

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	24.20	0.4	22.45	<=38.45	Pass		
			2	24.36	0.4	22.61	<=38.45	Pass		
			5	24.26	0.4	22.51	<=38.45	Pass		
		3	0	24.14	0.4	22.39	<=38.45	Pass		
			2	24.18	0.4	22.43	<=38.45	Pass		
			3	24.10	0.4	22.35	<=38.45	Pass		
		6	0	23.32	0.4	21.57	<=38.45	Pass		
		836.5	1	0	24.07	0.4	22.32	<=38.45	Pass	
				2	24.16	0.4	22.41	<=38.45	Pass	
	5			24.06	0.4	22.31	<=38.45	Pass		
	3		0	24.16	0.4	22.41	<=38.45	Pass		
			2	24.17	0.4	22.42	<=38.45	Pass		
			3	24.15	0.4	22.4	<=38.45	Pass		
	6	0	23.14	0.4	21.39	<=38.45	Pass			
	848.3	1	0	24.11	0.4	22.36	<=38.45	Pass		
			2	24.36	0.4	22.61	<=38.45	Pass		
			5	24.30	0.4	22.55	<=38.45	Pass		
		3	0	24.02	0.4	22.27	<=38.45	Pass		
			2	24.05	0.4	22.3	<=38.45	Pass		
			3	24.00	0.4	22.25	<=38.45	Pass		
		6	0	23.24	0.4	21.49	<=38.45	Pass		
		16QAM	824.7	1	0	23.17	0.4	21.42	<=38.45	Pass
					2	23.32	0.4	21.57	<=38.45	Pass
	5				23.19	0.4	21.44	<=38.45	Pass	
3	0			22.97	0.4	21.22	<=38.45	Pass		
	2			23.01	0.4	21.26	<=38.45	Pass		
	3			22.98	0.4	21.23	<=38.45	Pass		
6	0			22.23	0.4	20.48	<=38.45	Pass		
836.5	1			0	23.03	0.4	21.28	<=38.45	Pass	
				2	23.10	0.4	21.35	<=38.45	Pass	
			5	23.00	0.4	21.25	<=38.45	Pass		
	3		0	23.33	0.4	21.58	<=38.45	Pass		
			2	23.32	0.4	21.57	<=38.45	Pass		
			3	23.30	0.4	21.55	<=38.45	Pass		
6	0		22.18	0.4	20.43	<=38.45	Pass			
848.3	1		0	22.93	0.4	21.18	<=38.45	Pass		
			2	23.05	0.4	21.3	<=38.45	Pass		
			5	22.99	0.4	21.24	<=38.45	Pass		
	3		0	23.03	0.4	21.28	<=38.45	Pass		
			2	23.04	0.4	21.29	<=38.45	Pass		
			3	22.86	0.4	21.11	<=38.45	Pass		
	6		0	22.05	0.4	20.3	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	24.44	0.4	22.69	<=38.45	Pass		
			7	24.54	0.4	22.79	<=38.45	Pass		
			14	24.48	0.4	22.73	<=38.45	Pass		
		8	0	23.32	0.4	21.57	<=38.45	Pass		
			4	23.38	0.4	21.63	<=38.45	Pass		
			7	23.31	0.4	21.56	<=38.45	Pass		
		15	0	23.20	0.4	21.45	<=38.45	Pass		
		836.5	1	0	24.21	0.4	22.46	<=38.45	Pass	
				7	24.34	0.4	22.59	<=38.45	Pass	
	14			24.19	0.4	22.44	<=38.45	Pass		
	8		0	23.19	0.4	21.44	<=38.45	Pass		
			4	23.21	0.4	21.46	<=38.45	Pass		
			7	23.17	0.4	21.42	<=38.45	Pass		
	15		0	23.14	0.4	21.39	<=38.45	Pass		
	847.5		1	0	24.16	0.4	22.41	<=38.45	Pass	
				7	24.28	0.4	22.53	<=38.45	Pass	
		14		24.40	0.4	22.65	<=38.45	Pass		
		8	0	23.18	0.4	21.43	<=38.45	Pass		
			4	23.23	0.4	21.48	<=38.45	Pass		
			7	23.19	0.4	21.44	<=38.45	Pass		
		15	0	23.16	0.4	21.41	<=38.45	Pass		
		16QAM	825.5	1	0	23.21	0.4	21.46	<=38.45	Pass
					7	23.32	0.4	21.57	<=38.45	Pass
	14				23.17	0.4	21.42	<=38.45	Pass	
8	0			22.32	0.4	20.57	<=38.45	Pass		
	4			22.37	0.4	20.62	<=38.45	Pass		
	7			22.30	0.4	20.55	<=38.45	Pass		
15	0			22.23	0.4	20.48	<=38.45	Pass		
836.5	1			0	23.35	0.4	21.6	<=38.45	Pass	
				7	23.46	0.4	21.71	<=38.45	Pass	
			14	23.31	0.4	21.56	<=38.45	Pass		
	8		0	22.27	0.4	20.52	<=38.45	Pass		
			4	22.26	0.4	20.51	<=38.45	Pass		
			7	22.21	0.4	20.46	<=38.45	Pass		
	15		0	22.21	0.4	20.46	<=38.45	Pass		
	847.5		1	0	23.62	0.4	21.87	<=38.45	Pass	
				7	23.71	0.4	21.96	<=38.45	Pass	
14				23.39	0.4	21.64	<=38.45	Pass		
8			0	22.36	0.4	20.61	<=38.45	Pass		
			4	22.43	0.4	20.68	<=38.45	Pass		
			7	22.32	0.4	20.57	<=38.45	Pass		
15			0	22.27	0.4	20.52	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	24.11	0.4	22.36	<=38.45	Pass		
			13	24.27	0.4	22.52	<=38.45	Pass		
			24	24.13	0.4	22.38	<=38.45	Pass		
		12	0	23.02	0.4	21.27	<=38.45	Pass		
			6	23.11	0.4	21.36	<=38.45	Pass		
			13	23.00	0.4	21.25	<=38.45	Pass		
		25	0	23.01	0.4	21.26	<=38.45	Pass		
		836.5	1	0	23.99	0.4	22.24	<=38.45	Pass	
				13	24.08	0.4	22.33	<=38.45	Pass	
	24			23.97	0.4	22.22	<=38.45	Pass		
	12		0	22.99	0.4	21.24	<=38.45	Pass		
			6	23.07	0.4	21.32	<=38.45	Pass		
			13	22.96	0.4	21.21	<=38.45	Pass		
	25		0	23.00	0.4	21.25	<=38.45	Pass		
	846.5		1	0	23.99	0.4	22.24	<=38.45	Pass	
				13	24.05	0.4	22.3	<=38.45	Pass	
		24		24.07	0.4	22.32	<=38.45	Pass		
		12	0	22.95	0.4	21.2	<=38.45	Pass		
			6	23.03	0.4	21.28	<=38.45	Pass		
			13	22.92	0.4	21.17	<=38.45	Pass		
		25	0	22.96	0.4	21.21	<=38.45	Pass		
		16QAM	826.5	1	0	22.99	0.4	21.24	<=38.45	Pass
					13	23.14	0.4	21.39	<=38.45	Pass
	24				23.00	0.4	21.25	<=38.45	Pass	
12	0			22.02	0.4	20.27	<=38.45	Pass		
	6			22.11	0.4	20.36	<=38.45	Pass		
	13			22.00	0.4	20.25	<=38.45	Pass		
25	0			22.05	0.4	20.3	<=38.45	Pass		
836.5	1			0	23.21	0.4	21.46	<=38.45	Pass	
				13	23.29	0.4	21.54	<=38.45	Pass	
			24	23.08	0.4	21.33	<=38.45	Pass		
	12		0	22.16	0.4	20.41	<=38.45	Pass		
			6	22.20	0.4	20.45	<=38.45	Pass		
			13	22.08	0.4	20.33	<=38.45	Pass		
	25		0	22.08	0.4	20.33	<=38.45	Pass		
	846.5		1	0	22.65	0.4	20.9	<=38.45	Pass	
				13	22.85	0.4	21.1	<=38.45	Pass	
24				22.68	0.4	20.93	<=38.45	Pass		
12			0	22.07	0.4	20.32	<=38.45	Pass		
			6	22.12	0.4	20.37	<=38.45	Pass		
			13	22.00	0.4	20.25	<=38.45	Pass		
25			0	22.06	0.4	20.31	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	829	1	0	24.16	0.4	22.41	<=38.45	Pass		
			25	24.42	0.4	22.67	<=38.45	Pass		
			49	24.05	0.4	22.3	<=38.45	Pass		
		25	0	23.17	0.4	21.42	<=38.45	Pass		
			13	23.14	0.4	21.39	<=38.45	Pass		
			25	23.08	0.4	21.33	<=38.45	Pass		
		50	0	23.10	0.4	21.35	<=38.45	Pass		
		836.5	1	0	24.05	0.4	22.3	<=38.45	Pass	
				25	24.32	0.4	22.57	<=38.45	Pass	
	49			24.15	0.4	22.4	<=38.45	Pass		
	25		0	23.13	0.4	21.38	<=38.45	Pass		
			13	23.11	0.4	21.36	<=38.45	Pass		
			25	23.00	0.4	21.25	<=38.45	Pass		
	50		0	23.03	0.4	21.28	<=38.45	Pass		
	844		1	0	24.11	0.4	22.36	<=38.45	Pass	
				25	24.40	0.4	22.65	<=38.45	Pass	
		49		24.16	0.4	22.41	<=38.45	Pass		
		25	0	23.12	0.4	21.37	<=38.45	Pass		
			13	23.05	0.4	21.3	<=38.45	Pass		
			25	23.03	0.4	21.28	<=38.45	Pass		
		50	0	23.08	0.4	21.33	<=38.45	Pass		
		16QAM	829	1	0	23.13	0.4	21.38	<=38.45	Pass
					25	23.34	0.4	21.59	<=38.45	Pass
	49				23.20	0.4	21.45	<=38.45	Pass	
25	0			22.15	0.4	20.4	<=38.45	Pass		
	13			22.13	0.4	20.38	<=38.45	Pass		
	25			22.15	0.4	20.4	<=38.45	Pass		
50	0			22.12	0.4	20.37	<=38.45	Pass		
836.5	1			0	23.46	0.4	21.71	<=38.45	Pass	
				25	23.71	0.4	21.96	<=38.45	Pass	
			49	23.28	0.4	21.53	<=38.45	Pass		
	25		0	22.25	0.4	20.5	<=38.45	Pass		
			13	22.22	0.4	20.47	<=38.45	Pass		
			25	22.09	0.4	20.34	<=38.45	Pass		
	50		0	22.16	0.4	20.41	<=38.45	Pass		
	844		1	0	22.91	0.4	21.16	<=38.45	Pass	
				25	23.12	0.4	21.37	<=38.45	Pass	
49				22.91	0.4	21.16	<=38.45	Pass		
25			0	22.15	0.4	20.4	<=38.45	Pass		
			13	22.10	0.4	20.35	<=38.45	Pass		
			25	22.16	0.4	20.41	<=38.45	Pass		
50			0	22.13	0.4	20.38	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-1.330	-0.0016	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0087	-2.5 to 2.5	Pass
					4.43	-8.755	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-12.116	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-12.031	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-12.574	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
	40	3.85	-14.648	-0.0178	-2.5 to 2.5	Pass			
	50	3.85	-12.360	-0.0150	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-11.659	-0.0139	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
					4.43	-10.915	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-7.982	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-15.020	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-8.354	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-9.913	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0107	-2.5 to 2.5	Pass
	40	3.85	12.417	0.0148	-2.5 to 2.5	Pass			
	50	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-8.454	-0.0100	-2.5 to 2.5	Pass
					3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-6.924	-0.0082	-2.5 to 2.5	Pass
-10				3.85	-4.177	-0.0049	-2.5 to 2.5	Pass	
0				3.85	-6.766	-0.0080	-2.5 to 2.5	Pass	
10				3.85	-5.922	-0.0070	-2.5 to 2.5	Pass	
30				3.85	-8.698	-0.0103	-2.5 to 2.5	Pass	
40	3.85	-7.167	-0.0084	-2.5 to 2.5	Pass				
50	3.85	3.262	0.0038	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-7.610	-0.0092	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-8.712	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-17.352	-0.0210	-2.5 to 2.5	Pass
	40	3.85	-7.925	-0.0096	-2.5 to 2.5	Pass			
	50	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-8.426	-0.0101	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0108	-2.5 to 2.5	Pass

					4.43	-7.467	-0.0089	-2.5 to 2.5	Pass			
				-30	3.85	-8.225	-0.0098	-2.5 to 2.5	Pass			
				-20	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass			
				-10	3.85	-8.340	-0.0100	-2.5 to 2.5	Pass			
				0	3.85	-8.125	-0.0097	-2.5 to 2.5	Pass			
				10	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass			
				30	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass			
				40	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass			
				50	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-3.562	-0.0042	-2.5 to 2.5	Pass			
3.85					-8.054	-0.0095	-2.5 to 2.5	Pass				
4.43					-7.854	-0.0093	-2.5 to 2.5	Pass				
							-30	3.85	-7.339	-0.0087	-2.5 to 2.5	Pass
							-20	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
							-10	3.85	-10.371	-0.0122	-2.5 to 2.5	Pass
							0	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
							10	3.85	-6.537	-0.0077	-2.5 to 2.5	Pass
							30	3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
							40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
							50	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass

2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	825.5	15	0	20	3.27	0.987	0.0012	-2.5 to 2.5	Pass				
					3.85	-5.279	-0.0064	-2.5 to 2.5	Pass				
					4.43	-6.437	-0.0078	-2.5 to 2.5	Pass				
								-30	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
								-20	3.85	-8.125	-0.0098	-2.5 to 2.5	Pass
								-10	3.85	-2.532	-0.0031	-2.5 to 2.5	Pass
								0	3.85	-6.781	-0.0082	-2.5 to 2.5	Pass
								10	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
								30	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
								40	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
								50	3.85	-7.753	-0.0094	-2.5 to 2.5	Pass
					836.5	15	0	20	3.27	-3.991	-0.0048	-2.5 to 2.5	Pass
	3.85	-6.495	-0.0078	-2.5 to 2.5					Pass				
	4.43	-6.766	-0.0081	-2.5 to 2.5					Pass				
								-30	3.85	-4.363	-0.0052	-2.5 to 2.5	Pass
								-20	3.85	-8.097	-0.0097	-2.5 to 2.5	Pass
								-10	3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
								0	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
								10	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
								30	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
								40	3.85	-6.351	-0.0076	-2.5 to 2.5	Pass
								50	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
		847.5	15	0				20	3.27	-0.315	-0.0004	-2.5 to 2.5	Pass
	3.85				15.306	0.0181	-2.5 to 2.5		Pass				
	4.43				-1.302	-0.0015	-2.5 to 2.5		Pass				
								-30	3.85	-4.249	-0.0050	-2.5 to 2.5	Pass
					-20	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass			

				-10	3.85	-2.518	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0060	-2.5 to 2.5	Pass
				40	3.85	1.359	0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0040	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-4.950	-0.0060	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.518	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
	50	3.85	-6.151	-0.0075	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-9.141	-0.0109	-2.5 to 2.5	Pass
					3.85	-7.296	-0.0087	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
	50	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-3.290	-0.0039	-2.5 to 2.5	Pass
					3.85	2.346	0.0028	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.978	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
30				3.85	-0.057	-0.0001	-2.5 to 2.5	Pass	
40				3.85	-1.688	-0.0020	-2.5 to 2.5	Pass	
50	3.85	-4.277	-0.0050	-2.5 to 2.5	Pass				

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-1.345	-0.0016	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
					4.43	-3.018	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.317	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.722	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass

	836.5	25	0	30	3.85	-3.905	-0.0047	-2.5 to 2.5	Pass	
				40	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass	
				50	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass	
				20	3.27	-7.997	-0.0096	-2.5 to 2.5	Pass	
					3.85	-1.316	-0.0016	-2.5 to 2.5	Pass	
					4.43	-1.287	-0.0015	-2.5 to 2.5	Pass	
				-30	3.85	-6.752	-0.0081	-2.5 to 2.5	Pass	
				-20	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass	
				-10	3.85	-7.253	-0.0087	-2.5 to 2.5	Pass	
	0	3.85	-6.495	-0.0078	-2.5 to 2.5	Pass				
	10	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass				
	846.5	25	0	20	3.27	-5.836	-0.0069	-2.5 to 2.5	Pass	
					3.85	-6.037	-0.0071	-2.5 to 2.5	Pass	
					4.43	-6.809	-0.0080	-2.5 to 2.5	Pass	
				-30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass	
				-20	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass	
				-10	3.85	-9.227	-0.0109	-2.5 to 2.5	Pass	
				0	3.85	-7.768	-0.0092	-2.5 to 2.5	Pass	
				10	3.85	-6.008	-0.0071	-2.5 to 2.5	Pass	
				30	3.85	-2.918	-0.0034	-2.5 to 2.5	Pass	
	16QAM	826.5	25	0	20	3.27	-3.333	-0.0040	-2.5 to 2.5	Pass
						3.85	-2.203	-0.0027	-2.5 to 2.5	Pass
						4.43	0.787	0.0010	-2.5 to 2.5	Pass
					-30	3.85	0.601	0.0007	-2.5 to 2.5	Pass
					-20	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
					-10	3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
					0	3.85	-11.487	-0.0139	-2.5 to 2.5	Pass
					10	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass
					30	3.85	-7.424	-0.0090	-2.5 to 2.5	Pass
		836.5	25	0	20	3.27	-3.090	-0.0037	-2.5 to 2.5	Pass
3.85						0.415	0.0005	-2.5 to 2.5	Pass	
4.43						-1.788	-0.0021	-2.5 to 2.5	Pass	
-30					3.85	-2.689	-0.0032	-2.5 to 2.5	Pass	
-20					3.85	1.044	0.0012	-2.5 to 2.5	Pass	
-10					3.85	-9.098	-0.0109	-2.5 to 2.5	Pass	
0					3.85	-7.167	-0.0086	-2.5 to 2.5	Pass	
10					3.85	-5.665	-0.0068	-2.5 to 2.5	Pass	
30					3.85	-4.907	-0.0059	-2.5 to 2.5	Pass	
846.5		25	0	20	3.27	-8.569	-0.0101	-2.5 to 2.5	Pass	
					3.85	-8.025	-0.0095	-2.5 to 2.5	Pass	
					4.43	-4.334	-0.0051	-2.5 to 2.5	Pass	
				-30	3.85	-3.805	-0.0045	-2.5 to 2.5	Pass	
				-20	3.85	-3.977	-0.0047	-2.5 to 2.5	Pass	
				-10	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass	
				0	3.85	-11.387	-0.0135	-2.5 to 2.5	Pass	
				10	3.85	-9.942	-0.0117	-2.5 to 2.5	Pass	
				30	3.85	-8.912	-0.0105	-2.5 to 2.5	Pass	
40		3.85	-8.454	-0.0100	-2.5 to 2.5	Pass				

				50	3.85	-9.155	-0.0108	-2.5 to 2.5	Pass
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2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	829	50	0	20	3.27	-10.643	-0.0128	-2.5 to 2.5	Pass	
					3.85	-3.448	-0.0042	-2.5 to 2.5	Pass	
					4.43	-9.041	-0.0109	-2.5 to 2.5	Pass	
				-30	3.85	-9.699	-0.0117	-2.5 to 2.5	Pass	
					-20	3.85	-7.839	-0.0095	-2.5 to 2.5	Pass
						3.85	-8.054	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass	
					3.85	-5.708	-0.0069	-2.5 to 2.5	Pass	
				30	3.85	-1.788	-0.0022	-2.5 to 2.5	Pass	
	40	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass				
	50	3.85	-7.281	-0.0088	-2.5 to 2.5	Pass				
	836.5	50	0	20	3.27	-7.868	-0.0094	-2.5 to 2.5	Pass	
					3.85	-2.761	-0.0033	-2.5 to 2.5	Pass	
					4.43	-3.791	-0.0045	-2.5 to 2.5	Pass	
				-30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass	
					-20	3.85	-9.298	-0.0111	-2.5 to 2.5	Pass
						3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0080	-2.5 to 2.5	Pass	
					3.85	-4.735	-0.0057	-2.5 to 2.5	Pass	
				30	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass	
	40	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass				
	50	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass				
	844	50	0	20	3.27	-7.081	-0.0084	-2.5 to 2.5	Pass	
					3.85	-6.194	-0.0073	-2.5 to 2.5	Pass	
					4.43	-4.148	-0.0049	-2.5 to 2.5	Pass	
				-30	3.85	-5.507	-0.0065	-2.5 to 2.5	Pass	
					-20	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
3.85						-8.340	-0.0099	-2.5 to 2.5	Pass	
0				3.85	-6.366	-0.0075	-2.5 to 2.5	Pass		
				3.85	-8.497	-0.0101	-2.5 to 2.5	Pass		
30				3.85	-5.064	-0.0060	-2.5 to 2.5	Pass		
40	3.85	-5.822	-0.0069	-2.5 to 2.5	Pass					
50	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass					
16QAM	829	50	0	20	3.27	-3.662	-0.0044	-2.5 to 2.5	Pass	
					3.85	-3.548	-0.0043	-2.5 to 2.5	Pass	
					4.43	-9.027	-0.0109	-2.5 to 2.5	Pass	
				-30	3.85	-9.627	-0.0116	-2.5 to 2.5	Pass	
					-20	3.85	-8.211	-0.0099	-2.5 to 2.5	Pass
						3.85	-9.241	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass	
					3.85	-4.878	-0.0059	-2.5 to 2.5	Pass	
				30	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass	
	40	3.85	-11.759	-0.0142	-2.5 to 2.5	Pass				
	50	3.85	-8.740	-0.0105	-2.5 to 2.5	Pass				
	836.5	50	0	20	3.27	-6.452	-0.0077	-2.5 to 2.5	Pass	
					3.85	-4.106	-0.0049	-2.5 to 2.5	Pass	

					4.43	-0.587	-0.0007	-2.5 to 2.5	Pass			
				-30	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass			
				-20	3.85	-4.263	-0.0051	-2.5 to 2.5	Pass			
				-10	3.85	-6.280	-0.0075	-2.5 to 2.5	Pass			
				0	3.85	-7.968	-0.0095	-2.5 to 2.5	Pass			
				10	3.85	-10.042	-0.0120	-2.5 to 2.5	Pass			
				30	3.85	-4.992	-0.0060	-2.5 to 2.5	Pass			
				40	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass			
				50	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-7.825	-0.0093	-2.5 to 2.5	Pass			
3.85					-4.106	-0.0049	-2.5 to 2.5	Pass				
4.43					-7.668	-0.0091	-2.5 to 2.5	Pass				
							-30	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
							-20	3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
							-10	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass
							0	3.85	-10.929	-0.0129	-2.5 to 2.5	Pass
							10	3.85	-11.144	-0.0132	-2.5 to 2.5	Pass
							30	3.85	-9.828	-0.0116	-2.5 to 2.5	Pass
							40	3.85	-11.859	-0.0141	-2.5 to 2.5	Pass
							50	3.85	-6.852	-0.0081	-2.5 to 2.5	Pass

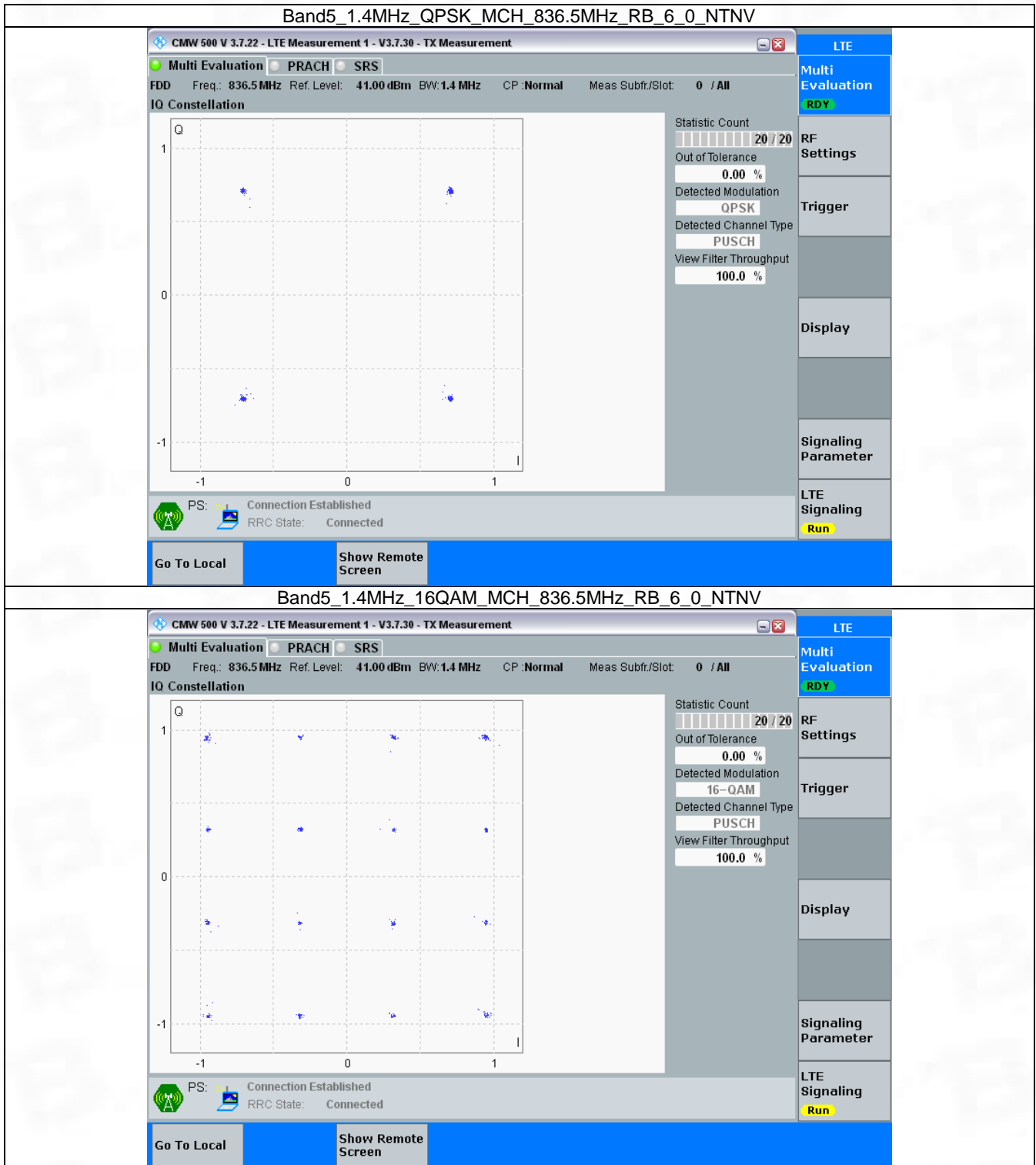
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

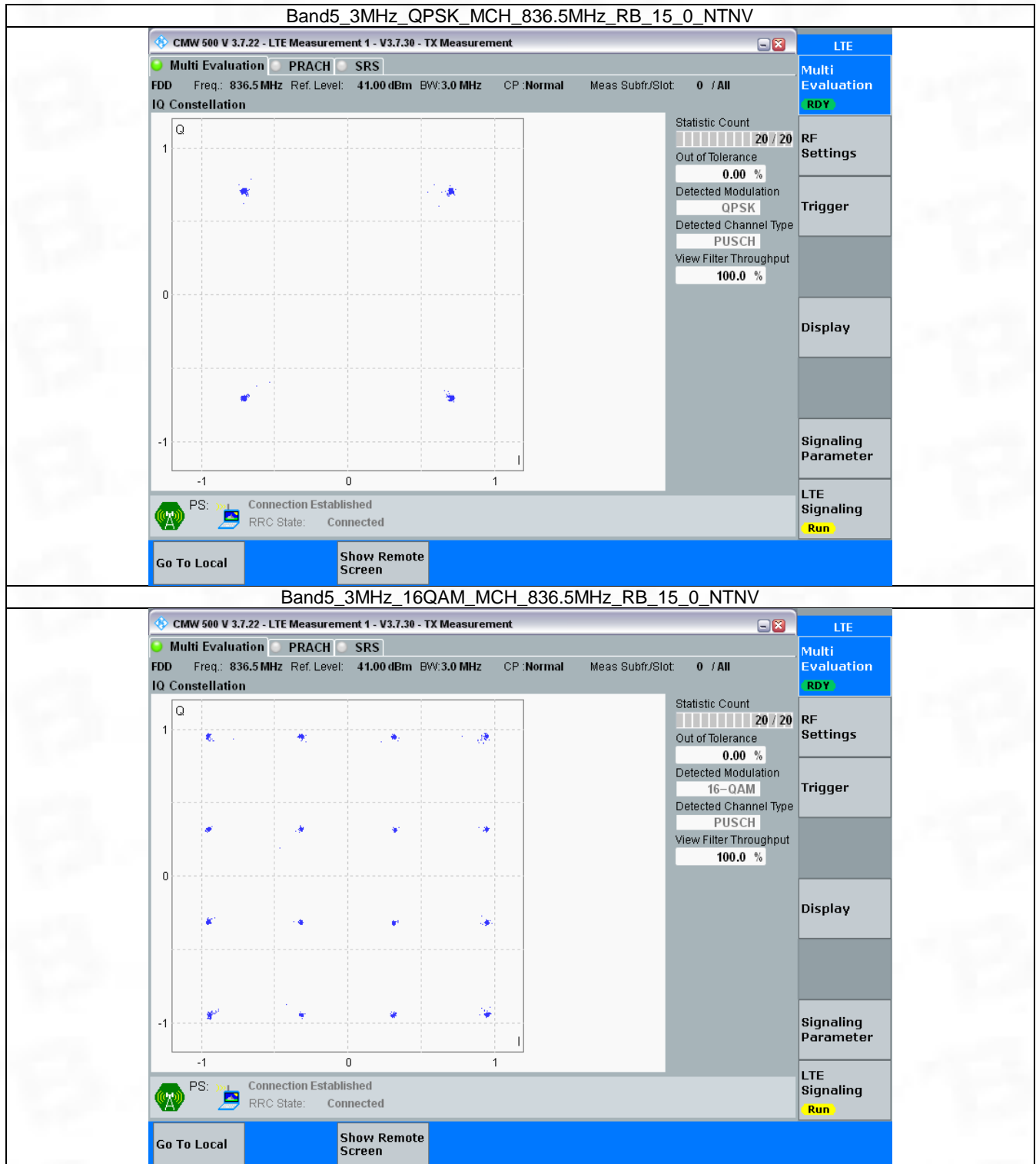


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

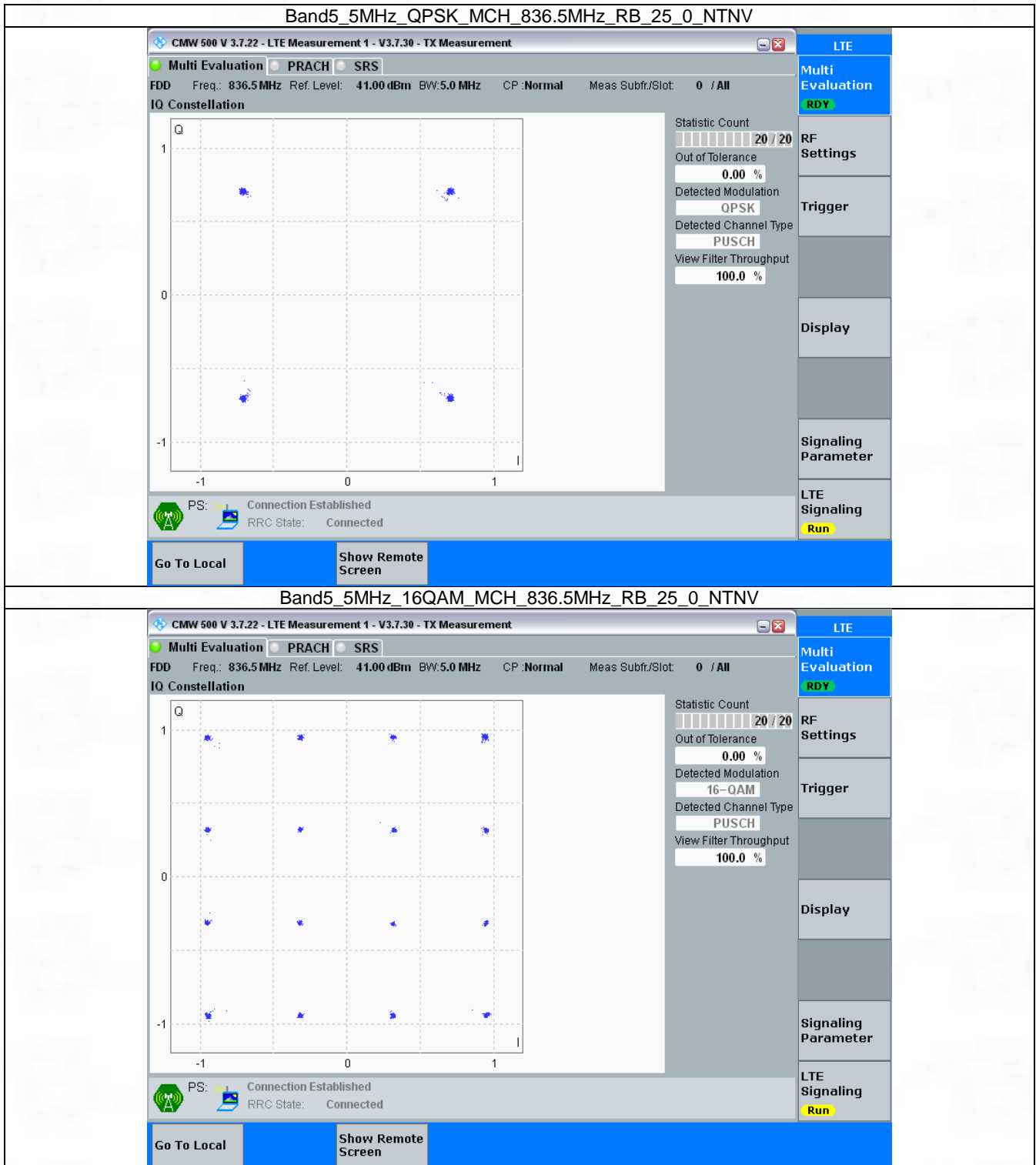


3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

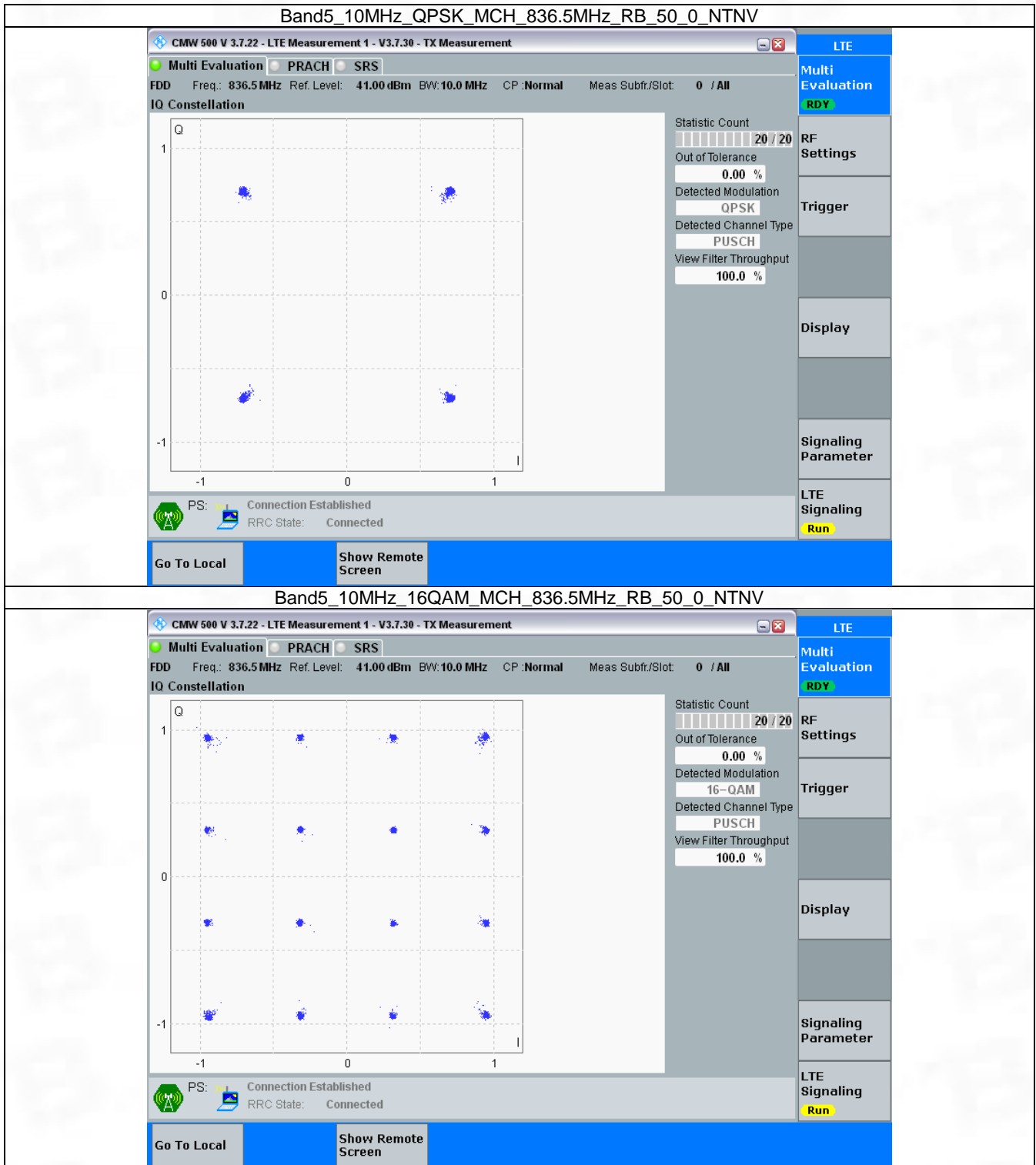


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph



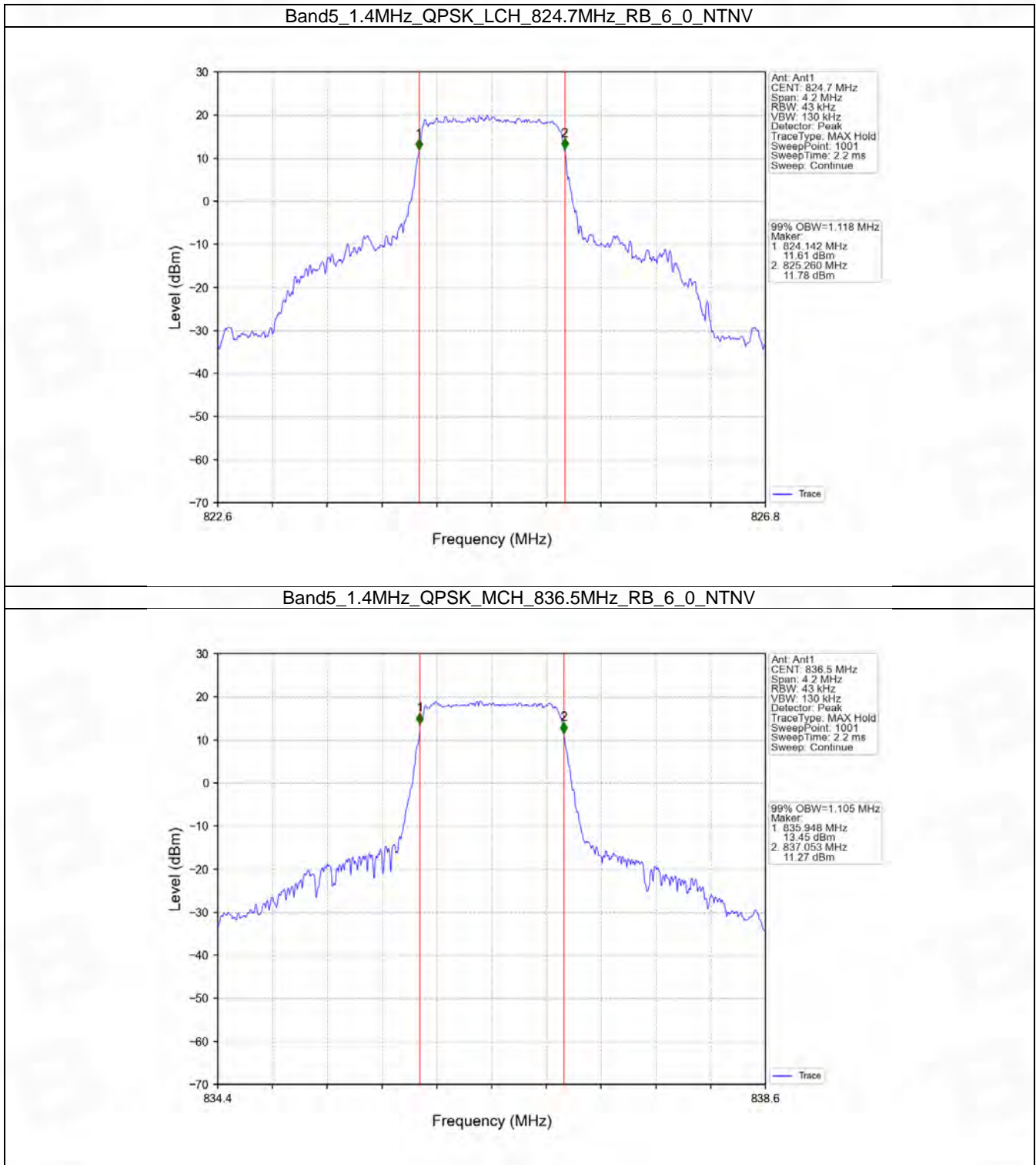
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

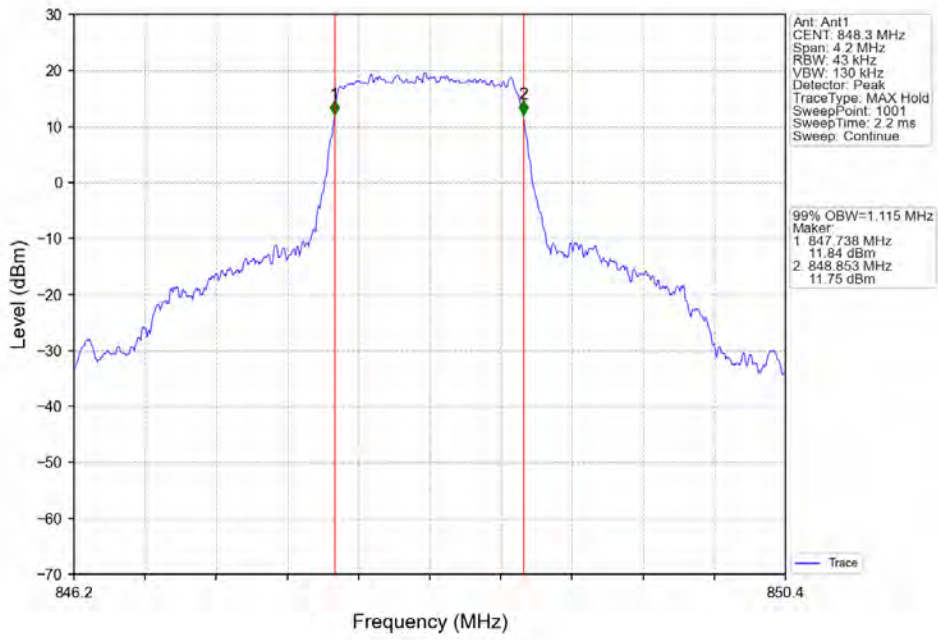
4.1.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.118	Pass
		836.5	6	0	1.105	Pass
		848.3	6	0	1.115	Pass
	16QAM	824.7	6	0	1.106	Pass
		836.5	6	0	1.110	Pass
		848.3	6	0	1.112	Pass
3	QPSK	825.5	15	0	2.742	Pass
		836.5	15	0	2.736	Pass
		847.5	15	0	2.728	Pass
	16QAM	825.5	15	0	2.721	Pass
		836.5	15	0	2.727	Pass
		847.5	15	0	2.713	Pass
5	QPSK	826.5	25	0	4.585	Pass
		836.5	25	0	4.563	Pass
		846.5	25	0	4.577	Pass
	16QAM	826.5	25	0	4.605	Pass
		836.5	25	0	4.604	Pass
		846.5	25	0	4.546	Pass
10	QPSK	829	50	0	9.095	Pass
		836.5	50	0	9.074	Pass
		844	50	0	9.146	Pass
	16QAM	829	50	0	9.107	Pass
		836.5	50	0	9.047	Pass
		844	50	0	9.155	Pass

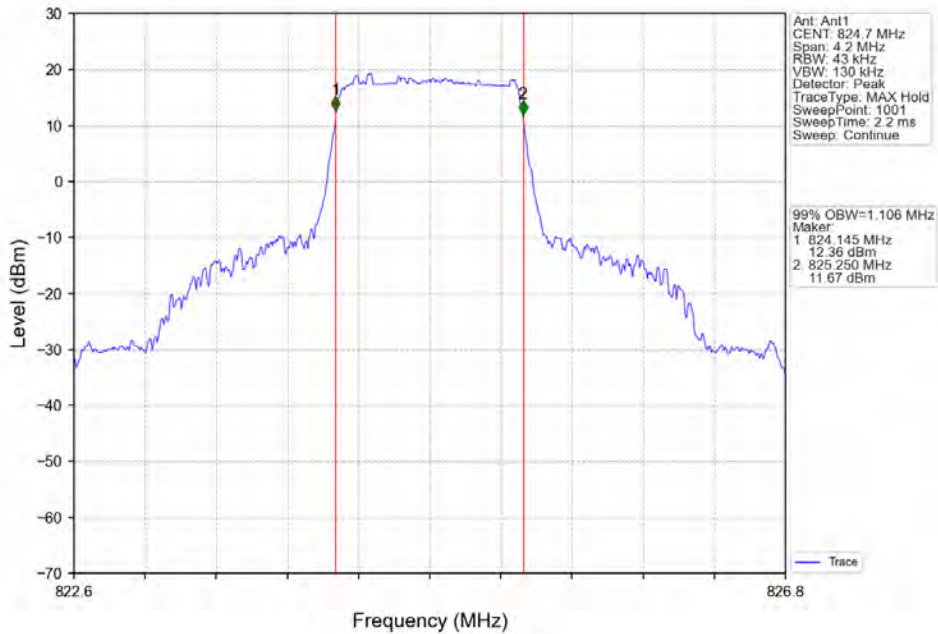
4.1.2 Test Graph



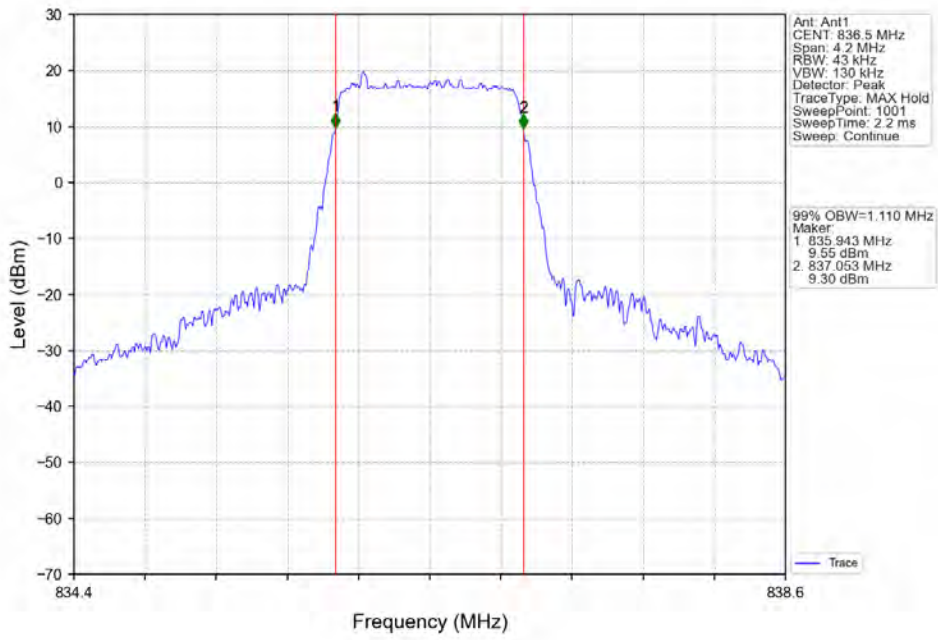
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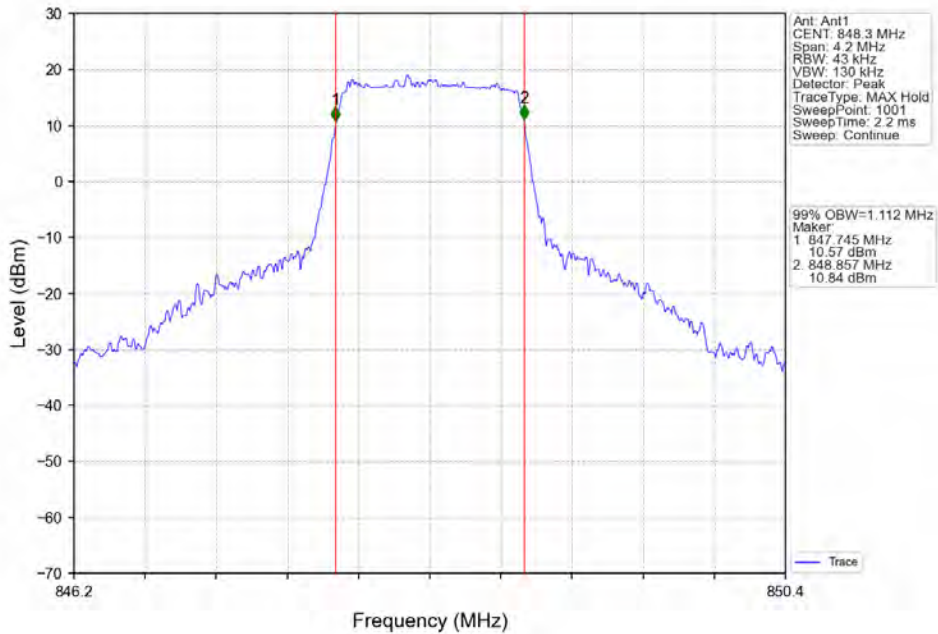
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



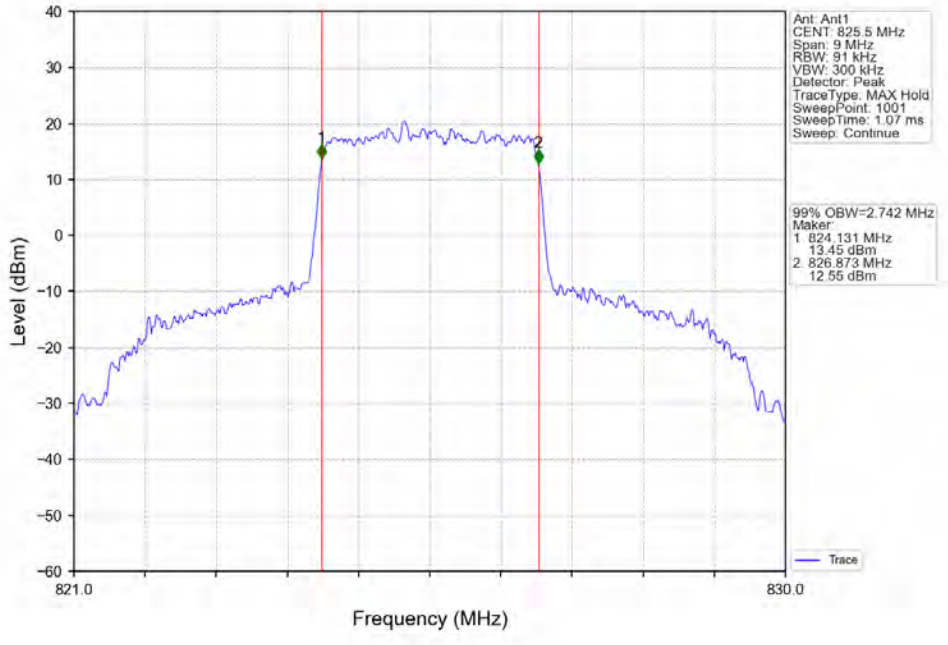
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



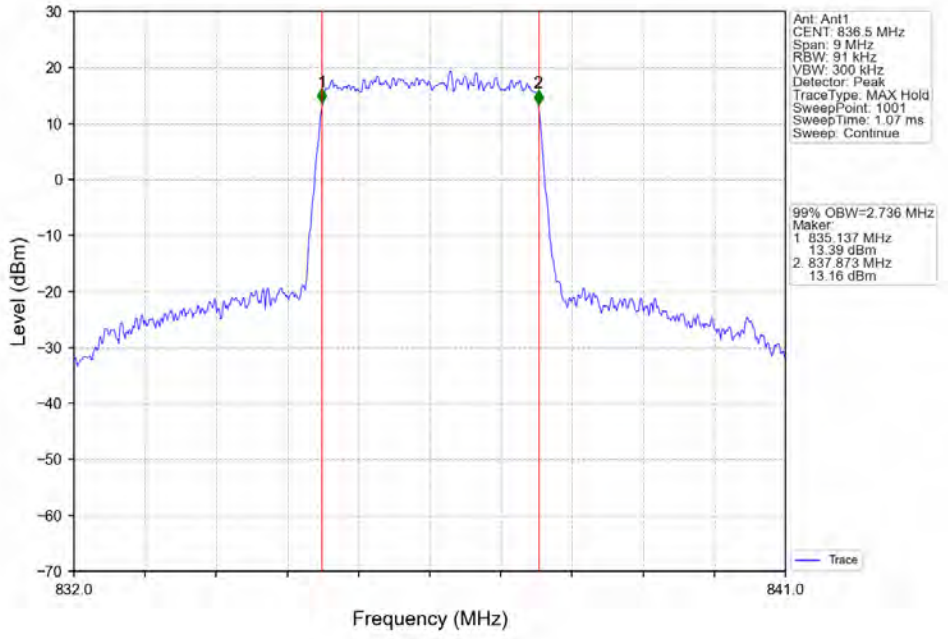
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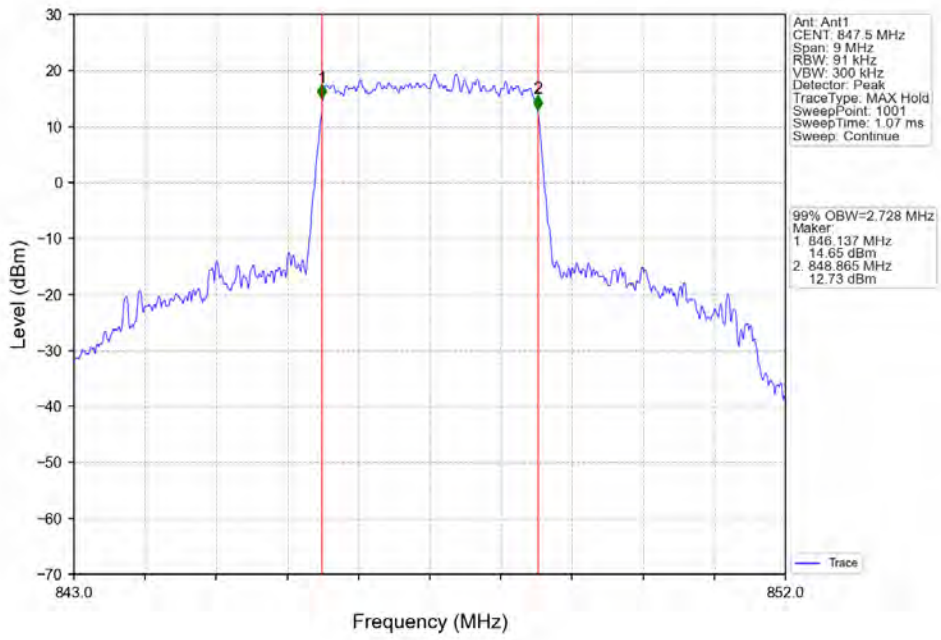
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



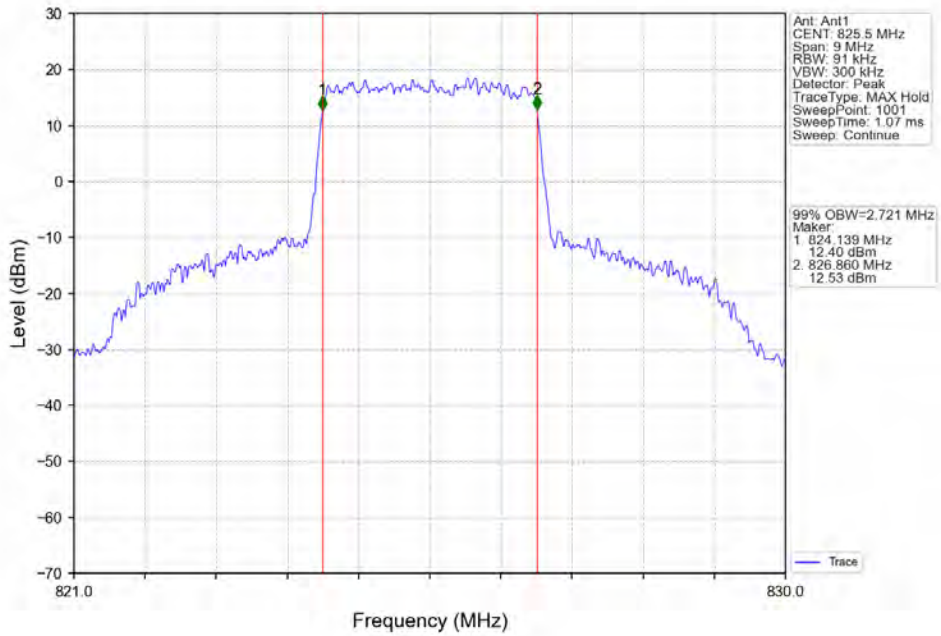
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



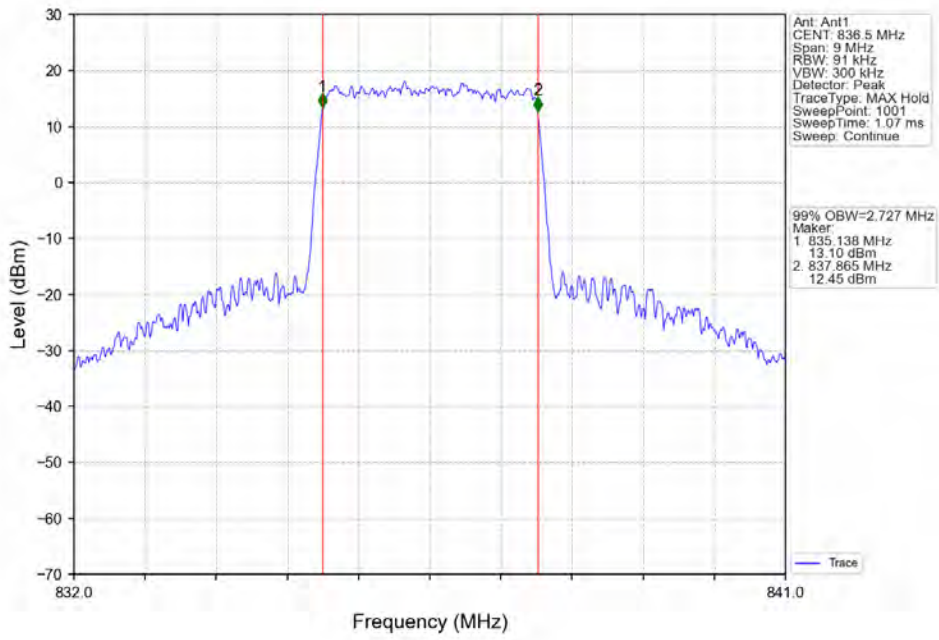
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



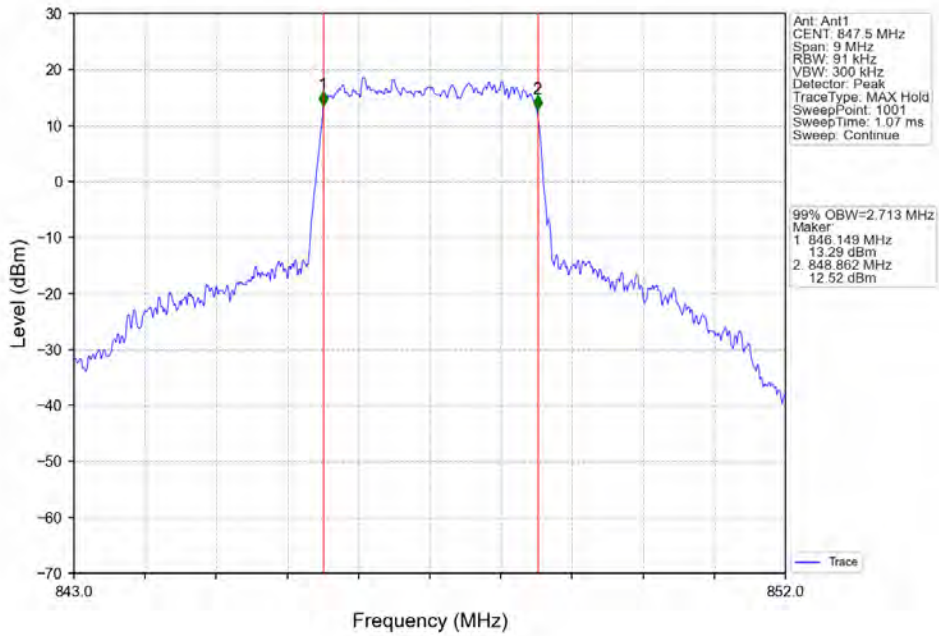
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



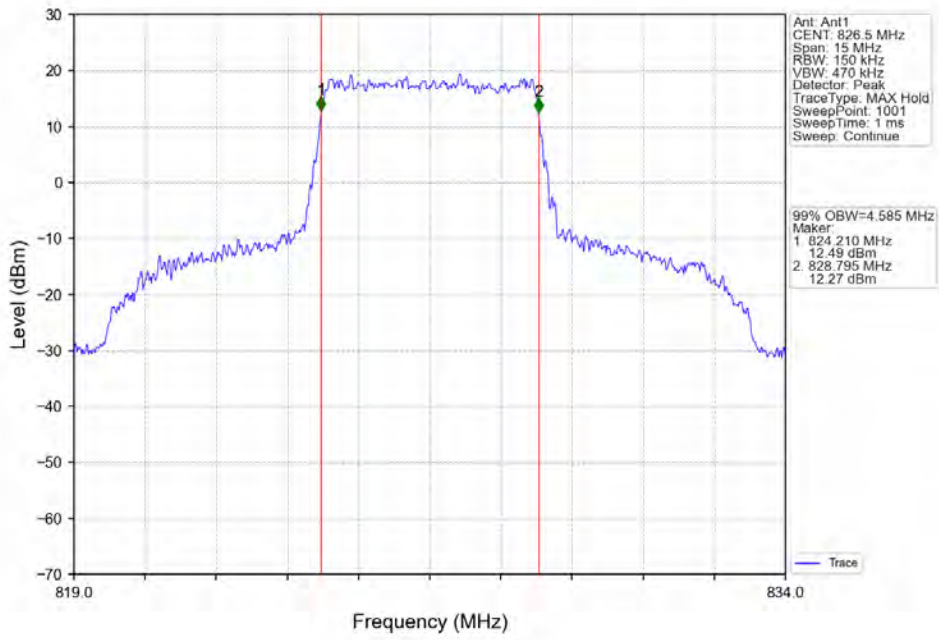
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



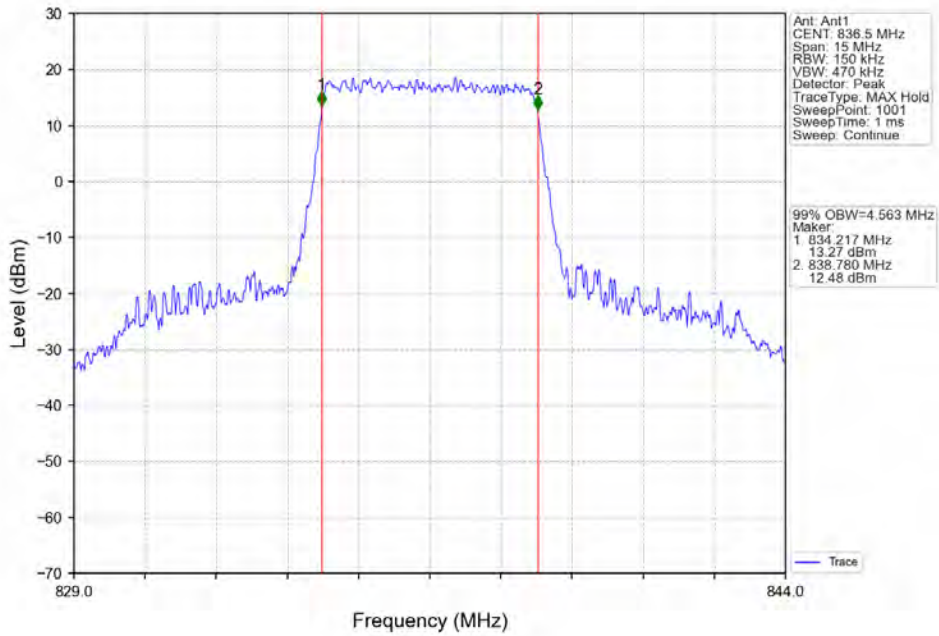
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



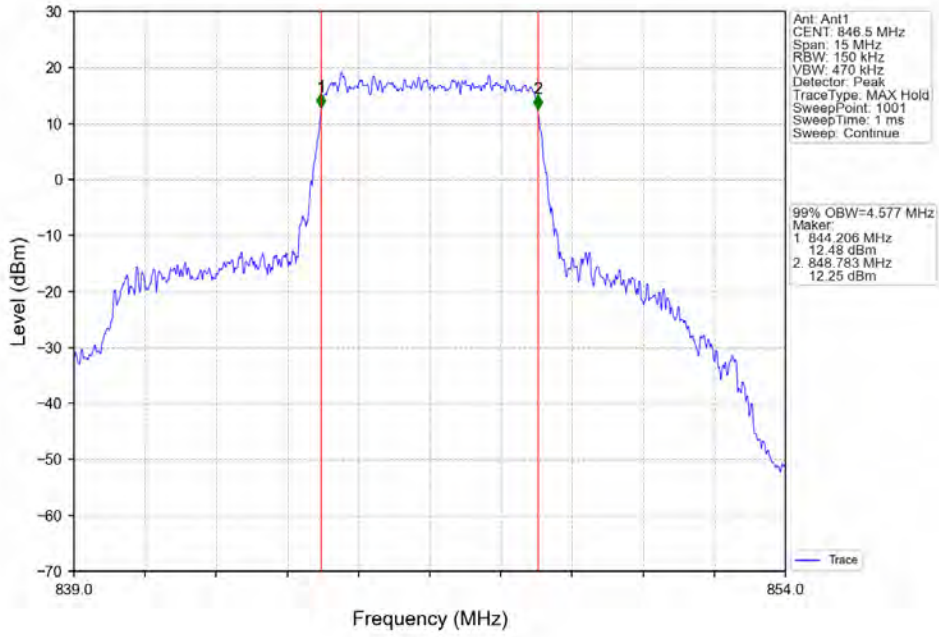
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



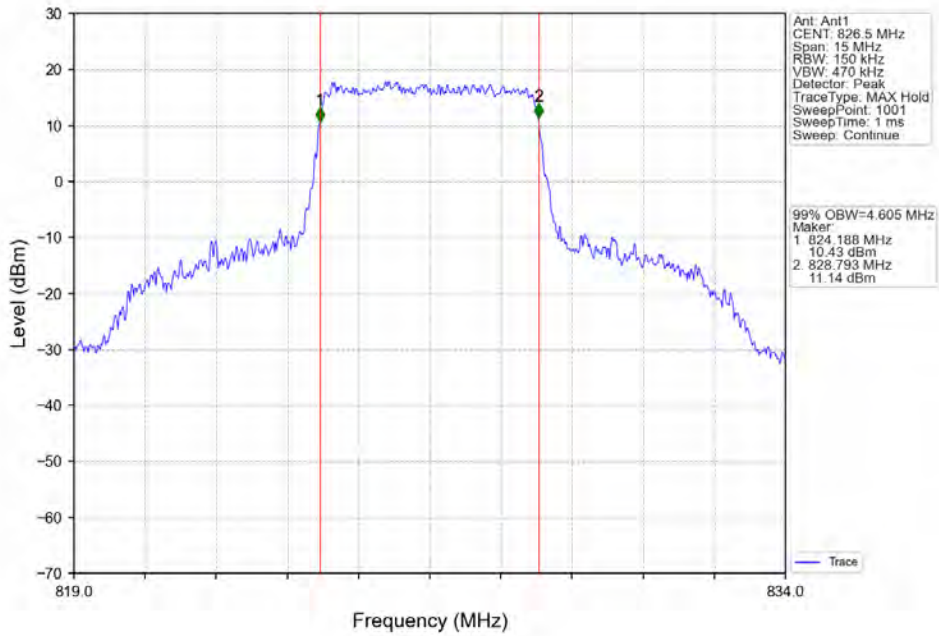
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



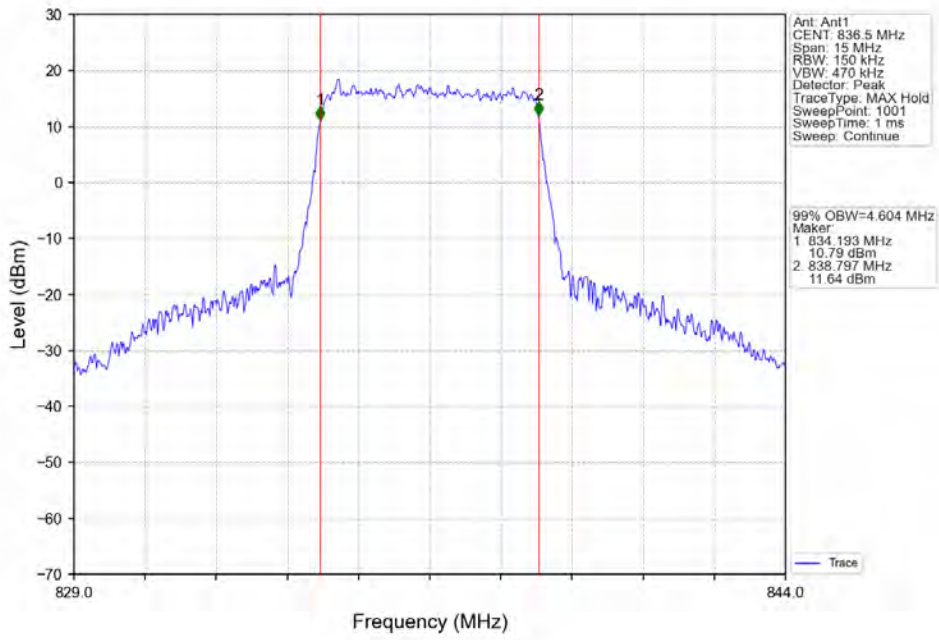
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



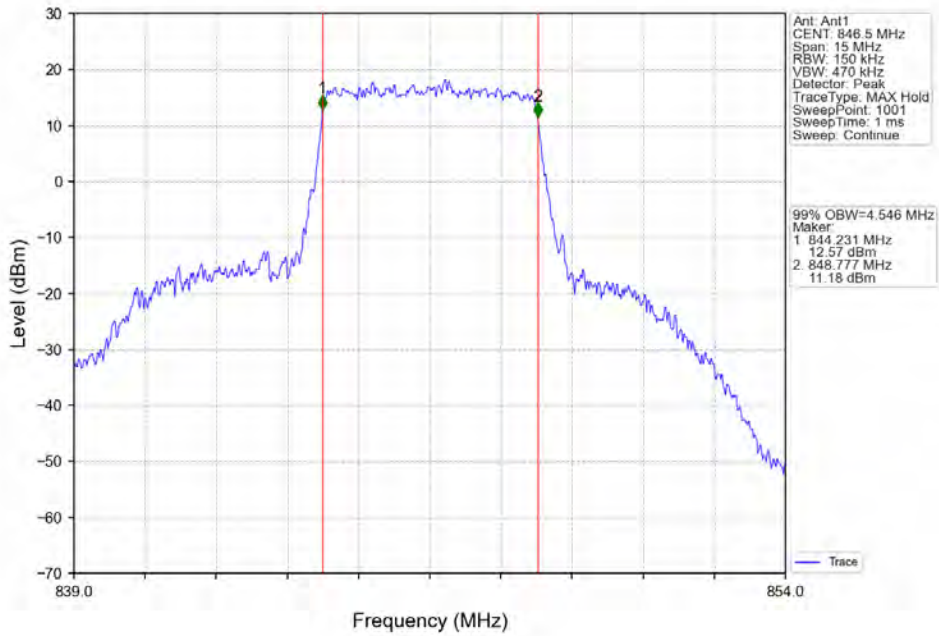
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



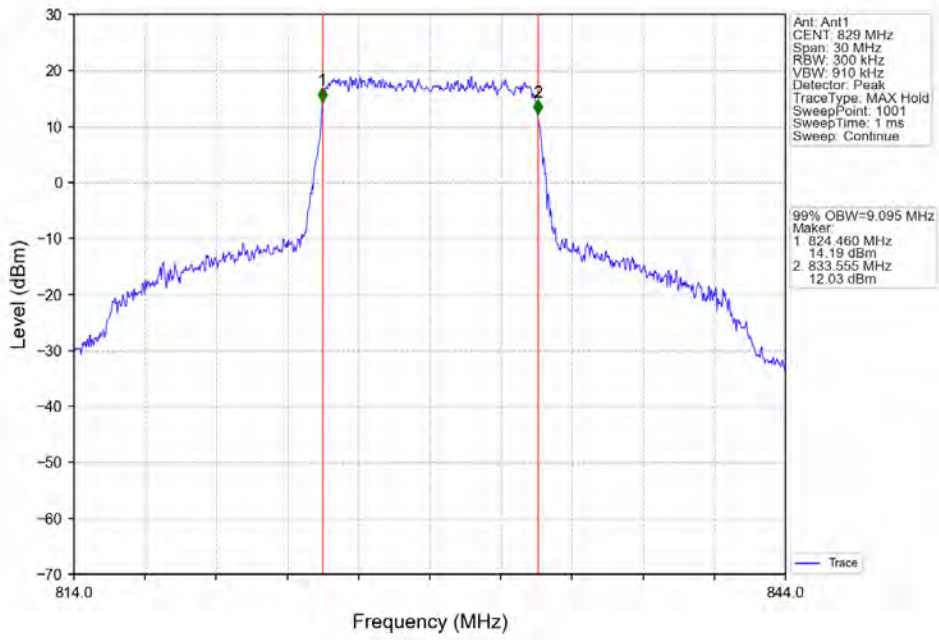
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



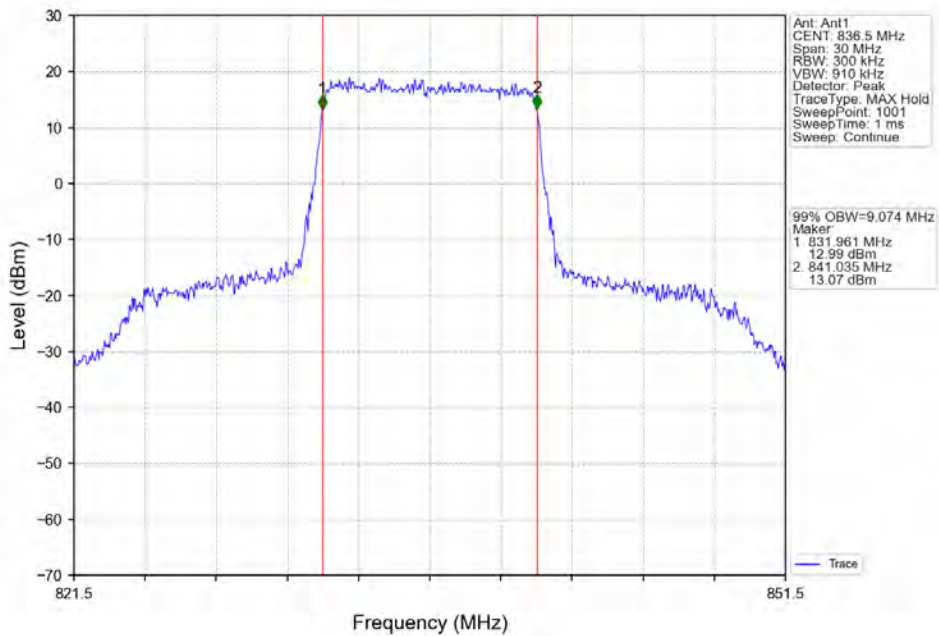
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



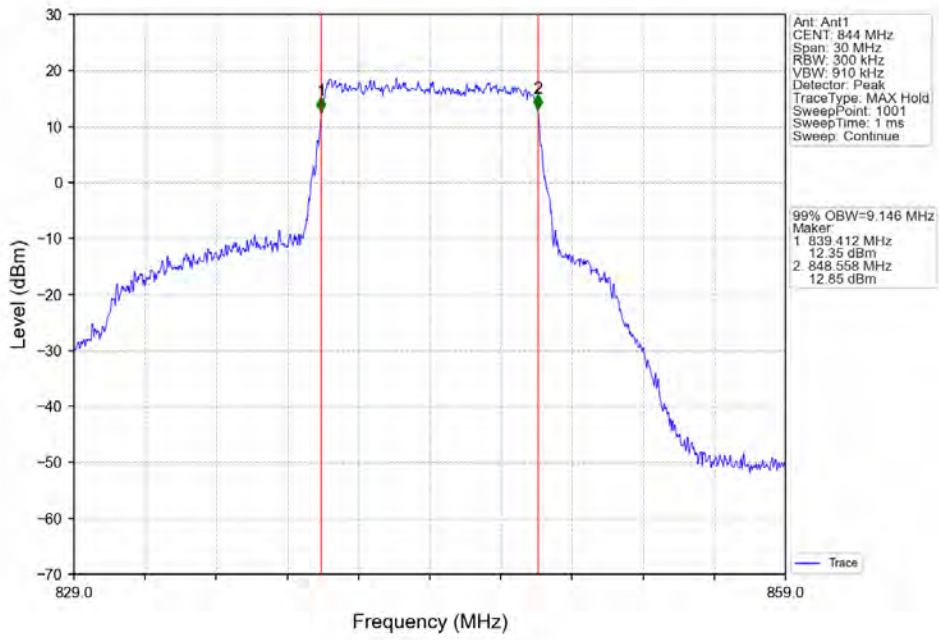
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



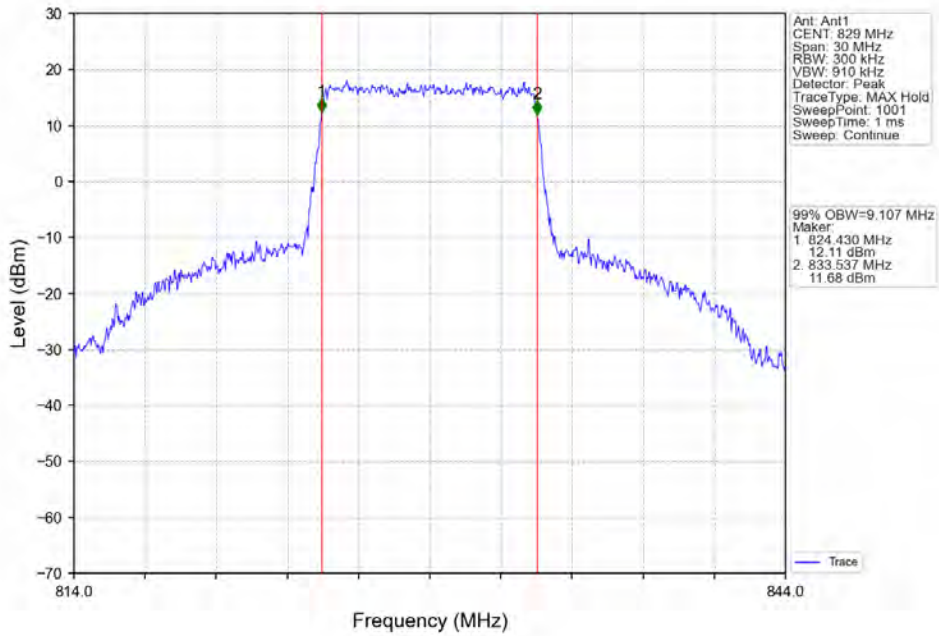
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



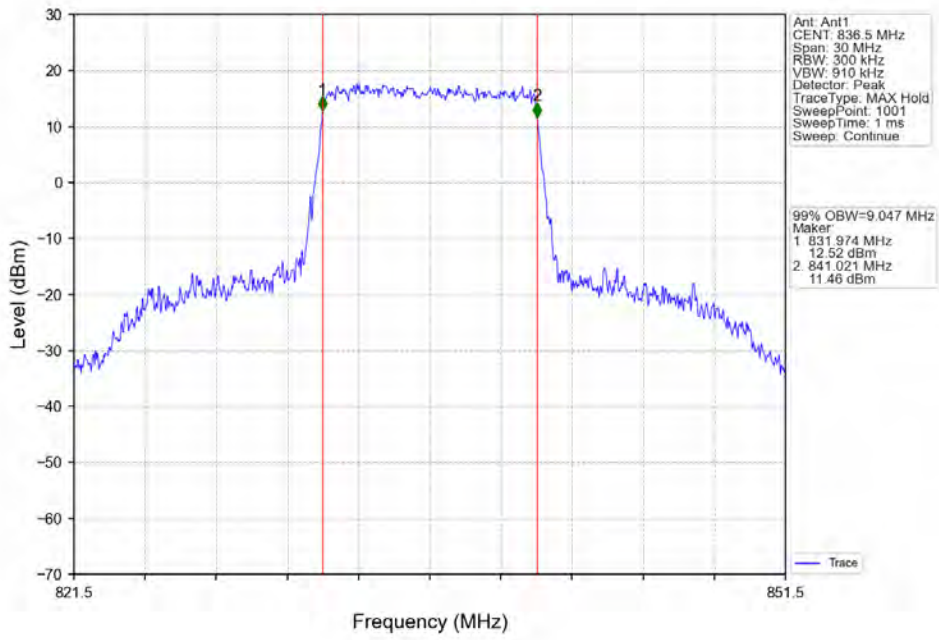
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



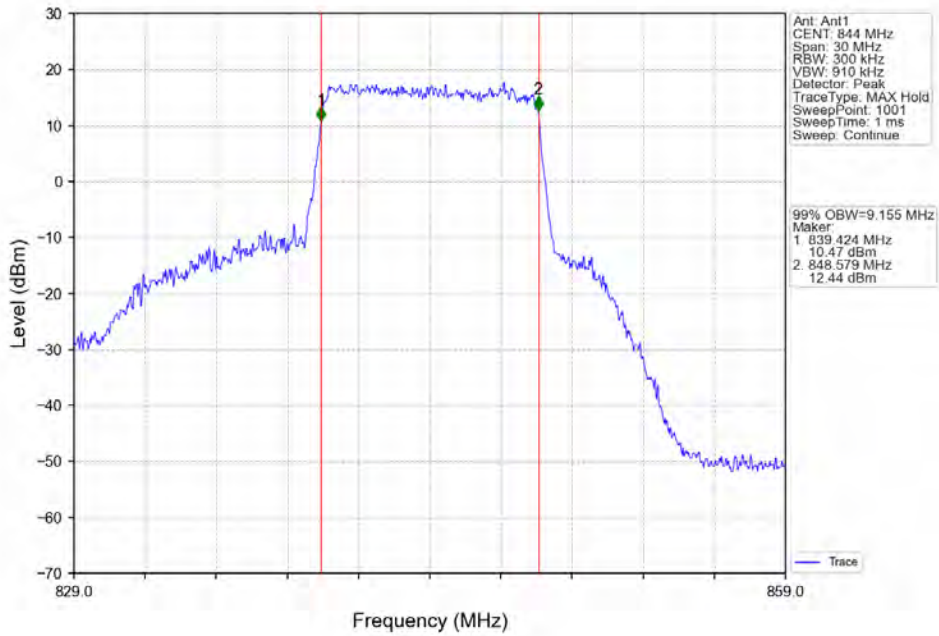
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

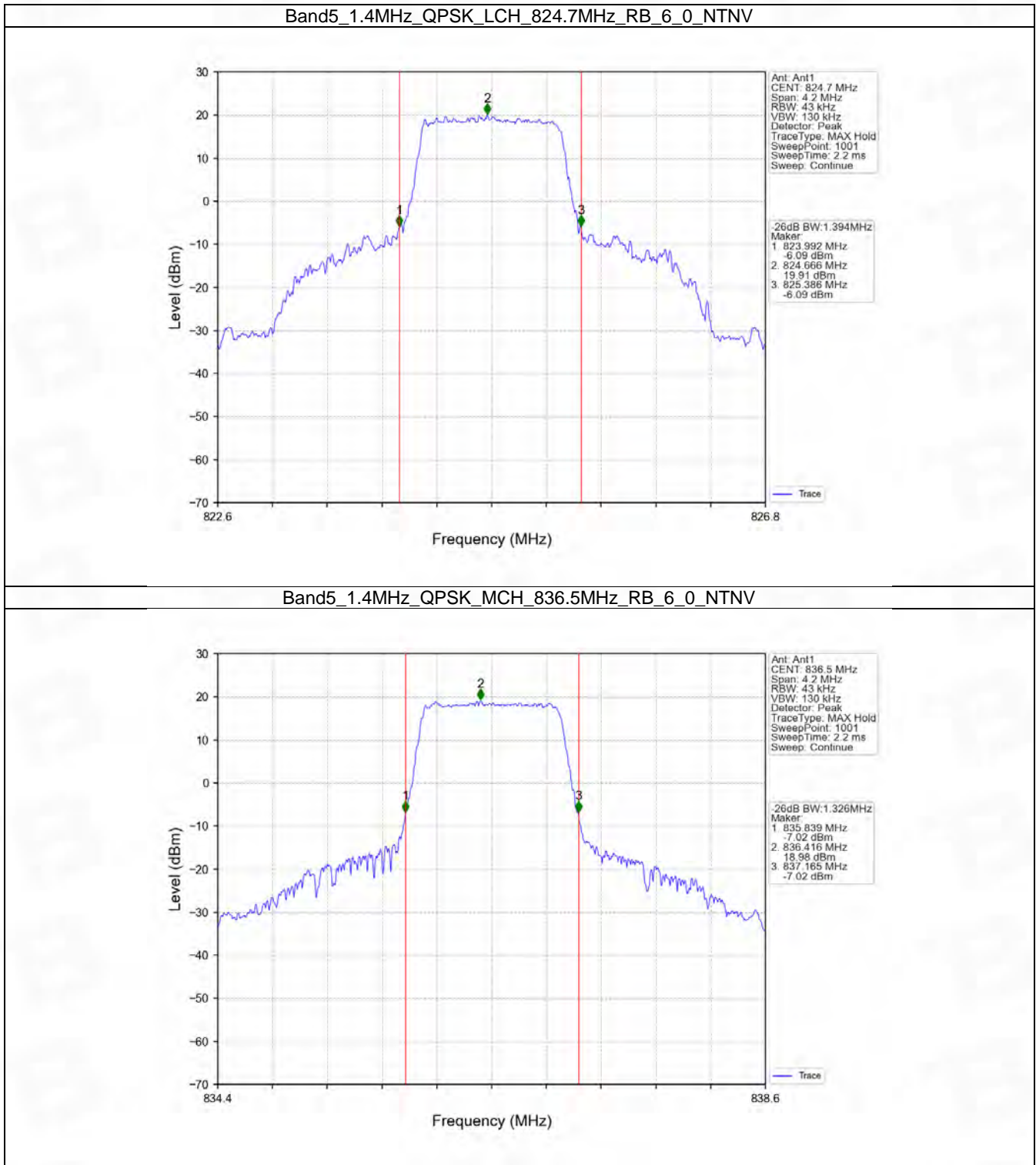


4.2 Band5_XDB

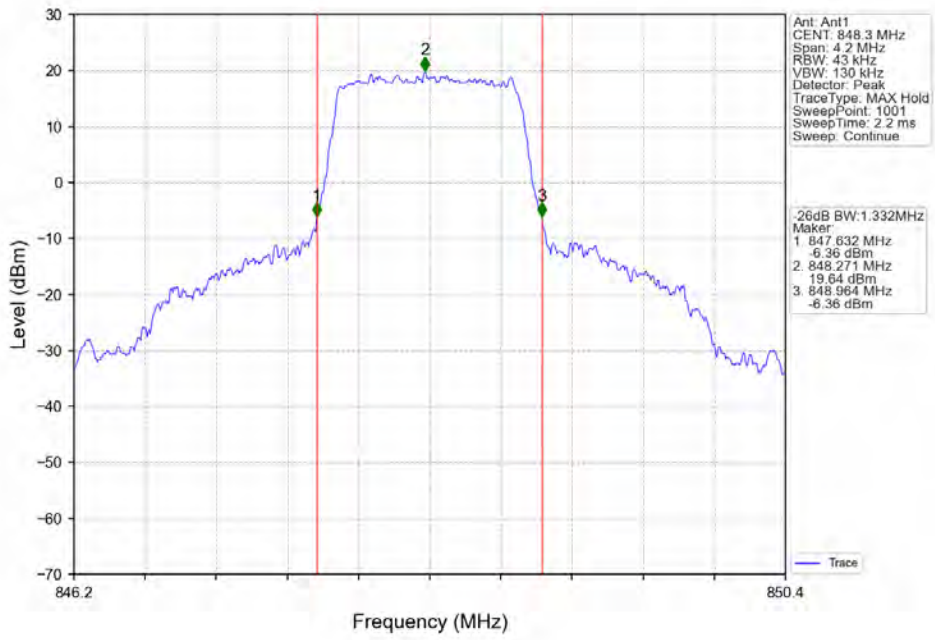
4.2.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.394	Pass
		836.5	6	0	1.326	Pass
		848.3	6	0	1.332	Pass
	16QAM	824.7	6	0	1.309	Pass
		836.5	6	0	1.321	Pass
		848.3	6	0	1.334	Pass
3	QPSK	825.5	15	0	3.006	Pass
		836.5	15	0	3.000	Pass
		847.5	15	0	2.991	Pass
	16QAM	825.5	15	0	3.020	Pass
		836.5	15	0	2.985	Pass
		847.5	15	0	3.015	Pass
5	QPSK	826.5	25	0	5.282	Pass
		836.5	25	0	5.212	Pass
		846.5	25	0	5.285	Pass
	16QAM	826.5	25	0	5.388	Pass
		836.5	25	0	5.254	Pass
		846.5	25	0	5.220	Pass
10	QPSK	829	50	0	10.327	Pass
		836.5	50	0	10.387	Pass
		844	50	0	10.377	Pass
	16QAM	829	50	0	10.234	Pass
		836.5	50	0	10.277	Pass
		844	50	0	10.843	Pass

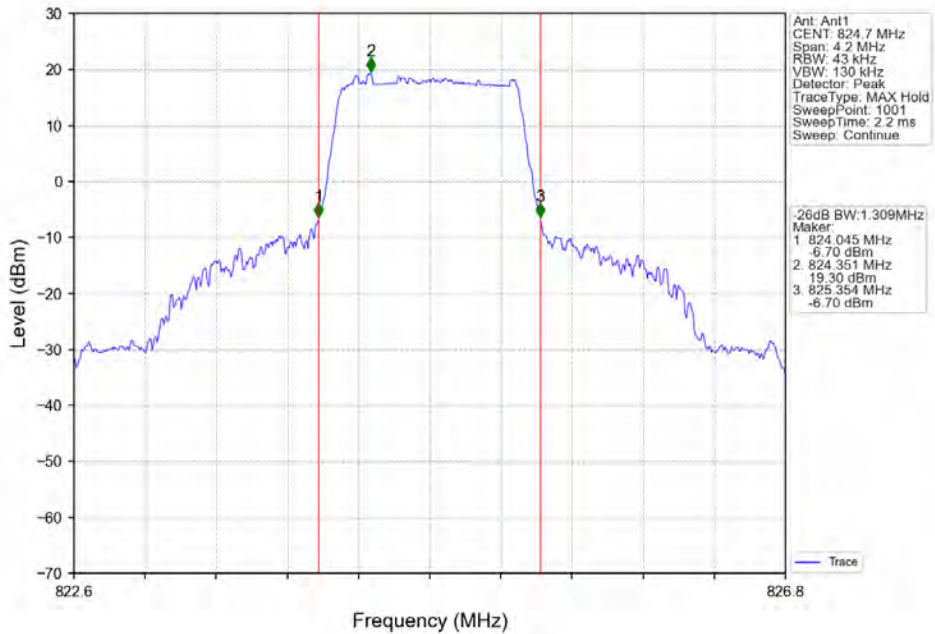
4.2.2 Test Graph



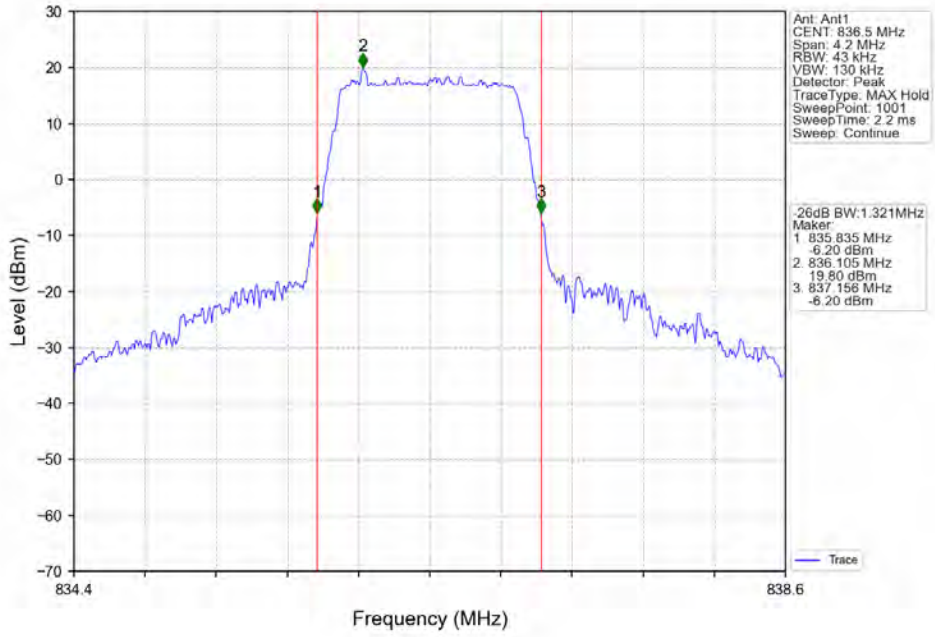
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



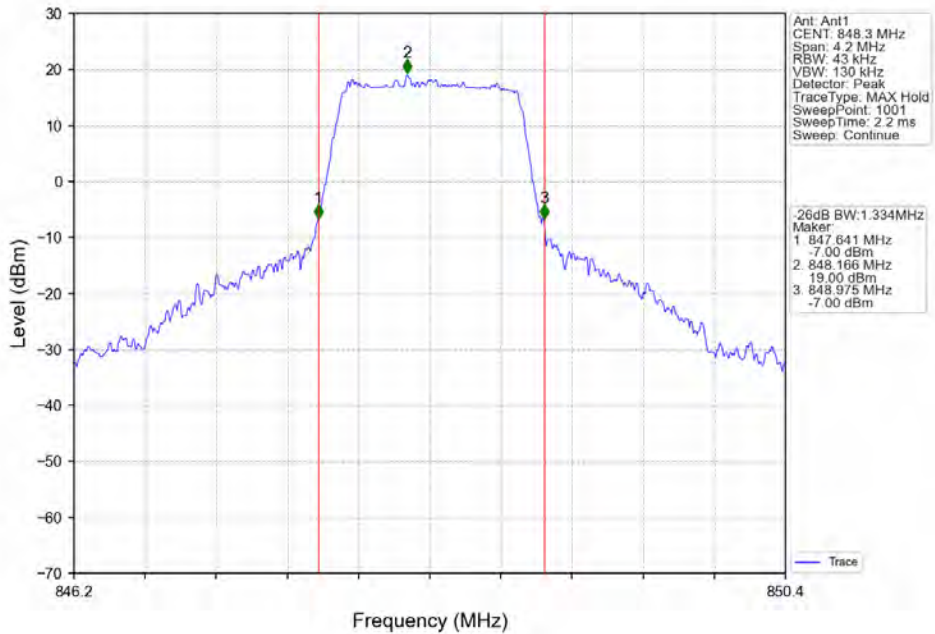
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



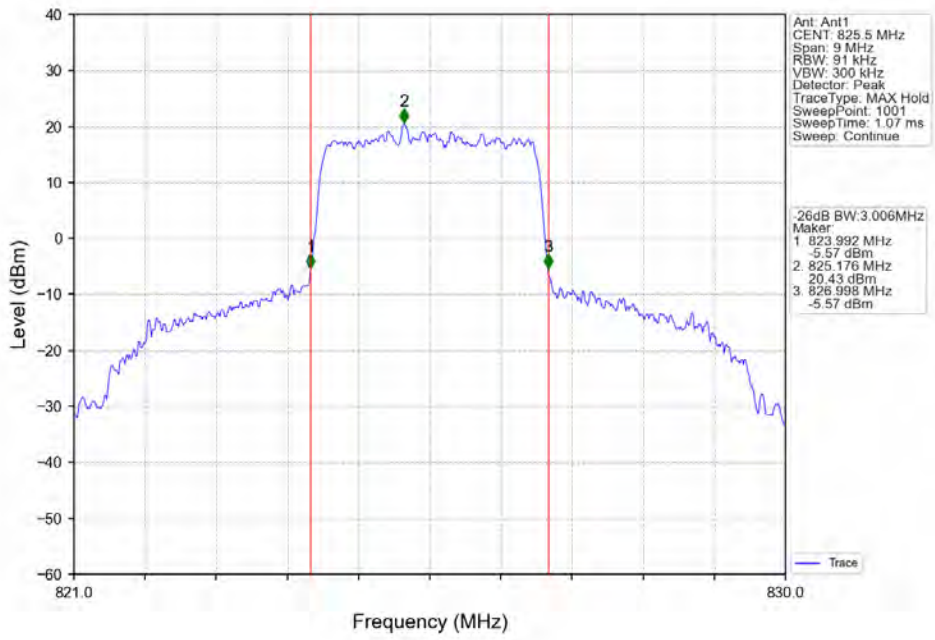
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



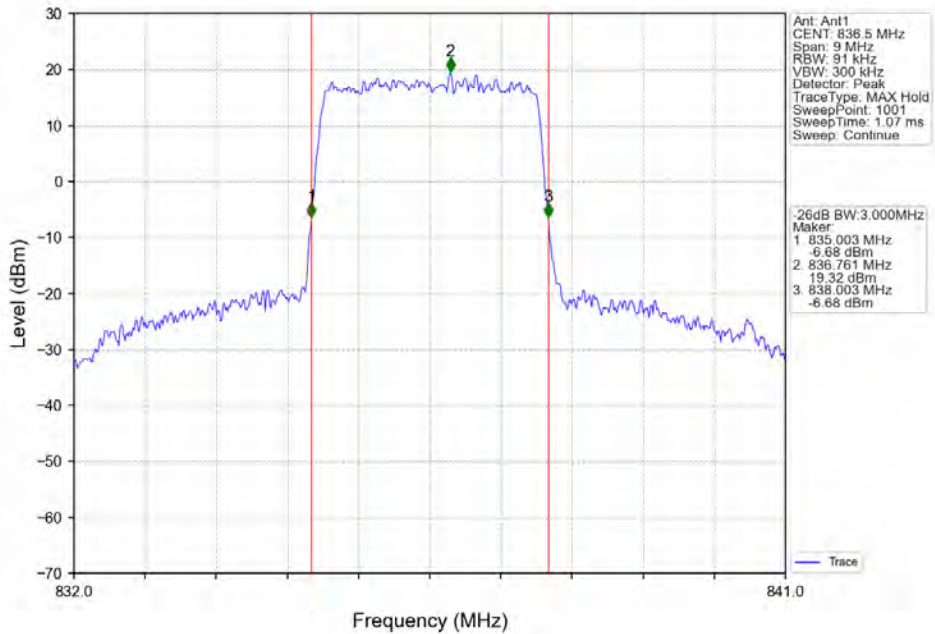
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



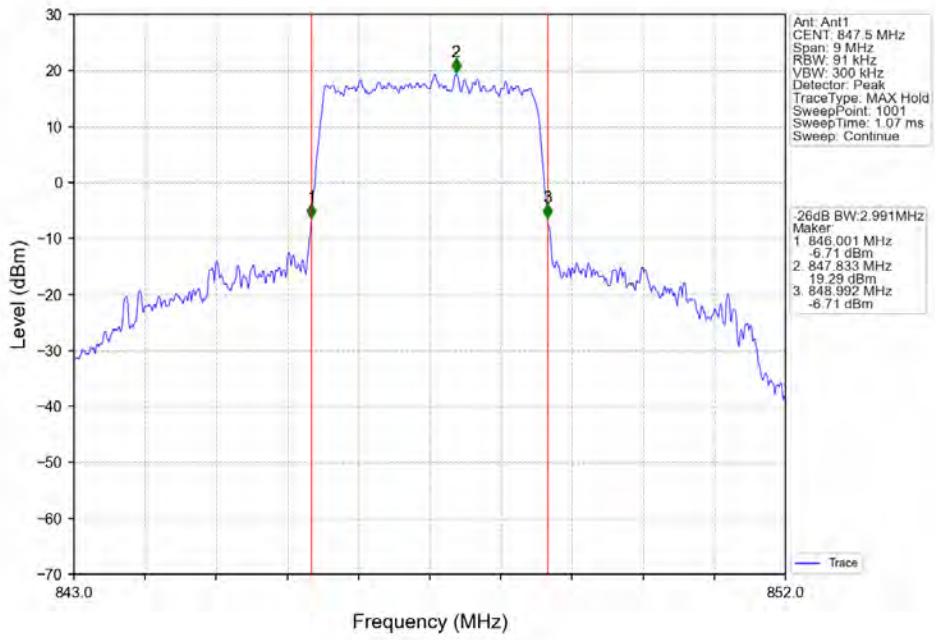
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



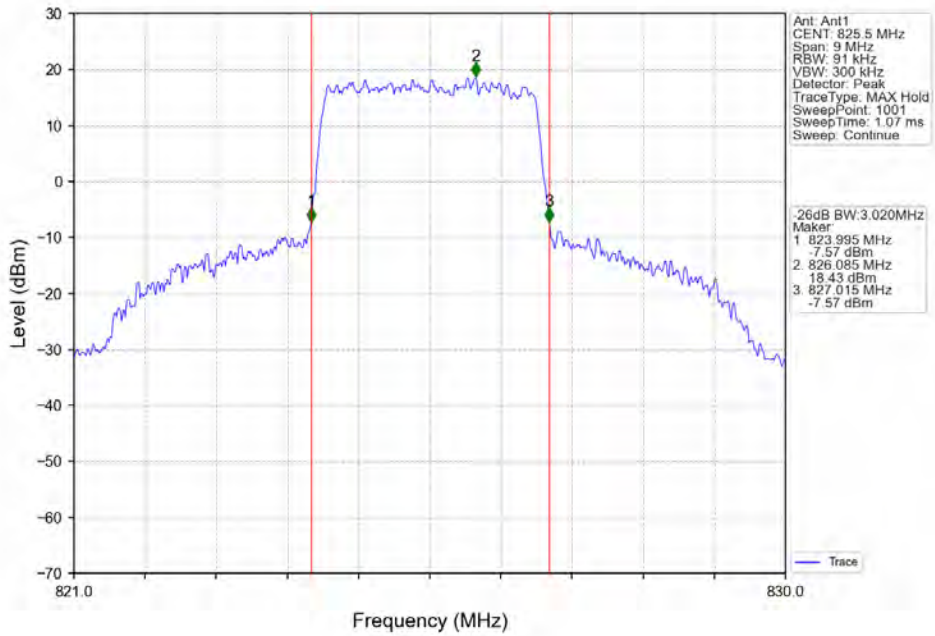
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



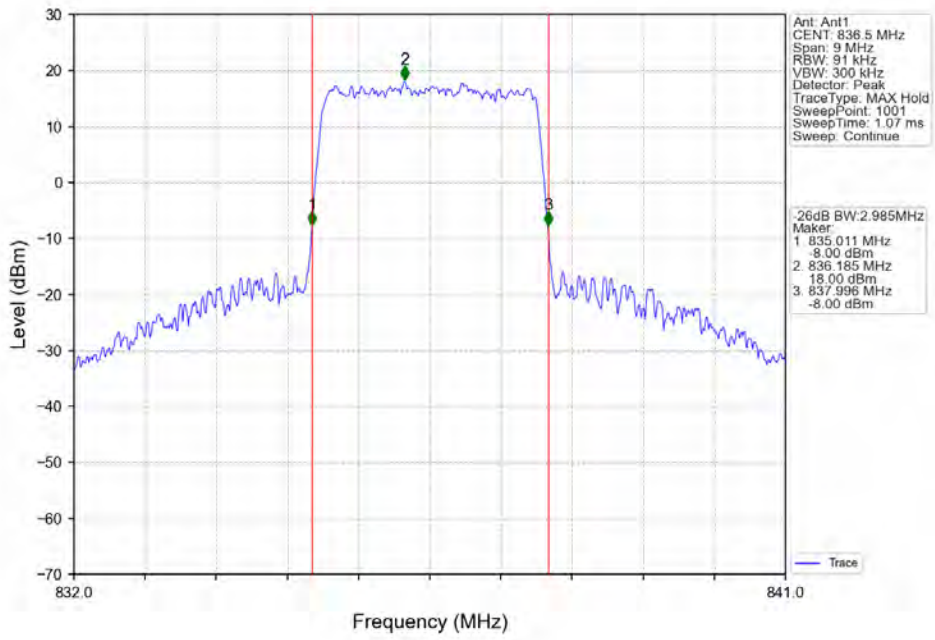
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



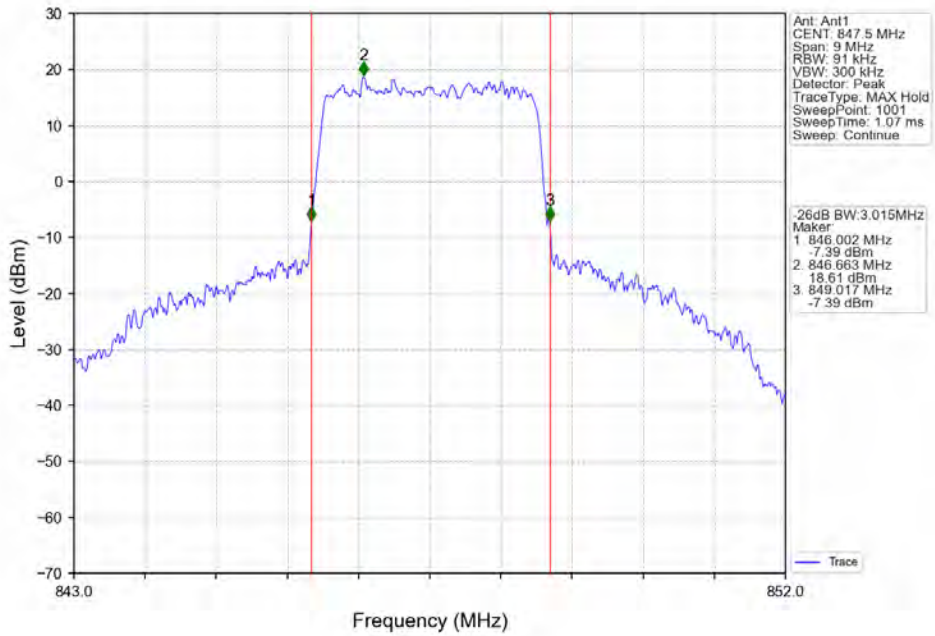
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



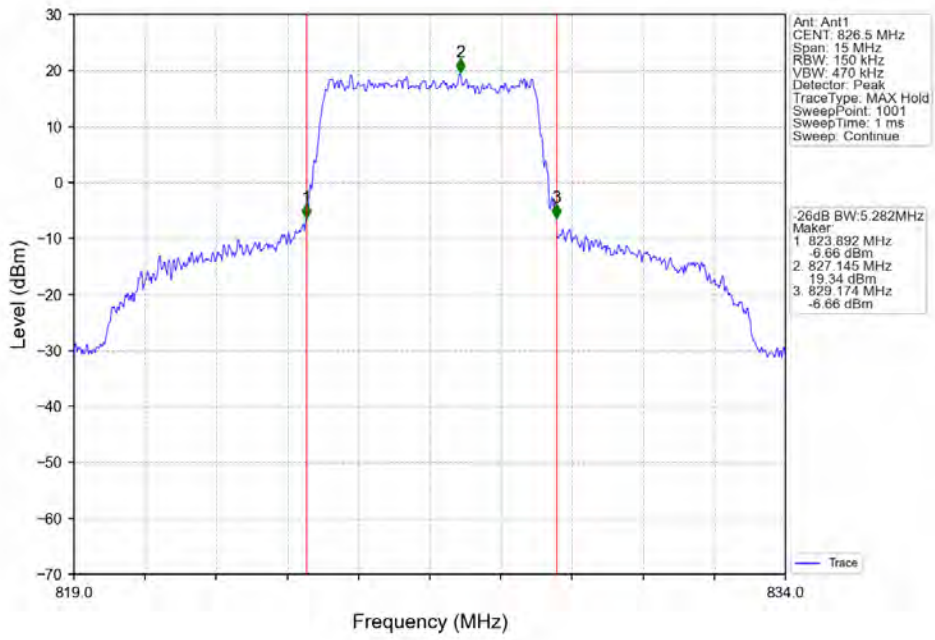
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



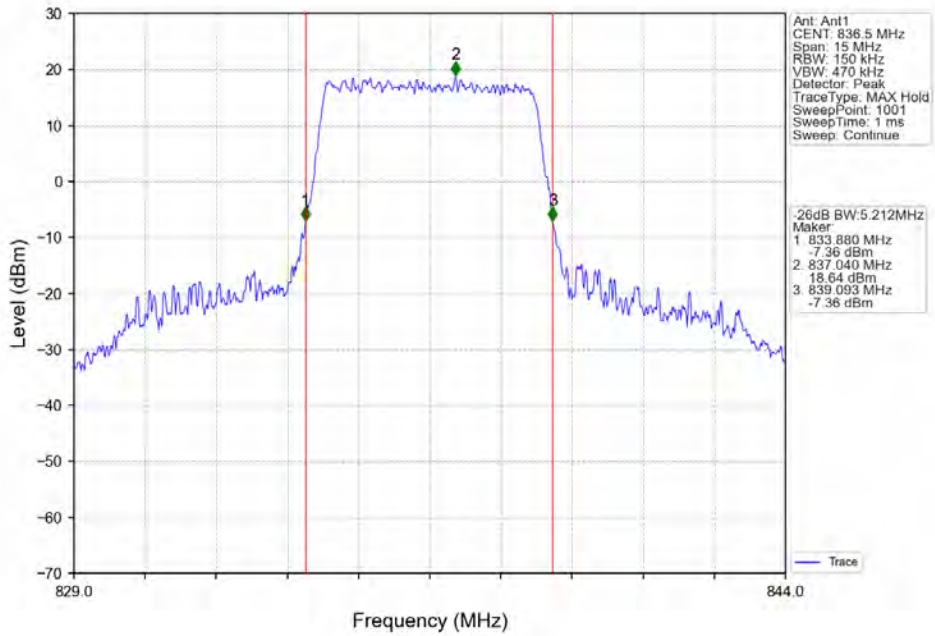
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



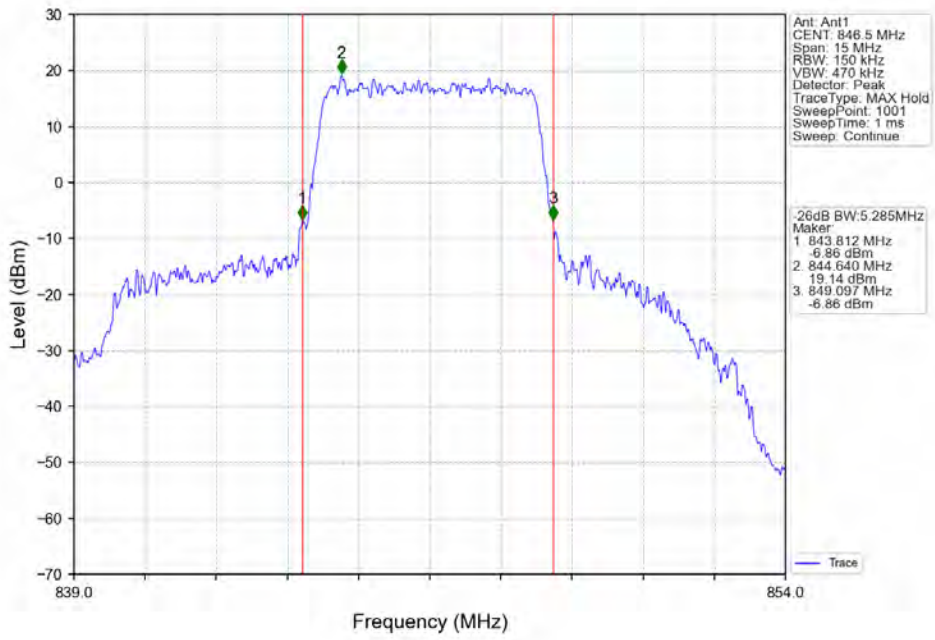
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



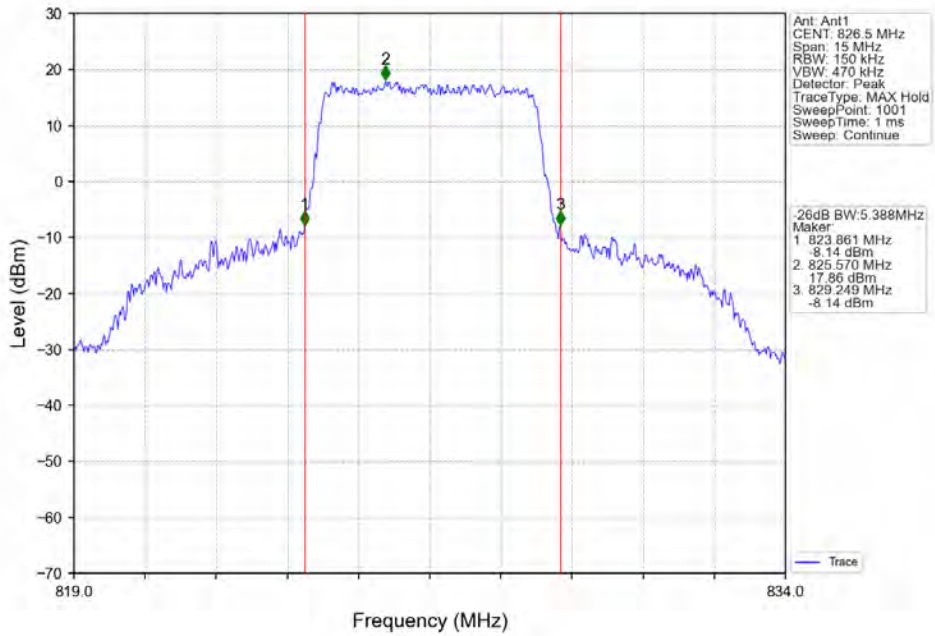
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



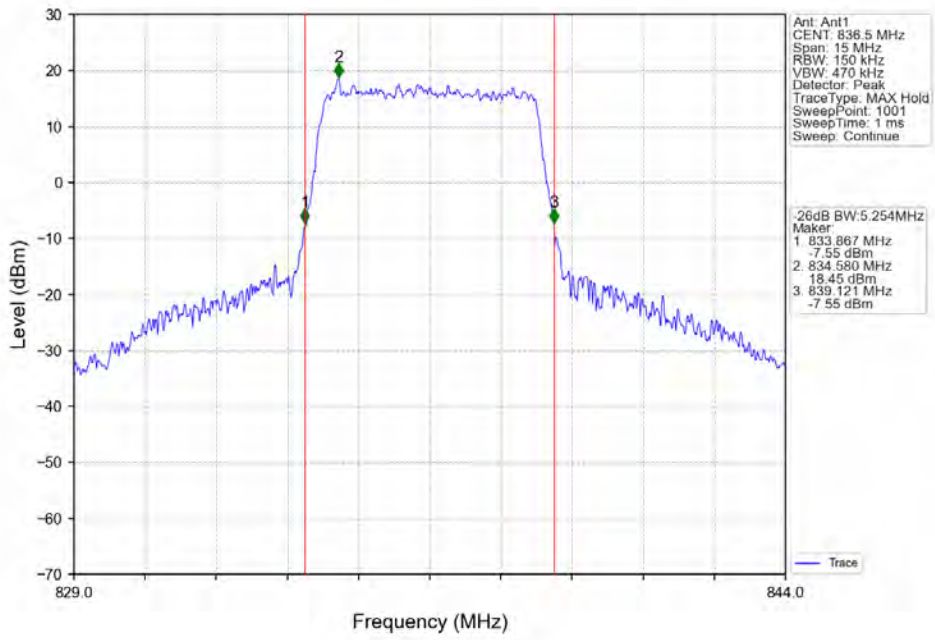
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



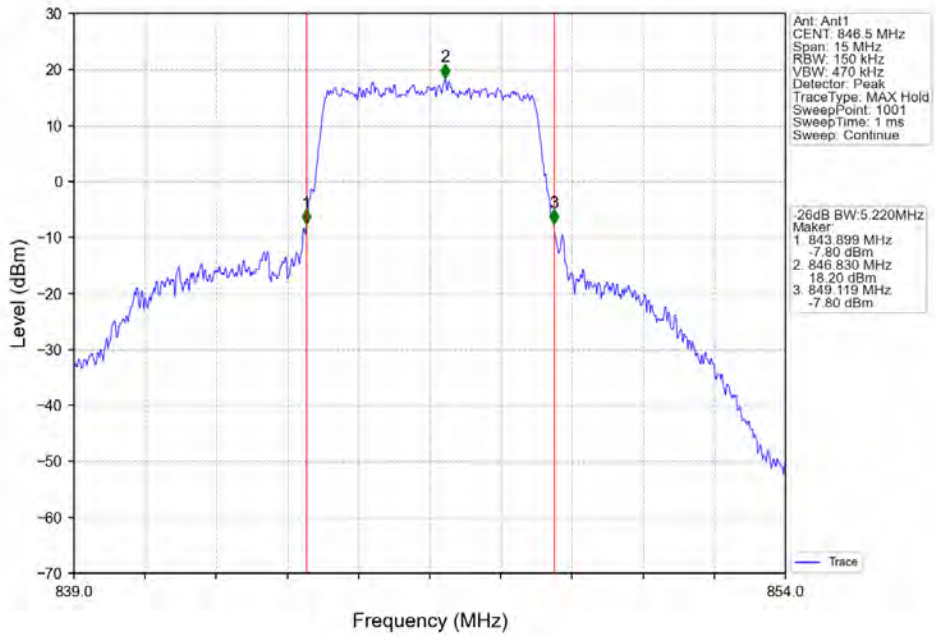
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



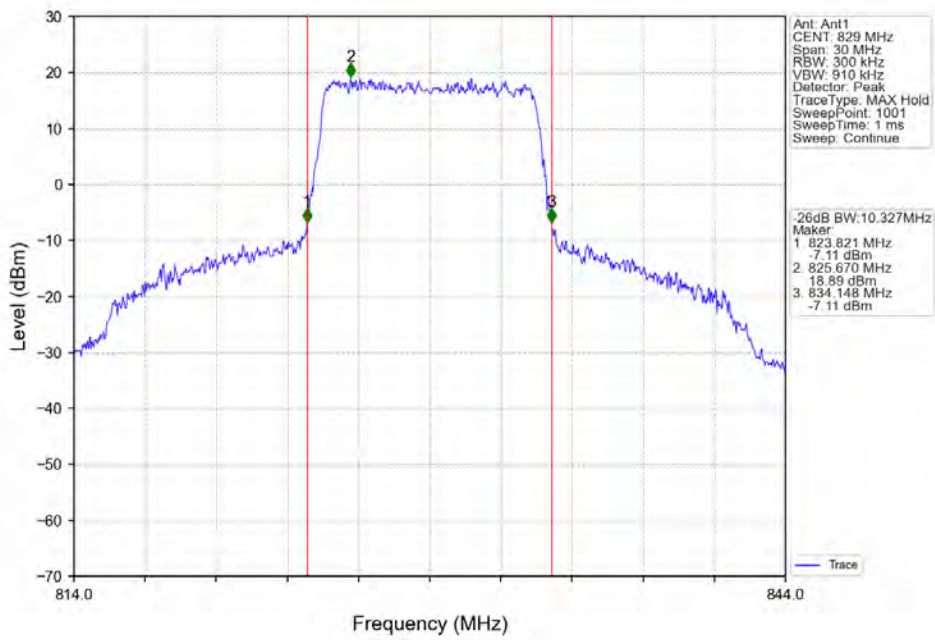
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



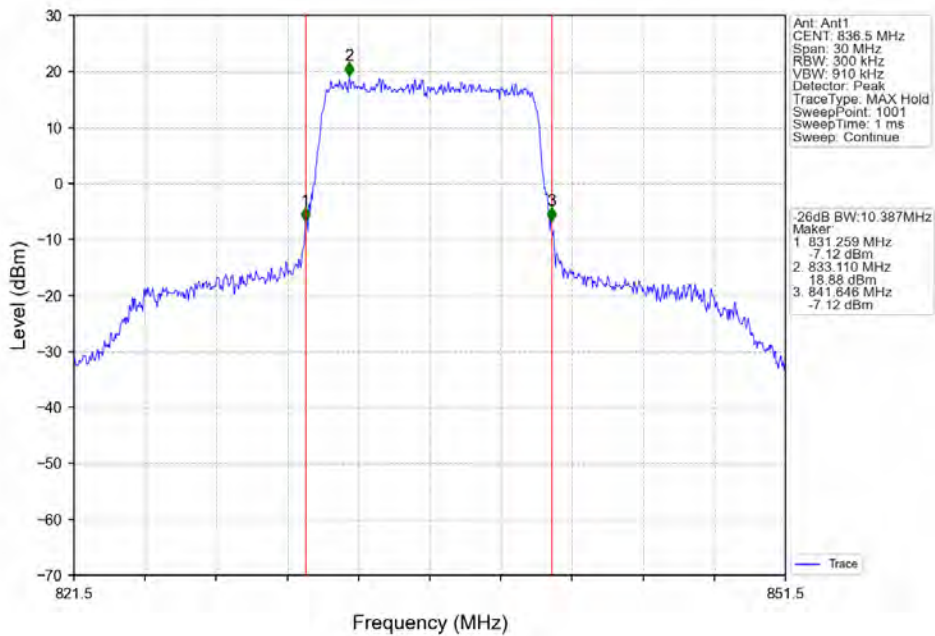
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



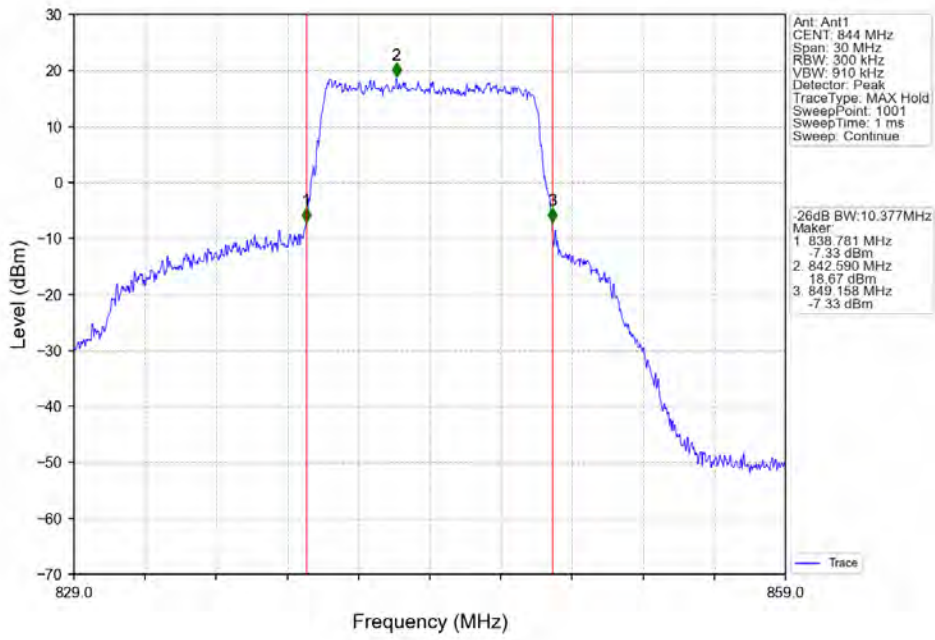
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



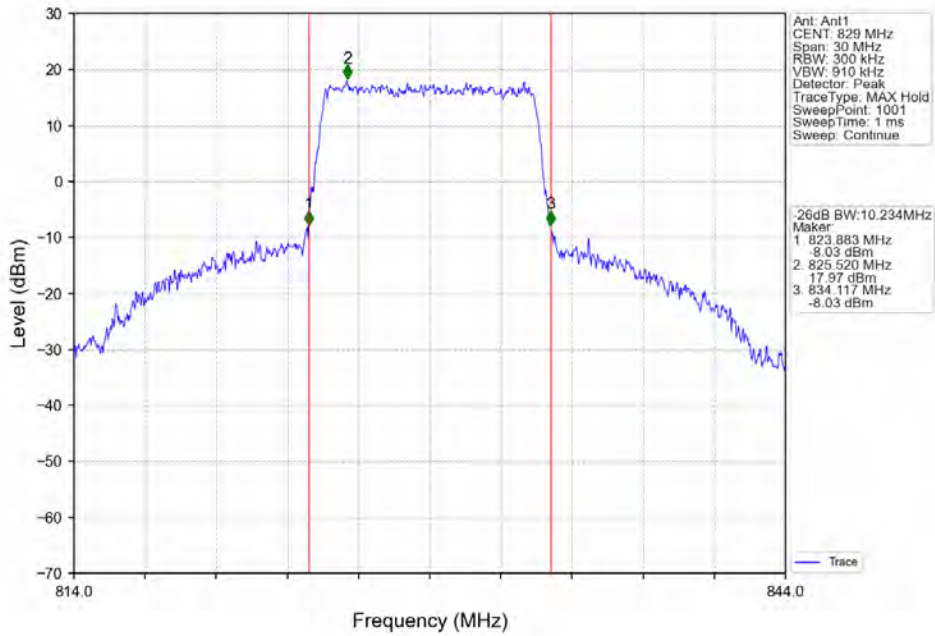
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



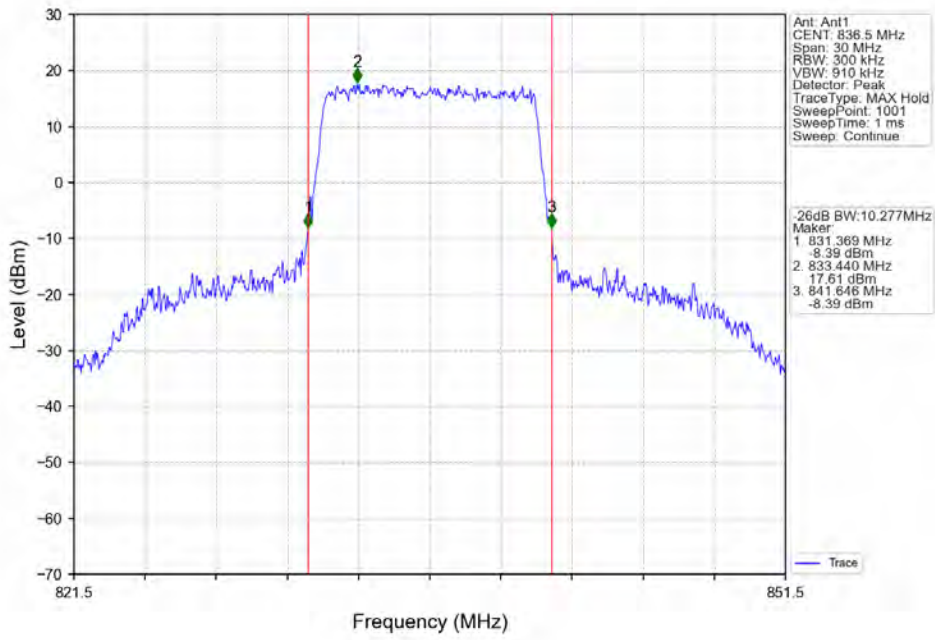
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



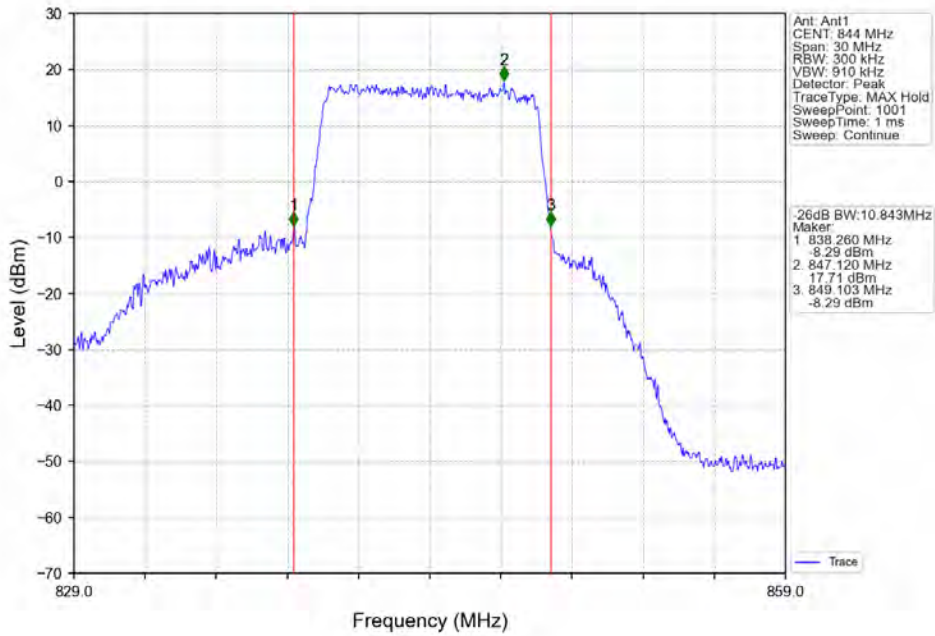
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



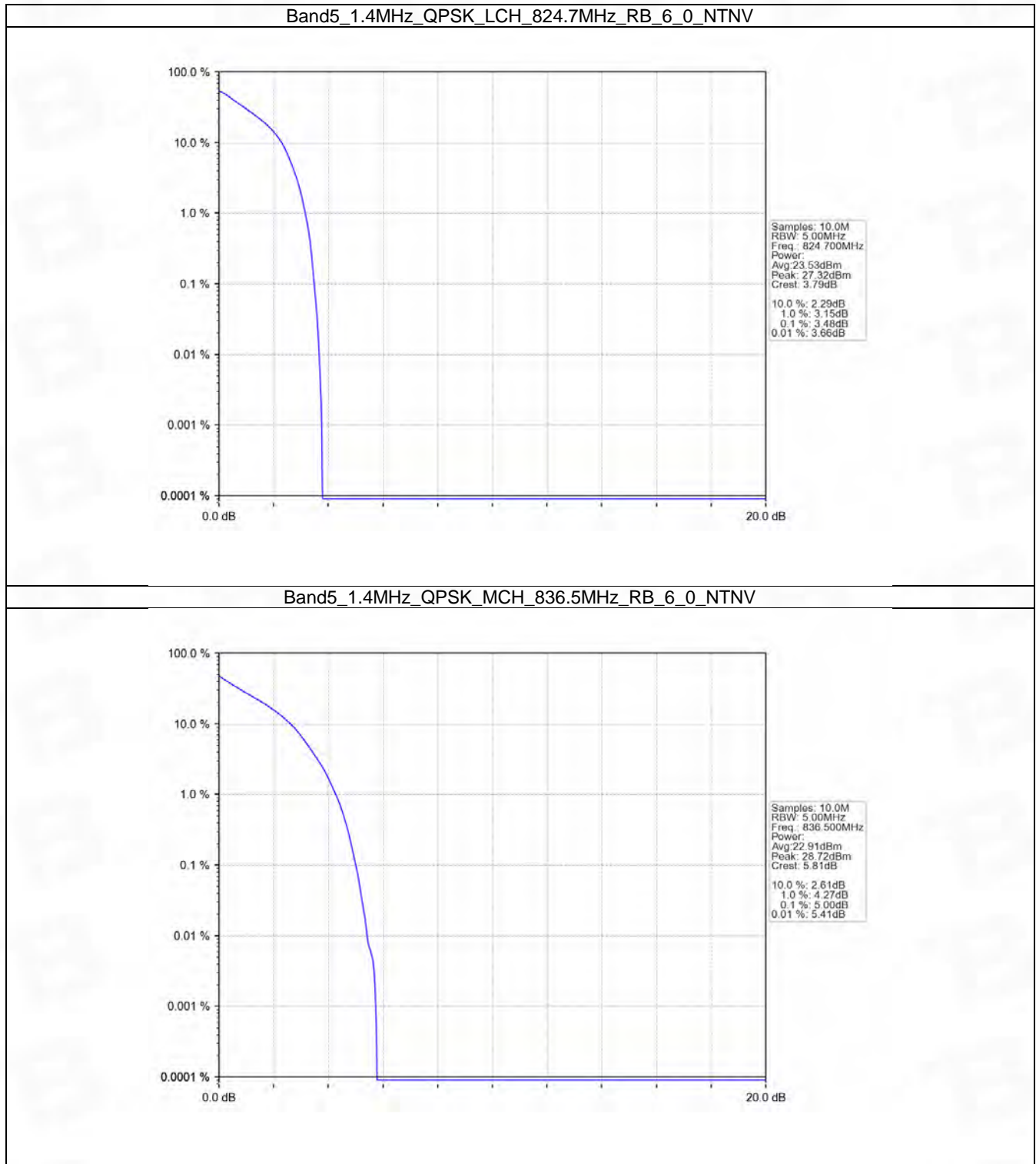
5. Peak-Average Ratio

5.1 B5_1.4MHz

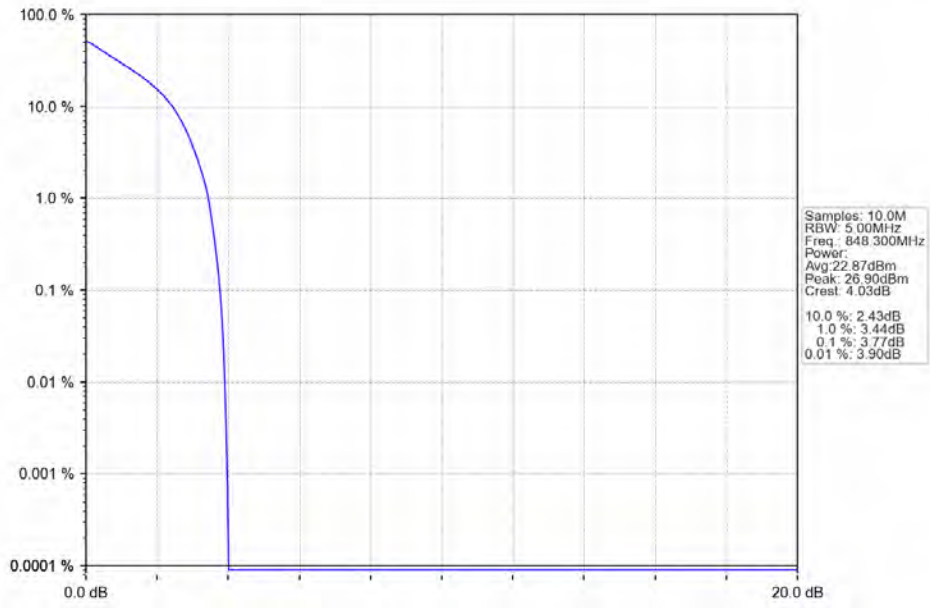
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	3.48	<=13	Pass
	836.5	6	0	5.00	<=13	Pass
	848.3	6	0	3.77	<=13	Pass
16QAM	824.7	6	0	4.40	<=13	Pass
	836.5	6	0	5.79	<=13	Pass
	848.3	6	0	4.81	<=13	Pass

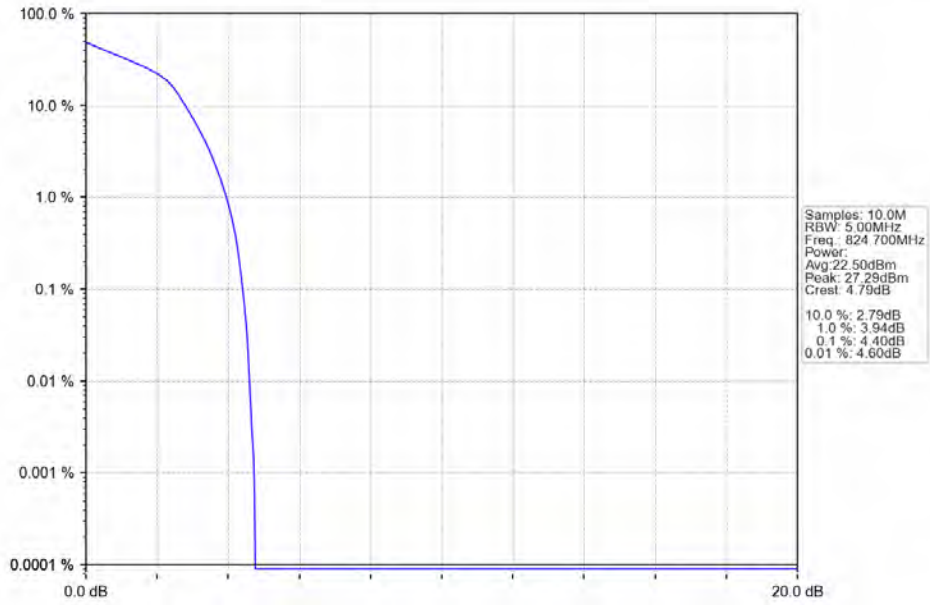
5.1.2 Test Graph



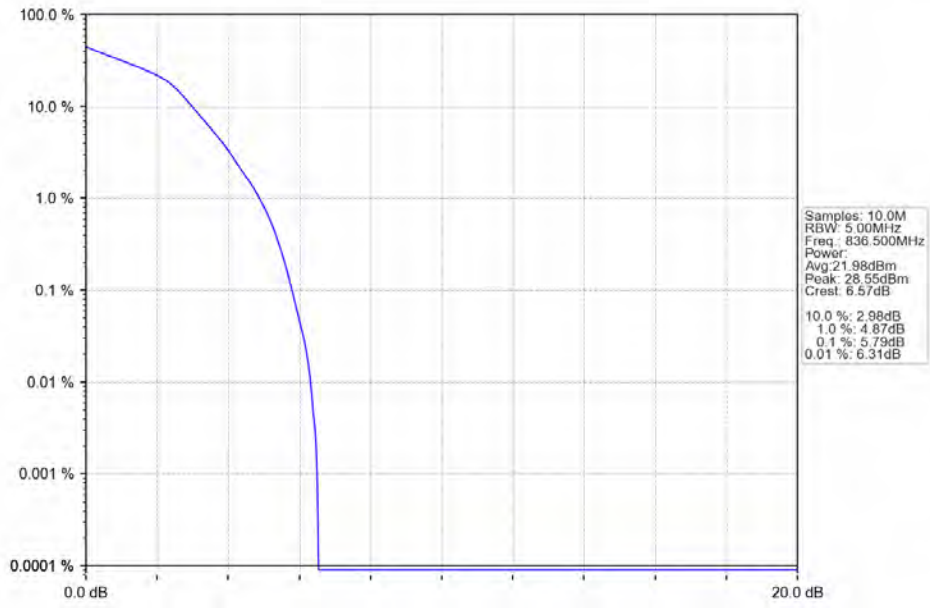
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



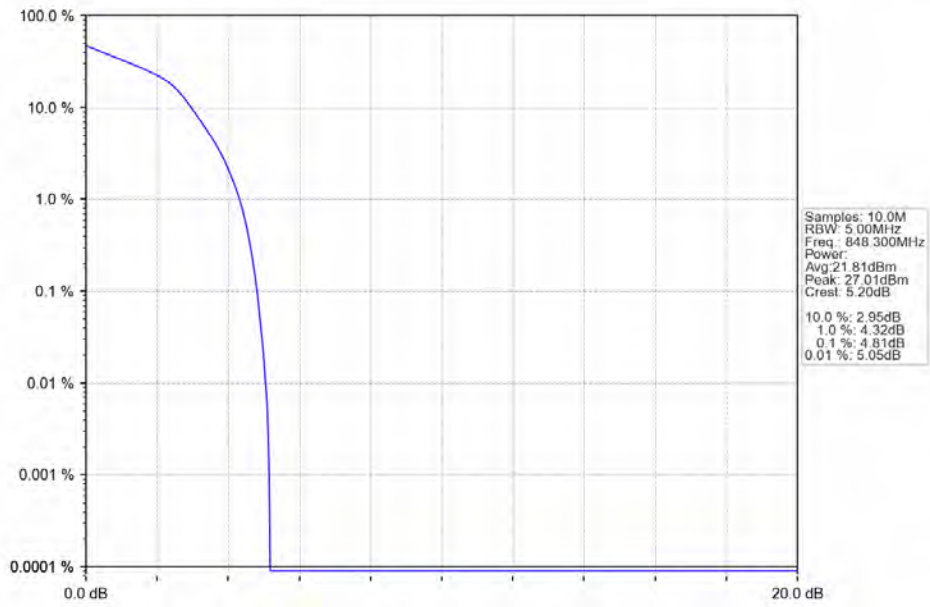
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

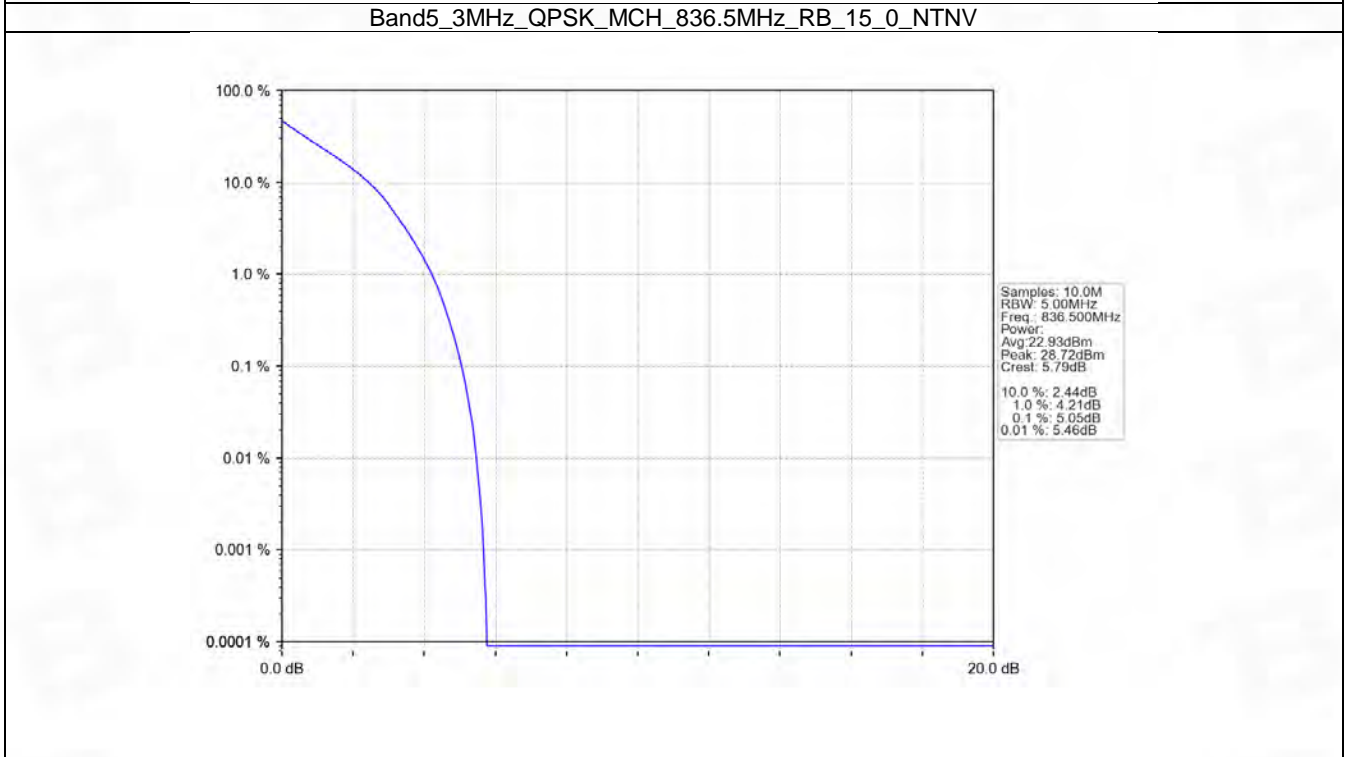
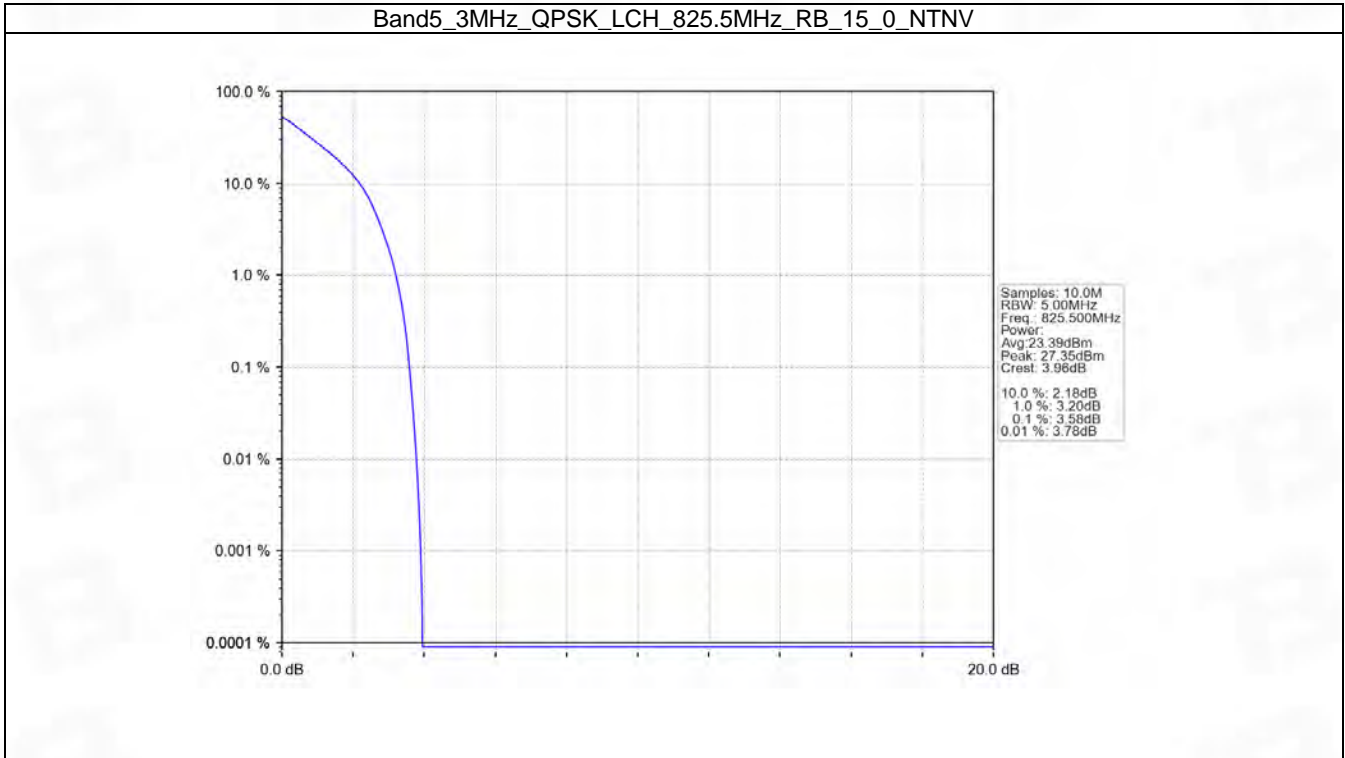


5.2 B5_3MHz

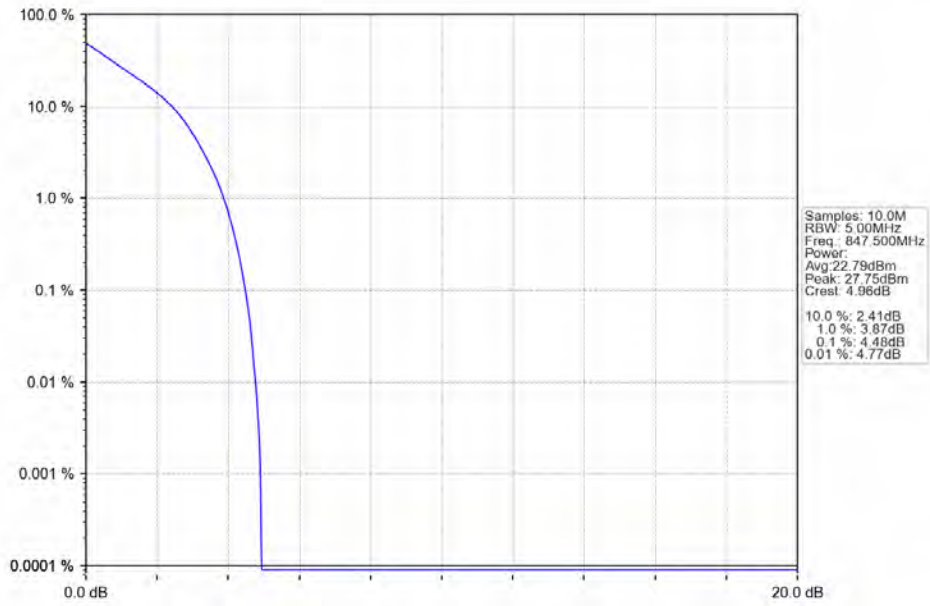
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	3.58	<=13	Pass
	836.5	15	0	5.05	<=13	Pass
	847.5	15	0	4.48	<=13	Pass
16QAM	825.5	15	0	4.44	<=13	Pass
	836.5	15	0	5.88	<=13	Pass
	847.5	15	0	5.38	<=13	Pass

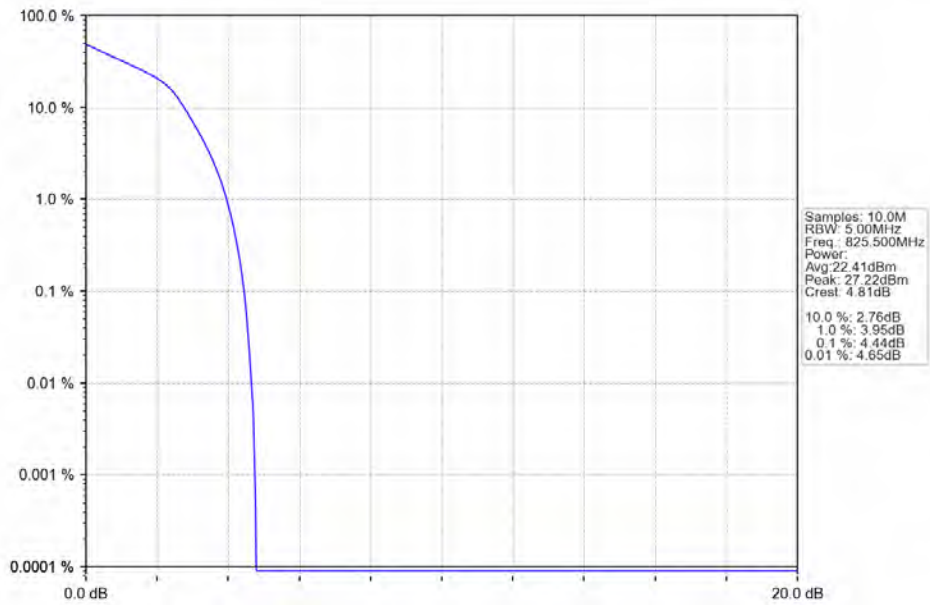
5.2.2 Test Graph



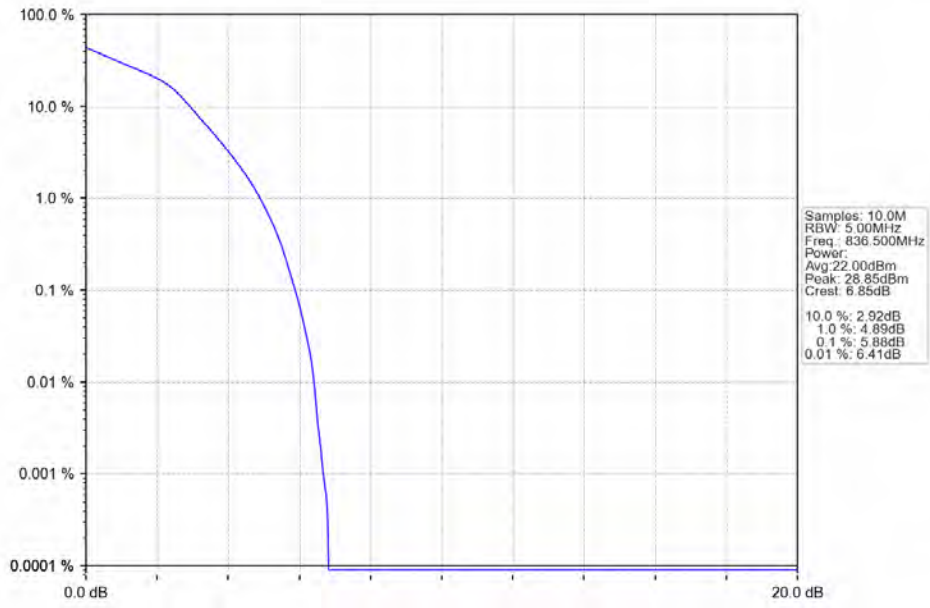
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



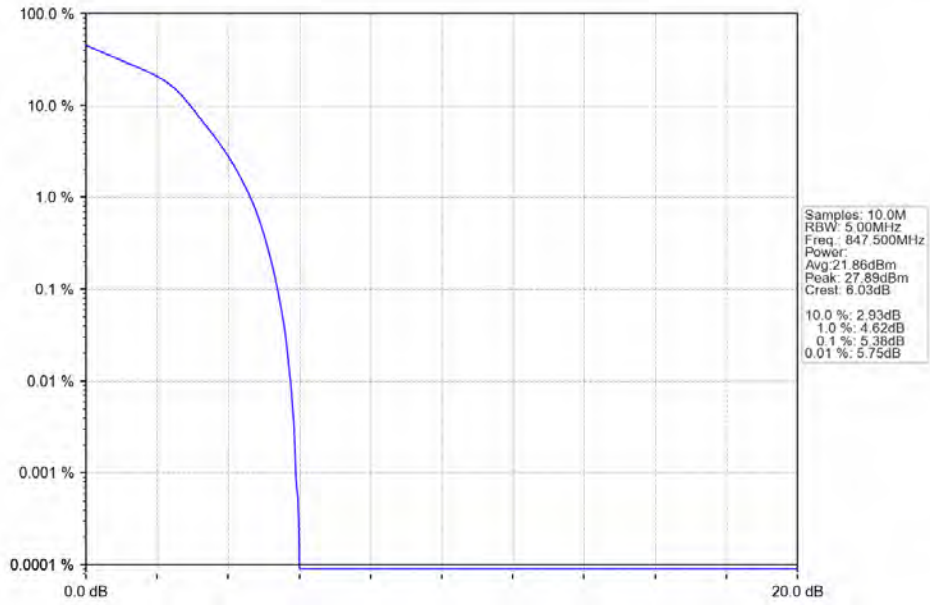
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

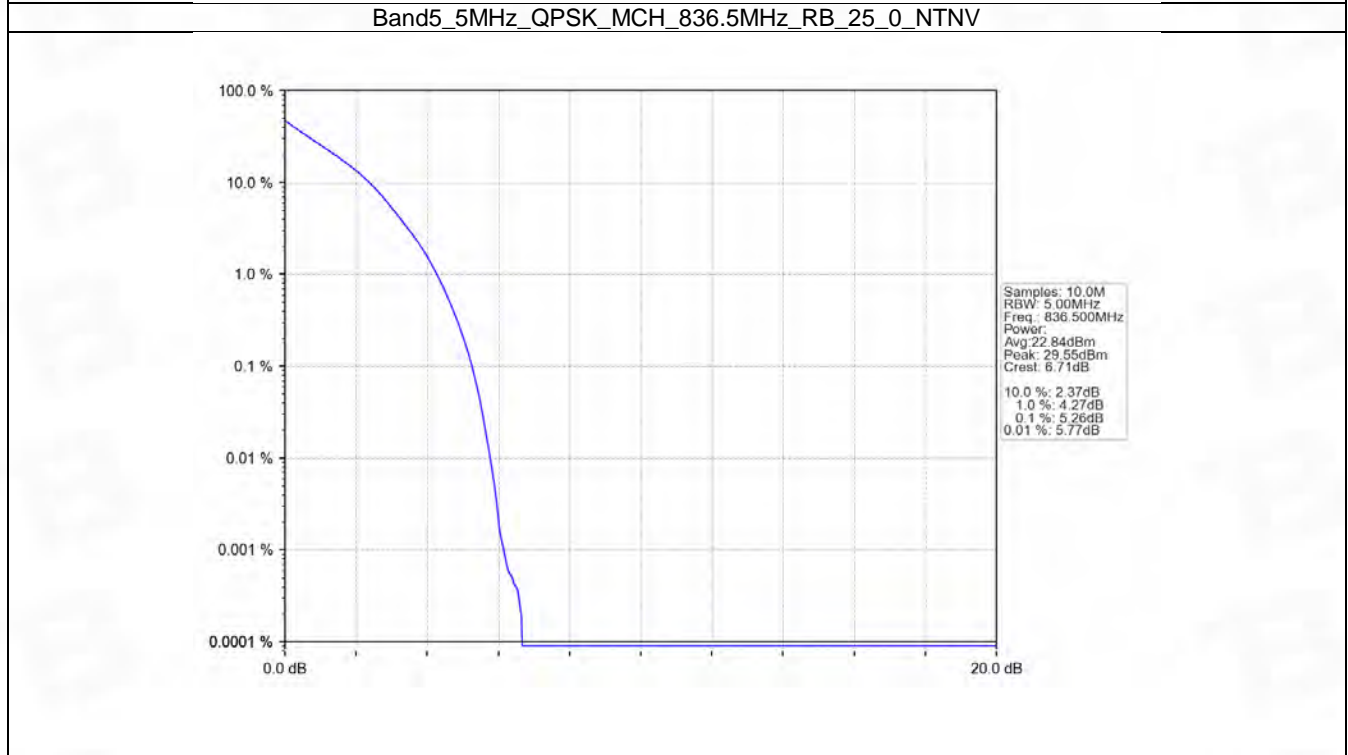
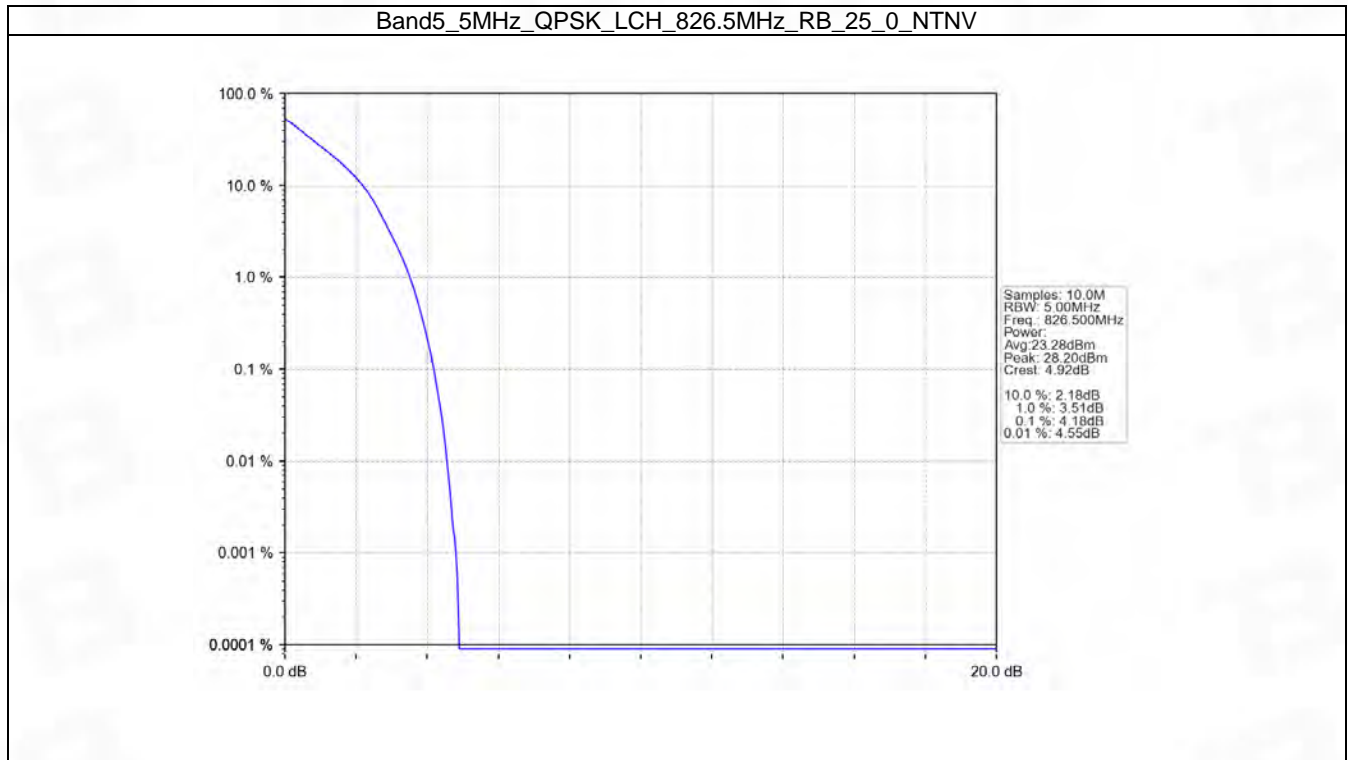


5.3 B5_5MHz

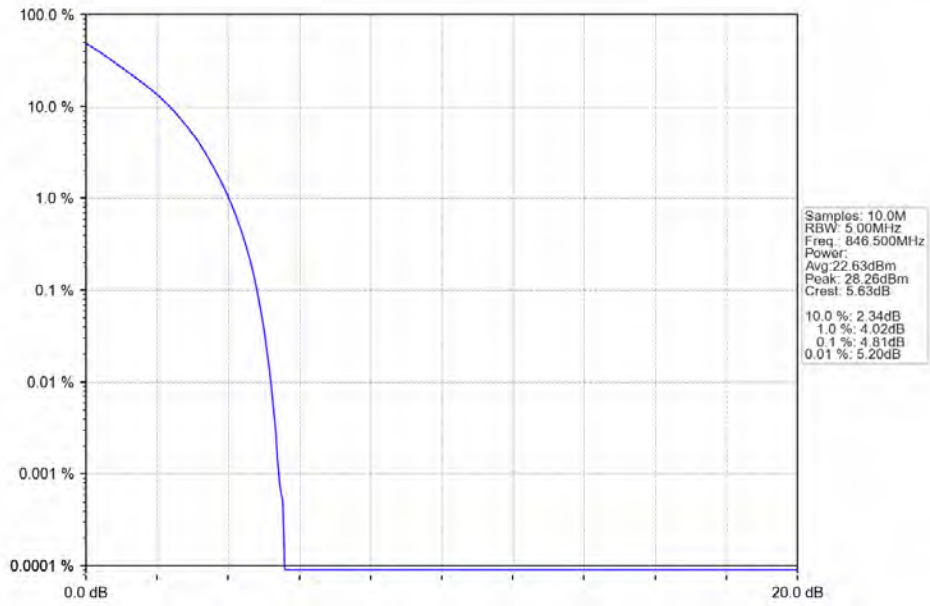
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.18	<=13	Pass
	836.5	25	0	5.26	<=13	Pass
	846.5	25	0	4.81	<=13	Pass
16QAM	826.5	25	0	4.92	<=13	Pass
	836.5	25	0	5.99	<=13	Pass
	846.5	25	0	5.59	<=13	Pass

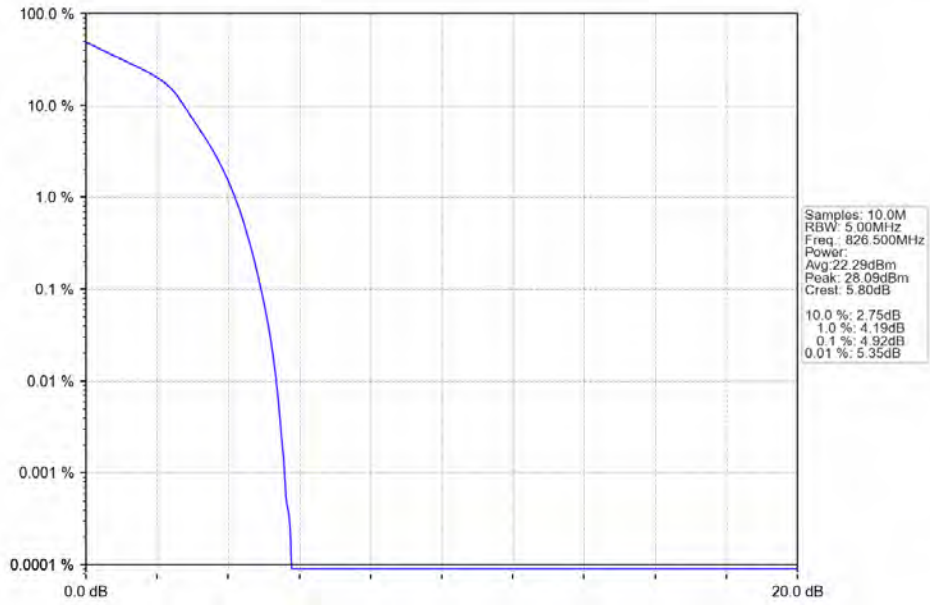
5.3.2 Test Graph



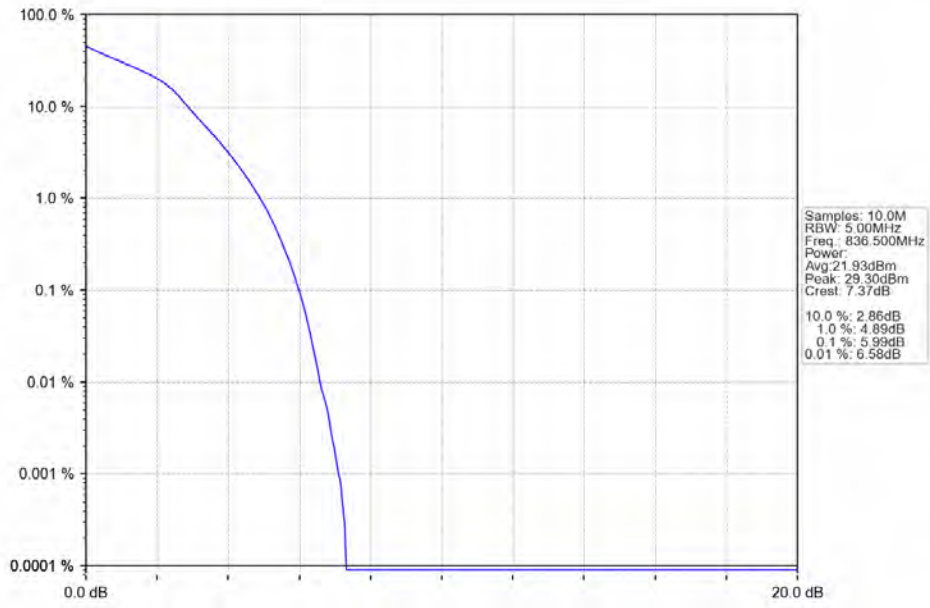
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



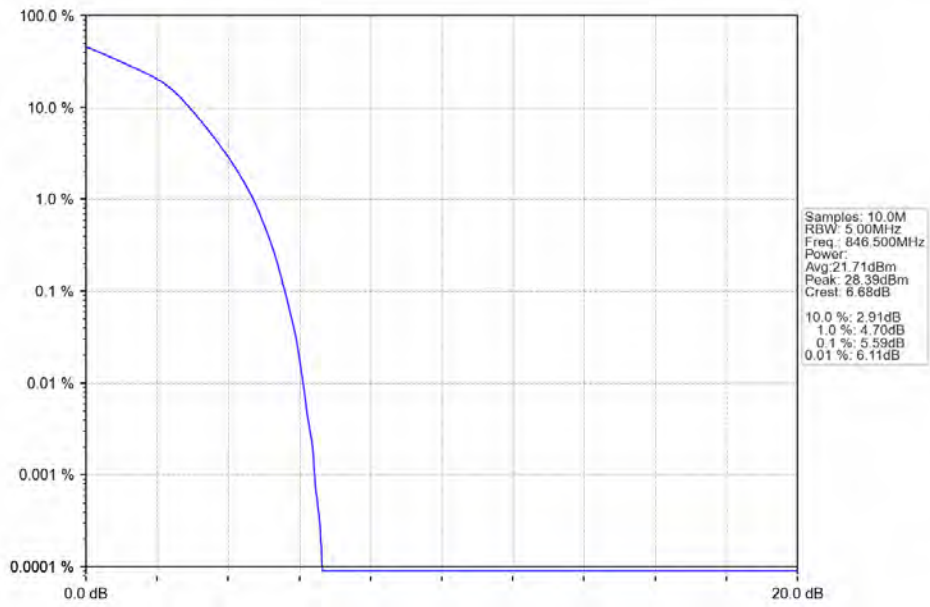
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

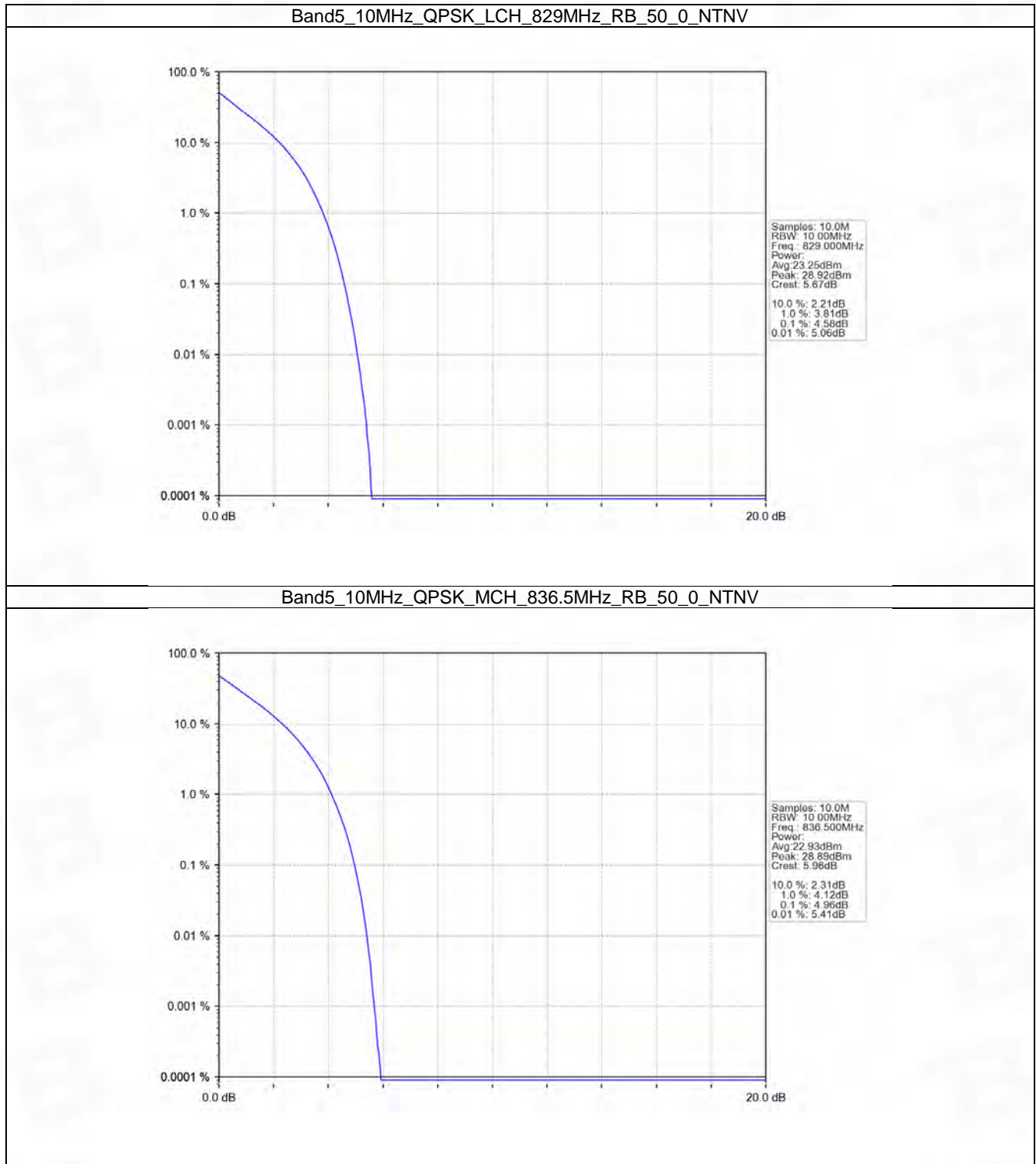


5.4 B5_10MHz

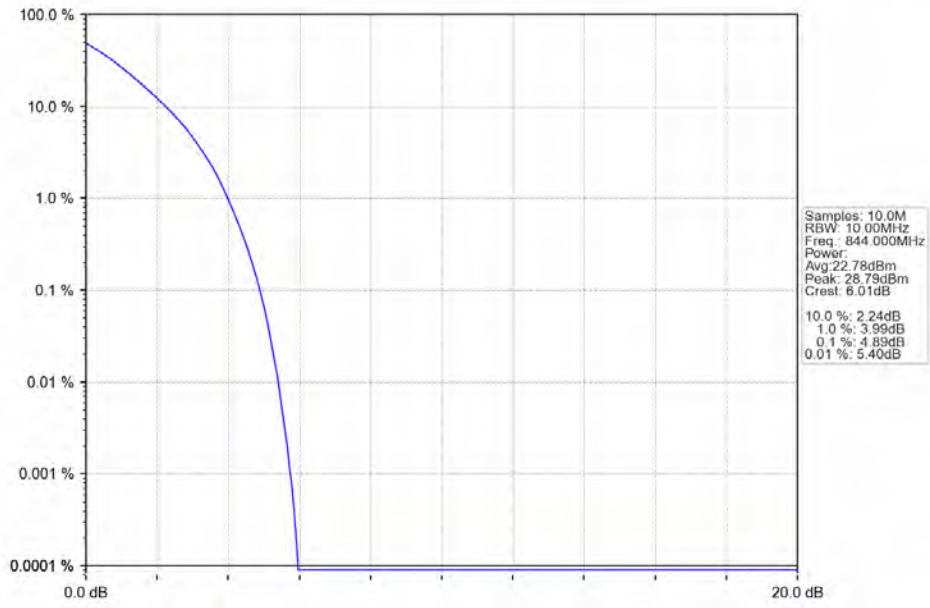
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.58	<=13	Pass
	836.5	50	0	4.96	<=13	Pass
	844	50	0	4.89	<=13	Pass
16QAM	829	50	0	5.30	<=13	Pass
	836.5	50	0	5.78	<=13	Pass
	844	50	0	5.55	<=13	Pass

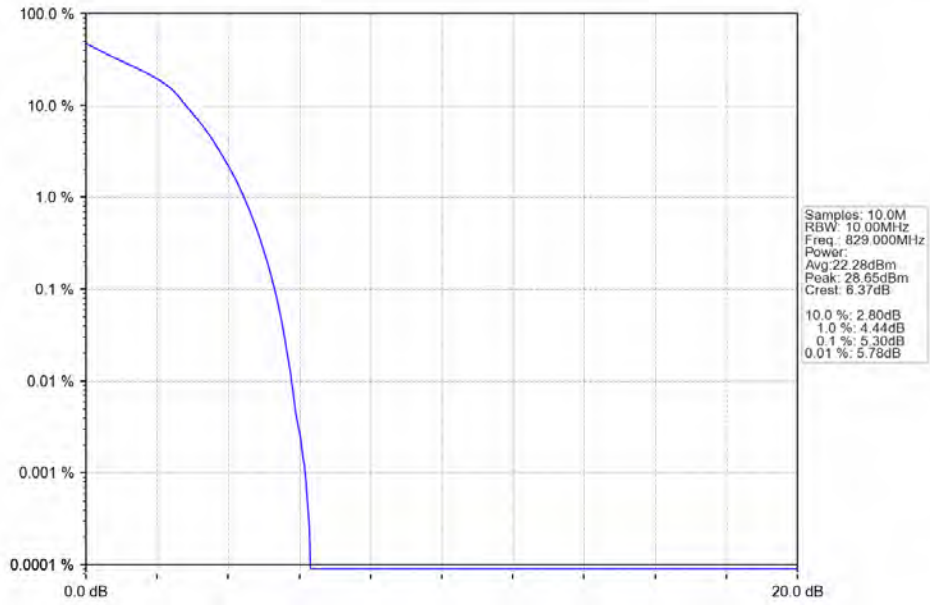
5.4.2 Test Graph



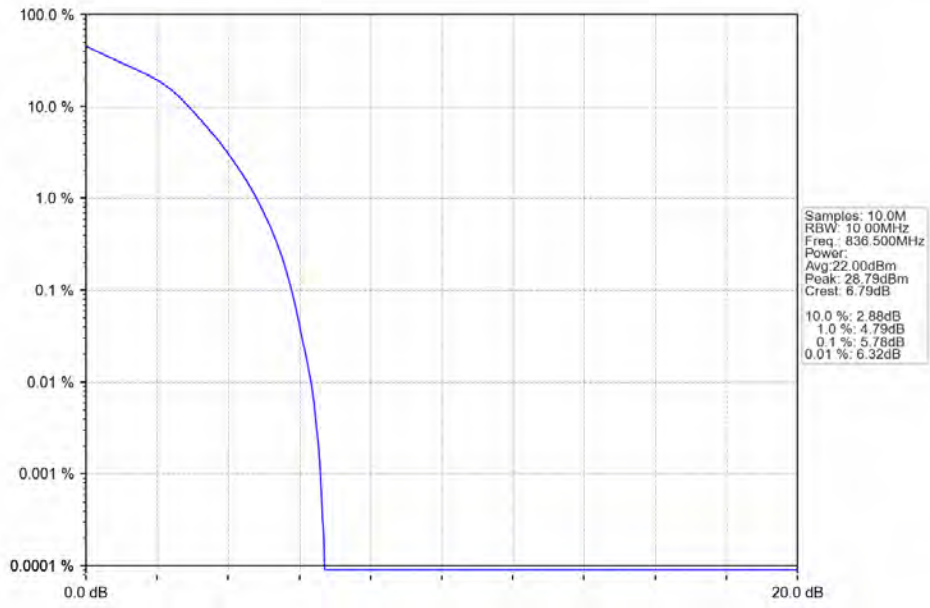
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



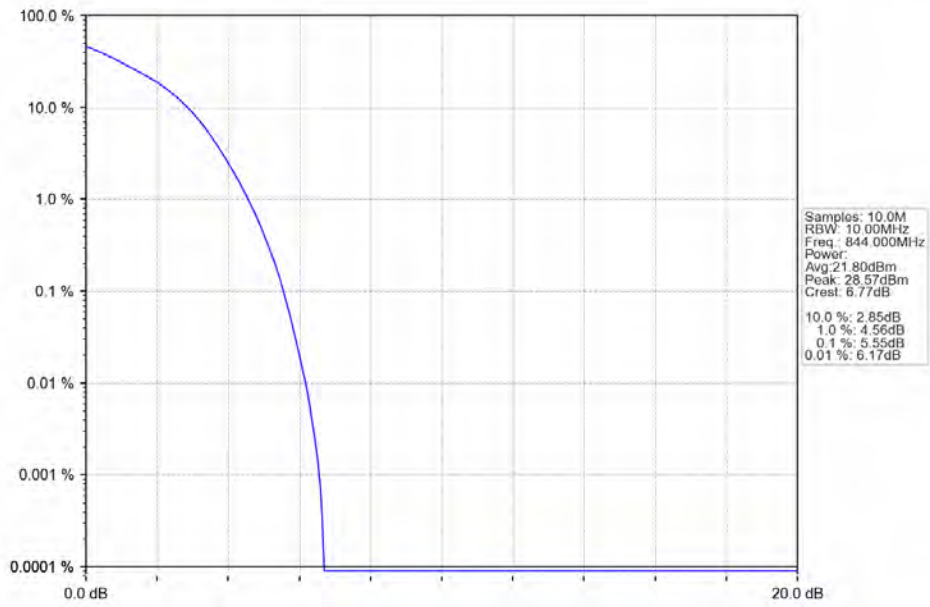
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



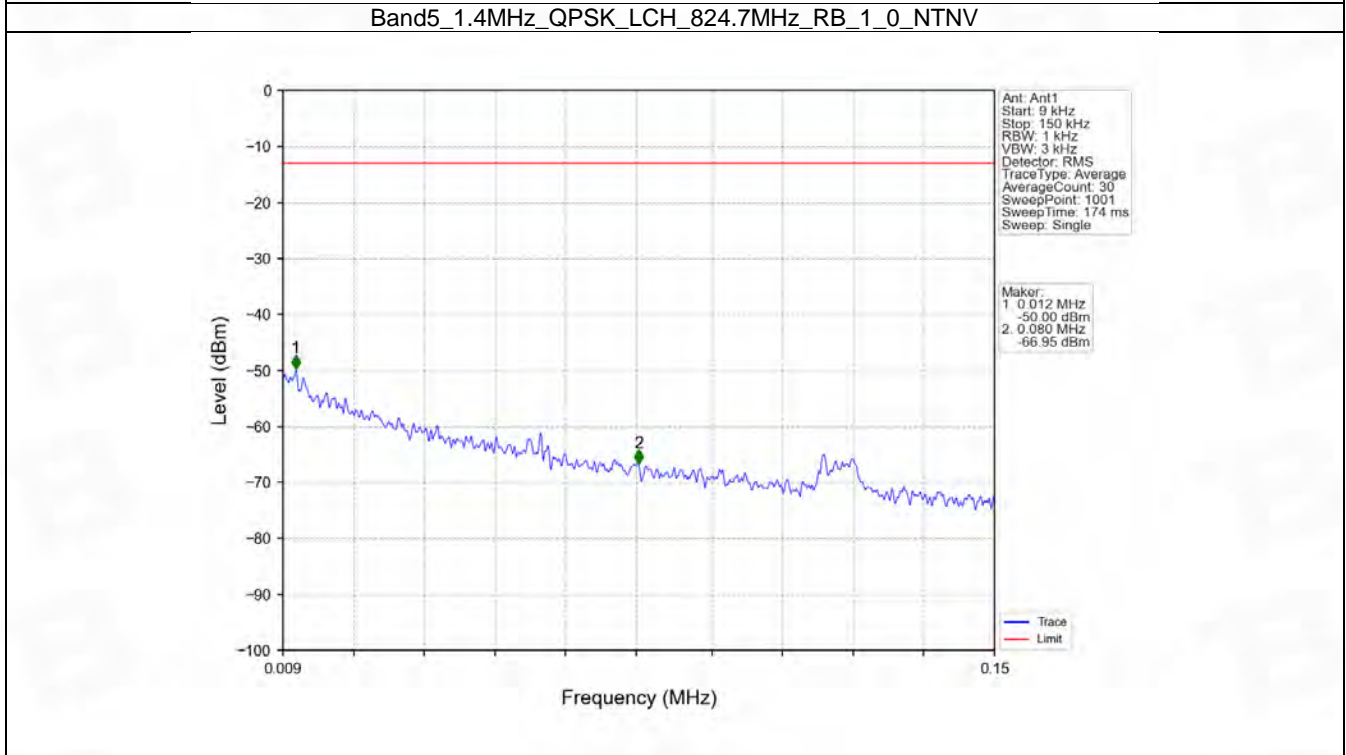
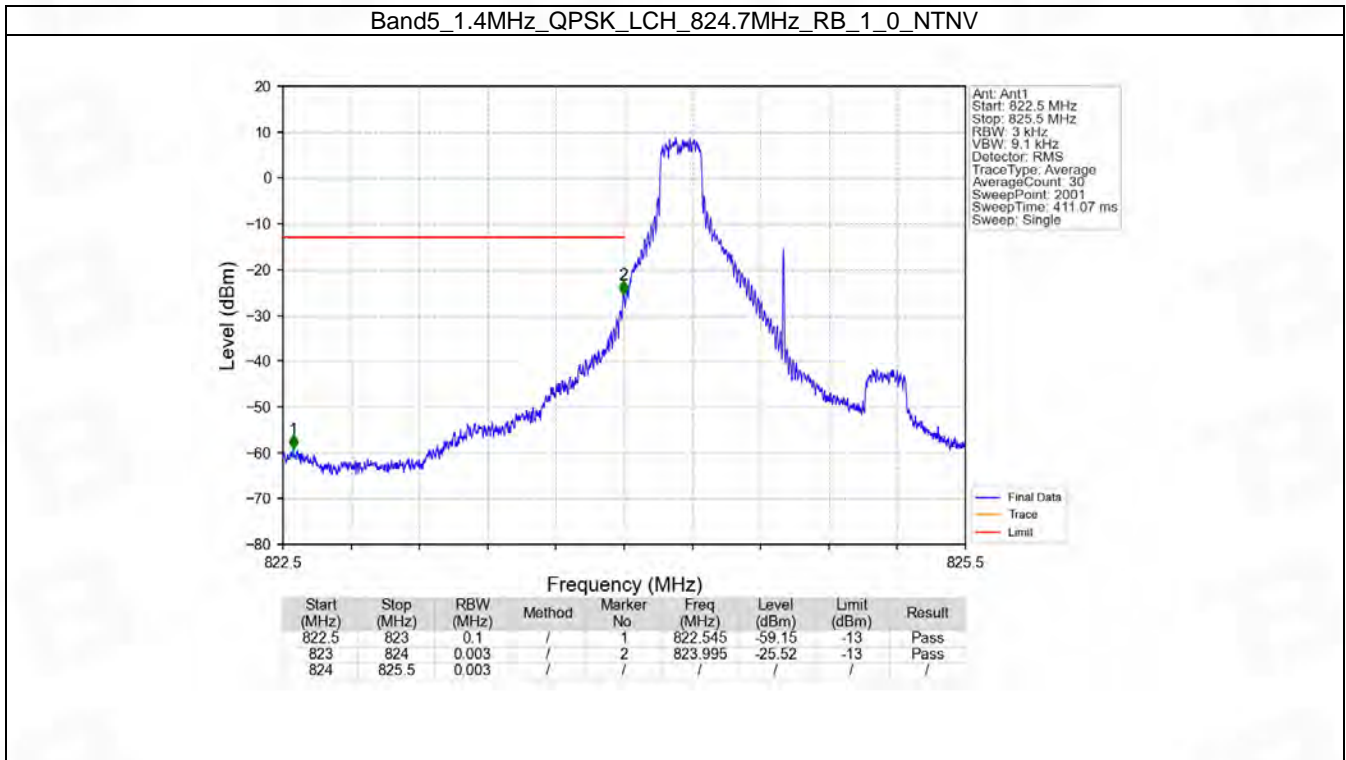
6. Spurious Emission

6.1 B5_1.4MHz

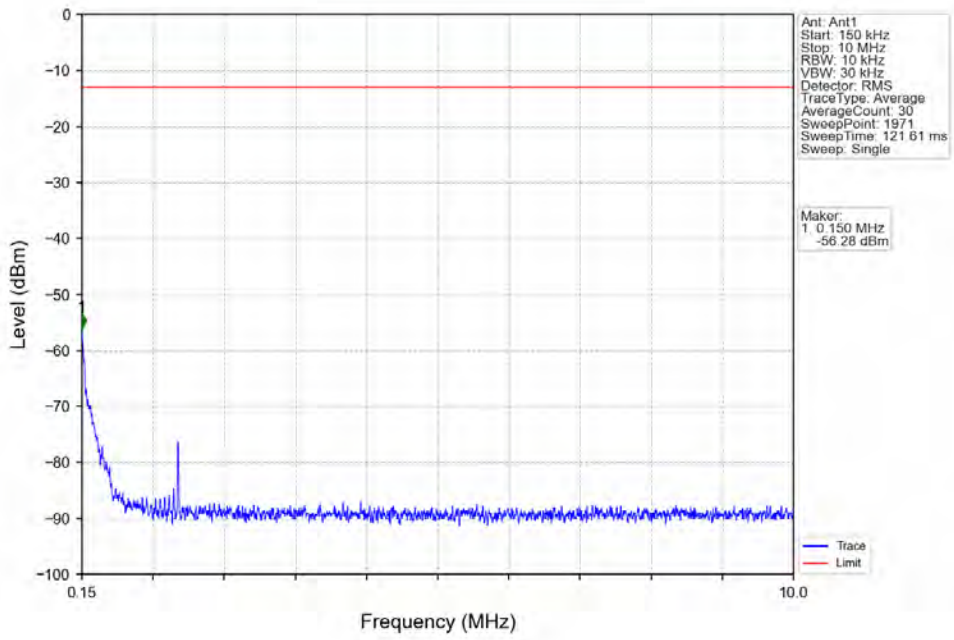
6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

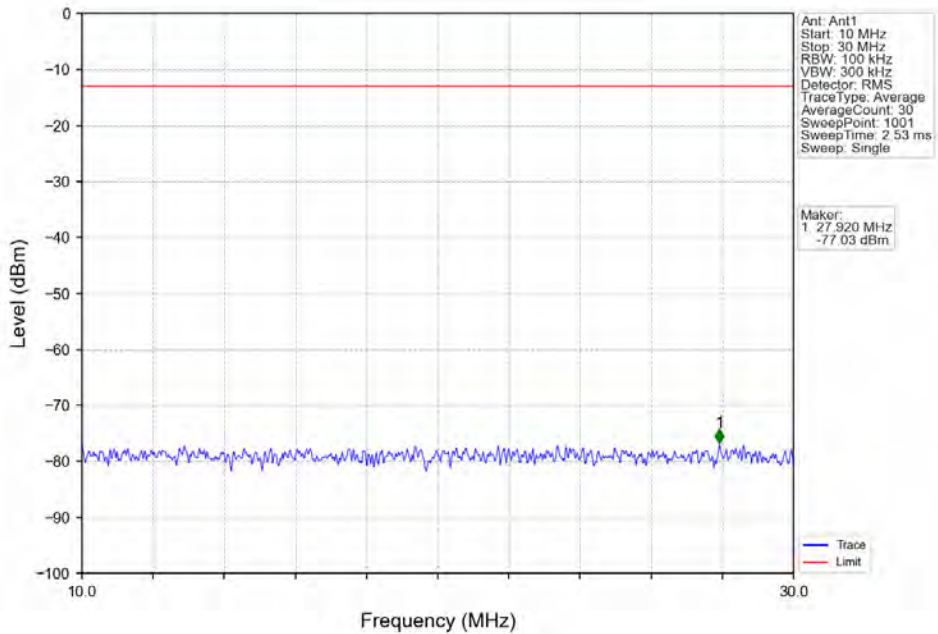
6.1.2 Test Graph



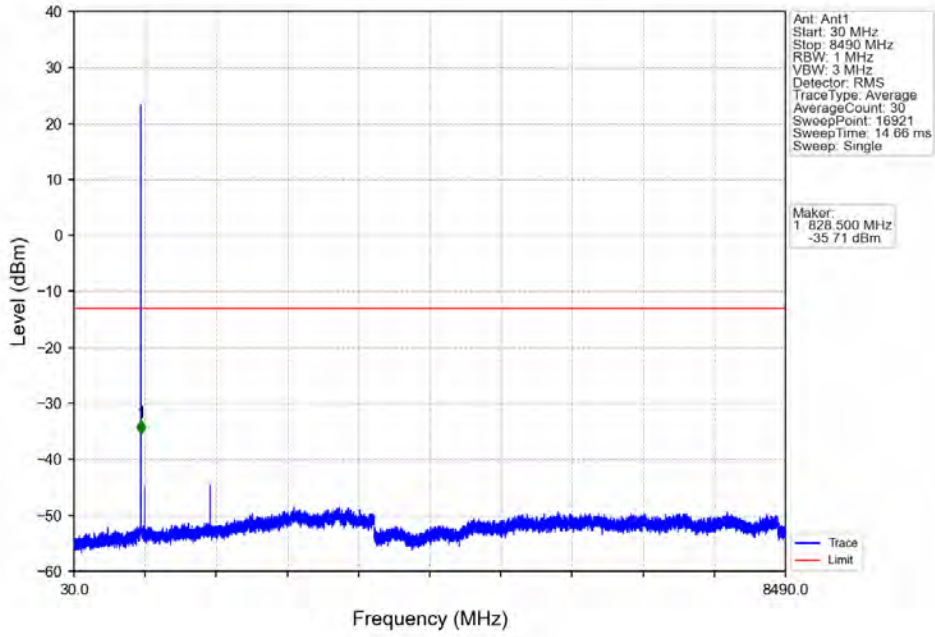
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



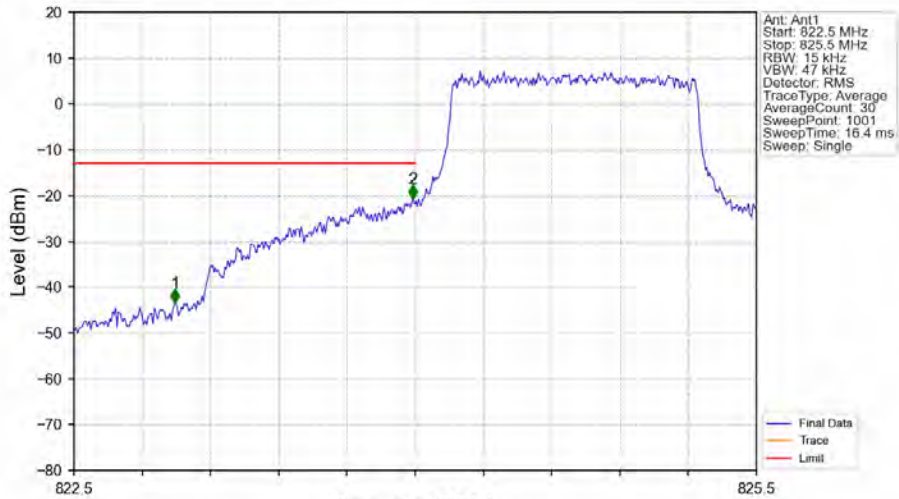
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

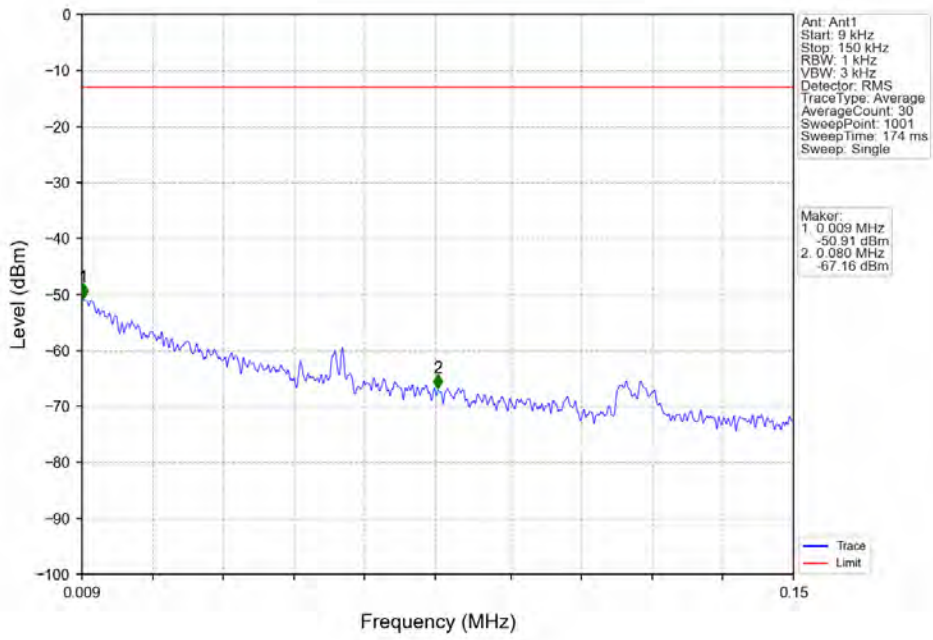


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

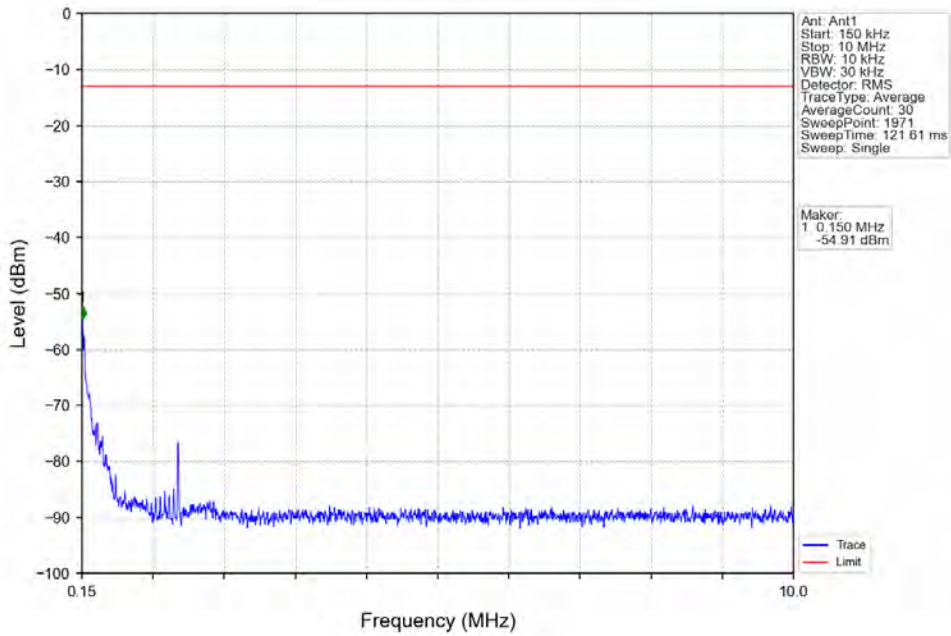


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	/	1	822.944	-43.44	-13	Pass
823	824	0.015	/	2	823.991	-20.70	-13	Pass
824	825.5	0.015	/	/	/	/	/	/

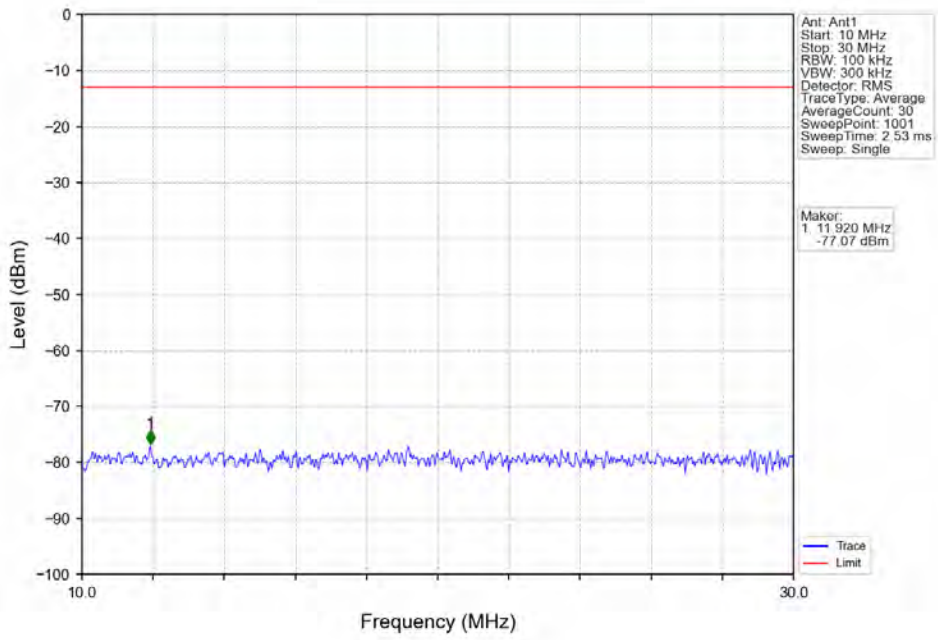
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



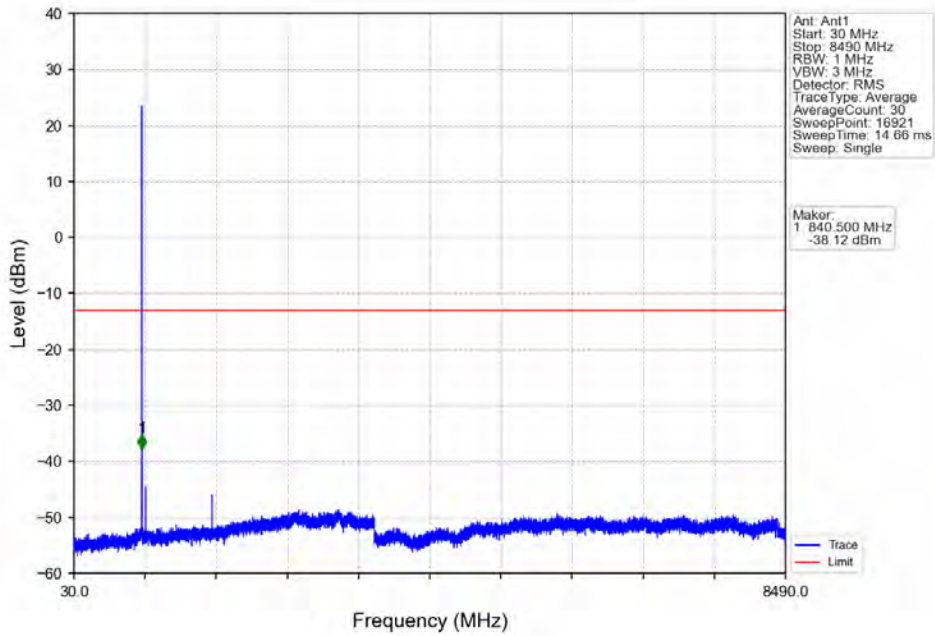
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



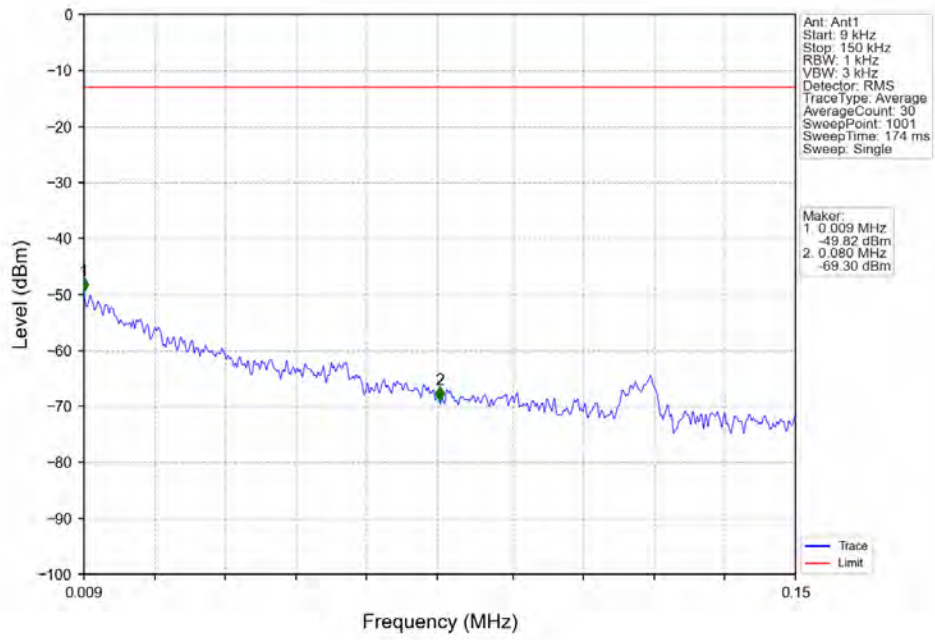
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



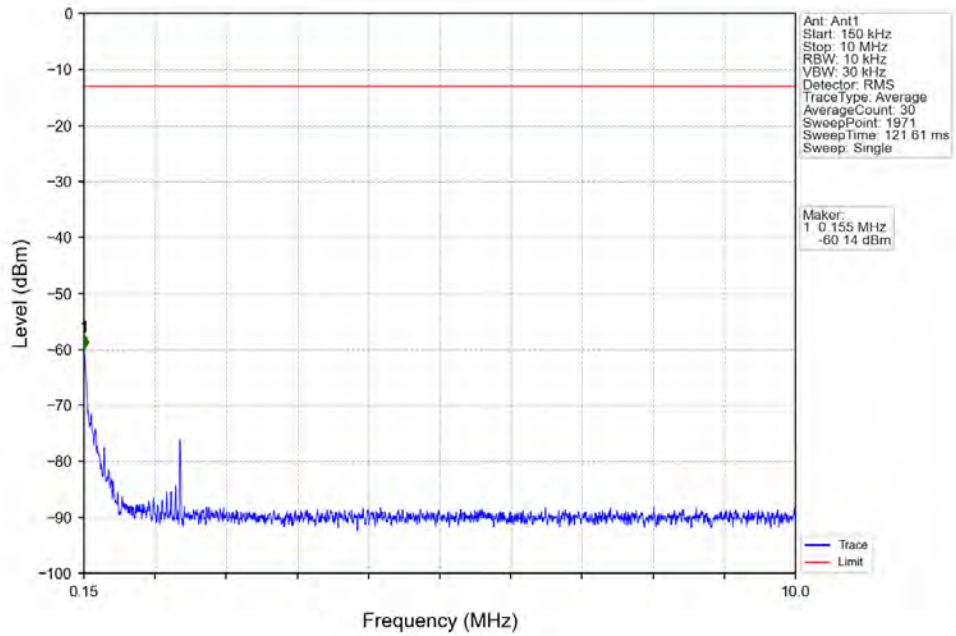
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



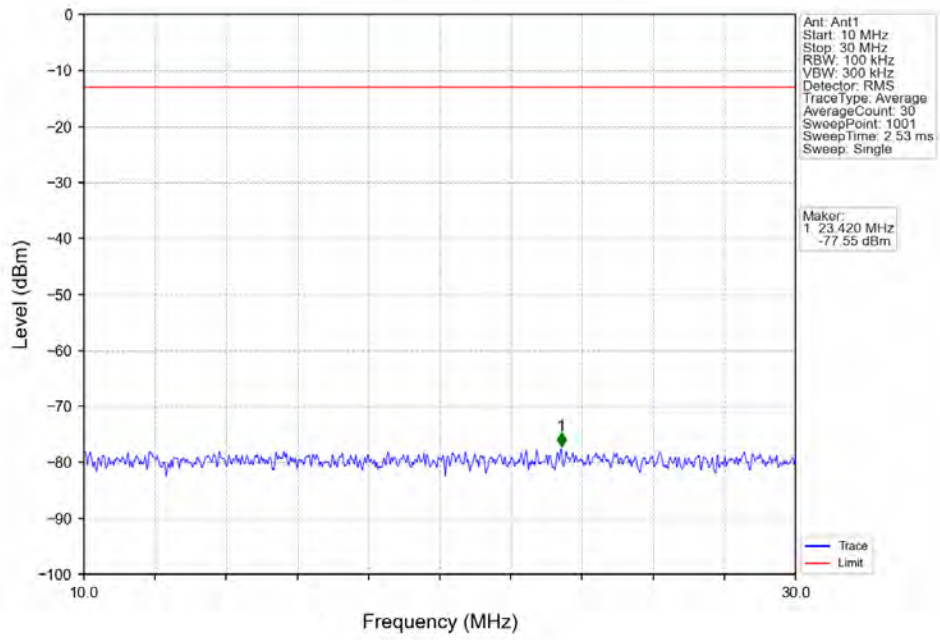
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



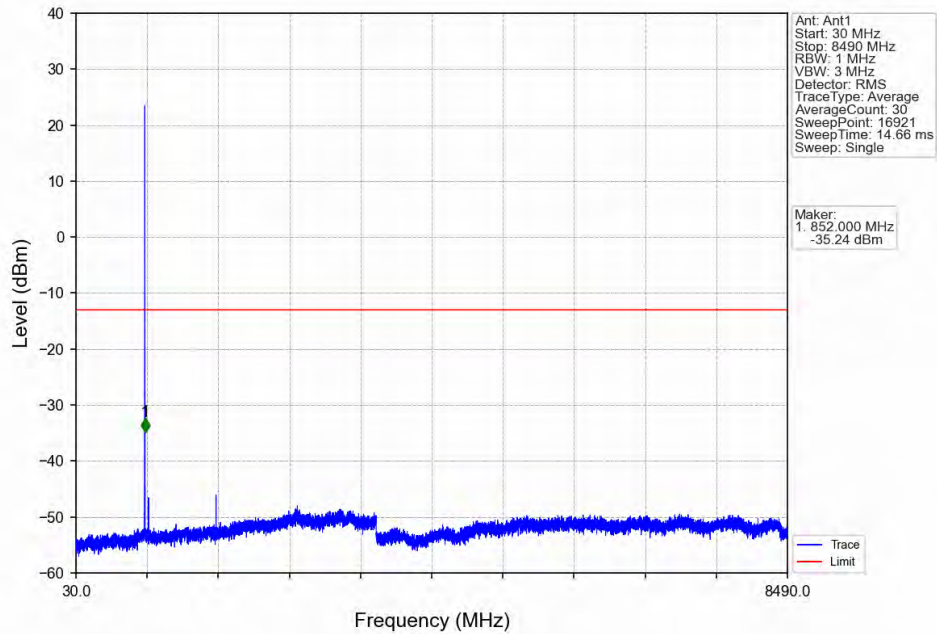
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



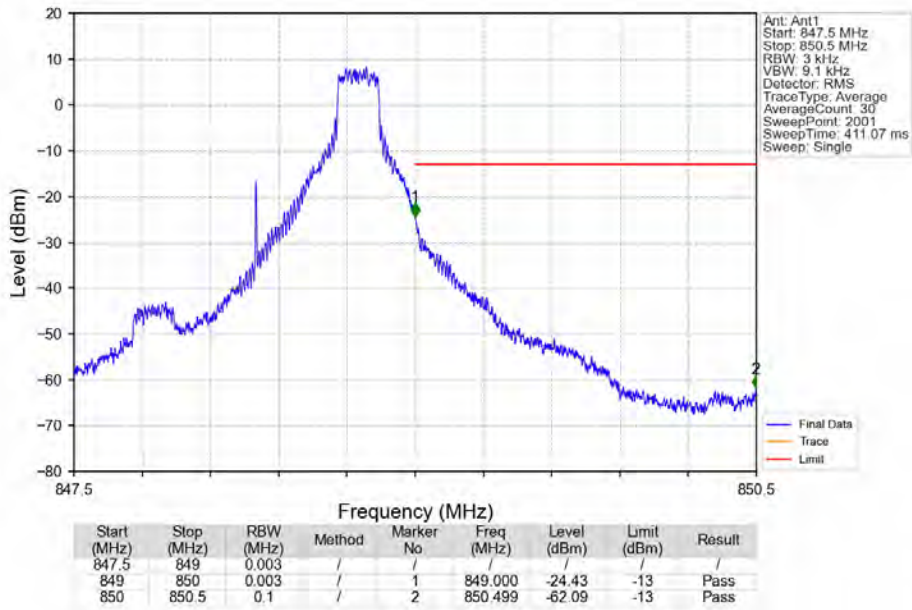
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



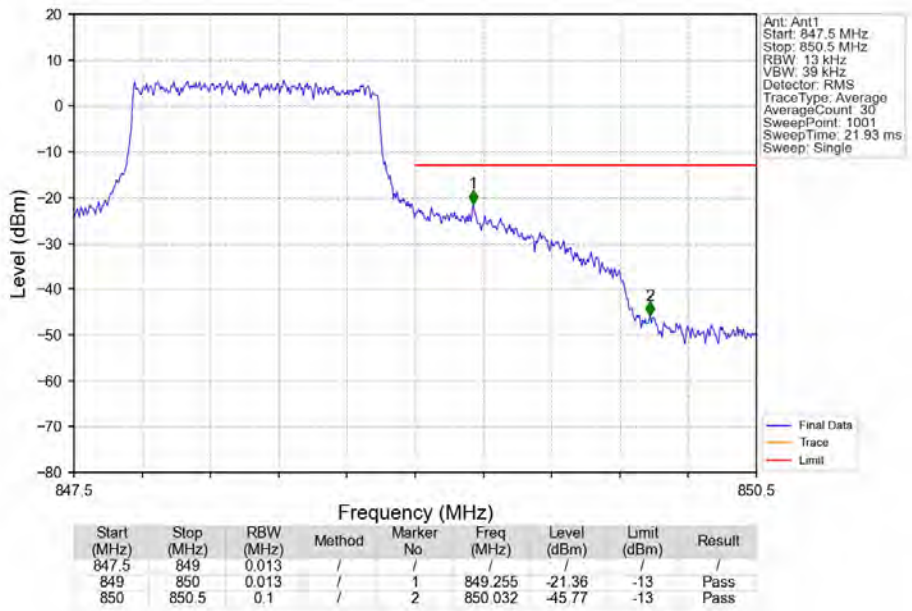
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



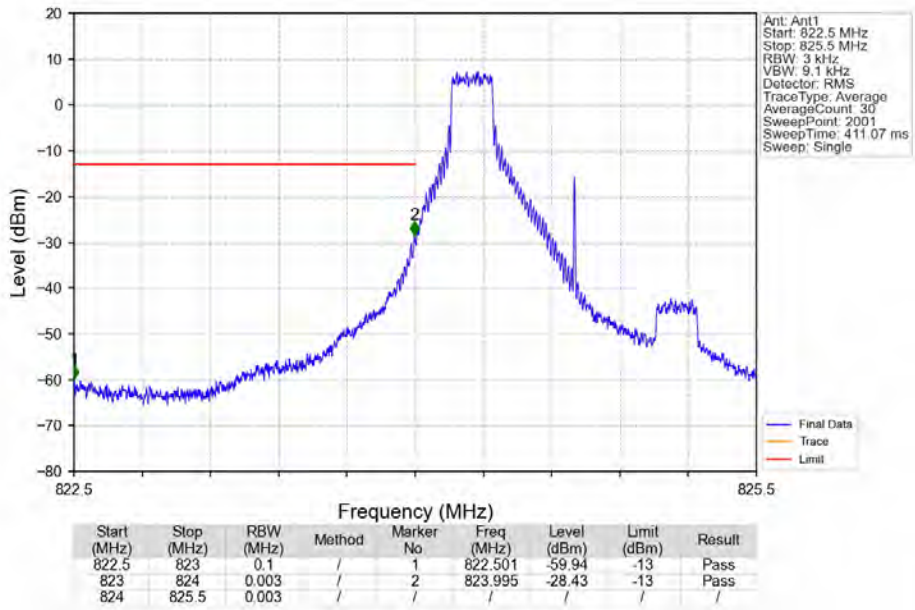
Band5 1.4MHz QPSK_HCH_848.3MHz_RB_1_5_NTNV



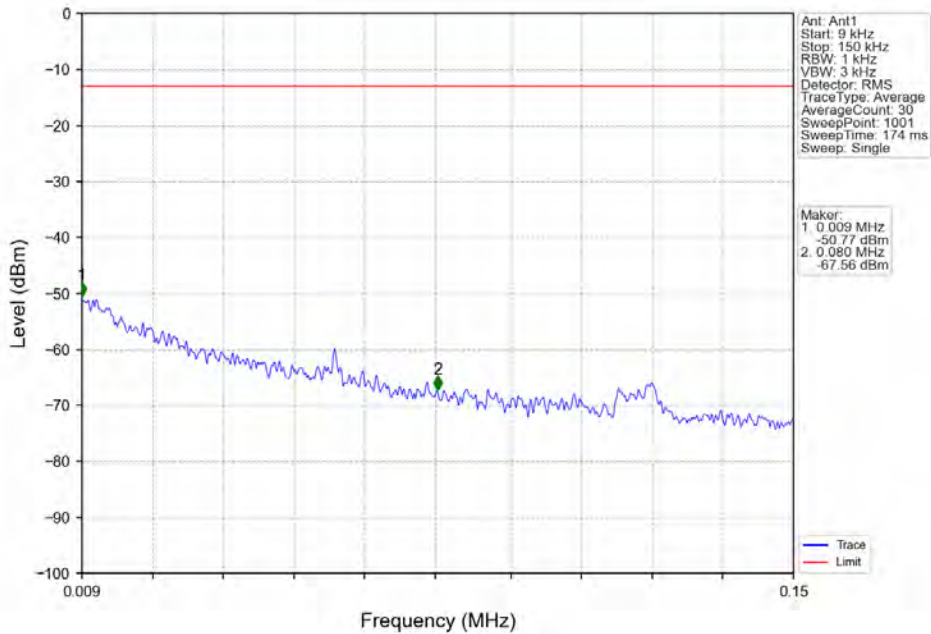
Band5 1.4MHz QPSK_HCH_848.3MHz_RB_6_0_NTNV



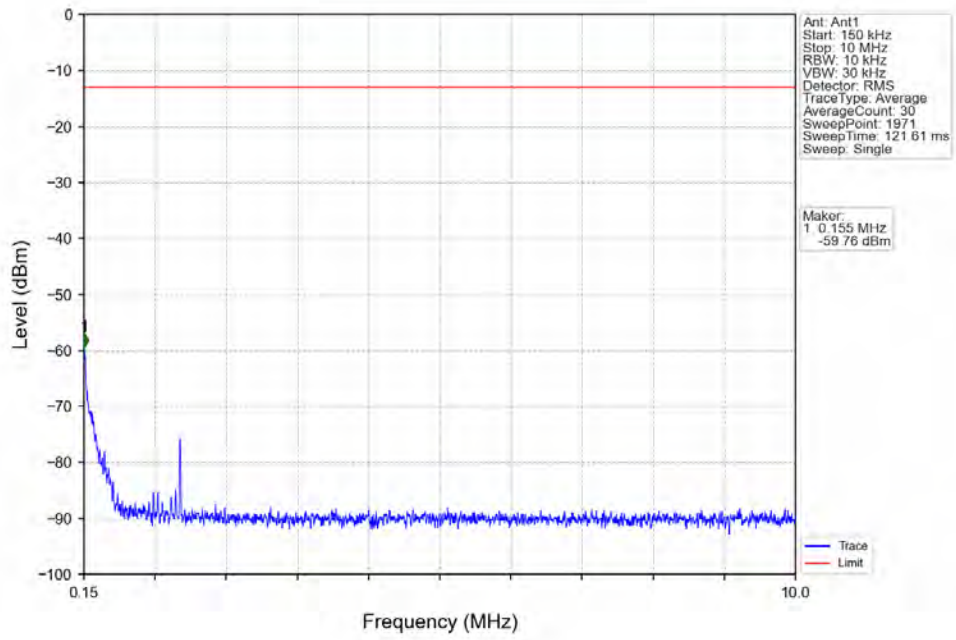
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



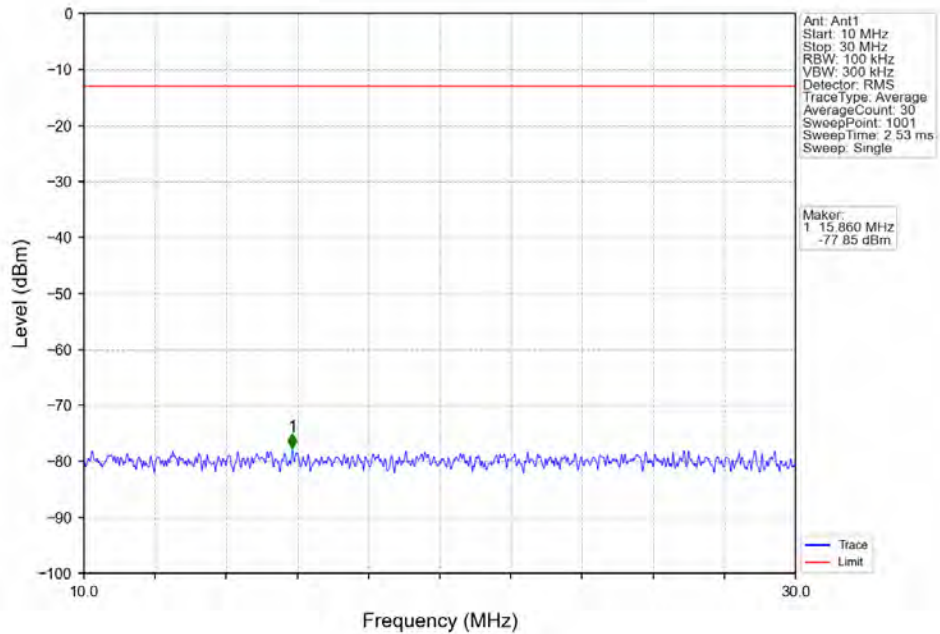
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



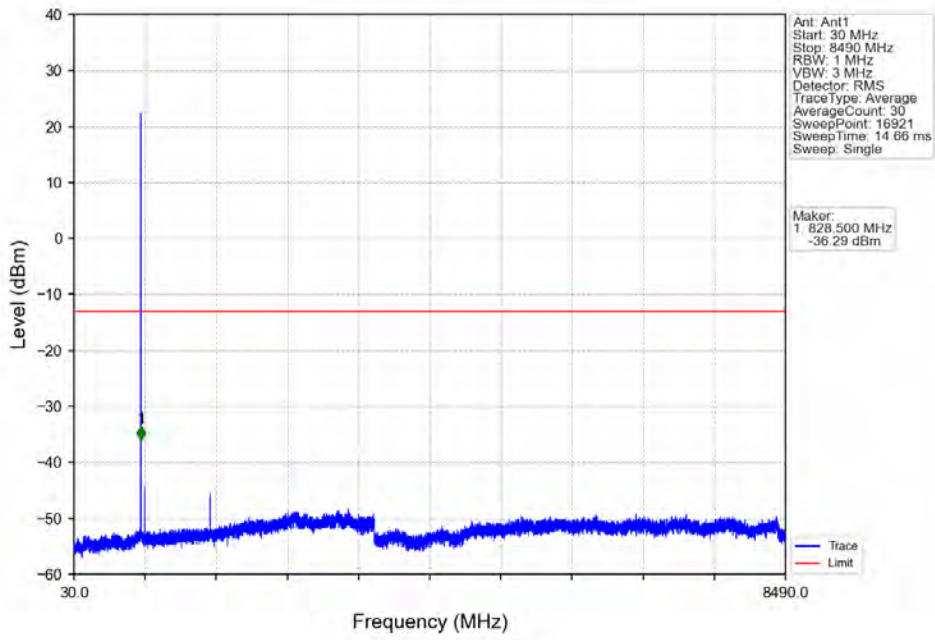
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



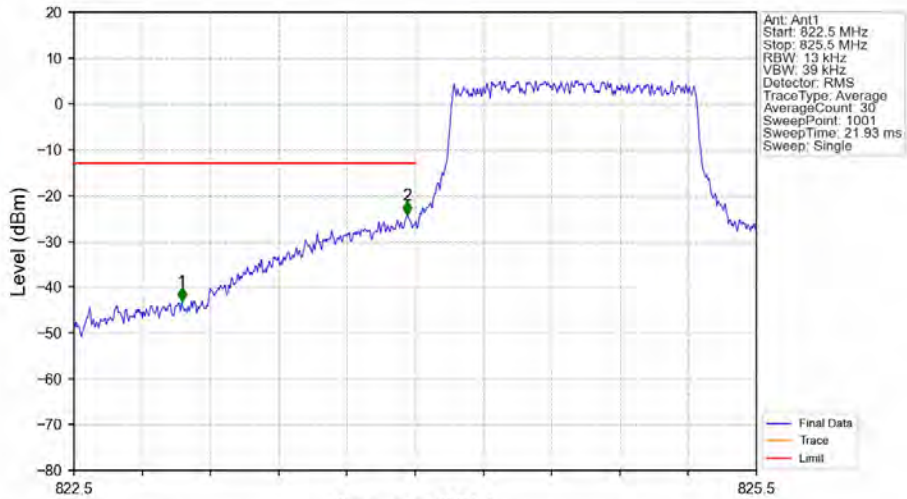
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

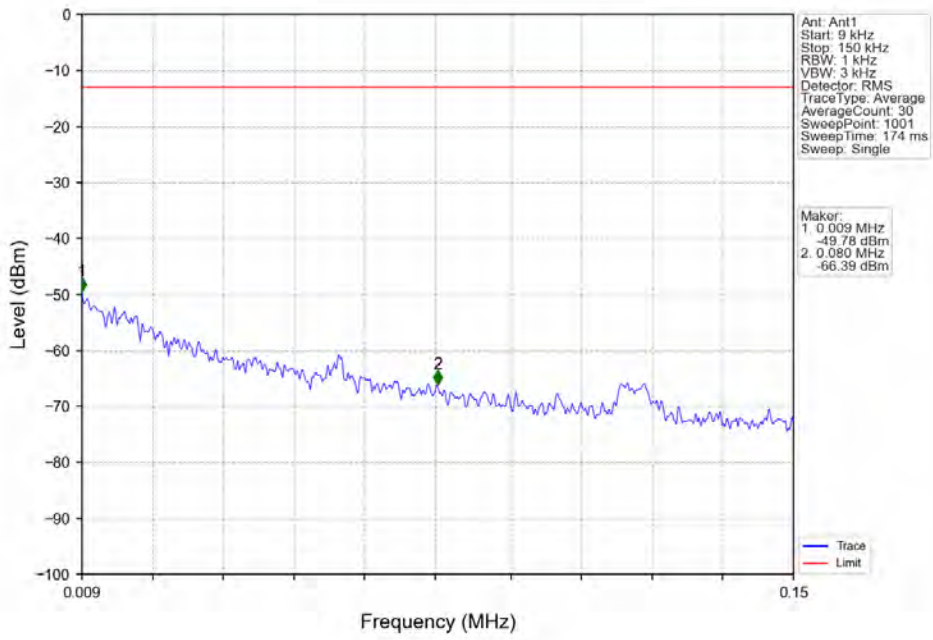


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

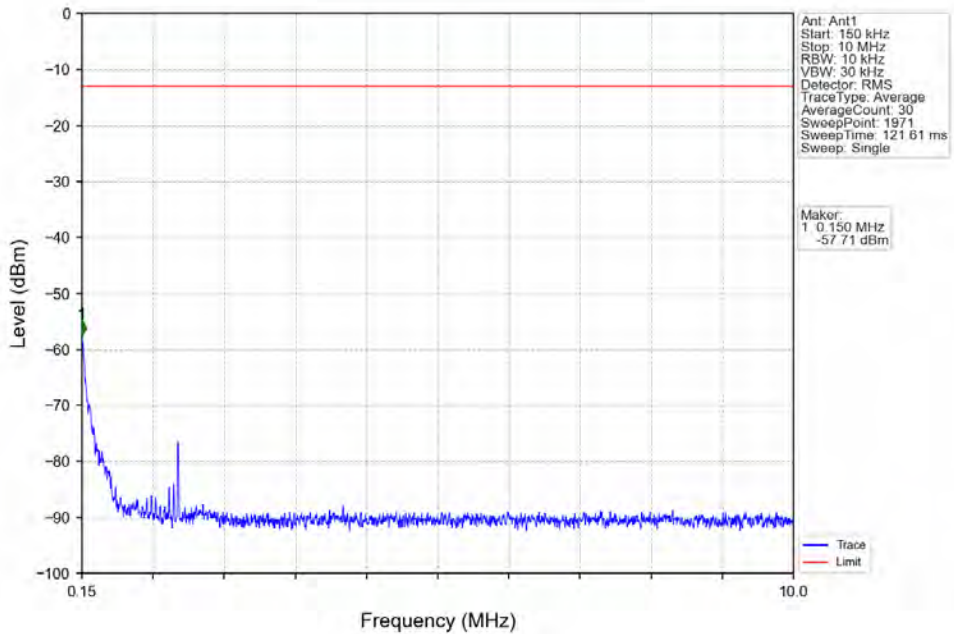


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	/	1	822.974	-43.12	-13	Pass
823	824	0.013	/	2	823.964	-24.29	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

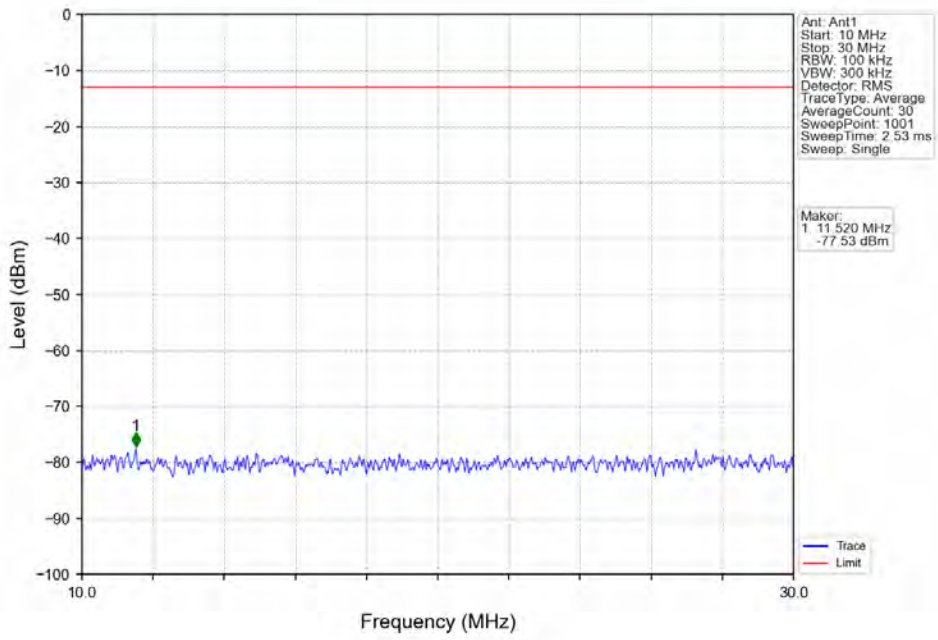
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



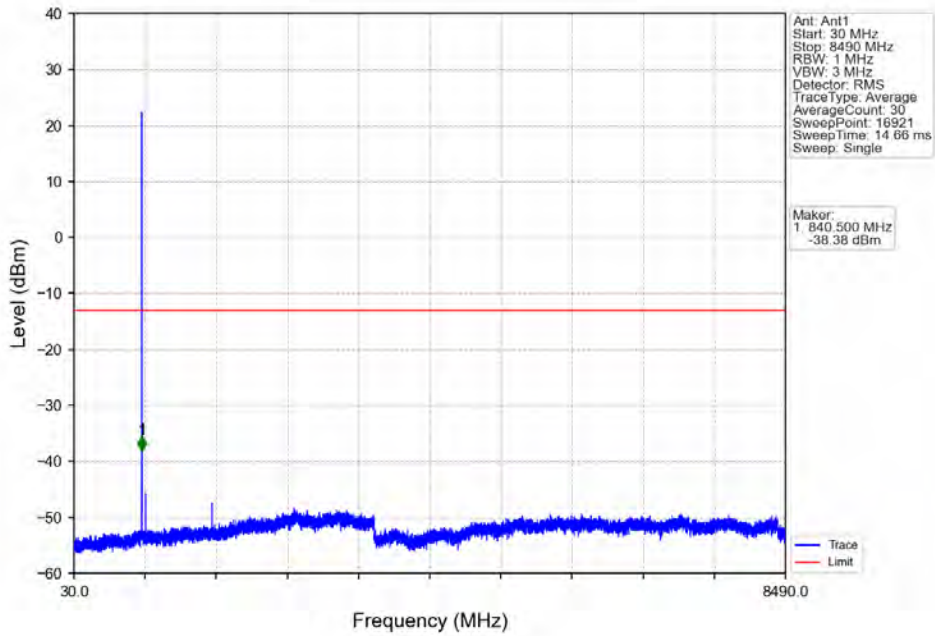
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



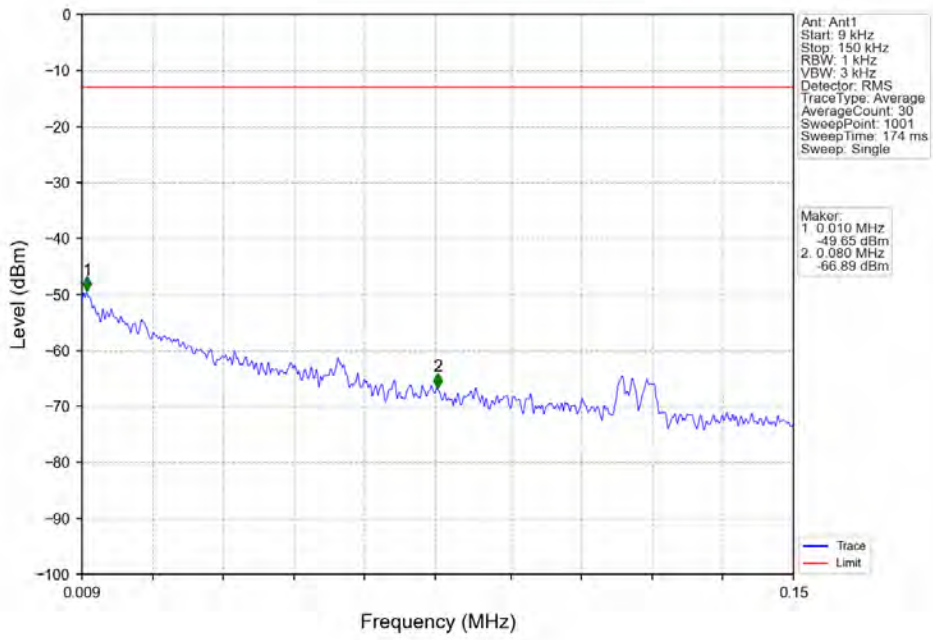
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



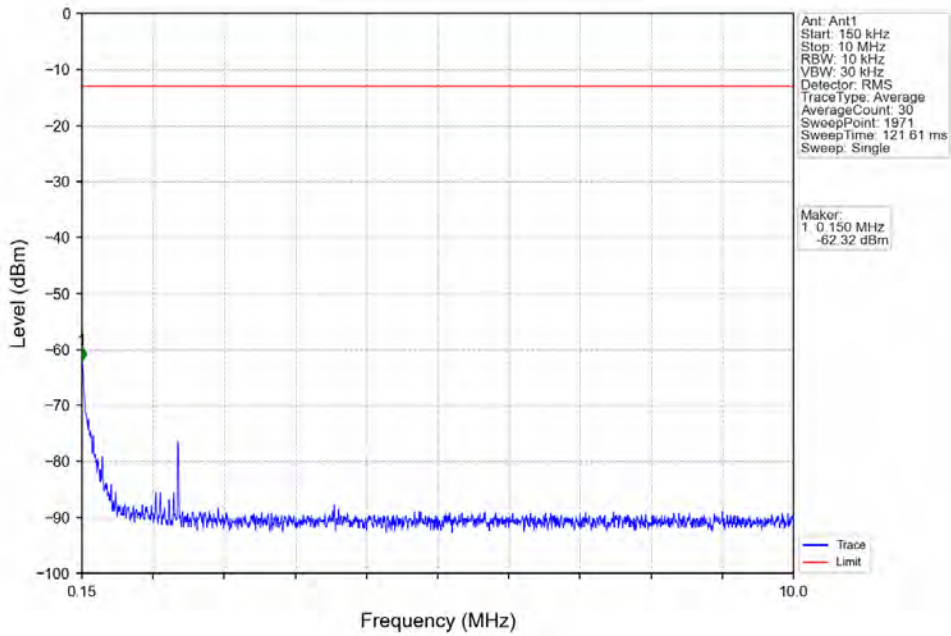
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



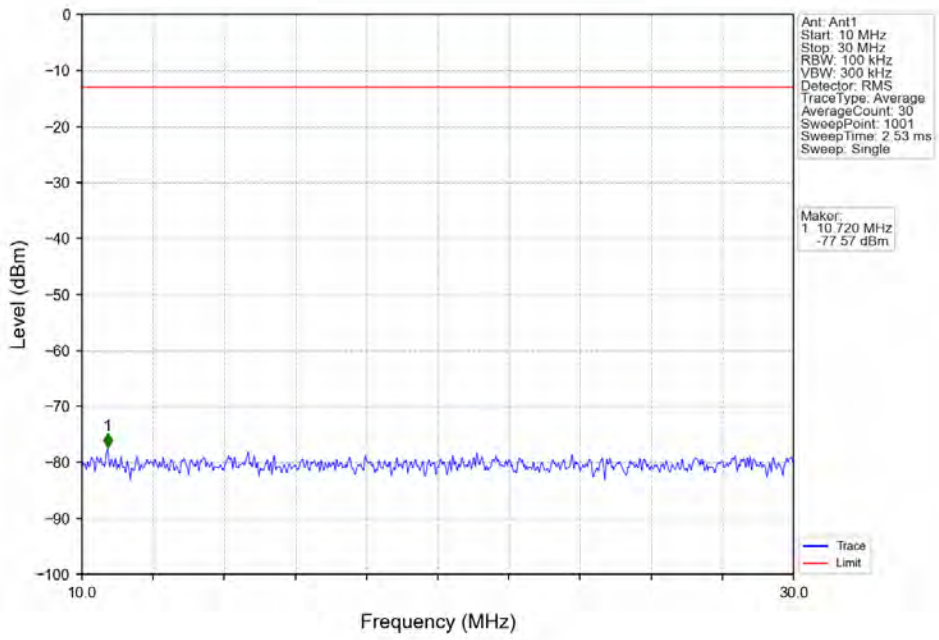
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



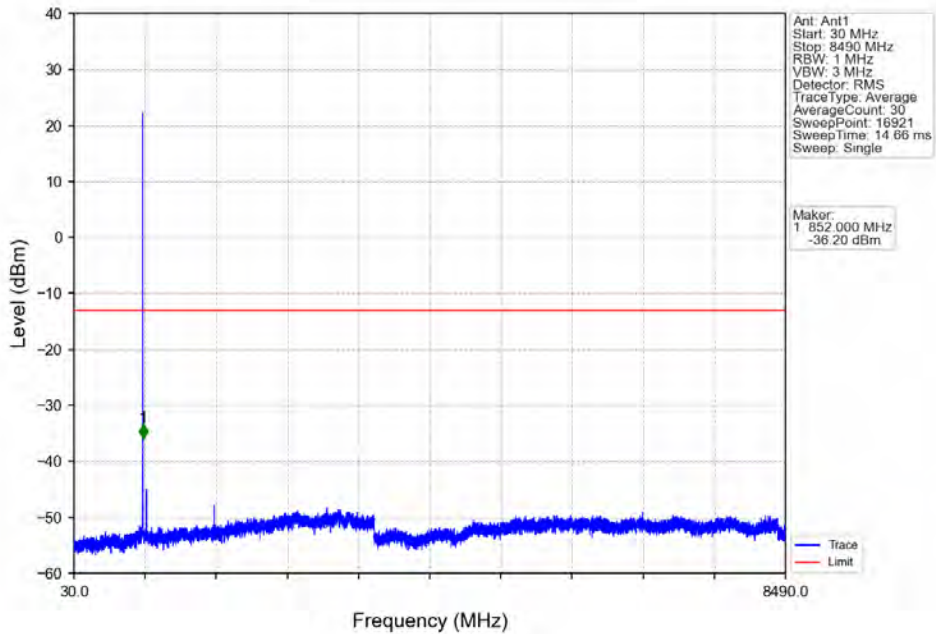
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



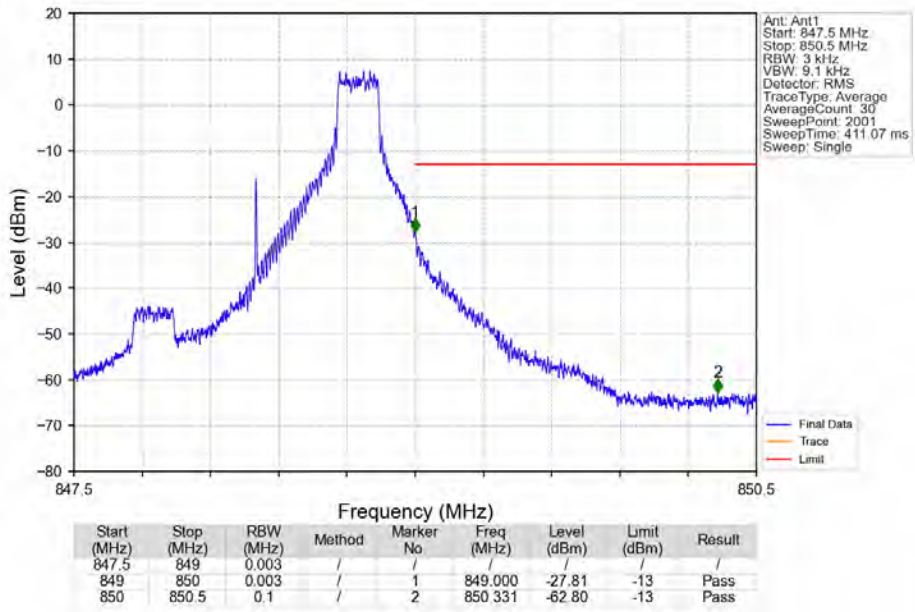
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



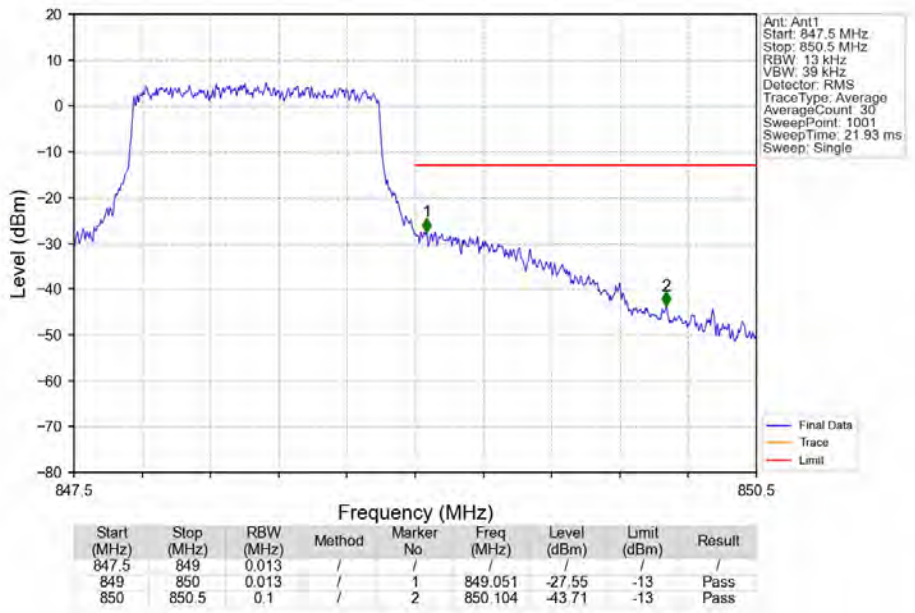
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

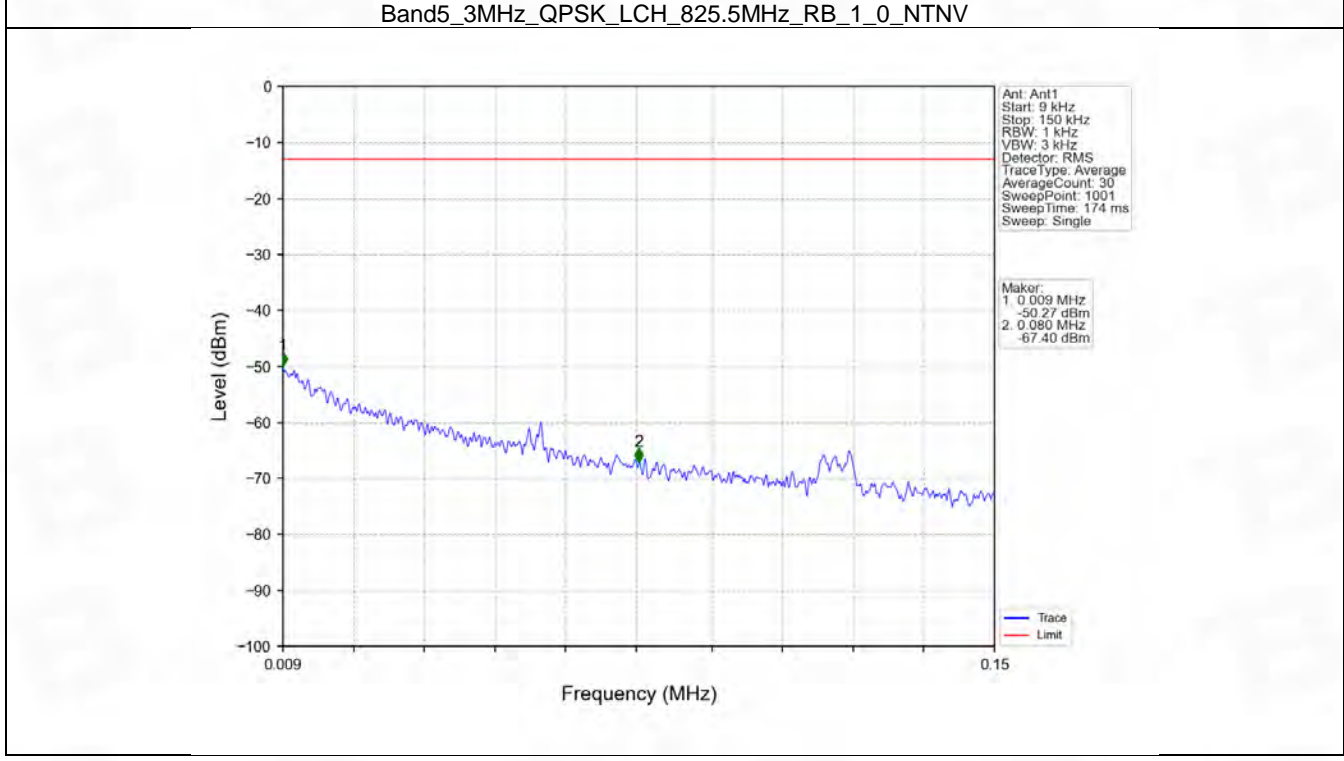
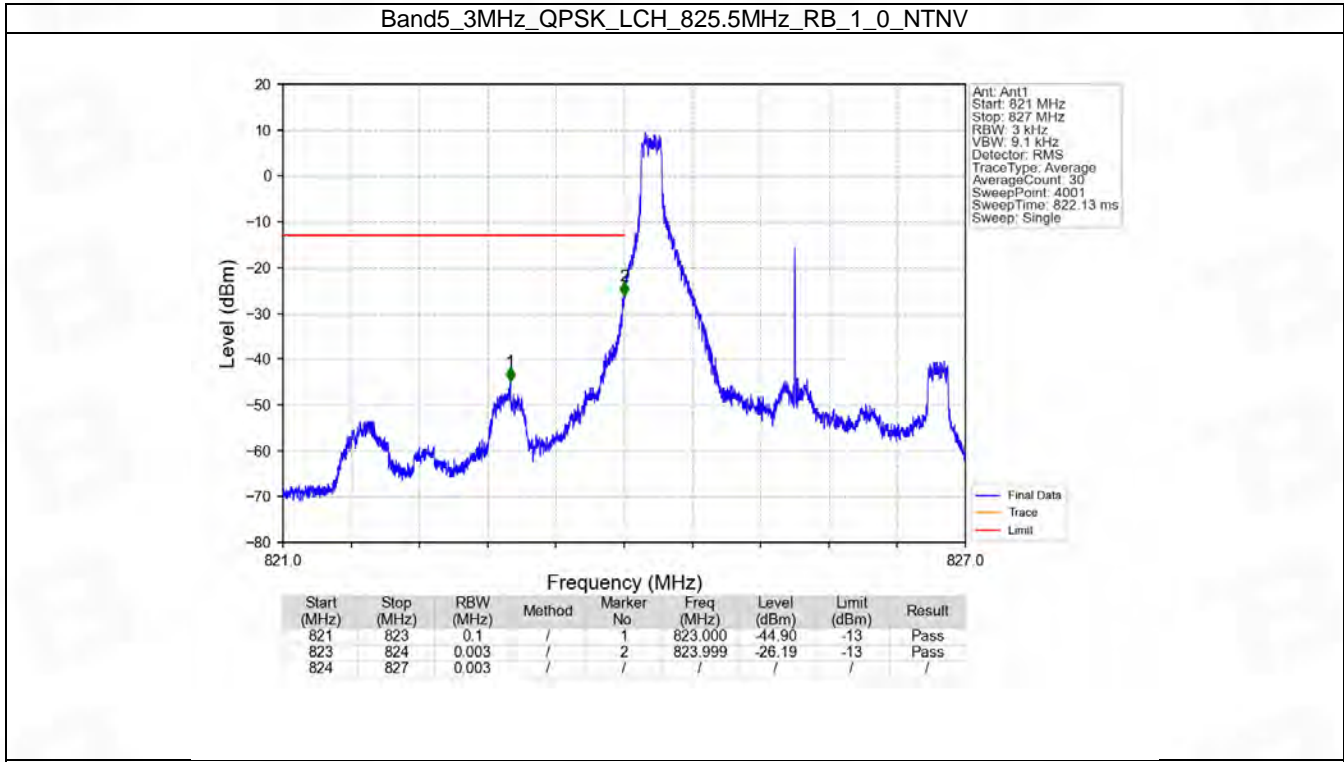


6.2 B5_3MHz

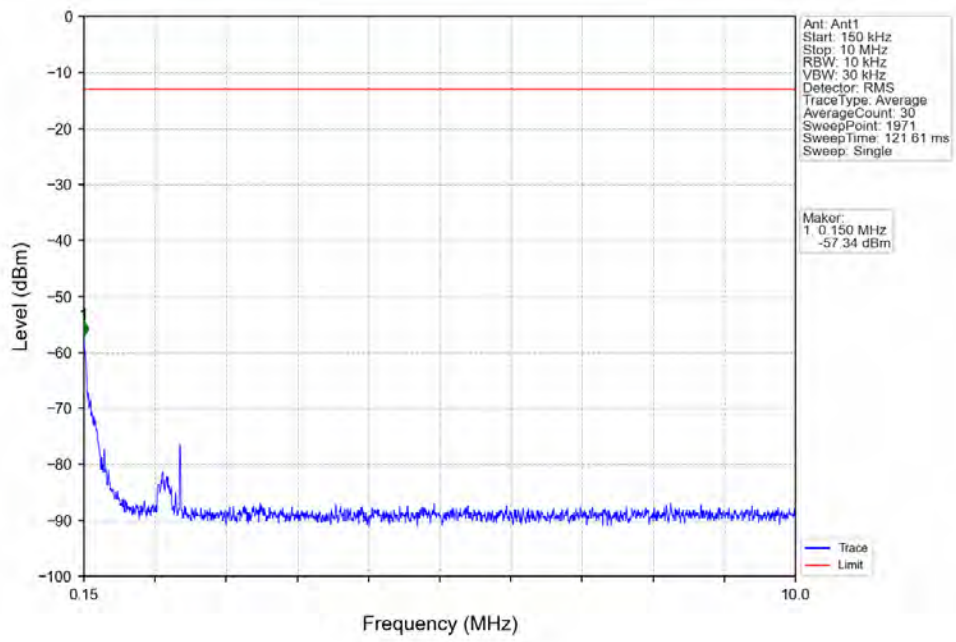
6.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

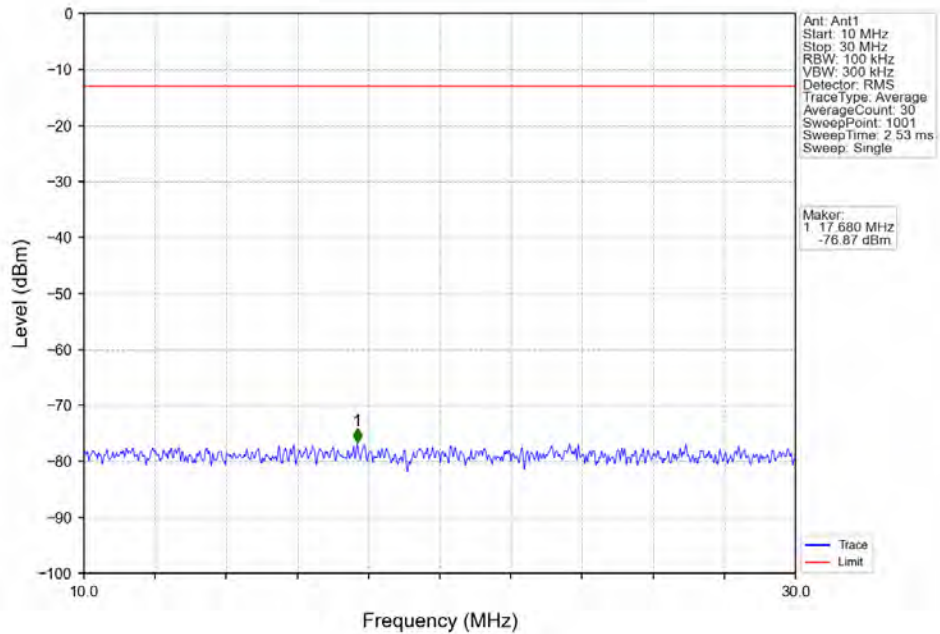
6.2.2 Test Graph



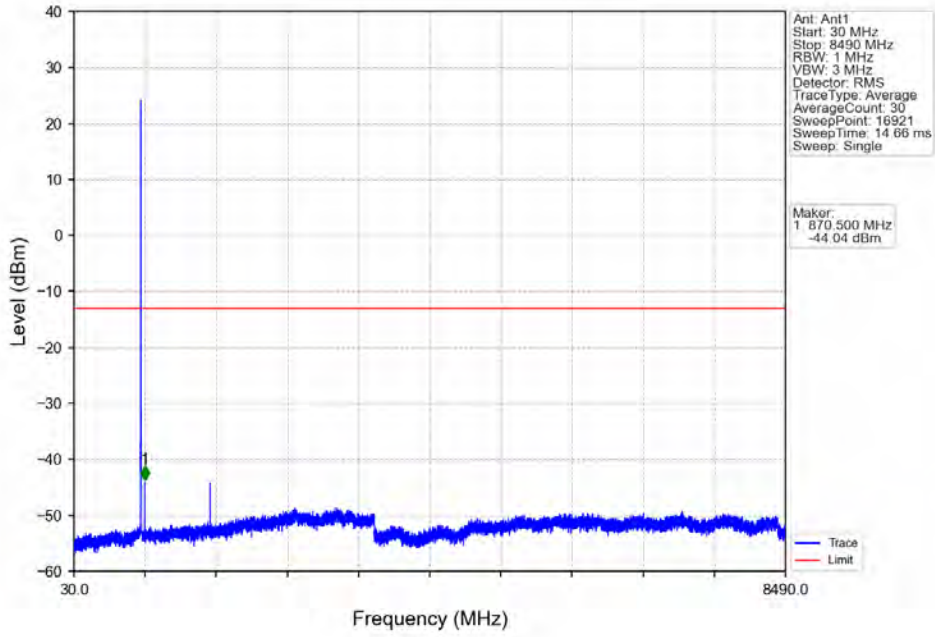
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



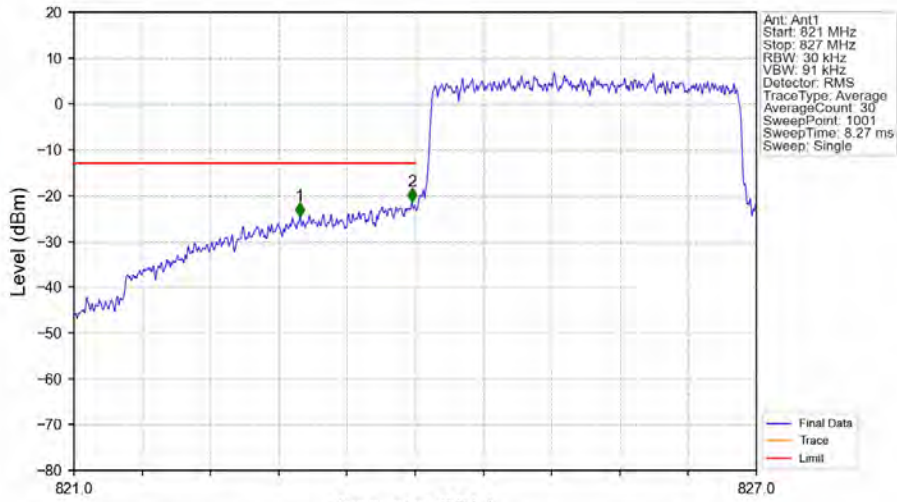
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

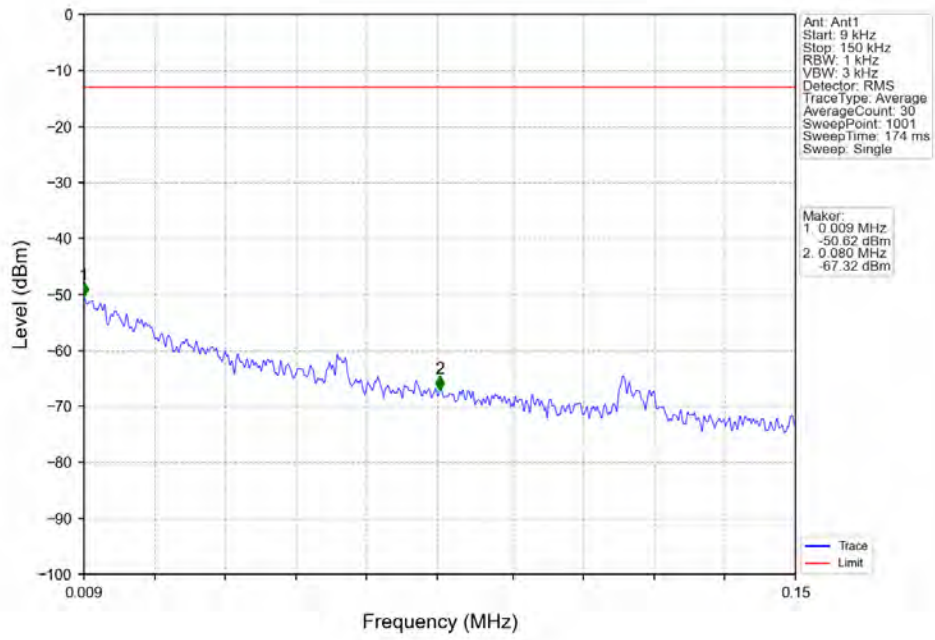


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

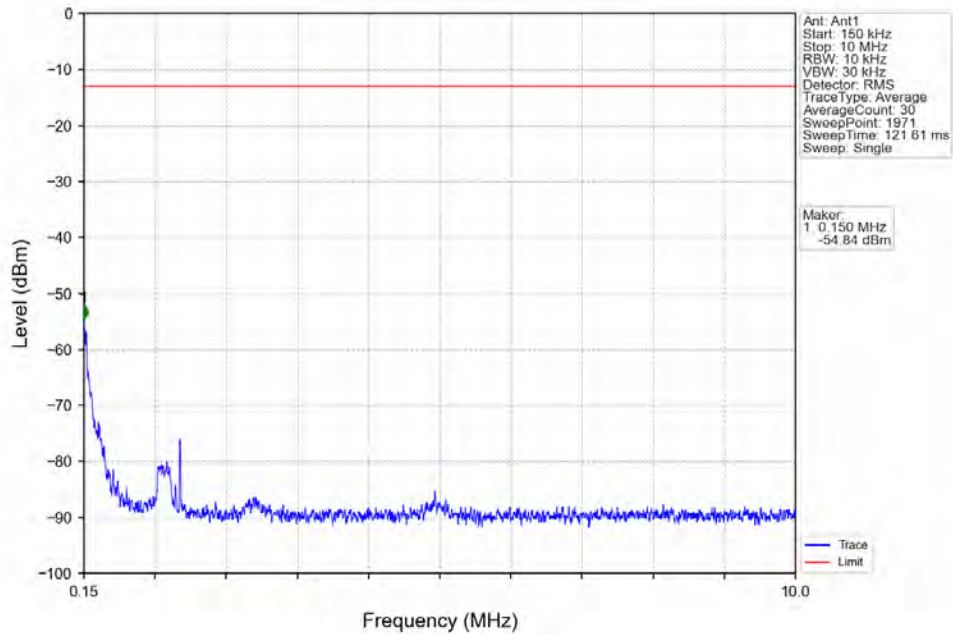


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	/	1	822.986	-24.54	-13	Pass
823	824	0.03	/	2	823.970	-21.35	-13	Pass
824	827	0.03	/	/	/	/	/	/

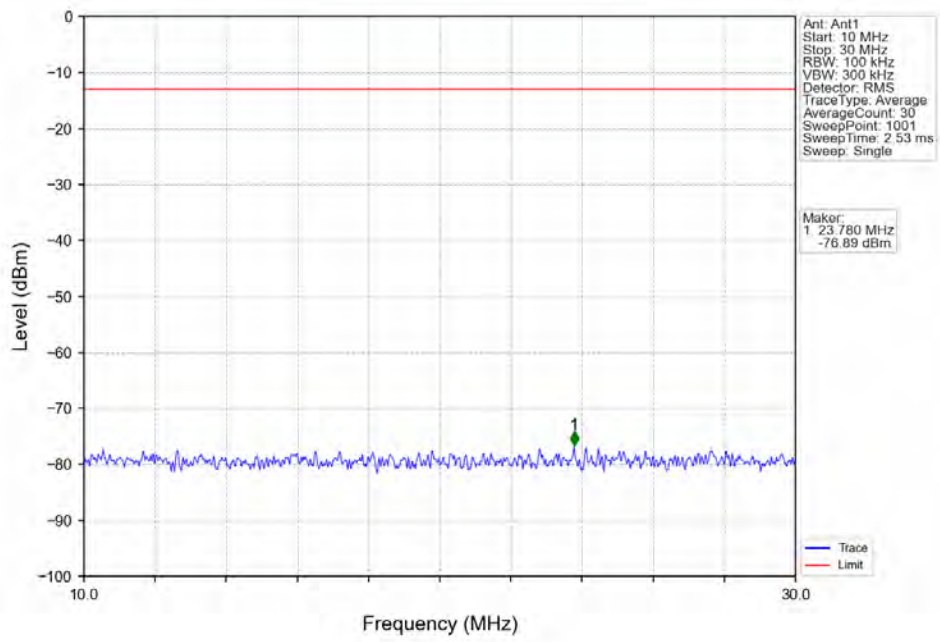
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



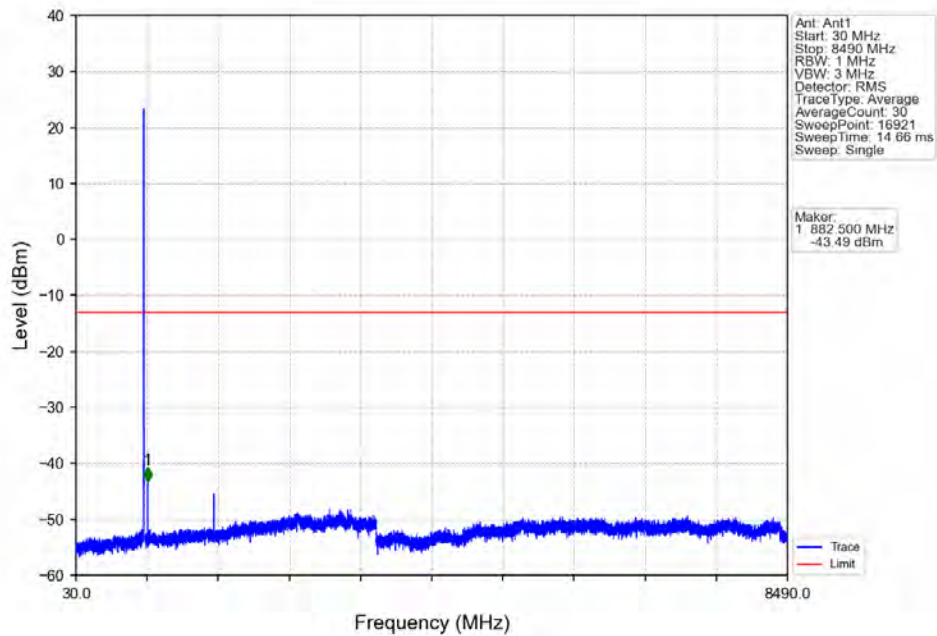
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



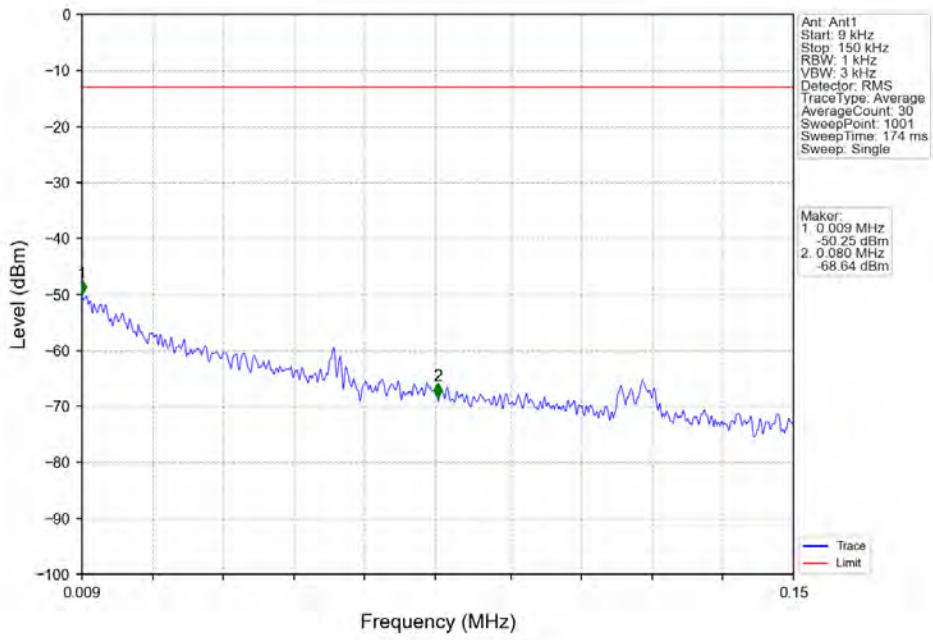
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



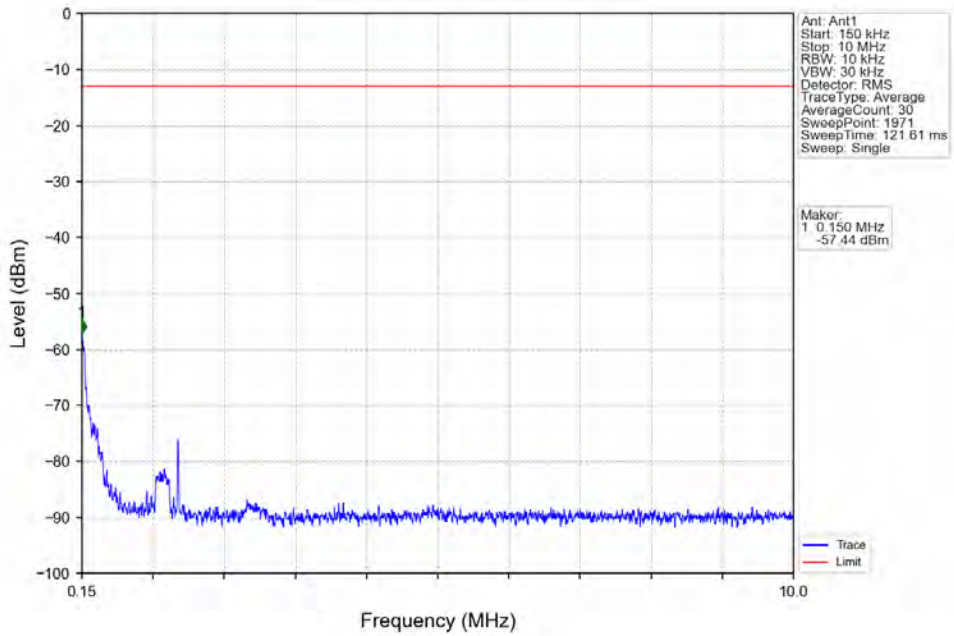
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



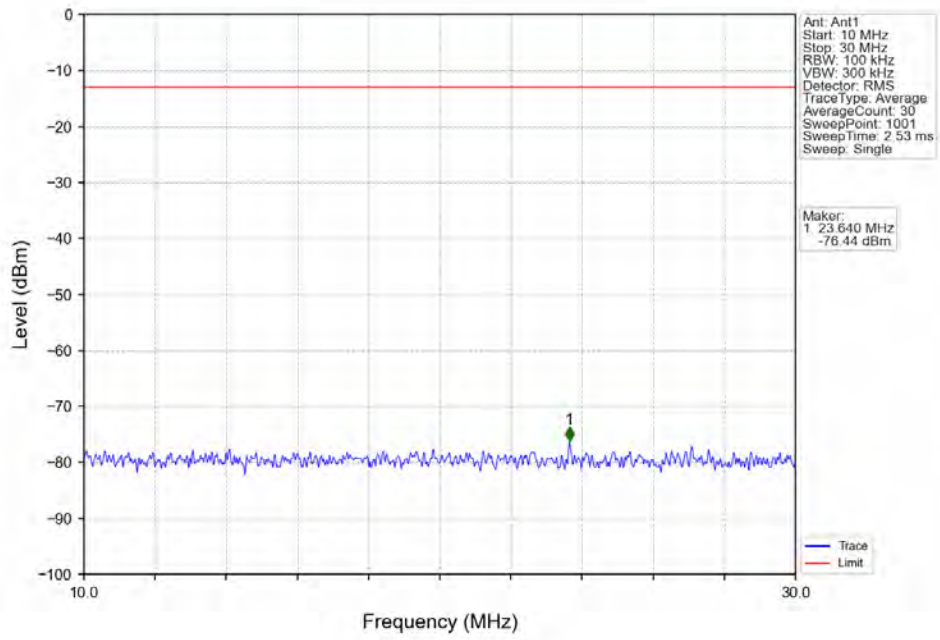
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



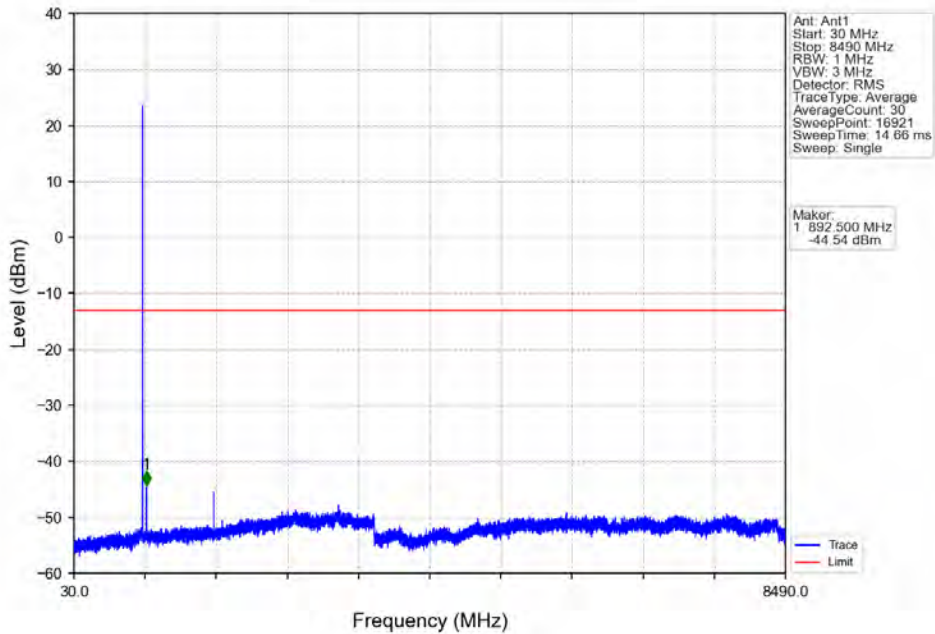
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



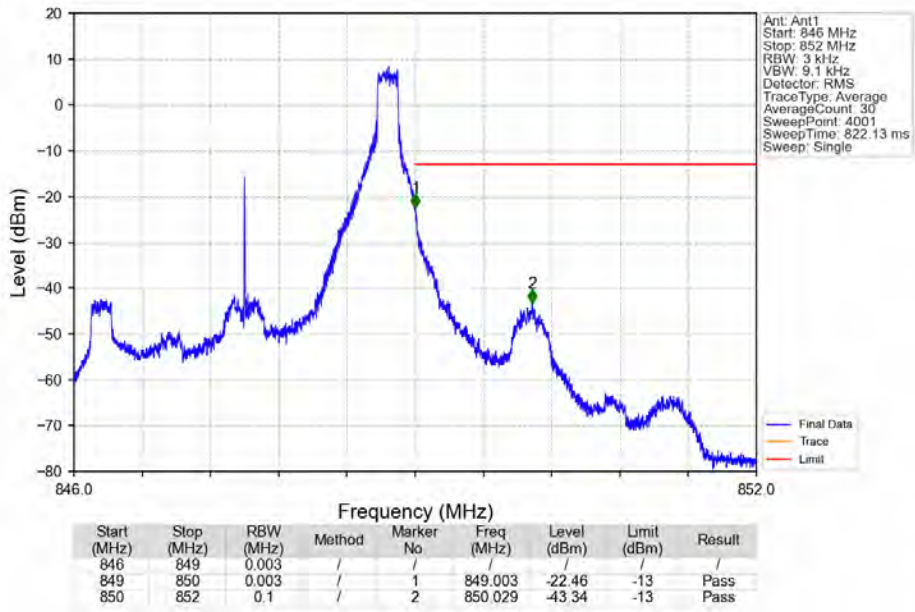
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



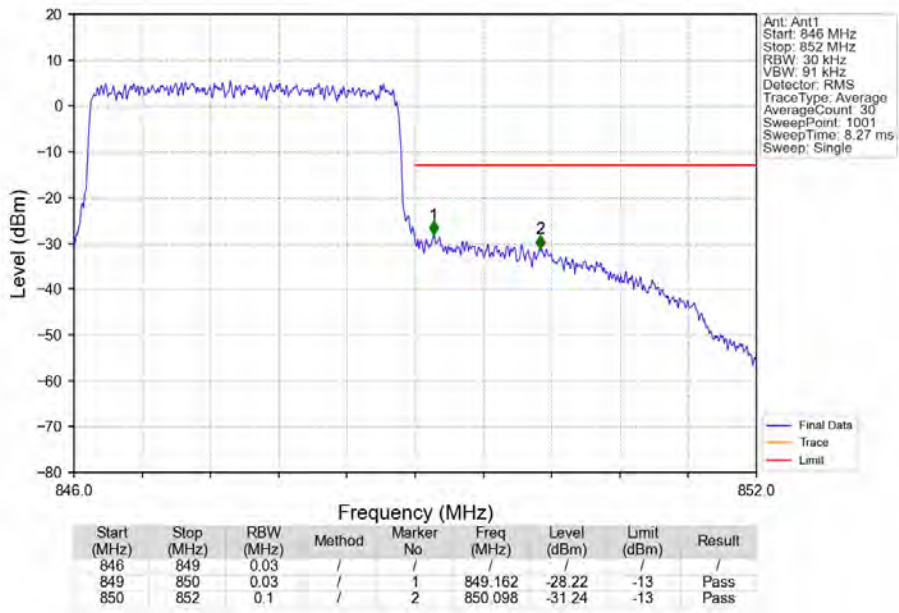
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



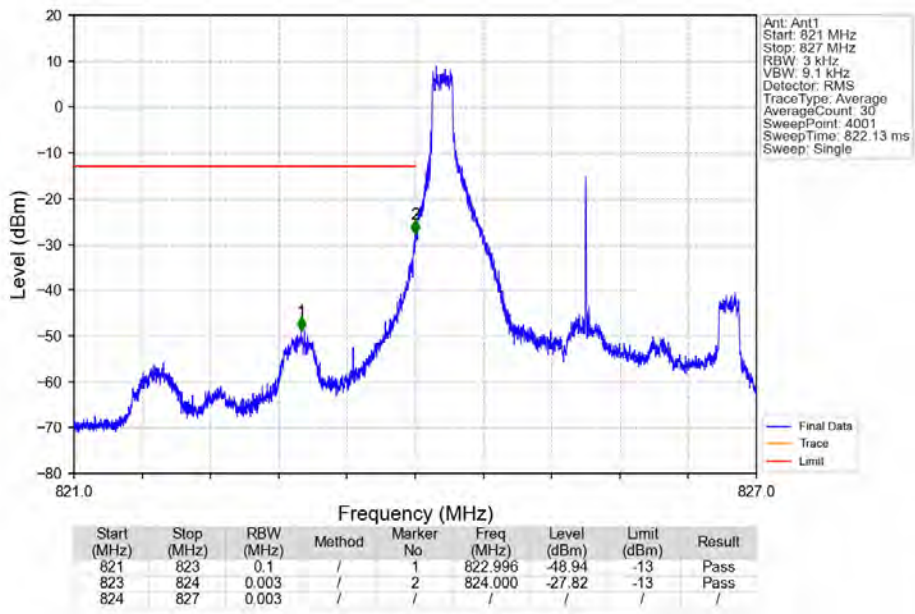
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



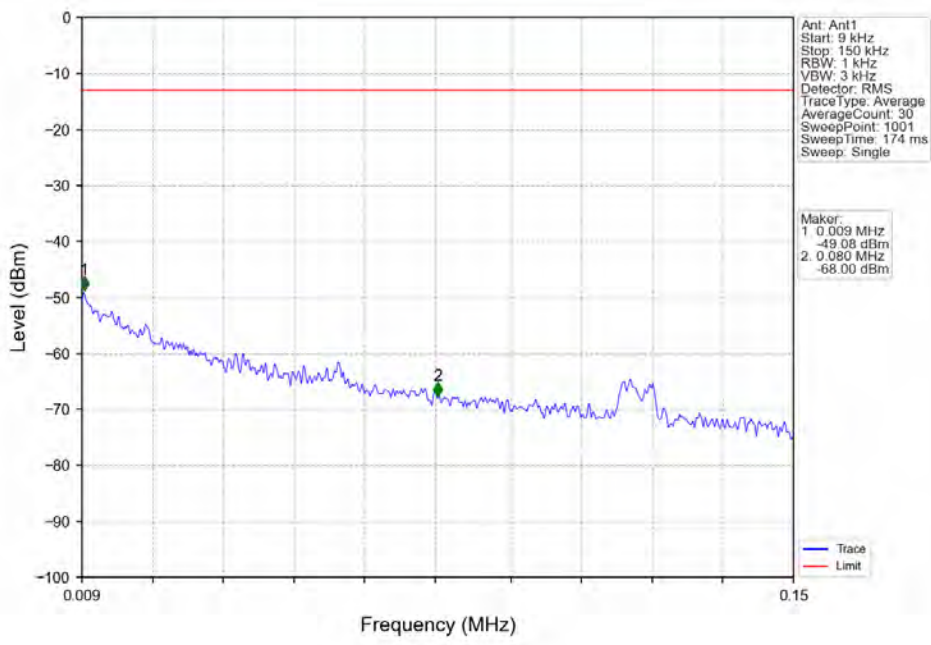
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



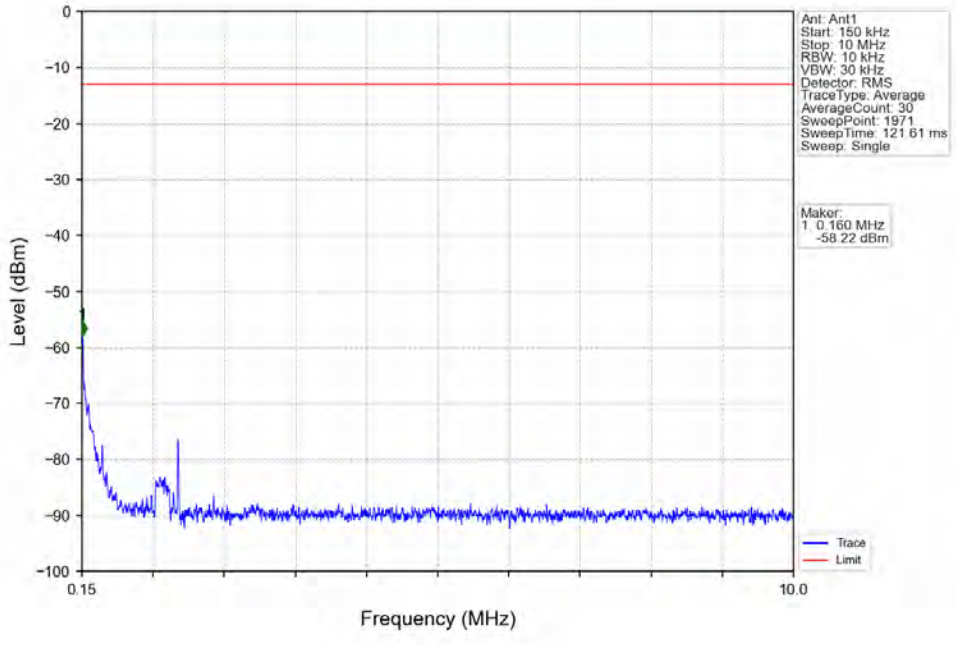
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



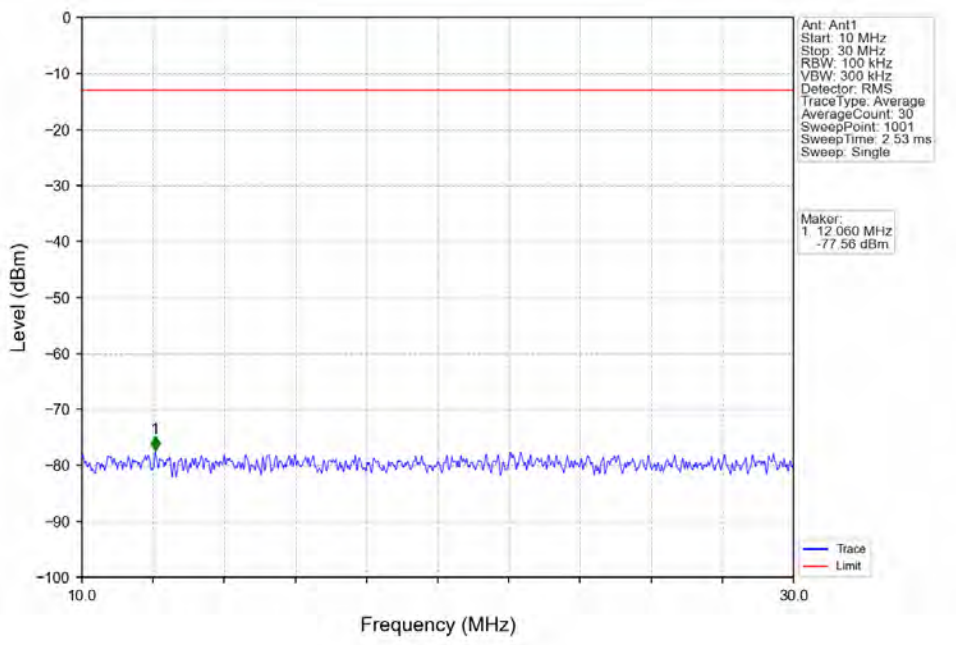
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



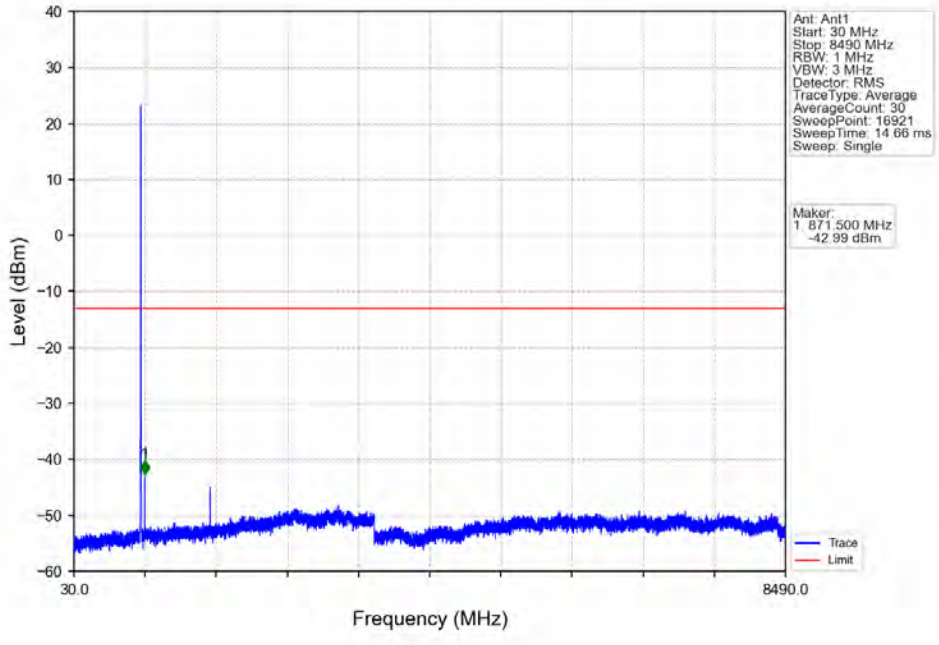
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



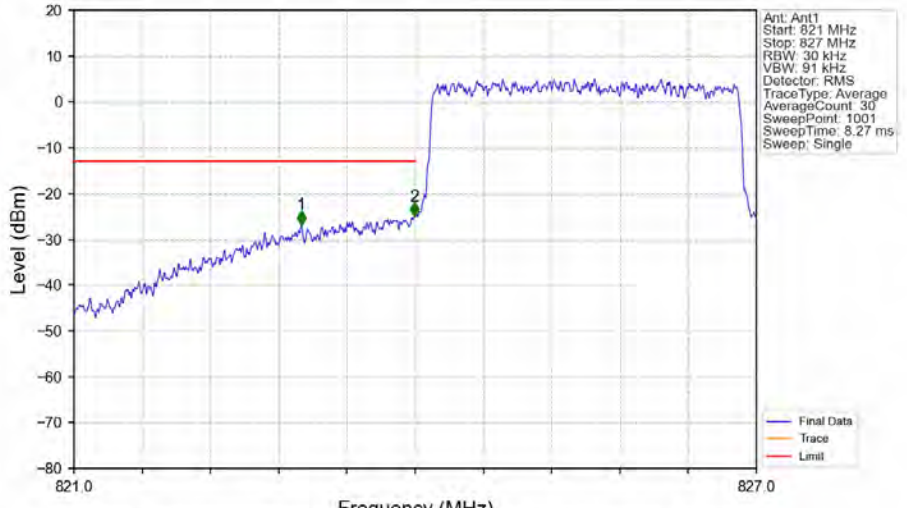
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

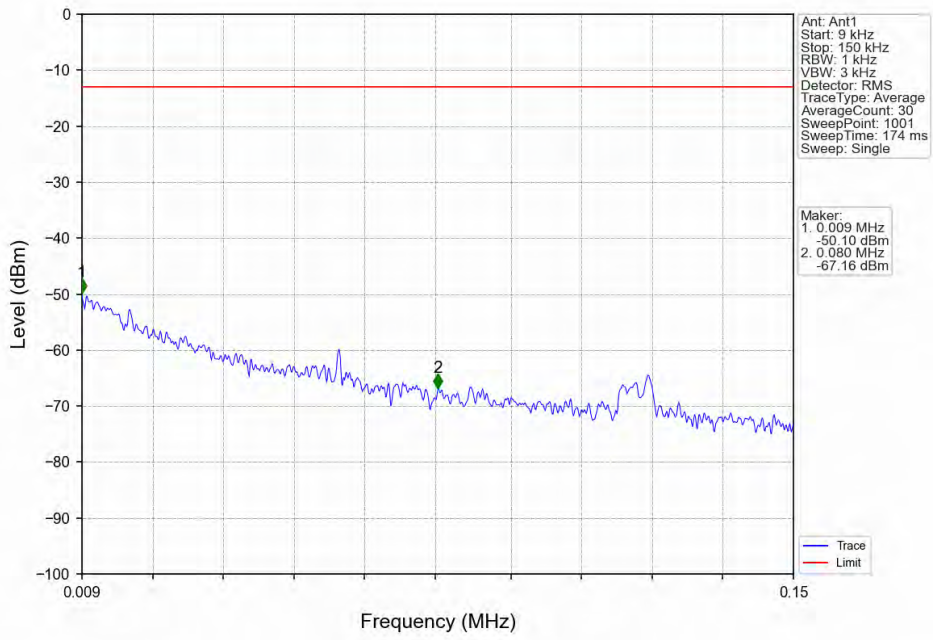


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

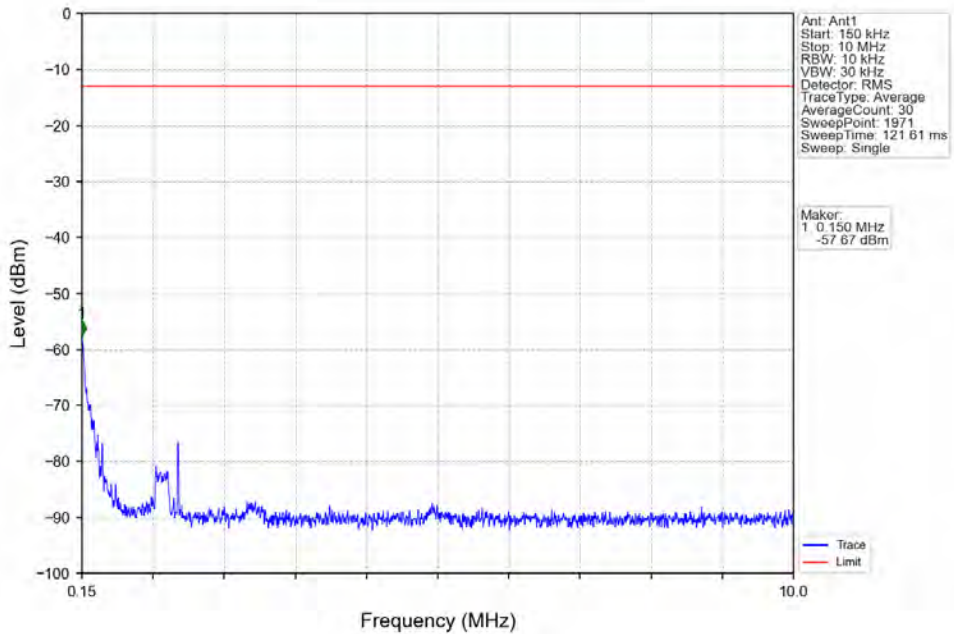


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	/	1	822.998	-26.82	-13	Pass
823	824	0.03	/	2	823.994	-24.92	-13	Pass
824	827	0.03	/	/	/	/	/	/

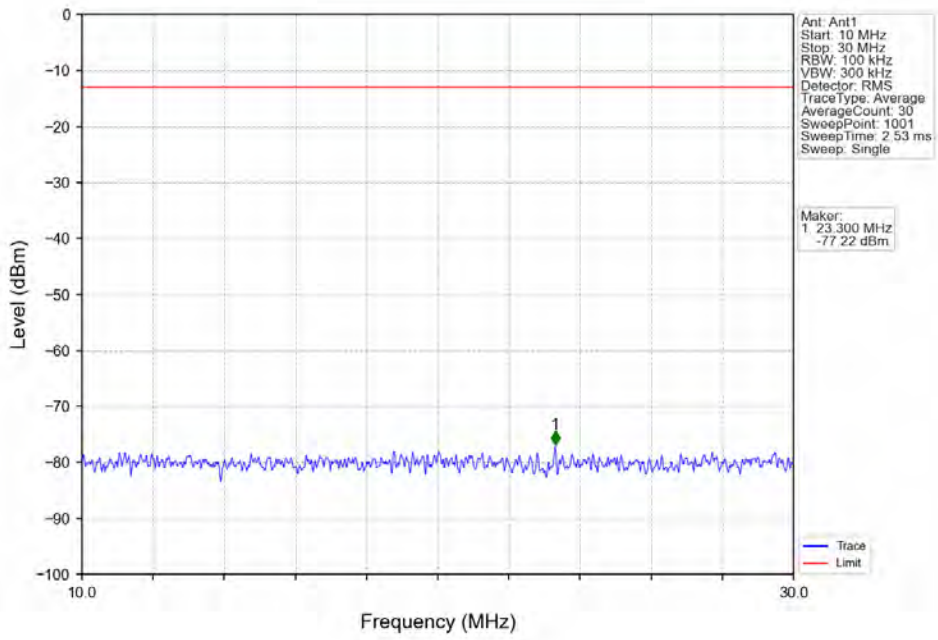
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



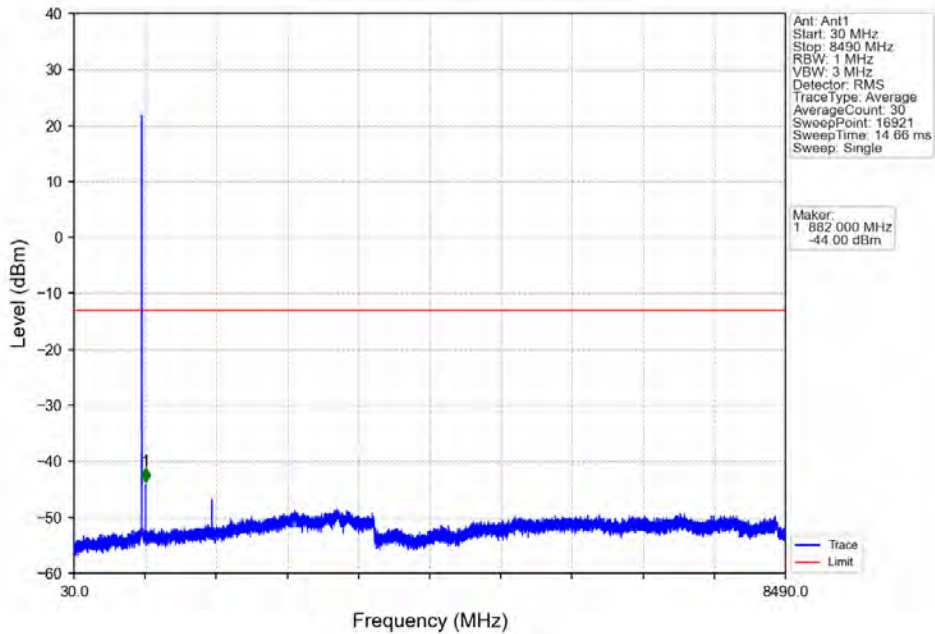
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



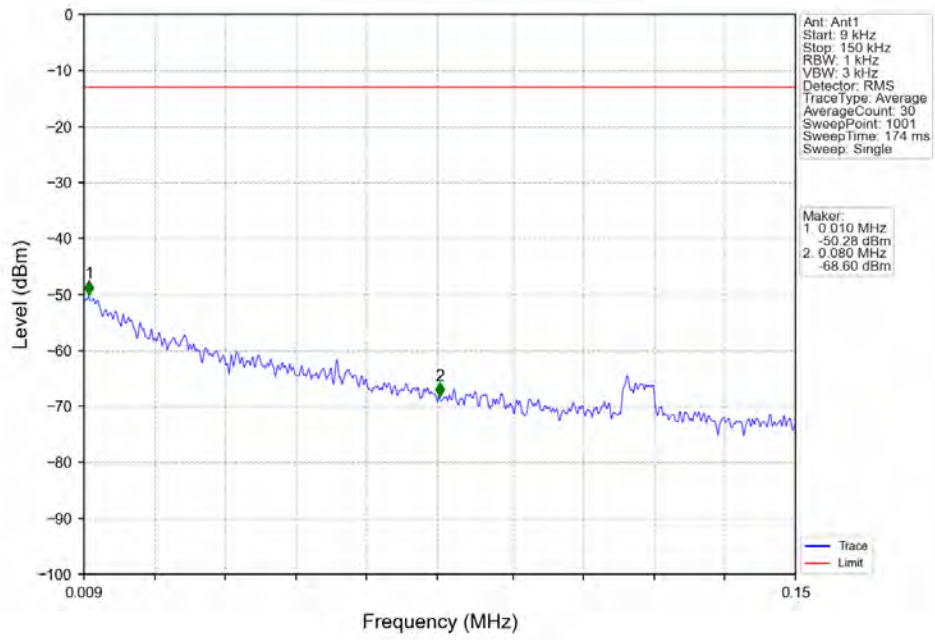
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



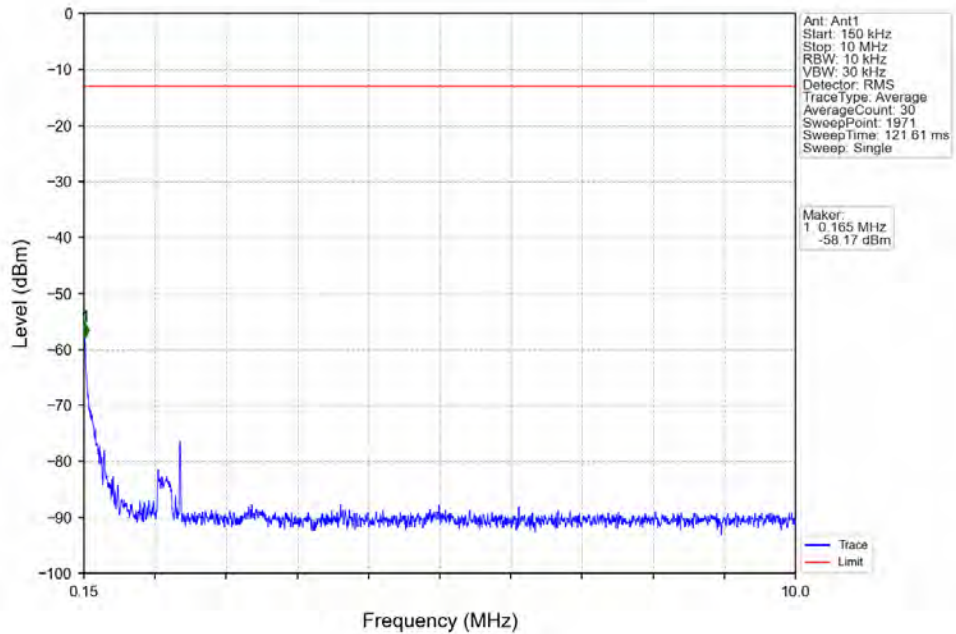
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



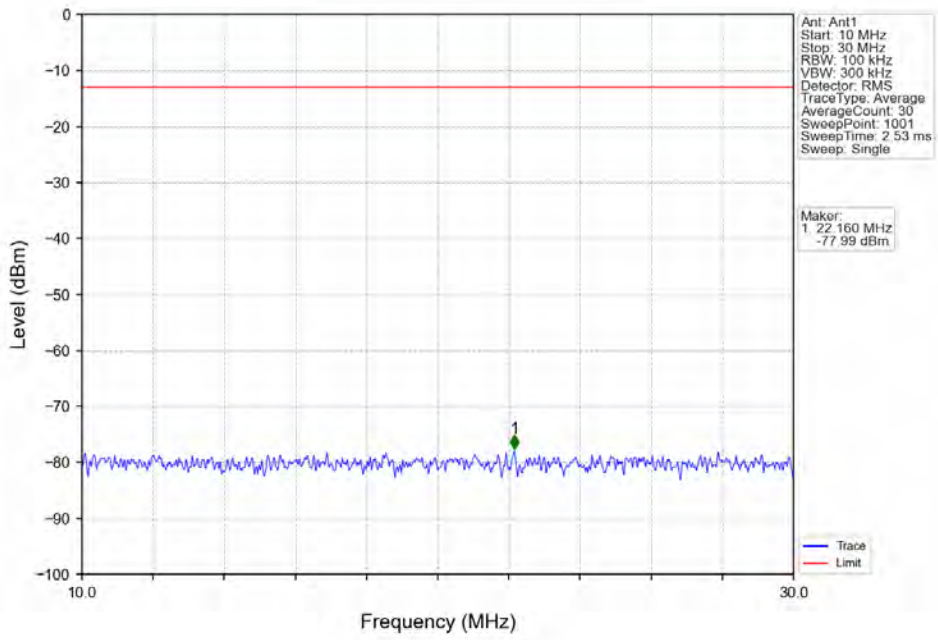
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



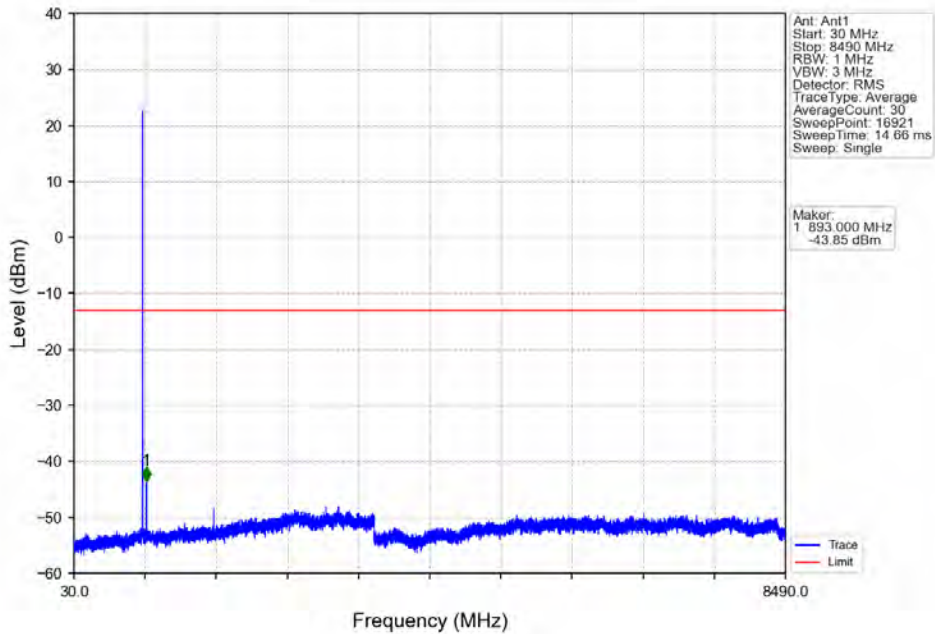
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



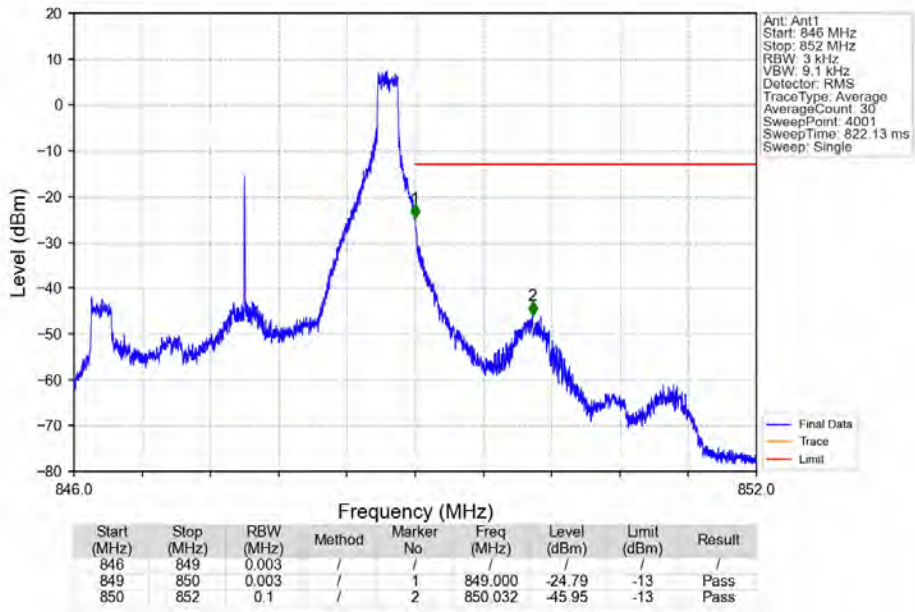
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



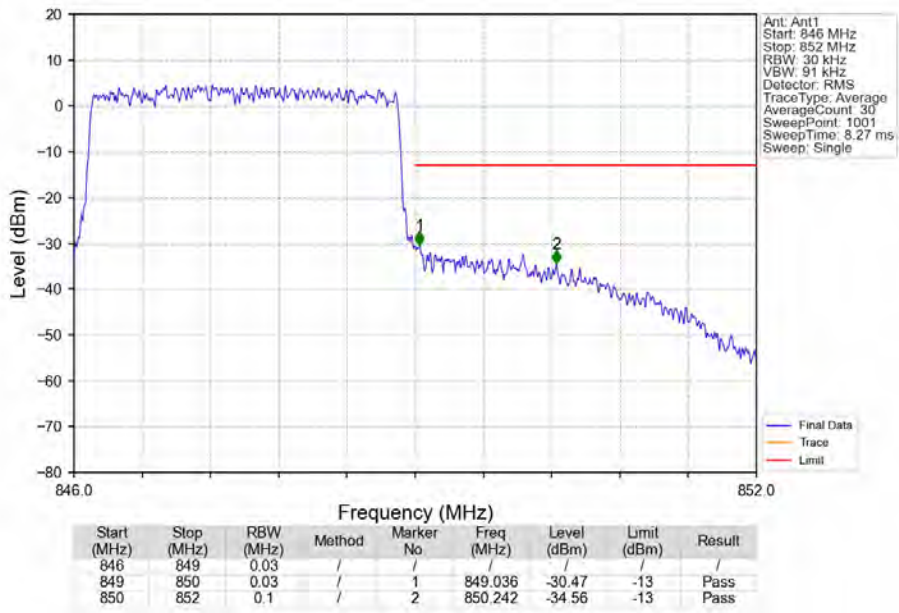
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

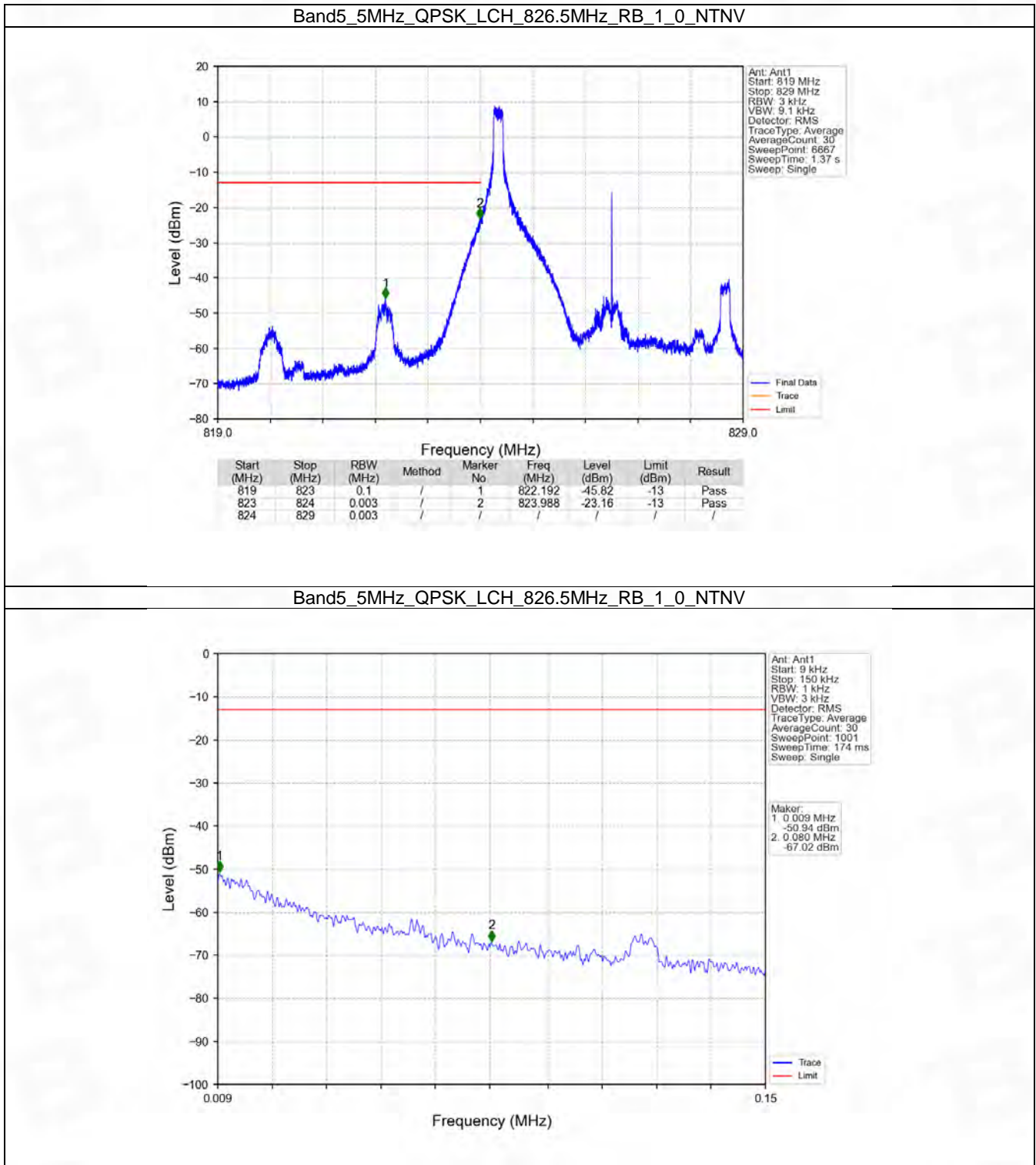


6.3 B5_5MHz

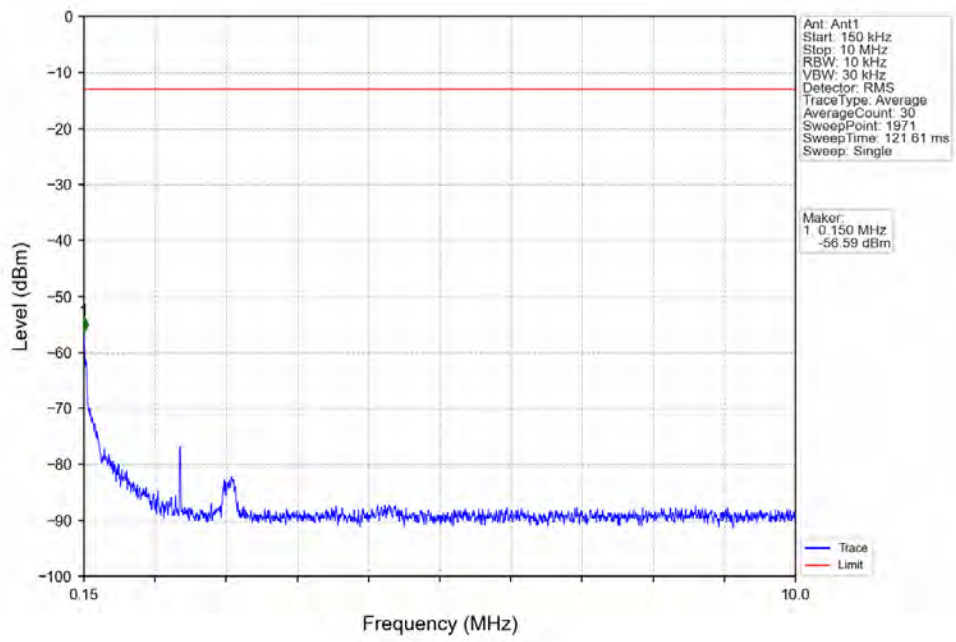
6.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

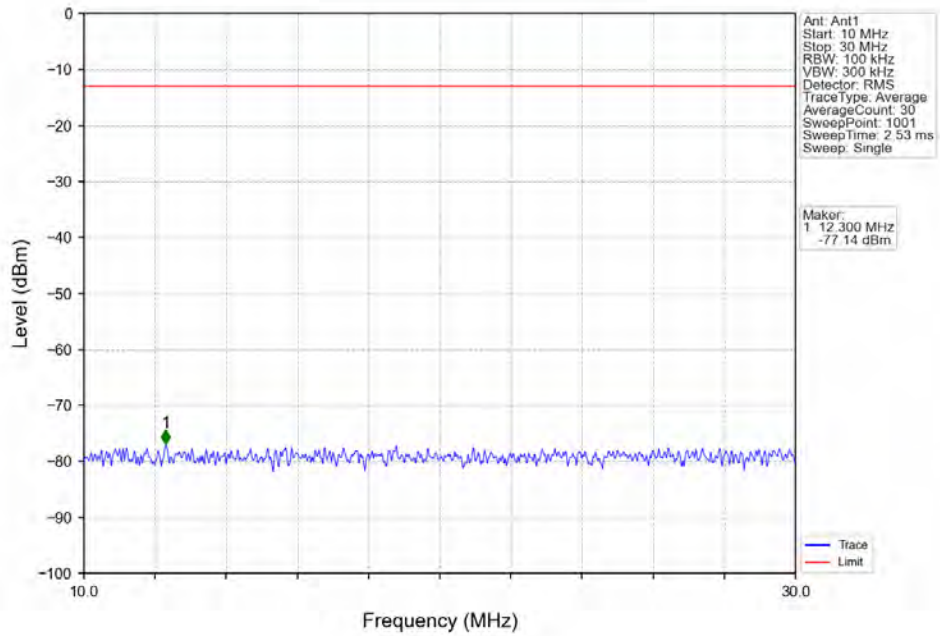
6.3.2 Test Graph



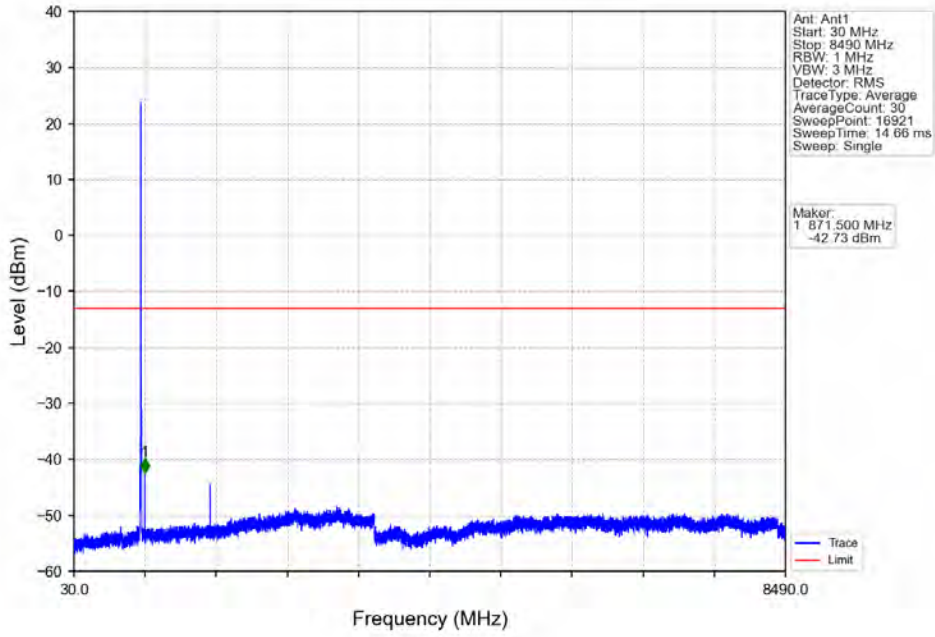
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



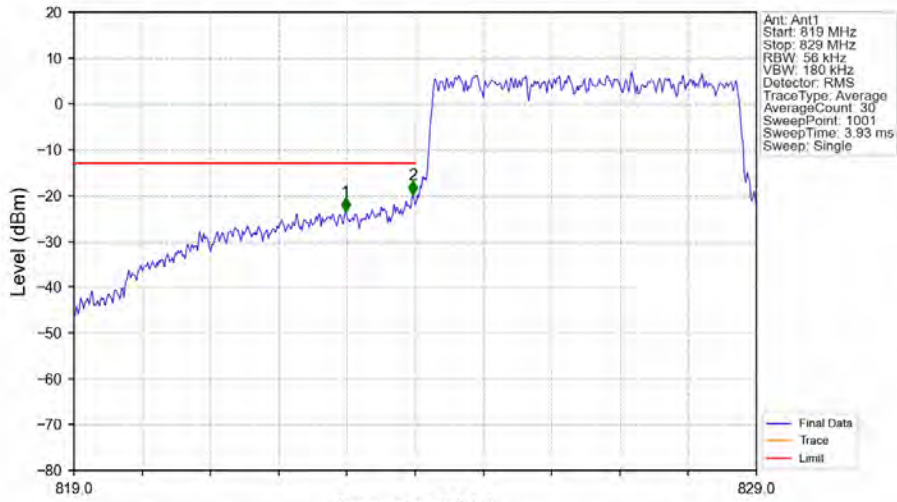
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

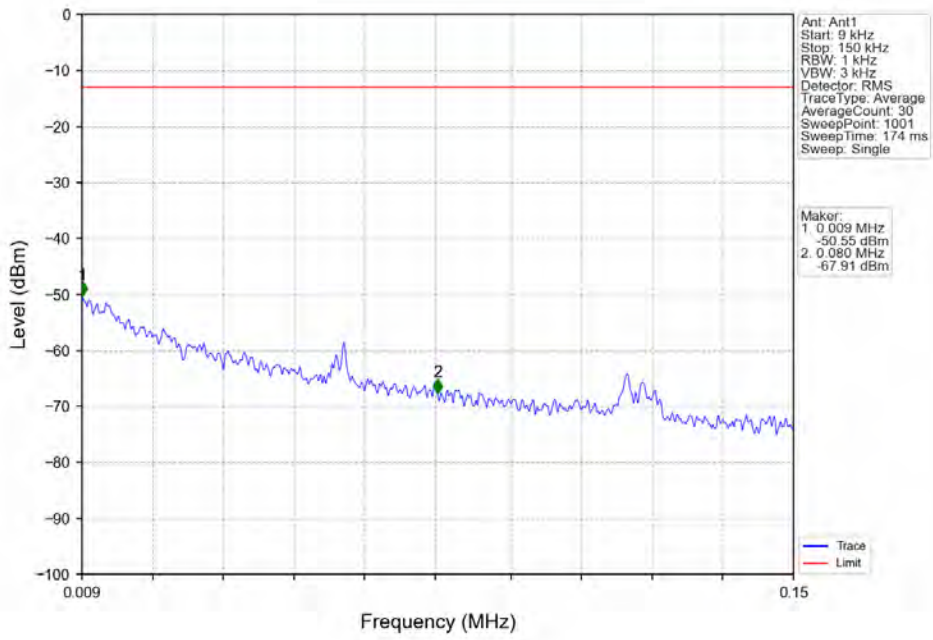


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

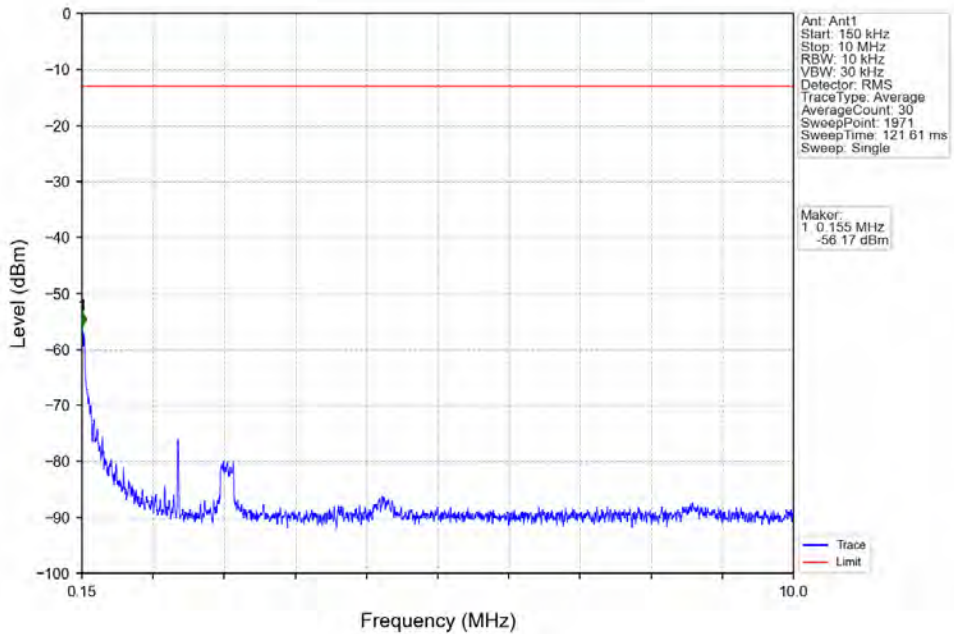


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.980	-23.51	-13	Pass
823	824	0.056	/	2	823.970	-19.82	-13	Pass
824	829	0.056	/	/	/	/	/	/

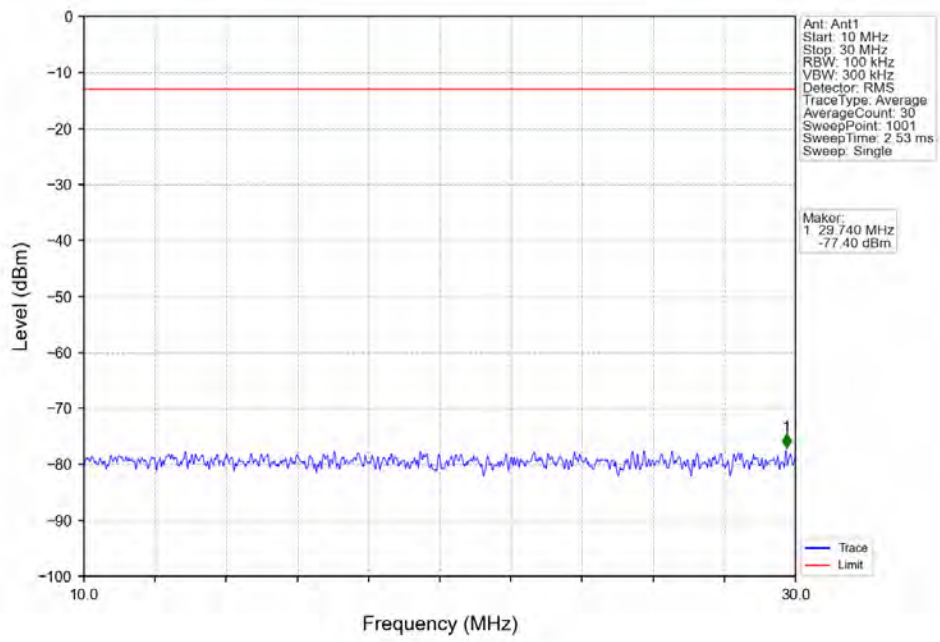
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



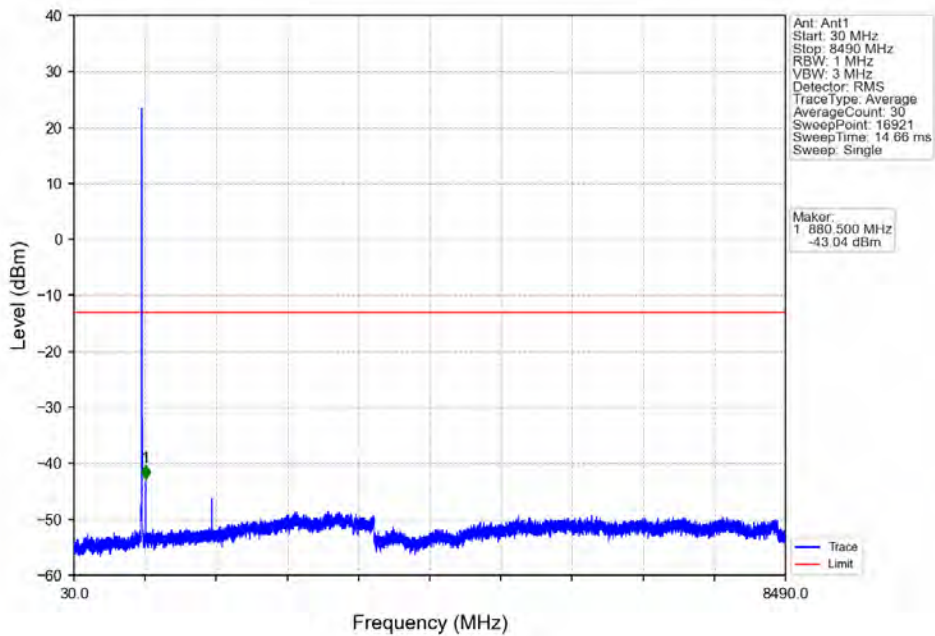
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



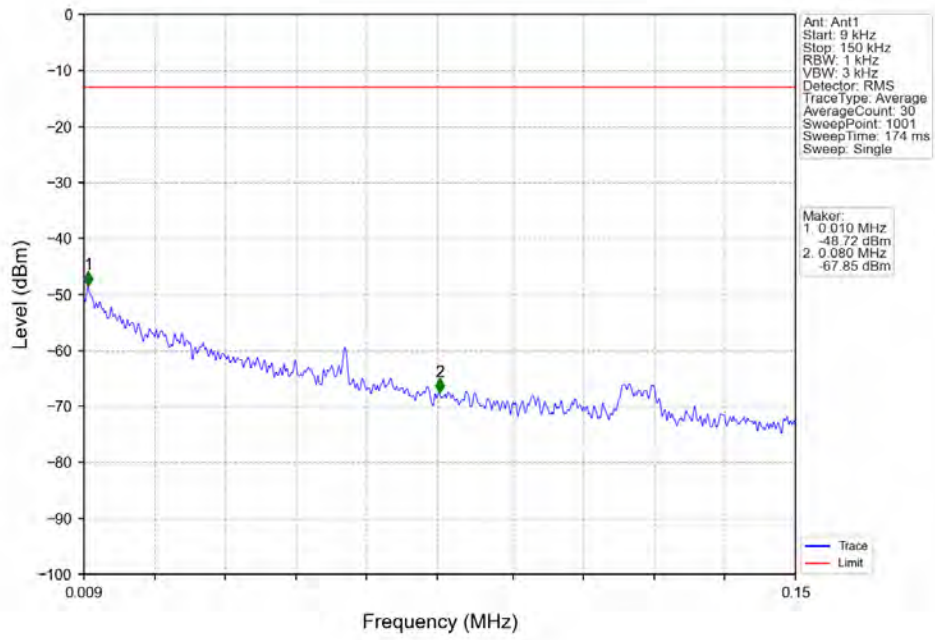
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



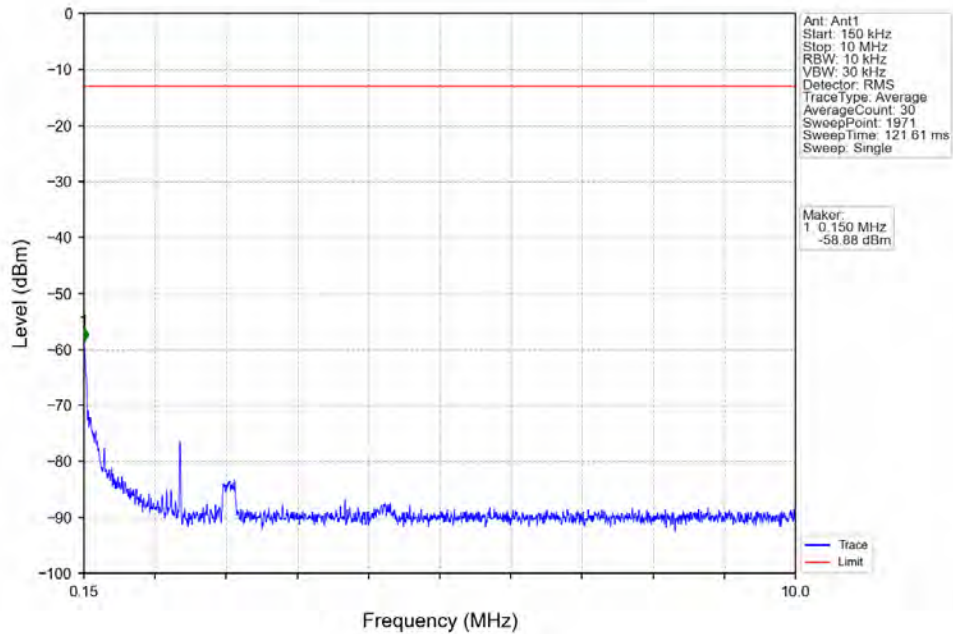
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



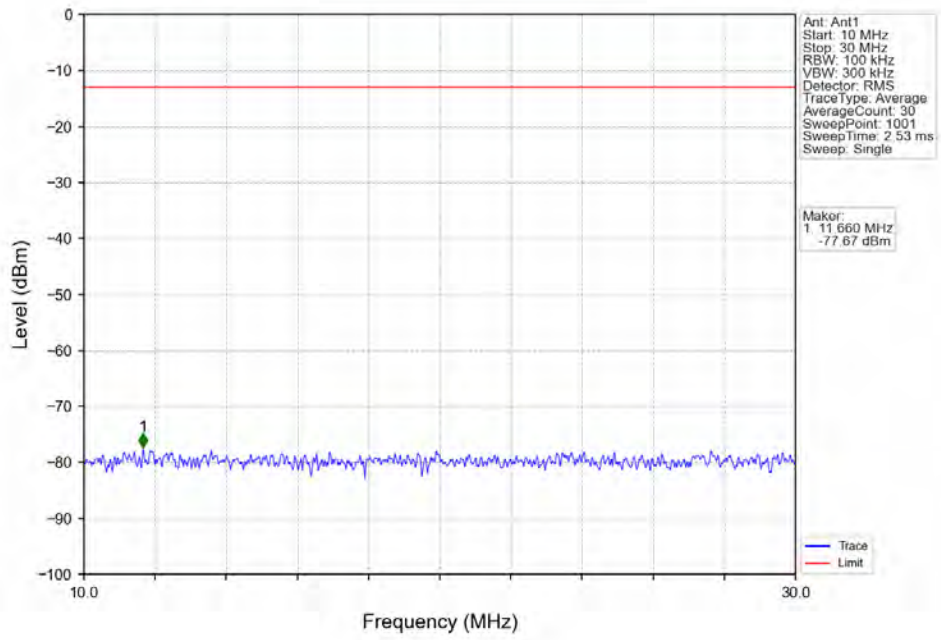
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



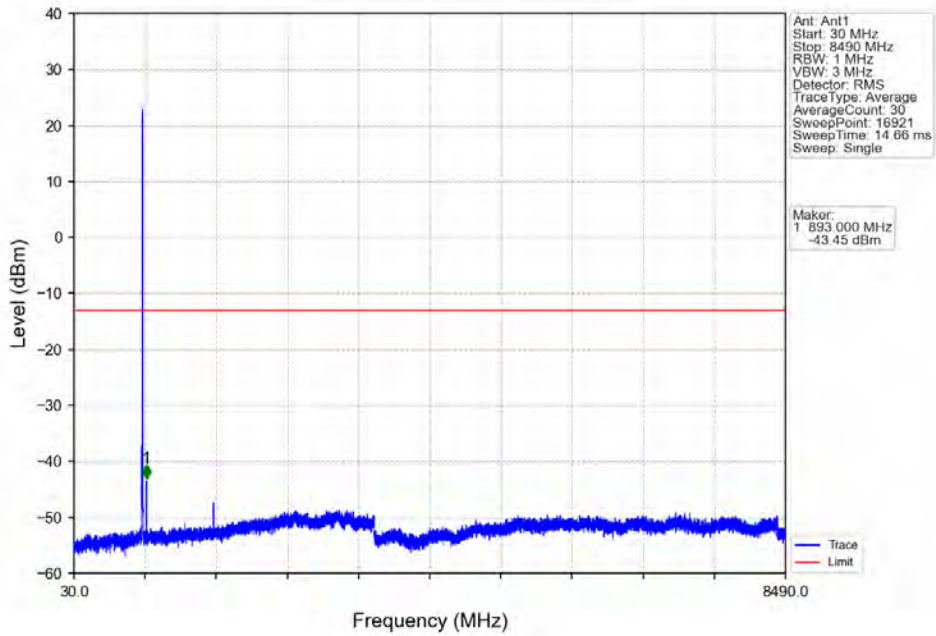
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



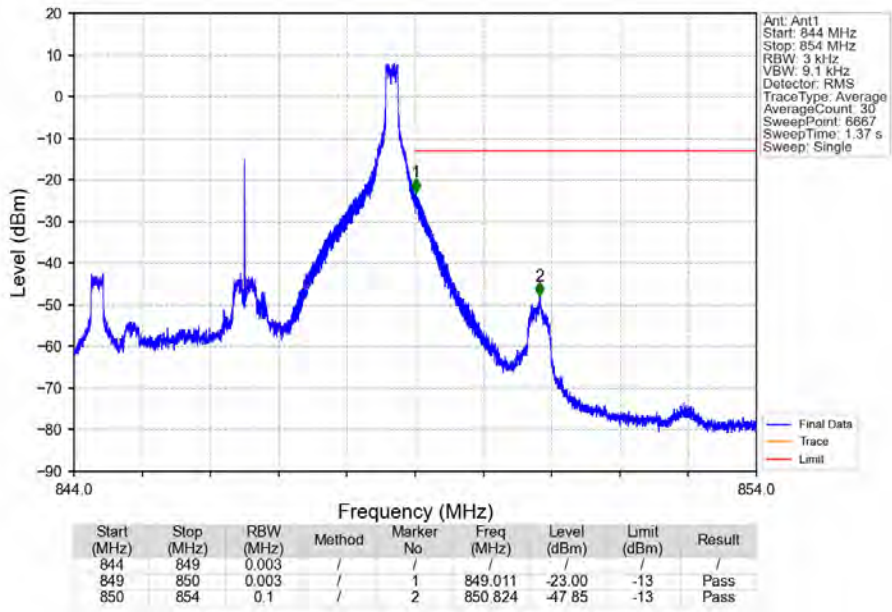
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



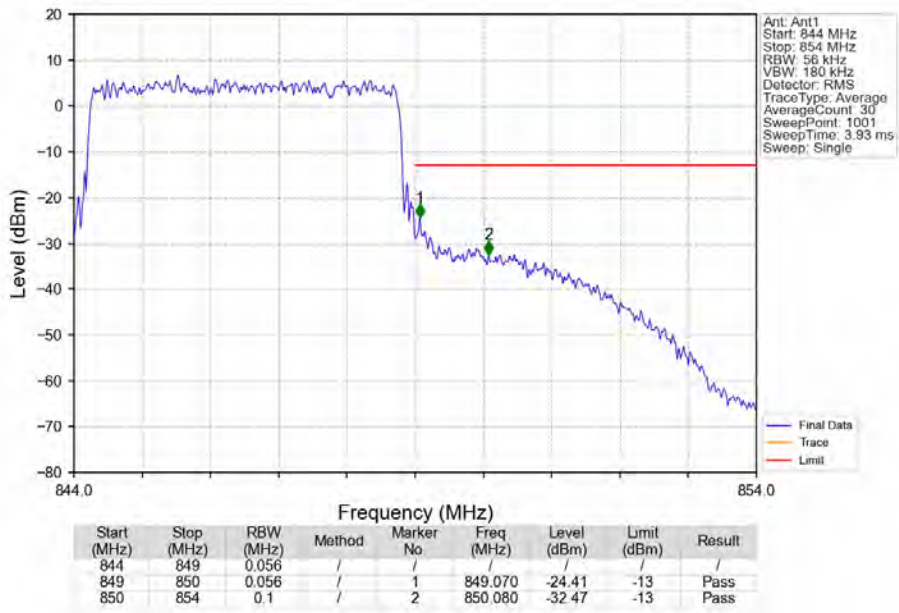
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



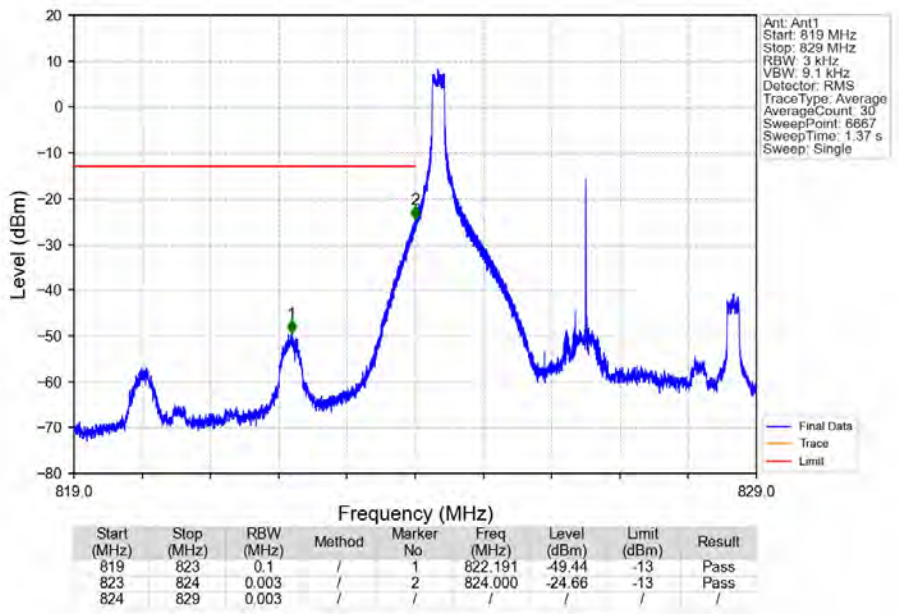
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



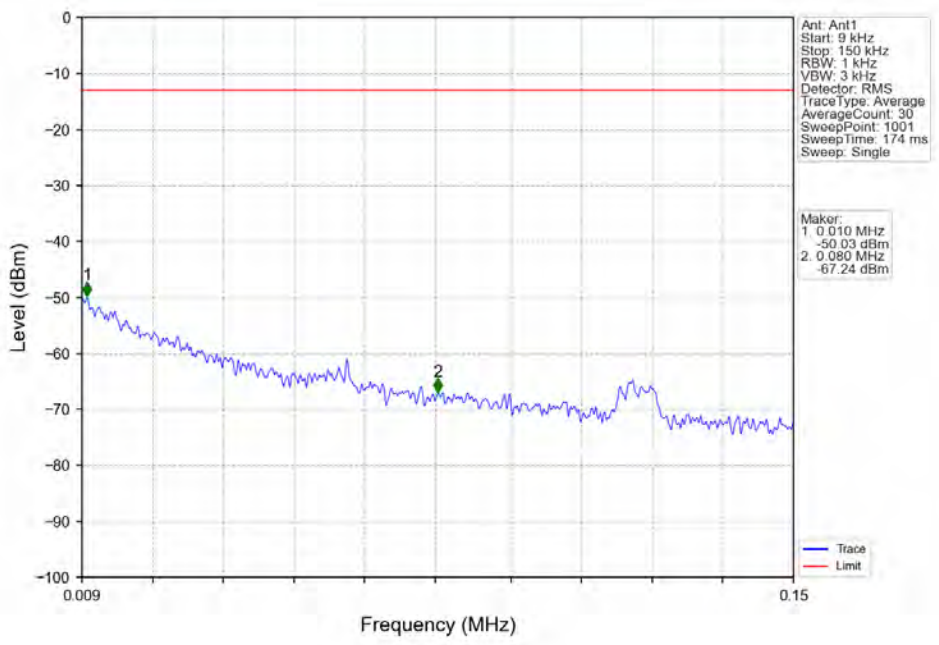
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



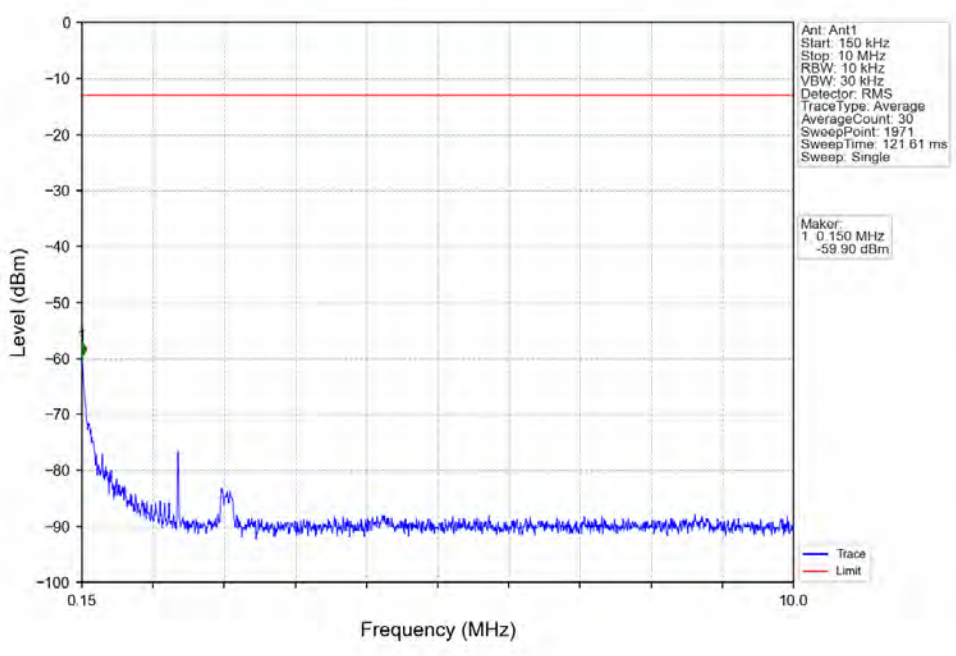
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



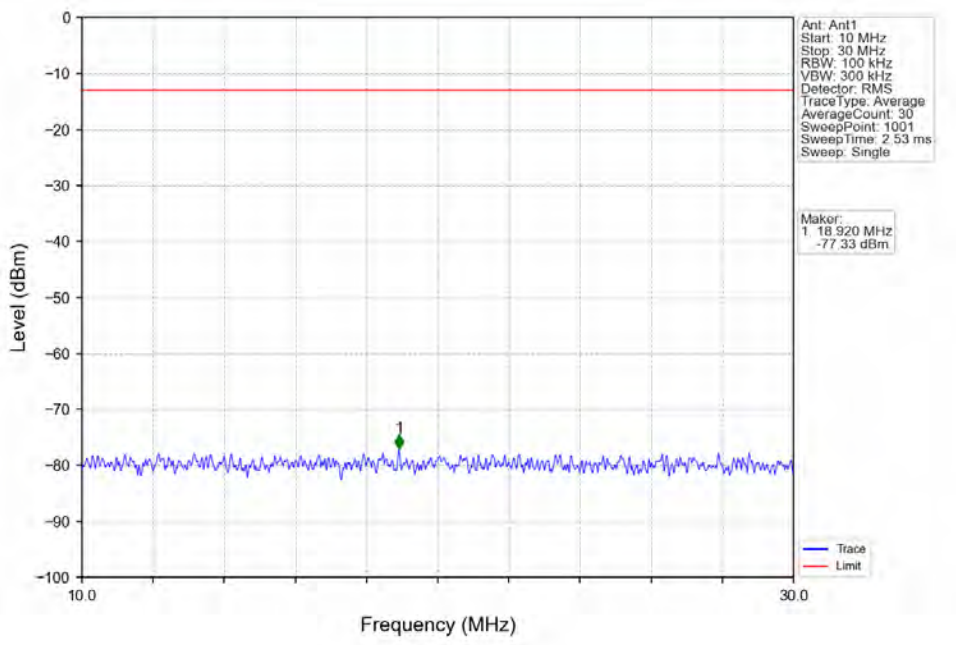
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



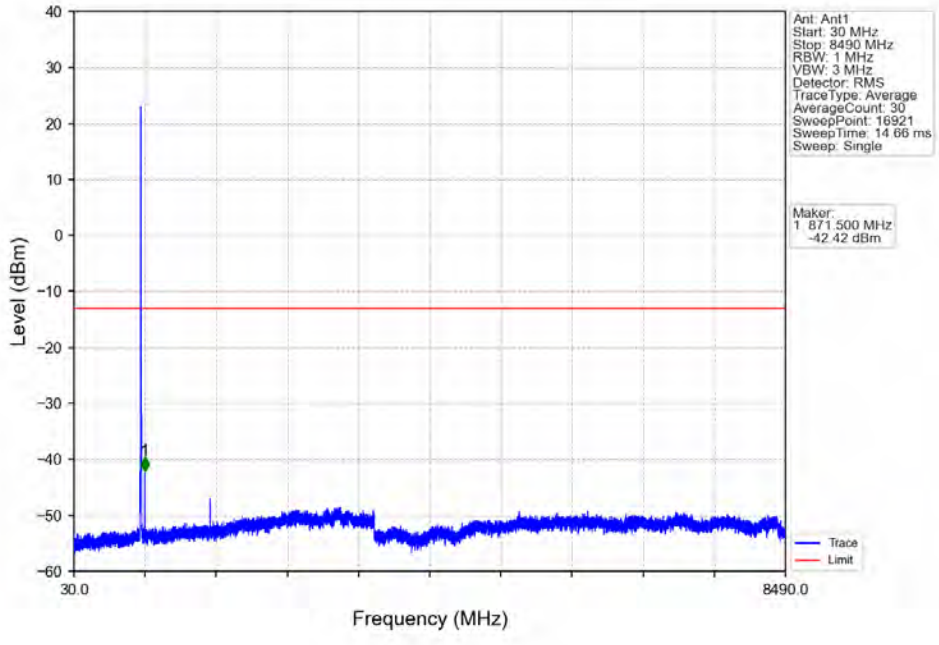
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



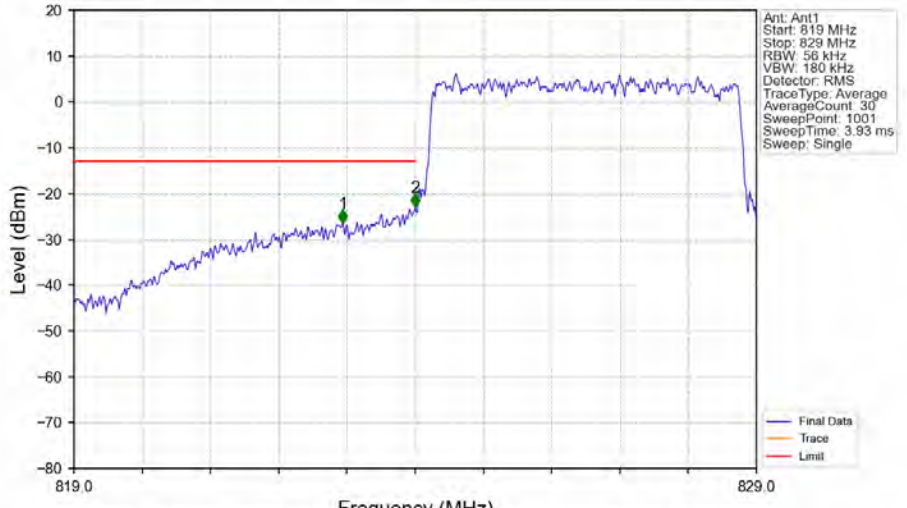
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

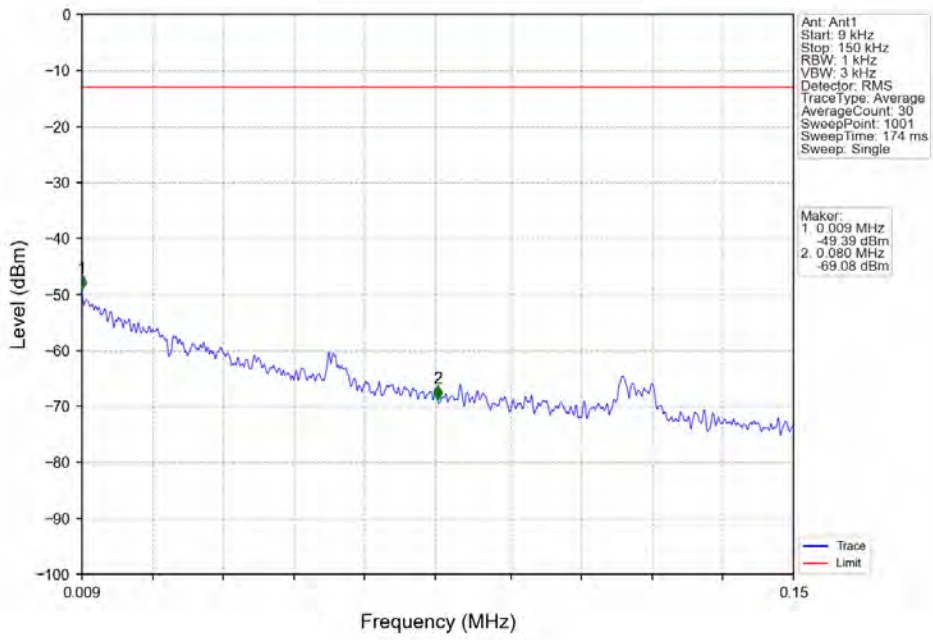


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

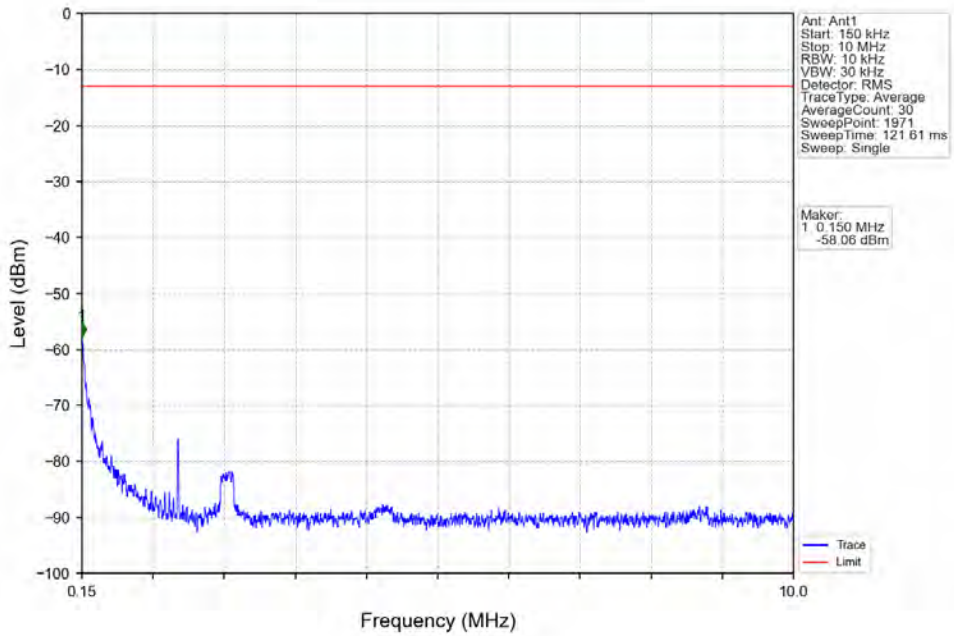


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.940	-26.56	-13	Pass
823	824	0.056	/	2	824.000	-23.11	-13	Pass
824	829	0.056	/	/	/	/	/	/

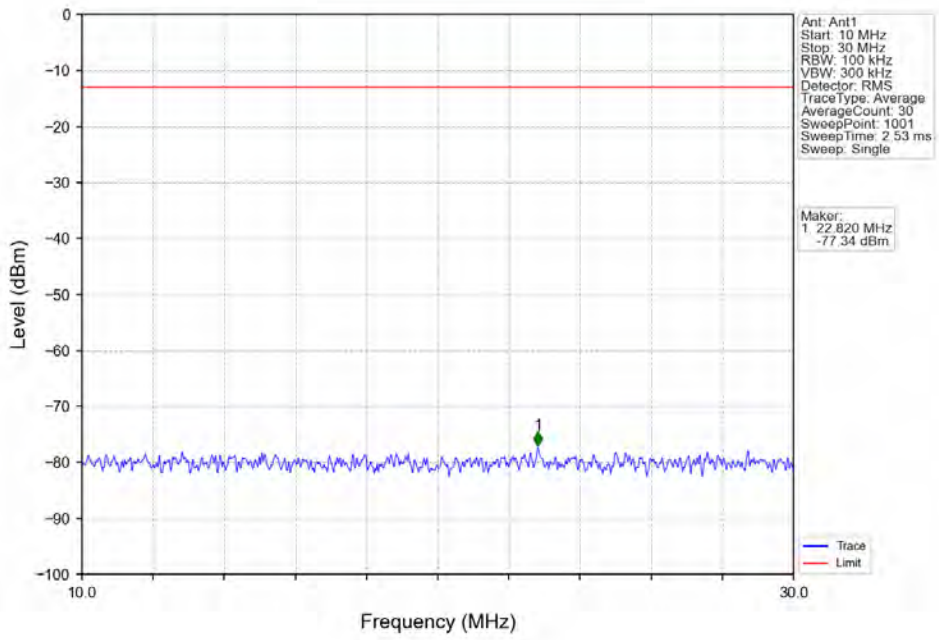
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



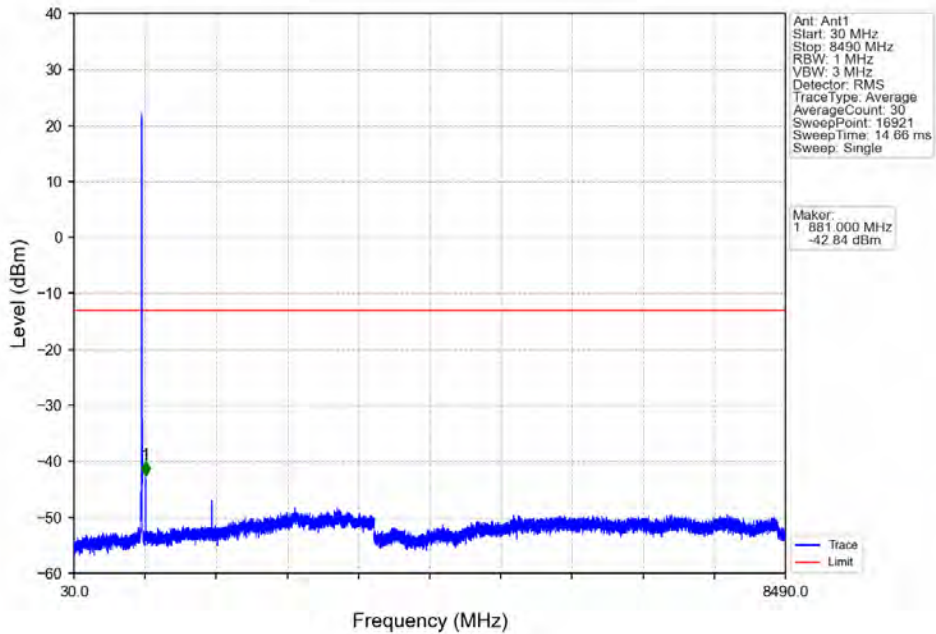
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



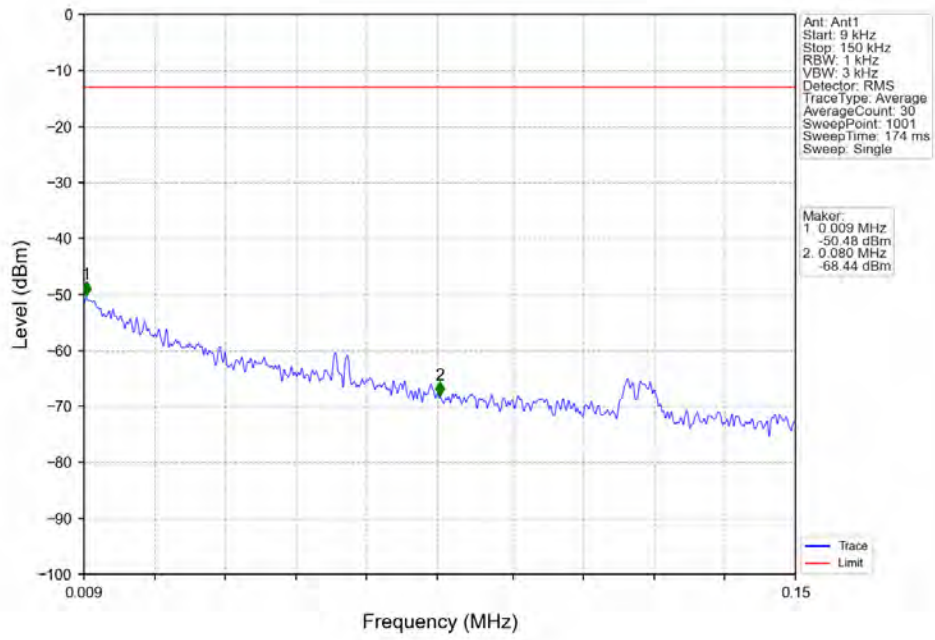
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



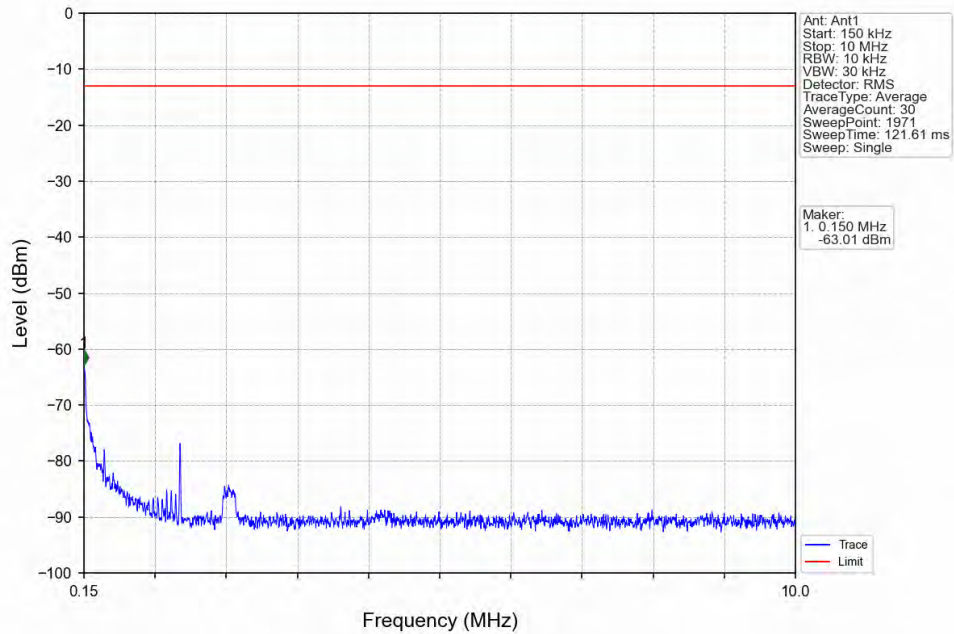
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



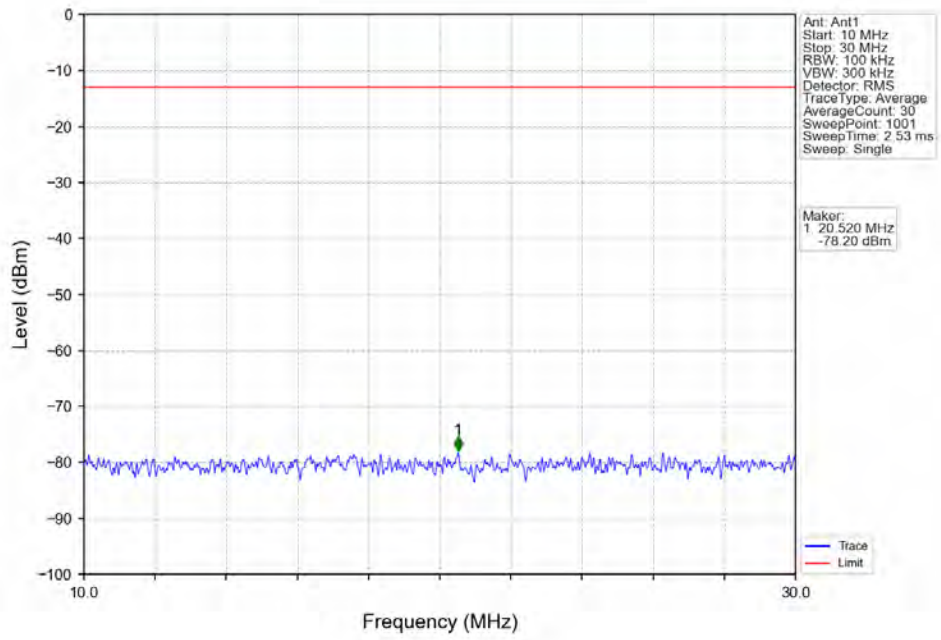
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



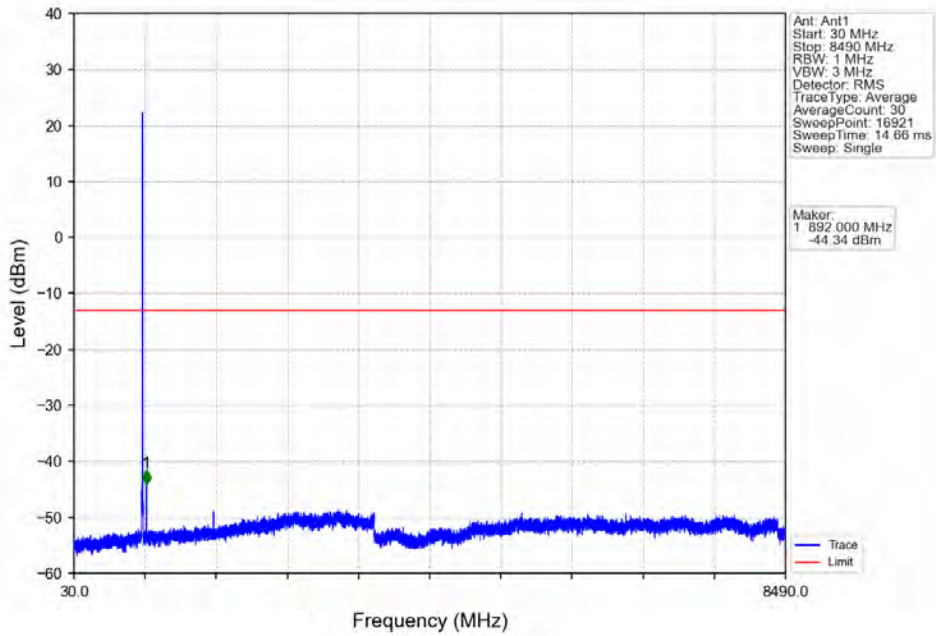
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



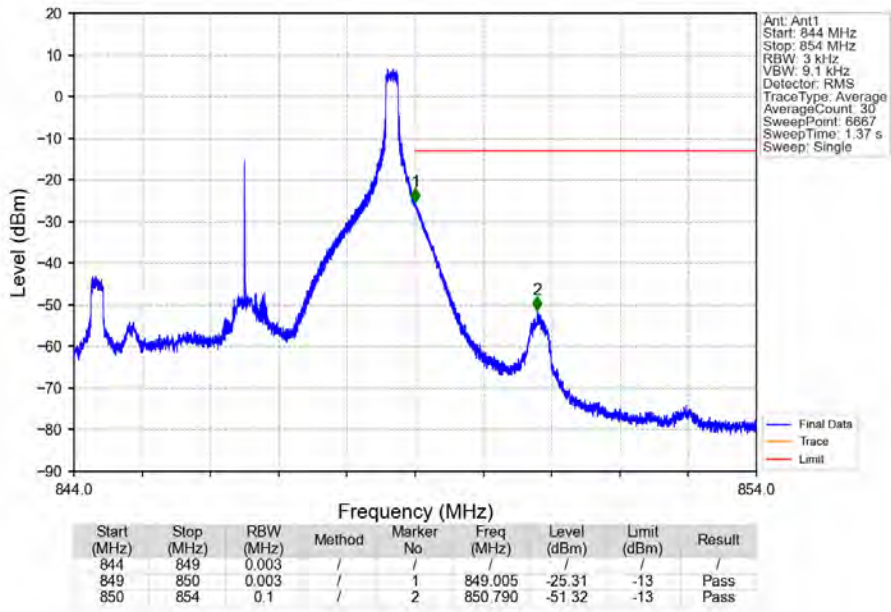
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



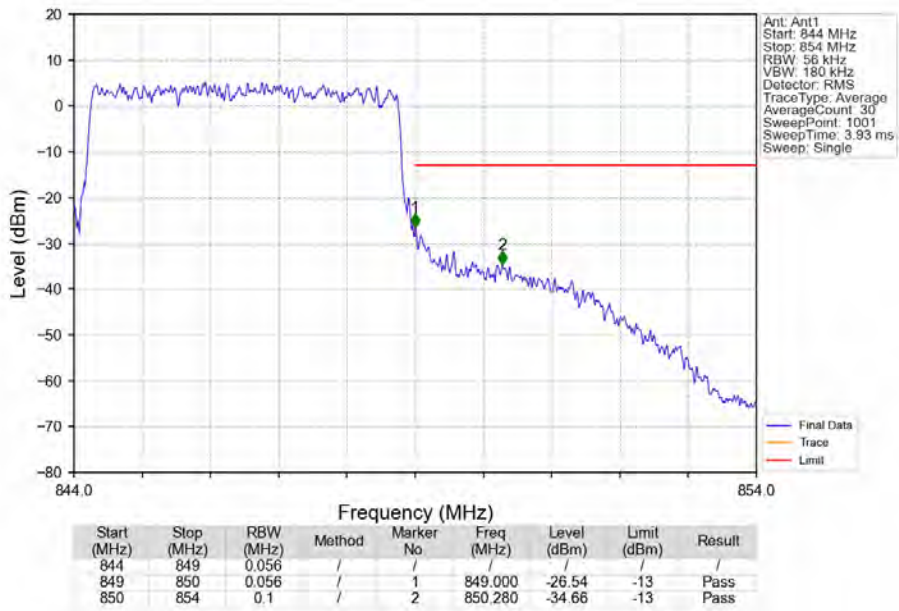
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

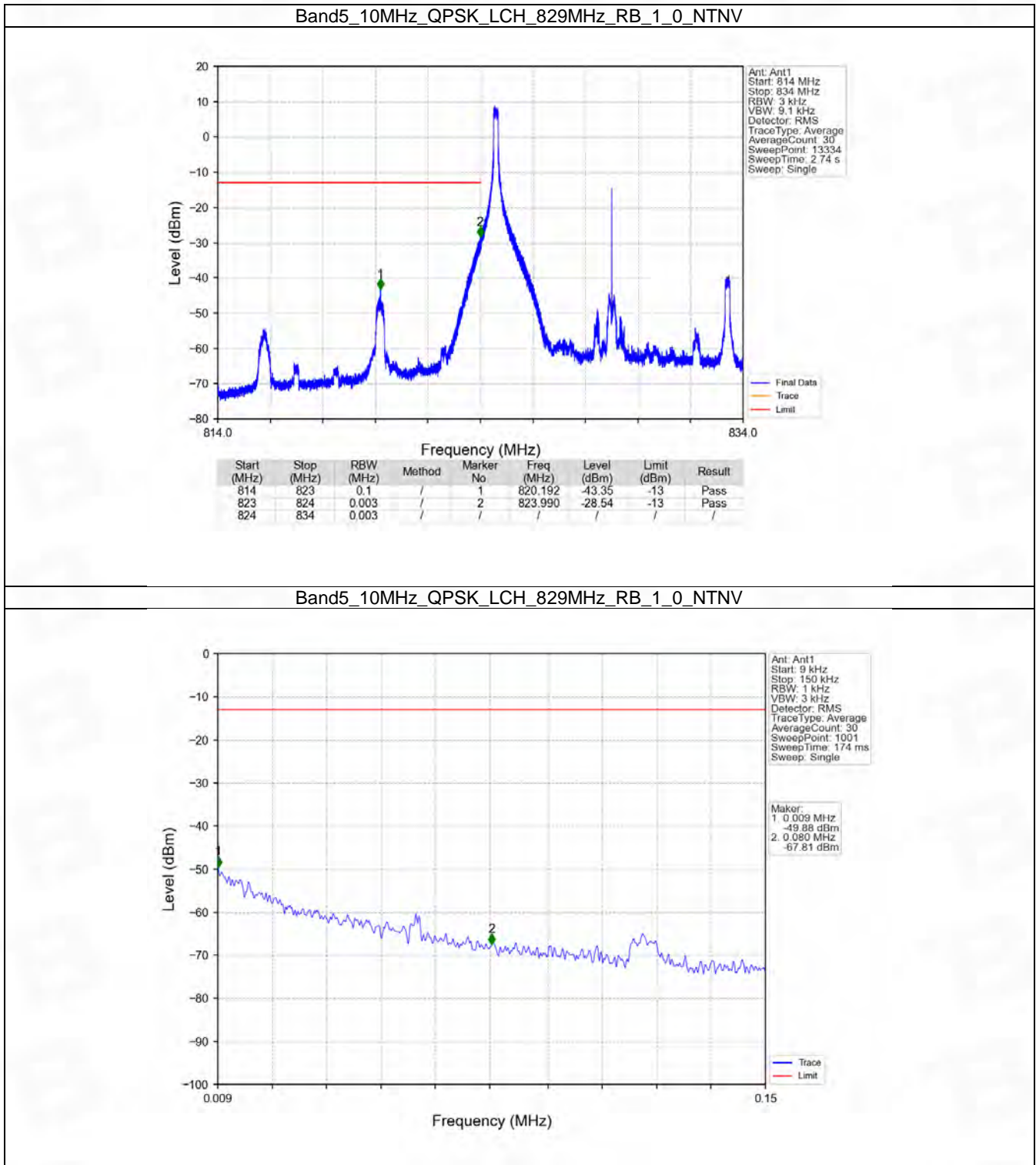


6.4 B5_10MHz

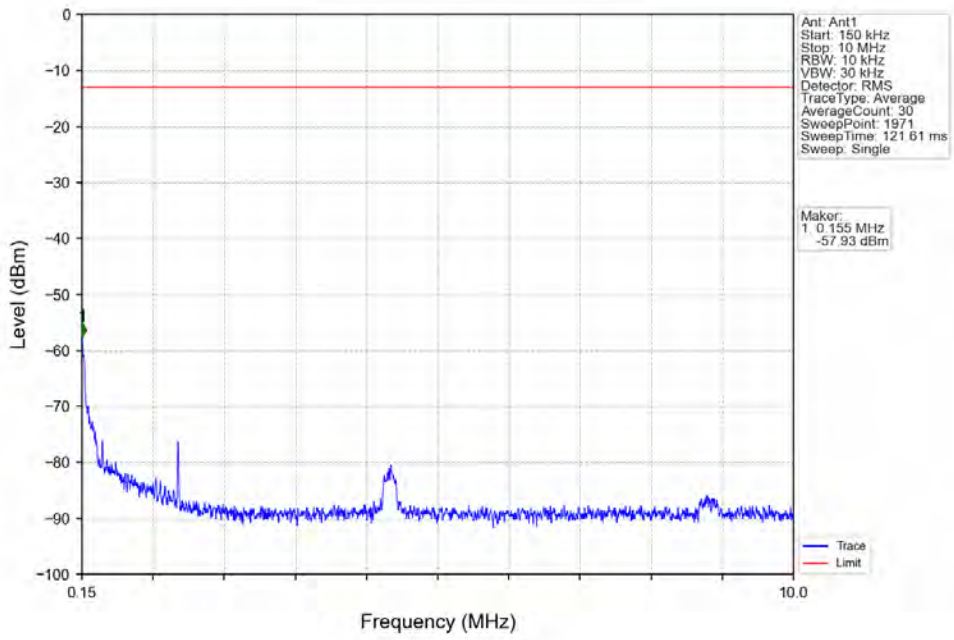
6.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

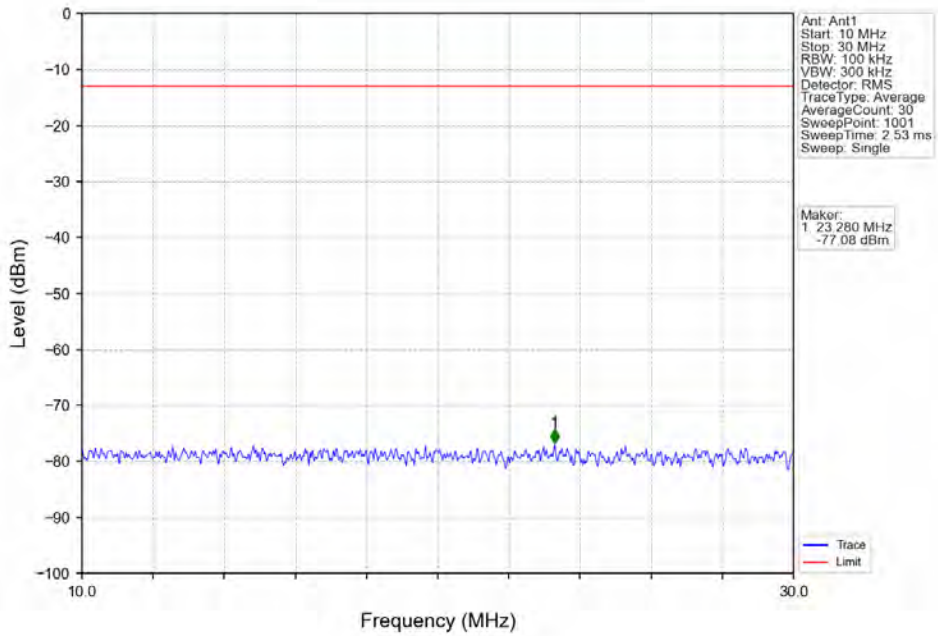
6.4.2 Test Graph



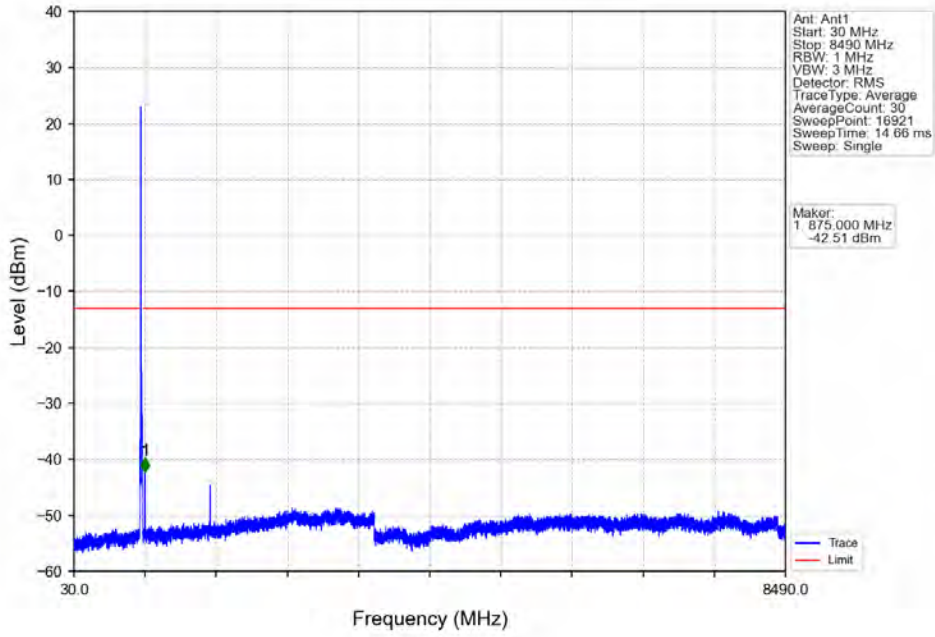
Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV



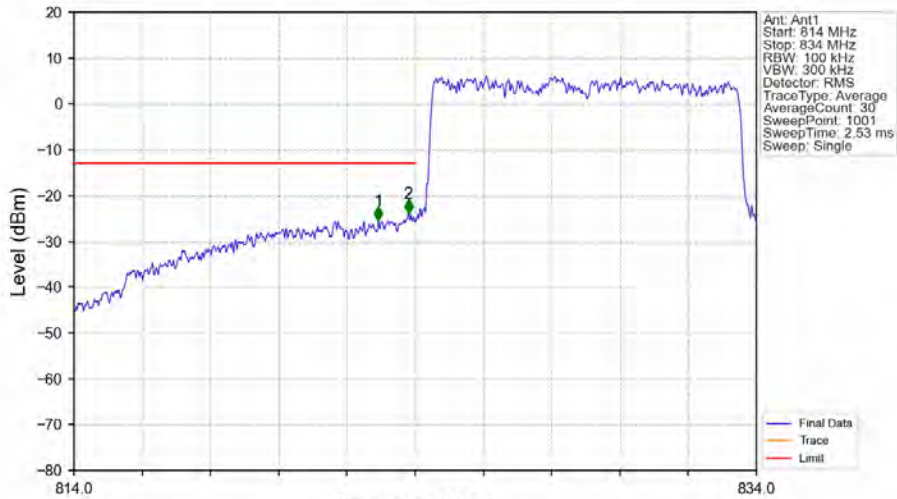
Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

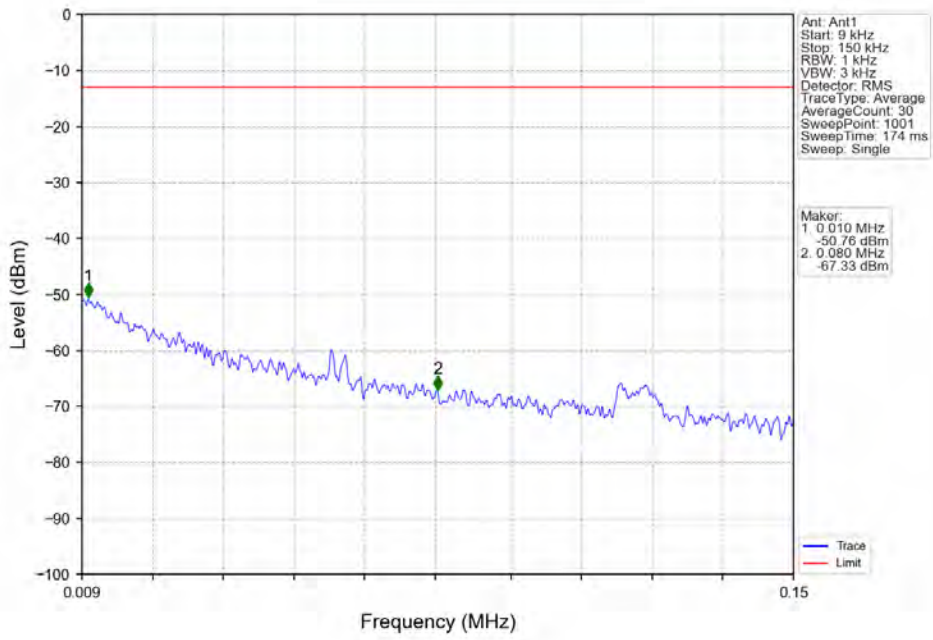


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

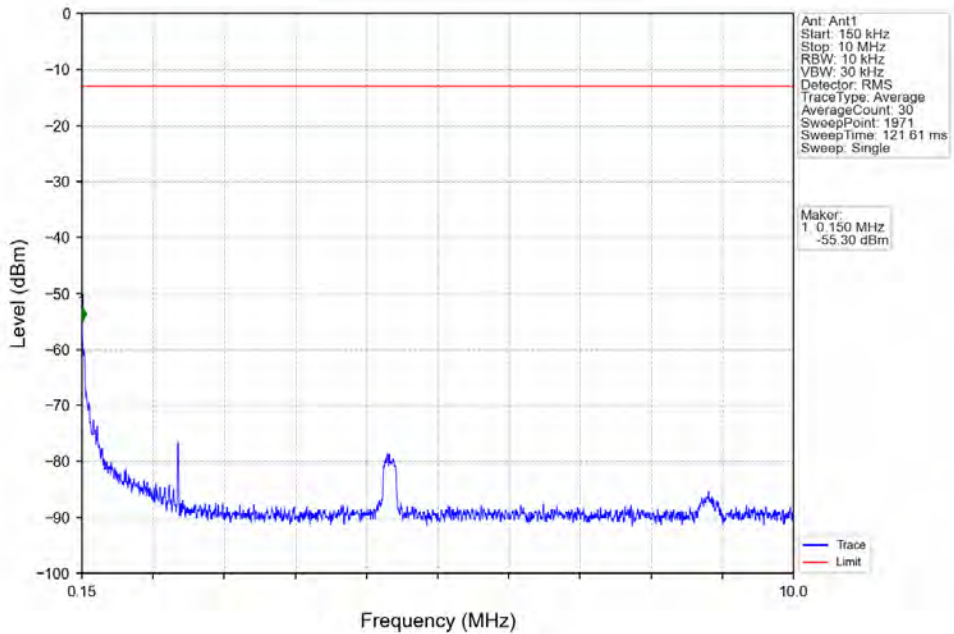


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.920	-25.56	-13	Pass
823	824	0.103	/	2	823.800	-23.97	-13	Pass
824	834	0.103	/	/	/	/	/	/

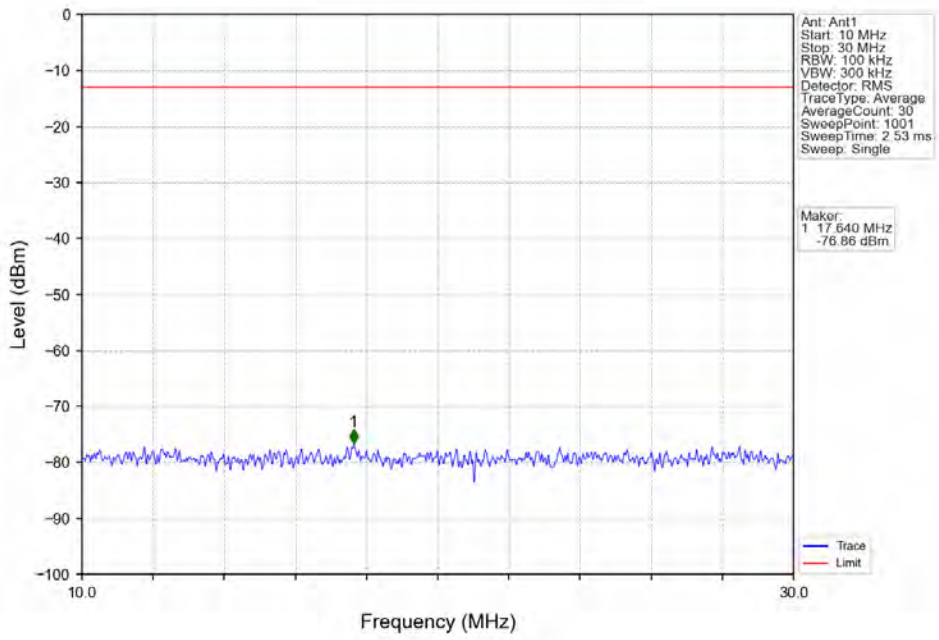
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



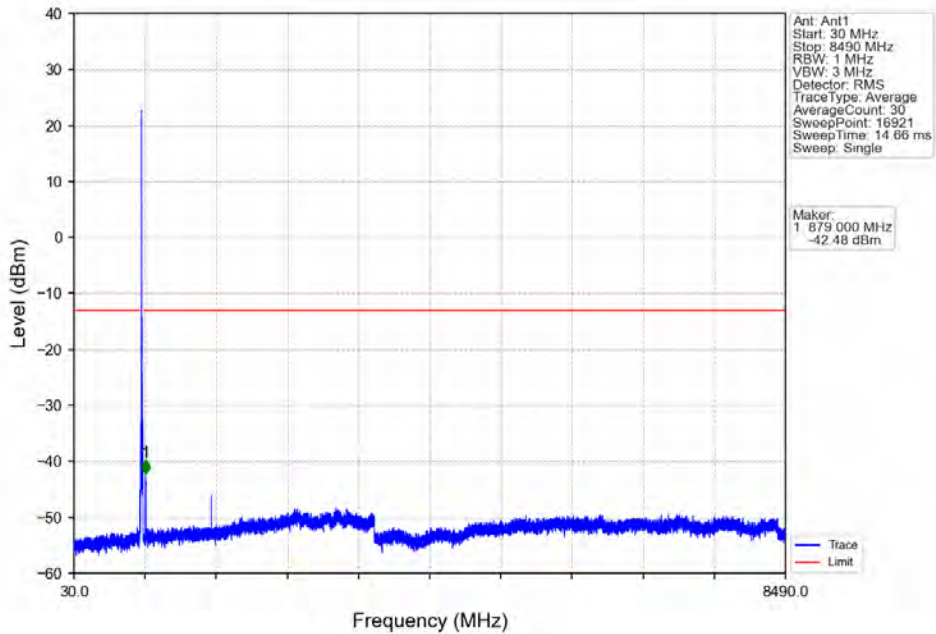
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



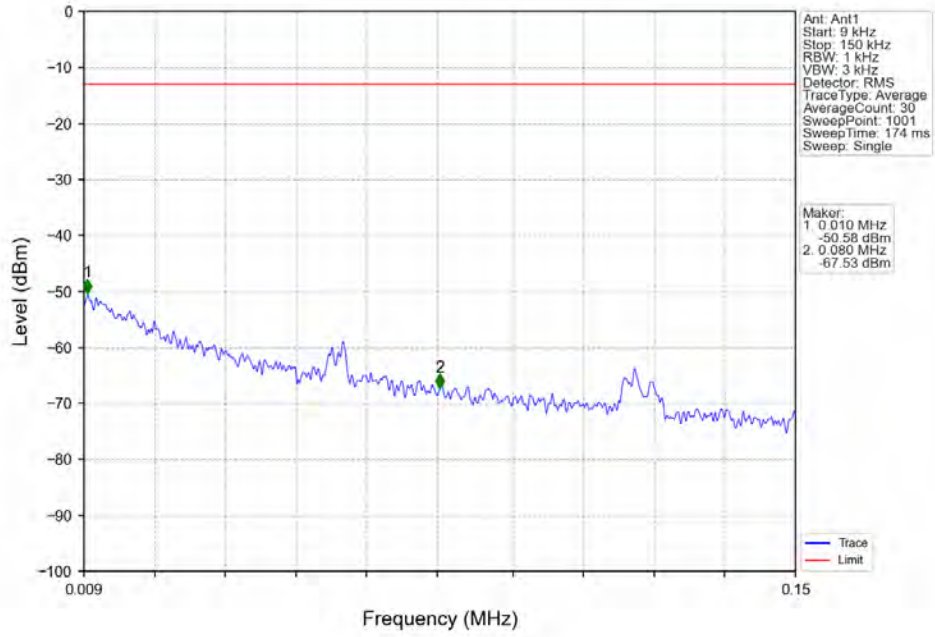
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



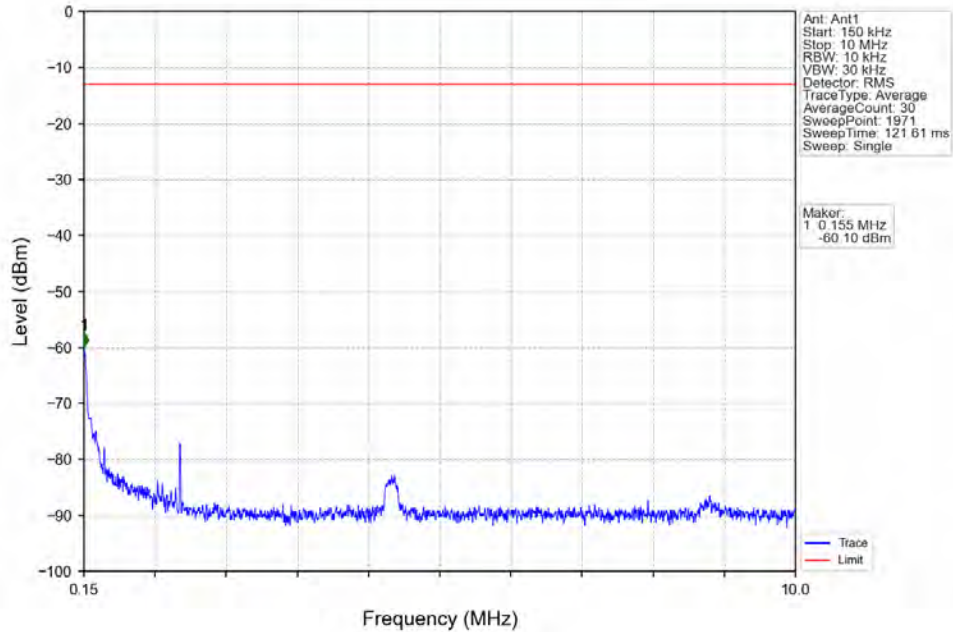
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



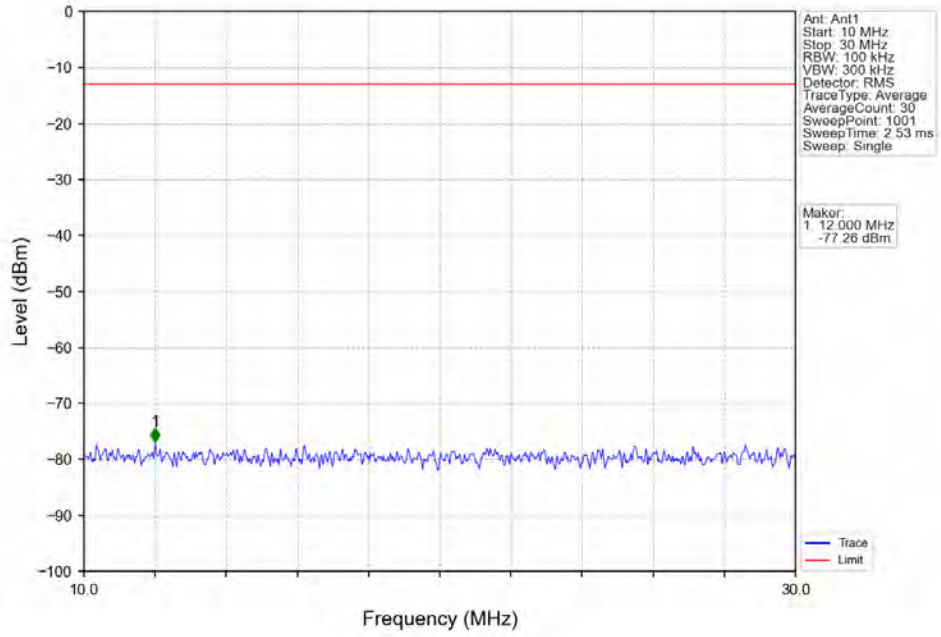
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



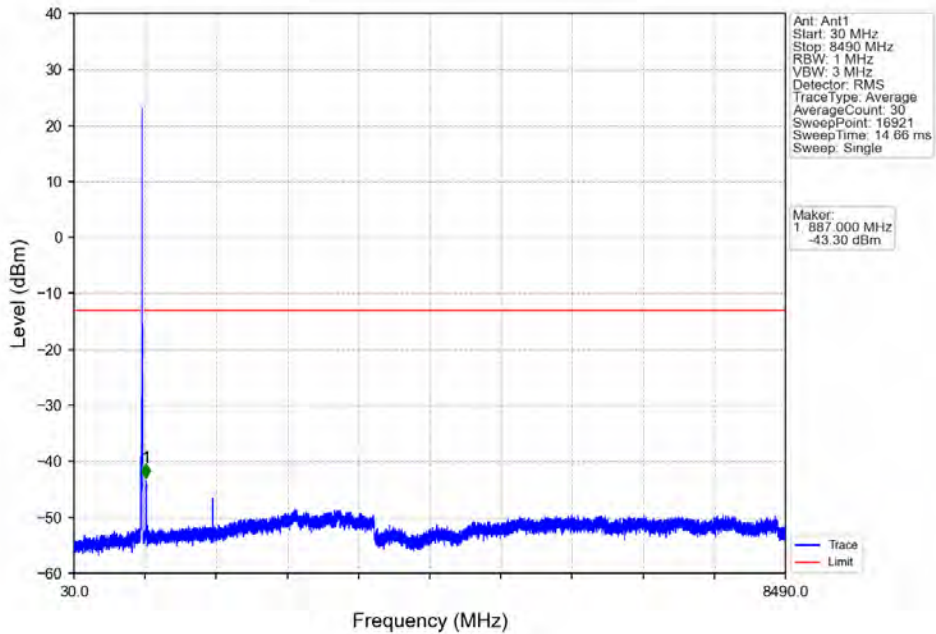
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



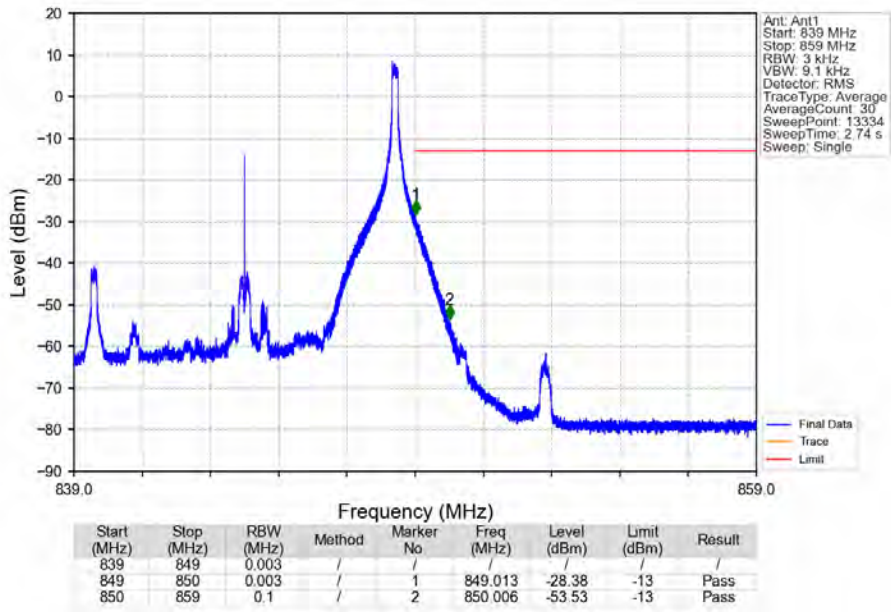
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



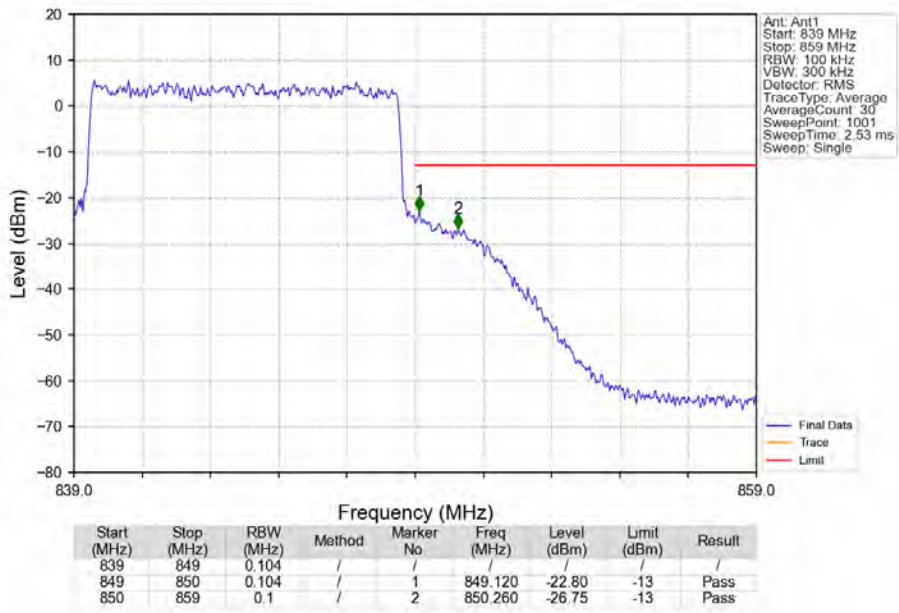
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



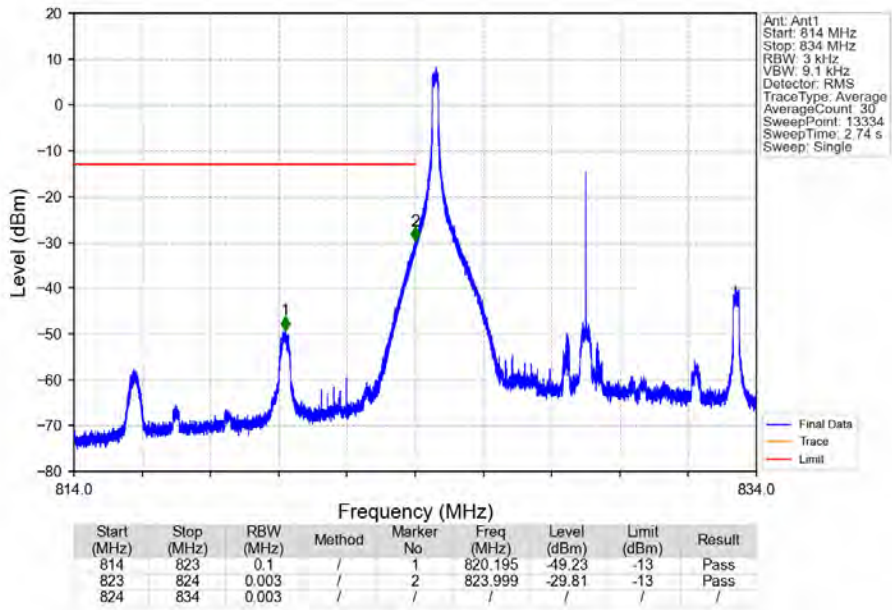
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



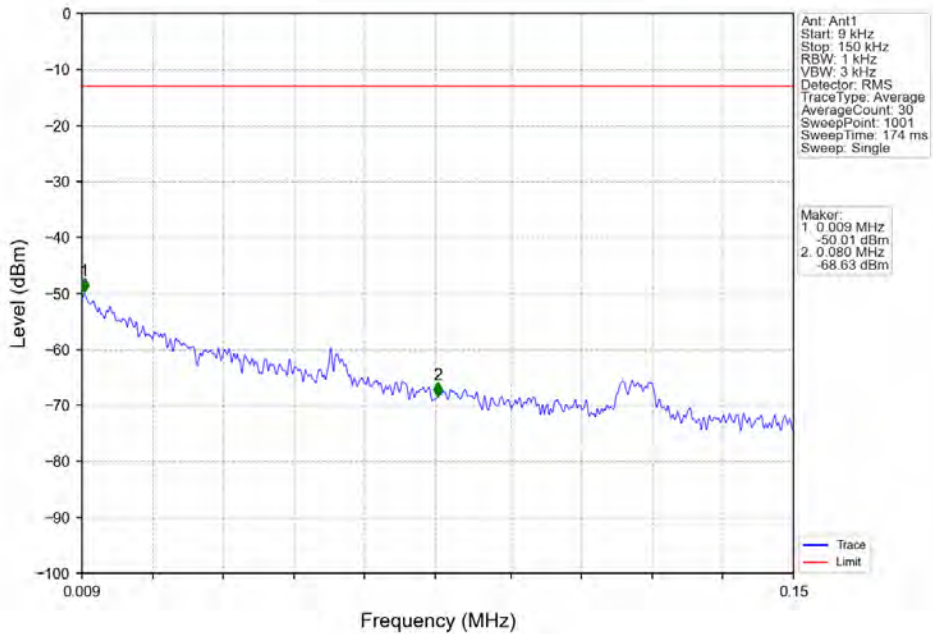
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



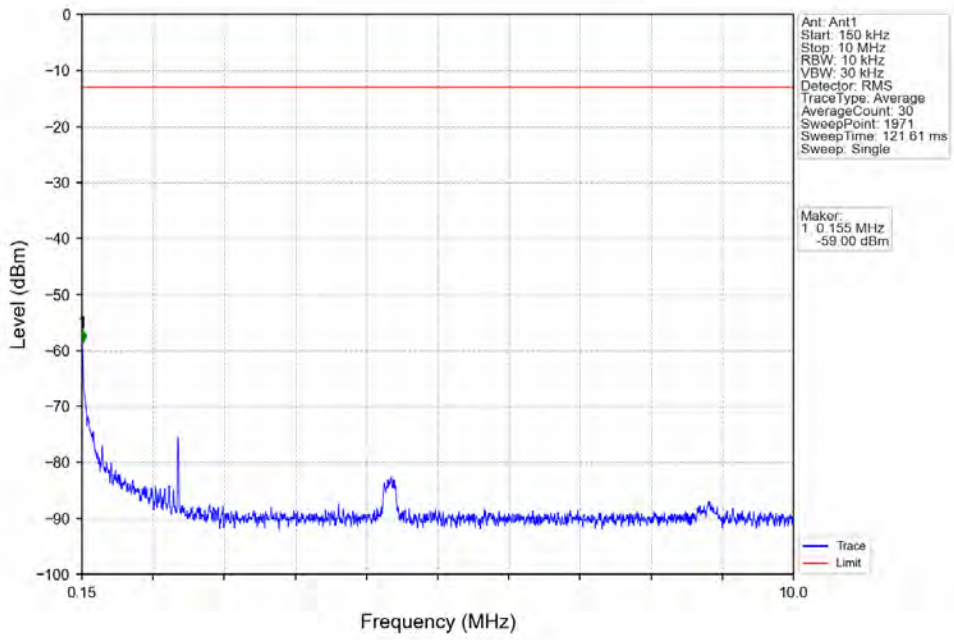
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



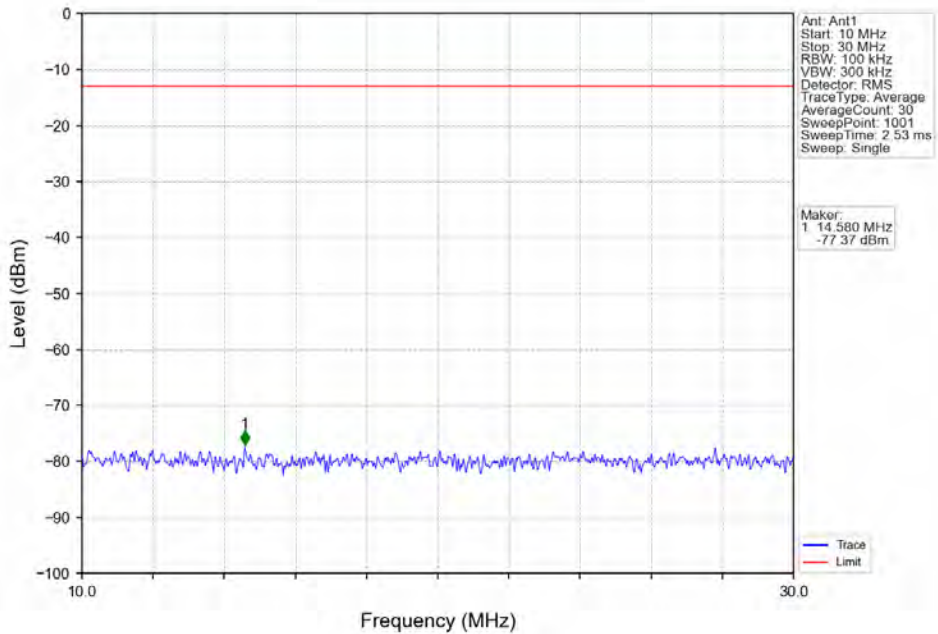
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



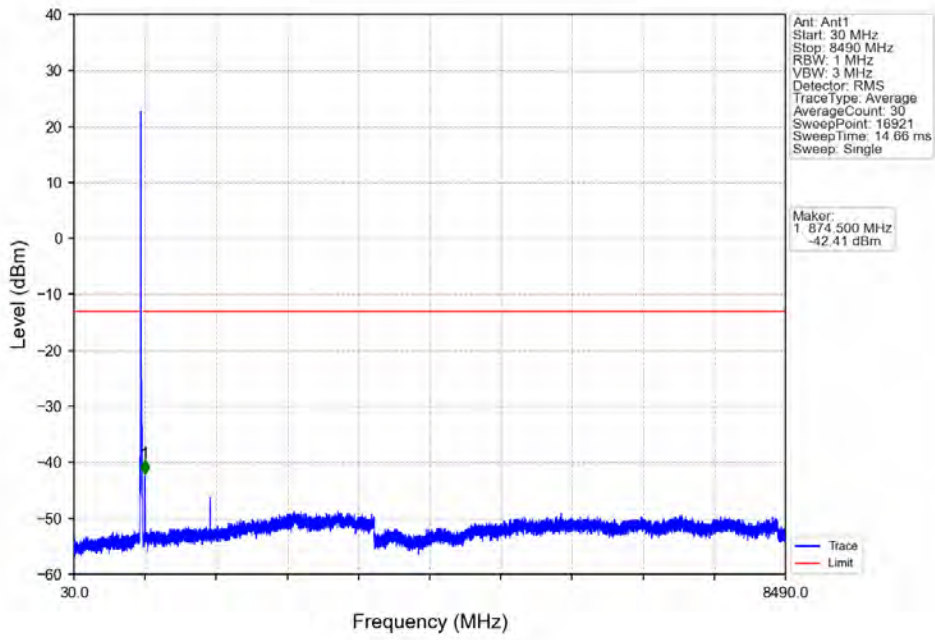
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



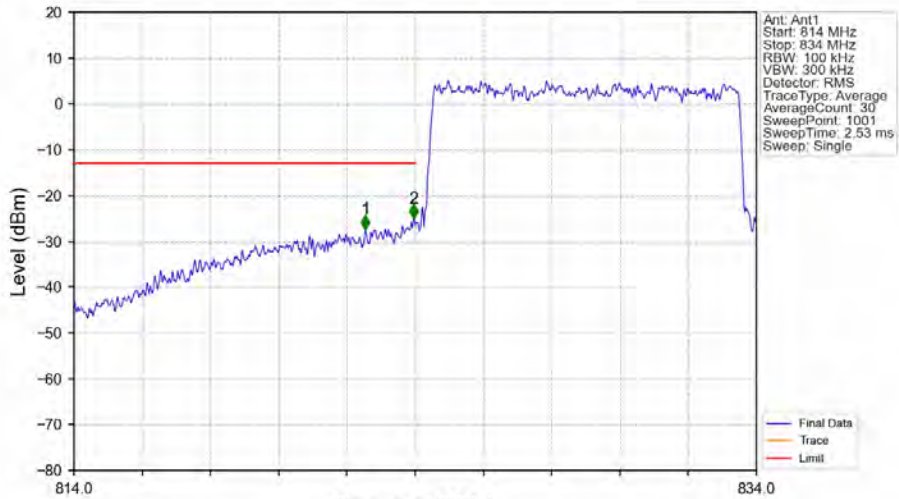
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

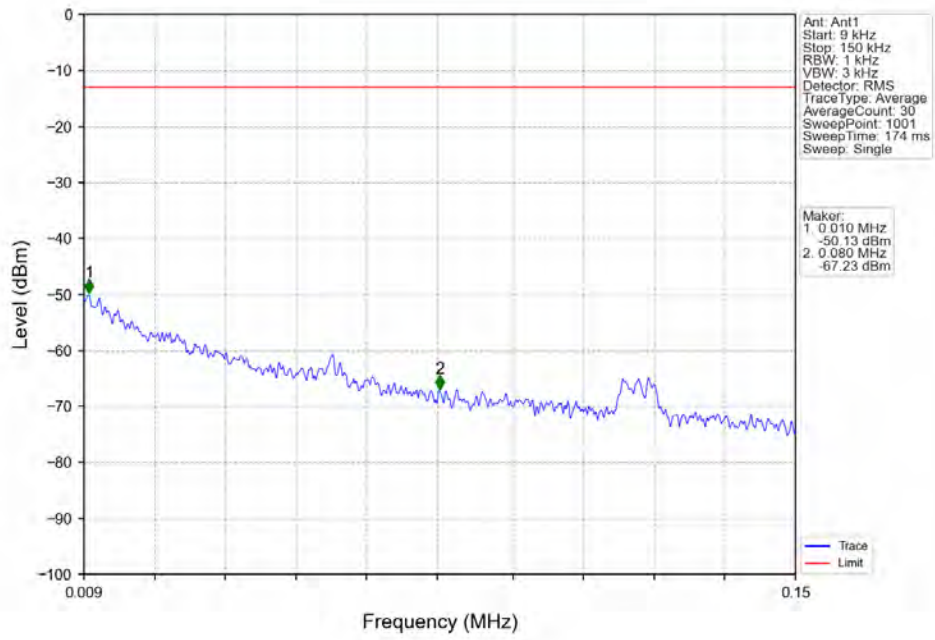


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

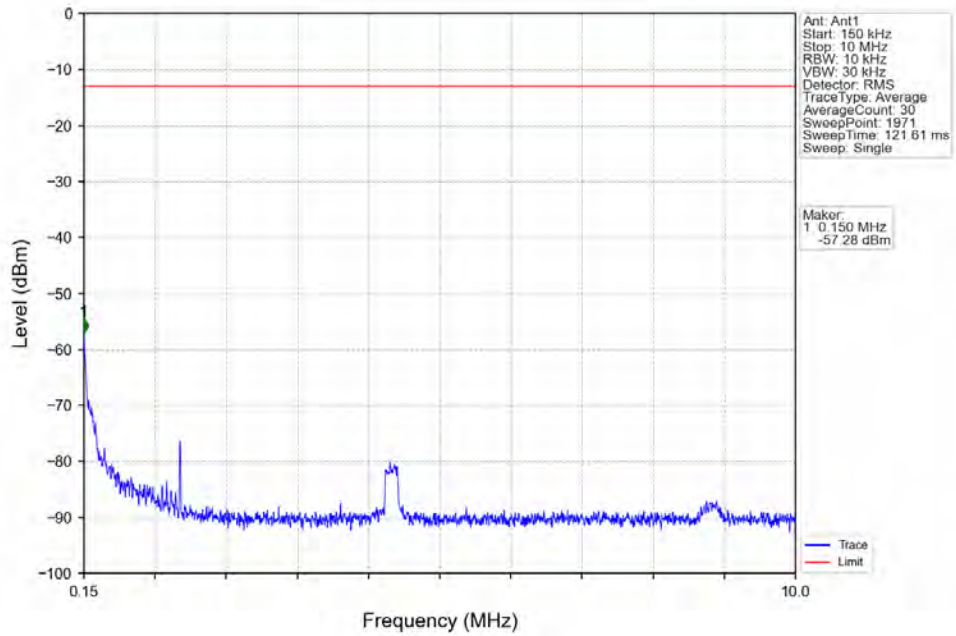


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.540	-27.35	-13	Pass
823	824	0.102	/	2	823.960	-24.92	-13	Pass
824	834	0.102	/	/	/	/	/	/

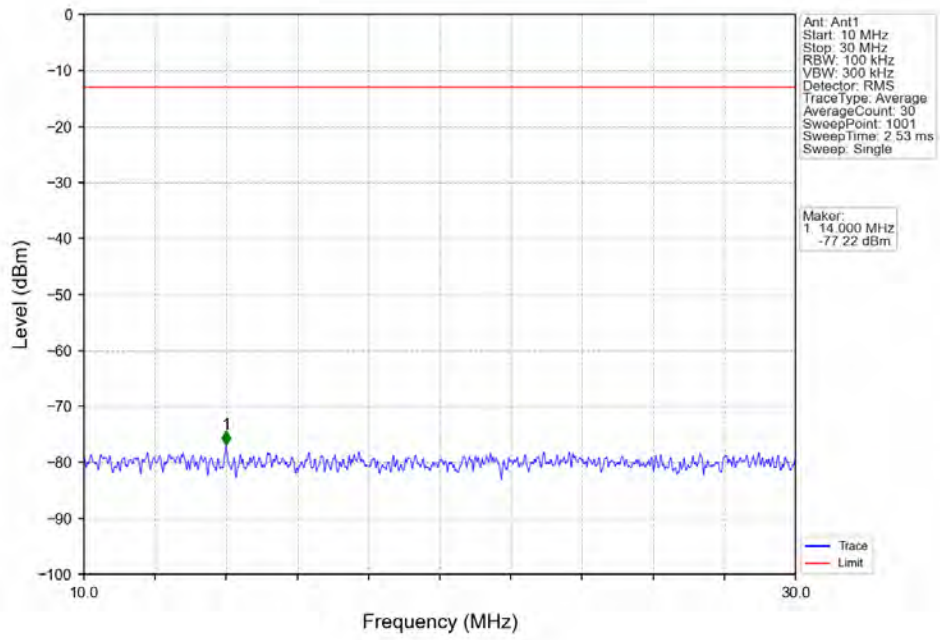
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



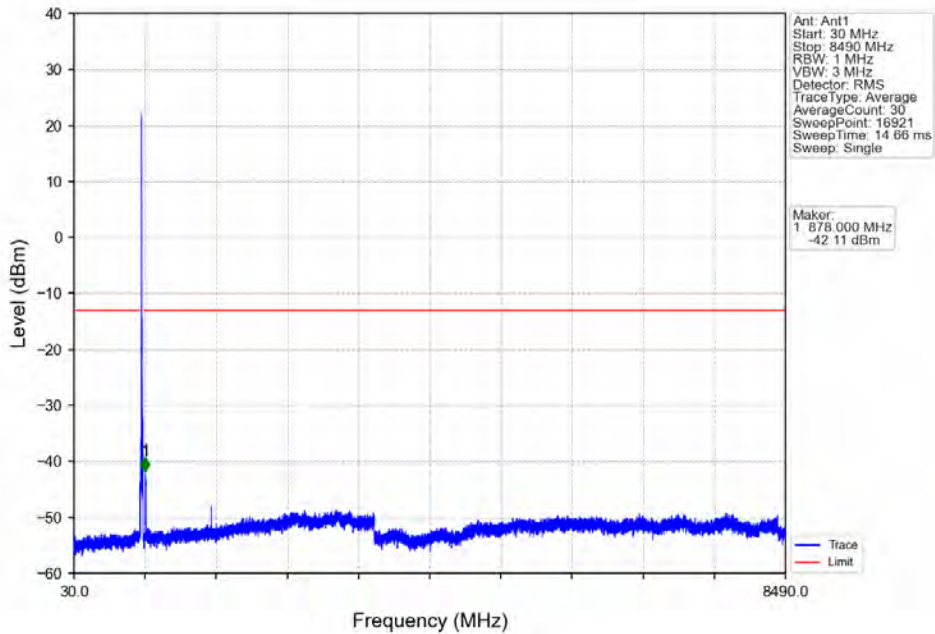
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



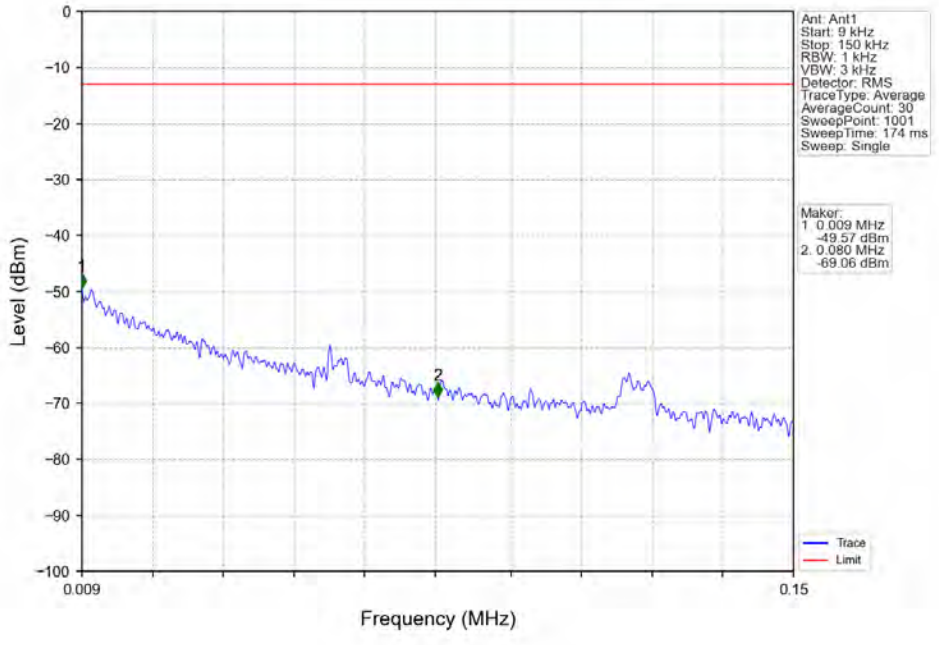
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



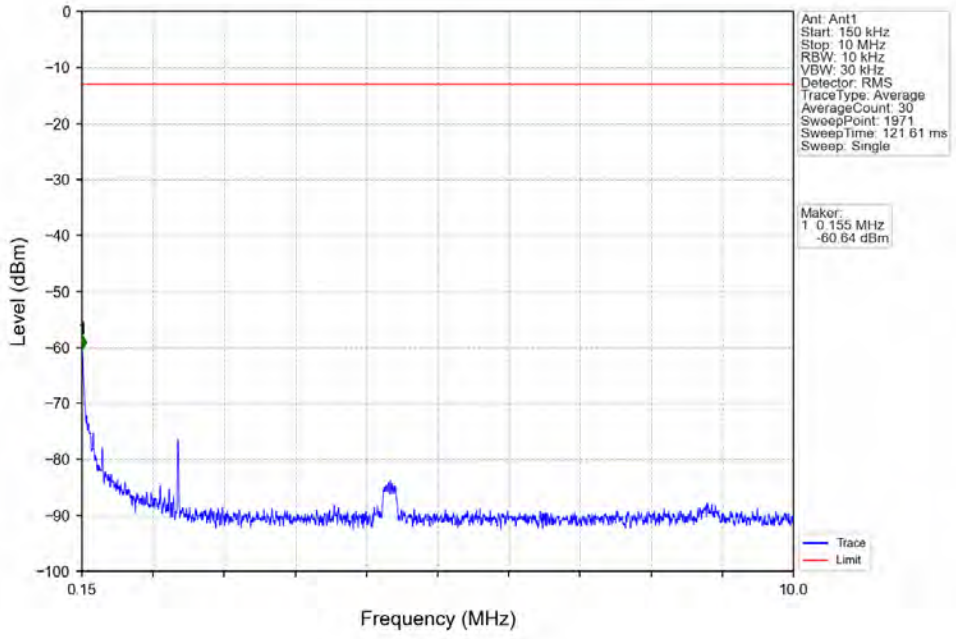
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



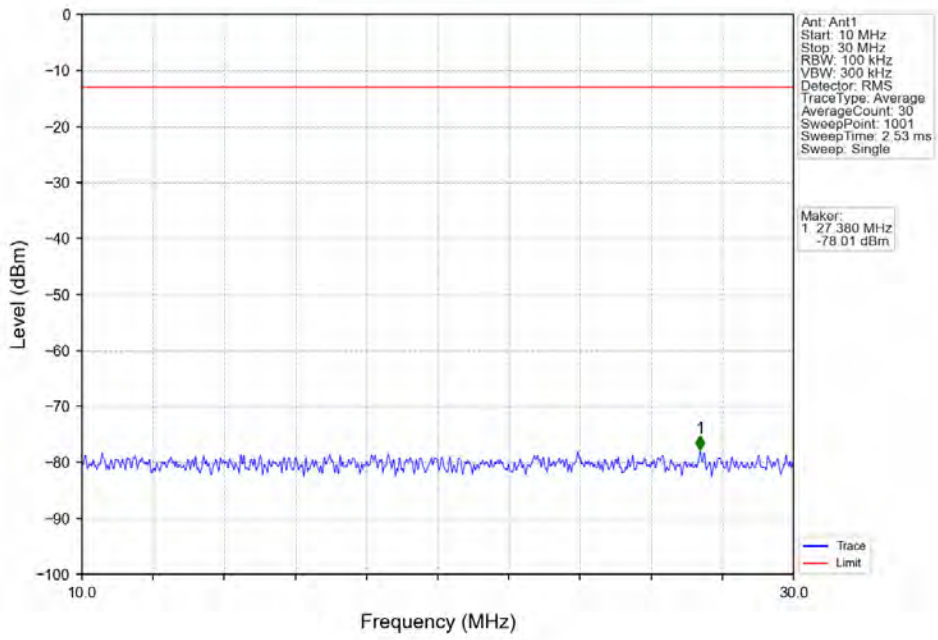
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



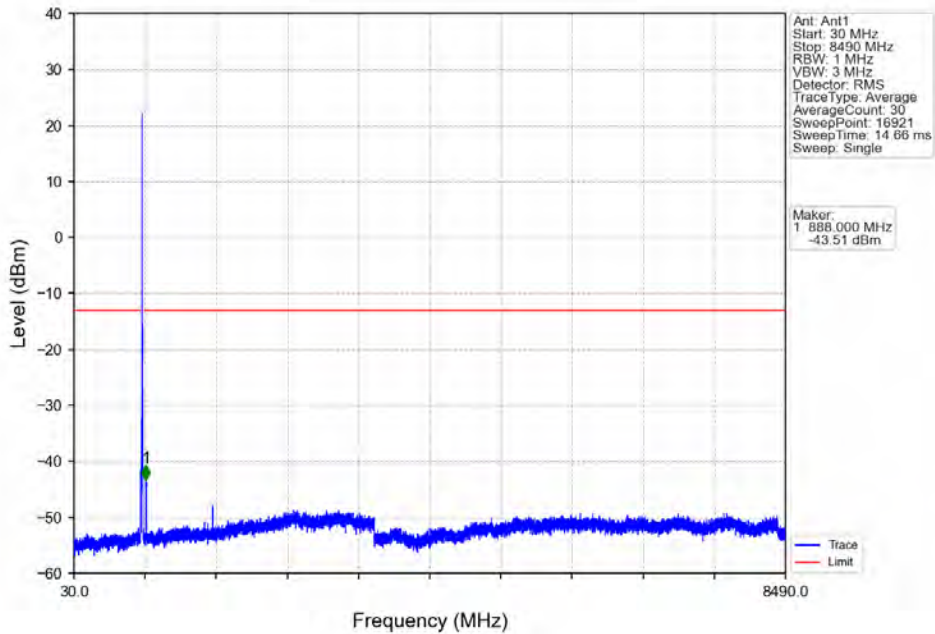
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



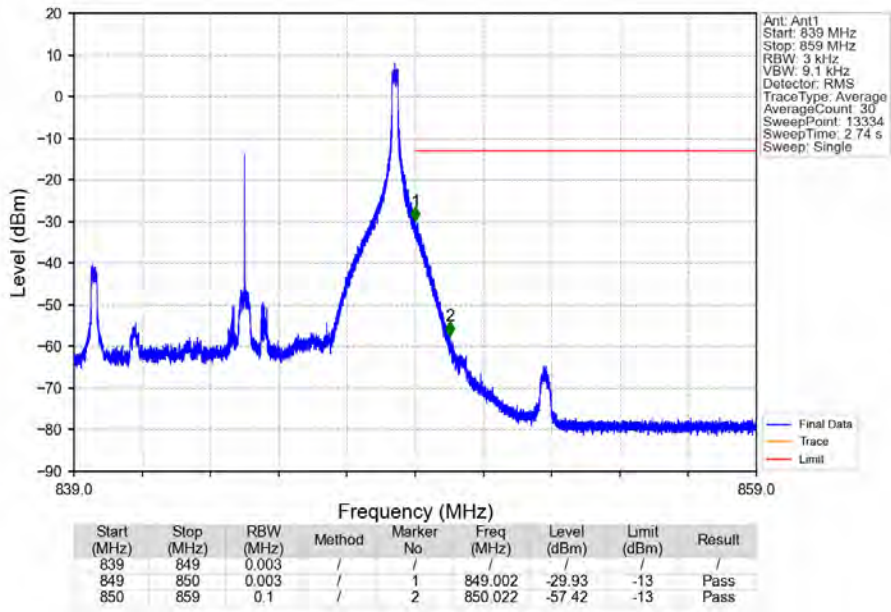
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



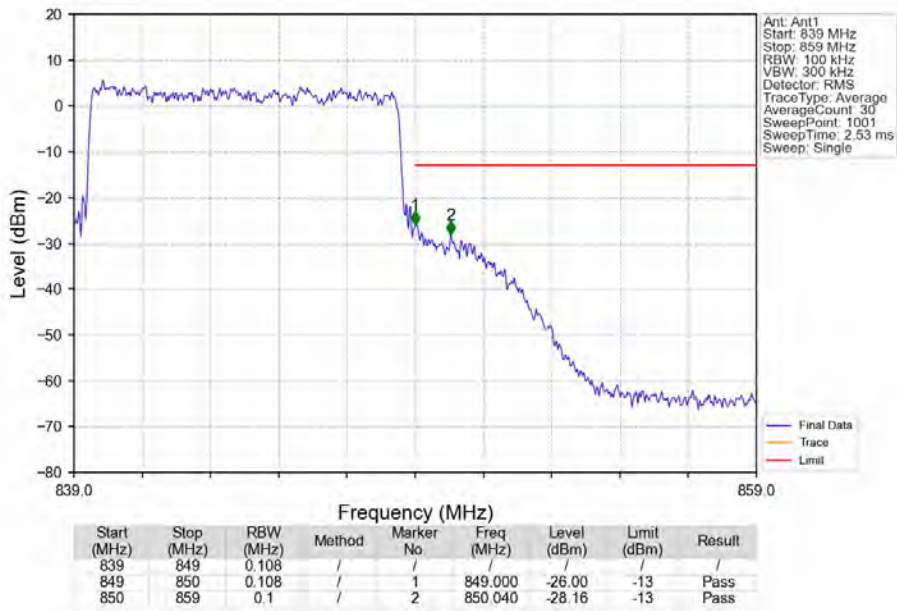
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.2729	0.0180	ppm	1M12G7D	24E	24.36
5	1.4	824.7	848.3	0.2153	0.0210	ppm	1M11W7D	24E	23.33
5	3	825.5	847.5	0.2844	0.0181	ppm	2M74G7D	24E	24.54
5	3	825.5	847.5	0.2350	0.0110	ppm	2M73W7D	24E	23.71
5	5	826.5	846.5	0.2673	0.0109	ppm	4M58G7D	24E	24.27
5	5	826.5	846.5	0.2133	0.0139	ppm	4M61W7D	24E	23.29
5	10	829	844	0.2767	0.0128	ppm	9M15G7D	24E	24.42
5	10	829	844	0.2350	0.0142	ppm	9M15W7D	24E	23.71

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.1823	0.0180	ppm	1M12G7D	24E	22.61
5	1.4	824.7	848.3	0.1438	0.0210	ppm	1M11W7D	24E	21.58
5	3	825.5	847.5	0.1438	0.0181	ppm	2M74G7D	24E	22.79
5	3	825.5	847.5	0.157	0.0110	ppm	2M73W7D	24E	21.96
5	5	826.5	846.5	0.1786	0.0109	ppm	4M58G7D	24E	22.52
5	5	826.5	846.5	0.1425	0.0139	ppm	4M61W7D	24E	21.54
5	10	829	844	0.1849	0.0128	ppm	9M15G7D	24E	22.67
5	10	829	844	0.157	0.0142	ppm	9M15W7D	24E	21.96