



**BUREAU  
VERITAS**

Test Report No.: W7L-P20210616-3RF01

# FCC TEST REPORT (PART 22)

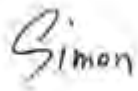
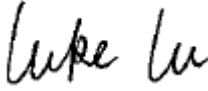
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Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
HW version:	P4.1
SW version:	MODEMSA515M_01.15.62
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

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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# 1. Frequency Stability

## 1.1 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
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

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Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit	
Band: 5 / Bandwidth: 5MHz / NTN												
			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 / NTN												
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
			50	4.0	1.600	-0.130	-0.720	0.0019	-0.0002	-0.0009	-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
50	4.0	-2.330	-5.340	-0.540	-0.0028	-0.0064	-0.0006	-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 / NTN												
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
			50	4.0	-1.890	0.240	-2.390	-0.0023	0.0003	-0.0028	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-4.090	0.630	-2.980	-0.0049	0.0008	-0.0035	-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

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			-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
64QAM	50	0	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
			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	-0.0053	-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
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
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

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**Test Report No.: W7L-P20210616-3RF01**

Modulation	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)			Freq. vs. Rated (ppm)				Verdict							
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH	Limit								
<b>Band: 26 / Bandwidth: 10MHz</b>																			
QPSK	50	0	20	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						
			16QAM	50	0	20	50	4.0	-0.870	-0.230	0.530	-0.0011	-0.0003	0.0006	-2.5 to 2.5	Pass			
							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				
						64QAM	50	0	20	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
16QAM	50	0	20	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						
				64QAM	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						
64QAM	50	0	20	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						
64QAM	50	0	20	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						
				<b>Band: 26 / Bandwidth: 15MHz</b>															
				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			
16QAM	75	0	20				-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							
			64QAM	75	0	20	-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			

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**Test Report No.: W7L-P20210616-3RF01**

			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

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## 2. 99% & 26dB Bandwidth

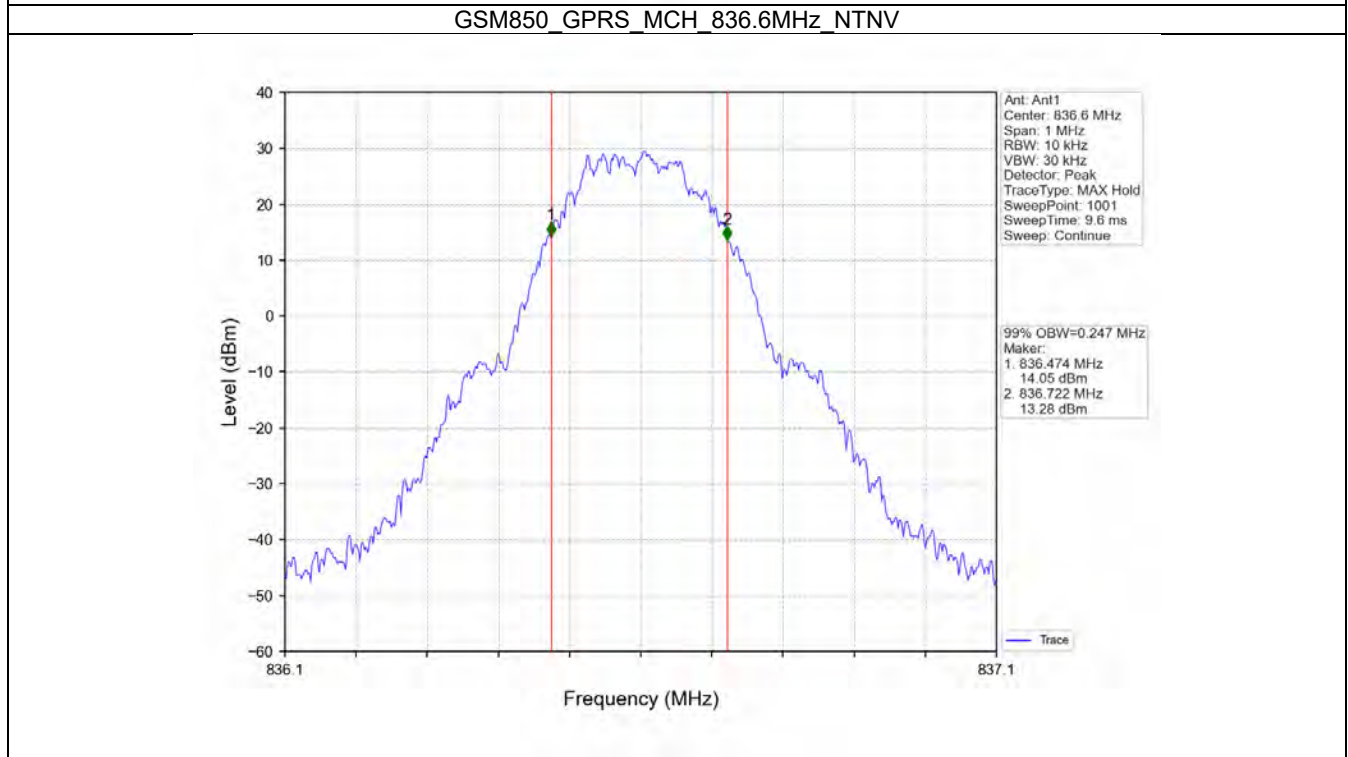
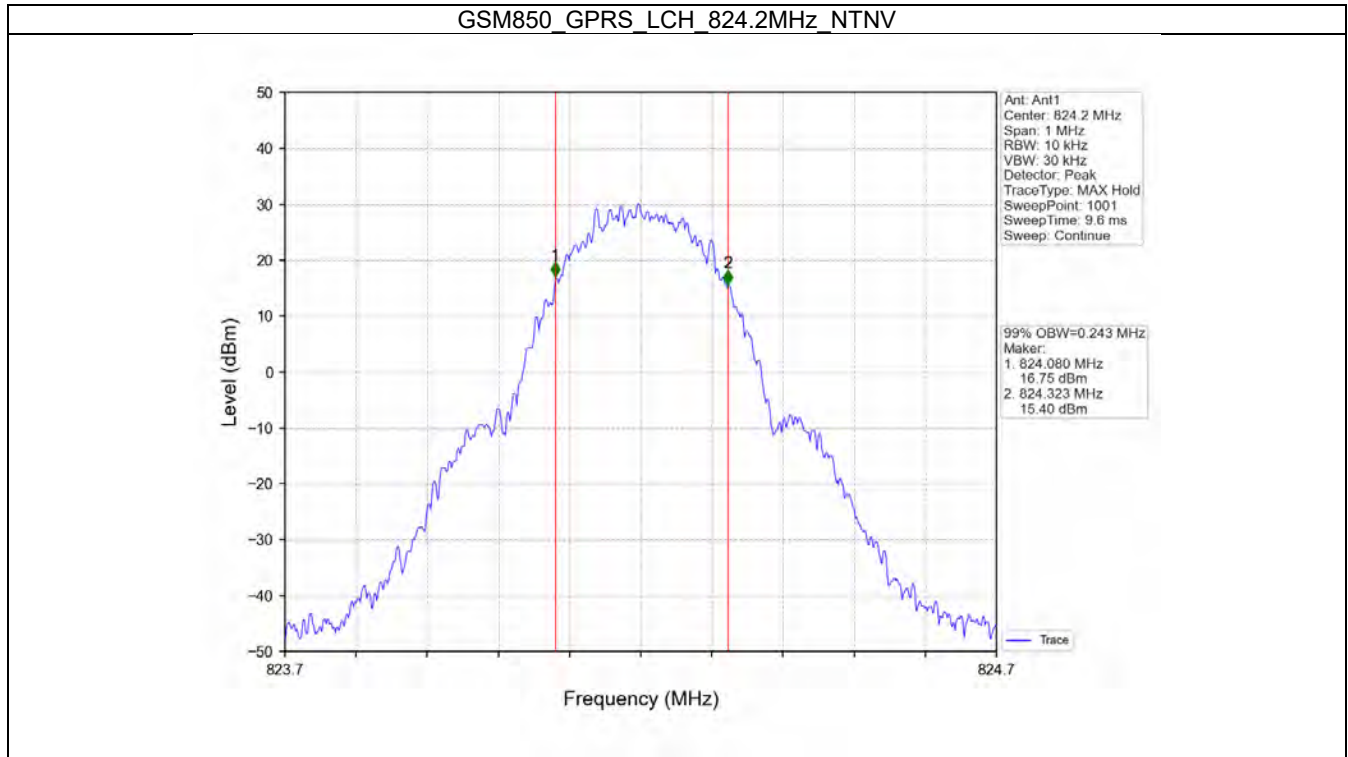
### 2.1 GSM850\_OBW

#### 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

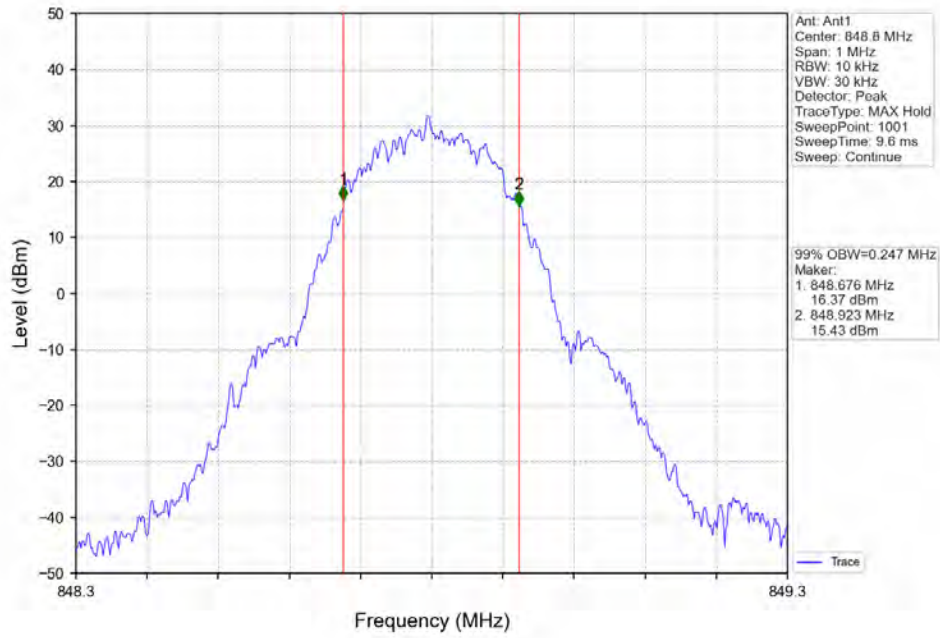


### 2.1.2 Test Graph

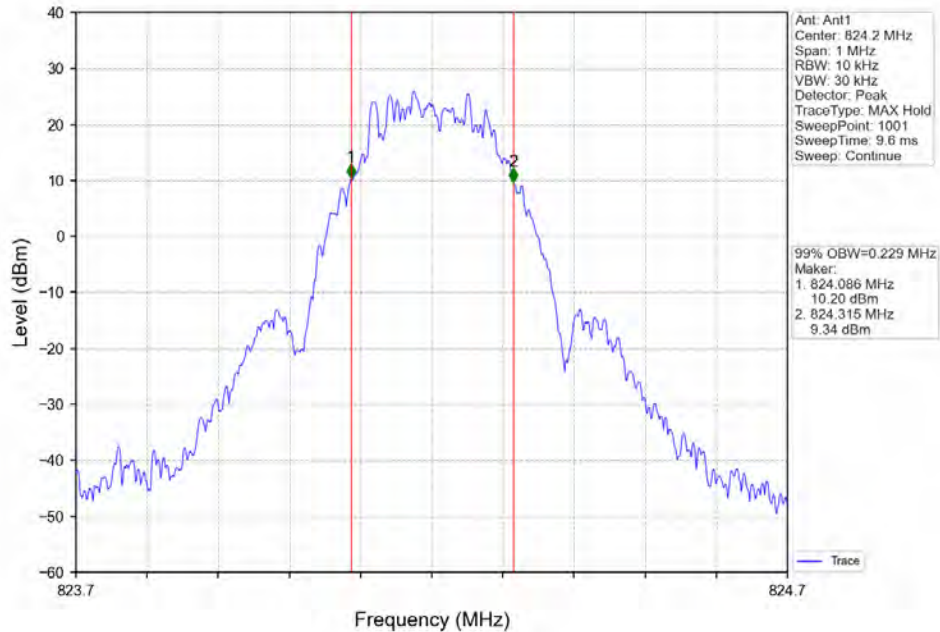




GSM850\_GPRS\_HCH\_848.8MHz\_NTNV

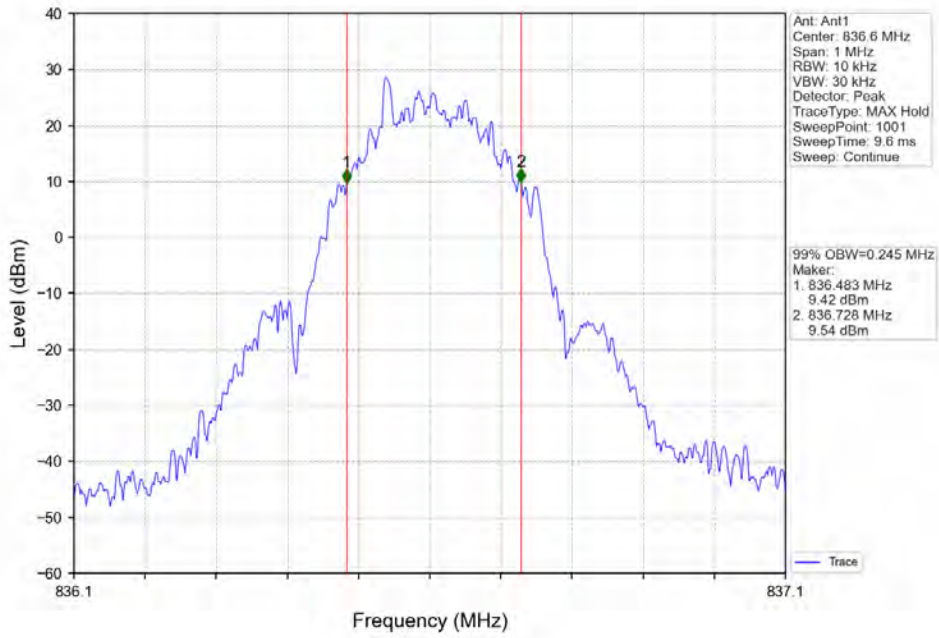


GSM850\_EGPRS\_LCH\_824.2MHz\_NTNV

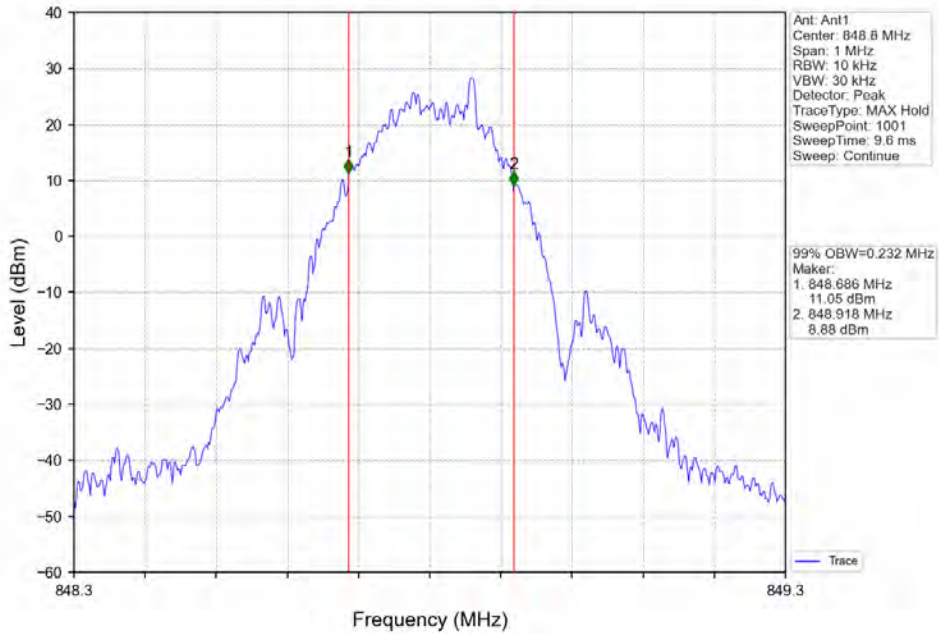




GSM850\_EGPRS\_MCH\_836.6MHz\_NTNV



GSM850\_EGPRS\_HCH\_848.8MHz\_NTNV





## 2.2 GSM850\_26DB

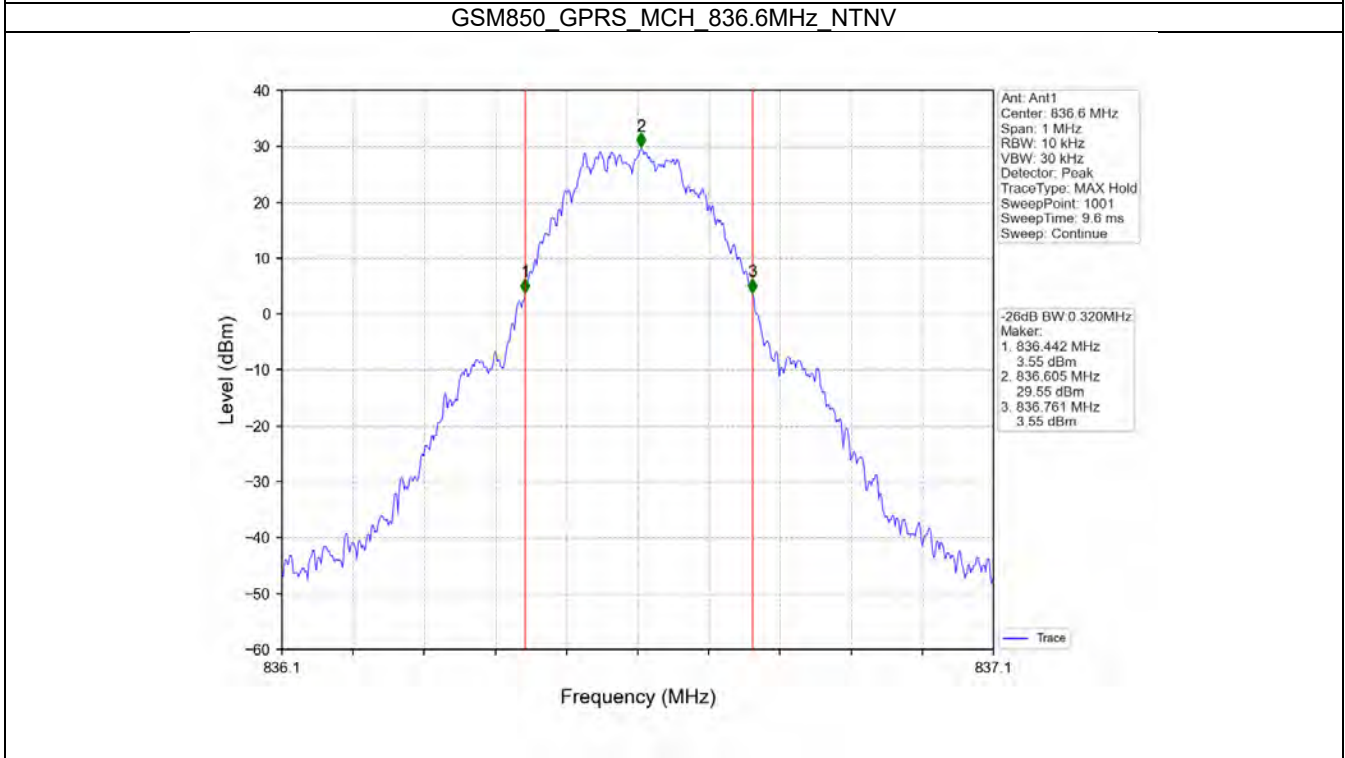
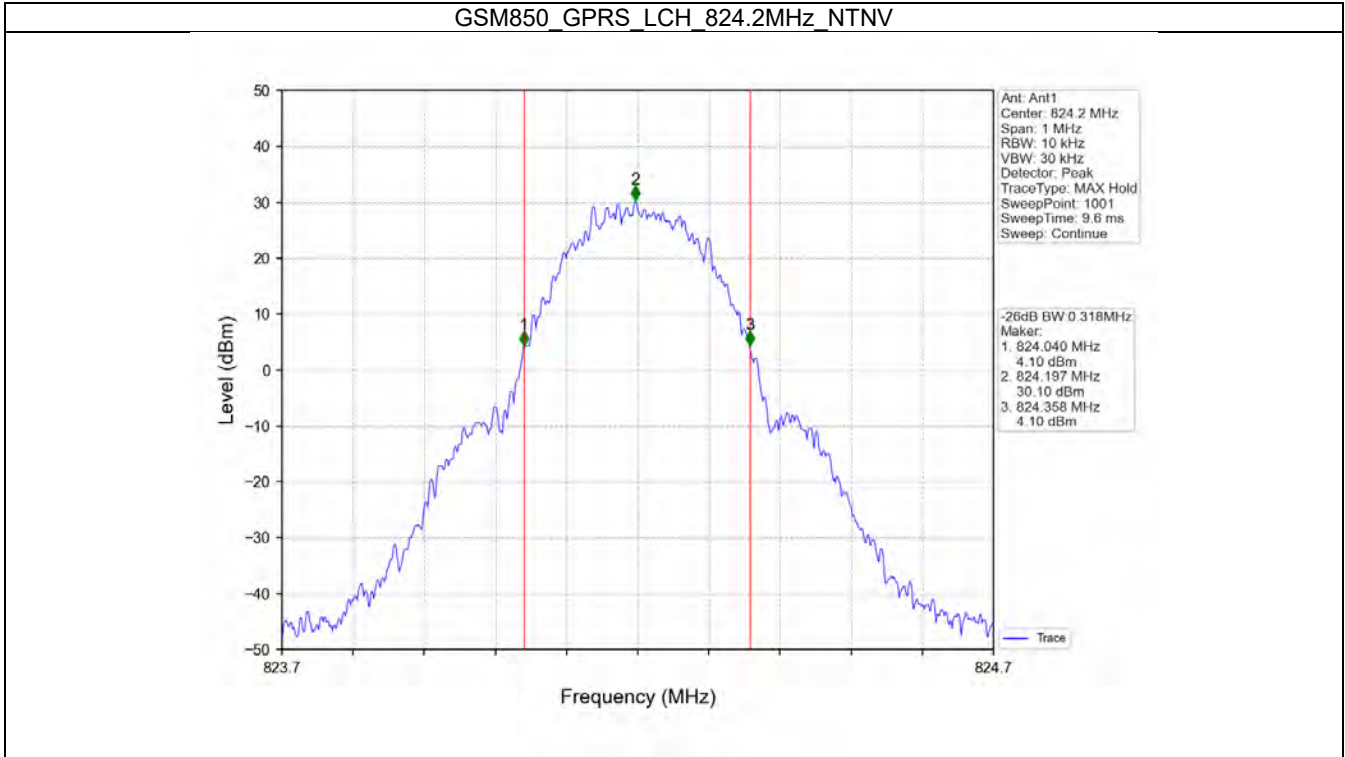
### 2.2.1 Test Result

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**



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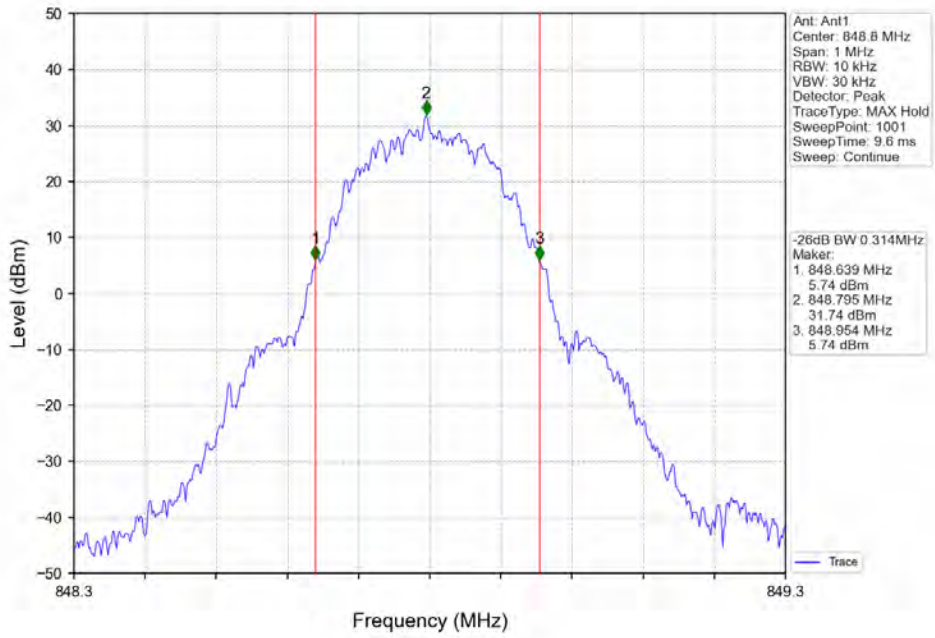
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

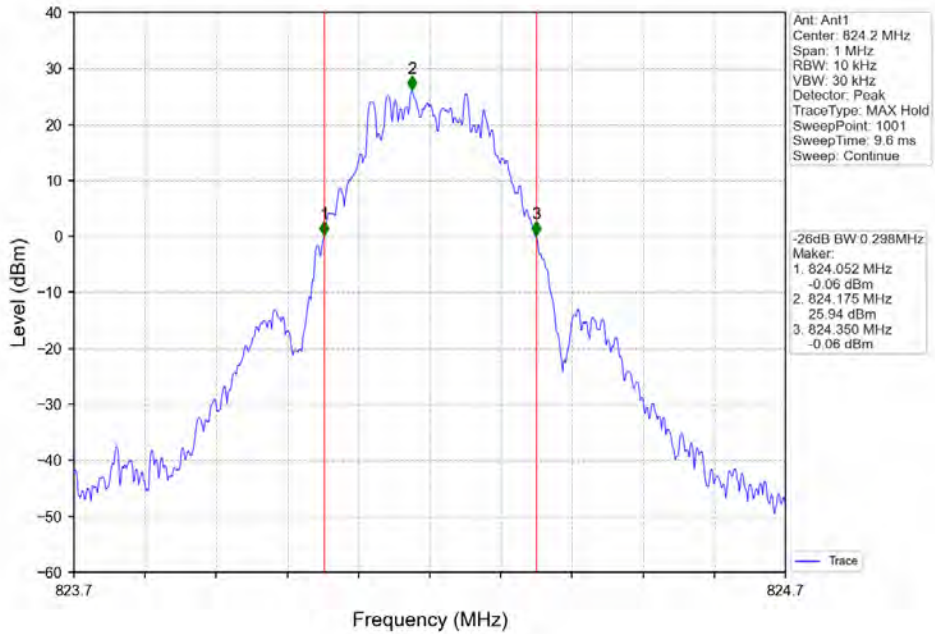
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



GSM850 GPRS HCH 848.8MHz NTN

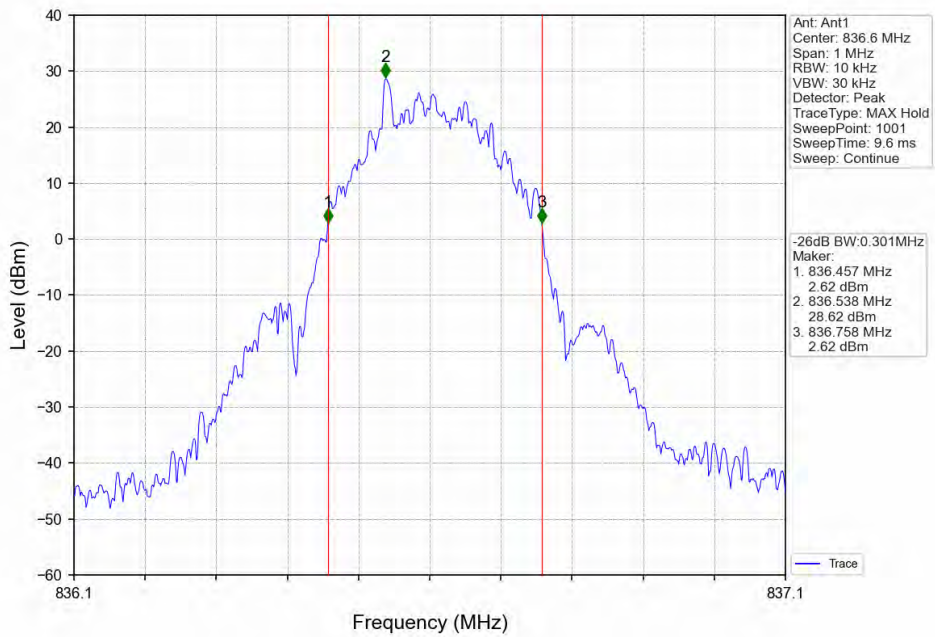


GSM850 EGPRS LCH 824.2MHz NTN

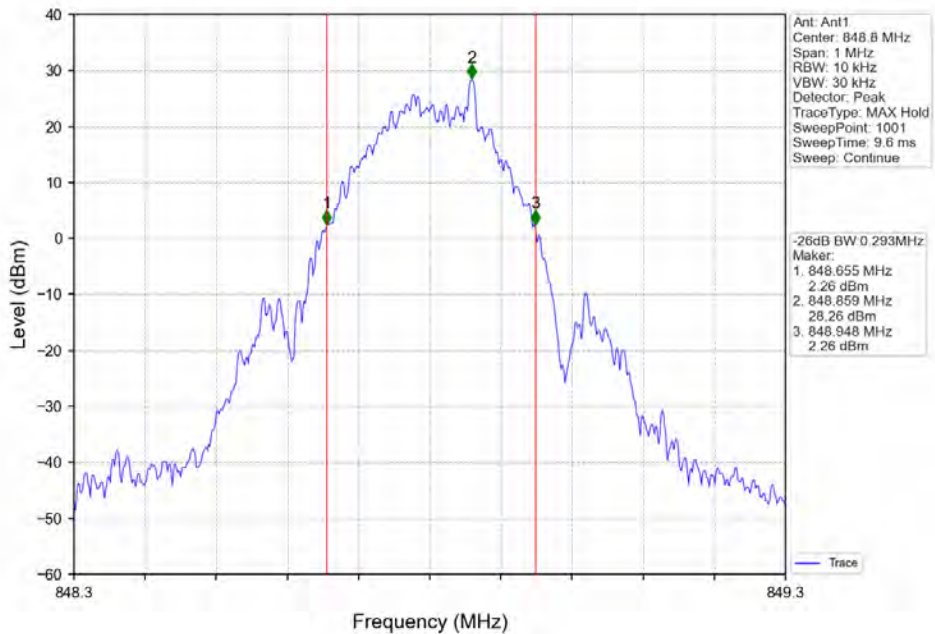




**GSM850\_EGPRS\_MCH\_836.6MHz\_NTNV**



**GSM850\_EGPRS\_HCH\_848.8MHz\_NTNV**





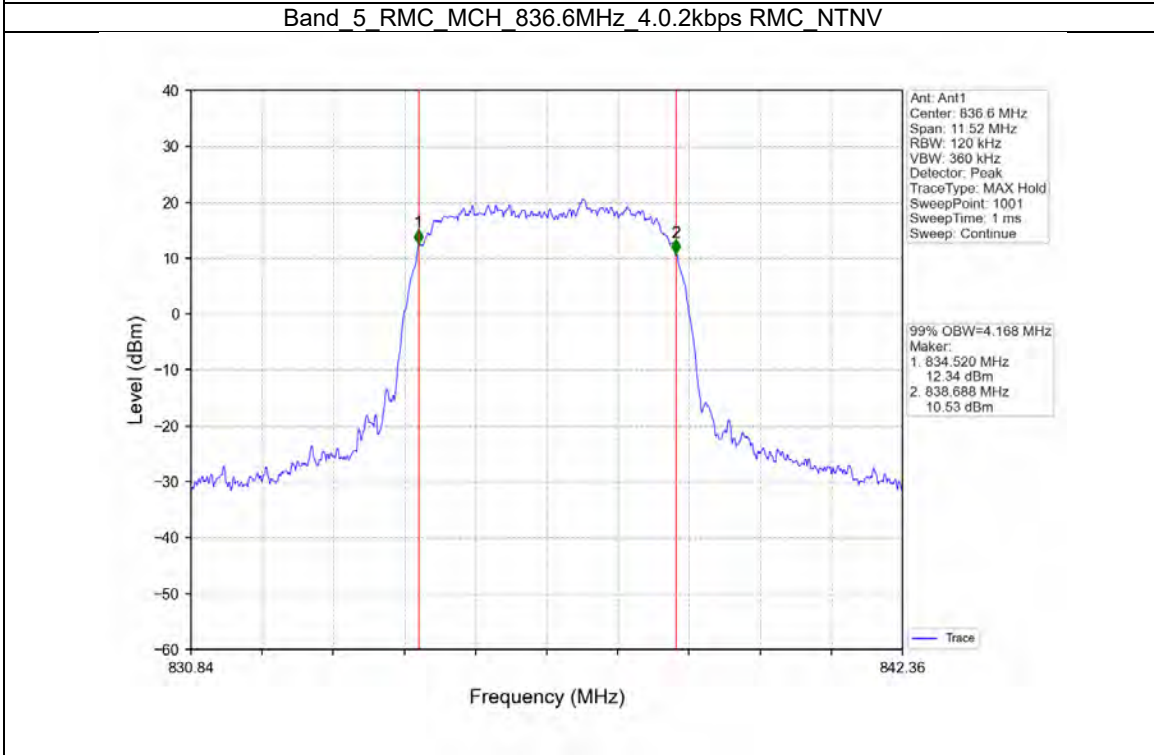
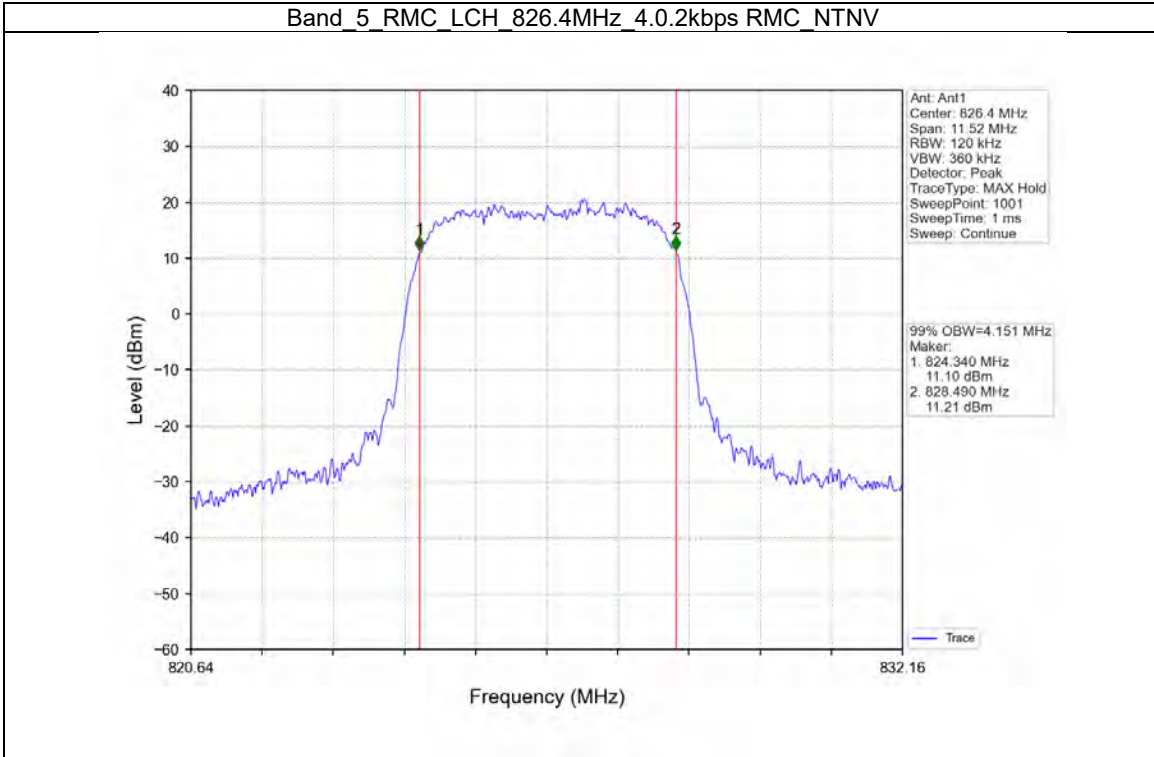
## 2.3 WCDMA\_Band5\_OBW

### 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**



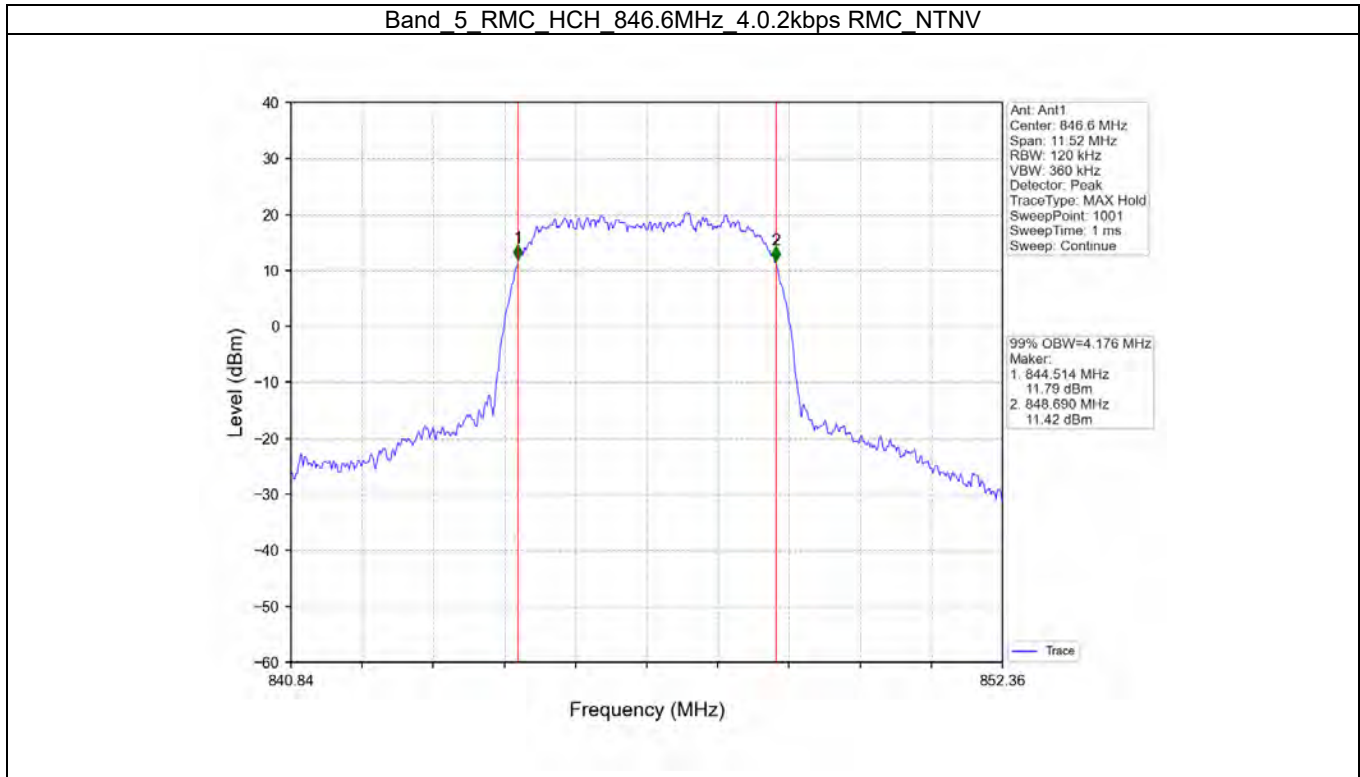
BV 7Layers Communications  
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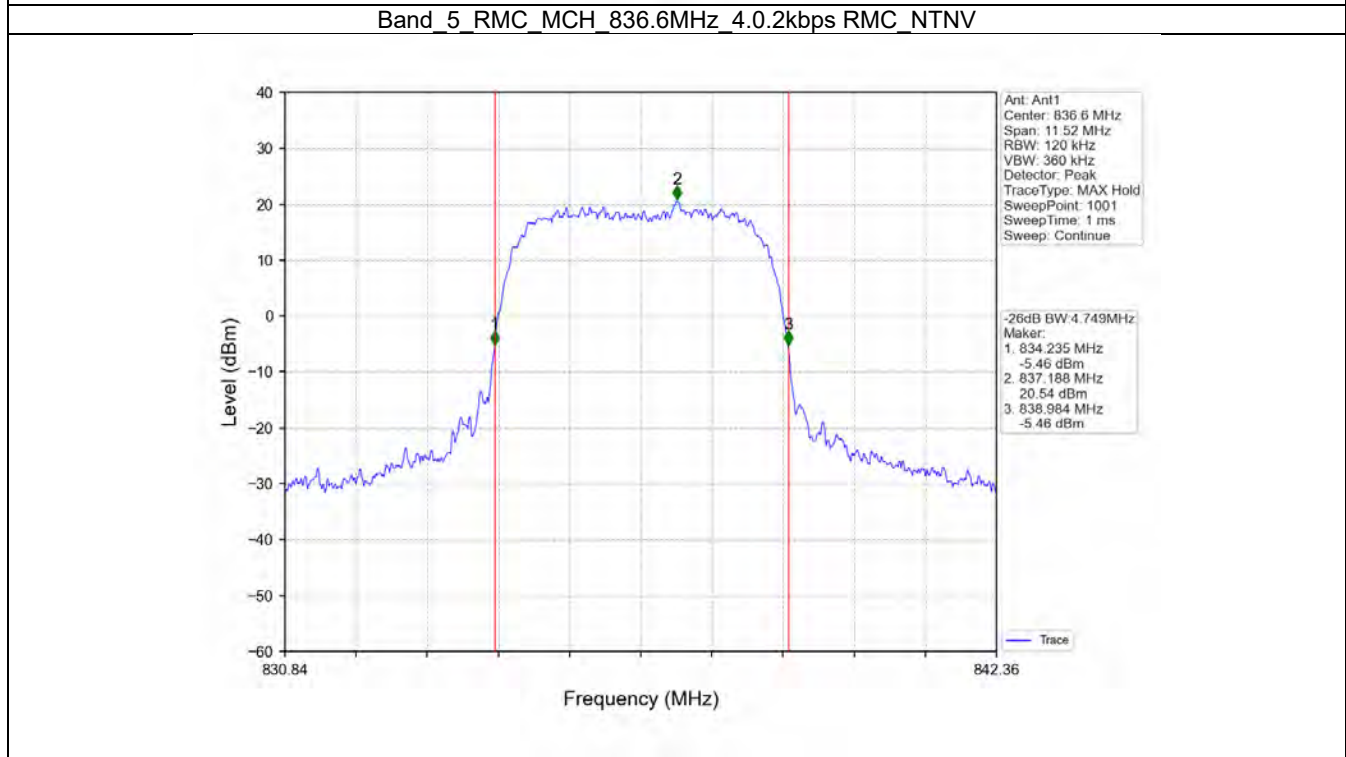
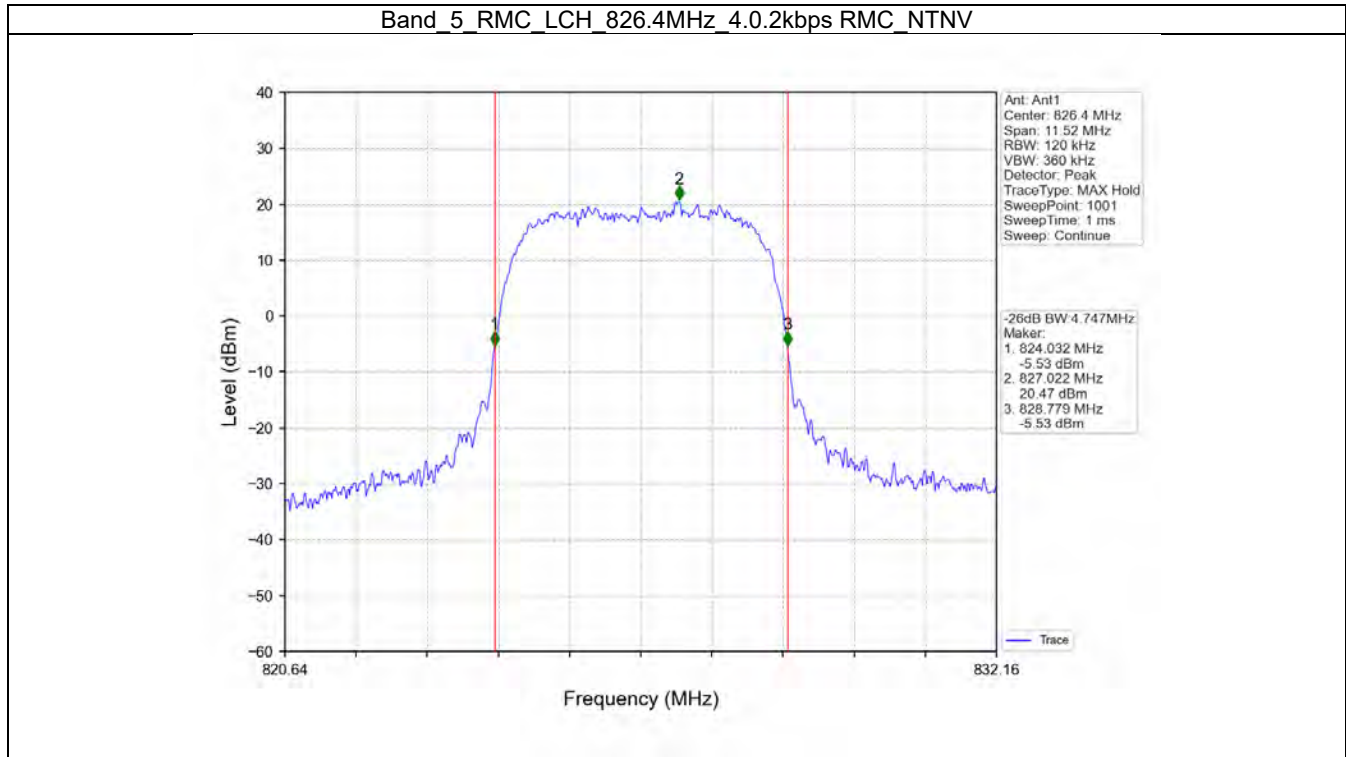
## 2.4 WCDMA\_Band5\_26DB

### 2.4.1 Test Result

ENV	Mode		Band: 5 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



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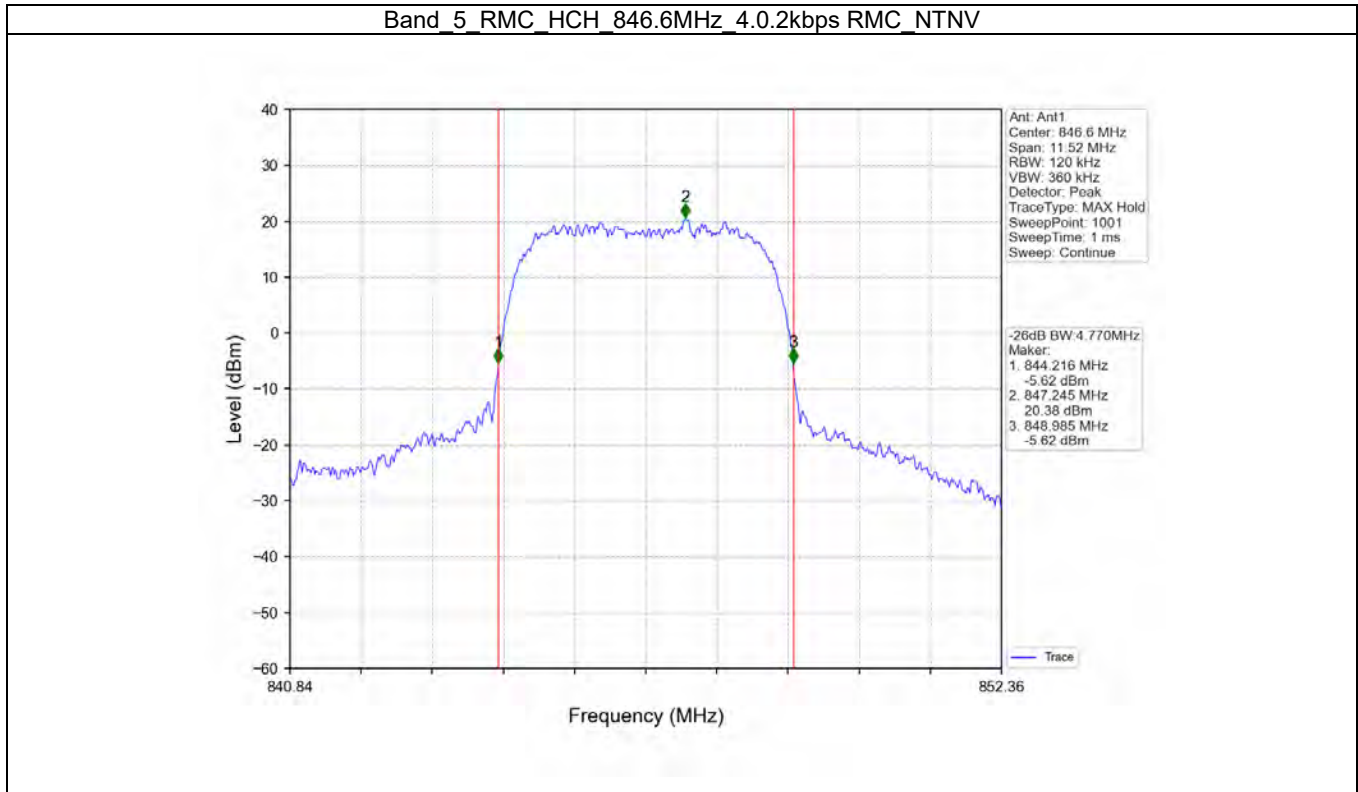
No.B102, Dazu Chuangxin Mansion, North of Beihuan  
Avenue, North Area, Hi-Tech Industrial Park, Nanshan  
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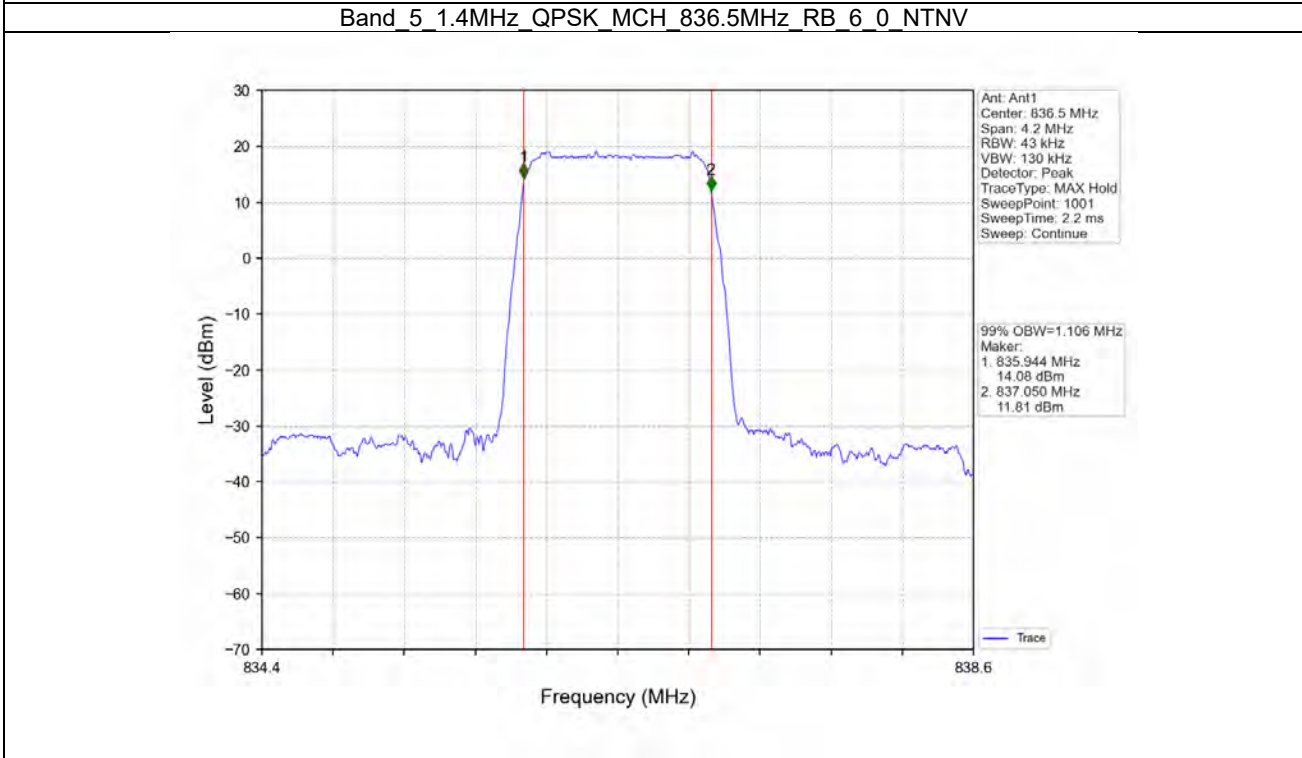
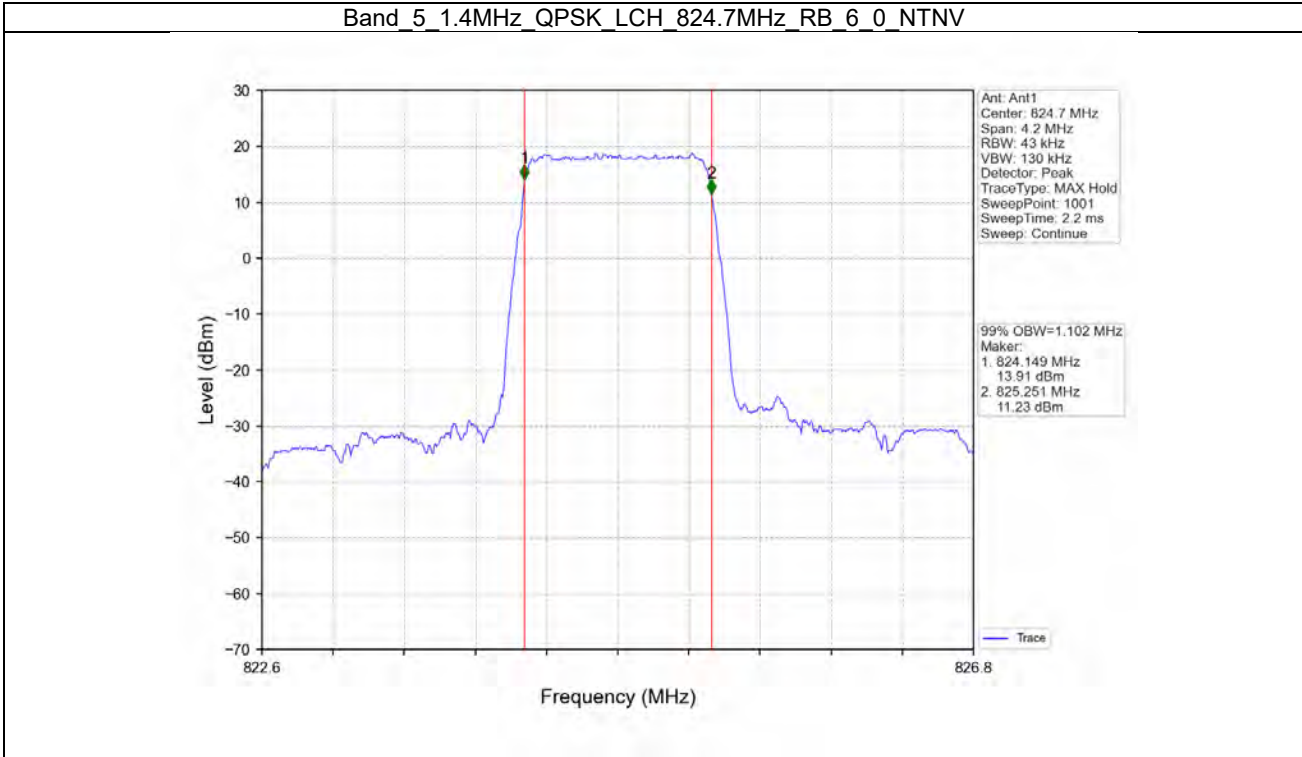
## 2.5 LTE Band 5\_OBW

### 2.5.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV							
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 / NTV							
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 / NTV							
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 / NTV							
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**



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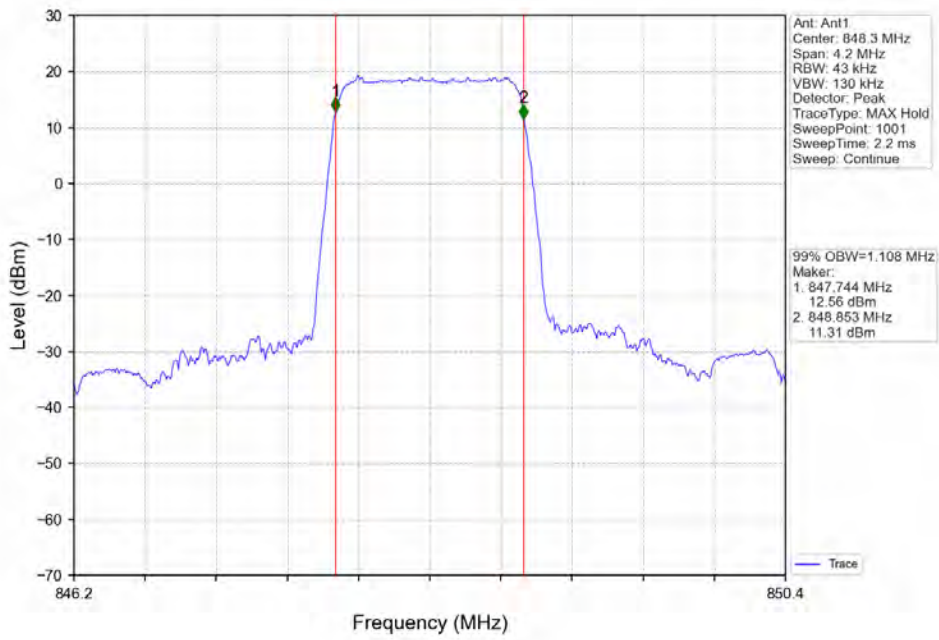
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

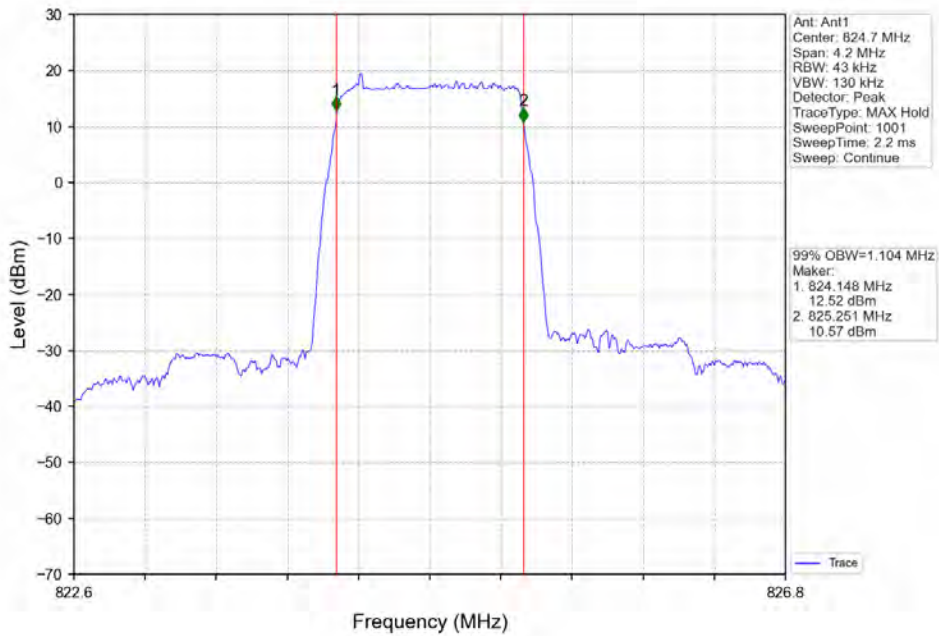
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

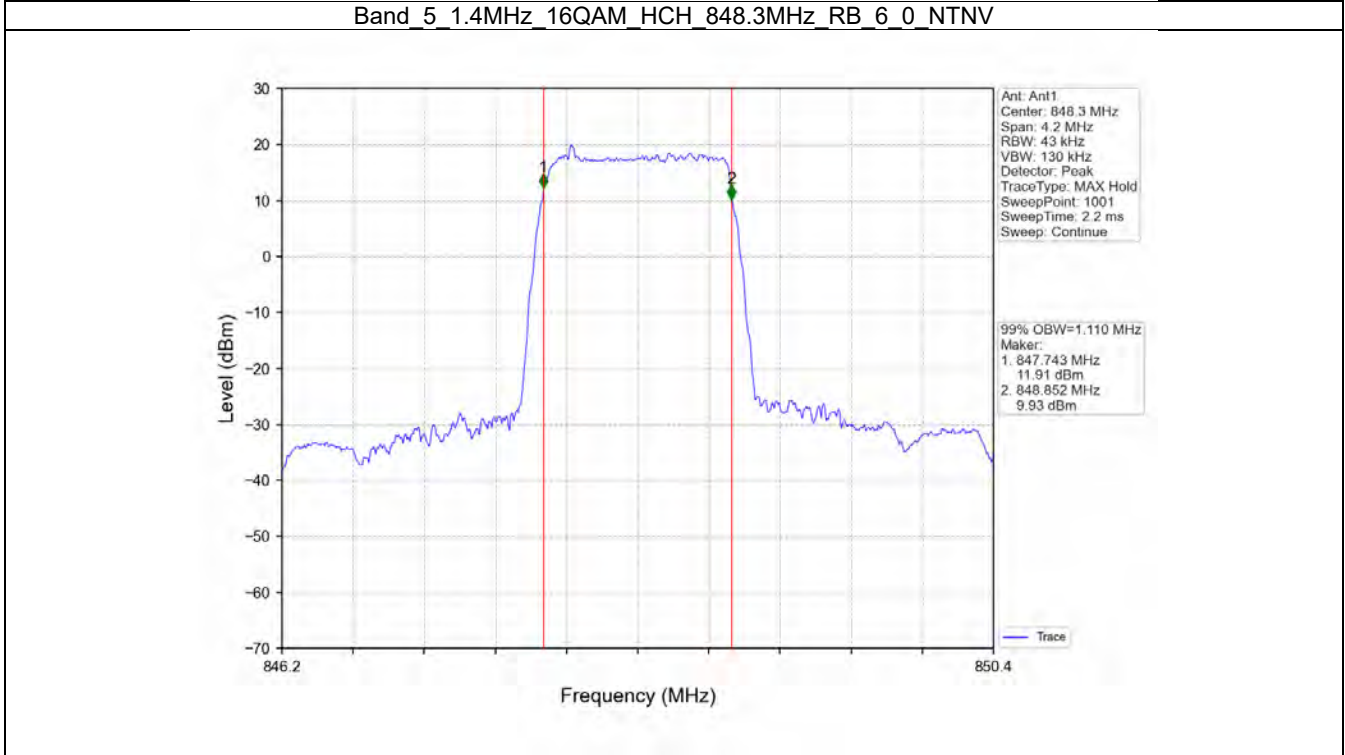
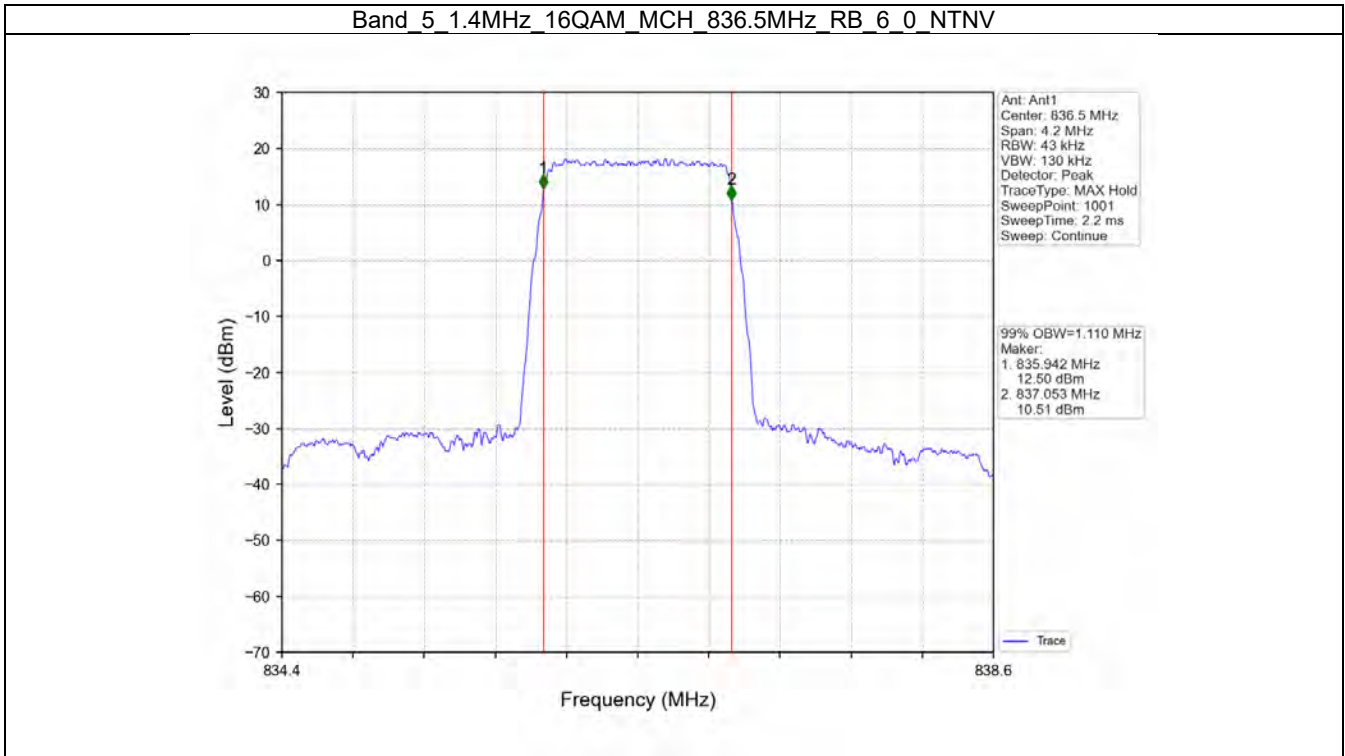


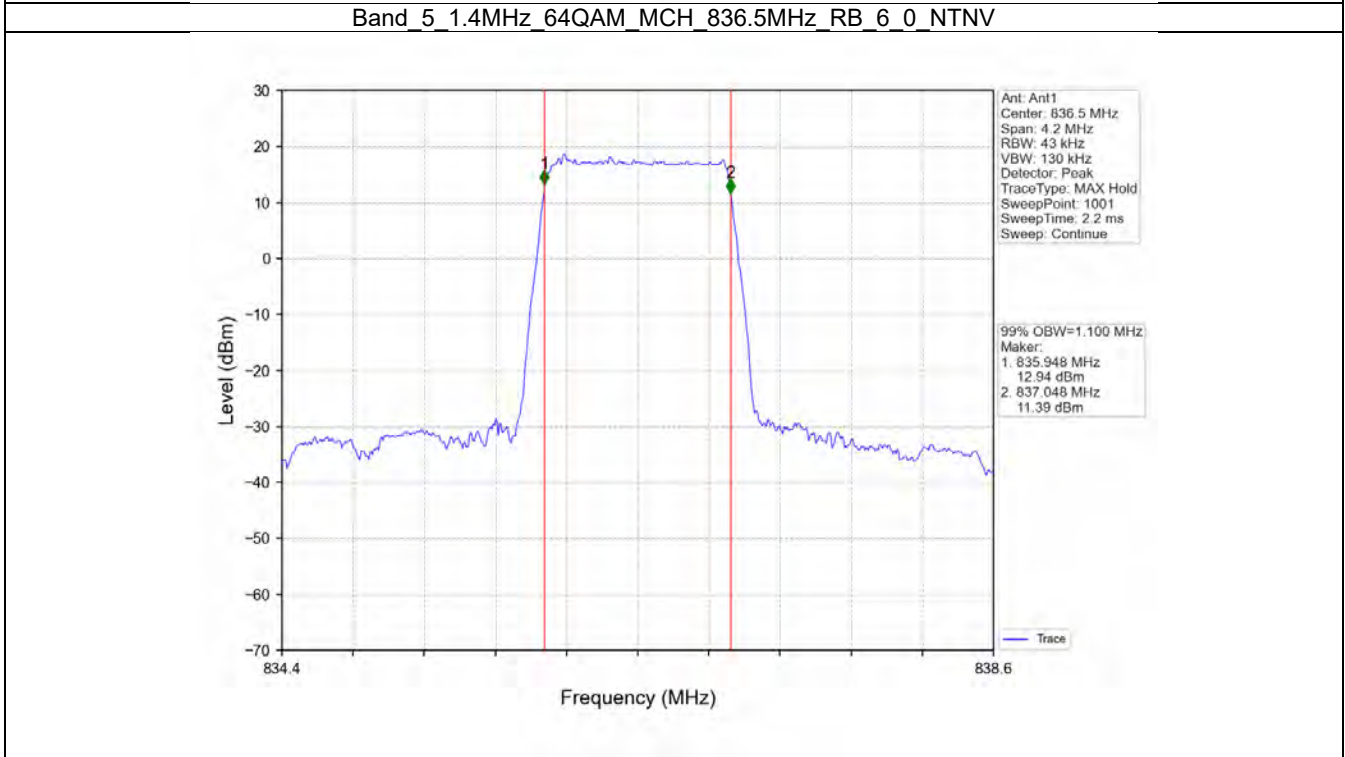
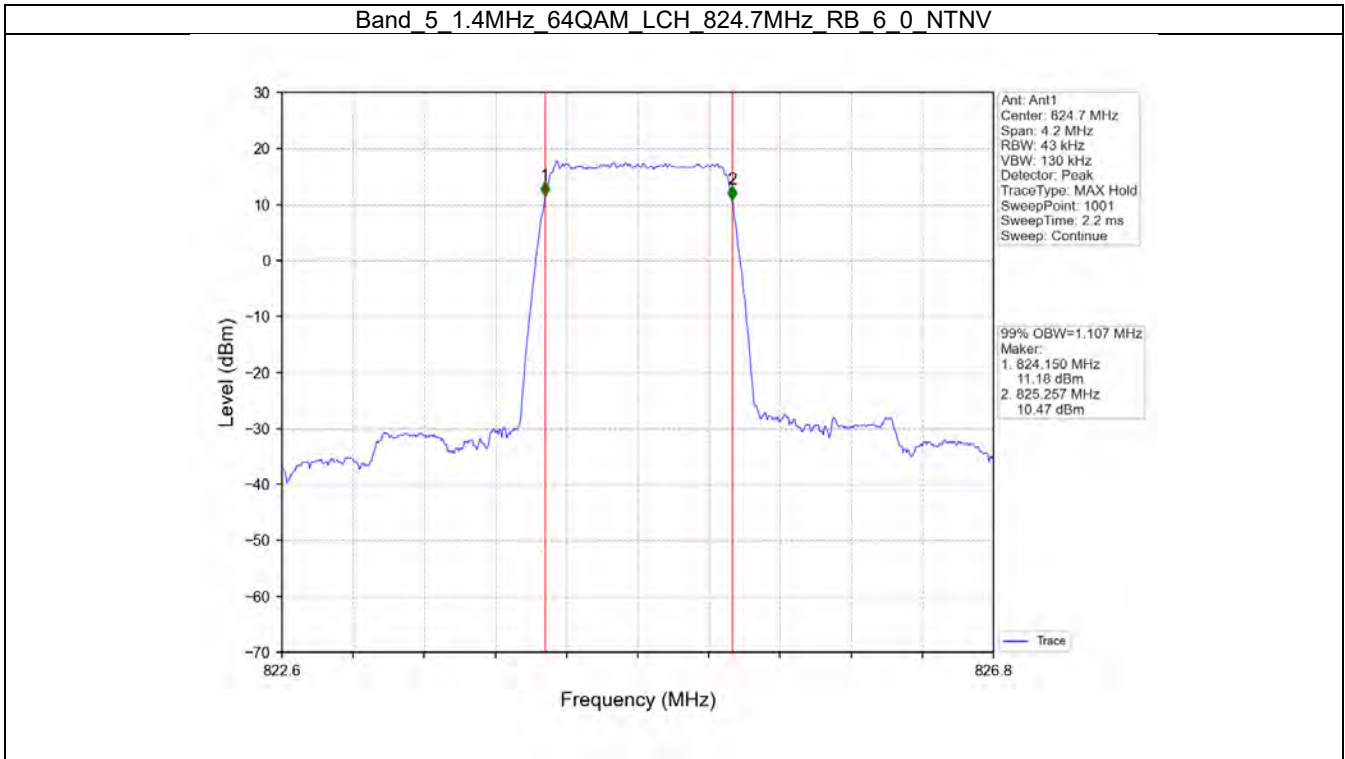
**Band 5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV**

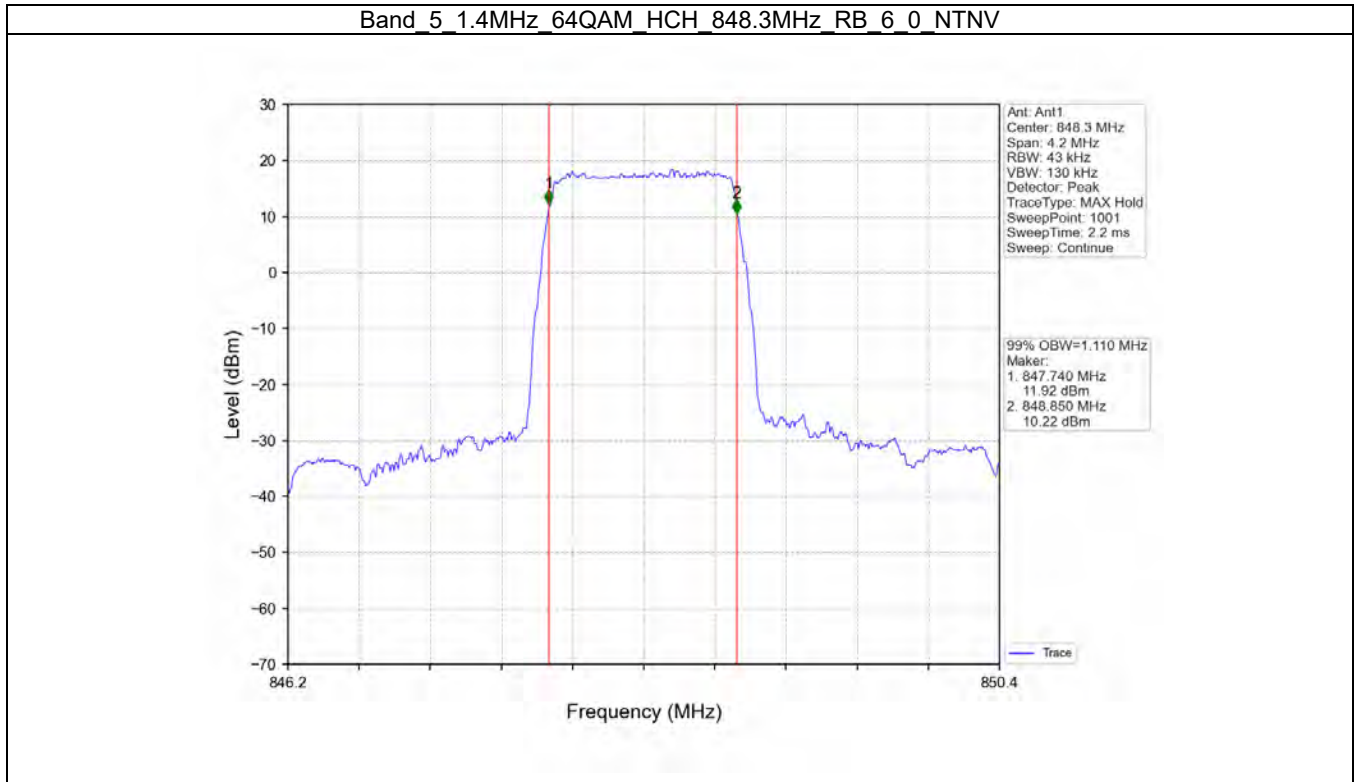


**Band 5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV**



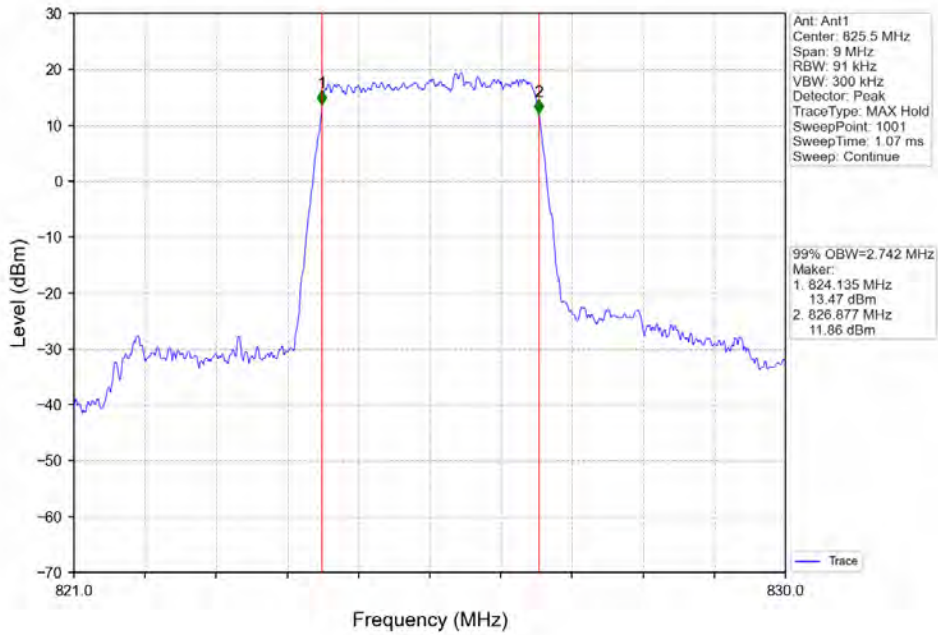




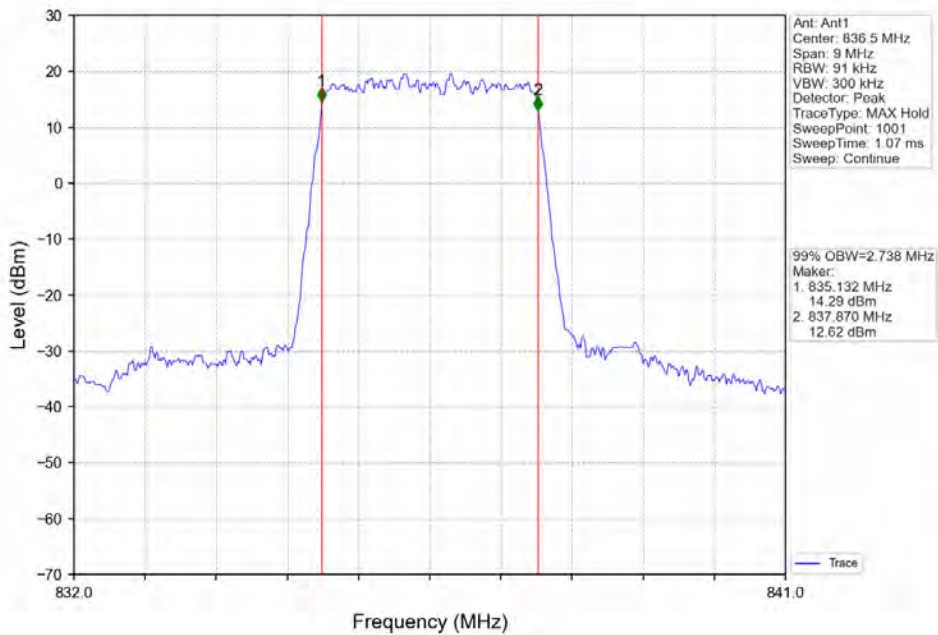




**Band 5 3MHz QPSK LCH 825.5MHz RB 15\_0 NTN**



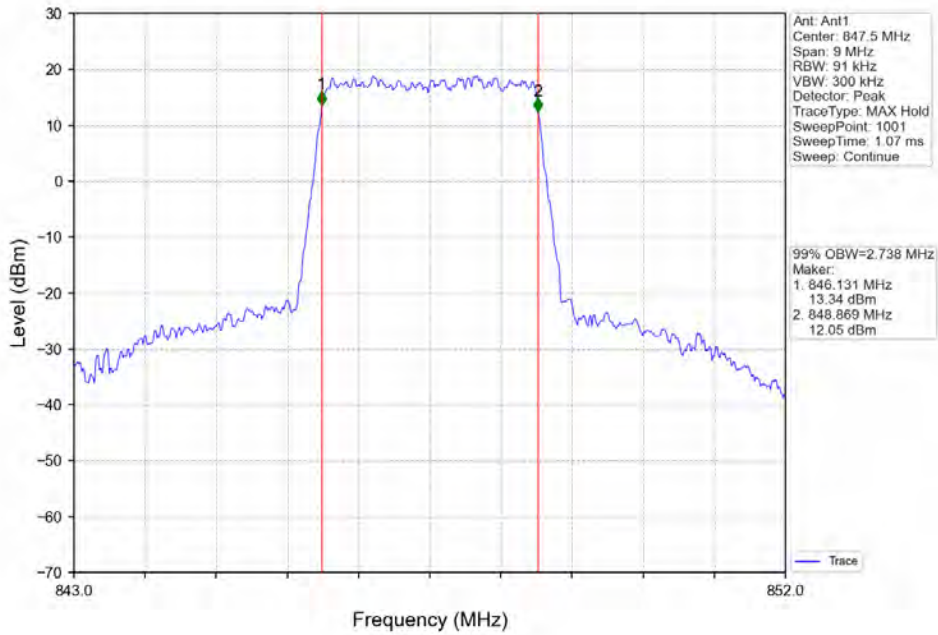
**Band 5 3MHz QPSK MCH 836.5MHz RB 15\_0 NTN**



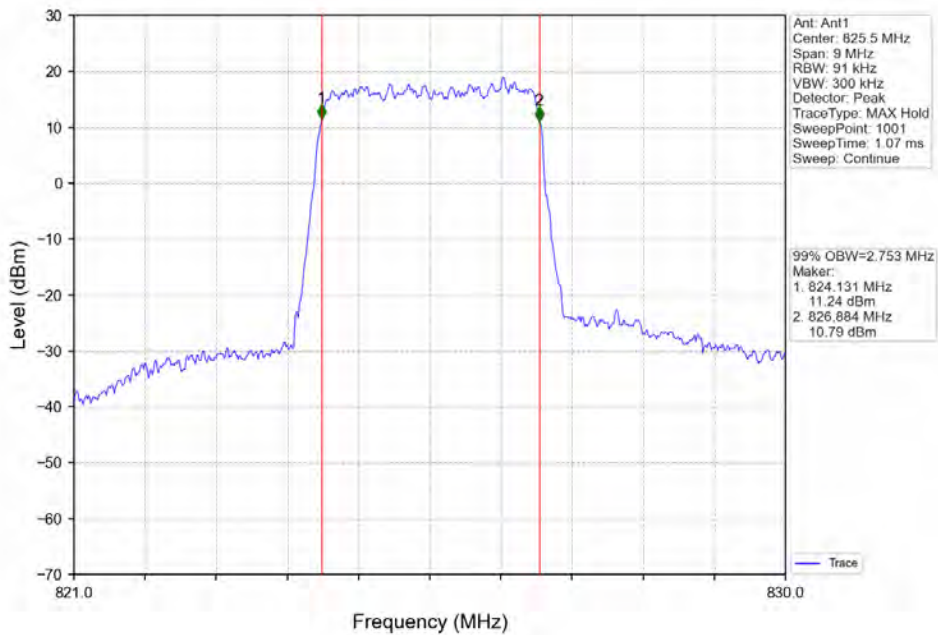




Band 5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV

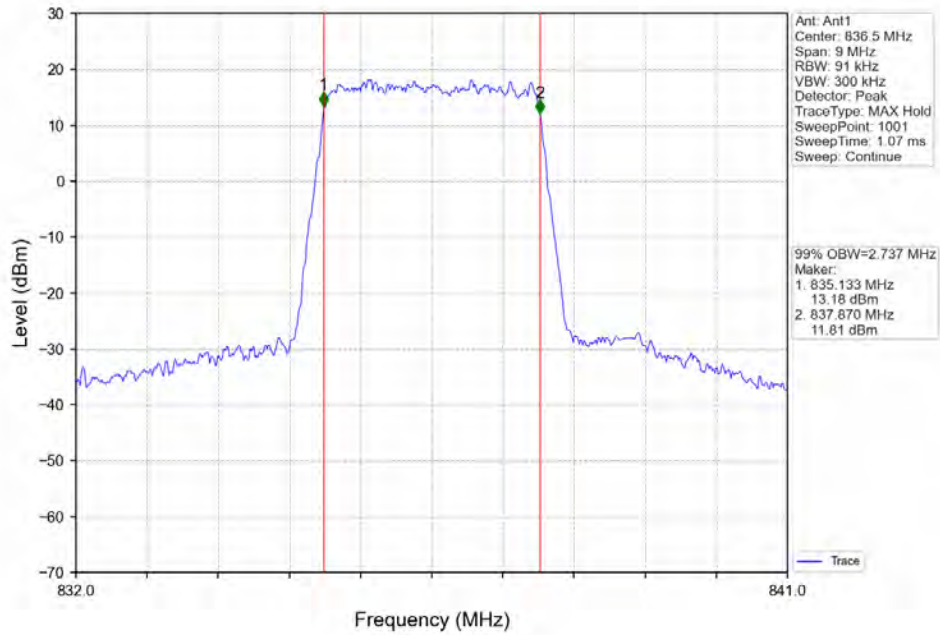


Band 5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV

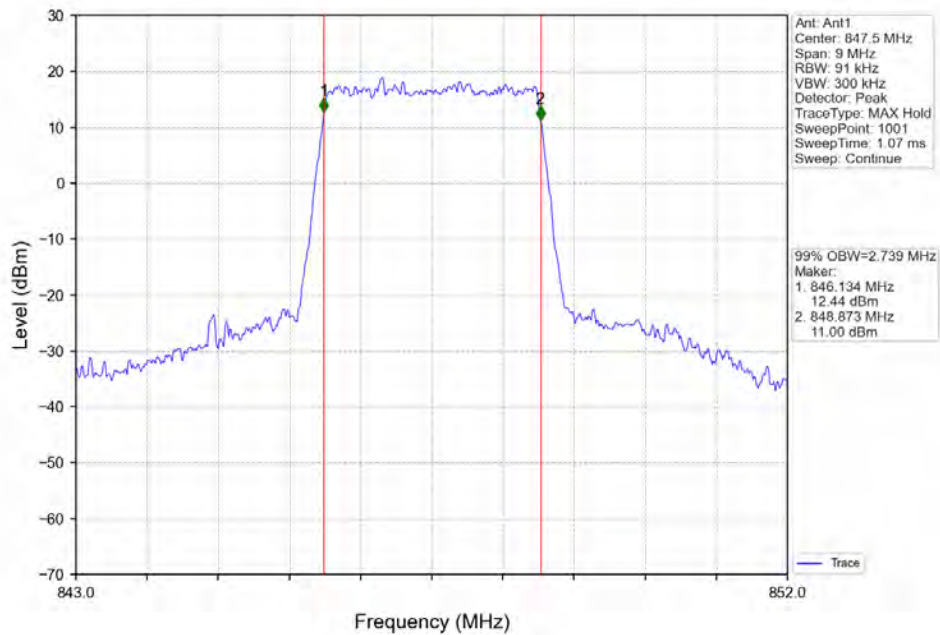




Band 5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV

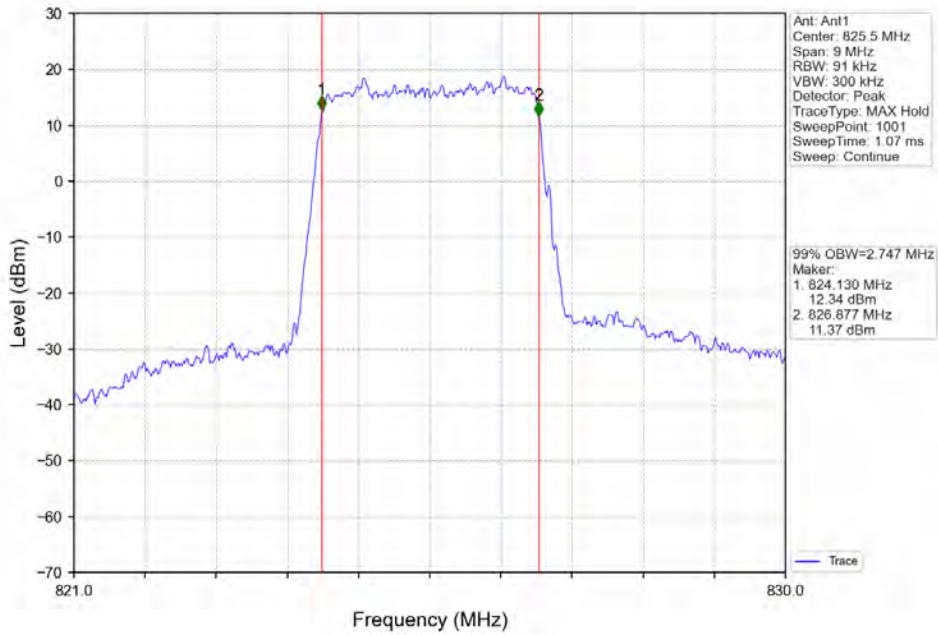


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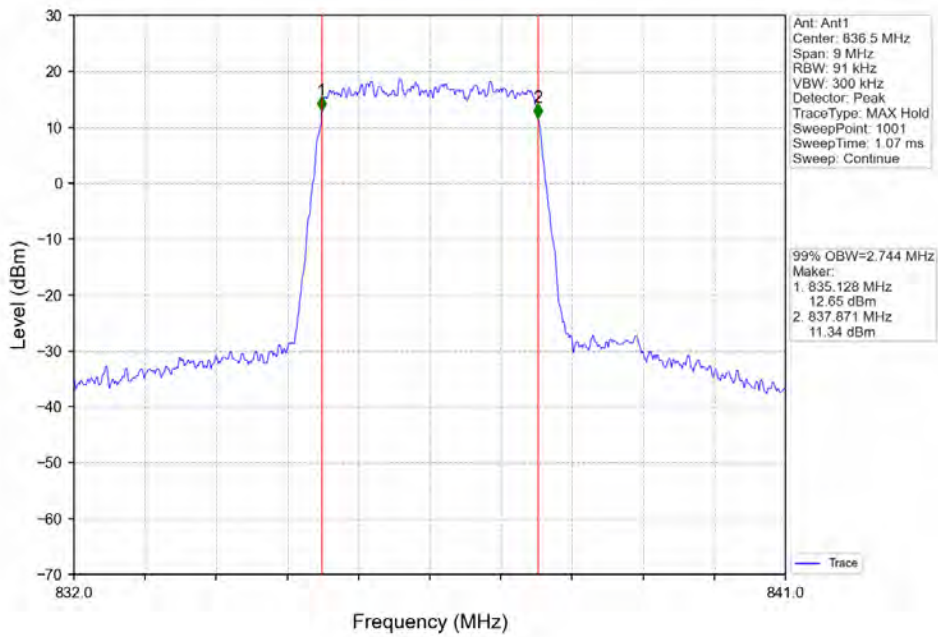


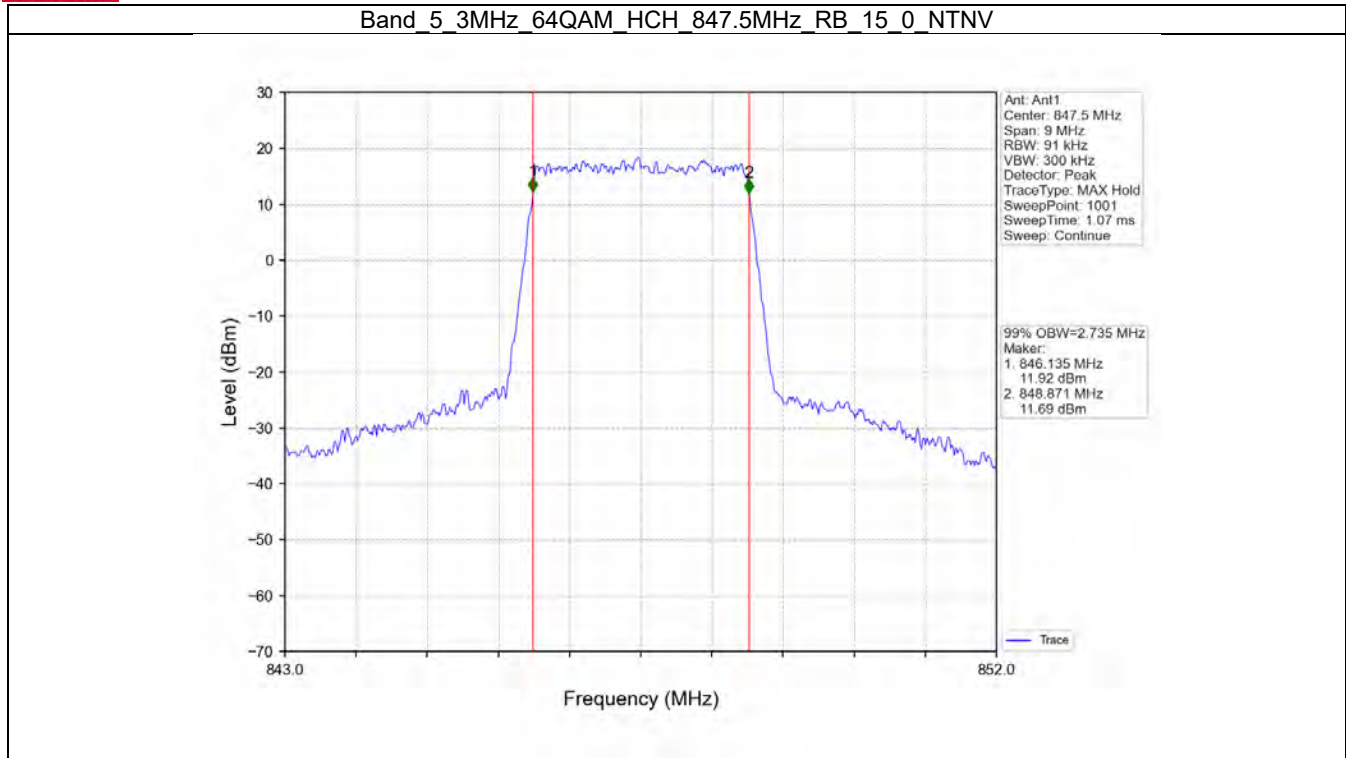


Band 5 3MHz 64QAM LCH 825.5MHz RB 15 0 NTNV



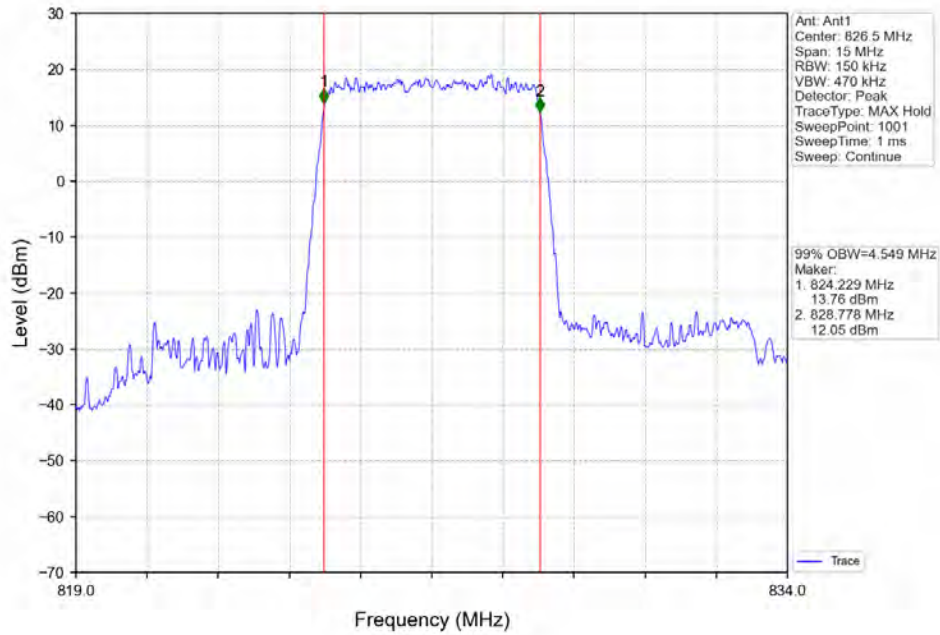
Band 5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTNV



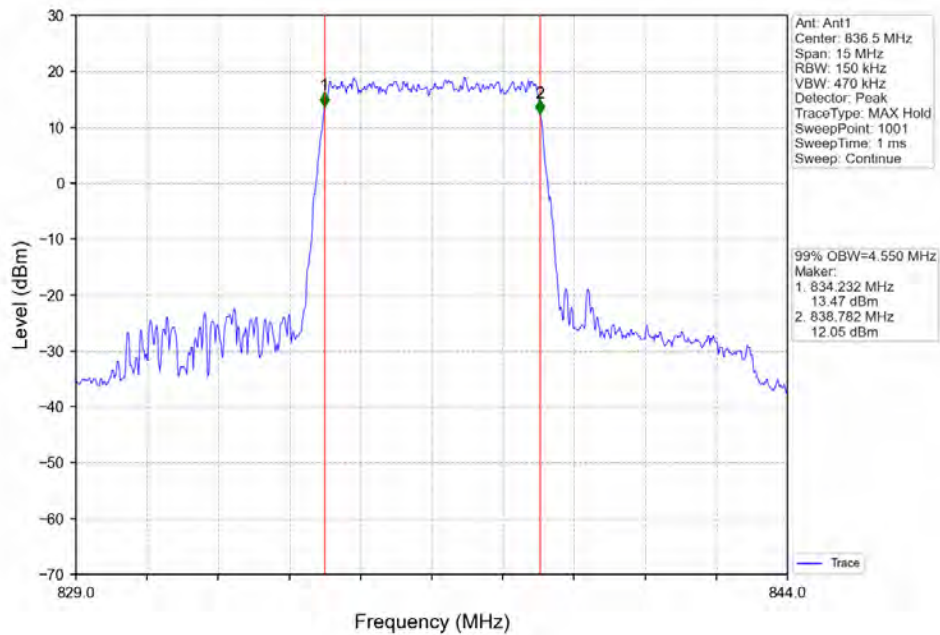




Band 5 5MHz QPSK LCH 826.5MHz RB 25\_0 NTN

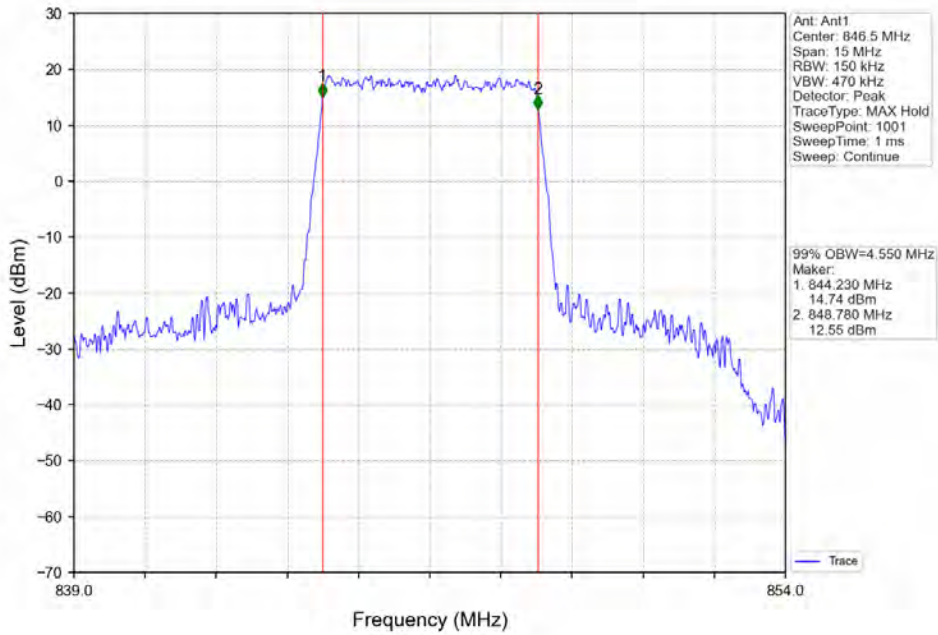


Band 5 5MHz QPSK MCH 836.5MHz RB 25\_0 NTN

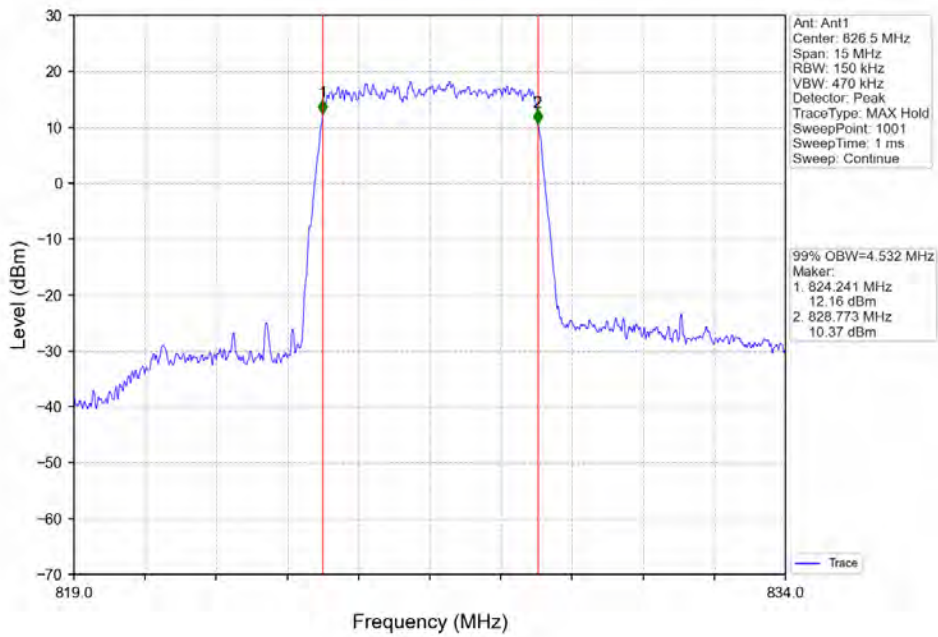




Band 5 5MHz QPSK HCH 846.5MHz RB 25 0 NTV

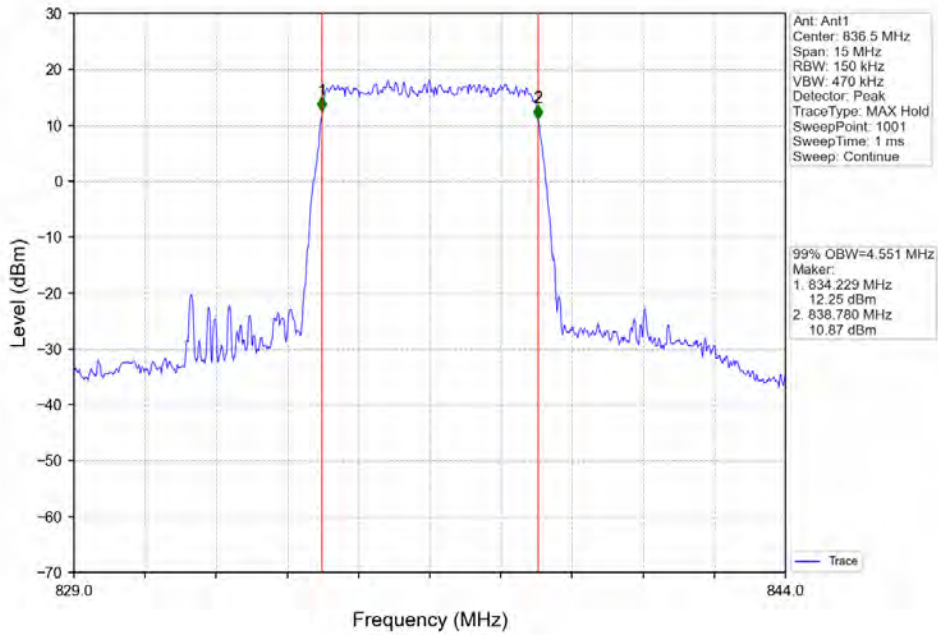


Band 5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTV

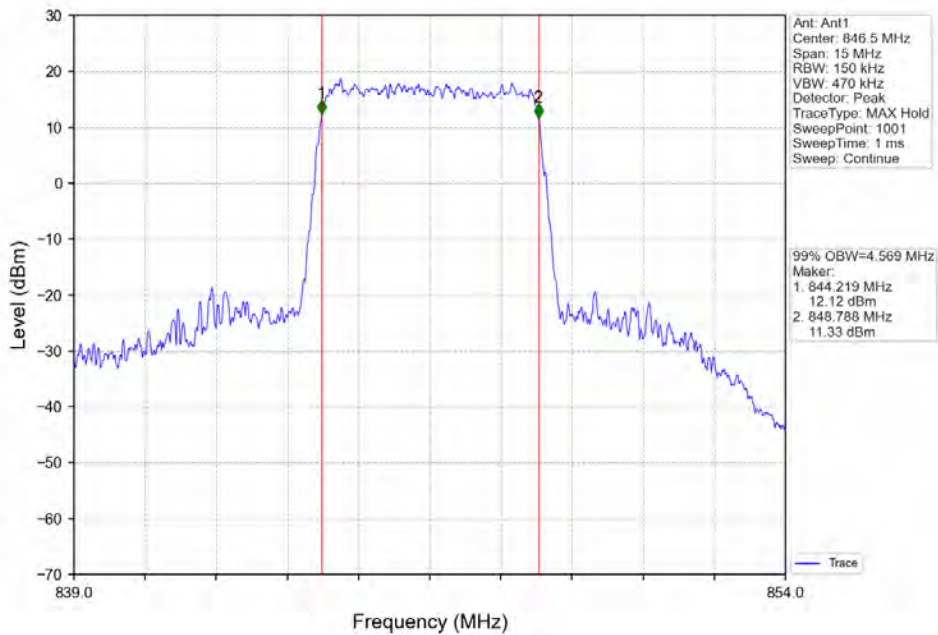




Band 5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV

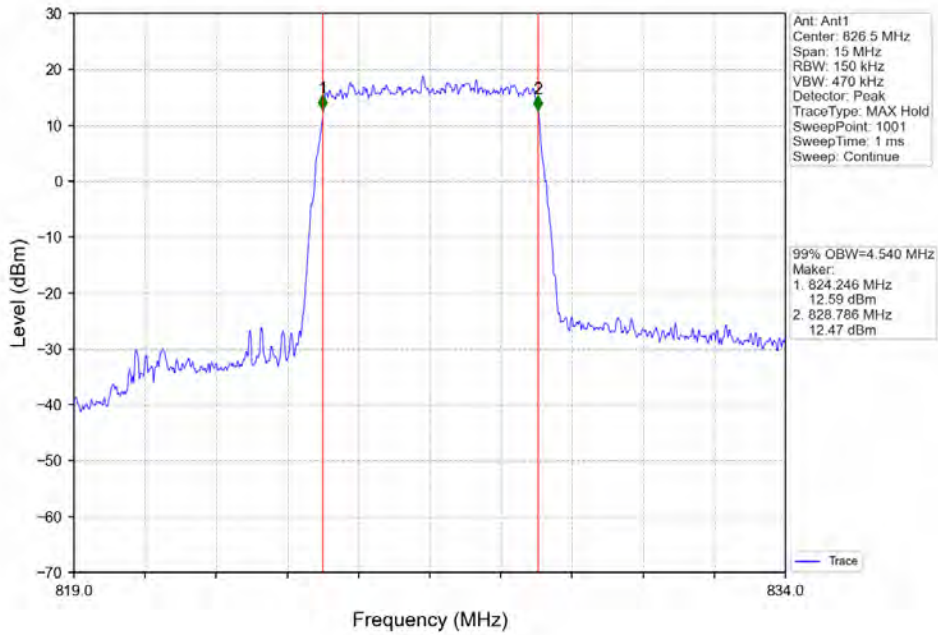


Band 5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

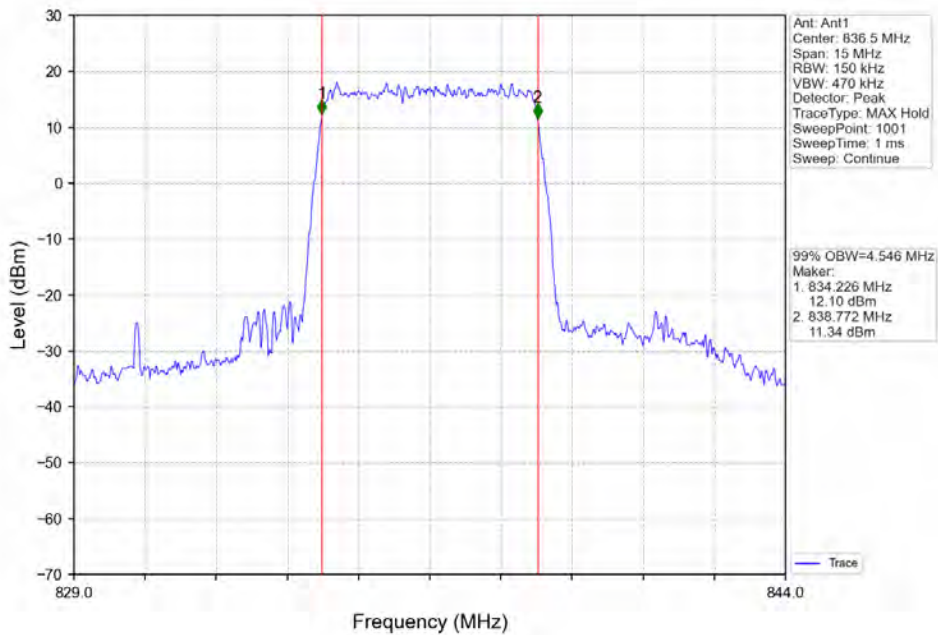




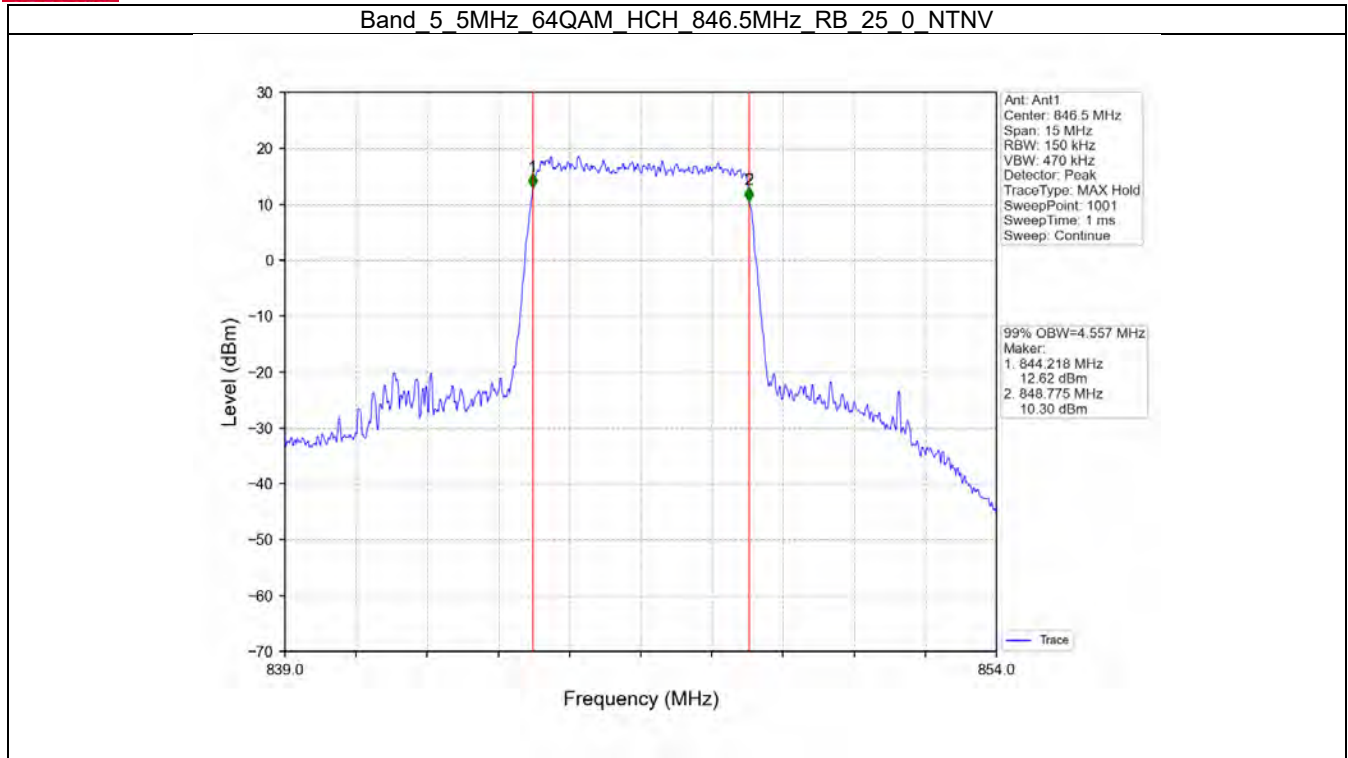
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Band 5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV

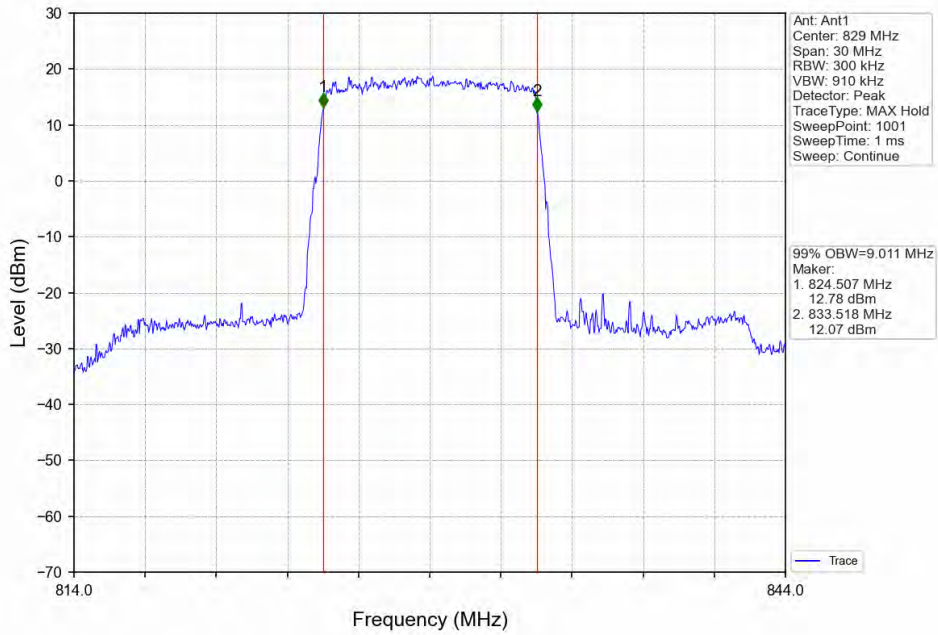




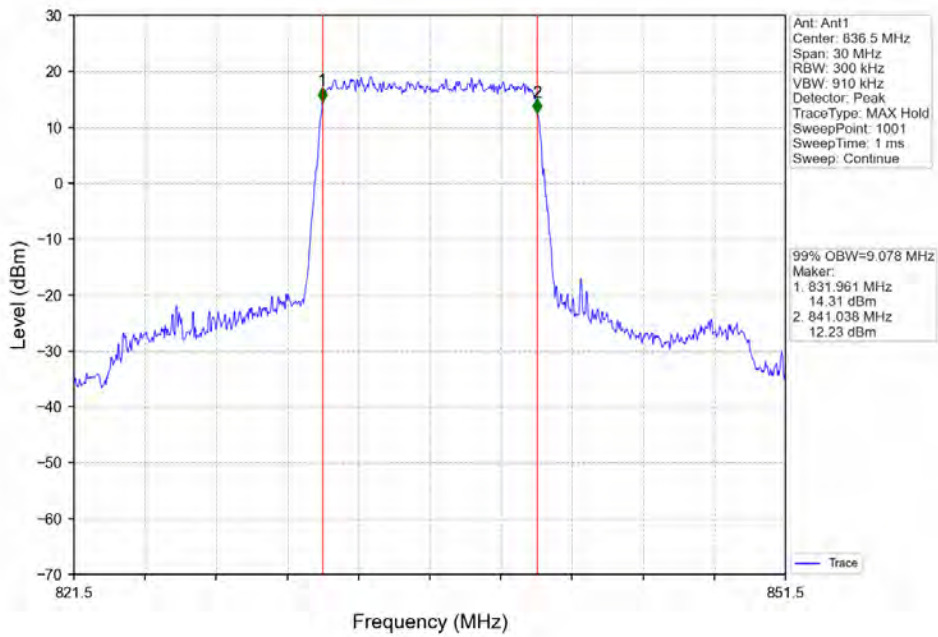




Band 5 10MHz QPSK LCH 829MHz RB 50 0 NTV

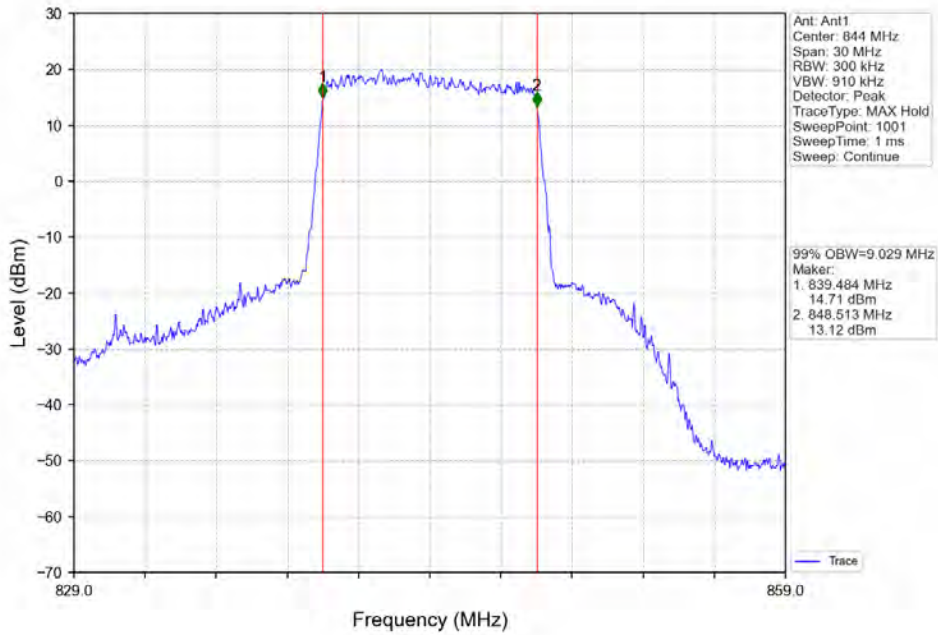


Band 5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV

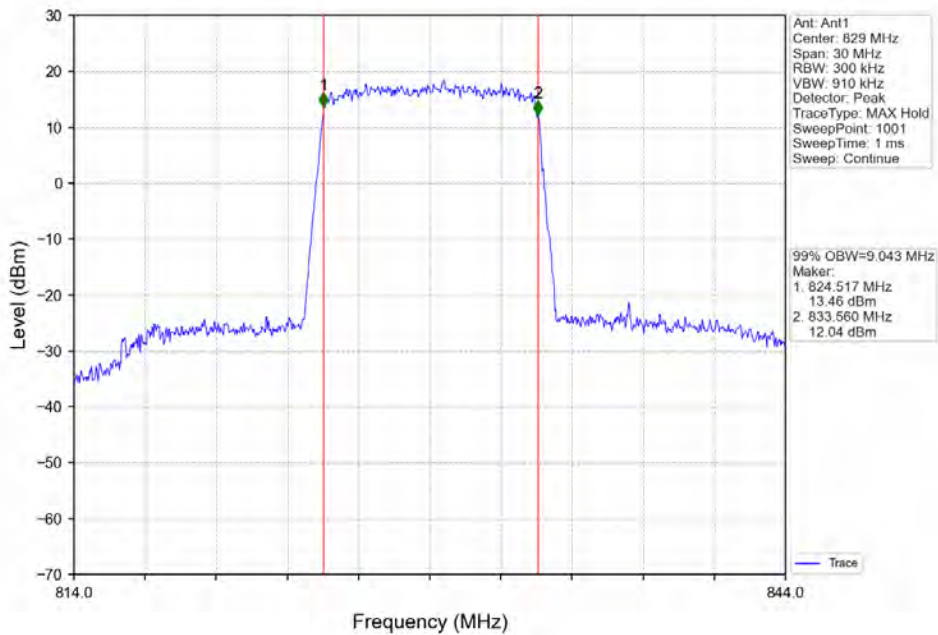




Band 5 10MHz QPSK HCH 844MHz RB 50 0 NTV

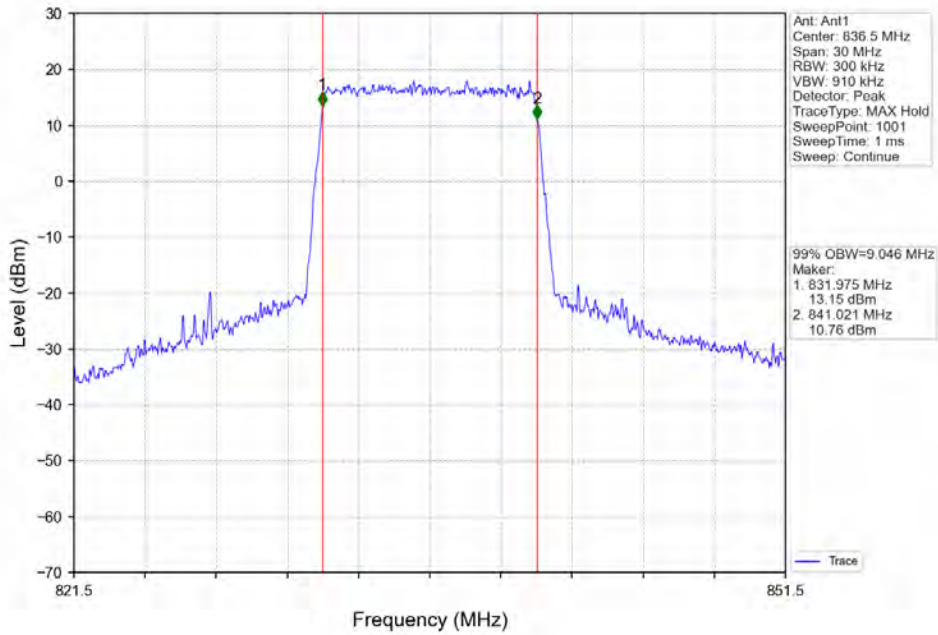


Band 5 10MHz 16QAM LCH 829MHz RB 50 0 NTV

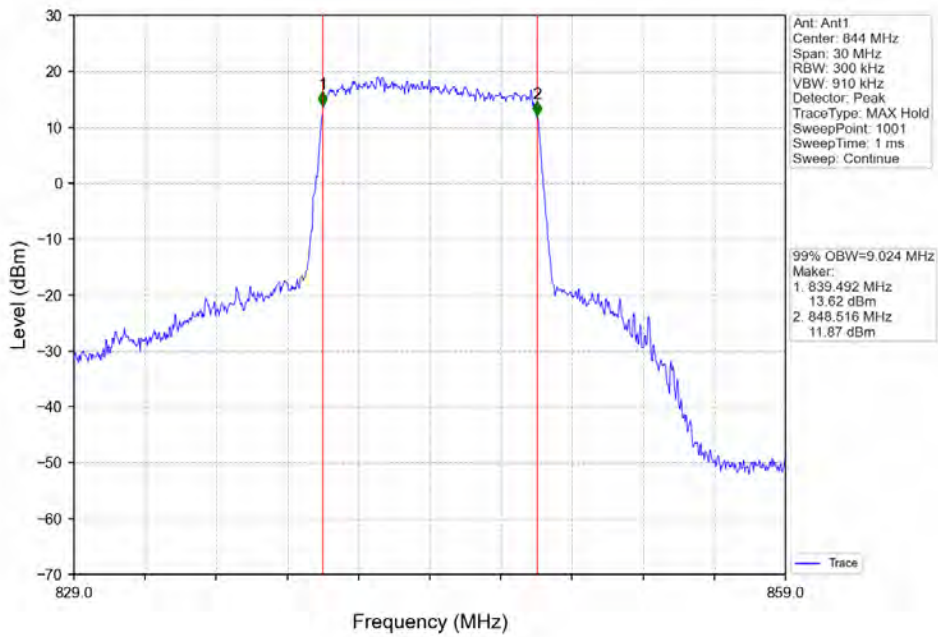




Band 5 10MHz 16QAM MCH 836.5MHz RB 50\_0\_NTNV

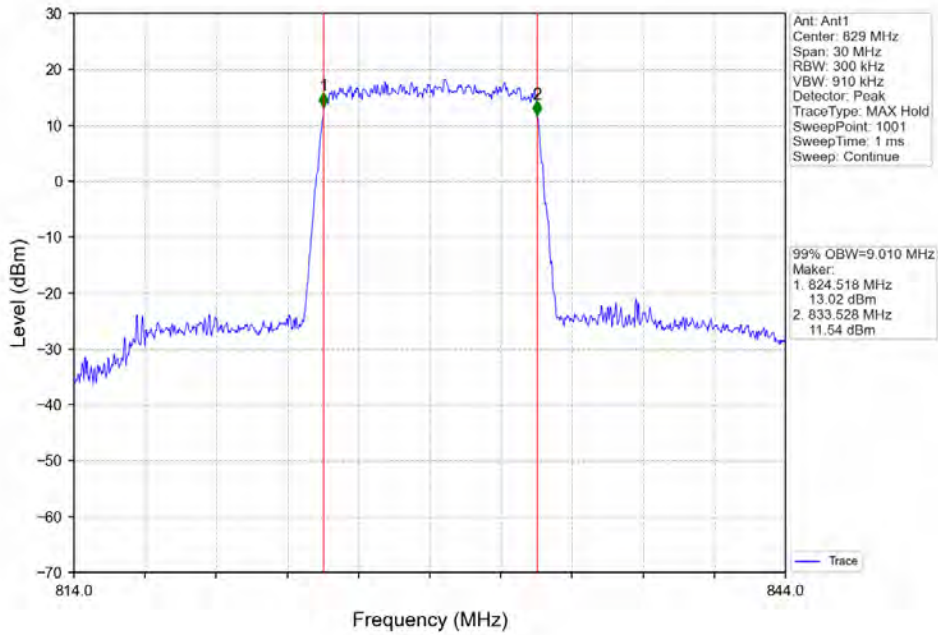


Band 5 10MHz 16QAM HCH 844MHz RB 50\_0\_NTNV

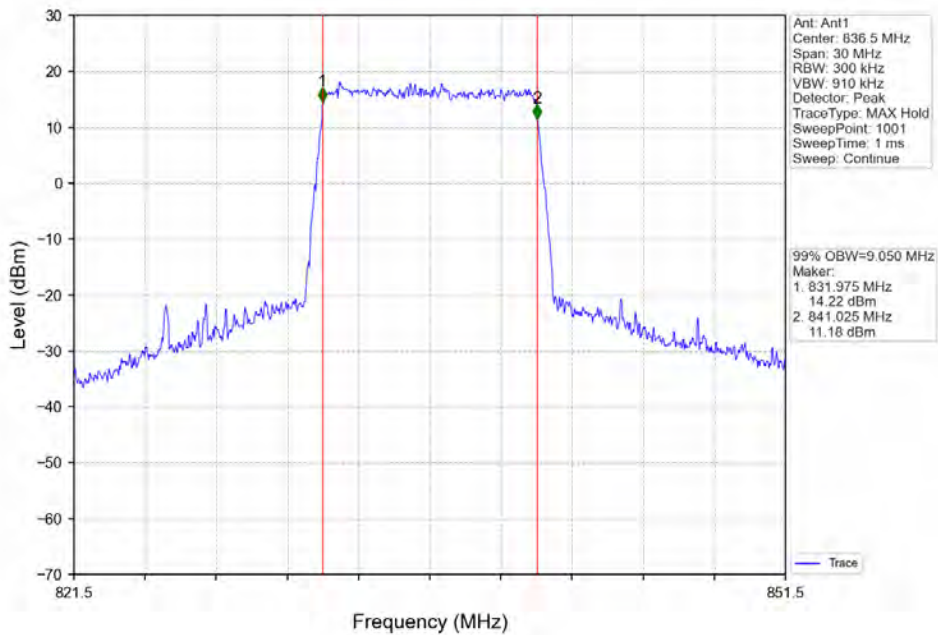




Band 5 10MHz 64QAM LCH 829MHz RB 50 0 NTN

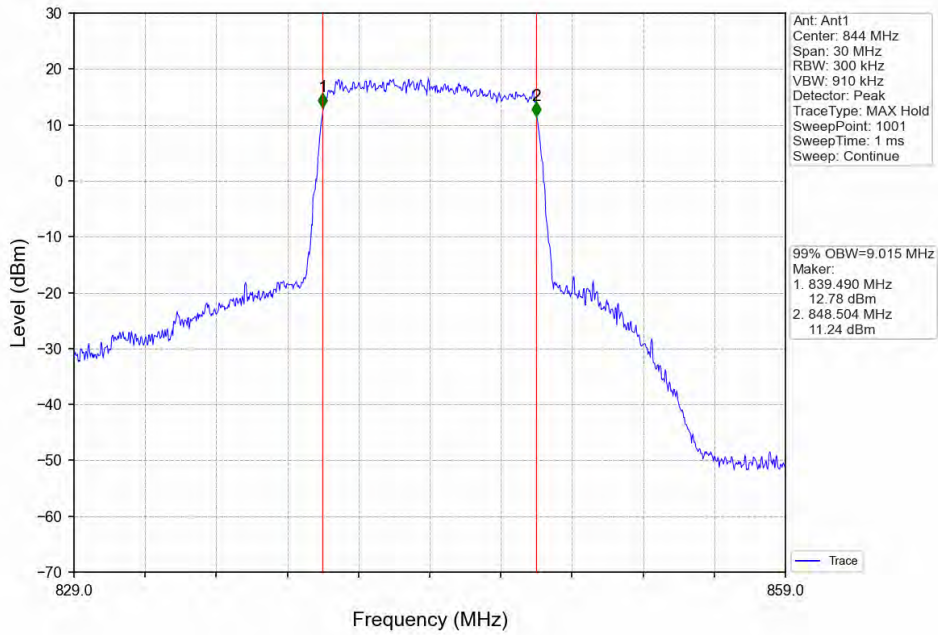


Band 5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTN





Band 5 10MHz 64QAM HCH 844MHz RB 50 0 NTN





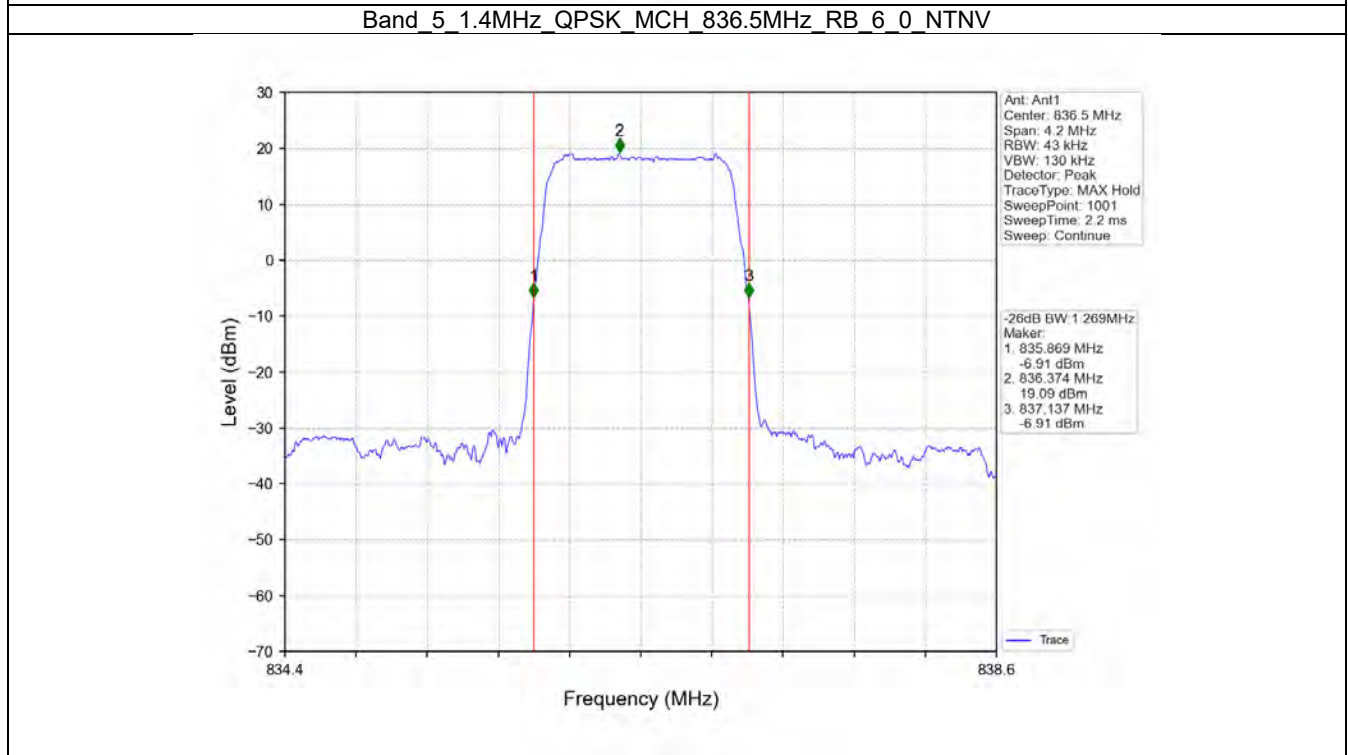
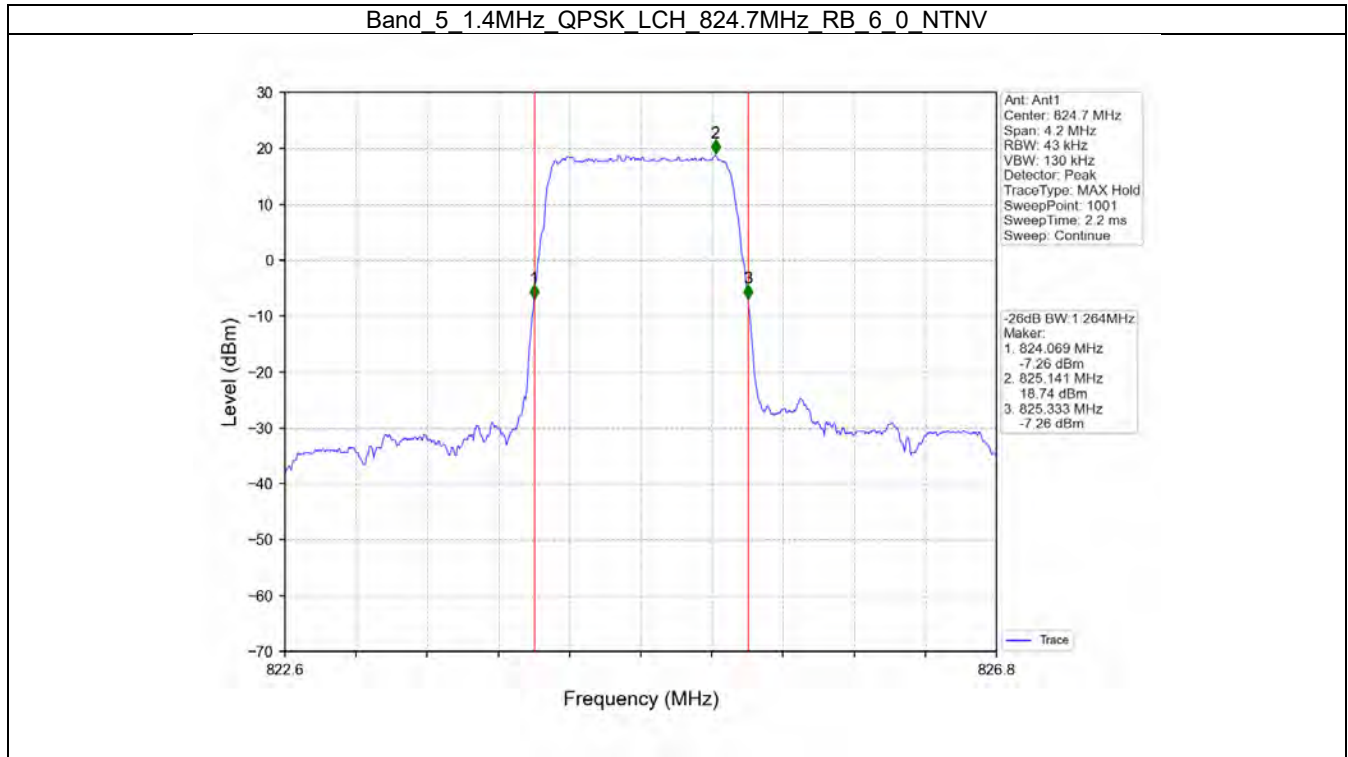
## 2.6 LTE\_Band 5\_26DB

### 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



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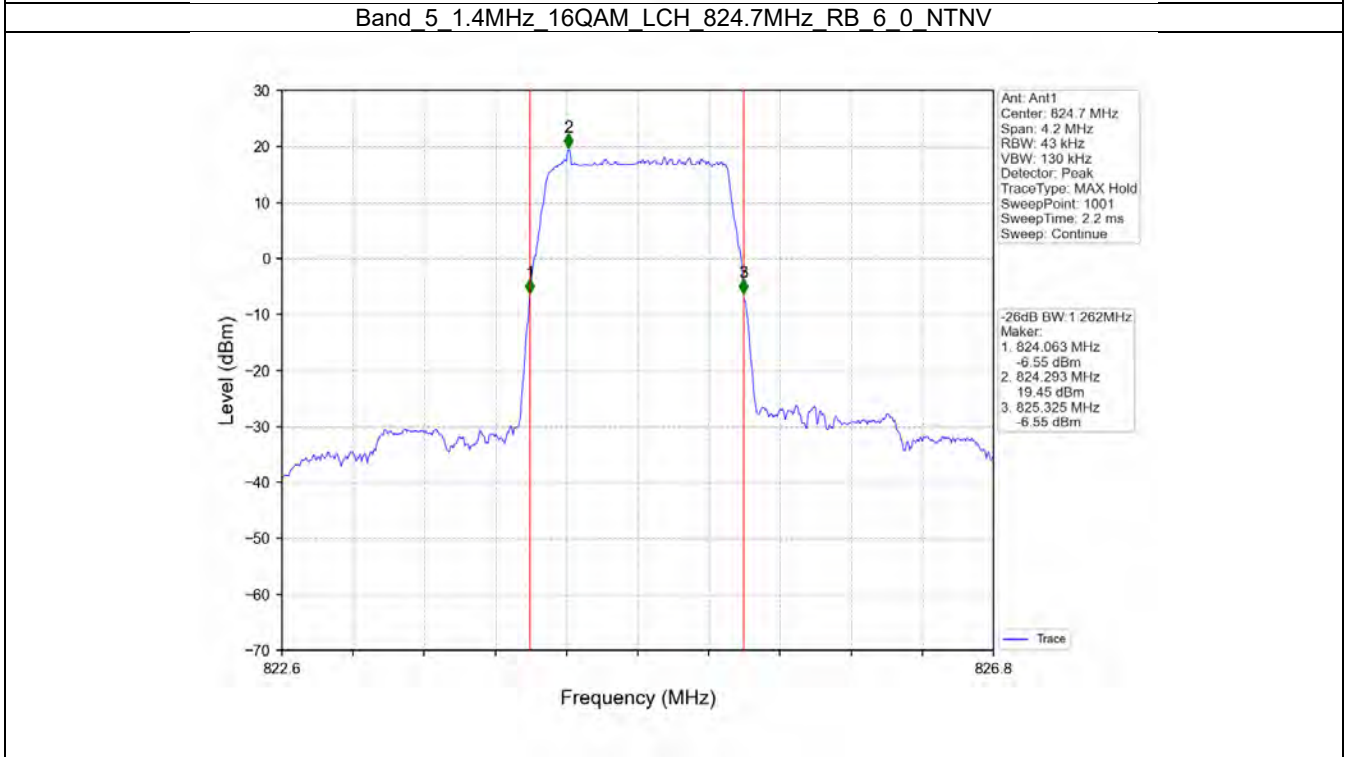
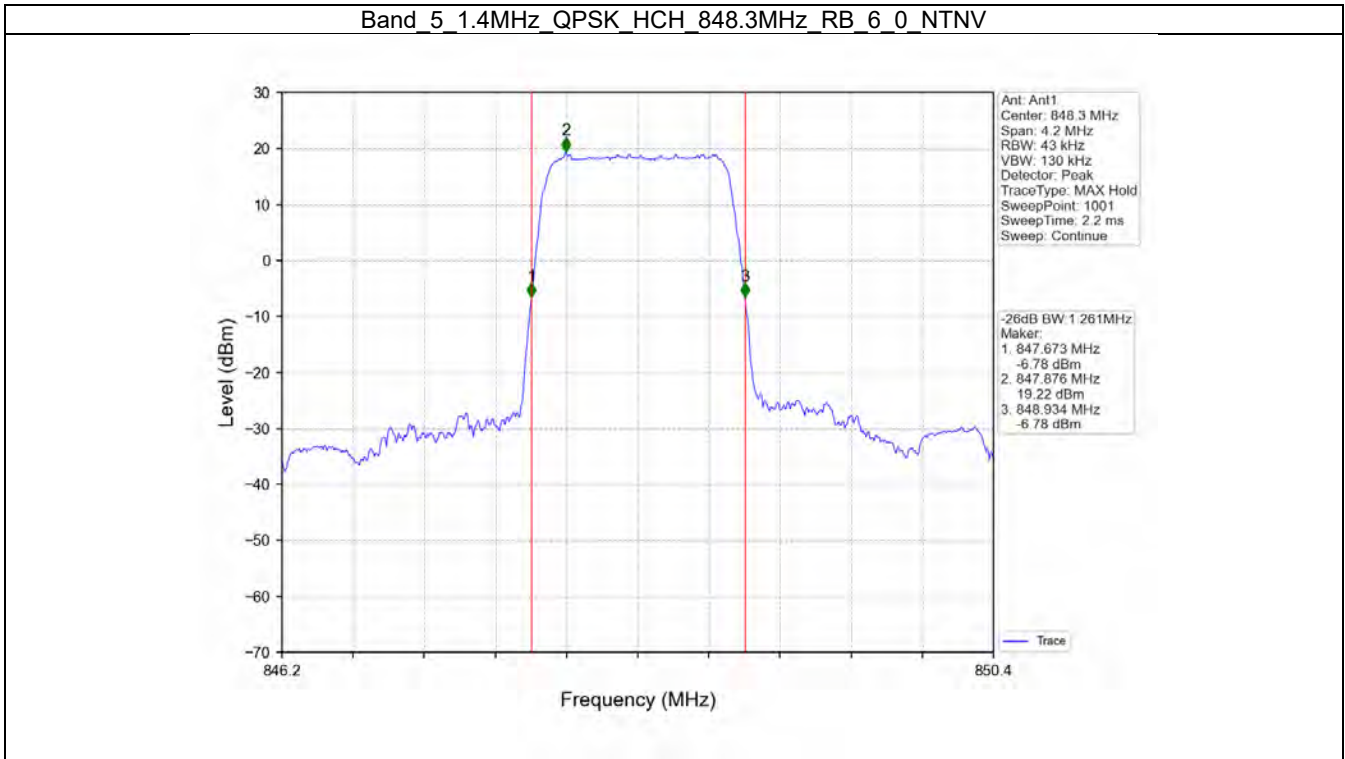
No.B102, Dazu Chuangxin Mansion, North of Beihuan  
Avenue, North Area, Hi-Tech Industrial Park, Nanshan  
District, Shenzhen, Guangdong, China

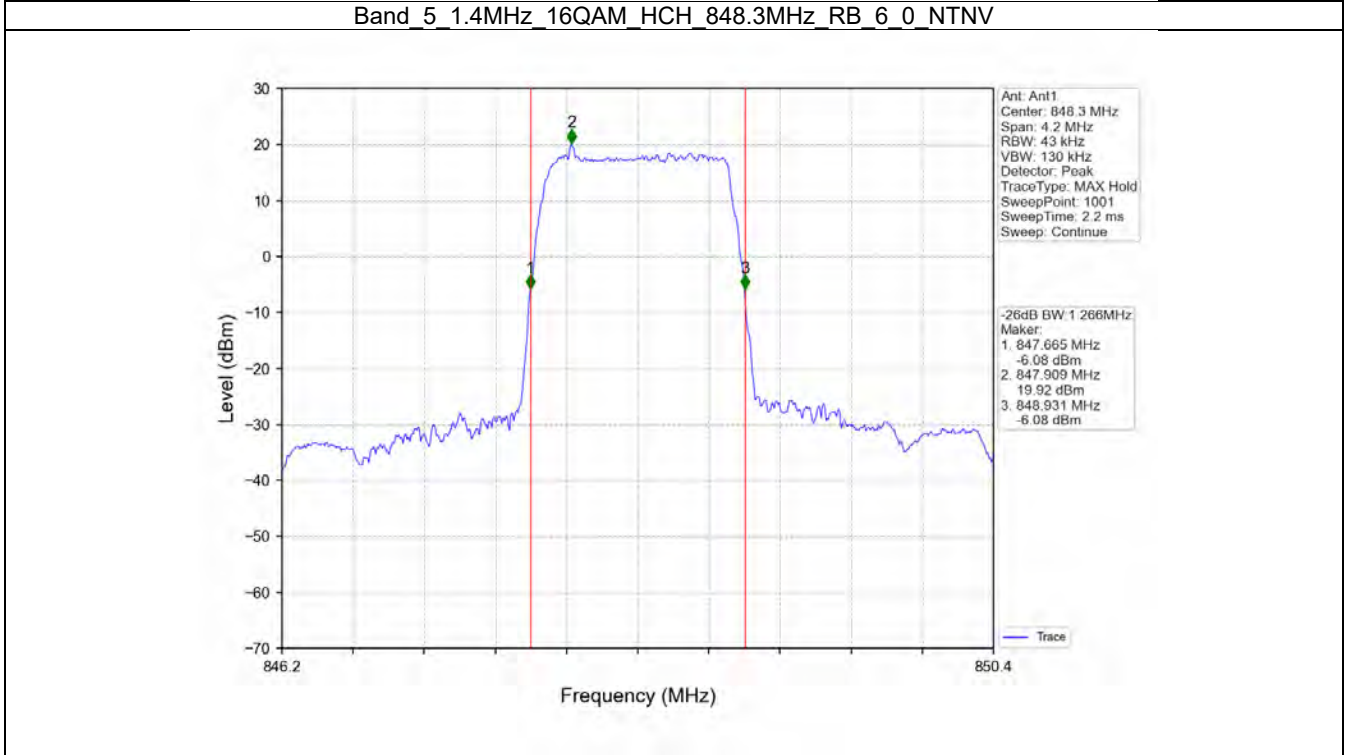
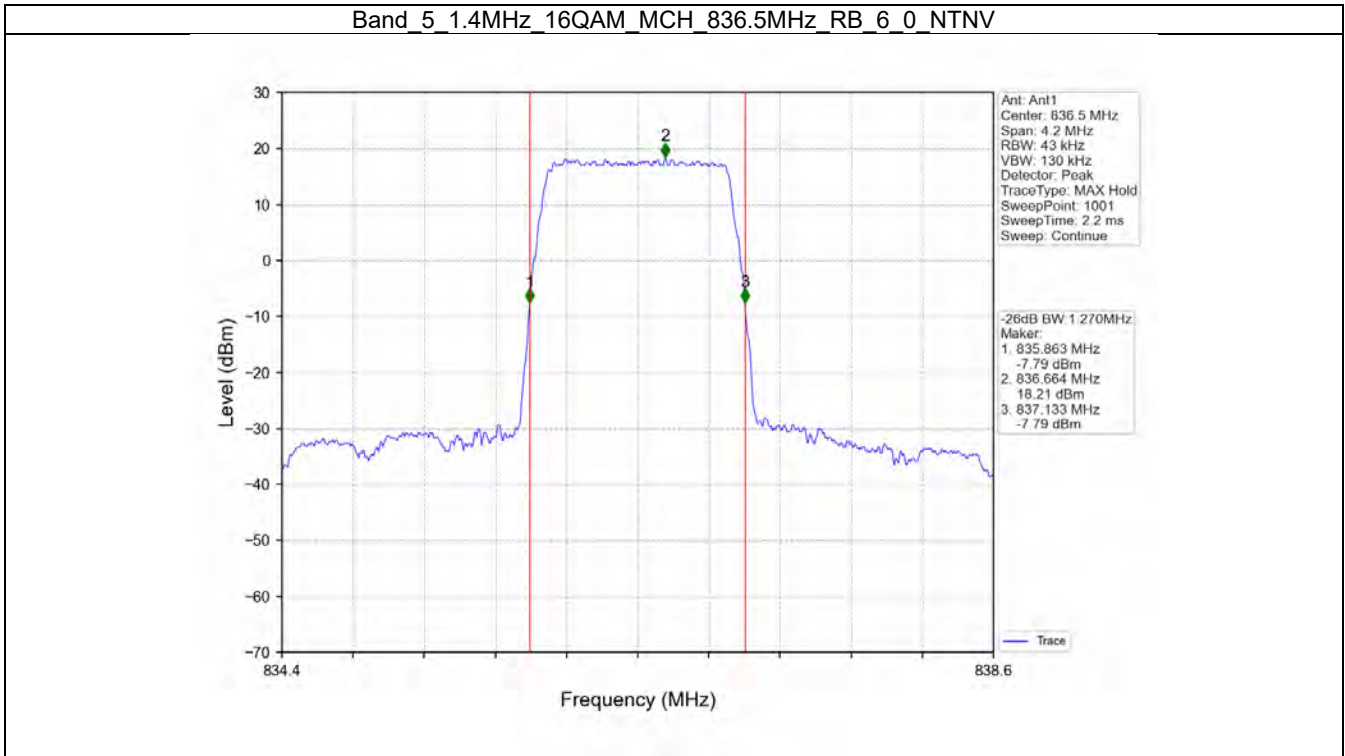
Tel: +86 755 8869 6566

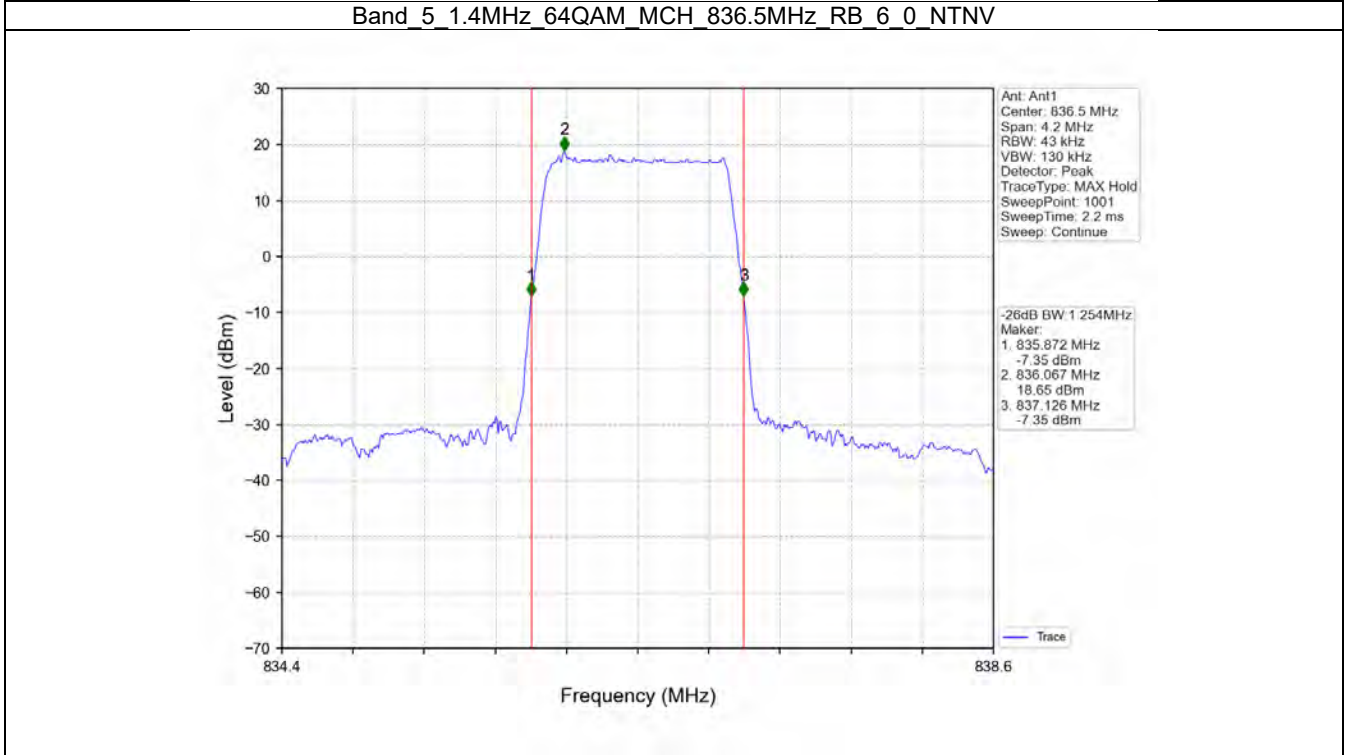
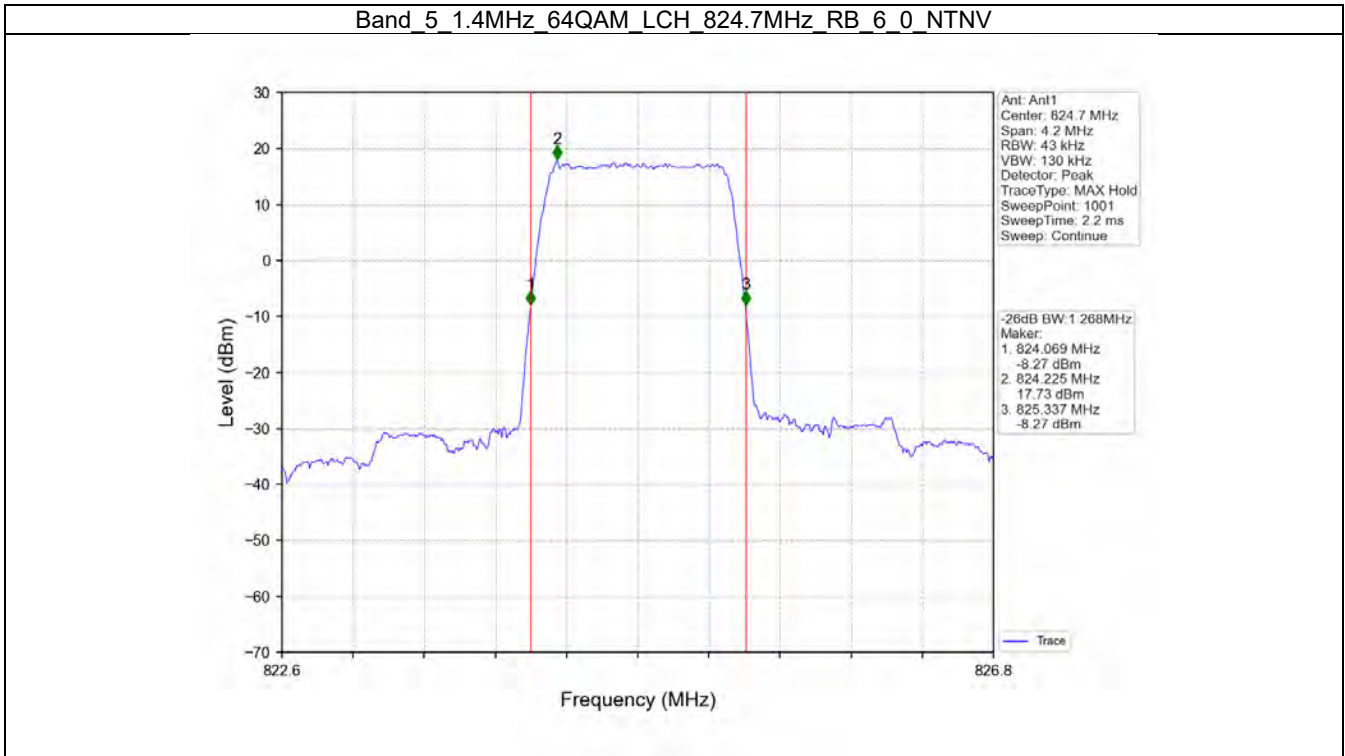
Fax: +86 755 8869 6577

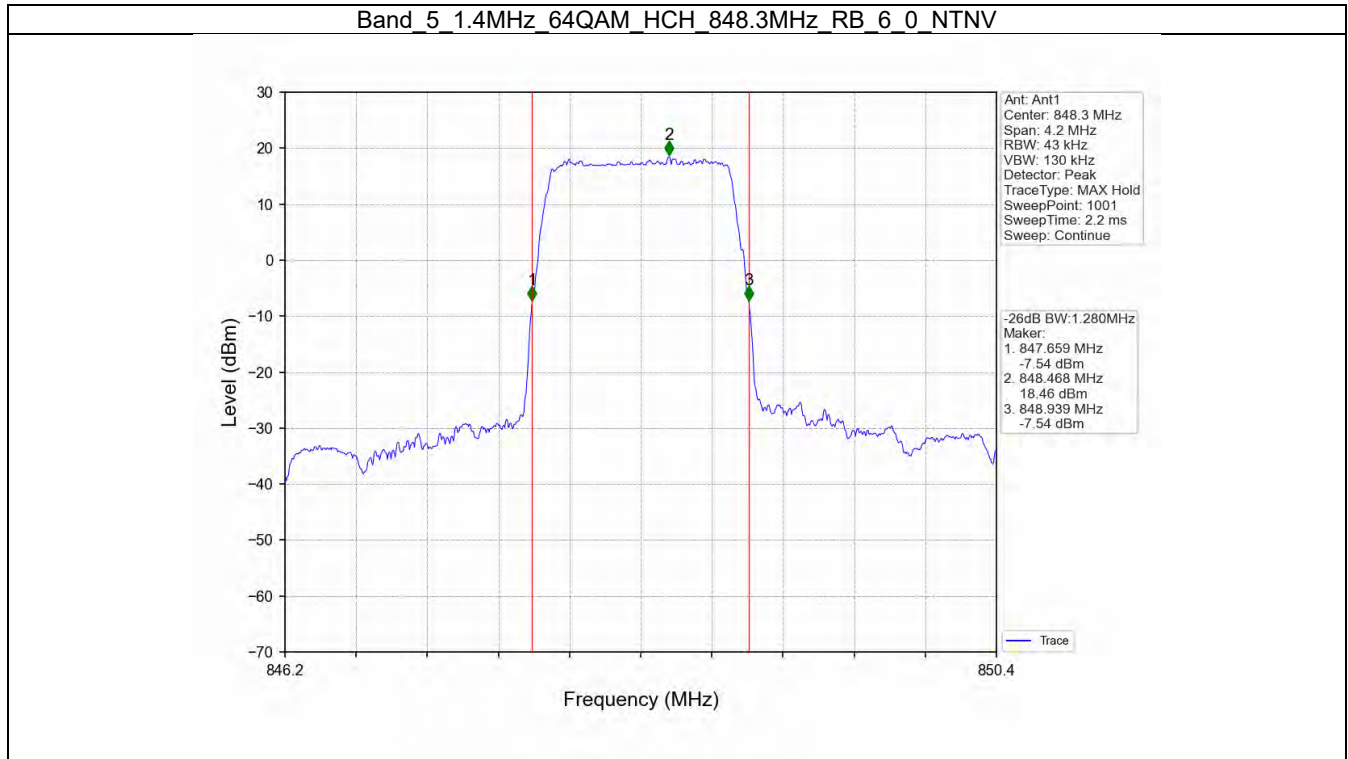
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)





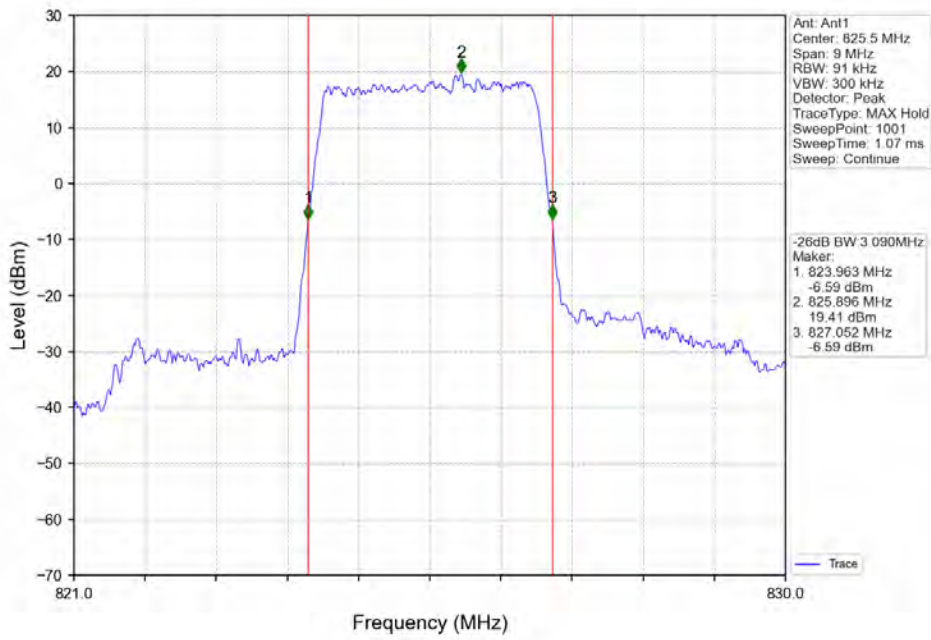




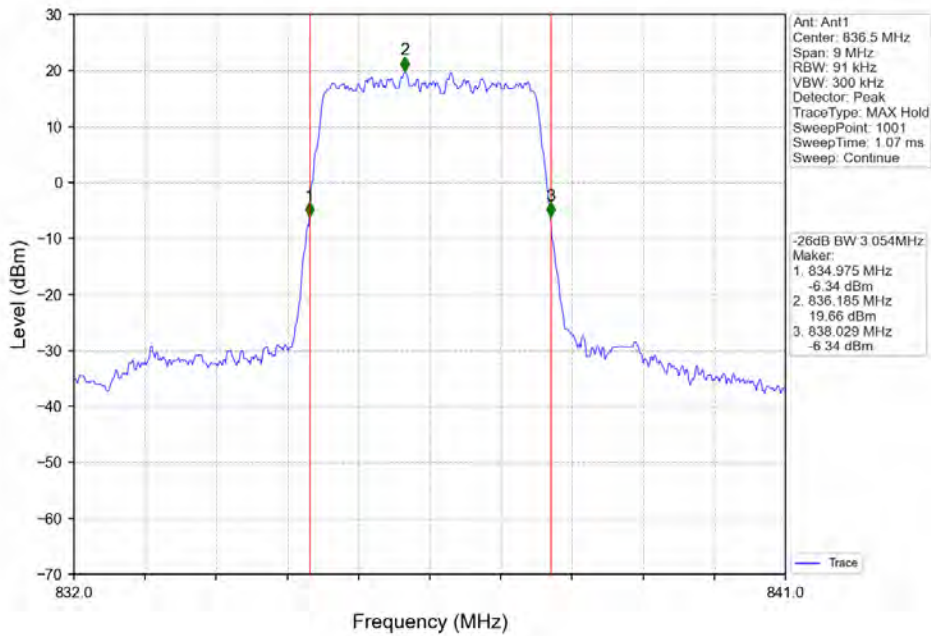




**Band 5 3MHz QPSK LCH 825.5MHz RB 15\_0 NTN**

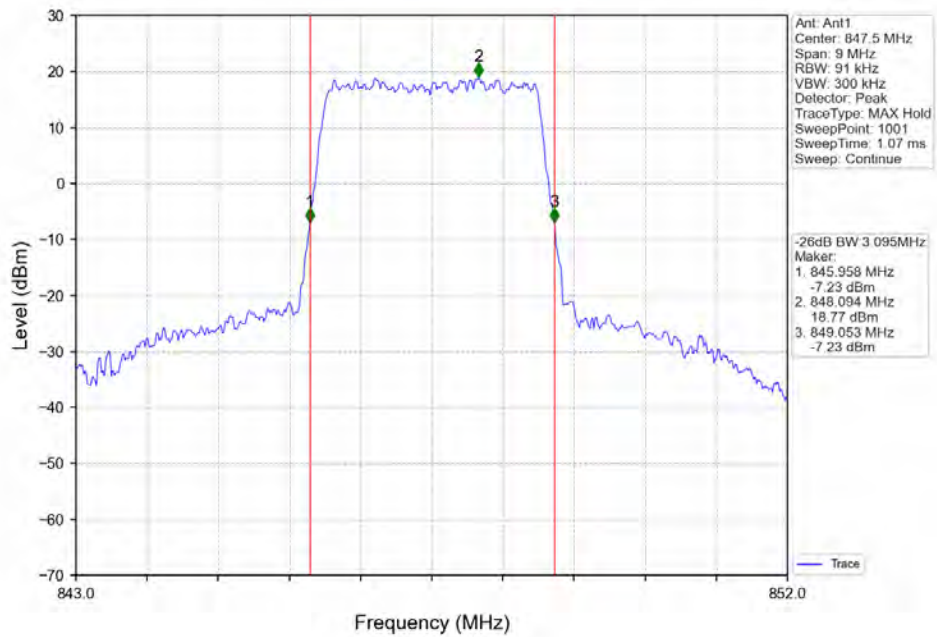


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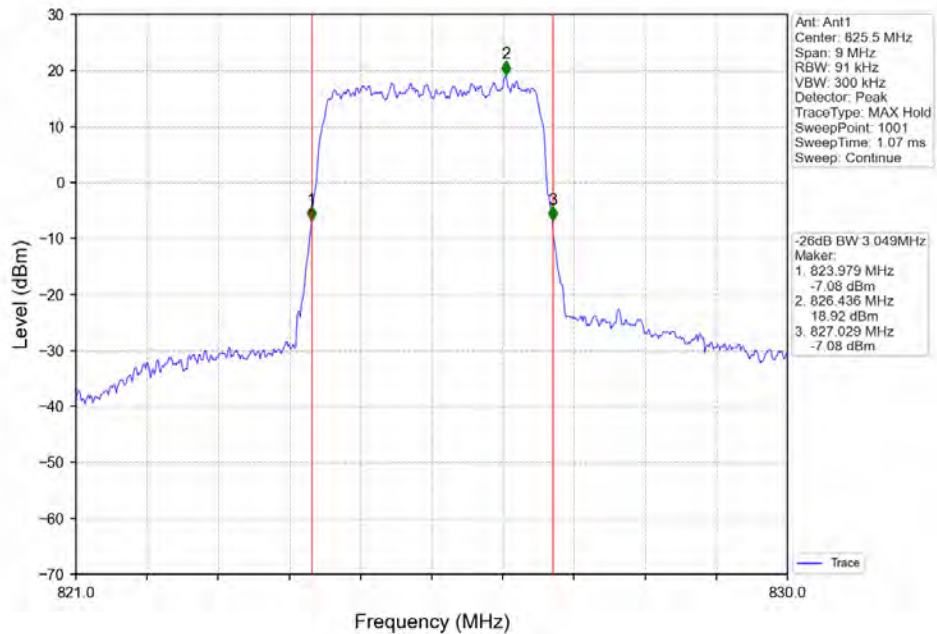


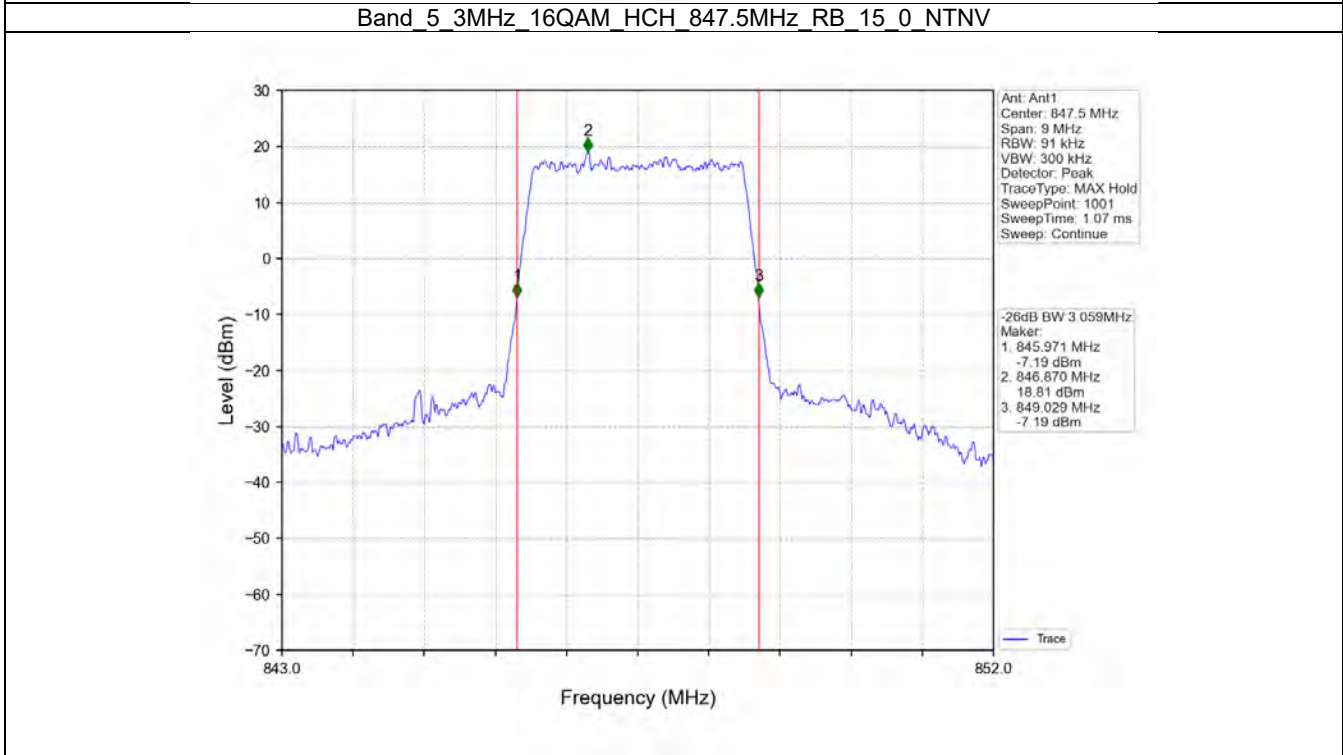
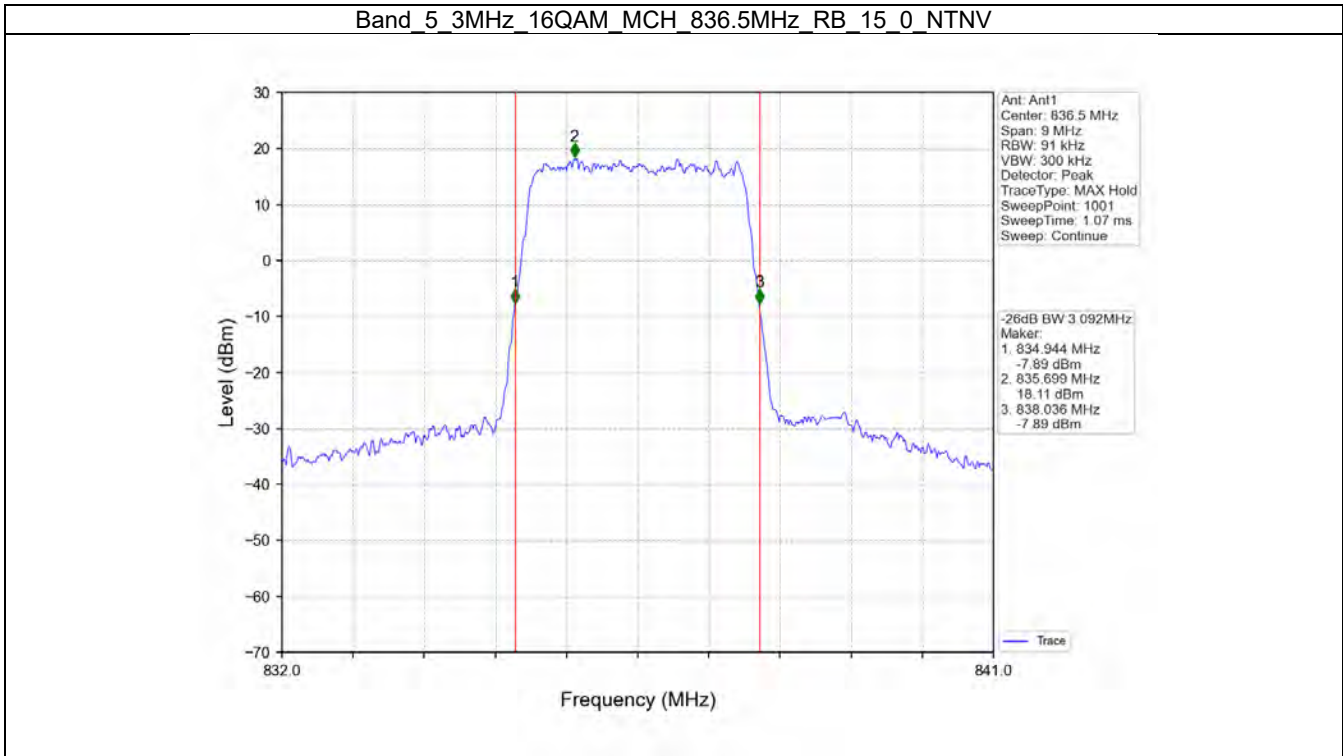


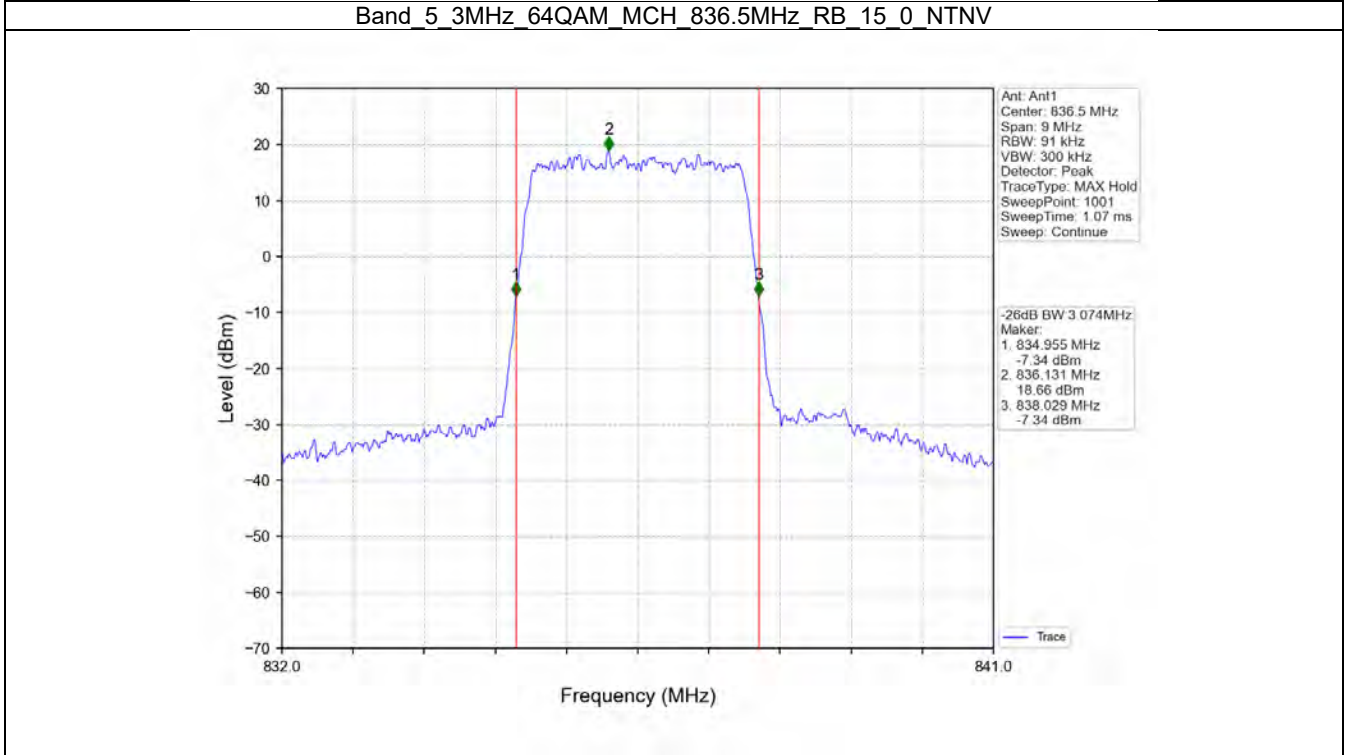
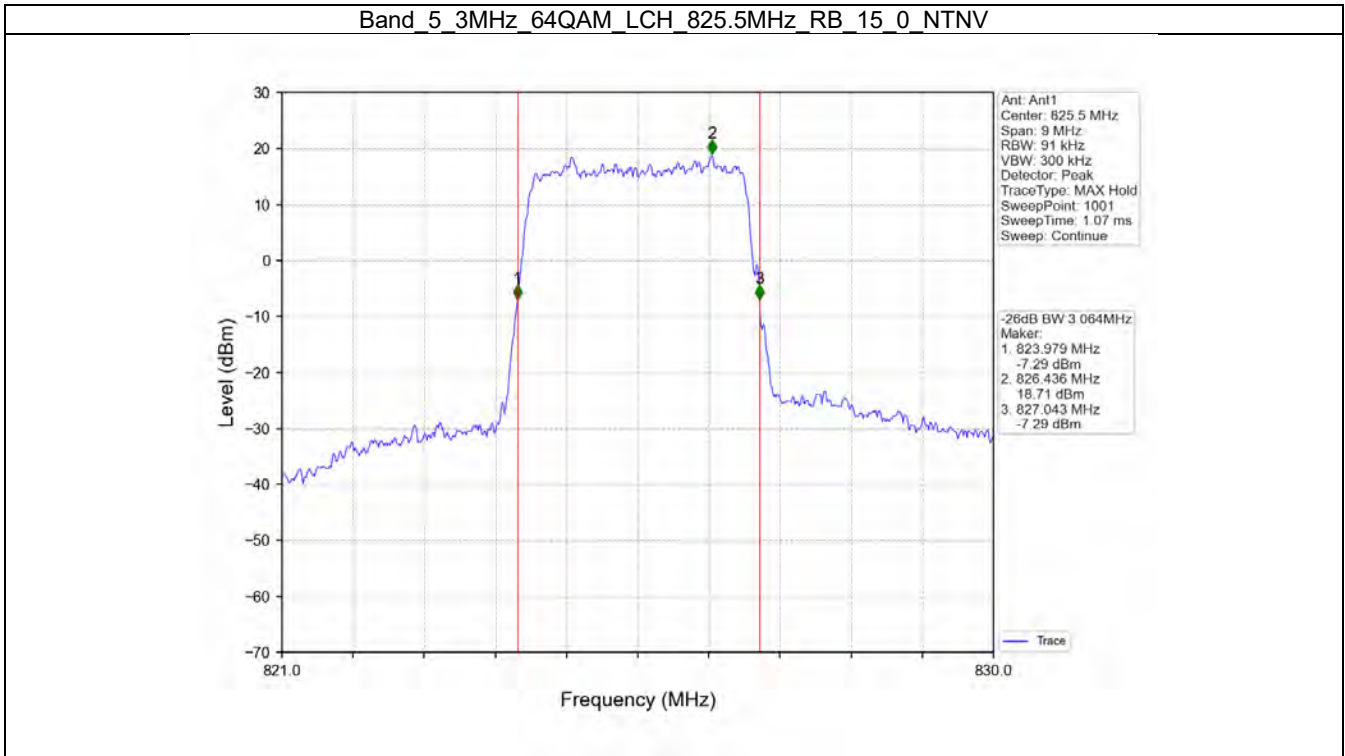
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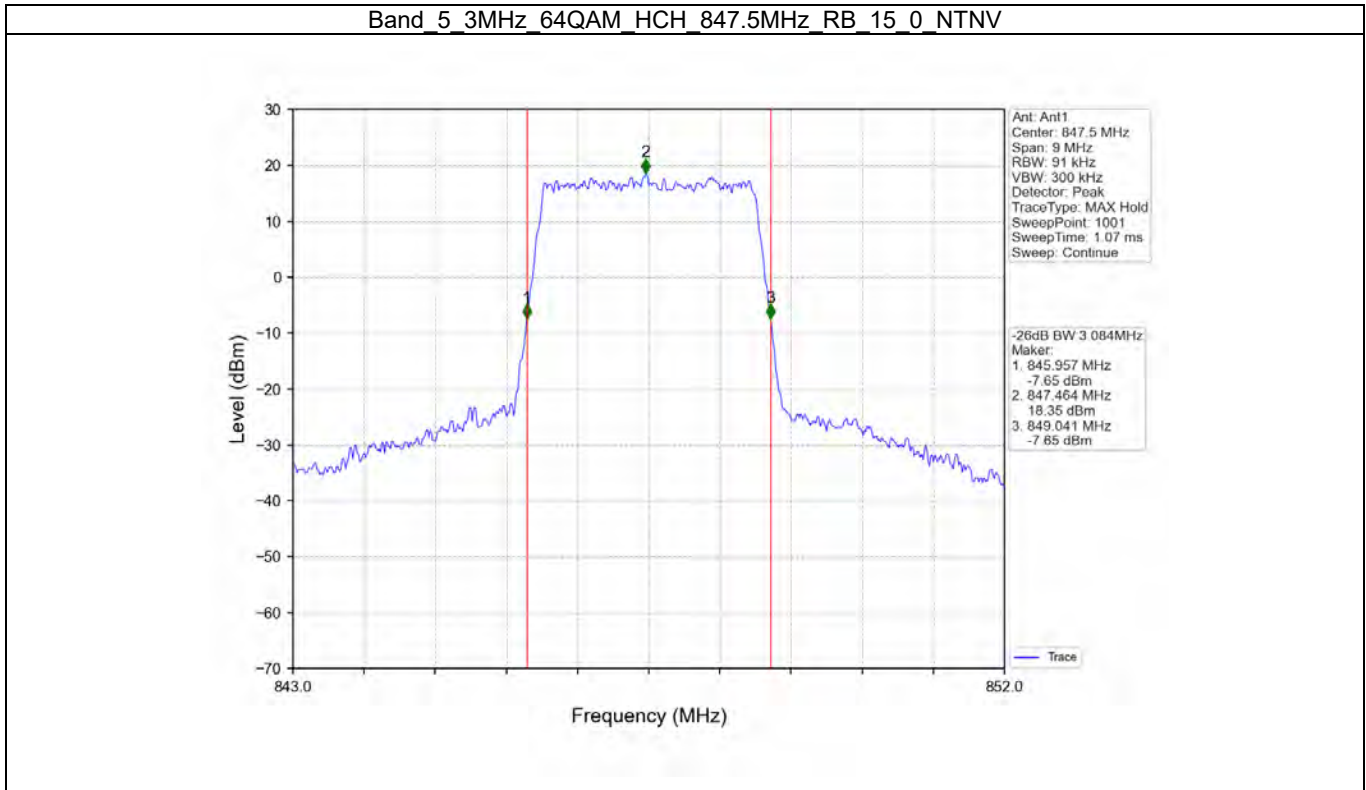
**Band 5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN**





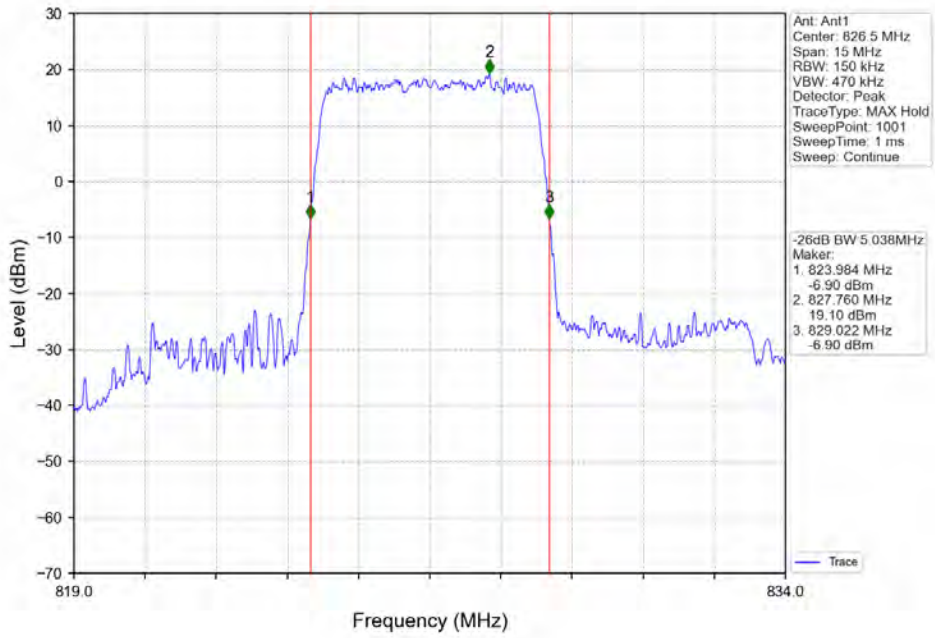




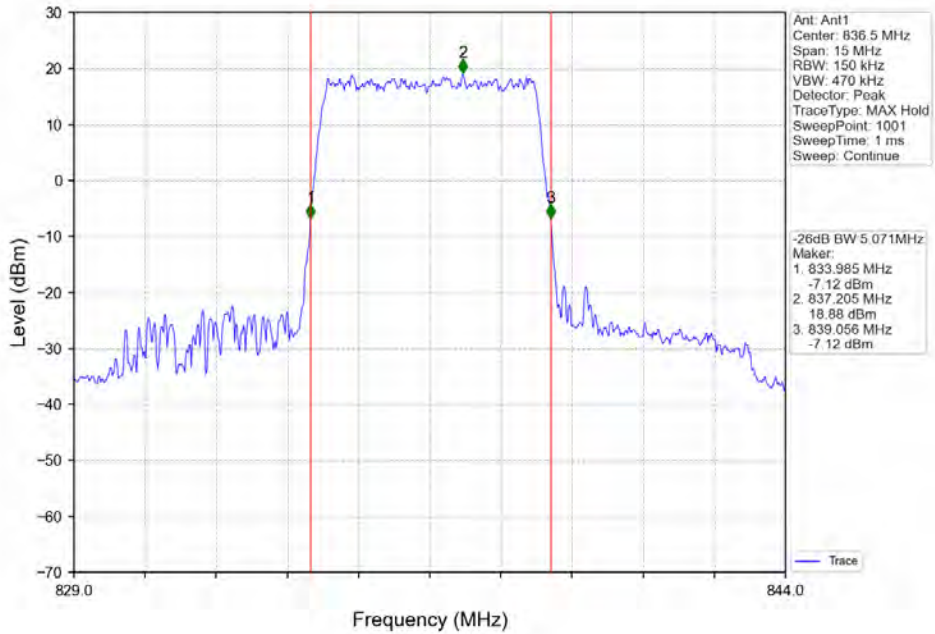


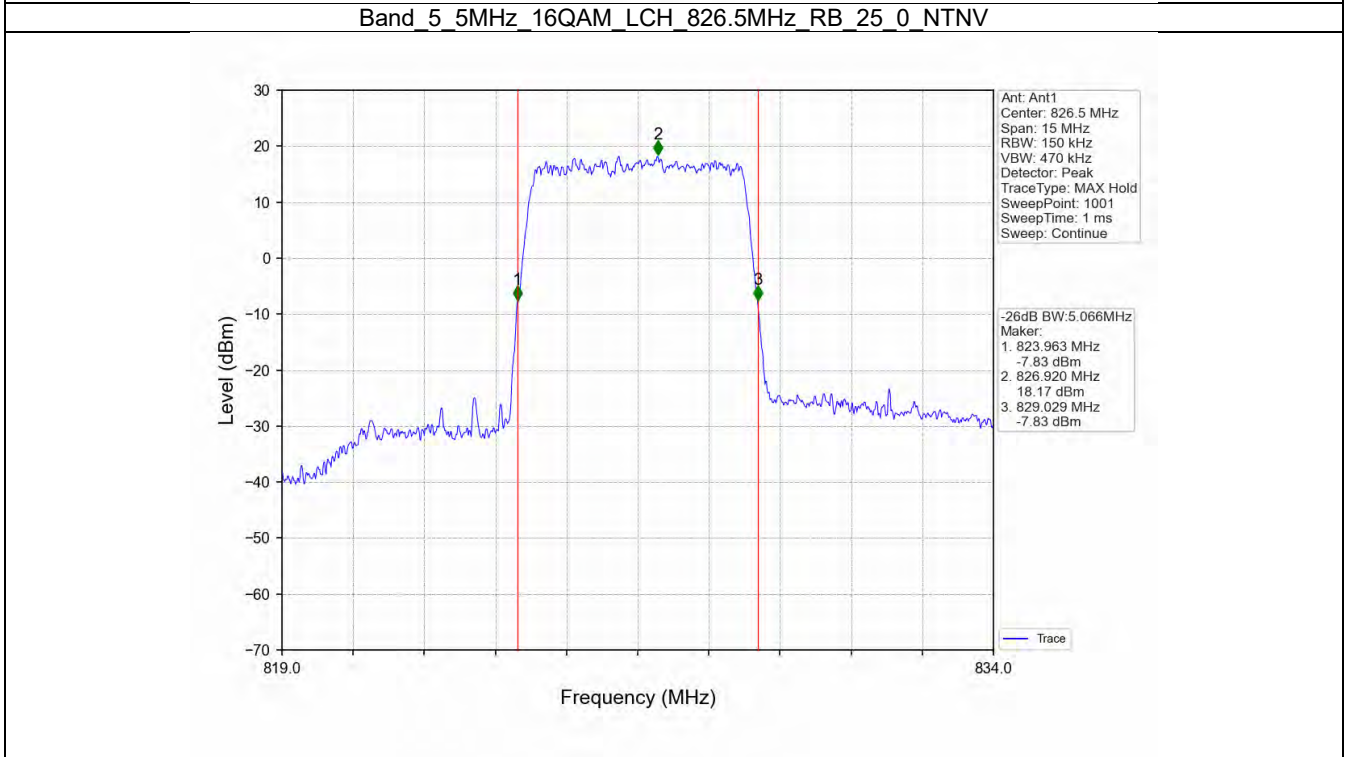
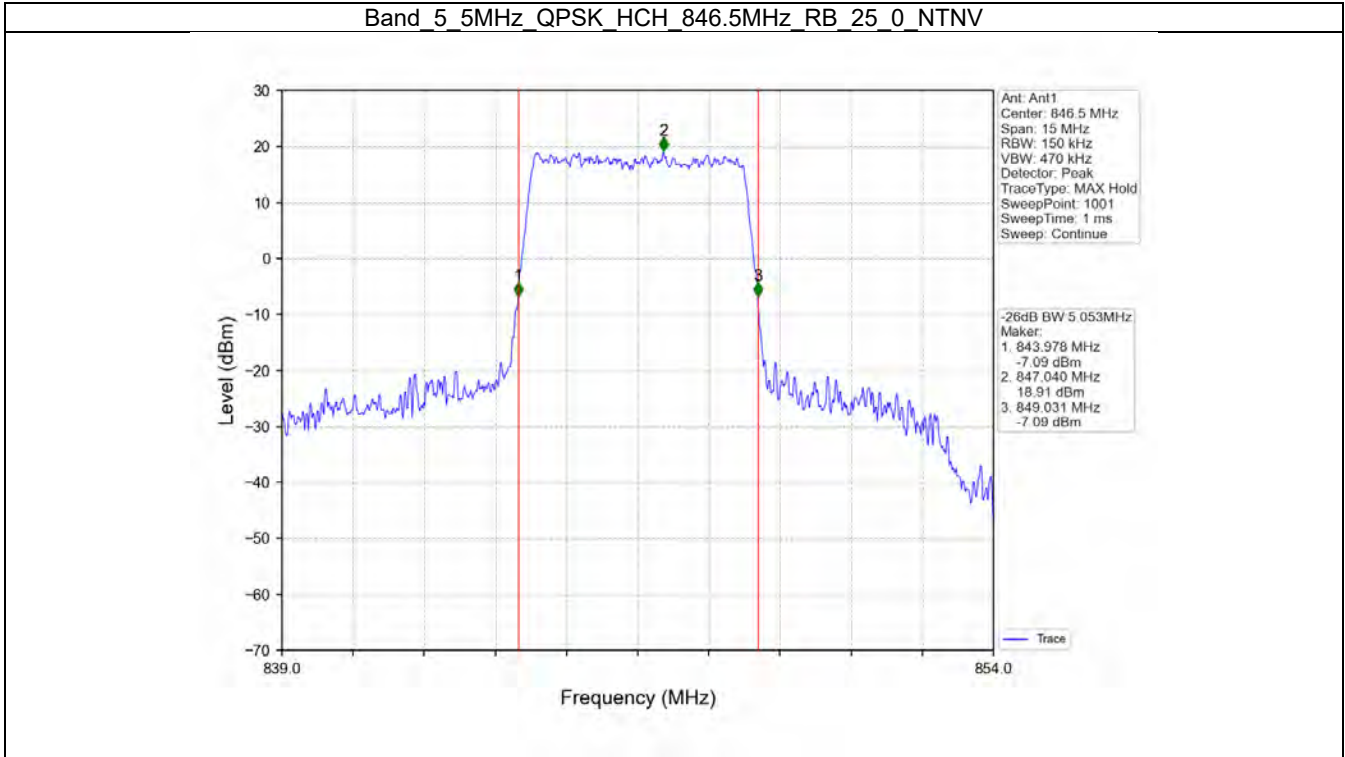


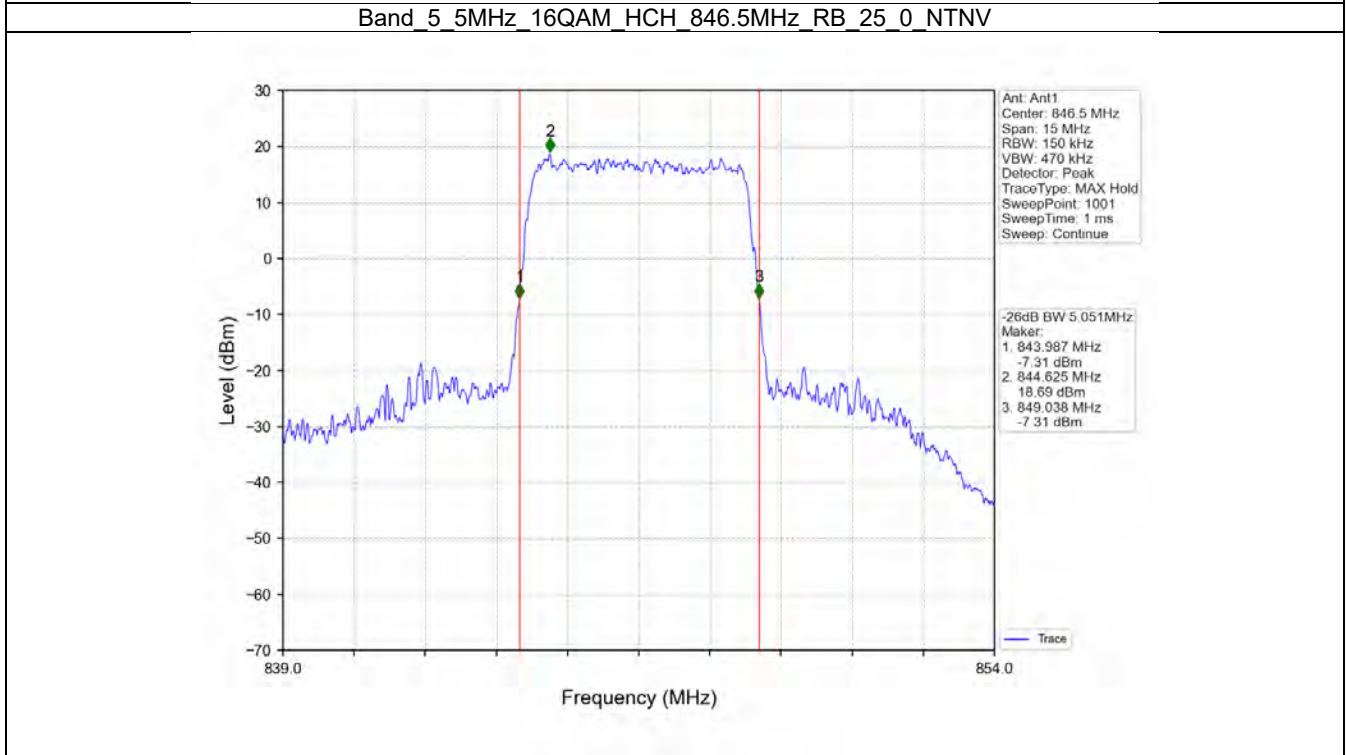
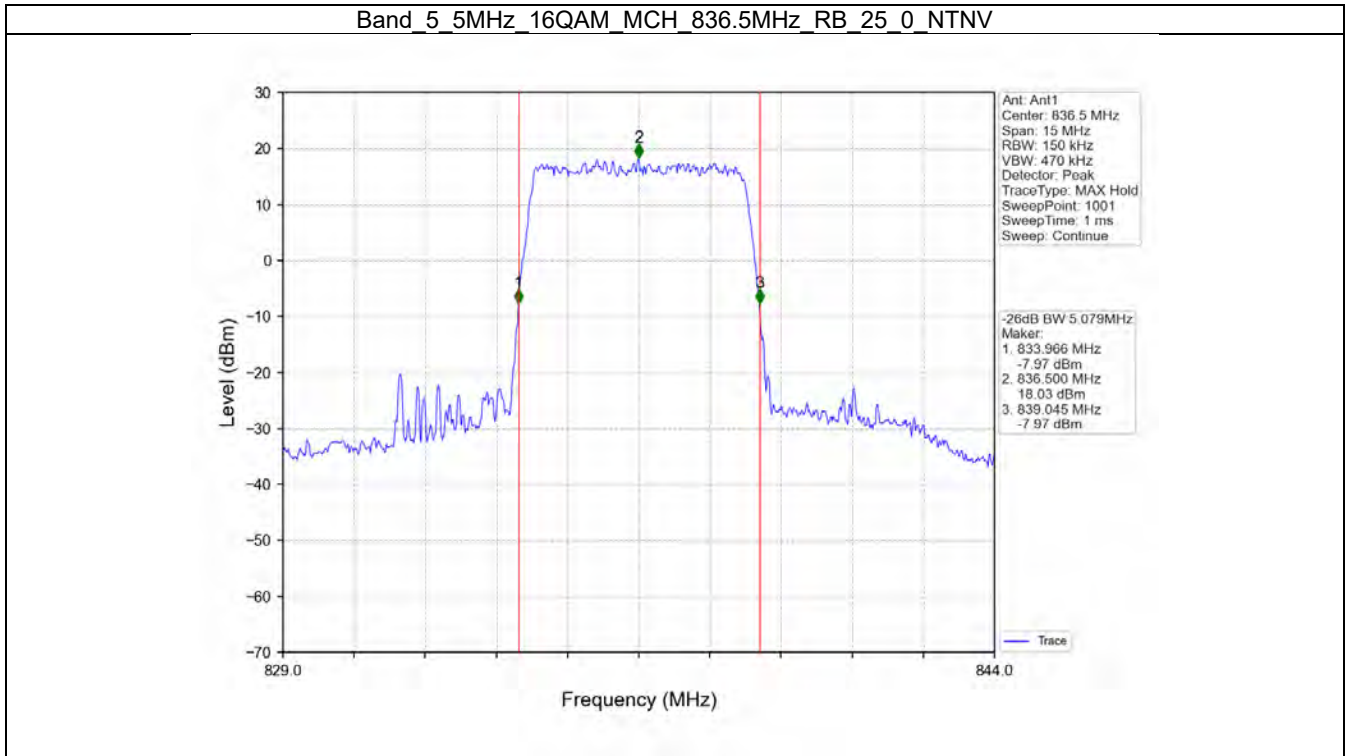
**Band 5 5MHz QPSK LCH 826.5MHz RB 25\_0 NTN**



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

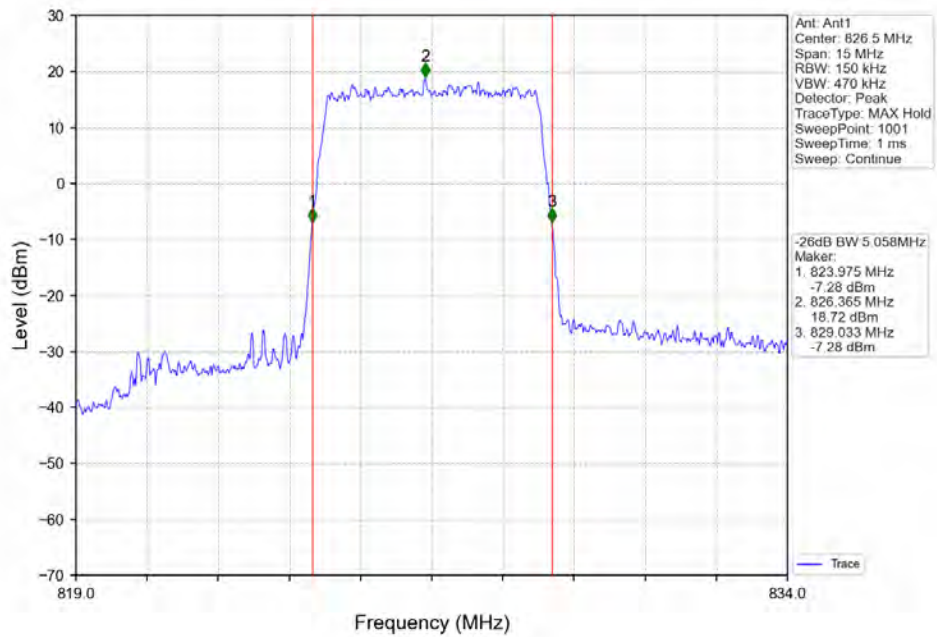




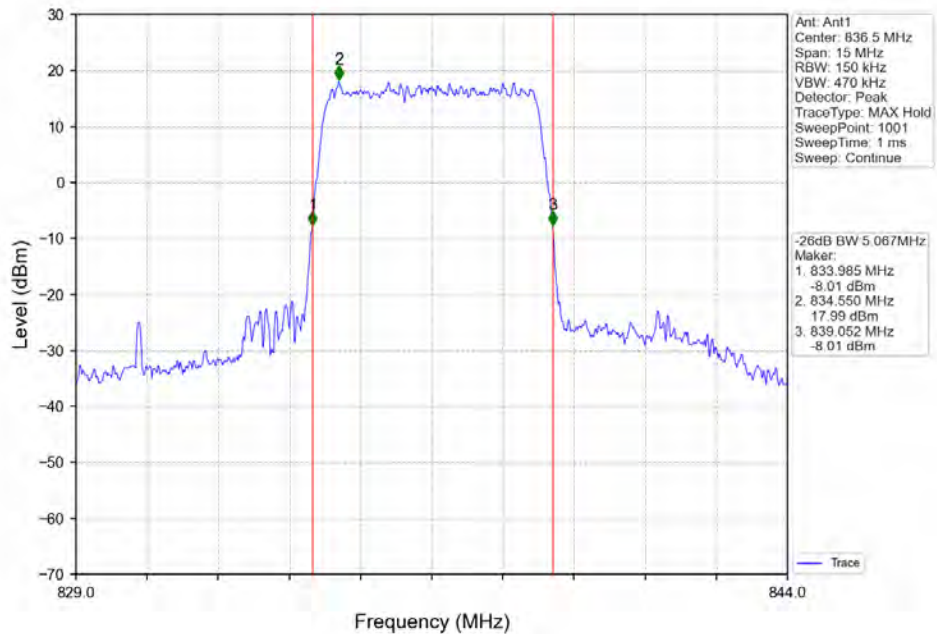




**Band 5 5MHz 64QAM LCH 826.5MHz RB 25 0 NTNV**



**Band 5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV**



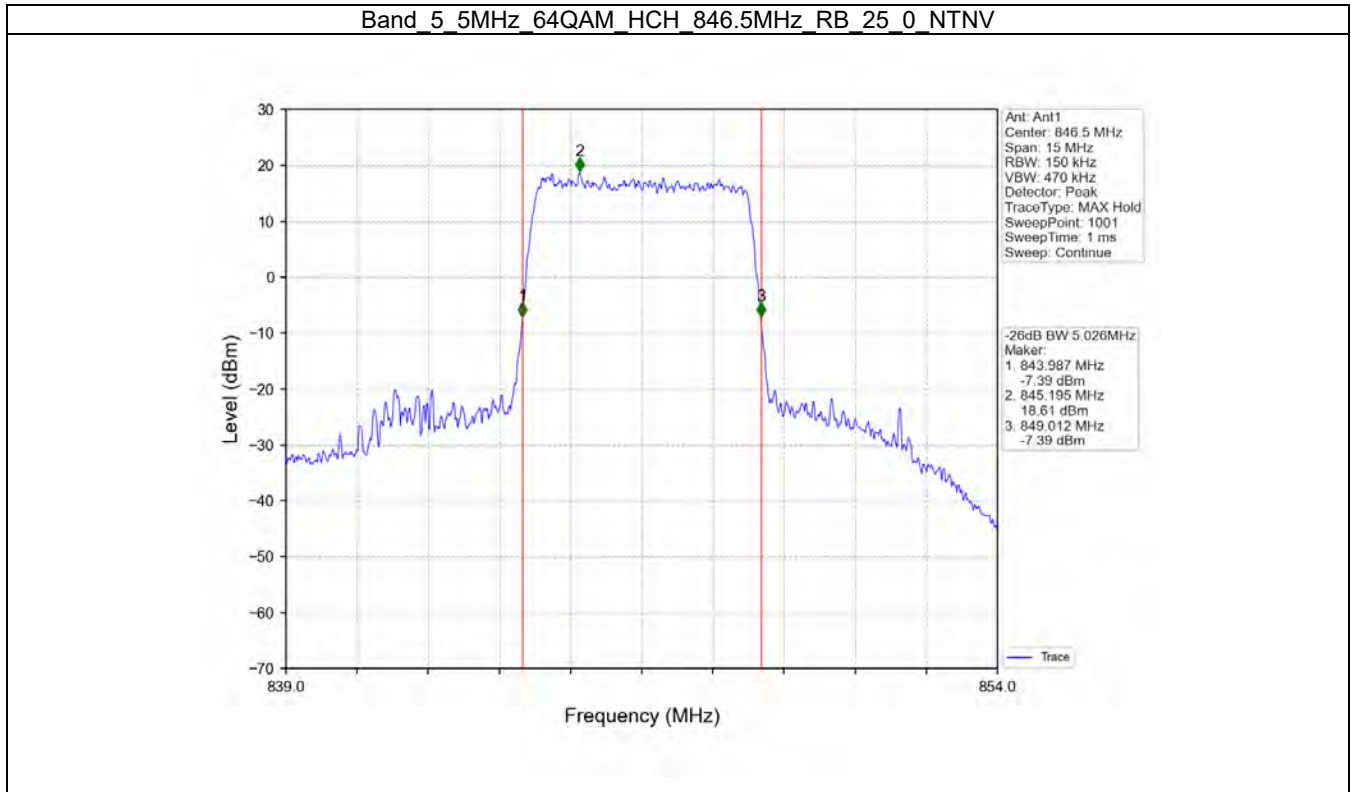
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Technology (Shenzhen) Co. Ltd

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

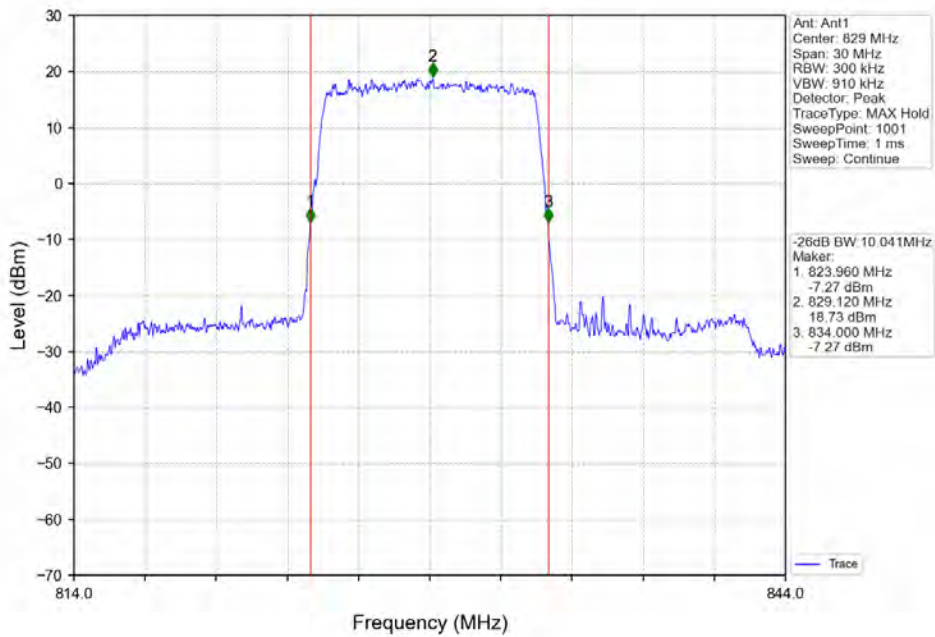
Fax: +86 755 8869 6577

Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

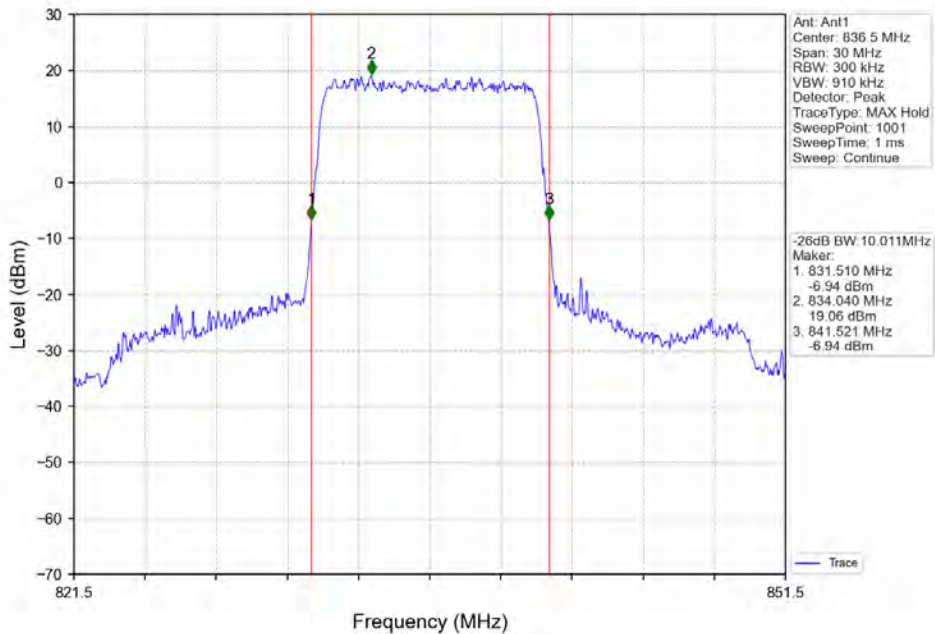




**Band\_5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV**

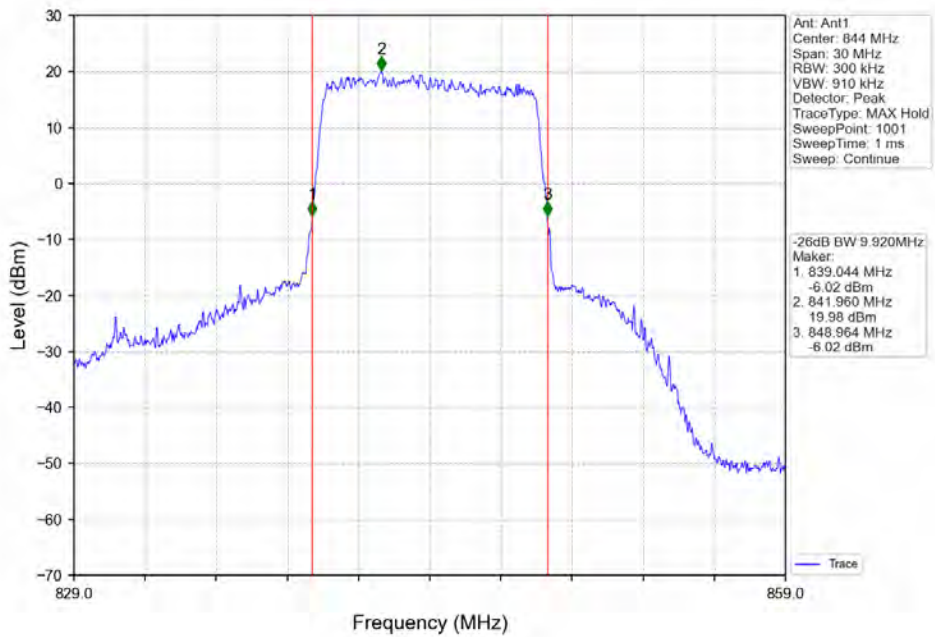


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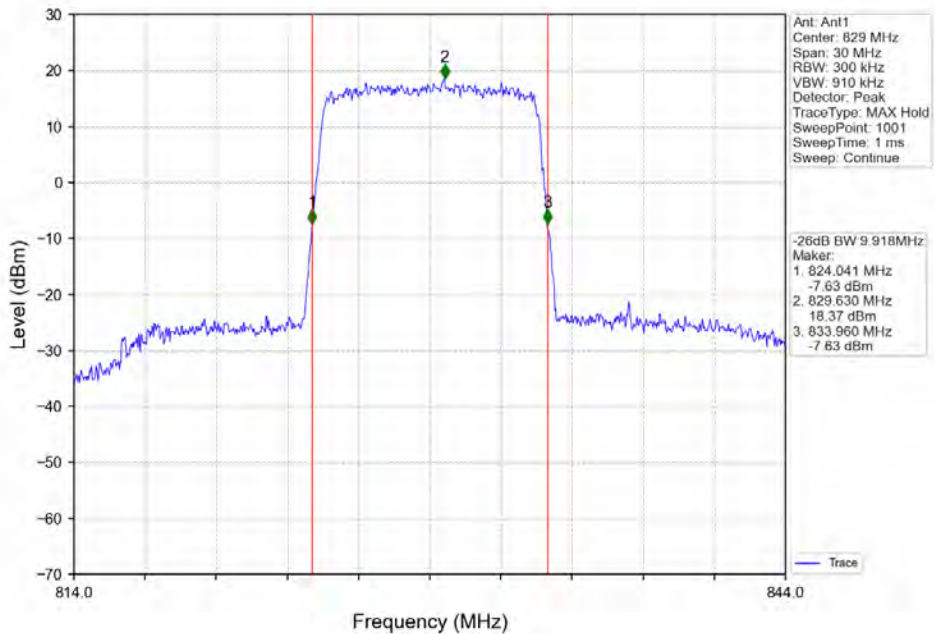




Band 5 10MHz QPSK HCH 844MHz RB 50 0 NTVN



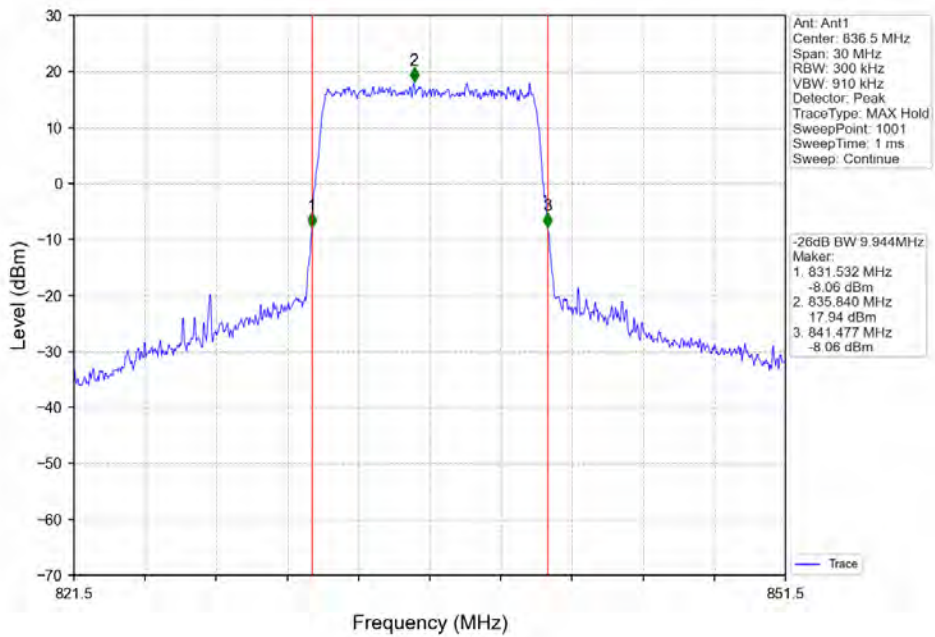
Band 5 10MHz 16QAM LCH 829MHz RB 50 0 NTVN



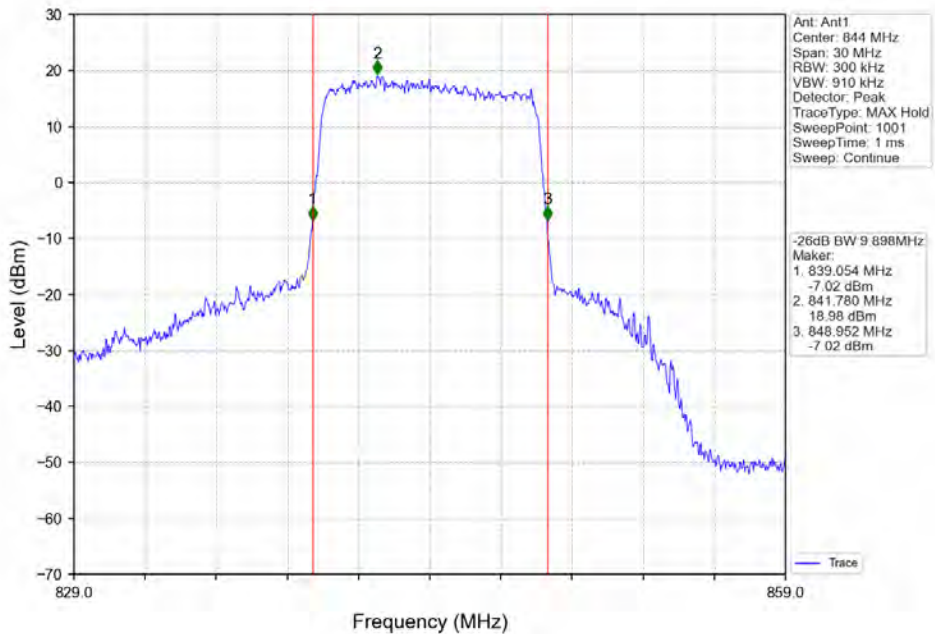




**Band 5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV**



**Band 5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV**



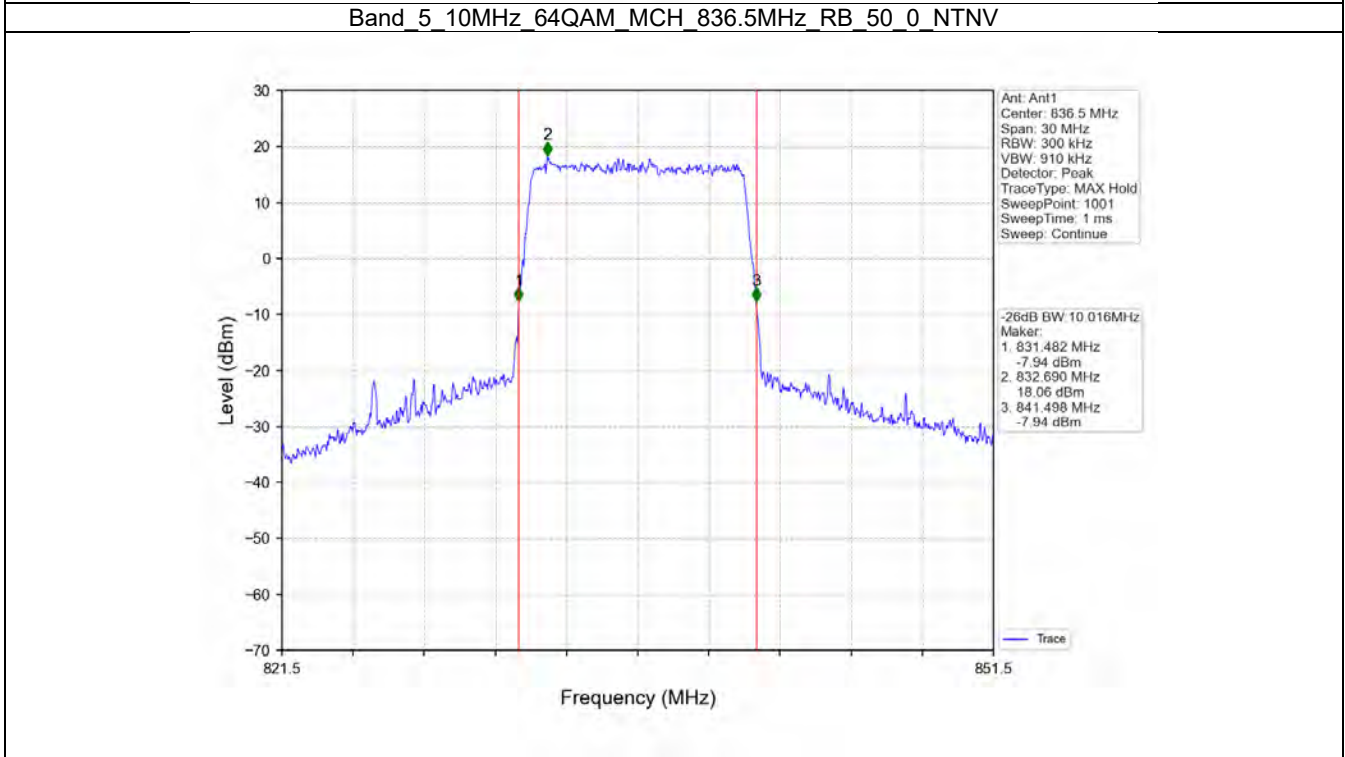
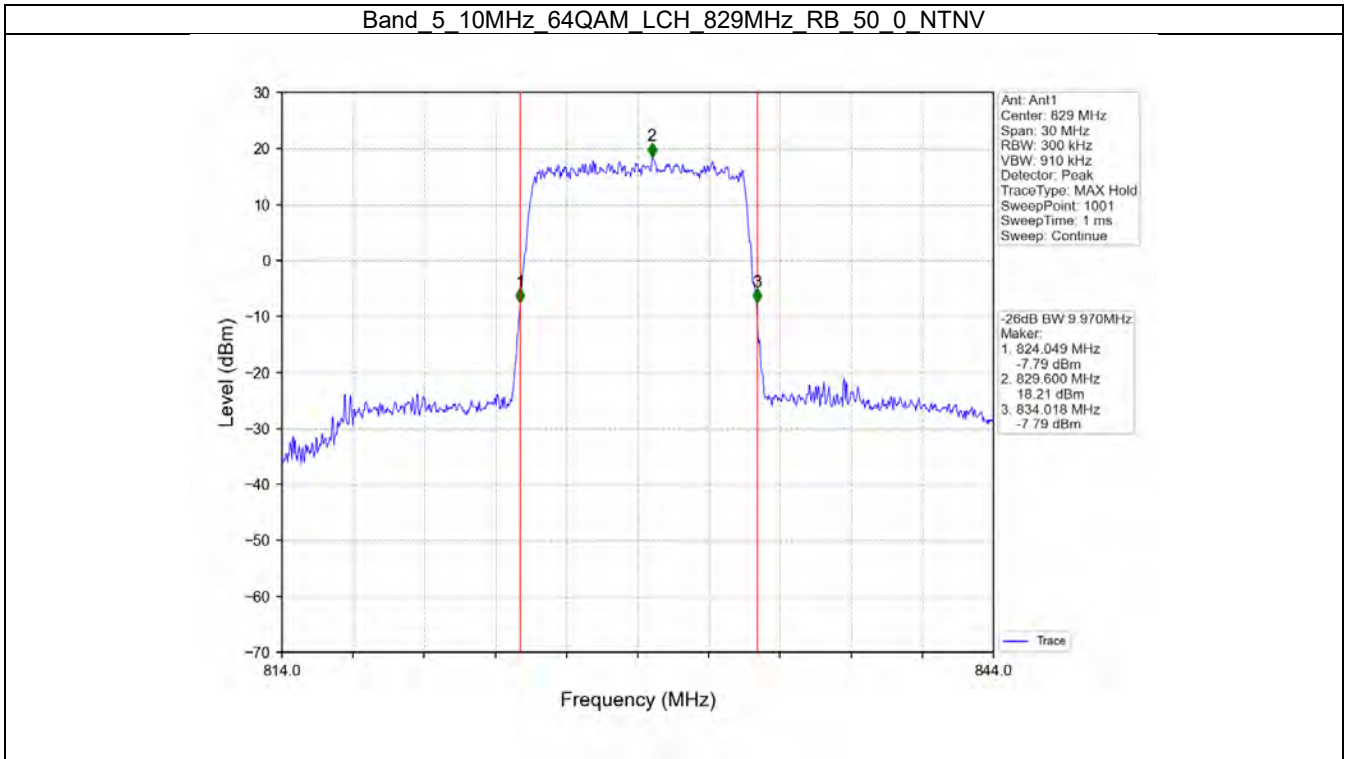
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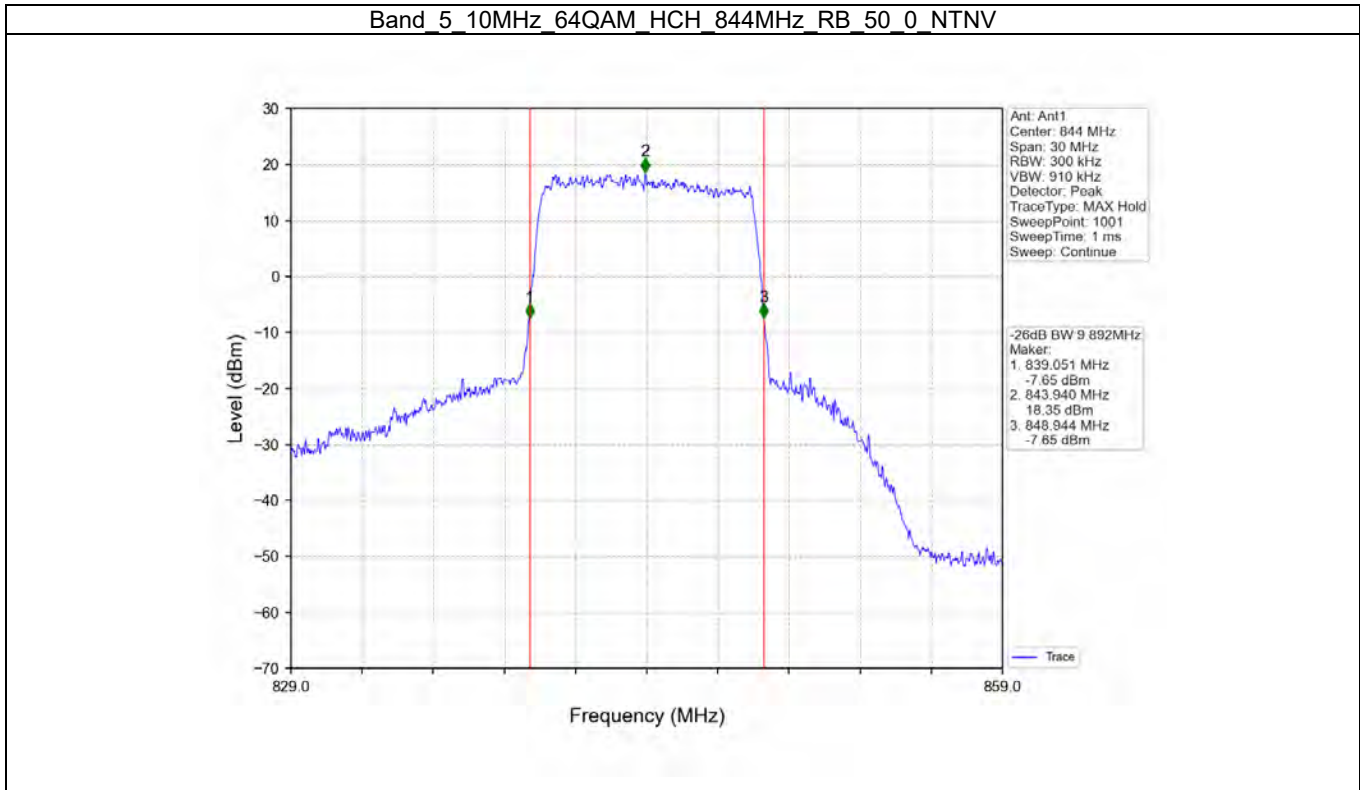
No.B102, Dazu Chuangxin Mansion, North of Beihuan  
Avenue, North Area, Hi-Tech Industrial Park, Nanshan  
District, Shenzhen, Guangdong, China

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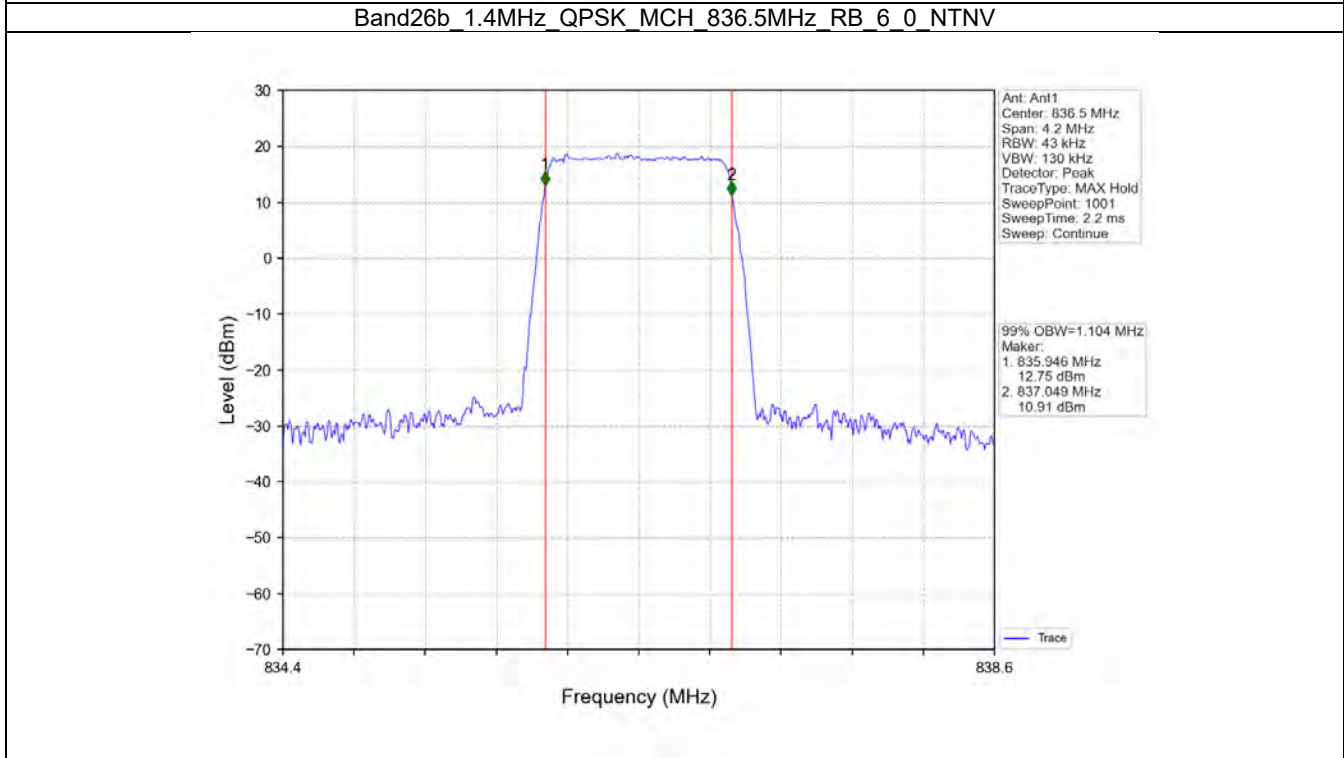
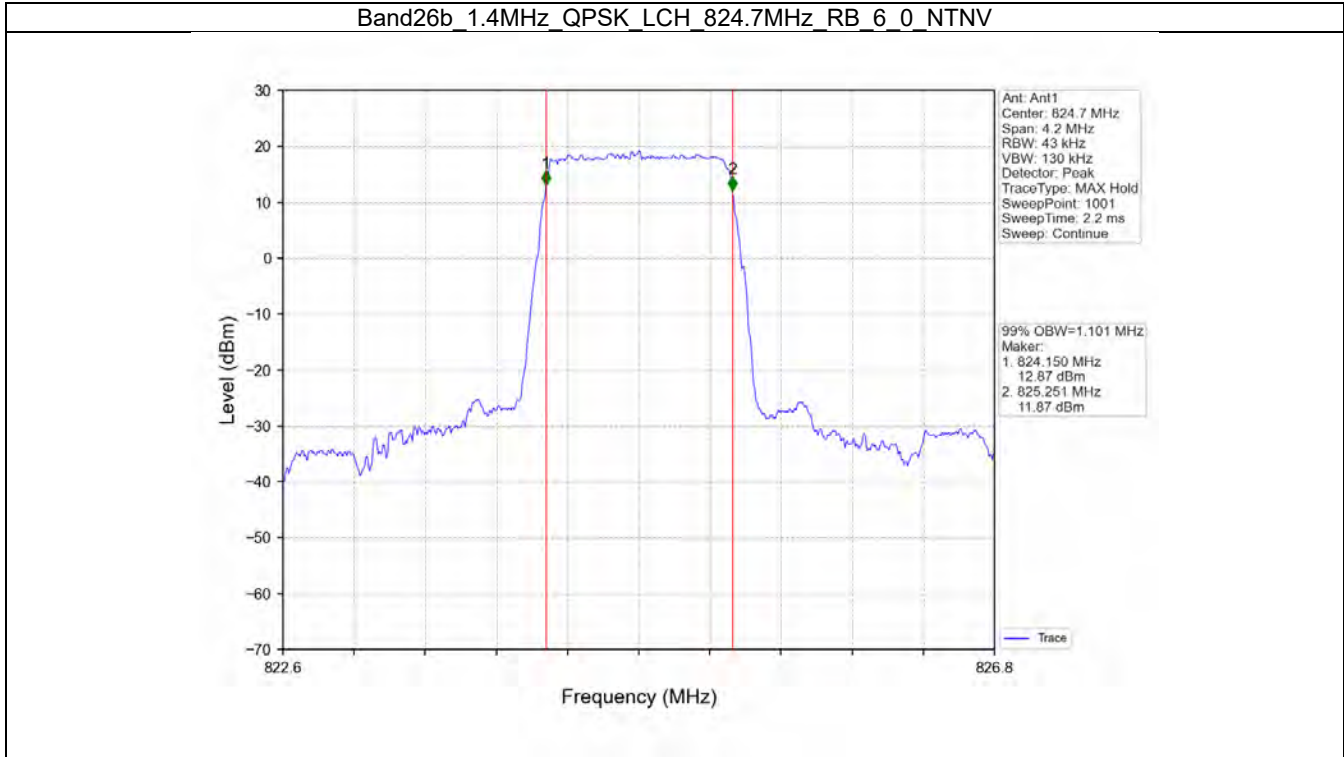
## 2.7 Band26b\_OBW

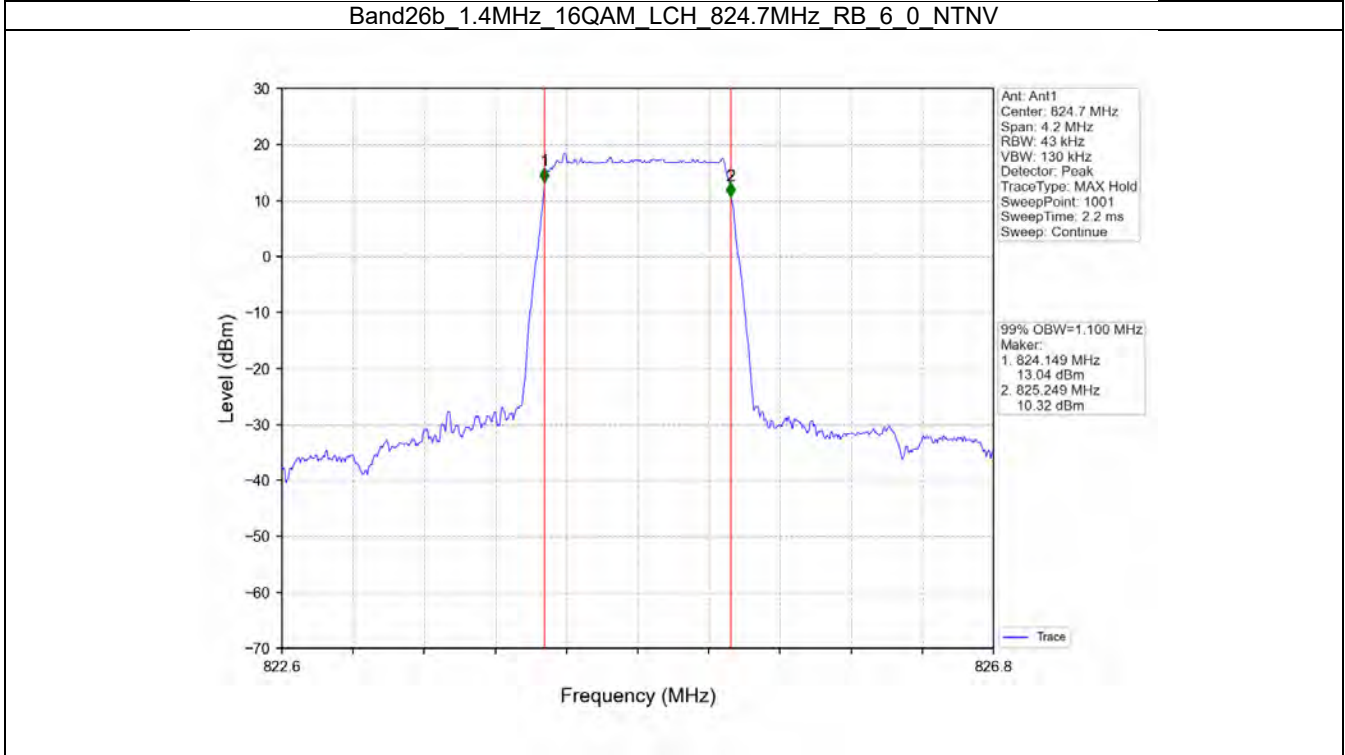
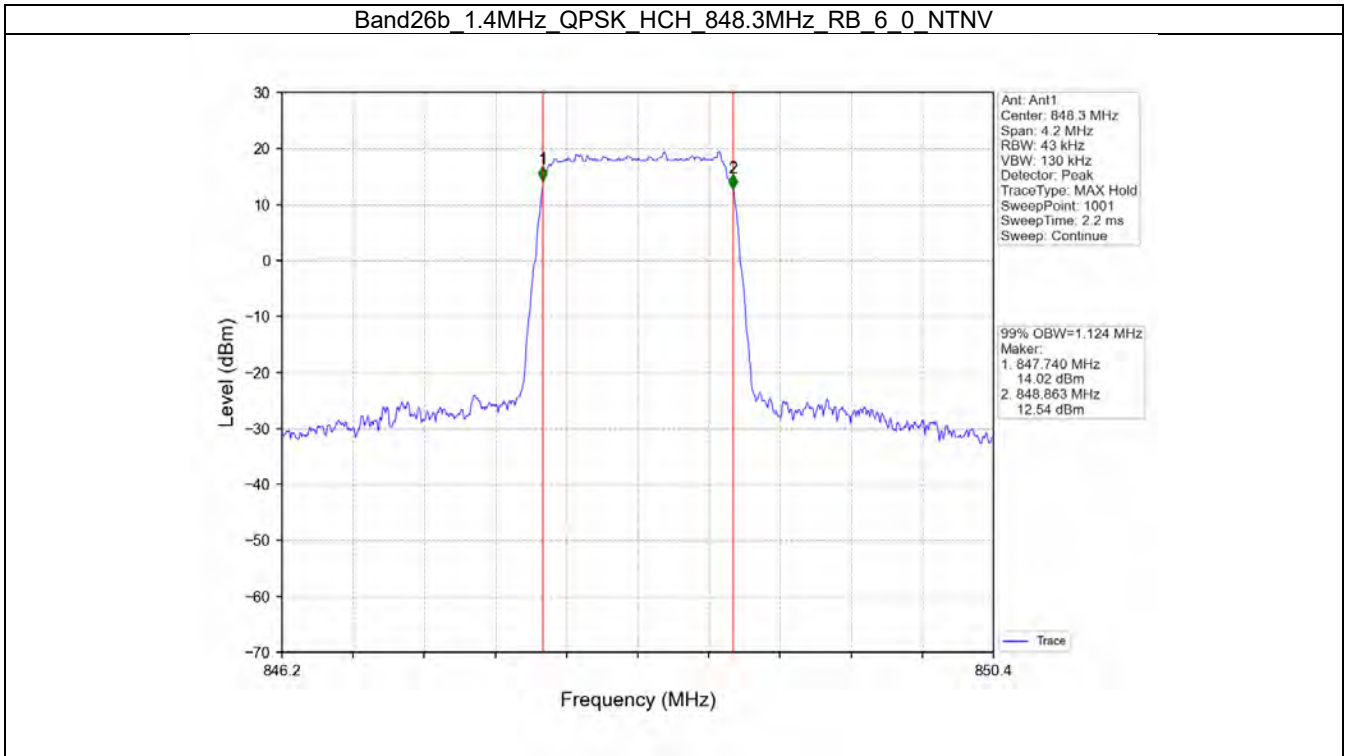
### 2.7.1 Test Result

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



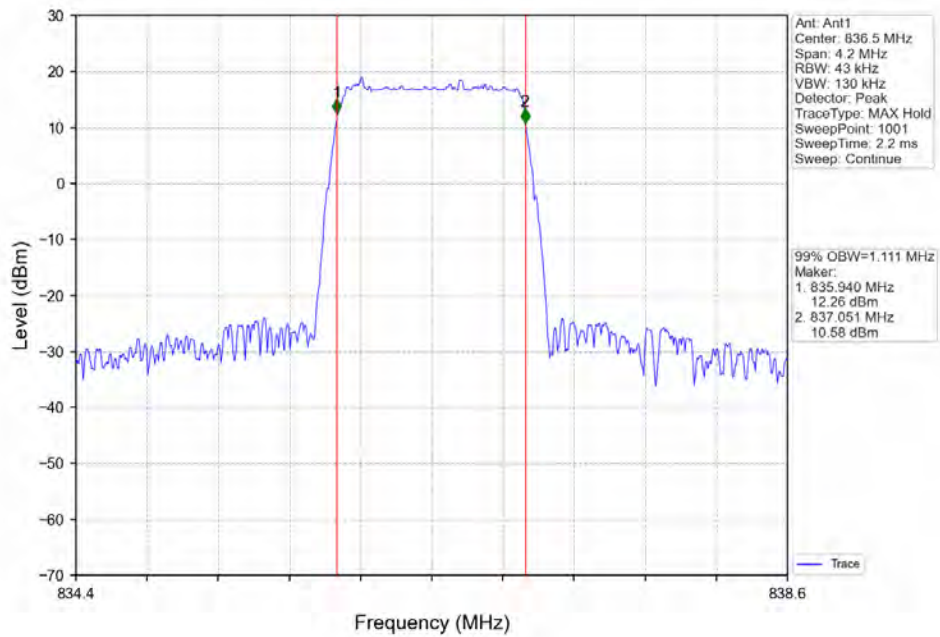
### 2.7.2 Test Graph



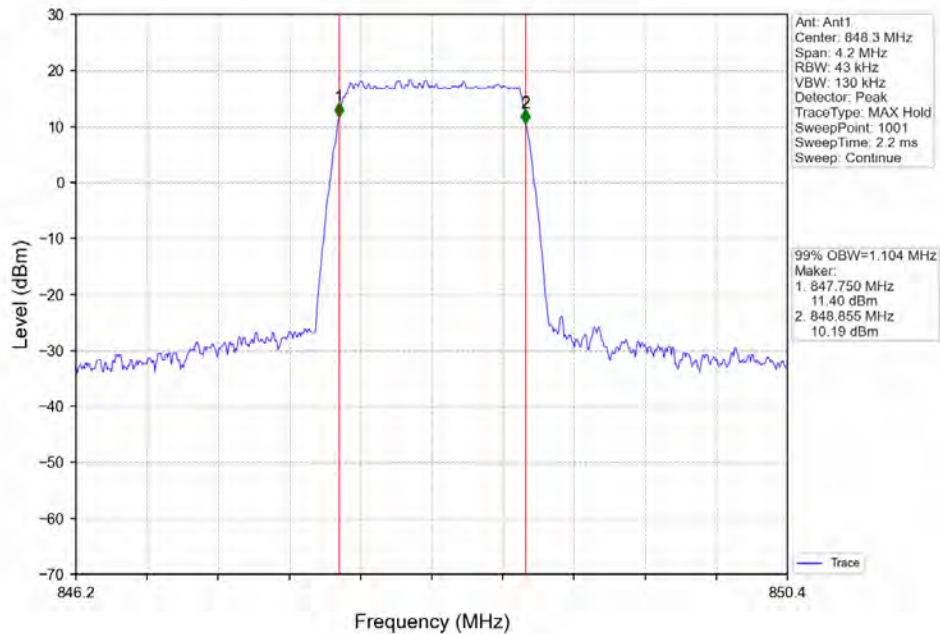


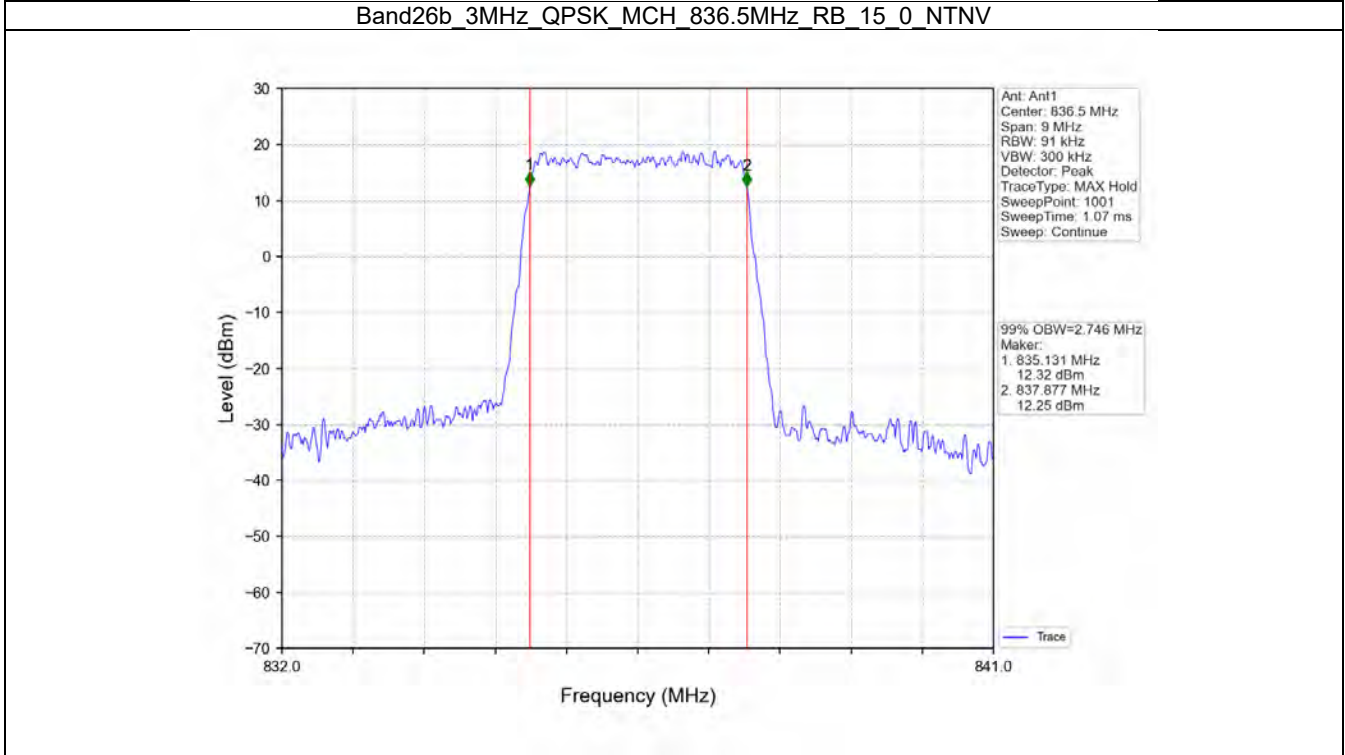
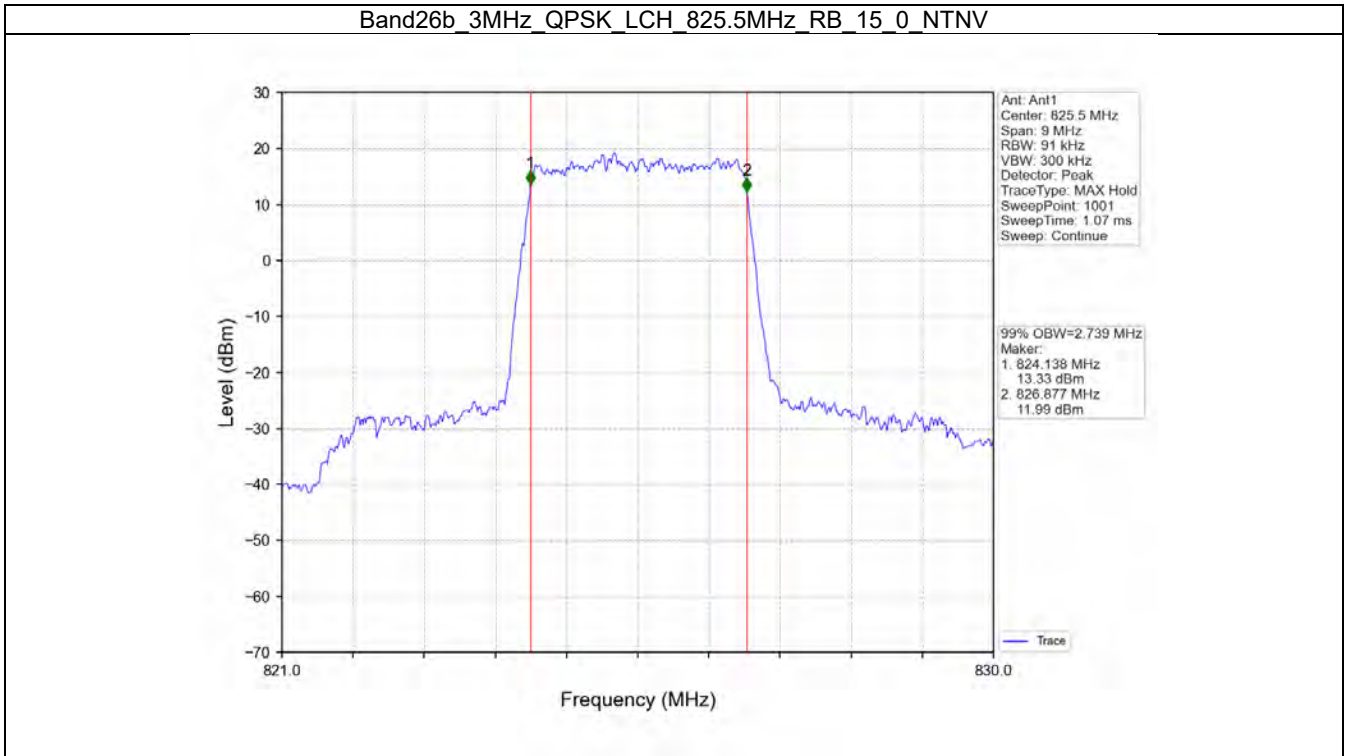


Band26b\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV

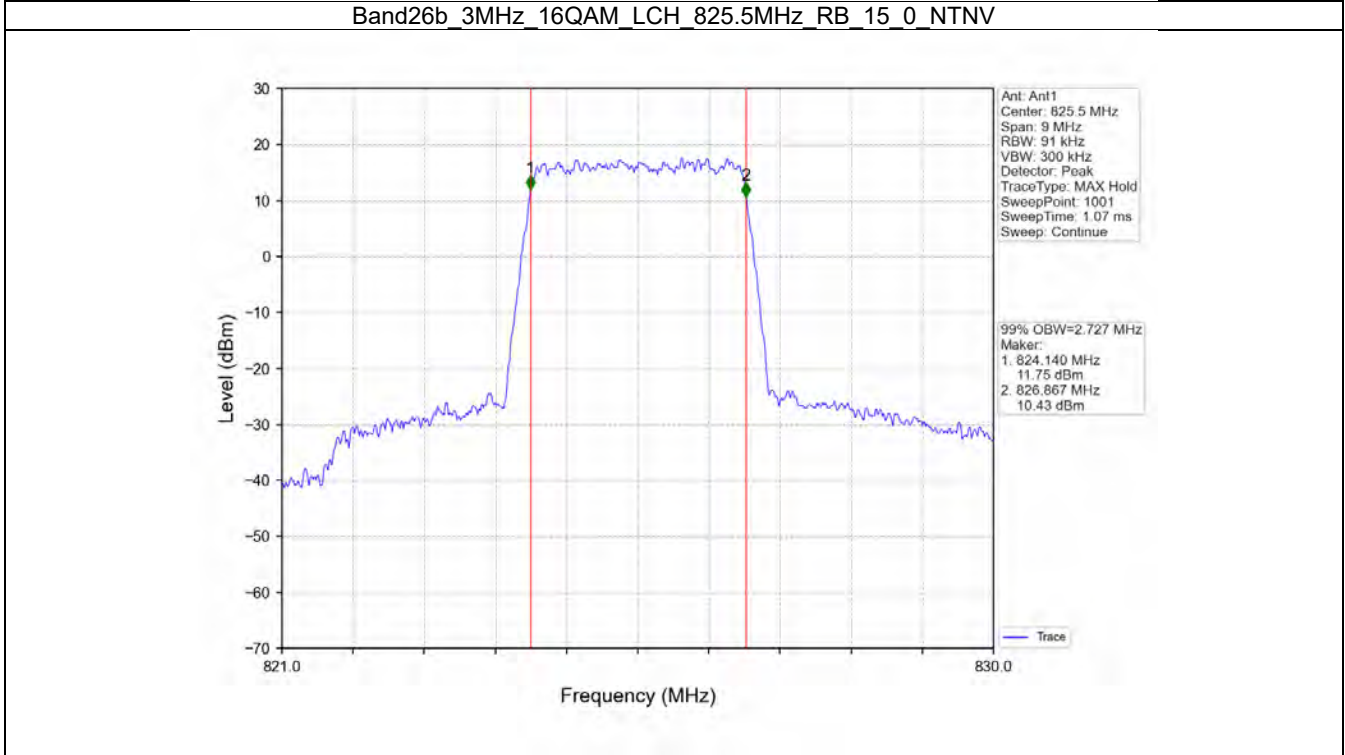
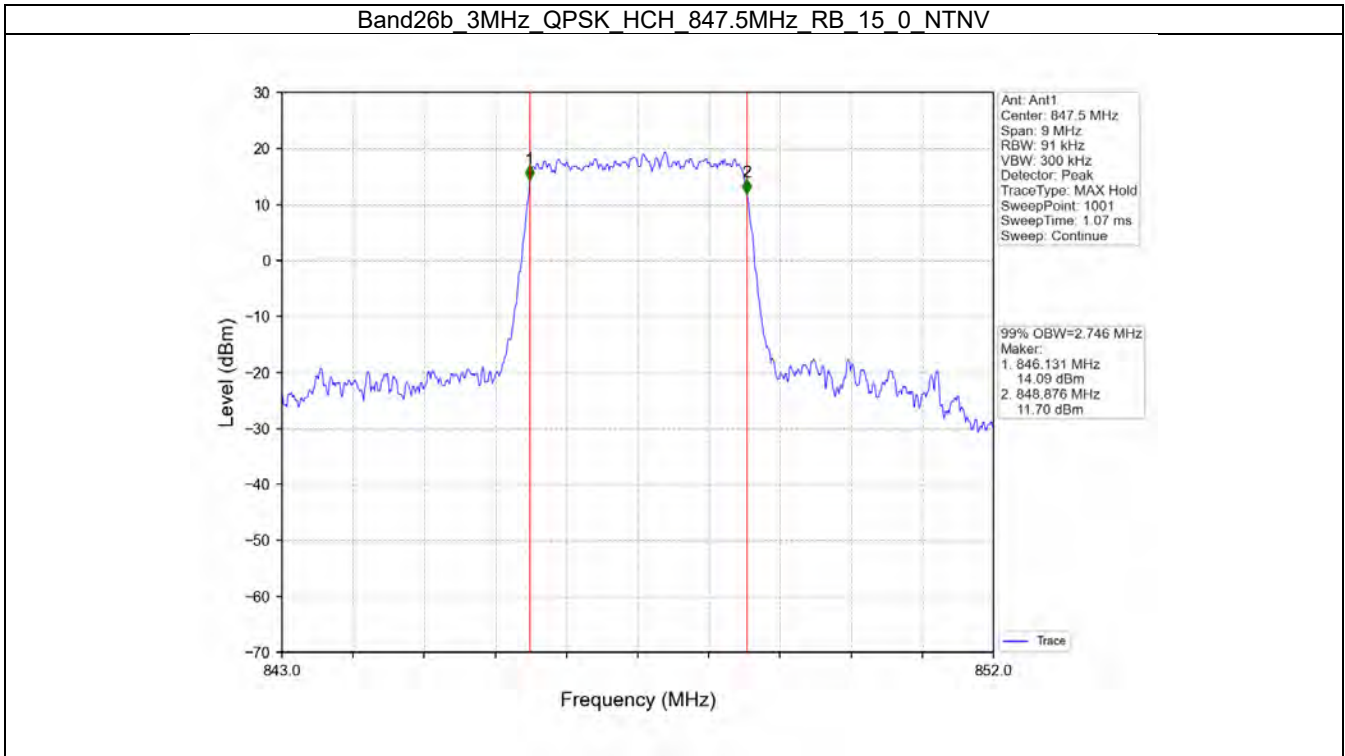


Band26b\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



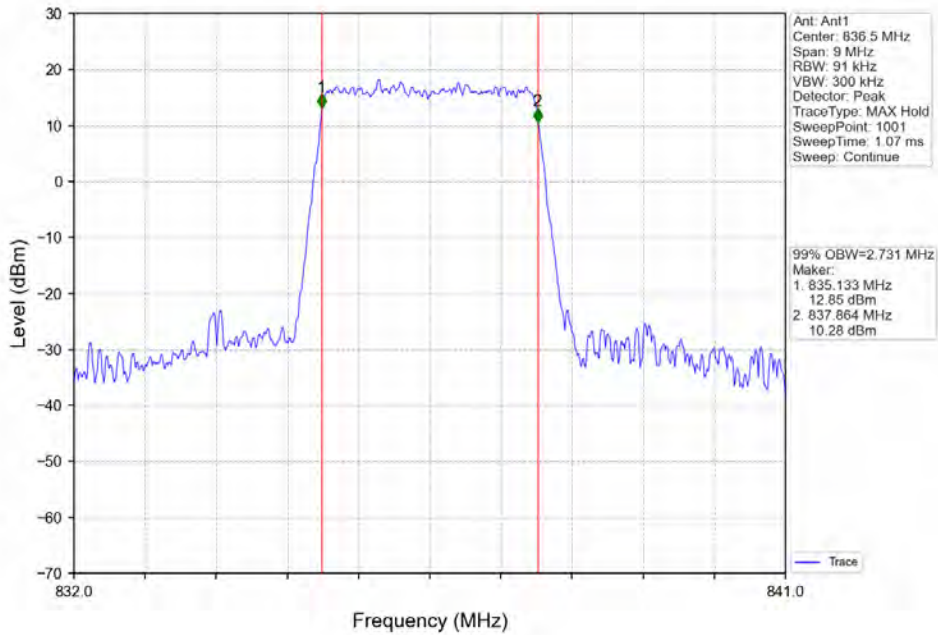




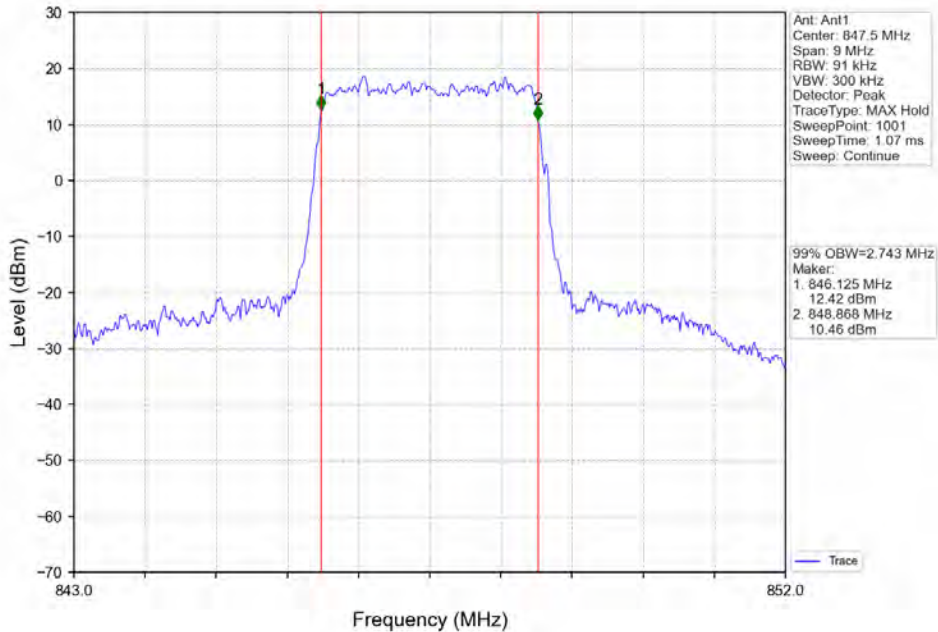


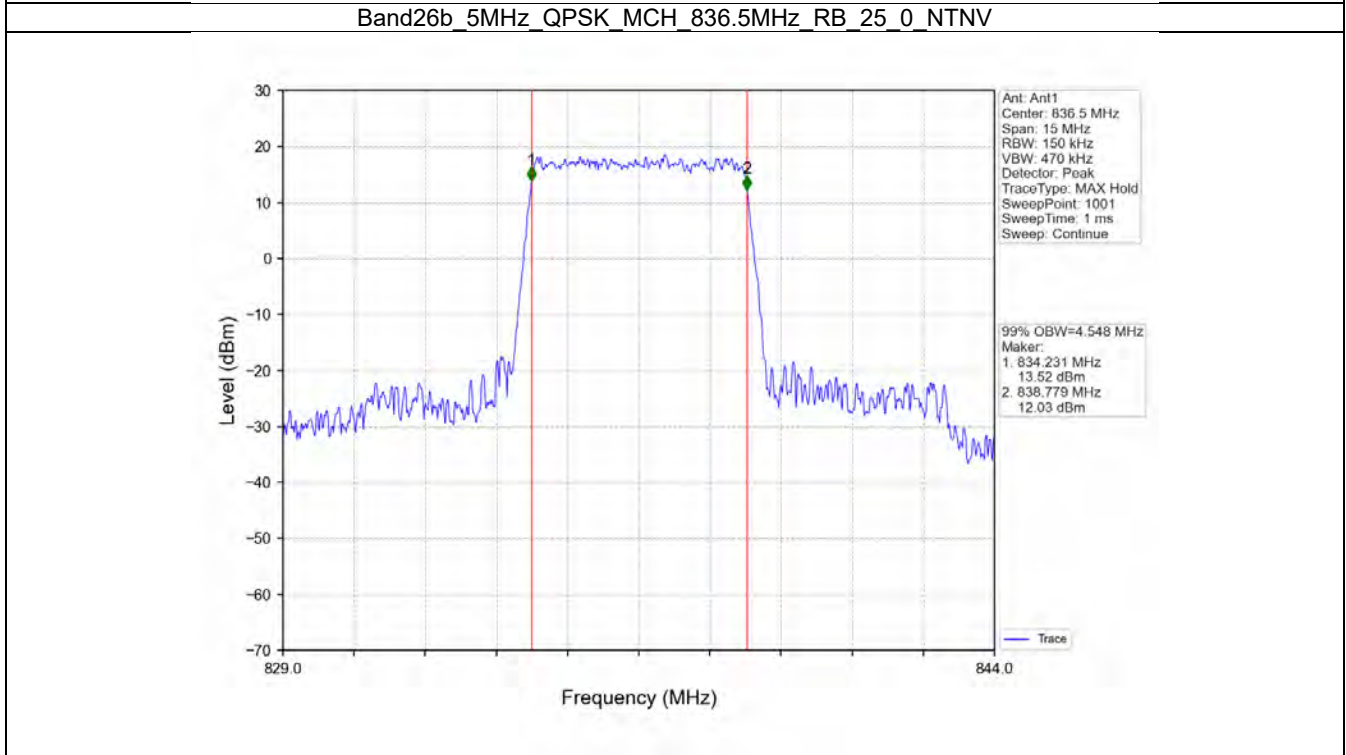
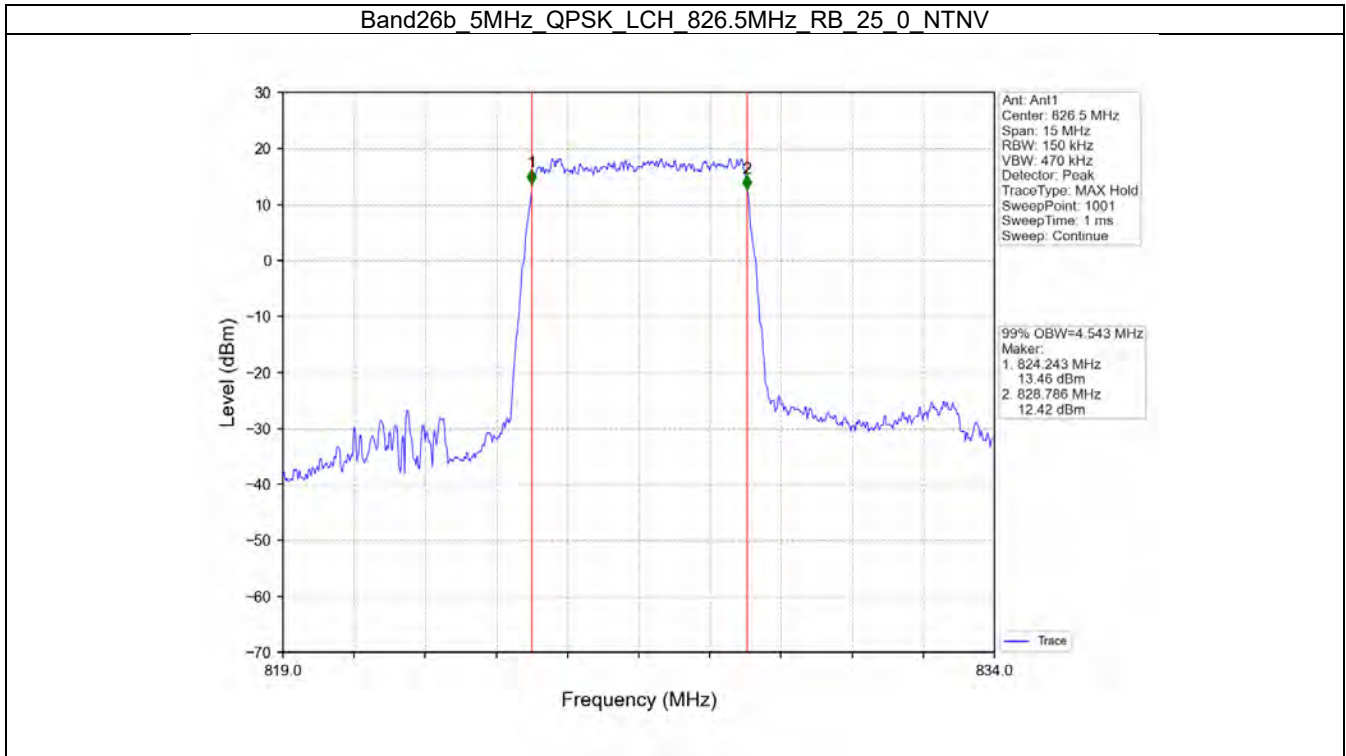


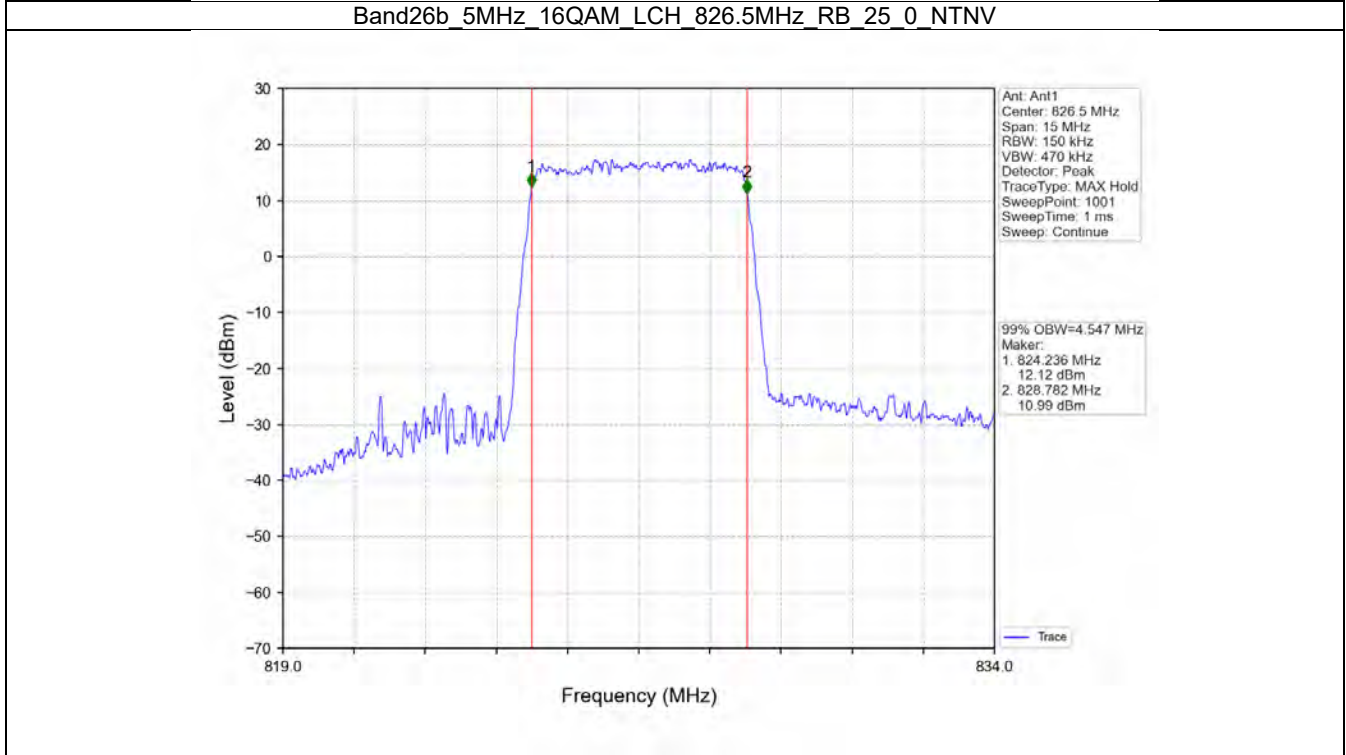
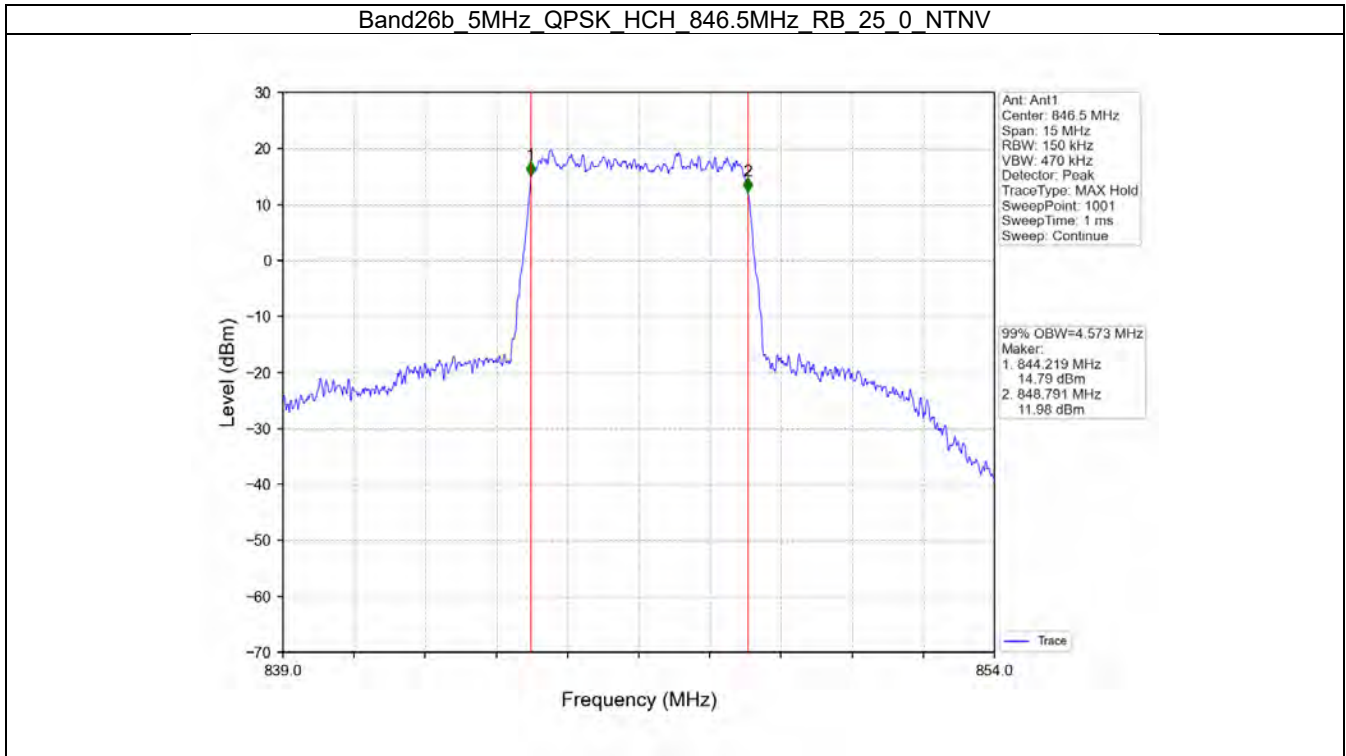
**Band26b 3MHz 16QAM MCH 836.5MHz RB 15\_0 NTN**

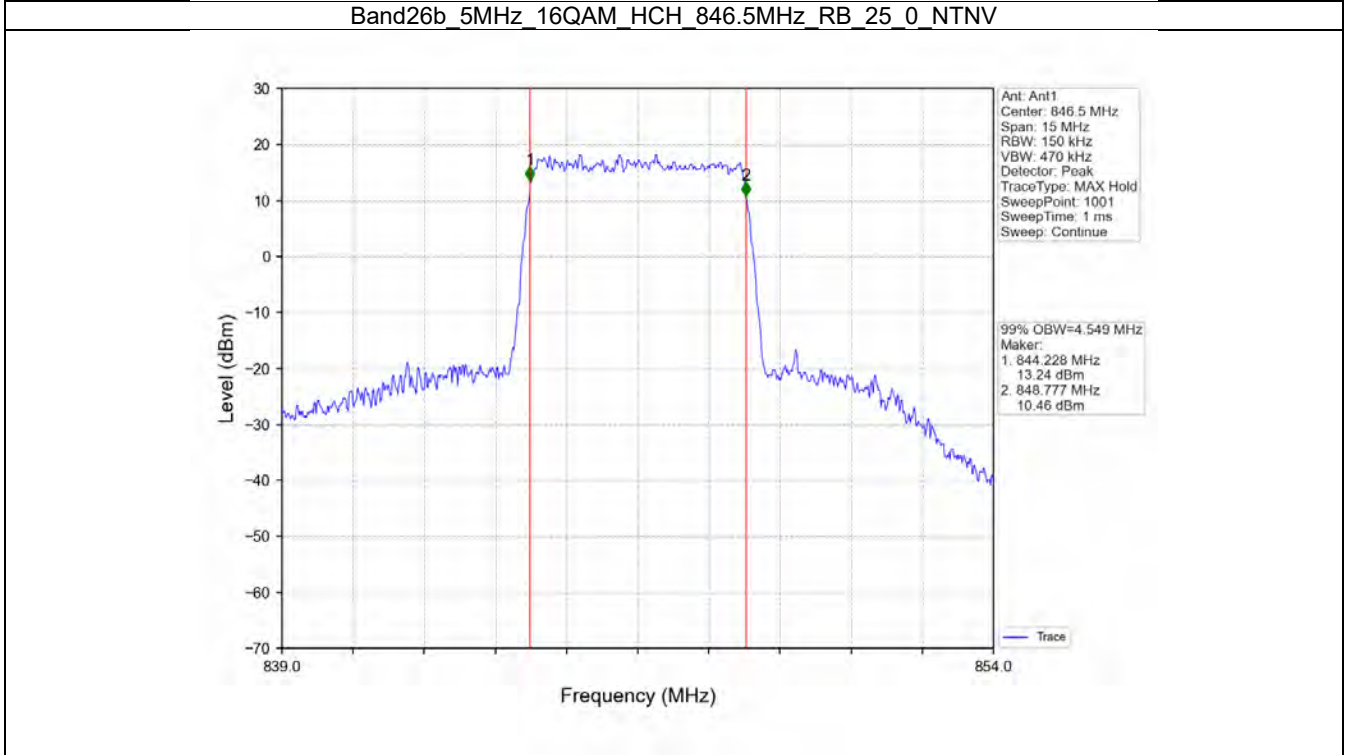
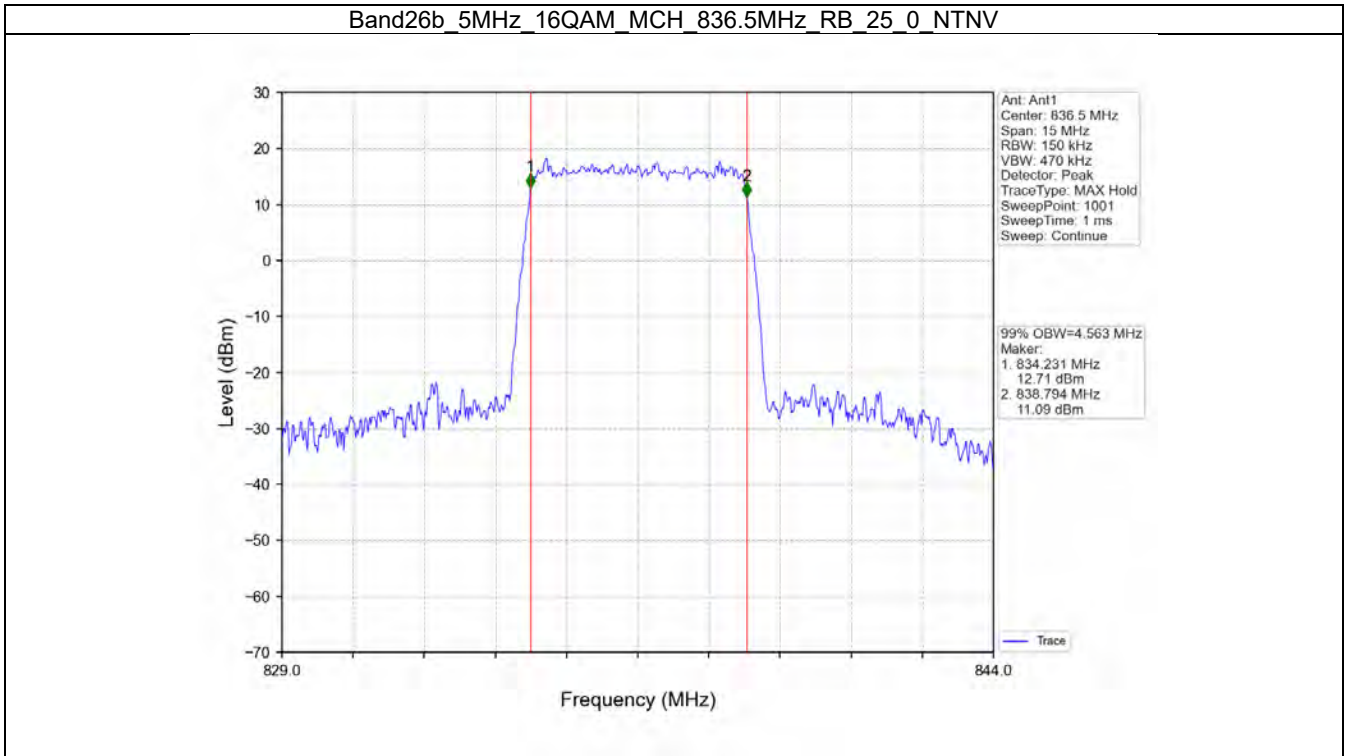


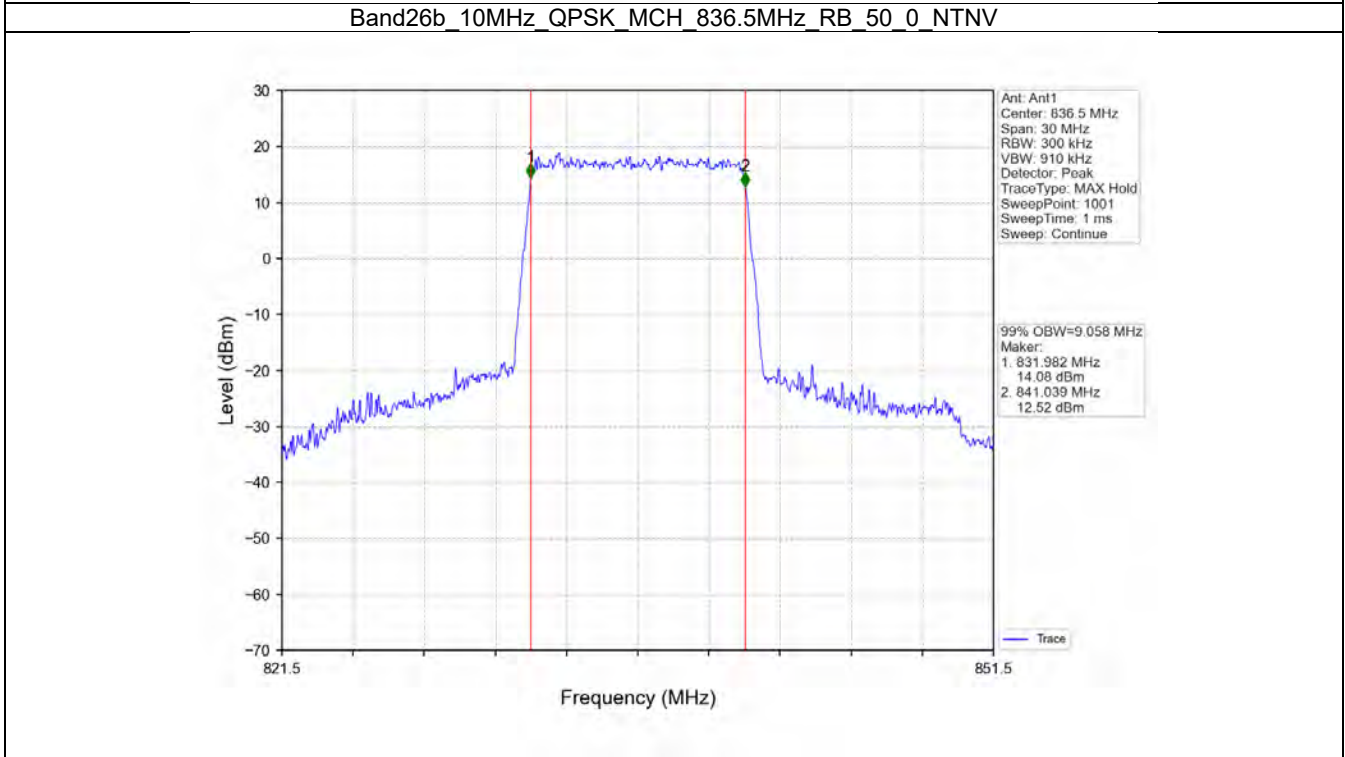
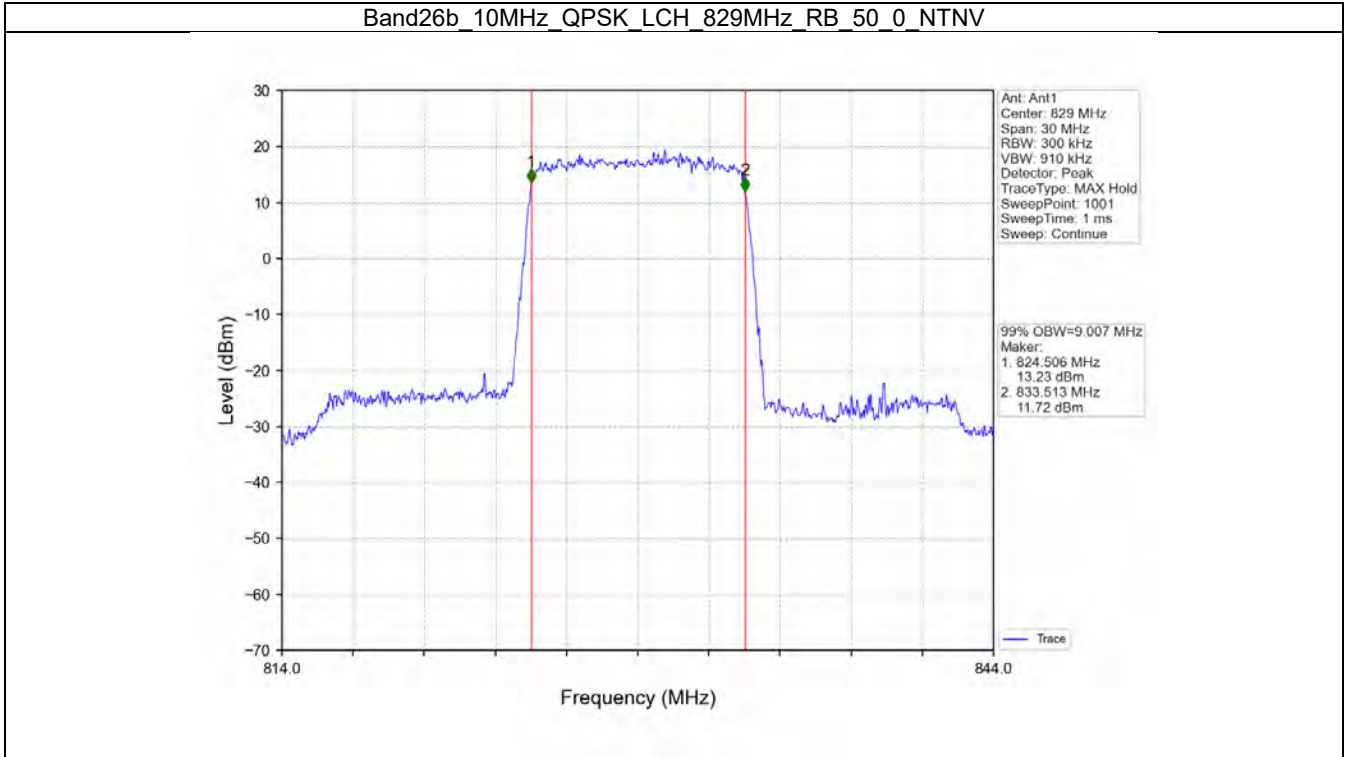
**Band26b 3MHz 16QAM HCH 847.5MHz RB 15\_0 NTN**

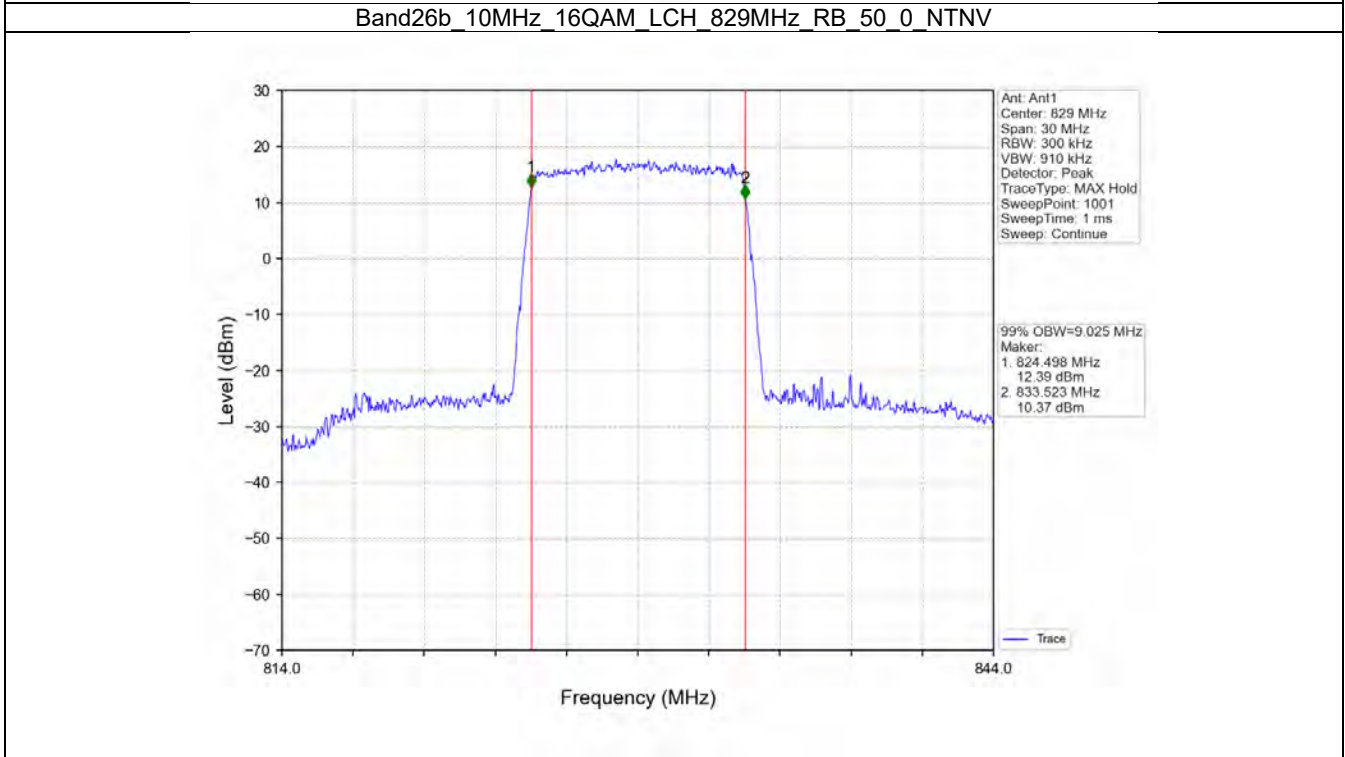
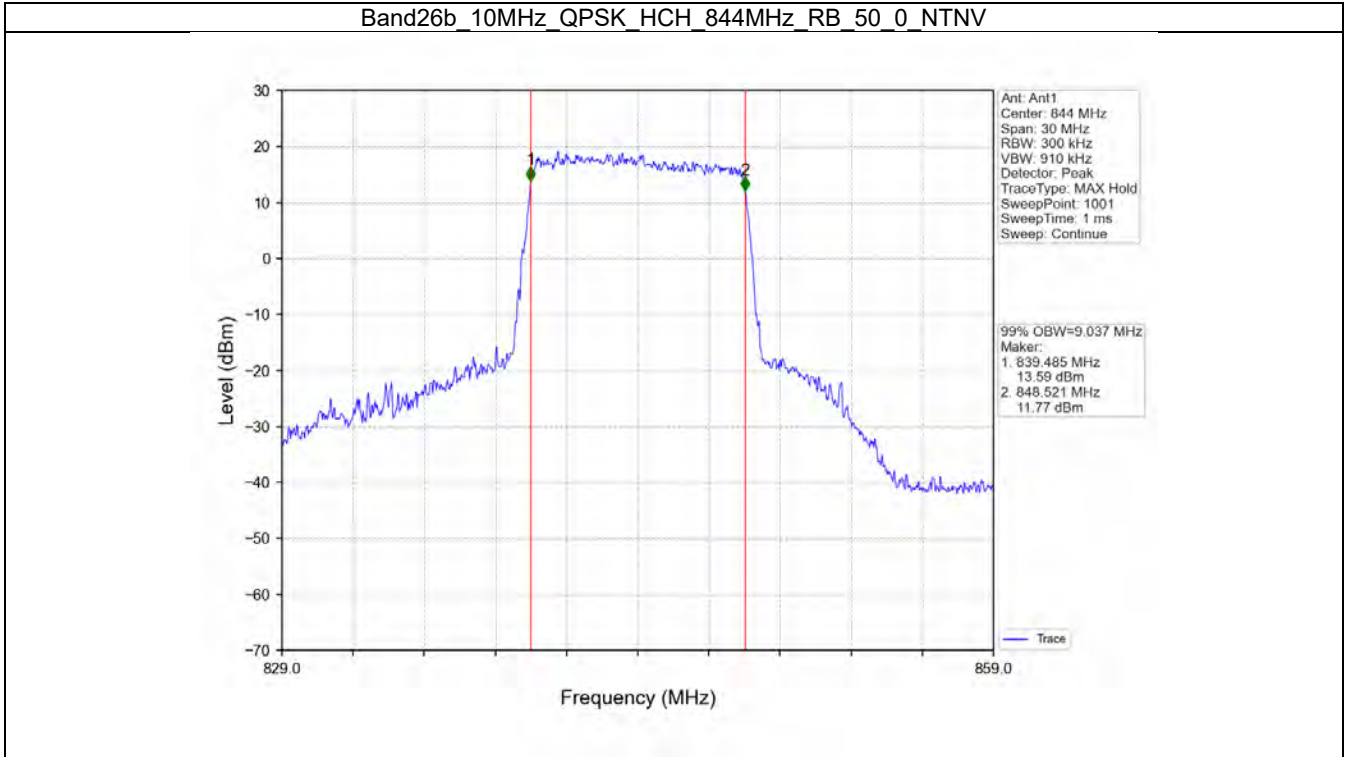






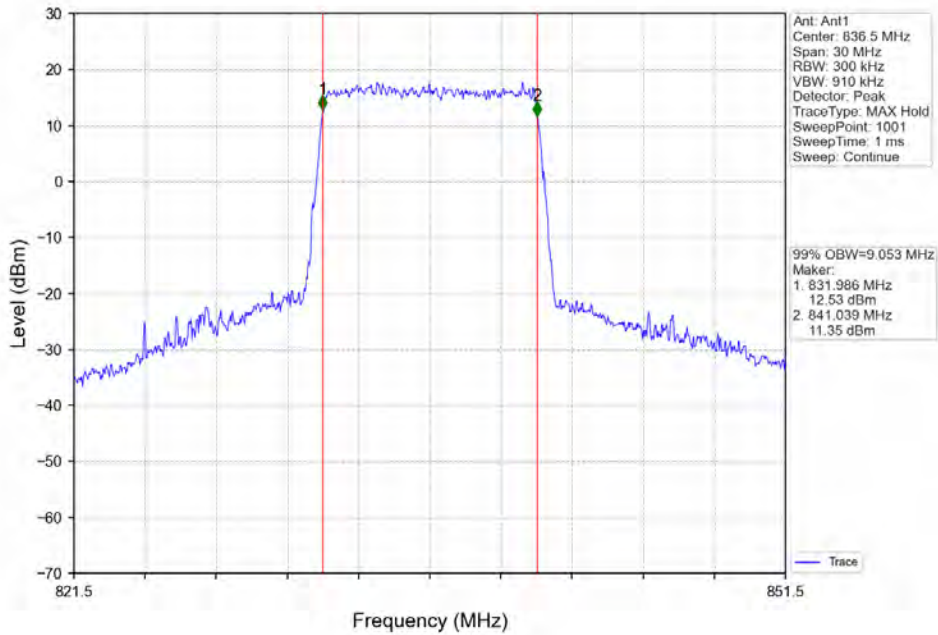




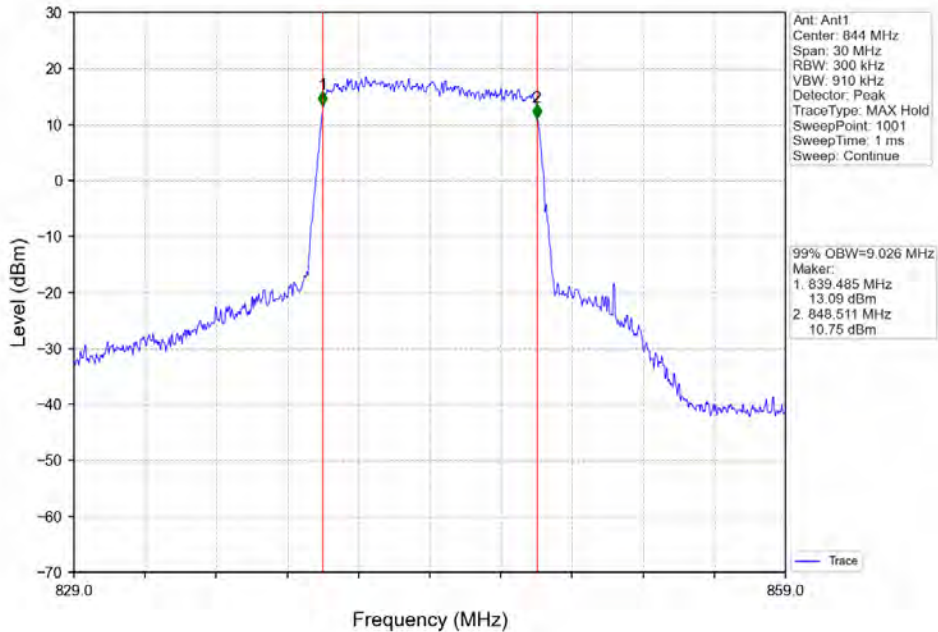




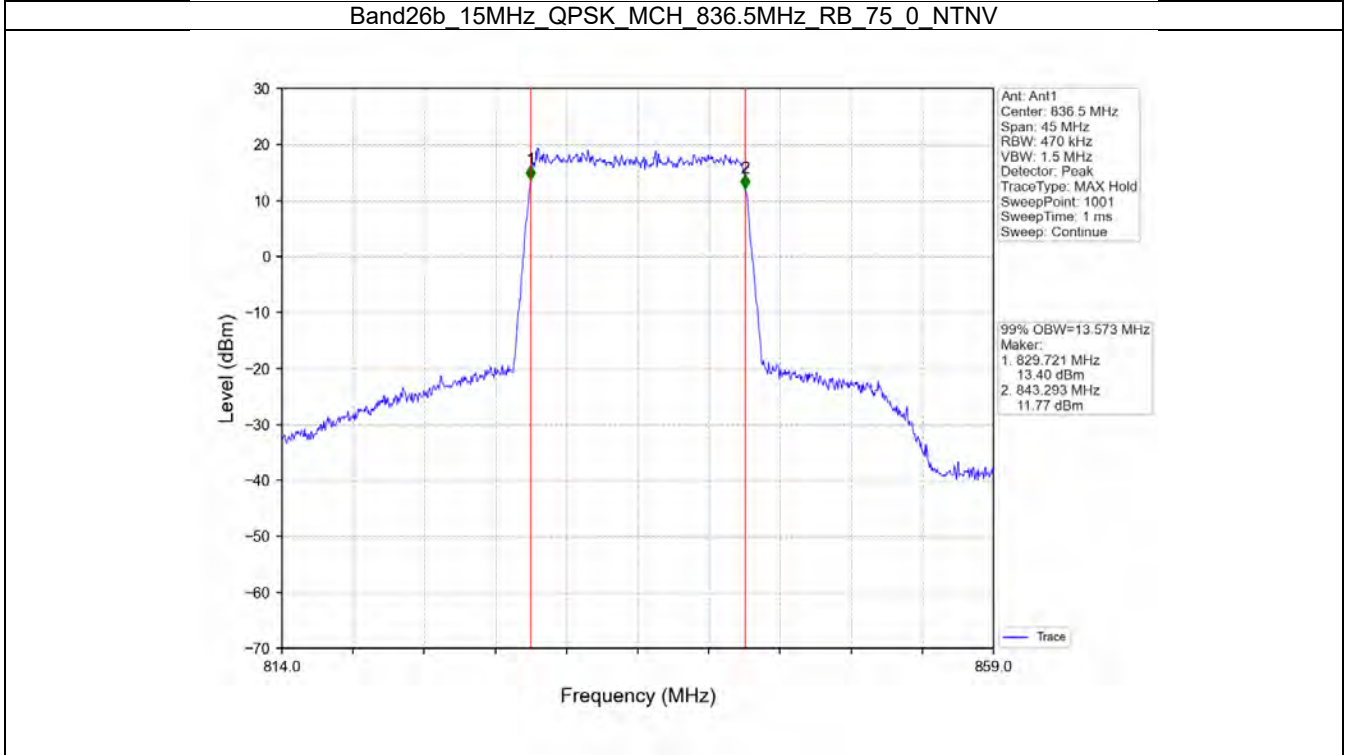
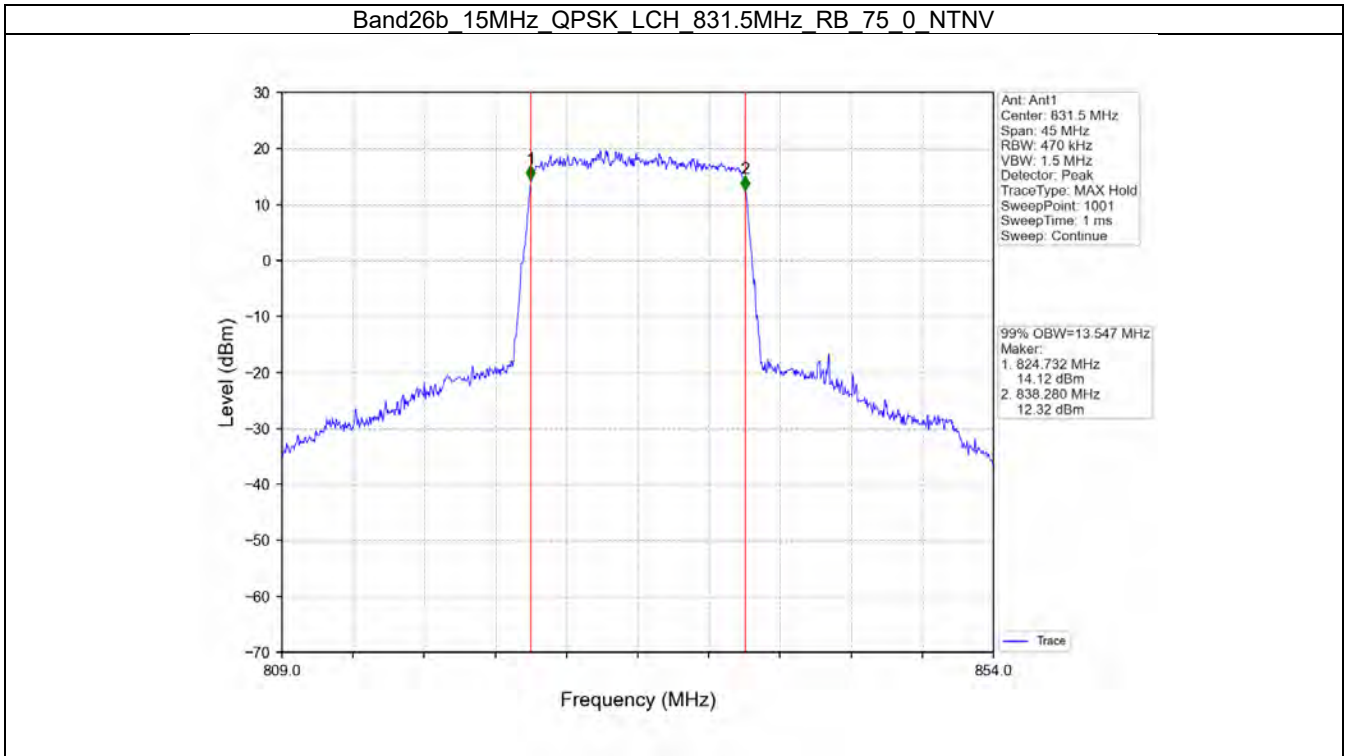
Band26b\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV

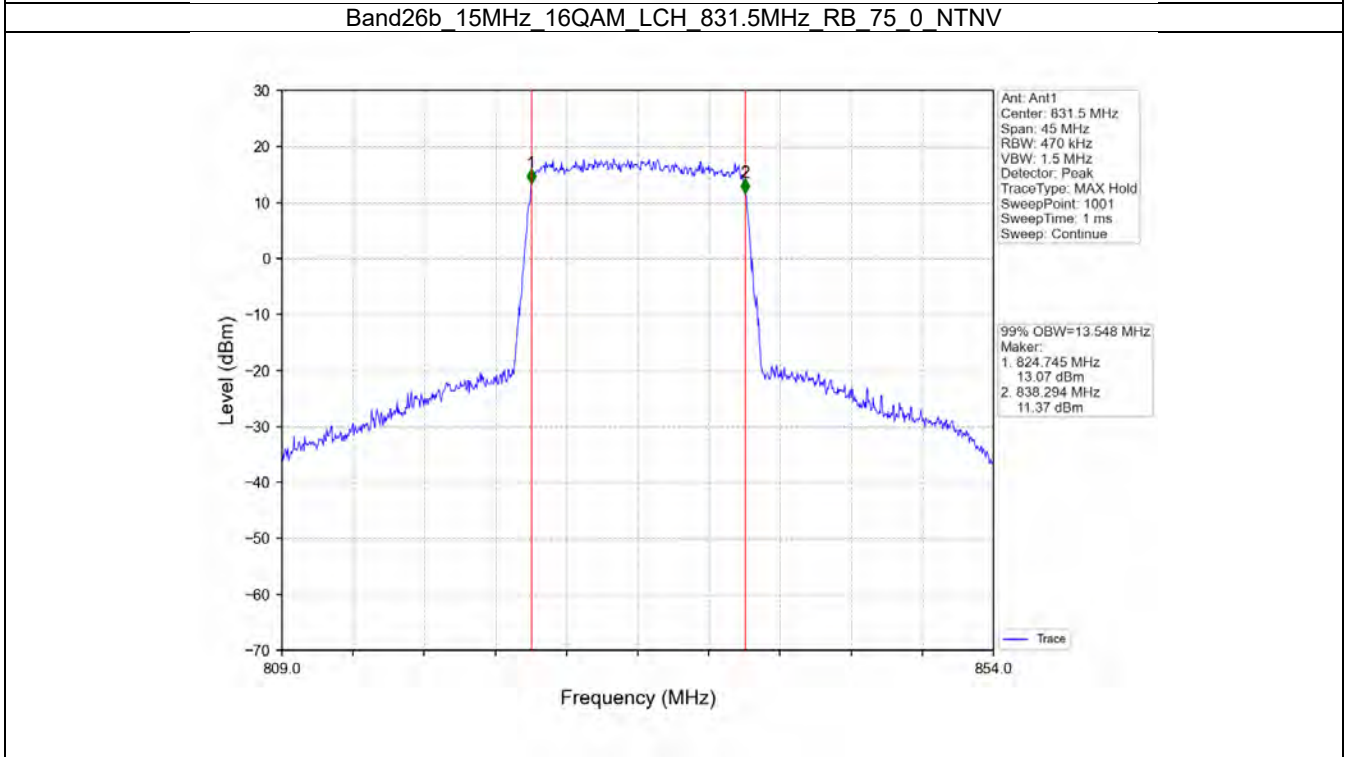
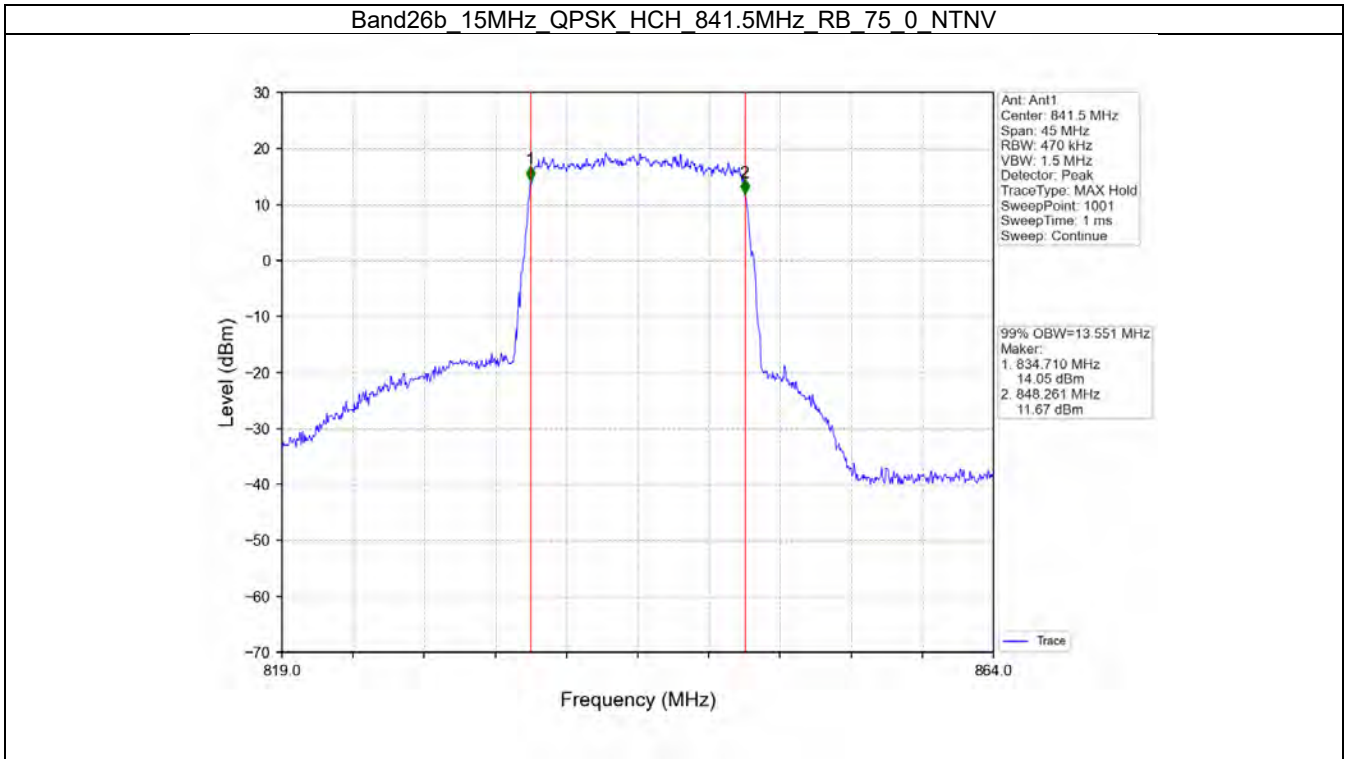


Band26b\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



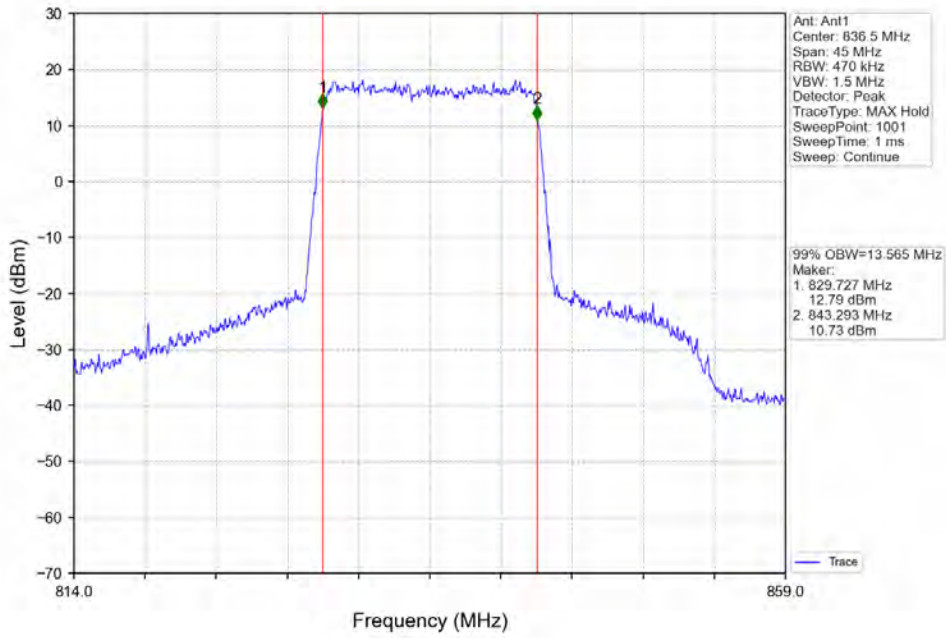




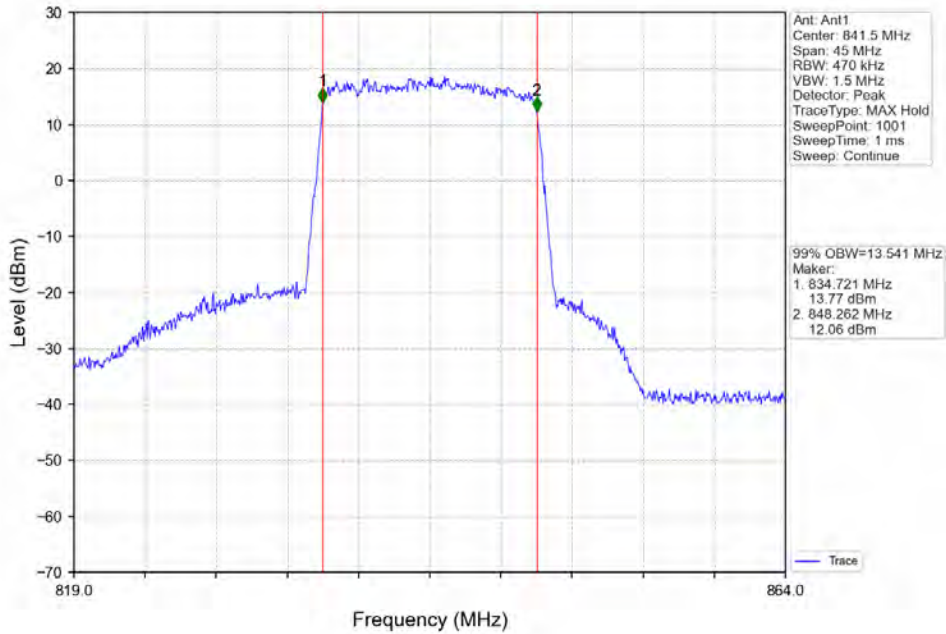




Band26b 15MHz 16QAM MCH 836.5MHz RB 75 0 NTVN

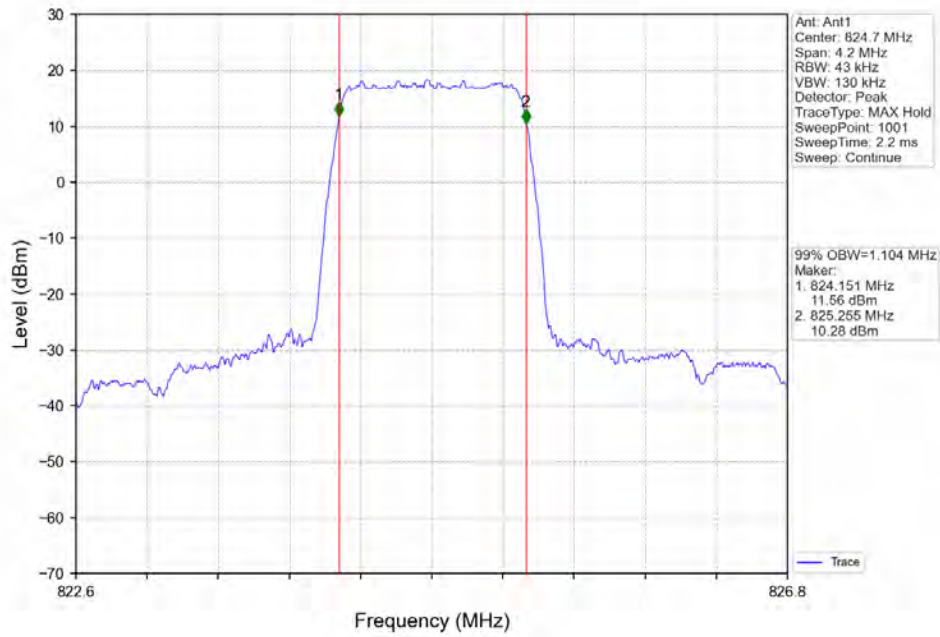


Band26b 15MHz 16QAM HCH 841.5MHz RB 75 0 NTVN

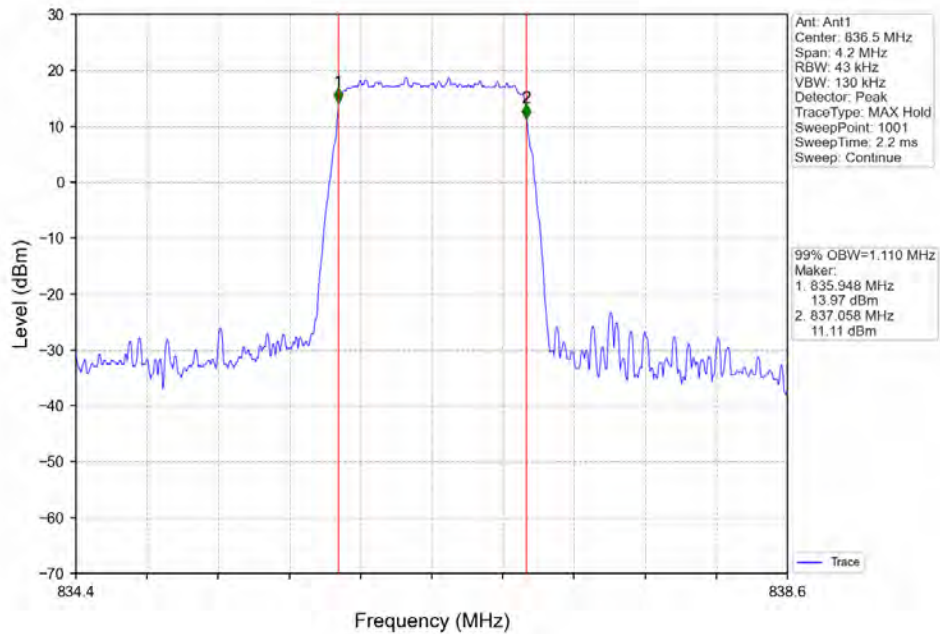




**Band26b\_1.4MHz\_64QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV**



**Band26b\_1.4MHz\_64QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV**



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District, Shenzhen, Guangdong, China

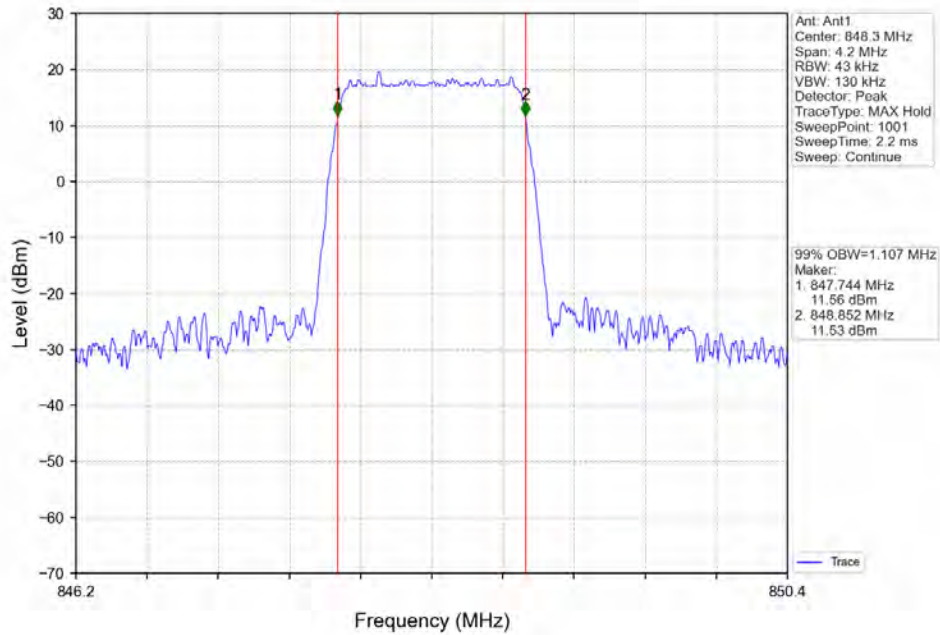
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

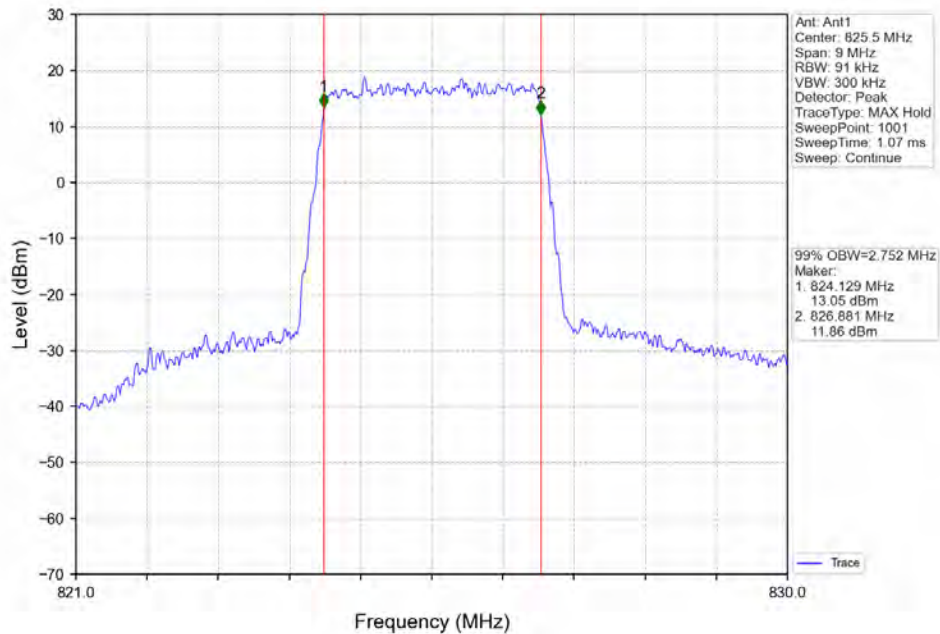
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

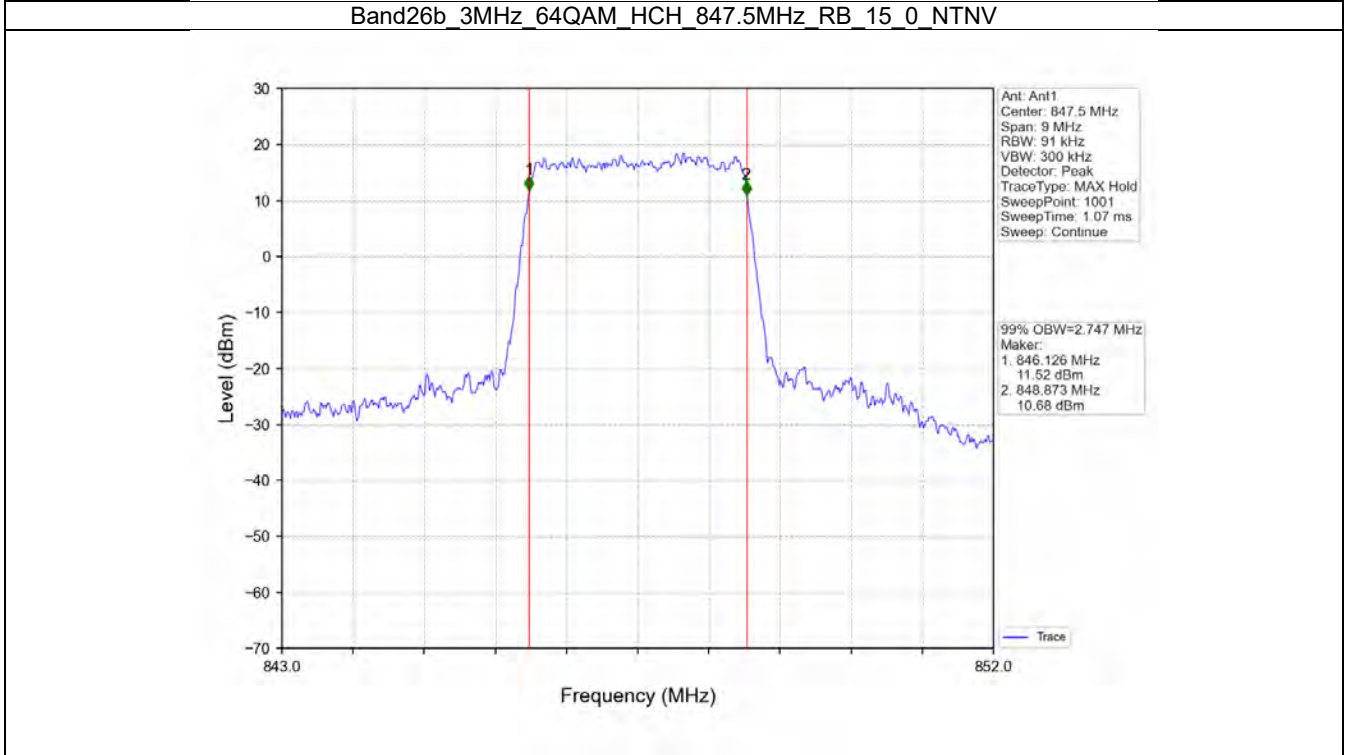
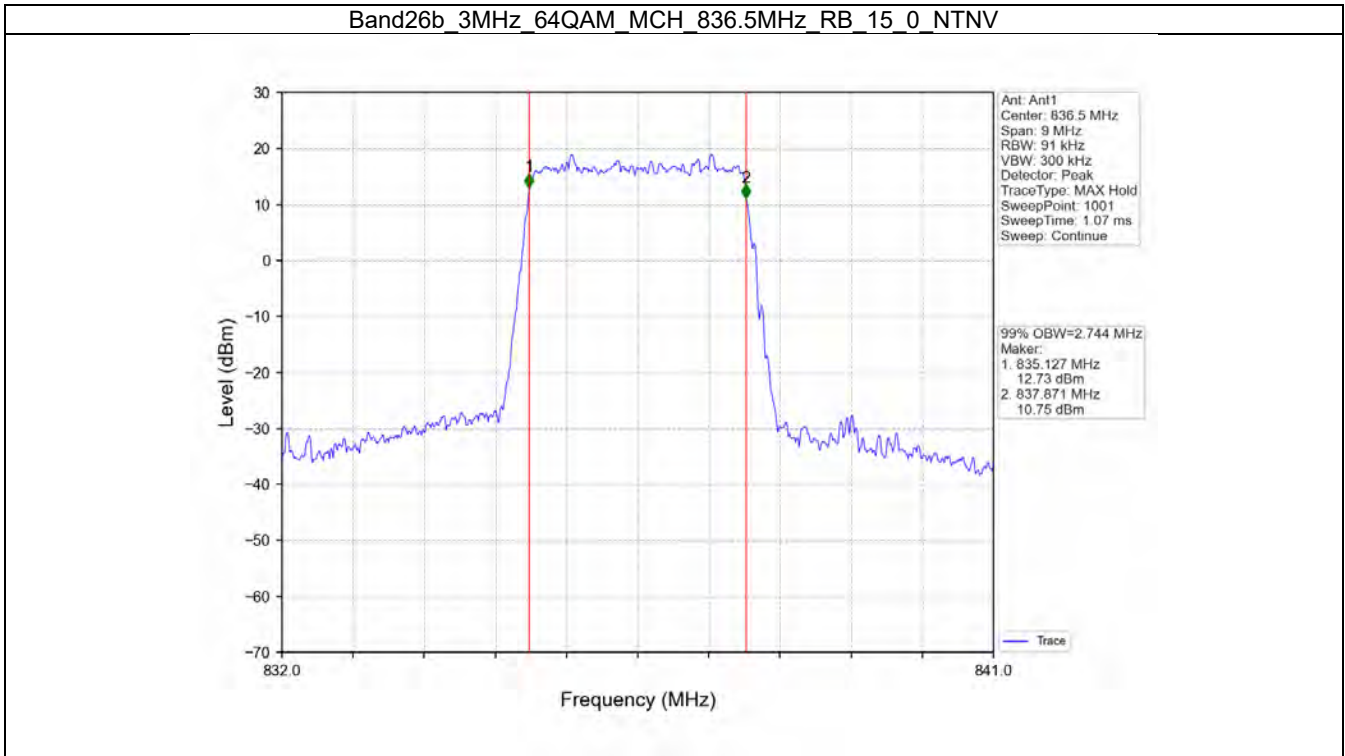


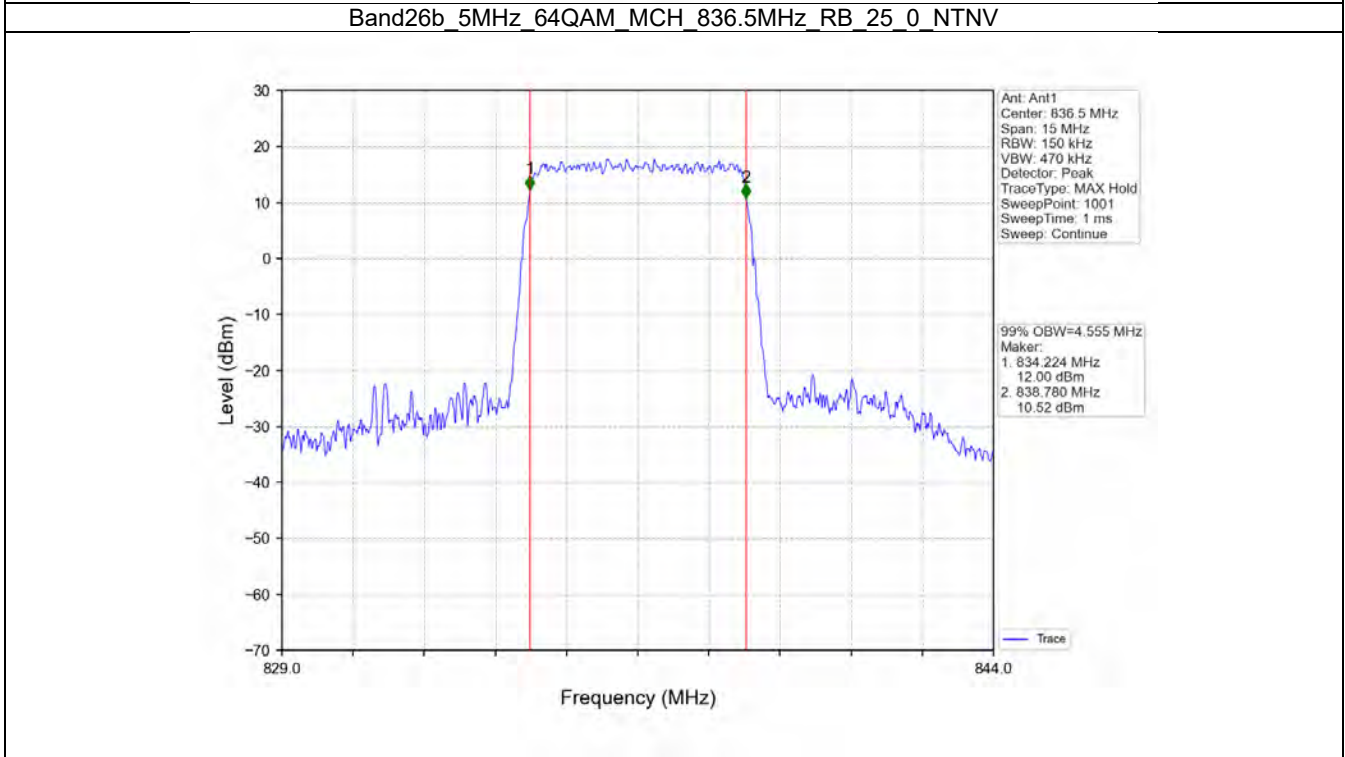
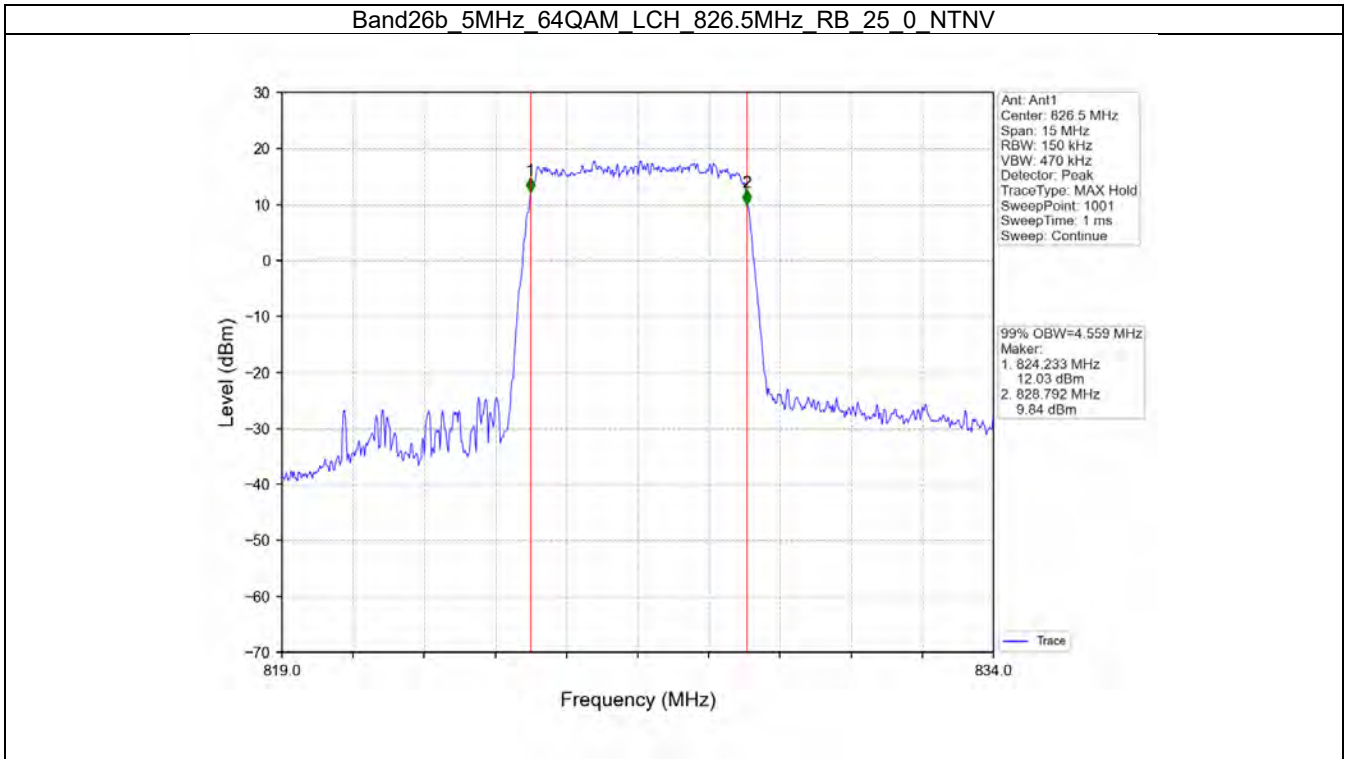
Band26b\_1.4MHz\_64QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

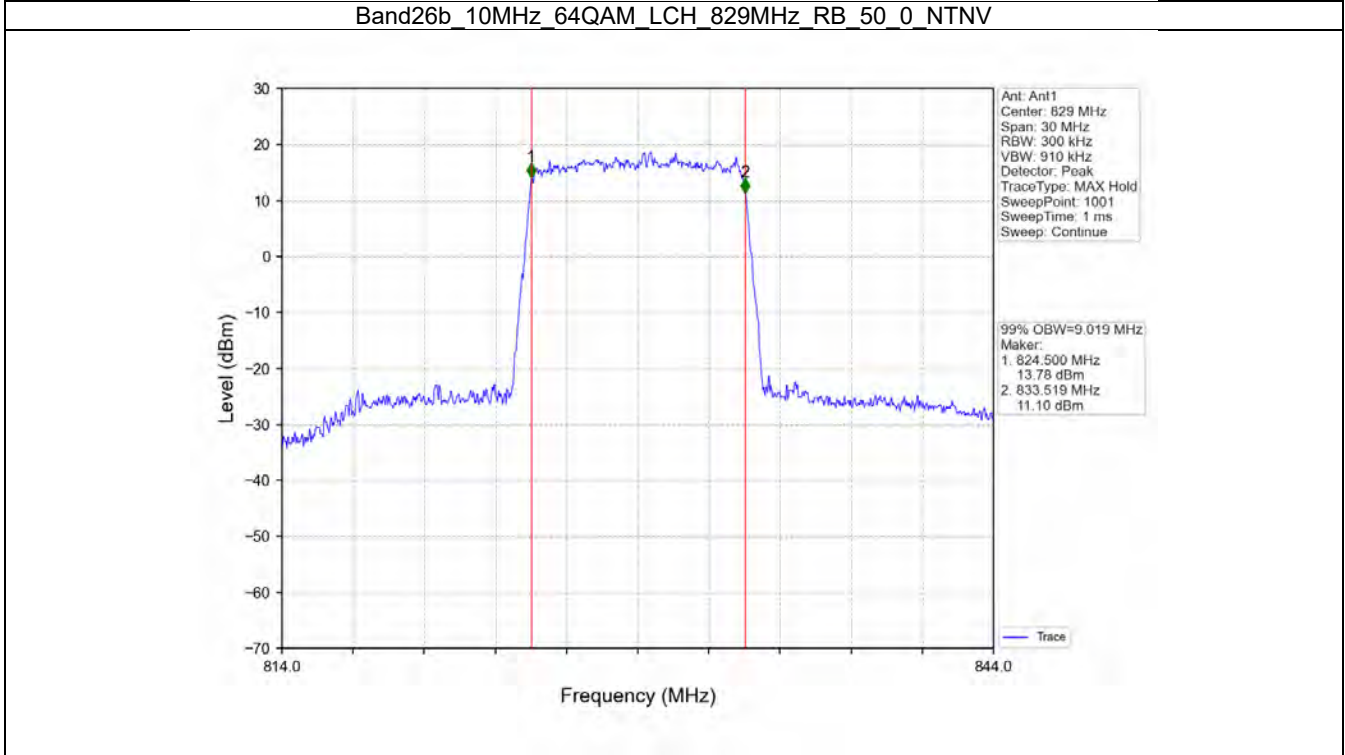
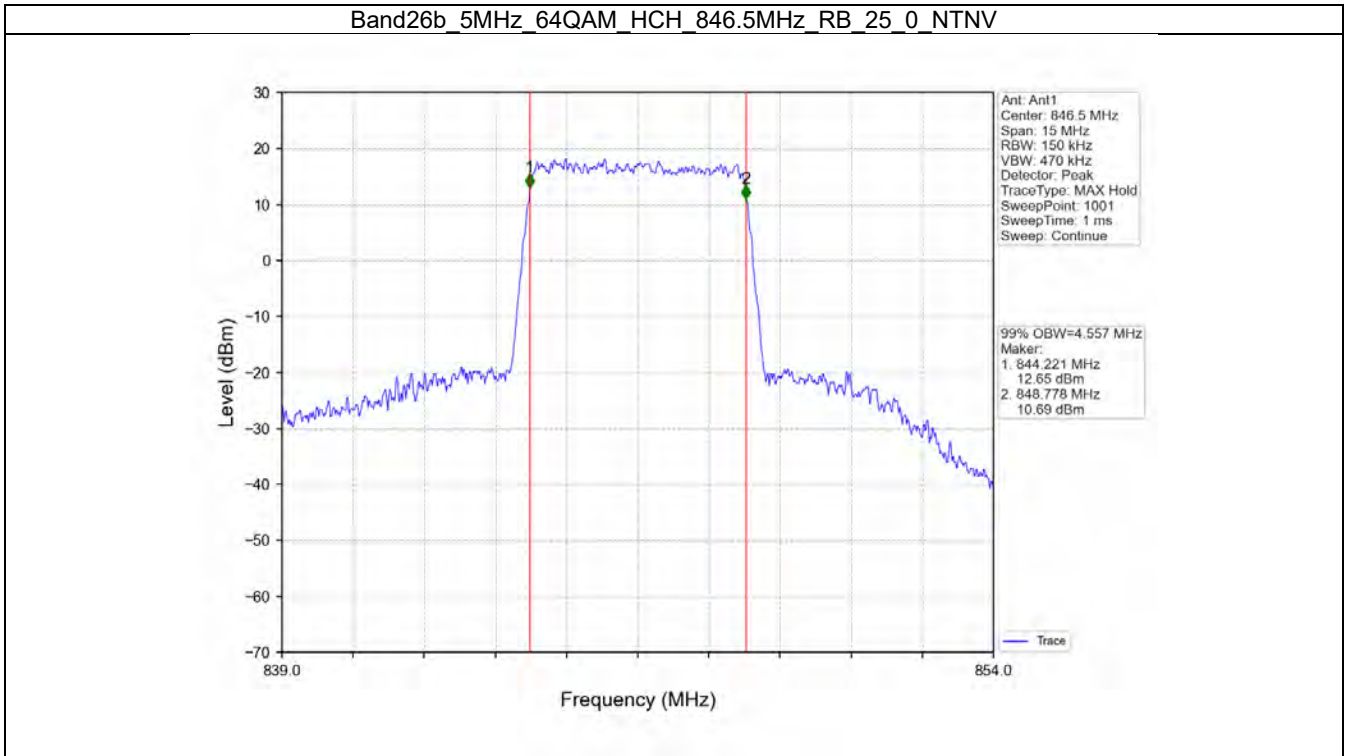


Band26b\_3MHz\_64QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV





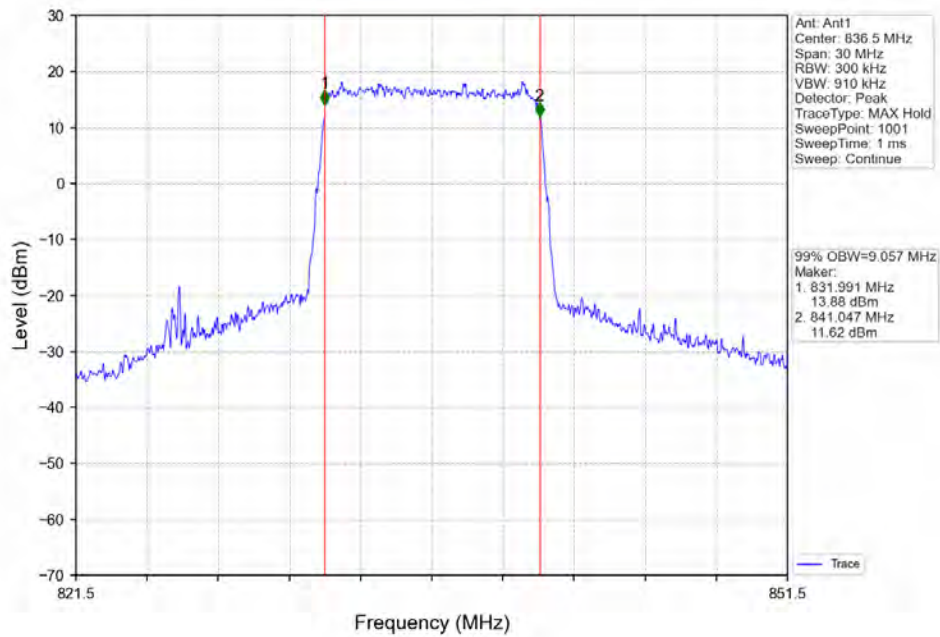




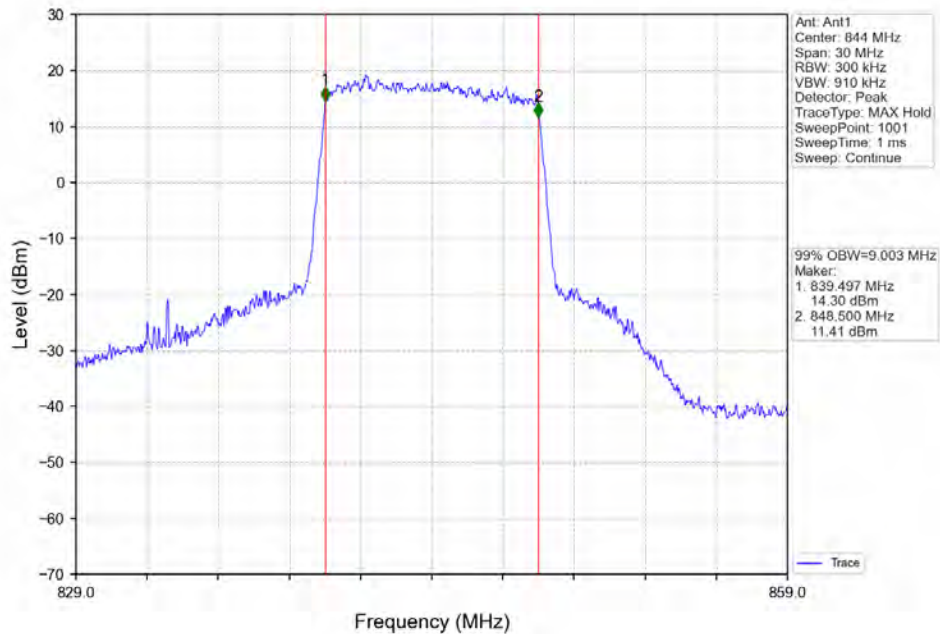


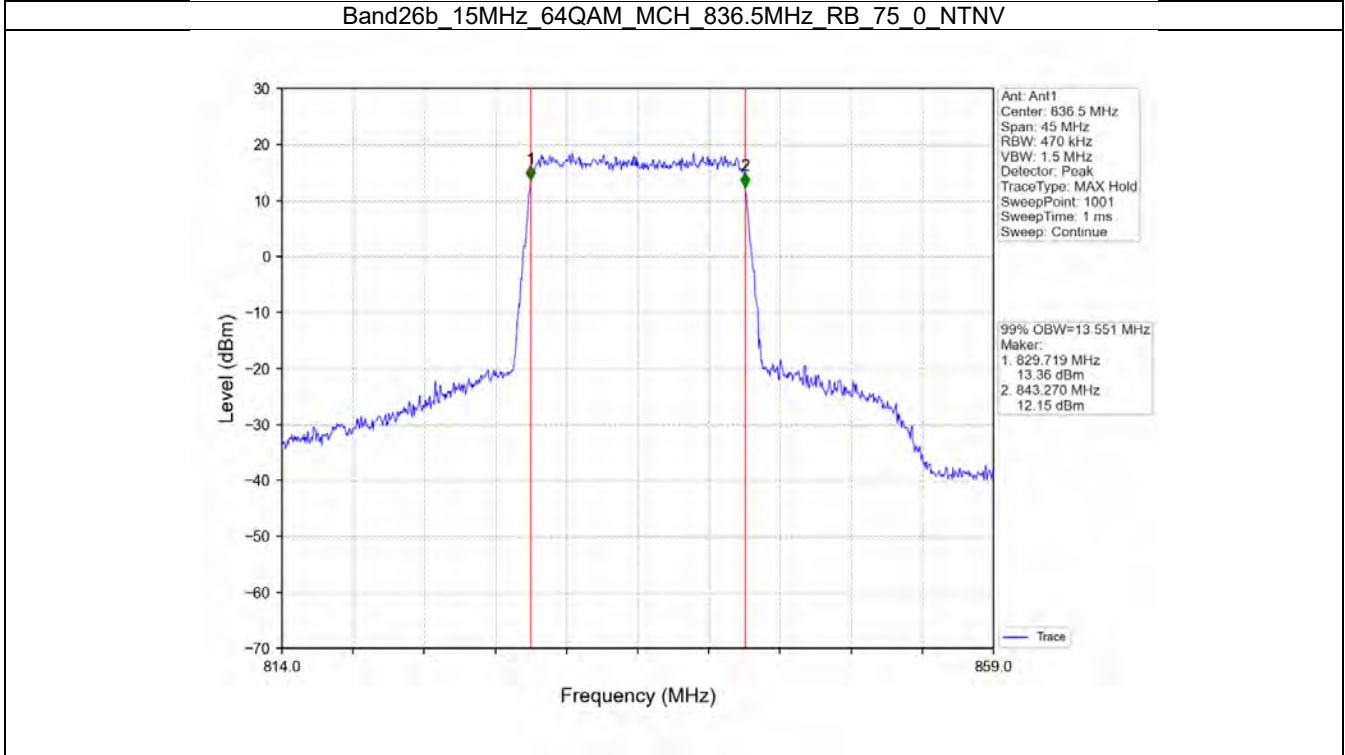
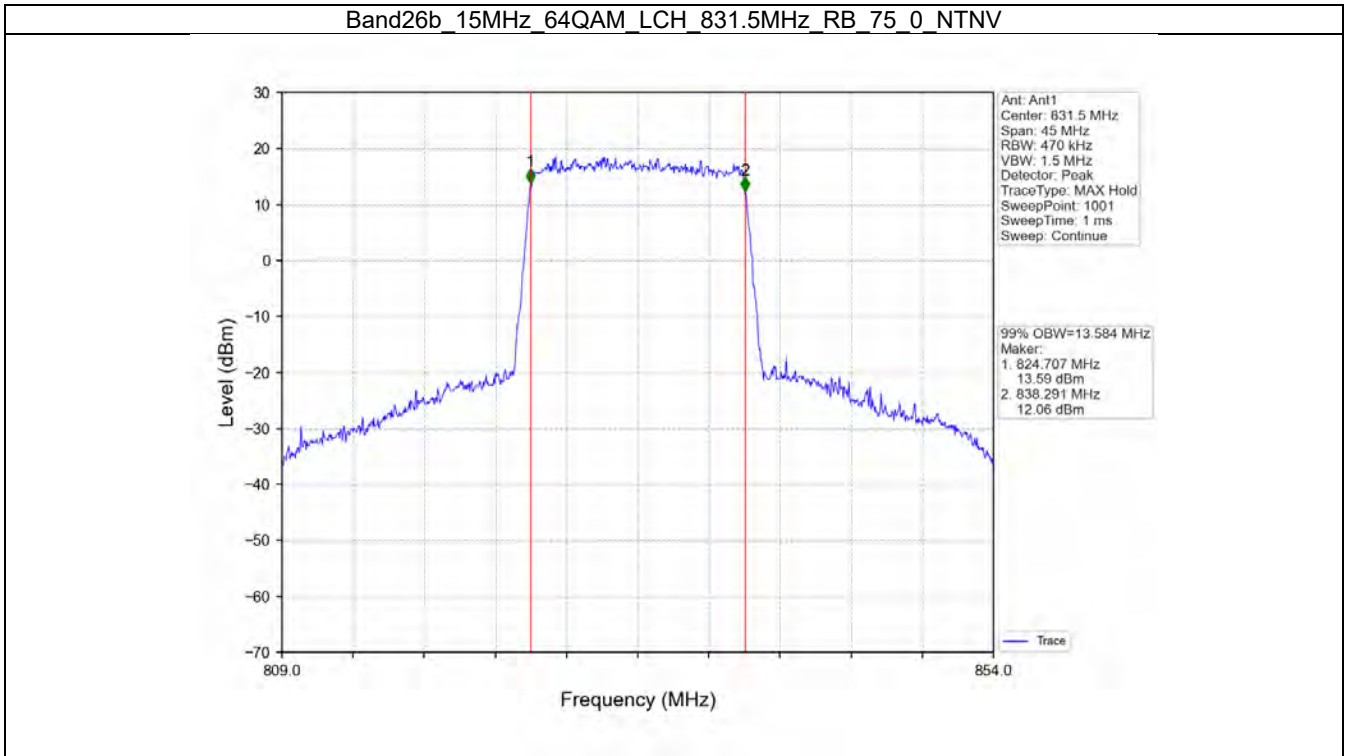


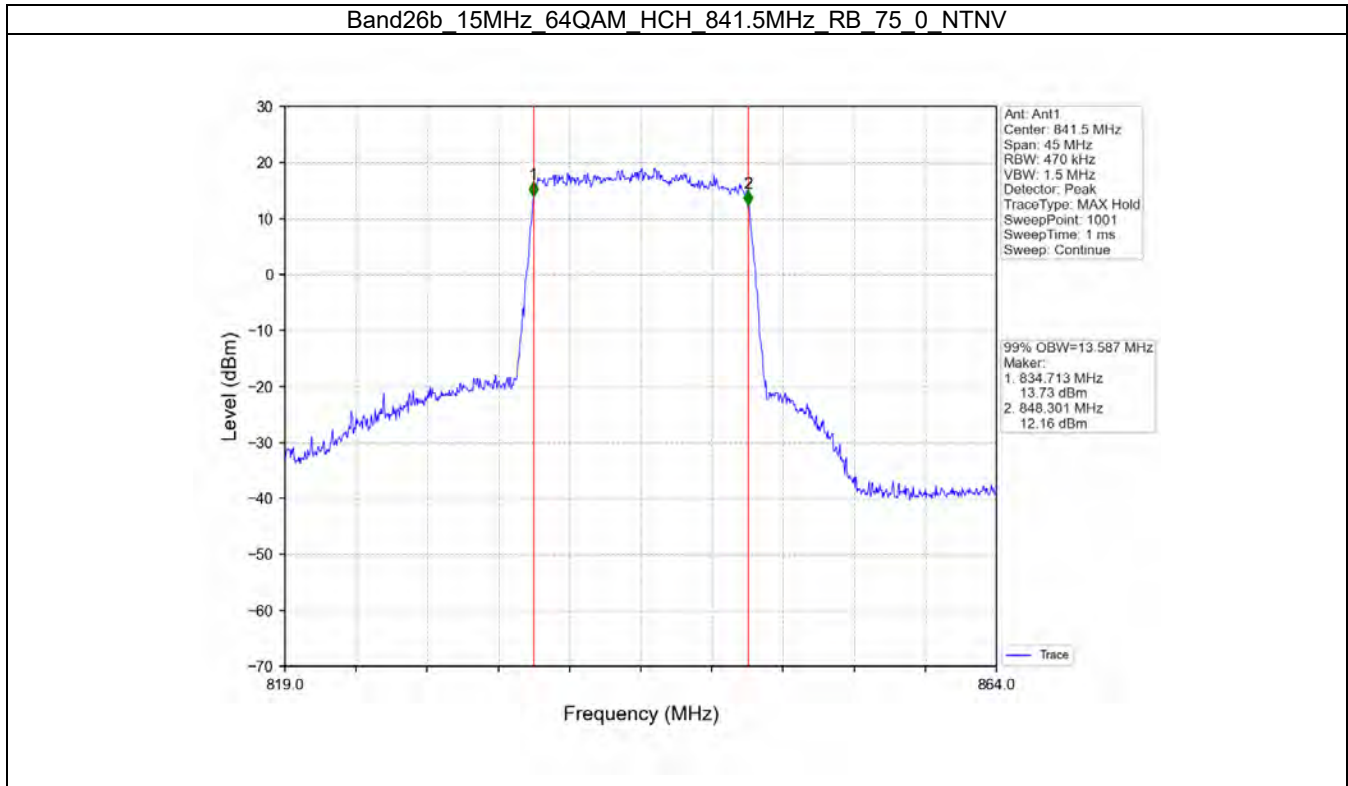
**Band26b\_10MHz\_64QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV**



**Band26b\_10MHz\_64QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV**









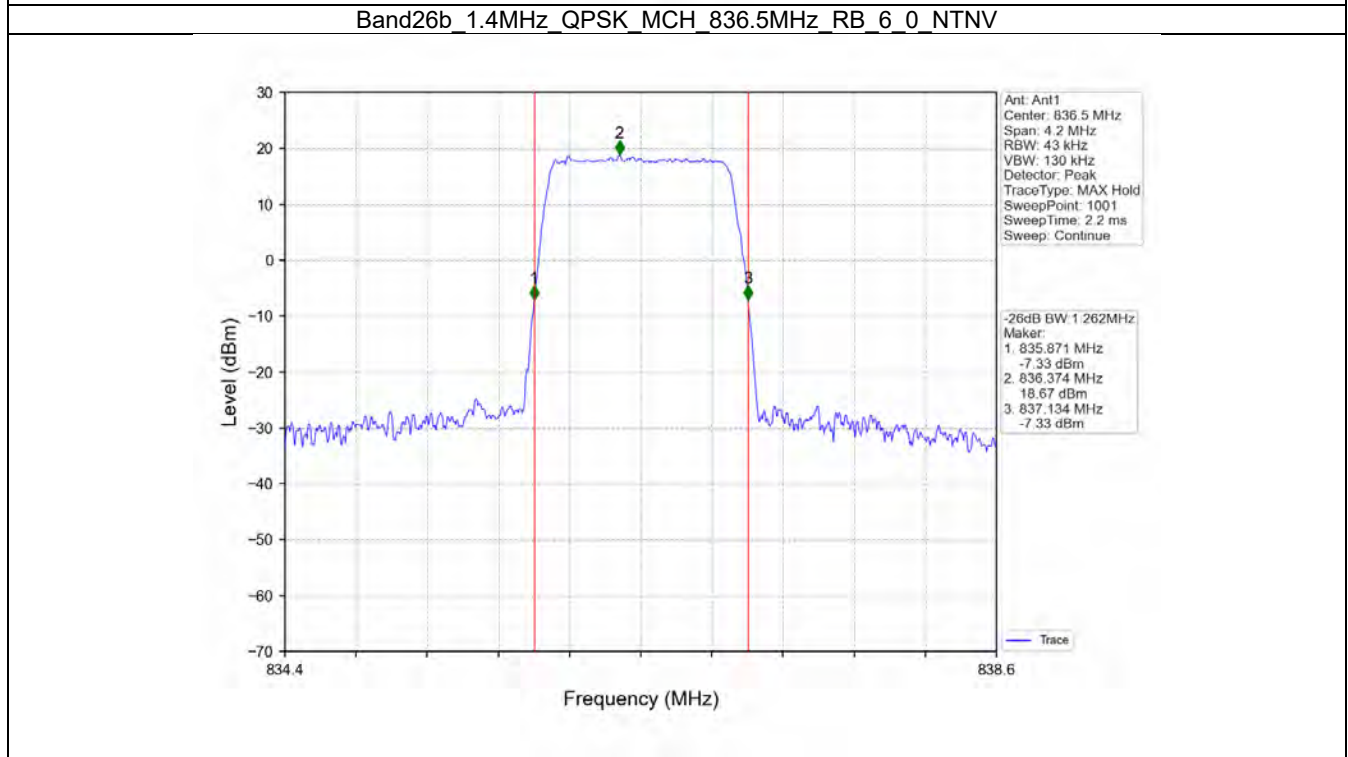
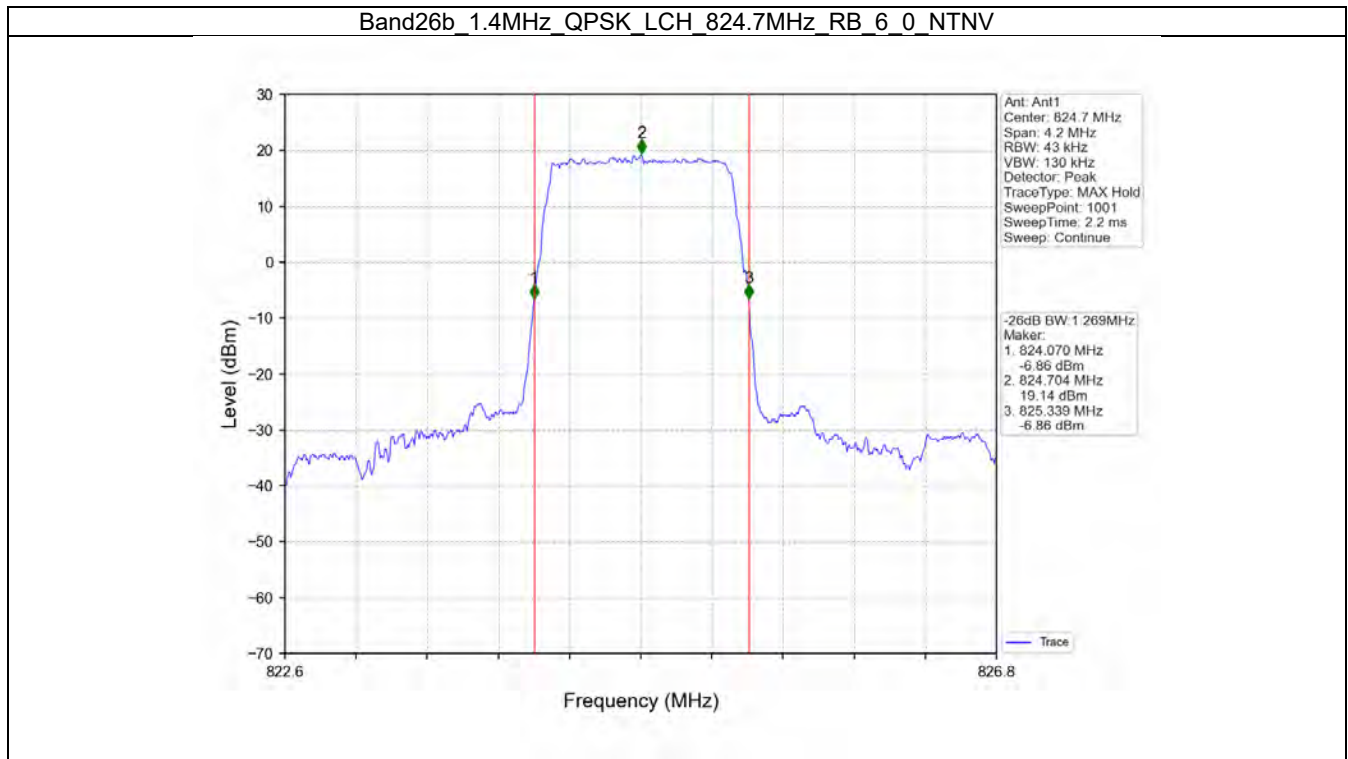
## 2.8 Band26b\_26DB

### 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



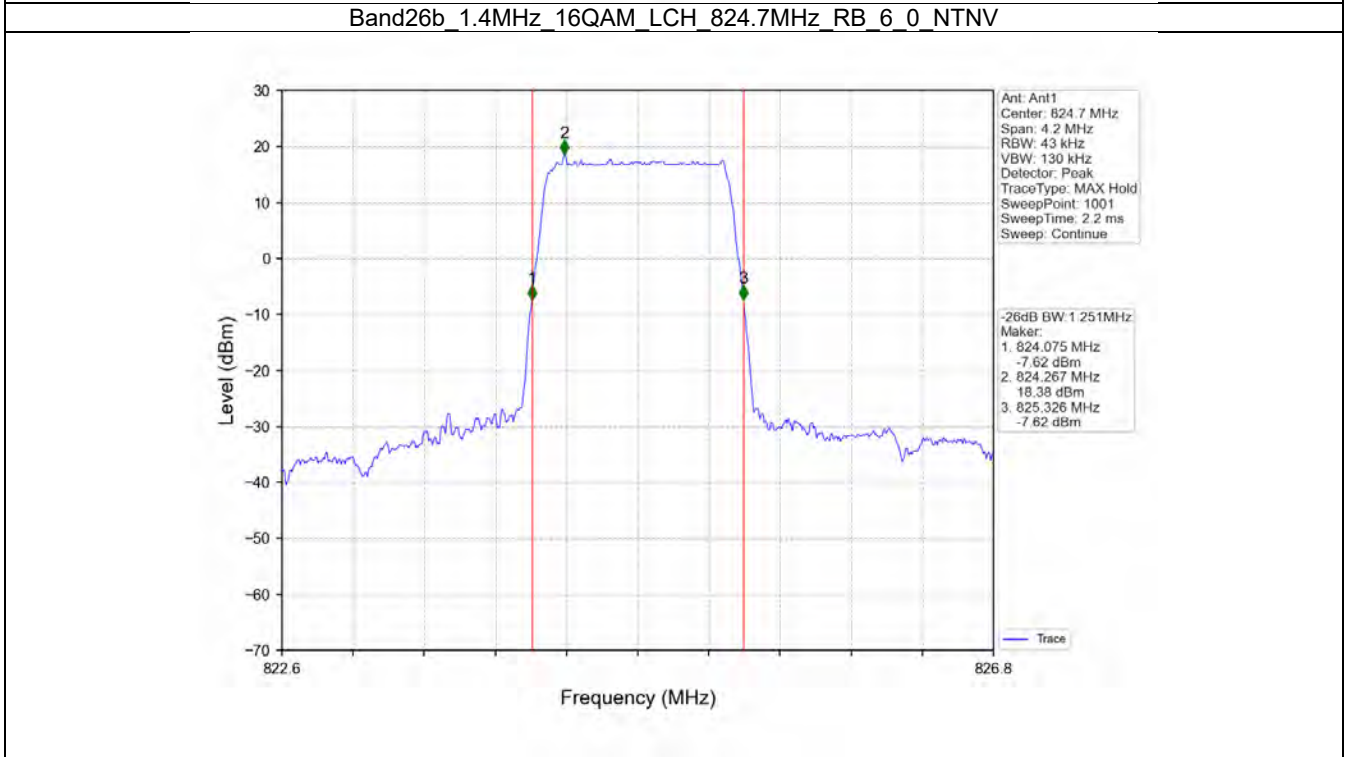
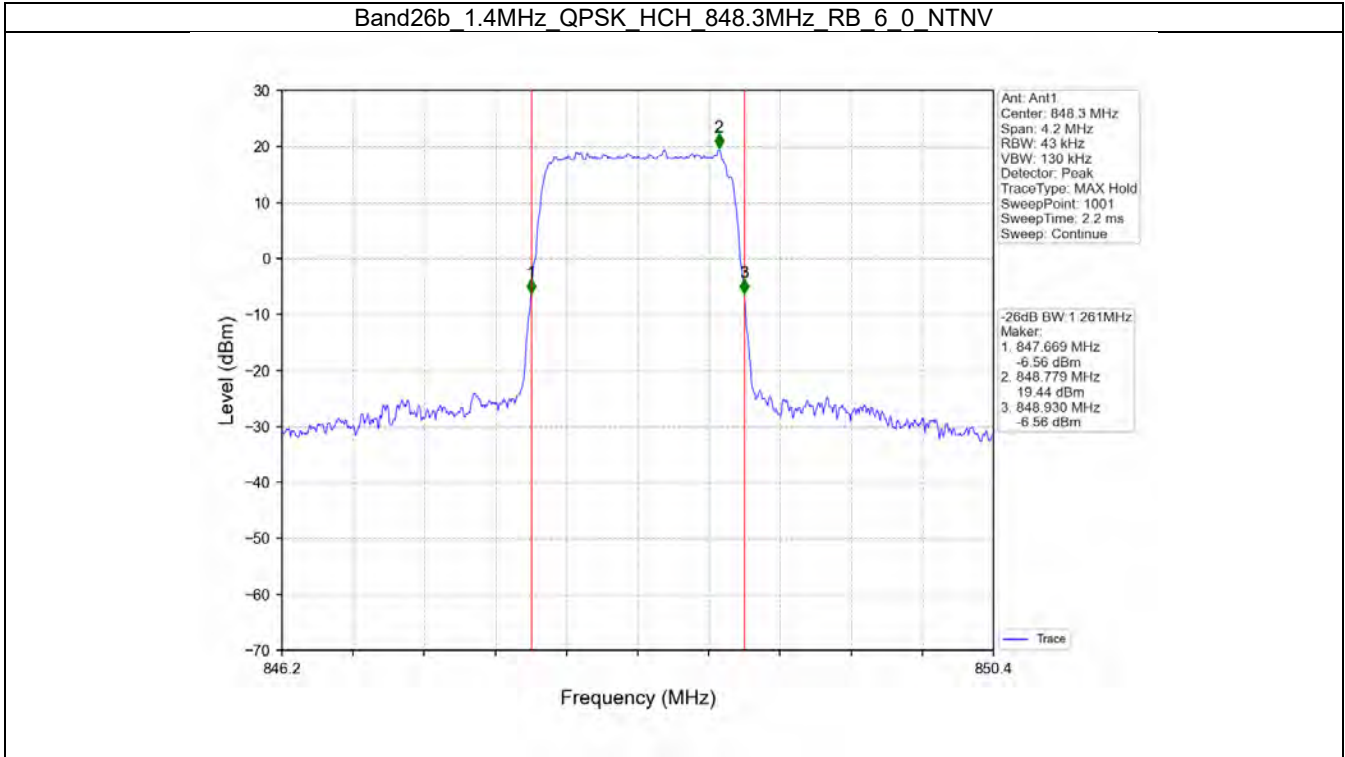
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District, Shenzhen, Guangdong, China

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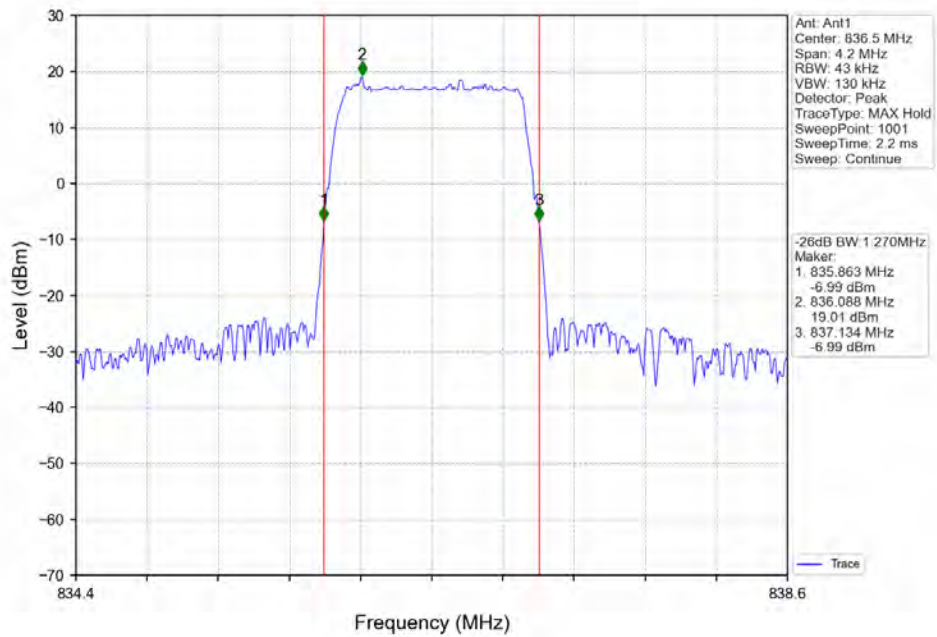
Fax: +86 755 8869 6577

Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

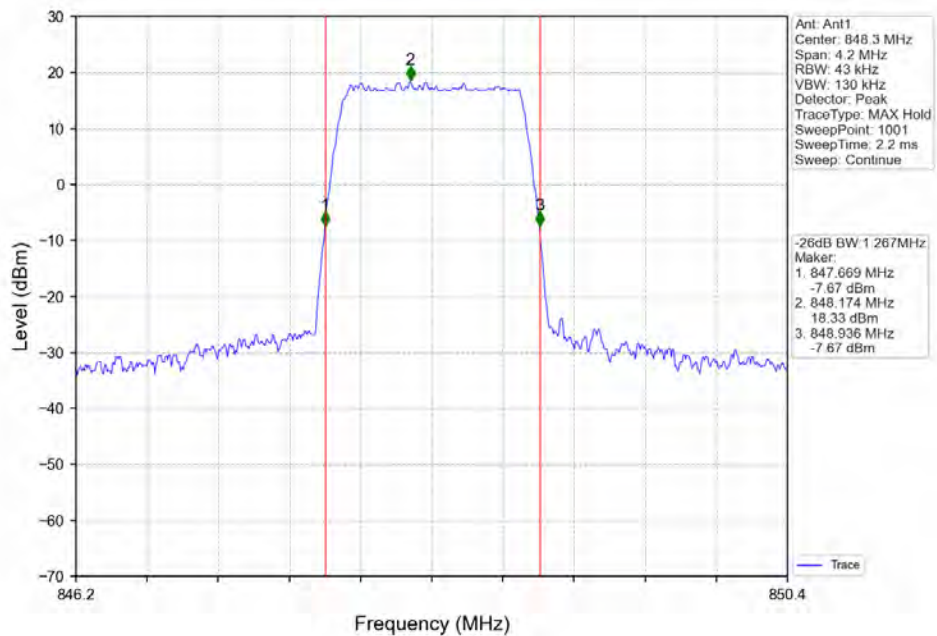


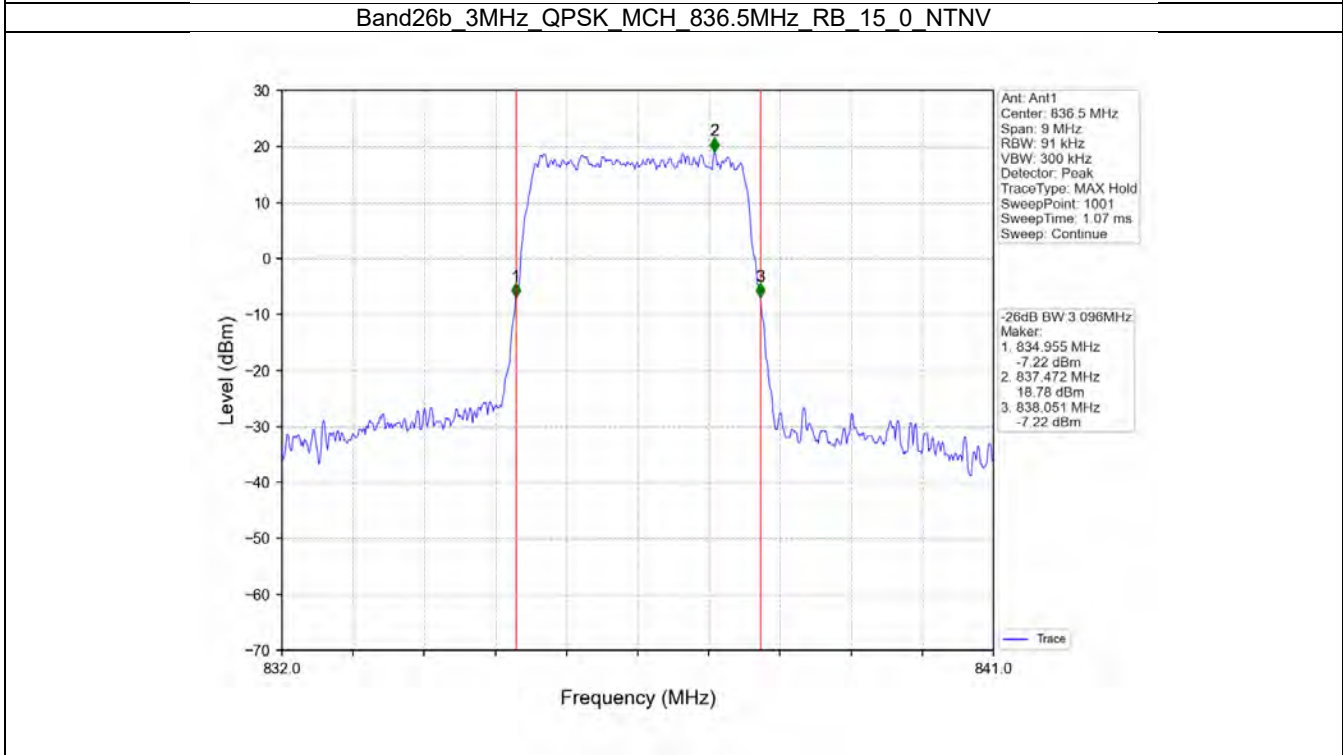
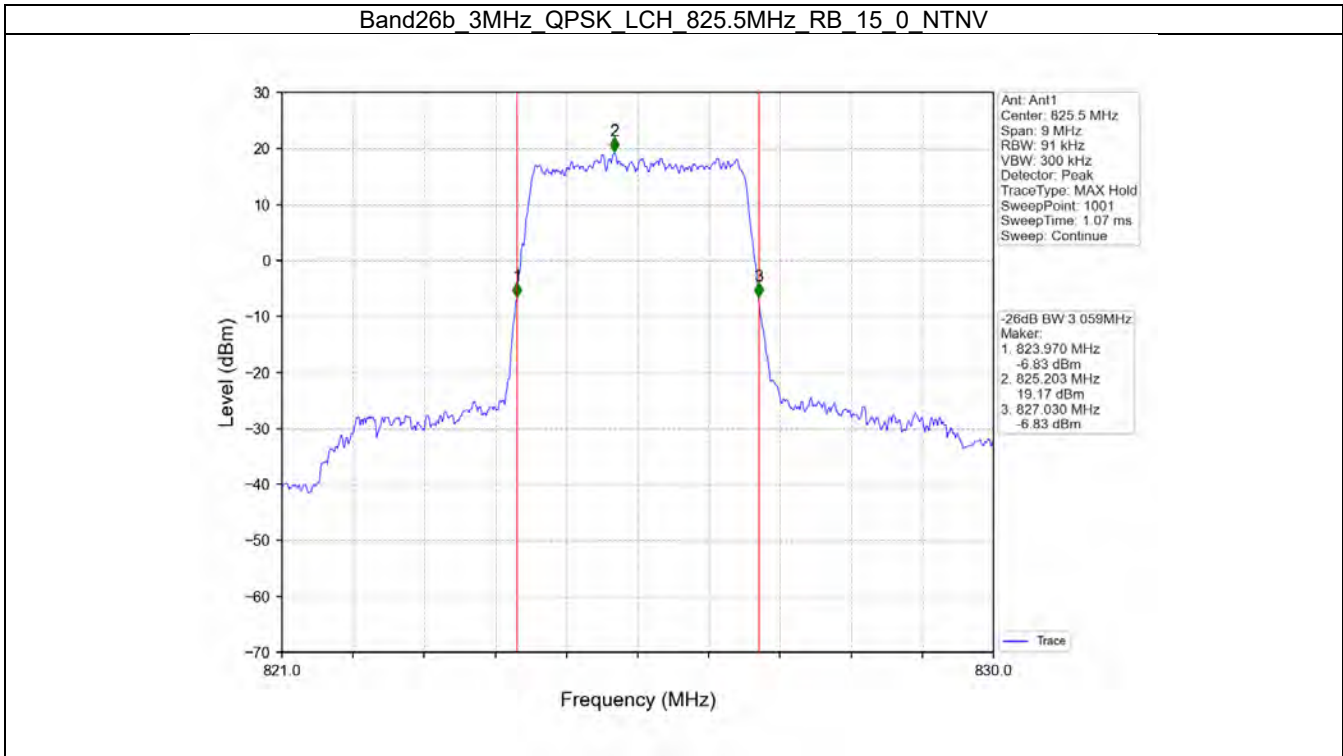


**Band26b\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV**

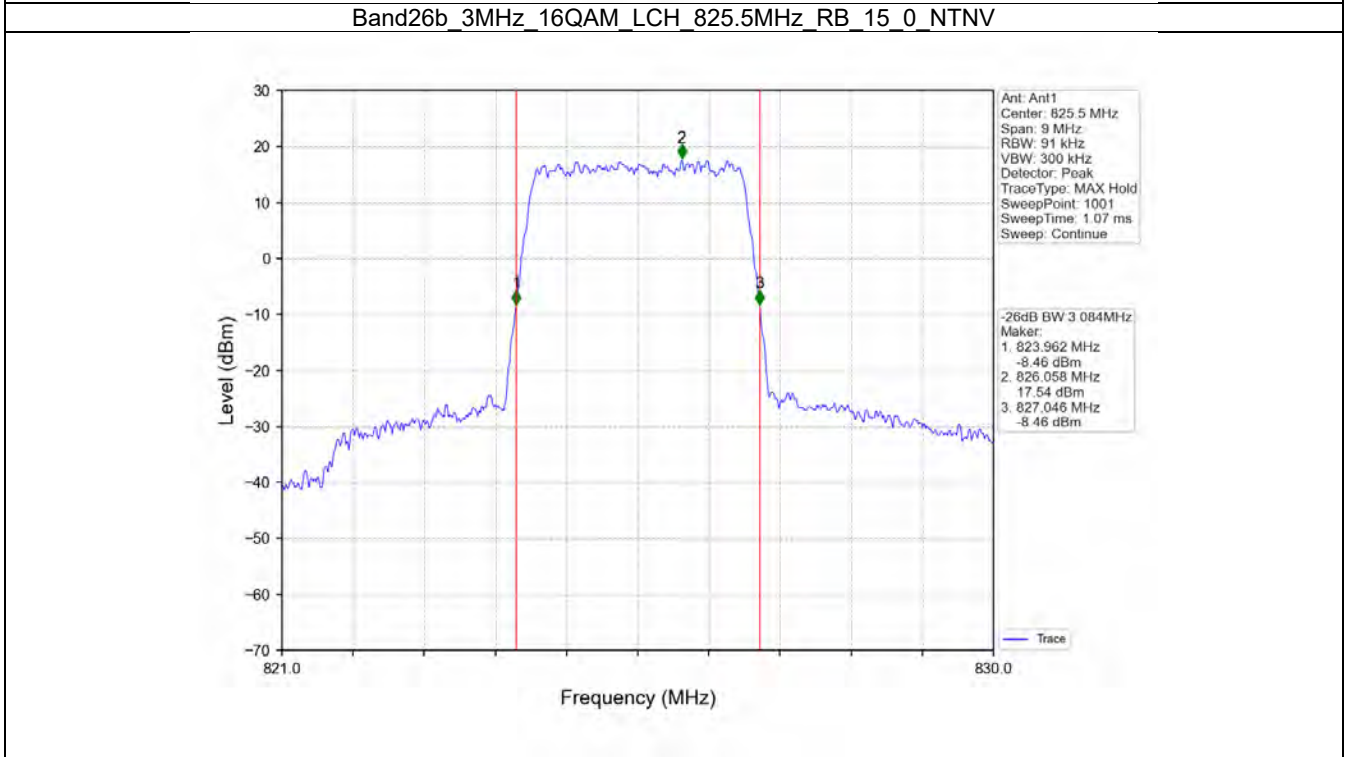
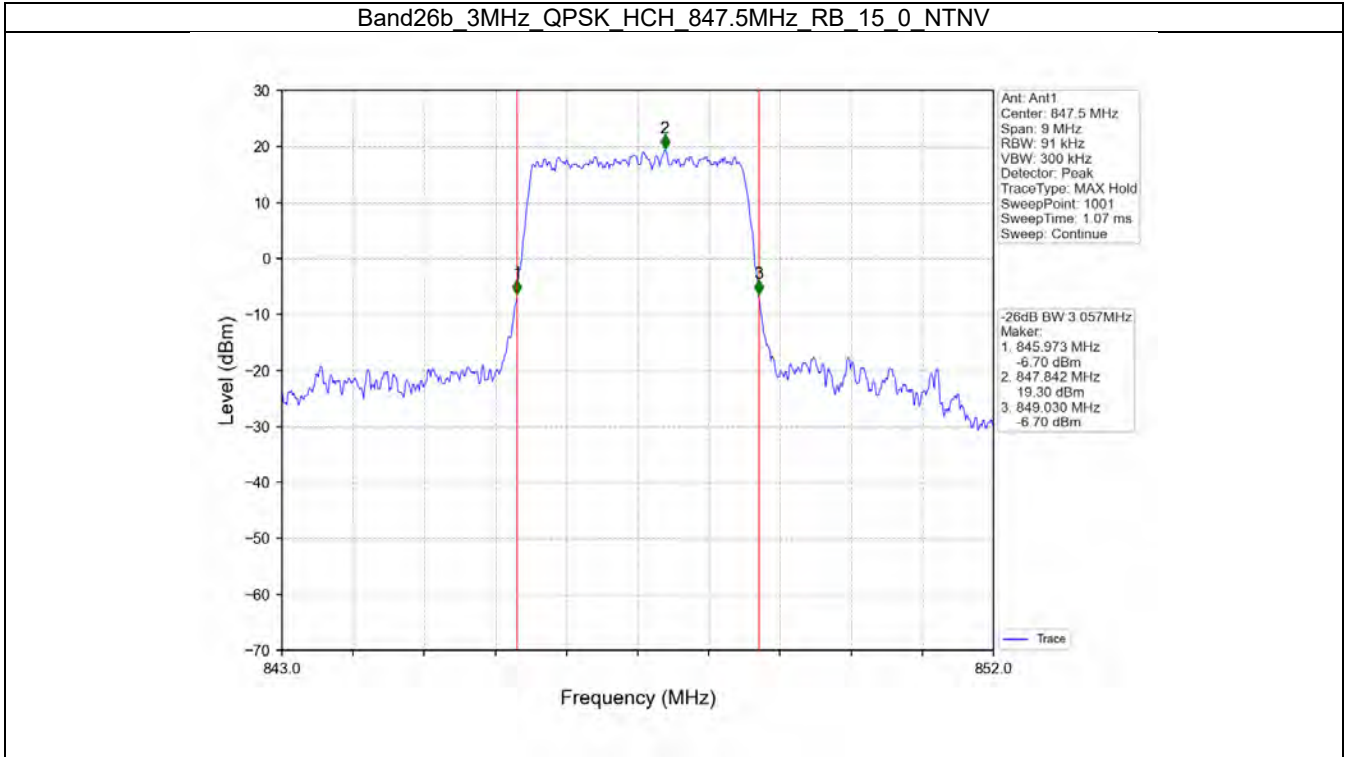


**Band26b\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV**



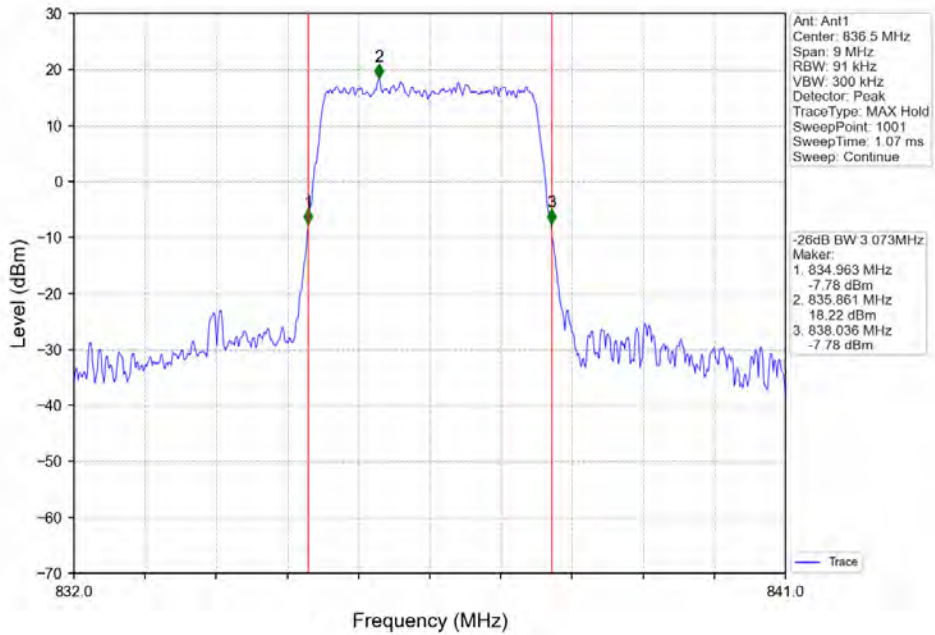




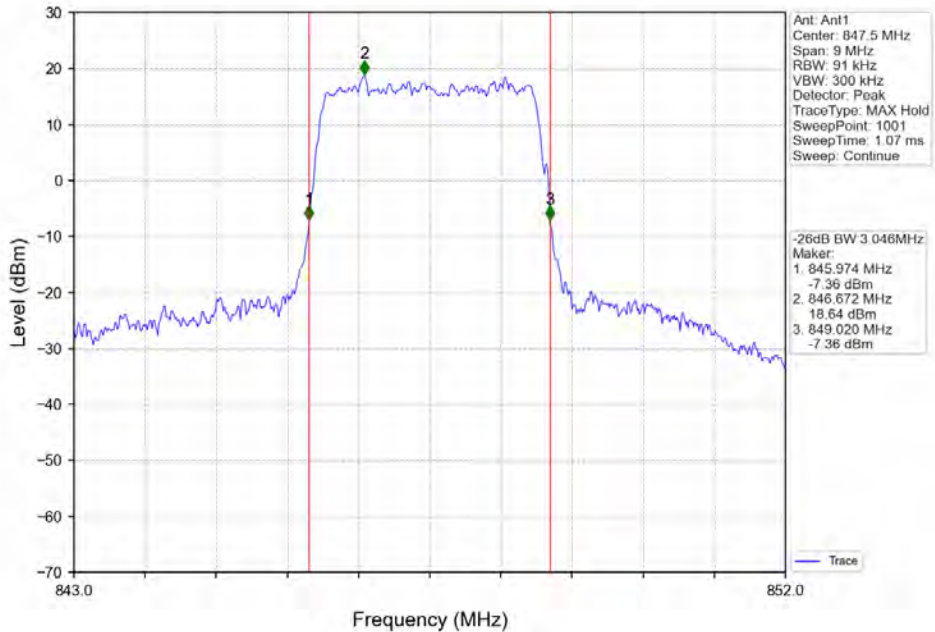




**Band26b 3MHz 16QAM MCH 836.5MHz RB 15\_0 NTN**



**Band26b 3MHz 16QAM HCH 847.5MHz RB 15\_0 NTN**



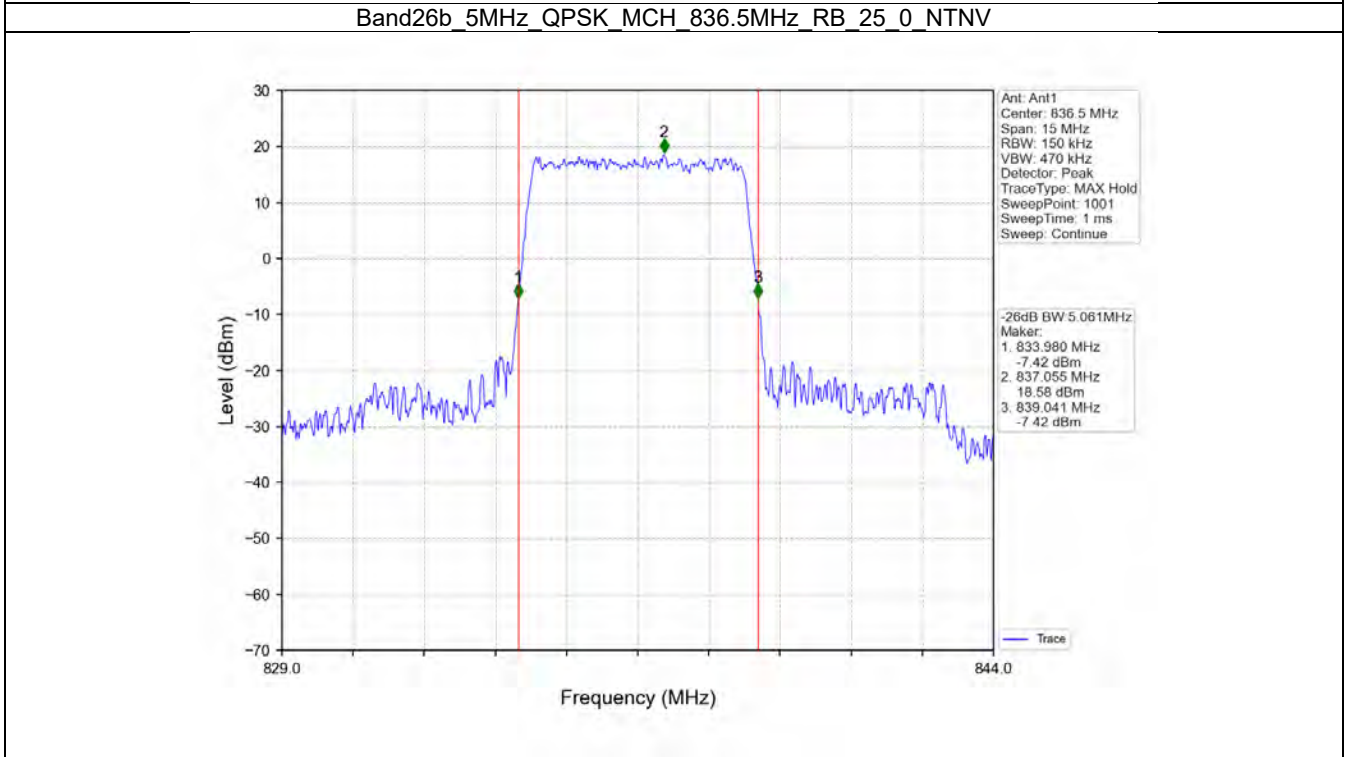
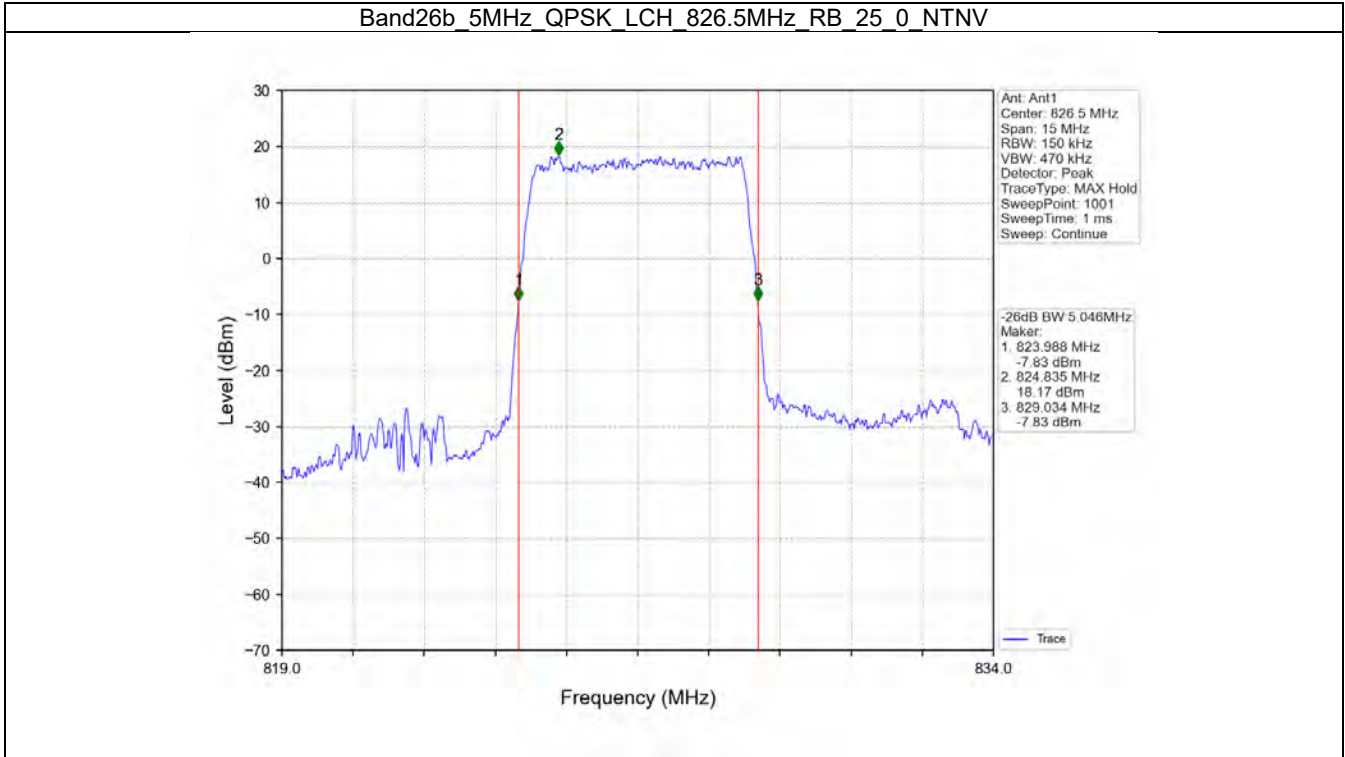
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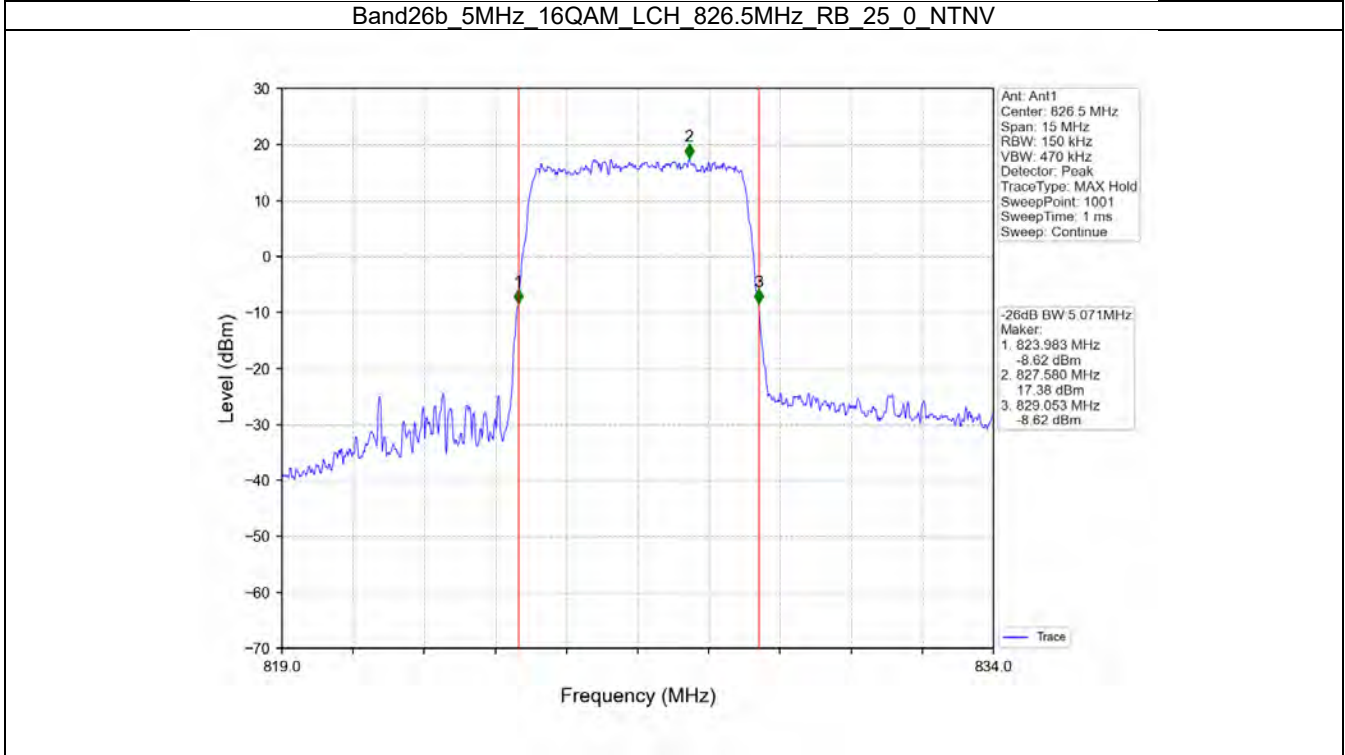
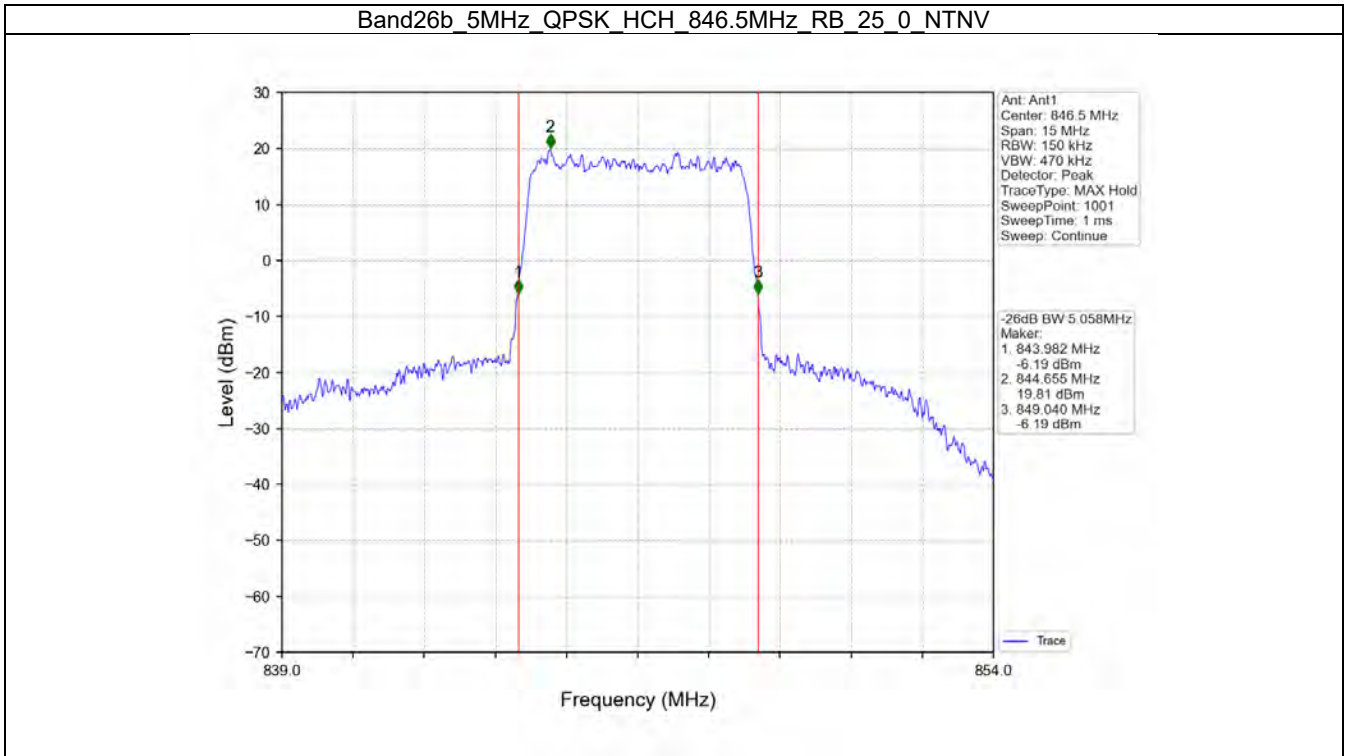
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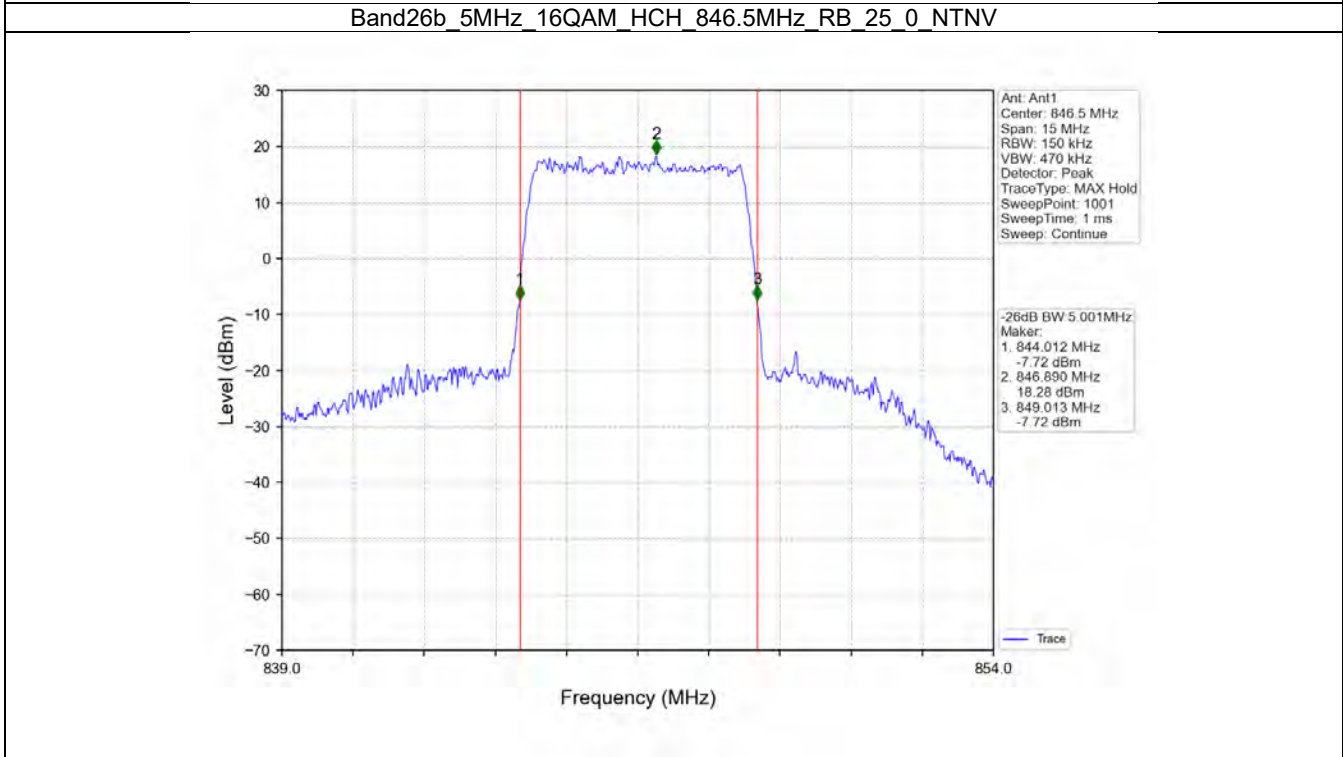
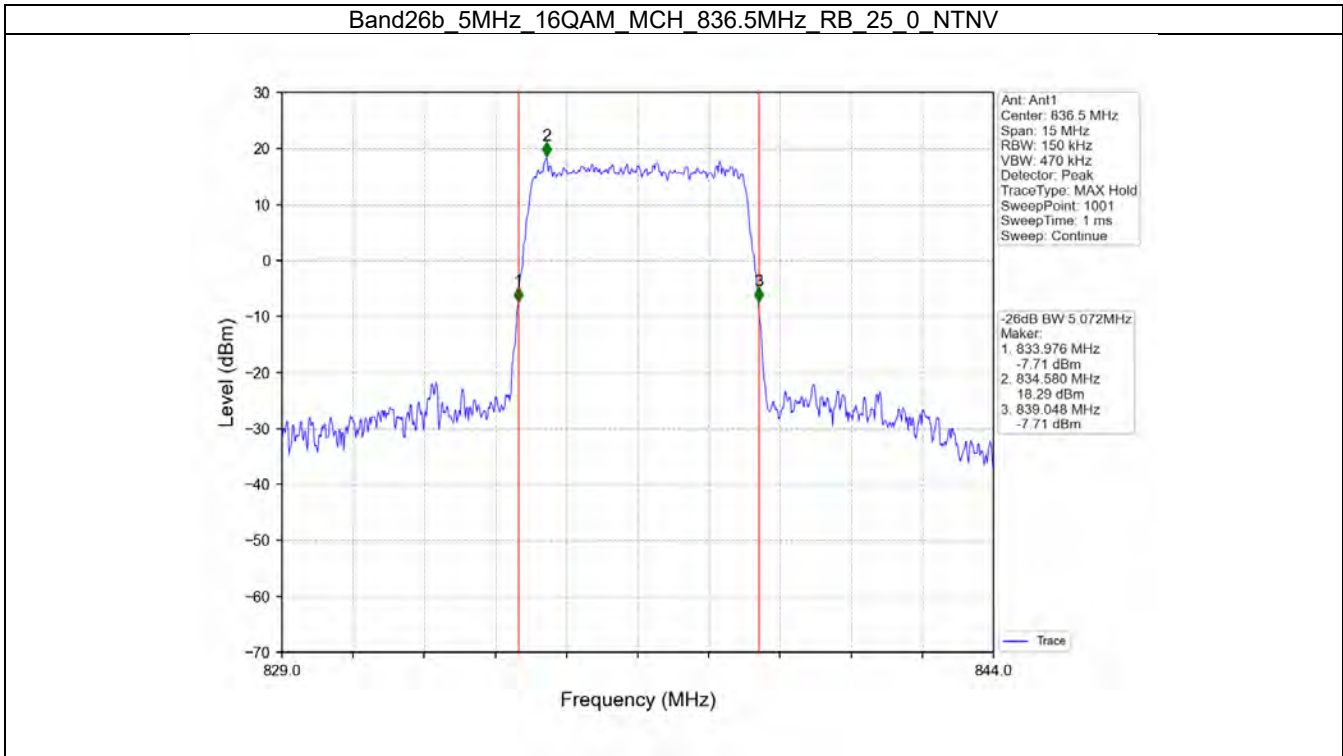
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

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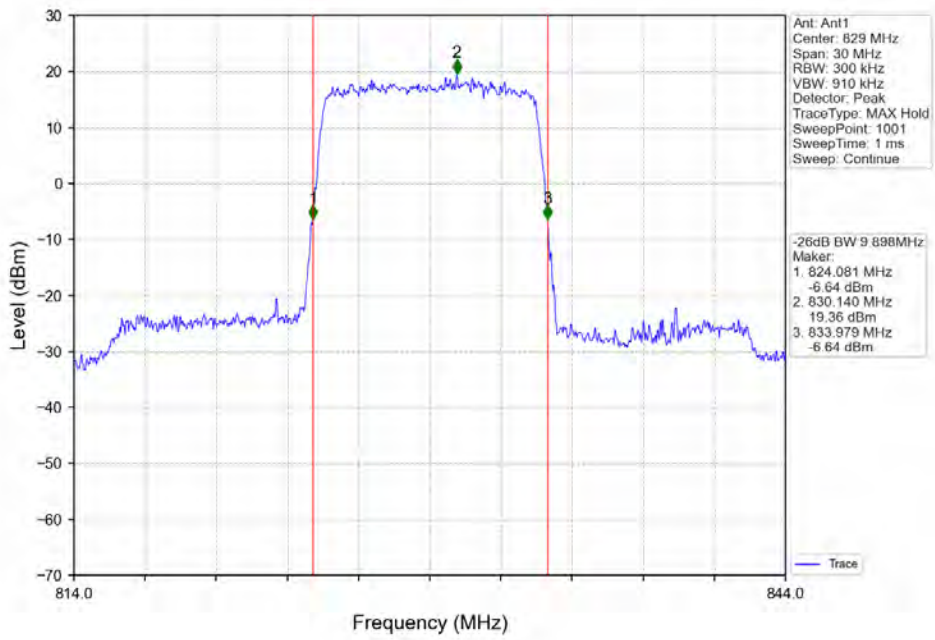
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



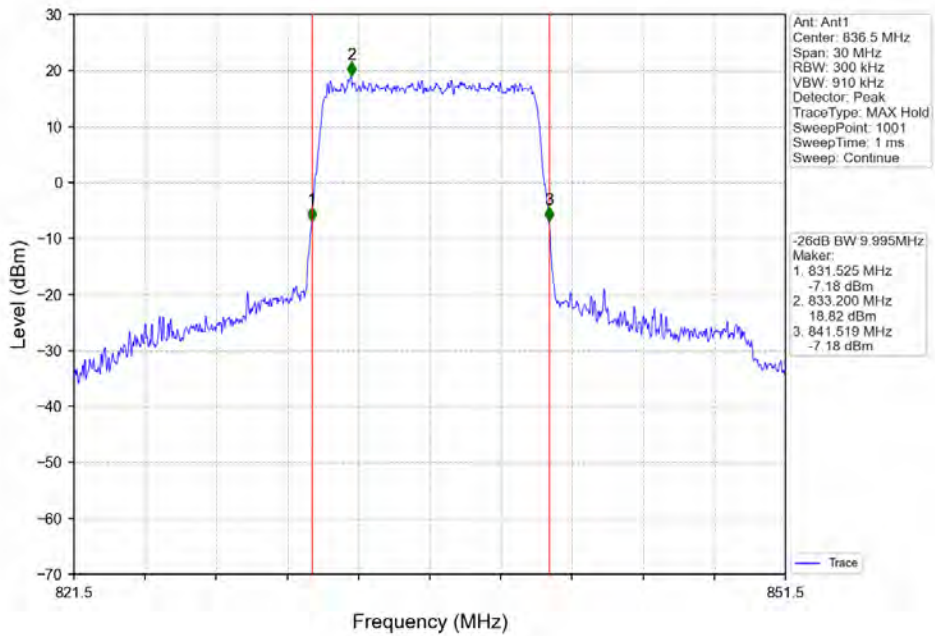


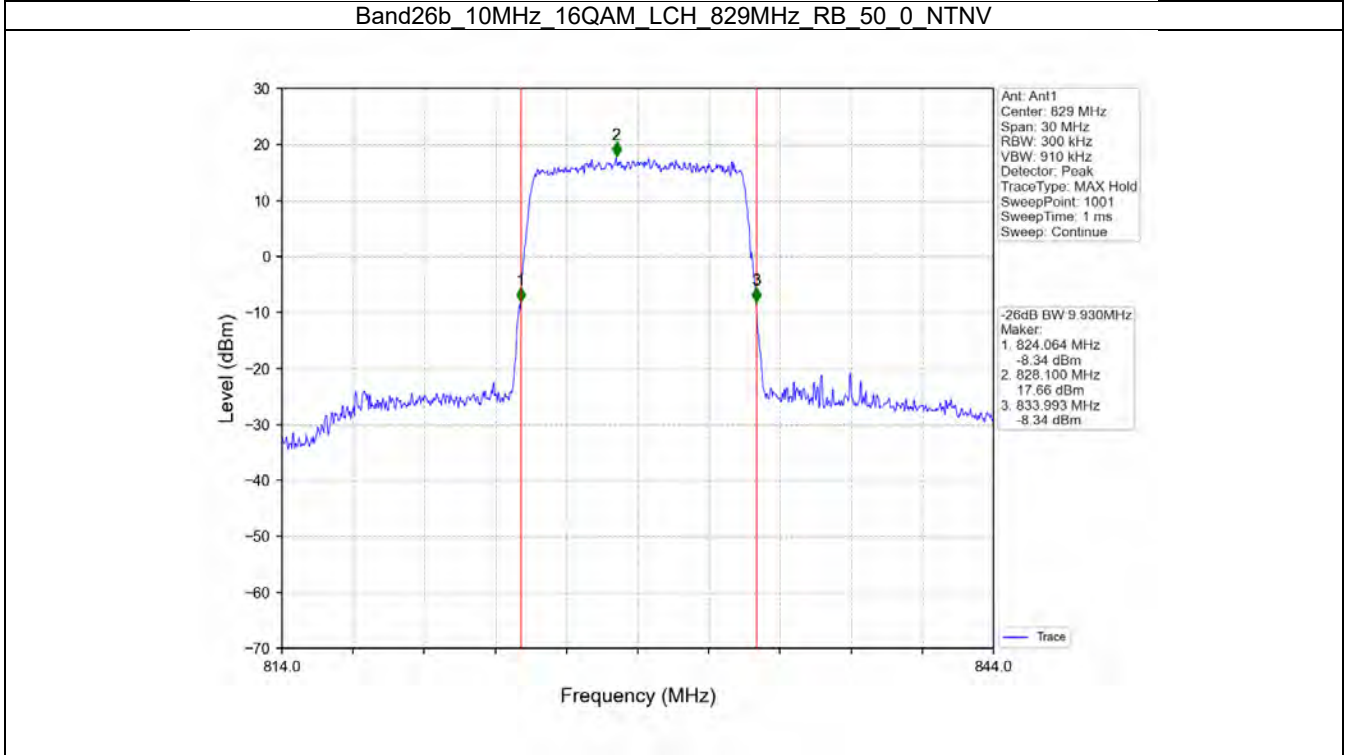
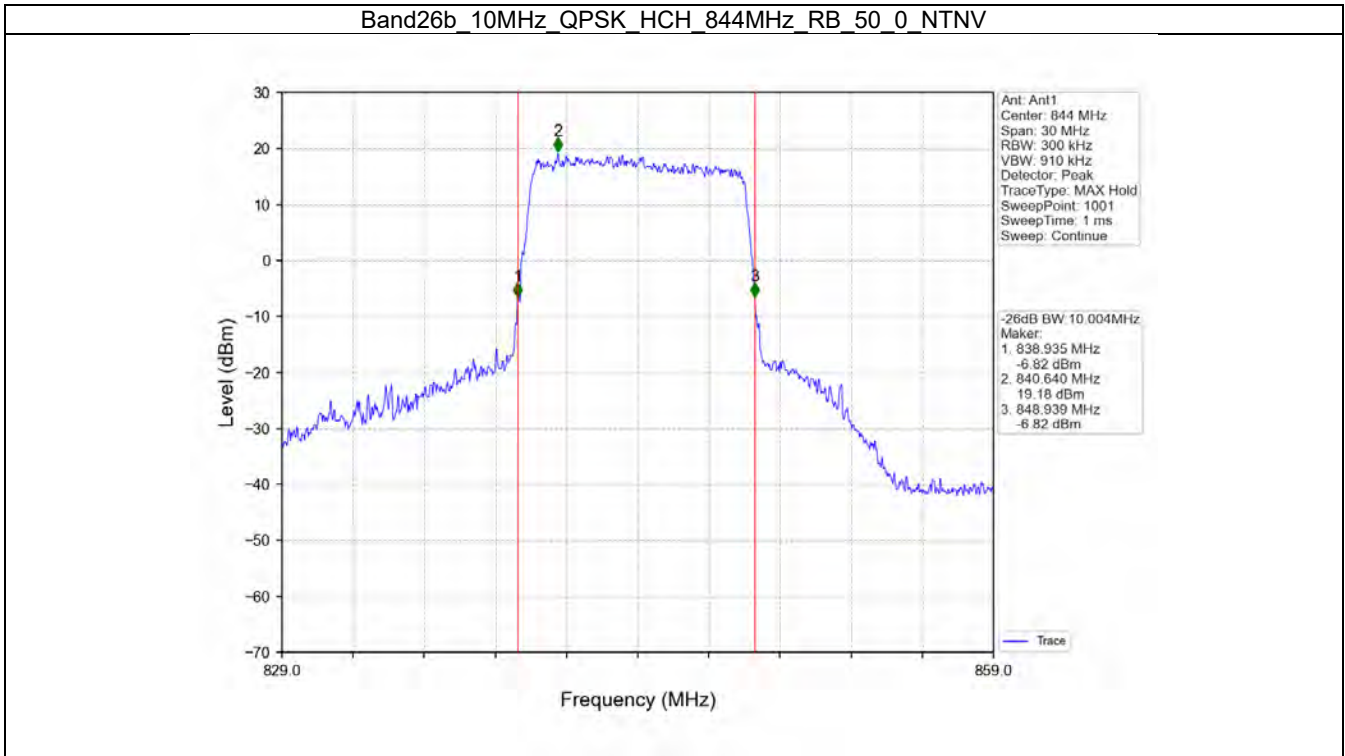


**Band26b\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV**



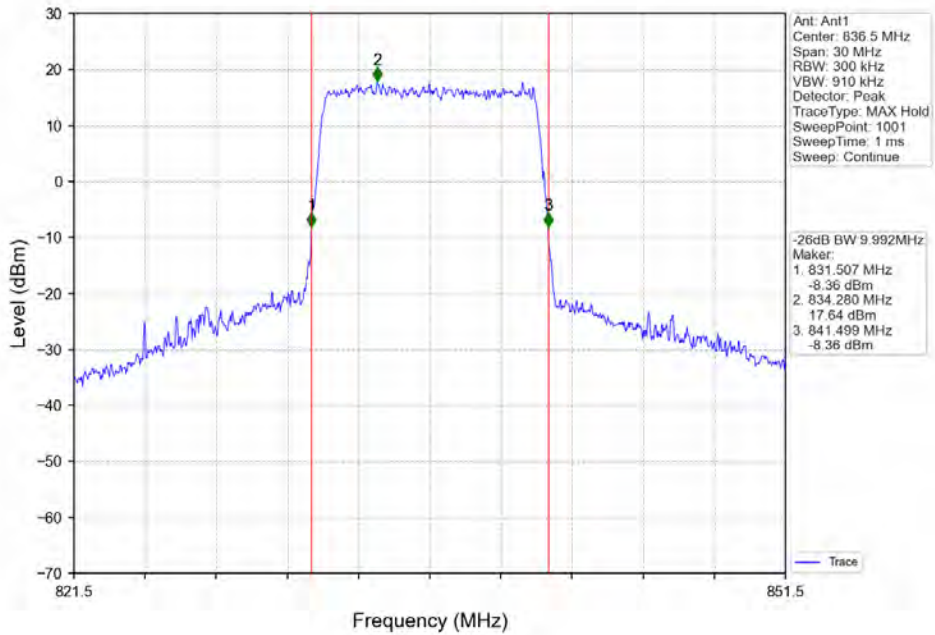
**Band26b\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV**



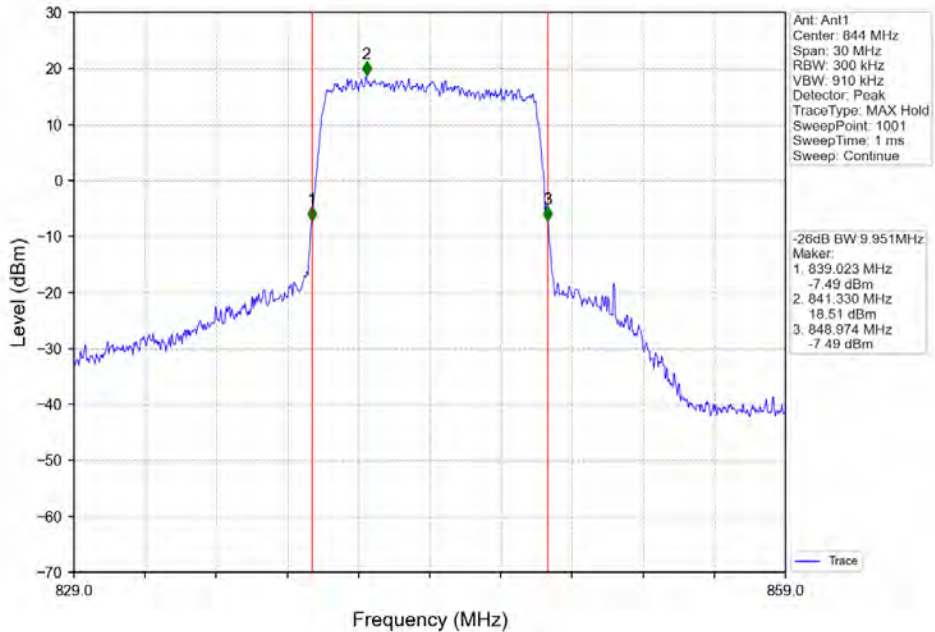




Band26b\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band26b\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



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