



**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF04

FCC TEST REPORT (PART 90)

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 90, Subpart R, S** ☒ **ANSI/TIA/EIA-603- D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

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

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Nov. 04, 2021	 Date: Nov. 04, 2021

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1. Frequency Stability

1.1 LTE Band 26

1.1.1 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	-0.560	0.140	4.210	-0.0007	0.0002	0.0051	-2.5 to 2.5	Pass
				4.0	-0.540	-4.380	5.180	-0.0007	-0.0053	0.0063	-2.5 to 2.5	Pass
				4.4	-3.050	-3.060	-1.390	-0.0037	-0.0037	-0.0017	-2.5 to 2.5	Pass
			-10	4.0	-3.090	-4.010	-0.230	-0.0038	-0.0049	-0.0003	-2.5 to 2.5	Pass
			0	4.0	-2.370	-3.590	-0.110	-0.0029	-0.0044	-0.0001	-2.5 to 2.5	Pass
			10	4.0	2.450	-1.950	-0.510	0.0030	-0.0024	-0.0006	-2.5 to 2.5	Pass
			30	4.0	1.130	1.340	-1.440	0.0014	0.0016	-0.0017	-2.5 to 2.5	Pass
			40	4.0	0.790	0.300	-1.730	0.0010	0.0004	-0.0021	-2.5 to 2.5	Pass
50	4.0	-2.200	-2.250	-4.080	-0.0027	-0.0027	-0.0050	-2.5 to 2.5	Pass			
16QAM	6	0	20	3.6	-3.990	-3.620	-2.100	-0.0049	-0.0044	-0.0026	-2.5 to 2.5	Pass
				4.0	-2.520	-4.980	2.470	-0.0031	-0.0061	0.0030	-2.5 to 2.5	Pass
				4.4	-1.060	0.560	-3.400	-0.0013	0.0007	-0.0038	-2.5 to 2.5	Pass
			-10	4.0	-5.400	-0.340	-0.060	-0.0063	-0.0004	-0.0001	-2.5 to 2.5	Pass
			0	4.0	-3.950	-0.940	2.570	-0.0048	-0.0011	0.0031	-2.5 to 2.5	Pass
			10	4.0	-4.760	1.990	-4.090	-0.0058	0.0024	-0.0050	-2.5 to 2.5	Pass
			30	4.0	-2.760	-3.620	-1.160	-0.0034	-0.0044	-0.0014	-2.5 to 2.5	Pass
			40	4.0	-2.270	1.320	-1.240	-0.0028	0.0016	-0.0015	-2.5 to 2.5	Pass
50	4.0	-1.970	-2.490	-0.770	-0.0024	-0.0030	-0.0009	-2.5 to 2.5	Pass			
64QAM	6	0	20	3.6	3.360	-1.850	0.840	0.0041	-0.0023	0.0010	-2.5 to 2.5	Pass
				4.0	-4.050	-0.730	-4.380	-0.0050	-0.0009	-0.0053	-2.5 to 2.5	Pass
				4.4	-0.700	-3.320	-3.230	-0.0009	-0.0041	-0.0039	-2.5 to 2.5	Pass
			-10	4.0	1.190	-1.570	-3.160	0.0015	-0.0019	-0.0038	-2.5 to 2.5	Pass
			0	4.0	1.070	1.230	-1.990	0.0013	0.0015	-0.0024	-2.5 to 2.5	Pass
			10	4.0	1.070	-4.730	-1.930	0.0013	-0.0058	-0.0023	-2.5 to 2.5	Pass
			30	4.0	-5.710	-3.330	-0.870	-0.0070	-0.0041	-0.0011	-2.5 to 2.5	Pass
			40	4.0	-3.480	0.510	-0.430	-0.0043	0.0006	-0.0005	-2.5 to 2.5	Pass
50	4.0	-1.890	-4.560	-2.030	-0.0023	-0.0056	-0.0025	-2.5 to 2.5	Pass			
Band: 26 / Bandwidth: 3MHz												
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	-4.630	-0.800	-3.920	-0.0057	-0.0010	-0.0048	-2.5 to 2.5	Pass
				4.0	1.500	-7.350	3.460	0.0018	-0.0090	0.0042	-2.5 to 2.5	Pass
				4.4	-3.450	-7.050	0.240	-0.0042	-0.0086	0.0003	-2.5 to 2.5	Pass
			-10	4.0	1.270	-7.940	2.190	0.0016	-0.0097	0.0027	-2.5 to 2.5	Pass
			0	4.0	-2.720	-6.040	-0.770	-0.0033	-0.0074	-0.0009	-2.5 to 2.5	Pass
			10	4.0	-3.180	-5.090	-2.430	-0.0039	-0.0062	-0.0030	-2.5 to 2.5	Pass
			30	4.0	1.900	-4.090	-4.890	0.0023	-0.0050	-0.0059	-2.5 to 2.5	Pass
			40	4.0	1.400	-2.720	-1.540	0.0017	-0.0033	-0.0019	-2.5 to 2.5	Pass
50	4.0	-0.400	-1.230	1.950	-0.0005	-0.0015	0.0024	-2.5 to 2.5	Pass			
16QAM	15	0	20	3.6	-1.330	1.190	2.750	-0.0016	0.0015	0.0033	-2.5 to 2.5	Pass
				4.0	3.190	-4.580	4.410	0.0039	-0.0056	0.0054	-2.5 to 2.5	Pass
				4.4	-2.430	-1.790	3.060	-0.0030	-0.0022	0.0037	-2.5 to 2.5	Pass
			-10	4.0	0.200	-6.150	-1.270	0.0002	-0.0075	-0.0015	-2.5 to 2.5	Pass
			0	4.0	-3.830	-6.480	1.800	-0.0047	-0.0079	0.0022	-2.5 to 2.5	Pass



			10	4.0	-4.210	-4.720	3.810	-0.0052	-0.0058	0.0046	-2.5 to 2.5	Pass
			30	4.0	-1.370	-3.720	2.860	-0.0017	-0.0045	0.0035	-2.5 to 2.5	Pass
			40	4.0	-0.110	-2.060	-3.330	-0.0001	-0.0025	-0.0040	-2.5 to 2.5	Pass
			50	4.0	0.160	-1.360	-2.920	0.0002	-0.0017	-0.0036	-2.5 to 2.5	Pass
64QAM	15	0	20	3.6	-0.170	-4.780	-1.930	-0.0002	-0.0058	-0.0023	-2.5 to 2.5	Pass
				4.0	0.360	-2.780	-4.400	0.0004	-0.0034	-0.0050	-2.5 to 2.5	Pass
				4.4	2.620	-1.670	2.820	0.0032	-0.0020	0.0034	-2.5 to 2.5	Pass
			-10	4.0	-2.230	-5.710	1.860	-0.0027	-0.0070	0.0023	-2.5 to 2.5	Pass
			0	4.0	1.040	0.800	0.540	0.0013	0.0010	0.0007	-2.5 to 2.5	Pass
			10	4.0	-3.260	-1.470	-0.740	-0.0040	-0.0018	-0.0009	-2.5 to 2.5	Pass
			30	4.0	1.240	-3.060	-0.010	0.0015	-0.0037	0.0000	-2.5 to 2.5	Pass
			40	4.0	0.970	-3.190	0.870	0.0040	-0.0039	0.0011	-2.5 to 2.5	Pass
			50	4.0	-0.200	-1.070	2.020	-0.0002	-0.0013	0.0025	-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	1.820	-6.550	-2.470	0.0022	-0.0080	-0.0030	-2.5 to 2.5	Pass
				4.0	3.090	-7.280	4.400	0.0038	-0.0089	0.0050	-2.5 to 2.5	Pass
				4.4	-1.170	-8.310	2.990	-0.0014	-0.0101	0.0036	-2.5 to 2.5	Pass
			-10	4.0	0.160	-6.590	1.950	0.0002	-0.0080	0.0024	-2.5 to 2.5	Pass
			0	4.0	2.300	-7.570	-1.900	0.0028	-0.0092	-0.0023	-2.5 to 2.5	Pass
			10	4.0	-0.570	-8.510	-0.940	-0.0007	-0.0104	-0.0011	-2.5 to 2.5	Pass
			30	4.0	-2.490	-8.630	0.570	-0.0030	-0.0105	0.0007	-2.5 to 2.5	Pass
			40	4.0	2.470	-6.900	1.540	0.0030	-0.0084	0.0019	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-1.500	0.270	-0.390	-0.0018	0.0003	-0.0005	-2.5 to 2.5	Pass
				4.0	2.800	-4.400	-3.520	0.0034	-0.0050	-0.0043	-2.5 to 2.5	Pass
				4.4	-0.160	1.330	-4.690	-0.0002	0.0016	-0.0057	-2.5 to 2.5	Pass
			-10	4.0	-5.190	0.790	-3.790	-0.0064	0.0010	-0.0046	-2.5 to 2.5	Pass
			0	4.0	-1.830	-0.190	-4.730	-0.0022	-0.0002	-0.0058	-2.5 to 2.5	Pass
			10	4.0	-0.790	-0.770	-3.590	-0.0010	-0.0009	-0.0044	-2.5 to 2.5	Pass
			30	4.0	-1.600	-0.390	-3.860	-0.0020	-0.0005	-0.0047	-2.5 to 2.5	Pass
			40	4.0	-0.030	-2.020	-5.440	0.0000	-0.0025	-0.0066	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
				4.0	3.890	-0.130	-1.170	0.0048	-0.0002	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
			0	4.0	-2.060	-1.330	0.670	-0.0025	-0.0016	0.0008	-2.5 to 2.5	Pass
			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
				4.0	3.890	-0.130	-1.170	0.0048	-0.0002	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
			0	4.0	-2.060	-1.330	0.670	-0.0025	-0.0016	0.0008	-2.5 to 2.5	Pass
			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
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				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
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			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
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			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
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			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
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				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
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			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
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			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
				4.0	3.890	-0.130	-1.170	0.0048	-0.0002	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
			0	4.0	-2.060	-1.330	0.670	-0.0025	-0.0016	0.0008	-2.5 to 2.5	Pass
			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
				4.0	3.890	-0.130	-1.170	0.0048	-0.0002	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
			0	4.0	-2.060	-1.330	0.670	-0.0025	-0.0016	0.0008	-2.5 to 2.5	Pass
			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008	0.0005	-2.5 to 2.5	Pass
				4.0	3.890	-0.130	-1.170	0.0048	-0.0002	-0.0014	-2.5 to 2.5	Pass
				4.4	-0.390	-0.620	-4.460	-0.0005	-0.0008	-0.0054	-2.5 to 2.5	Pass
			-10	4.0	-3.150	-1.990	3.300	-0.0039	-0.0024	0.0040	-2.5 to 2.5	Pass
			0	4.0	-2.060	-1.330	0.670	-0.0025	-0.0016	0.0008	-2.5 to 2.5	Pass
			10	4.0	1.440	-3.150	-1.900	0.0018	-0.0038	-0.0023	-2.5 to 2.5	Pass
			30	4.0	0.620	-4.590	-3.420	0.0008	-0.0056	-0.0042	-2.5 to 2.5	Pass
			40	4.0	0.860	-4.810	-4.620	0.0011	-0.0059	-0.0056	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	-0.490	-0.640	0.400	-0.0006	-0.0008			



			50	4.0	-4.400	-0.170	-5.090	-0.0050	-0.0002	-0.0062	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	-3.650	-3.680	0.870	-0.0045	-0.0045	0.0011	-2.5 to 2.5	Pass
				4.0	-2.680	-1.140	-5.020	-0.0033	-0.0014	-0.0061	-2.5 to 2.5	Pass
				4.4	-2.790	-4.960	-3.550	-0.0034	-0.0061	-0.0043	-2.5 to 2.5	Pass
			-10	4.0	-2.420	-4.190	-1.960	-0.0030	-0.0051	-0.0024	-2.5 to 2.5	Pass
			0	4.0	-2.220	-3.160	-0.620	-0.0027	-0.0039	-0.0008	-2.5 to 2.5	Pass
			10	4.0	-1.620	-2.230	-6.590	-0.0020	-0.0027	-0.0080	-2.5 to 2.5	Pass
			30	4.0	-2.230	-6.370	-7.070	-0.0027	-0.0078	-0.0086	-2.5 to 2.5	Pass
			40	4.0	-2.720	-7.310	-6.780	-0.0033	-0.0089	-0.0083	-2.5 to 2.5	Pass
			50	4.0	-2.800	-5.460	-4.580	-0.0034	-0.0067	-0.0056	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	-3.390	-4.220	-2.130	-0.0041	-0.0052	-0.0026	-2.5 to 2.5	Pass
				4.0	-3.400	-7.320	-3.460	-0.0038	-0.0089	-0.0042	-2.5 to 2.5	Pass
				4.4	-4.010	-0.130	-4.180	-0.0049	-0.0002	-0.0051	-2.5 to 2.5	Pass
			-10	4.0	-3.530	-2.330	-5.350	-0.0043	-0.0028	-0.0065	-2.5 to 2.5	Pass
			0	4.0	-4.160	-4.480	-7.320	-0.0051	-0.0055	-0.0089	-2.5 to 2.5	Pass
			10	4.0	-6.440	-6.640	-3.300	-0.0079	-0.0081	-0.0040	-2.5 to 2.5	Pass
			30	4.0	-7.270	-5.320	1.340	-0.0089	-0.0065	0.0016	-2.5 to 2.5	Pass
			40	4.0	-5.680	-4.480	1.040	-0.0069	-0.0055	0.0013	-2.5 to 2.5	Pass
			50	4.0	-4.400	-6.220	-1.470	-0.0050	-0.0076	-0.0018	-2.5 to 2.5	Pass

1.2 LTE Band 14

1.2.1 Test Result

Band: 14 / 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	2.020	-3.200	-0.370	0.0026	-0.0040	-0.0005	-2.5 to 2.5	Pass
				4.0	2.200	-1.750	0.190	0.0028	-0.0022	0.0002	-2.5 to 2.5	Pass
				4.4	0.960	-2.430	-0.210	0.0040	-0.0031	-0.0003	-2.5 to 2.5	Pass
			-10	4.0	0.370	-0.560	-1.020	0.0005	-0.0007	-0.0013	-2.5 to 2.5	Pass
			0	4.0	0.830	-0.730	-0.330	0.0010	-0.0009	-0.0004	-2.5 to 2.5	Pass
			10	4.0	0.440	-1.860	-1.060	0.0006	-0.0023	-0.0013	-2.5 to 2.5	Pass
			30	4.0	1.000	-2.230	-0.100	0.0013	-0.0028	-0.0001	-2.5 to 2.5	Pass
			40	4.0	0.890	-2.760	-1.690	0.0011	-0.0035	-0.0021	-2.5 to 2.5	Pass
			50	4.0	-0.100	-2.800	-1.920	-0.0001	-0.0035	-0.0024	-2.5 to 2.5	Pass
16QAM	25	0	20	3.6	-1.190	-2.880	0.090	-0.0015	-0.0036	0.0001	-2.5 to 2.5	Pass
				4.0	-2.030	-2.650	-1.430	-0.0026	-0.0033	-0.0018	-2.5 to 2.5	Pass
				4.4	-3.950	-1.290	-1.230	-0.0050	-0.0016	-0.0015	-2.5 to 2.5	Pass
			-10	4.0	-2.830	-0.210	-1.730	-0.0036	-0.0003	-0.0022	-2.5 to 2.5	Pass
			0	4.0	-3.220	0.140	-1.260	-0.0041	0.0002	-0.0016	-2.5 to 2.5	Pass
			10	4.0	-2.450	0.830	-2.460	-0.0031	0.0010	-0.0031	-2.5 to 2.5	Pass
			30	4.0	-1.990	-0.630	-2.130	-0.0025	-0.0008	-0.0027	-2.5 to 2.5	Pass
			40	4.0	-2.130	-1.390	-2.750	-0.0027	-0.0018	-0.0035	-2.5 to 2.5	Pass
			50	4.0	-1.830	-2.170	-1.420	-0.0023	-0.0027	-0.0018	-2.5 to 2.5	Pass
64QAM	25	0	20	3.6	0.770	-2.000	0.920	0.0010	-0.0025	0.0040	-2.5 to 2.5	Pass
				4.0	2.020	-1.950	-0.940	0.0026	-0.0025	-0.0040	-2.5 to 2.5	Pass
				4.4	0.840	0.560	-1.520	0.0011	0.0007	-0.0019	-2.5 to 2.5	Pass
			-10	4.0	1.400	-0.770	-0.640	0.0014	-0.0010	-0.0008	-2.5 to 2.5	Pass
			0	4.0	0.670	0.900	-0.930	0.0008	0.0011	-0.0040	-2.5 to 2.5	Pass
			10	4.0	1.800	1.190	-0.660	0.0023	0.0015	-0.0008	-2.5 to 2.5	Pass
			30	4.0	-0.500	0.720	-0.090	-0.0006	0.0009	-0.0001	-2.5 to 2.5	Pass



			40	4.0	-0.460	-0.860	1.360	-0.0006	-0.0011	0.0017	-2.5 to 2.5	Pass
			50	4.0	-0.860	0.300	0.560	-0.0011	0.0004	0.0007	-2.5 to 2.5	Pass
Band: 14 / 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	/	-0.570	/	/	-0.0007	/	-2.5 to 2.5	Pass
				4.0	/	-0.010	/	/	0.0000	/	-2.5 to 2.5	Pass
				4.4	/	0.340	/	/	0.0004	/	-2.5 to 2.5	Pass
			-10	4.0	/	0.470	/	/	0.0006	/	-2.5 to 2.5	Pass
			0	4.0	/	-0.030	/	/	0.0000	/	-2.5 to 2.5	Pass
			10	4.0	/	0.210	/	/	0.0003	/	-2.5 to 2.5	Pass
			30	4.0	/	-0.500	/	/	-0.0006	/	-2.5 to 2.5	Pass
			40	4.0	/	-0.740	/	/	-0.0009	/	-2.5 to 2.5	Pass
			50	4.0	/	0.500	/	/	0.0006	/	-2.5 to 2.5	Pass
16QAM	50	0	20	3.6	/	1.070	/	/	0.0013	/	-2.5 to 2.5	Pass
				4.0	/	0.290	/	/	0.0004	/	-2.5 to 2.5	Pass
				4.4	/	-0.160	/	/	-0.0002	/	-2.5 to 2.5	Pass
			-10	4.0	/	0.590	/	/	0.0007	/	-2.5 to 2.5	Pass
			0	4.0	/	0.560	/	/	0.0007	/	-2.5 to 2.5	Pass
			10	4.0	/	1.540	/	/	0.0019	/	-2.5 to 2.5	Pass
			30	4.0	/	0.160	/	/	0.0002	/	-2.5 to 2.5	Pass
			40	4.0	/	0.100	/	/	0.0001	/	-2.5 to 2.5	Pass
			50	4.0	/	-0.820	/	/	-0.0010	/	-2.5 to 2.5	Pass
64QAM	50	0	20	3.6	/	-0.160	/	/	-0.0002	/	-2.5 to 2.5	Pass
				4.0	/	-1.470	/	/	-0.0019	/	-2.5 to 2.5	Pass
				4.4	/	-0.100	/	/	-0.0001	/	-2.5 to 2.5	Pass
			-10	4.0	/	0.090	/	/	0.0001	/	-2.5 to 2.5	Pass
			0	4.0	/	0.130	/	/	0.0002	/	-2.5 to 2.5	Pass
			10	4.0	/	1.570	/	/	0.0020	/	-2.5 to 2.5	Pass
			30	4.0	/	0.100	/	/	0.0001	/	-2.5 to 2.5	Pass
			40	4.0	/	-0.790	/	/	-0.0010	/	-2.5 to 2.5	Pass
			50	4.0	/	-0.140	/	/	-0.0002	/	-2.5 to 2.5	Pass



2. 99% & 26dB Bandwidth

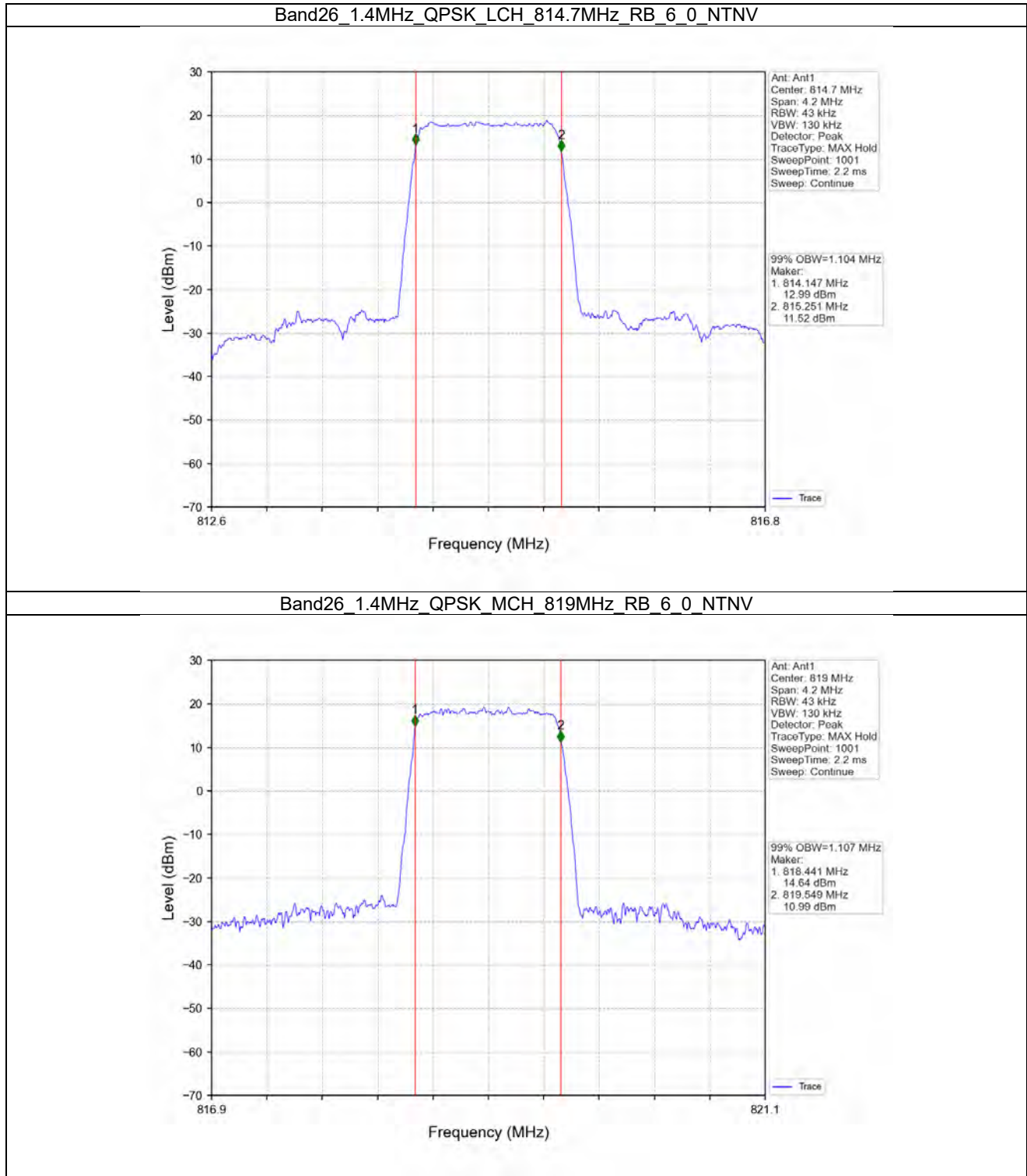
2.1 Band26_OBW

2.1.1 Test Result

Band: 26 / NTNV								
Bandwidth (MHz)	Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
		Size	Offset	LCH	MCH	HCH		
1.4	QPSK	6	0	1.104	1.107	1.107	/	Pass
	16QAM	6	0	1.108	1.103	1.096	/	Pass
	64QAM	6	0	1.100	1.110	1.104	/	Pass
3	QPSK	15	0	2.740	2.749	2.737	/	Pass
	16QAM	15	0	2.743	2.737	2.737	/	Pass
	64QAM	15	0	2.731	2.734	2.741	/	Pass
5	QPSK	25	0	4.544	4.540	4.562	/	Pass
	16QAM	25	0	4.548	4.558	4.541	/	Pass
	64QAM	25	0	4.555	4.560	4.542	/	Pass
10	QPSK	50	0	9.039	9.074	9.046	/	Pass
	16QAM	50	0	9.050	9.033	9.036	/	Pass
	64QAM	50	0	9.040	9.040	9.071	/	Pass

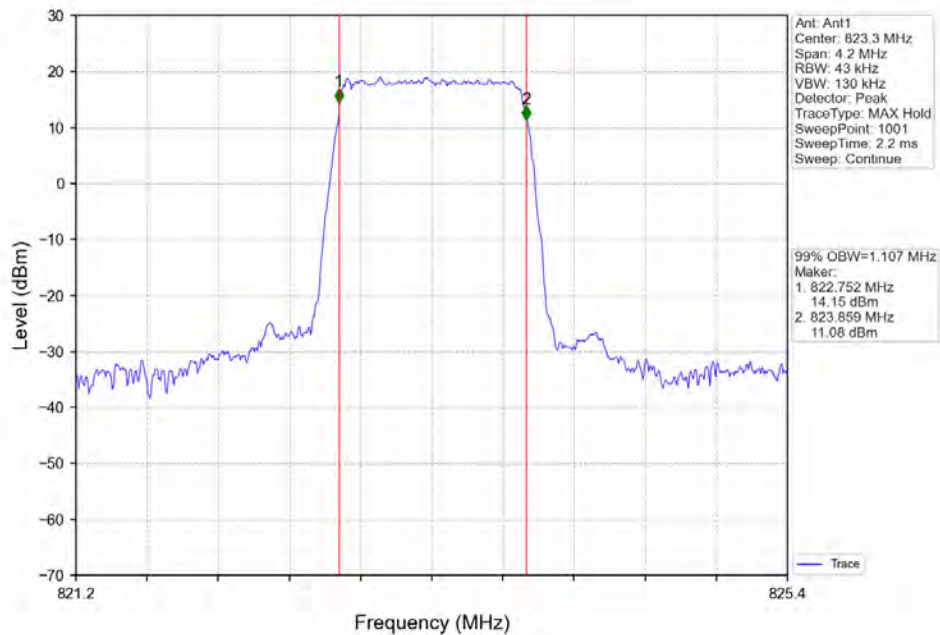


2.1.2 Test Graph

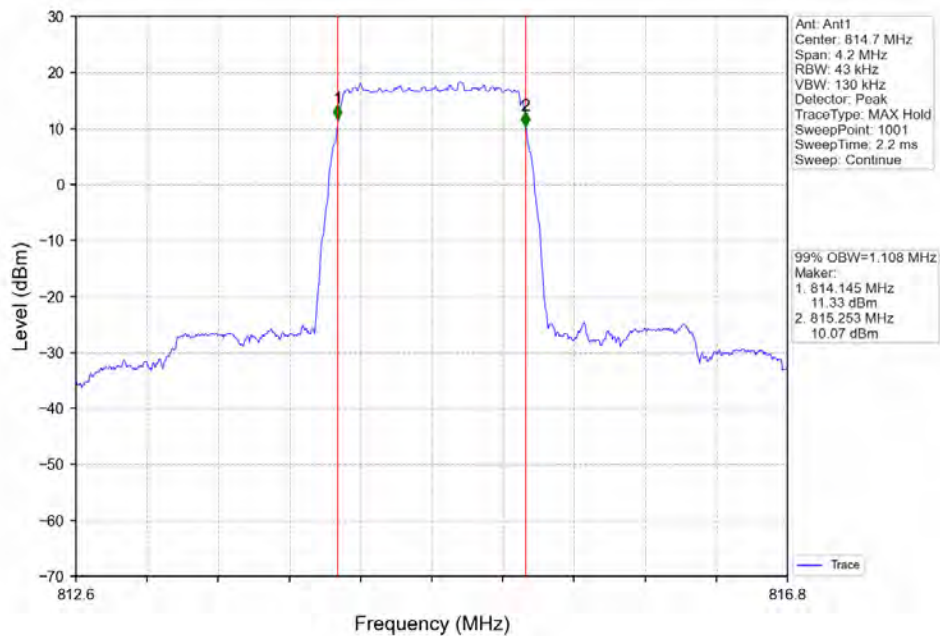




Band26_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

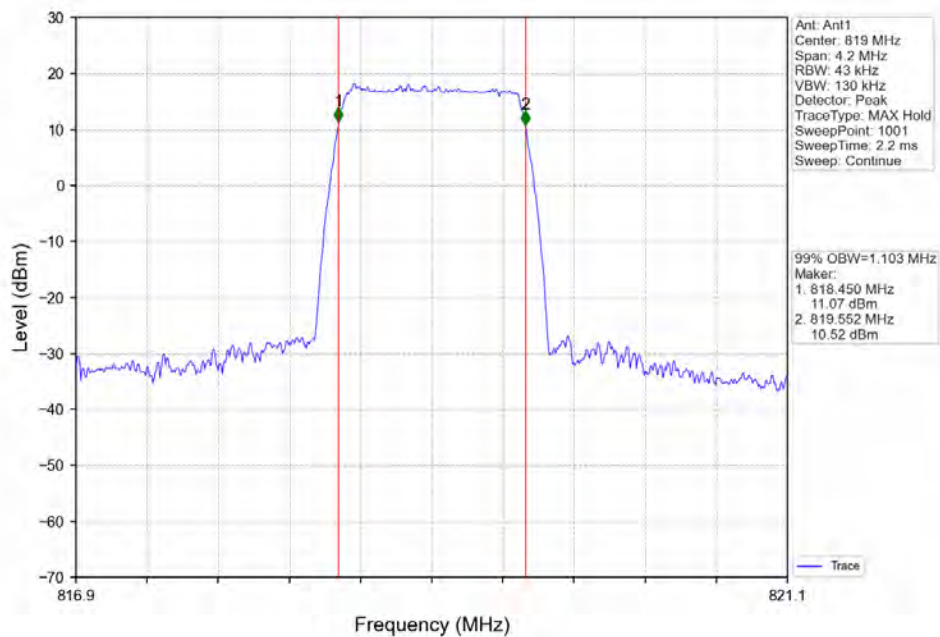


Band26_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV

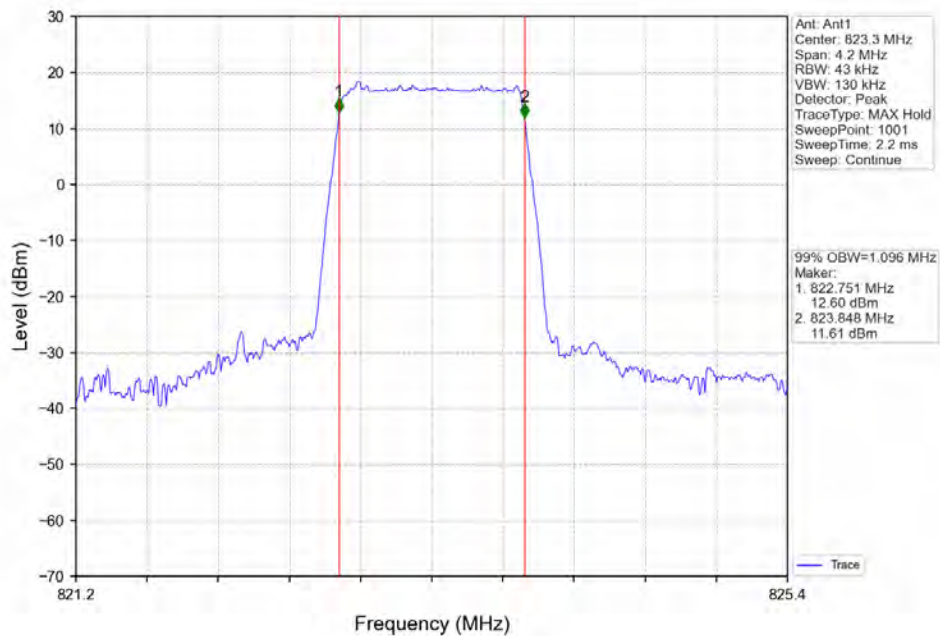




Band26_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

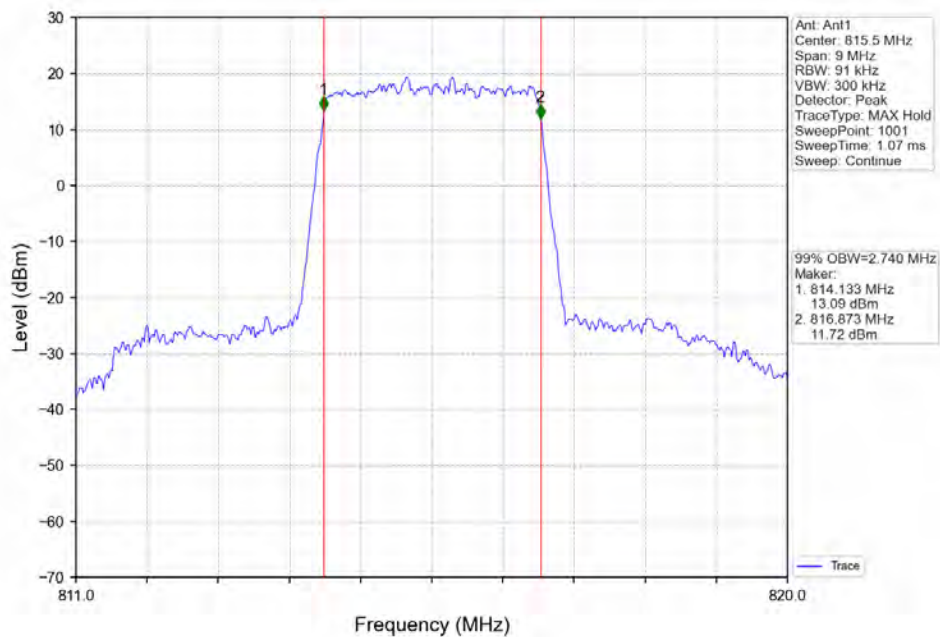


Band26_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV

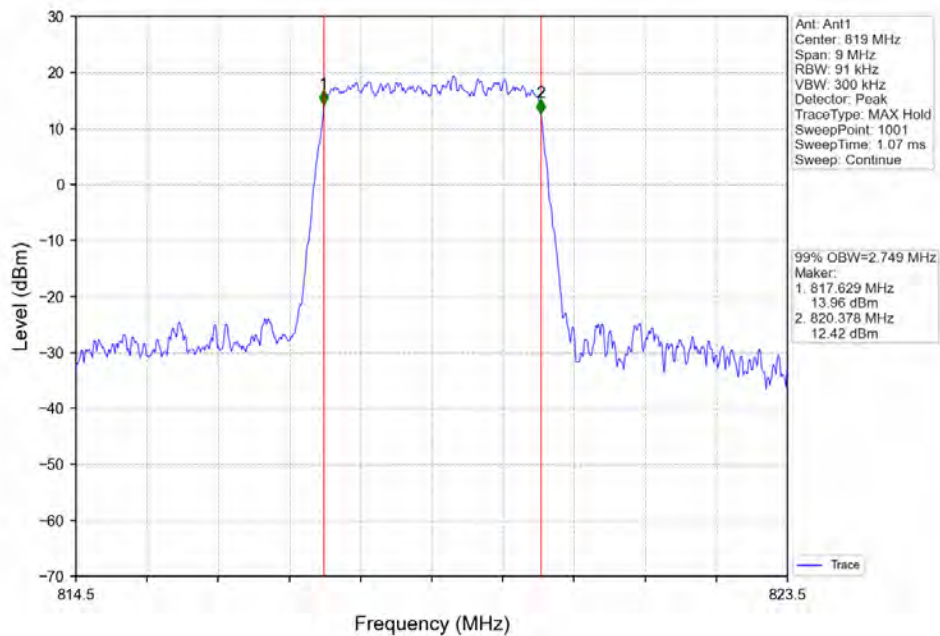




Band26_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

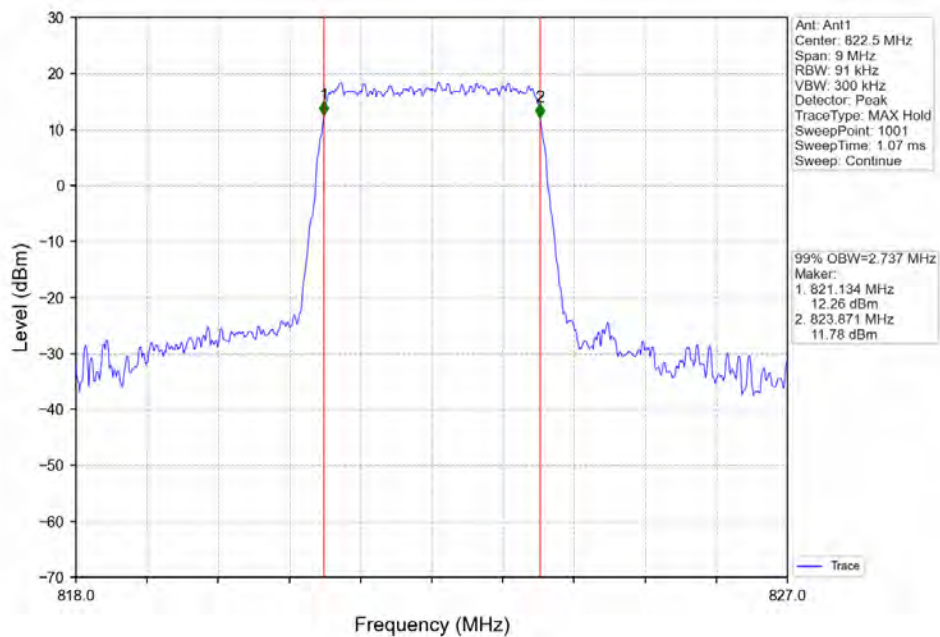


Band26_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV

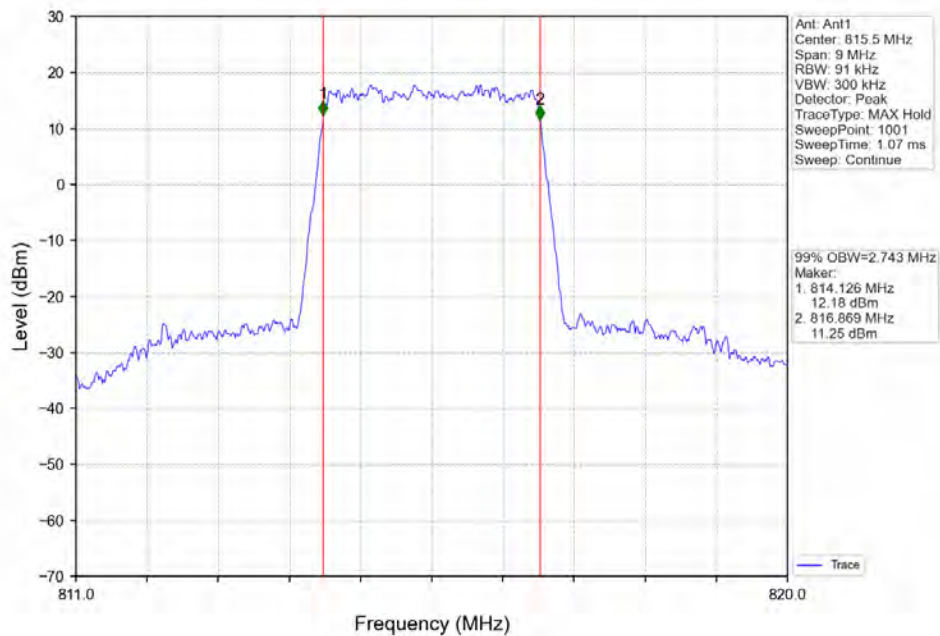




Band26_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV

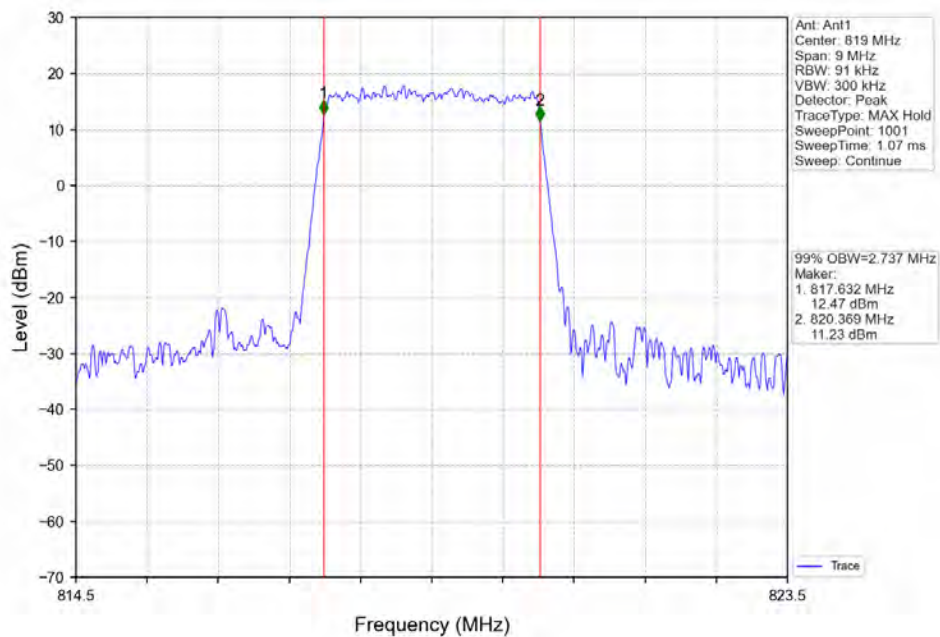


Band26_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV

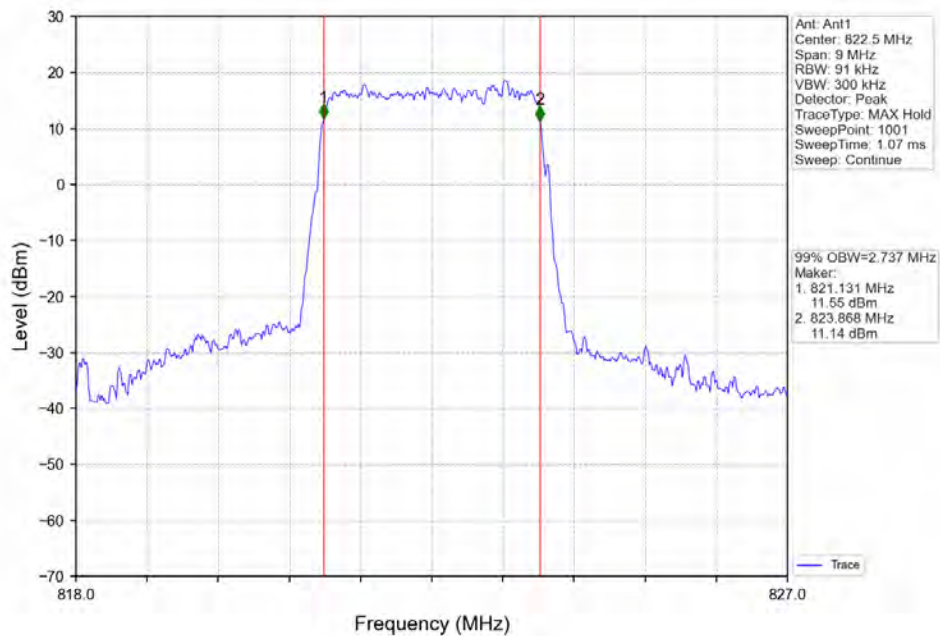




Band26_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV

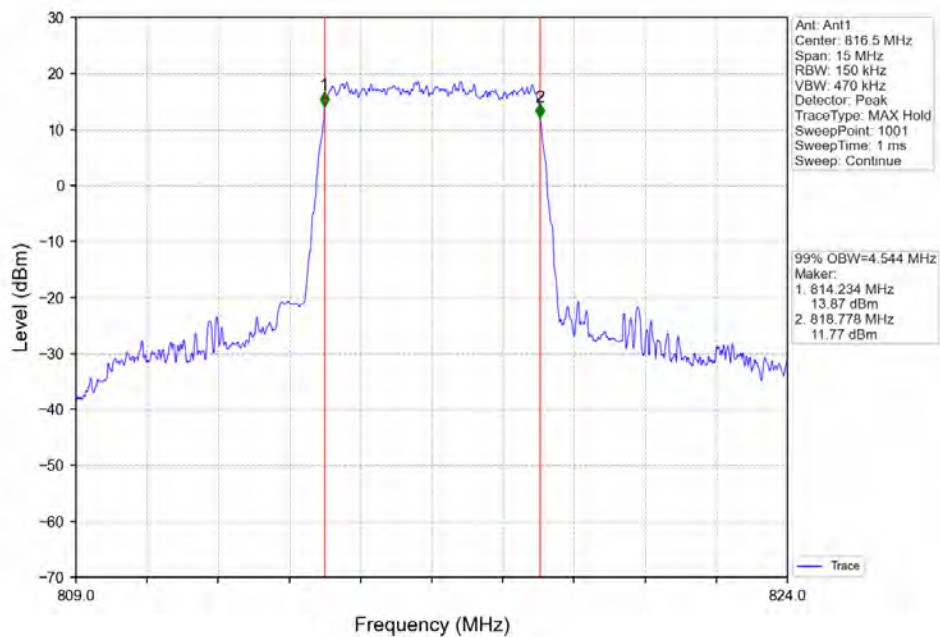


Band26_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

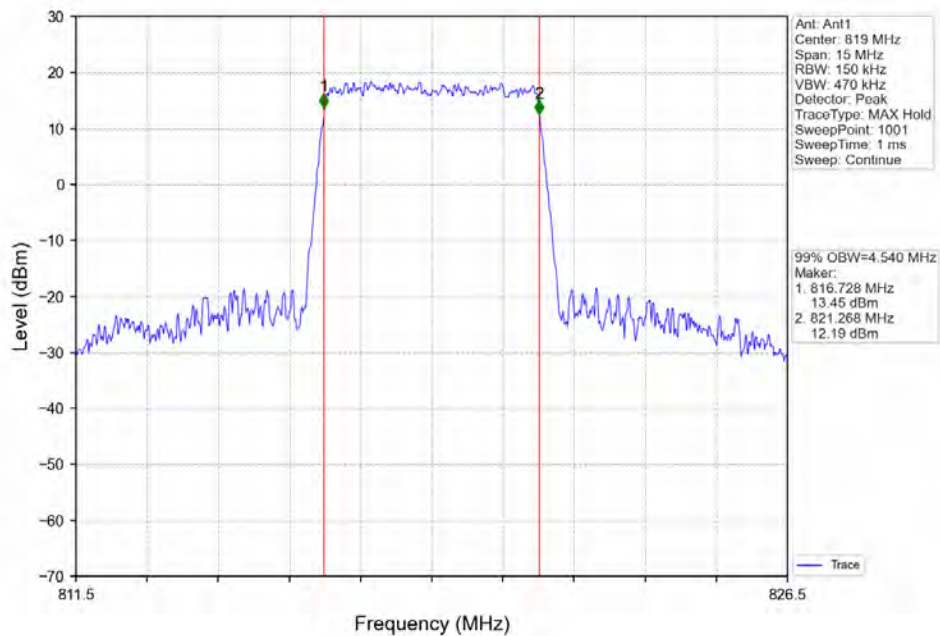




Band26_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

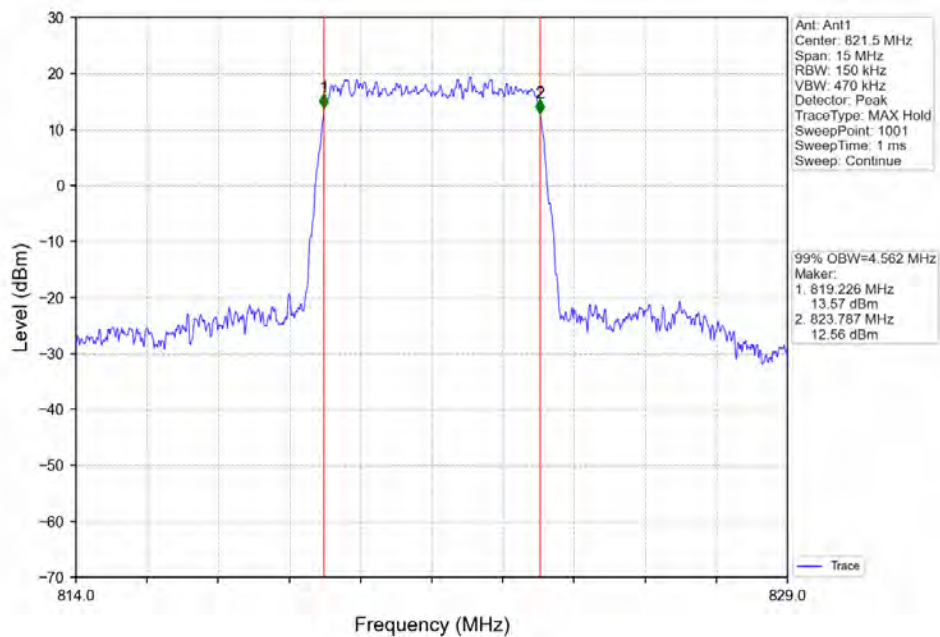


Band26_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

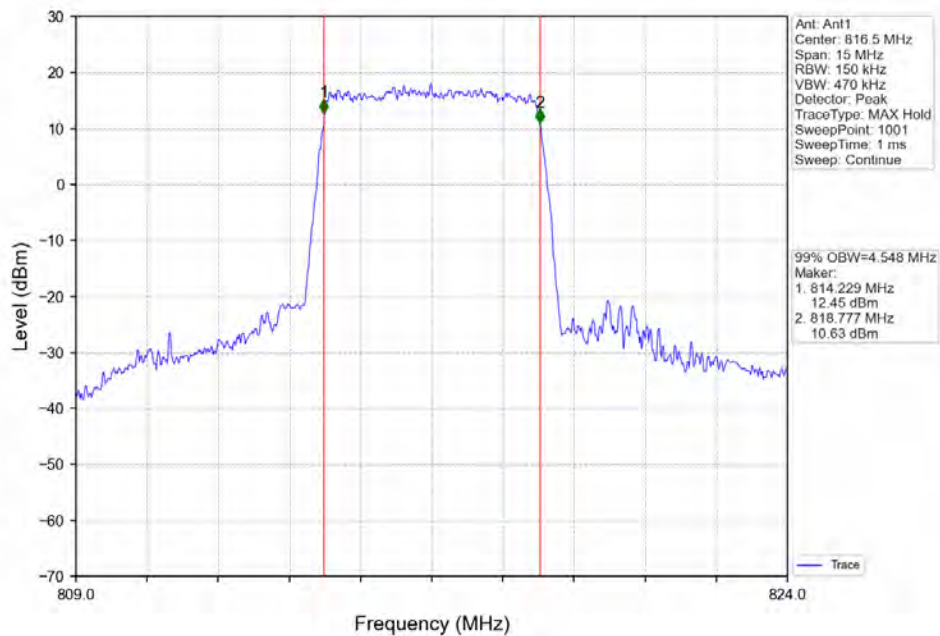




Band26_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

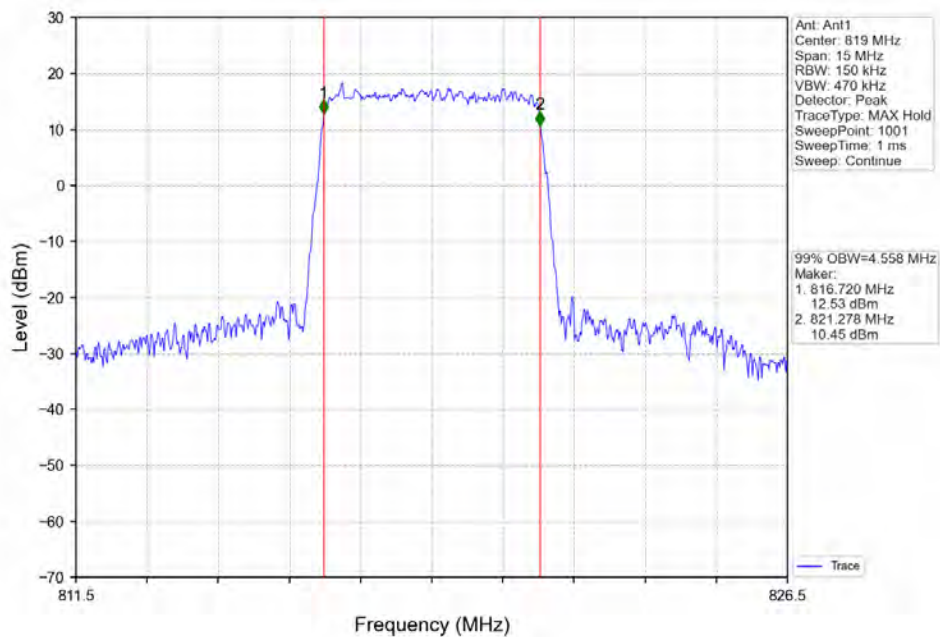


Band26_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV

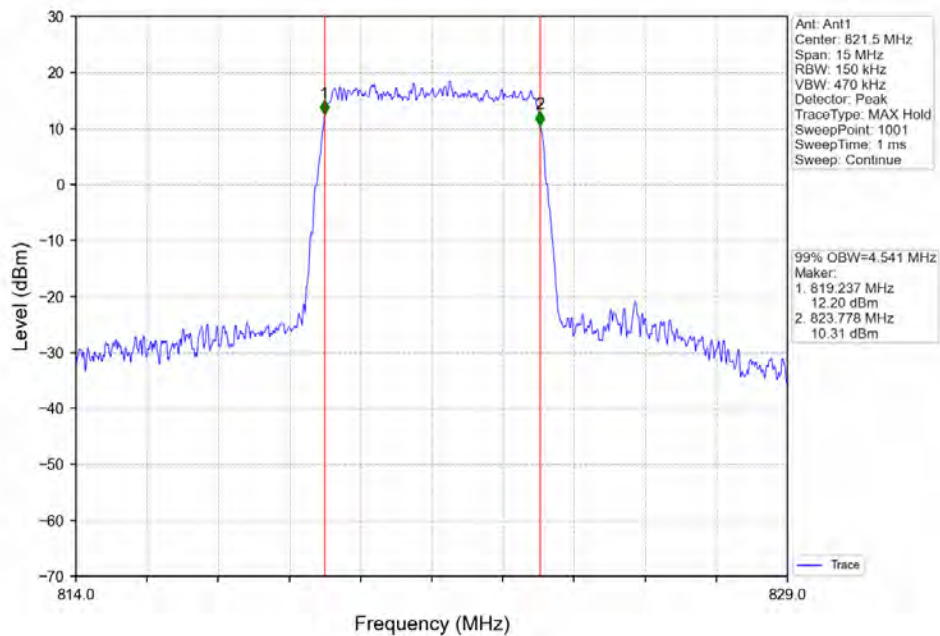




Band26_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

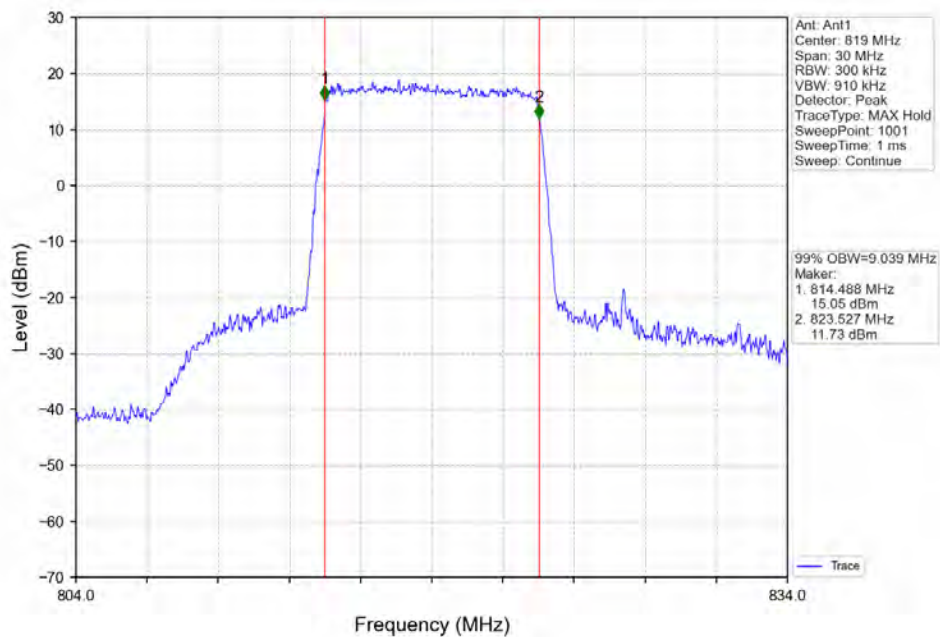


Band26_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV

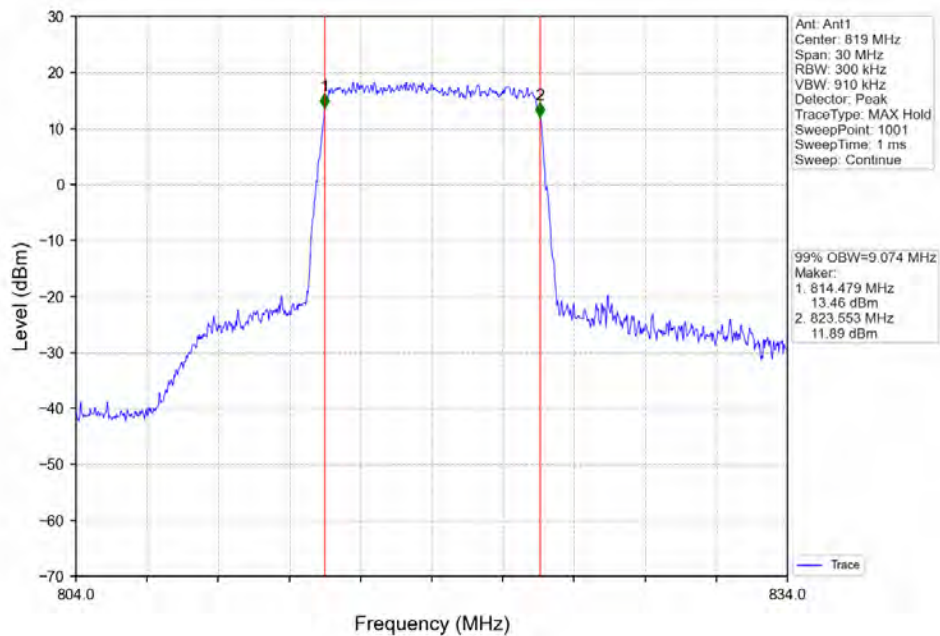




Band26_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV

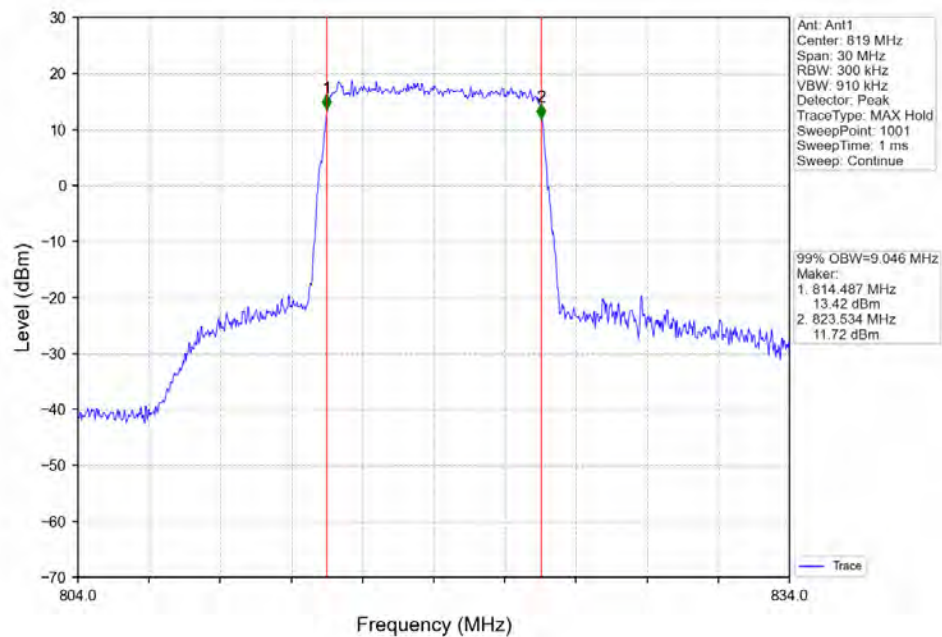


Band26_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

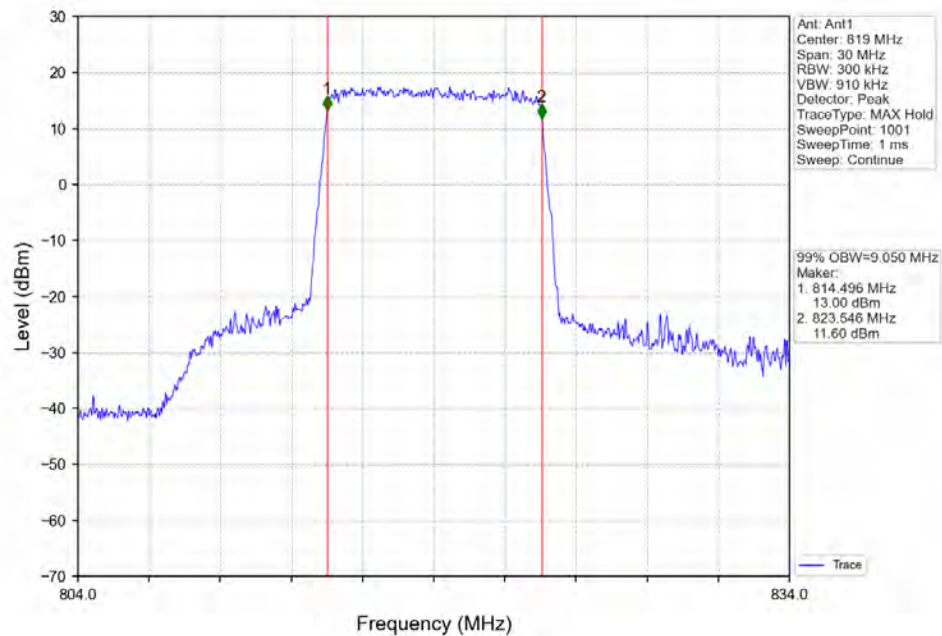




Band26_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV

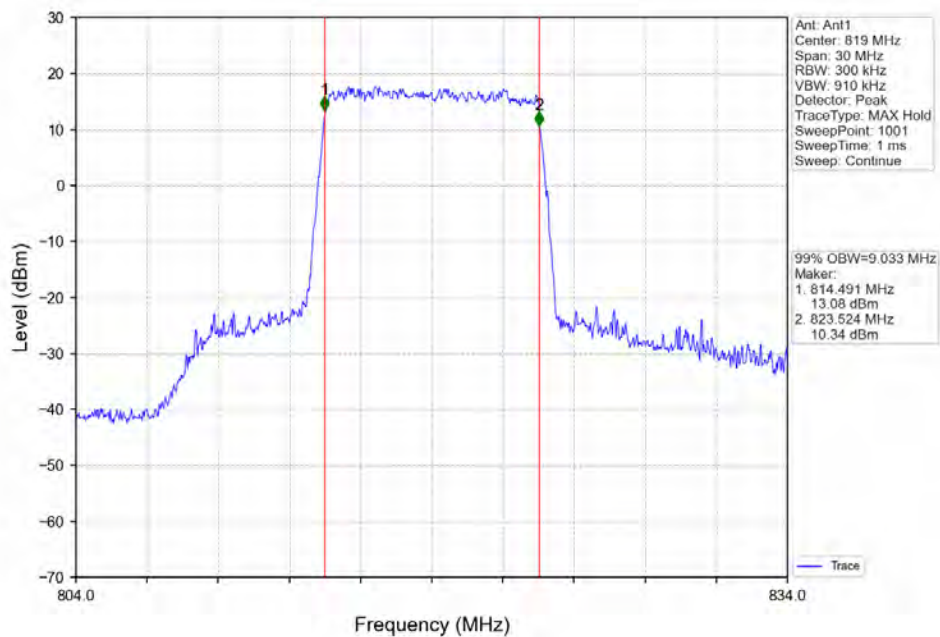


Band26_10MHz_16QAM_LCH_819MHz_RB_50_0_NTNV

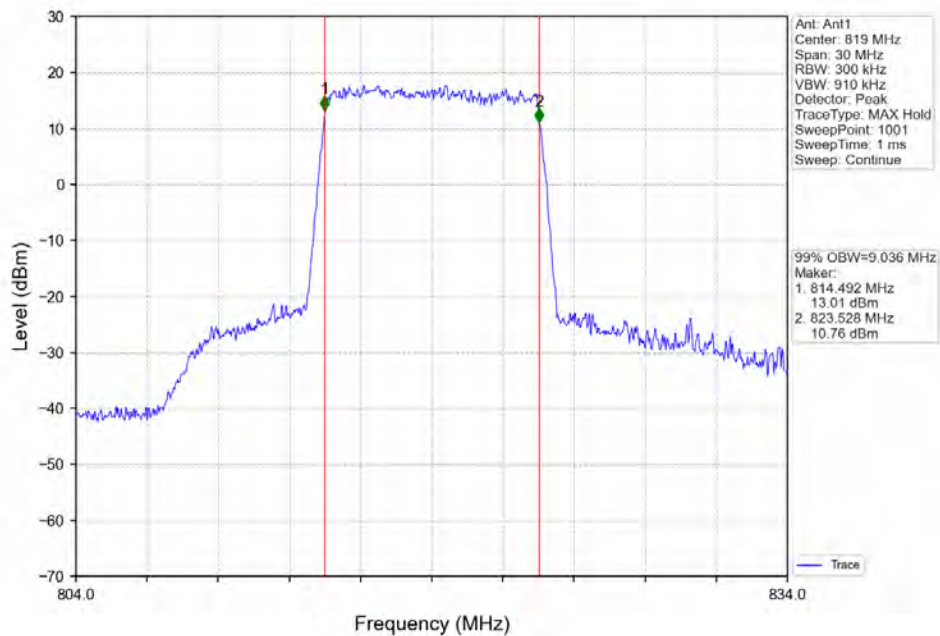




Band26_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV

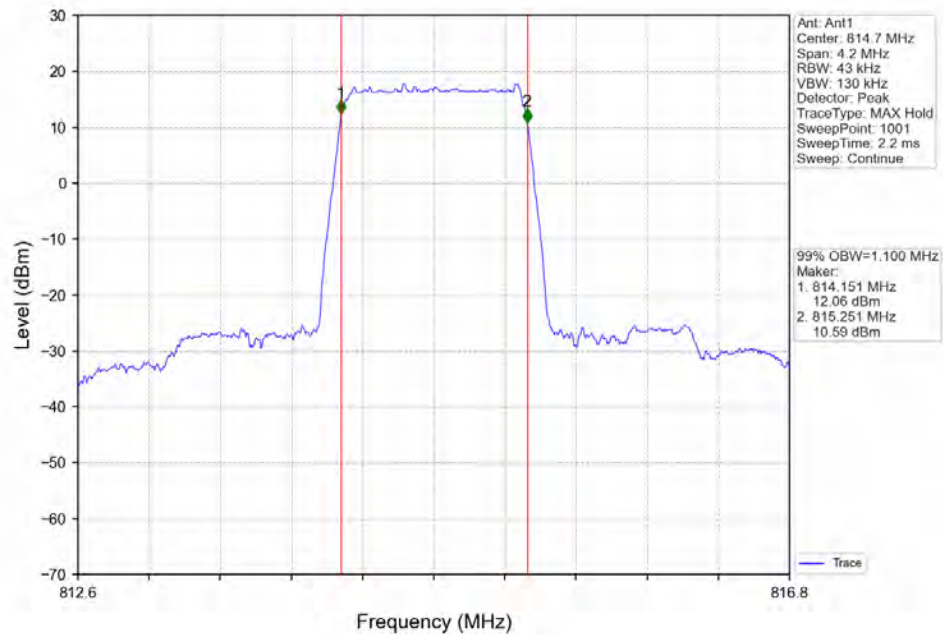


Band26_10MHz_16QAM_HCH_819MHz_RB_50_0_NTNV

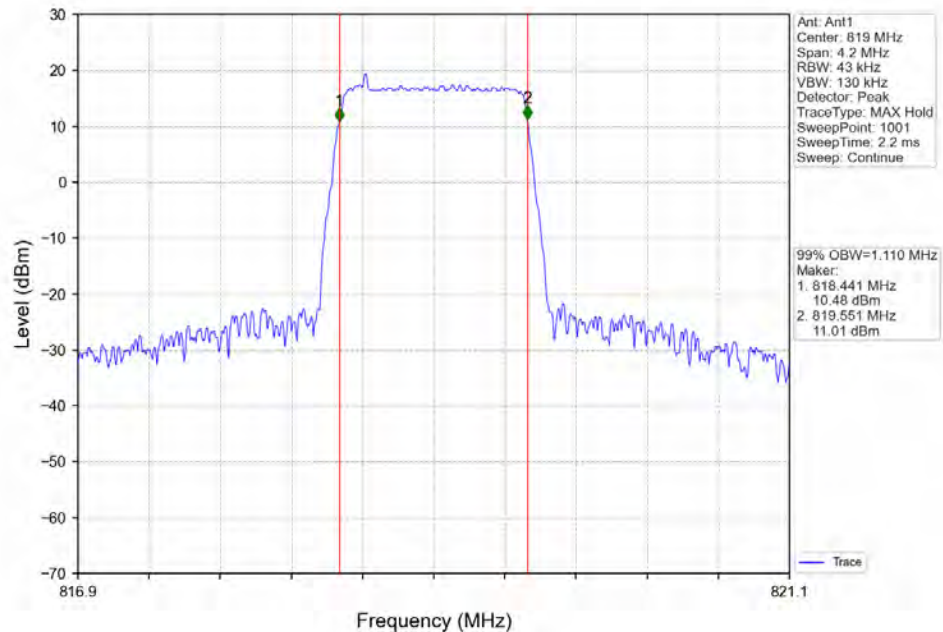




Band26_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV

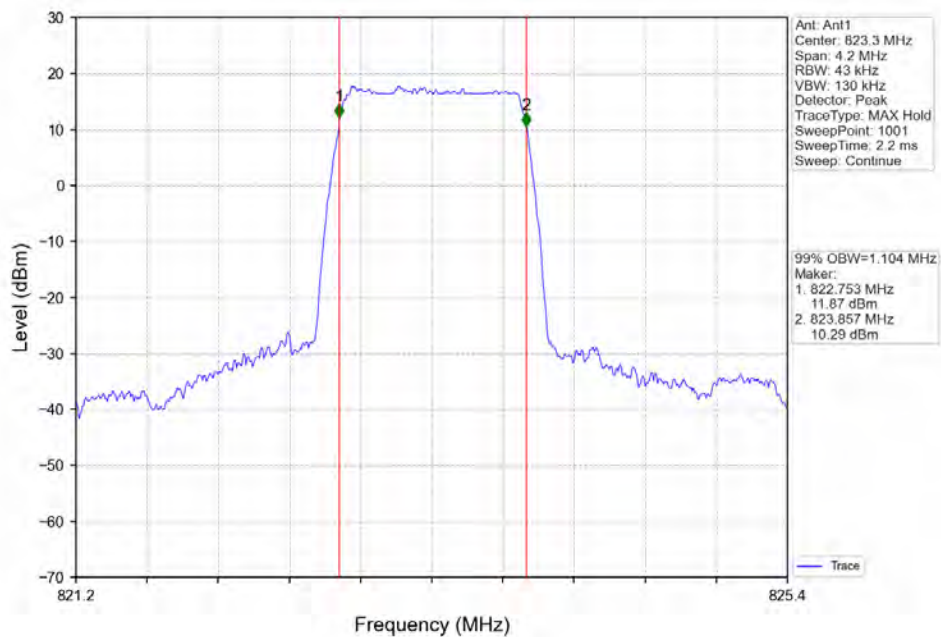


Band26_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV

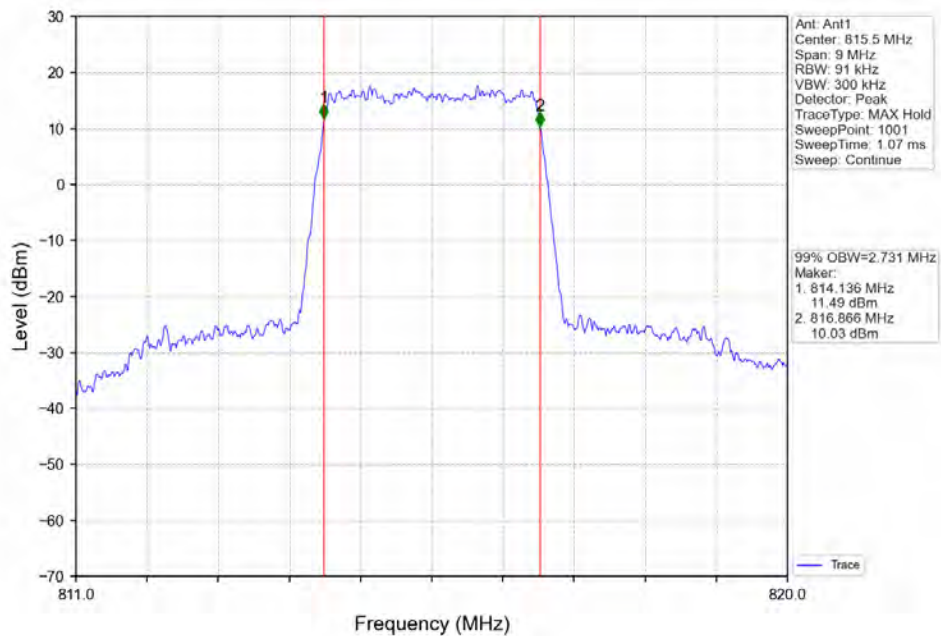




Band26_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV

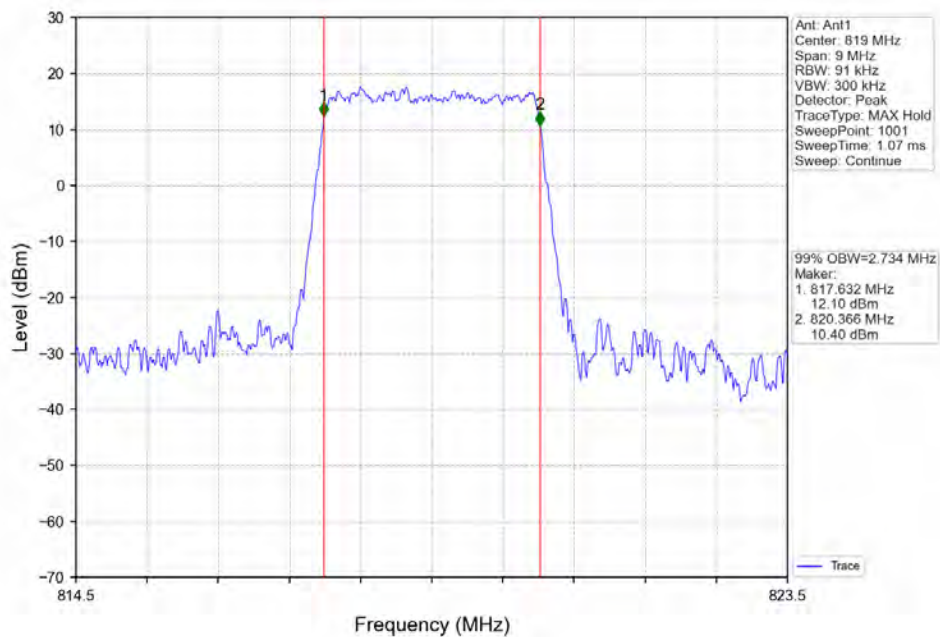


Band26_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV

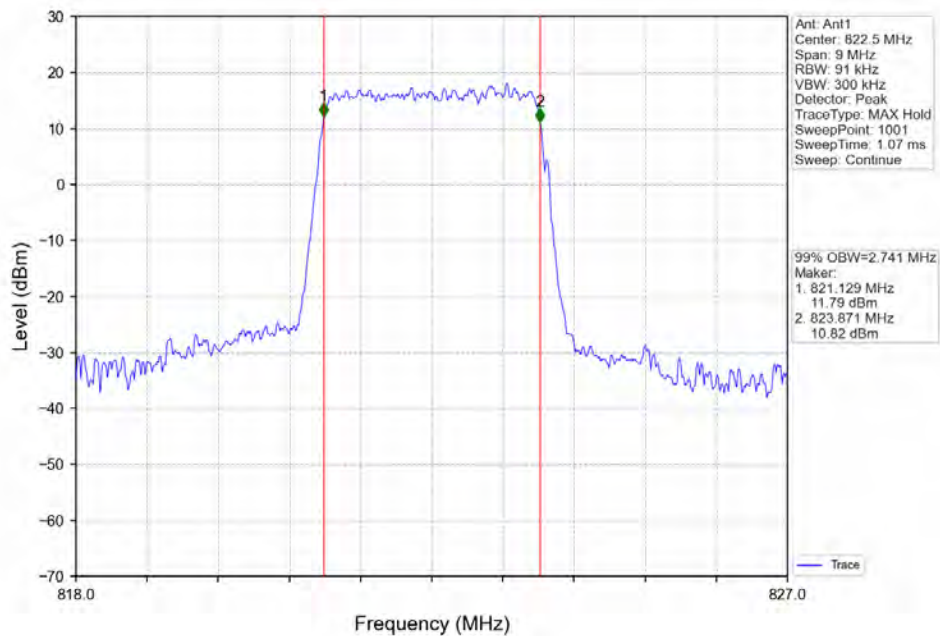




Band26_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV

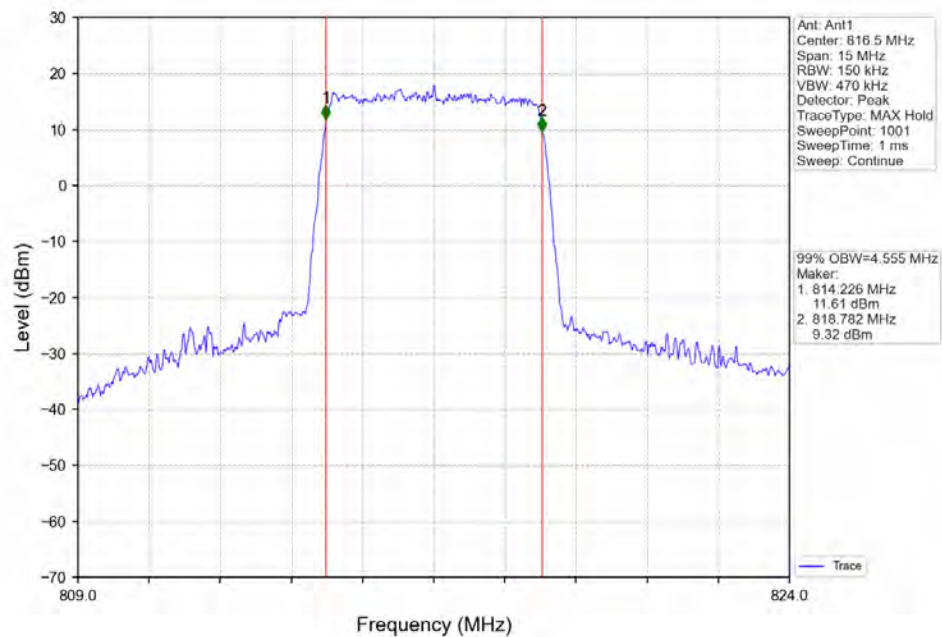


Band26_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV

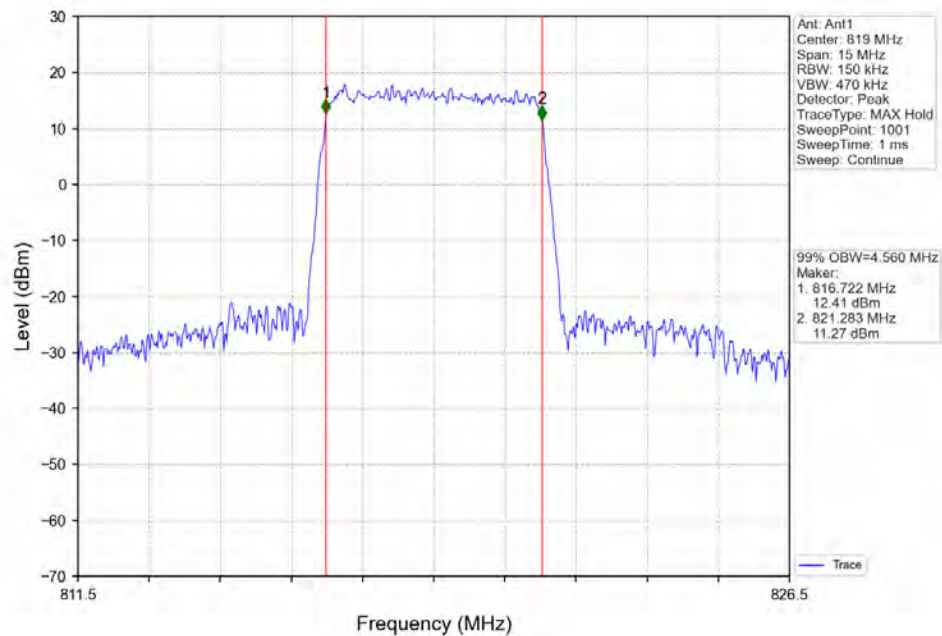


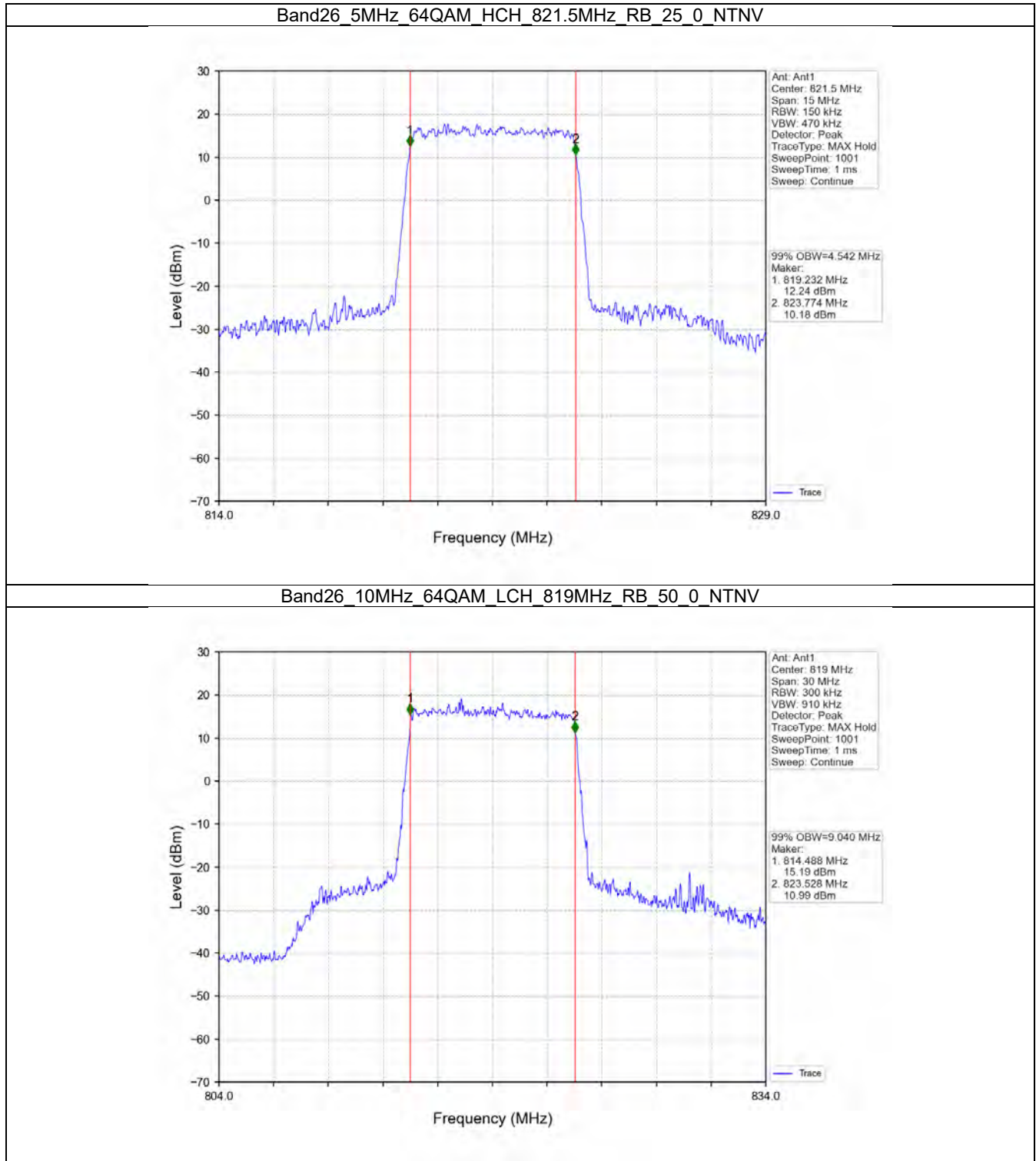


Band26_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



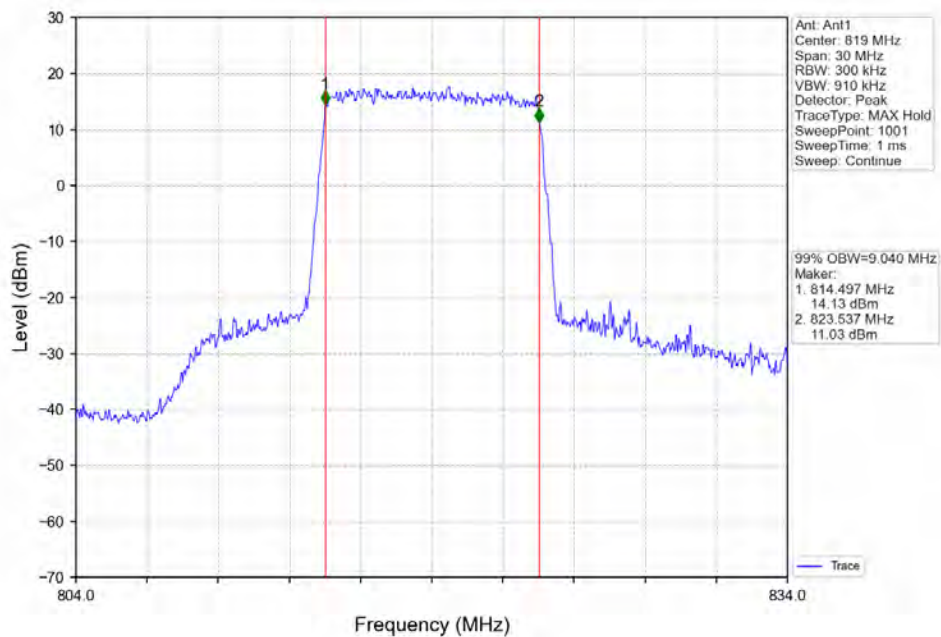
Band26_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



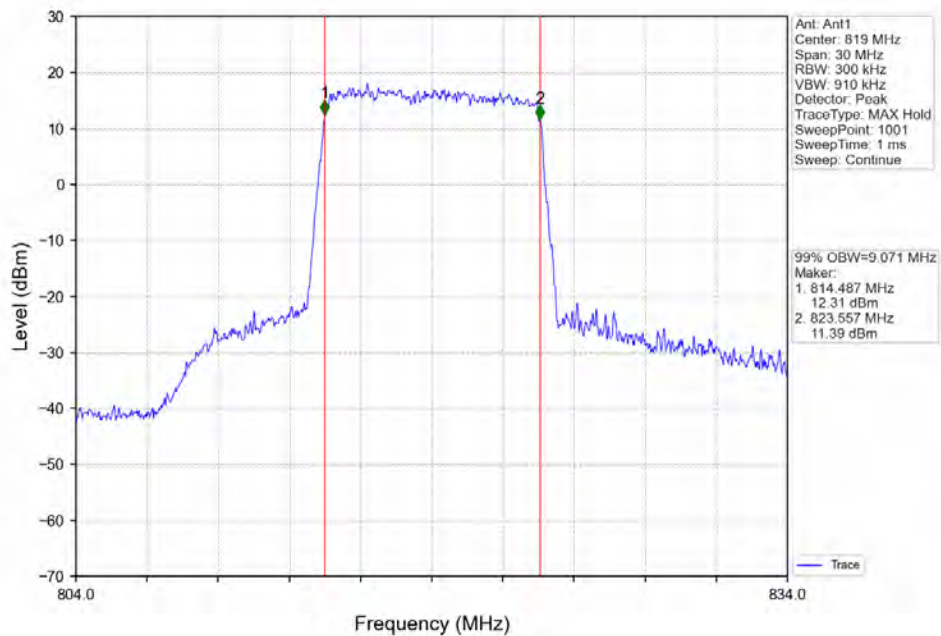




Band26_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26_10MHz_64QAM_HCH_819MHz_RB_50_0_NTNV





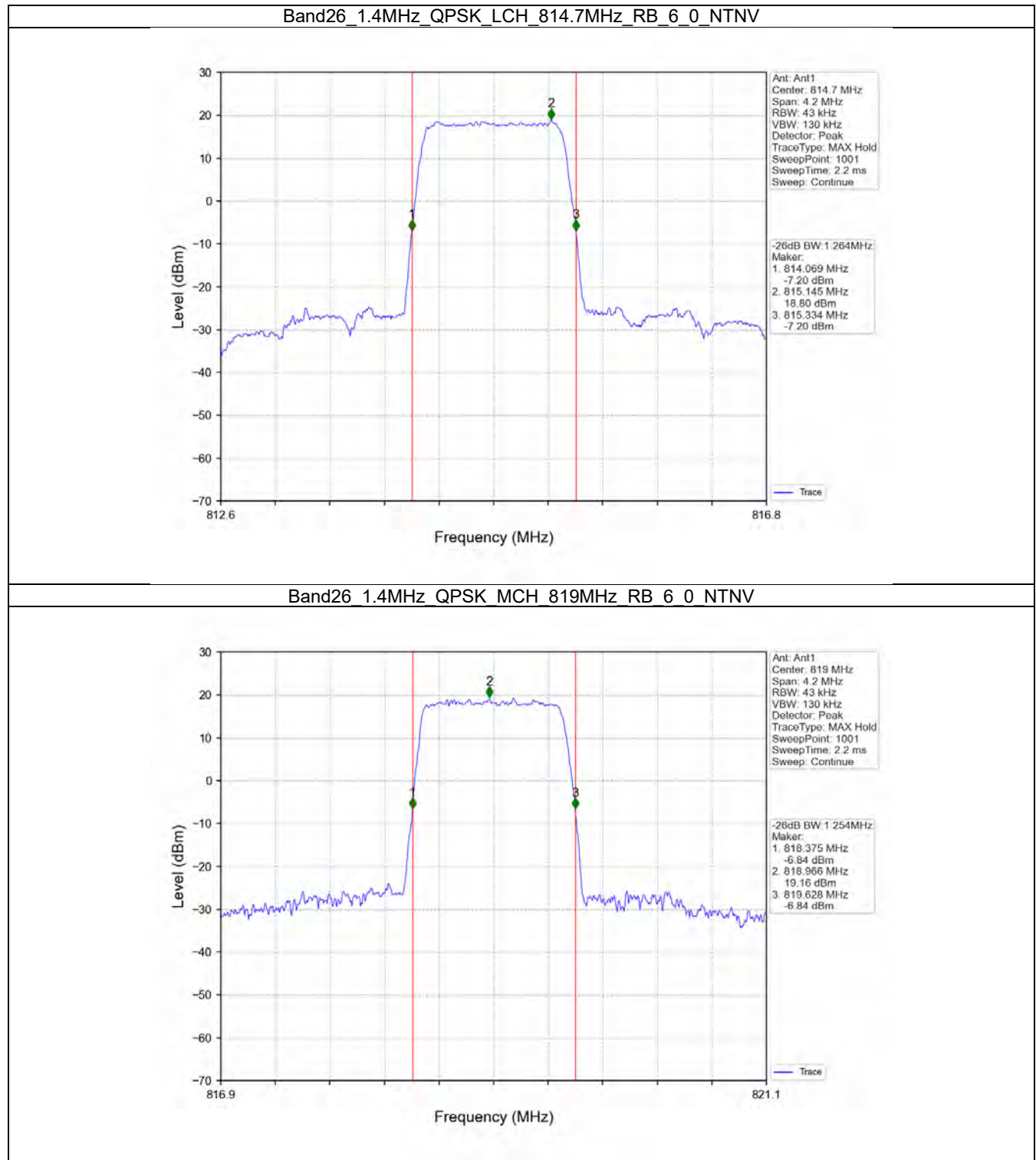
2.2 Band26_26DB

2.2.1 Test Result

Band: 26 / NTNV								
Bandwidth (MHz)	Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
		Size	Offset	LCH	MCH	HCH		
1.4	QPSK	6	0	1.264	1.254	1.263	/	Pass
	16QAM	6	0	1.272	1.271	1.254	/	Pass
	64QAM	6	0	1.252	1.262	1.269	/	Pass
3	QPSK	15	0	3.063	3.057	3.087	/	Pass
	16QAM	15	0	3.086	3.067	3.049	/	Pass
	64QAM	15	0	3.069	3.058	3.058	/	Pass
5	QPSK	25	0	5.076	5.047	5.058	/	Pass
	16QAM	25	0	5.072	5.035	5.024	/	Pass
	64QAM	25	0	5.053	5.041	5.042	/	Pass
10	QPSK	50	0	9.968	10.063	9.950	/	Pass
	16QAM	50	0	10.004	9.962	9.969	/	Pass
	64QAM	50	0	9.869	9.943	9.916	/	Pass



2.2.2 Test Graph



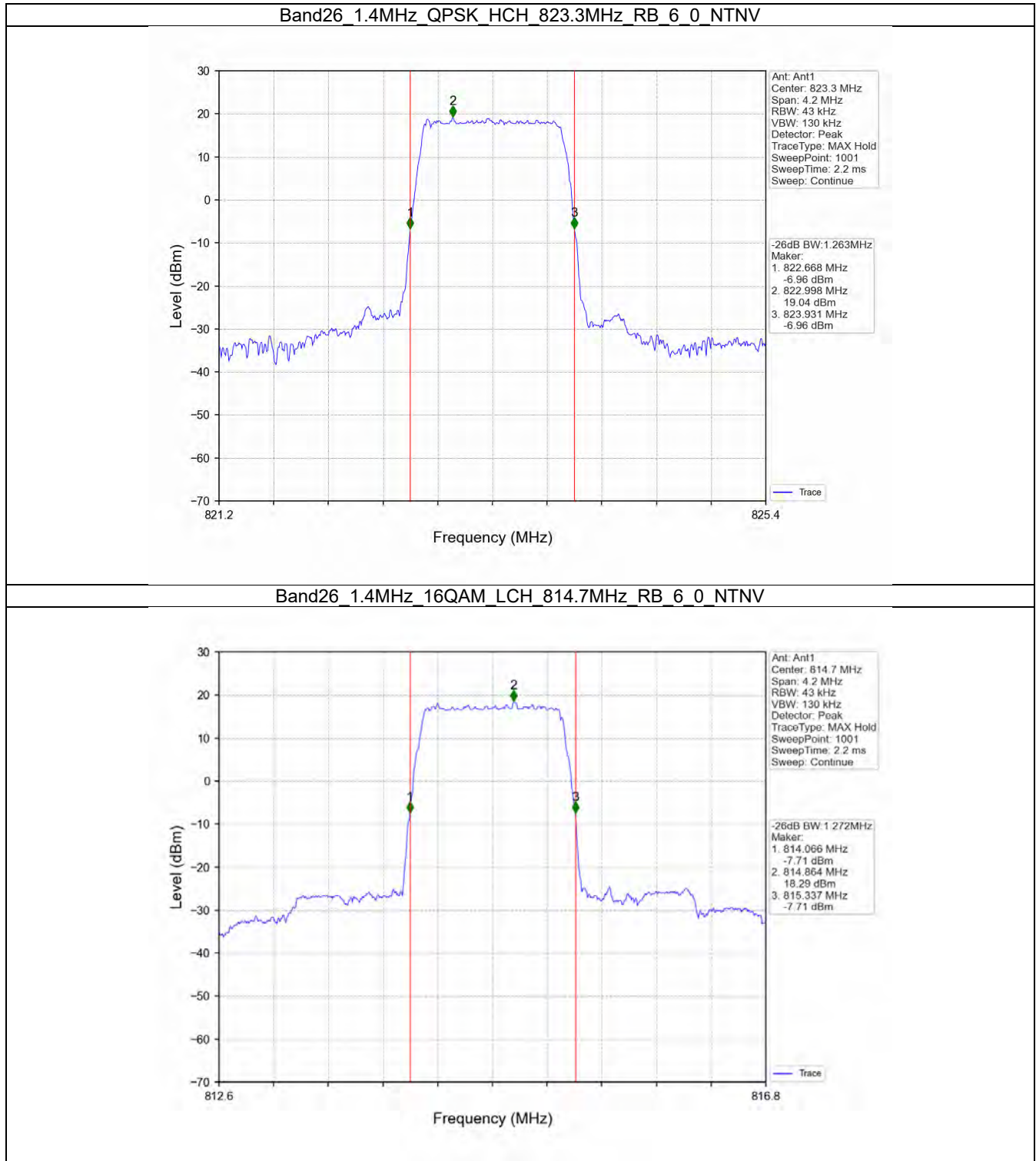
BV 7Layers Communications
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District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566

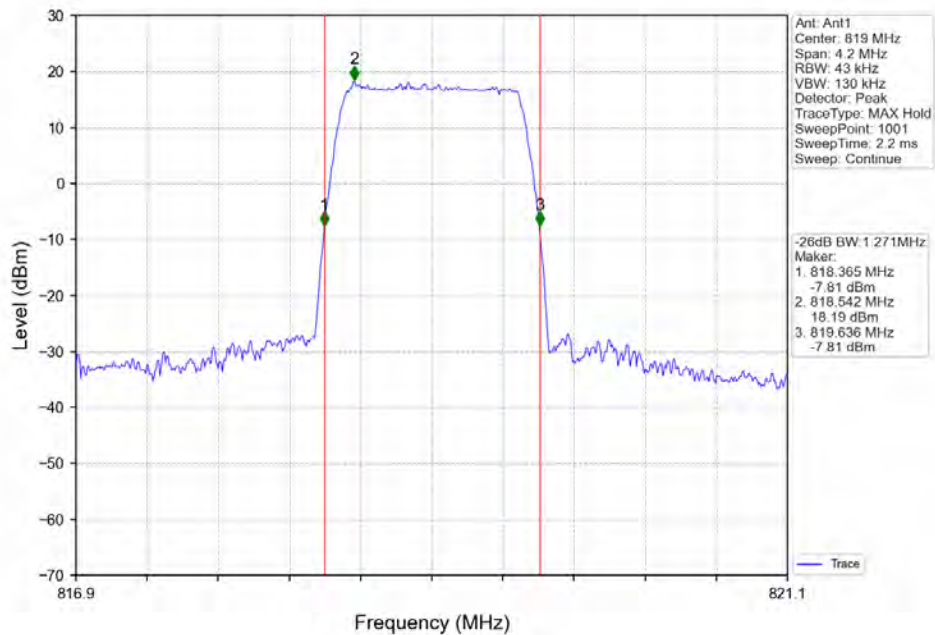
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

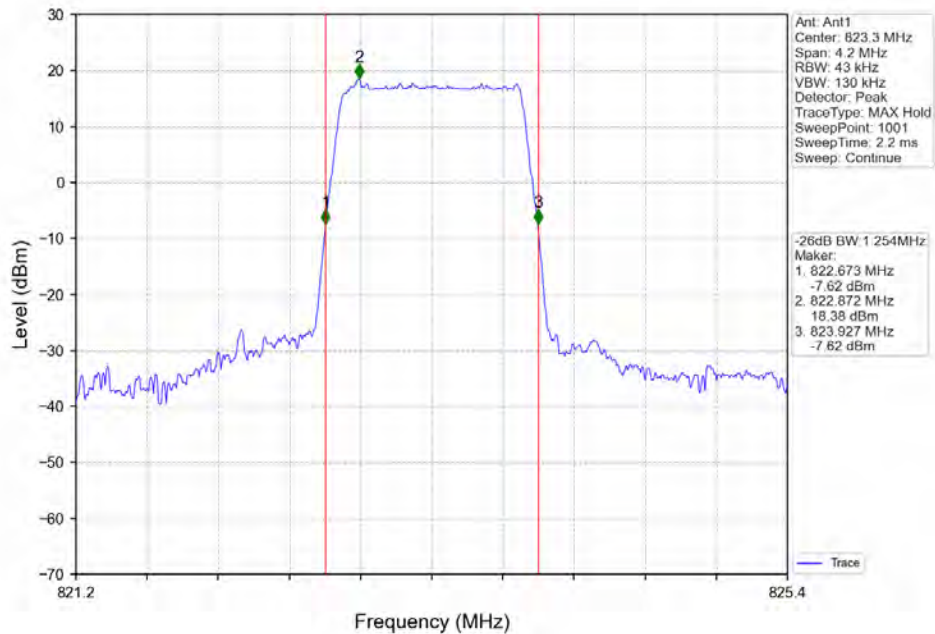




Band26_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

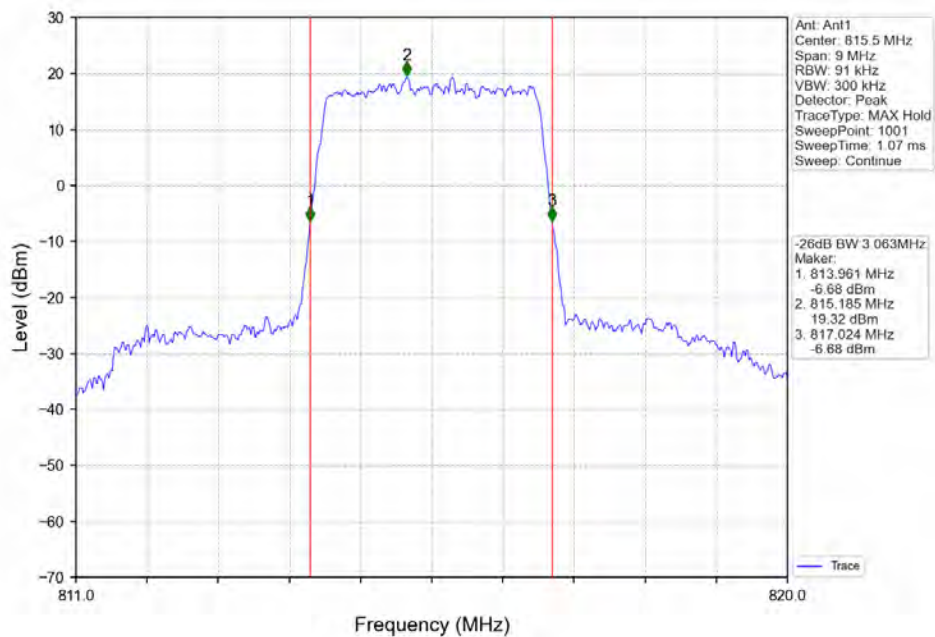


Band26_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV

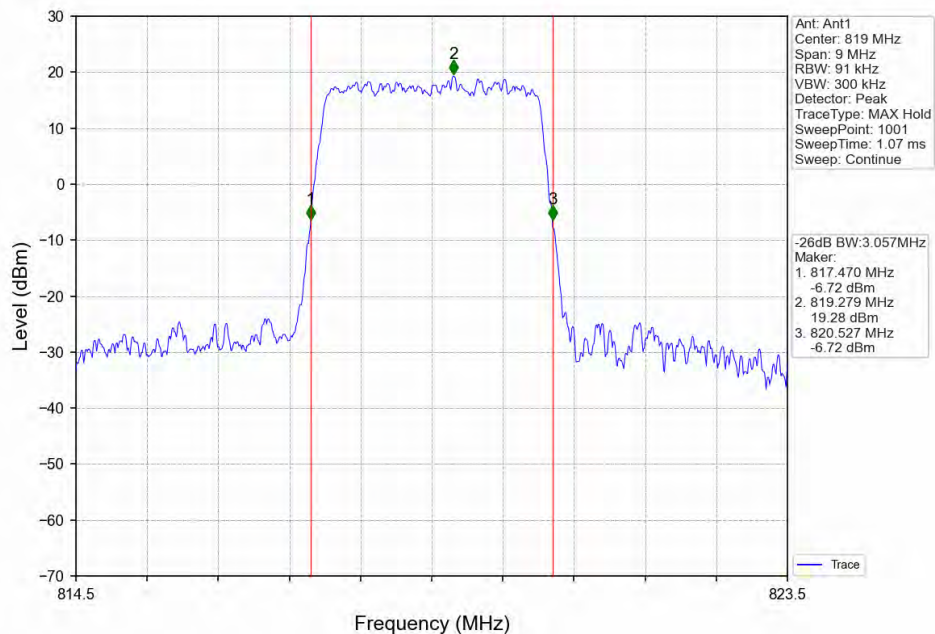




Band26_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

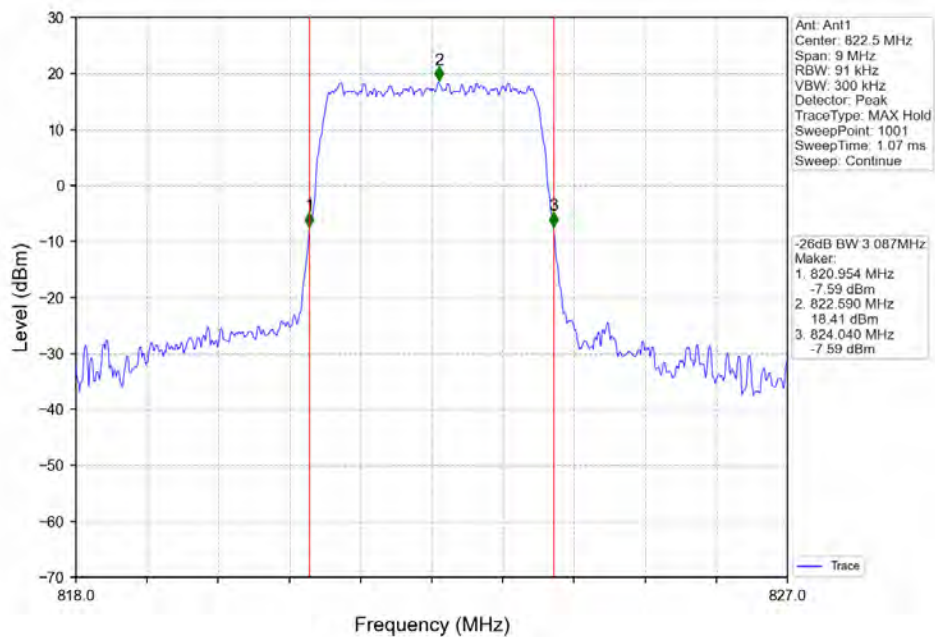


Band26_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV

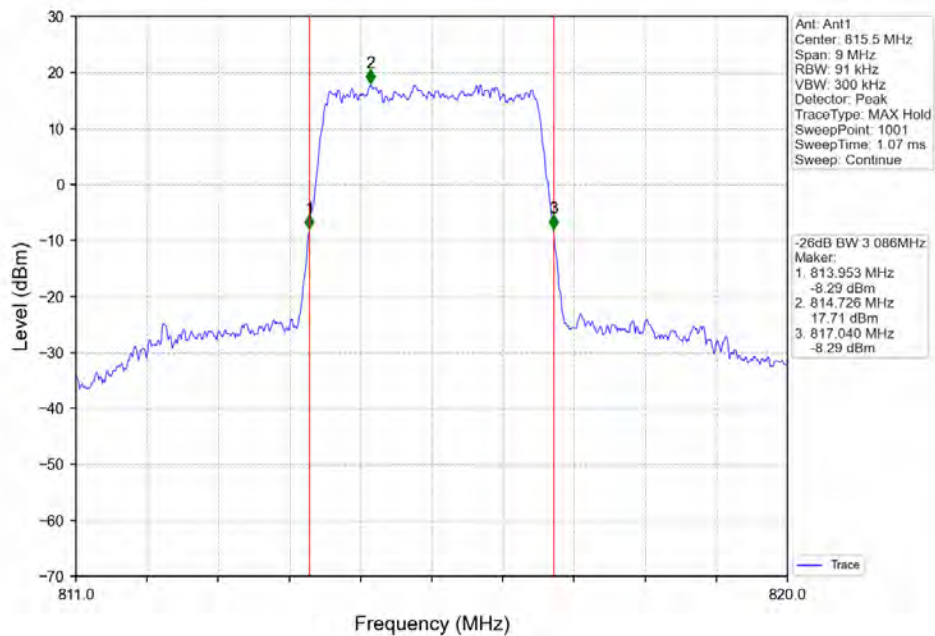




Band26_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV

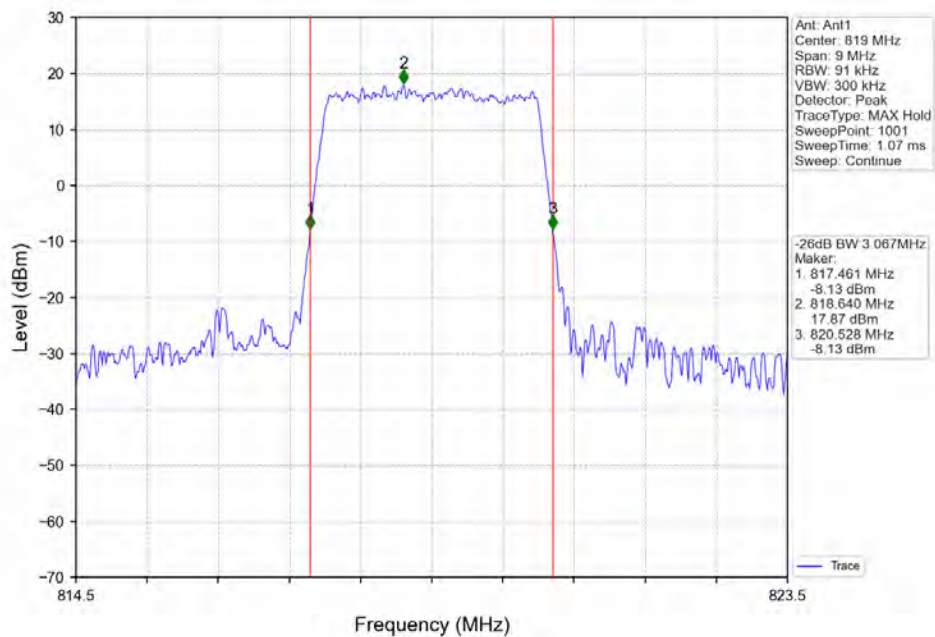


Band26_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV

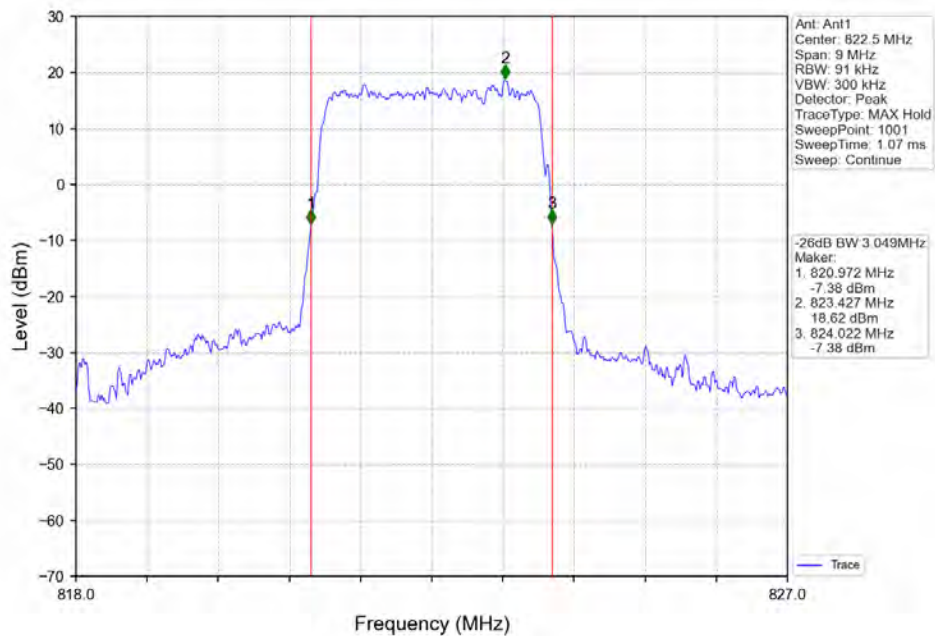




Band26_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV

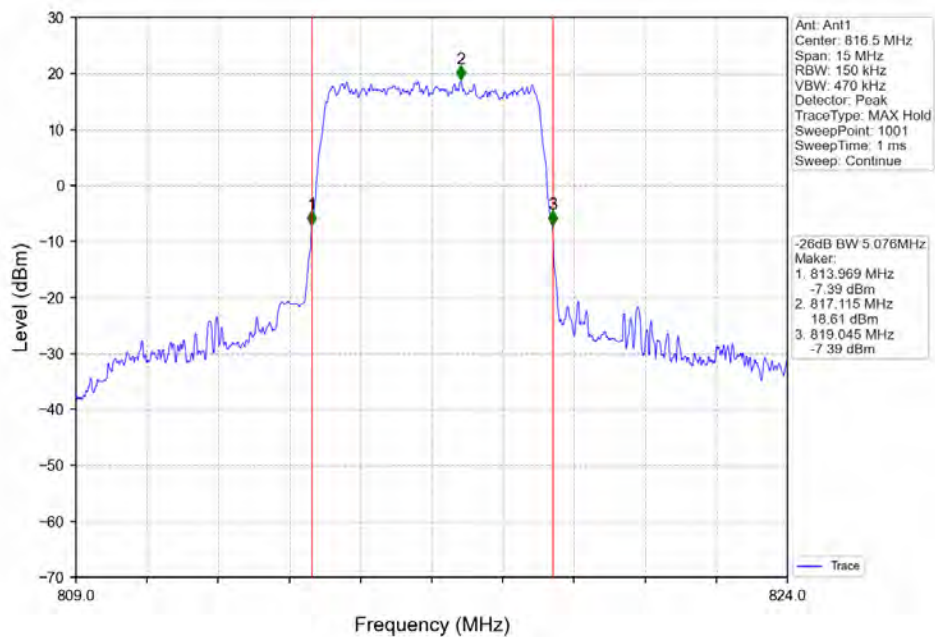


Band26_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

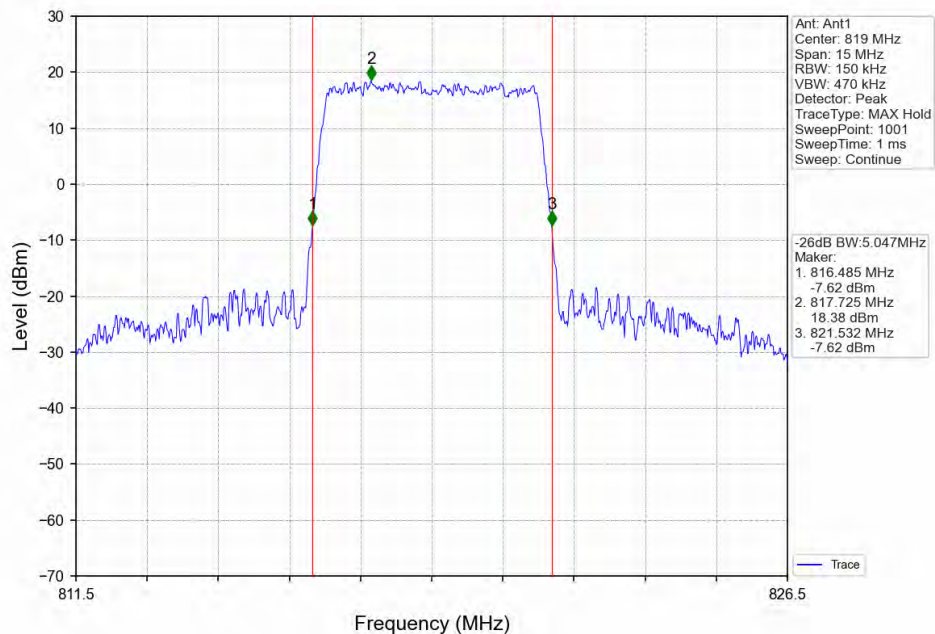




Band26_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

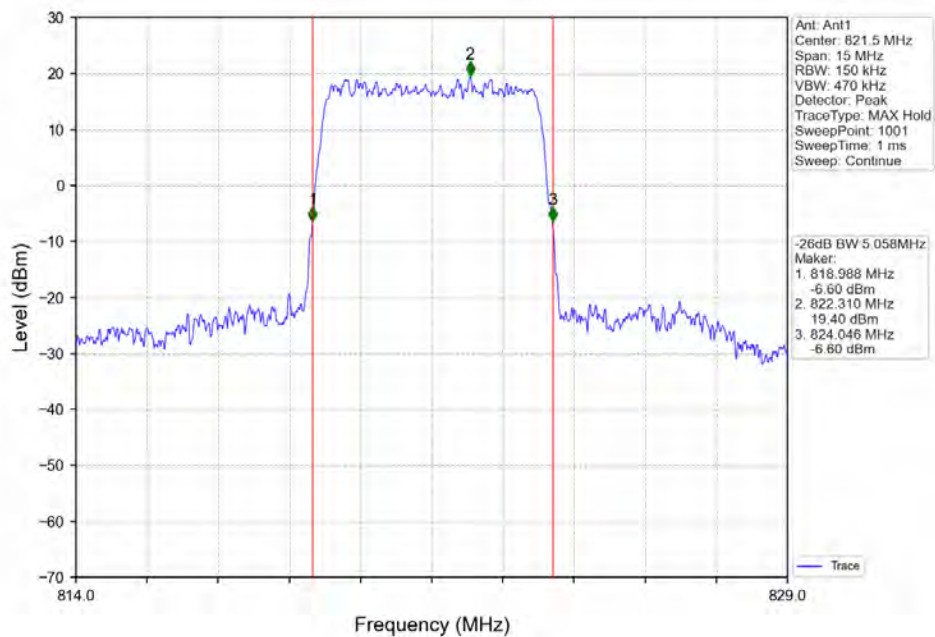


Band26_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

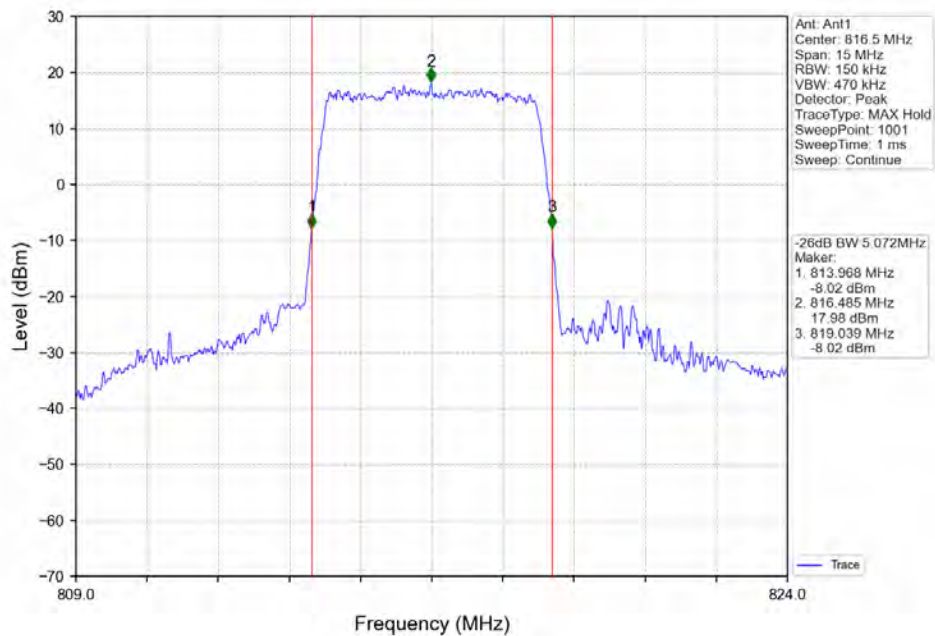




Band26_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

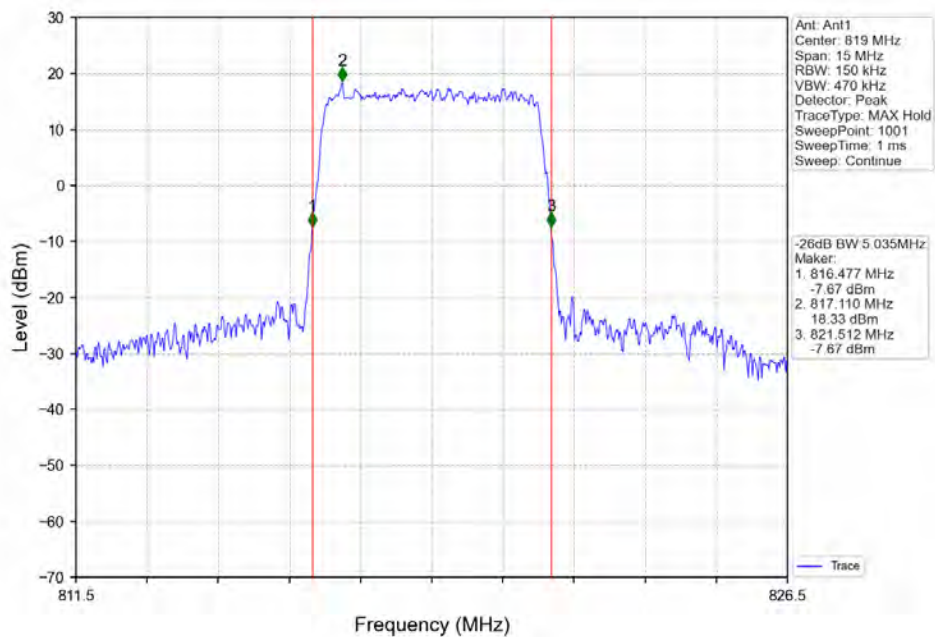


Band26_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV

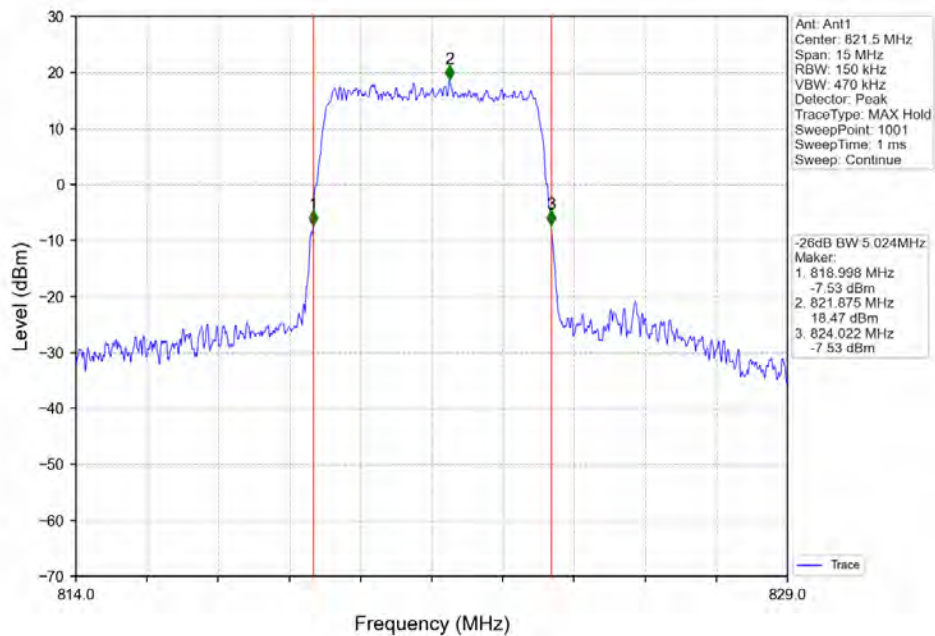




Band26_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

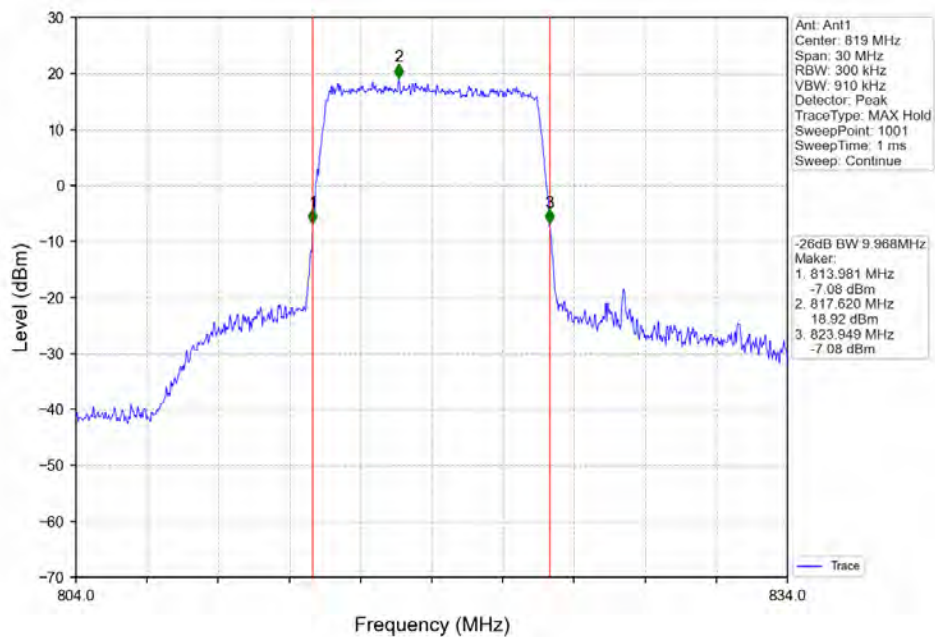


Band26_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV

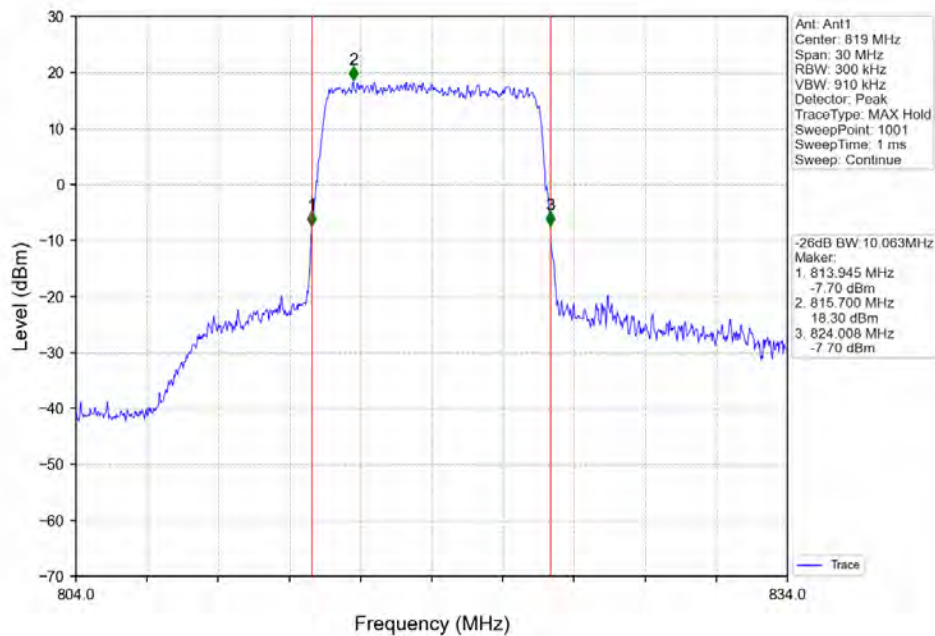




Band26_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV

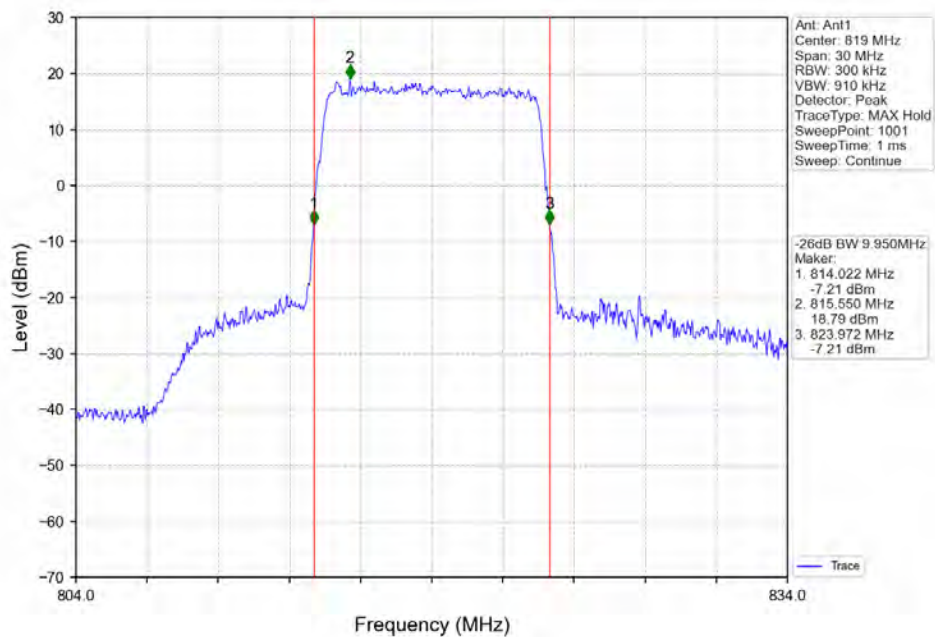


Band26_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

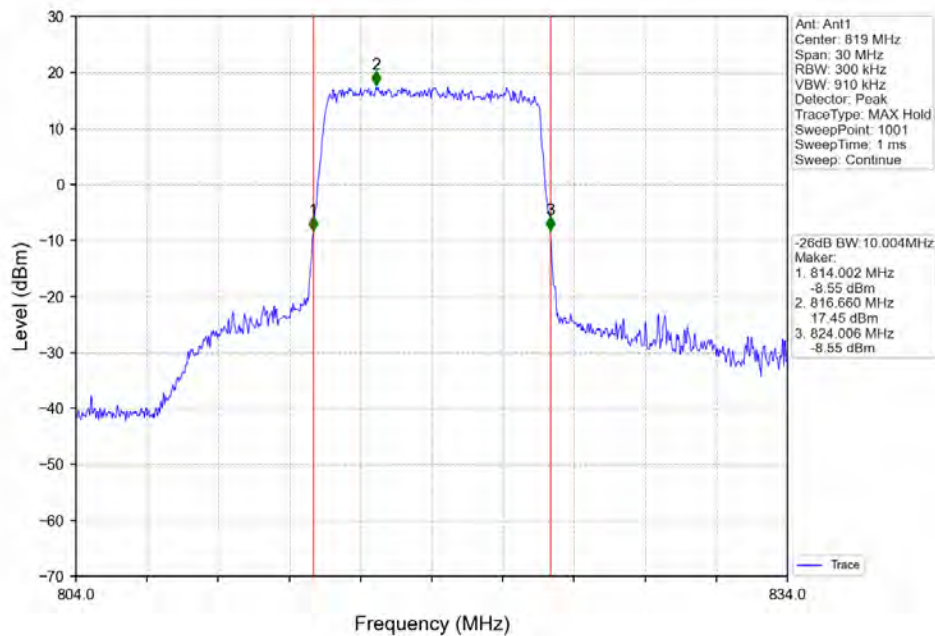




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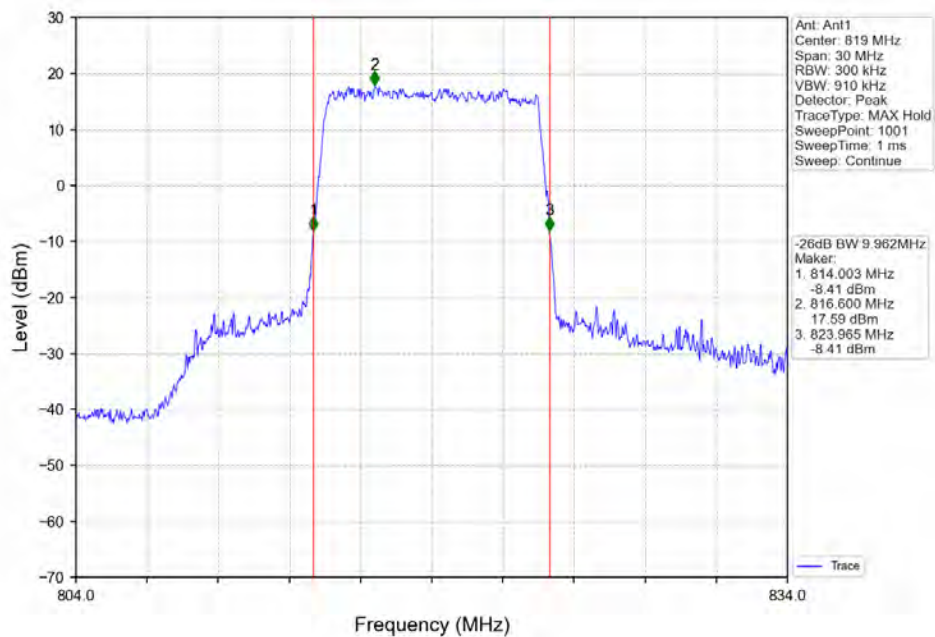


Band26_10MHz_16QAM_LCH_819MHz_RB_50_0_NTNV

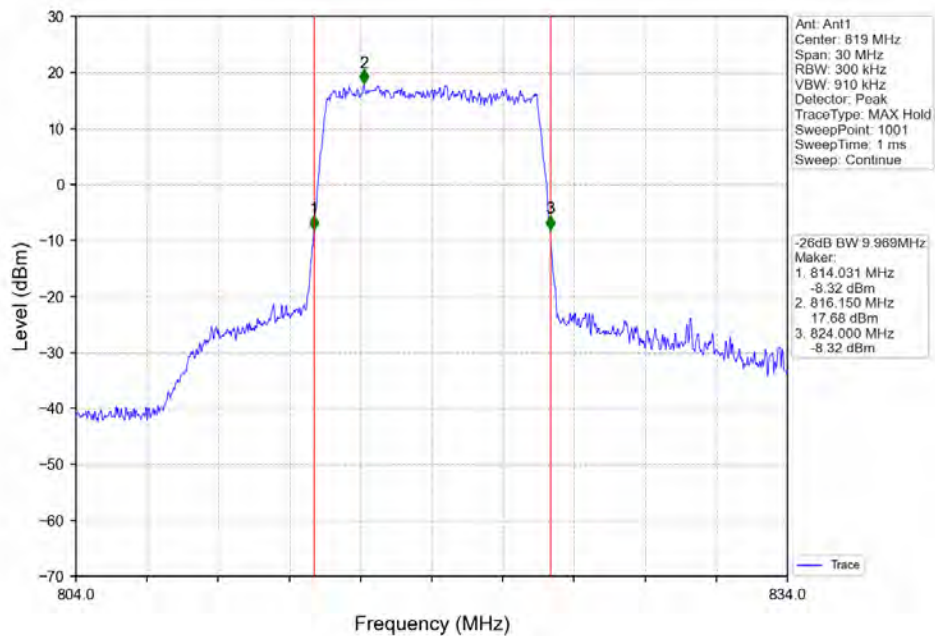




Band26_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV

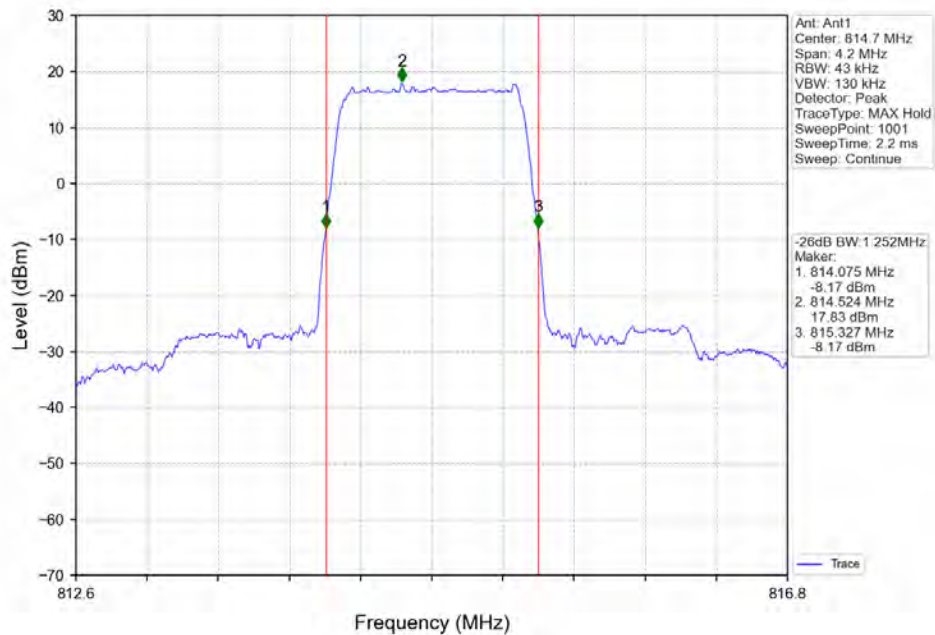


Band26_10MHz_16QAM_HCH_819MHz_RB_50_0_NTNV

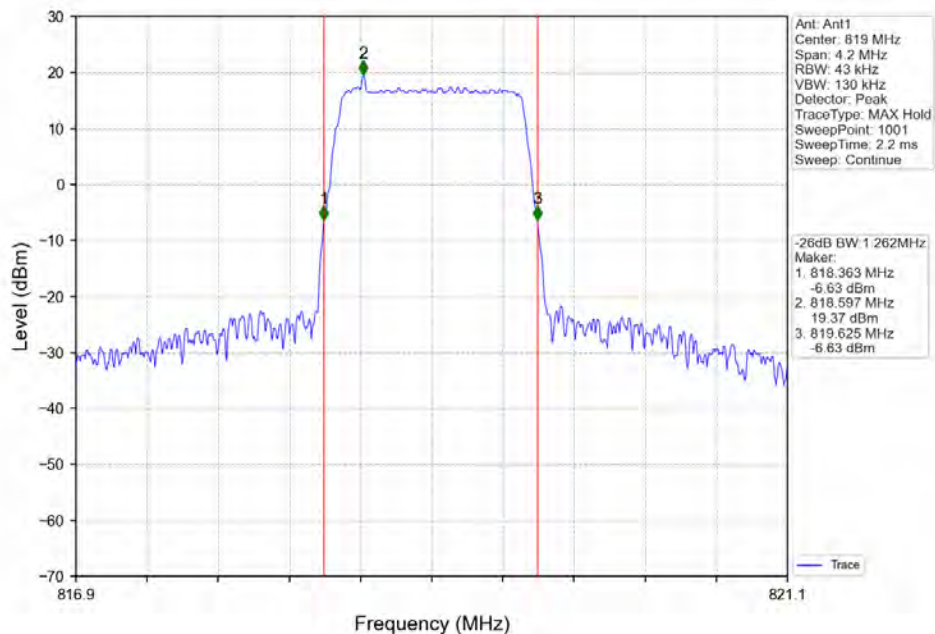




Band26_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV

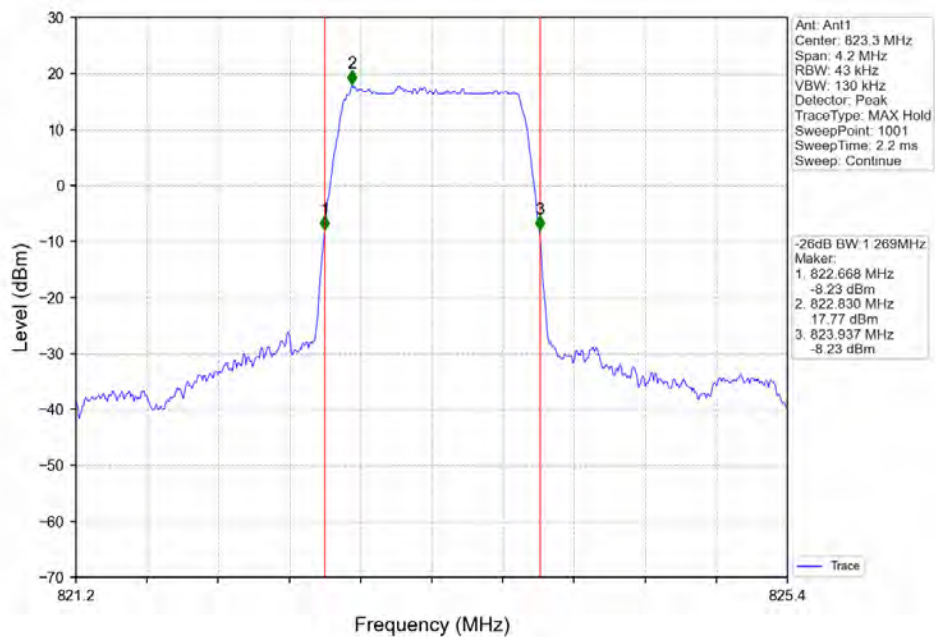


Band26_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV

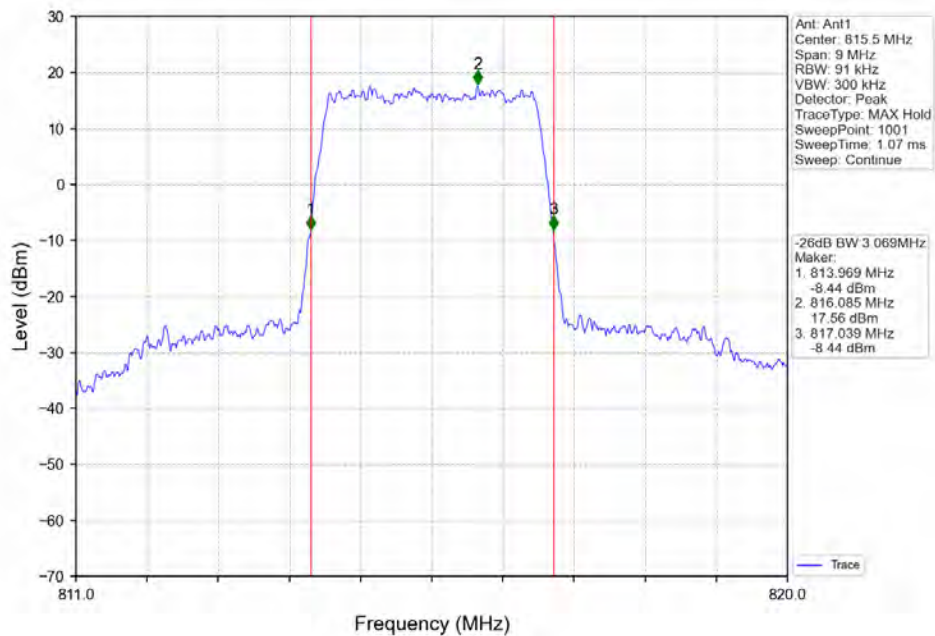




Band26_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV

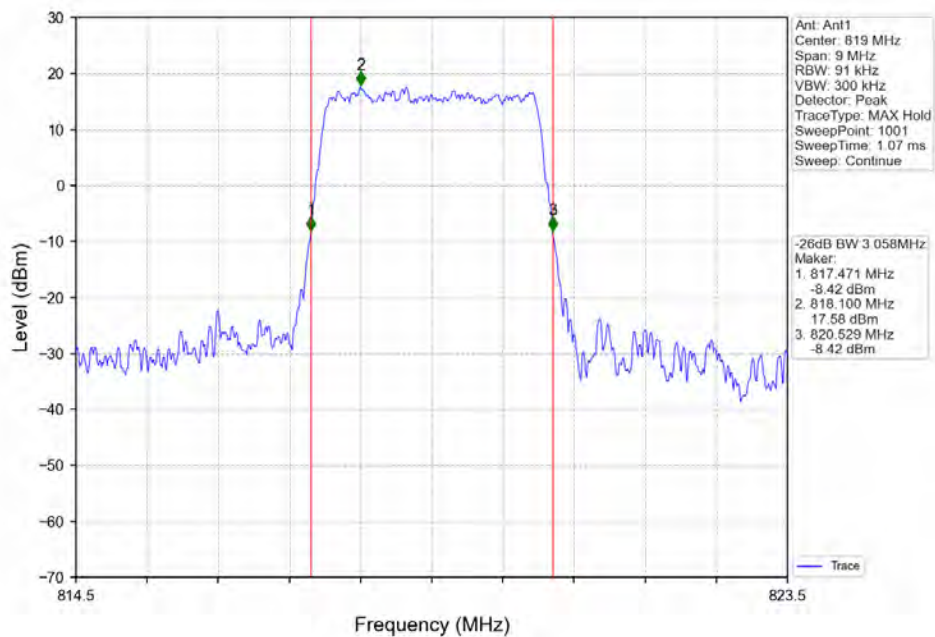


Band26_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV

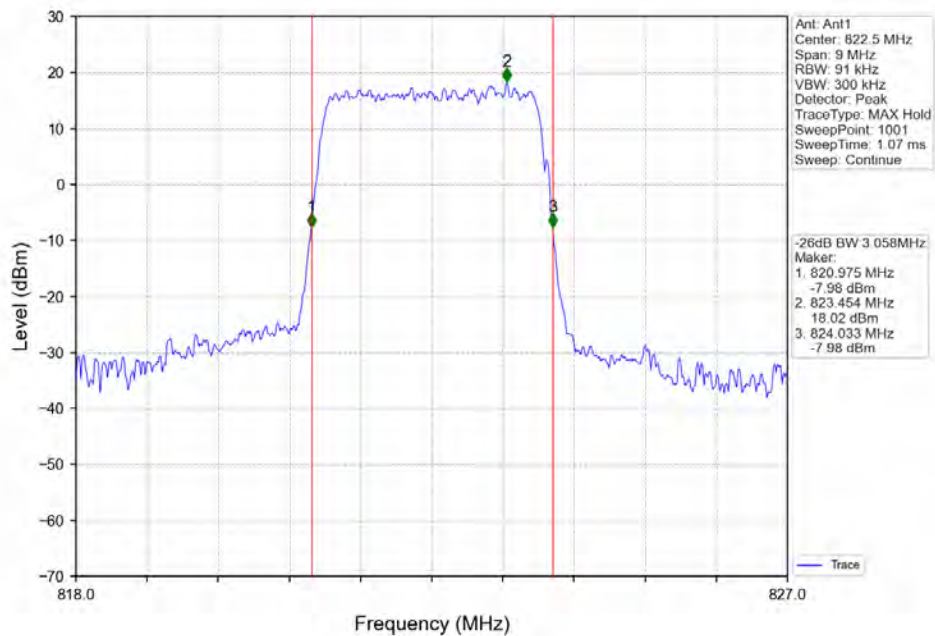


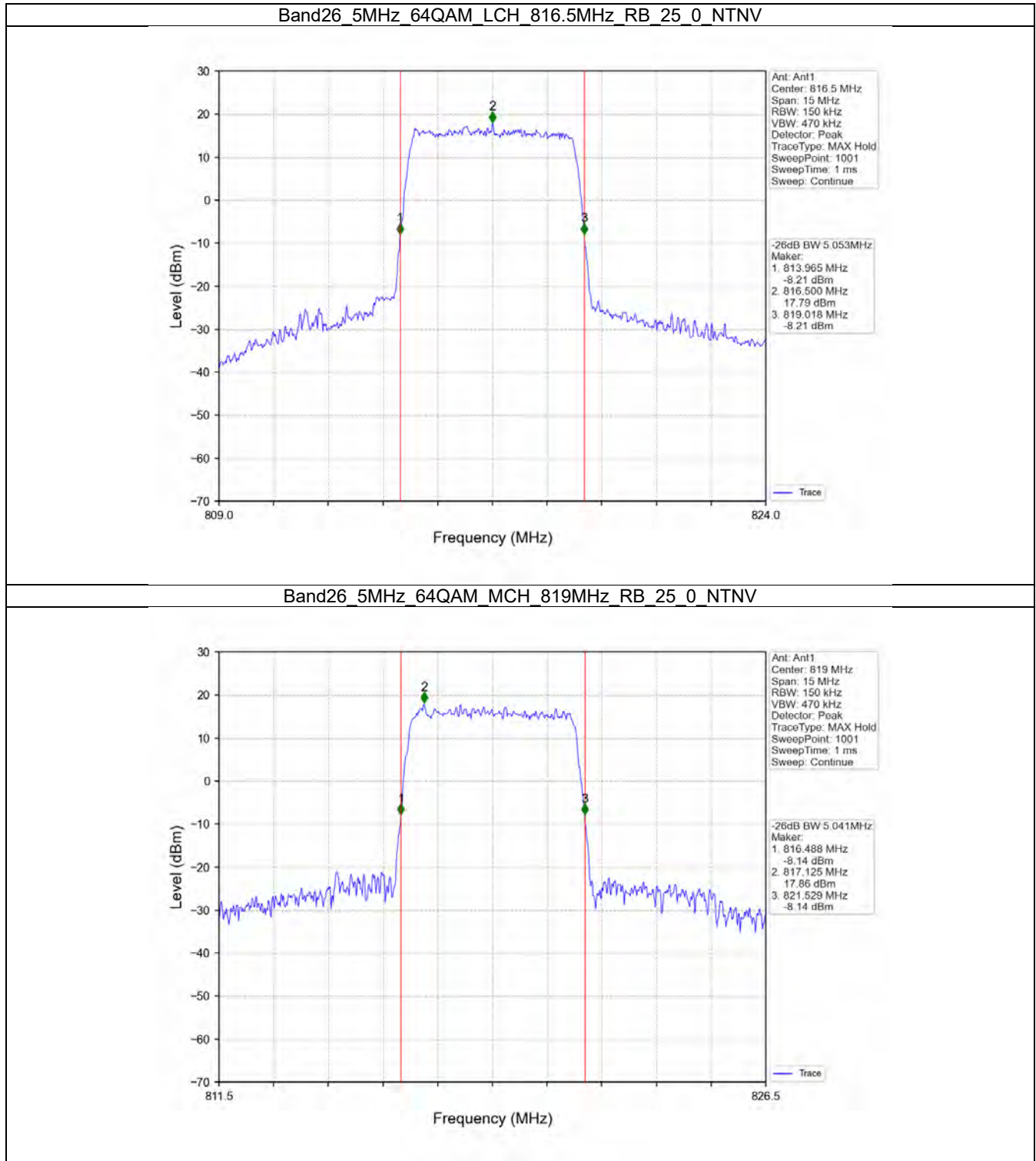


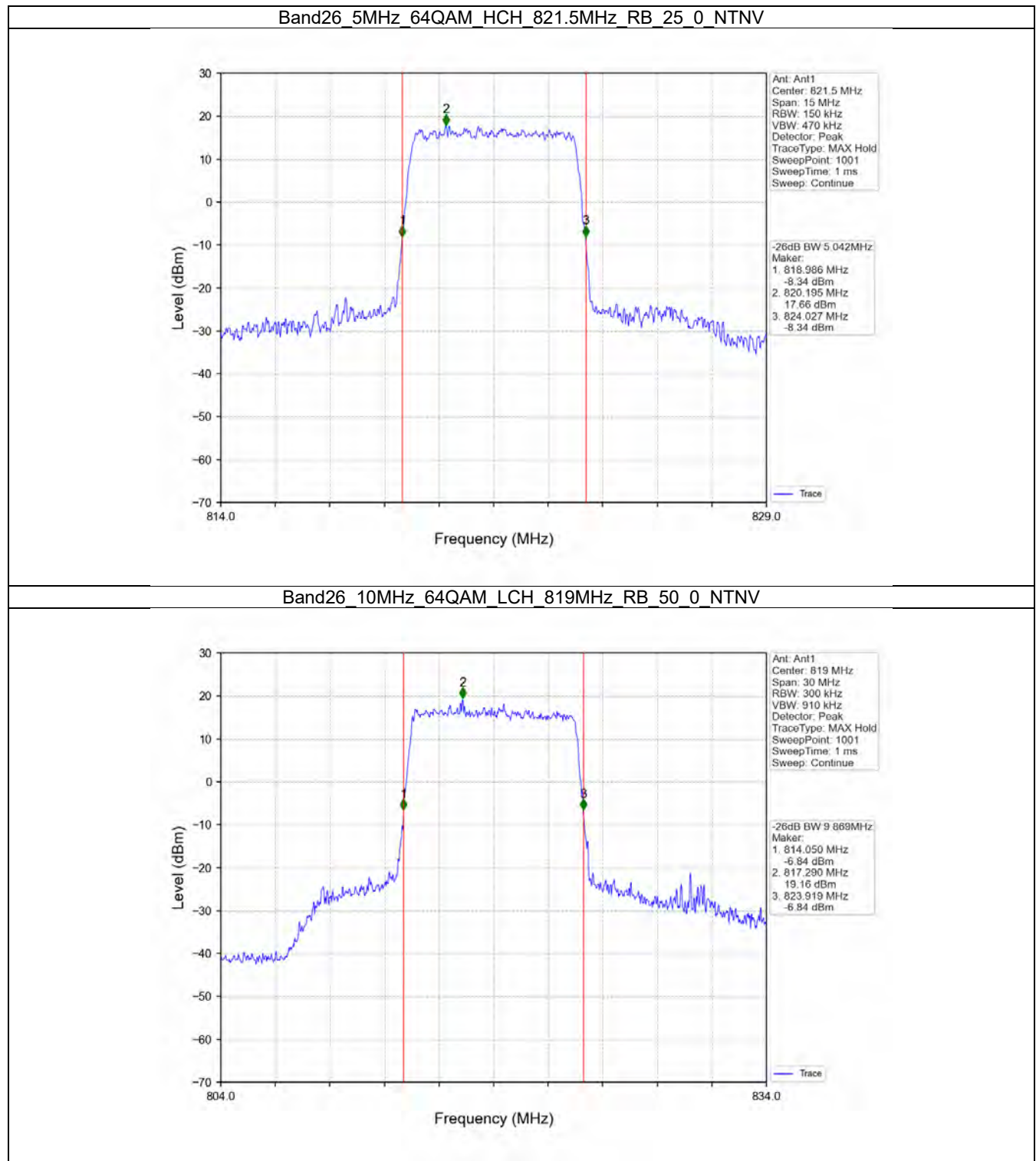
Band26_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



Band26_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV







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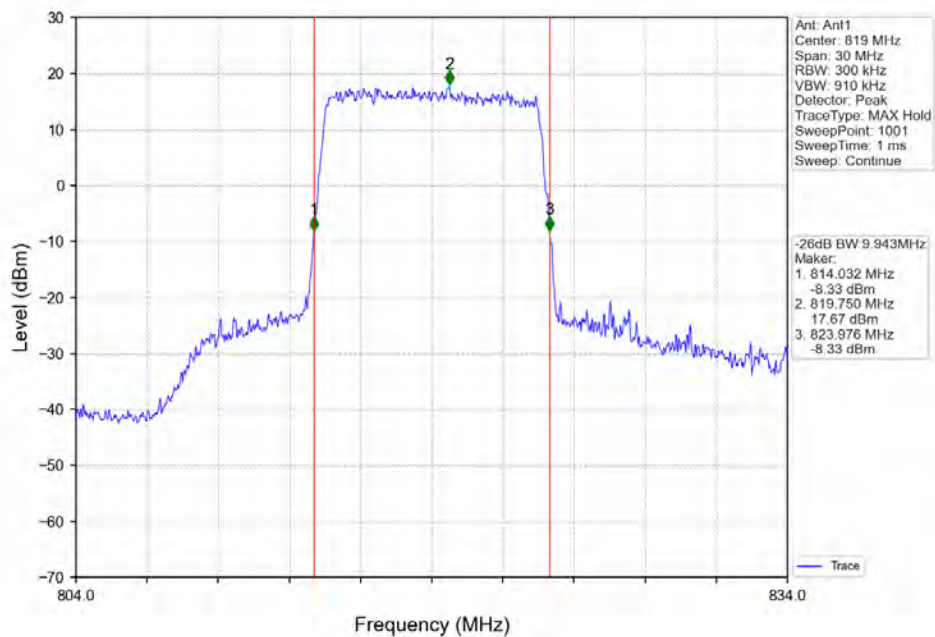
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

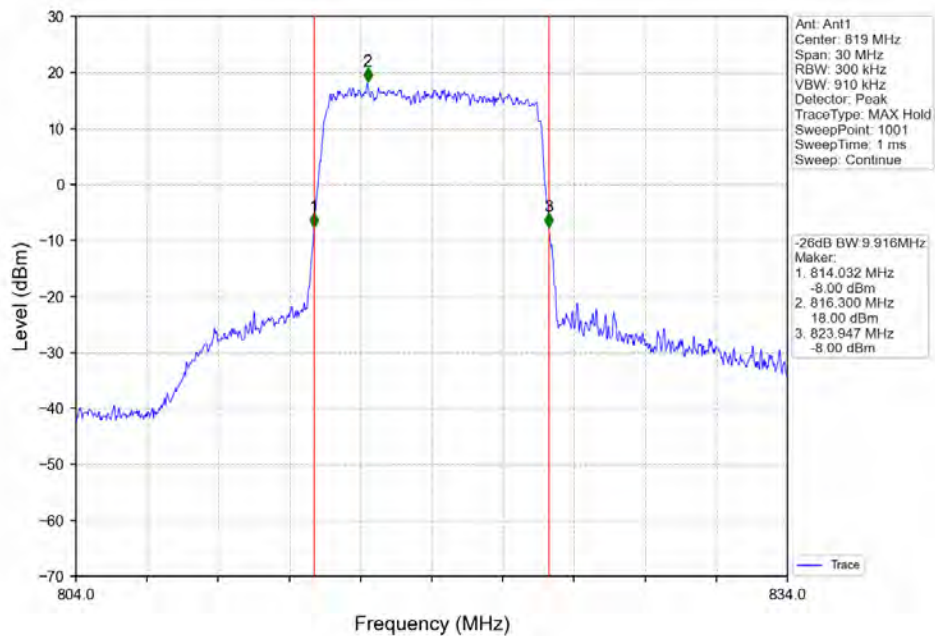
Email: customerservice.sw@bureauveritas.com



Band26_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26_10MHz_64QAM_HCH_819MHz_RB_50_0_NTNV





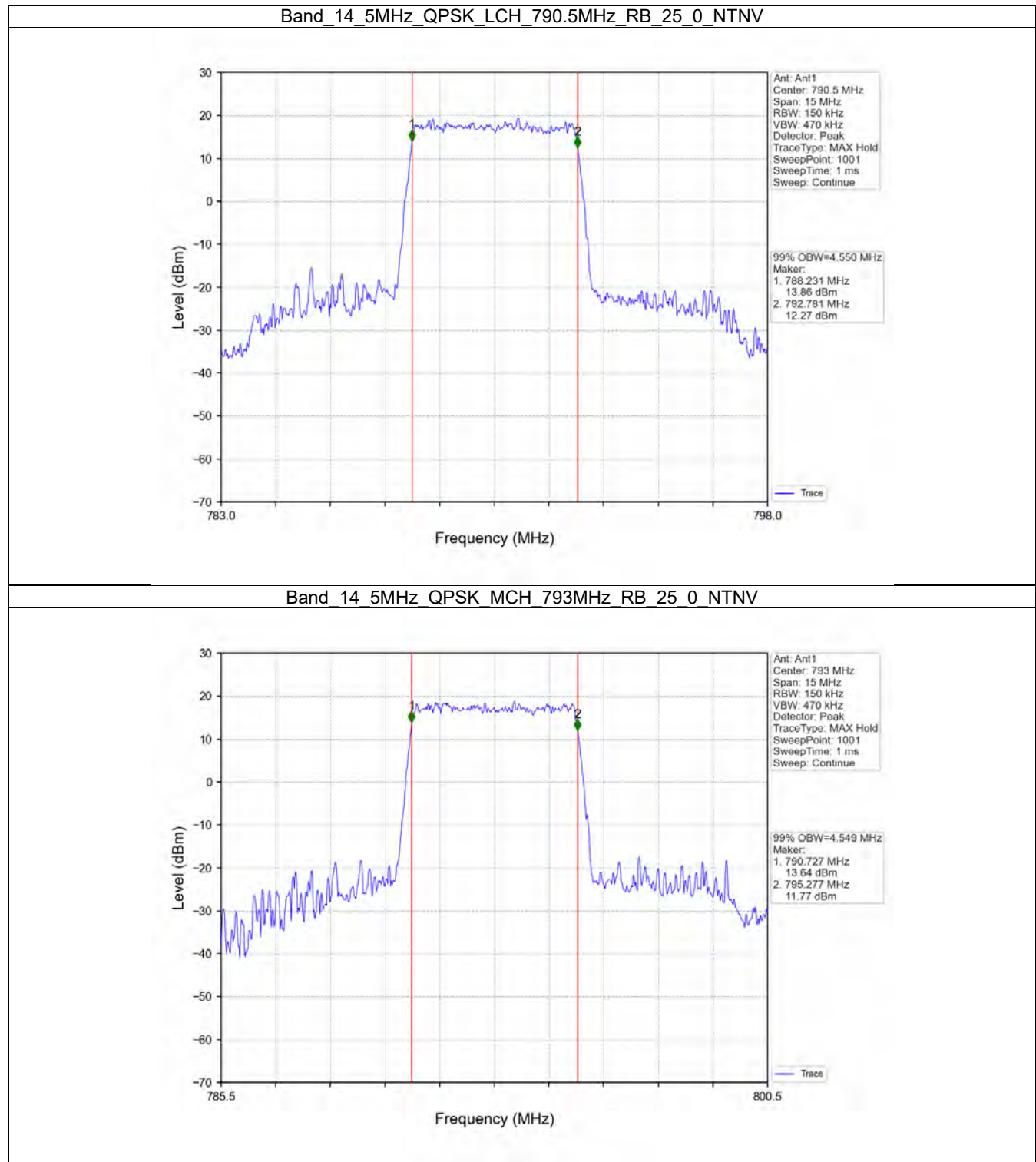
2.3 LTE Band 14 OBW

2.3.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.550	4.549	4.565	/	Pass
16QAM	25	0	4.559	4.556	4.536	/	Pass
64QAM	25	0	4.551	4.563	4.539	/	Pass
Band: 14 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		99% Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	/	9.071	/	/	Pass
16QAM	50	0	/	9.054	/	/	Pass
64QAM	50	0	/	9.069	/	/	Pass



2.3.2 Test Graph



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District, Shenzhen, Guangdong, China

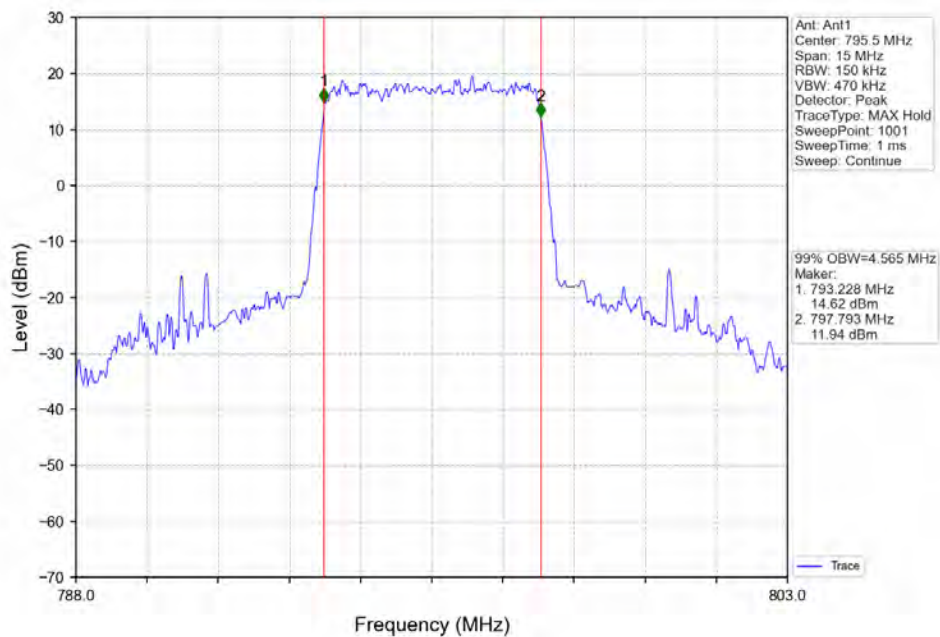
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Fax: +86 755 8869 6577

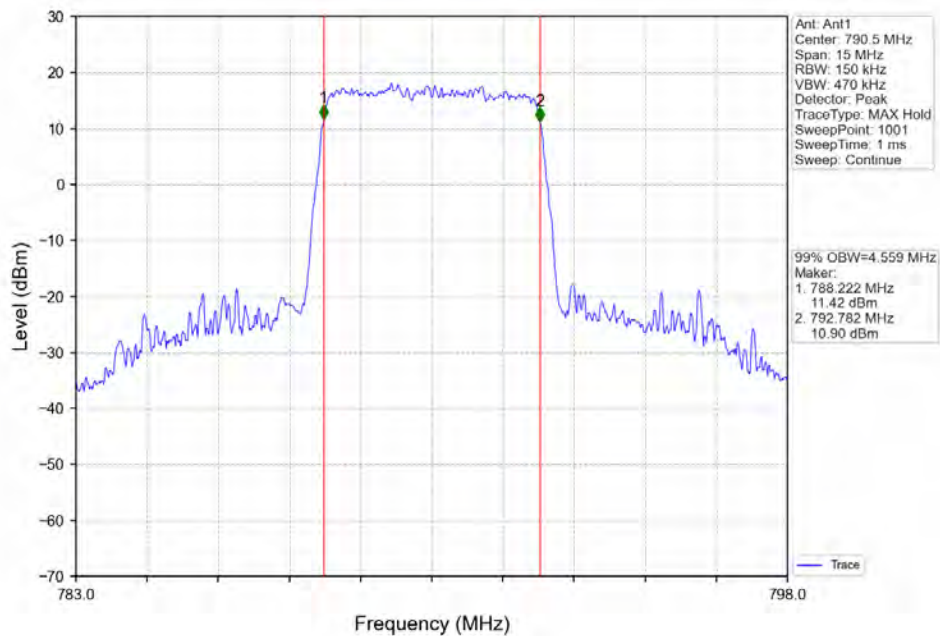
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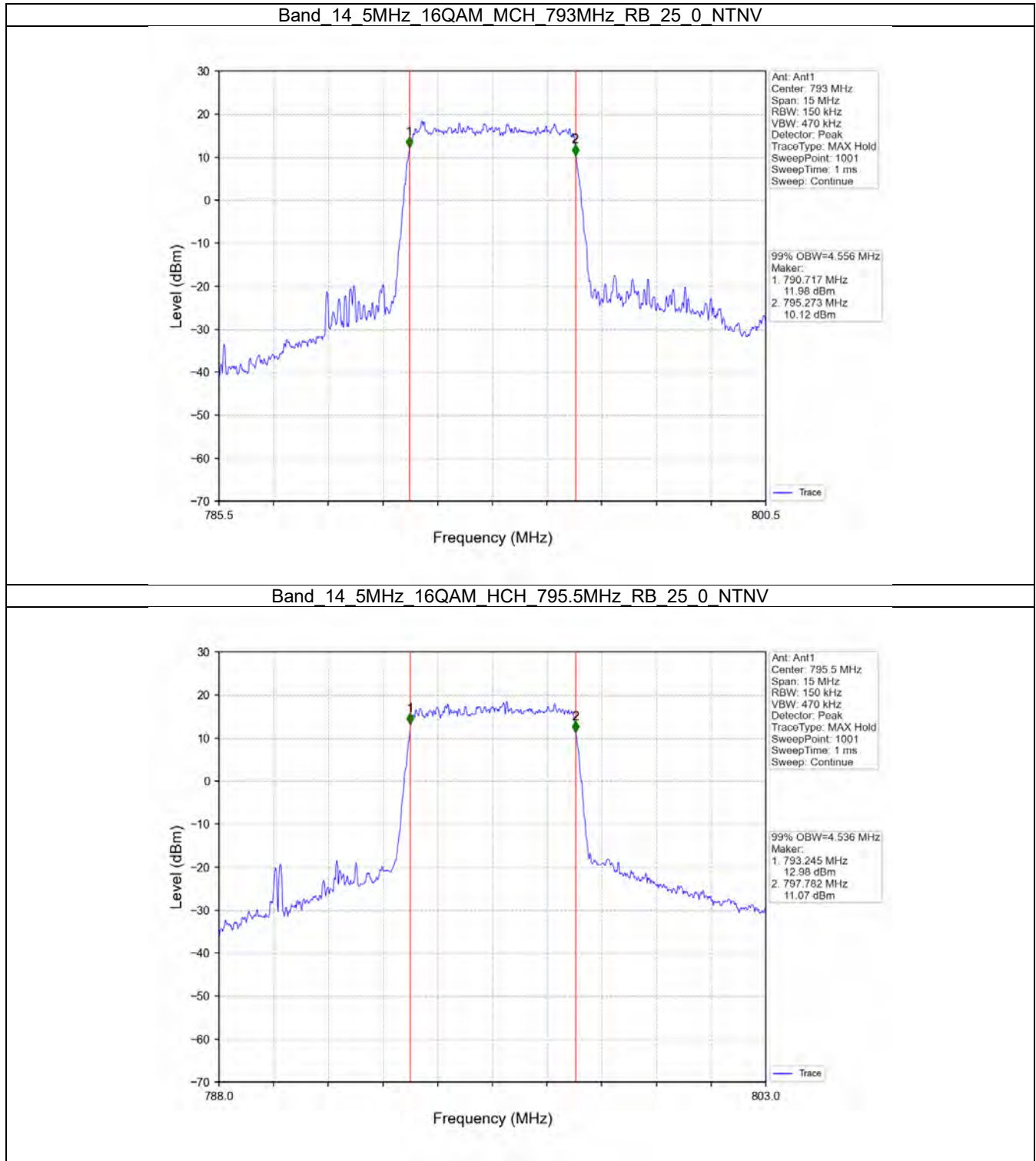


Band_14_5MHz_QPSK_HCH_795.5MHz_RB_25_0_NTNV



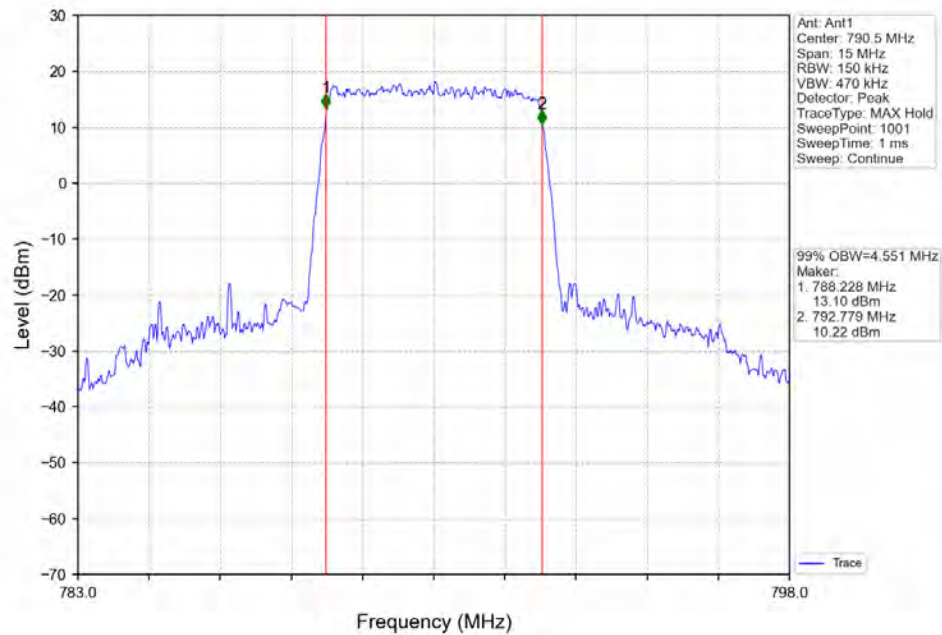
Band_14_5MHz_16QAM_LCH_790.5MHz_RB_25_0_NTNV



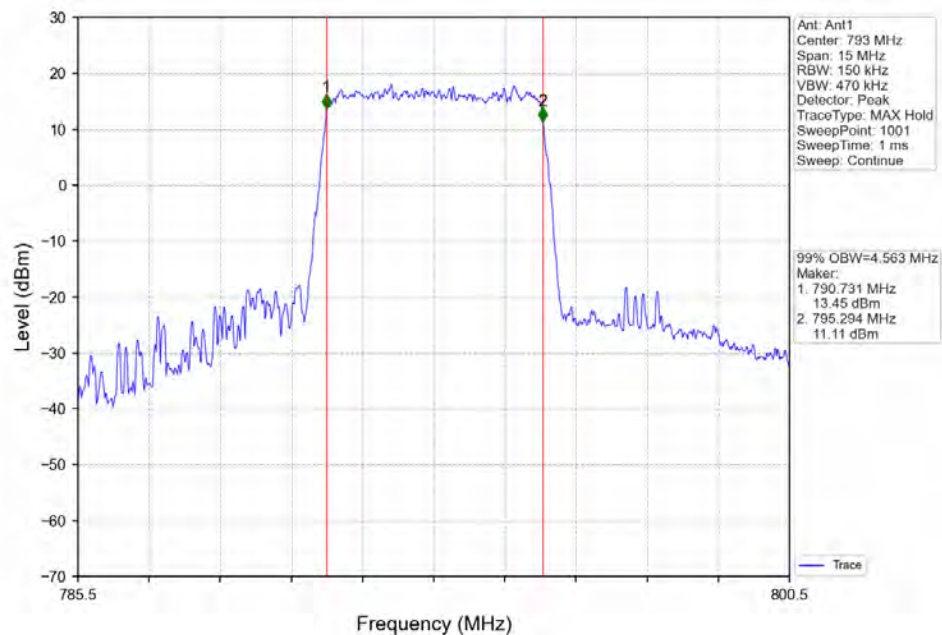




Band_14_5MHz_64QAM_LCH_790.5MHz_RB_25_0_NTNV

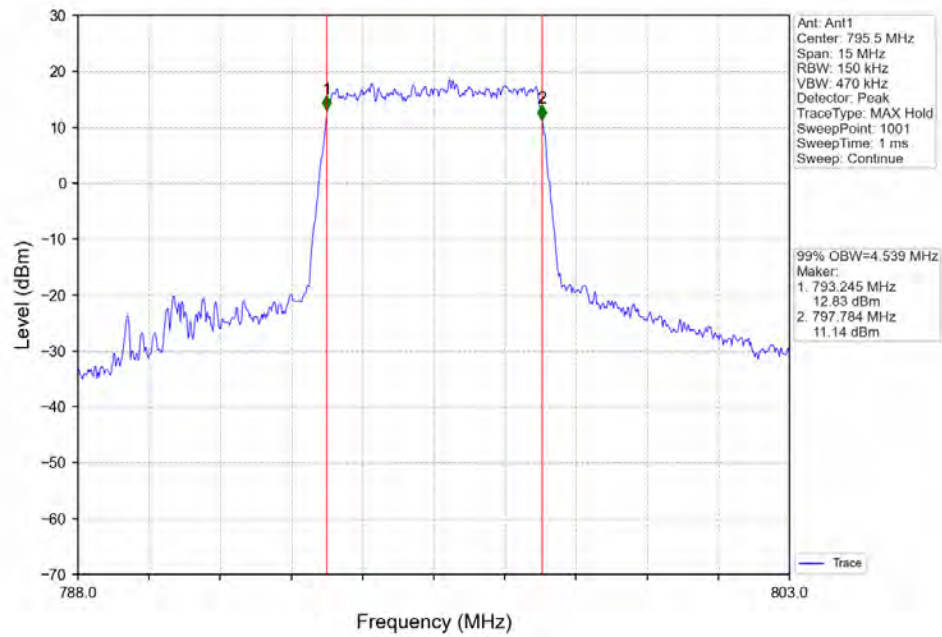


Band_14_5MHz_64QAM_MCH_793MHz_RB_25_0_NTNV



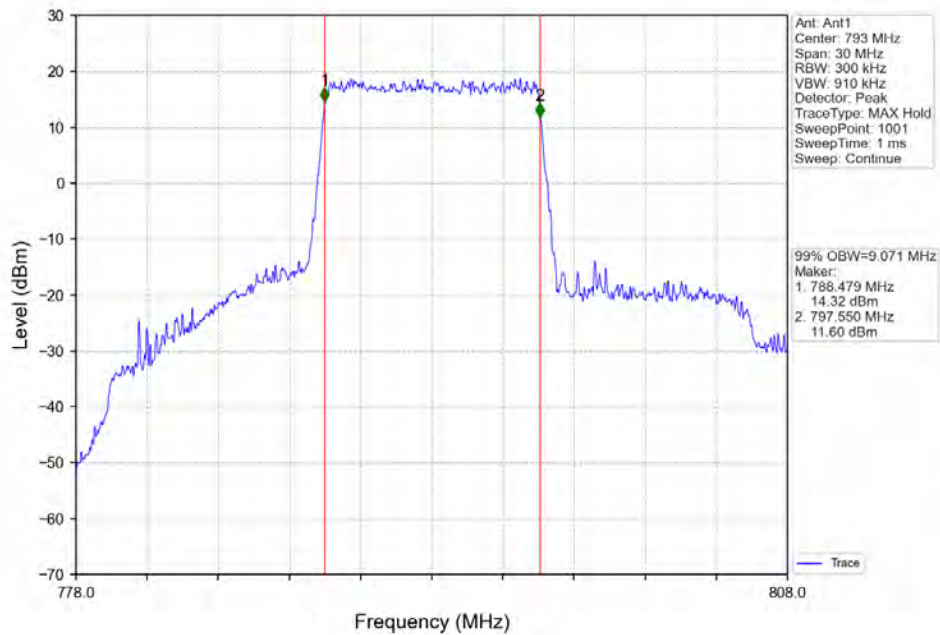


Band_14_5MHz_64QAM_HCH_795.5MHz_RB_25_0_NTNV

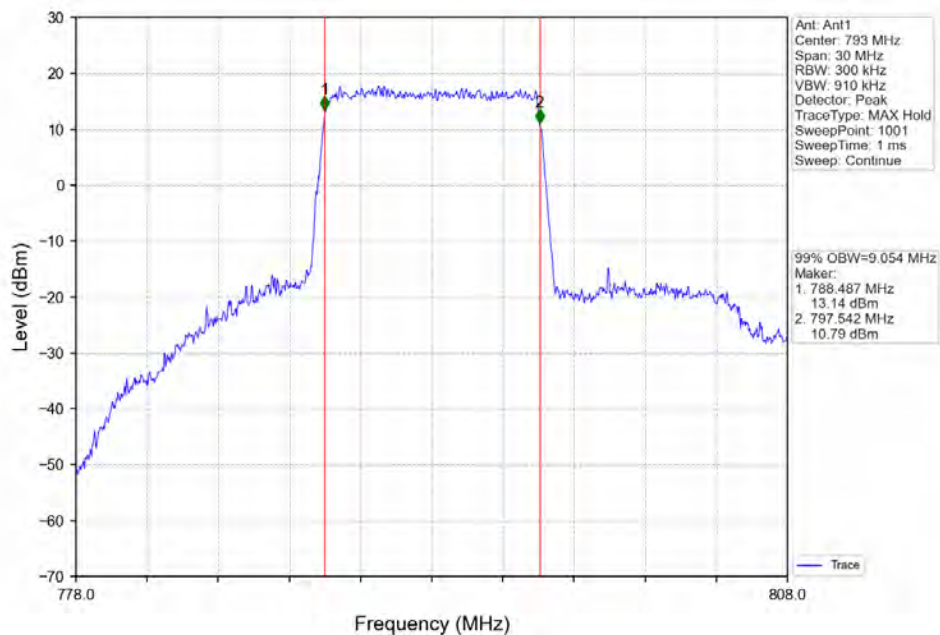


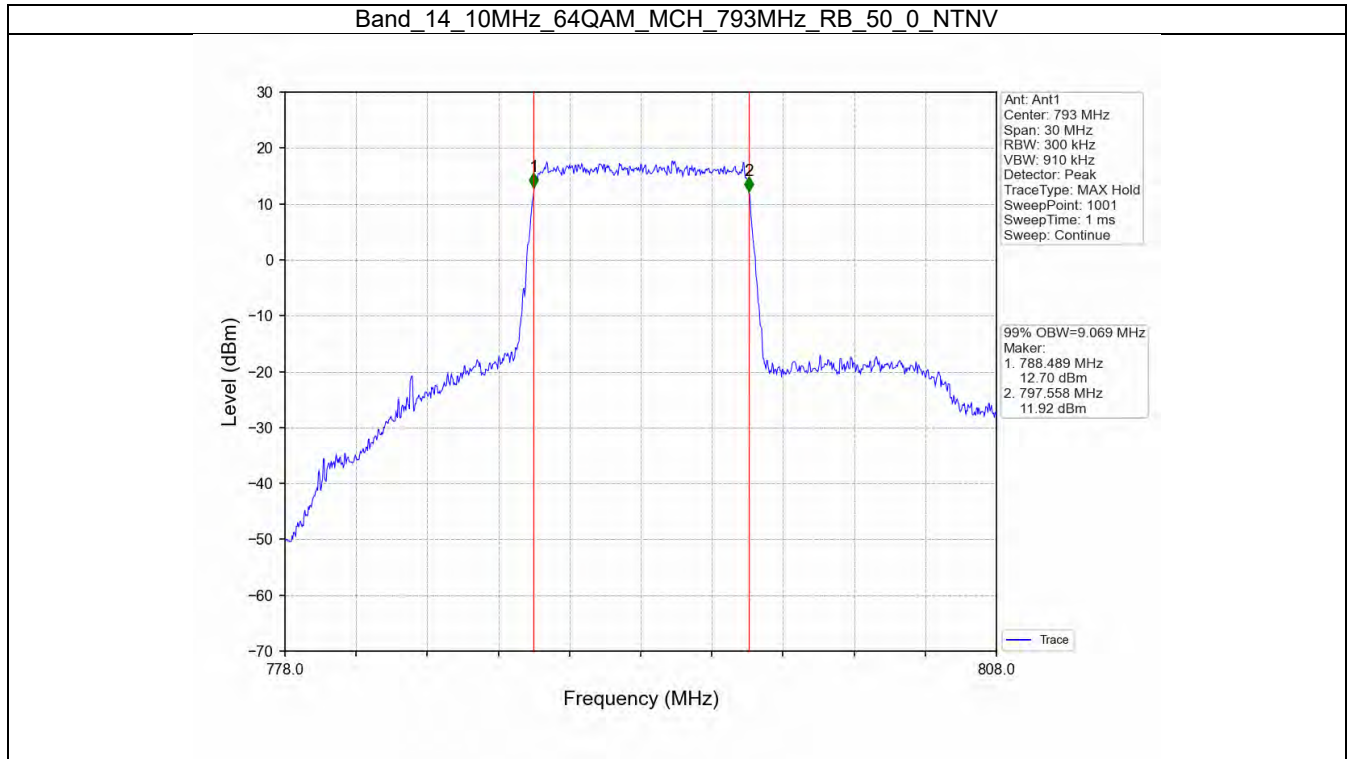


Band 14 10MHz QPSK MCH 793MHz RB 50 0 NTNV



Band 14 10MHz 16QAM MCH 793MHz RB 50 0 NTNV







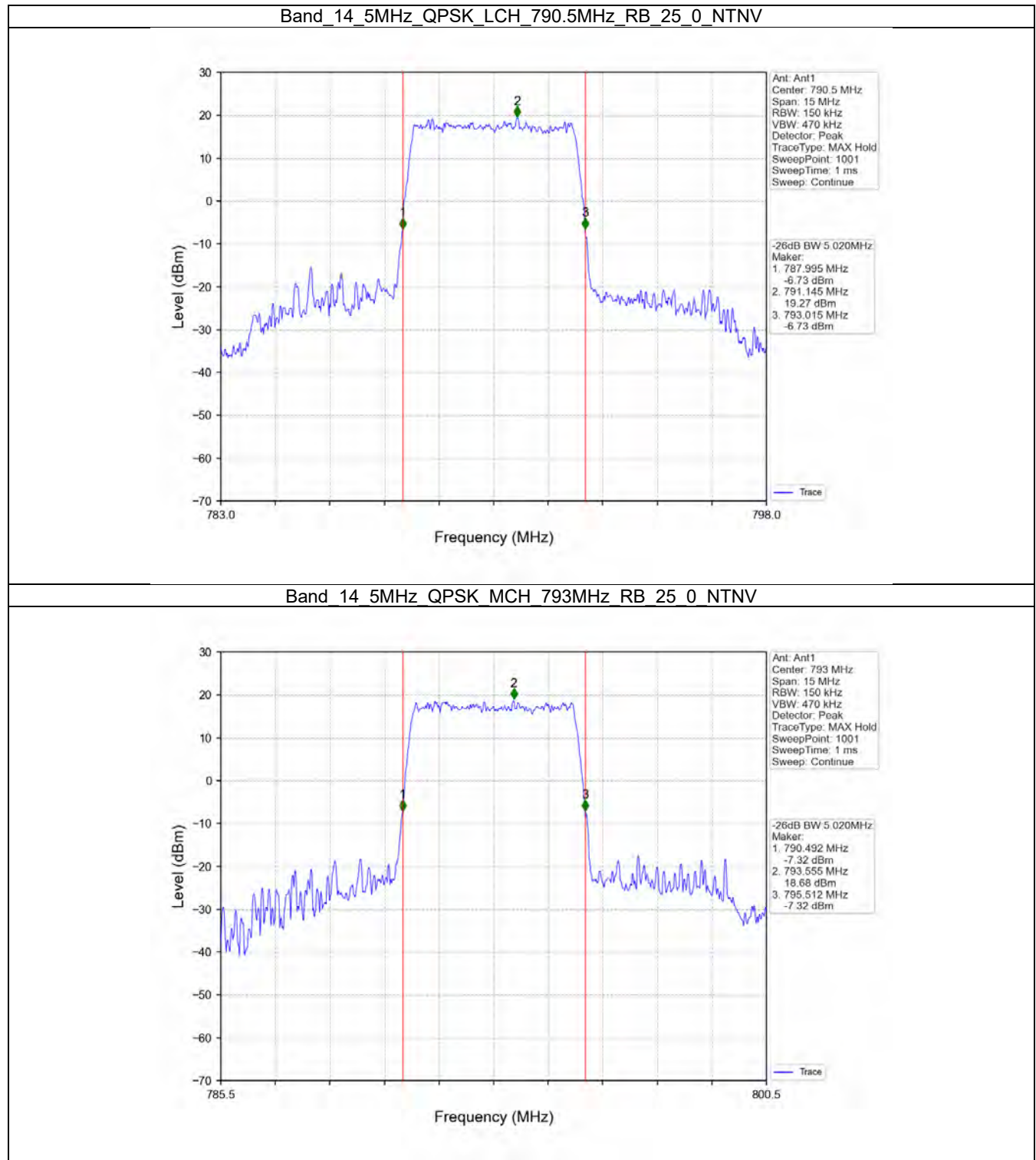
2.4 LTE Band 14 26_DB

2.4.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.020	5.020	5.044	/	Pass
16QAM	25	0	5.083	5.031	5.009	/	Pass
64QAM	25	0	5.078	5.059	5.052	/	Pass
Band: 14 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		26dB Bandwidth (MHz)			Limit (MHz)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	/	10.069	/	/	Pass
16QAM	50	0	/	9.954	/	/	Pass
64QAM	50	0	/	9.988	/	/	Pass



2.4.2 Test Graph



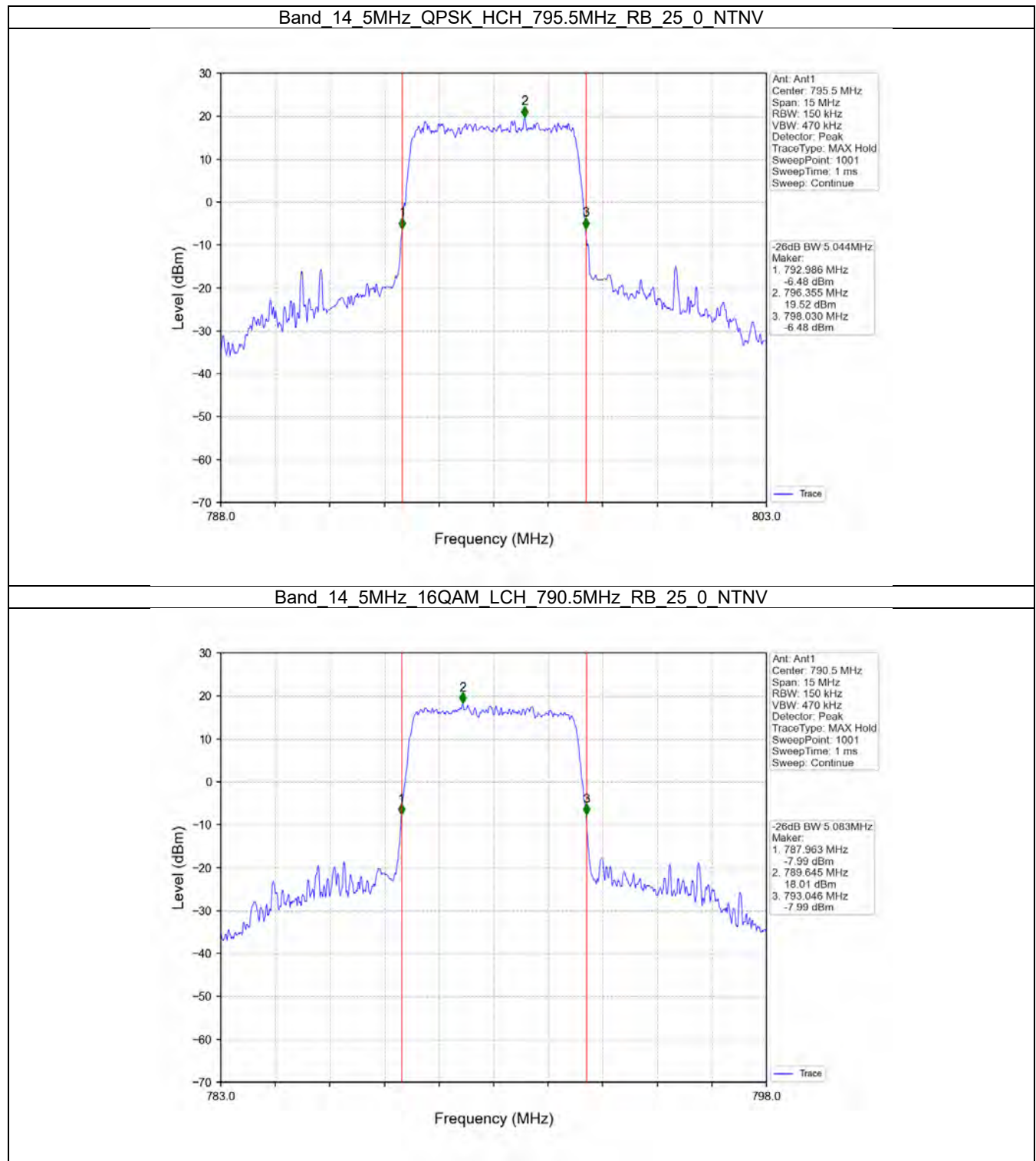
BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

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

Tel: +86 755 8869 6566

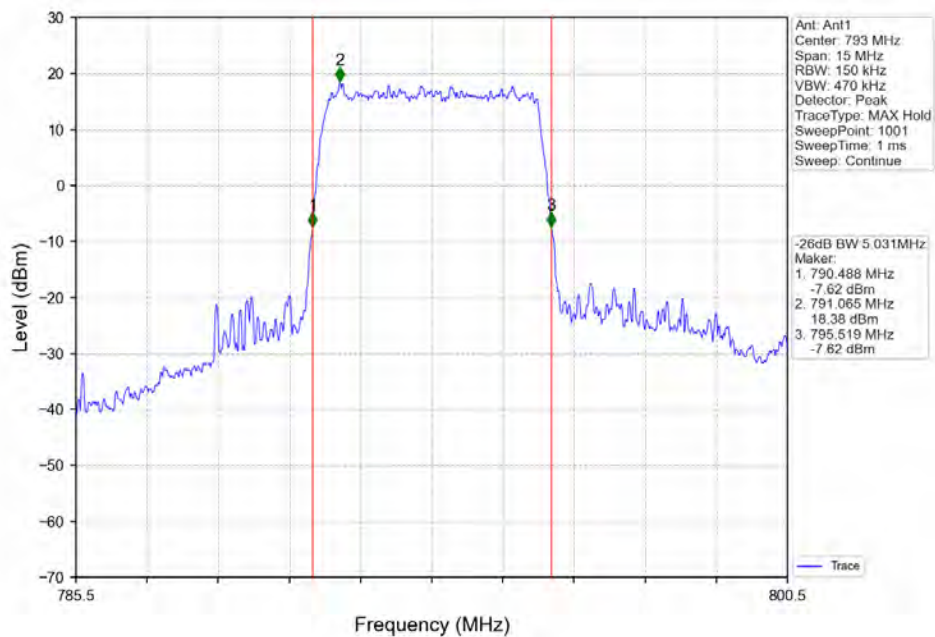
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

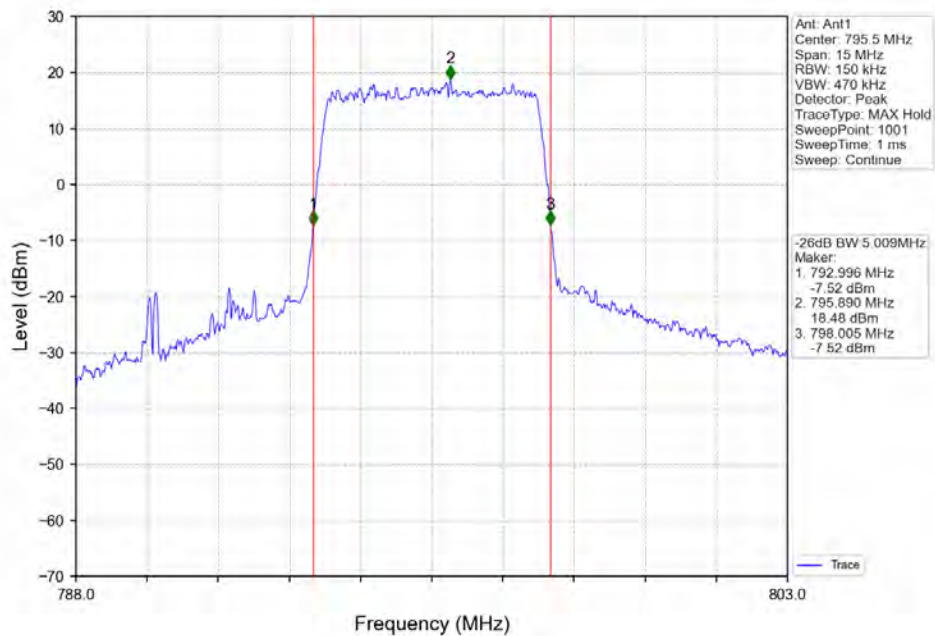




Band_14_5MHz_16QAM_MCH_793MHz_RB_25_0_NTNV

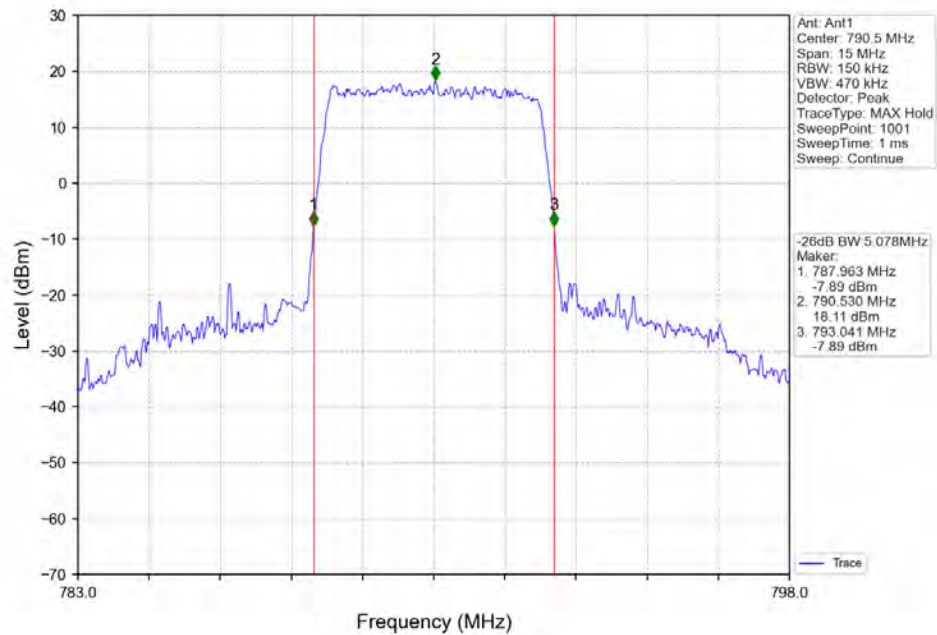


Band_14_5MHz_16QAM_HCH_795.5MHz_RB_25_0_NTNV

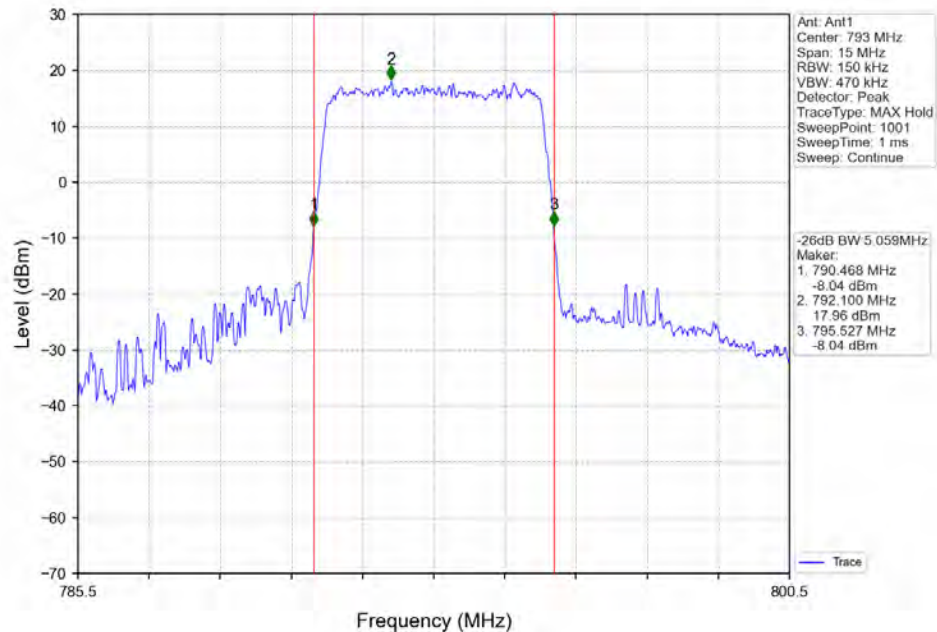




Band_14_5MHz_64QAM_LCH_790.5MHz_RB_25_0_NTNV

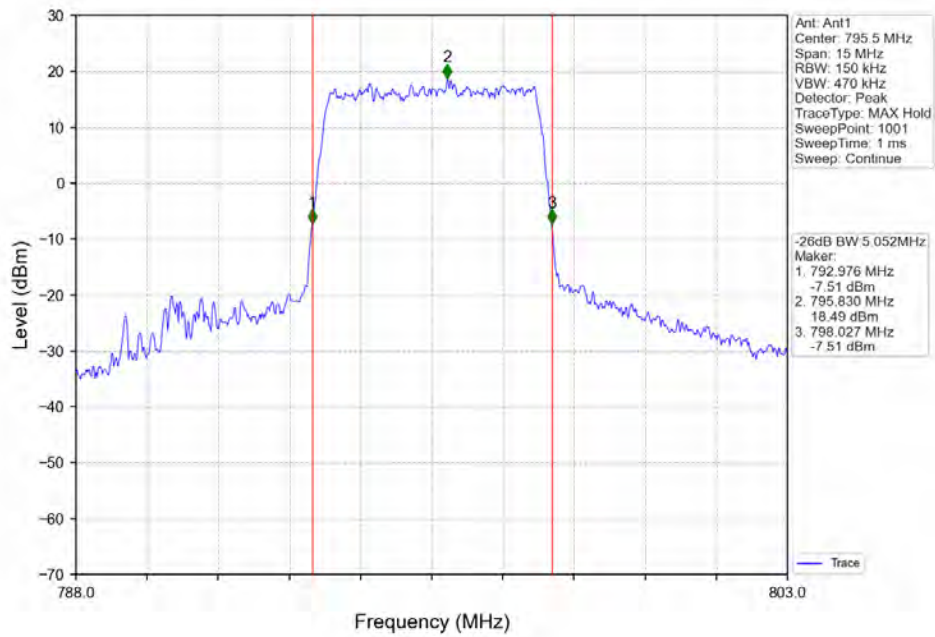


Band_14_5MHz_64QAM_MCH_793MHz_RB_25_0_NTNV

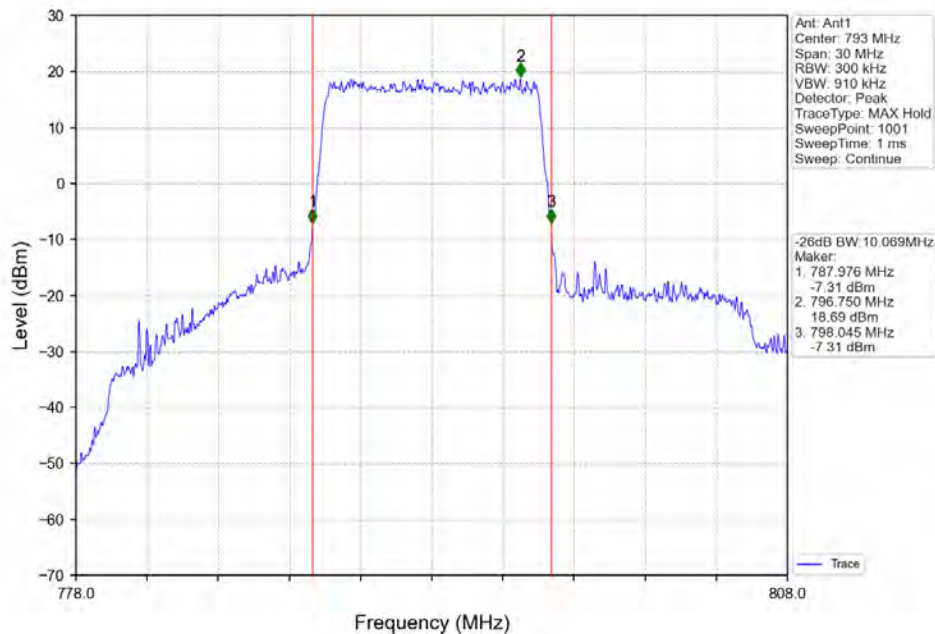




Band_14_5MHz_64QAM_HCH_795.5MHz_RB_25_0_NTNV

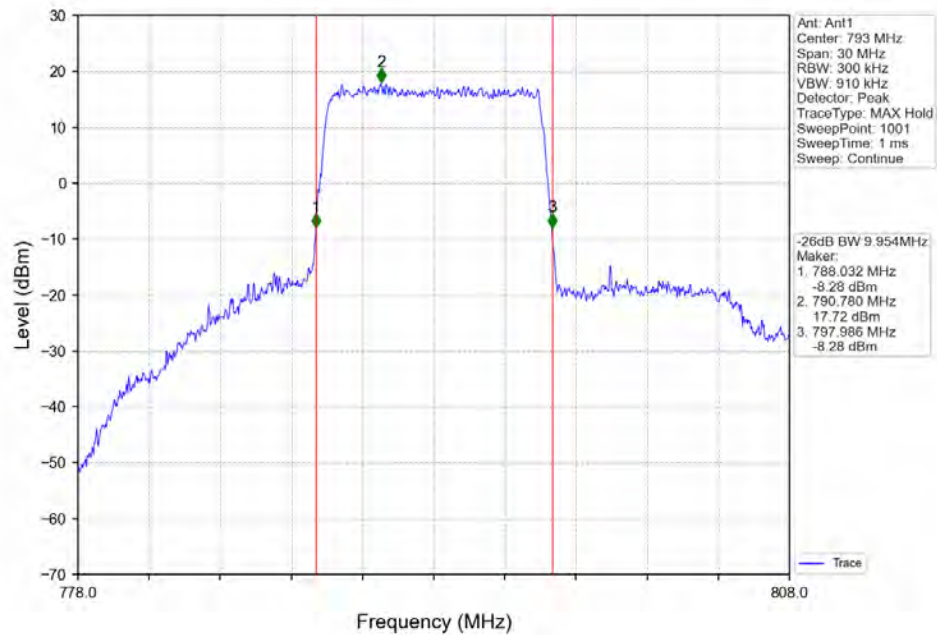


Band_14_10MHz_QPSK_MCH_793MHz_RB_50_0_NTNV

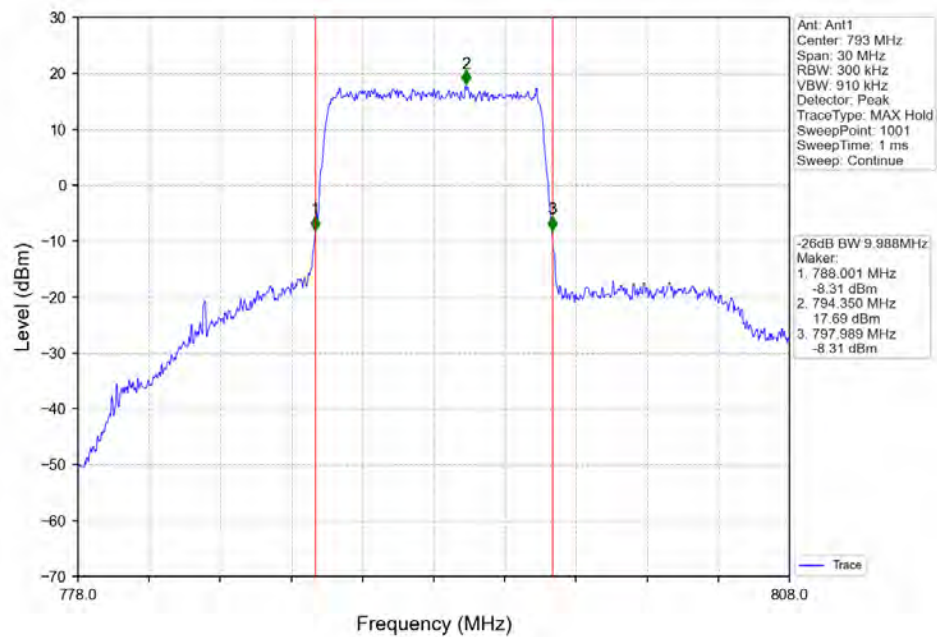




Band_14_10MHz_16QAM_MCH_793MHz_RB_50_0_NTNV



Band_14_10MHz_64QAM_MCH_793MHz_RB_50_0_NTNV





3. Peak-Average Ratio

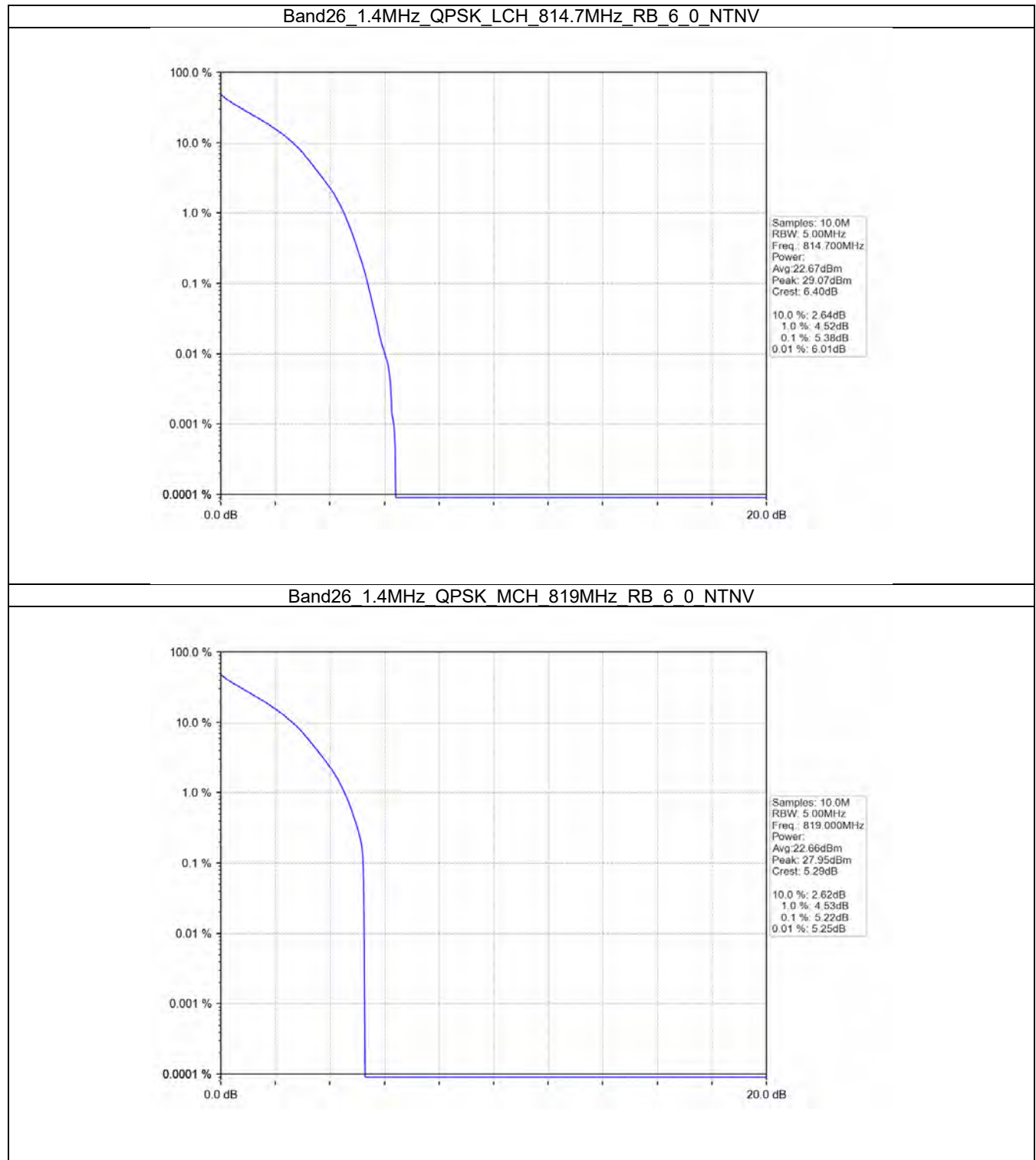
3.1 LTE Band 26_1.4MHz

3.1.1 Test Result

Band: 26 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	6	0	5.38	5.22	5.46	<=13	Pass
16QAM	6	0	6.07	6.13	6.33	<=13	Pass
64QAM	6	0	6.19	6.06	6.27	<=13	Pass
Band: 26 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	15	0	5.24	5.15	5.35	<=13	Pass
16QAM	15	0	6.02	6.05	6.19	<=13	Pass
64QAM	15	0	6.03	6.03	6.18	<=13	Pass
Band: 26 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.32	5.21	5.33	<=13	Pass
16QAM	25	0	6.04	6.05	6.4.0	<=13	Pass
64QAM	25	0	6.08	6.05	6.11	<=13	Pass
Band: 26 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	4.58	4.59	4.59	<=13	Pass
16QAM	50	0	6.00	6.00	6.01	<=13	Pass
64QAM	50	0	5.98	6.00	6.00	<=13	Pass



3.1.2 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

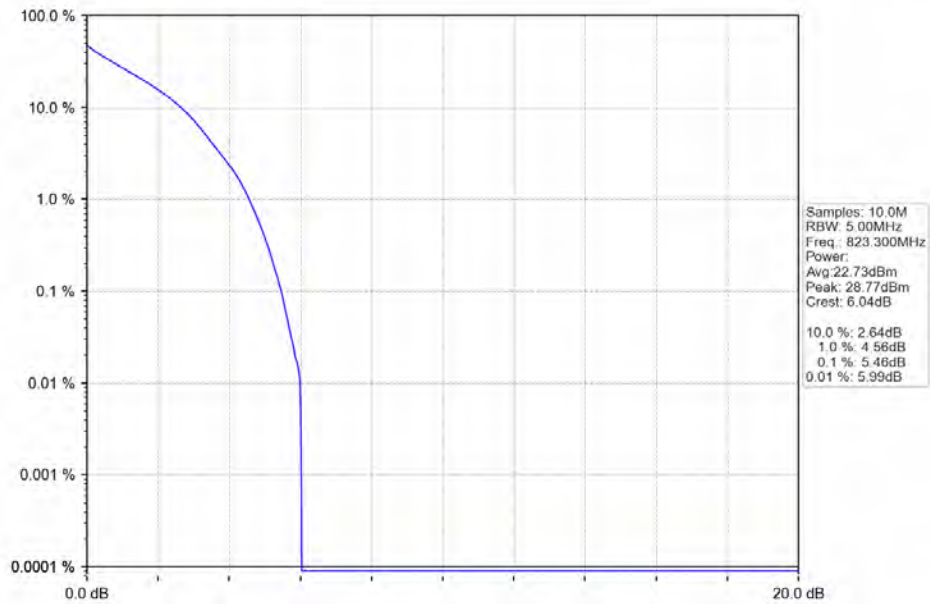
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

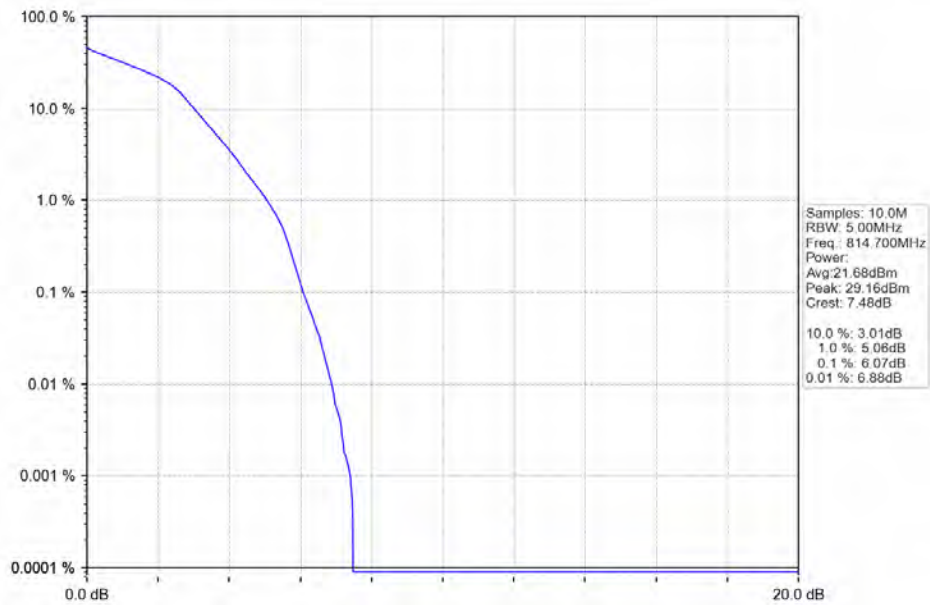
Email: customerservice.sw@bureauveritas.com



Band26_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

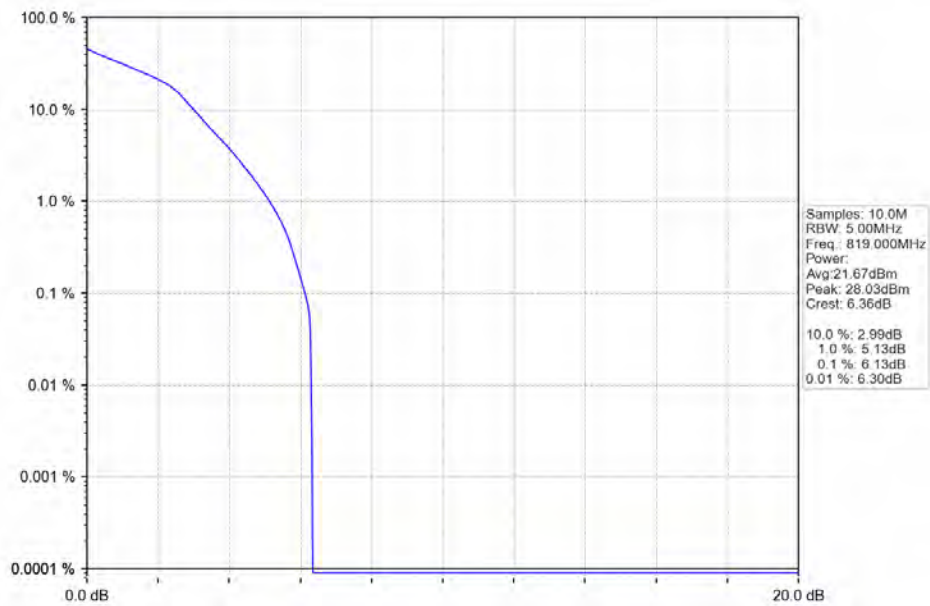


Band26_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV

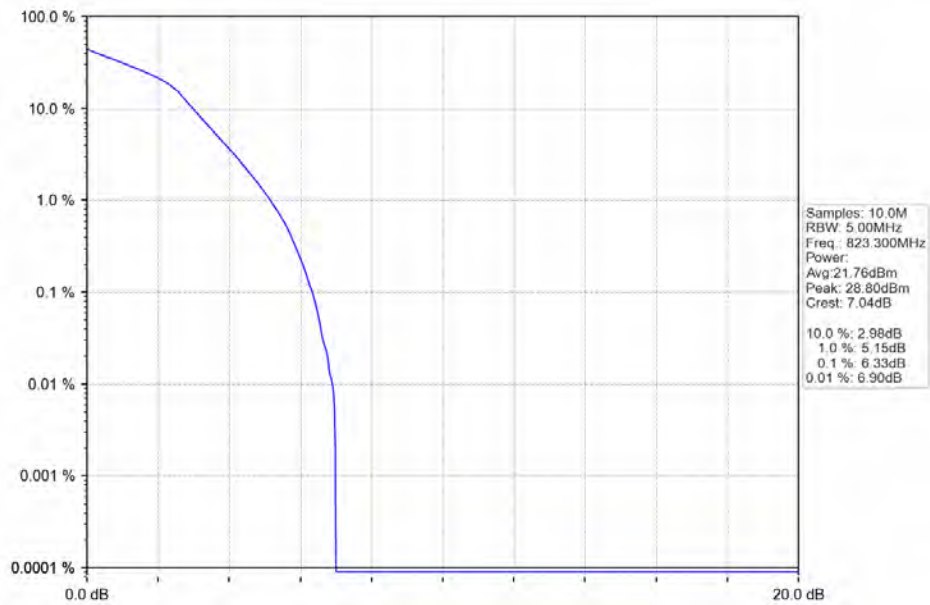




Band26_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

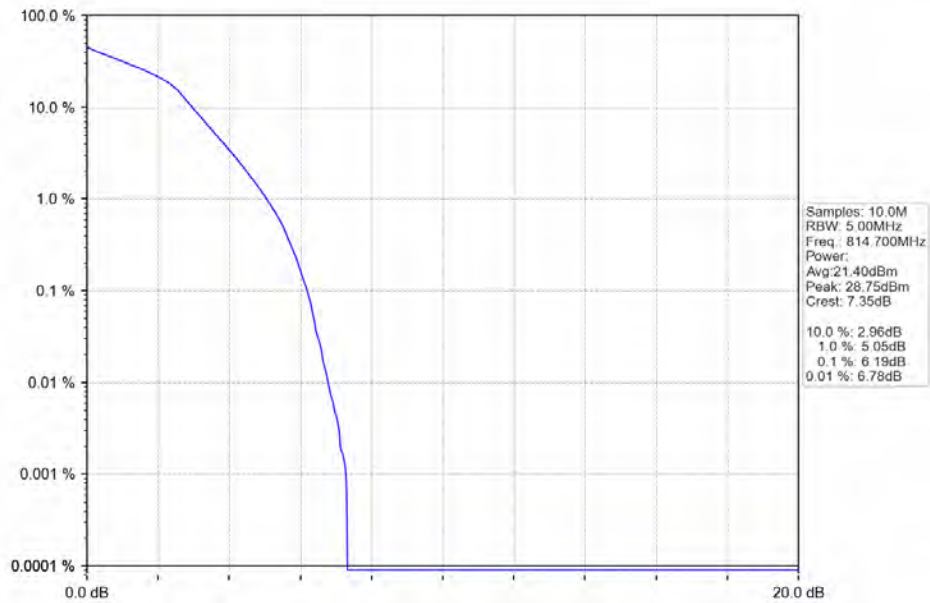


Band26_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV

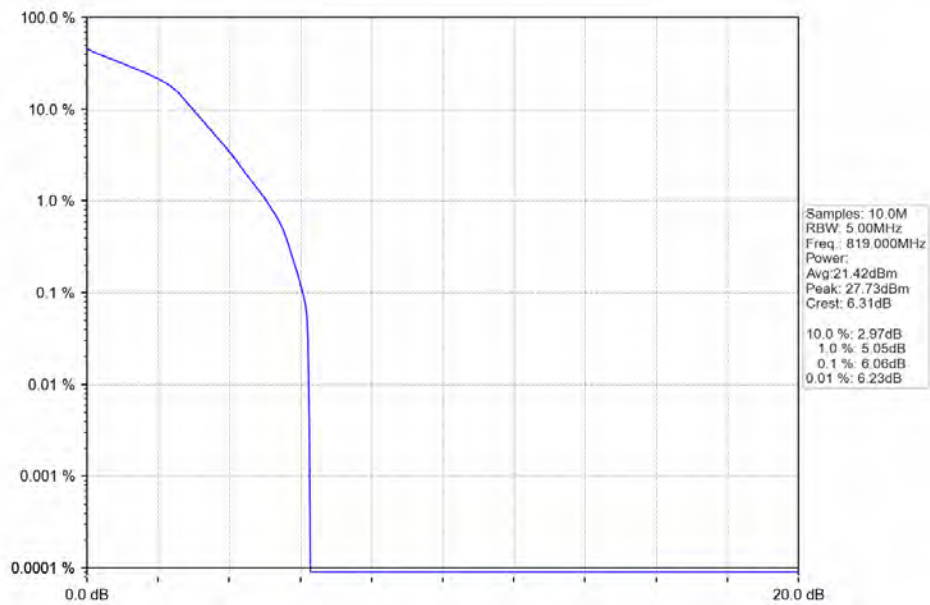




Band26_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV

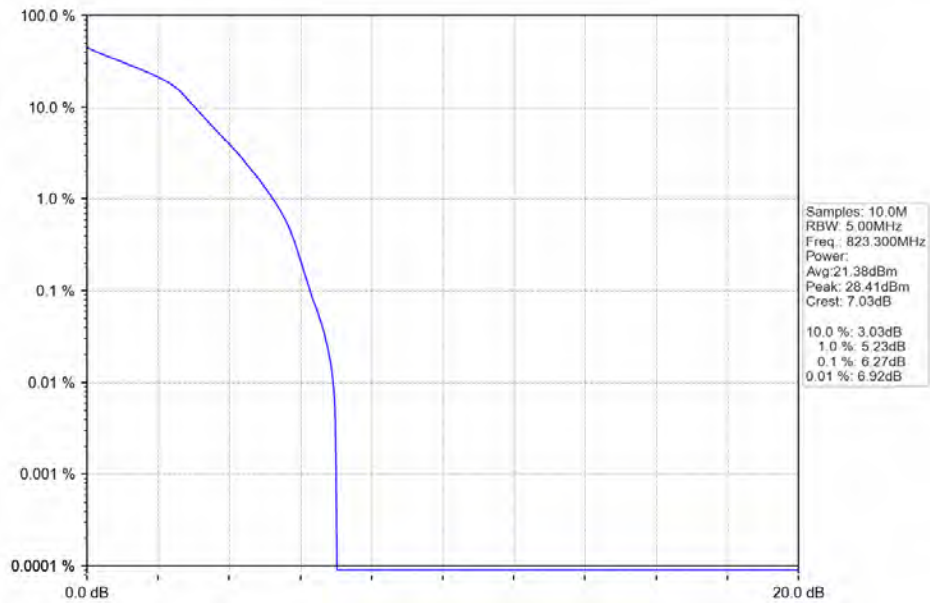


Band26_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



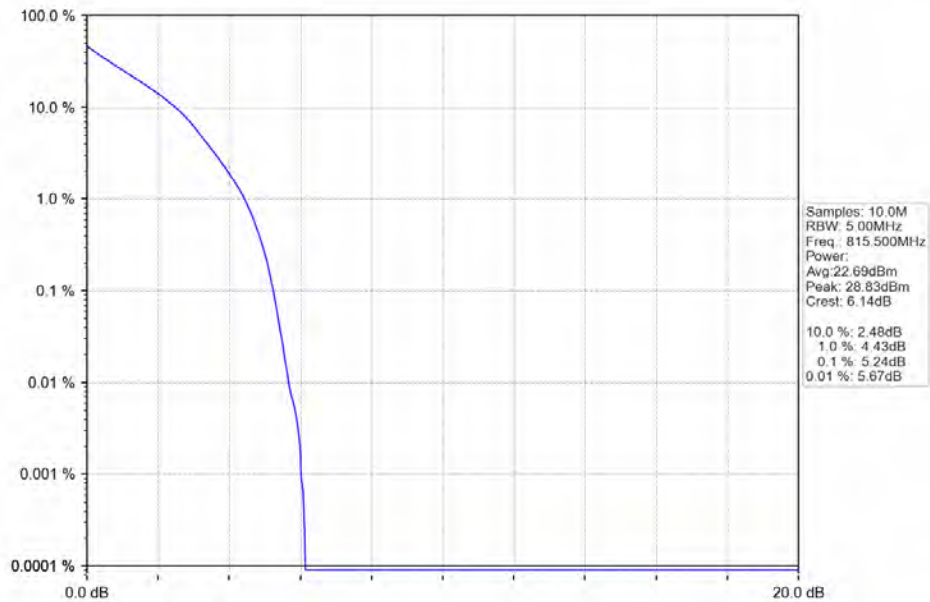


Band26_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV

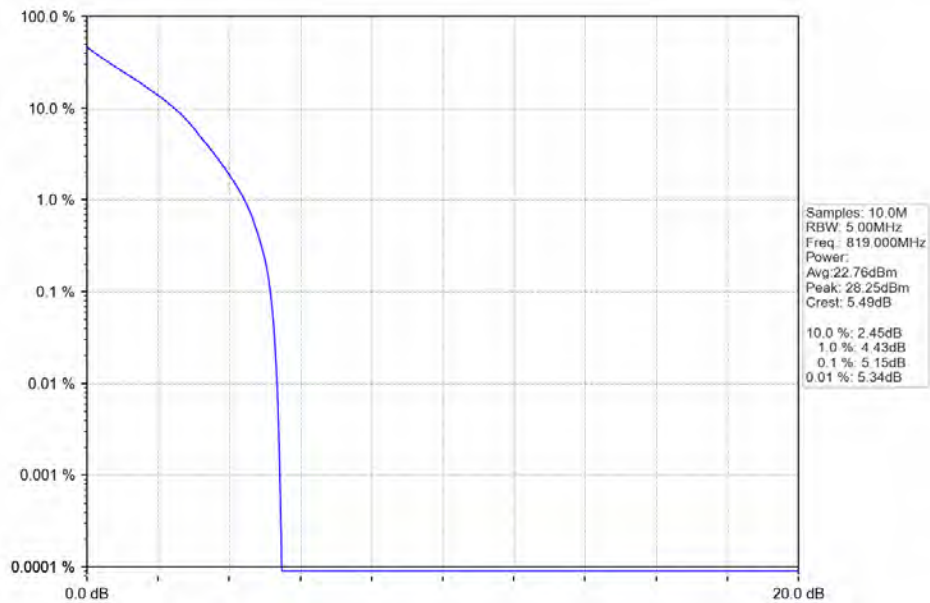




Band26_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

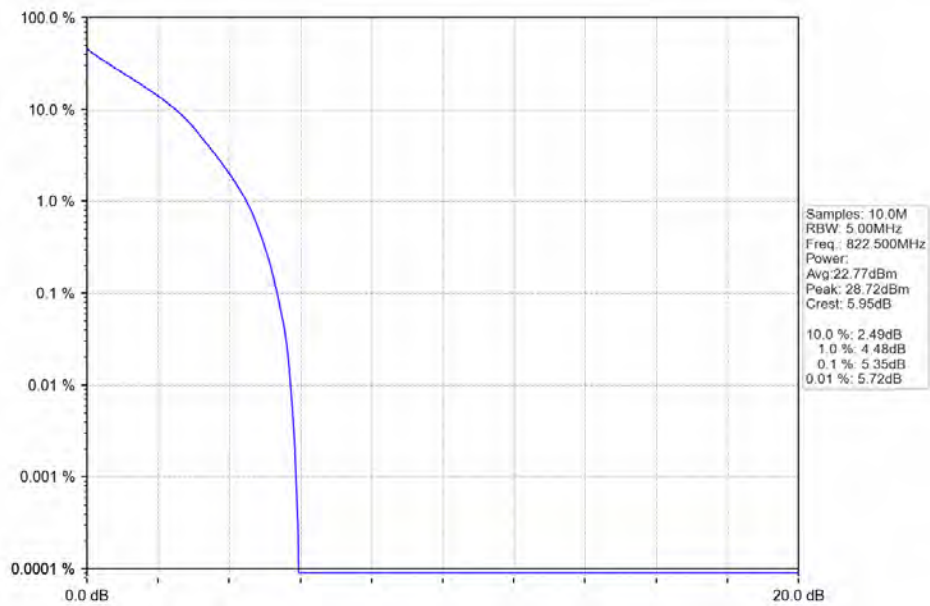


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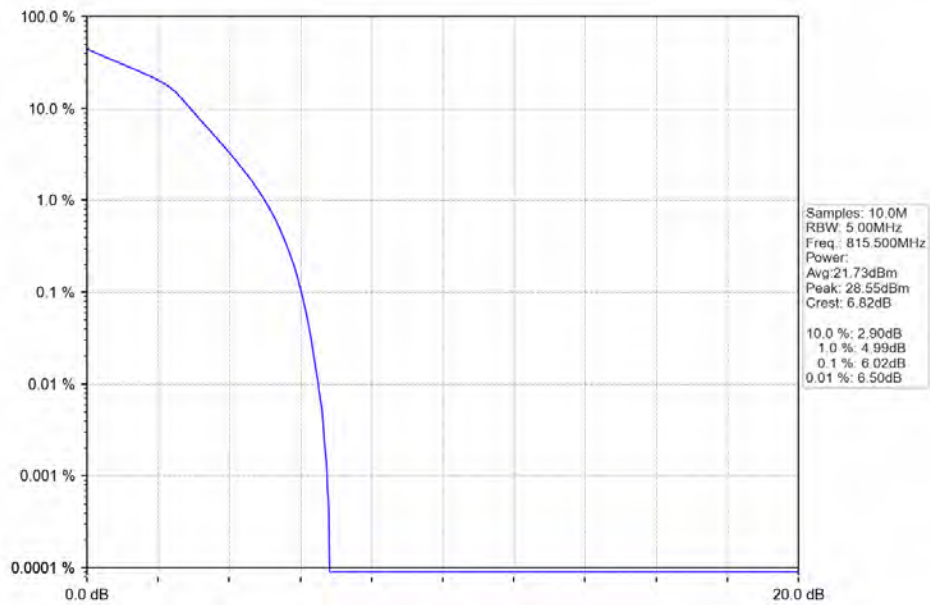




Band26_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV

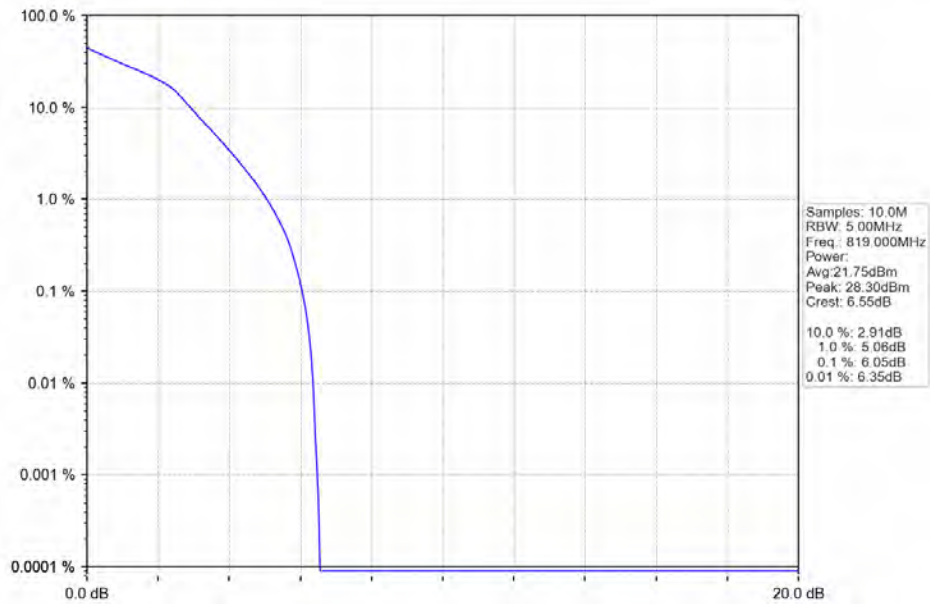


Band26_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV

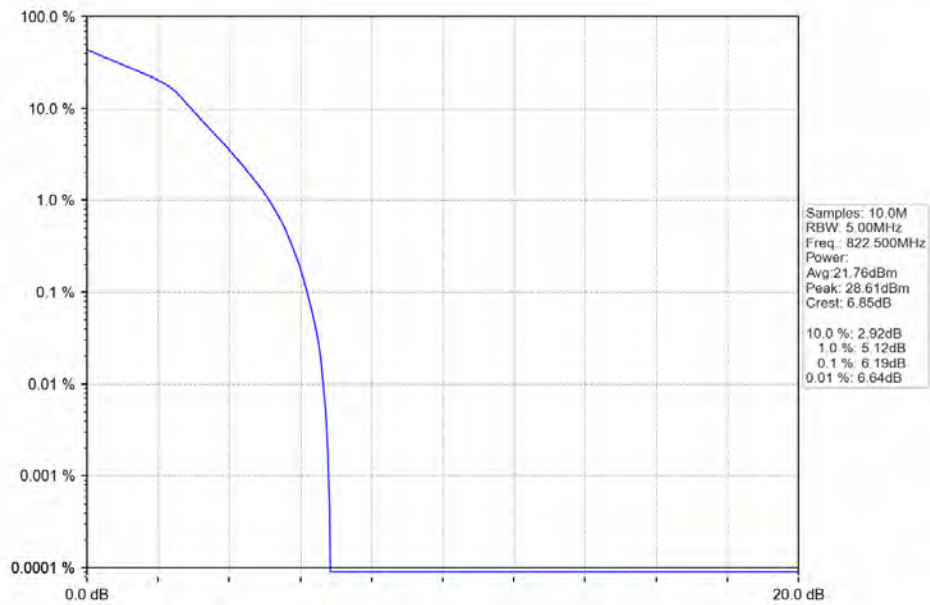




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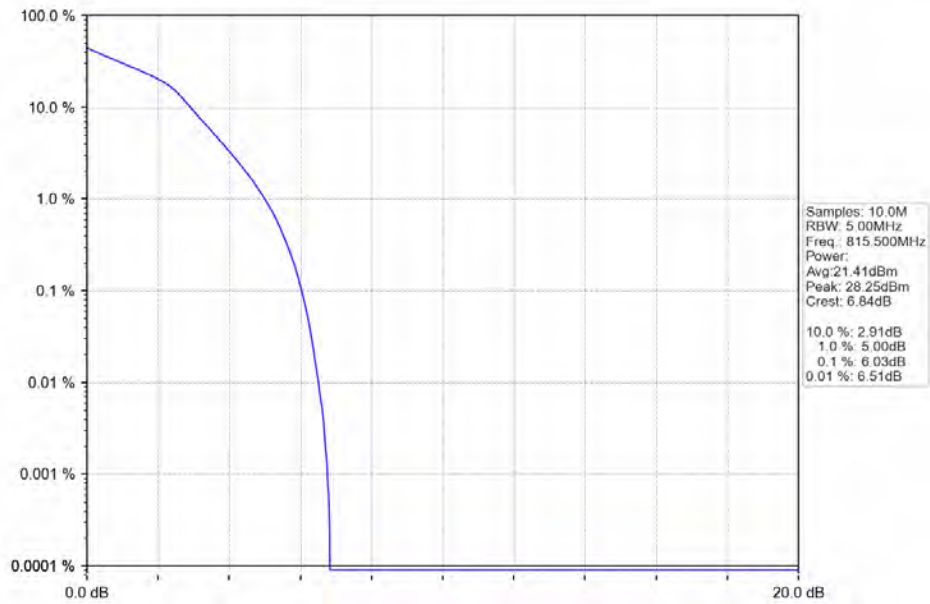


Band26_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

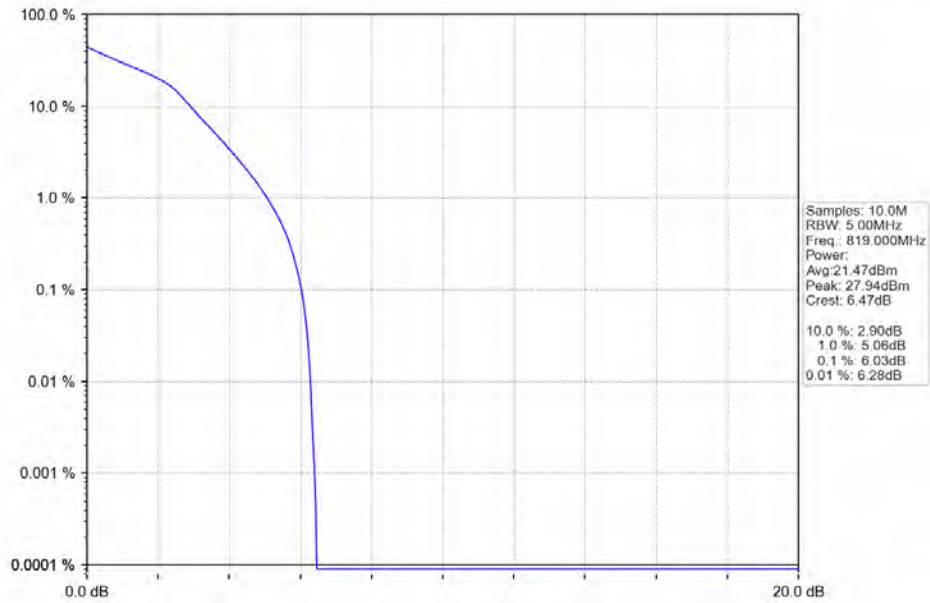


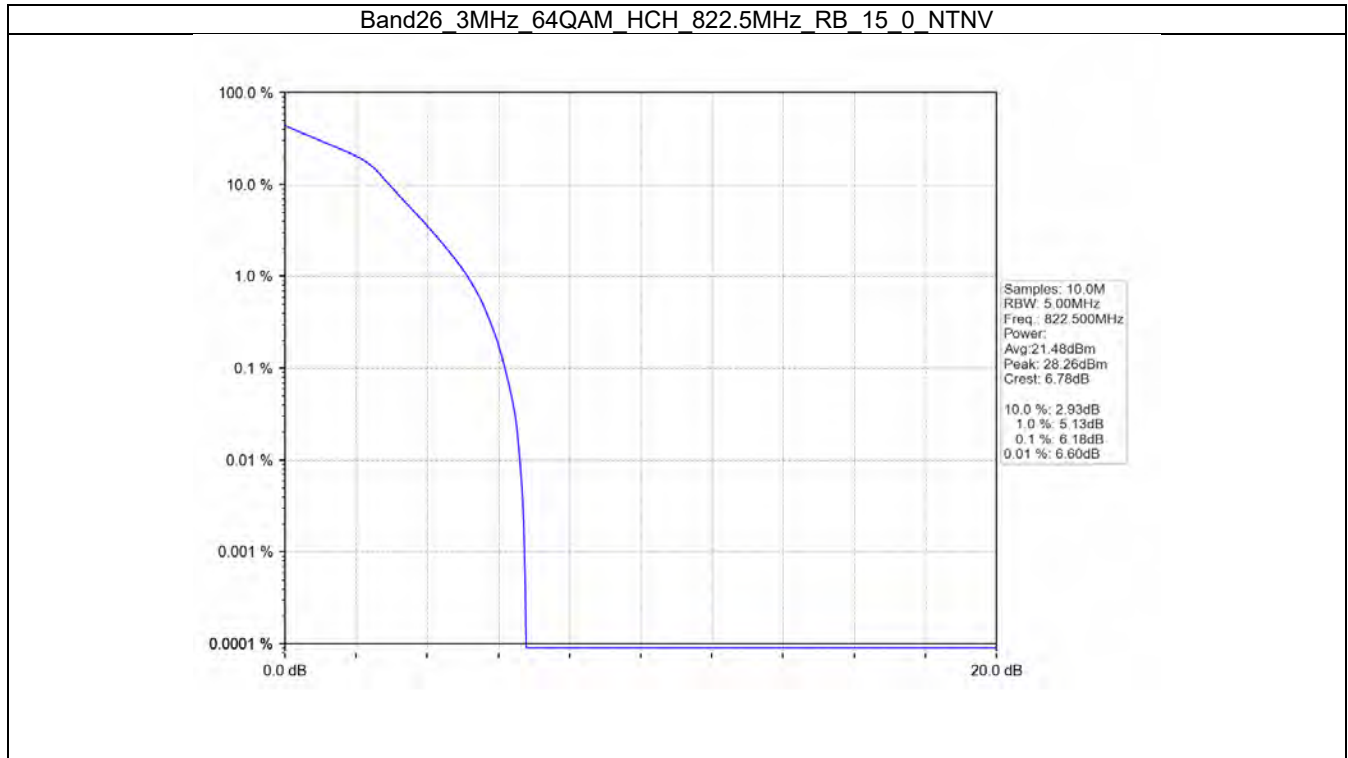


Band26_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



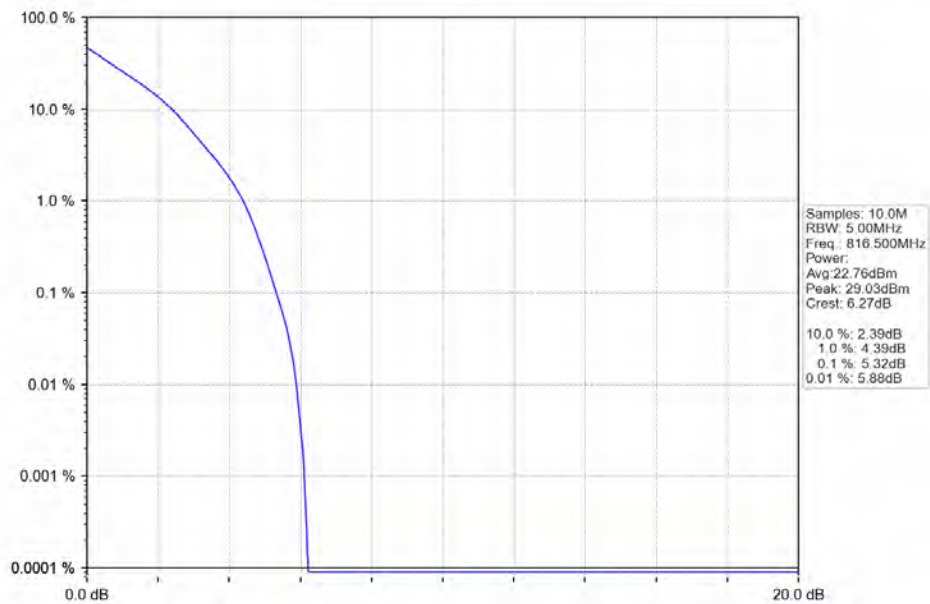
Band26_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



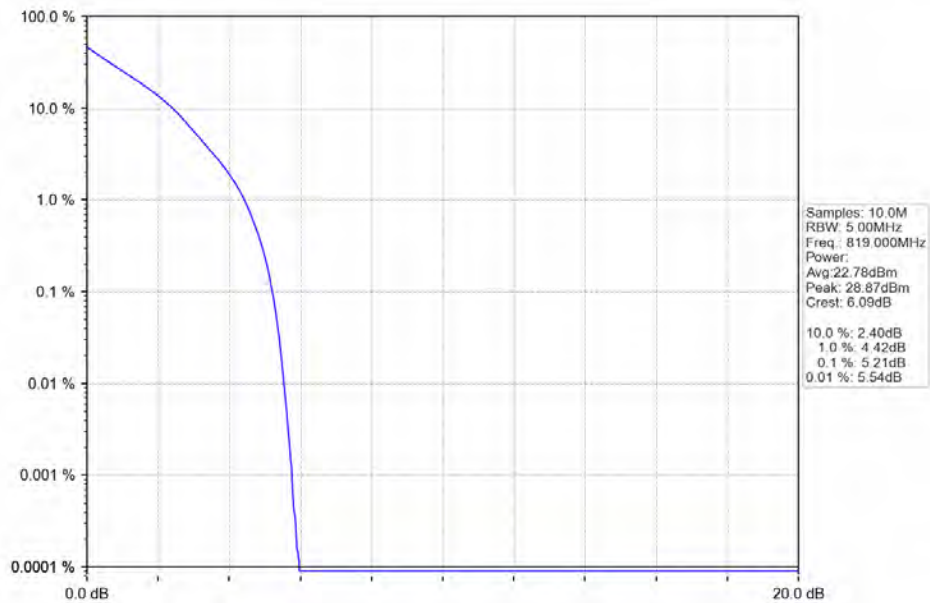




Band26_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

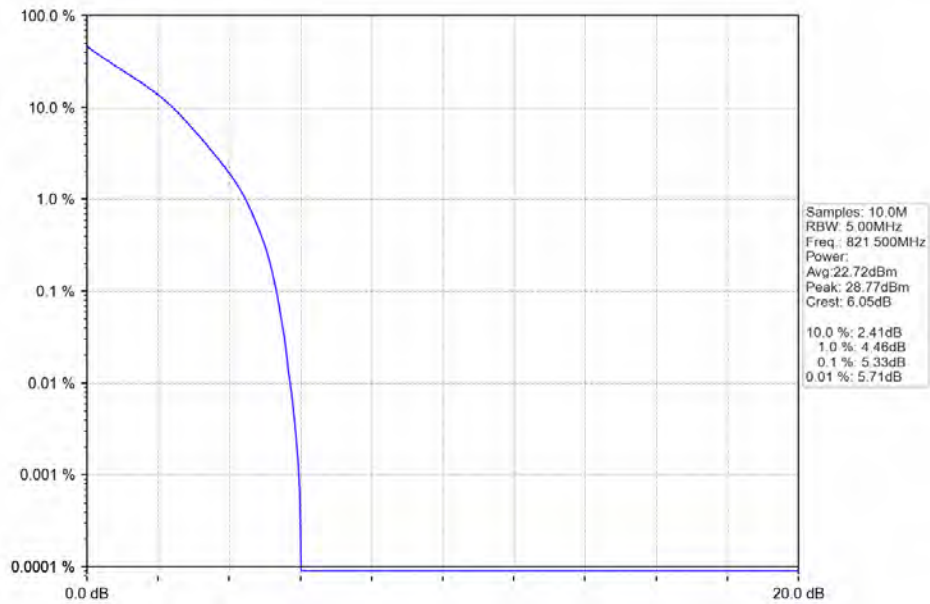


Band26_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

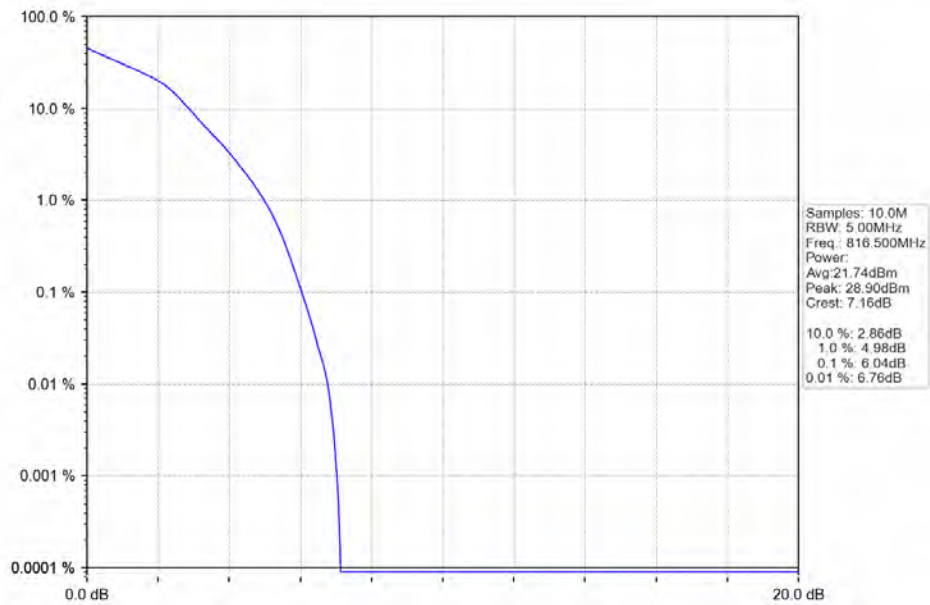




Band26_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

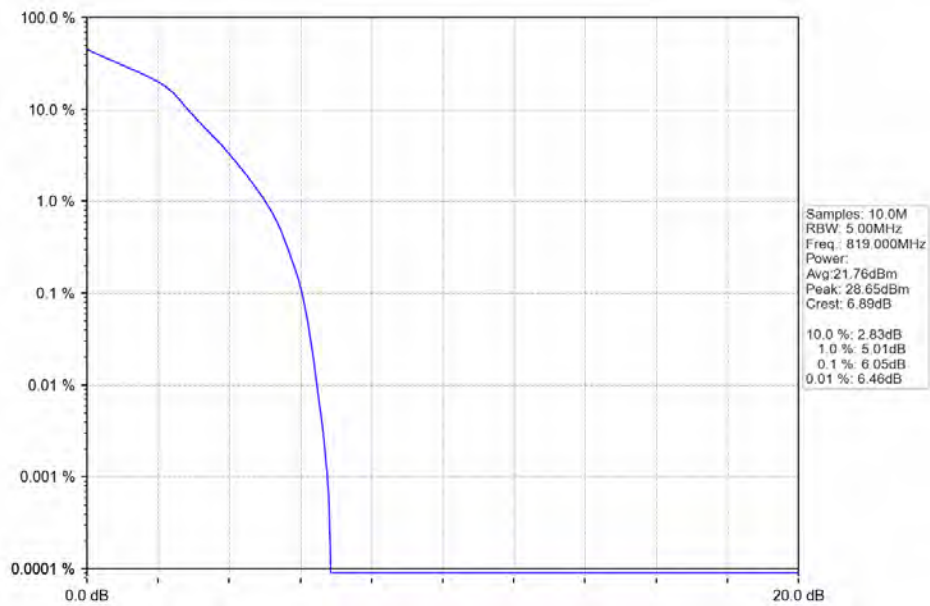


Band26_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV

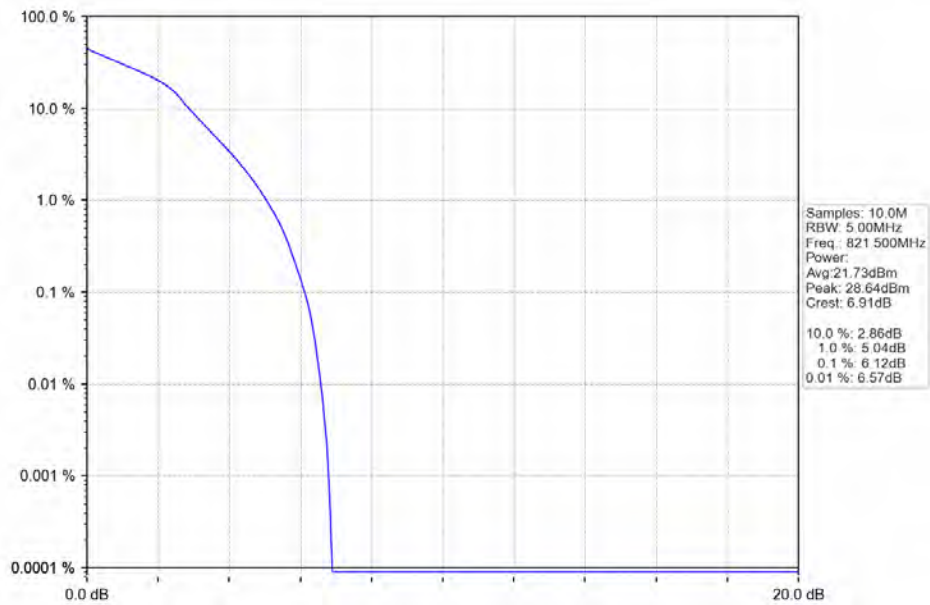




Band26_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

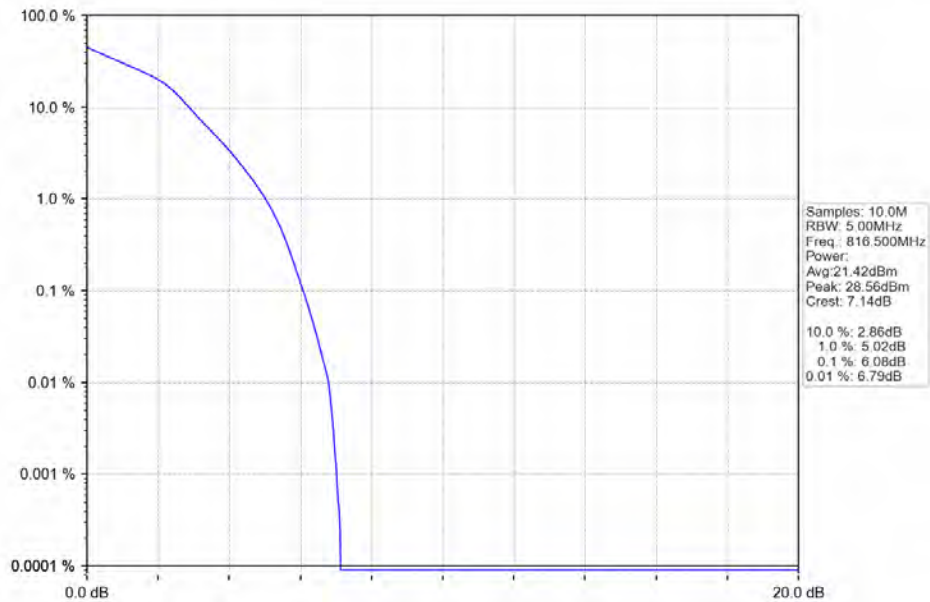


Band26_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV

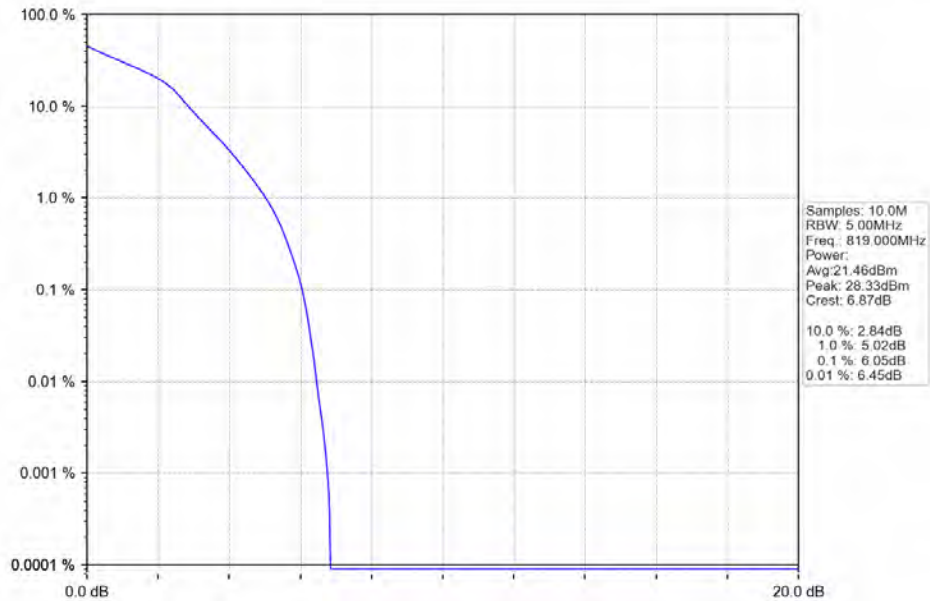


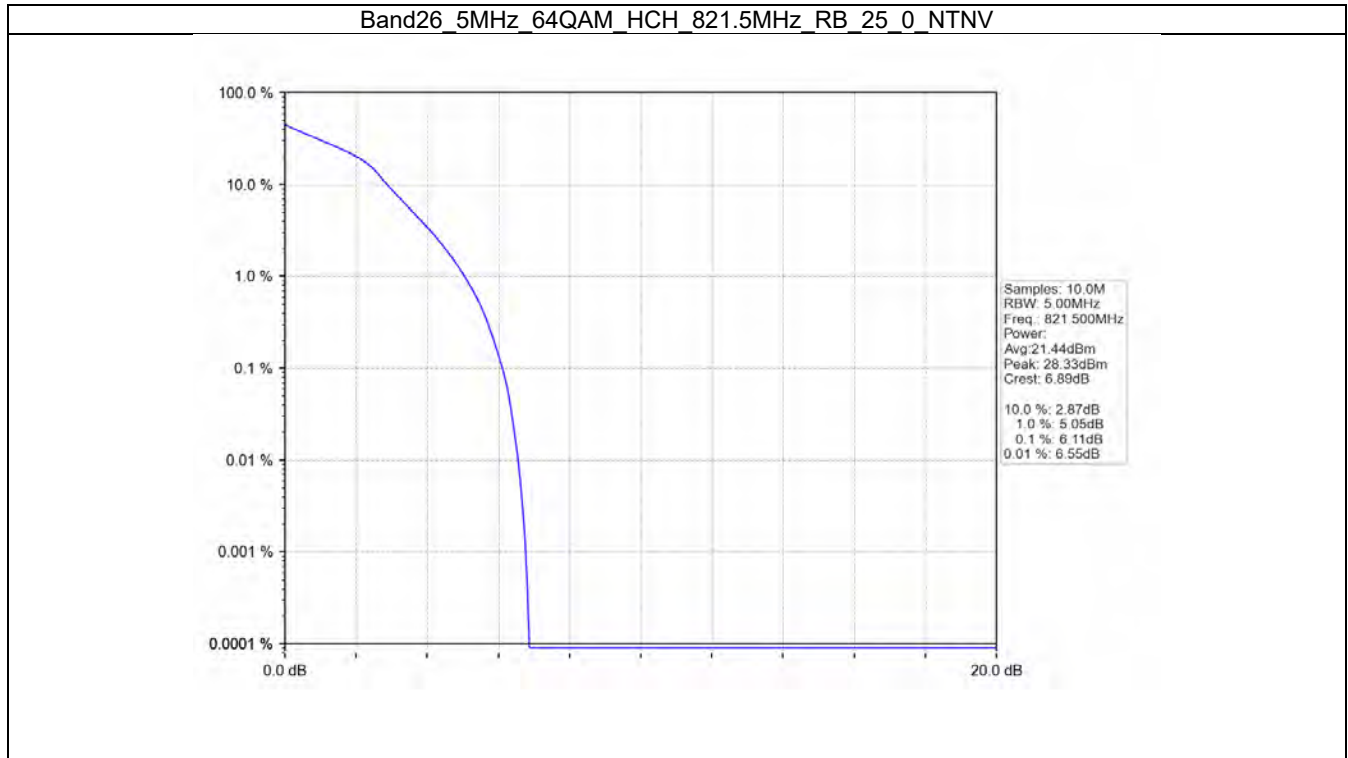


Band26_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



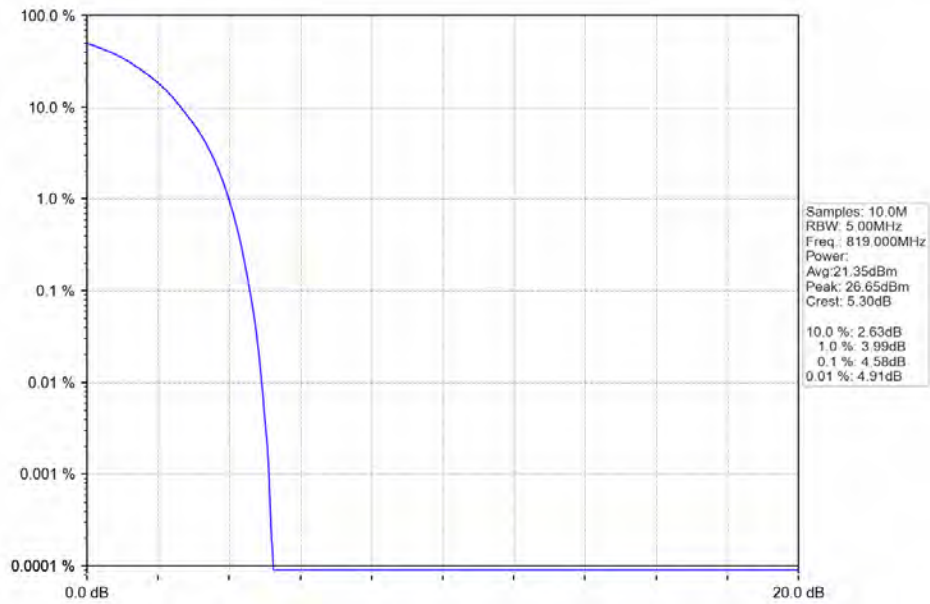
Band26_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



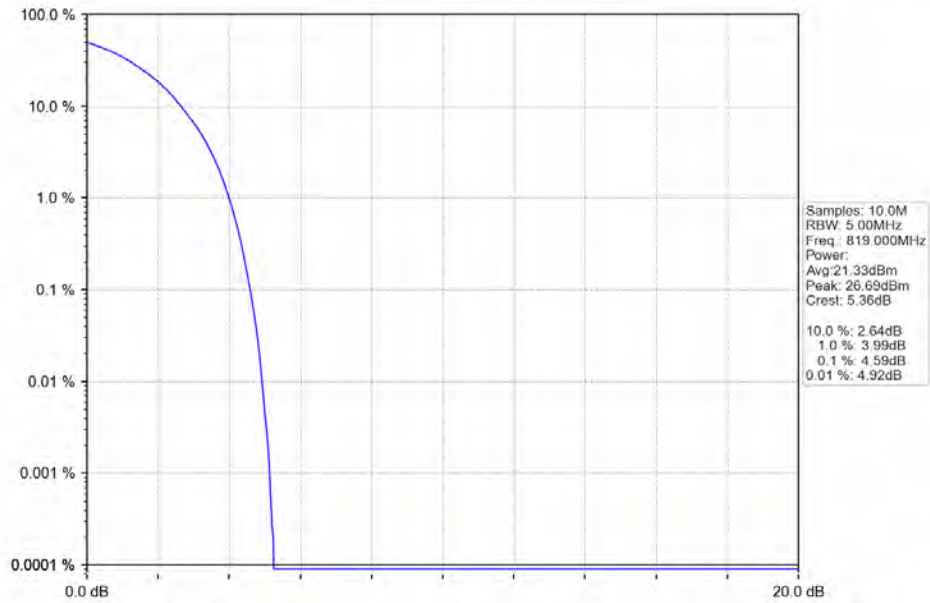




Band26_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV

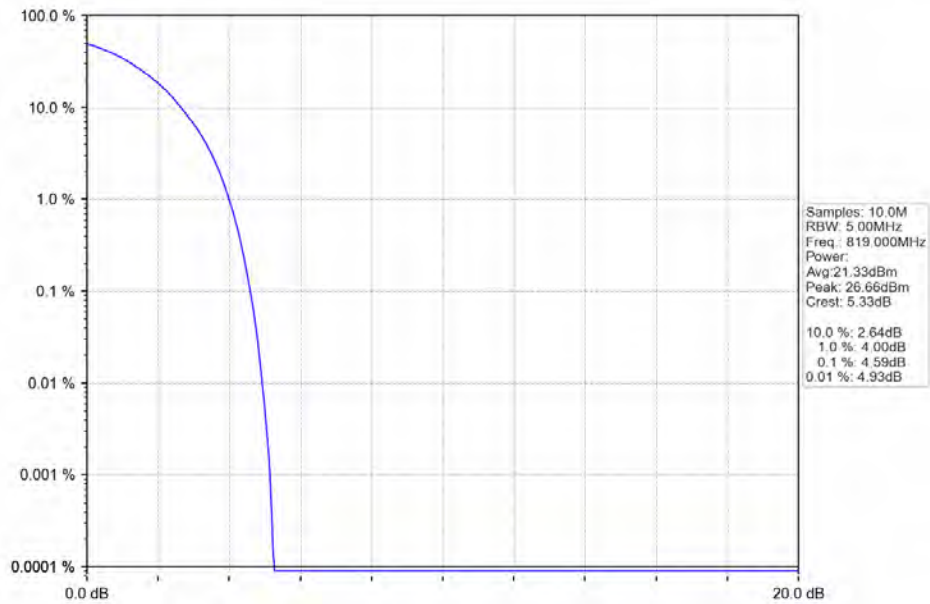


Band26_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

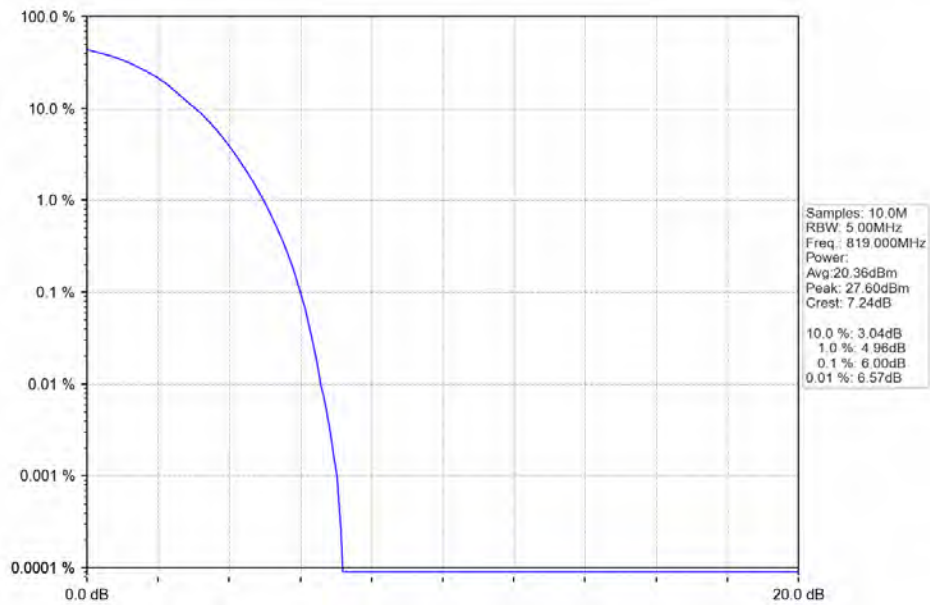




Band26_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV

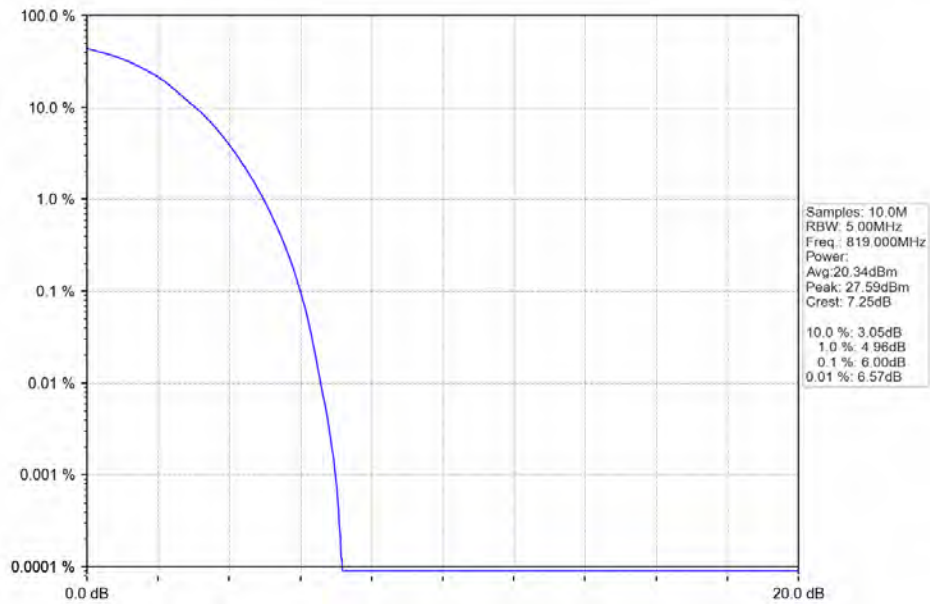


Band26_10MHz_16QAM_LCH_819MHz_RB_50_0_NTNV

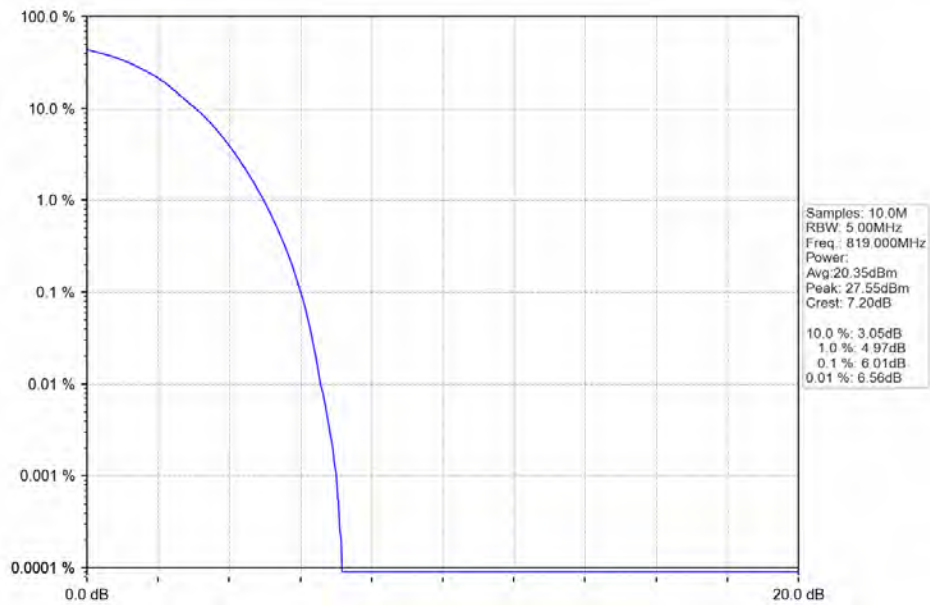




Band26_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV

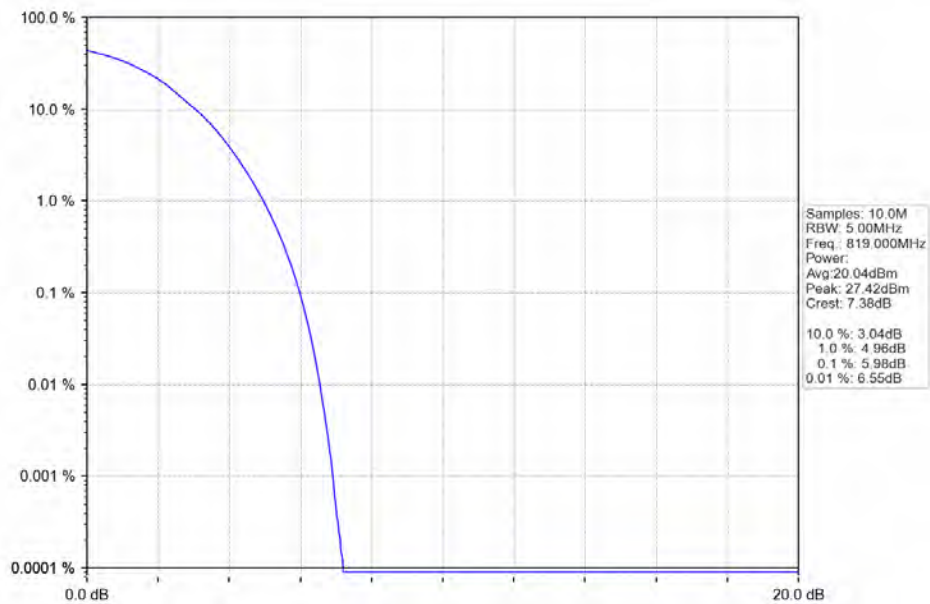


Band26_10MHz_16QAM_HCH_819MHz_RB_50_0_NTNV

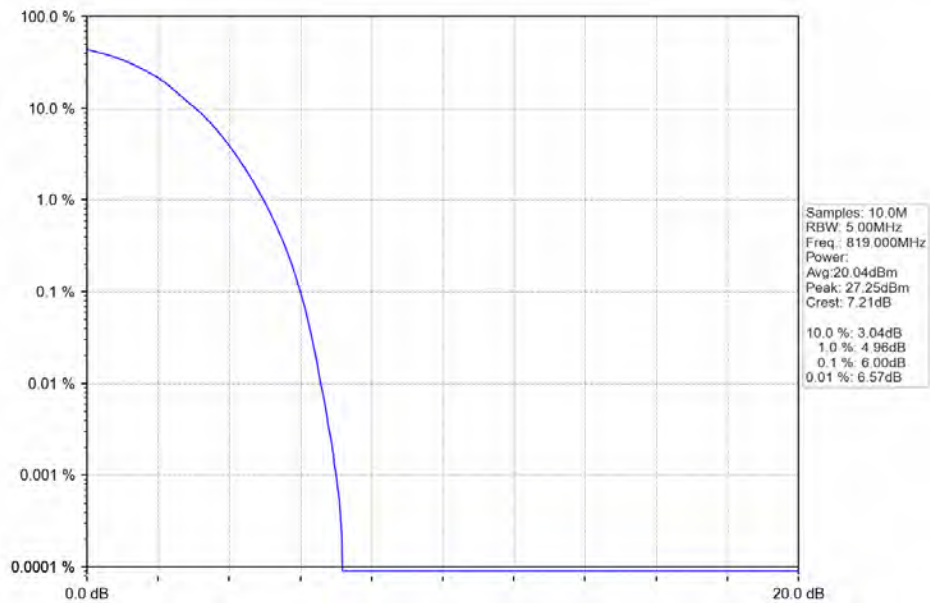


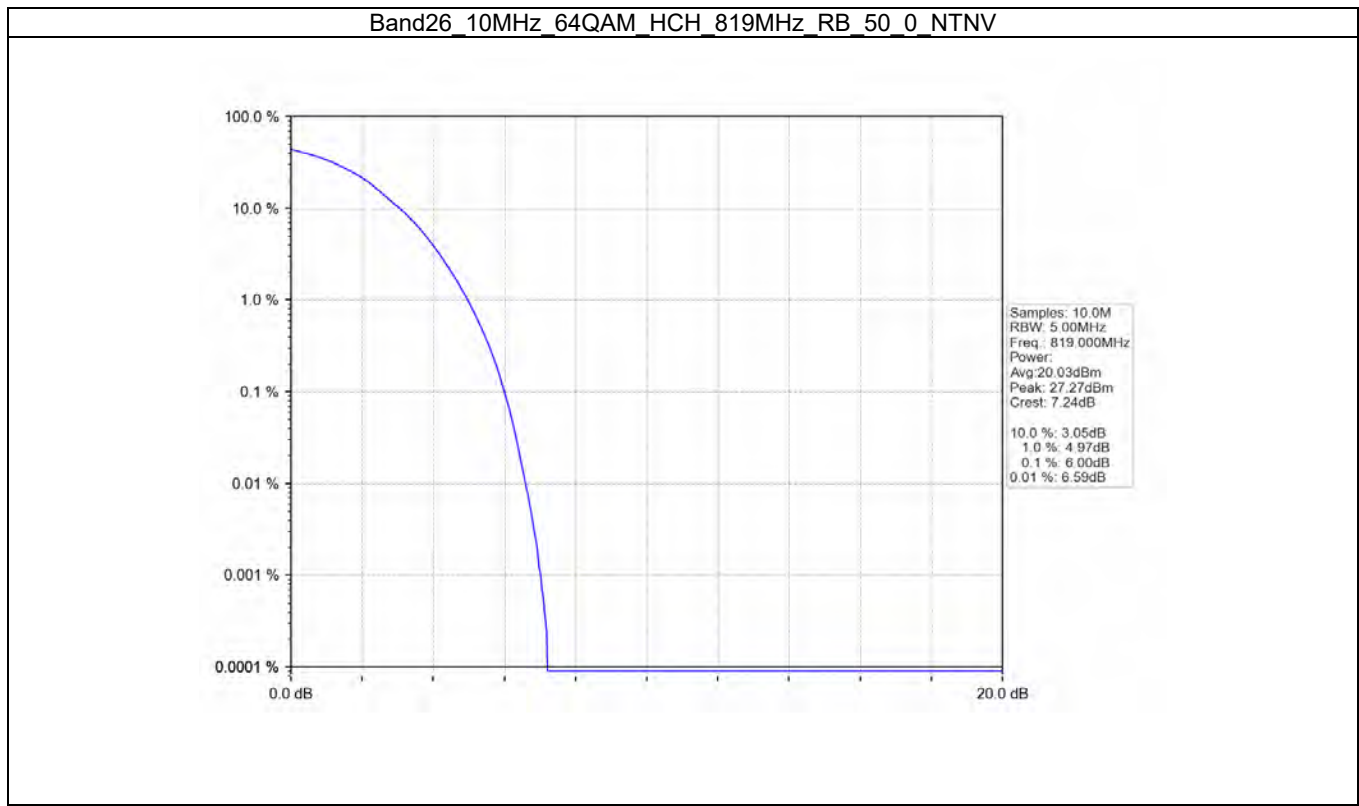


Band26_10MHz_64QAM_LCH_819MHz_RB_50_0_NTNV



Band26_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV







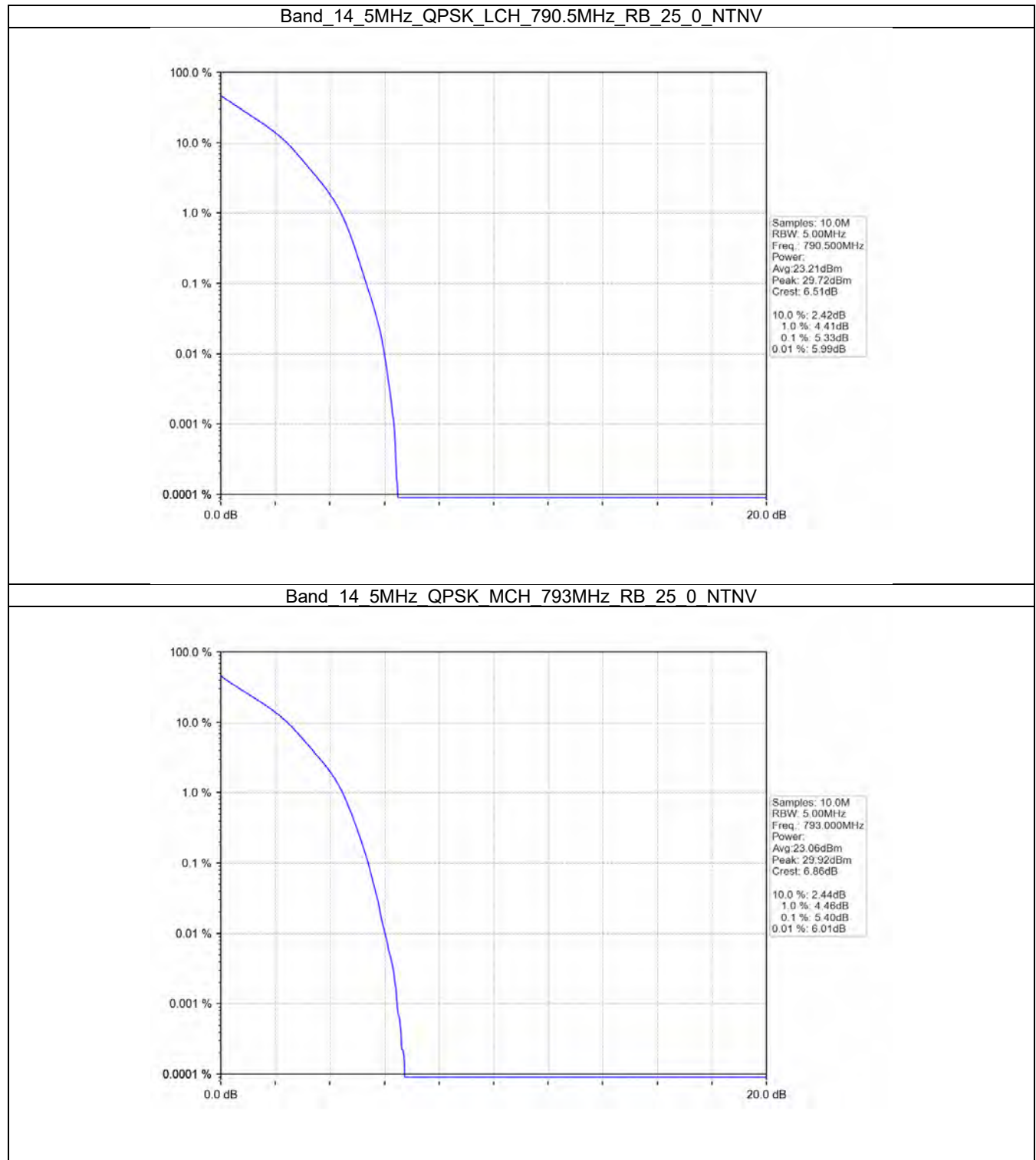
3.2 LTE Band 14

3.2.1 Test Result

Band: 14 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.33	5.40	5.44	<=13	Pass
16QAM	25	0	6.09	6.16	6.18	<=13	Pass
64QAM	25	0	6.08	6.14	6.19	<=13	Pass
Band: 14 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		x-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	/	4.60	/	<=13	Pass
16QAM	50	0	/	5.96	/	<=13	Pass
64QAM	50	0	/	5.97	/	<=13	Pass



3.2.2 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

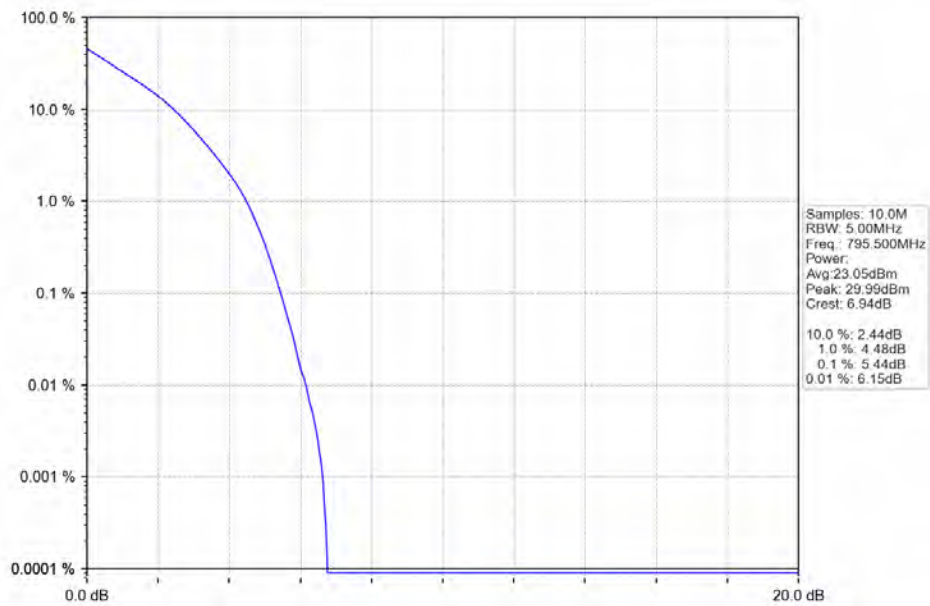
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

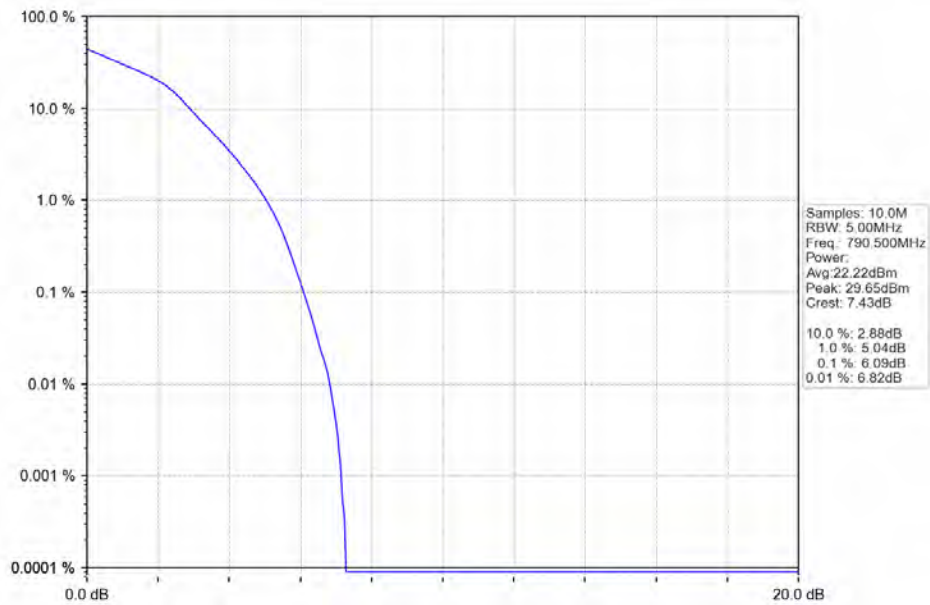
Email: customerservice.sw@bureauveritas.com



Band_14_5MHz_QPSK_HCH_795.5MHz_RB_25_0_NTNV

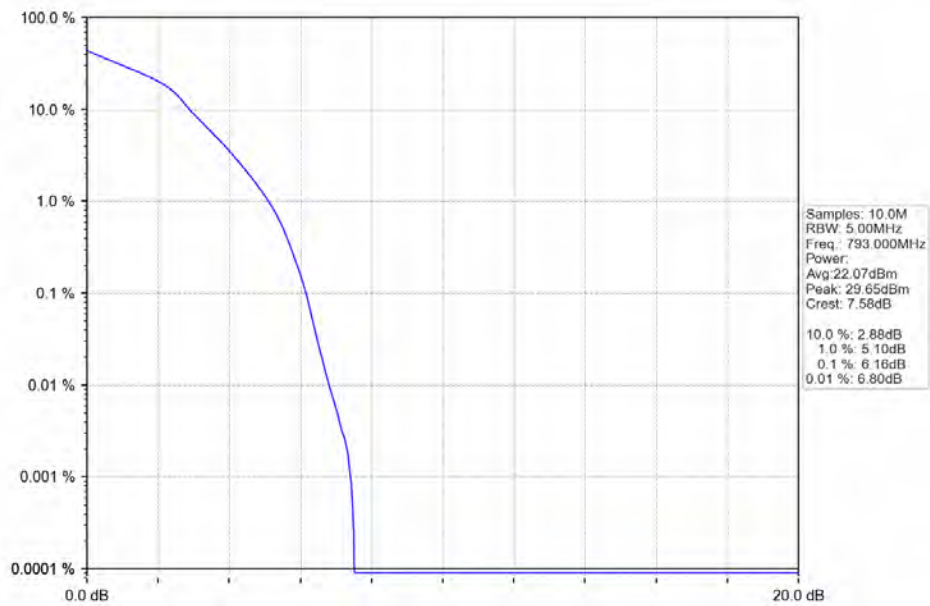


Band_14_5MHz_16QAM_LCH_790.5MHz_RB_25_0_NTNV

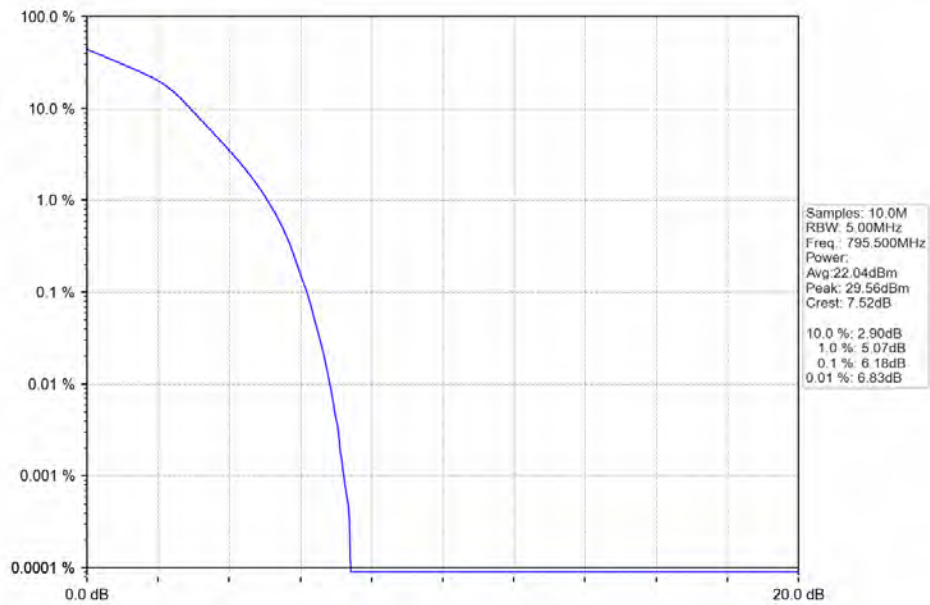




Band_14_5MHz_16QAM_MCH_793MHz_RB_25_0_NTNV

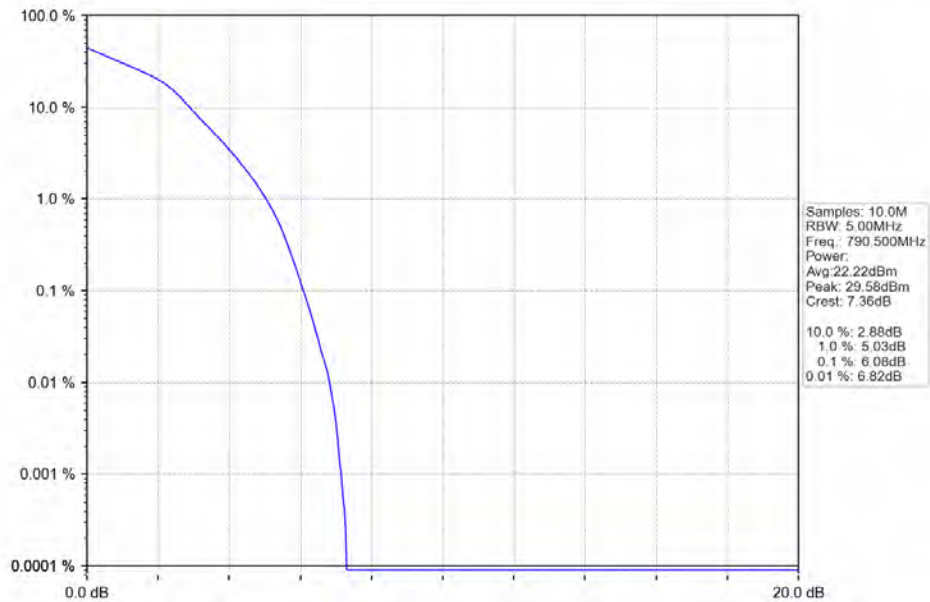


Band_14_5MHz_16QAM_HCH_795.5MHz_RB_25_0_NTNV

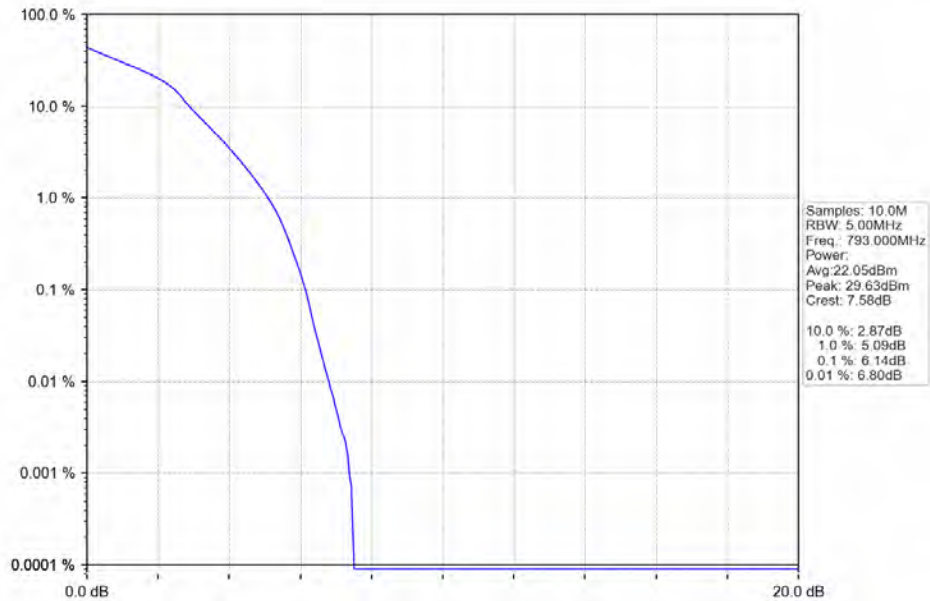


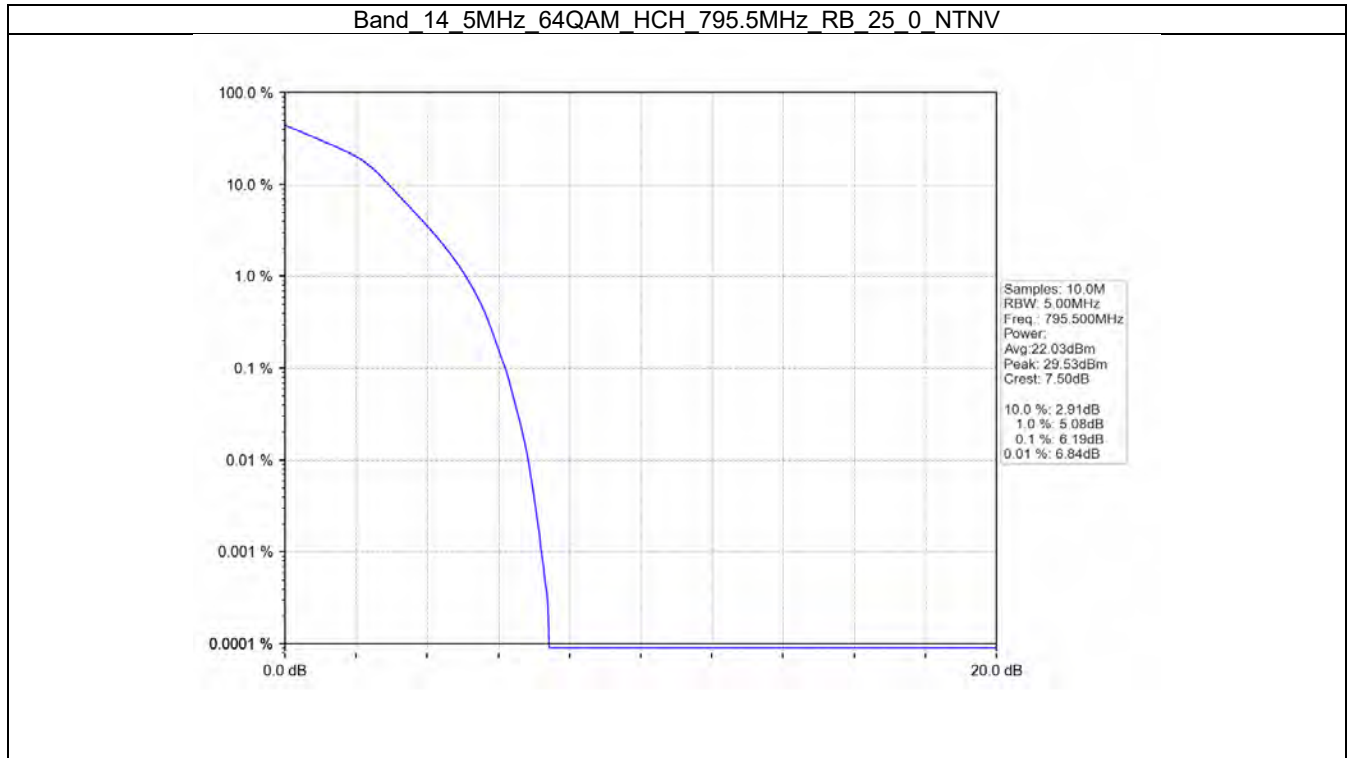


Band_14_5MHz_64QAM_LCH_790.5MHz_RB_25_0_NTNV



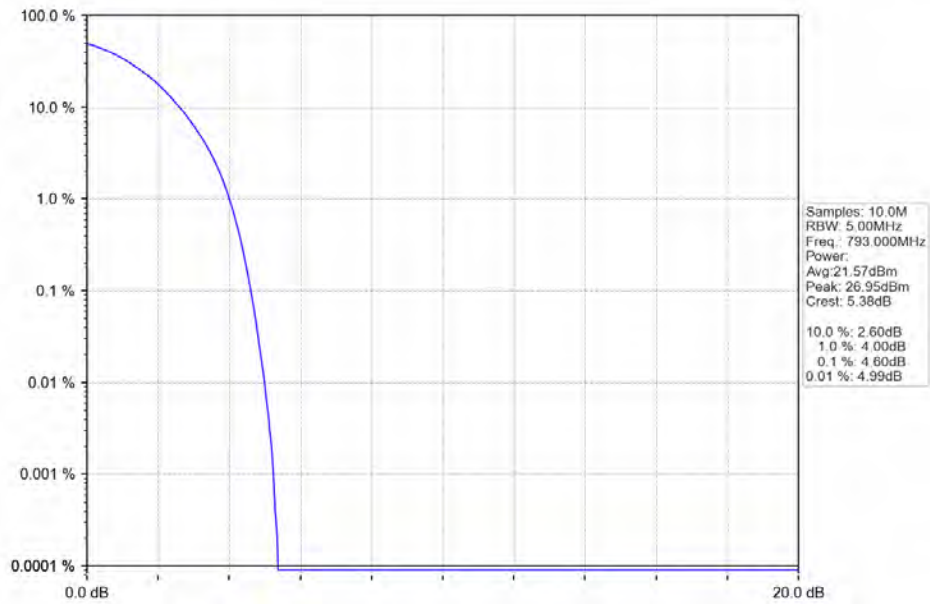
Band_14_5MHz_64QAM_MCH_793MHz_RB_25_0_NTNV



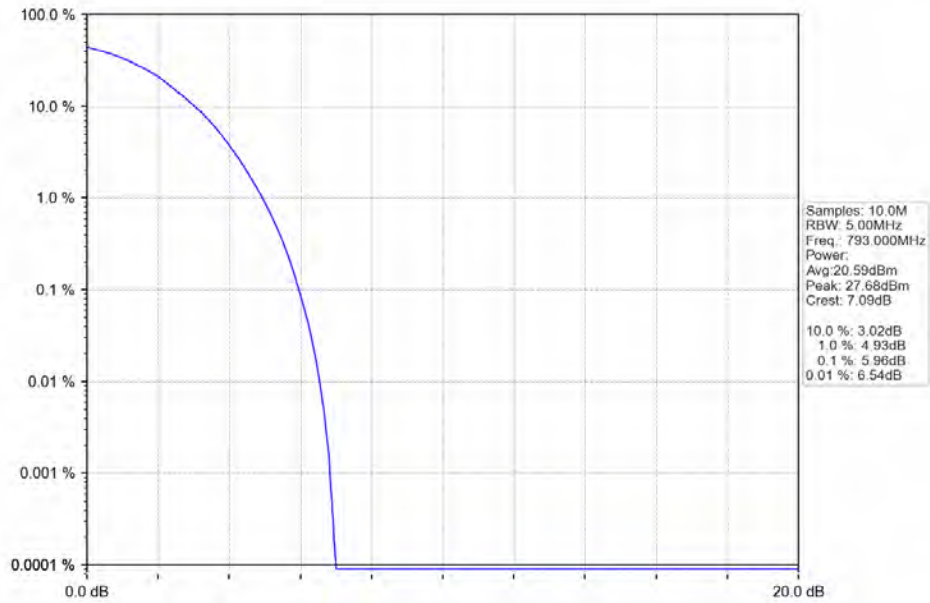


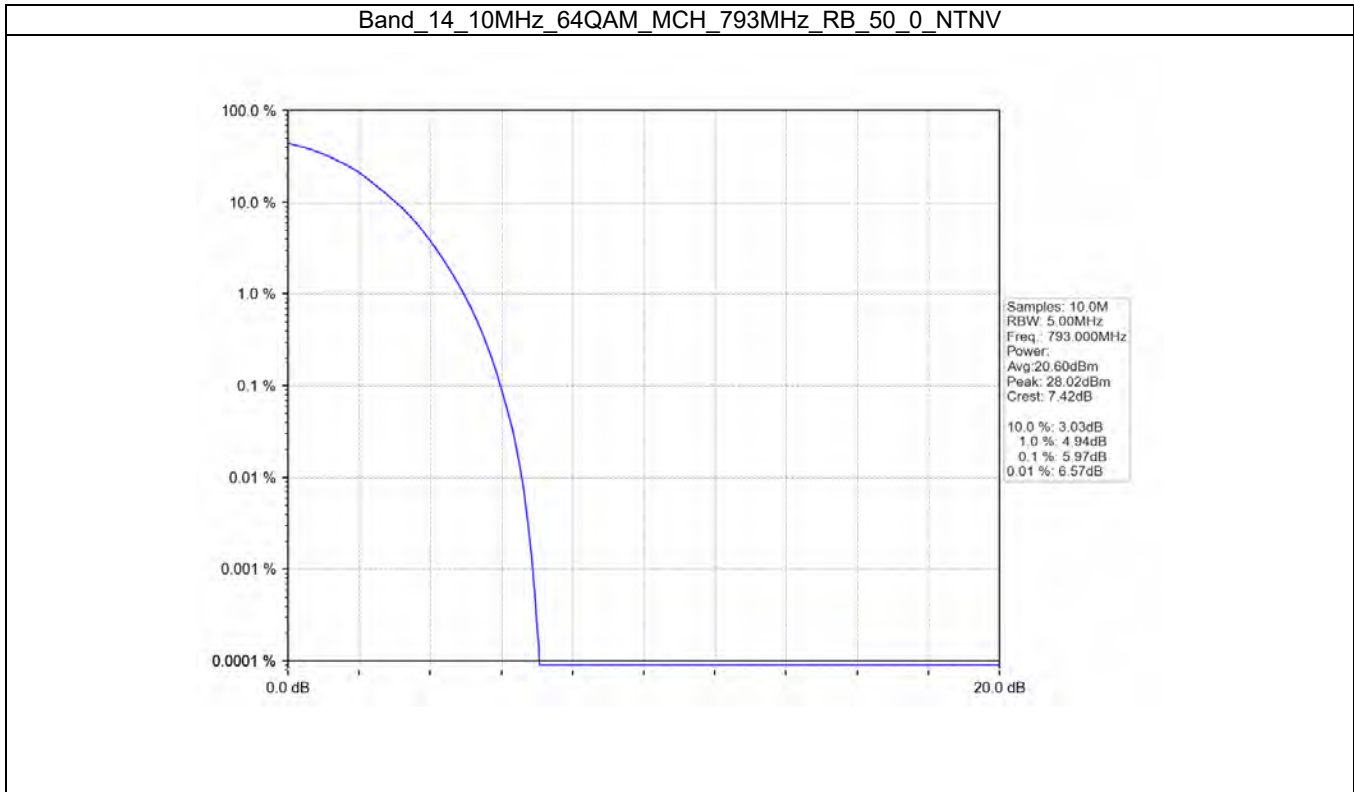


Band_14_10MHz_QPSK_MCH_793MHz_RB_50_0_NTNV



Band_14_10MHz_16QAM_MCH_793MHz_RB_50_0_NTNV







4. Spurious Emission

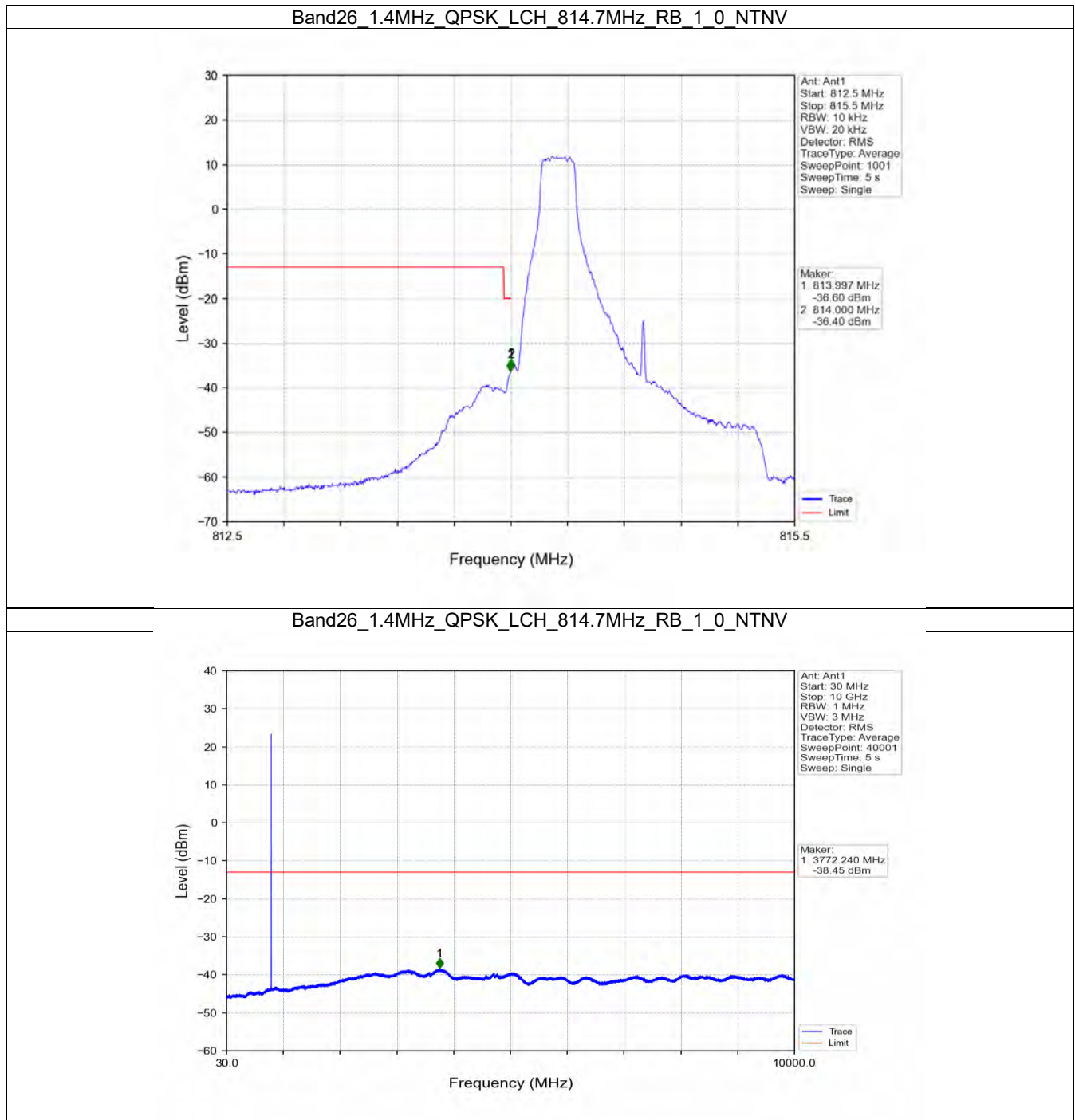
4.1 LTE Band 26_1.4MHz

4.1.1 Test Result

Band: 26 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass

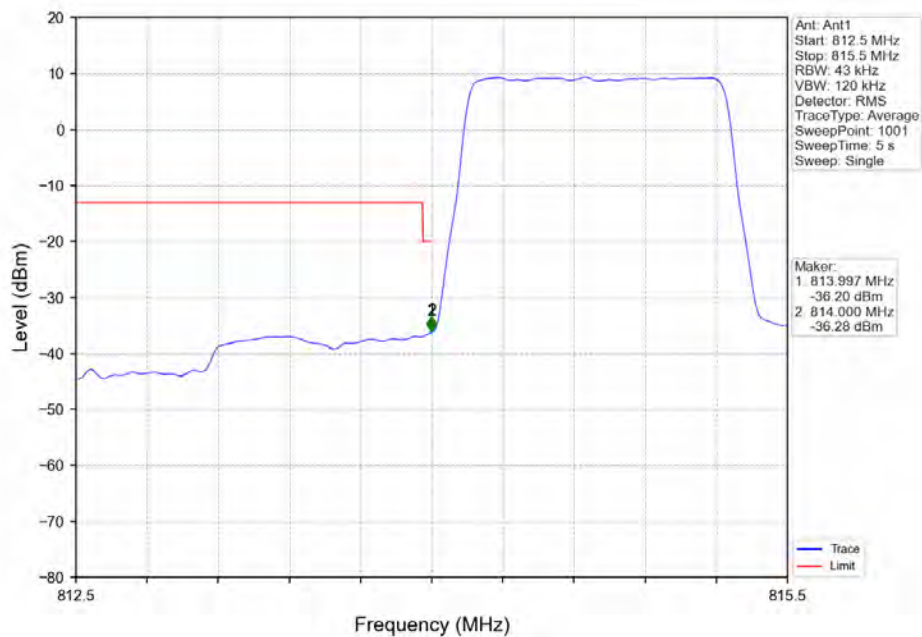


4.1.2 Test Graph

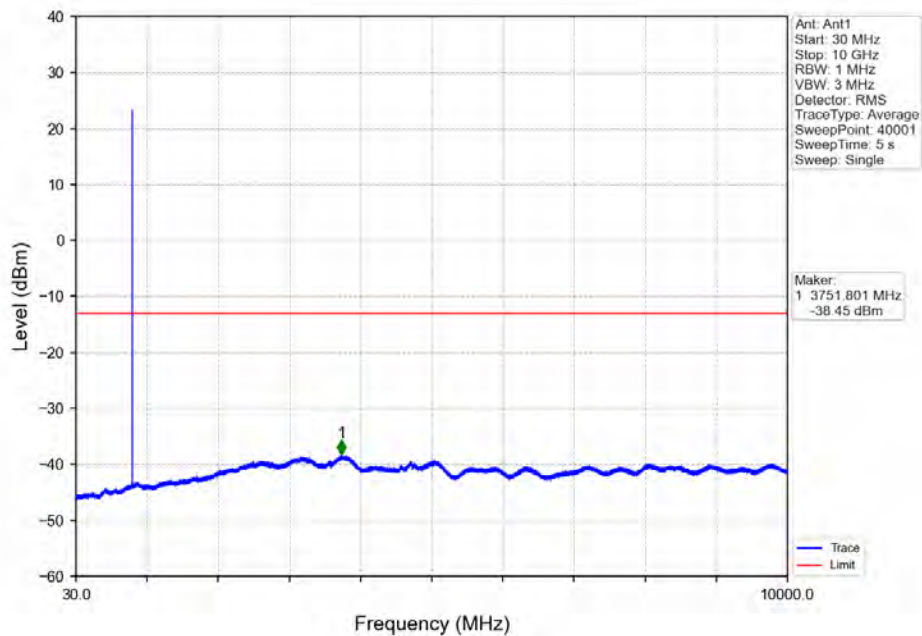




Band26_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

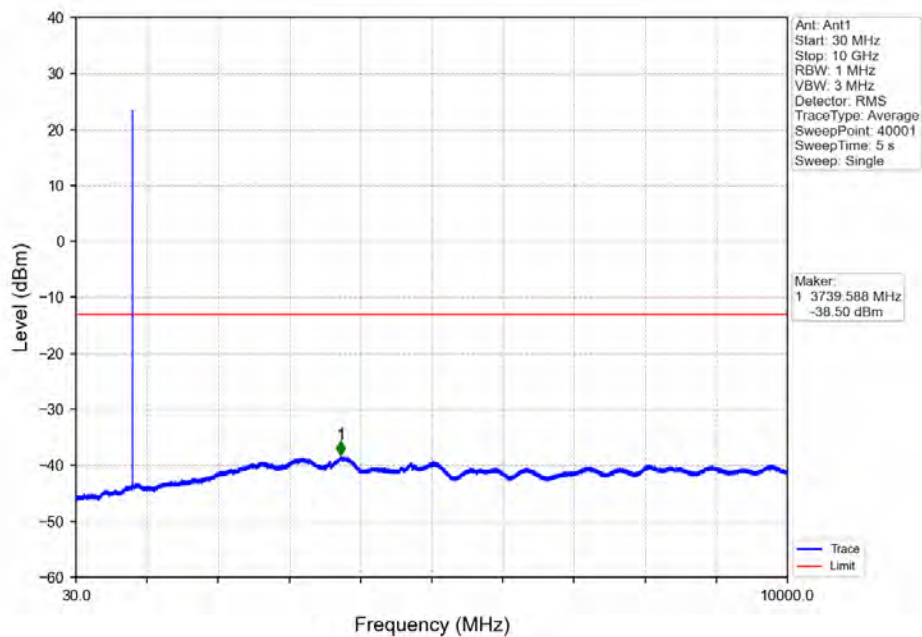


Band26_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV

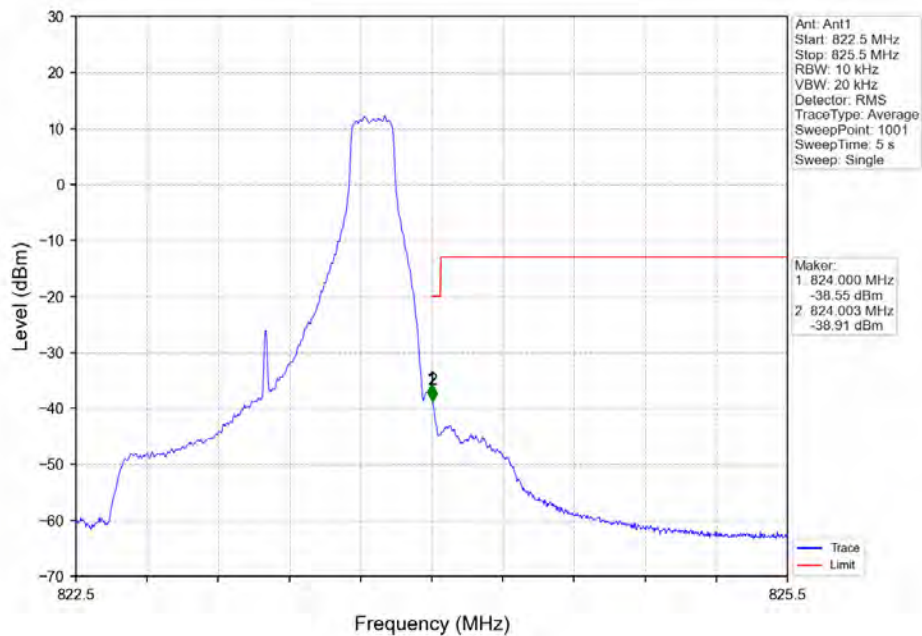




Band26_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

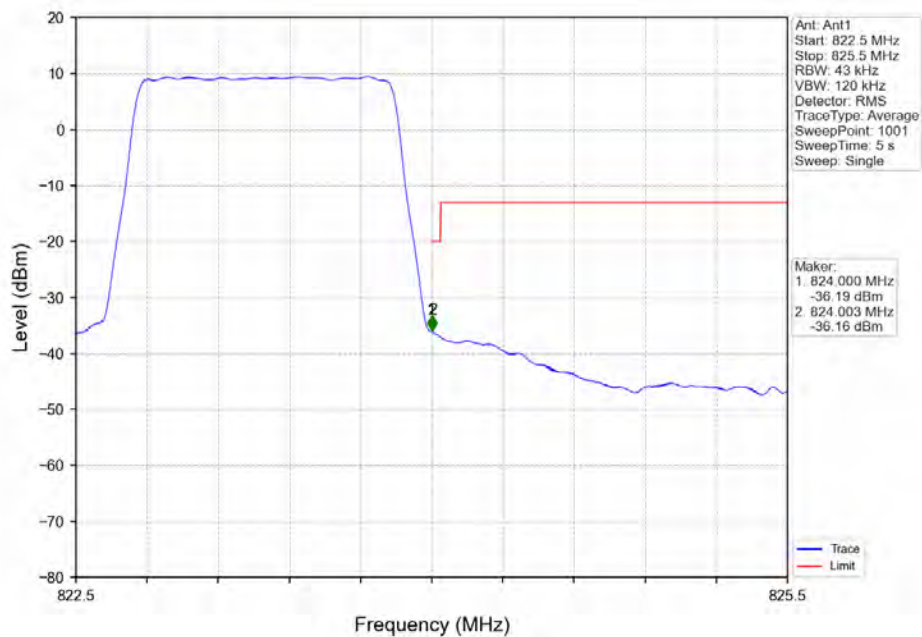


Band26_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV

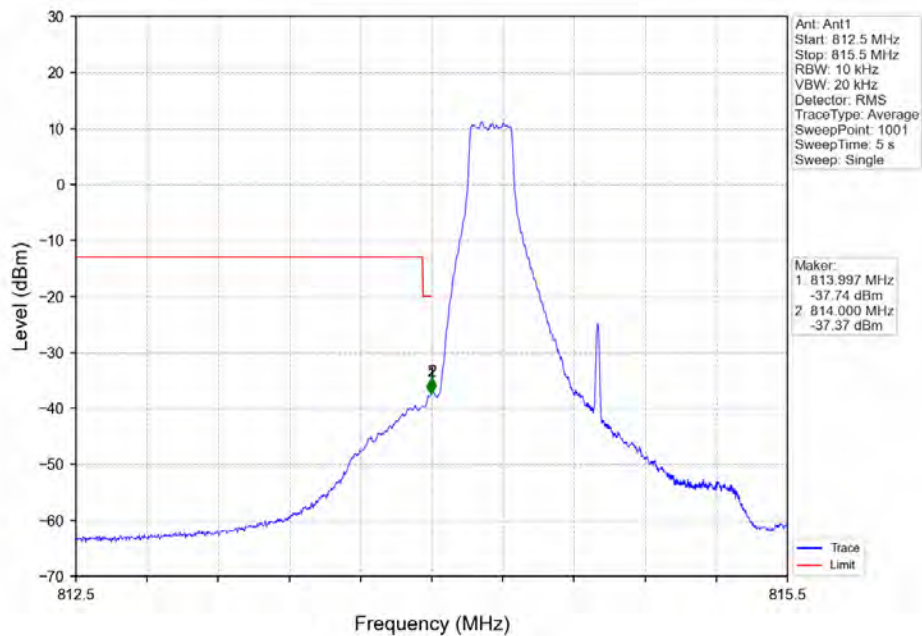


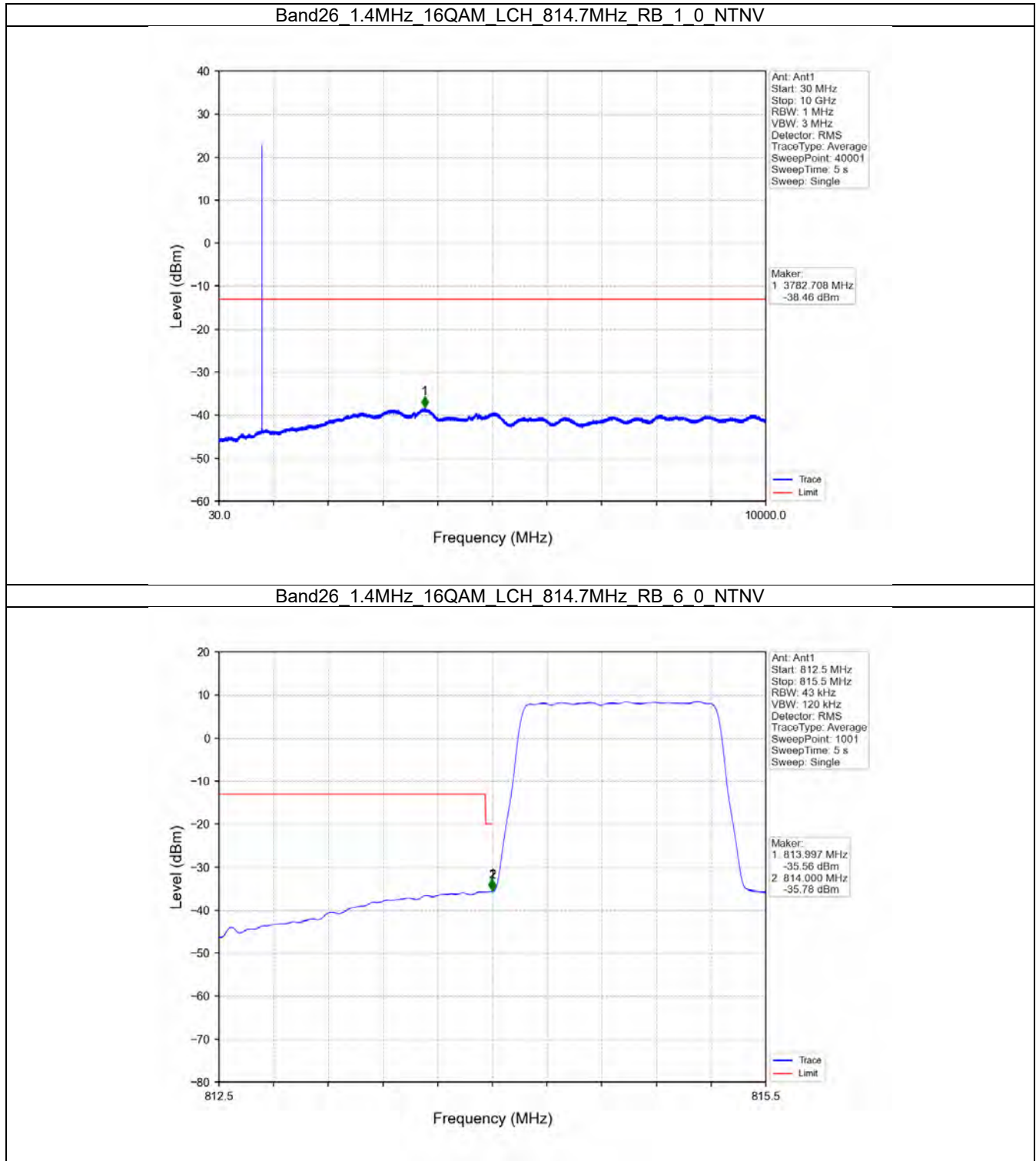


Band26_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



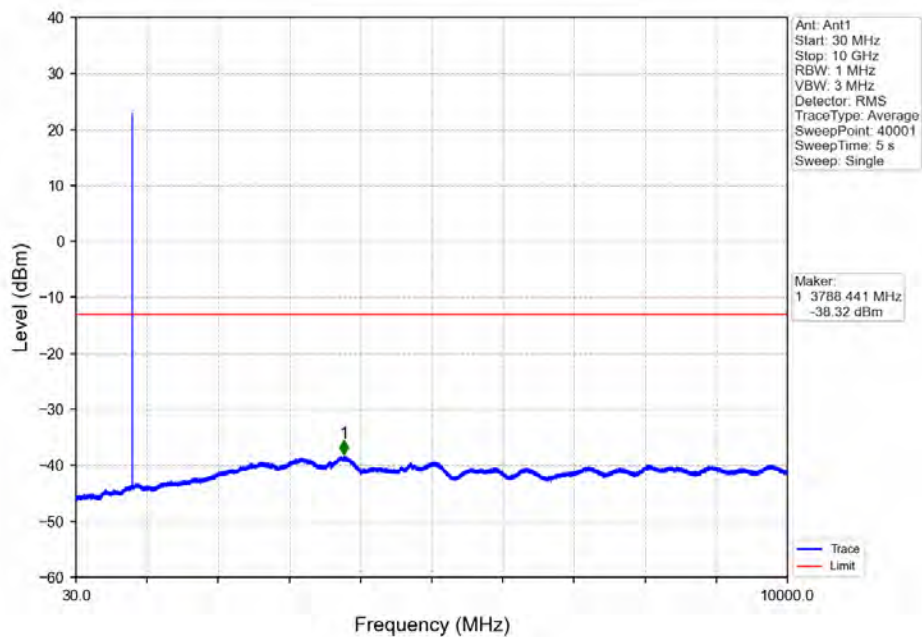
Band26_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV



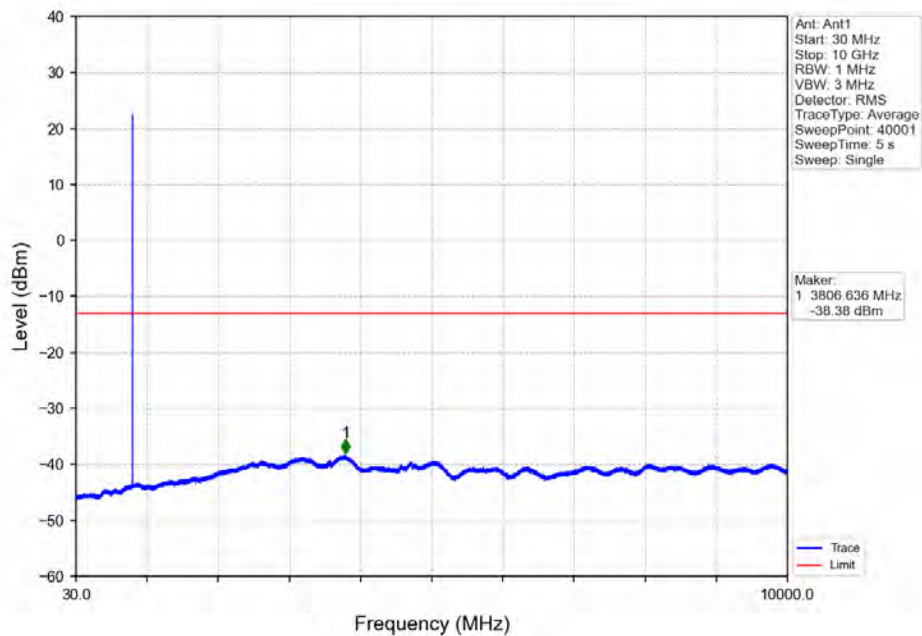




Band26_1.4MHz_16QAM_MCH_819MHz_RB_1_0_NTNV

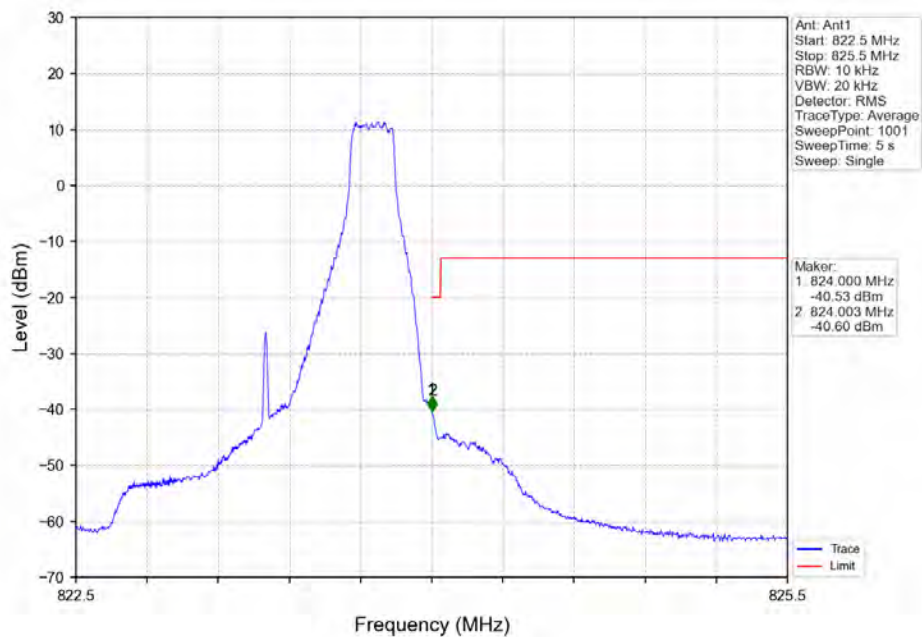


Band26_1.4MHz_16QAM_HCH_823.3MHz_RB_1_0_NTNV

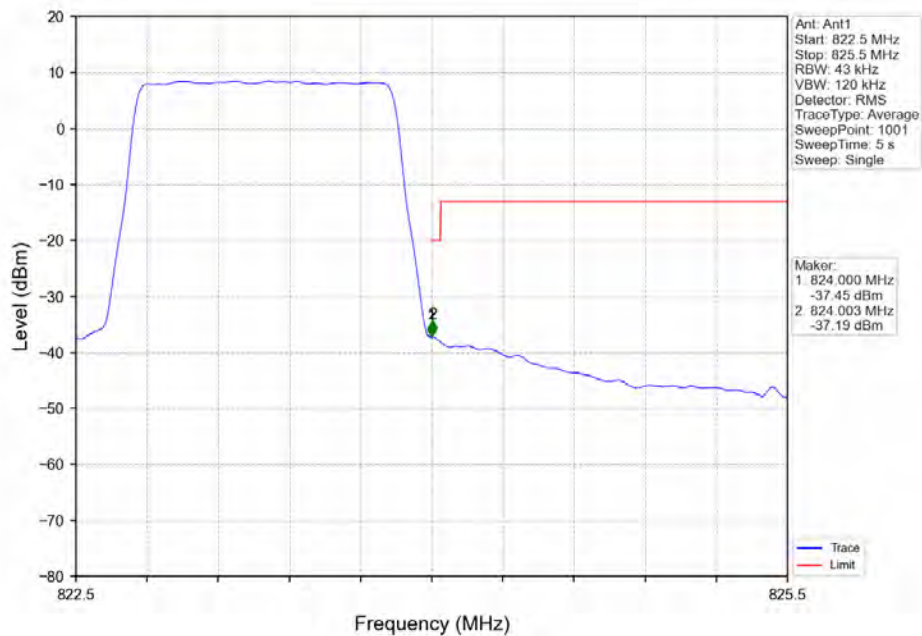


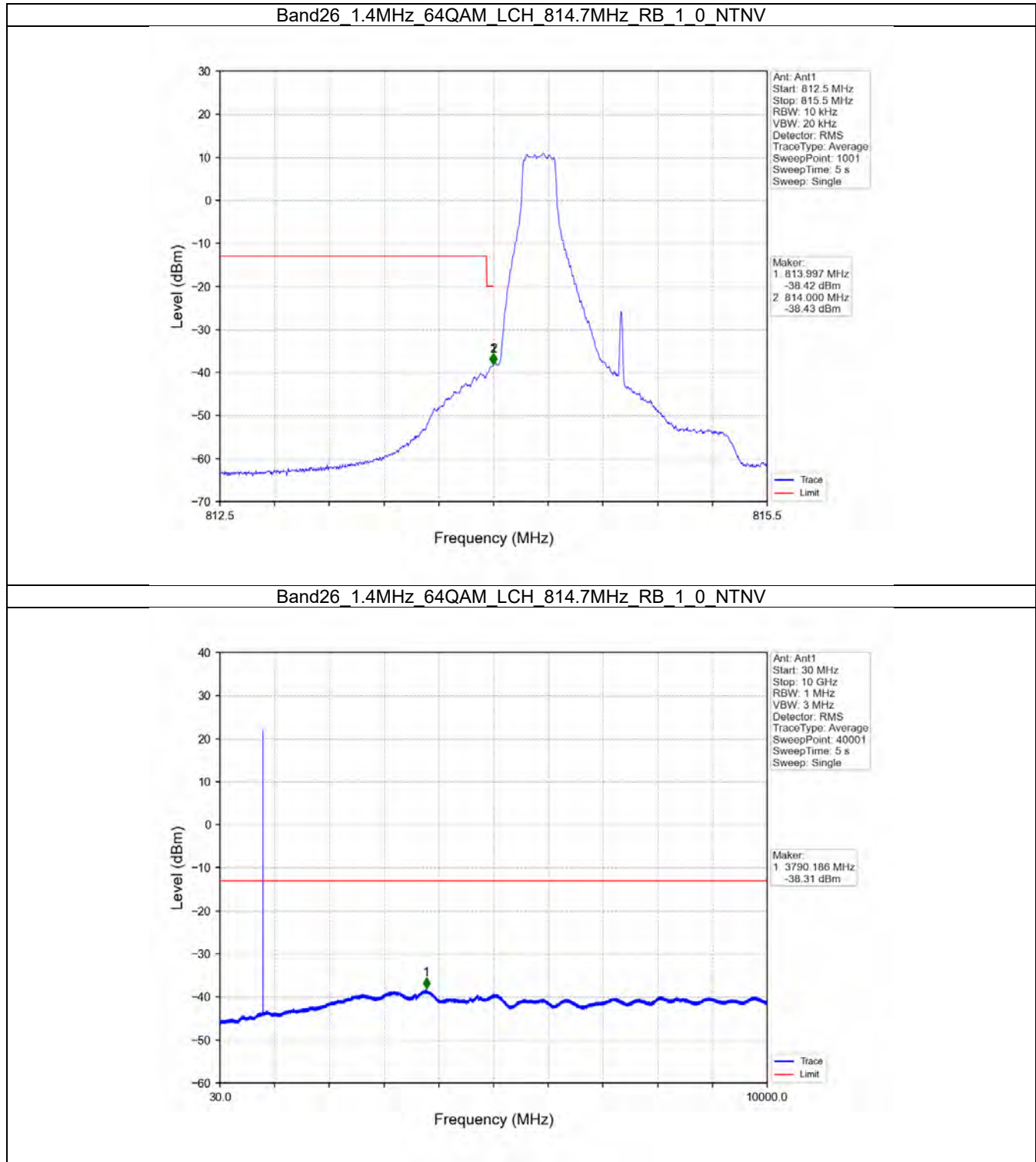


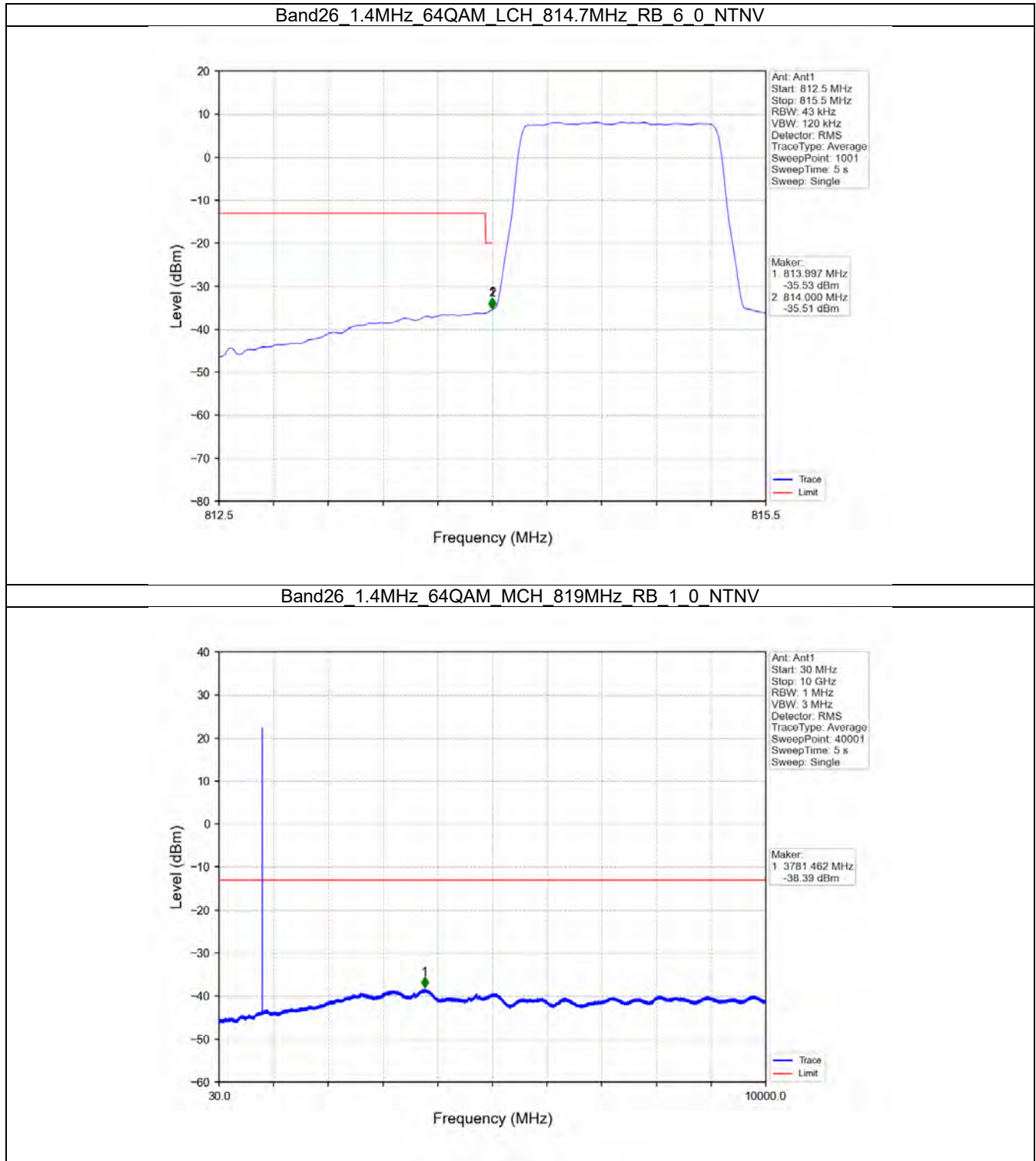
Band26 1.4MHz 16QAM HCH 823.3MHz RB_1_5_NTNV



Band26 1.4MHz 16QAM HCH 823.3MHz RB_6_0_NTNV

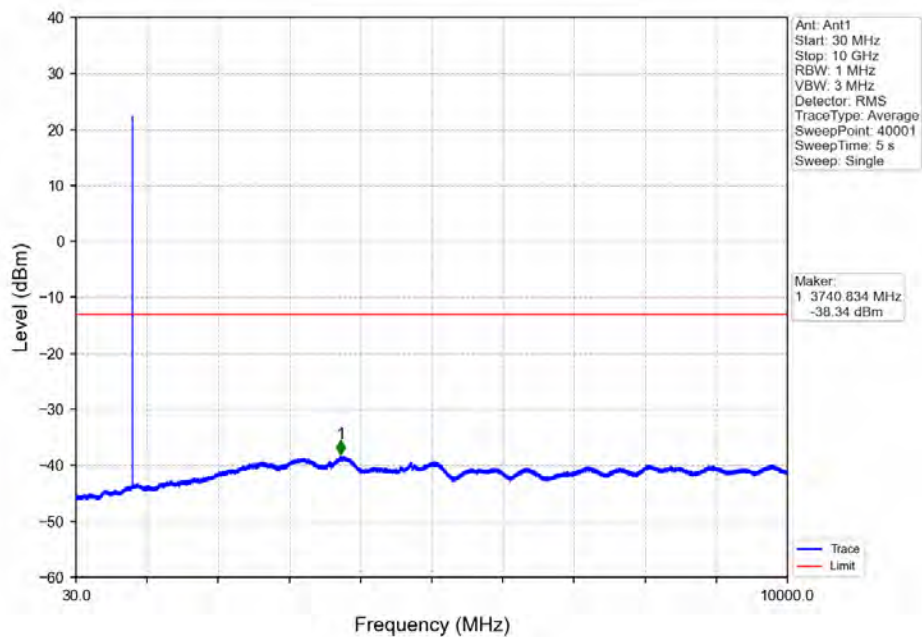




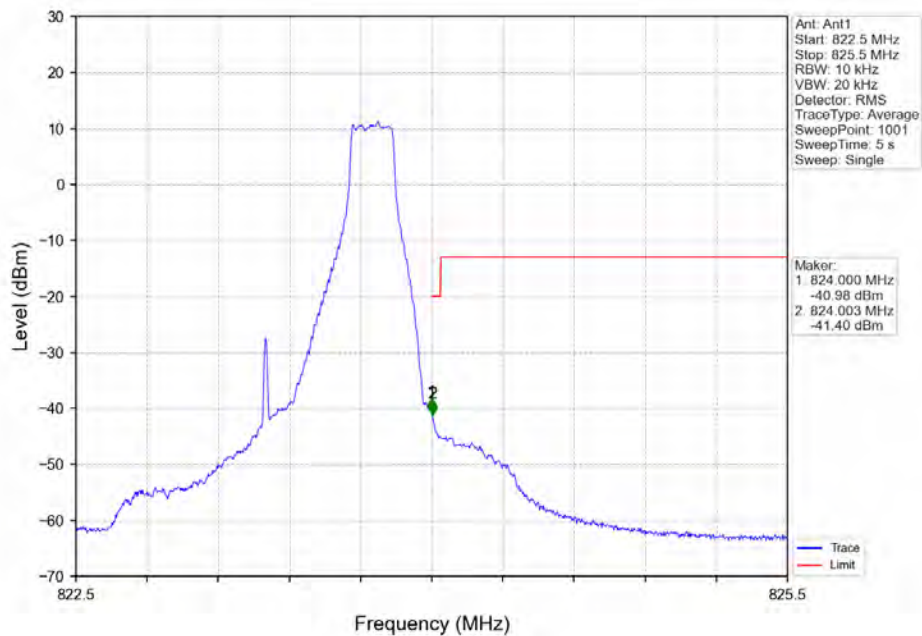




Band26 1.4MHz 64QAM HCH 823.3MHz RB_1_0_NTNV



Band26 1.4MHz 64QAM HCH 823.3MHz RB_1_5_NTNV







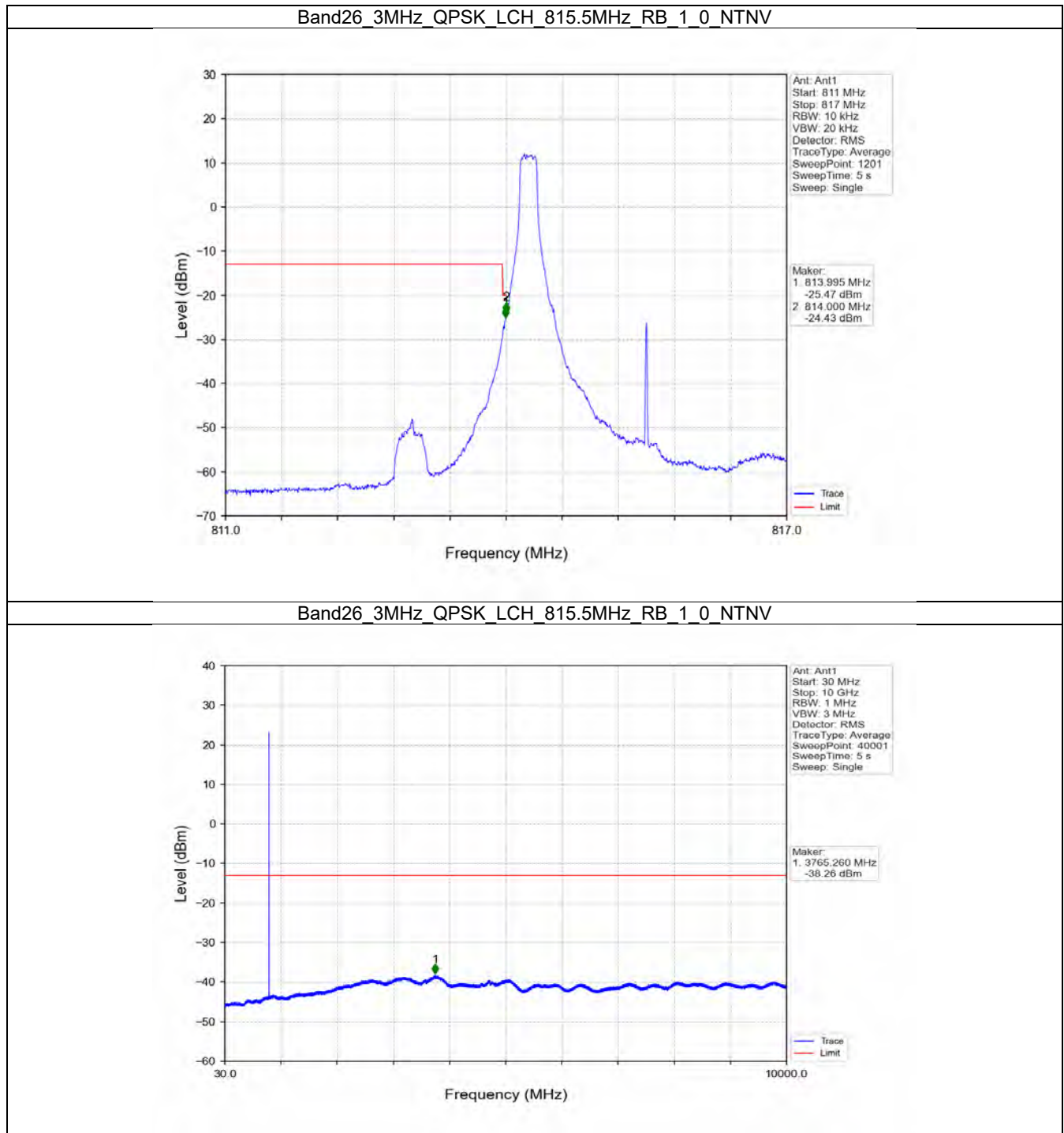
4.2 LTE Band 26_3MHz

4.2.1 Test Result

Band: 26 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	15	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	15	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
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	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass

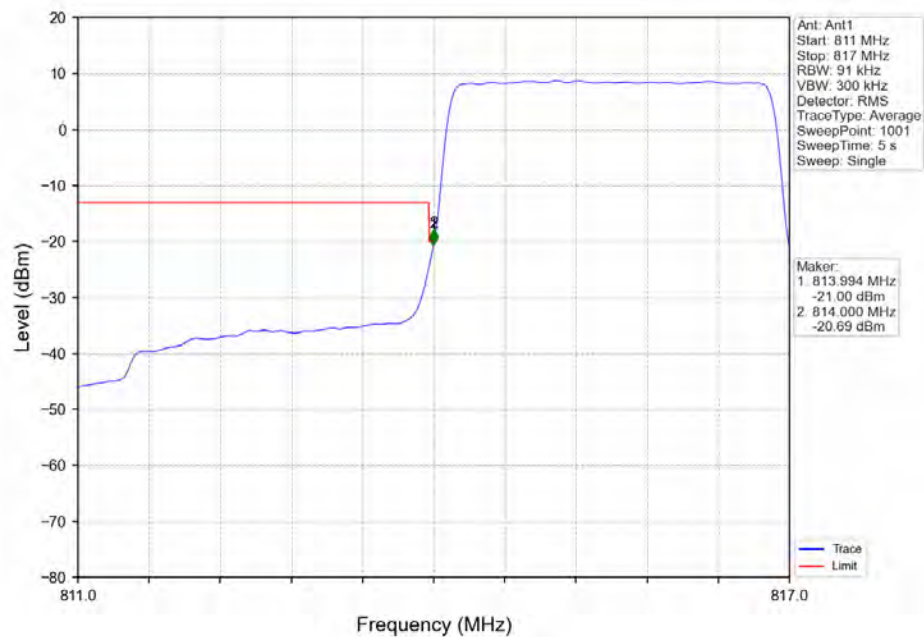


4.2.2 Test Graph

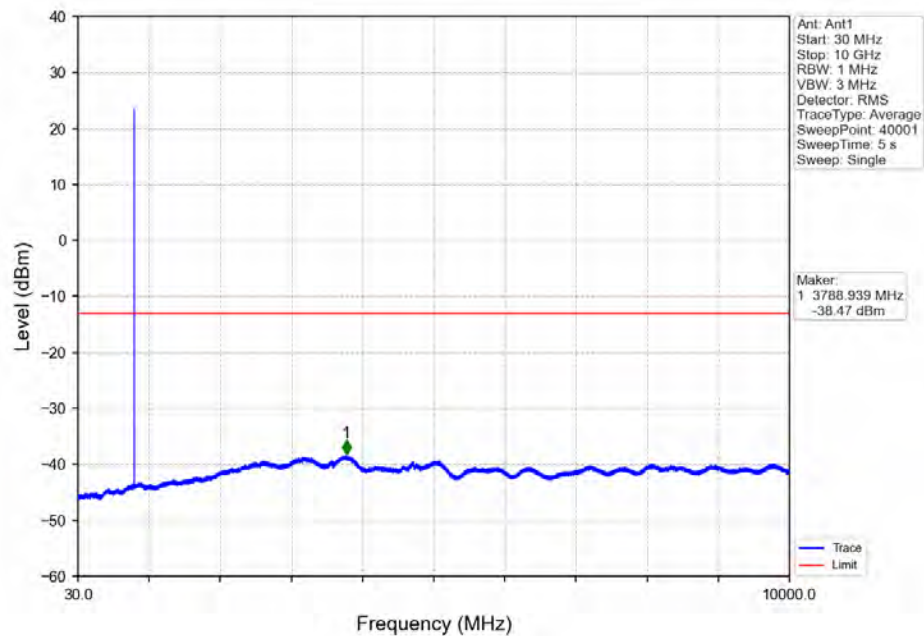




Band26_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

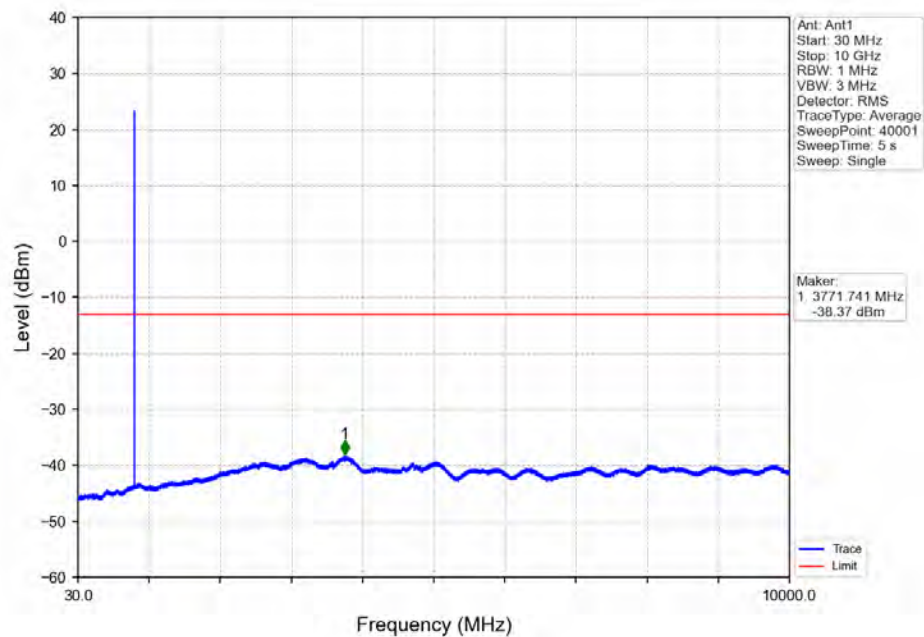


Band26_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV

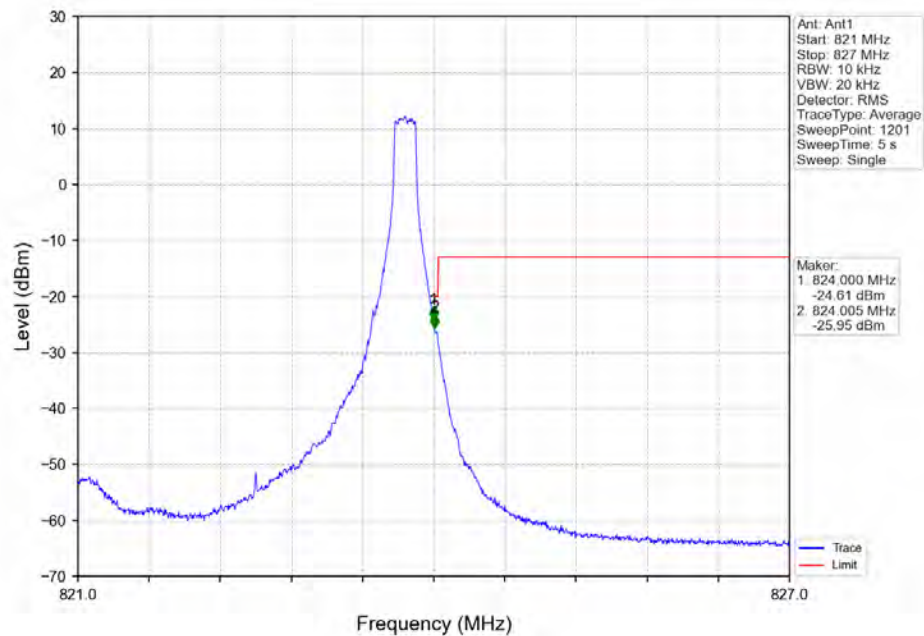




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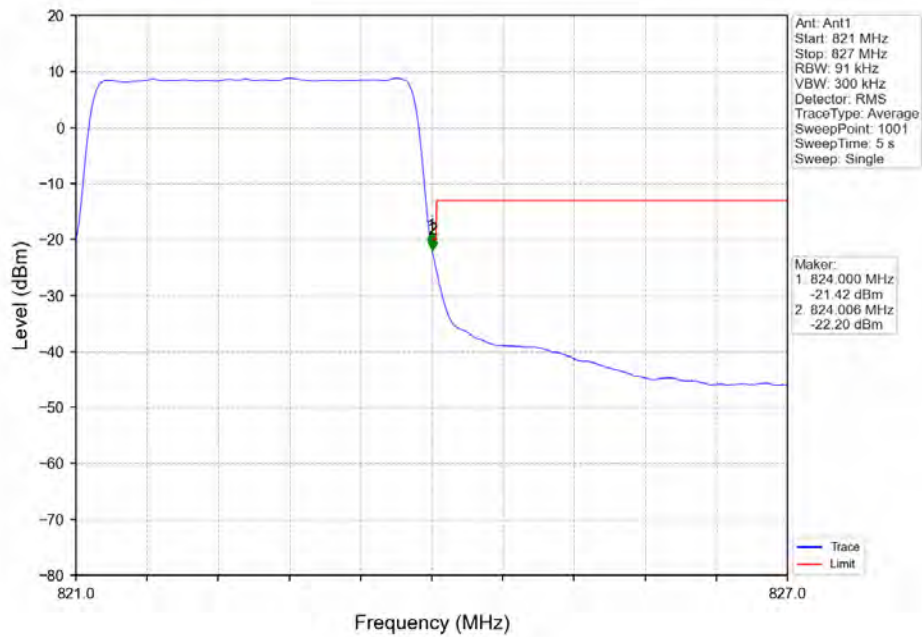


Band26_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV

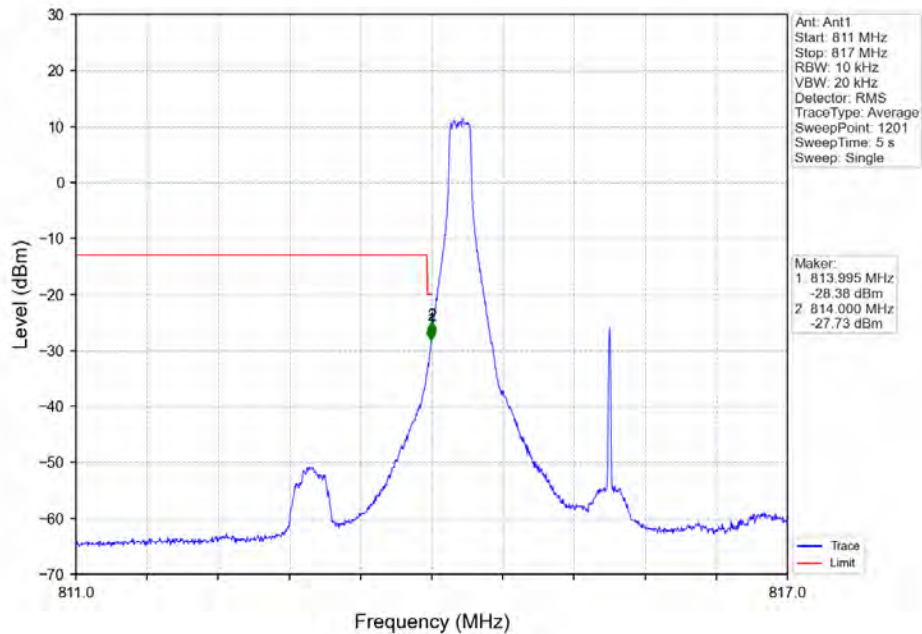




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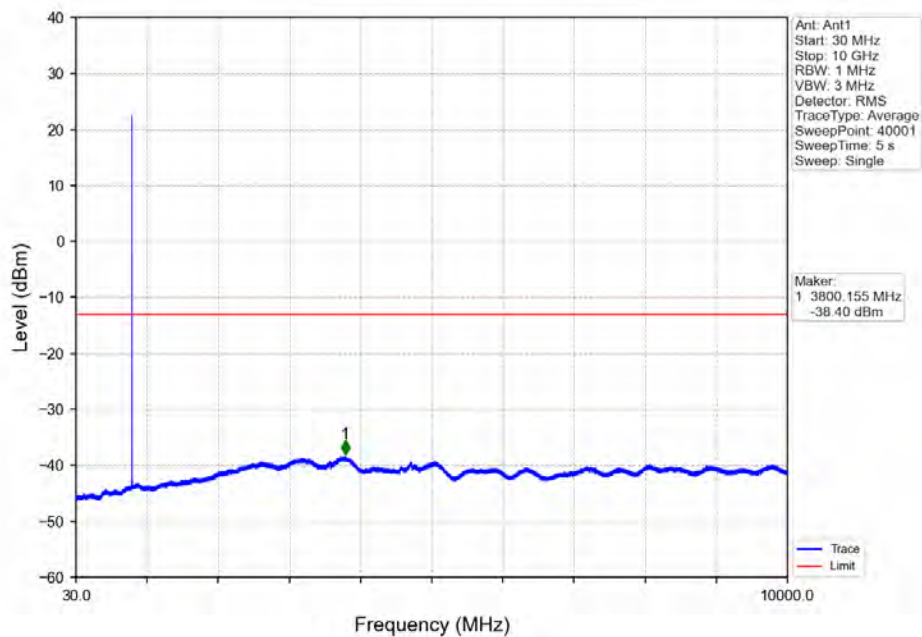


Band26_3MHz_16QAM_LCH_815.5MHz_RB_1_0_NTNV

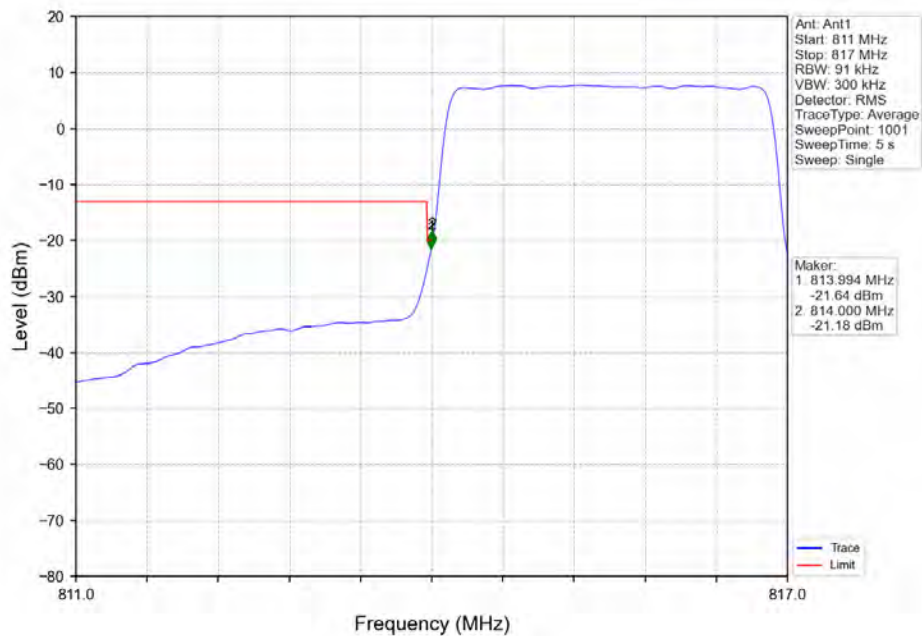




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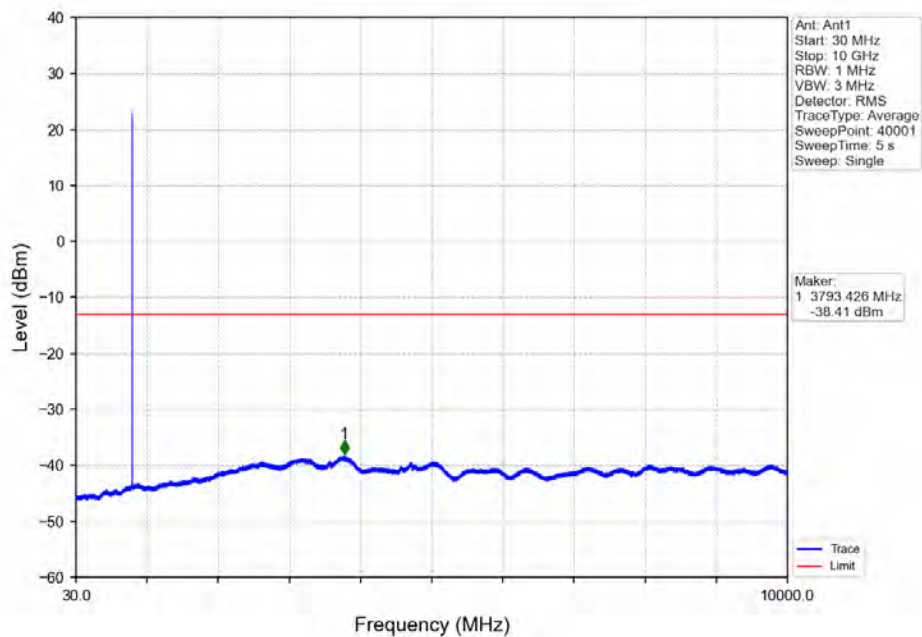


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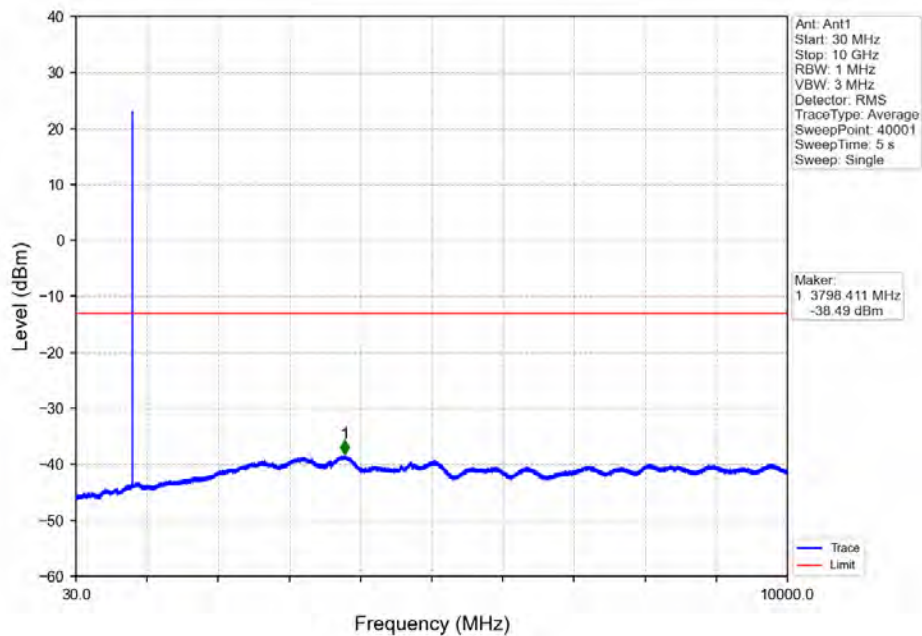




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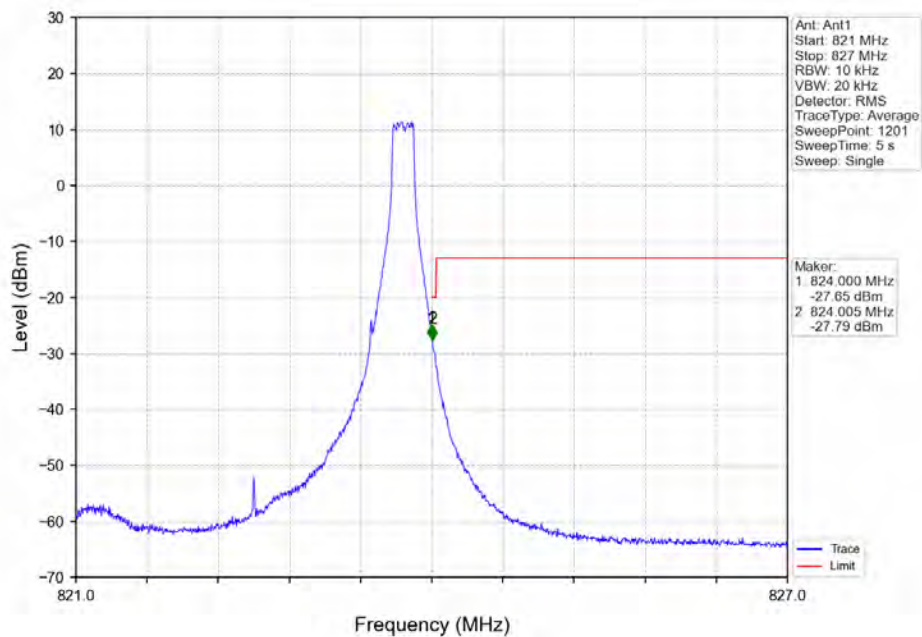


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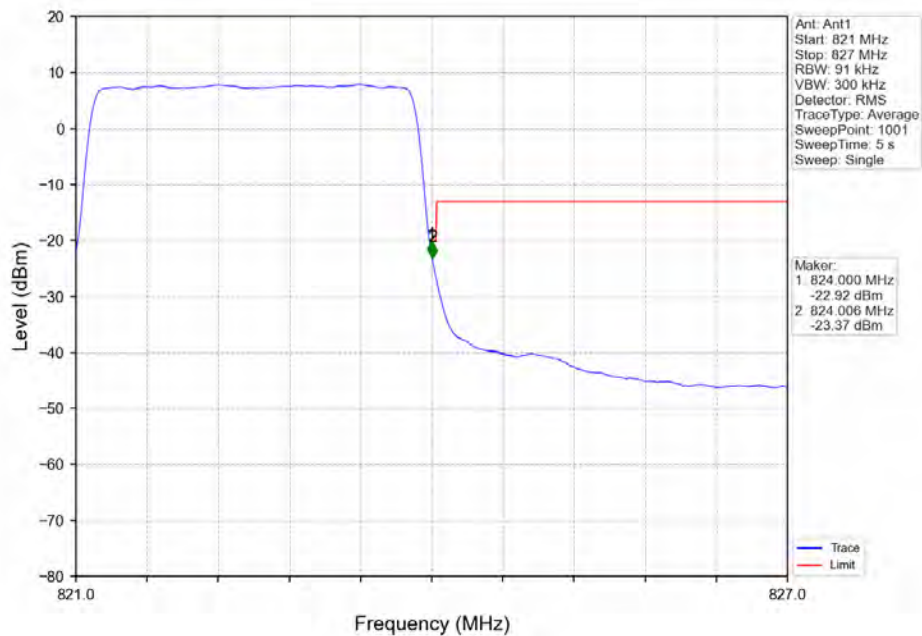




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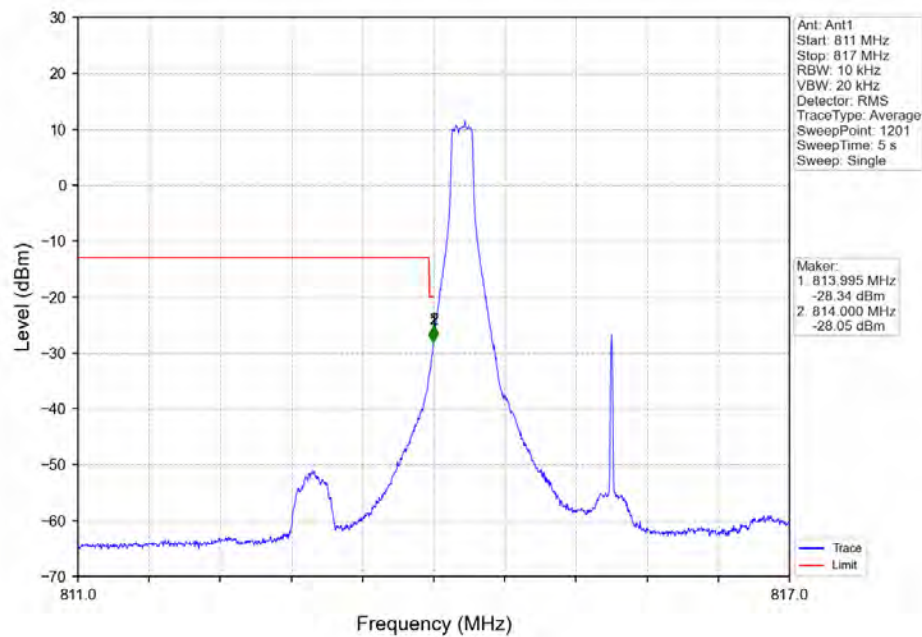


Band26_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

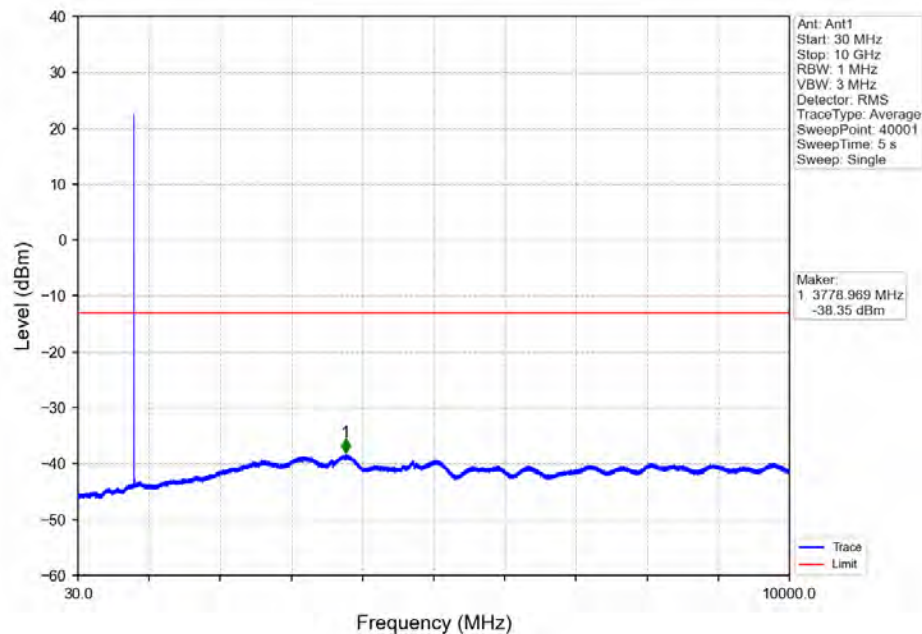




Band26_3MHz_64QAM_LCH_815.5MHz_RB_1_0_NTNV

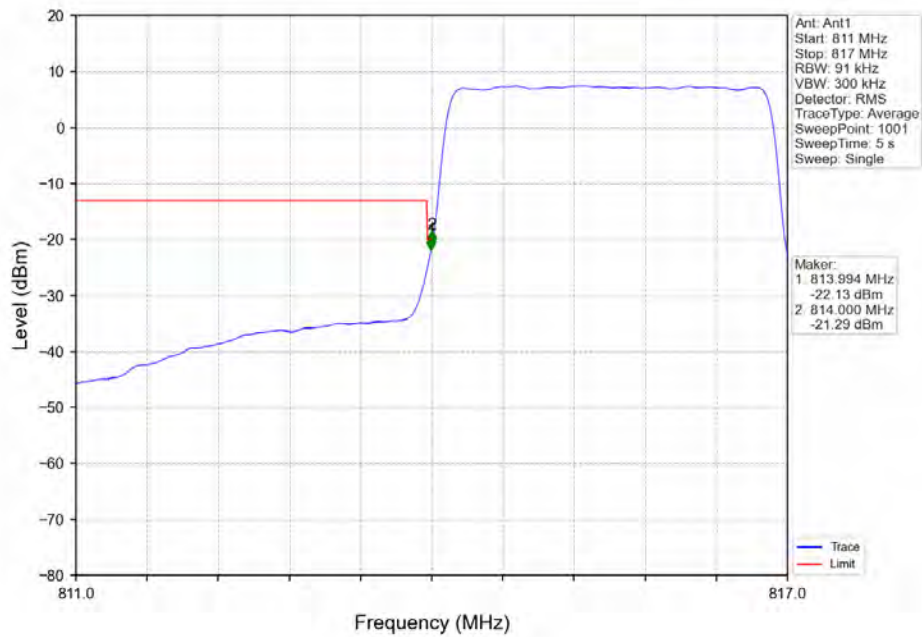


Band26_3MHz_64QAM_LCH_815.5MHz_RB_1_0_NTNV

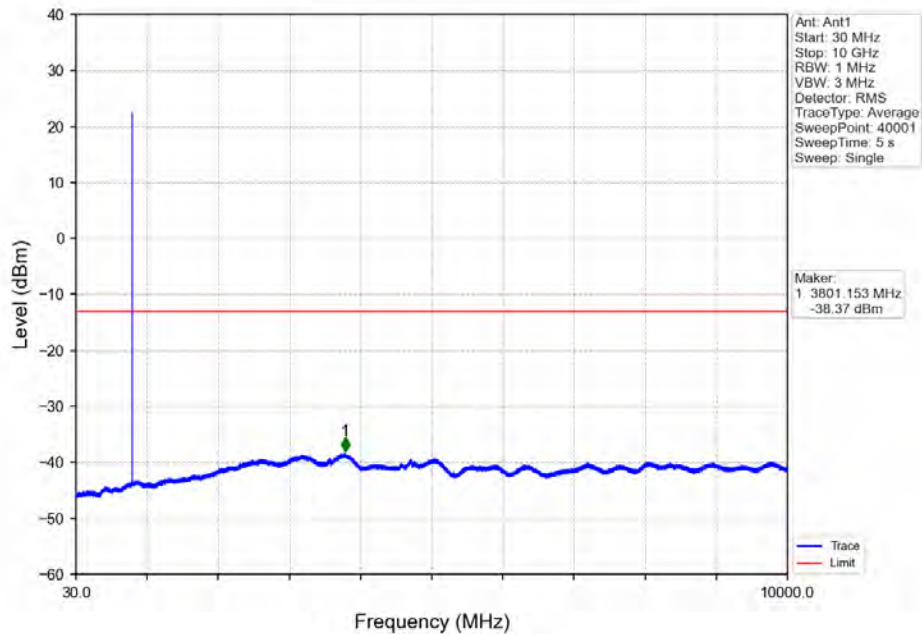




Band26_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV

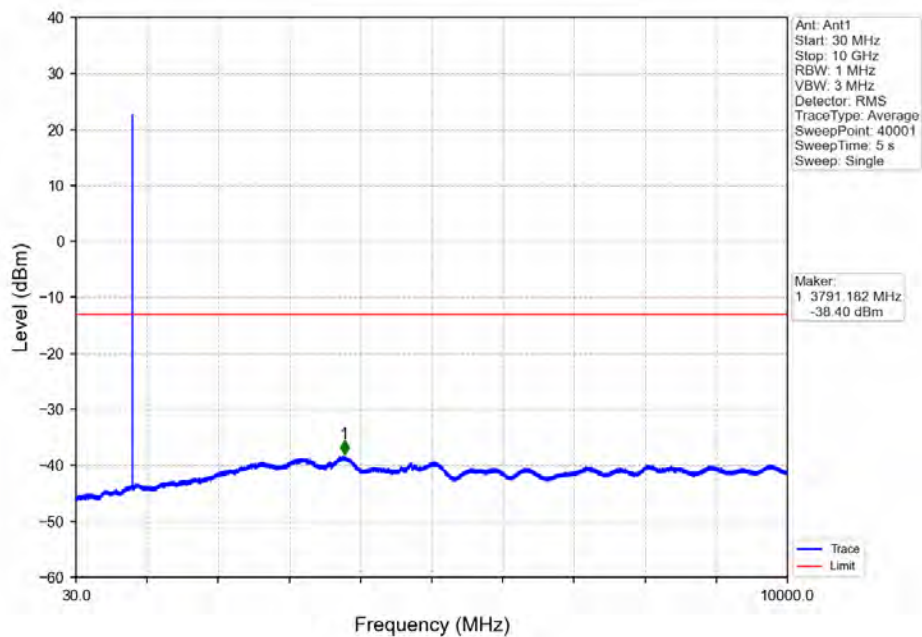


Band26_3MHz_64QAM_MCH_819MHz_RB_1_0_NTNV

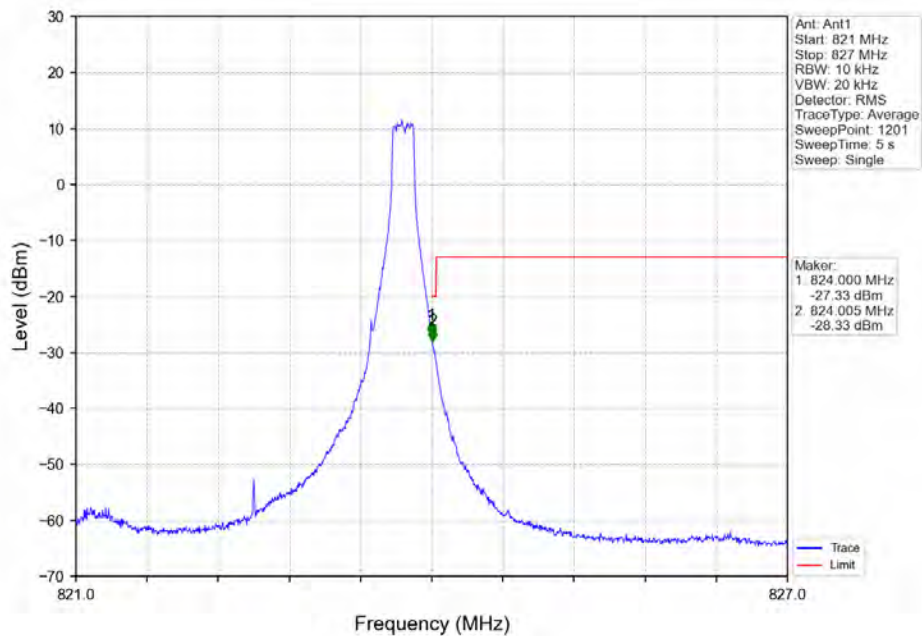


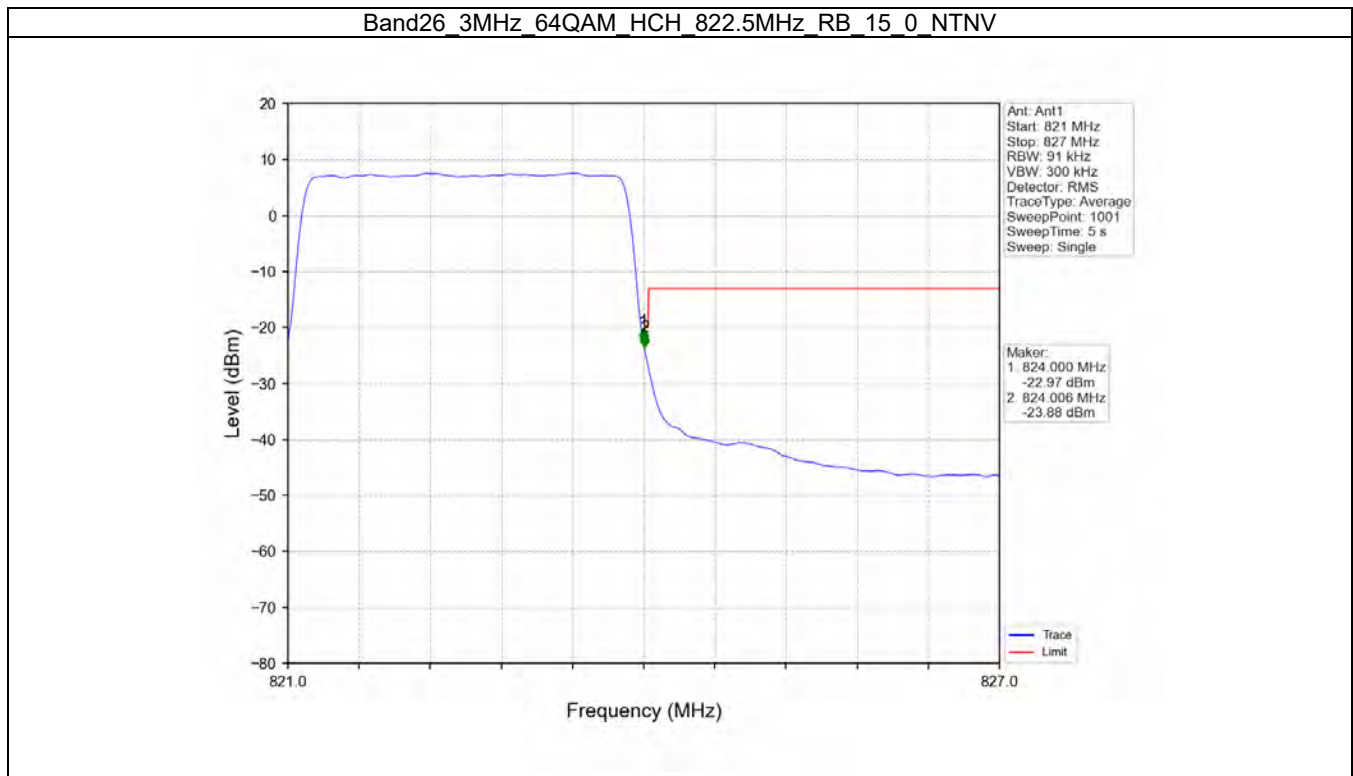


Band26_3MHz_64QAM_HCH_822.5MHz_RB_1_0_NTNV



Band26_3MHz_64QAM_HCH_822.5MHz_RB_1_14_NTNV







4.3 LTE Band 26_5MHz

4.3.1 Test Result

Band: 26 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass



4.3.2 Test Graph

