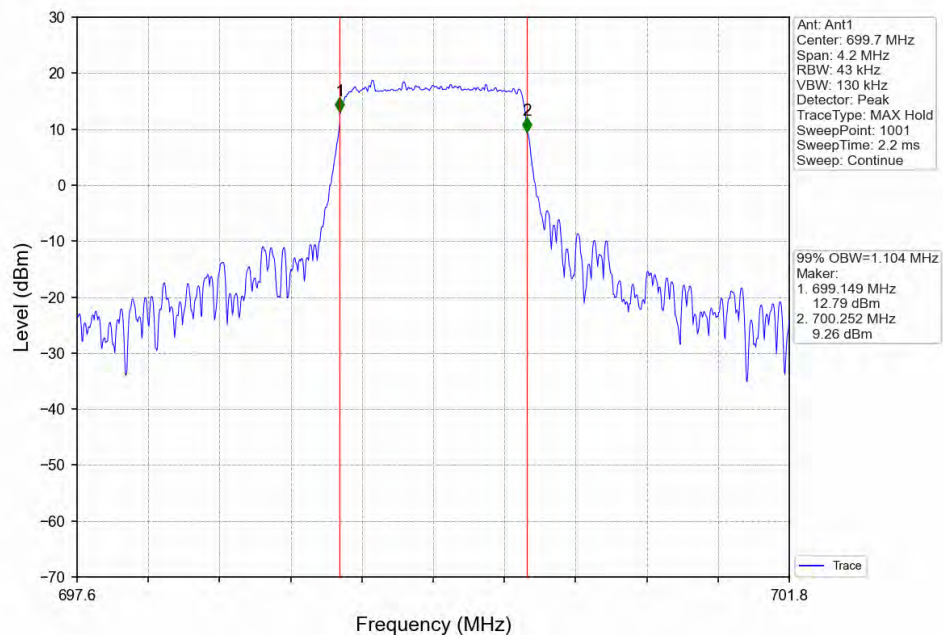




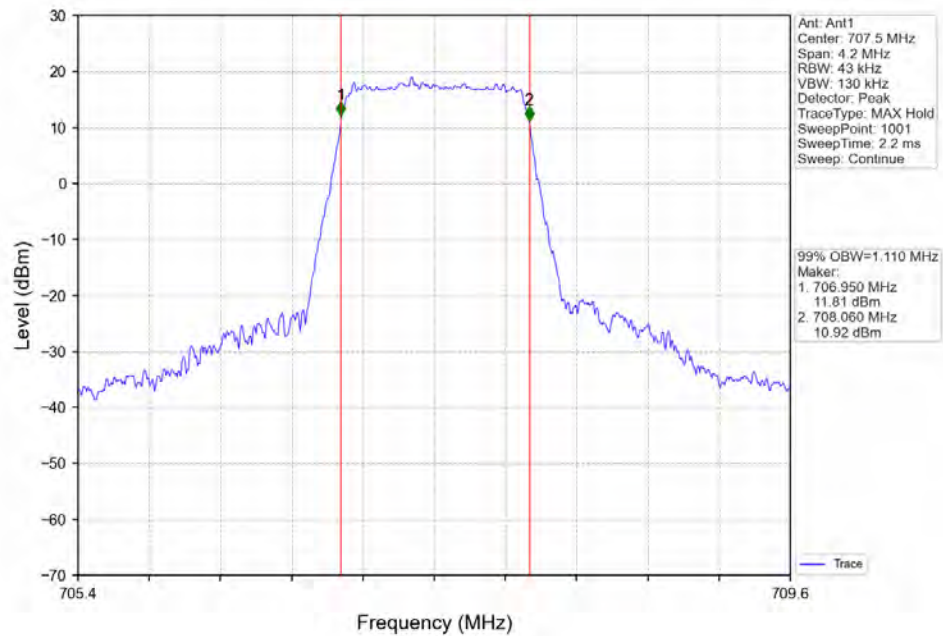
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



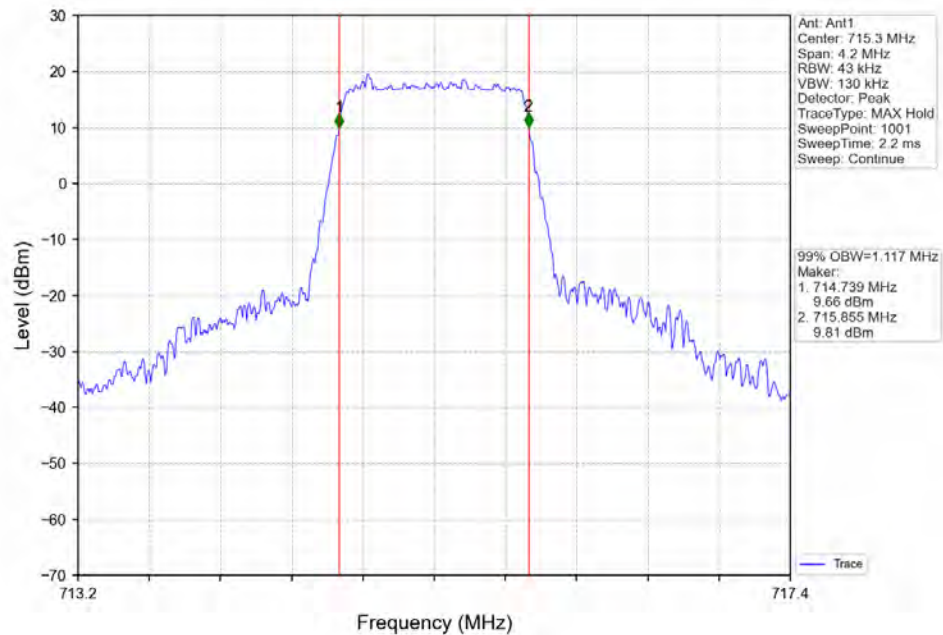
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



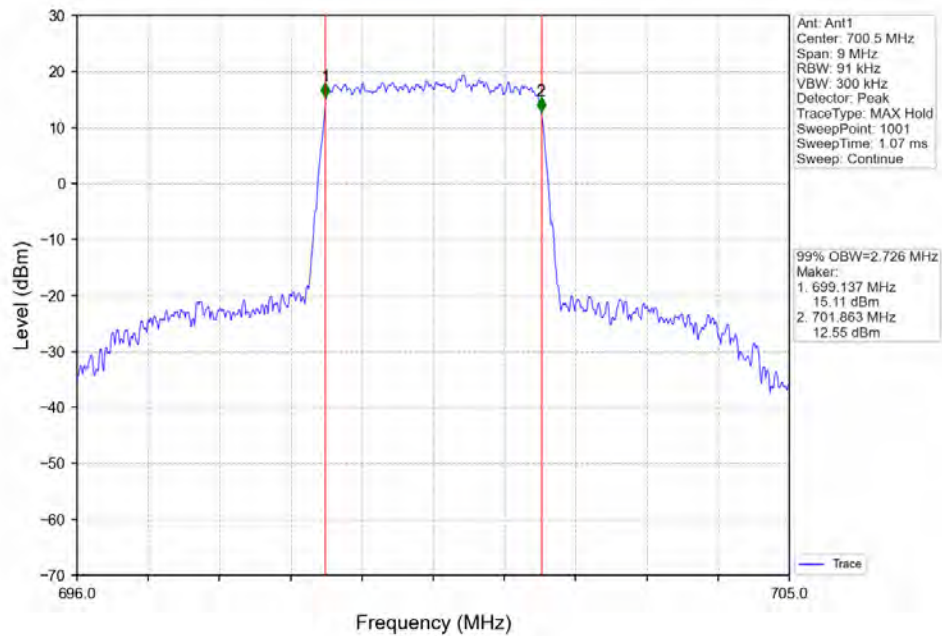
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



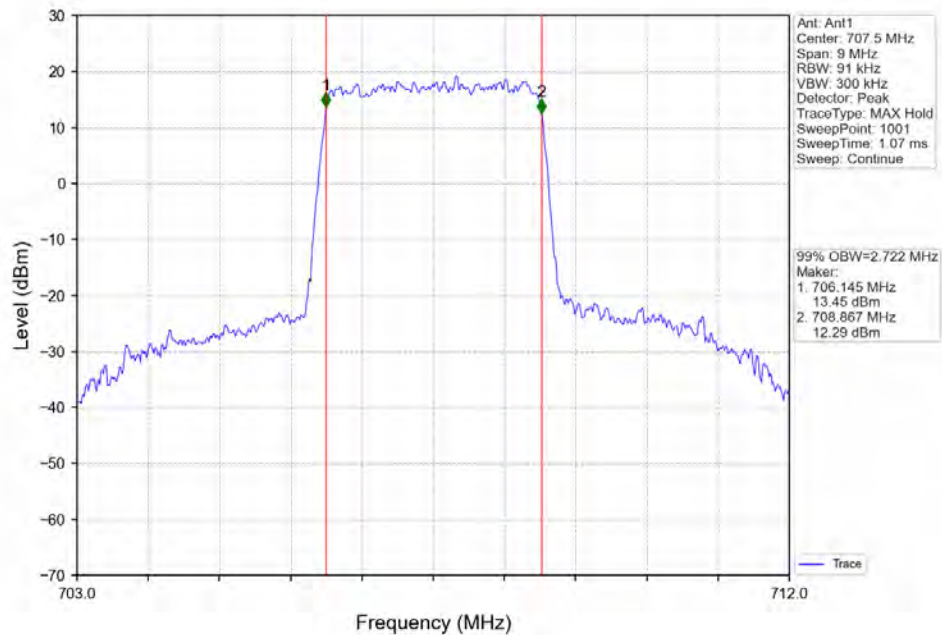
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



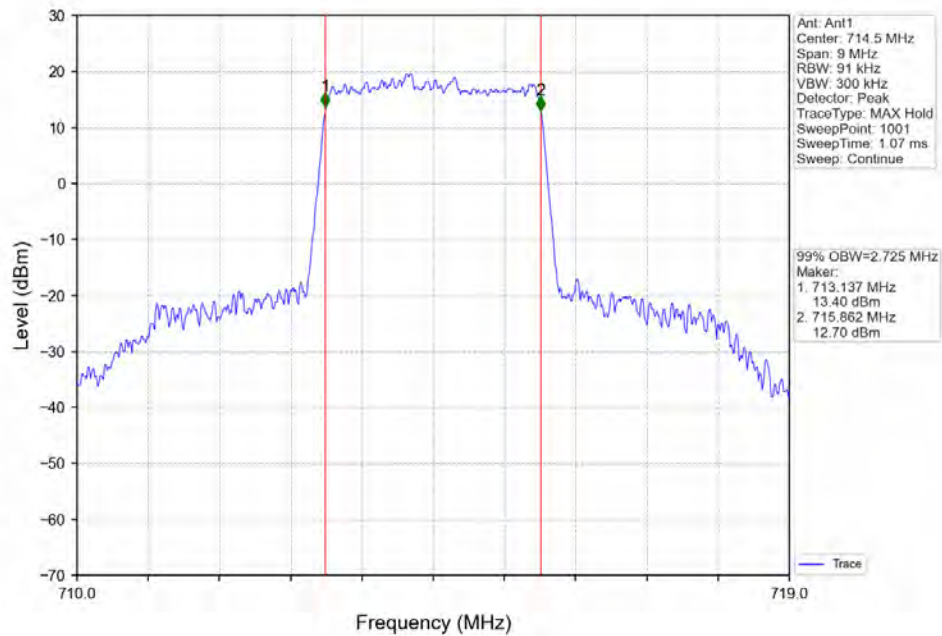
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



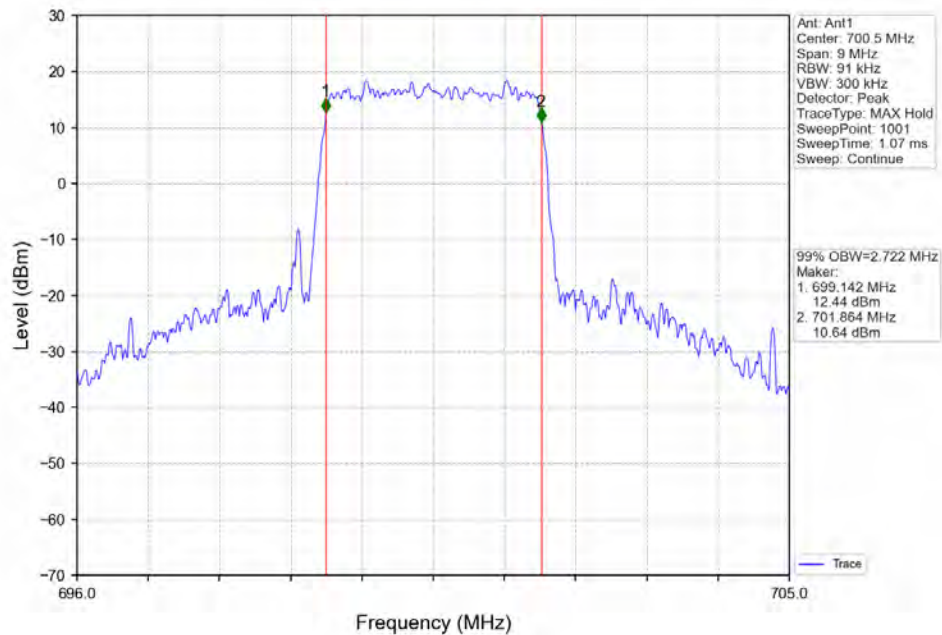
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



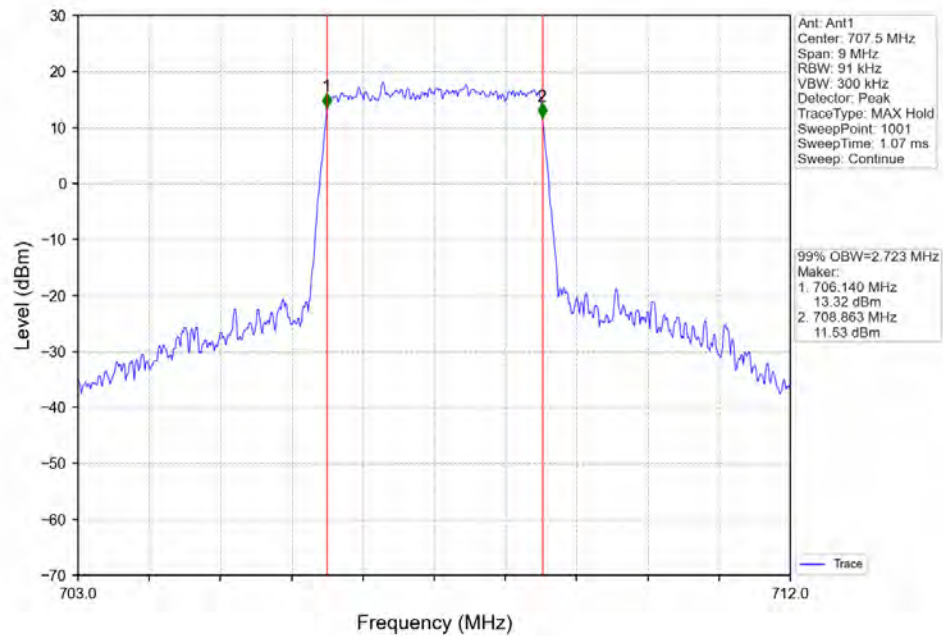
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



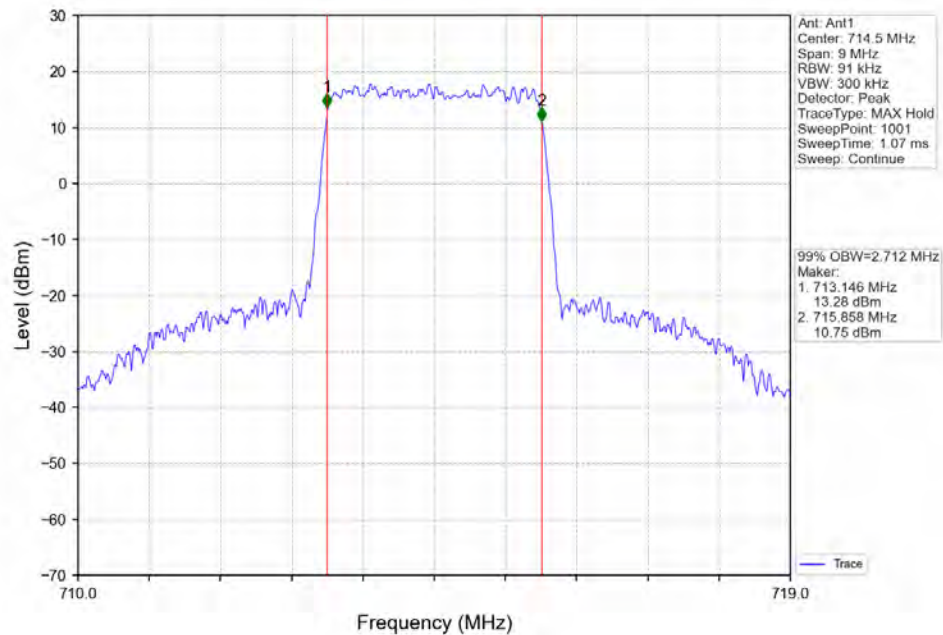
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

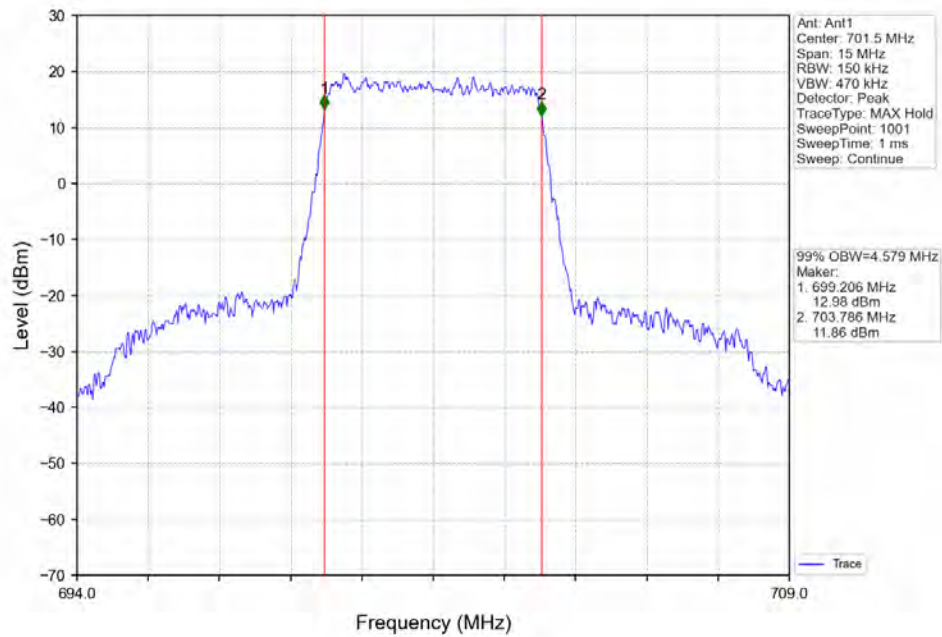


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

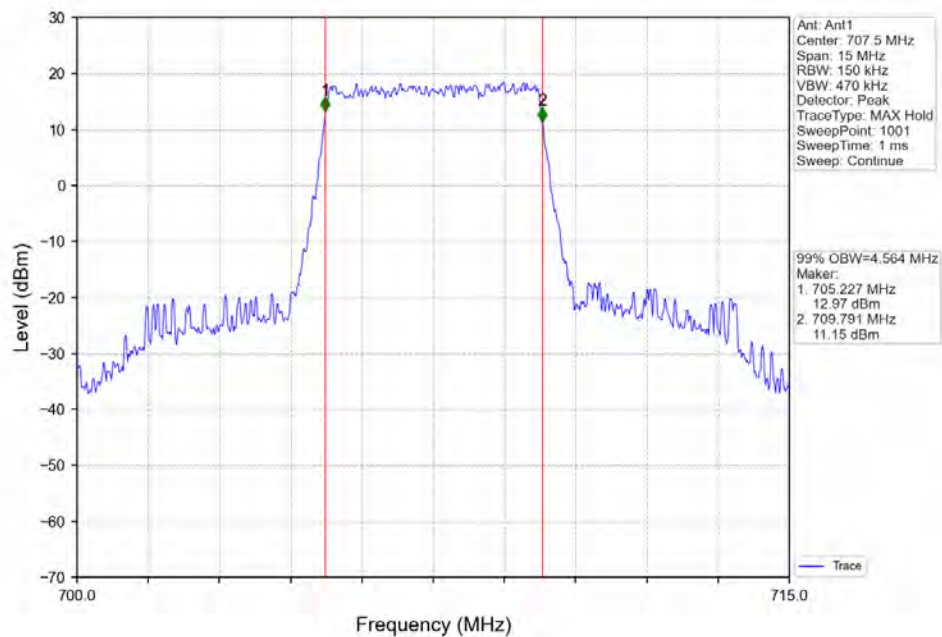




Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

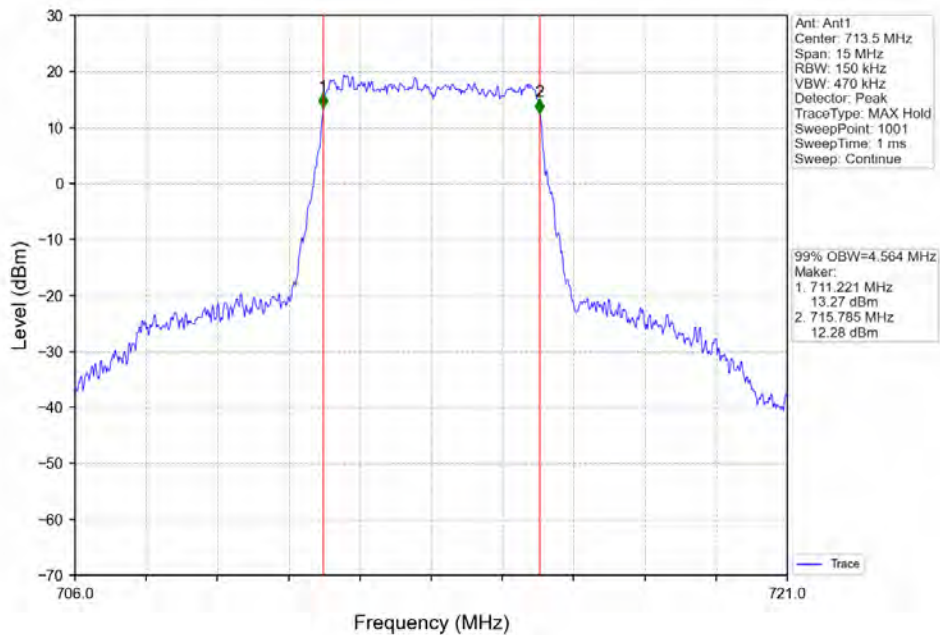


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

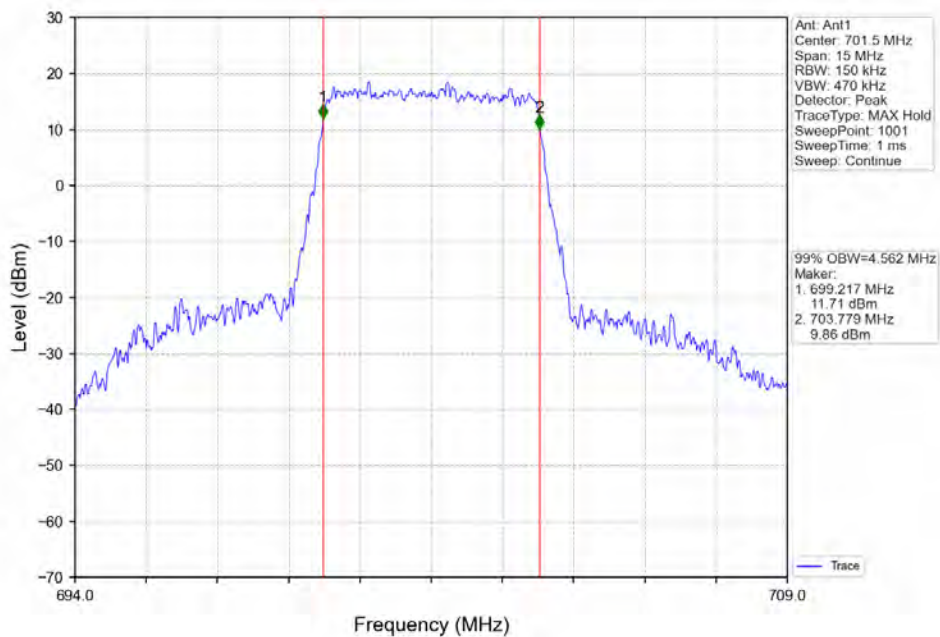




Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



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

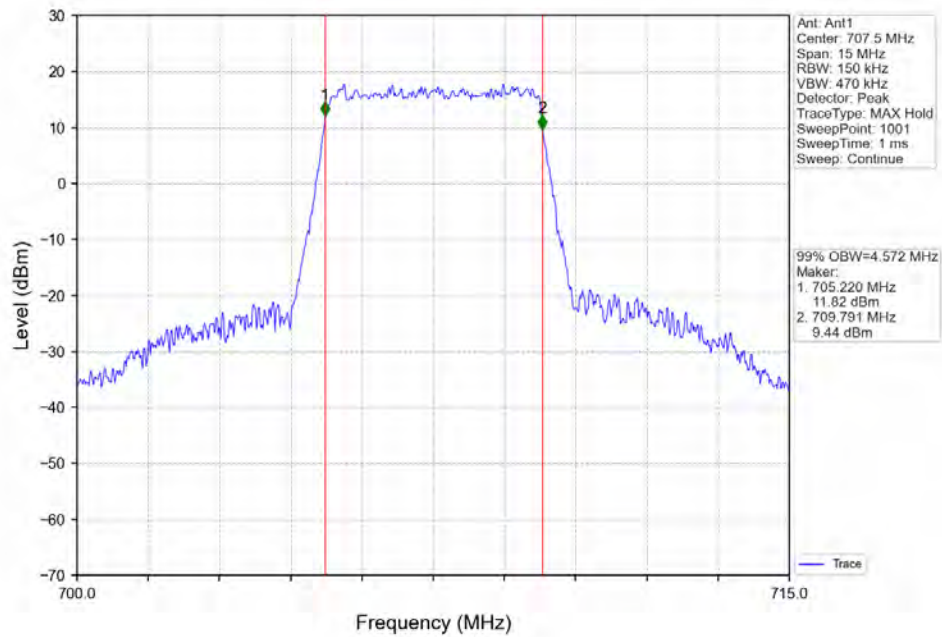




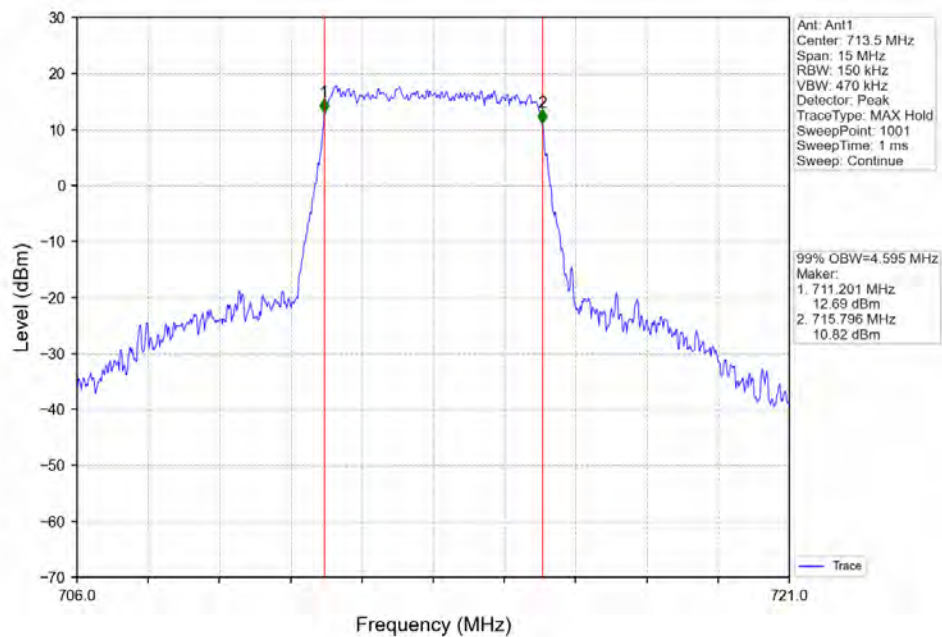
BUREAU
VERITAS

Test Report No.: W7L-P24050005RF06

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

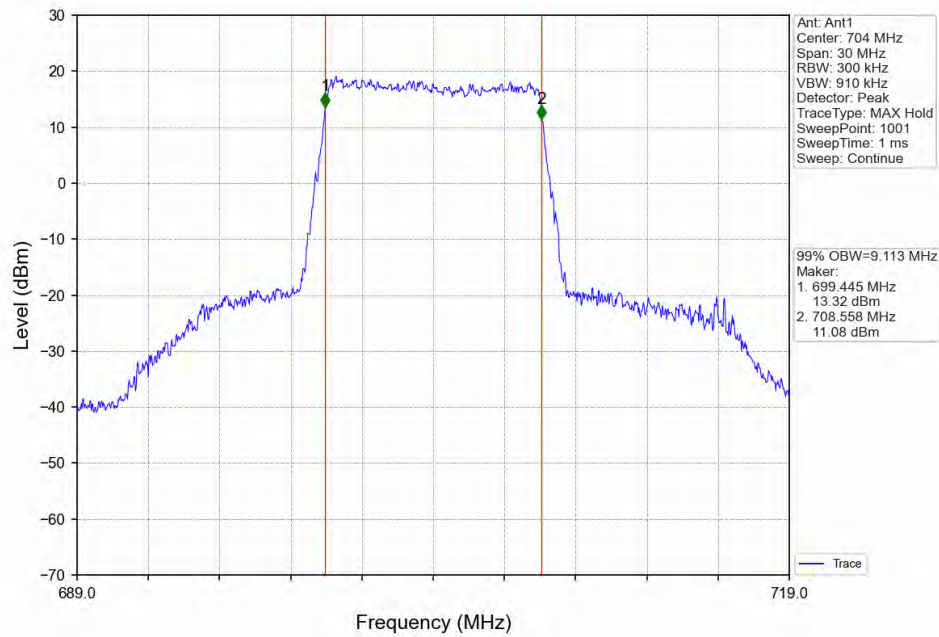


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

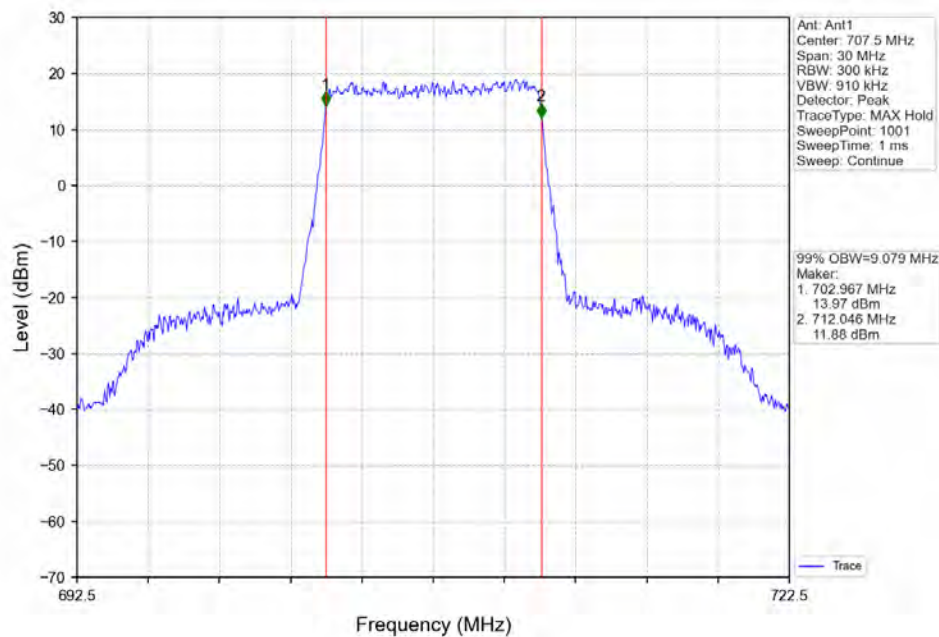




Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN

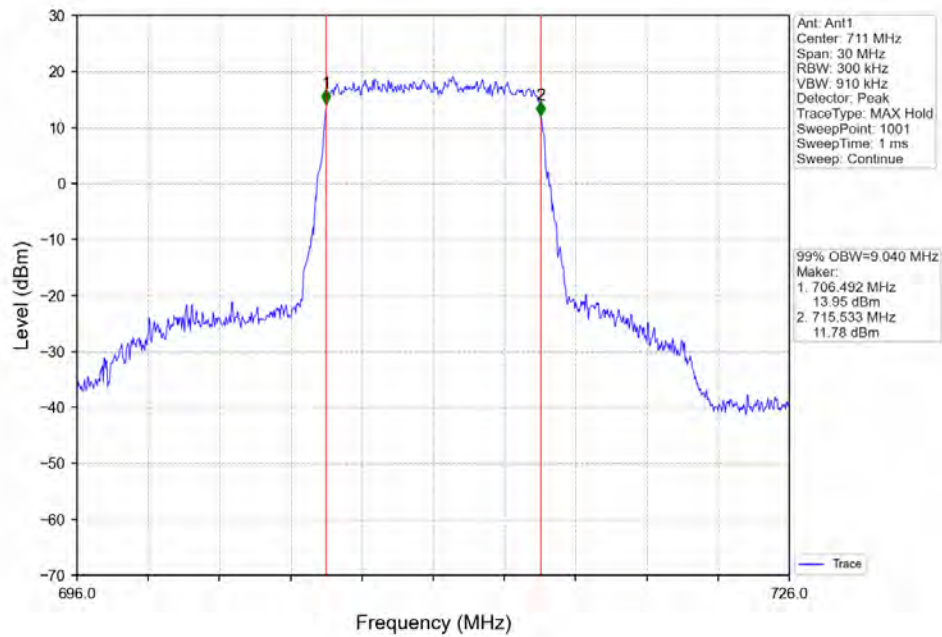


Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN

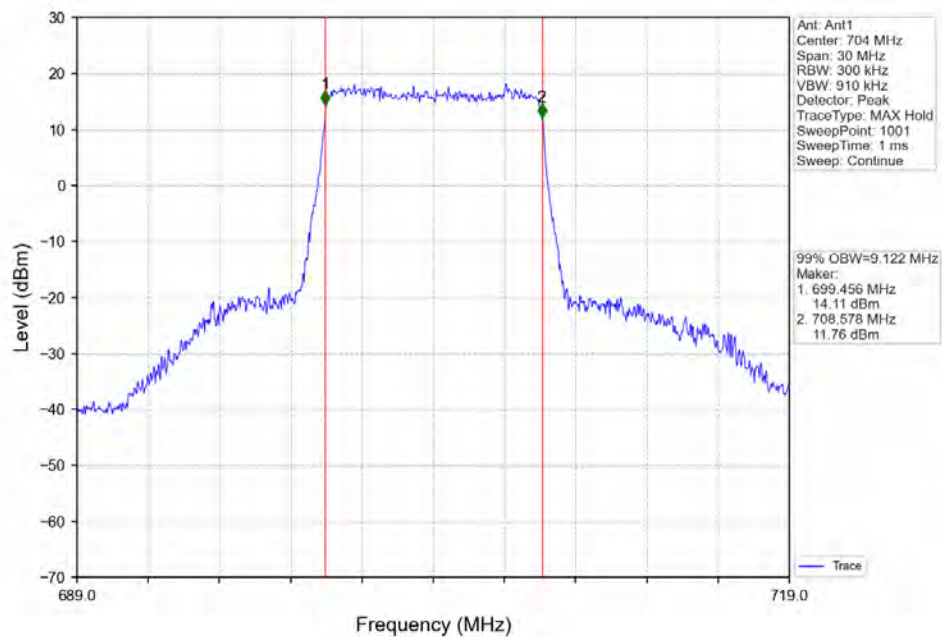




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

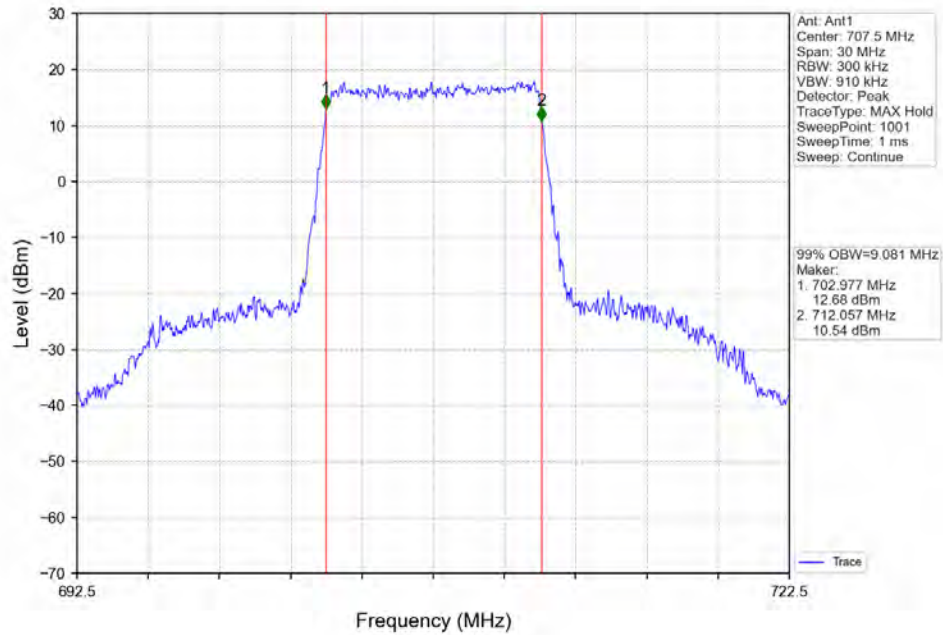


Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

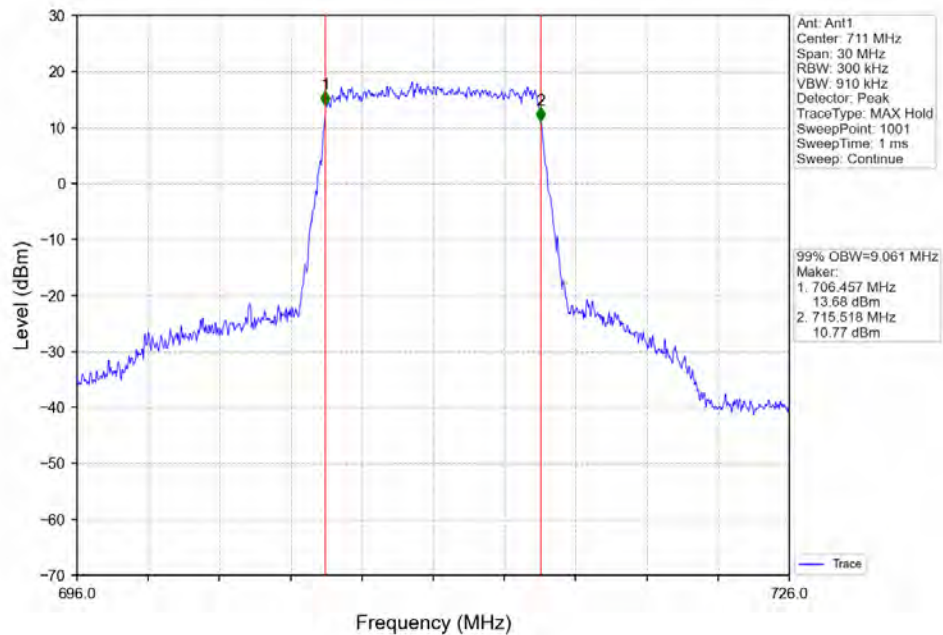




Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV





2.4. LTE_Band13_OBW

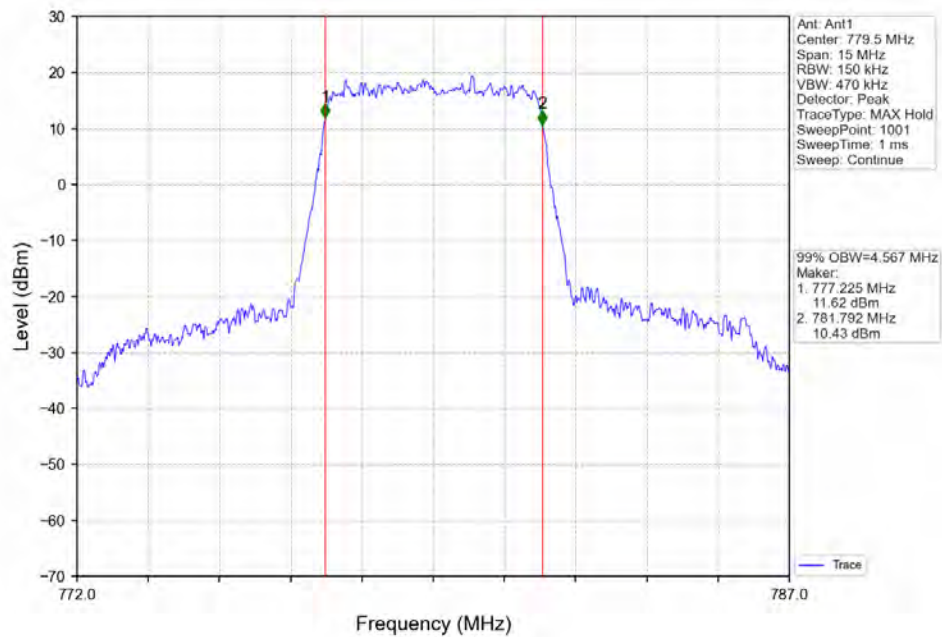
2.4.1. Test Result

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

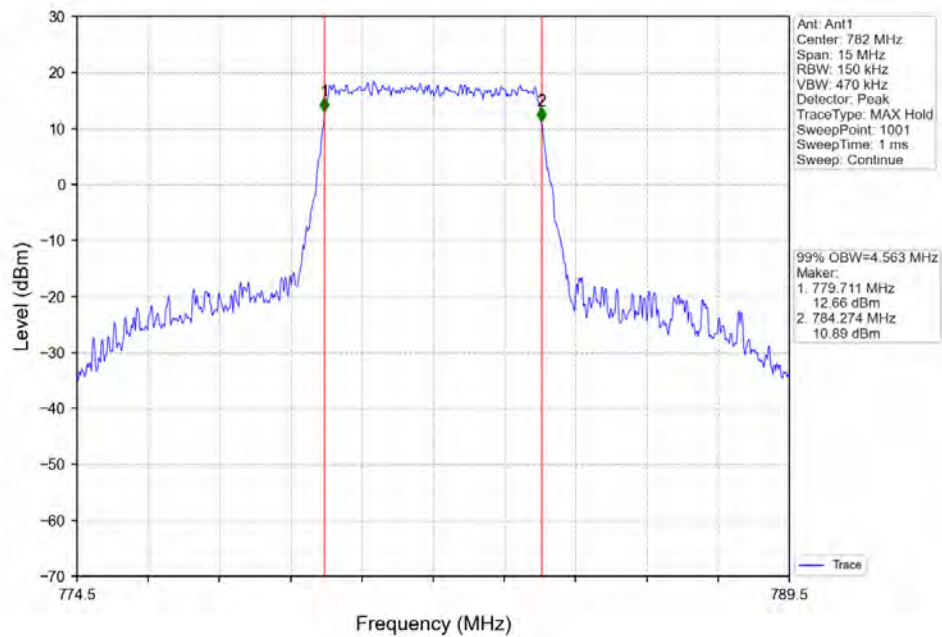


2.4.2. Test Graph

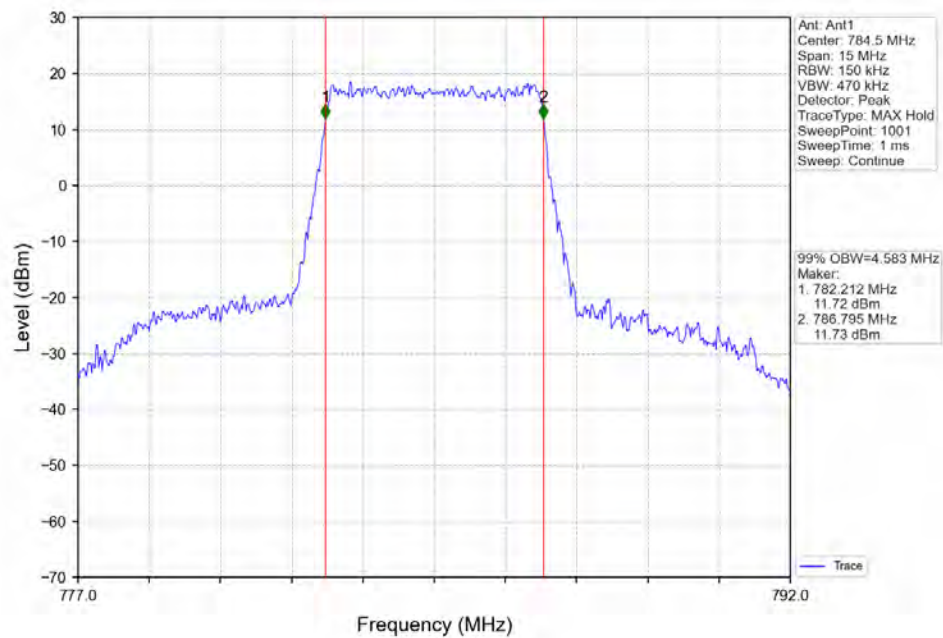
Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



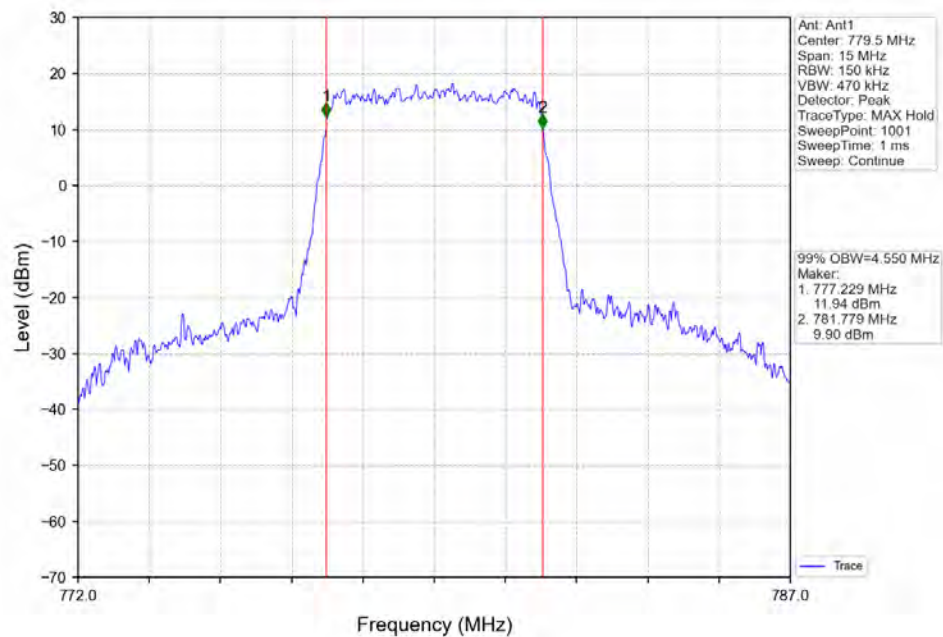
Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV

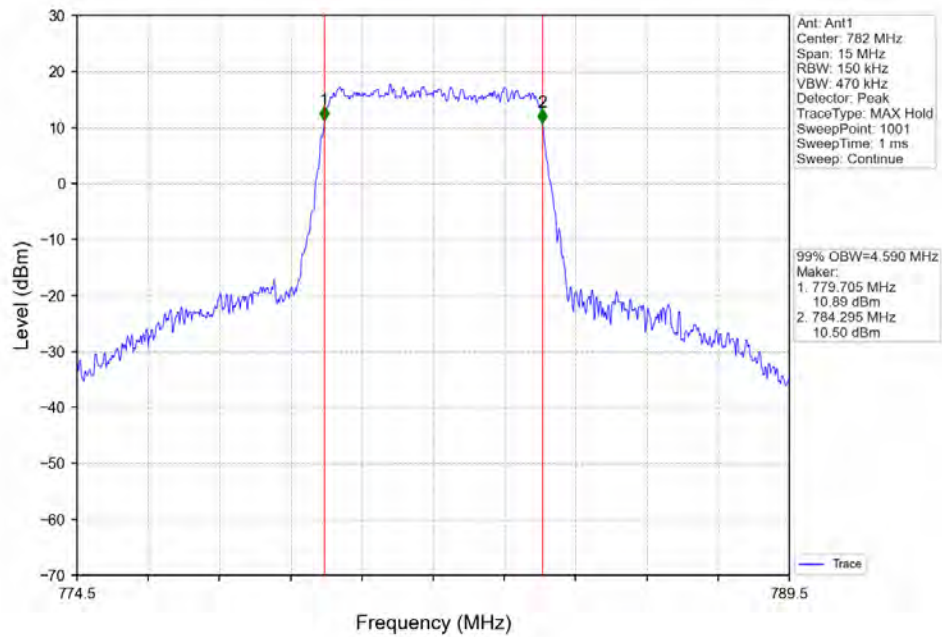


Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

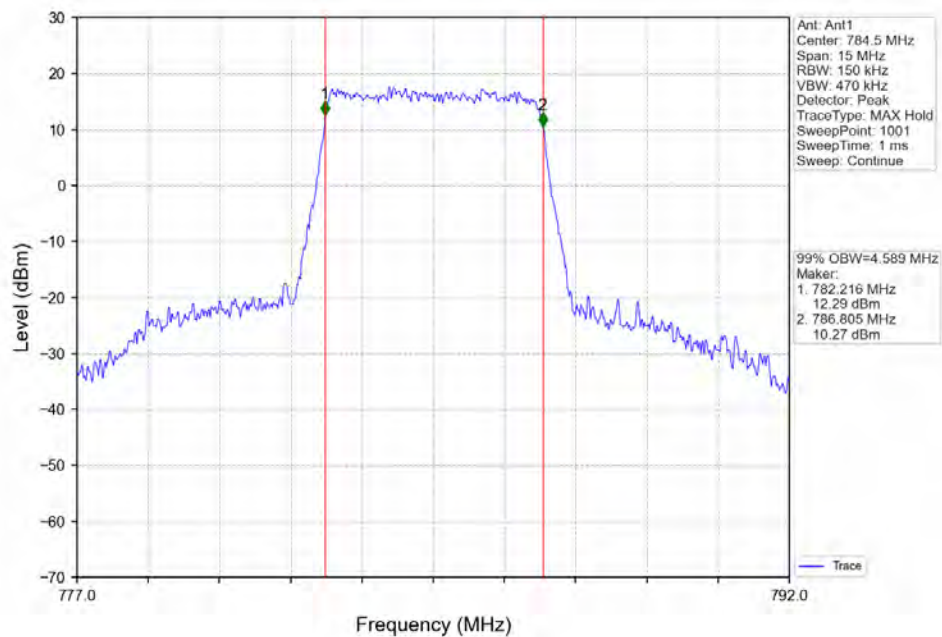




Band13 5MHz 16QAM MCH 782MHz RB 25 0 NTNV

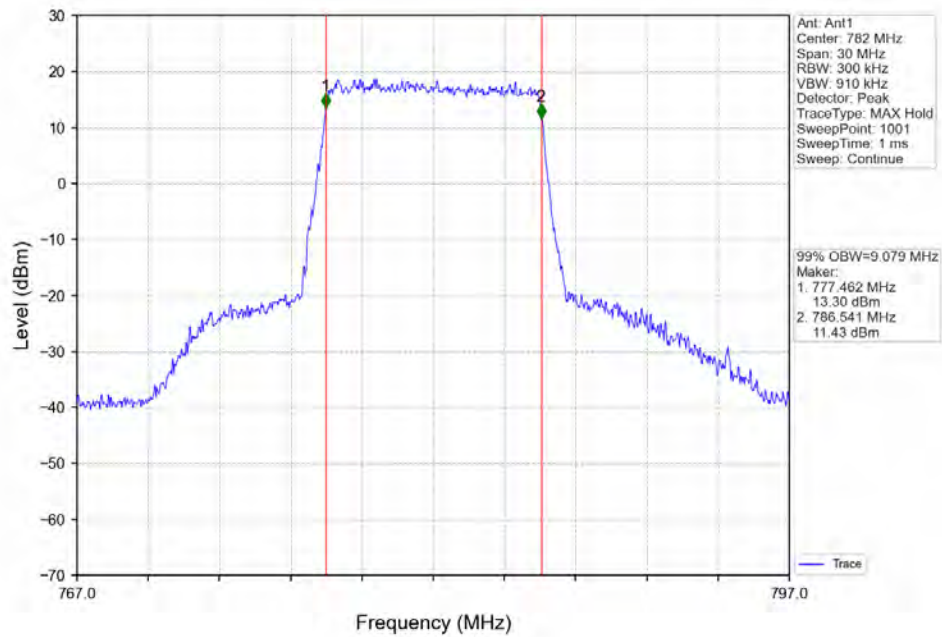


Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

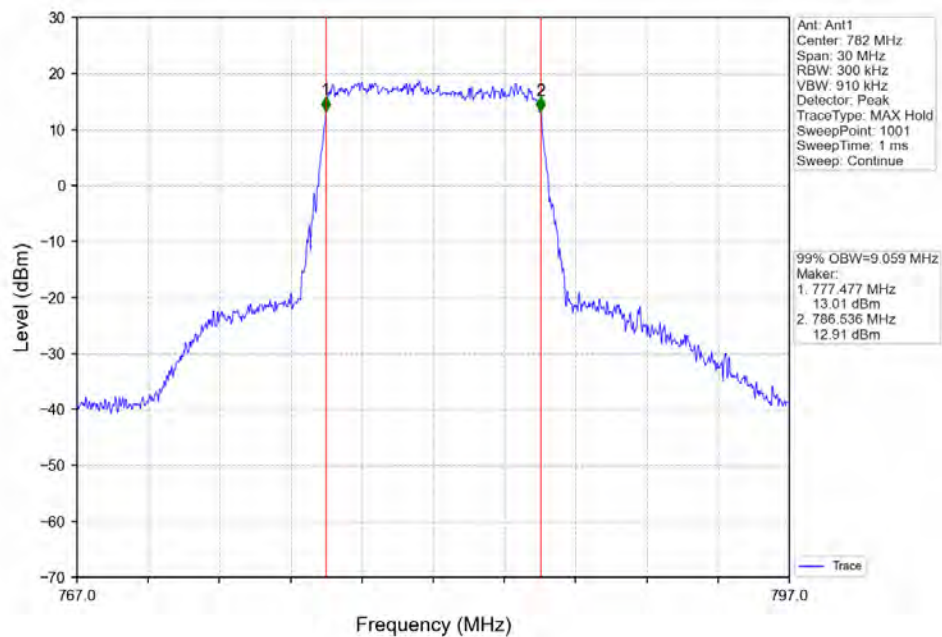




Band13 10MHz QPSK LCH 782MHz RB 50 0 NTN

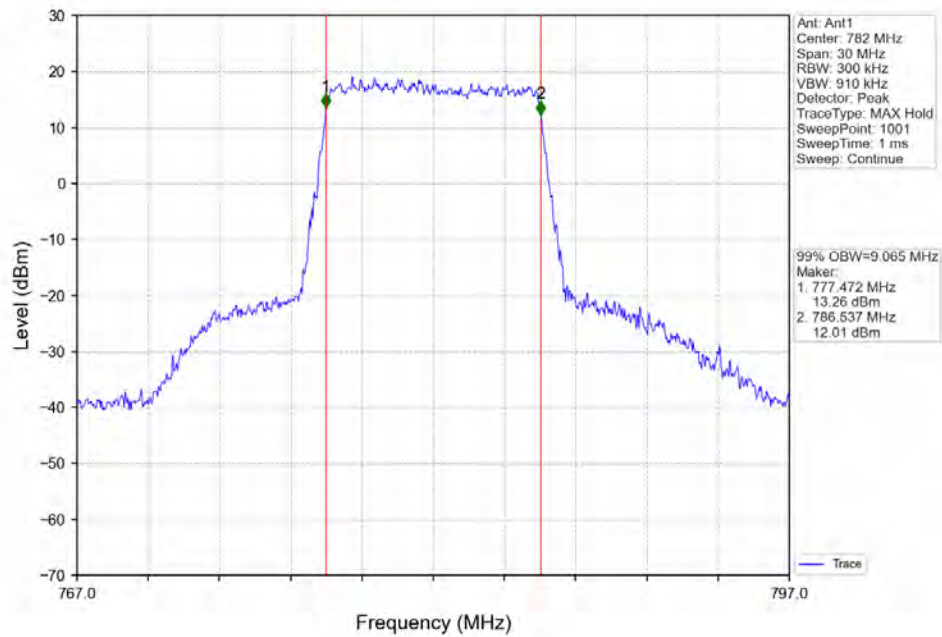


Band13 10MHz QPSK MCH 782MHz RB 50 0 NTN

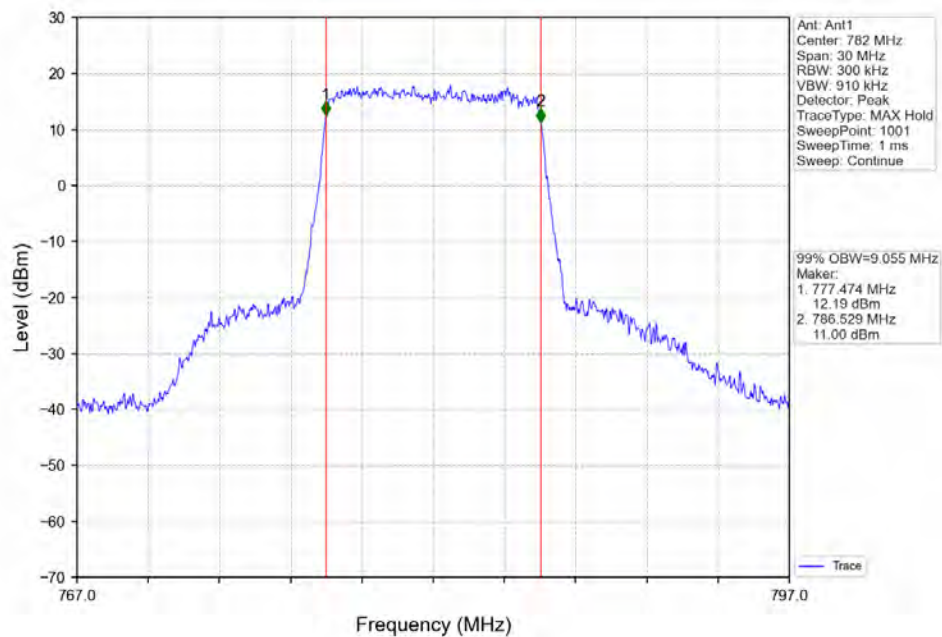




Band13 10MHz QPSK HCH 782MHz RB 50 0 NTN

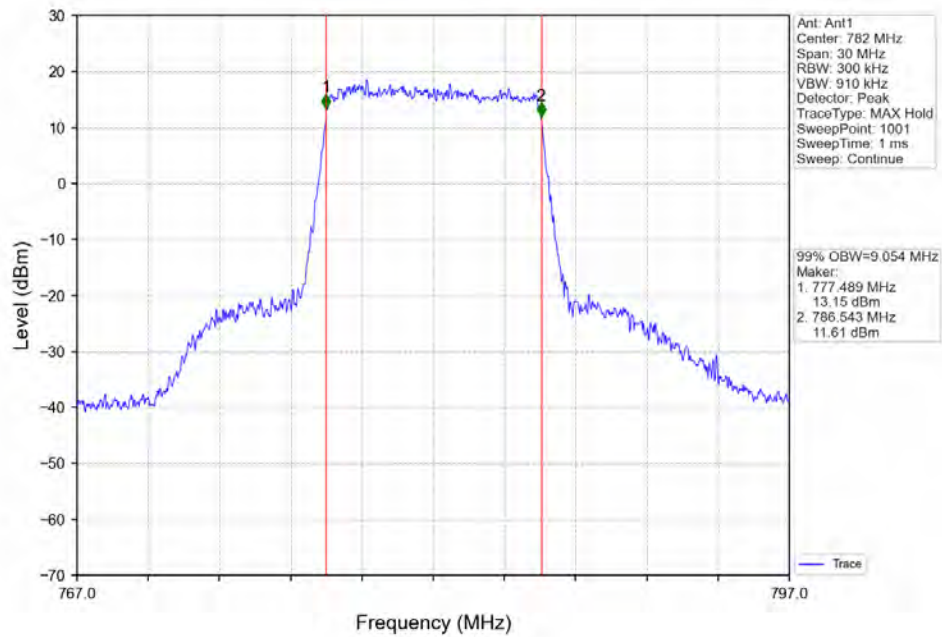


Band13 10MHz 16QAM LCH 782MHz RB 50 0 NTN

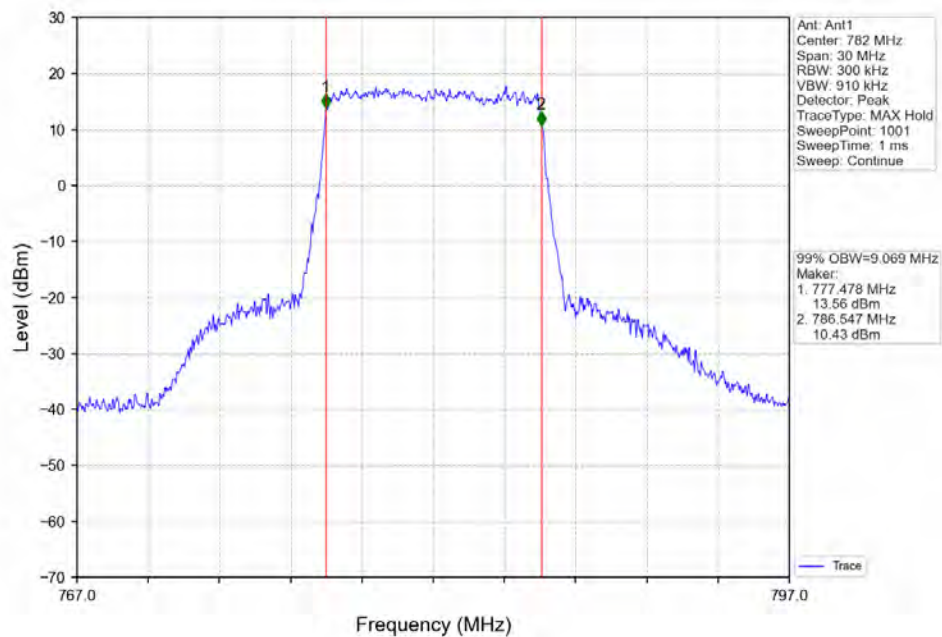




Band13 10MHz 16QAM MCH 782MHz RB 50 0 NTNV



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





2.5. LTE_Band17_OBW

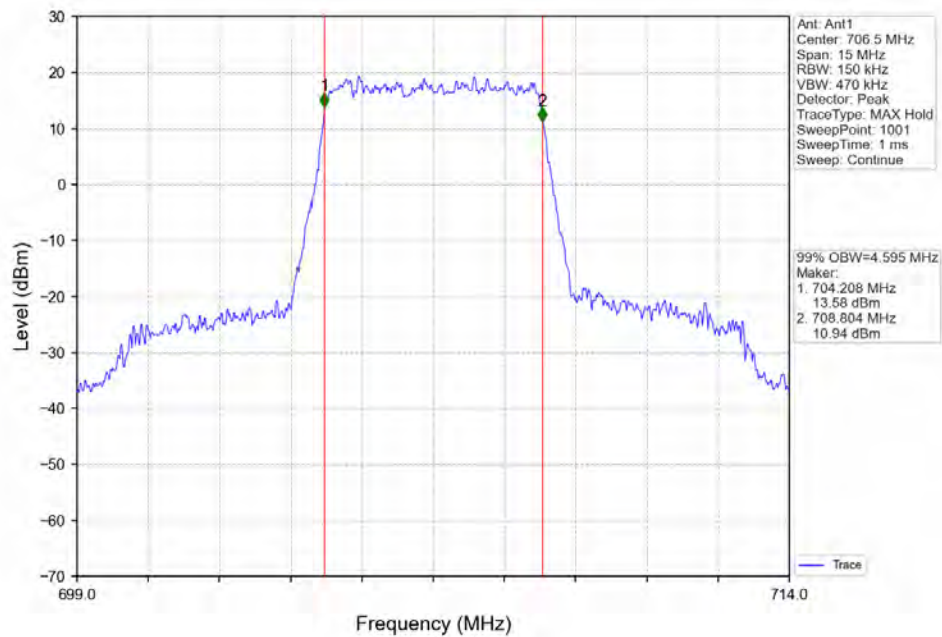
2.5.1. Test Result

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

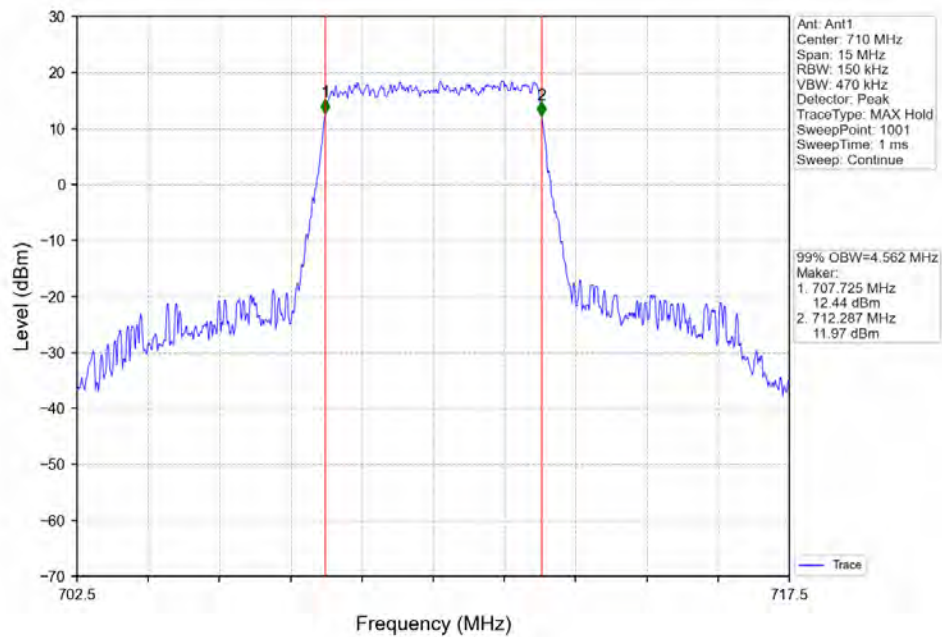


2.5.2. Test Graph

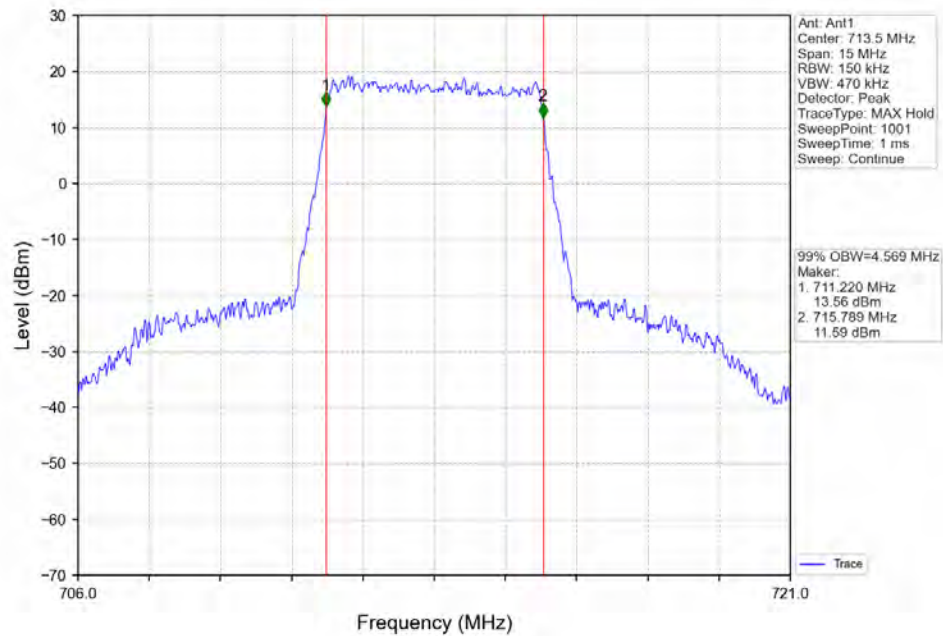
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



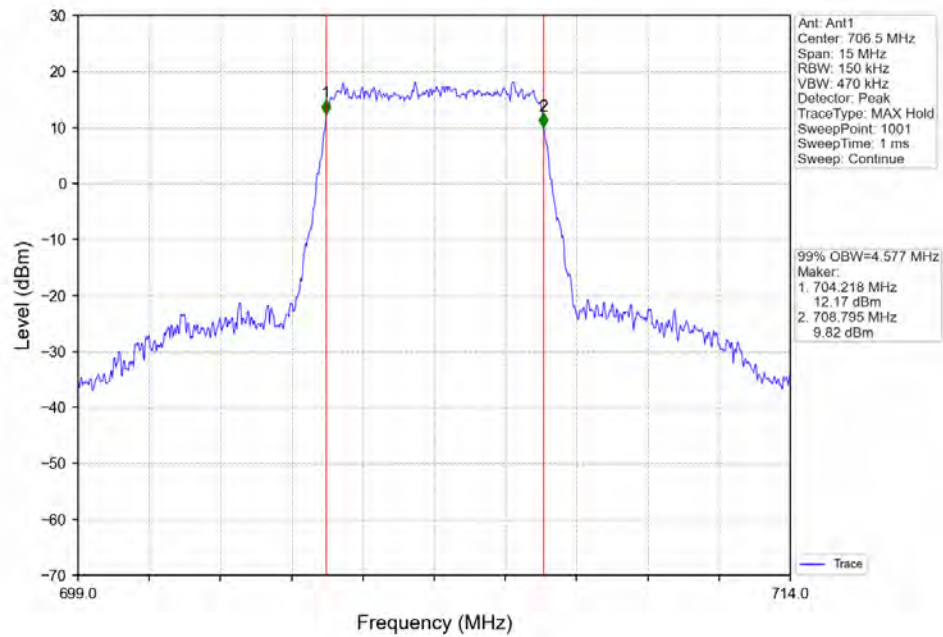
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

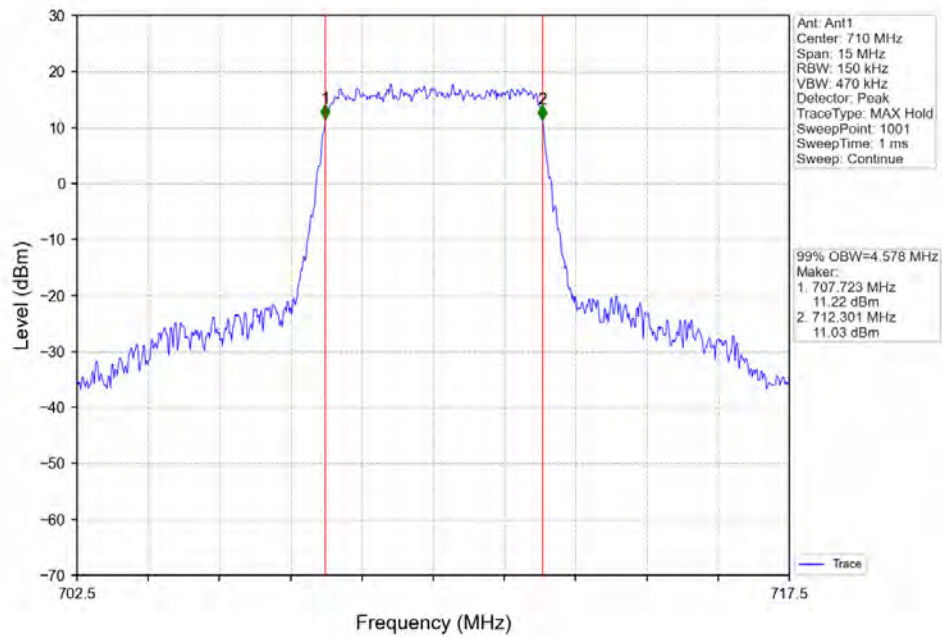


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

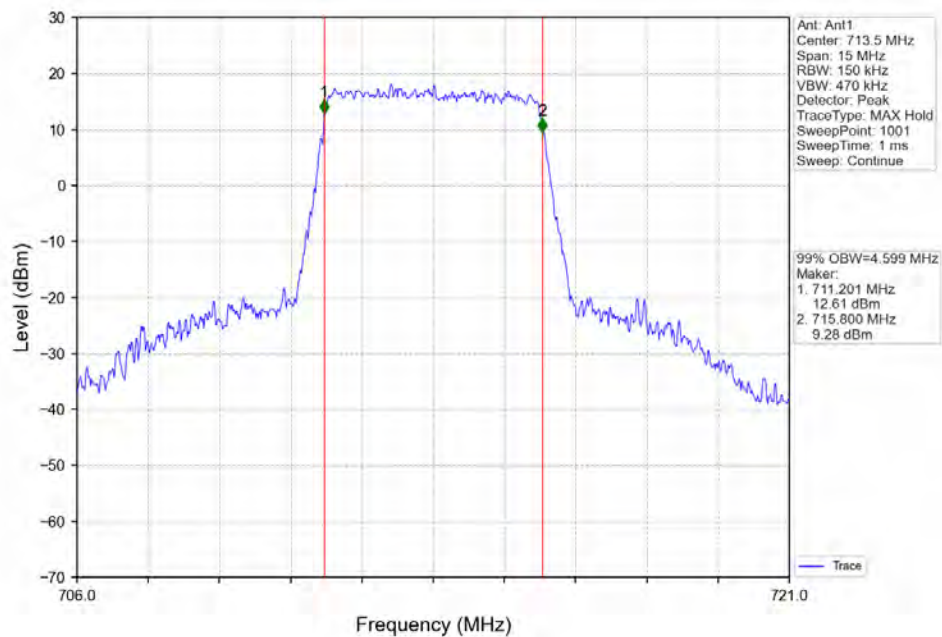




Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

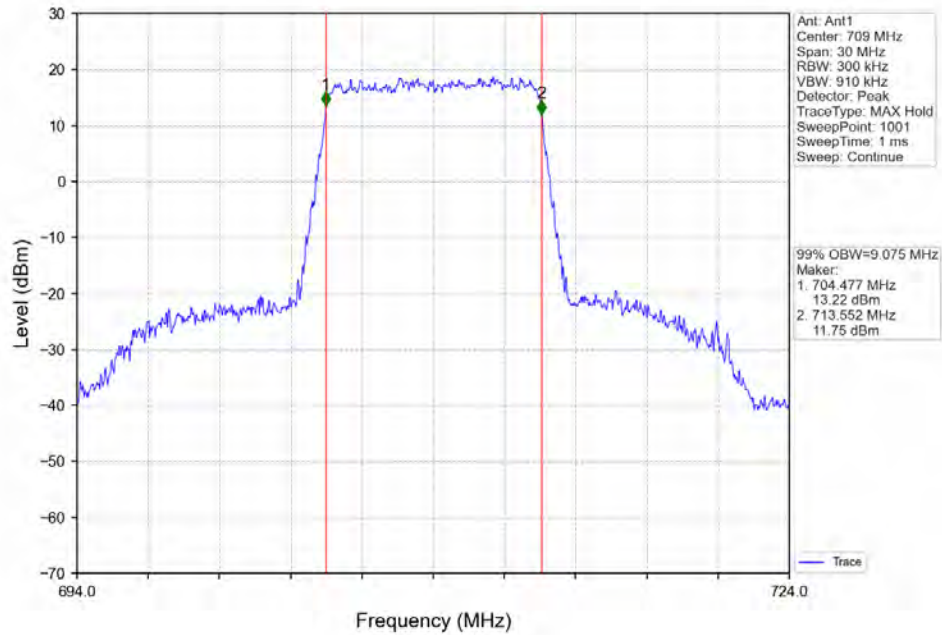


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

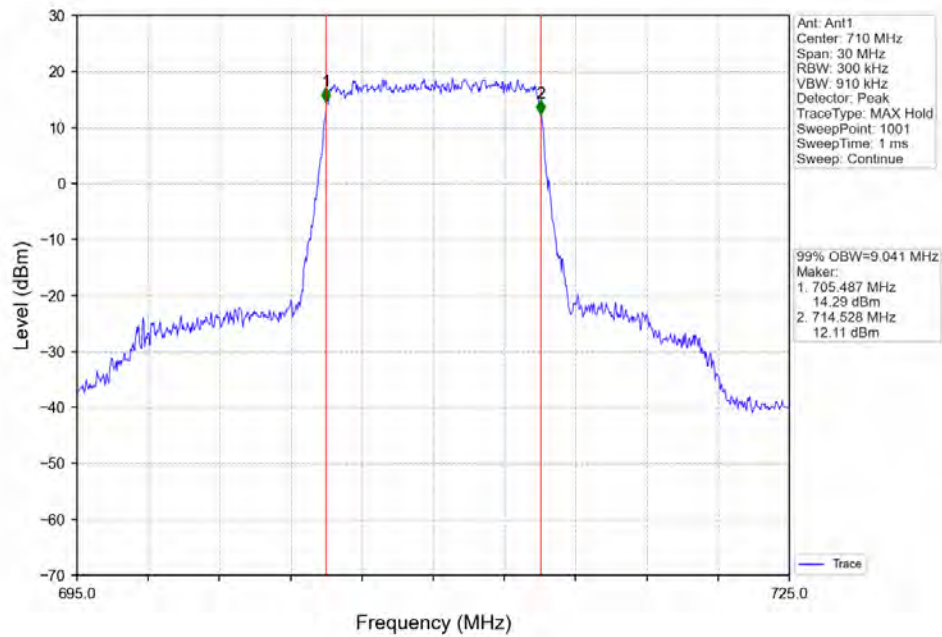




Band17 10MHz QPSK LCH 709MHz RB 50 0 NTNV

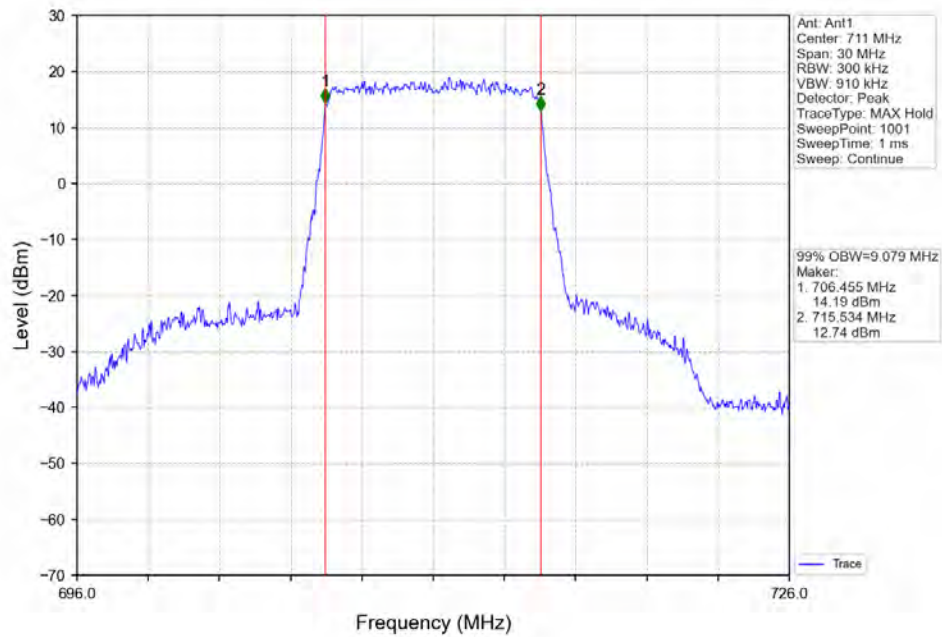


Band17 10MHz QPSK MCH 710MHz RB 50 0 NTNV

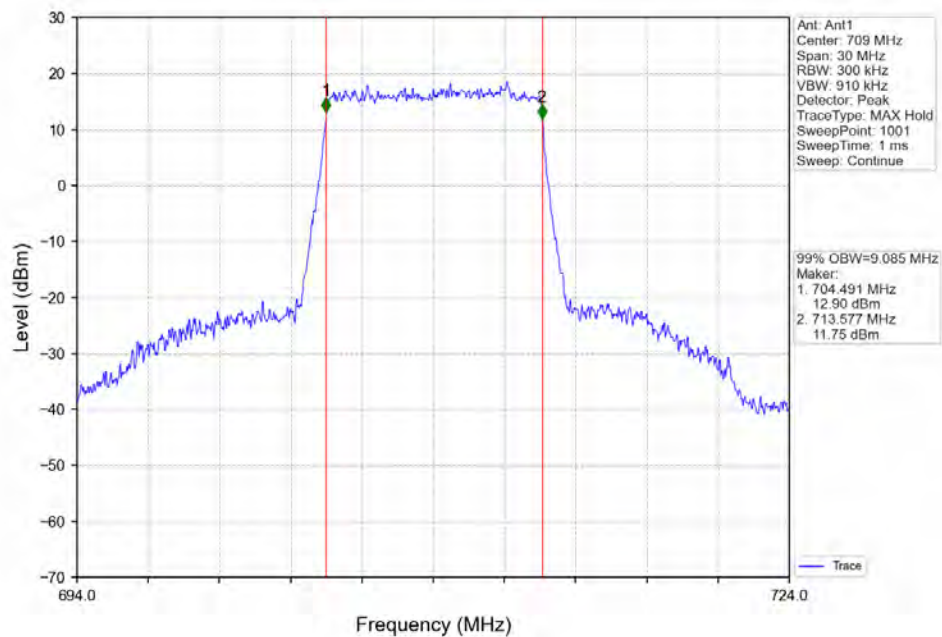




Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV

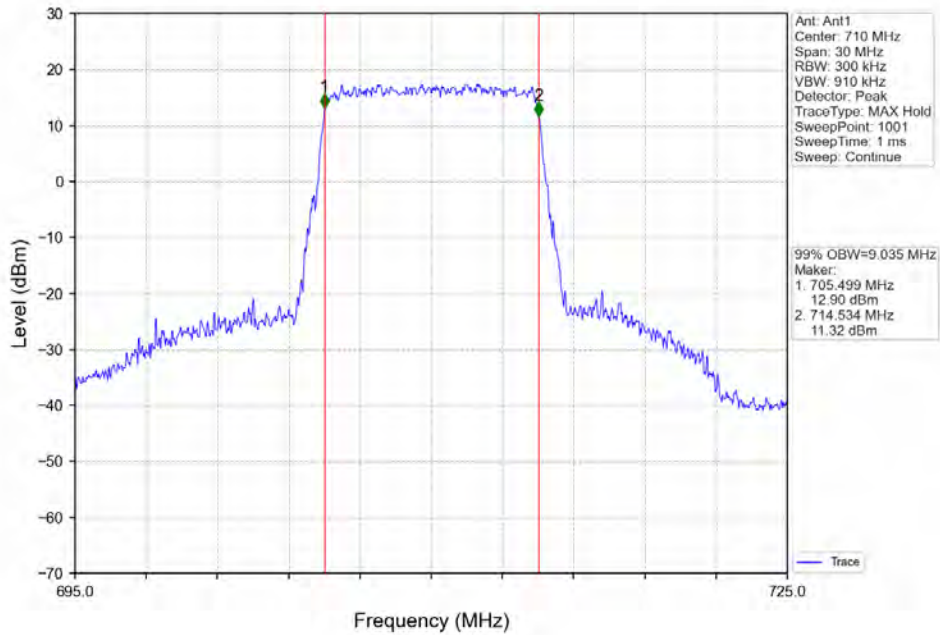


Band17 10MHz 16QAM LCH 709MHz RB 50 0 NTNV

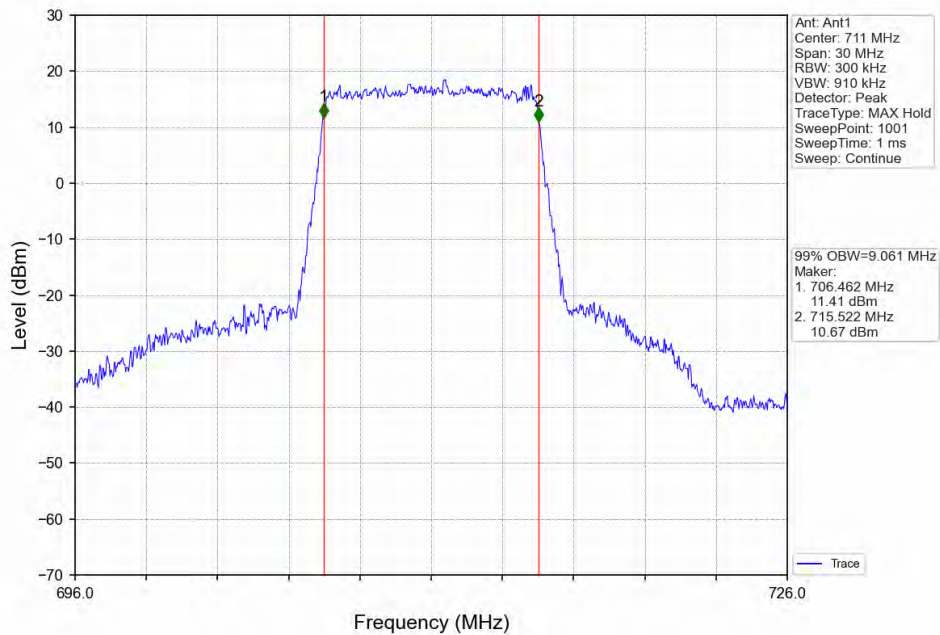




Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTNV



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





2.6. WCDMA_Band4_26DB

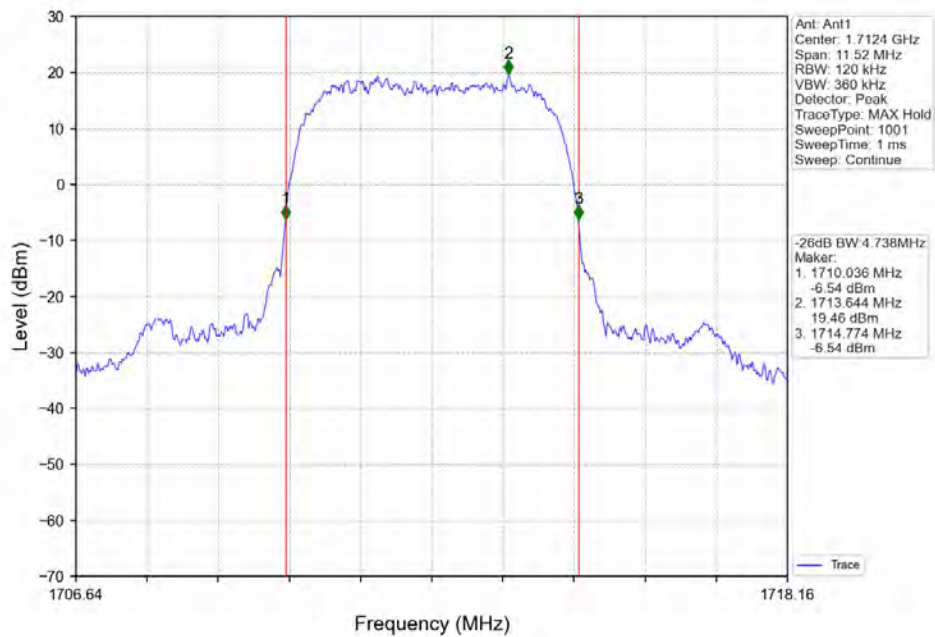
2.6.1. Test Result

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

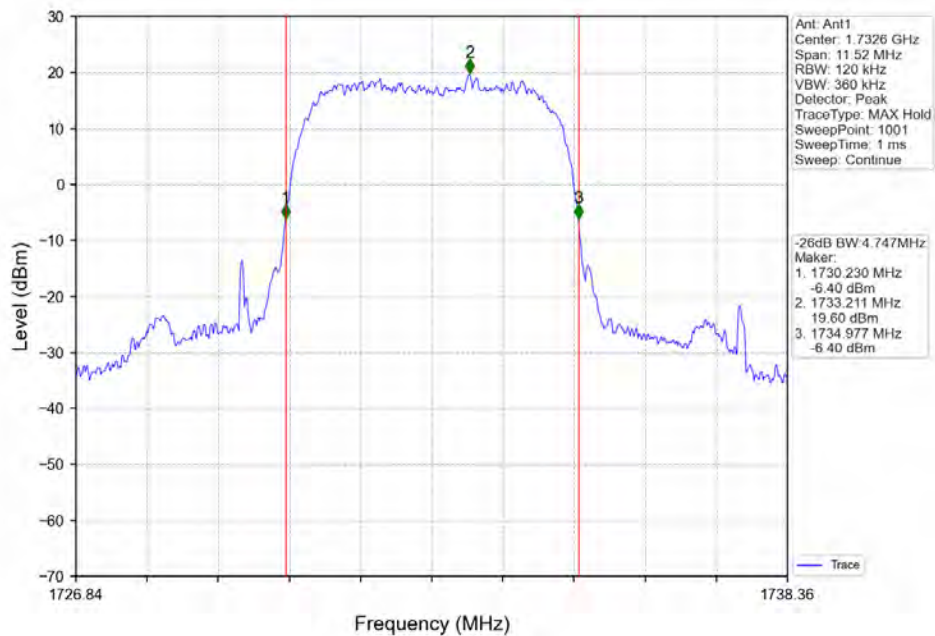


2.6.2. Test Graph

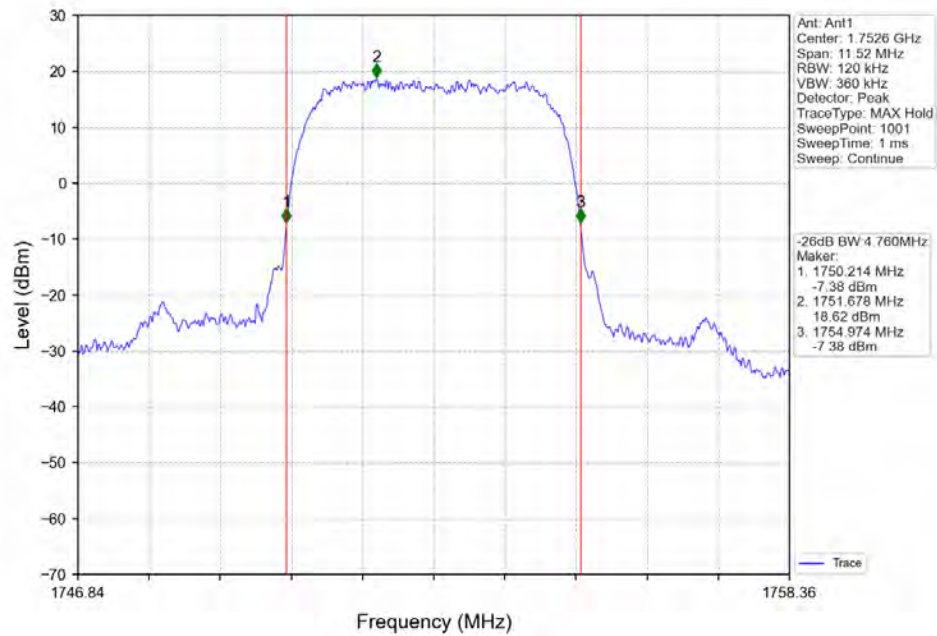
Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV





2.7. LTE_Band4_26DB

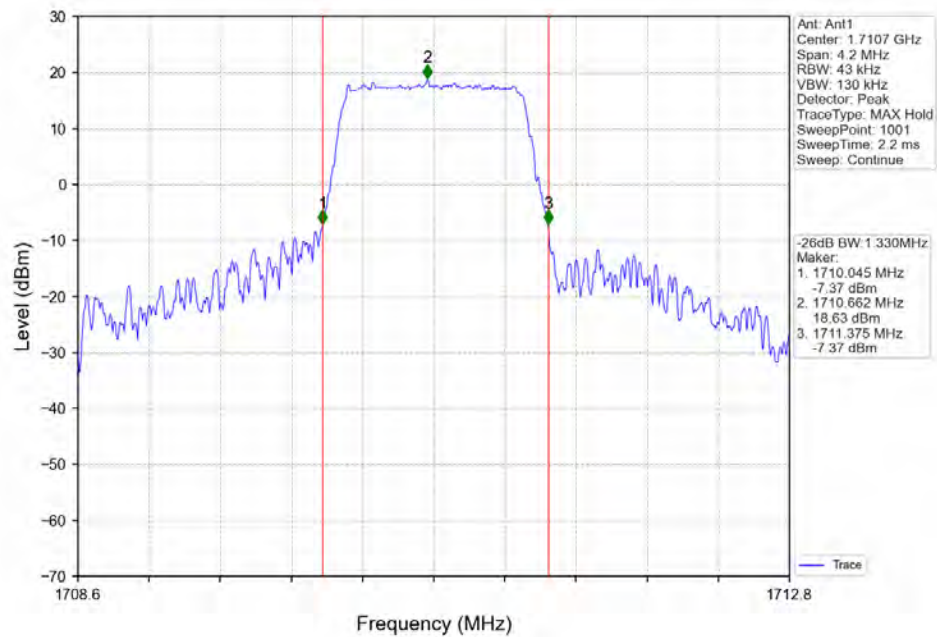
2.7.1. Test Result

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

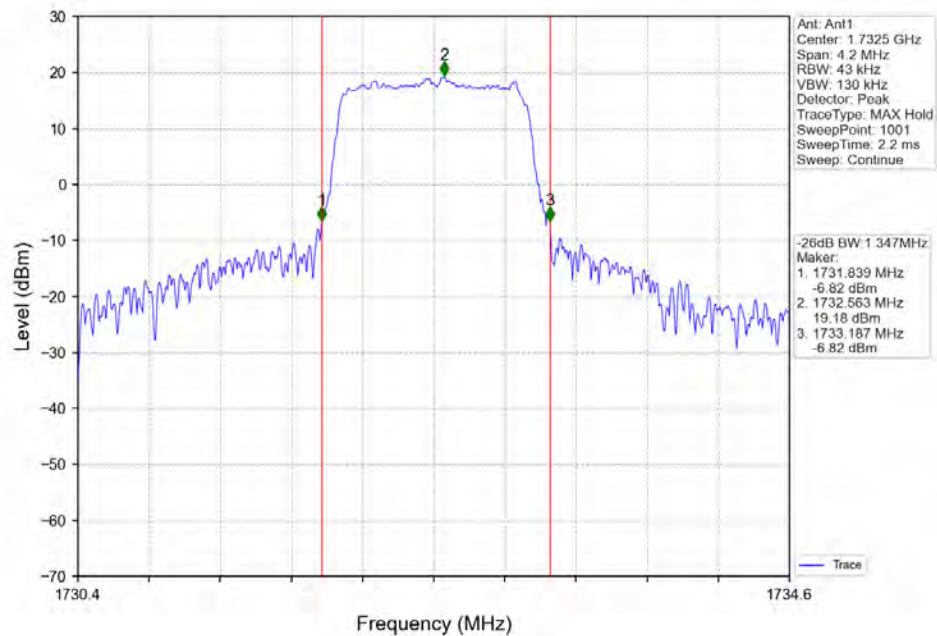


2.7.2. Test Graph

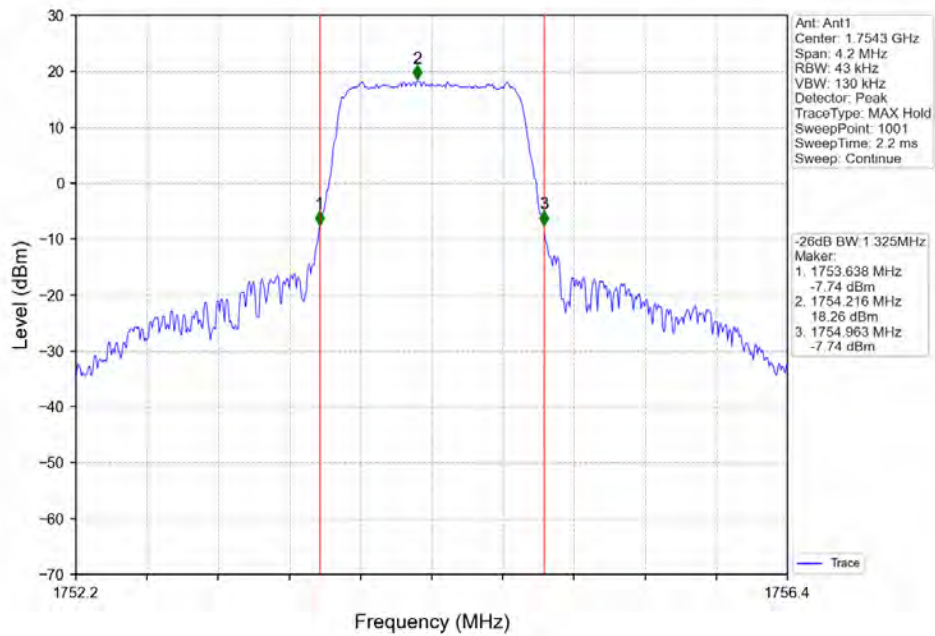
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



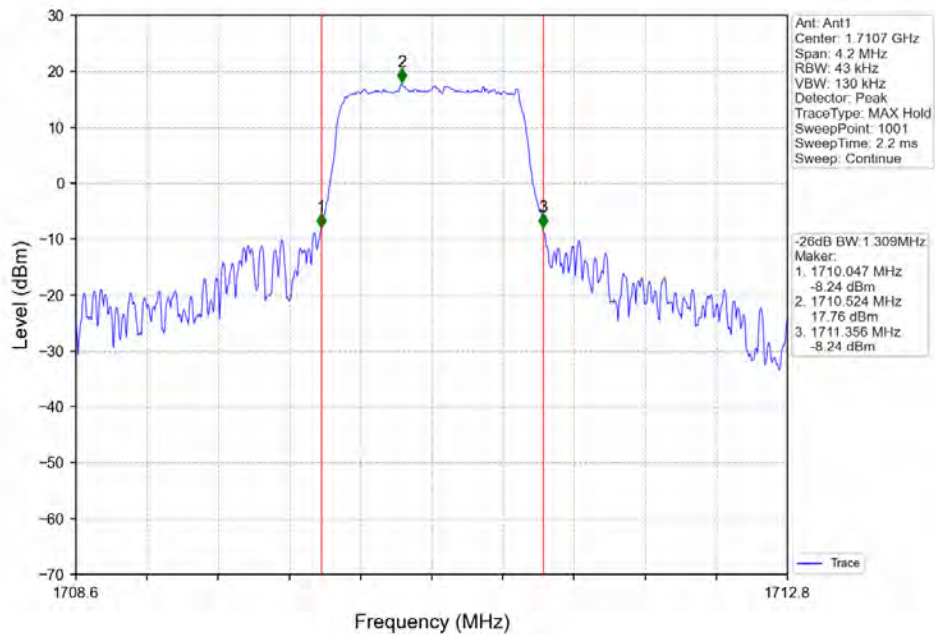
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

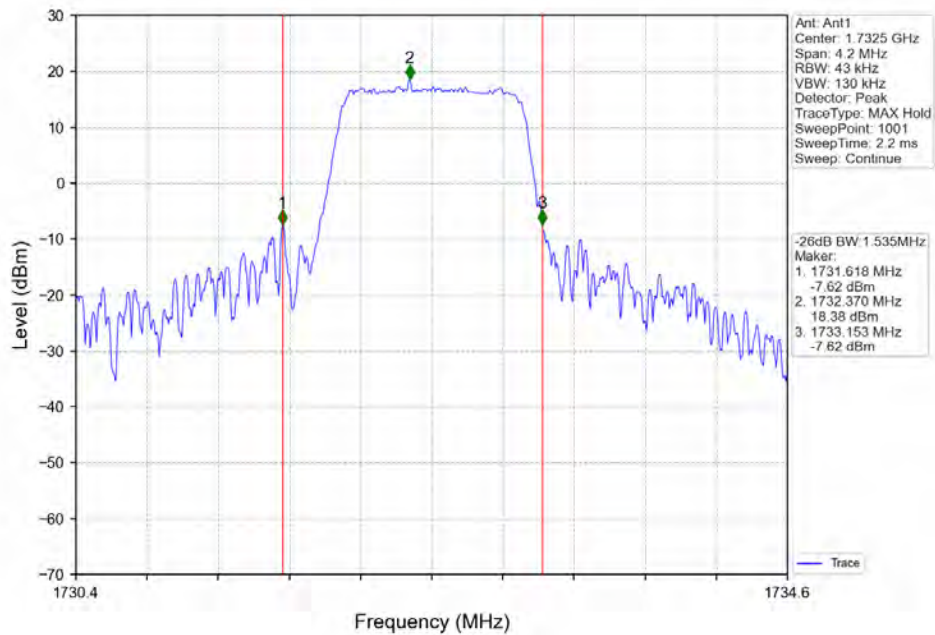


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

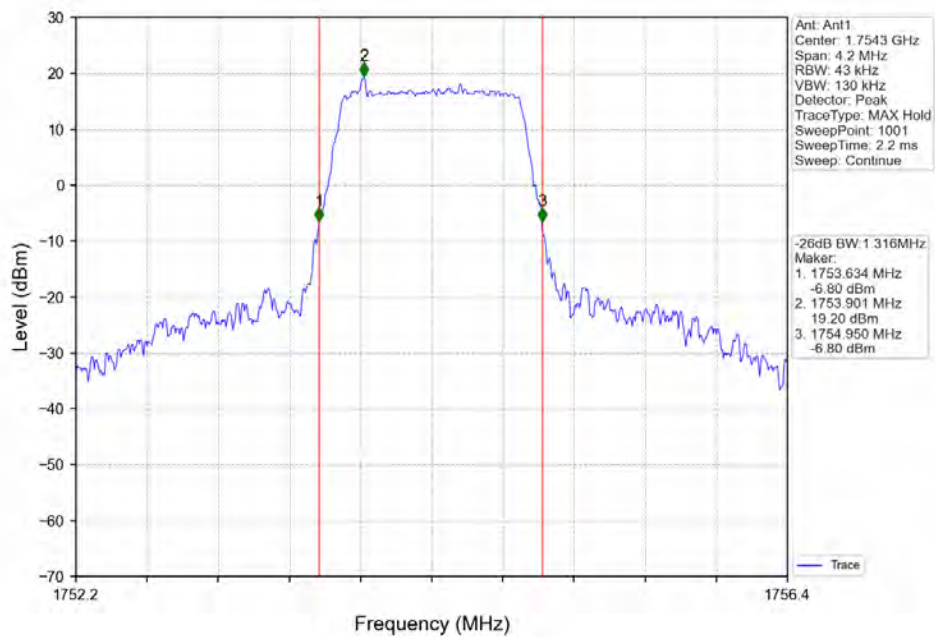




Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV

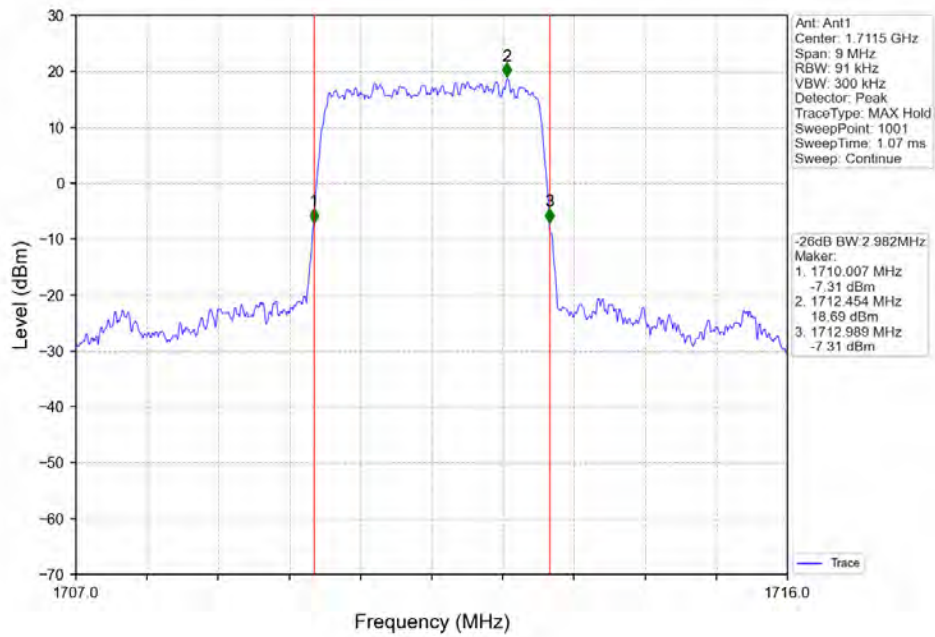


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

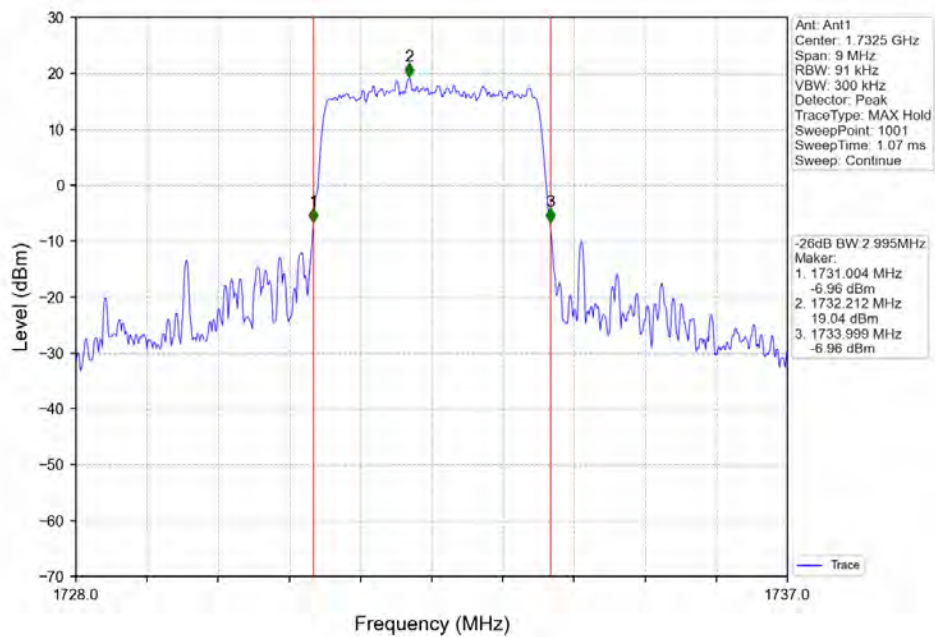




Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

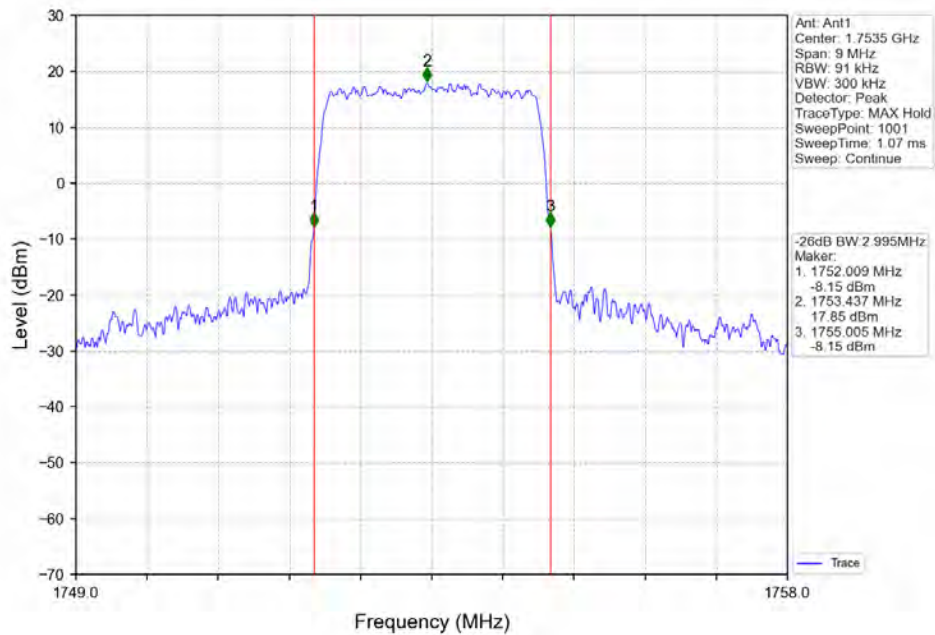


Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV

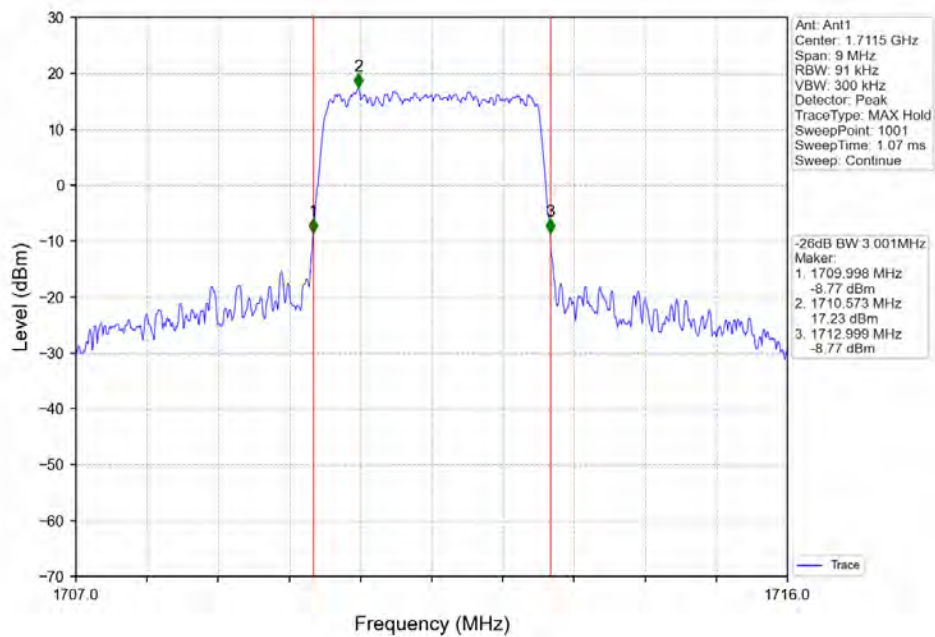




Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

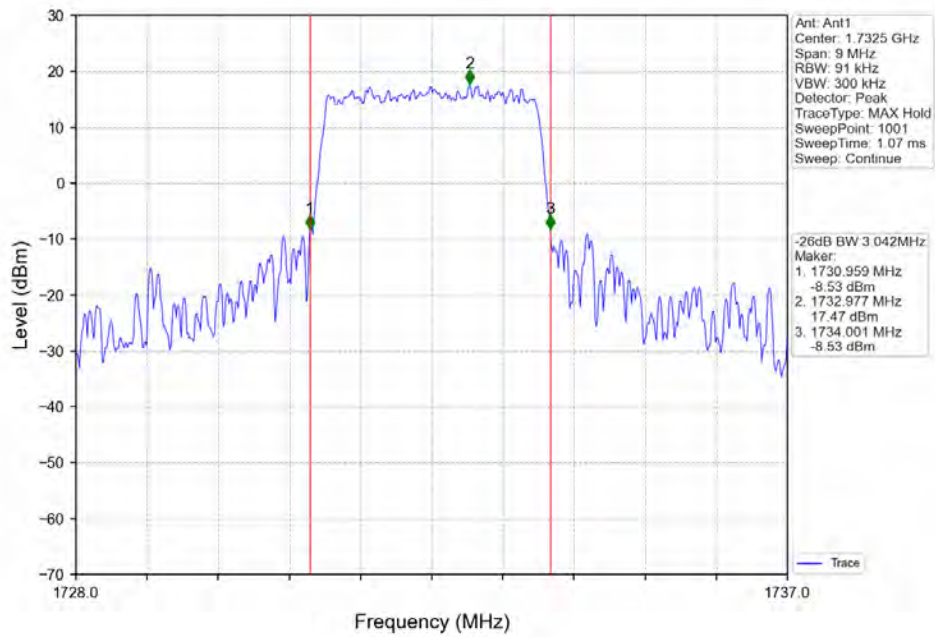


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV

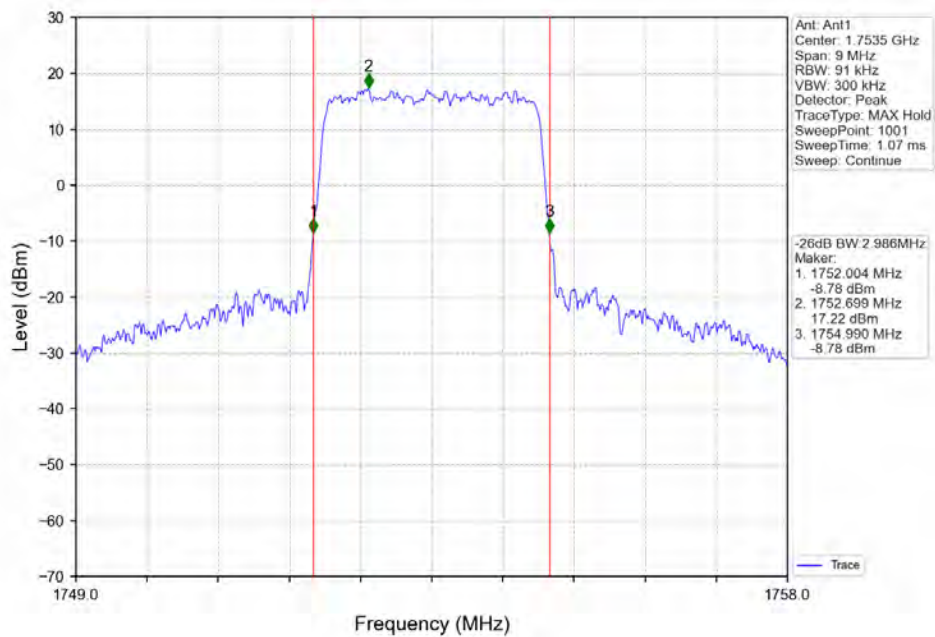




Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV

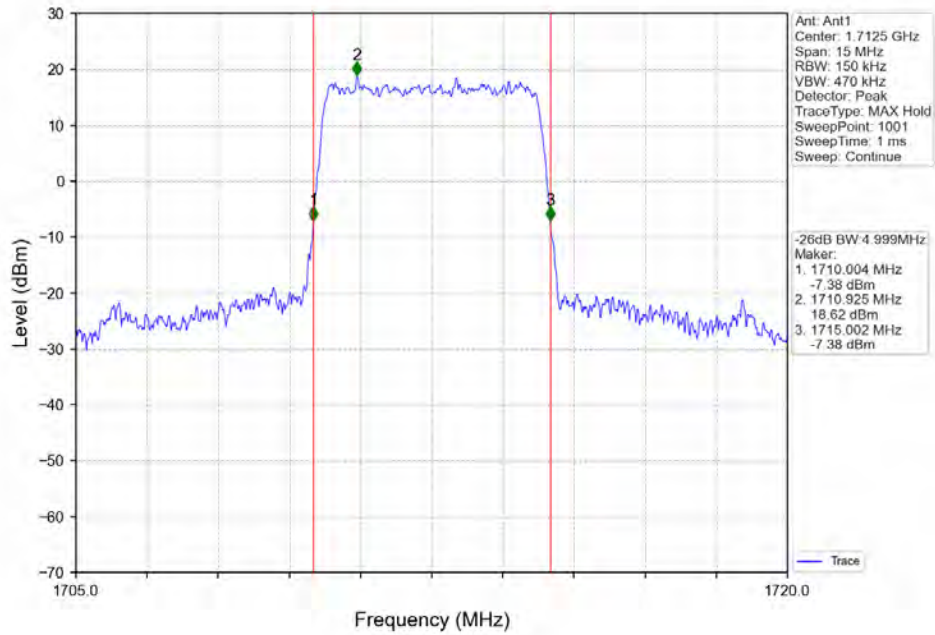


Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

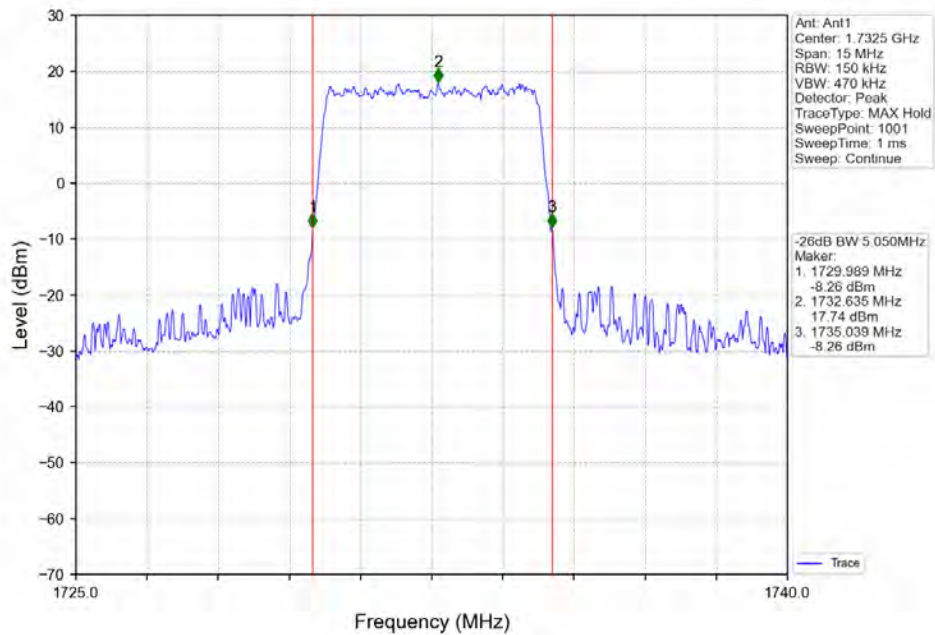




Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTV

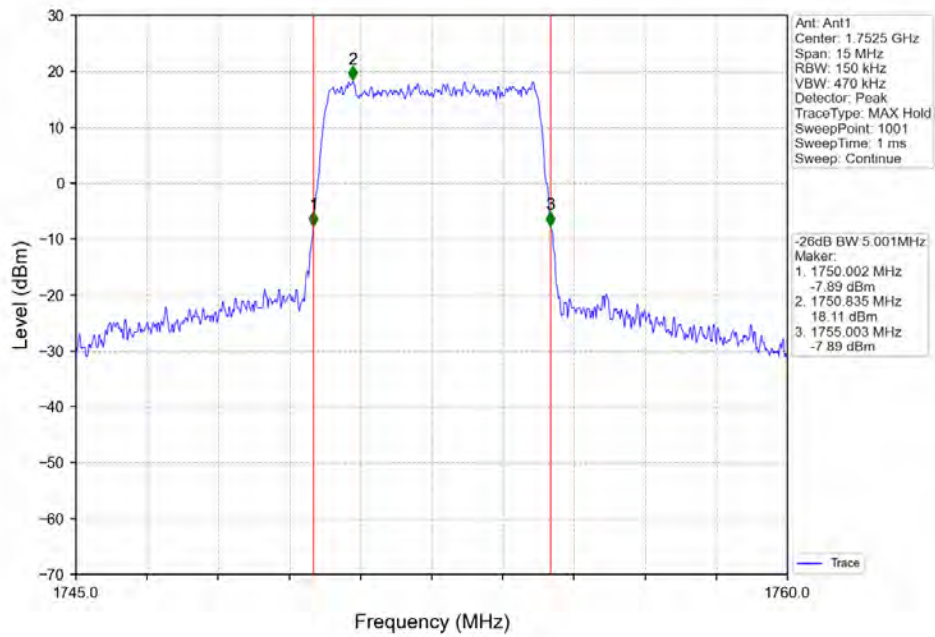


Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV

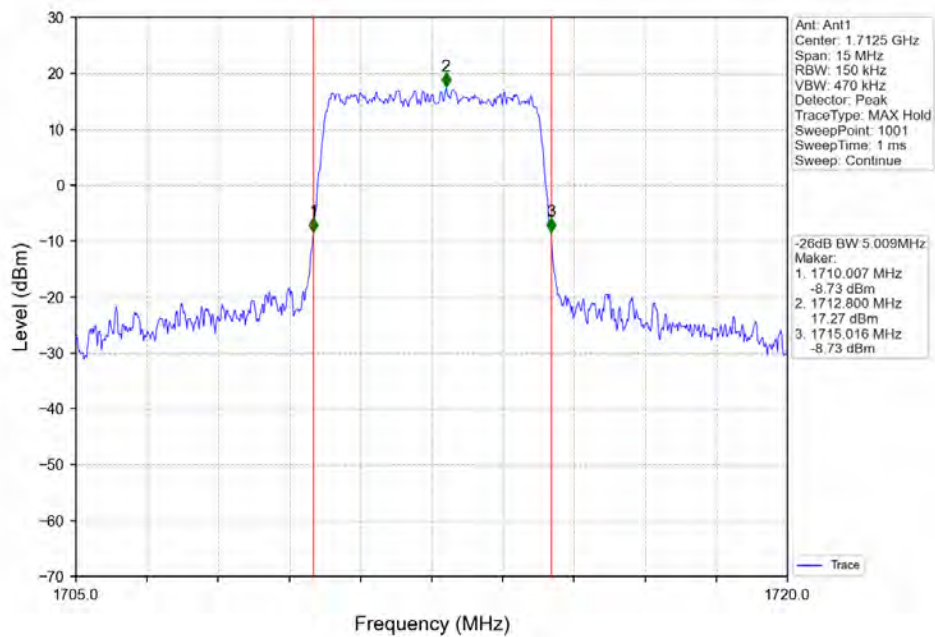




Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

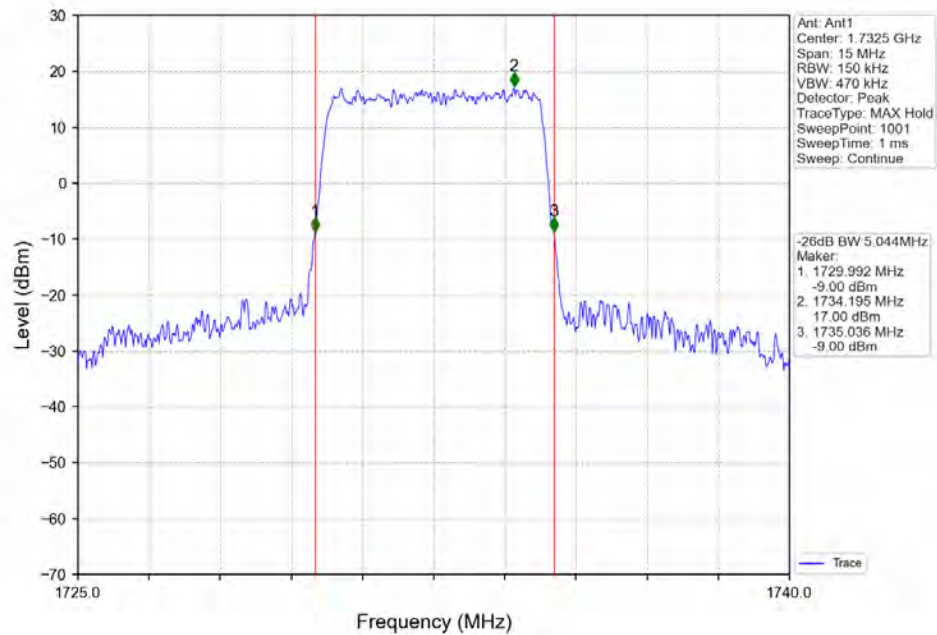


Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTV

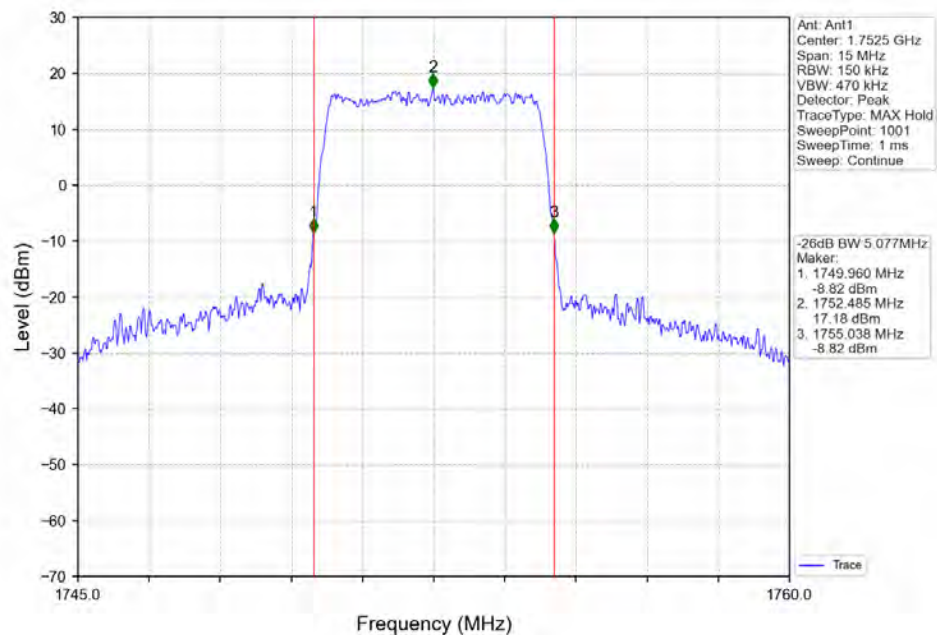




Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV

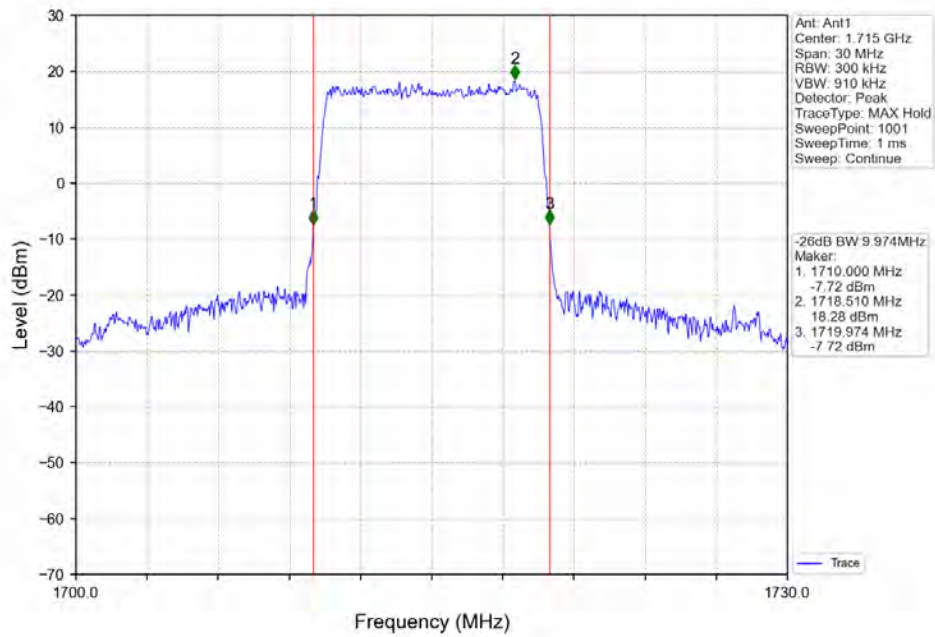


Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

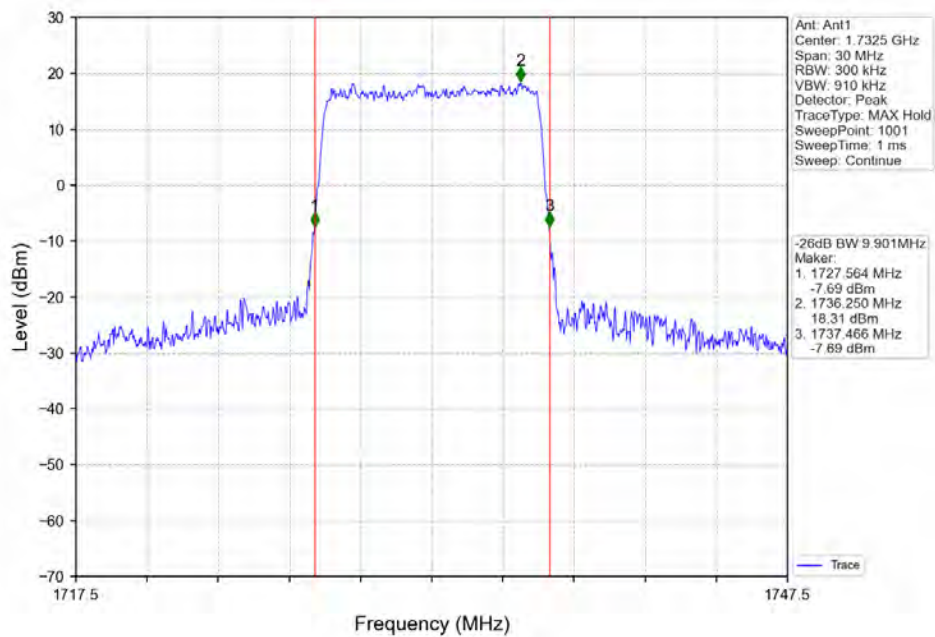




Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

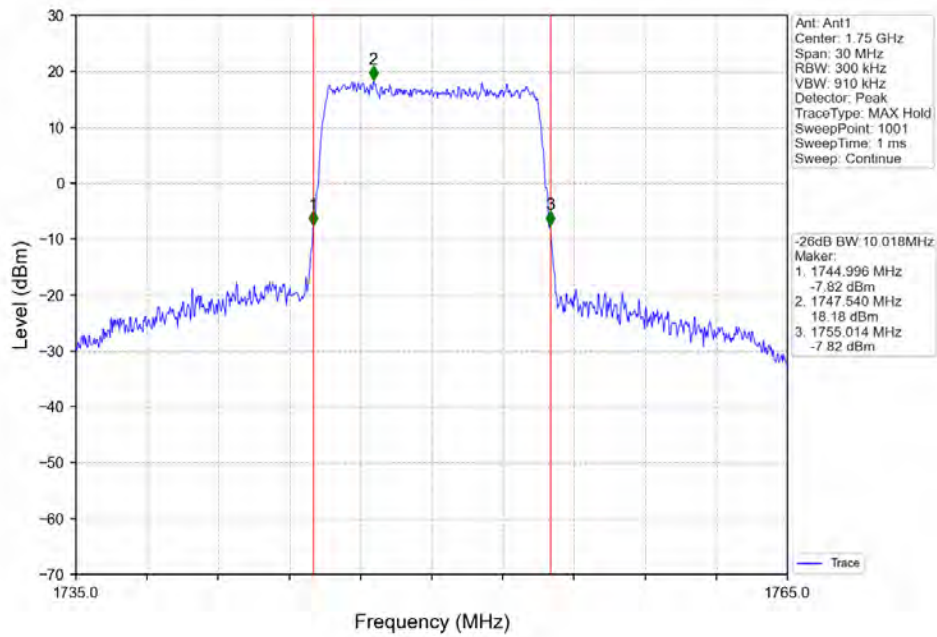


Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV

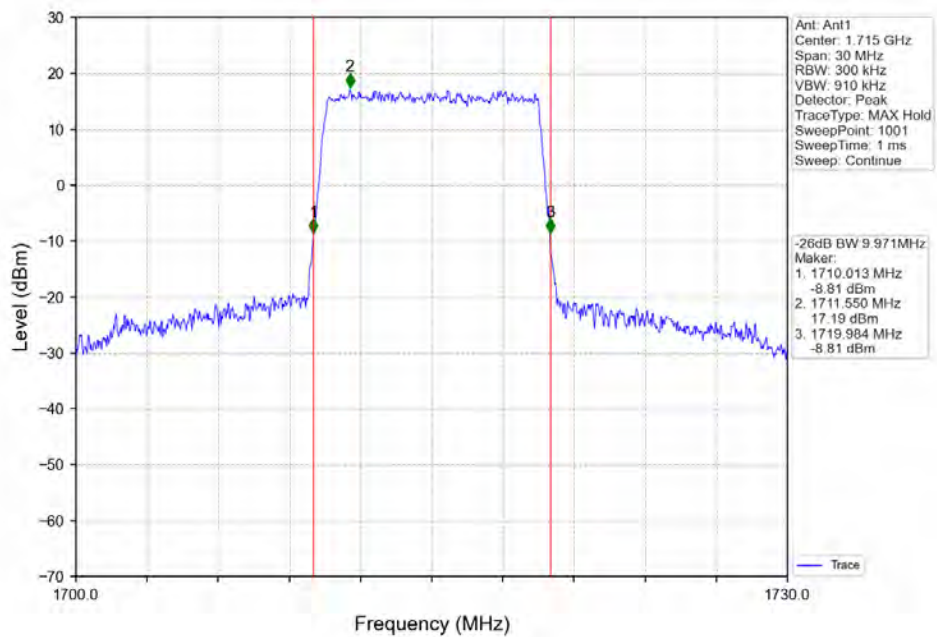




Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

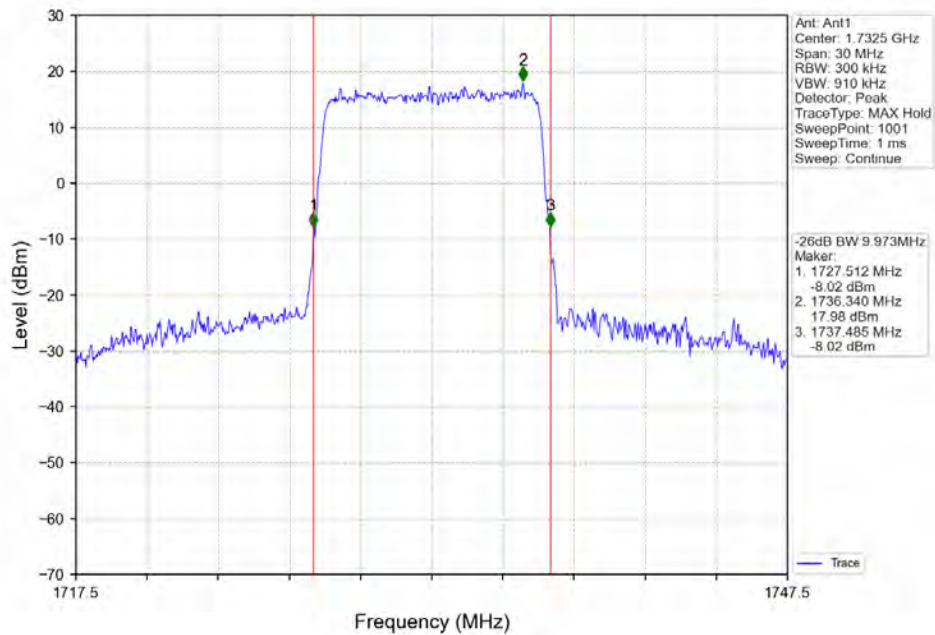


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

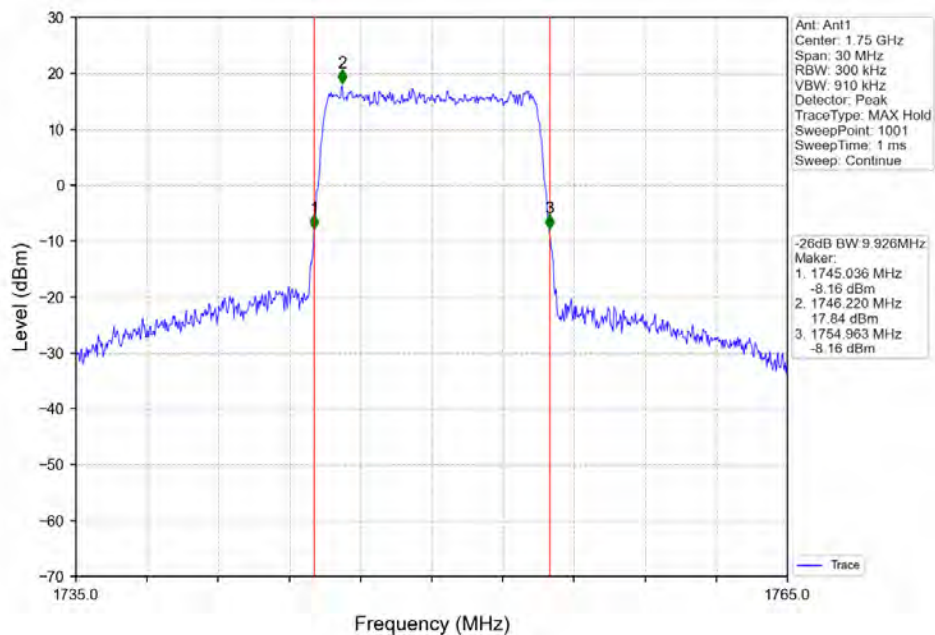




Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV

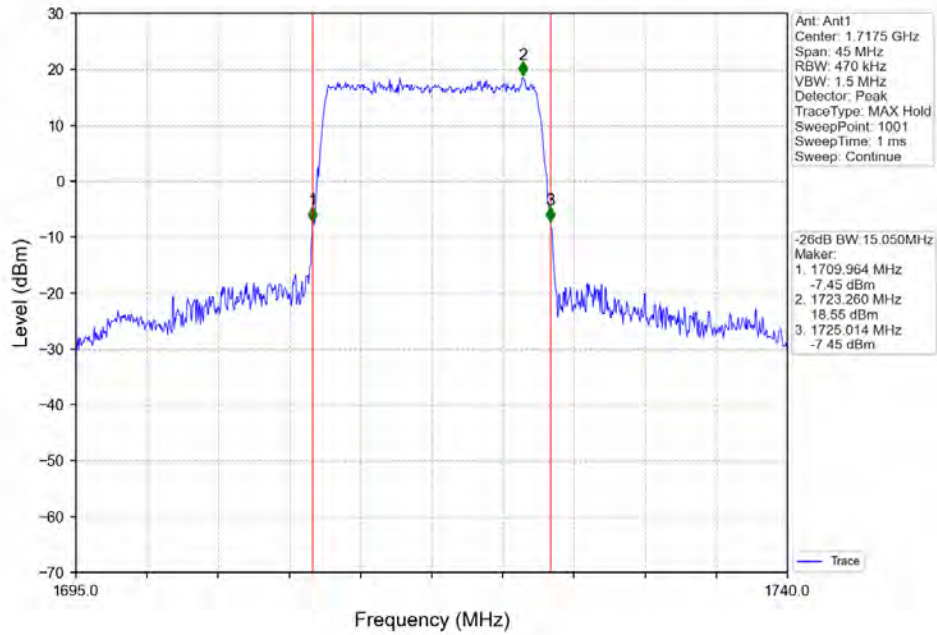


Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

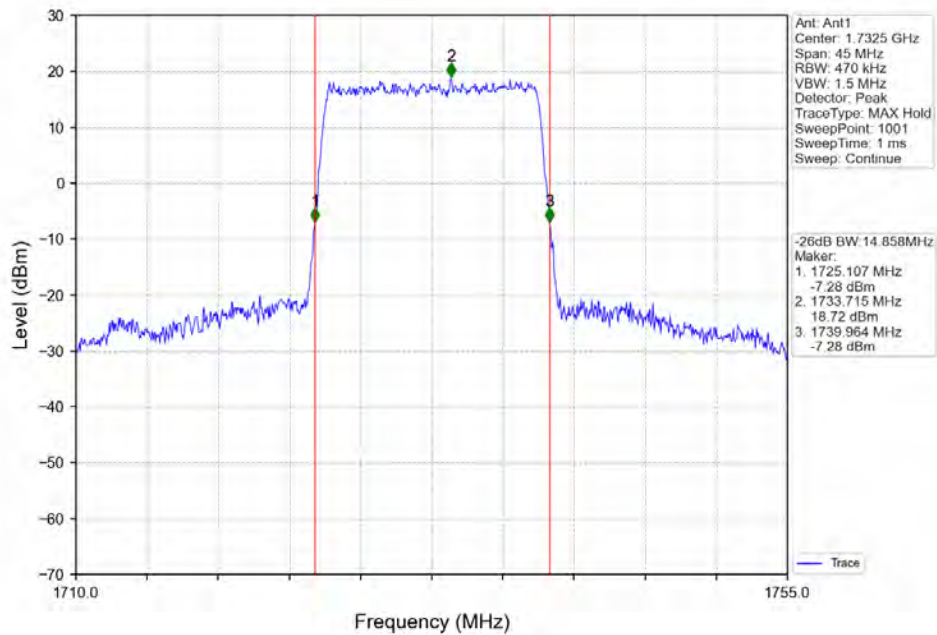




Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

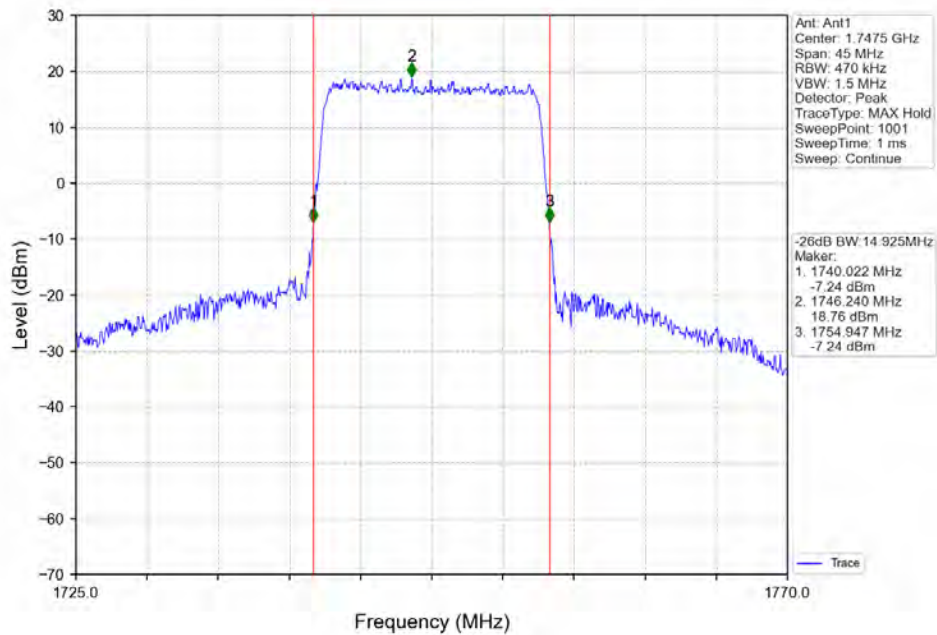


Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV

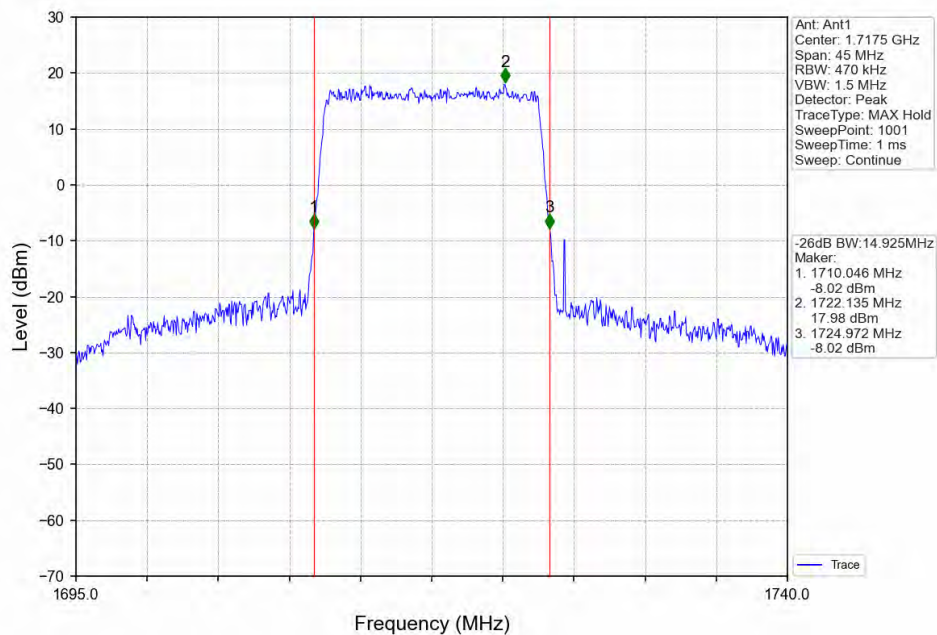




Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

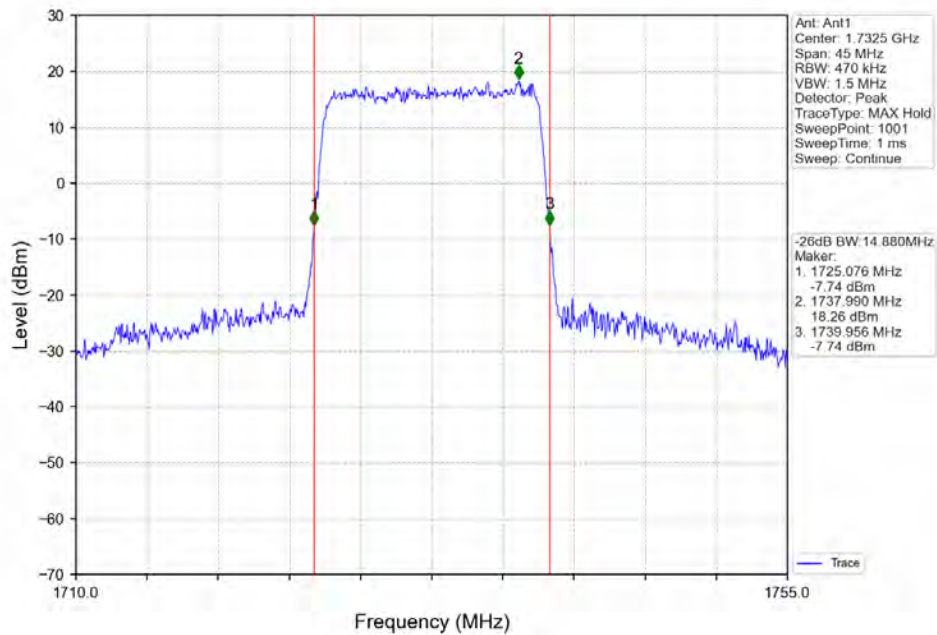


Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV

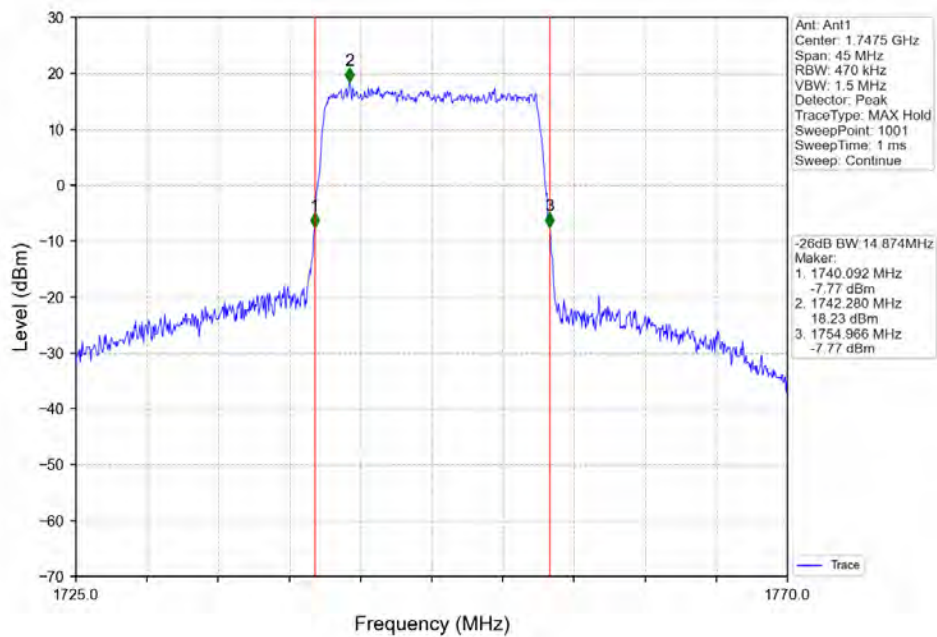




Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV

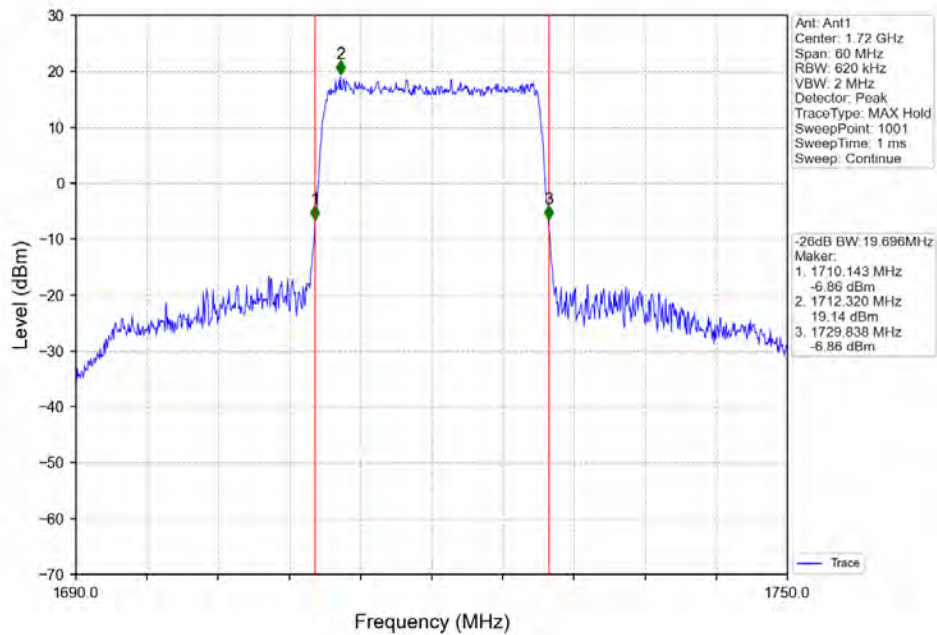


Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

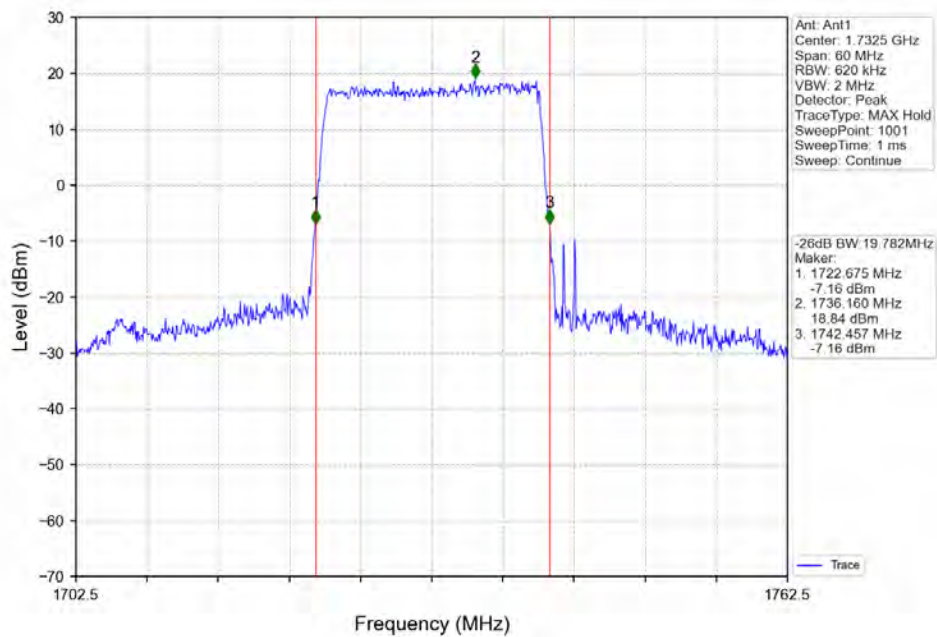




Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTV

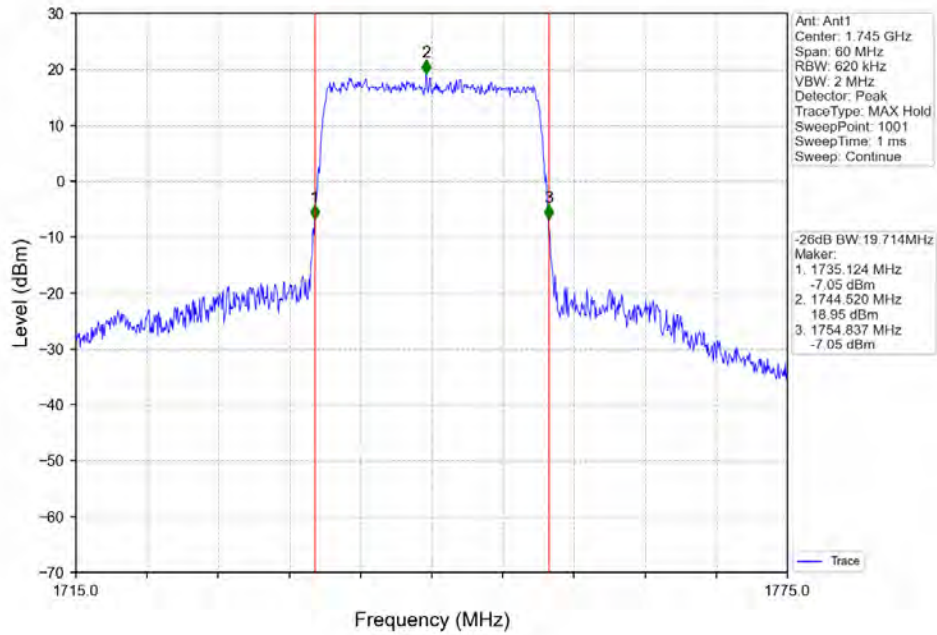


Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTV

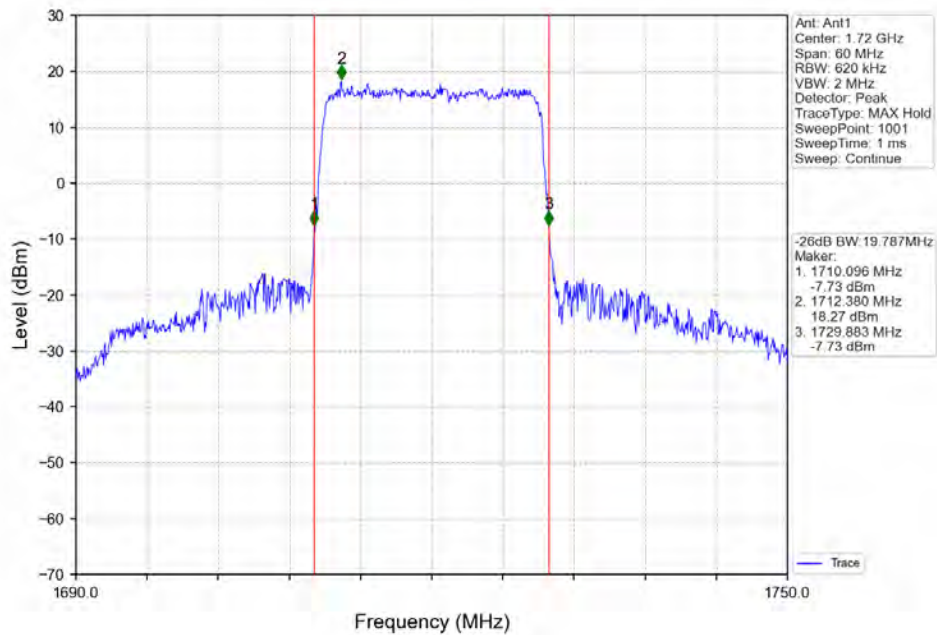




Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTV

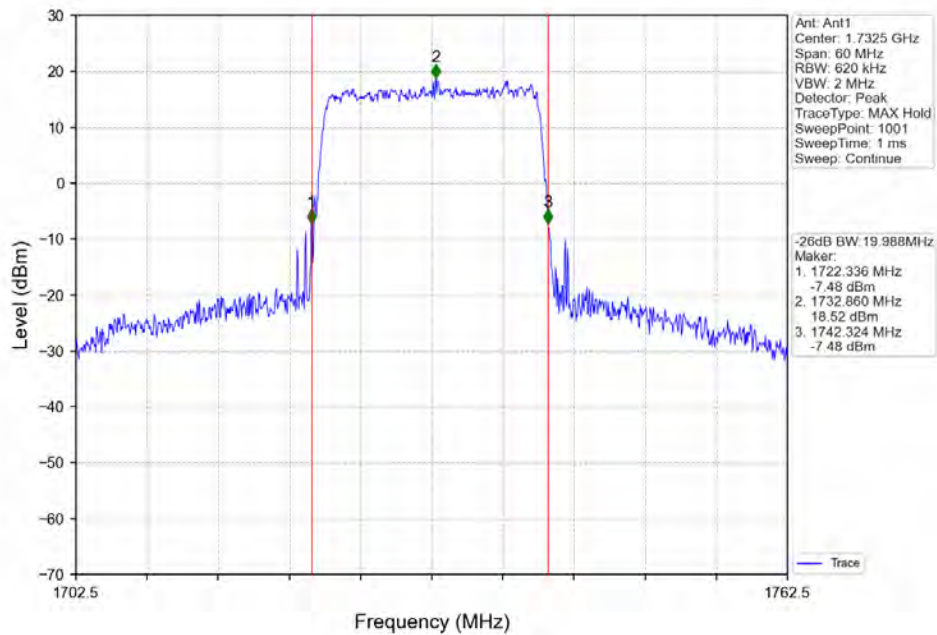


Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTV

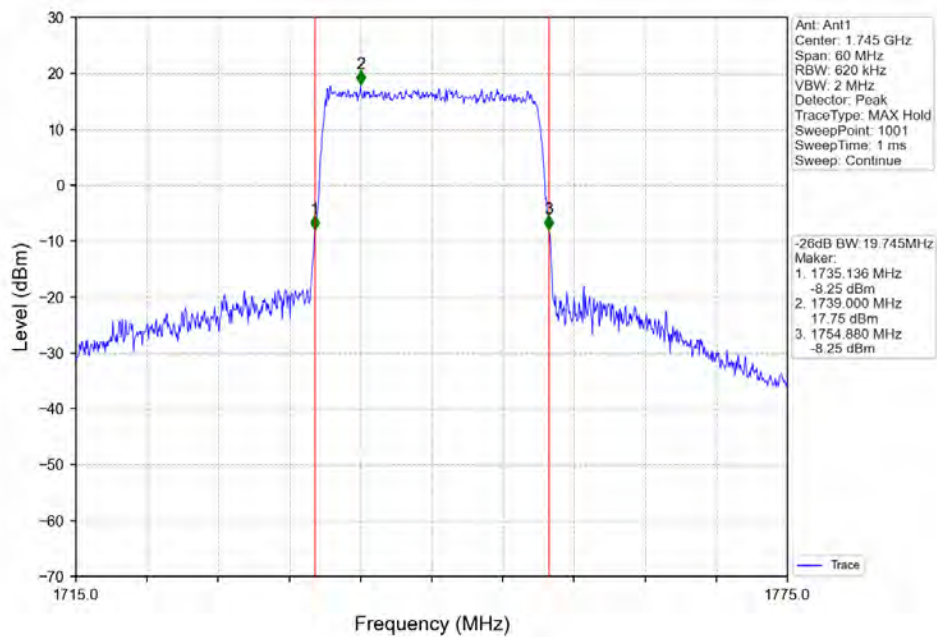




Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



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





2.8. LTE_Band12_26DB

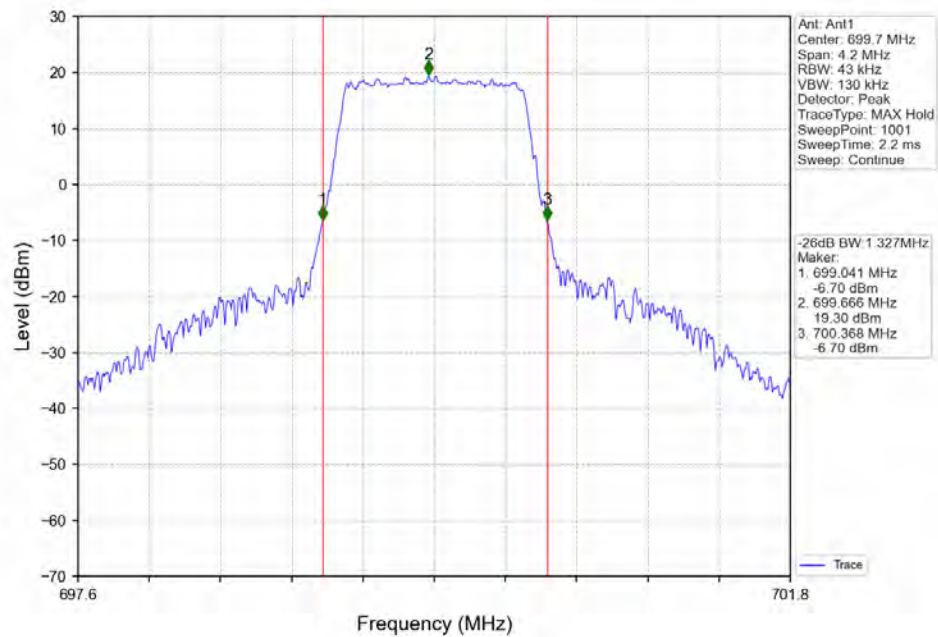
2.8.1. Test Result

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

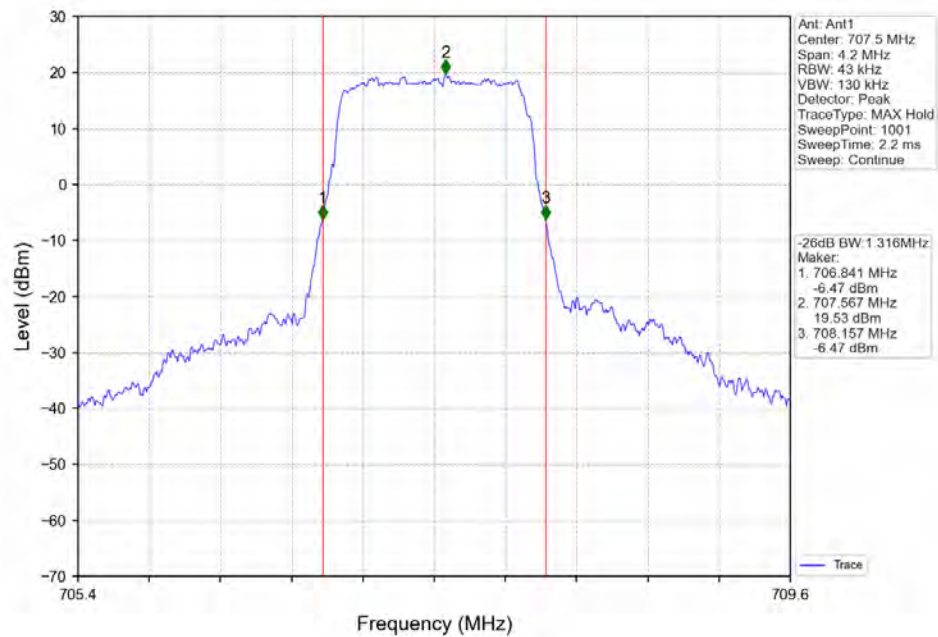


2.8.2. Test Graph

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