



**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF01

FCC TEST REPORT (PART 22)

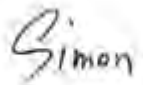
Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
HW version:	P4.1
SW version:	MODEMSA515M_01.15.62
Registration No:	525120
Designation No:	CN1171
Date of tests:	Jun. 16, 2021 ~ Nov. 03, 2021

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

- ☒ **FCC PART 22, Subpart H** ☒ **FCC Part 2**
☒ **ANSI/TIA/EIA-603-D** ☒ **ANSI C63.26-2015**
☒ **ANSI/TIA/EIA-603-E**

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: Nov. 04, 2021	 Date: Nov. 04, 2021

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1. Frequency Stability

1.1 GSM850

1.1.1 Test Result

Band: GSM850										
Network	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
GPRS	20	3.6	25.250	22.990	29.190	0.0306	0.0275	0.0344	-2.5 to 2.5	Pass
		4.0	30.220	26.760	28.510	0.0367	0.0320	0.0336	-2.5 to 2.5	Pass
		4.4	31.610	24.630	27.600	0.0384	0.0294	0.0325	-2.5 to 2.5	Pass
	-10	4.0	26.860	26.220	26.050	0.0326	0.0313	0.0307	-2.5 to 2.5	Pass
	0	4.0	31.870	27.600	30.350	0.0387	0.0330	0.0358	-2.5 to 2.5	Pass
	10	4.0	30.900	23.180	27.540	0.0375	0.0277	0.0324	-2.5 to 2.5	Pass
	30	4.0	28.400	25.540	30.380	0.0341	0.0305	0.0358	-2.5 to 2.5	Pass
	40	4.0	26.510	24.310	27.480	0.0322	0.0291	0.0324	-2.5 to 2.5	Pass
	50	4.0	25.930	24.960	26.540	0.0315	0.0298	0.0313	-2.5 to 2.5	Pass
EGPRS	20	3.6	29.990	33.840	26.830	0.0364	0.0404	0.0316	-2.5 to 2.5	Pass
		4.0	29.990	31.320	24.210	0.0364	0.0374	0.0285	-2.5 to 2.5	Pass
		4.4	28.700	37.230	25.280	0.0348	0.0445	0.0298	-2.5 to 2.5	Pass
	-10	4.0	26.800	32.800	27.890	0.0325	0.0392	0.0329	-2.5 to 2.5	Pass
	0	4.0	27.960	36.000	25.310	0.0339	0.0430	0.0298	-2.5 to 2.5	Pass
	10	4.0	27.280	34.290	27.440	0.0331	0.0410	0.0323	-2.5 to 2.5	Pass
	30	4.0	25.090	34.030	26.640	0.0304	0.0407	0.0314	-2.5 to 2.5	Pass
	40	4.0	27.960	38.610	26.760	0.0339	0.0462	0.0315	-2.5 to 2.5	Pass
	50	4.0	26.730	30.320	26.670	0.0324	0.0362	0.0314	-2.5 to 2.5	Pass

1.2 WCDMA_Band5

1.2.1 Test Result

WCDMA Band: 5										
Network	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
RMC	20	3.6	0.300	-0.260	-0.870	0.0004	-0.0003	-0.0010	-2.5 to 2.5	Pass
		4.0	0.340	-0.310	-0.940	0.0004	-0.0004	-0.0011	-2.5 to 2.5	Pass
		4.4	0.410	-0.340	-0.990	0.0005	-0.0004	-0.004.0	-2.5 to 2.5	Pass
	-10	4.0	0.830	-0.050	-1.360	0.0010	-0.0001	-0.0016	-2.5 to 2.5	Pass
	0	4.0	0.400	-0.610	-1.260	0.0005	-0.0007	-0.0015	-2.5 to 2.5	Pass
	10	4.0	0.410	-0.180	-1.130	0.0005	-0.0002	-0.0013	-2.5 to 2.5	Pass
	30	4.0	0.930	0.090	-0.840	0.0011	0.0001	-0.0010	-2.5 to 2.5	Pass
	40	4.0	0.510	-0.840	-1.030	0.0006	-0.0010	-0.004.0	-2.5 to 2.5	Pass
	50	4.0	0.630	-0.100	-0.820	0.0008	-0.0001	-0.0010	-2.5 to 2.5	Pass



1.3 LTE_Band 5

1.3.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	6	0	20	3.6	2.070	-1.990	1.290	0.0025	-0.0024	0.0015	-2.5 to 2.5	Pass
				4.0	-1.820	-4.220	1.850	-0.0022	-0.0050	0.0022	-2.5 to 2.5	Pass
				4.4	-1.970	1.620	-0.360	-0.0024	0.0019	-0.0004	-2.5 to 2.5	Pass
			-10	4.0	-1.040	-0.970	-1.930	-0.0013	-0.004.0	-0.0023	-2.5 to 2.5	Pass
			0	4.0	-0.570	2.150	0.370	-0.0007	0.0026	0.0004	-2.5 to 2.5	Pass
			10	4.0	-4.490	-3.290	-4.350	-0.0054	-0.0039	-0.0051	-2.5 to 2.5	Pass
			30	4.0	0.990	-0.340	-0.990	0.004.0	-0.0004	-0.004.0	-2.5 to 2.5	Pass
			40	4.0	-1.020	-2.260	0.510	-0.004.0	-0.0027	0.0006	-2.5 to 2.5	Pass
50	4.0	-0.820	-2.490	-3.130	-0.0010	-0.0030	-0.0037	-2.5 to 2.5	Pass			
16QAM	6	0	20	3.6	-4.810	-2.000	-1.870	-0.0058	-0.0024	-0.0022	-2.5 to 2.5	Pass
				4.0	-1.570	1.620	-1.330	-0.0019	0.0019	-0.0016	-2.5 to 2.5	Pass
				4.4	-0.210	-5.060	-4.610	-0.0003	-0.0060	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	1.920	-2.090	-0.690	0.0023	-0.0025	-0.0008	-2.5 to 2.5	Pass
			0	4.0	-1.260	-4.650	-4.590	-0.0015	-0.0056	-0.0054	-2.5 to 2.5	Pass
			10	4.0	-3.180	-4.080	-3.520	-0.0039	-0.0049	-0.0041	-2.5 to 2.5	Pass
			30	4.0	-1.020	-0.230	0.190	-0.004.0	-0.0003	0.0002	-2.5 to 2.5	Pass
			40	4.0	1.730	1.330	-4.780	0.0021	0.0016	-0.0056	-2.5 to 2.5	Pass
50	4.0	-2.200	2.050	-5.190	-0.0027	0.0025	-0.0061	-2.5 to 2.5	Pass			
64QAM	6	0	20	3.6	-3.660	-8.530	-10.740	-0.0044	-0.0102	-0.04.07	-2.5 to 2.5	Pass
				4.0	-1.290	-6.140	-2.470	-0.0016	-0.0073	-0.0029	-2.5 to 2.5	Pass
				4.4	-1.460	-2.990	-4.950	-0.0018	-0.0036	-0.0058	-2.5 to 2.5	Pass
			-10	4.0	-4.180	-2.430	-7.050	-0.0051	-0.0029	-0.0083	-2.5 to 2.5	Pass
			0	4.0	1.200	-2.230	-7.470	0.0015	-0.0027	-0.0088	-2.5 to 2.5	Pass
			10	4.0	-0.590	-5.610	-1.320	-0.0007	-0.0067	-0.0016	-2.5 to 2.5	Pass
			30	4.0	-2.220	2.070	-1.950	-0.0027	0.0025	-0.0023	-2.5 to 2.5	Pass
			40	4.0	-1.850	-1.720	-3.730	-0.0022	-0.0021	-0.0044	-2.5 to 2.5	Pass
50	4.0	-0.430	-4.650	-4.810	-0.0005	-0.0056	-0.0057	-2.5 to 2.5	Pass			
Band: 5 / Bandwidth: 3MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	15	0	20	3.6	0.560	-2.300	-1.630	0.0007	-0.0027	-0.0019	-2.5 to 2.5	Pass
				4.0	-4.220	1.460	3.290	-0.0051	0.0017	0.0039	-2.5 to 2.5	Pass
				4.4	3.180	2.050	1.630	0.0039	0.0025	0.0019	-2.5 to 2.5	Pass
			-10	4.0	2.030	-4.460	-3.650	0.0025	-0.0053	-0.0043	-2.5 to 2.5	Pass
			0	4.0	-1.770	-4.940	-1.340	-0.0021	-0.0059	-0.0016	-2.5 to 2.5	Pass
			10	4.0	-5.720	-2.880	-4.280	-0.0069	-0.0034	-0.0051	-2.5 to 2.5	Pass
			30	4.0	-4.210	-2.160	-3.330	-0.0051	-0.0026	-0.0039	-2.5 to 2.5	Pass
			40	4.0	-3.160	-2.990	-3.720	-0.0038	-0.0036	-0.0044	-2.5 to 2.5	Pass
50	4.0	0.310	1.590	1.820	0.0004	0.0019	0.0021	-2.5 to 2.5	Pass			
16QAM	15	0	20	3.6	1.630	1.890	-3.660	0.0020	0.0023	-0.0043	-2.5 to 2.5	Pass
				4.0	-3.730	-4.690	-1.060	-0.0045	-0.0056	-0.0013	-2.5 to 2.5	Pass
				4.4	0.110	-3.690	2.890	0.0001	-0.0044	0.0034	-2.5 to 2.5	Pass
			-10	4.0	-0.500	1.170	-1.160	-0.0006	0.0014	-0.0014	-2.5 to 2.5	Pass
			0	4.0	-0.490	-3.420	1.390	-0.0006	-0.0041	0.0016	-2.5 to 2.5	Pass



			10	4.0	1.650	3.560	-3.550	0.0020	0.0043	-0.0042	-2.5 to 2.5	Pass
			30	4.0	-3.830	-3.430	-2.430	-0.0046	-0.0041	-0.0029	-2.5 to 2.5	Pass
			40	4.0	-3.720	-1.560	-2.390	-0.0045	-0.0019	-0.0028	-2.5 to 2.5	Pass
			50	4.0	-1.4.00	-1.190	-2.450	-0.0014	-0.0014	-0.0029	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	-4.290	1.400	2.360	-0.0052	0.0017	0.0028	-2.5 to 2.5	Pass
				4.0	-2.730	2.220	0.820	-0.0033	0.0027	0.0010	-2.5 to 2.5	Pass
				4.4	1.060	3.190	-0.740	0.0013	0.0038	-0.0009	-2.5 to 2.5	Pass
			-10	4.0	-5.250	-2.570	-2.980	-0.0064	-0.0031	-0.0035	-2.5 to 2.5	Pass
			0	4.0	-0.410	-5.280	3.390	-0.0005	-0.0063	0.0040	-2.5 to 2.5	Pass
Band: 5 / Bandwidth: 5MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	25	0	20	3.6	1.260	1.920	-4.130	0.0015	0.0023	-0.0049	-2.5 to 2.5	Pass
				4.0	2.270	4.020	1.920	0.0027	0.0048	0.0023	-2.5 to 2.5	Pass
				4.4	-3.560	3.500	-3.300	-0.0043	0.0042	-0.0039	-2.5 to 2.5	Pass
			-10	4.0	-0.560	1.800	-5.010	-0.0007	0.0022	-0.0059	-2.5 to 2.5	Pass
			0	4.0	0.820	-3.080	1.460	0.0010	-0.0037	0.0017	-2.5 to 2.5	Pass
			10	4.0	-2.170	0.260	-5.450	-0.0026	0.0003	-0.0064	-2.5 to 2.5	Pass
			30	4.0	-0.530	-3.130	-0.100	-0.0006	-0.0037	-0.0001	-2.5 to 2.5	Pass
			40	4.0	-3.530	-1.170	-1.900	-0.0043	-0.0014	-0.0022	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	2.000	2.520	1.260	0.0024	0.0030	0.0015	-2.5 to 2.5	Pass
				4.0	-1.240	-4.220	-3.180	-0.0015	-0.0050	-0.0038	-2.5 to 2.5	Pass
				4.4	-3.860	-0.560	2.570	-0.0047	-0.0007	0.0030	-2.5 to 2.5	Pass
			-10	4.0	-1.800	-4.330	-2.960	-0.0022	-0.0052	-0.0035	-2.5 to 2.5	Pass
			0	4.0	-1.360	-3.790	-2.450	-0.0016	-0.0045	-0.0029	-2.5 to 2.5	Pass
			10	4.0	0.460	-4.320	-2.460	0.0006	-0.0052	-0.0029	-2.5 to 2.5	Pass
			30	4.0	1.460	-3.460	2.060	0.0018	-0.0041	0.0024	-2.5 to 2.5	Pass
			40	4.0	-1.500	-1.870	-2.700	-0.0018	-0.0022	-0.0032	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.930	-0.190	2.950	-0.0011	-0.0002	0.0035	-2.5 to 2.5	Pass
				4.0	-3.930	-0.940	0.490	-0.0048	-0.0011	0.0006	-2.5 to 2.5	Pass
				4.4	0.660	-2.960	-3.560	0.0008	-0.0035	-0.0042	-2.5 to 2.5	Pass
			-10	4.0	0.310	-4.020	2.570	0.0004	-0.0048	0.0030	-2.5 to 2.5	Pass
			0	4.0	-1.170	-1.130	-0.790	-0.0014	-0.0014	-0.0009	-2.5 to 2.5	Pass
			10	4.0	-1.540	-2.930	-1.140	-0.0019	-0.0035	-0.0013	-2.5 to 2.5	Pass
			30	4.0	-1.620	-4.420	-4.080	-0.0020	-0.0053	-0.0048	-2.5 to 2.5	Pass
			40	4.0	-2.520	-3.820	0.110	-0.0030	-0.0046	0.0001	-2.5 to 2.5	Pass
			50	4.0	-1.440	-2.020	2.190	-0.0017	-0.0024	0.0026	-2.5 to 2.5	Pass
Band: 5 / Bandwidth: 10MHz / NTNV												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	-5.310	-2.550	-2.190	-0.0064	-0.0030	-0.0026	-2.5 to 2.5	Pass
				4.0	-2.750	2.450	1.090	-0.0033	0.0029	0.0013	-2.5 to 2.5	Pass
				4.4	0.210	2.260	2.020	0.0003	0.0027	0.0024	-2.5 to 2.5	Pass
			-10	4.0	3.090	-0.240	-4.030	0.0037	-0.0003	-0.0048	-2.5 to 2.5	Pass
			0	4.0	0.140	-0.920	1.720	0.0002	-0.0011	0.0020	-2.5 to 2.5	Pass
			10	4.0	-1.670	-0.400	0.660	-0.0020	-0.0005	0.0008	-2.5 to 2.5	Pass
			30	4.0	-1.730	-1.500	0.190	-0.0021	-0.0018	0.0002	-2.5 to 2.5	Pass
			40	4.0	1.460	-2.390	1.560	0.0018	-0.0029	0.0018	-2.5 to 2.5	Pass
16QAM	50	0	20	4.0	-1.890	0.240	-2.390	-0.0023	0.0003	-0.0028	-2.5 to 2.5	Pass
				4.0	2.130	-4.420	-1.340	0.0026	-0.0053	-0.0016	-2.5 to 2.5	Pass
				4.4	-2.460	-4.220	2.330	-0.0030	-0.0050	0.0028	-2.5 to 2.5	Pass



			-10	4.0	0.660	-0.200	-4.790	0.0008	-0.0002	-0.0057	-2.5 to 2.5	Pass
			0	4.0	0.970	1.720	-0.440	0.004.0	0.0021	-0.0005	-2.5 to 2.5	Pass
			10	4.0	-2.570	-2.220	0.860	-0.0031	-0.0027	0.0010	-2.5 to 2.5	Pass
			30	4.0	-1.160	-1.960	-4.130	-0.0014	-0.0023	-0.0049	-2.5 to 2.5	Pass
			40	4.0	-0.490	3.460	-3.790	-0.0006	0.0041	-0.0045	-2.5 to 2.5	Pass
			50	4.0	-4.080	-0.660	-1.200	-0.0049	-0.0008	-0.0014	-2.5 to 2.5	Pass
			20	3.6	-0.800	-3.320	-2.650	-0.0010	-0.0040	-0.0031	-2.5 to 2.5	Pass
				4.0	-2.460	-1.500	-3.890	-0.0030	-0.0018	-0.0046	-2.5 to 2.5	Pass
				4.4	-3.600	-1.370	-4.980	-0.0043	-0.0016	-0.0059	-2.5 to 2.5	Pass
			-10	4.0	-3.250	-1.020	-2.520	-0.0039	-0.004.0	-0.0030	-2.5 to 2.5	Pass
64QAM	50	0	0	4.0	-1.760	-0.940	1.890	-0.0021	-0.0011	0.0022	-2.5 to 2.5	Pass
			10	4.0	1.000	-2.070	0.570	0.004.0	-0.0025	0.0007	-2.5 to 2.5	Pass
			30	4.0	-1.470	-2.230	-1.420	-0.0018	-0.0027	-0.0017	-2.5 to 2.5	Pass
			40	4.0	-0.830	-2.930	-2.520	-0.0010	-0.0035	-0.0030	-2.5 to 2.5	Pass
			50	4.0	-1.390	-2.550	-2.220	-0.0017	-0.0030	-0.0026	-2.5 to 2.5	Pass

1.4 LTE_Band 26

1.4.1 Test Result

Band: 26 / Bandwidth: 1.4MHz												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	6	0	20	3.6	2.130	0.930	-0.340	0.0026	0.0011	-0.0004	-2.5 to 2.5	Pass
				4.0	2.320	0.890	-2.230	0.0028	0.0011	-0.0026	-2.5 to 2.5	Pass
				4.4	1.340	1.540	-4.710	0.0016	0.0018	-0.0056	-2.5 to 2.5	Pass
			-10	4.0	2.630	2.730	-5.560	0.0032	0.0033	-0.0066	-2.5 to 2.5	Pass
			0	4.0	3.200	-4.360	-3.080	0.0039	-0.0052	-0.0036	-2.5 to 2.5	Pass
			10	4.0	-4.280	0.000	-4.520	-0.0052	0.0000	-0.0053	-2.5 to 2.5	Pass
			30	4.0	-3.600	2.060	-0.330	-0.0044	0.0025	-0.0004	-2.5 to 2.5	Pass
			40	4.0	-3.430	-2.630	-0.510	-0.0042	-0.0031	-0.0006	-2.5 to 2.5	Pass
50	4.0	-2.470	0.740	-2.550	-0.0030	0.0009	-0.0030	-2.5 to 2.5	Pass			
16QAM	6	0	20	3.6	2.780	-4.820	1.920	0.0034	-0.0058	0.0023	-2.5 to 2.5	Pass
				4.0	-3.360	-2.590	-4.150	-0.0041	-0.0031	-0.0049	-2.5 to 2.5	Pass
				4.4	-0.360	1.770	-1.070	-0.0004	0.0021	-0.0013	-2.5 to 2.5	Pass
			-10	4.0	-1.870	-4.490	1.370	-0.0023	-0.0054	0.0016	-2.5 to 2.5	Pass
			0	4.0	-5.560	-2.720	-2.220	-0.0067	-0.0033	-0.0026	-2.5 to 2.5	Pass
			10	4.0	-3.020	-0.500	-3.520	-0.0037	-0.0006	-0.0041	-2.5 to 2.5	Pass
			30	4.0	0.330	-0.130	-2.600	0.0004	-0.0002	-0.0031	-2.5 to 2.5	Pass
			40	4.0	-4.150	2.450	-1.620	-0.0050	0.0029	-0.0019	-2.5 to 2.5	Pass
50	4.0	-1.670	-0.530	-0.040	-0.0020	-0.0006	0.0000	-2.5 to 2.5	Pass			
64QAM	6	0	20	3.6	1.950	-1.820	3.090	0.0024	-0.0022	0.0036	-2.5 to 2.5	Pass
				4.0	-2.320	-1.950	3.050	-0.0028	-0.0023	0.0036	-2.5 to 2.5	Pass
				4.4	-0.290	-0.970	0.920	-0.0004	-0.004.0	0.0011	-2.5 to 2.5	Pass
			-10	4.0	-1.390	-4.890	-0.770	-0.0017	-0.0058	-0.0009	-2.5 to 2.5	Pass
			0	4.0	-5.060	-3.710	-1.520	-0.0061	-0.0044	-0.0018	-2.5 to 2.5	Pass
			10	4.0	1.070	-2.270	-2.050	0.0013	-0.0027	-0.0024	-2.5 to 2.5	Pass
			30	4.0	-2.390	-1.340	-1.430	-0.0029	-0.0016	-0.0017	-2.5 to 2.5	Pass
			40	4.0	-0.370	1.370	-1.330	-0.0004	0.0016	-0.0016	-2.5 to 2.5	Pass
50	4.0	-2.350	-4.780	-0.510	-0.0028	-0.0057	-0.0006	-2.5 to 2.5	Pass			
Band: 26 / Bandwidth: 3MHz												
Modulation	RB Allocation		Temp.	Voltage	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict

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	Size	Offset	(°C)	(VDC)	LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	15	0	20	3.6	-1.970	4.960	0.640	-0.0024	0.0059	0.0008	-2.5 to 2.5	Pass
				4.0	-4.520	-1.670	-0.010	-0.0055	-0.0020	0.0000	-2.5 to 2.5	Pass
				4.4	0.510	3.200	0.110	0.0006	0.0038	0.0001	-2.5 to 2.5	Pass
			-10	4.0	-3.550	-1.130	-1.360	-0.0043	-0.0014	-0.0016	-2.5 to 2.5	Pass
			0	4.0	3.420	1.870	3.290	0.0041	0.0022	0.0039	-2.5 to 2.5	Pass
			10	4.0	-1.660	-1.090	1.220	-0.0020	-0.0013	0.0014	-2.5 to 2.5	Pass
			30	4.0	3.320	2.330	-1.560	0.0040	0.0028	-0.0018	-2.5 to 2.5	Pass
			40	4.0	-1.500	-2.330	3.360	-0.0018	-0.0028	0.0040	-2.5 to 2.5	Pass
			50	4.0	-4.160	-3.090	2.230	-0.0050	-0.0037	0.0026	-2.5 to 2.5	Pass
16QAM	15	0	20	3.6	1.090	3.580	1.900	0.0013	0.0043	0.0022	-2.5 to 2.5	Pass
				4.0	3.290	-2.050	-3.000	0.0040	-0.0025	-0.0035	-2.5 to 2.5	Pass
				4.4	-4.210	-0.730	-0.930	-0.0051	-0.0009	-0.0011	-2.5 to 2.5	Pass
			-10	4.0	-2.400	2.570	0.430	-0.0026	0.0031	0.0005	-2.5 to 2.5	Pass
			0	4.0	-1.400	3.000	1.850	-0.0017	0.0036	0.0022	-2.5 to 2.5	Pass
			10	4.0	-1.400	3.190	4.400	-0.0014	0.0038	0.0049	-2.5 to 2.5	Pass
			30	4.0	-0.200	2.060	-1.290	-0.0002	0.0025	-0.0015	-2.5 to 2.5	Pass
			40	4.0	0.540	-2.320	-3.030	0.0007	-0.0028	-0.0036	-2.5 to 2.5	Pass
			50	4.0	1.960	-3.230	-0.470	0.0024	-0.0039	-0.0006	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	3.460	1.460	1.530	0.0042	0.0017	0.0018	-2.5 to 2.5	Pass
				4.0	2.530	0.590	-0.100	0.0031	0.0007	-0.0001	-2.5 to 2.5	Pass
				4.4	2.190	-0.800	-1.970	0.0027	-0.0010	-0.0023	-2.5 to 2.5	Pass
			-10	4.0	2.470	-3.500	-3.760	0.0030	-0.0042	-0.0044	-2.5 to 2.5	Pass
			0	4.0	3.380	-3.590	3.400	0.0041	-0.0043	0.0040	-2.5 to 2.5	Pass
			10	4.0	-3.250	-4.280	2.450	-0.0039	-0.0051	0.0029	-2.5 to 2.5	Pass
			30	4.0	-3.980	-0.760	1.020	-0.0048	-0.0009	0.0040	-2.5 to 2.5	Pass
			40	4.0	-1.830	2.760	-1.030	-0.0022	0.0033	-0.0040	-2.5 to 2.5	Pass
			50	4.0	1.160	1.700	-2.790	0.0014	0.0020	-0.0033	-2.5 to 2.5	Pass
Band: 26 / Bandwidth: 5MHz												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)			Verdict	
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		Limit
QPSK	25	0	20	3.6	-1.460	1.440	-0.840	-0.0018	0.0017	-0.0010	-2.5 to 2.5	Pass
				4.0	2.390	-3.760	1.300	0.0029	-0.0045	0.0015	-2.5 to 2.5	Pass
				4.4	-0.900	3.250	-4.820	-0.0011	0.0039	-0.0057	-2.5 to 2.5	Pass
			-10	4.0	-3.030	3.530	-1.670	-0.0037	0.0042	-0.0020	-2.5 to 2.5	Pass
			0	4.0	1.070	2.370	2.500	0.0013	0.0028	0.0030	-2.5 to 2.5	Pass
			10	4.0	-2.470	0.210	-2.260	-0.0030	0.0003	-0.0027	-2.5 to 2.5	Pass
			30	4.0	1.470	2.570	1.490	0.0018	0.0031	0.0018	-2.5 to 2.5	Pass
			40	4.0	-3.260	2.000	5.080	-0.0039	0.0024	0.0060	-2.5 to 2.5	Pass
			50	4.0	1.570	2.300	2.850	0.0019	0.0027	0.0034	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	0.490	1.650	-4.590	0.0006	0.0020	-0.0054	-2.5 to 2.5	Pass
				4.0	-1.730	2.160	-2.170	-0.0021	0.0026	-0.0026	-2.5 to 2.5	Pass
				4.4	-3.590	1.830	0.210	-0.0043	0.0022	0.0002	-2.5 to 2.5	Pass
			-10	4.0	-3.980	1.820	2.230	-0.0048	0.0022	0.0026	-2.5 to 2.5	Pass
			0	4.0	-2.980	1.960	-5.260	-0.0036	0.0023	-0.0062	-2.5 to 2.5	Pass
			10	4.0	0.190	-1.540	-4.060	0.0002	-0.0018	-0.0048	-2.5 to 2.5	Pass
			30	4.0	1.620	-2.500	-3.180	0.0020	-0.0030	-0.0038	-2.5 to 2.5	Pass
			40	4.0	-1.490	1.430	-3.090	-0.0018	0.0017	-0.0037	-2.5 to 2.5	Pass
			50	4.0	-3.350	-5.720	-1.390	-0.0041	-0.0068	-0.0016	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	2.680	-1.030	1.490	0.0032	-0.0040	0.0018	-2.5 to 2.5	Pass
				4.0	-1.430	-0.410	0.500	-0.0017	-0.0005	0.0006	-2.5 to 2.5	Pass
				4.4	1.590	-0.510	-1.400	0.0019	-0.0006	-0.0013	-2.5 to 2.5	Pass
			-10	4.0	-0.460	-1.400	-2.170	-0.0006	-0.0013	-0.0026	-2.5 to 2.5	Pass
			0	4.0	-4.260	-2.820	-2.160	-0.0052	-0.0034	-0.0026	-2.5 to 2.5	Pass



			10	4.0	0.730	-4.290	-2.270	0.0009	-0.0051	-0.0027	-2.5 to 2.5	Pass
			30	4.0	-3.500	2.520	-4.710	-0.0042	0.0030	-0.0056	-2.5 to 2.5	Pass
			40	4.0	1.270	2.130	1.860	0.0015	0.0025	0.0022	-2.5 to 2.5	Pass
			50	4.0	-0.870	-0.230	0.530	-0.0011	-0.0003	0.0006	-2.5 to 2.5	Pass
Band: 26 / Bandwidth: 10MHz												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	50	0	20	3.6	1.930	-4.580	-4.590	0.0023	-0.0055	-0.0054	-2.5 to 2.5	Pass
				4.0	1.290	-3.760	-5.010	0.0016	-0.0045	-0.0059	-2.5 to 2.5	Pass
				4.4	0.800	-3.830	-4.610	0.0010	-0.0046	-0.0055	-2.5 to 2.5	Pass
			-10	4.0	-2.300	-4.910	-0.030	-0.0028	-0.0059	0.0000	-2.5 to 2.5	Pass
			0	4.0	-3.750	-1.960	-3.230	-0.0045	-0.0023	-0.0038	-2.5 to 2.5	Pass
			10	4.0	-5.090	-4.400	-4.210	-0.0061	-0.0049	-0.0050	-2.5 to 2.5	Pass
			30	4.0	0.690	2.800	1.820	0.0008	0.0033	0.0022	-2.5 to 2.5	Pass
			40	4.0	0.640	2.760	-1.040	0.0008	0.0033	-0.0040	-2.5 to 2.5	Pass
			50	4.0	-1.470	1.670	-4.380	-0.0018	0.0020	-0.0052	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-3.890	-2.750	-3.760	-0.0047	-0.0033	-0.0045	-2.5 to 2.5	Pass
				4.0	-1.330	2.690	-1.270	-0.0016	0.0032	-0.0015	-2.5 to 2.5	Pass
				4.4	-0.690	1.950	0.730	-0.0008	0.0023	0.0009	-2.5 to 2.5	Pass
			-10	4.0	1.170	-0.440	1.820	0.0014	-0.0005	0.0022	-2.5 to 2.5	Pass
			0	4.0	-5.250	-1.300	2.260	-0.0063	-0.0016	0.0027	-2.5 to 2.5	Pass
			10	4.0	-1.200	-1.860	-4.230	-0.0014	-0.0022	-0.0050	-2.5 to 2.5	Pass
			30	4.0	0.270	-2.160	-2.990	0.0003	-0.0026	-0.0035	-2.5 to 2.5	Pass
			40	4.0	-2.320	-3.380	-2.130	-0.0028	-0.0040	-0.0025	-2.5 to 2.5	Pass
			50	4.0	1.420	-5.210	0.230	0.0017	-0.0062	0.0003	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	-1.820	-1.900	-0.770	-0.0022	-0.0023	-0.0009	-2.5 to 2.5	Pass
				4.0	-4.950	-2.100	-1.330	-0.0060	-0.0025	-0.0016	-2.5 to 2.5	Pass
				4.4	1.060	-1.720	-1.400	0.0013	-0.0021	-0.0017	-2.5 to 2.5	Pass
			-10	4.0	-3.160	-0.390	-1.970	-0.0038	-0.0005	-0.0023	-2.5 to 2.5	Pass
			0	4.0	3.710	0.820	-2.600	0.0045	0.0010	-0.0031	-2.5 to 2.5	Pass
			10	4.0	2.450	1.790	-3.660	0.0030	0.0021	-0.0043	-2.5 to 2.5	Pass
			30	4.0	-1.230	2.600	2.190	-0.0015	0.0031	0.0026	-2.5 to 2.5	Pass
			40	4.0	-3.820	1.430	2.490	-0.0046	0.0017	0.0030	-2.5 to 2.5	Pass
			50	4.0	-0.830	2.780	-4.260	-0.0010	0.0033	-0.0050	-2.5 to 2.5	Pass
Band: 26 / Bandwidth: 15MHz												
Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
QPSK	75	0	20	3.6	0.360	3.100	-1.460	0.0004	0.0037	-0.0017	-2.5 to 2.5	Pass
				4.0	-2.250	1.770	-1.890	-0.0027	0.0021	-0.0022	-2.5 to 2.5	Pass
				4.4	2.130	1.020	-0.840	0.0026	0.0040	-0.0010	-2.5 to 2.5	Pass
			-10	4.0	0.800	-0.270	2.500	0.0010	-0.0003	0.0030	-2.5 to 2.5	Pass
			0	4.0	-0.460	-0.190	1.490	-0.0006	-0.0002	0.0018	-2.5 to 2.5	Pass
			10	4.0	-4.060	-0.690	1.630	-0.0049	-0.0008	0.0019	-2.5 to 2.5	Pass
			30	4.0	-3.520	-2.920	3.360	-0.0042	-0.0035	0.0040	-2.5 to 2.5	Pass
			40	4.0	-4.650	-3.600	2.980	-0.0056	-0.0043	0.0035	-2.5 to 2.5	Pass
			50	4.0	-4.490	-3.820	0.440	-0.0054	-0.0046	0.0005	-2.5 to 2.5	Pass
16QAM	75	0	20	3.6	-0.640	0.190	-4.660	-0.0008	0.0002	-0.0055	-2.5 to 2.5	Pass
				4.0	1.270	1.260	-7.220	0.0015	0.0015	-0.0086	-2.5 to 2.5	Pass
				4.4	0.670	1.760	-5.660	0.0008	0.0021	-0.0067	-2.5 to 2.5	Pass
			-10	4.0	1.800	-2.600	-4.210	0.0022	-0.0031	-0.0050	-2.5 to 2.5	Pass
			0	4.0	1.320	-0.190	-4.950	0.0016	-0.0002	-0.0059	-2.5 to 2.5	Pass
			10	4.0	1.340	1.320	-0.060	0.0016	0.0016	-0.0001	-2.5 to 2.5	Pass
			30	4.0	0.740	-2.890	-3.920	0.0009	-0.0035	-0.0047	-2.5 to 2.5	Pass
			40	4.0	0.860	0.640	0.310	0.0010	0.0008	0.0004	-2.5 to 2.5	Pass



			50	4.0	1.750	1.850	-4.490	0.0021	0.0022	-0.0053	-2.5 to 2.5	Pass
64QAM	75	0	20	3.6	0.030	-0.720	2.990	0.0000	-0.0009	0.0036	-2.5 to 2.5	Pass
				4.0	-2.050	-1.390	-1.870	-0.0025	-0.0017	-0.0022	-2.5 to 2.5	Pass
				4.4	1.920	-3.400	-2.4.00	0.0023	-0.0041	-0.0025	-2.5 to 2.5	Pass
				-10	4.0	0.500	-4.290	-1.130	0.0006	-0.0051	-0.0013	-2.5 to 2.5
			0	4.0	-2.090	-4.230	-3.130	-0.0025	-0.0051	-0.0037	-2.5 to 2.5	Pass
			10	4.0	-4.680	-2.900	-1.340	-0.0056	-0.0035	-0.0016	-2.5 to 2.5	Pass
			30	4.0	-3.080	-1.830	3.220	-0.0037	-0.0022	0.0038	-2.5 to 2.5	Pass
			40	4.0	2.300	-0.390	1.670	0.0028	-0.0005	0.0020	-2.5 to 2.5	Pass
			50	4.0	1.600	-0.470	1.130	0.0019	-0.0006	0.0013	-2.5 to 2.5	Pass



2. 99% & 26dB Bandwidth

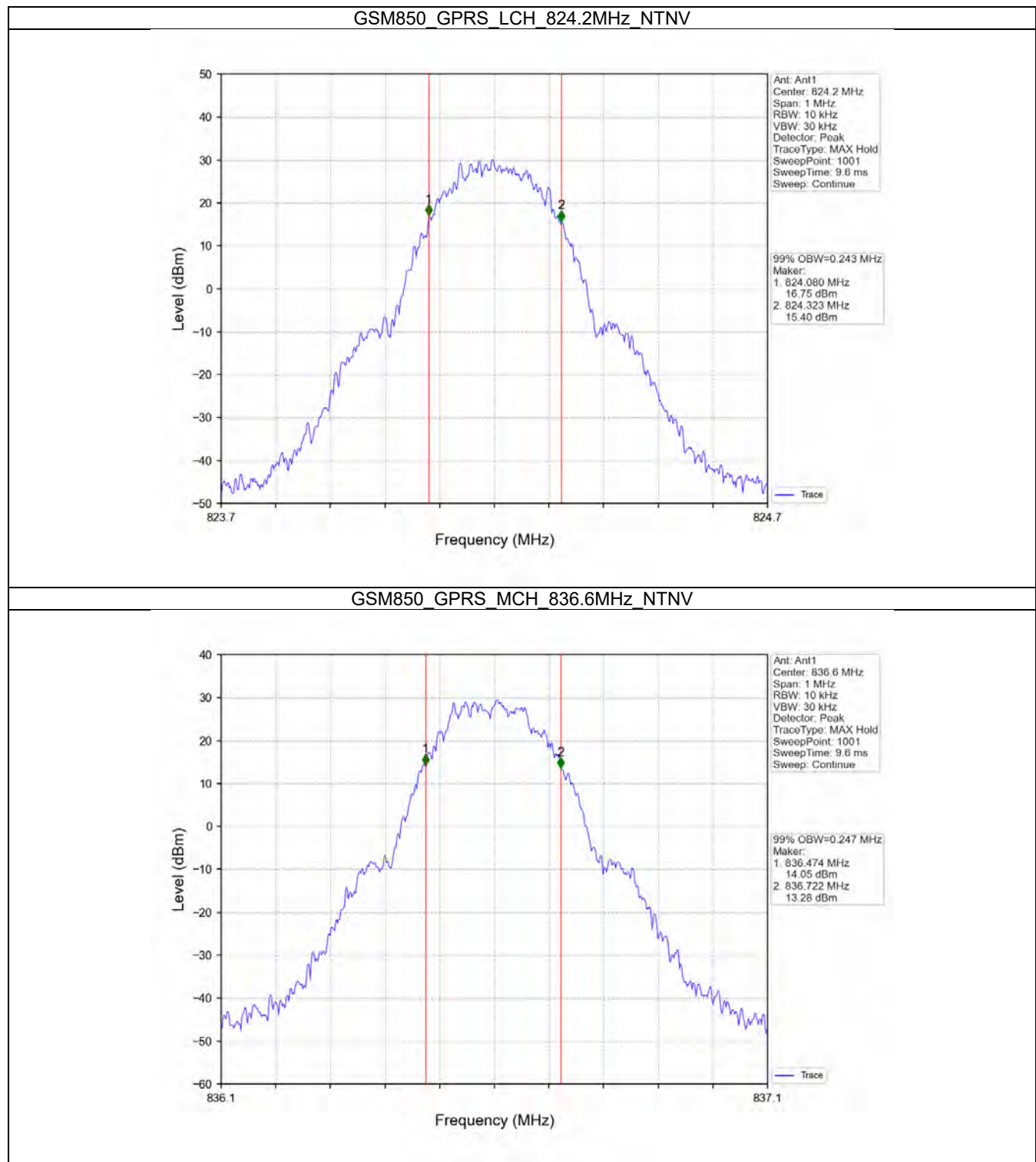
2.1 GSM850_OBW

2.1.1 Test Result

Band: GSM850							
ENV	Mode		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Network	Subset	LCH	MCH	HCH		
NTNV	GPRS	/	0.243	0.247	0.247	/	Pass
	EGPRS	/	0.229	0.245	0.232	/	Pass

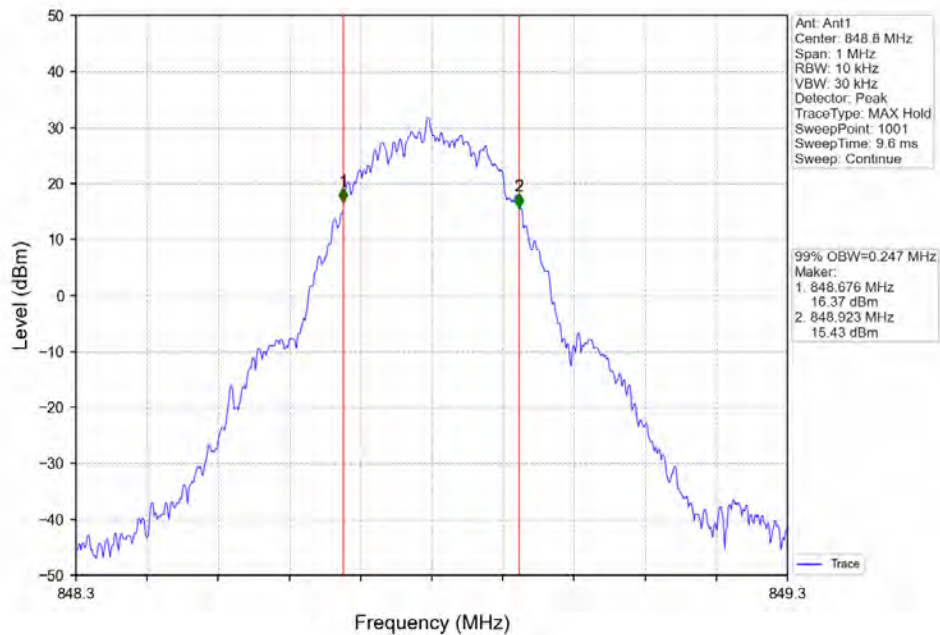


2.1.2 Test Graph

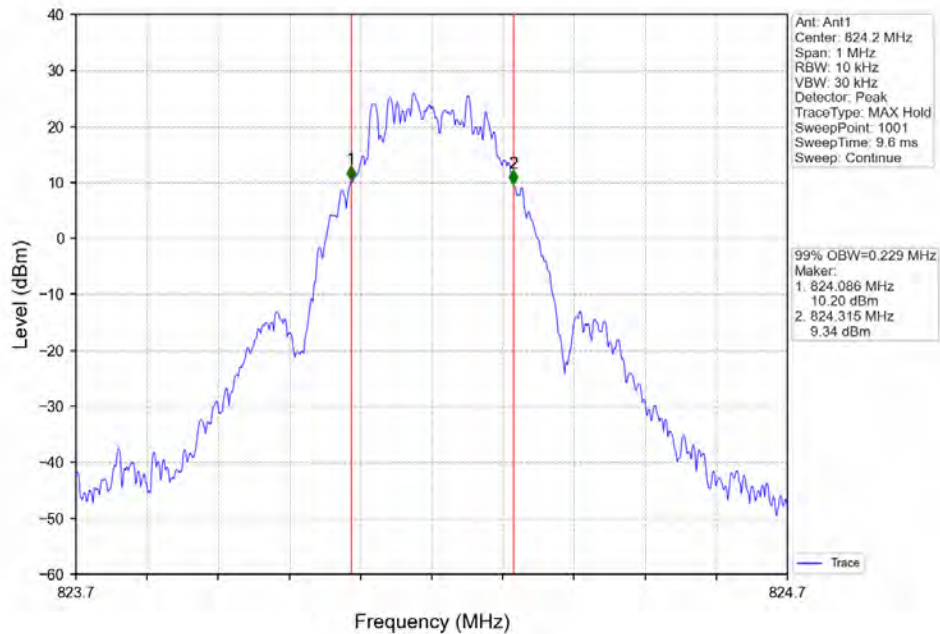




GSM850_GPRS_HCH_848.8MHz_NTNV

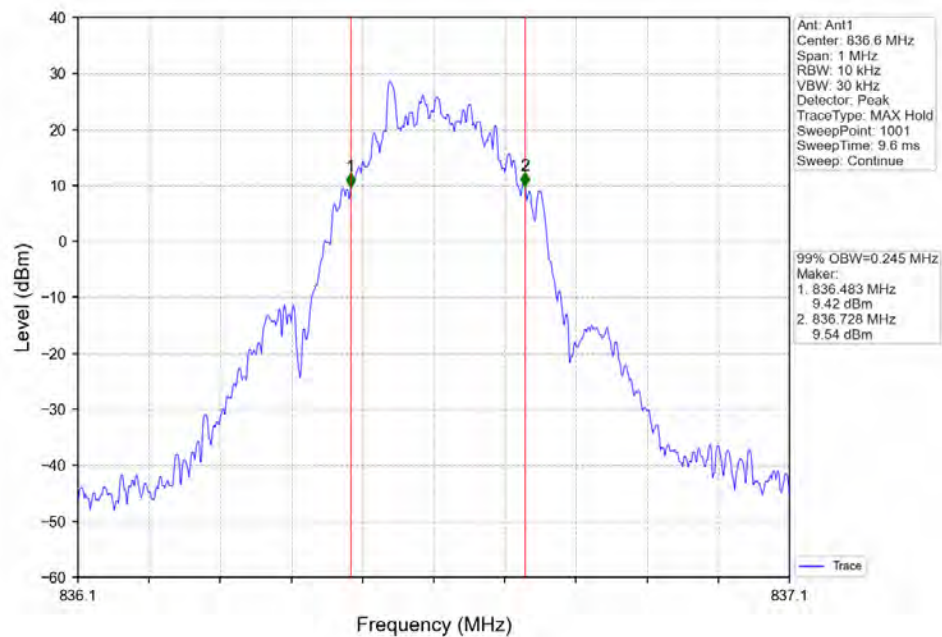


GSM850_EGPRS_LCH_824.2MHz_NTNV

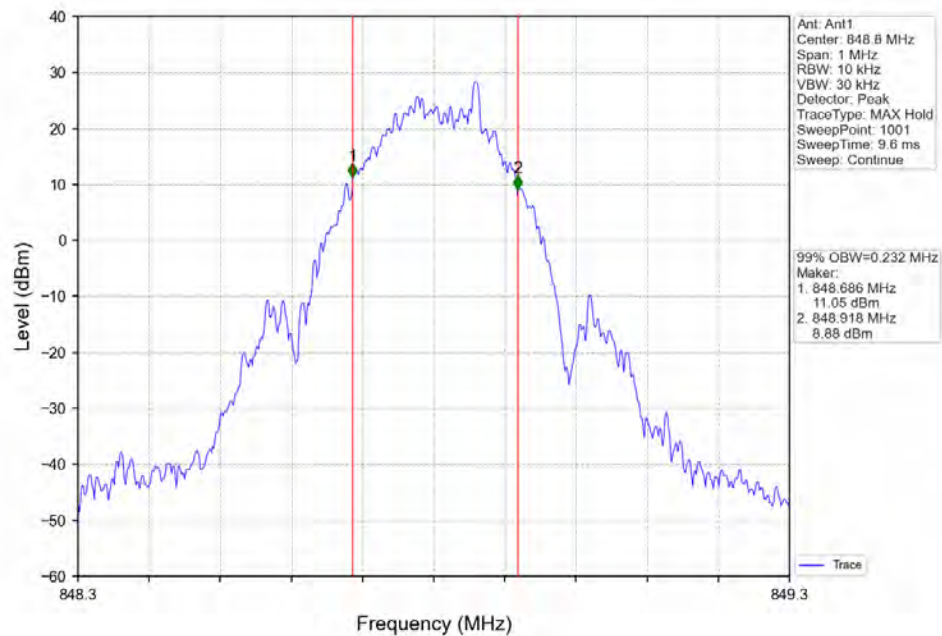




GSM850_EGPRS_MCH_836.6MHz_NTNV



GSM850_EGPRS_HCH_848.8MHz_NTNV





2.2 GSM850_26DB

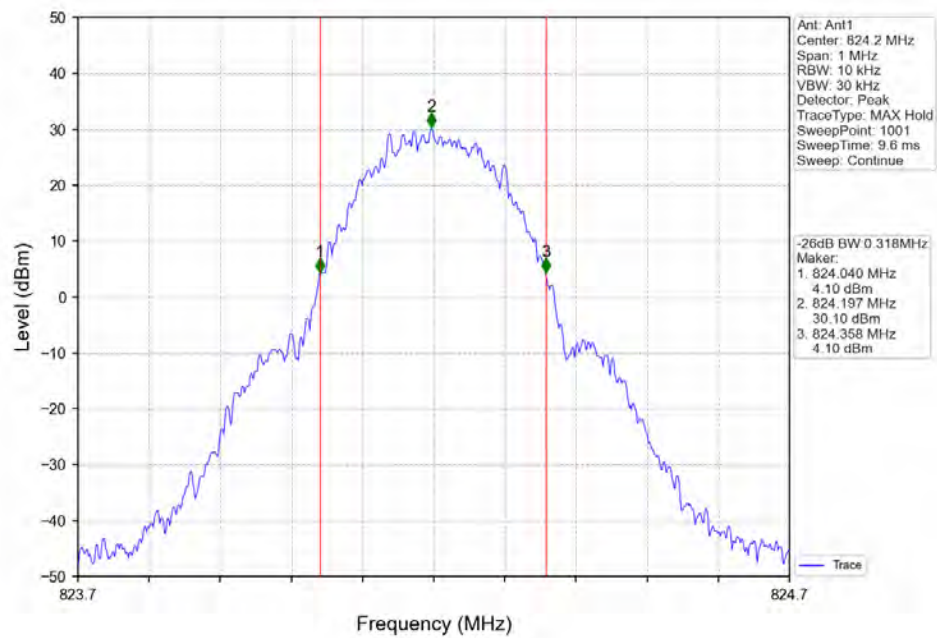
2.2.1 Test Result

Band: GSM850							
ENV	Mode		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Network	Subset	LCH	MCH	HCH		
NTNV	GPRS	/	0.318	0.320	0.314	/	Pass
	EGPRS	/	0.298	0.301	0.293	/	Pass

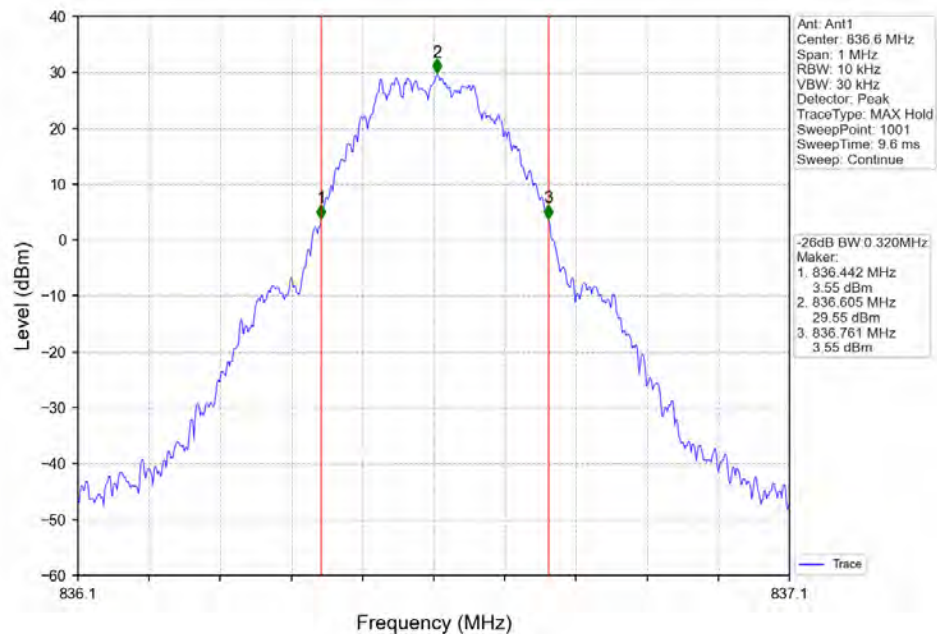


2.2.2 Test Graph

GSM850_GPRS_LCH_824.2MHz_NTNV

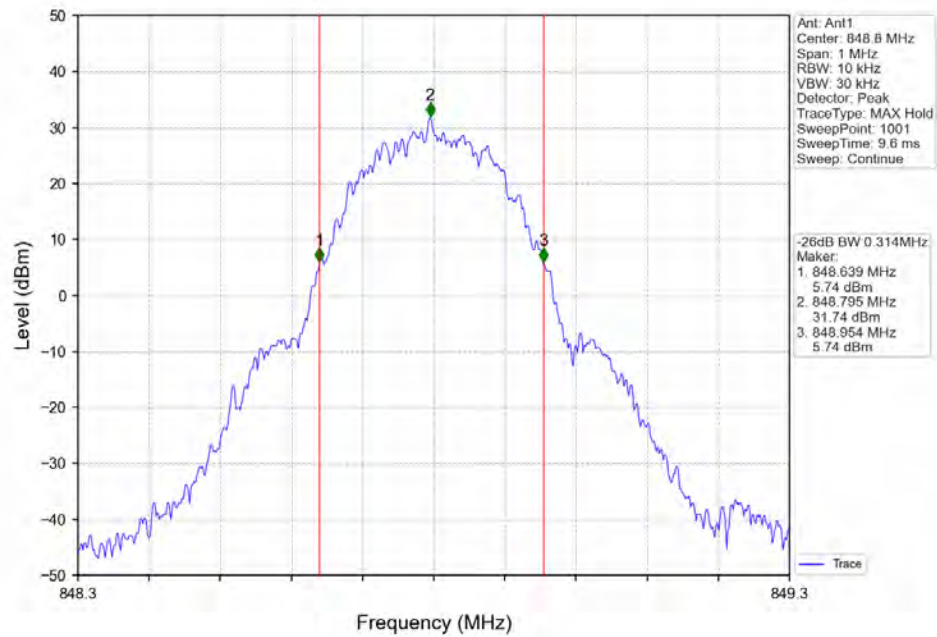


GSM850_GPRS_MCH_836.6MHz_NTNV

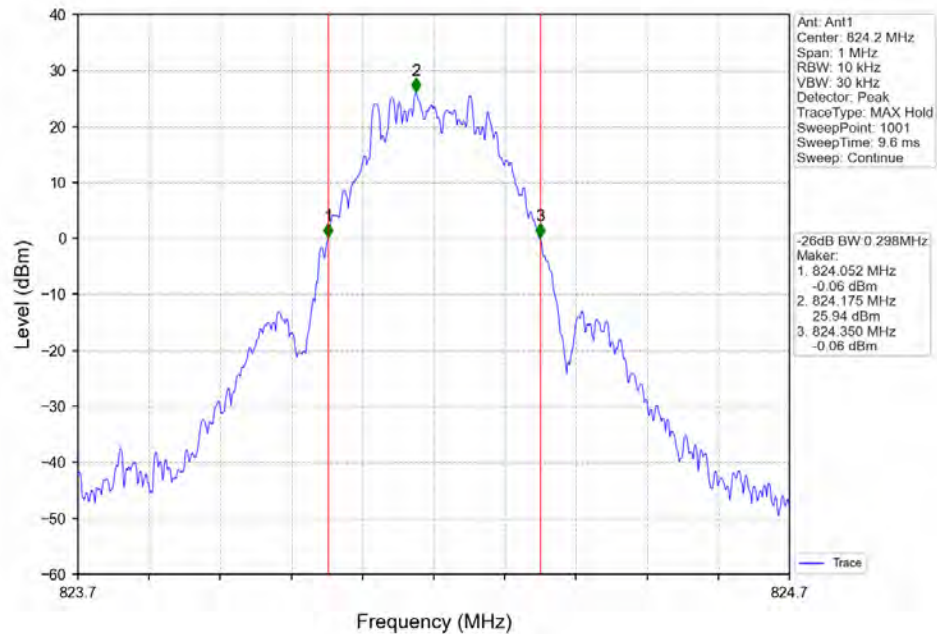




GSM850_GPRS_HCH_848.8MHz_NTNV

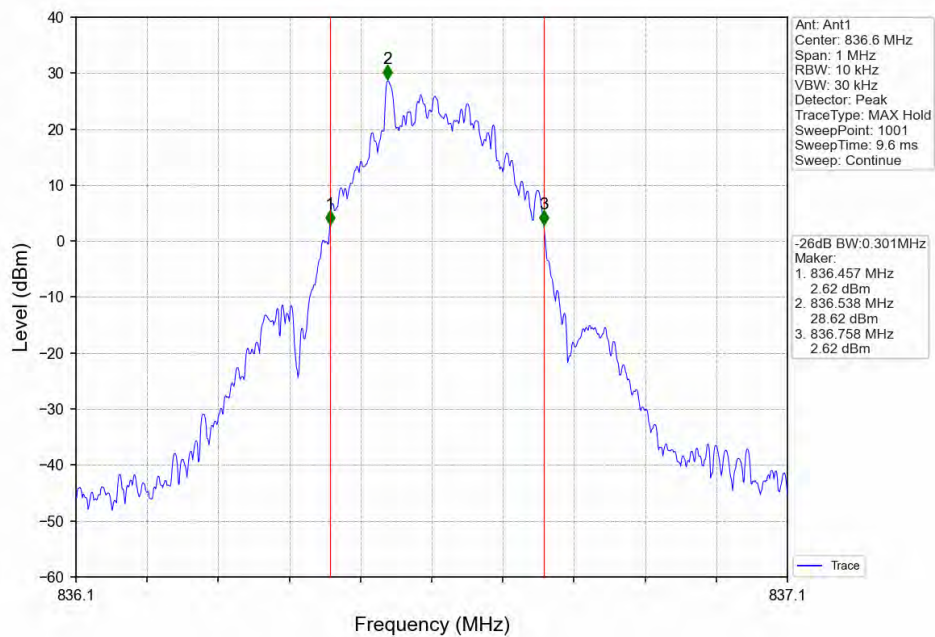


GSM850_EGPRS_LCH_824.2MHz_NTNV

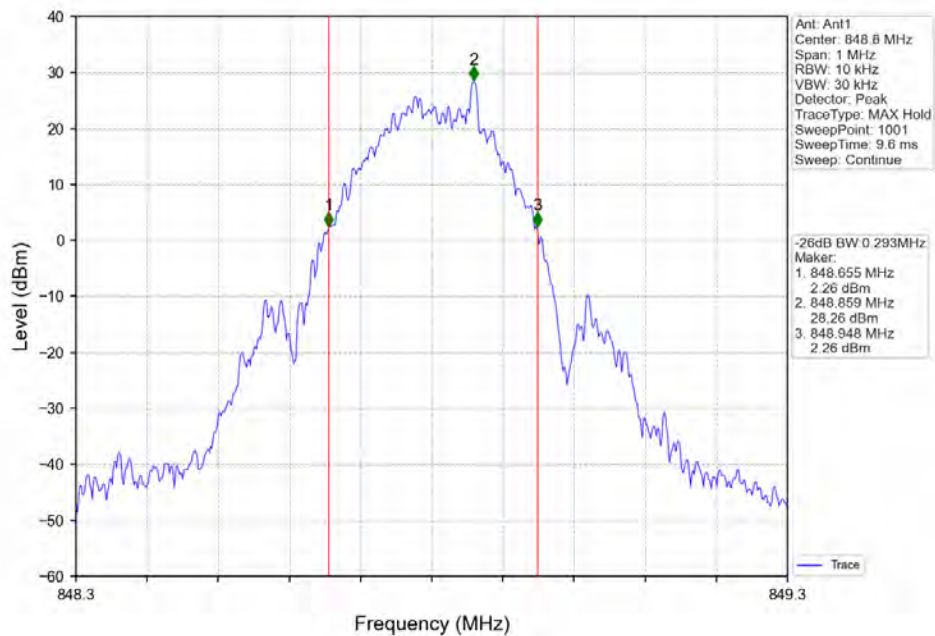




GSM850_EGPRS_MCH_836.6MHz_NTNV



GSM850_EGPRS_HCH_848.8MHz_NTNV





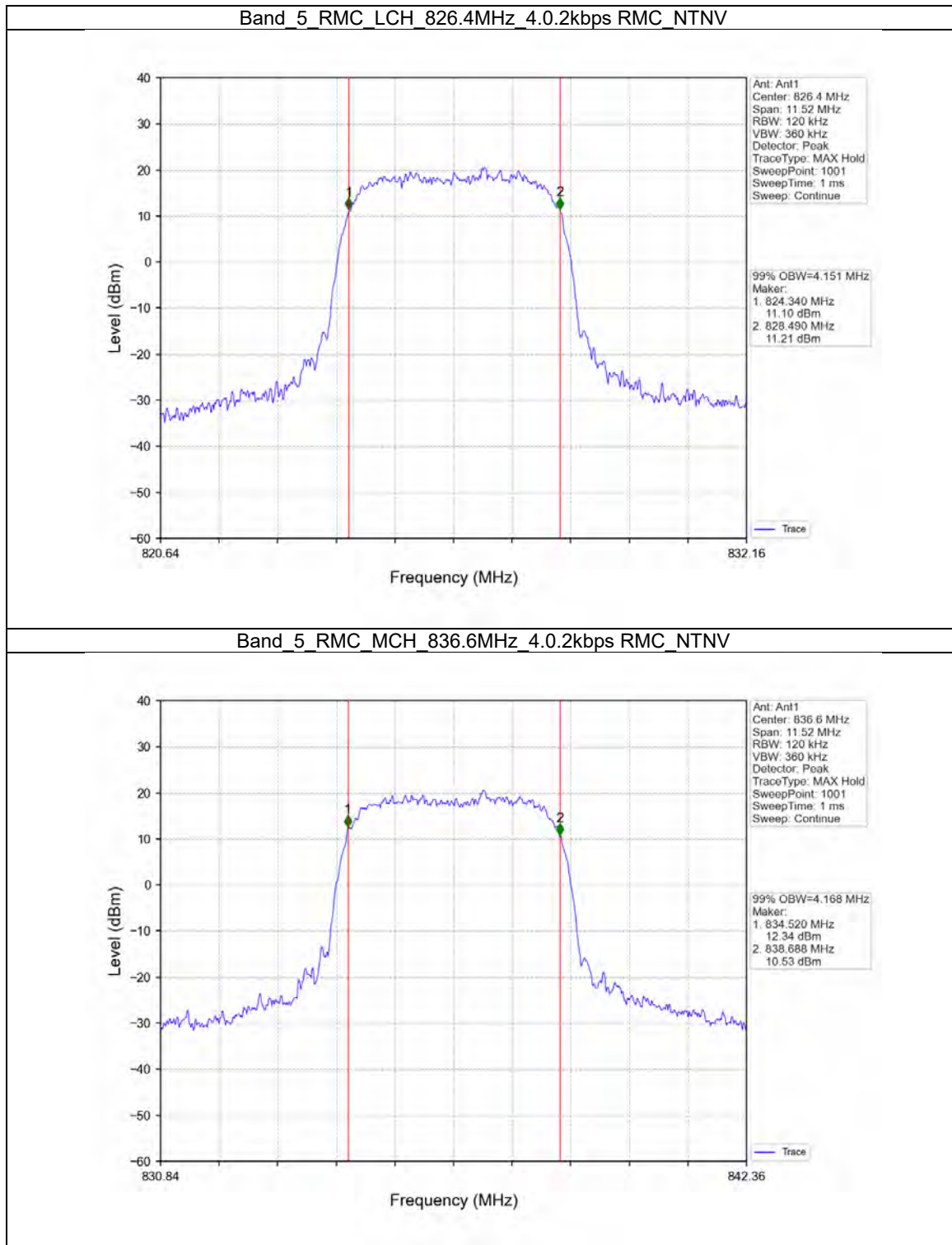
2.3 WCDMA_Band5_OBW

2.3.1 Test Result

Band: 5							
ENV	Mode		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Network	Subset	LCH	MCH	HCH		
NTNV	RMC	4.0.2kbps RMC	4.151	4.168	4.176	/	Pass

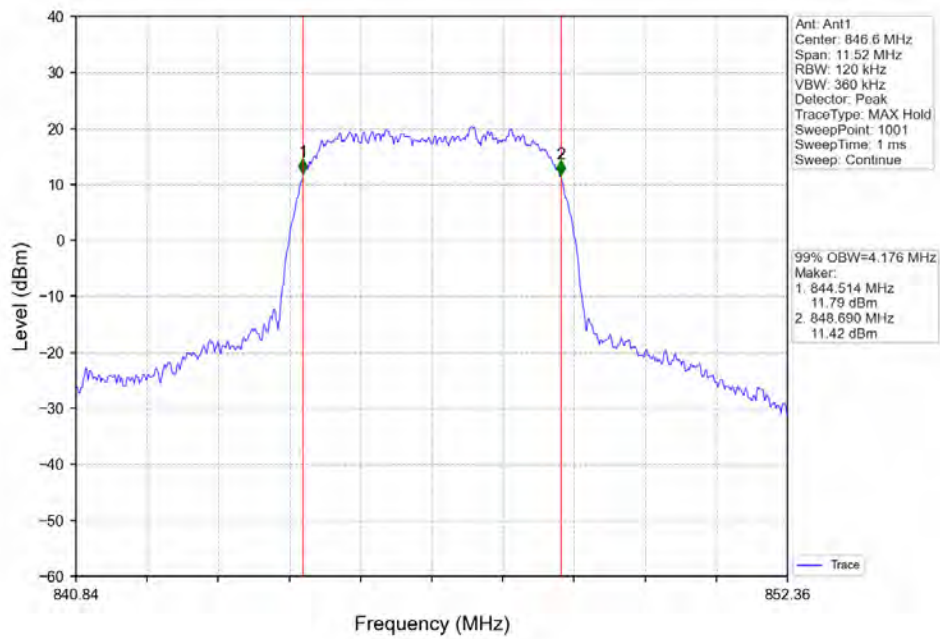


2.3.2 Test Graph





Band_5_RMC_HCH_846.6MHz_4.0.2kbps_RMC_NTNV





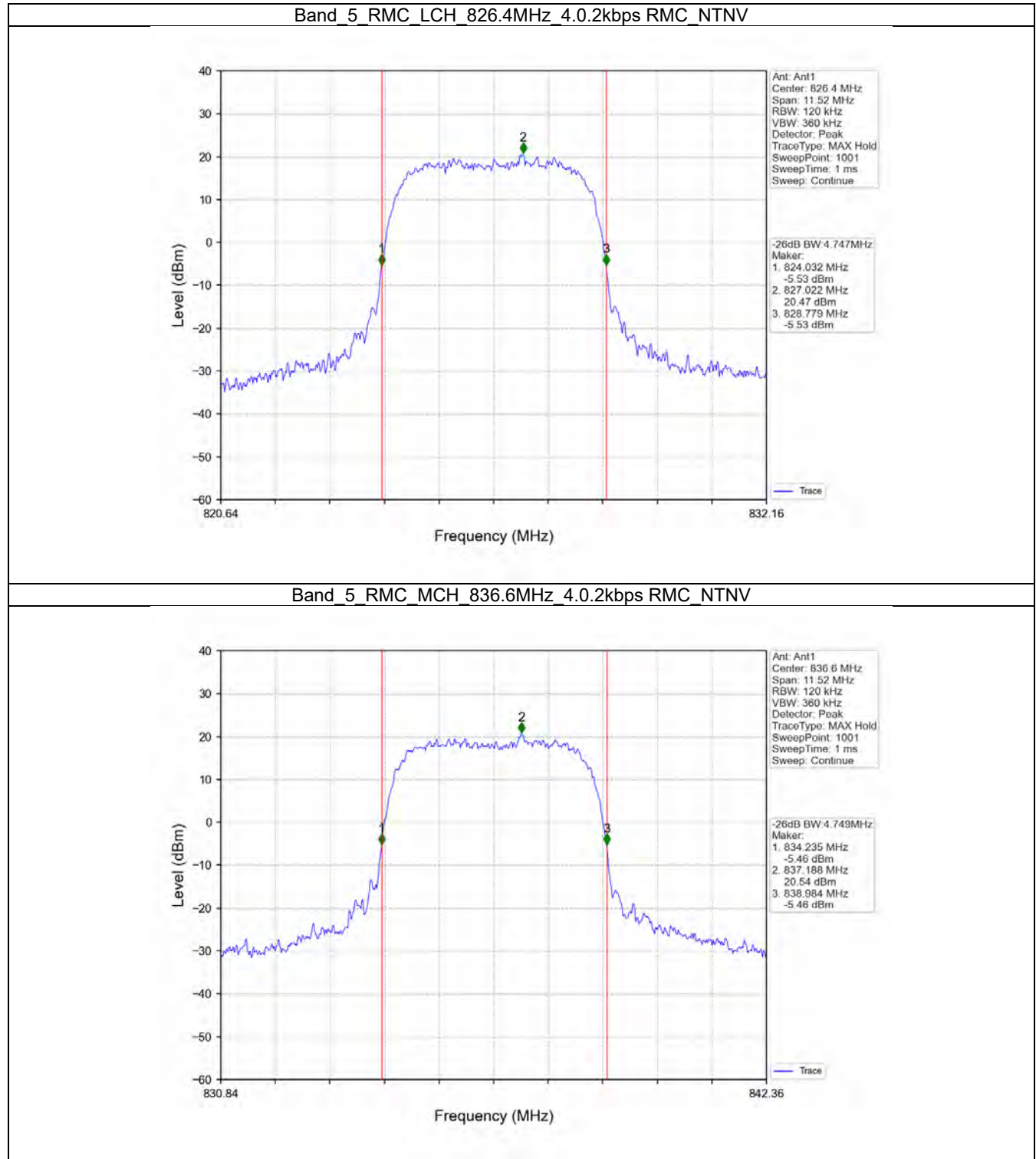
2.4 WCDMA_Band5_26DB

2.4.1 Test Result

Band: 5							
ENV	Mode		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Network	Subset	LCH	MCH	HCH		
NTNV	RMC	4.0.2kbps RMC	4.747	4.749	4.770	/	Pass



2.4.2 Test Graph



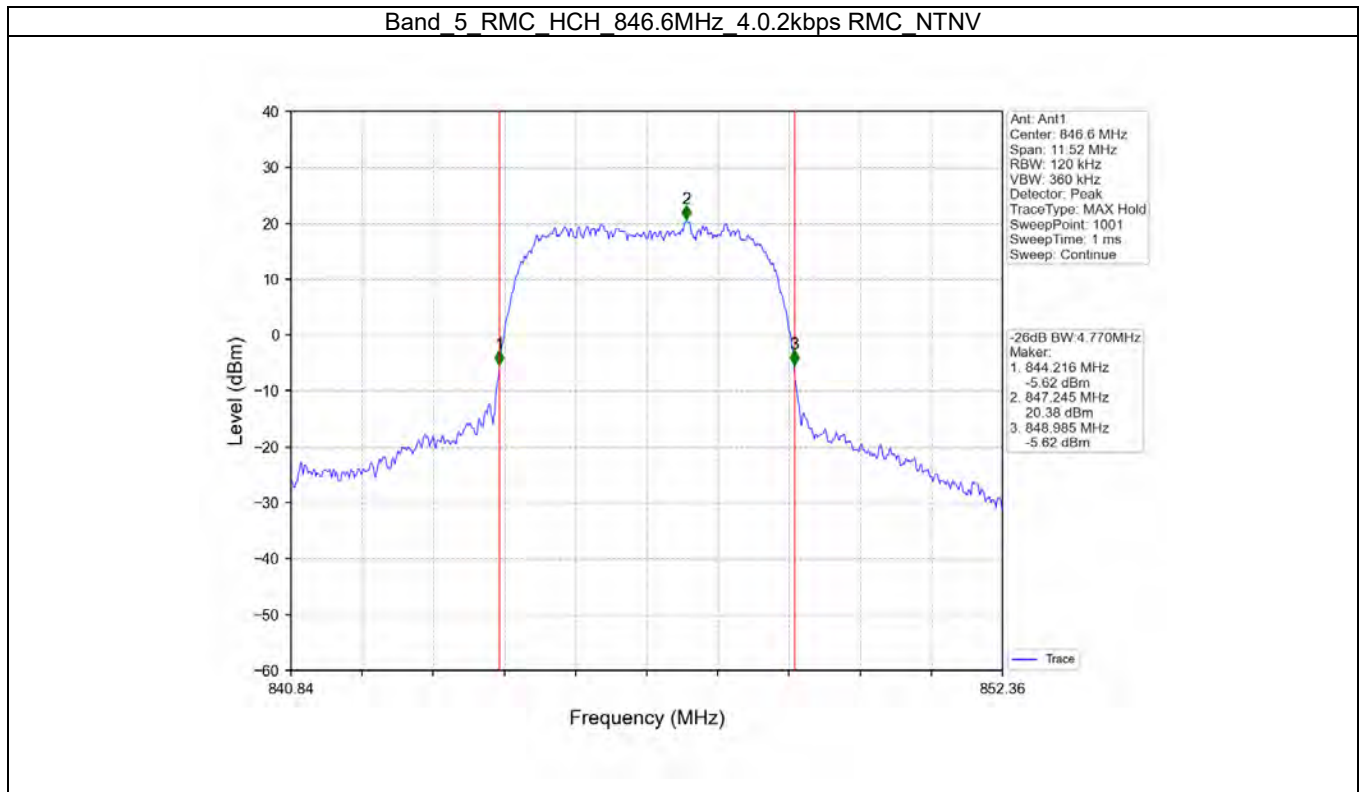
BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com





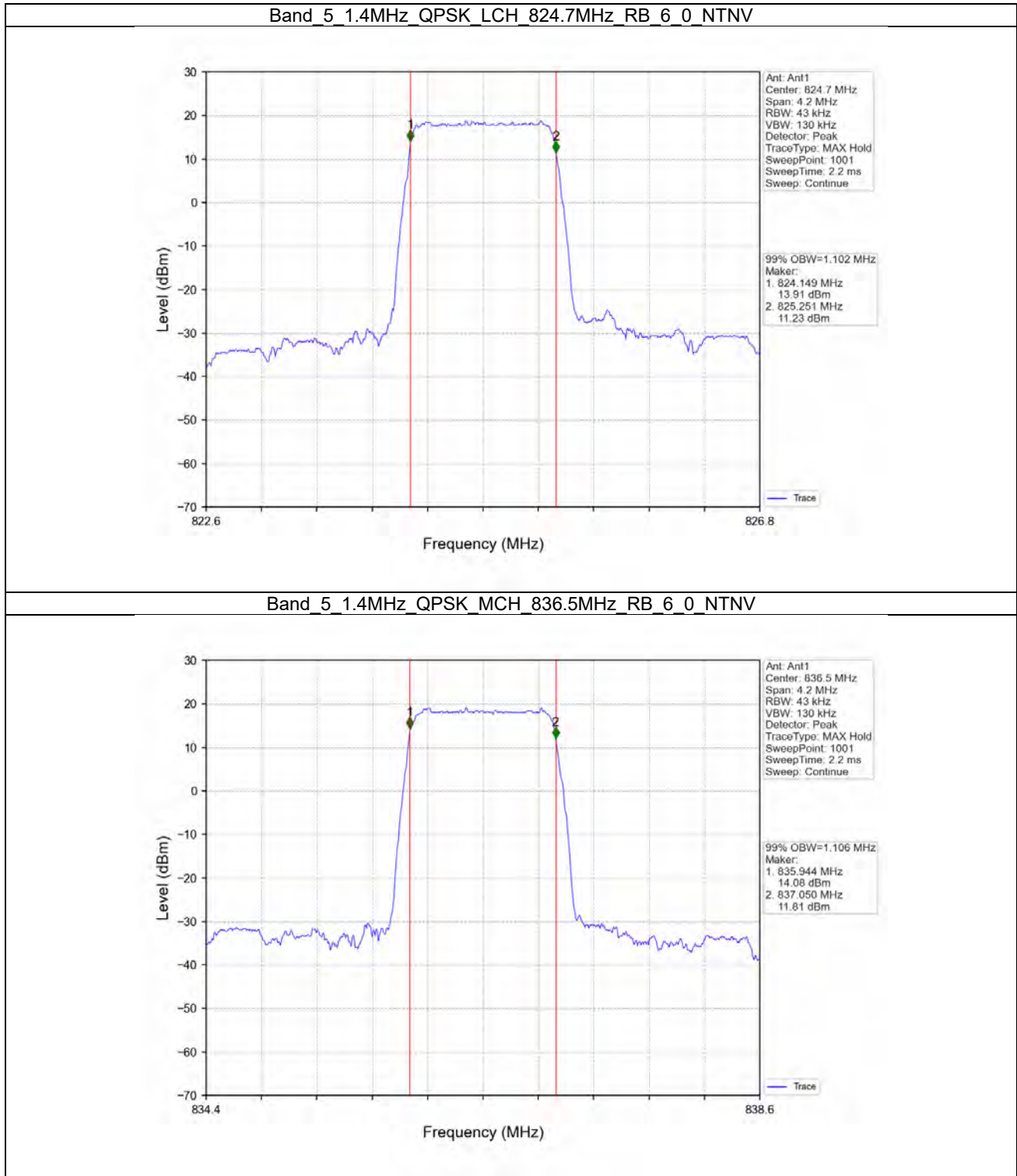
2.5 LTE Band 5_OBW

2.5.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.102	1.106	1.108	/	Pass
16QAM	6	0	1.104	1.110	1.110	/	Pass
64QAM	6	0	1.107	1.100	1.110	/	Pass
Band: 5 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.742	2.738	2.738	/	Pass
16QAM	15	0	2.753	2.737	2.739	/	Pass
64QAM	15	0	2.747	2.744	2.735	/	Pass
Band: 5 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.549	4.550	4.550	/	Pass
16QAM	25	0	4.532	4.551	4.569	/	Pass
64QAM	25	0	4.540	4.546	4.557	/	Pass
Band: 5 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.011	9.078	9.029	/	Pass
16QAM	50	0	9.043	9.046	9.024	/	Pass
64QAM	50	0	9.010	9.050	9.015	/	Pass

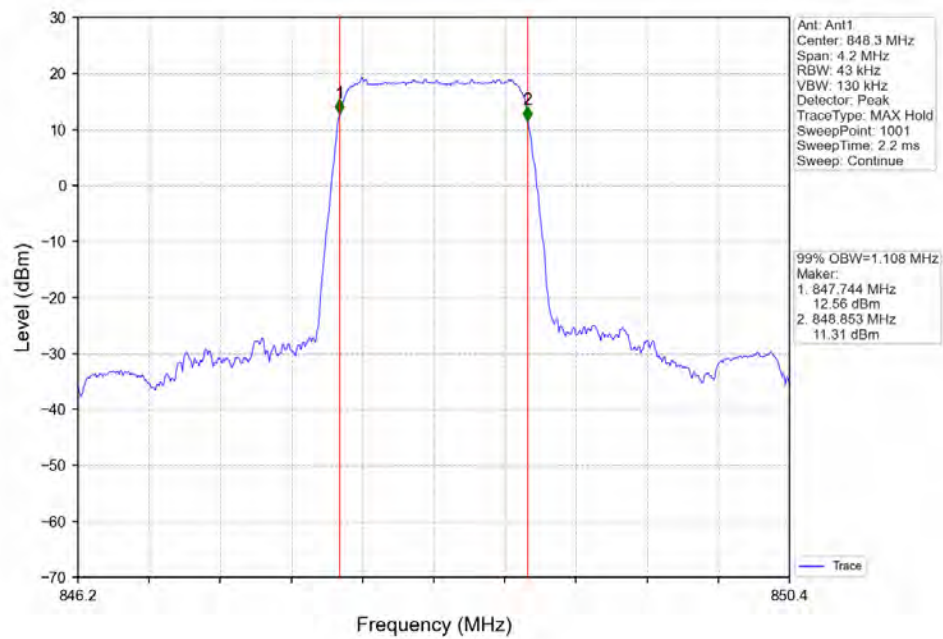


2.5.2 Test Graph

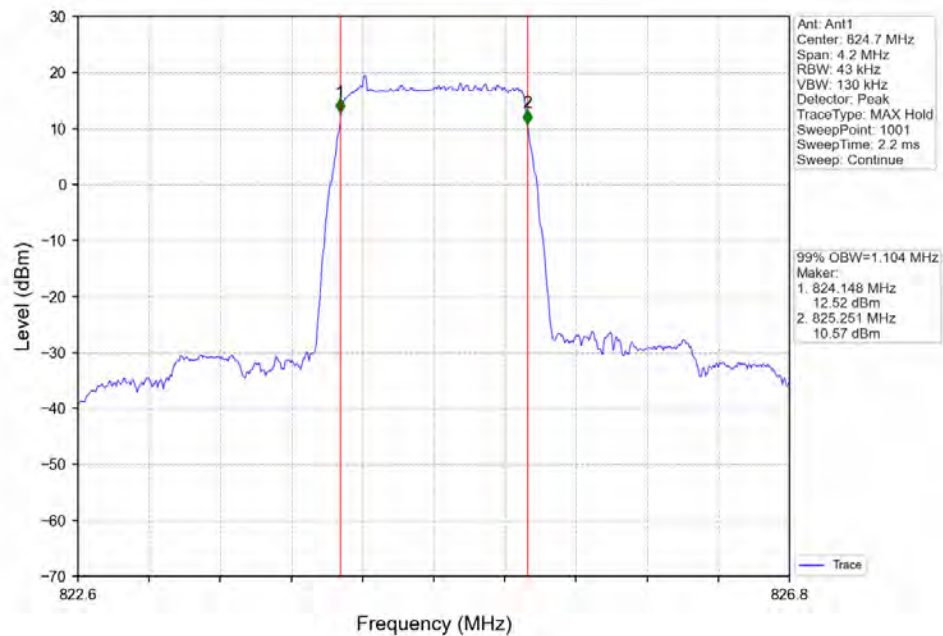




Band 5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

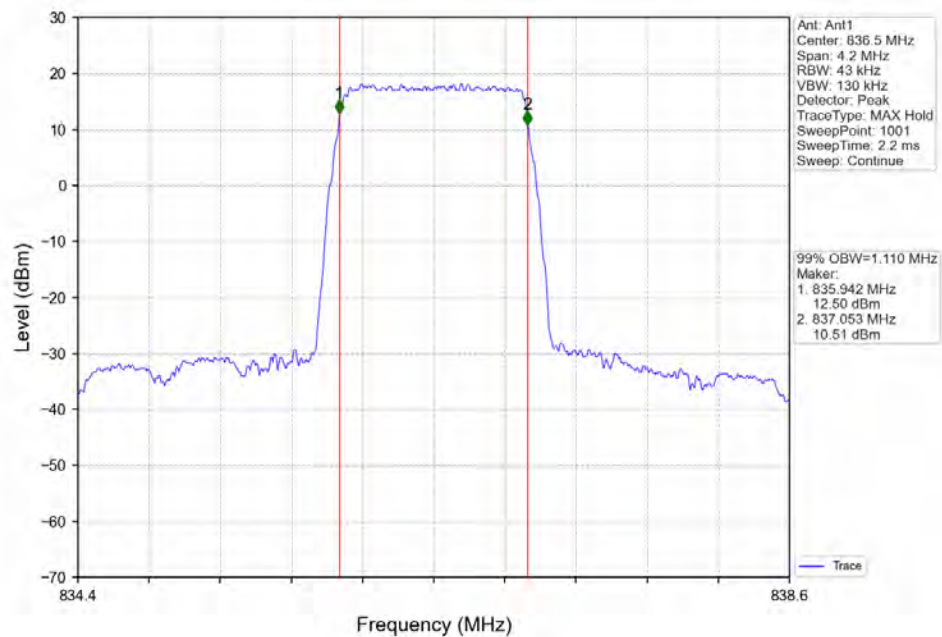


Band 5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

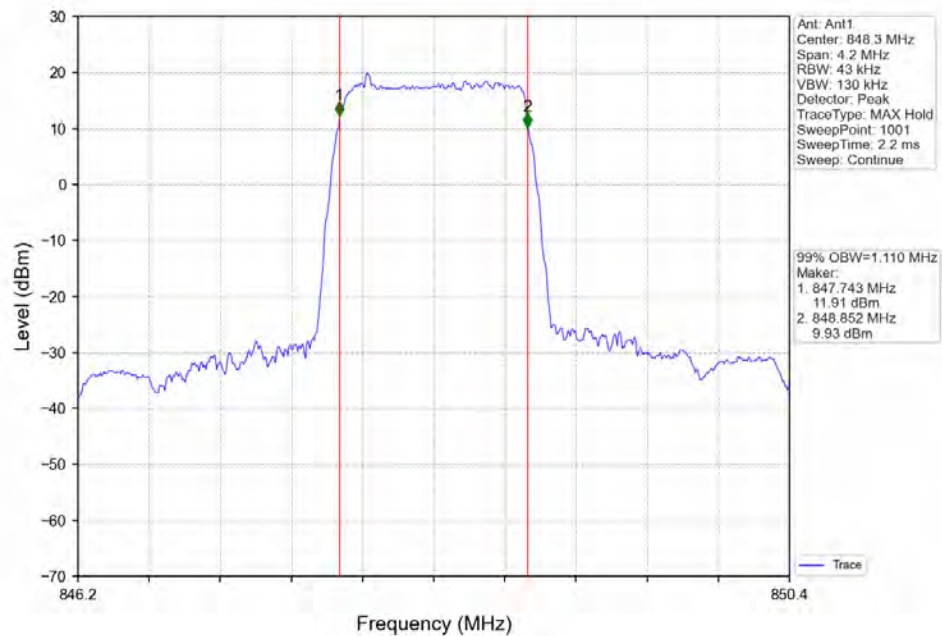




Band 5 1.4MHz 16QAM MCH 836.5MHz RB 6_0 NTNV

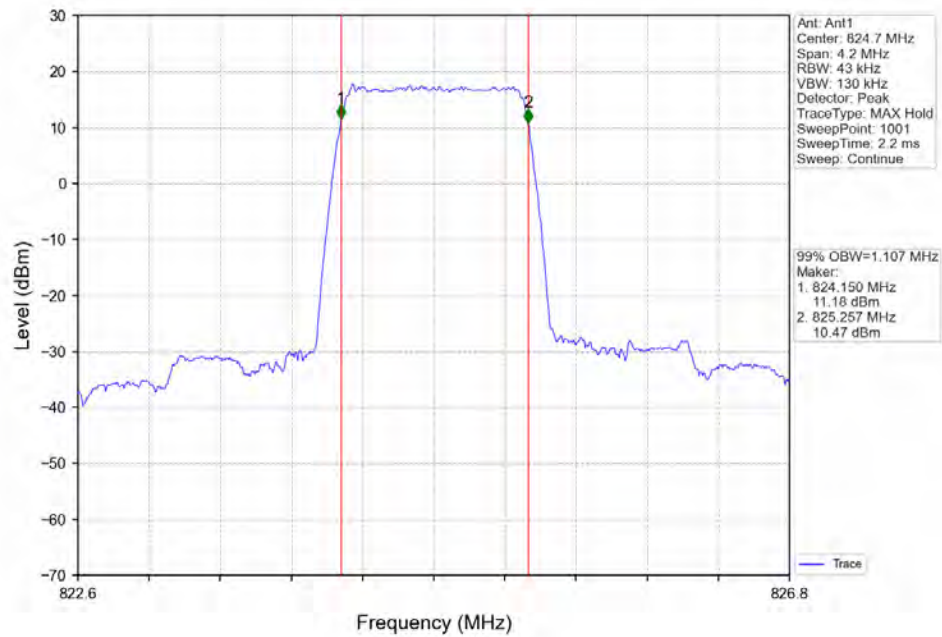


Band 5 1.4MHz 16QAM HCH 848.3MHz RB 6_0 NTNV

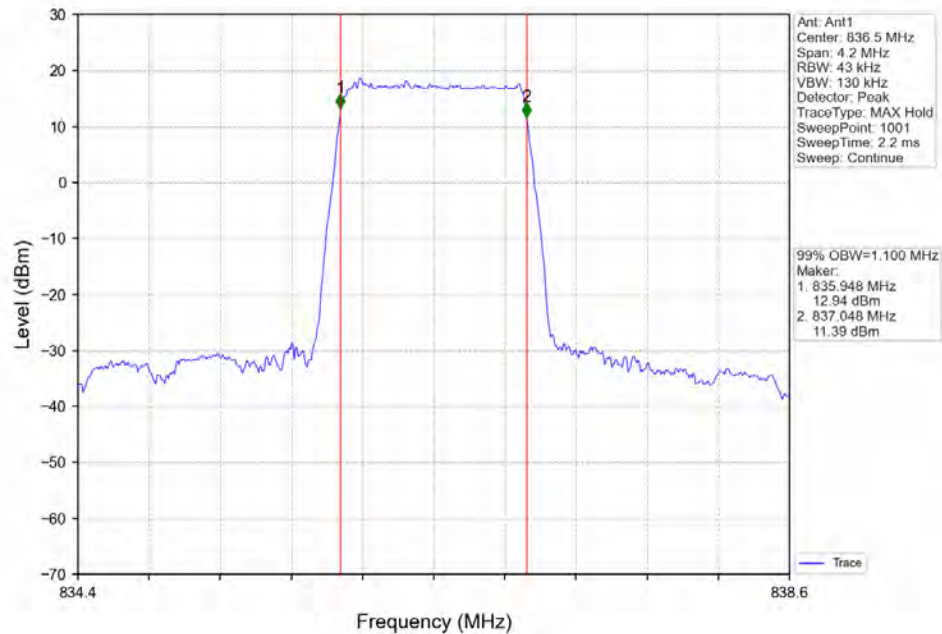


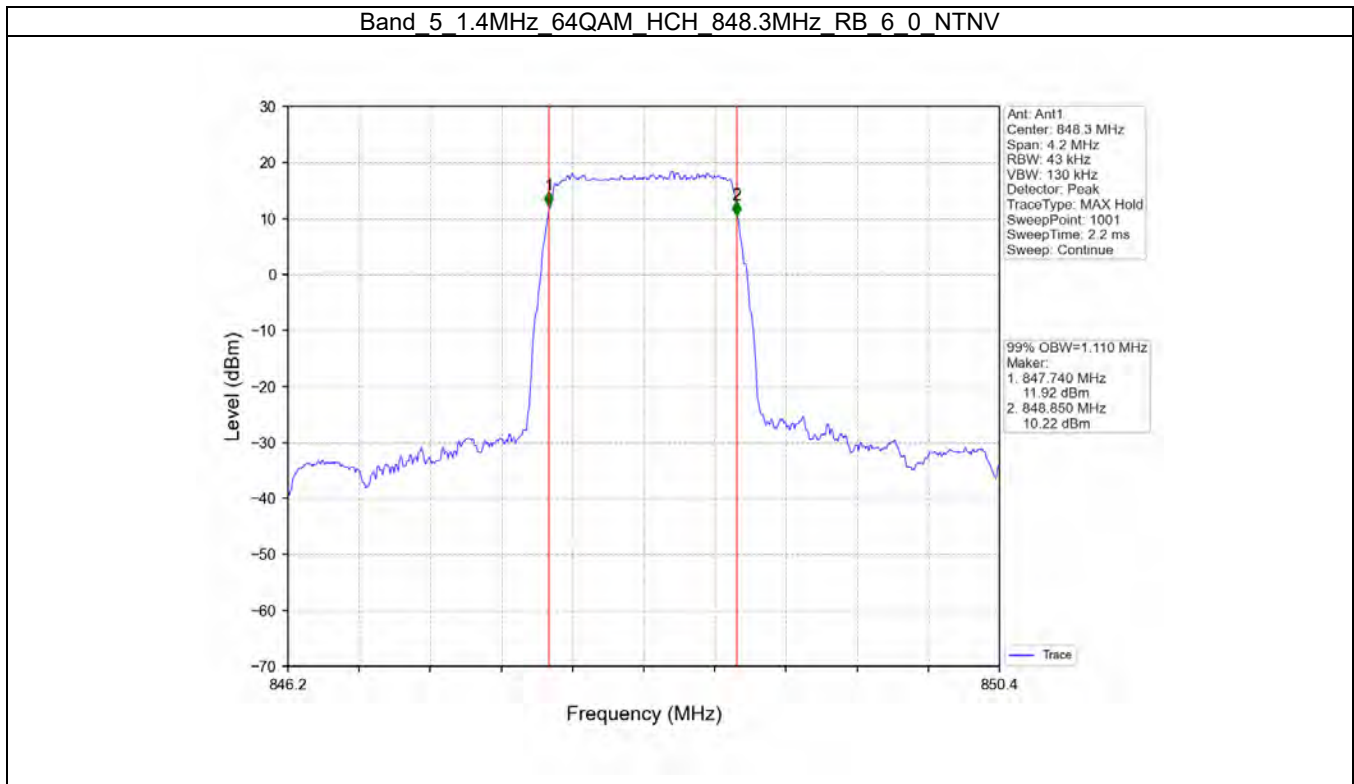


Band_5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



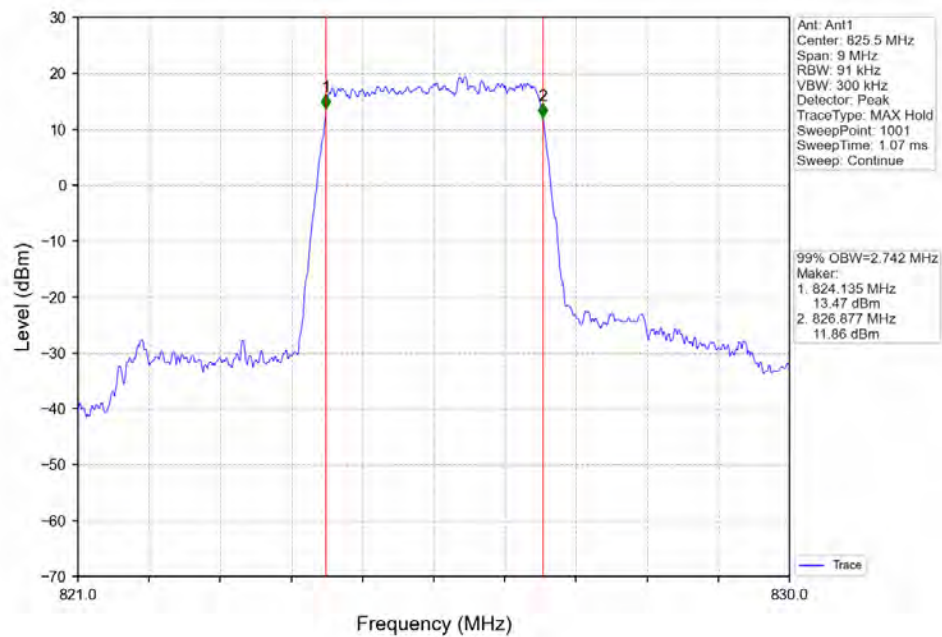
Band_5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



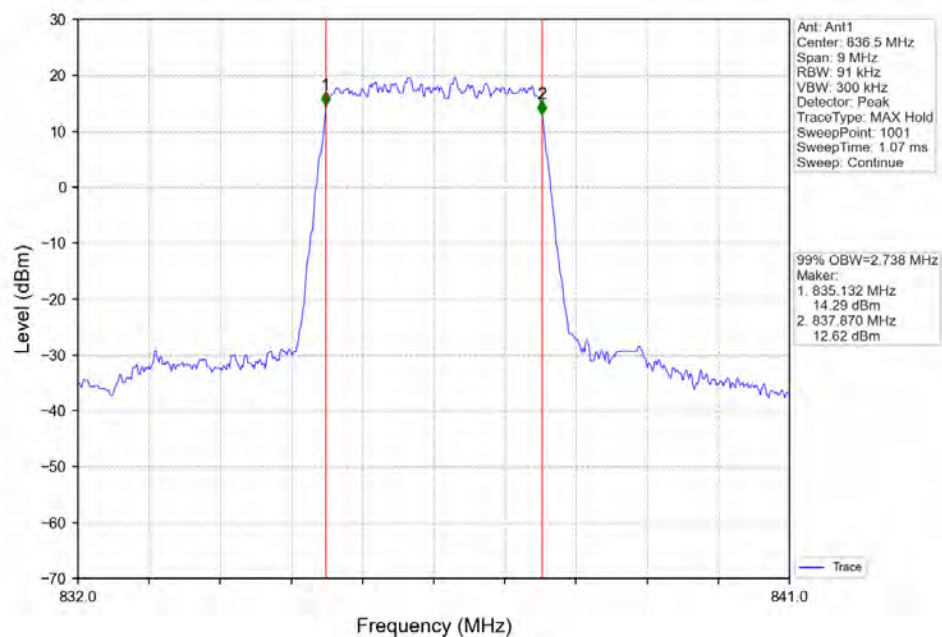




Band 5 3MHz QPSK LCH 825.5MHz RB 15_0 NTNV

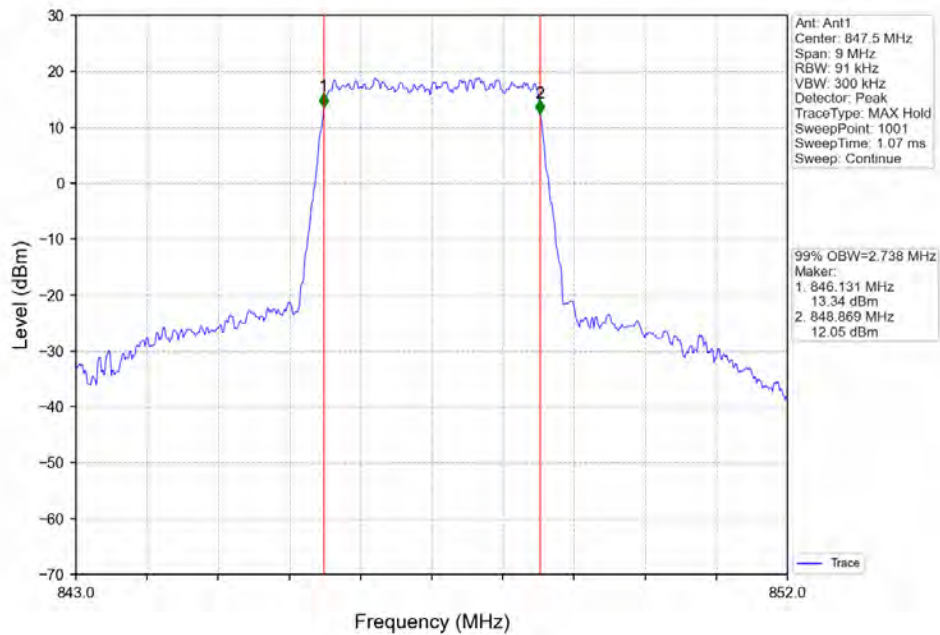


Band 5 3MHz QPSK MCH 836.5MHz RB 15_0 NTNV

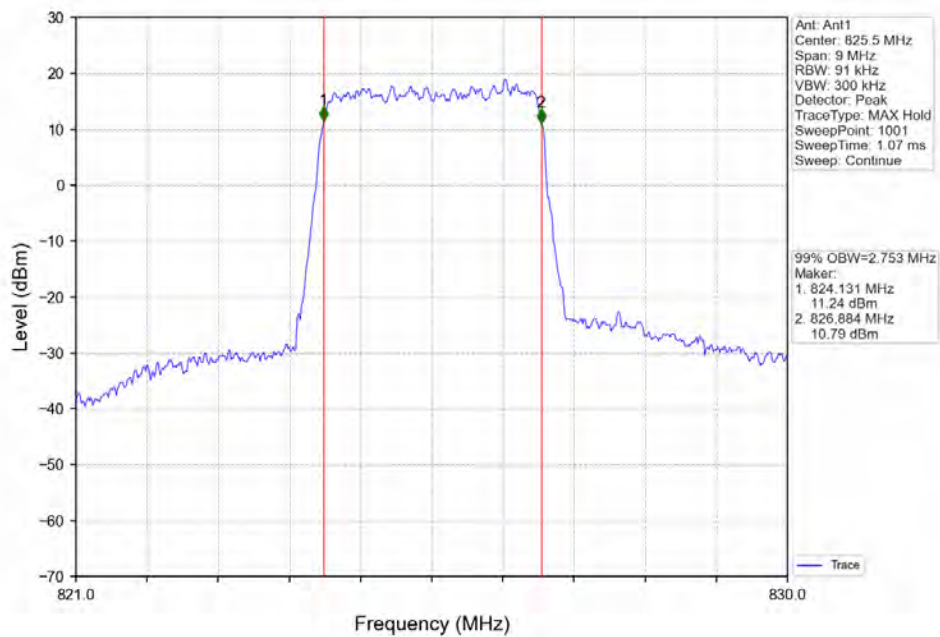




Band 5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV

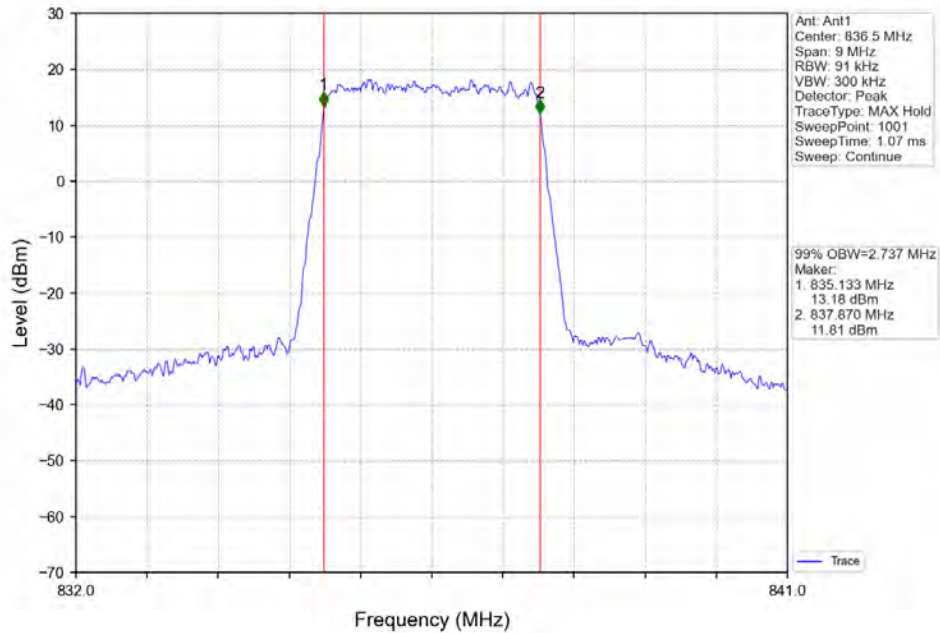


Band 5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

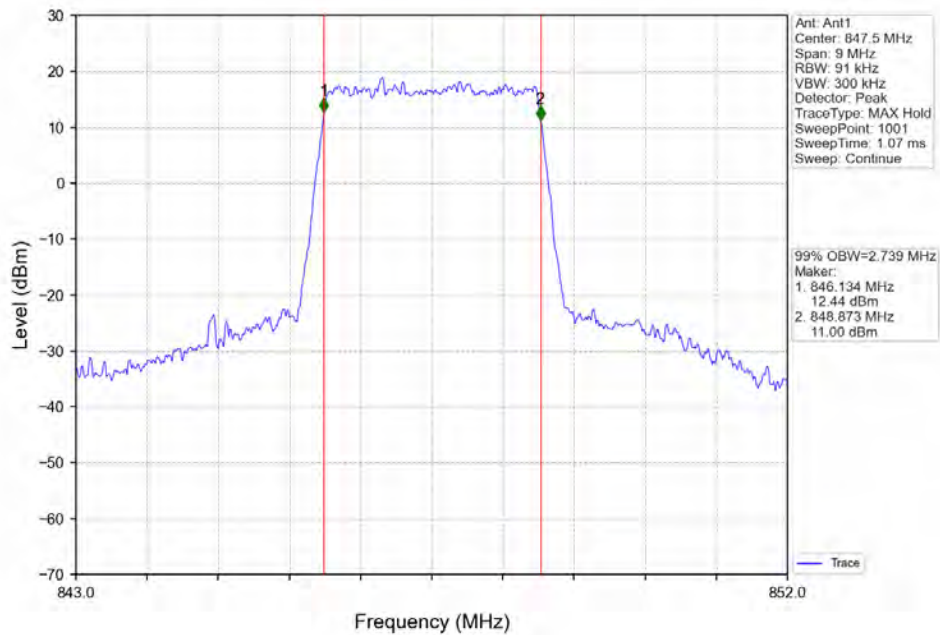




Band_5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

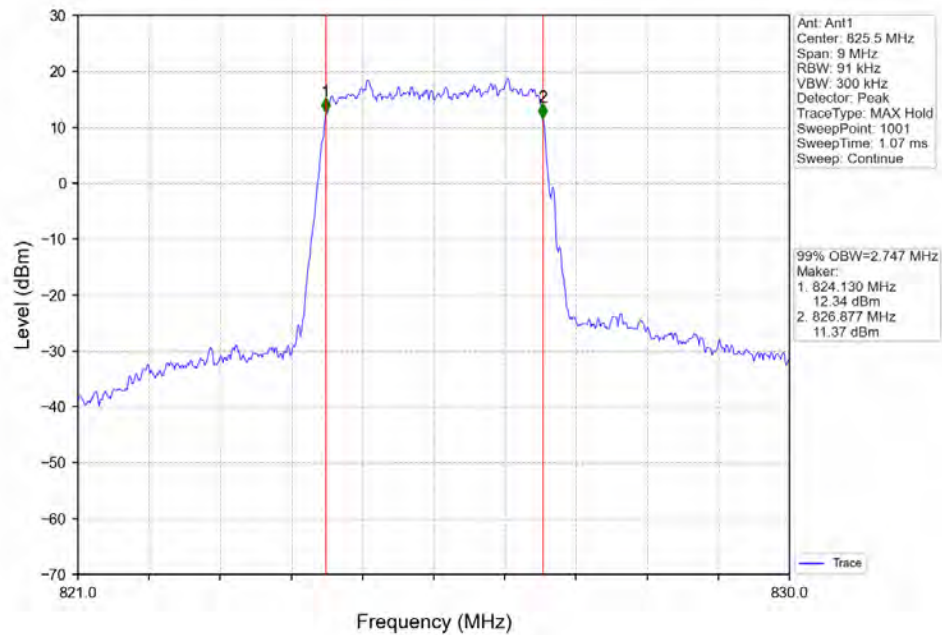


Band_5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

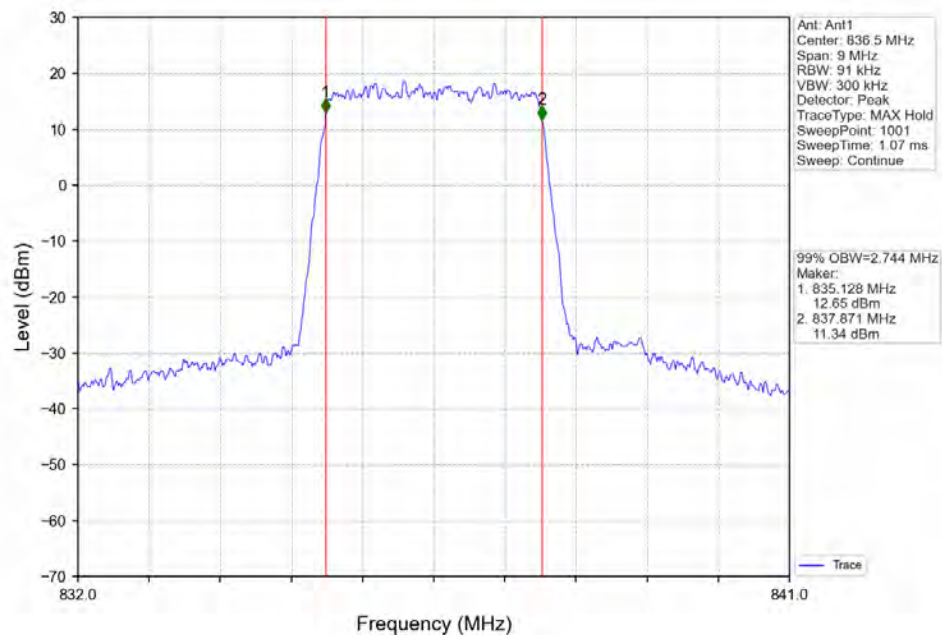




Band 5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

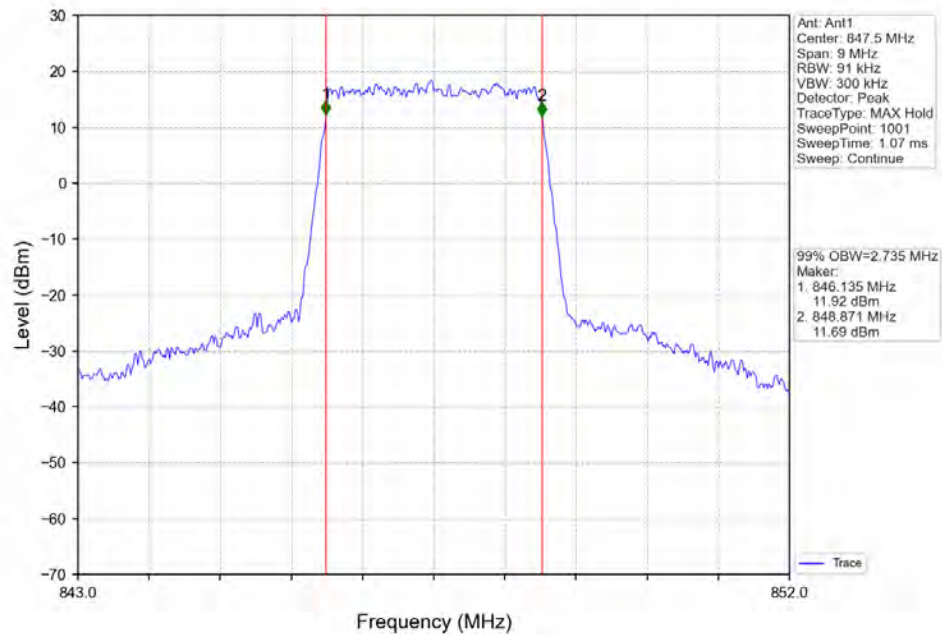


Band 5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



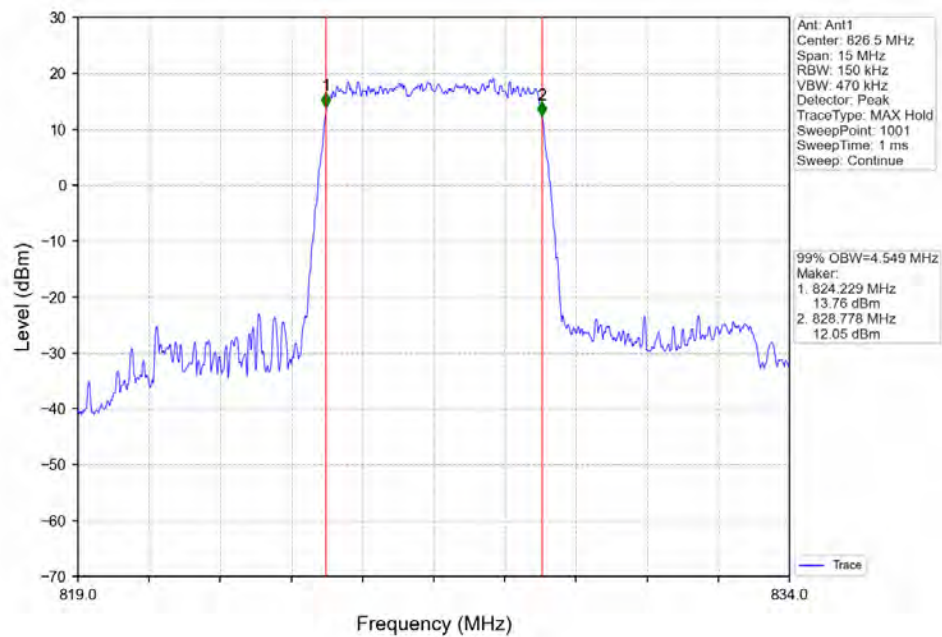


Band_5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV

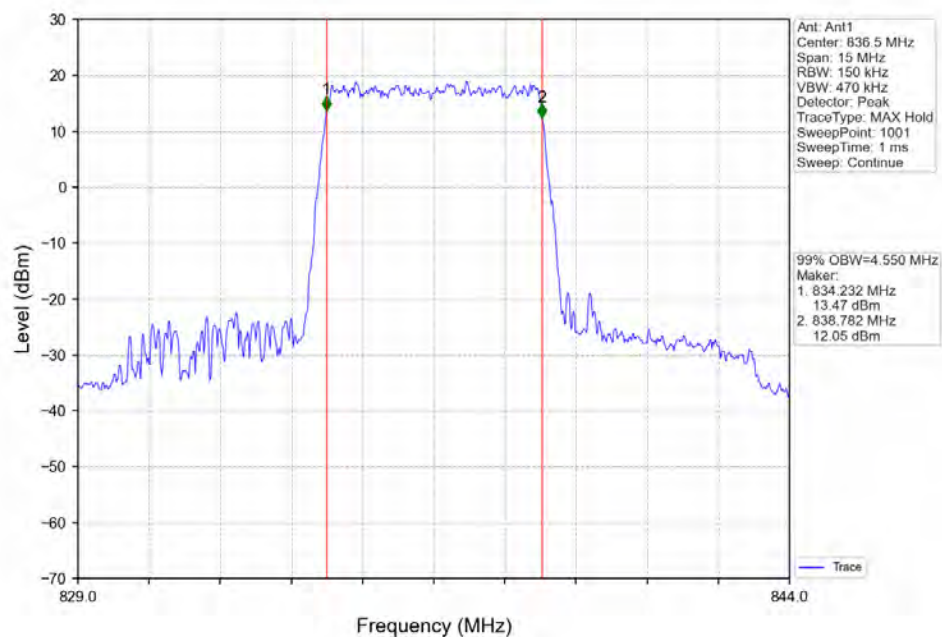




Band 5 5MHz QPSK LCH 826.5MHz RB 25_0 NTN

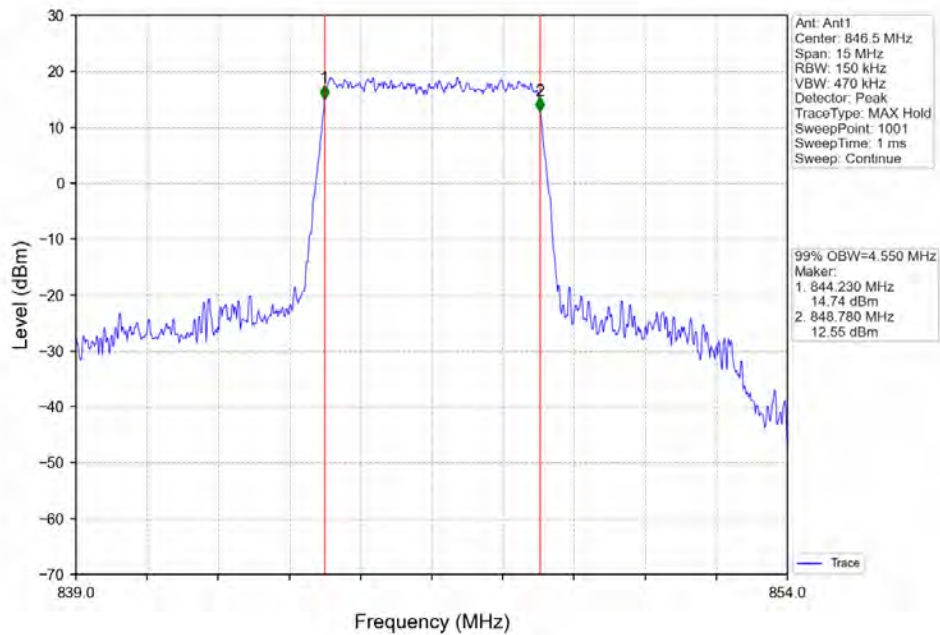


Band 5 5MHz QPSK MCH 836.5MHz RB 25_0 NTN

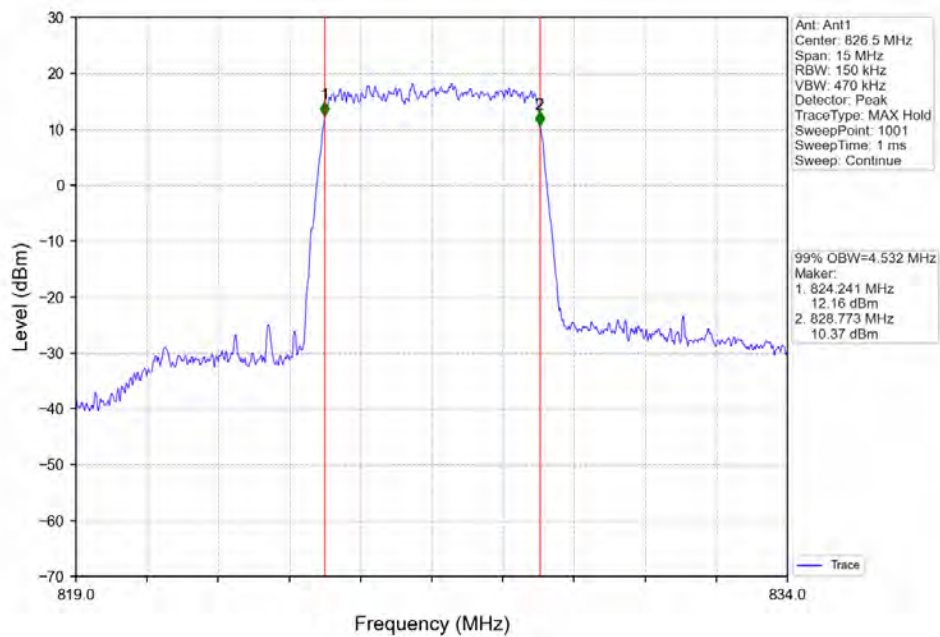




Band 5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV

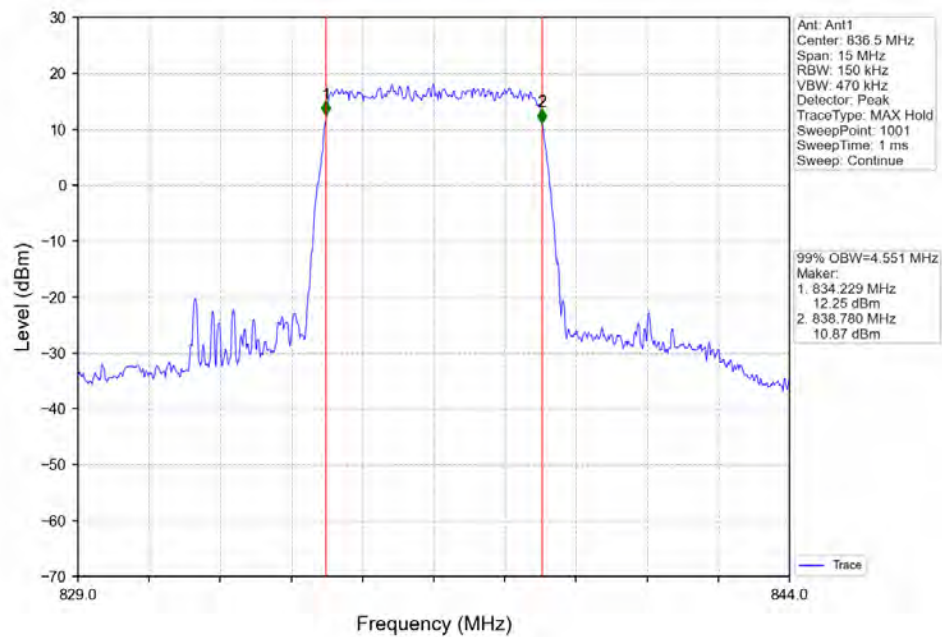


Band 5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV

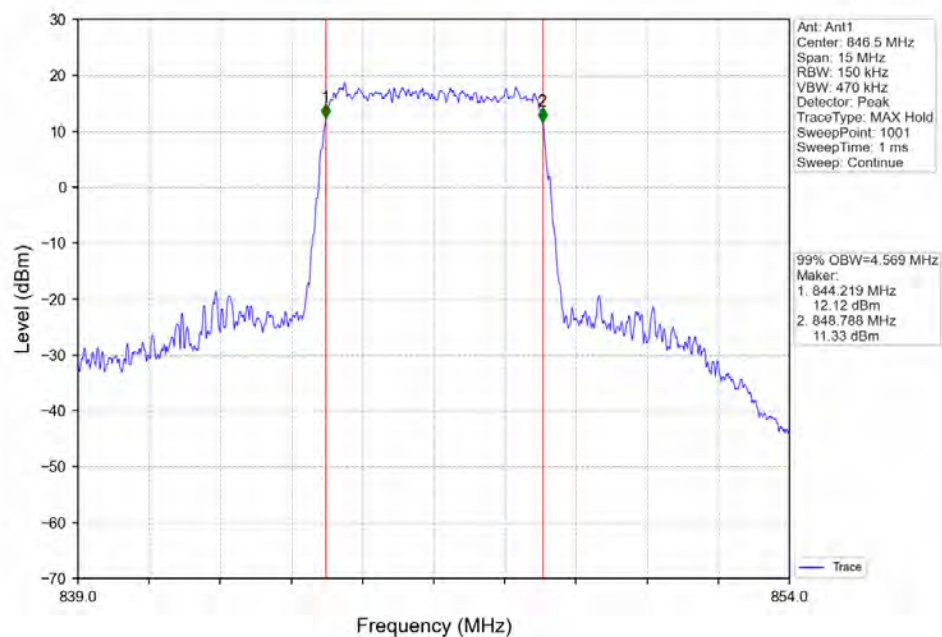




Band_5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

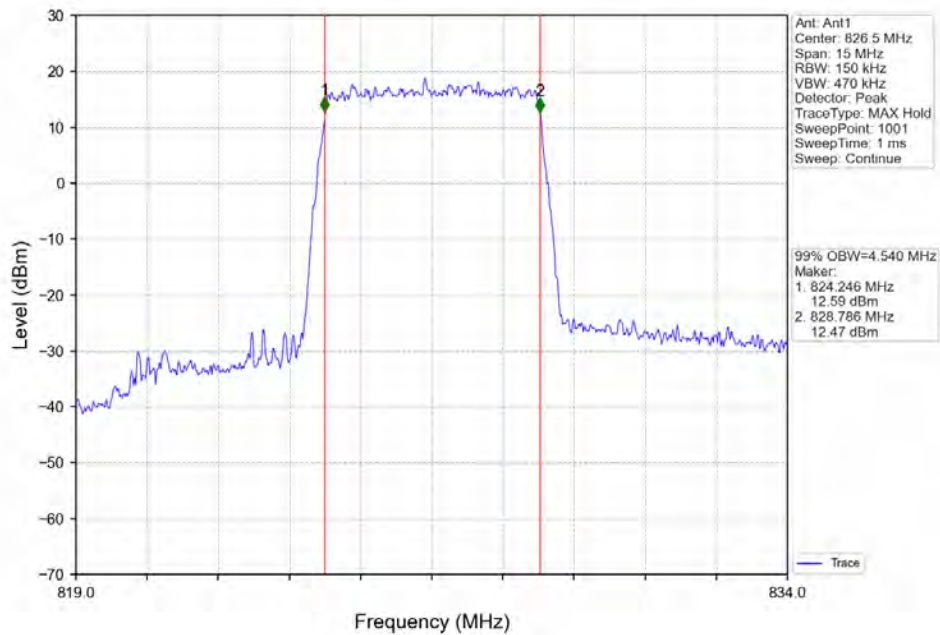


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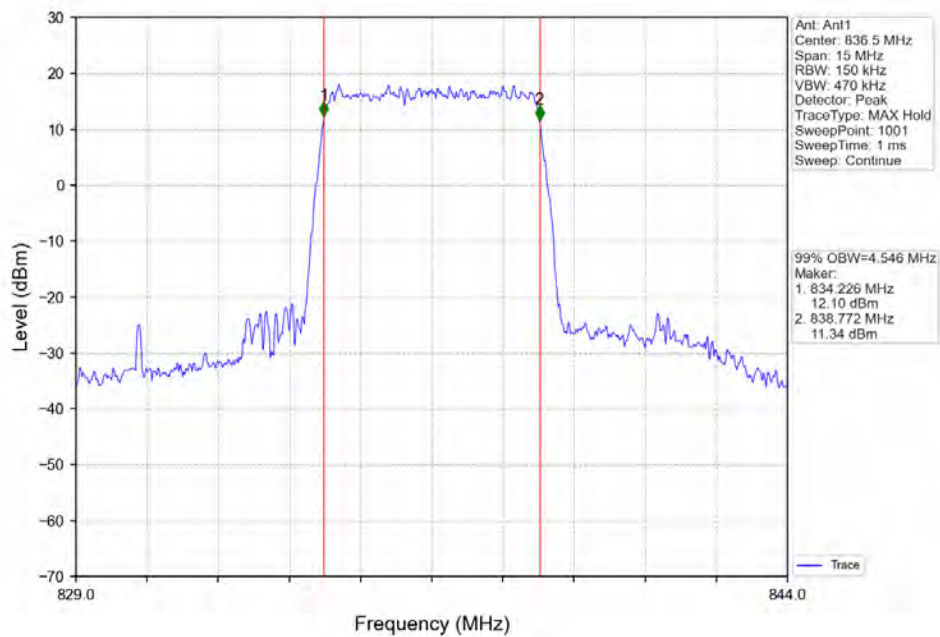




Band 5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV

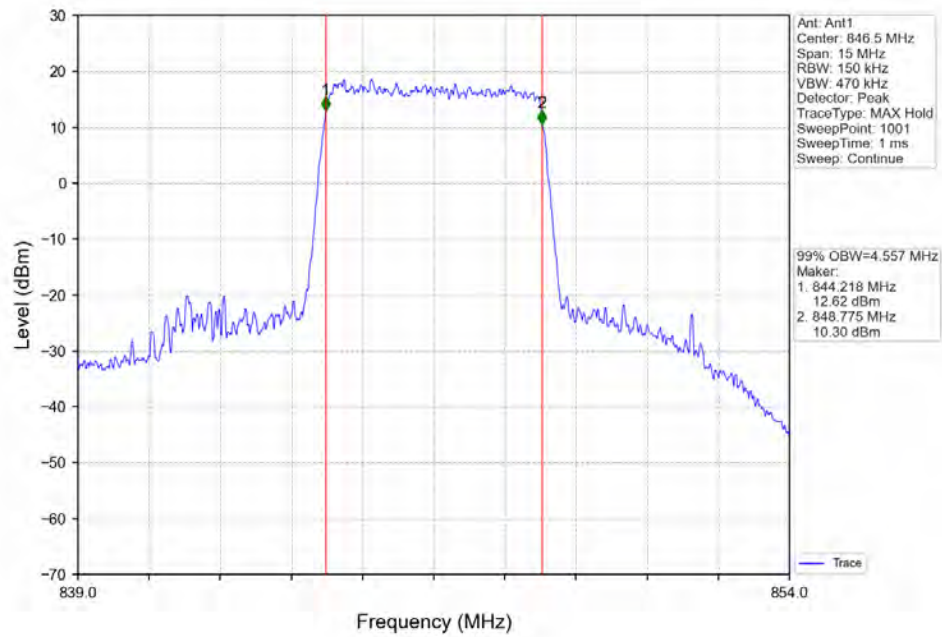


Band 5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV





Band_5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



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Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

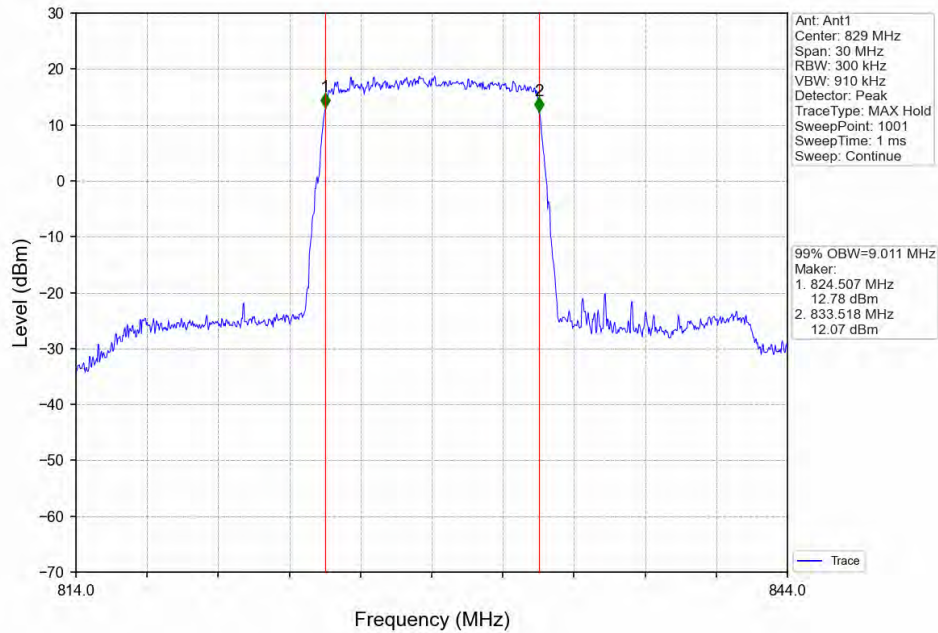
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

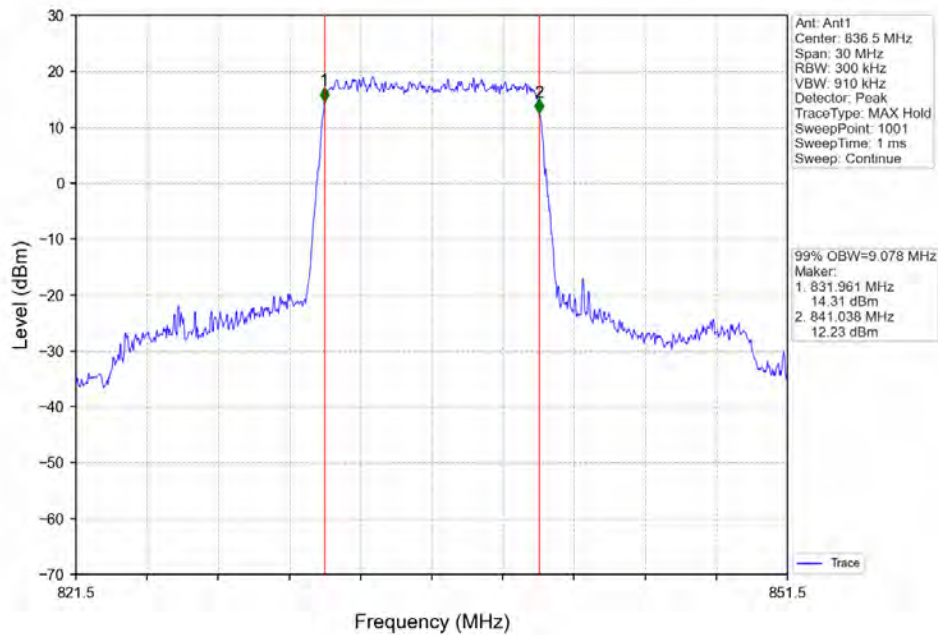
Email: customerservice.sw@bureauveritas.com



Band_5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

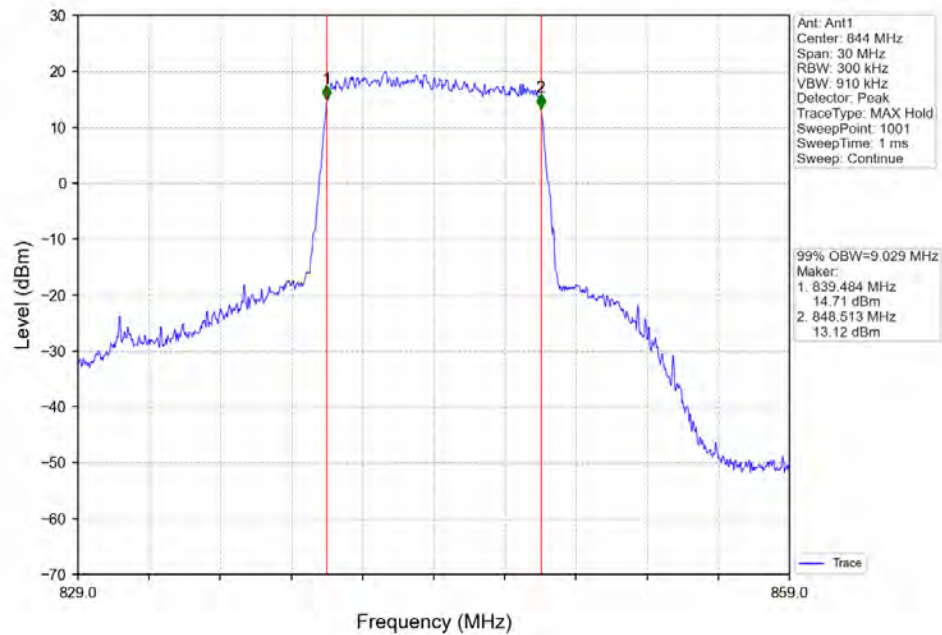


Band_5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

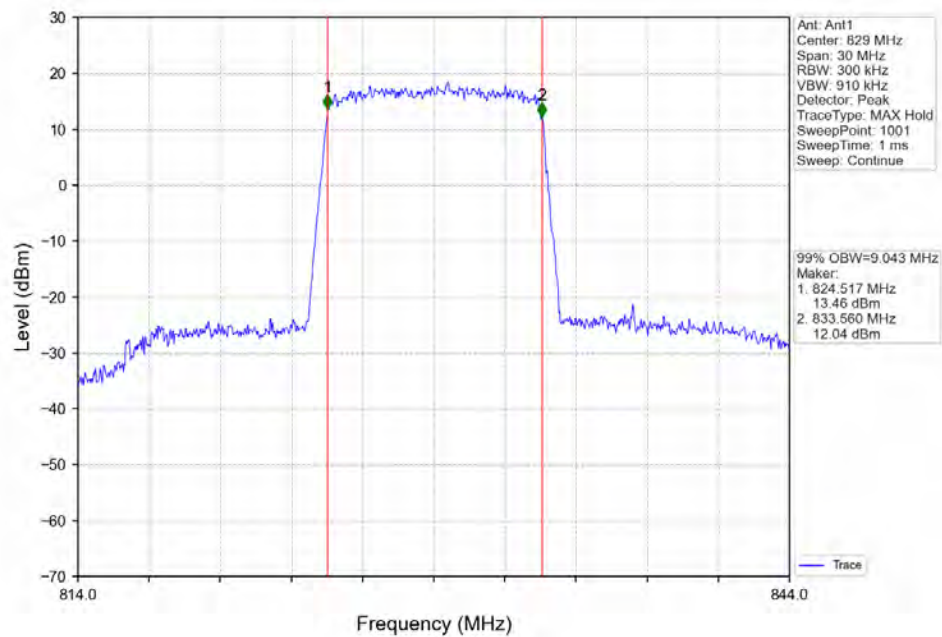




Band_5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

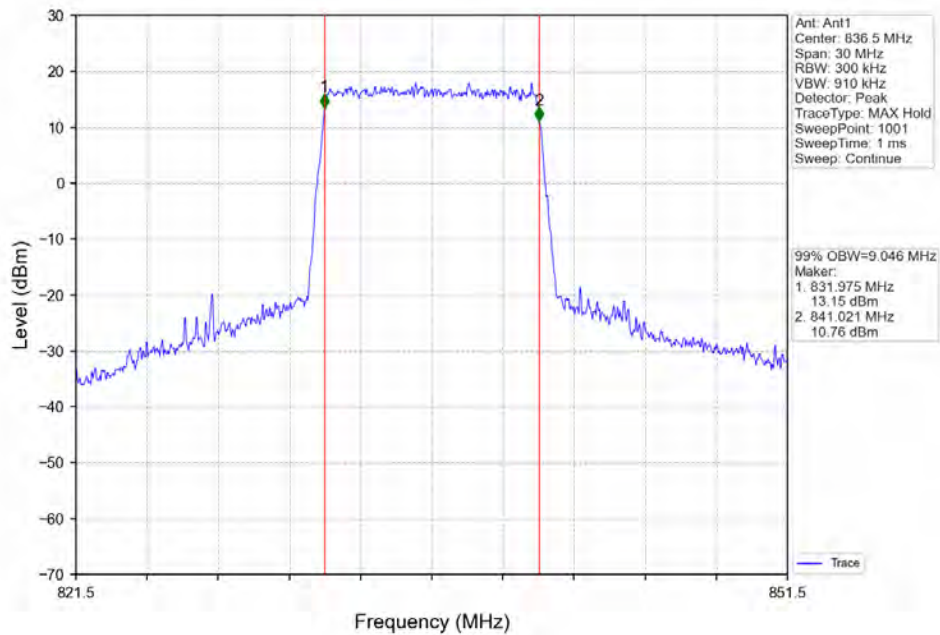


Band_5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

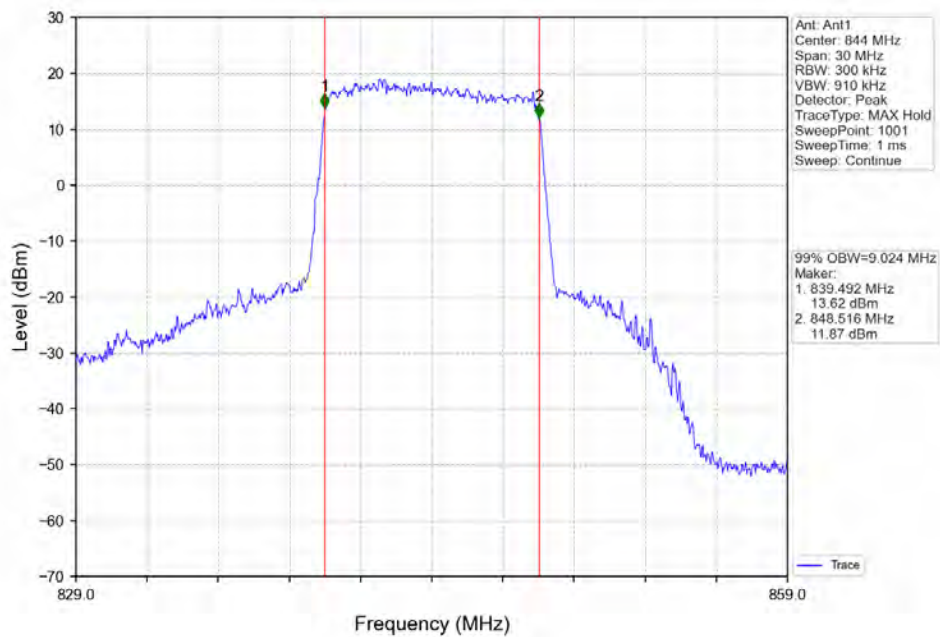




Band 5 10MHz 16QAM MCH 836.5MHz RB 50_0 NTN

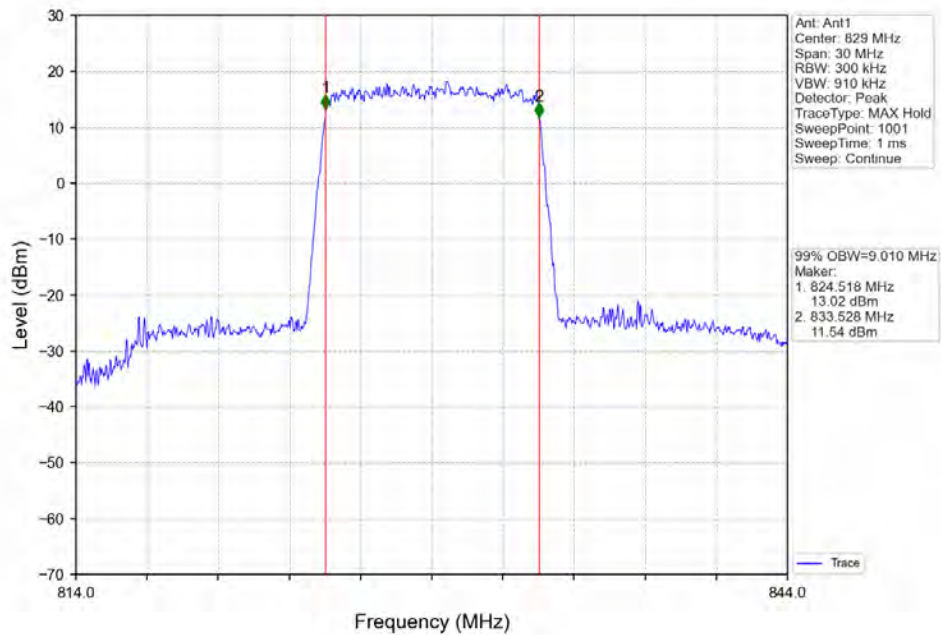


Band 5 10MHz 16QAM HCH 844MHz RB 50_0 NTN

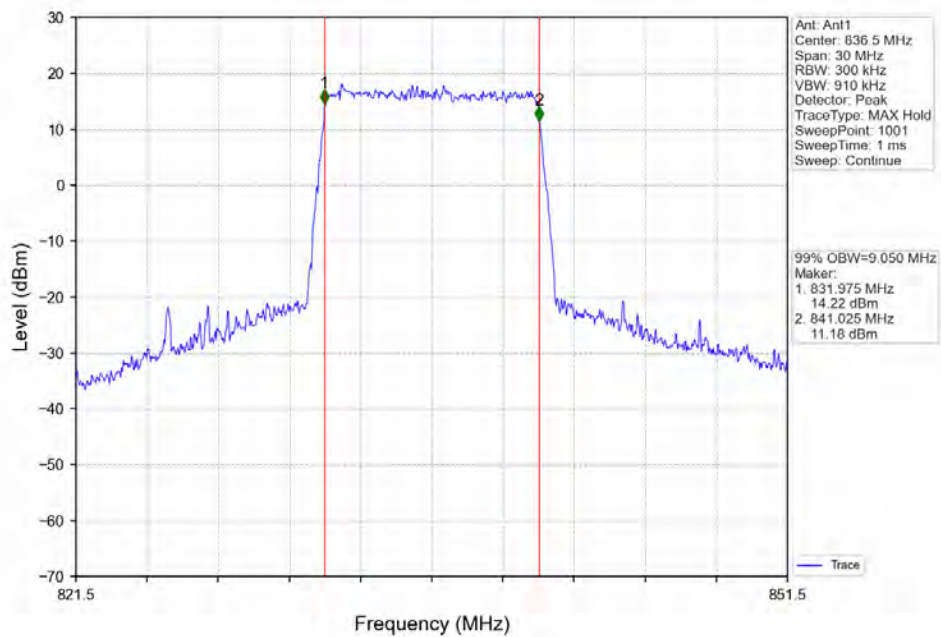




Band 5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV

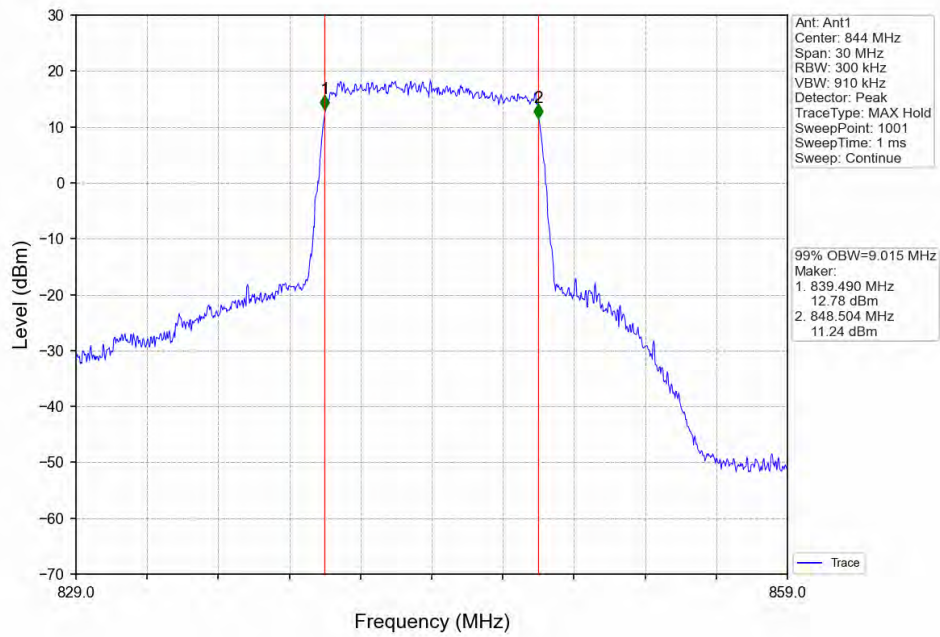


Band 5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV





Band 5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV





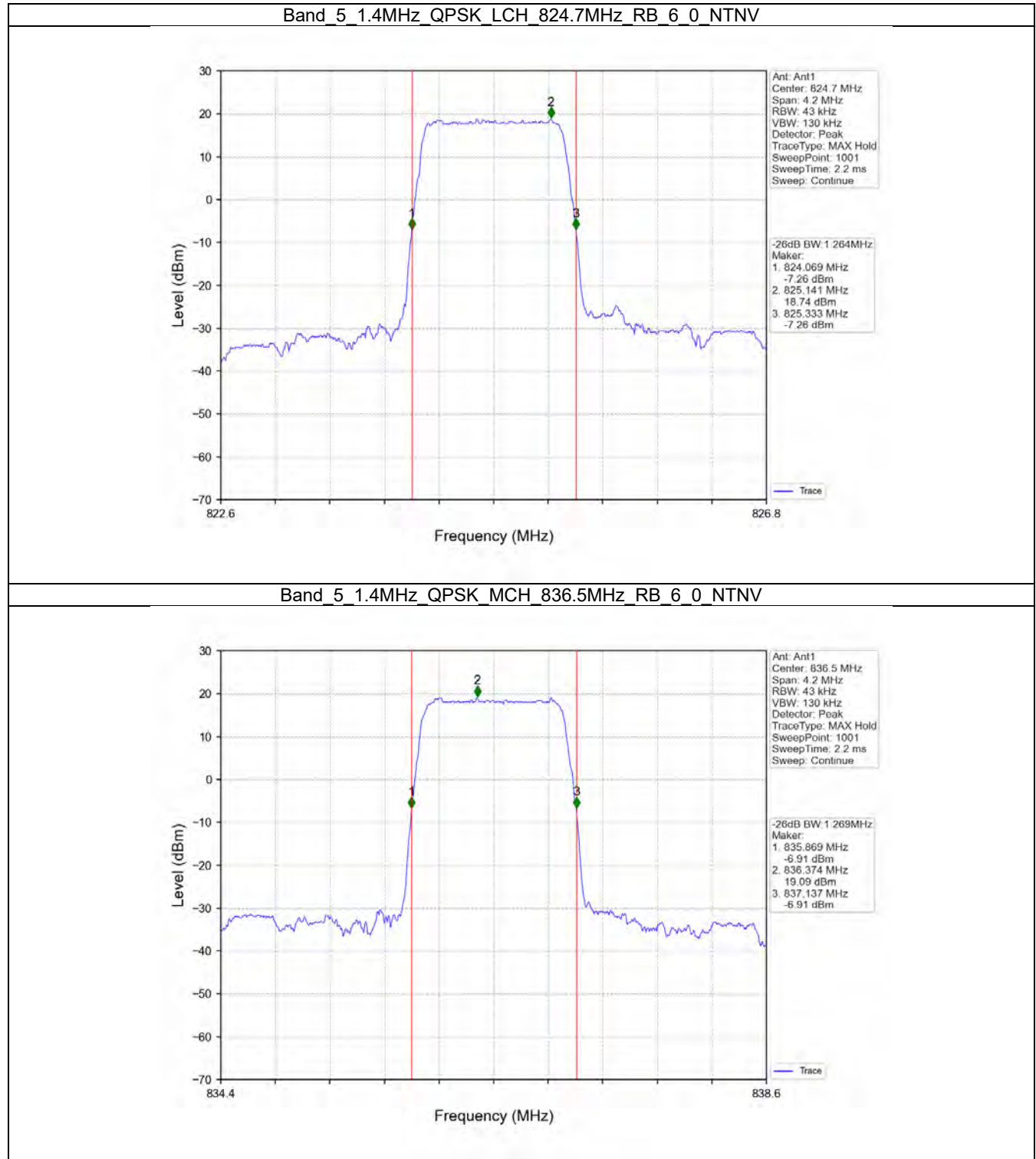
2.6 LTE_Band 5_26DB

2.6.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.264	1.269	1.261	/	Pass
16QAM	6	0	1.262	1.270	1.266	/	Pass
64QAM	6	0	1.268	1.254	1.280	/	Pass
Band: 5 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.090	3.054	3.095	/	Pass
16QAM	15	0	3.049	3.092	3.059	/	Pass
64QAM	15	0	3.064	3.074	3.084	/	Pass
Band: 5 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.038	5.071	5.053	/	Pass
16QAM	25	0	5.066	5.079	5.051	/	Pass
64QAM	25	0	5.058	5.067	5.026	/	Pass
Band: 5 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.041	10.011	9.920	/	Pass
16QAM	50	0	9.918	9.944	9.898	/	Pass
64QAM	50	0	9.970	10.016	9.892	/	Pass

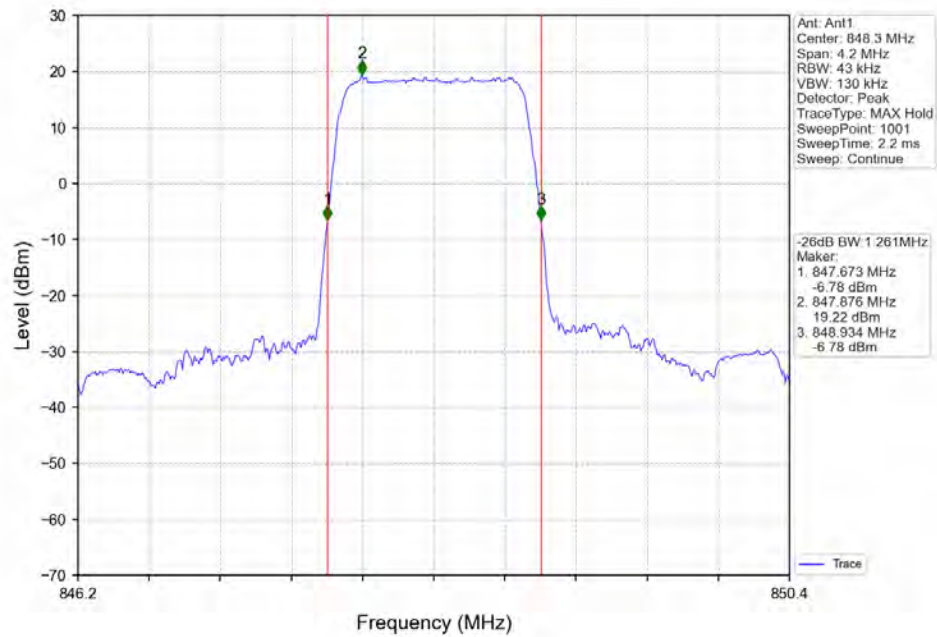


2.6.2 Test Graph

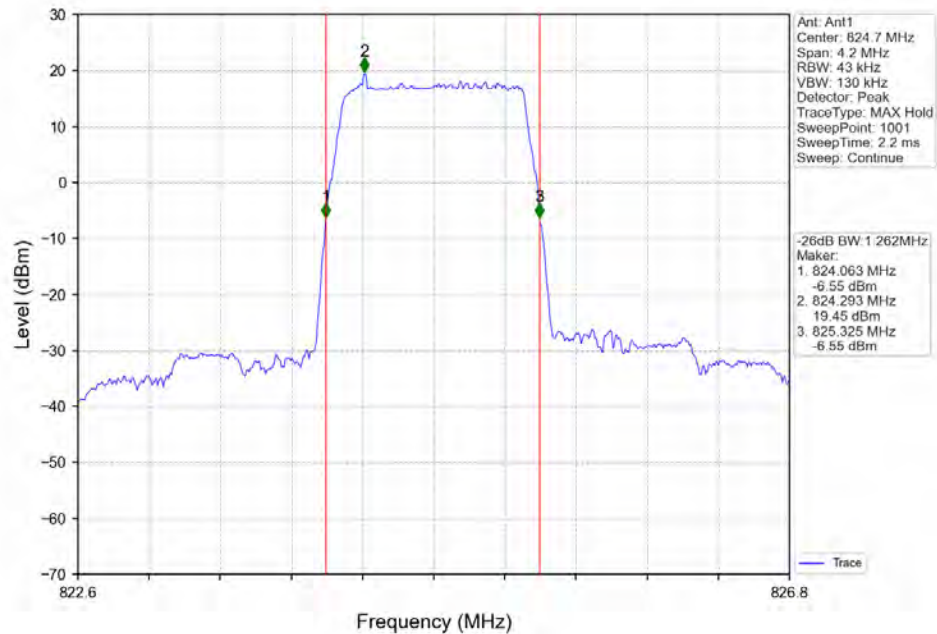




Band 5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

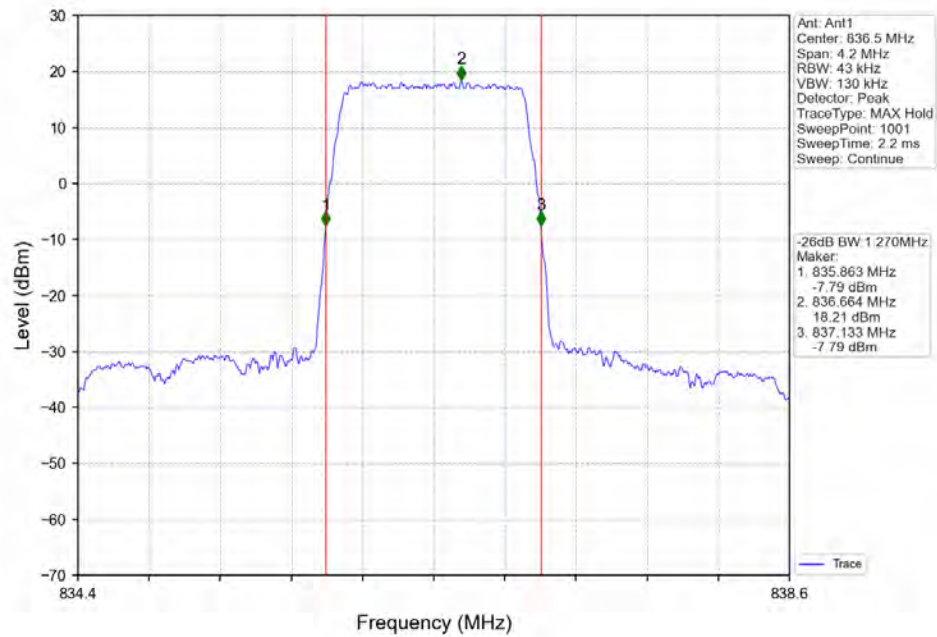


Band 5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

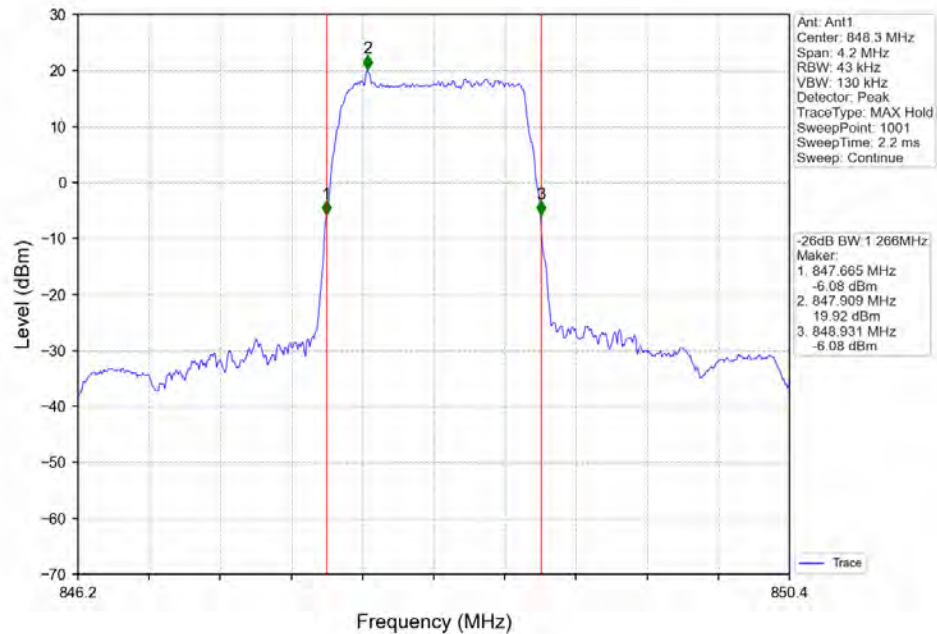




Band 5 1.4MHz 16QAM MCH 836.5MHz RB 6_0 NTN

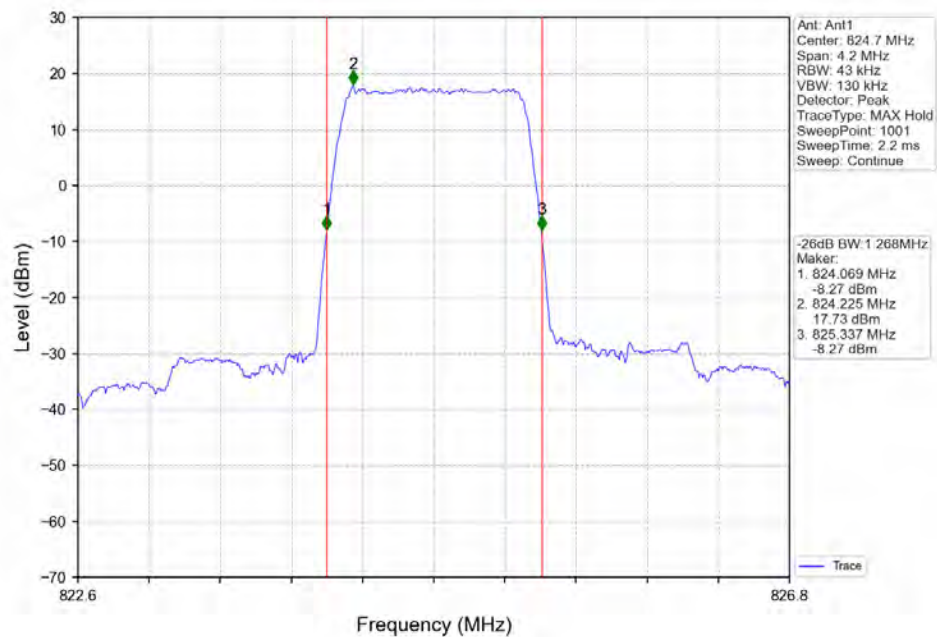


Band 5 1.4MHz 16QAM HCH 848.3MHz RB 6_0 NTN

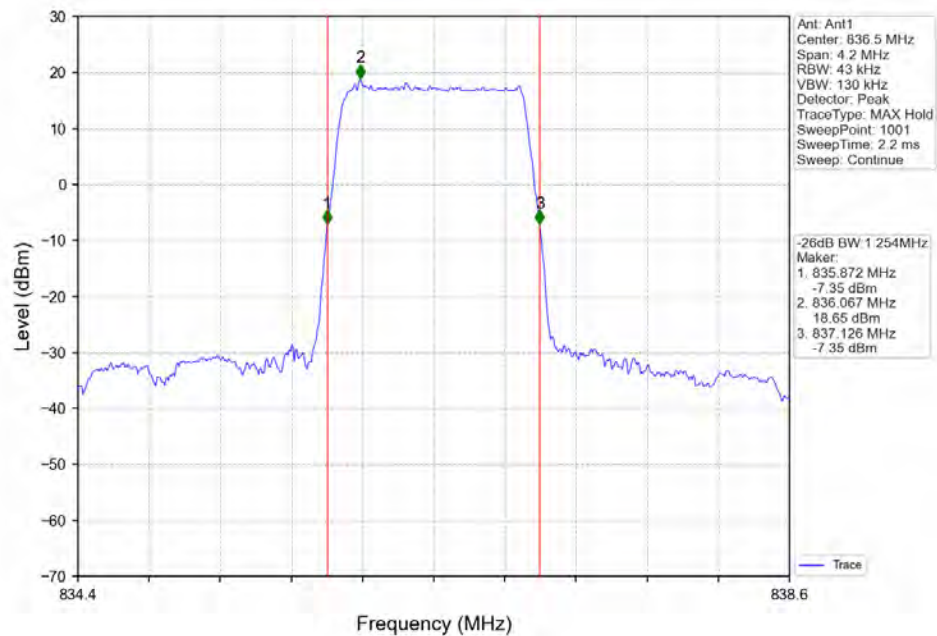


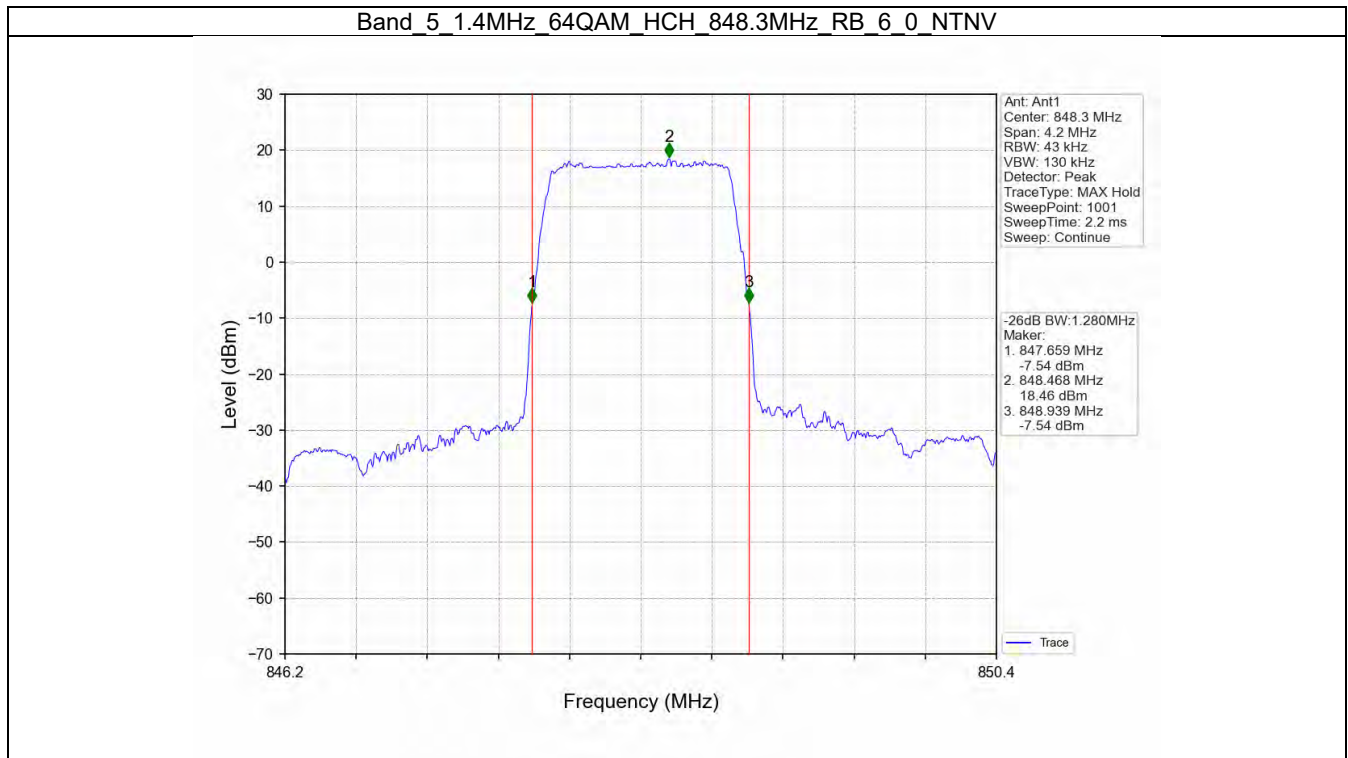


Band_5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



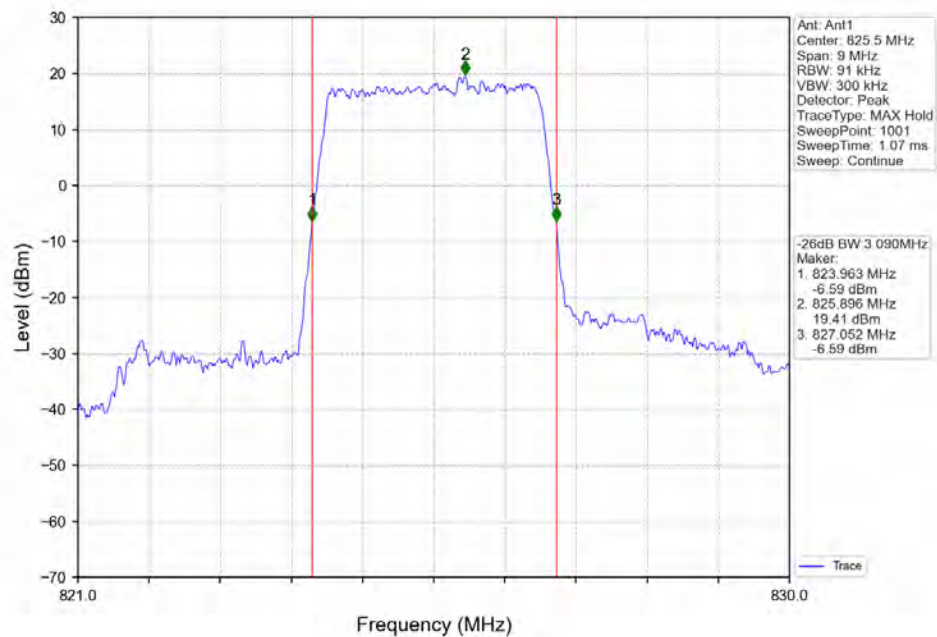
Band_5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



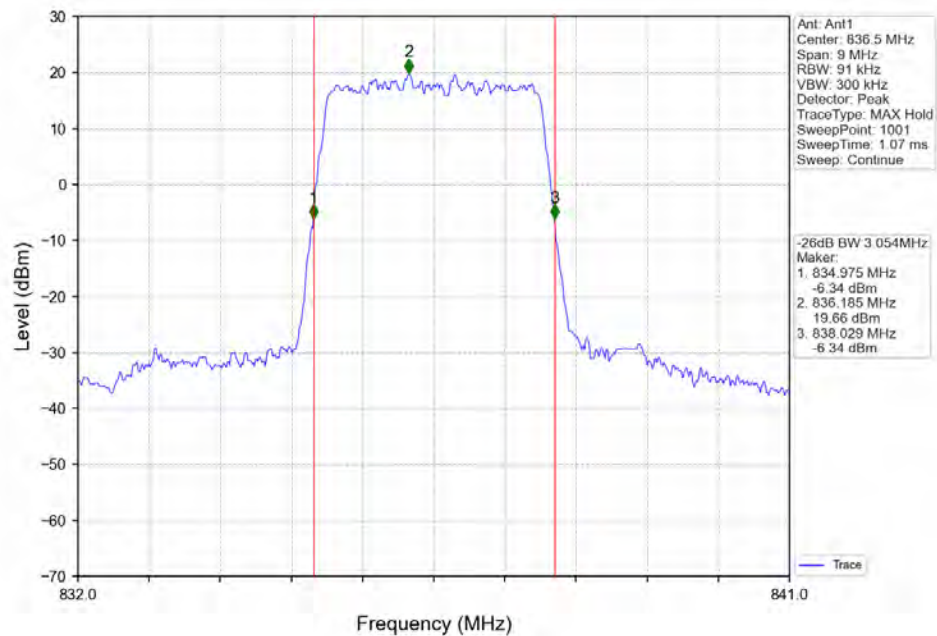




Band 5 3MHz QPSK LCH 825.5MHz RB 15_0 NTNV

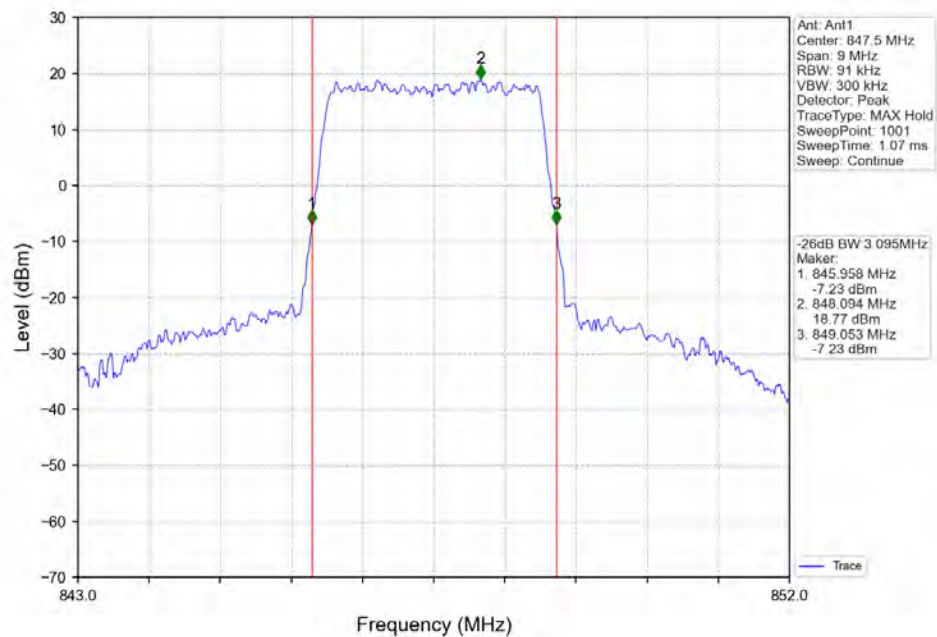


Band 5 3MHz QPSK MCH 836.5MHz RB 15_0 NTNV

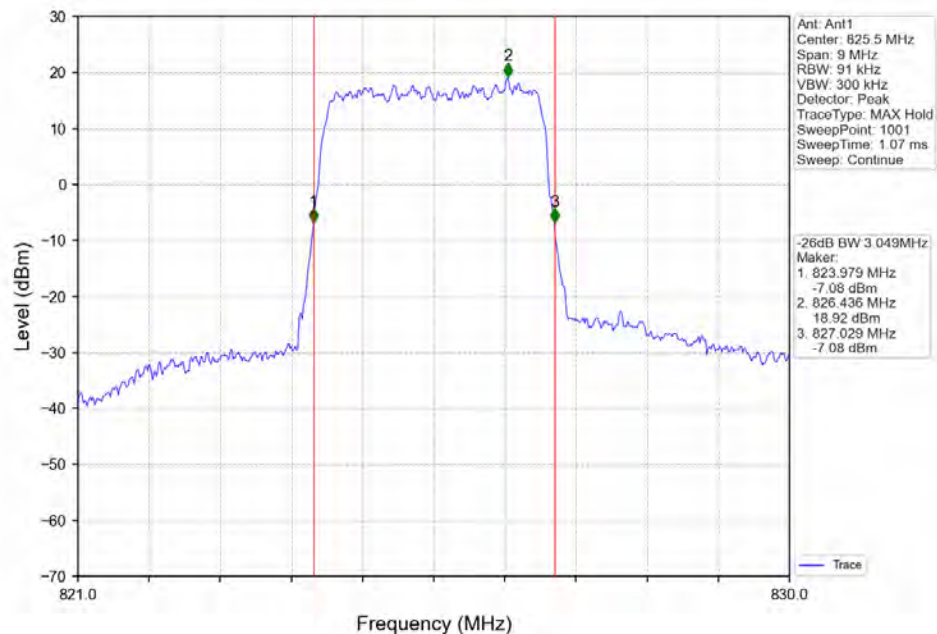




Band 5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV

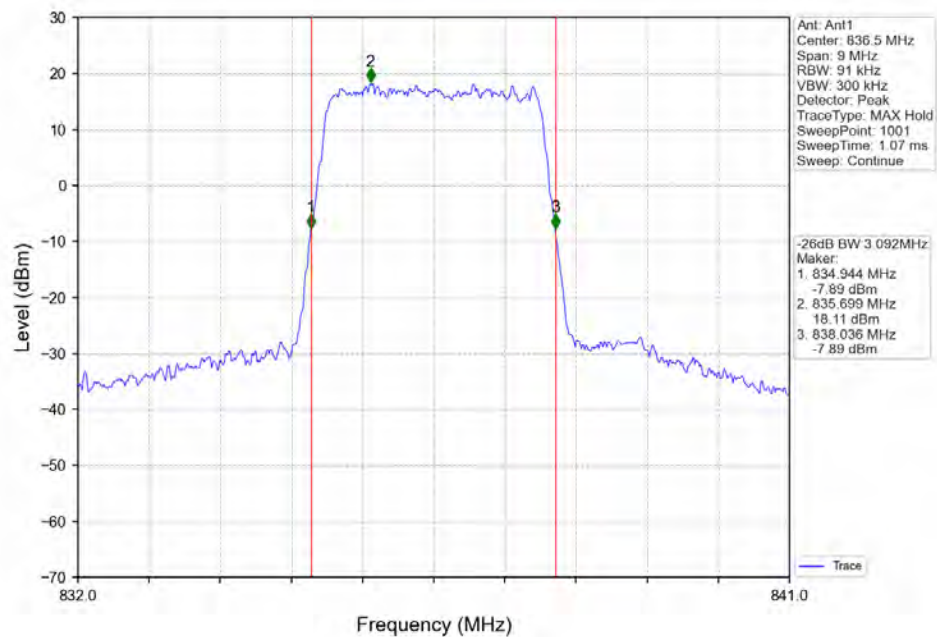


Band 5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV

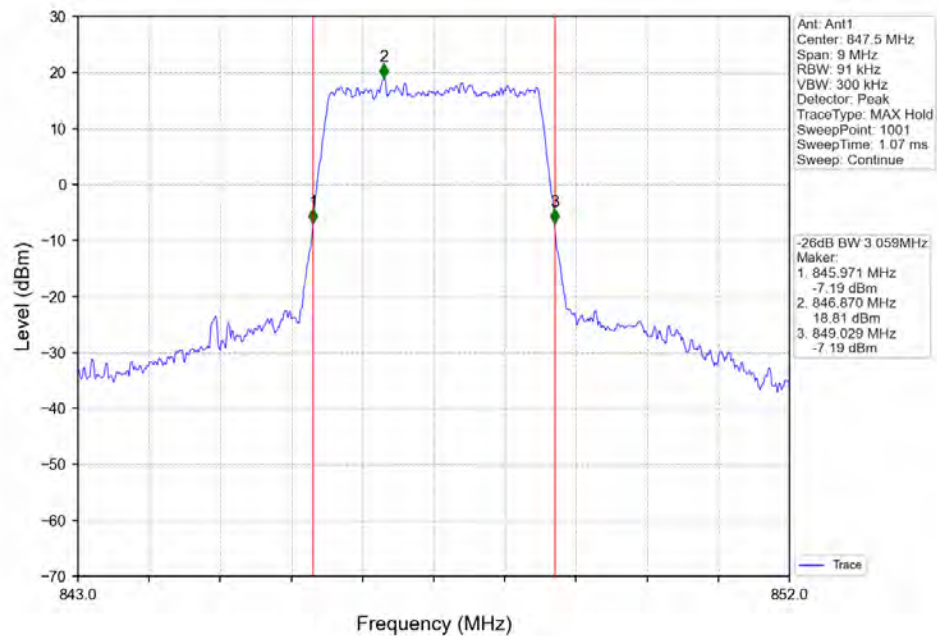




Band_5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

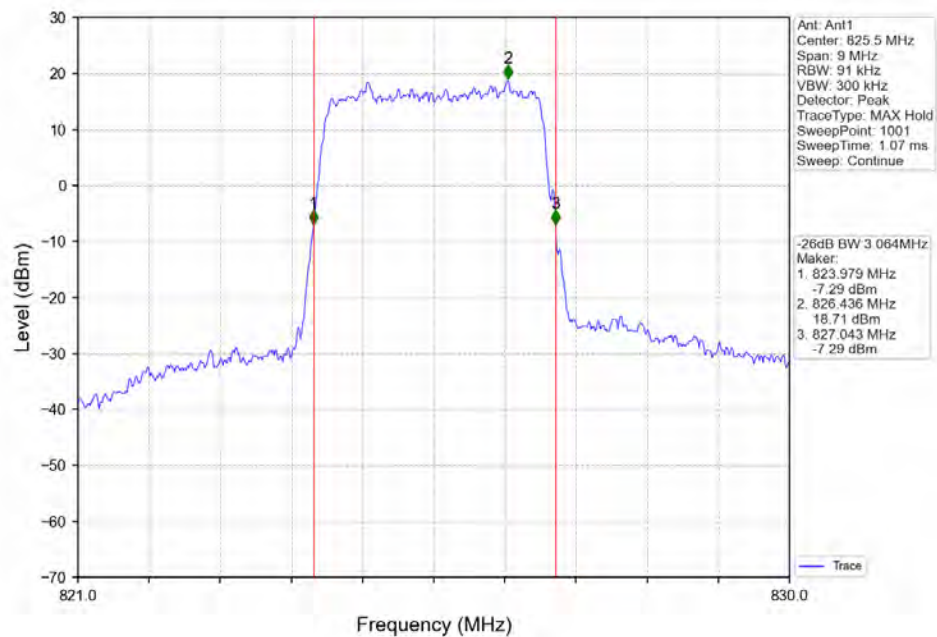


Band_5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

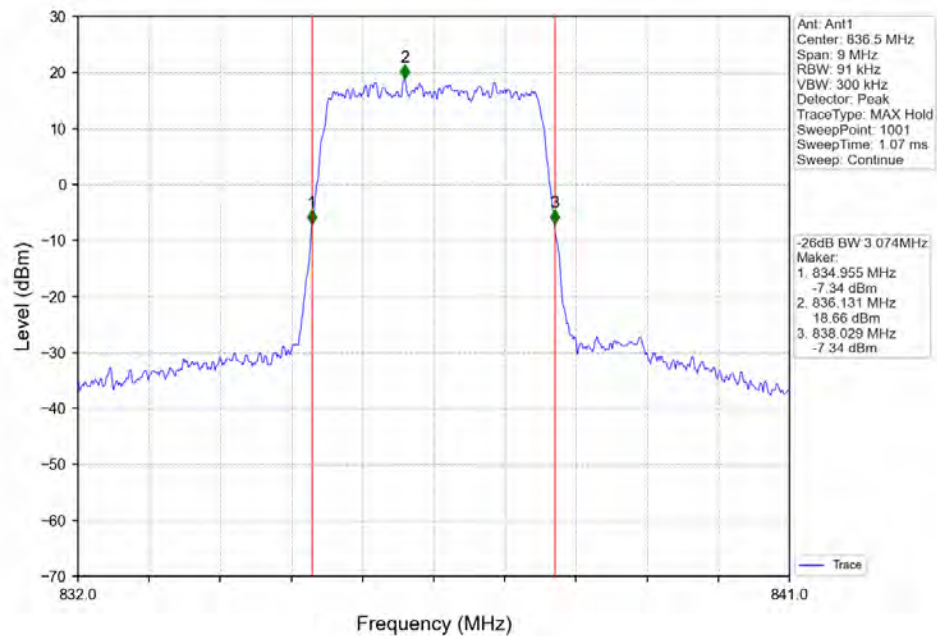


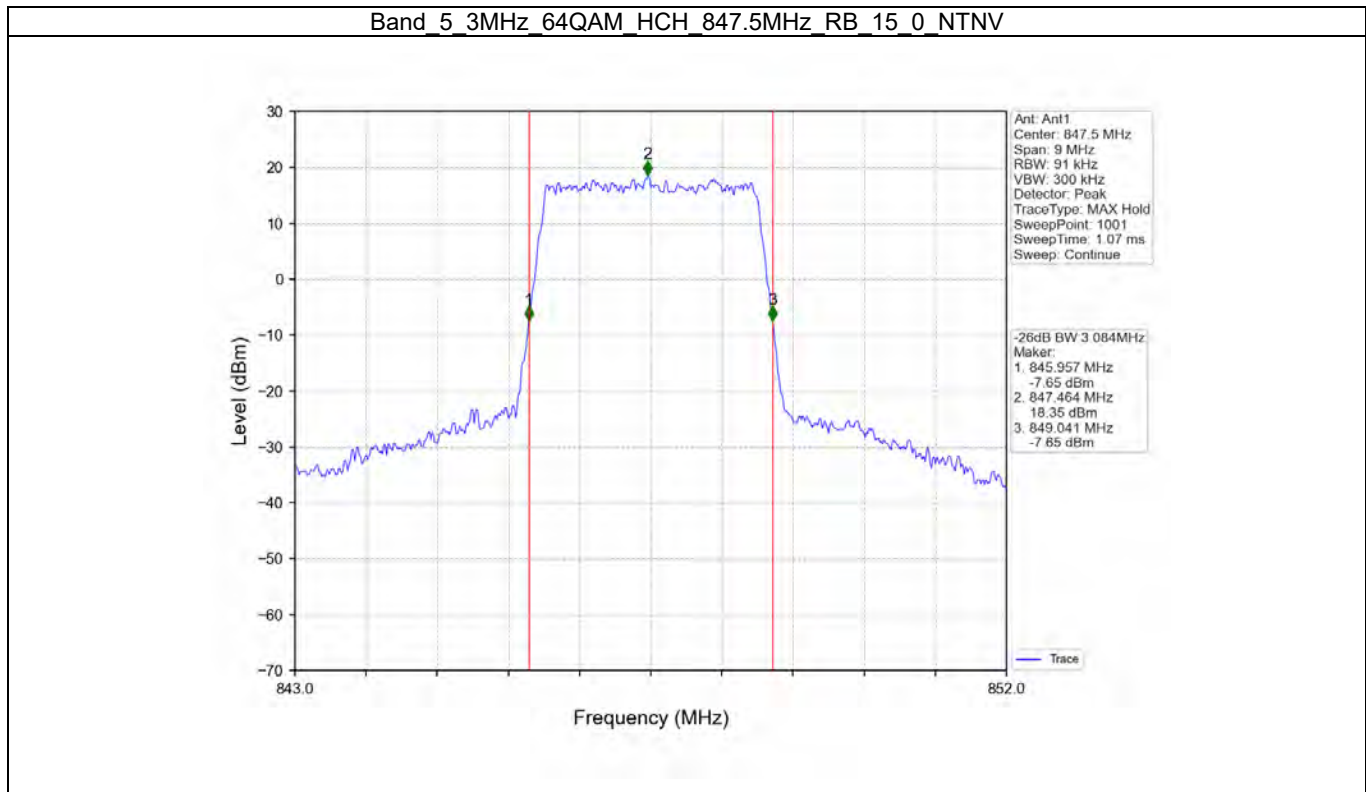


Band_5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



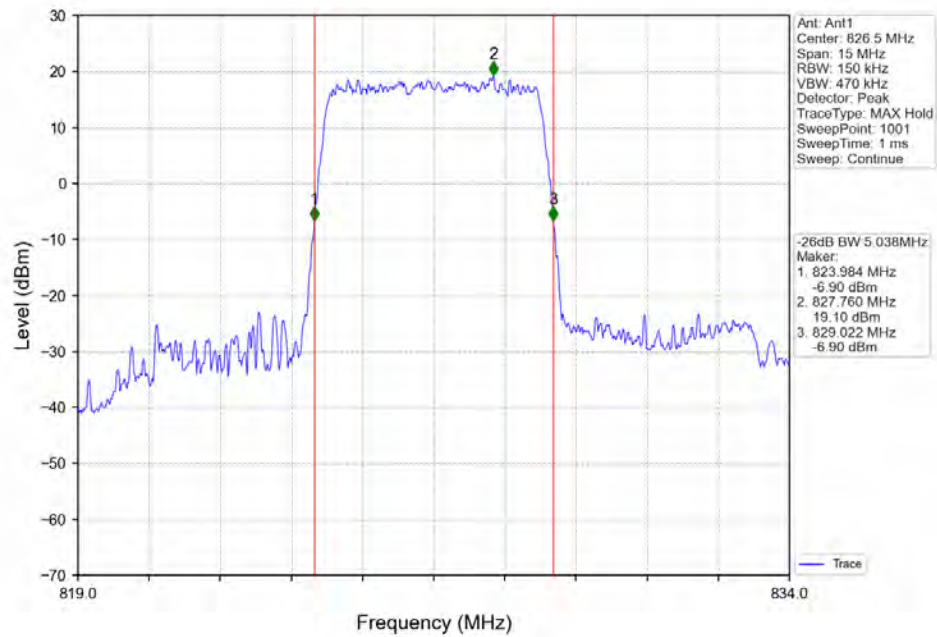
Band_5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



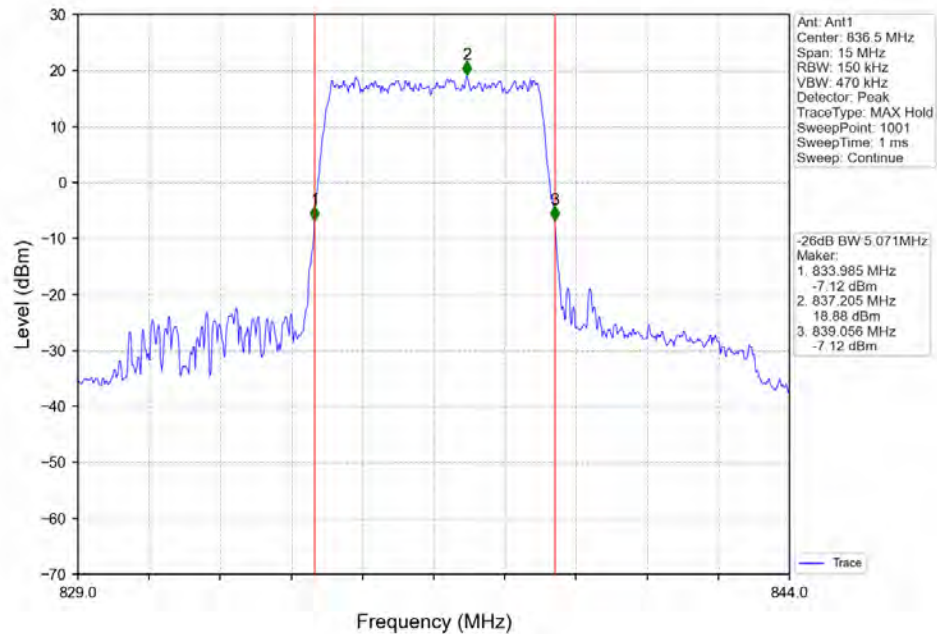




Band 5 5MHz QPSK LCH 826.5MHz RB 25_0 NTNV

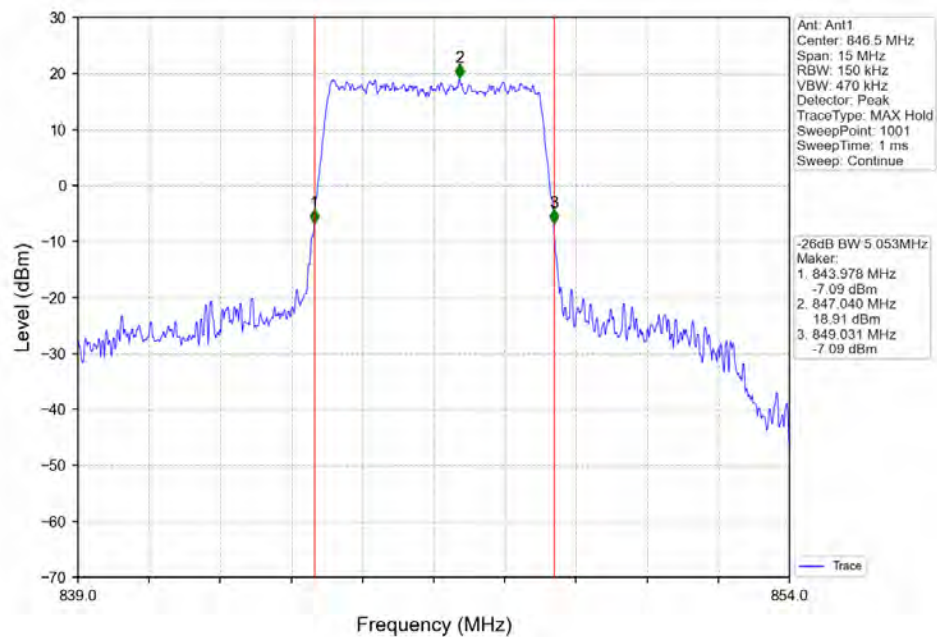


Band 5 5MHz QPSK MCH 836.5MHz RB 25_0 NTNV

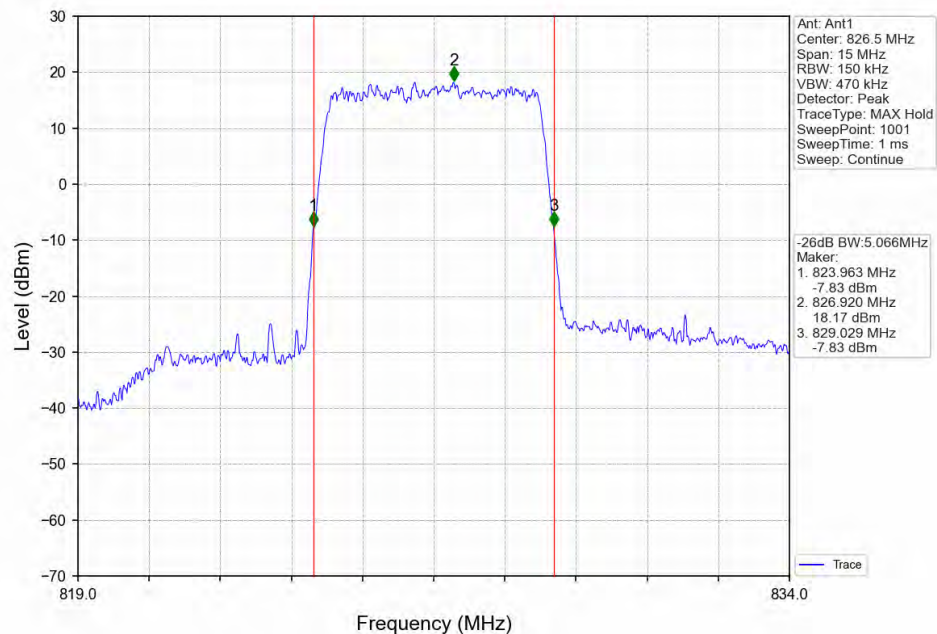


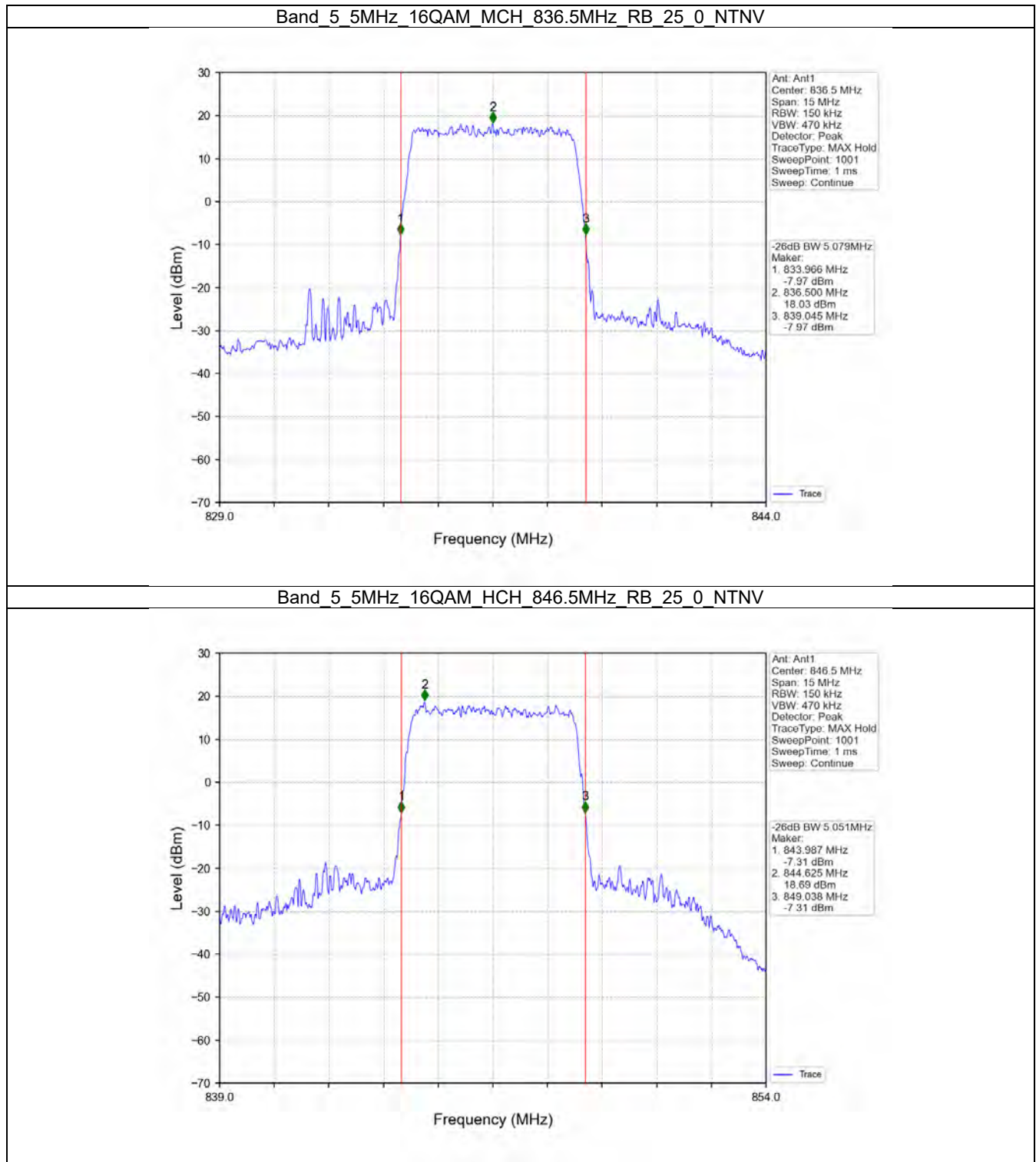


Band 5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



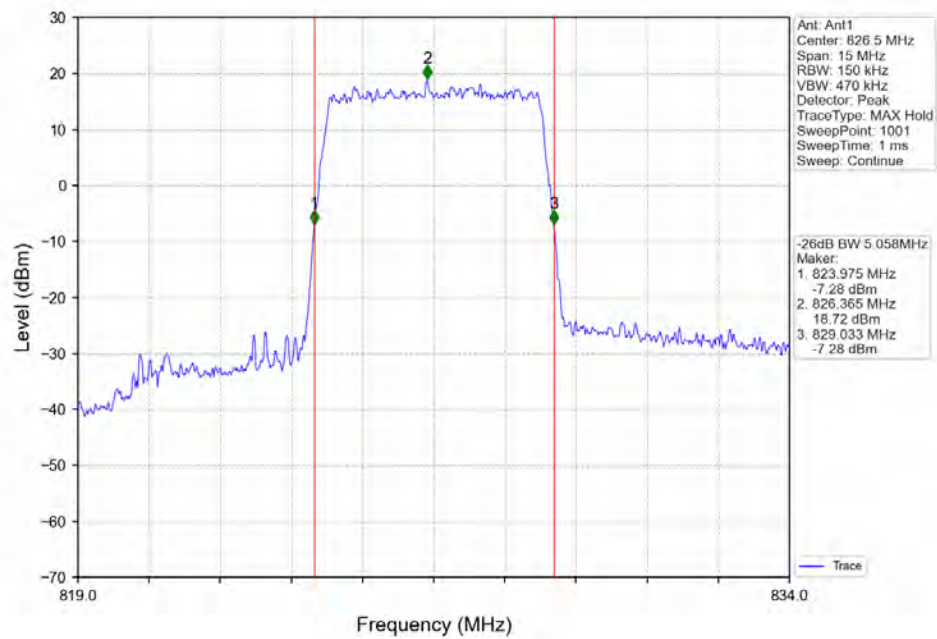
Band 5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



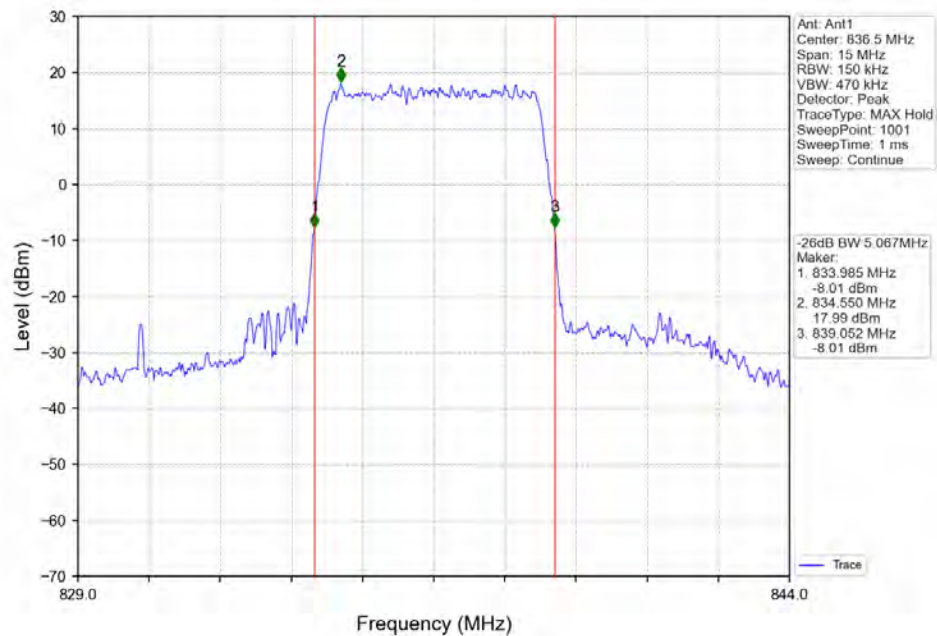


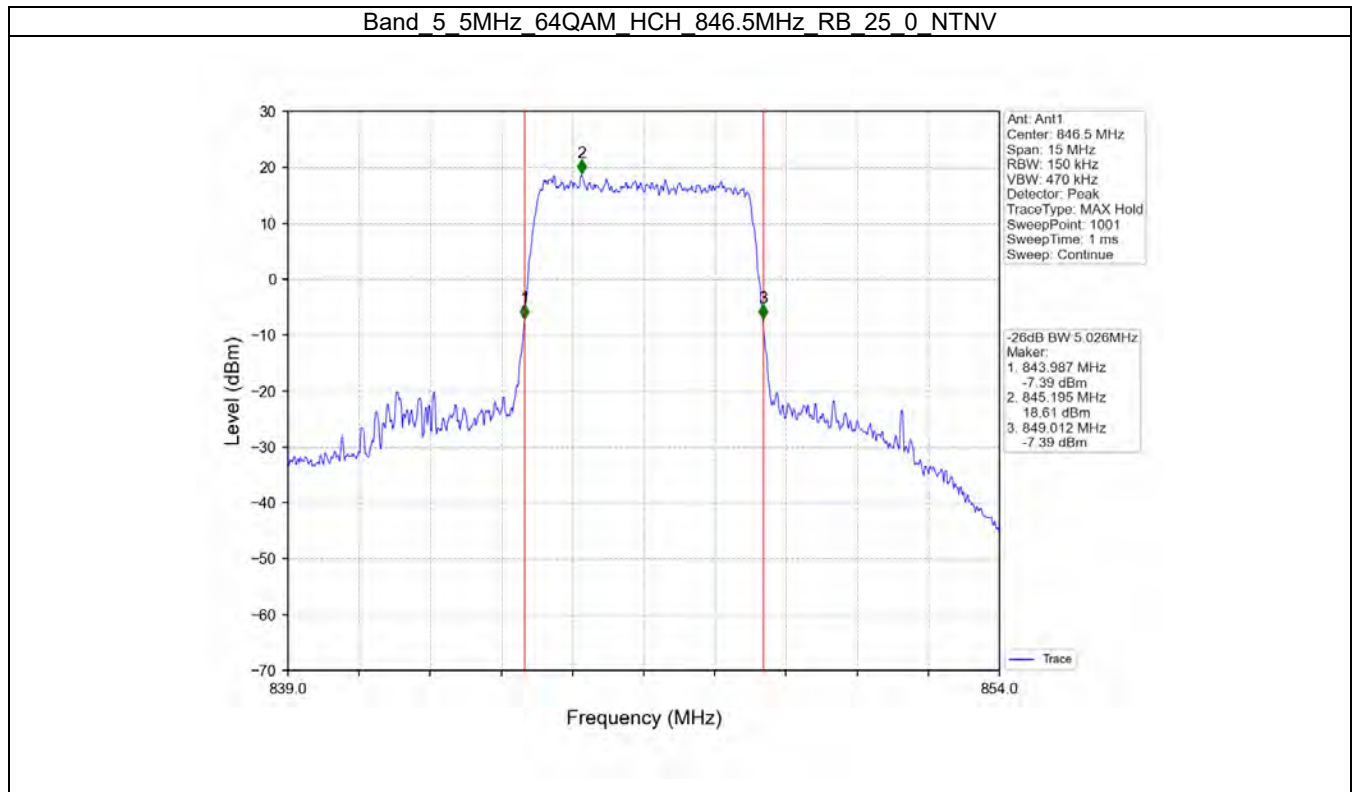


Band_5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



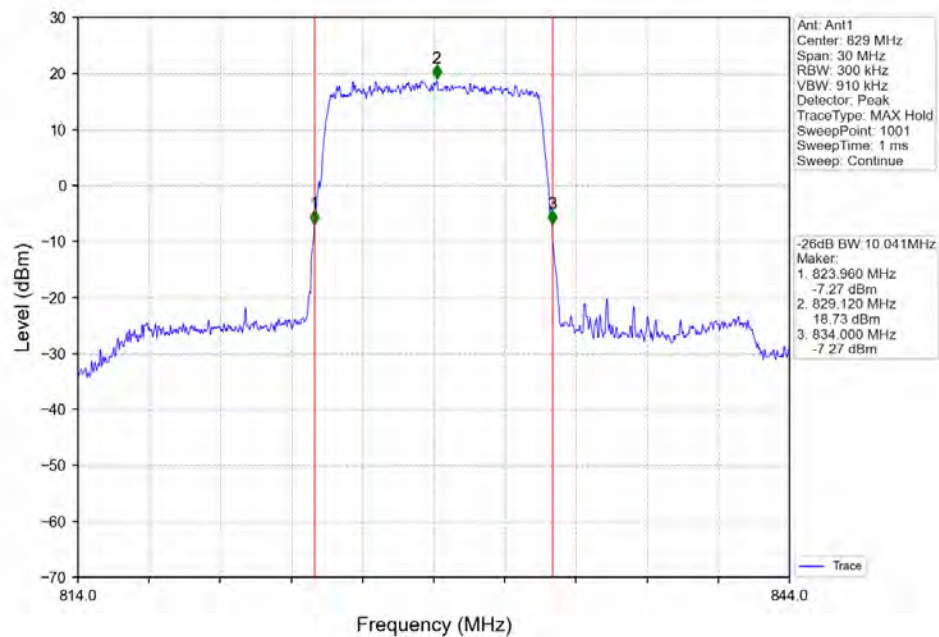
Band_5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



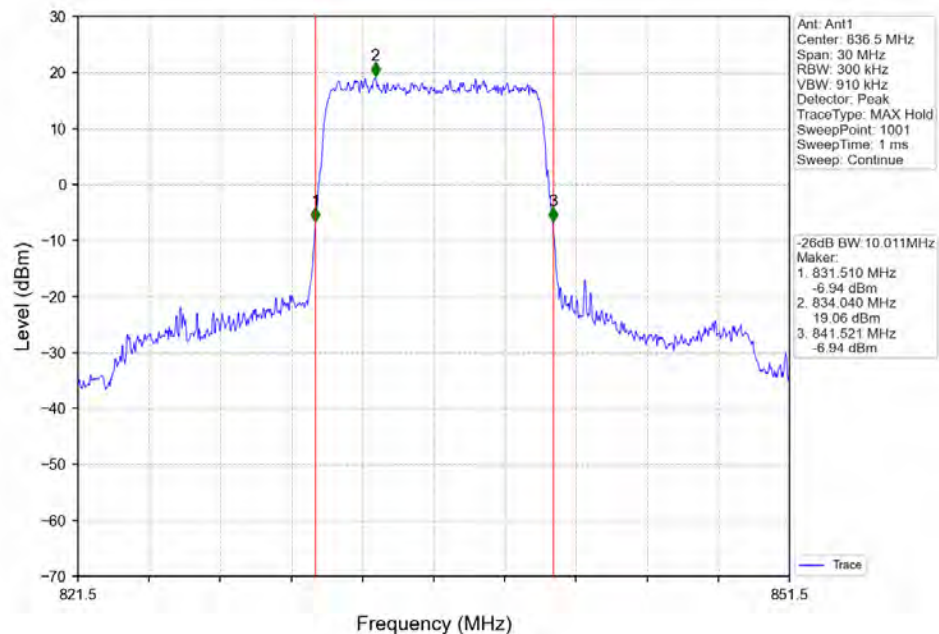




Band_5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

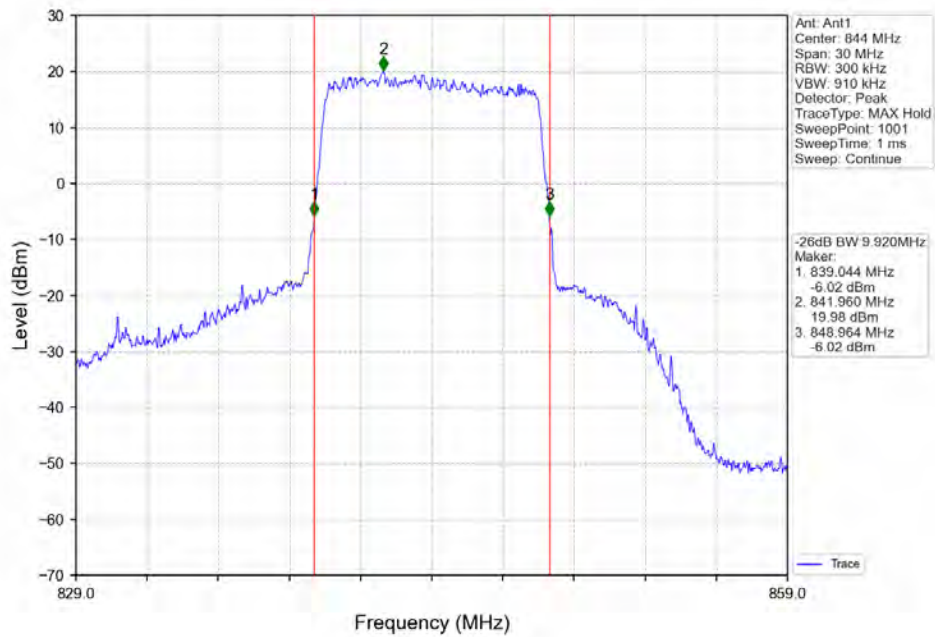


Band_5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

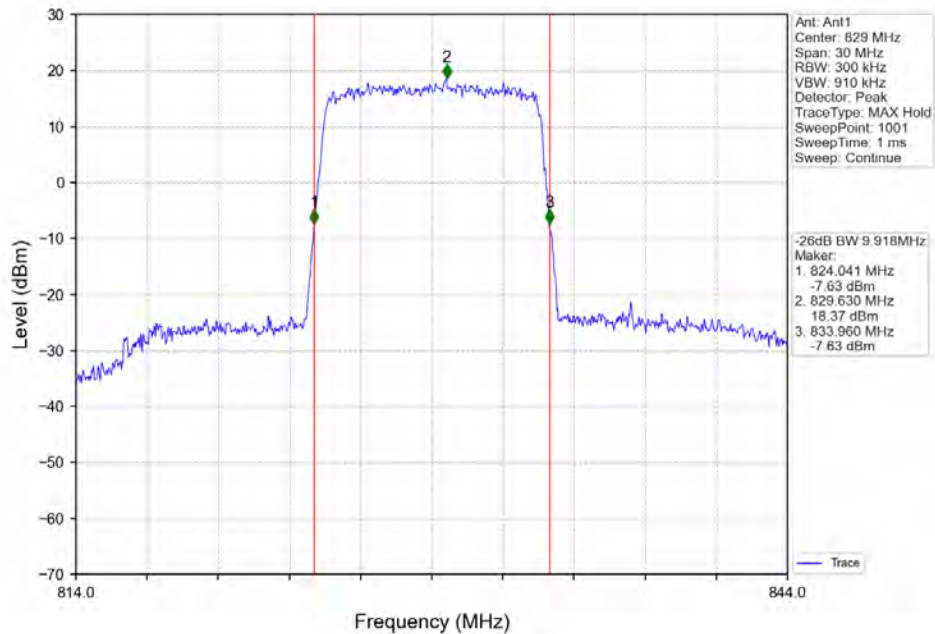




Band_5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

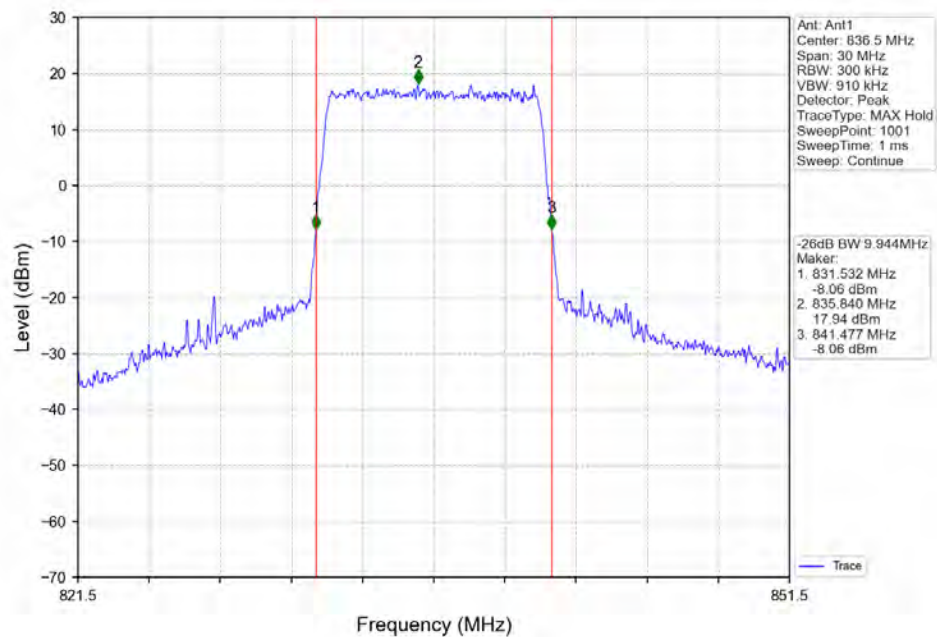


Band_5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

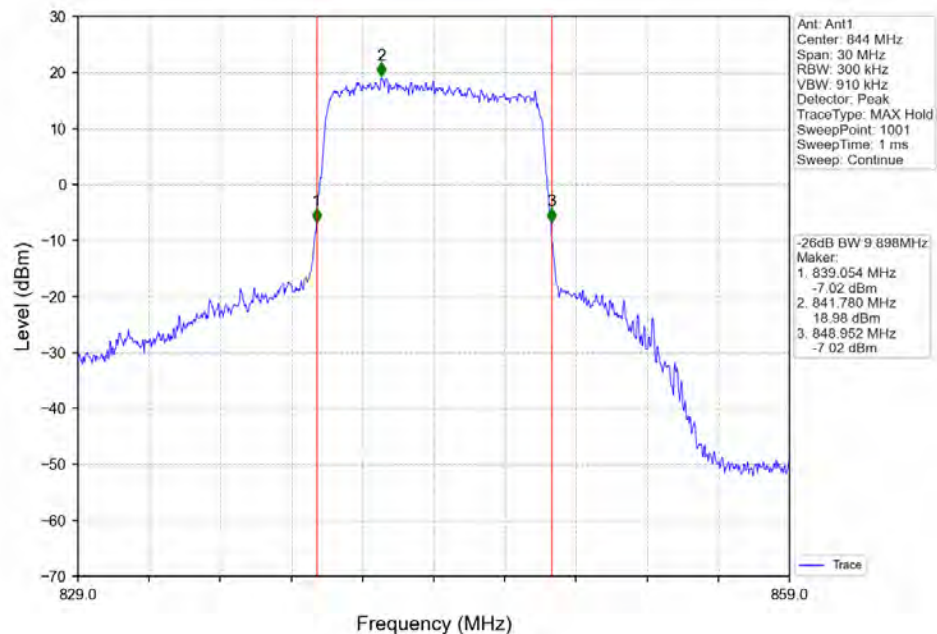




Band 5 10MHz 16QAM MCH 836.5MHz RB 50_0 NTN

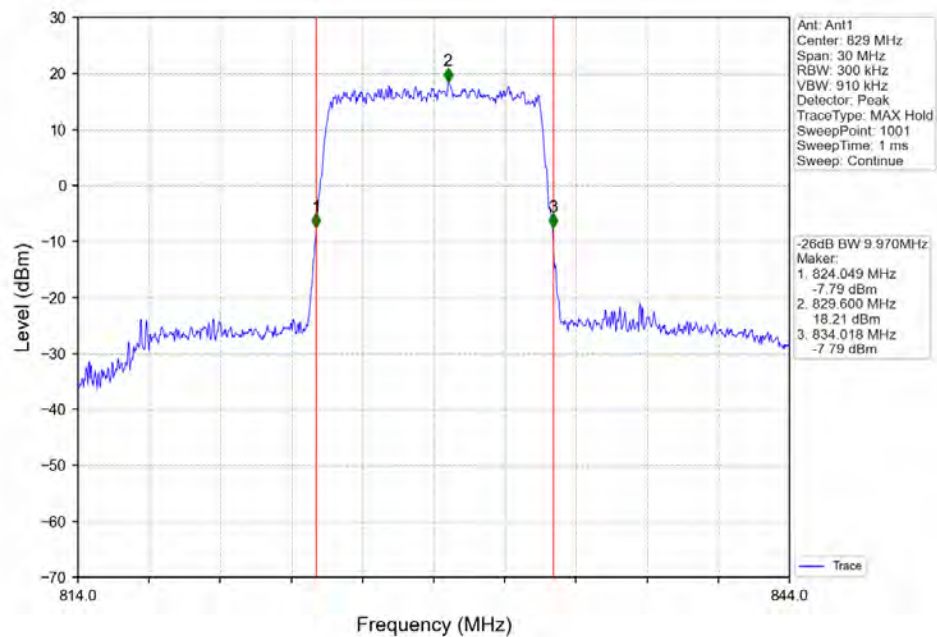


Band 5 10MHz 16QAM HCH 844MHz RB 50_0 NTN

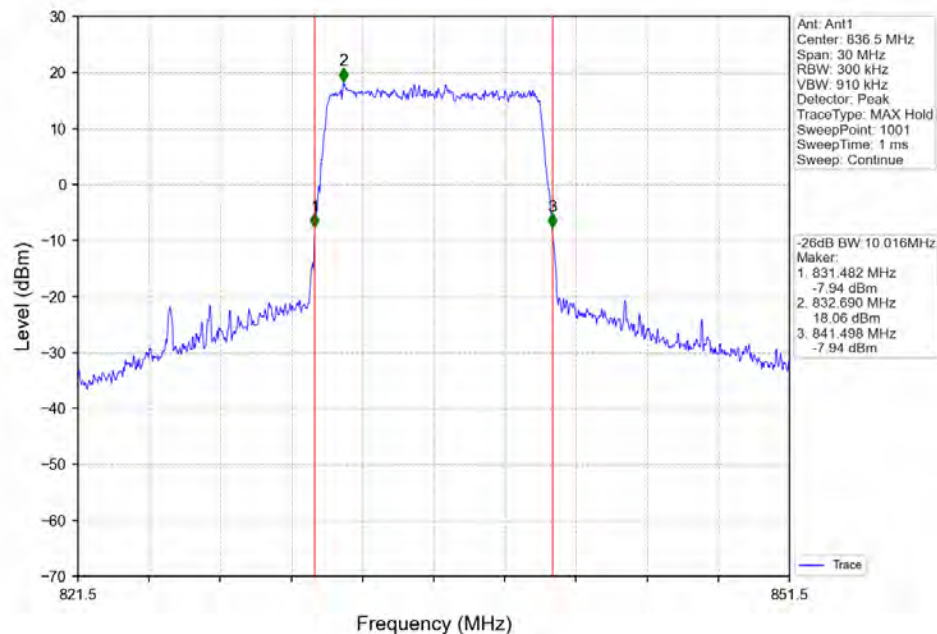


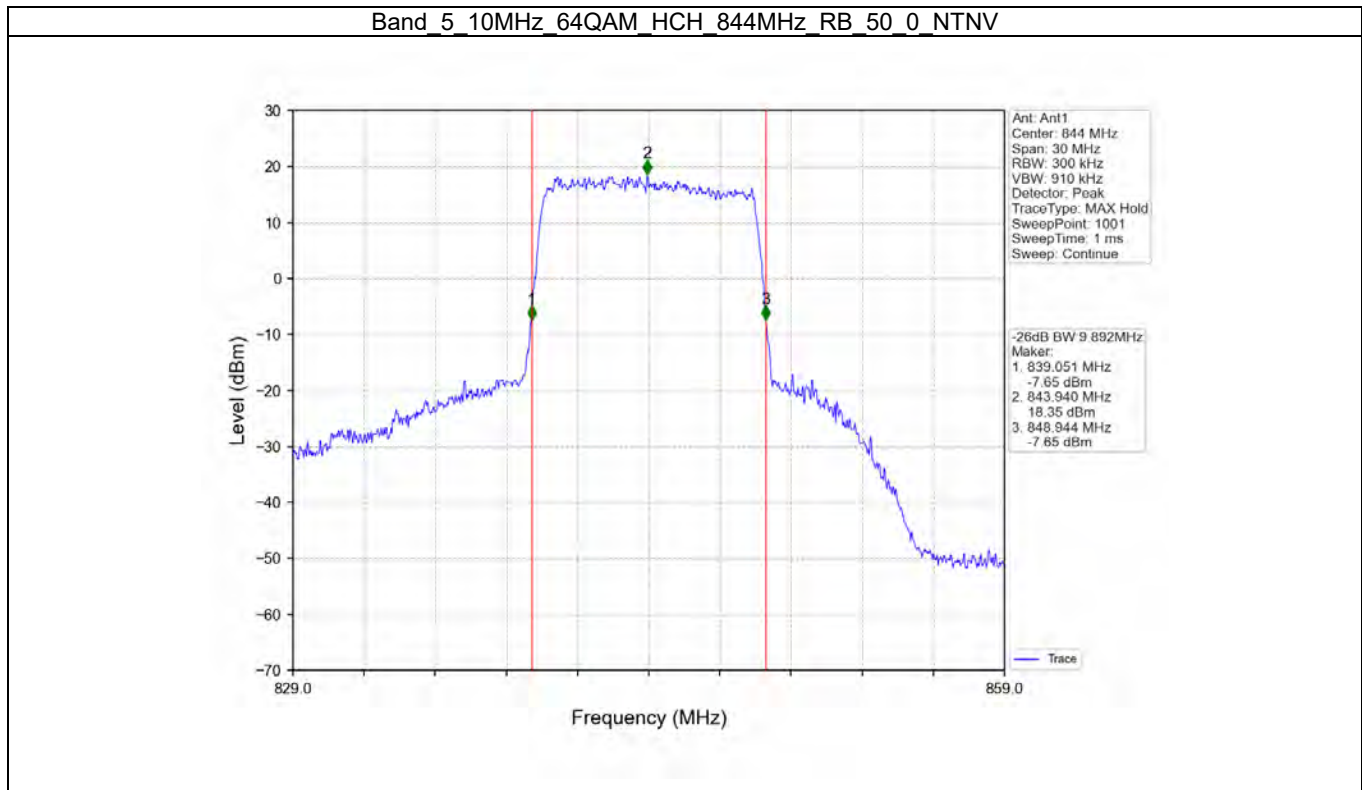


Band 5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band 5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV







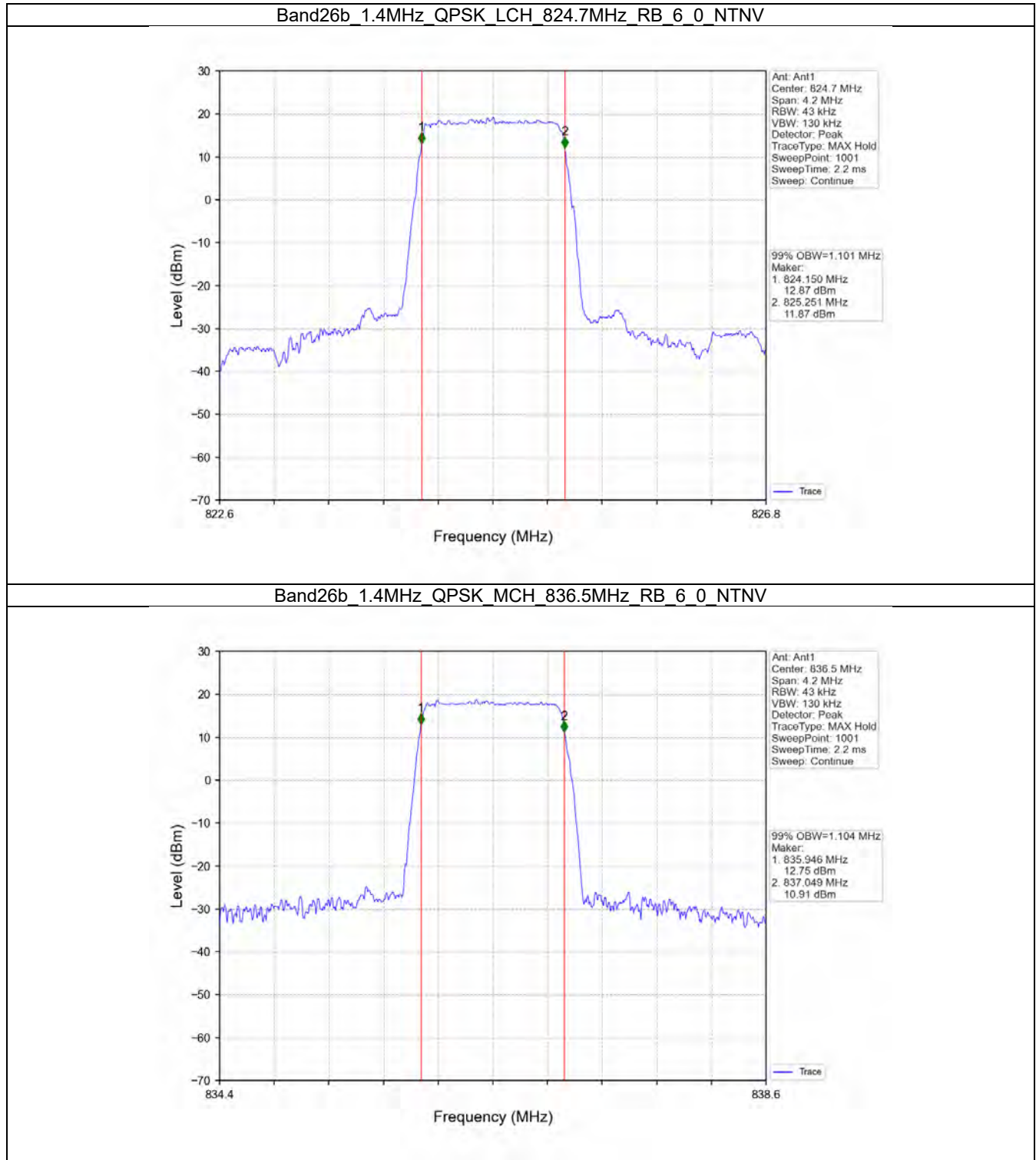
2.7 Band26b_OBW

2.7.1 Test Result

Band: 26b / NTNV								
Bandwidth (MHz)	Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
		Size	Offset	LCH	MCH	HCH		
1.4	QPSK	6	0	1.101	1.104	1.4.04	/	Pass
	16QAM	6	0	1.100	1.111	1.104	/	Pass
	64QAM	6	0	1.104	1.110	1.107	/	Pass
3	QPSK	15	0	2.739	2.746	2.746	/	Pass
	16QAM	15	0	2.727	2.731	2.743	/	Pass
	64QAM	15	0	2.752	2.744	2.747	/	Pass
5	QPSK	25	0	4.543	4.548	4.573	/	Pass
	16QAM	25	0	4.547	4.563	4.549	/	Pass
	64QAM	25	0	4.559	4.555	4.557	/	Pass
10	QPSK	50	0	9.007	9.058	9.037	/	Pass
	16QAM	50	0	9.025	9.053	9.026	/	Pass
	64QAM	50	0	9.019	9.057	9.003	/	Pass
15	QPSK	75	0	13.547	13.573	13.551	/	Pass
	16QAM	75	0	13.548	13.565	13.541	/	Pass
	64QAM	75	0	13.584	13.551	13.587	/	Pass

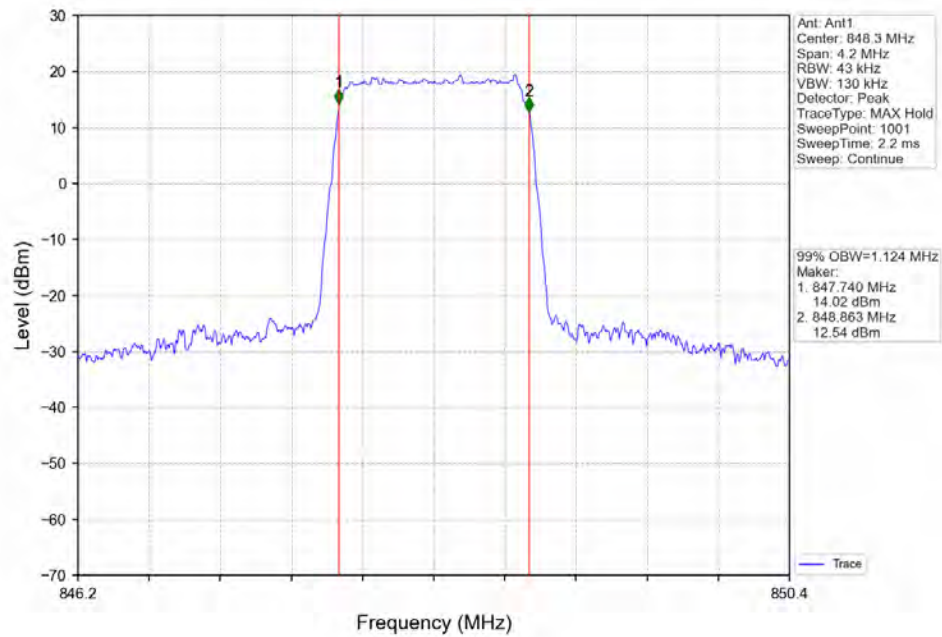


2.7.2 Test Graph

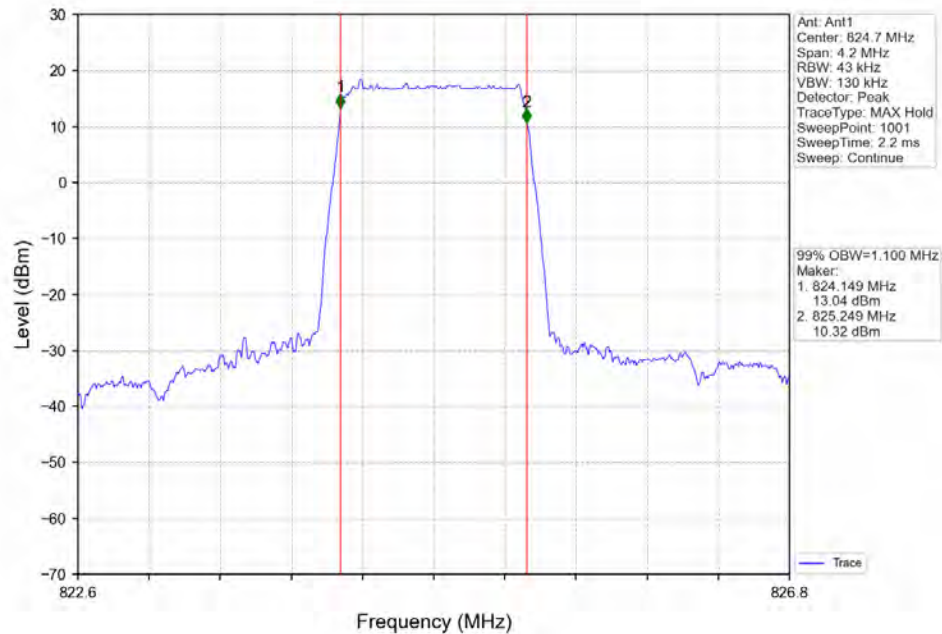




Band26b_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV

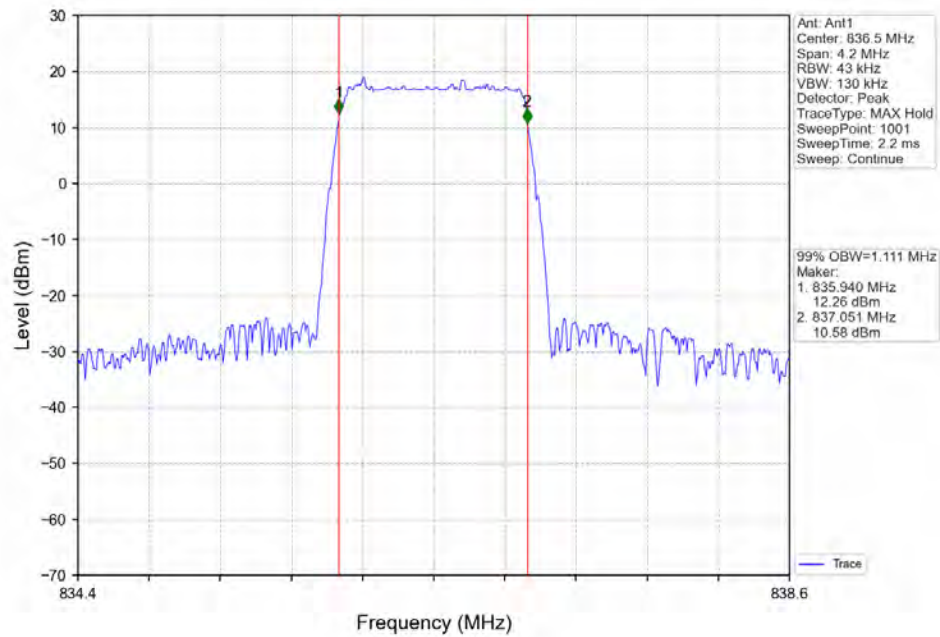


Band26b_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

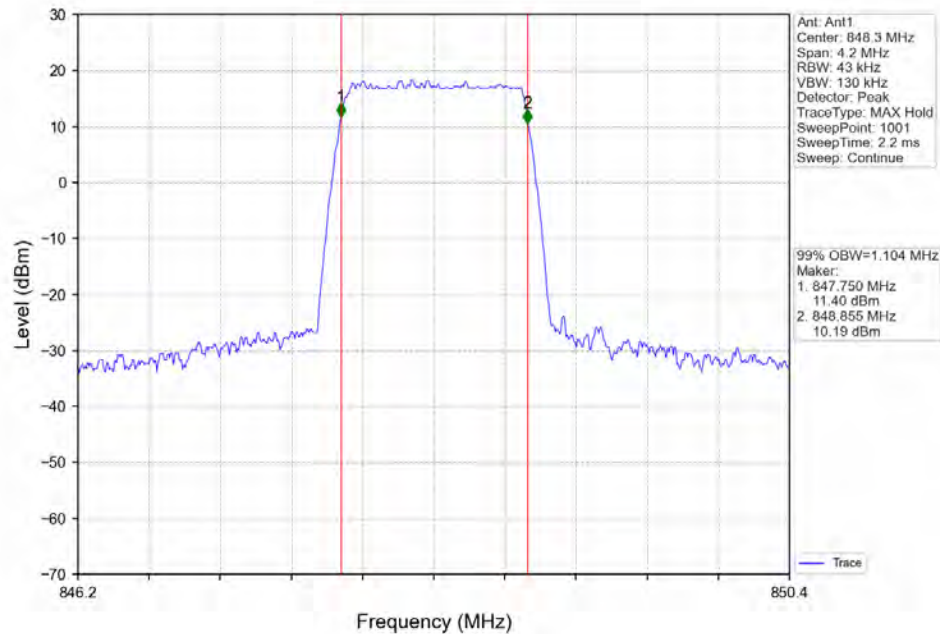




Band26b_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

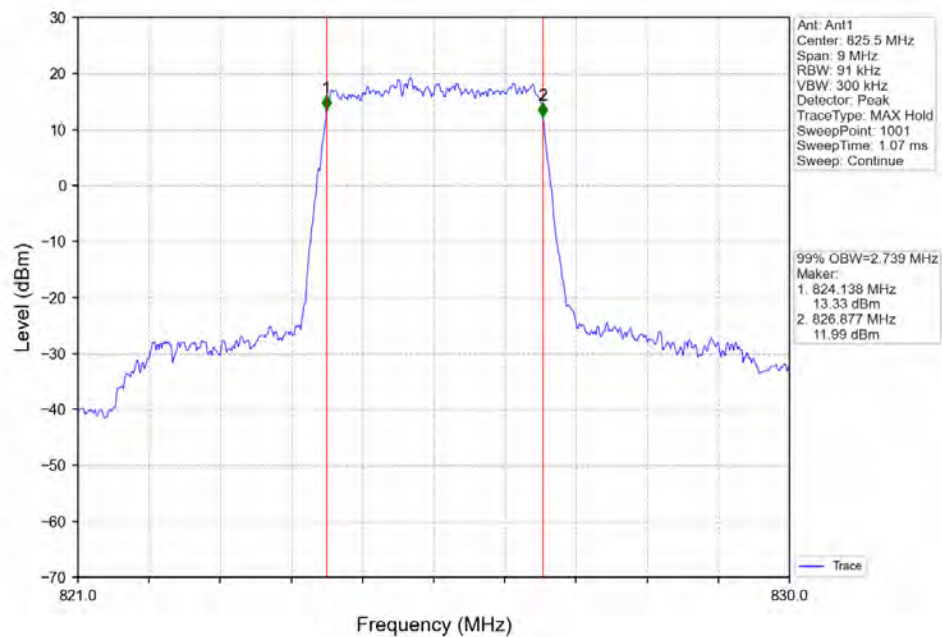


Band26b_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

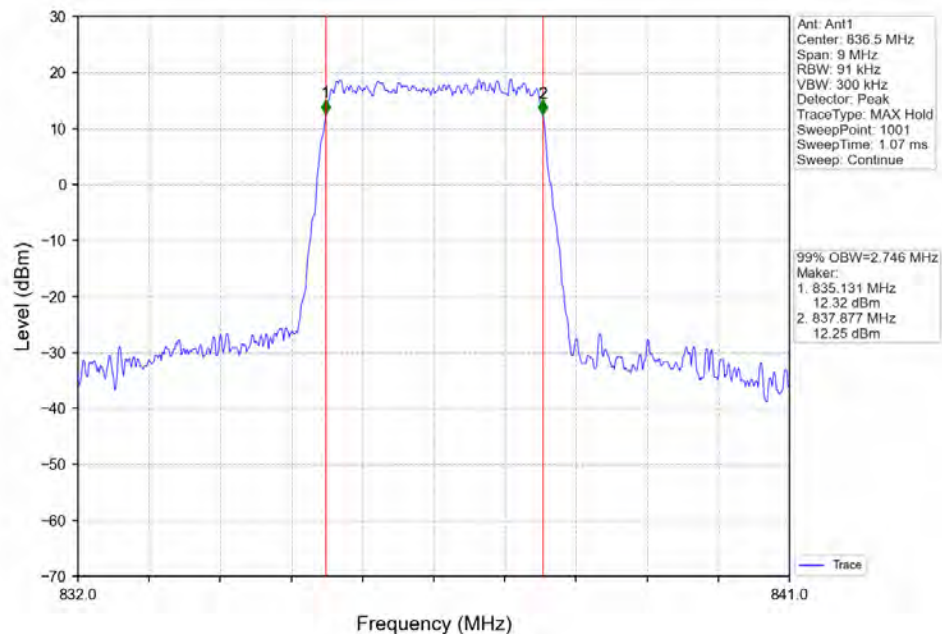


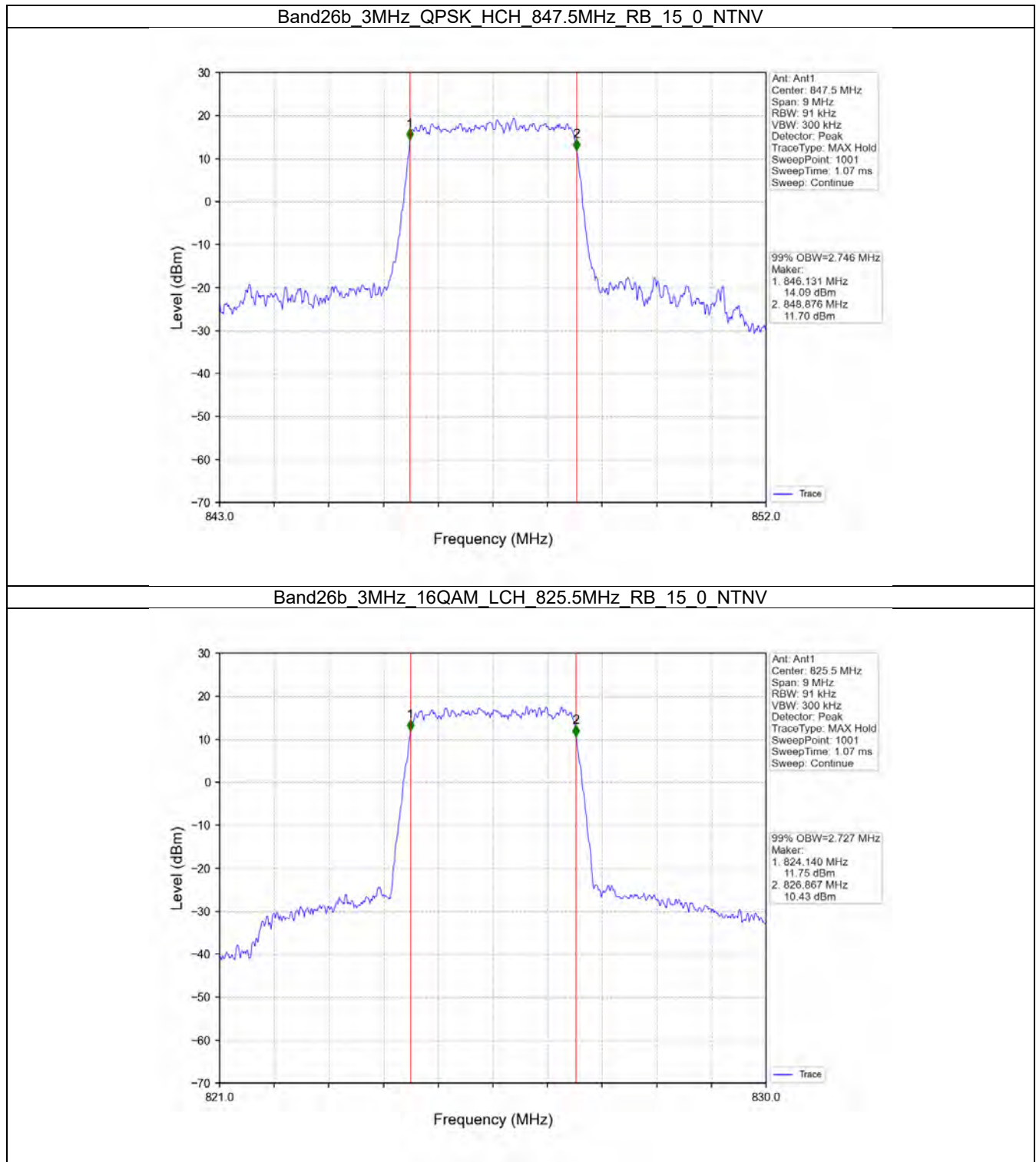


Band26b_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



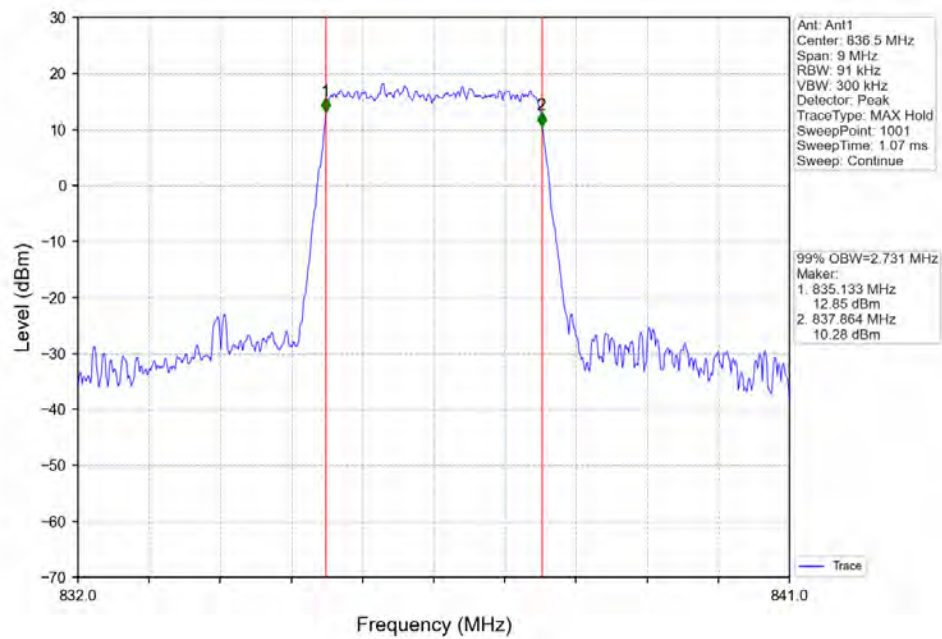
Band26b_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



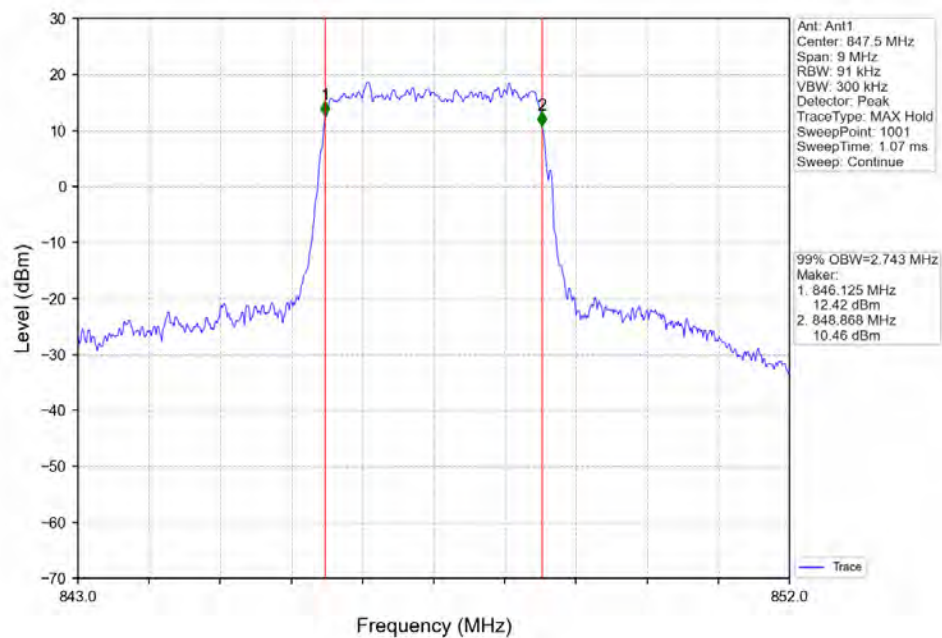




Band26b_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

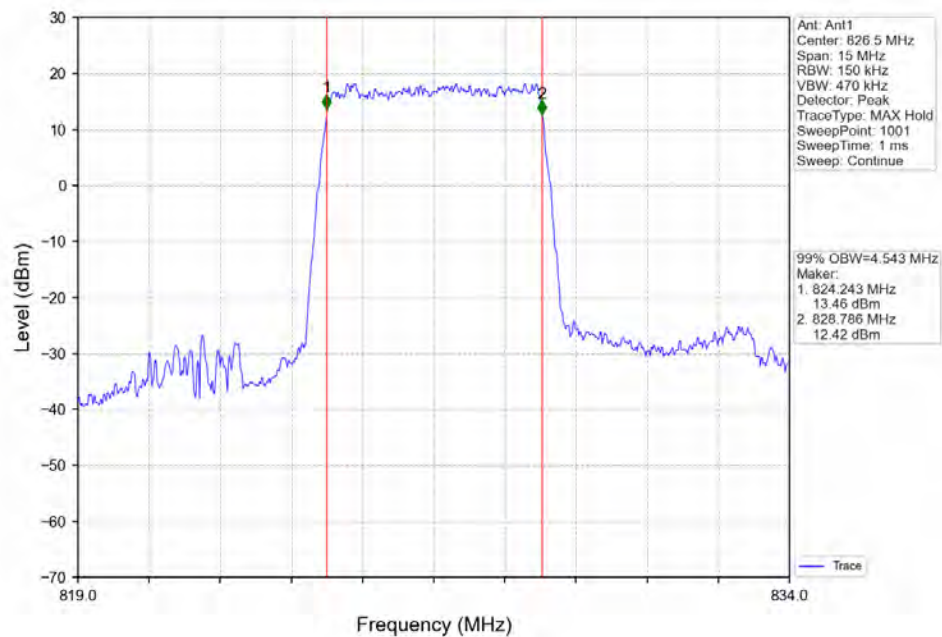


Band26b_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

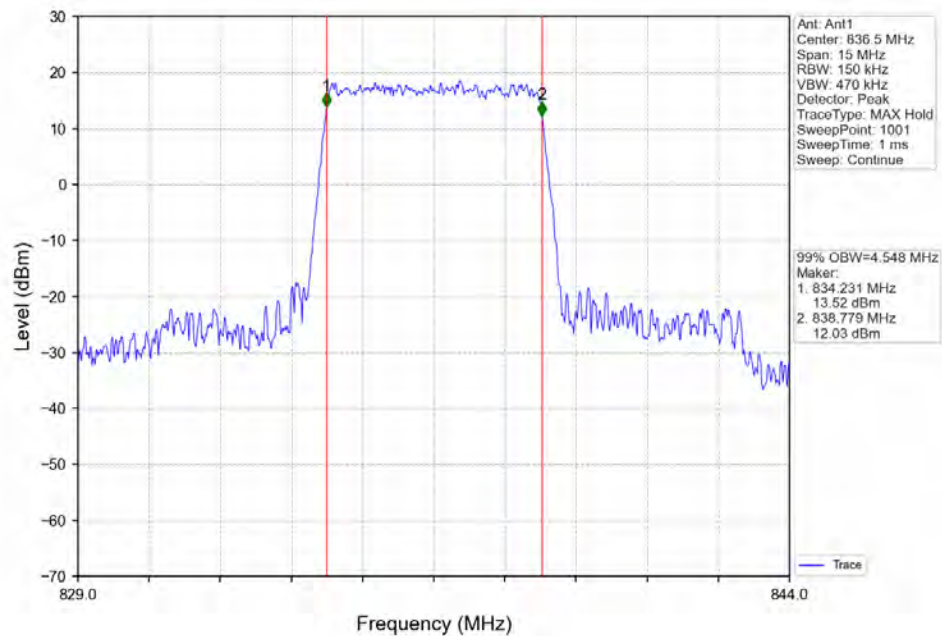


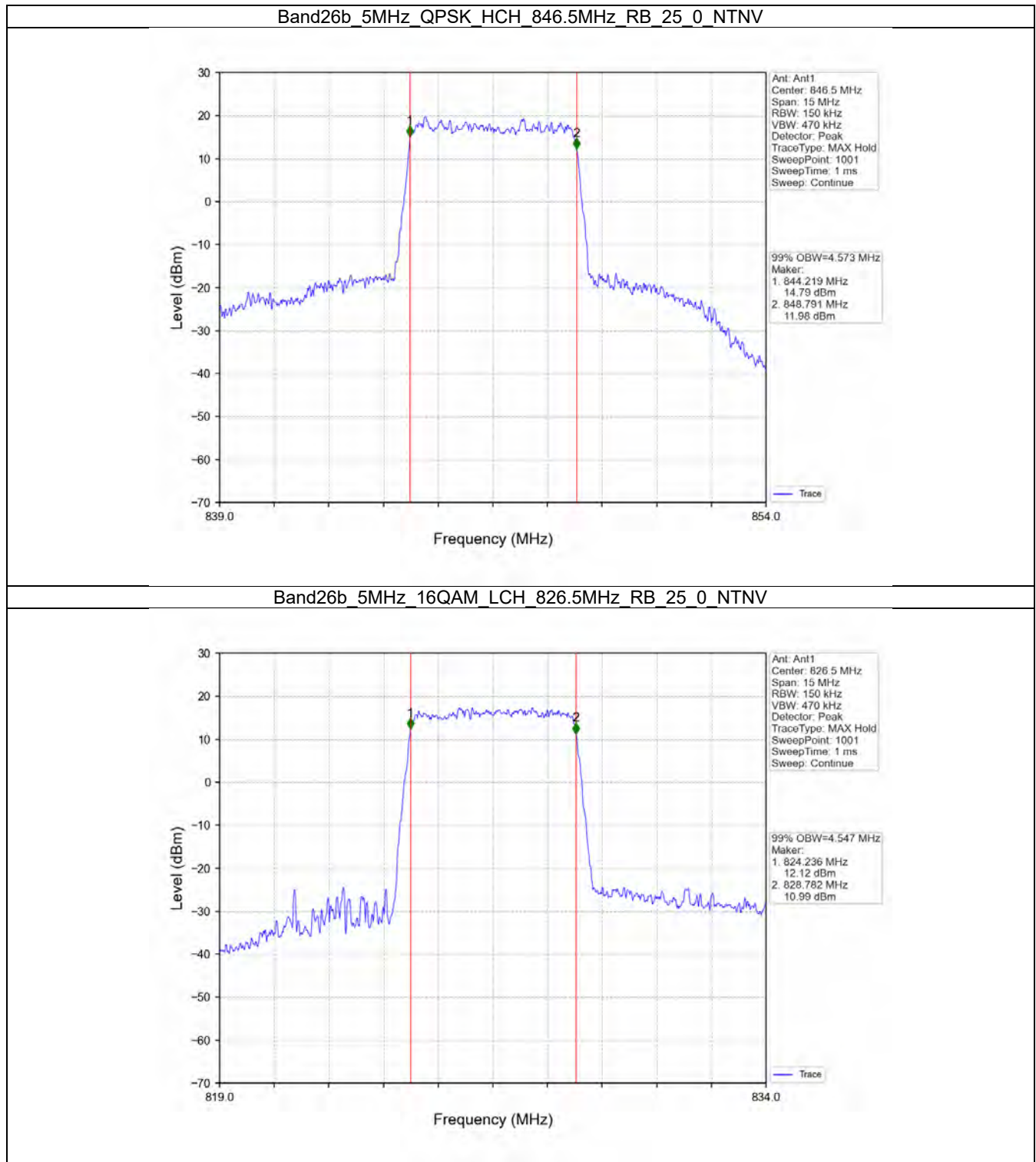


Band26b_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



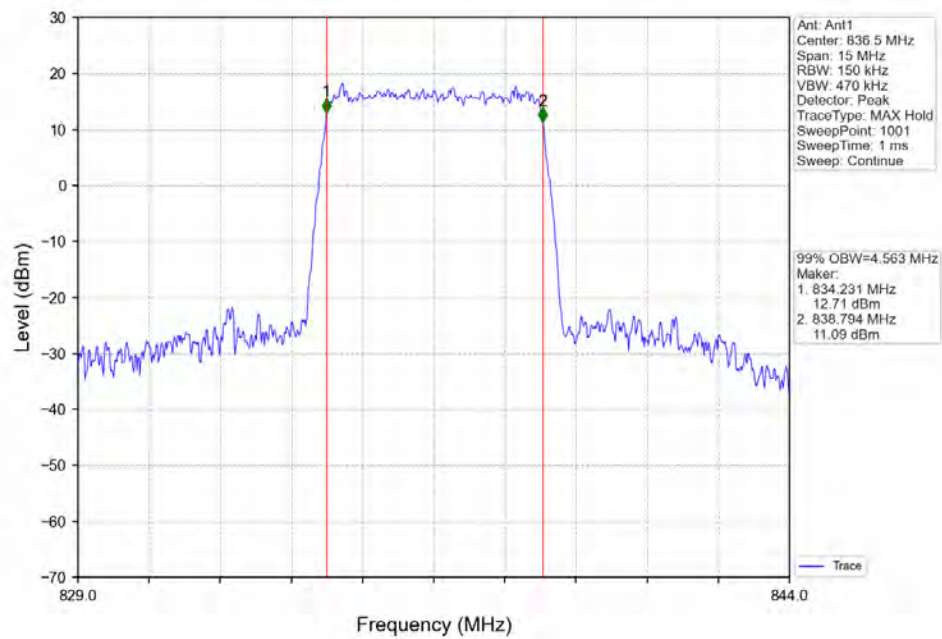
Band26b_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



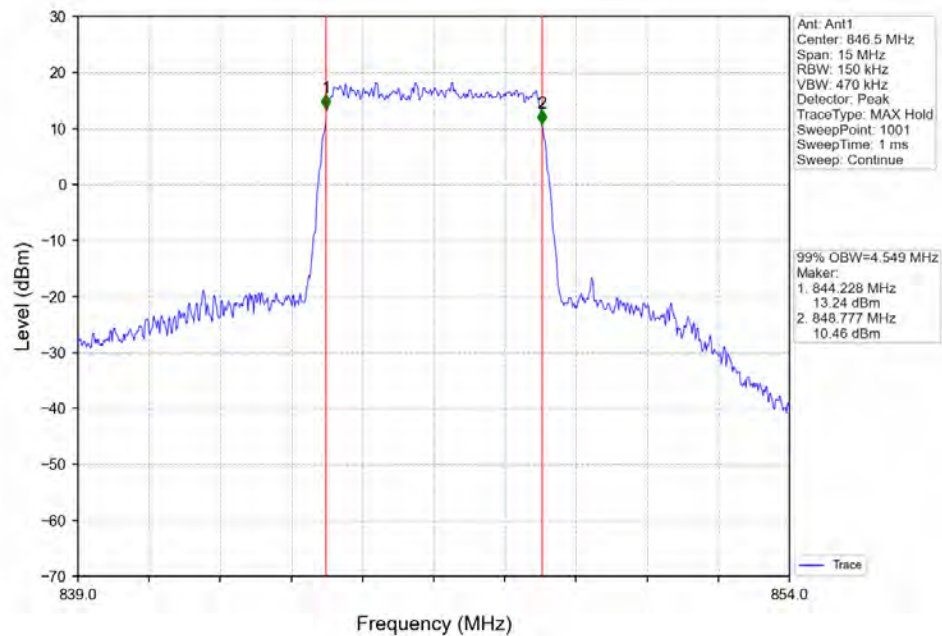




Band26b_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

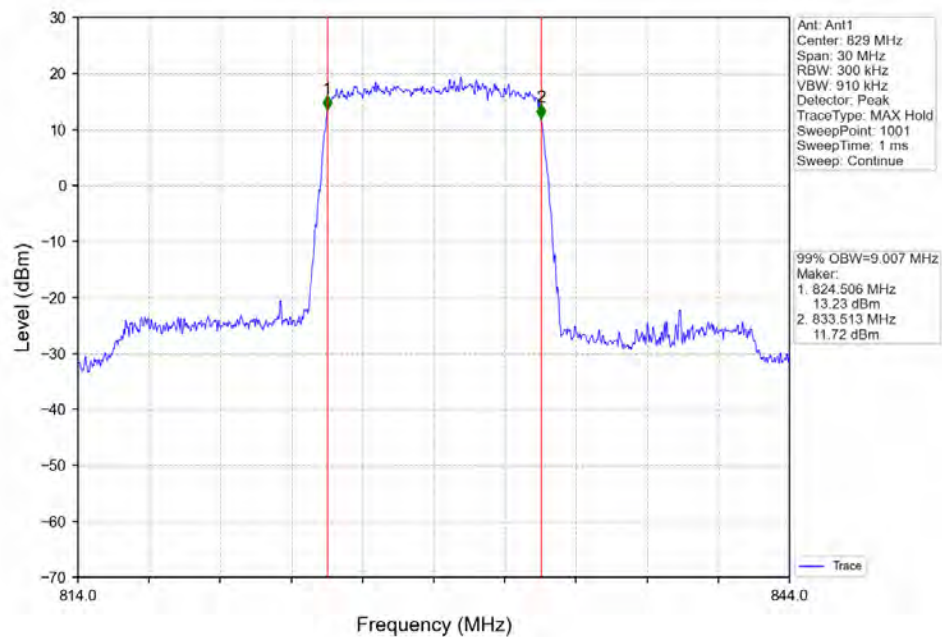


Band26b_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

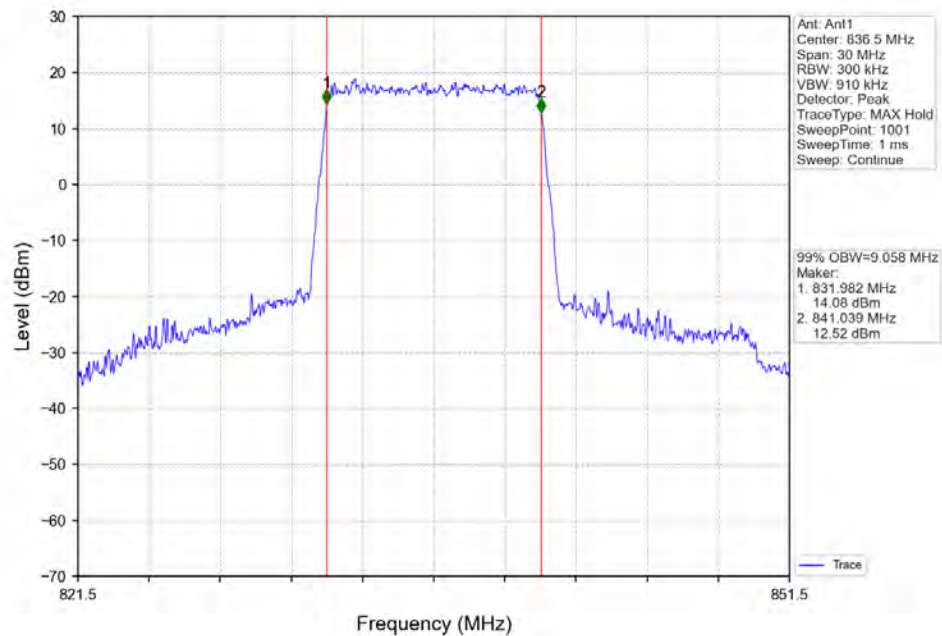




Band26b_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

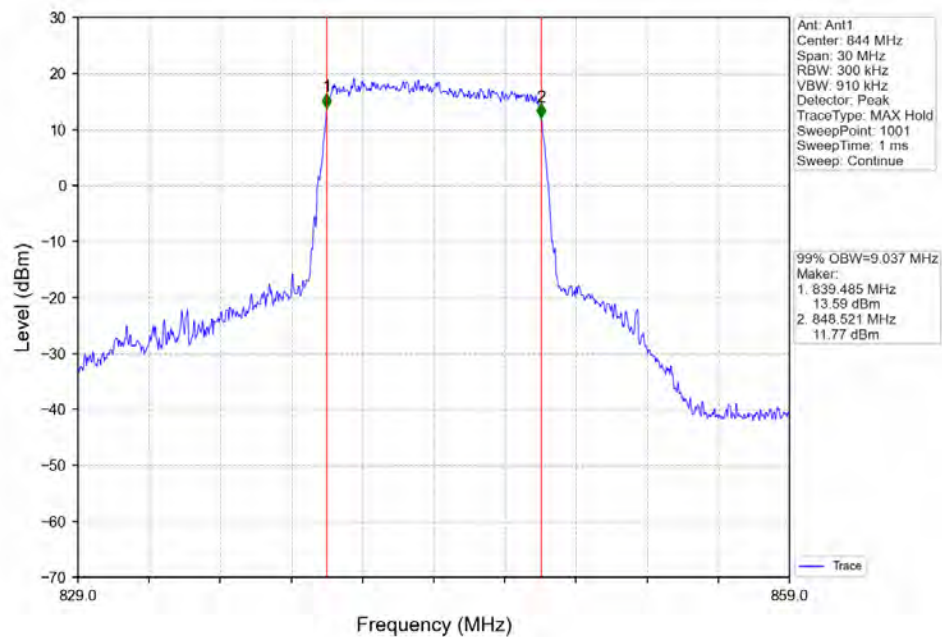


Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

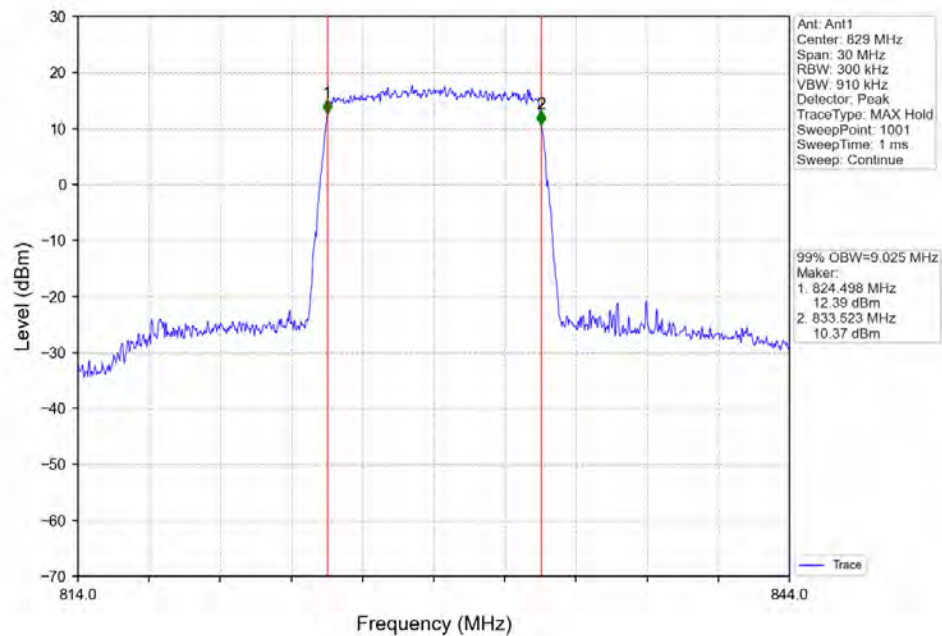




Band26b_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

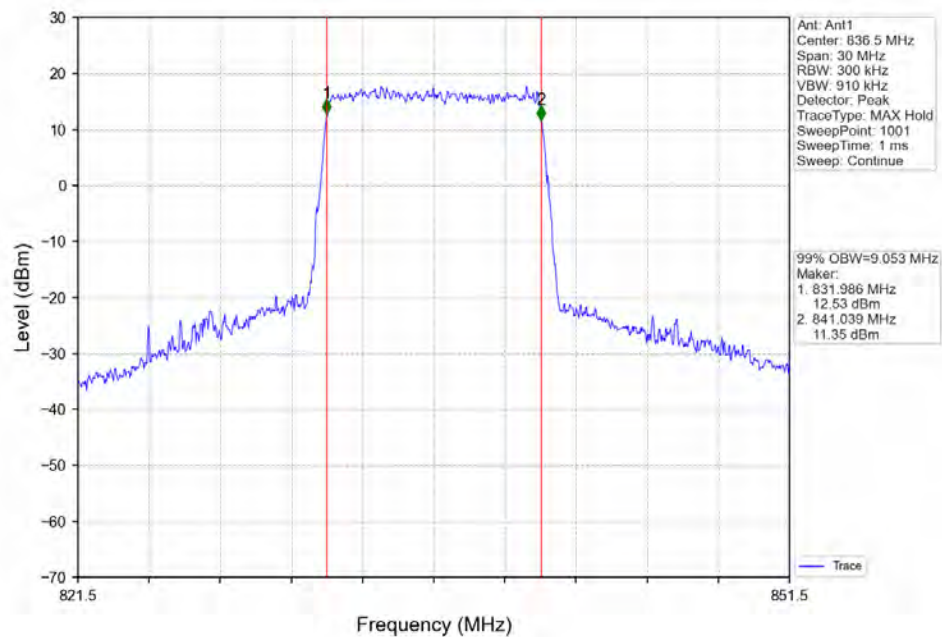


Band26b_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

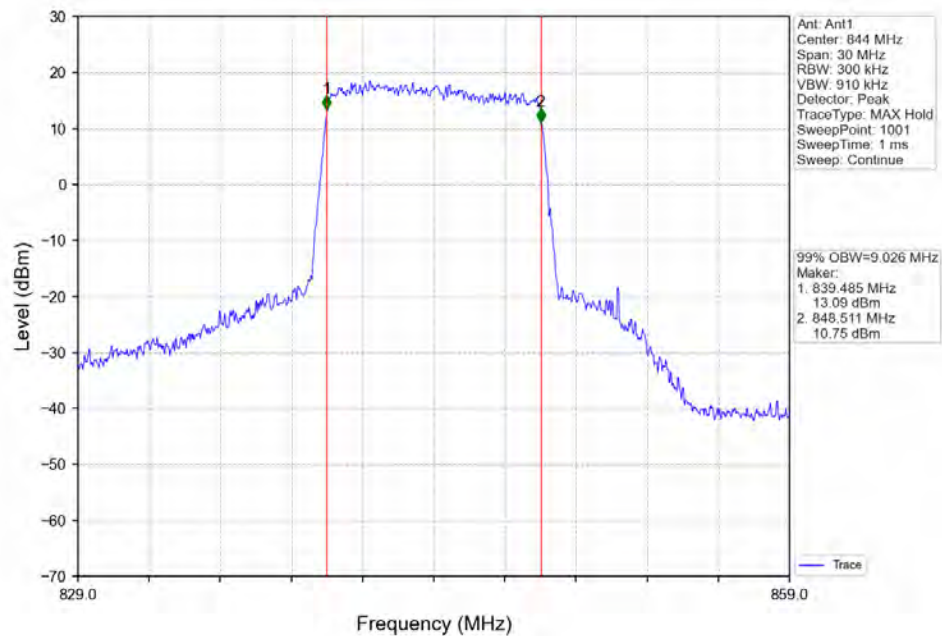




Band26b_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

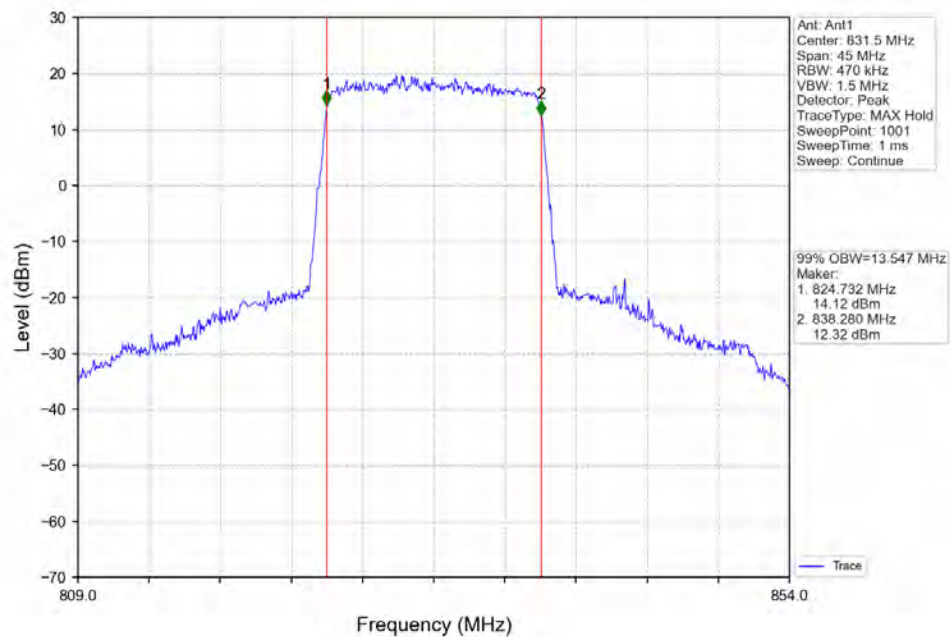


Band26b_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

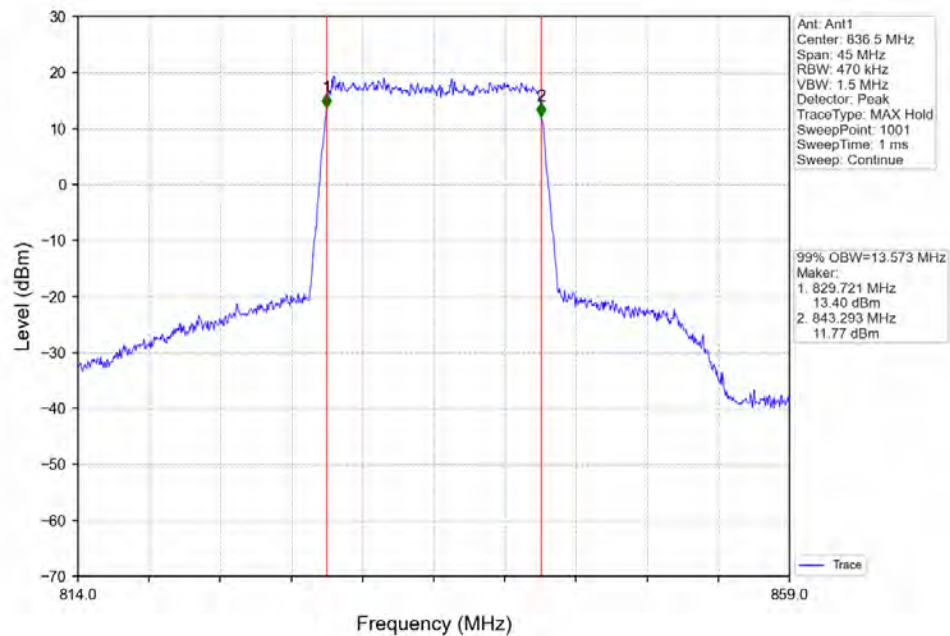




Band26b_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV

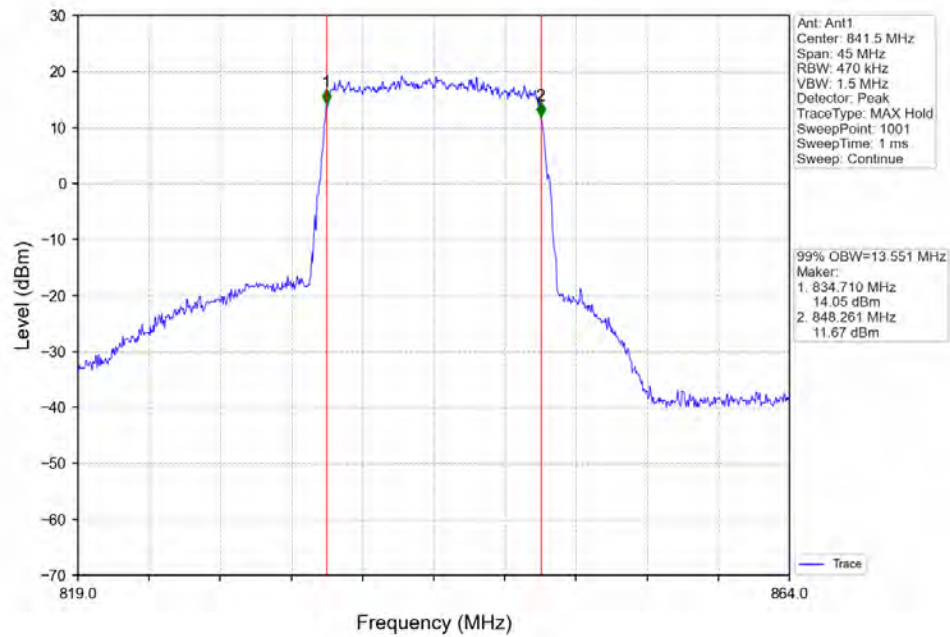


Band26b_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV

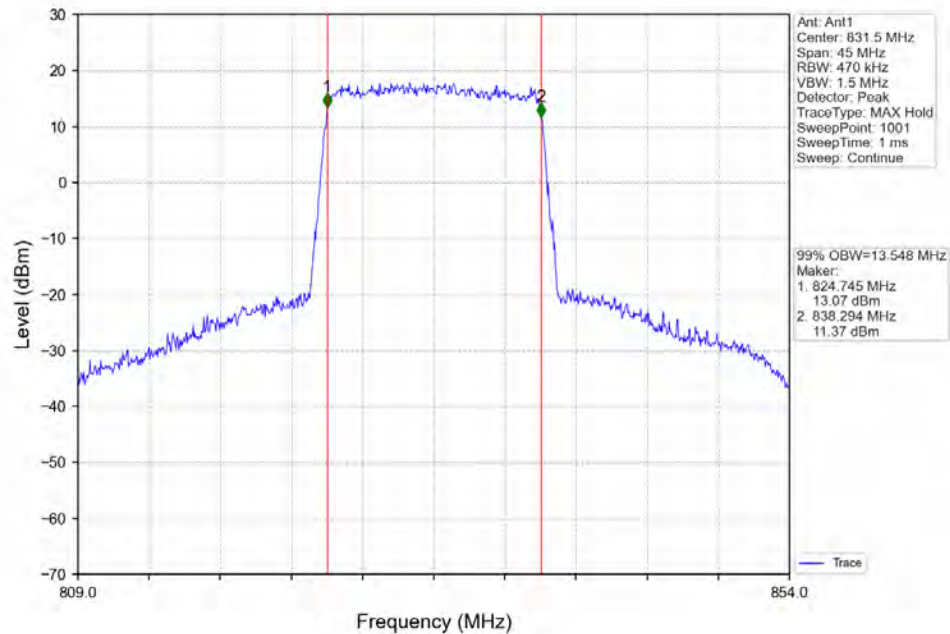




Band26b_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV

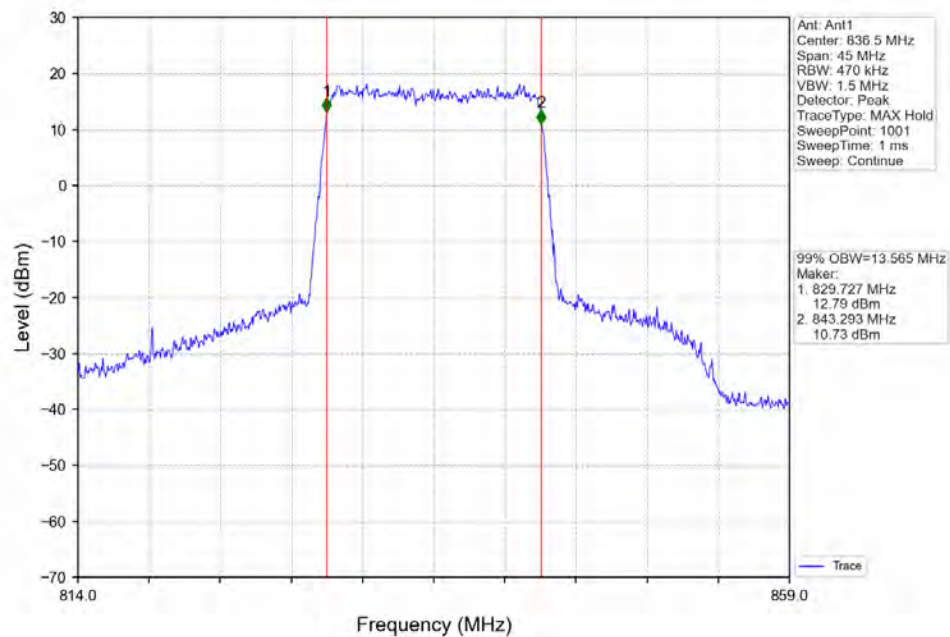


Band26b_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV

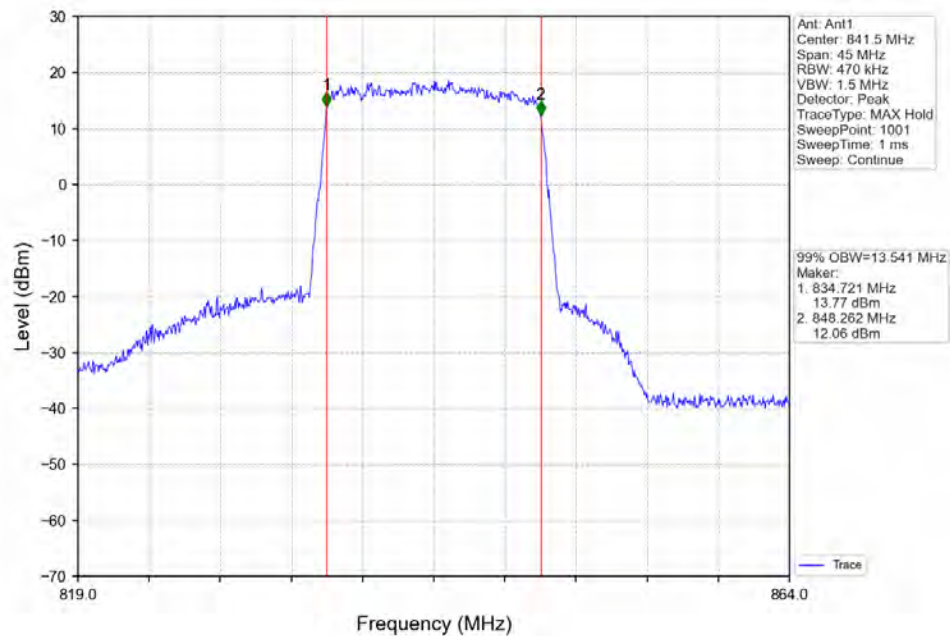




Band26b_15MHz_16QAM_MCH_836.5MHz_RB_75_0_NTNV

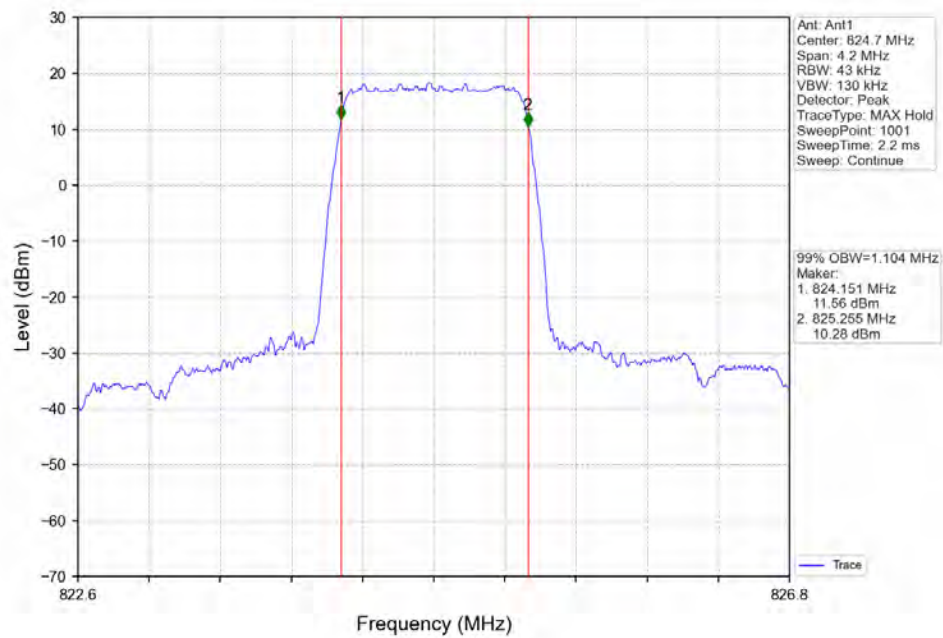


Band26b_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV

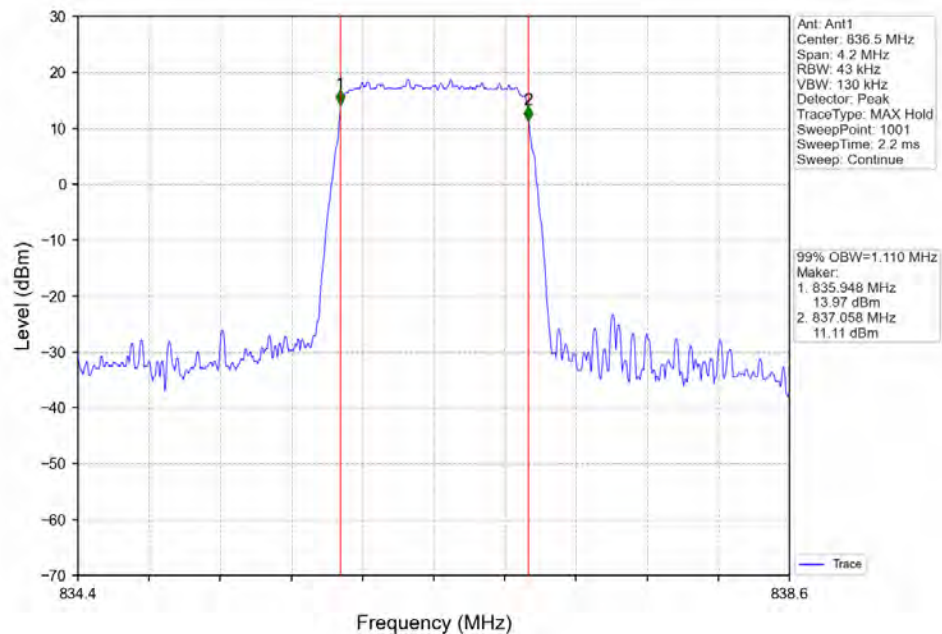




Band26b_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV

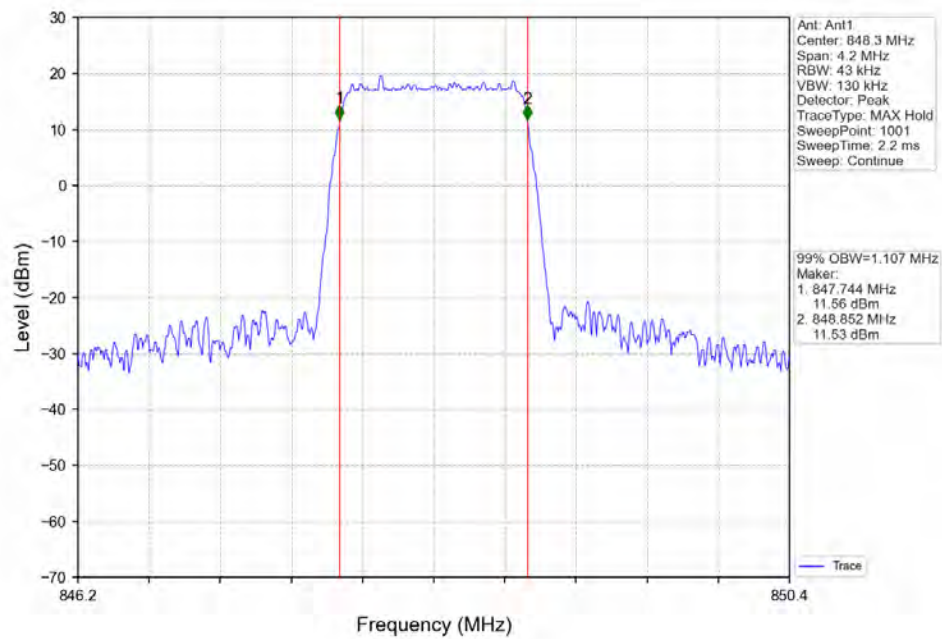


Band26b_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV

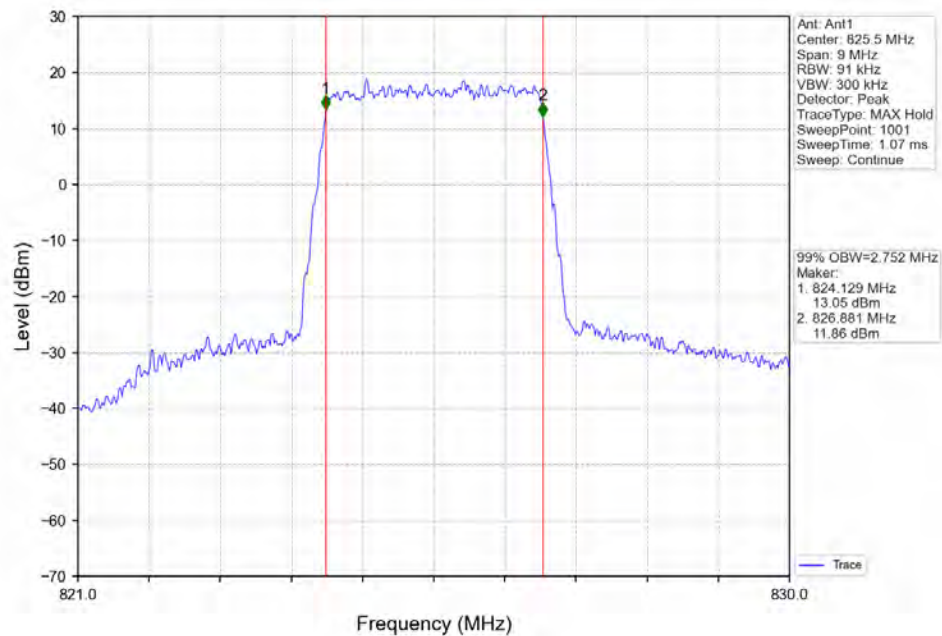




Band26b_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV

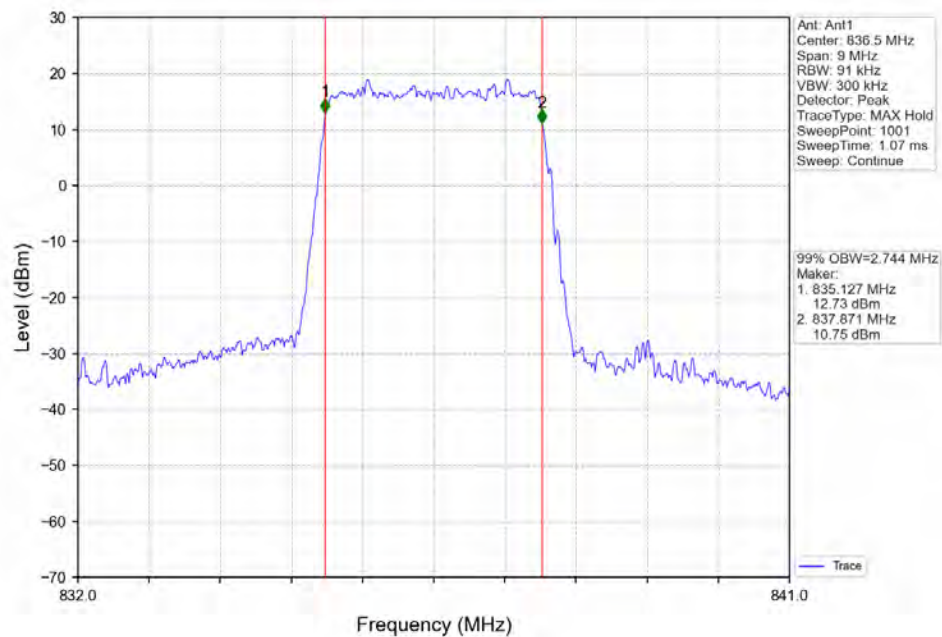


Band26b_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

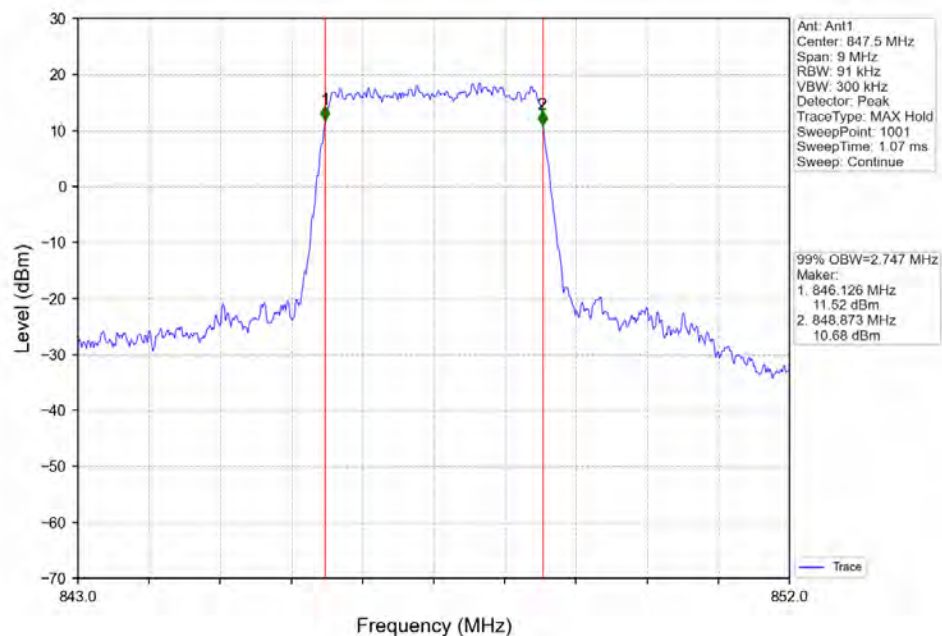




Band26b_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV

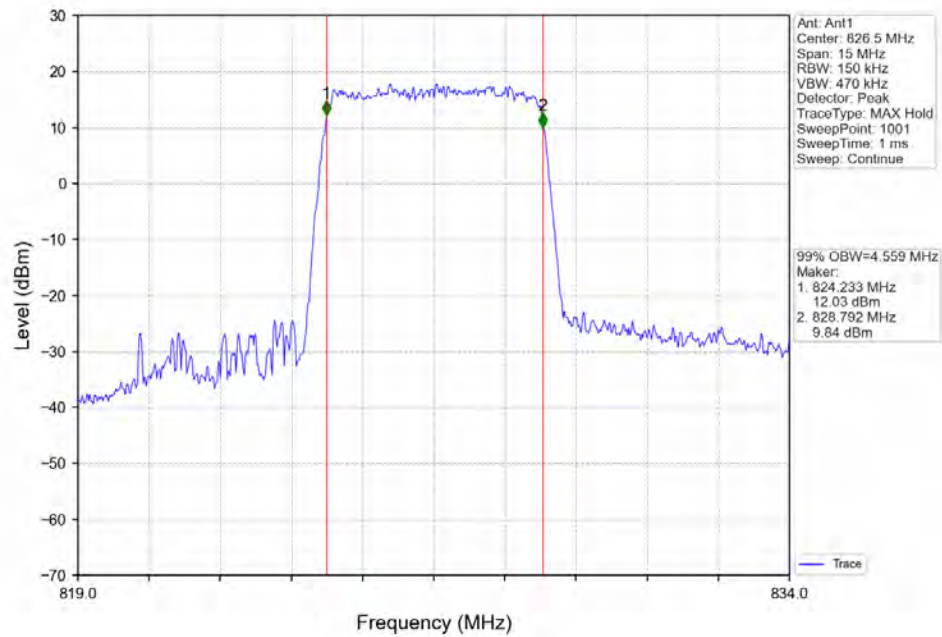


Band26b_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV

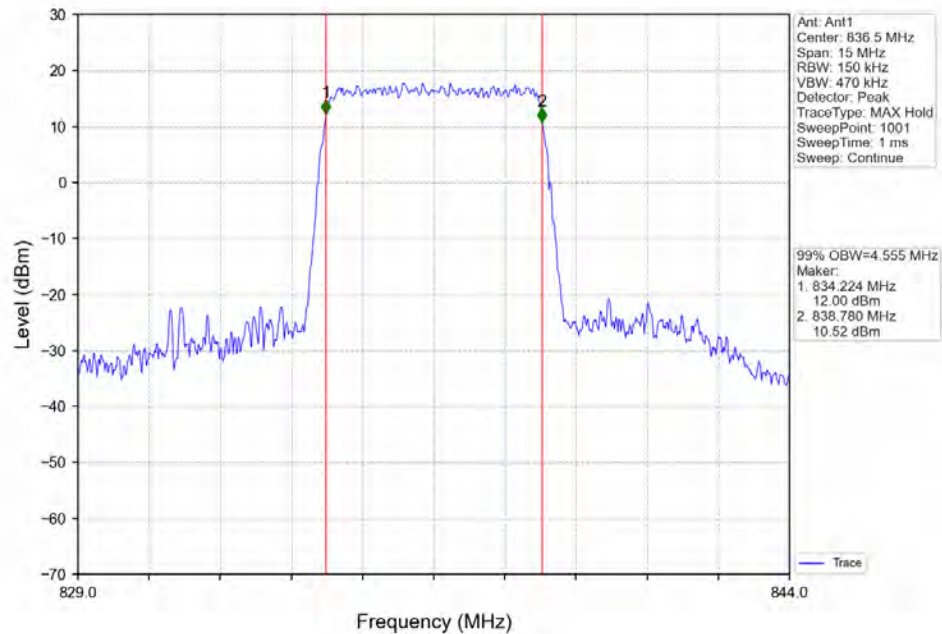




Band26b_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV

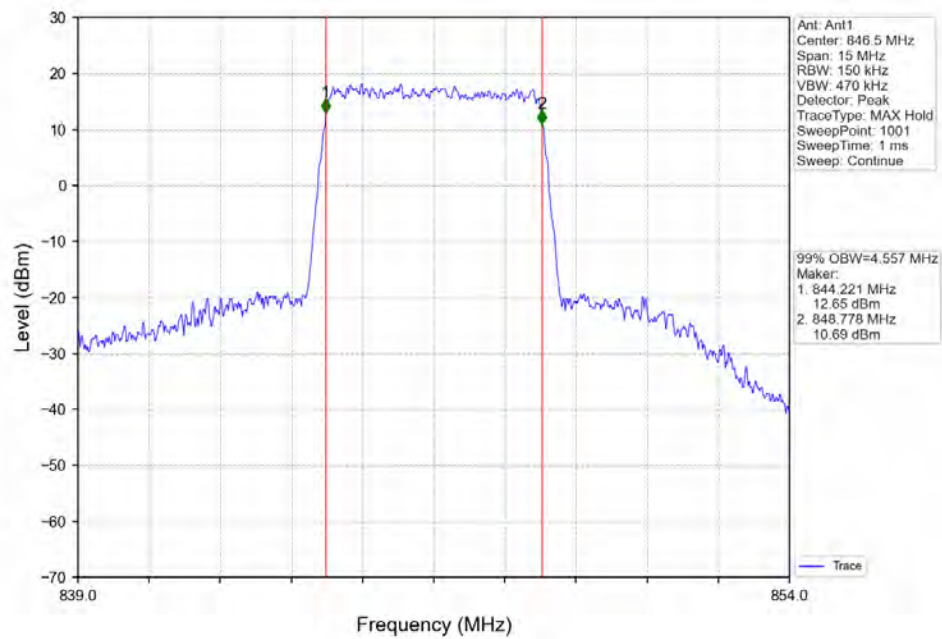


Band26b_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

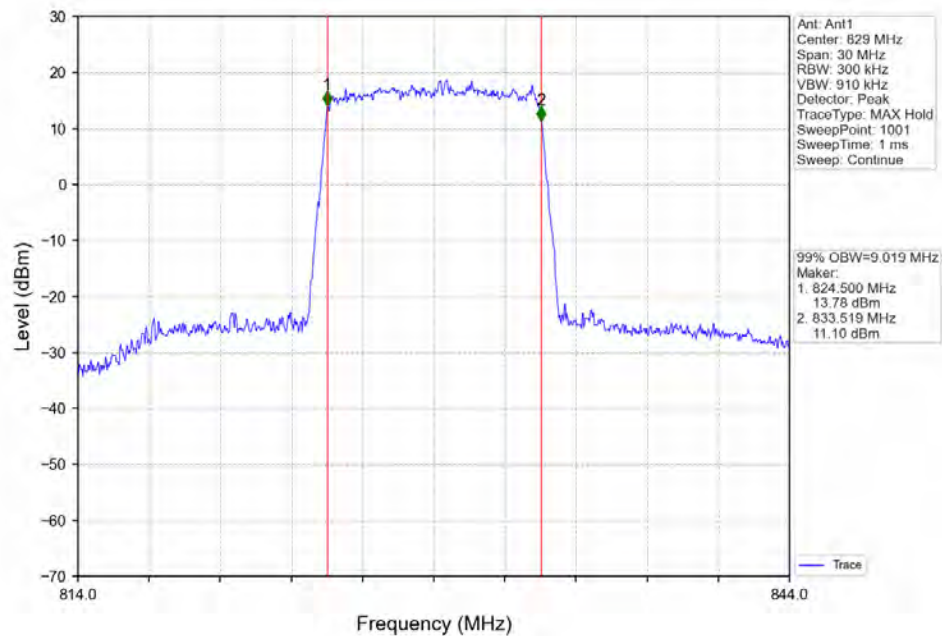




Band26b_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV

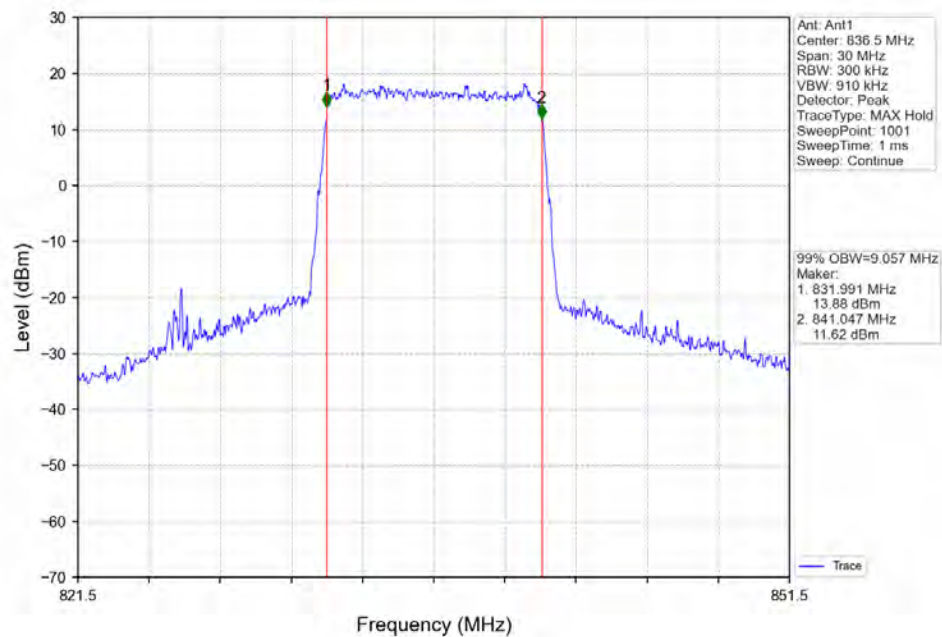


Band26b_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV

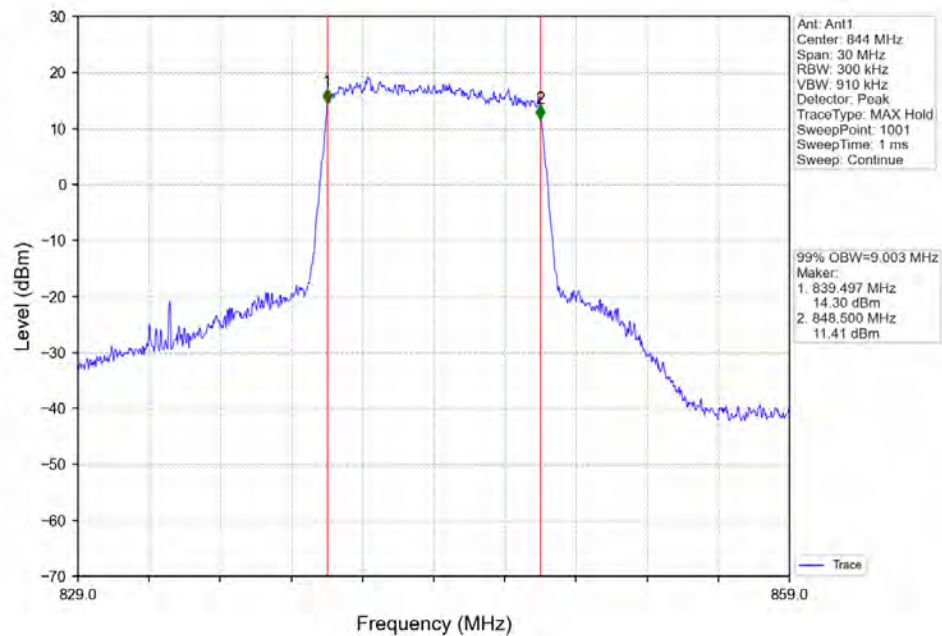




Band26b_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV

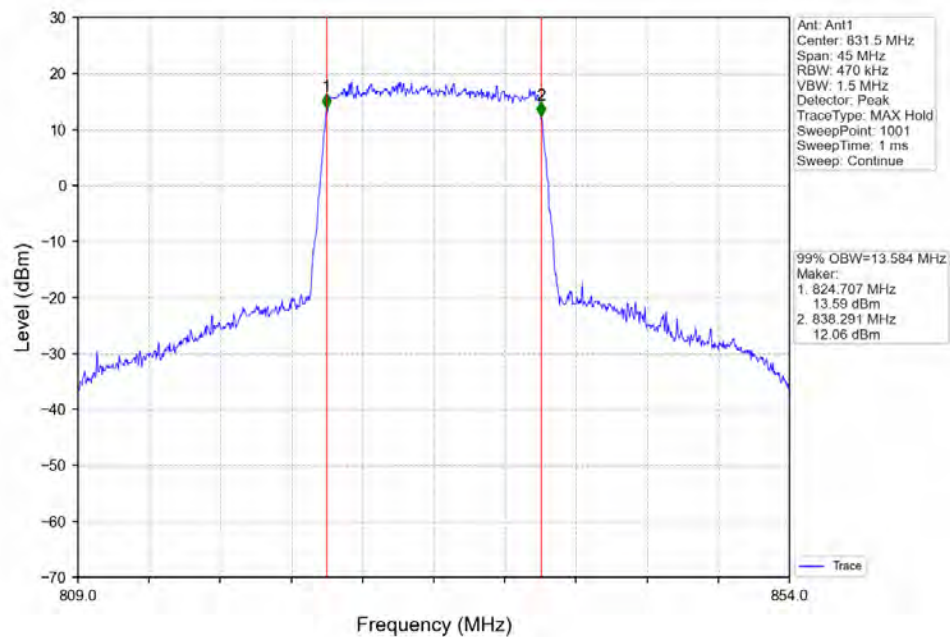


Band26b_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV

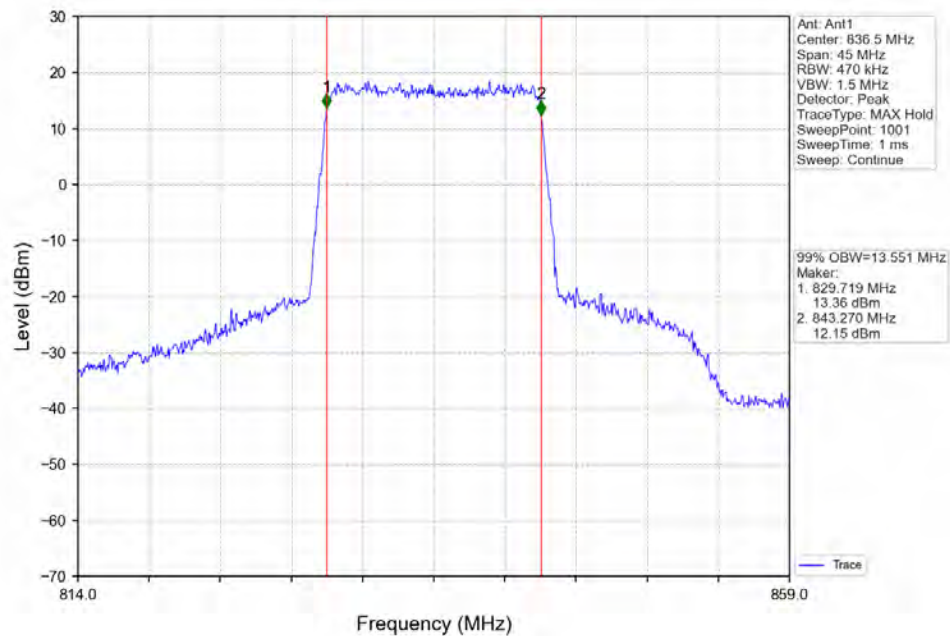


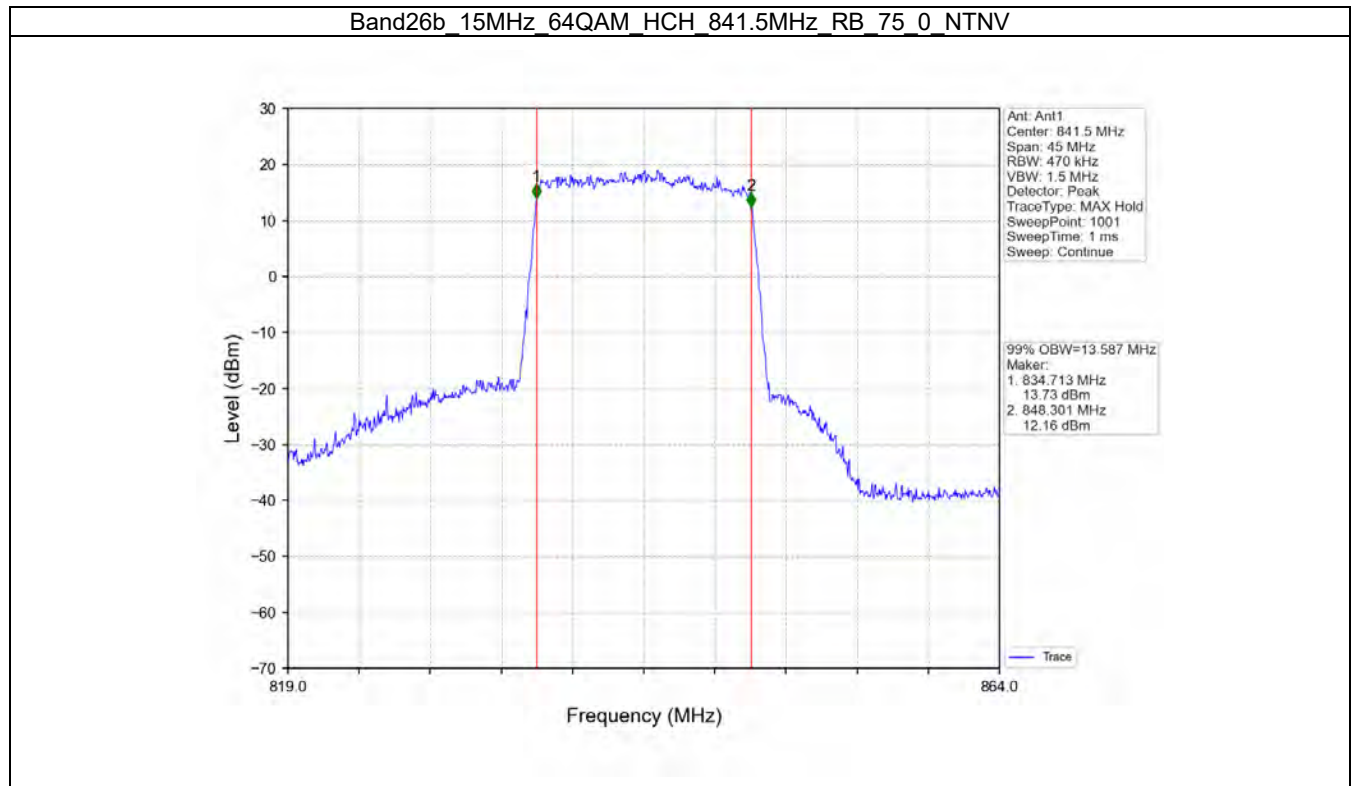


Band26b_15MHz_64QAM_LCH_831.5MHz_RB_75_0_NTNV



Band26b_15MHz_64QAM_MCH_836.5MHz_RB_75_0_NTNV







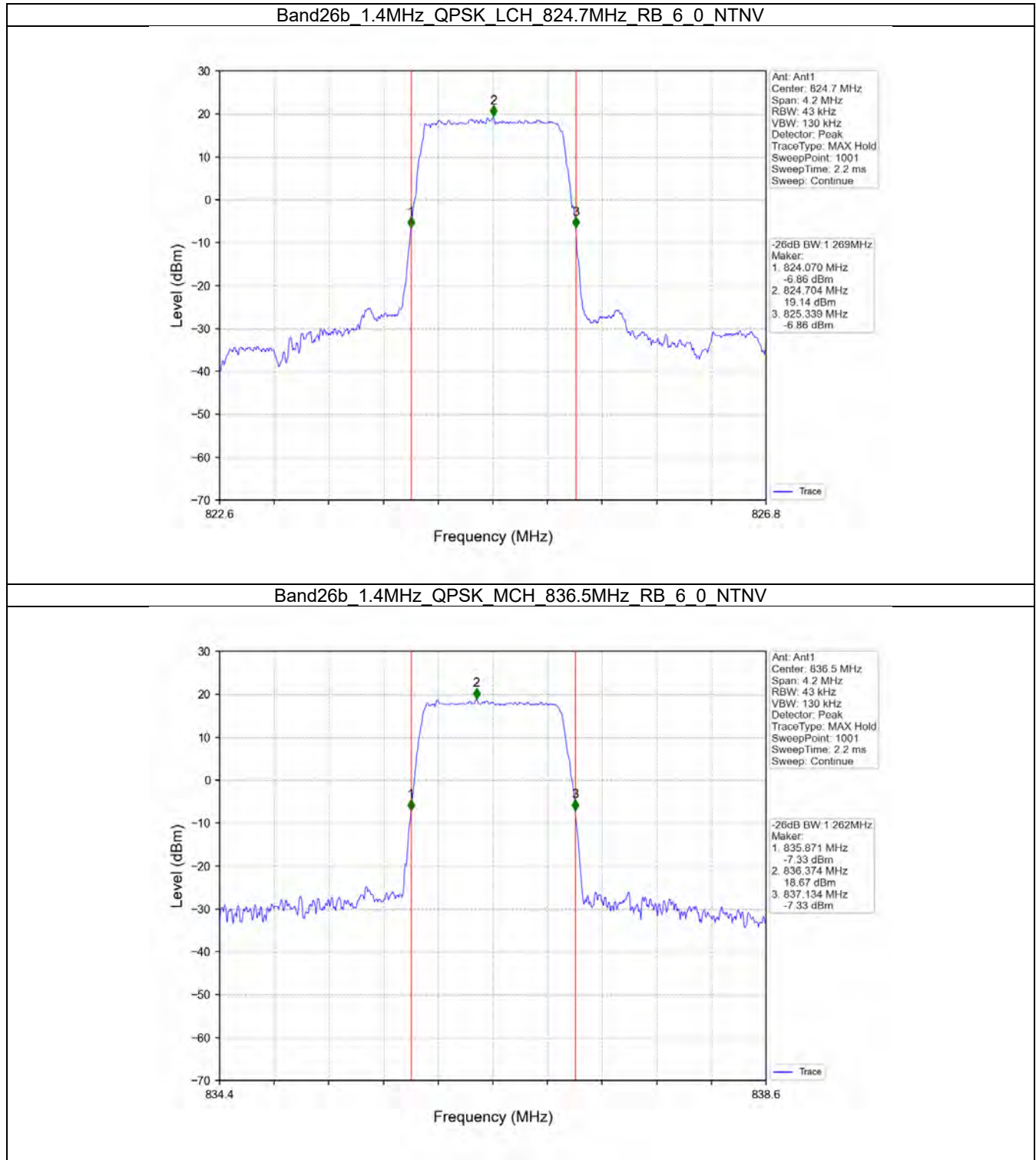
2.8 Band26b_26DB

2.8.1 Test Result

Band: 26b / NTNV								
Bandwidth (MHz)	Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
		Size	Offset	LCH	MCH	HCH		
1.4	QPSK	6	0	1.269	1.262	1.261	/	Pass
	16QAM	6	0	1.251	1.270	1.267	/	Pass
	64QAM	6	0	1.266	1.270	1.255	/	Pass
3	QPSK	15	0	3.059	3.096	3.057	/	Pass
	16QAM	15	0	3.084	3.073	3.046	/	Pass
	64QAM	15	0	3.093	3.043	3.100	/	Pass
5	QPSK	25	0	5.046	5.061	5.058	/	Pass
	16QAM	25	0	5.071	5.072	5.001	/	Pass
	64QAM	25	0	5.082	5.068	5.069	/	Pass
10	QPSK	50	0	9.898	9.995	10.004	/	Pass
	16QAM	50	0	9.930	9.992	9.951	/	Pass
	64QAM	50	0	9.914	9.917	9.900	/	Pass
15	QPSK	75	0	14.933	14.863	15.045	/	Pass
	16QAM	75	0	15.009	14.954	14.939	/	Pass
	64QAM	75	0	14.874	14.941	14.957	/	Pass

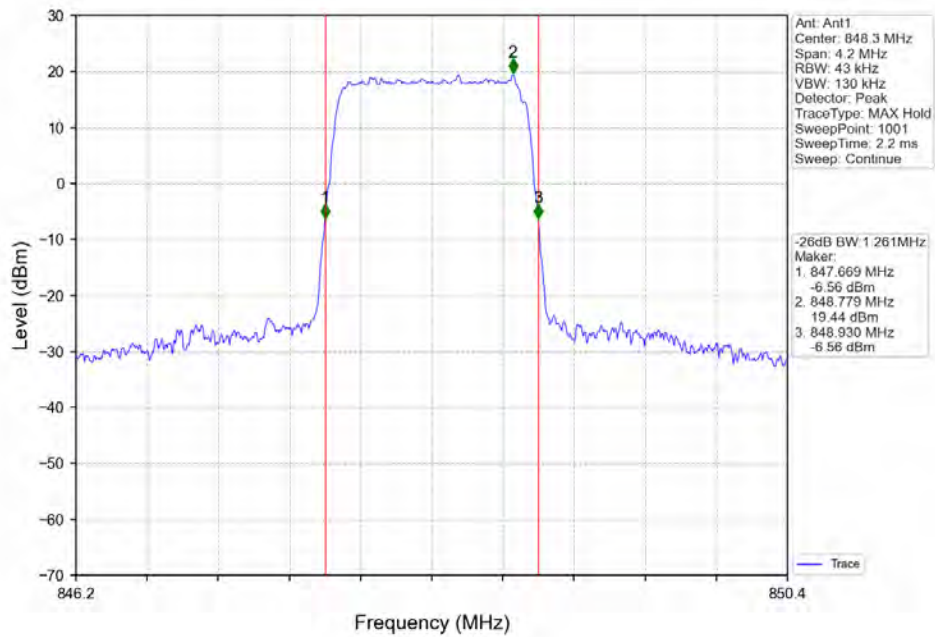


2.8.2 Test Graph

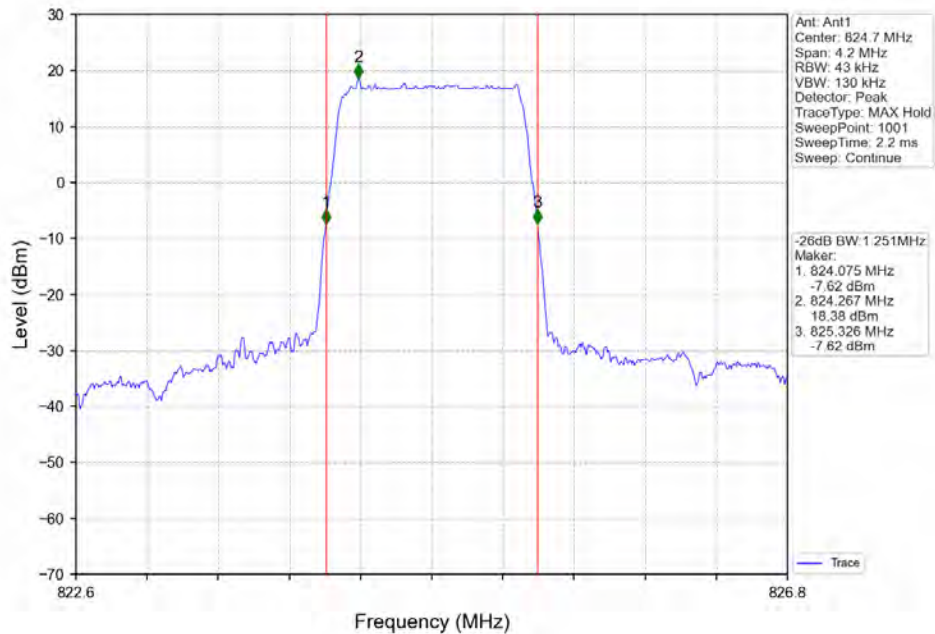




Band26b_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV

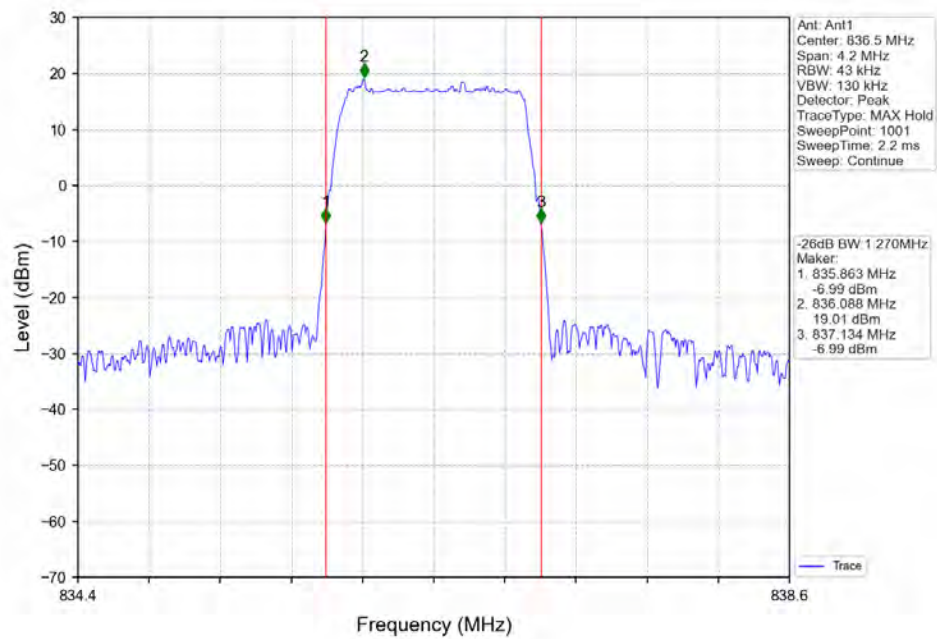


Band26b_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

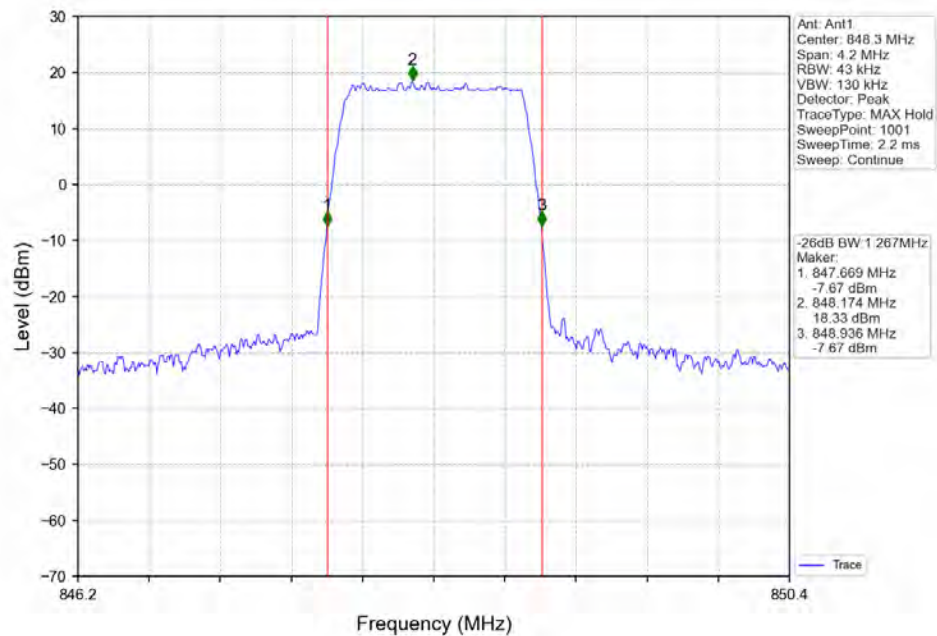




Band26b_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

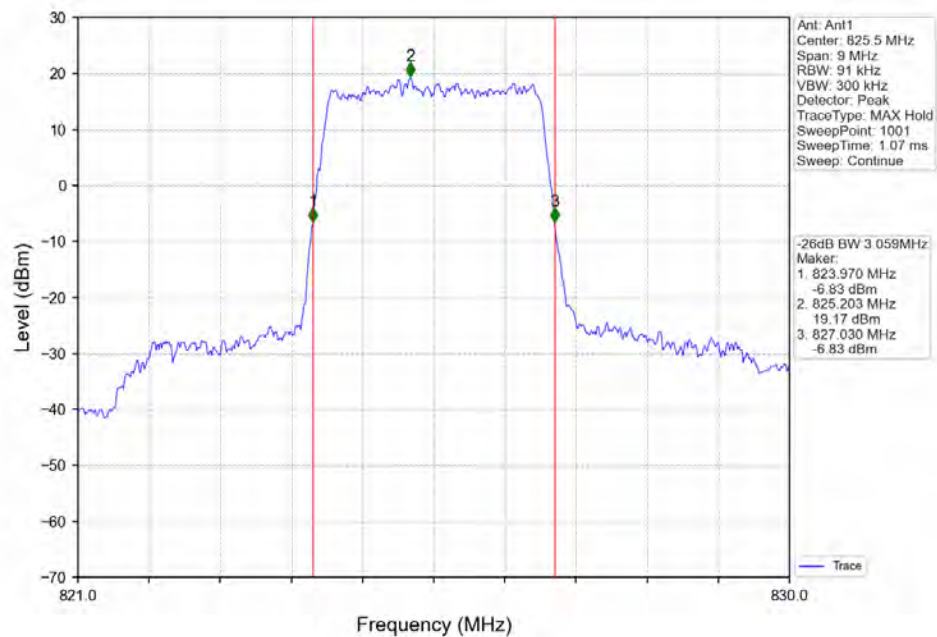


Band26b_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

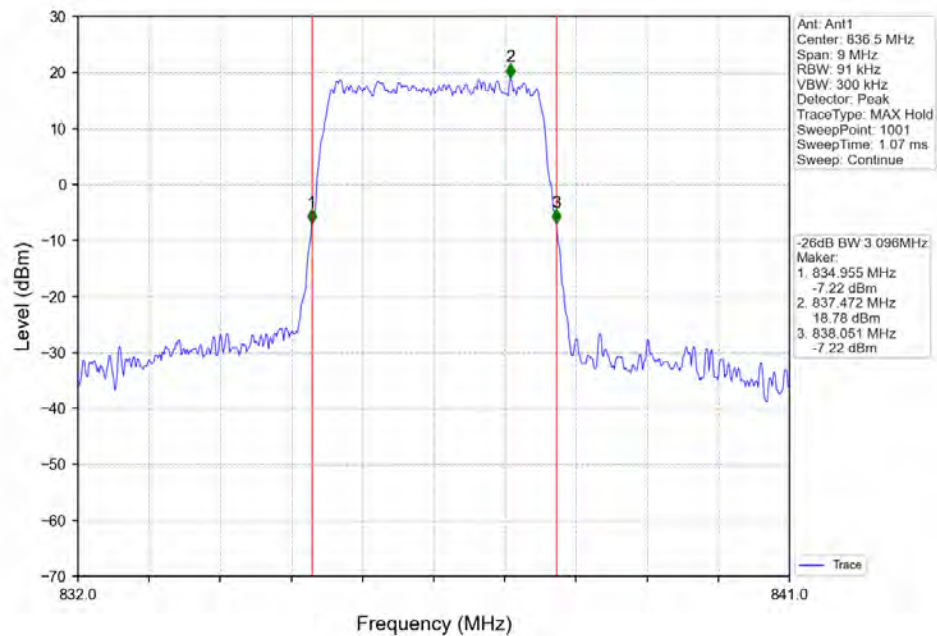


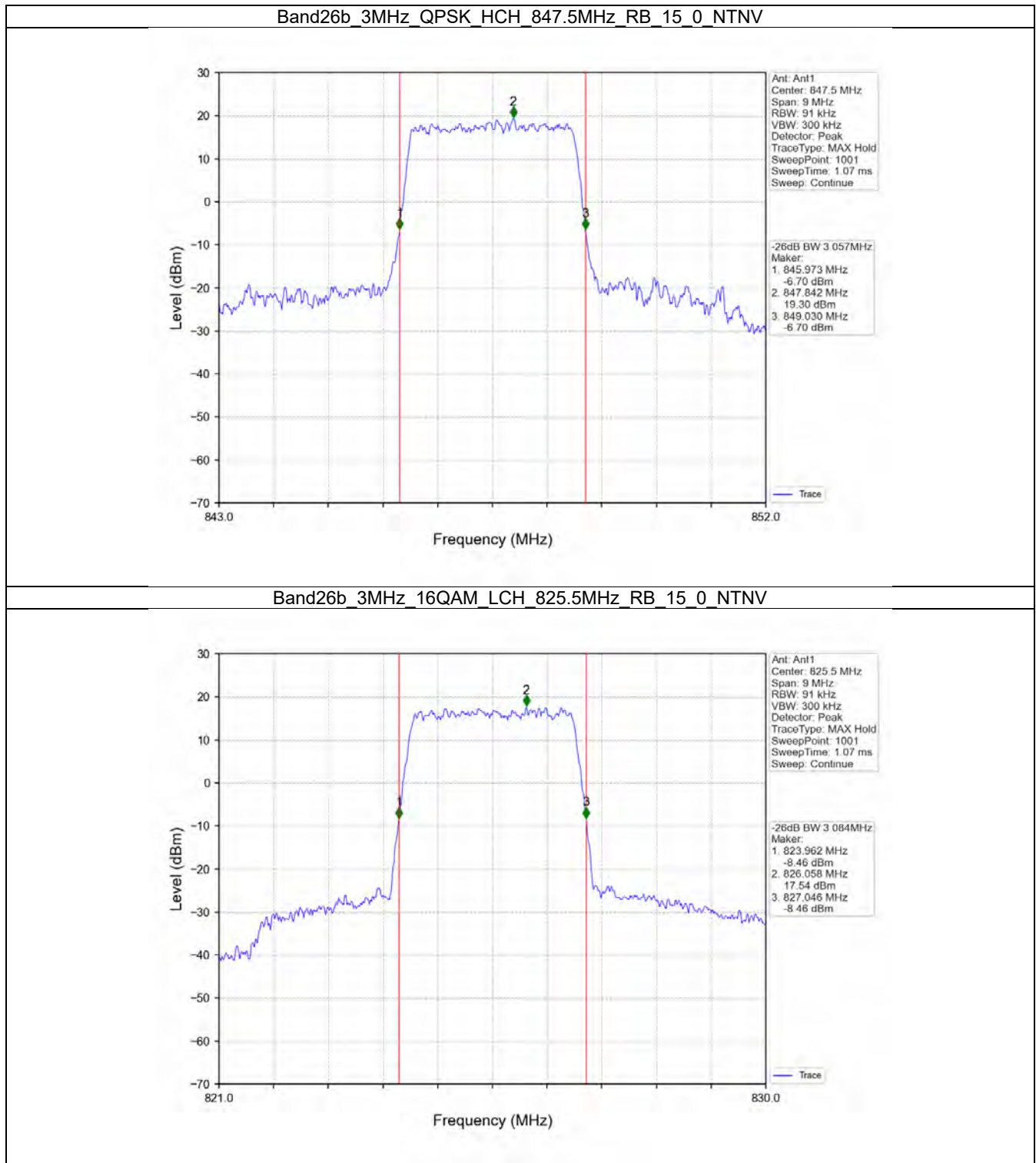


Band26b_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



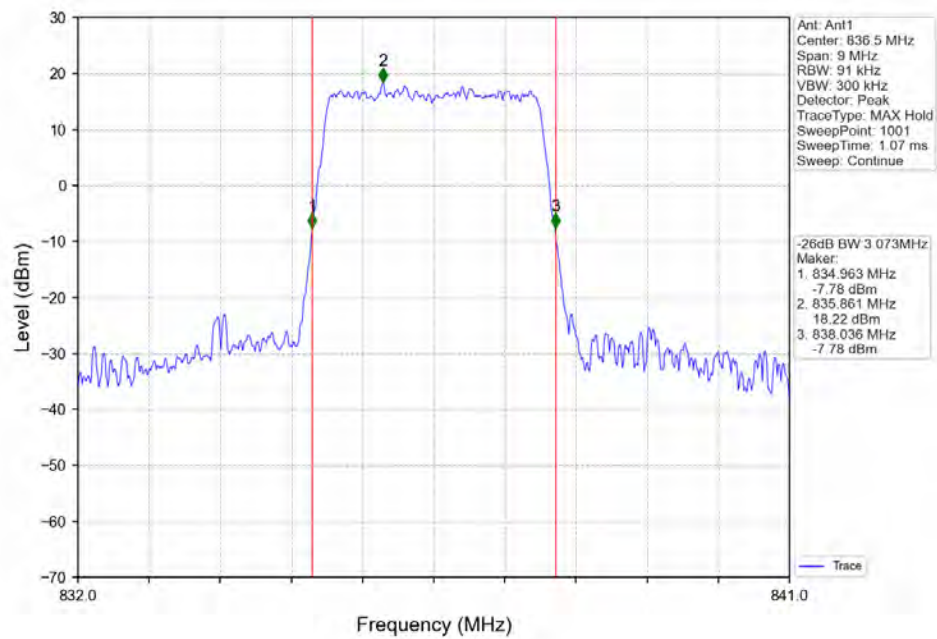
Band26b_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



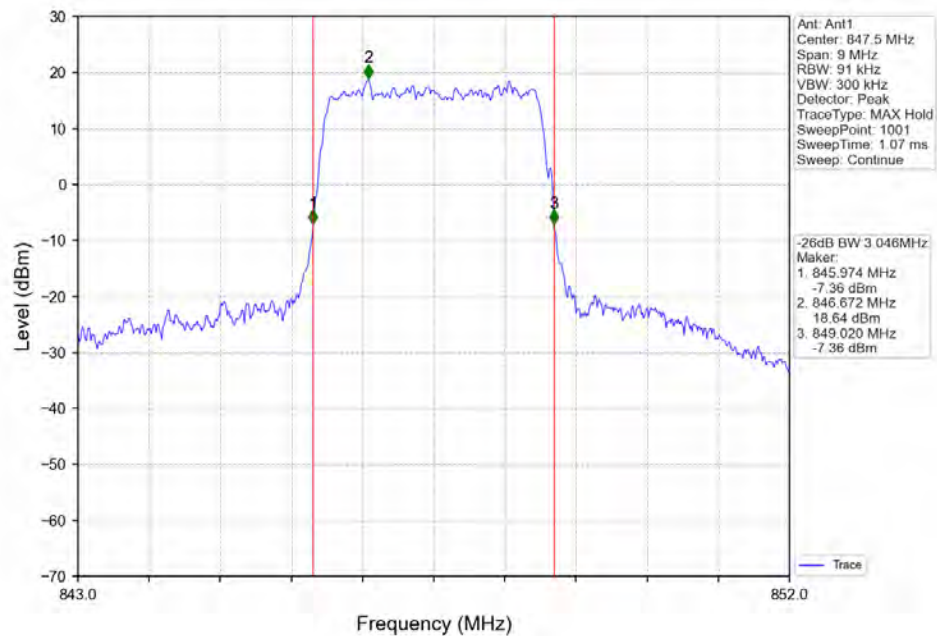




Band26b_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

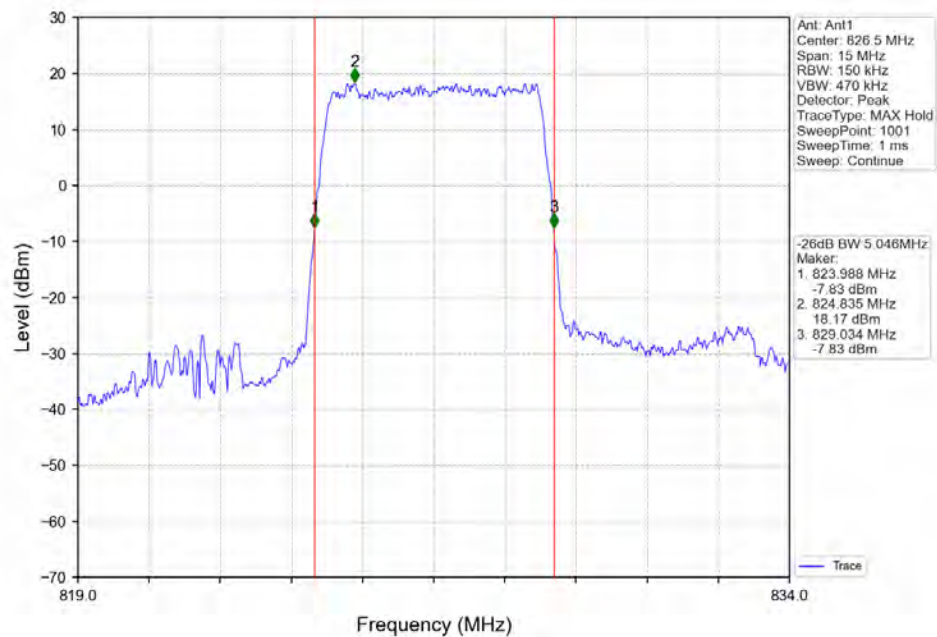


Band26b_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

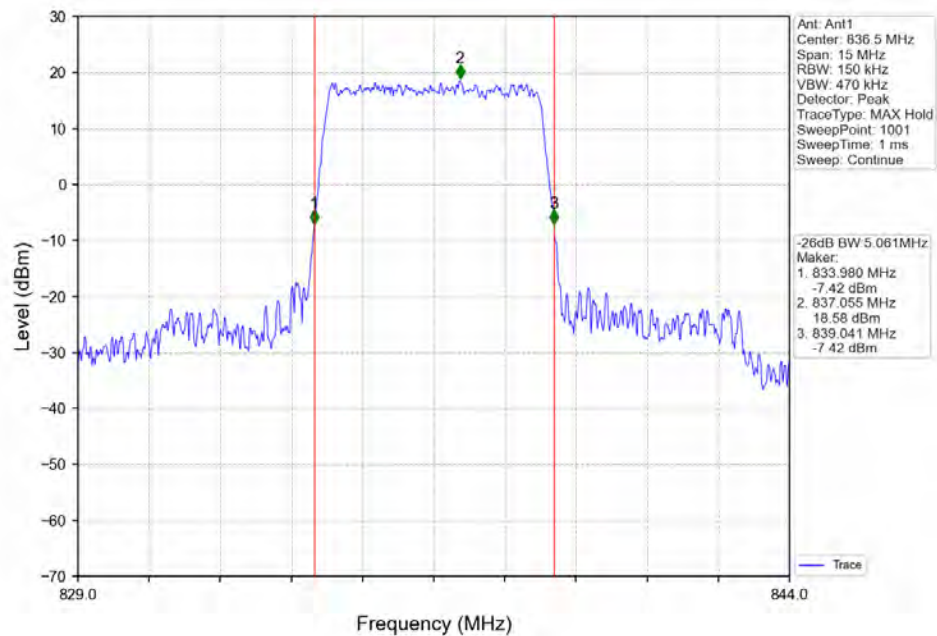


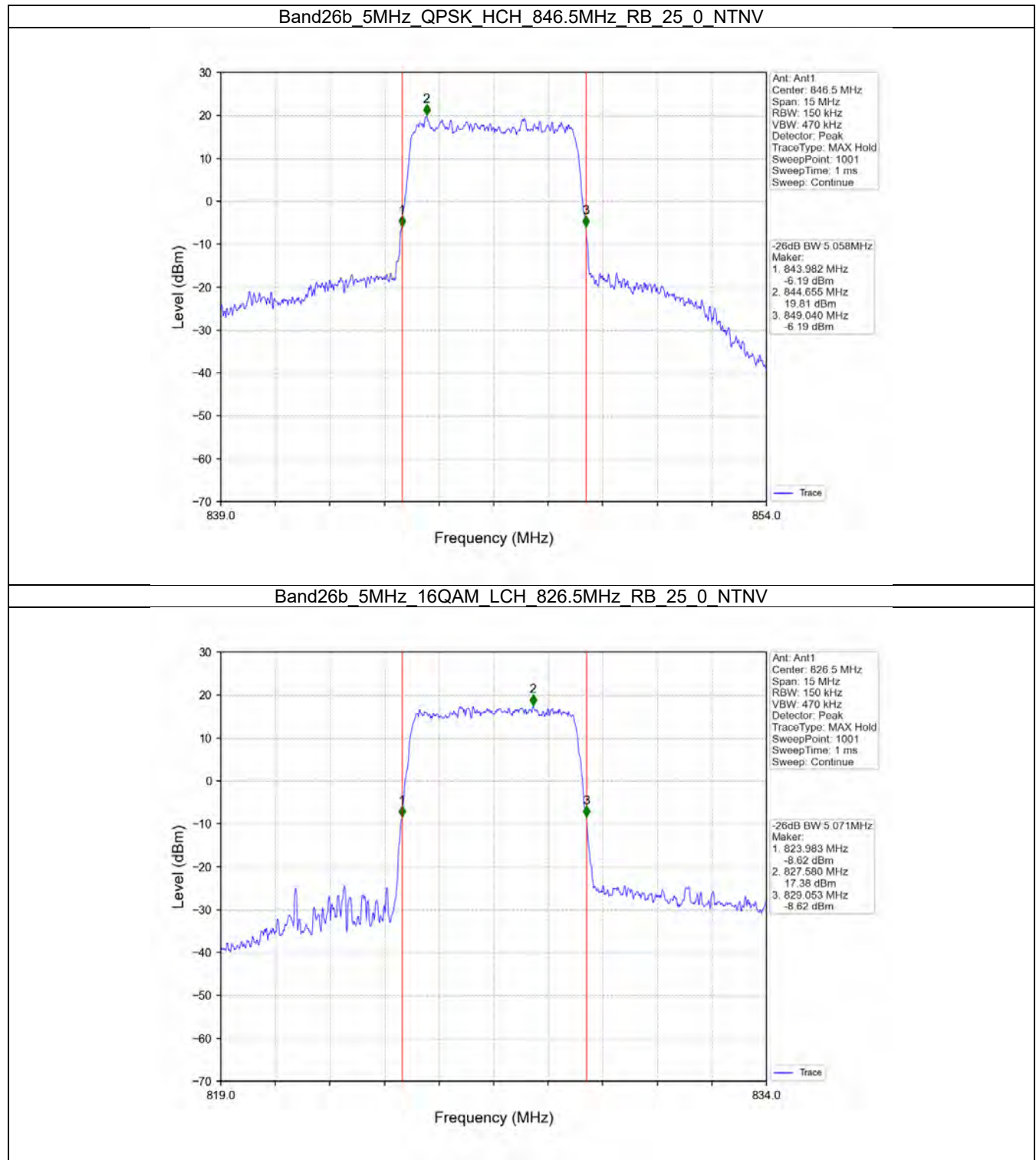


Band26b_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



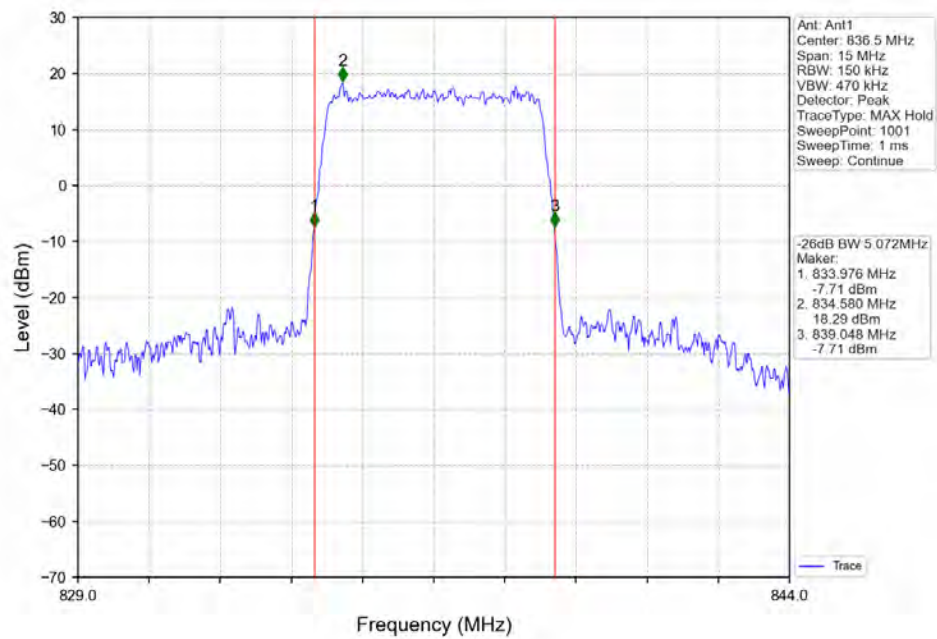
Band26b_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



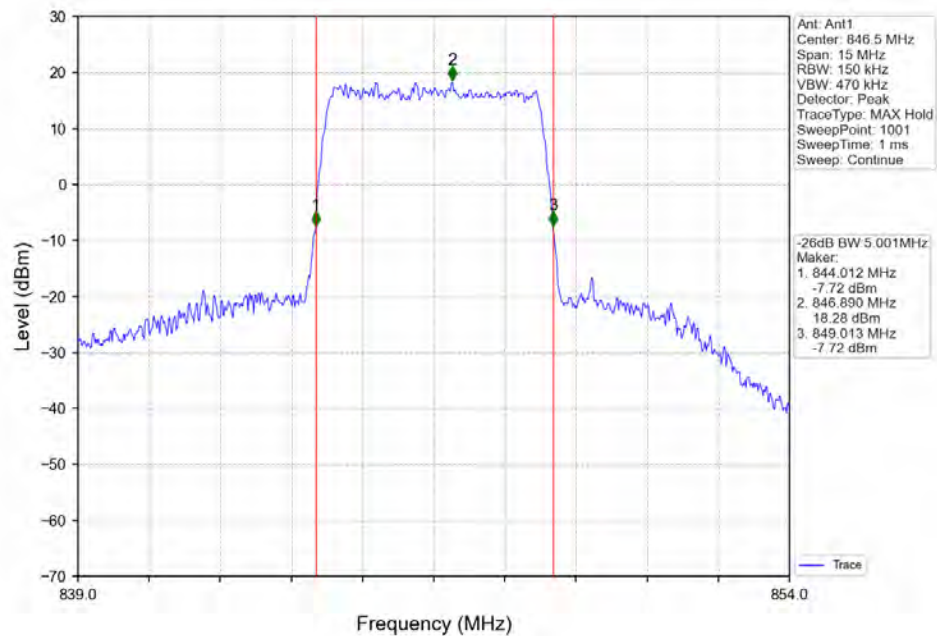




Band26b_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

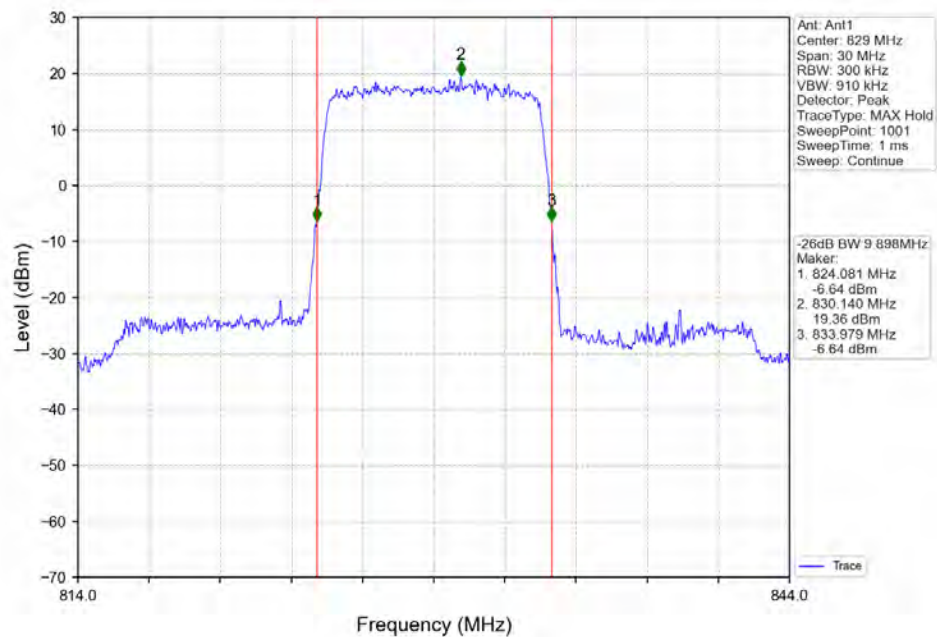


Band26b_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

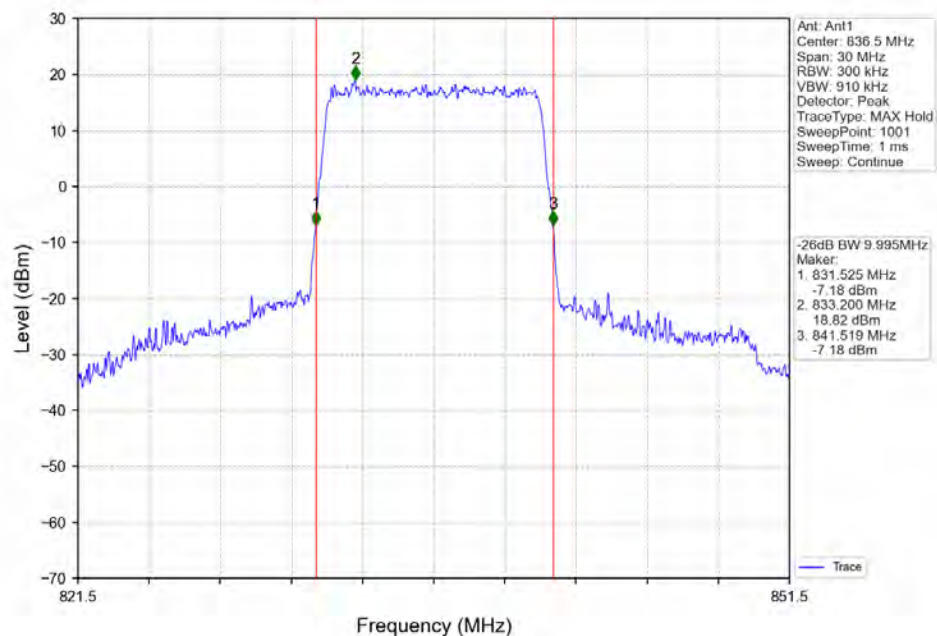




Band26b_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

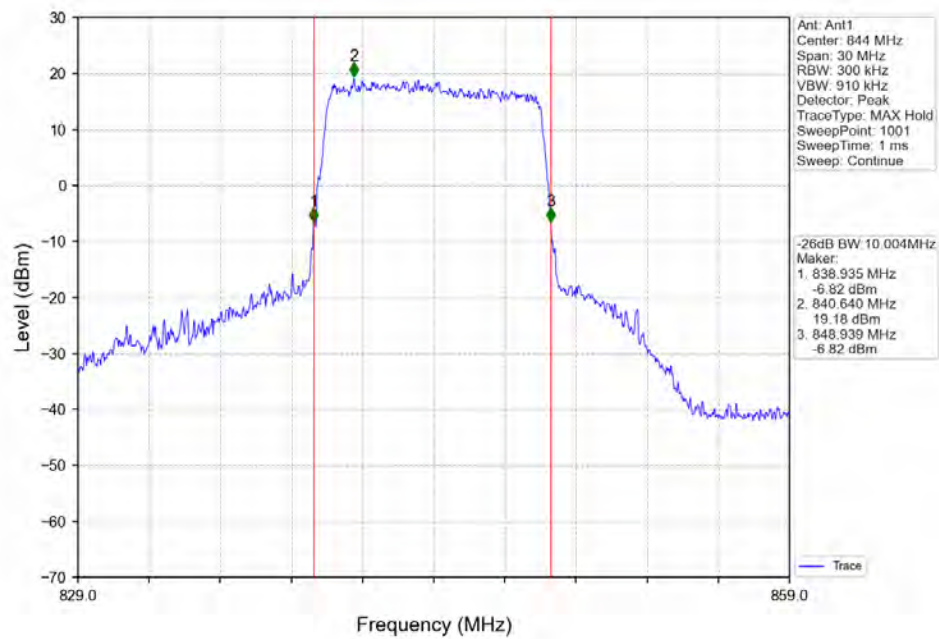


Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

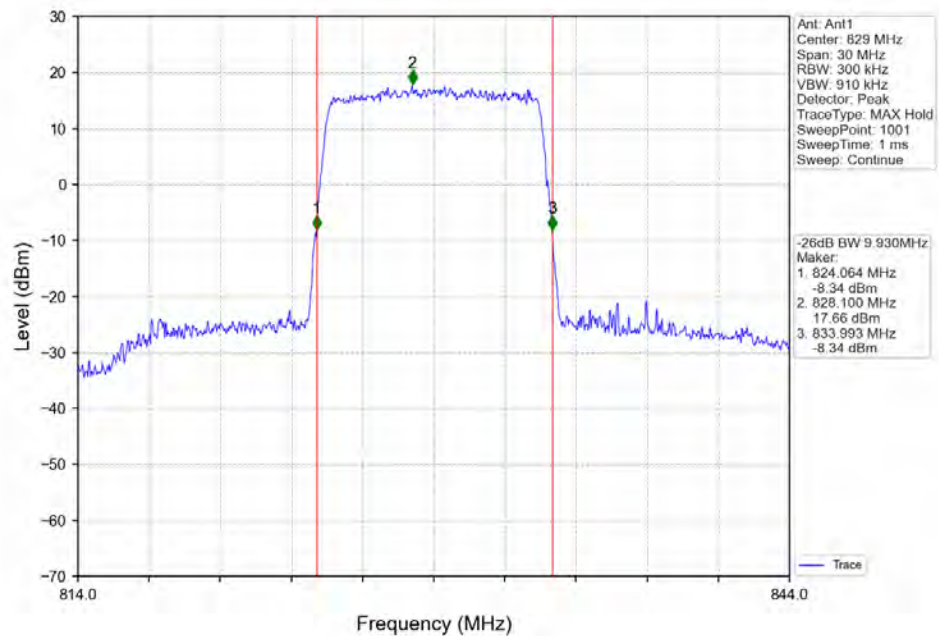




Band26b_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

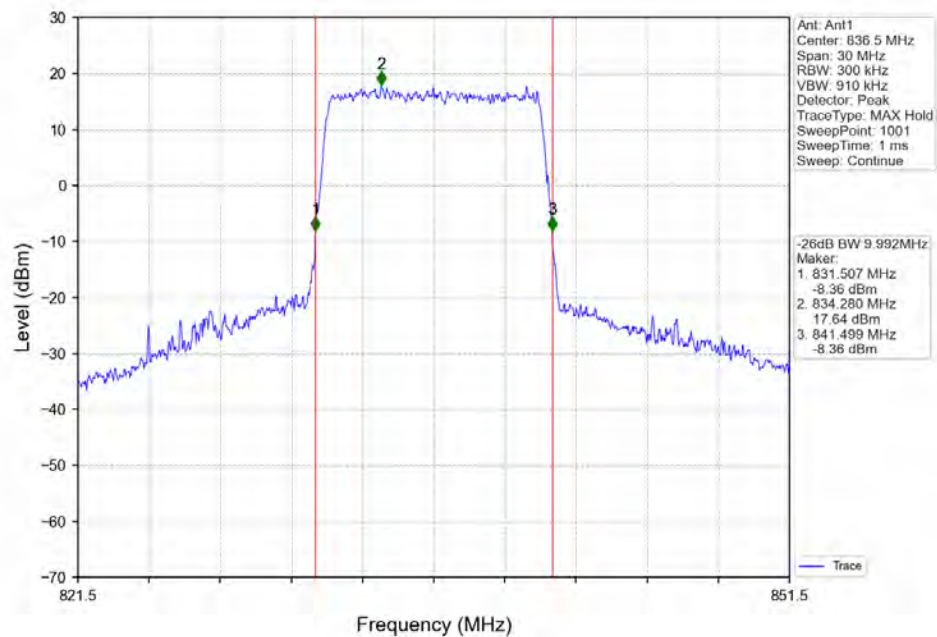


Band26b_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

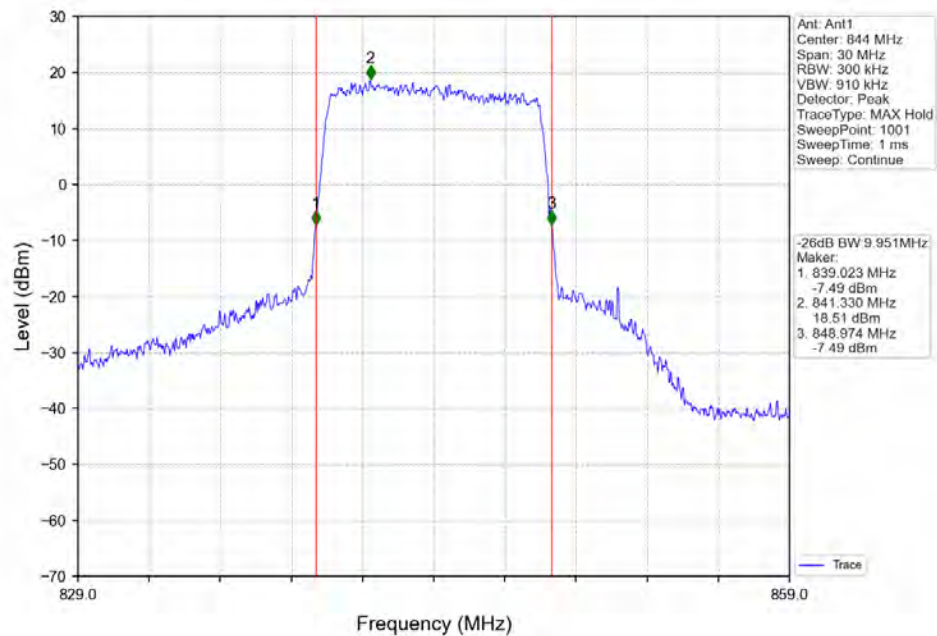




Band26b_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

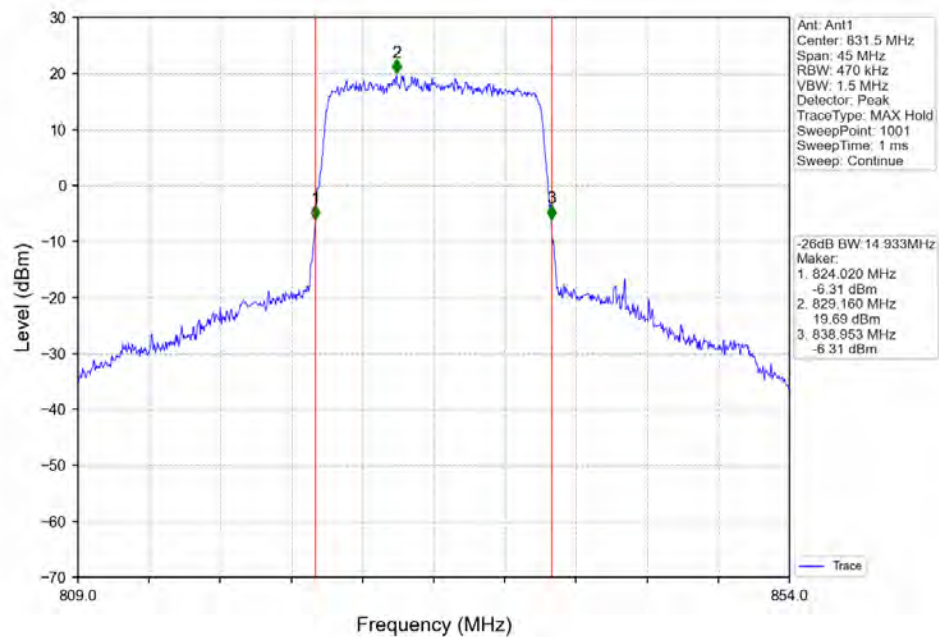


Band26b_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV





Band26b_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV



Band26b_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV

