

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	21.71	-0.42	19.14	<=38.45	Pass		
			2	21.81	-0.42	19.24	<=38.45	Pass		
			5	21.75	-0.42	19.18	<=38.45	Pass		
		3	0	21.75	-0.42	19.18	<=38.45	Pass		
			2	21.78	-0.42	19.21	<=38.45	Pass		
			3	21.76	-0.42	19.19	<=38.45	Pass		
		6	0	20.75	-0.42	18.18	<=38.45	Pass		
		836.5	1	0	21.69	-0.42	19.12	<=38.45	Pass	
				2	21.77	-0.42	19.20	<=38.45	Pass	
	5			21.63	-0.42	19.06	<=38.45	Pass		
	3		0	21.76	-0.42	19.19	<=38.45	Pass		
			2	21.78	-0.42	19.21	<=38.45	Pass		
			3	21.74	-0.42	19.17	<=38.45	Pass		
	6		0	20.74	-0.42	18.17	<=38.45	Pass		
	848.3		1	0	21.54	-0.42	18.97	<=38.45	Pass	
				2	21.67	-0.42	19.10	<=38.45	Pass	
		5		21.60	-0.42	19.03	<=38.45	Pass		
		3	0	21.71	-0.42	19.14	<=38.45	Pass		
			2	21.71	-0.42	19.14	<=38.45	Pass		
			3	21.68	-0.42	19.11	<=38.45	Pass		
		6	0	20.73	-0.42	18.16	<=38.45	Pass		
		16QAM	824.7	1	0	20.68	-0.42	18.11	<=38.45	Pass
					2	20.78	-0.42	18.21	<=38.45	Pass
	5				20.74	-0.42	18.17	<=38.45	Pass	
3	0			20.83	-0.42	18.26	<=38.45	Pass		
	2			20.83	-0.42	18.26	<=38.45	Pass		
	3			20.82	-0.42	18.25	<=38.45	Pass		
6	0			19.65	-0.42	17.08	<=38.45	Pass		
836.5	1			0	20.84	-0.42	18.27	<=38.45	Pass	
				2	20.93	-0.42	18.36	<=38.45	Pass	
			5	20.83	-0.42	18.26	<=38.45	Pass		
	3		0	20.73	-0.42	18.16	<=38.45	Pass		
			2	20.78	-0.42	18.21	<=38.45	Pass		
			3	20.80	-0.42	18.23	<=38.45	Pass		
	6		0	19.73	-0.42	17.16	<=38.45	Pass		
	848.3		1	0	20.59	-0.42	18.02	<=38.45	Pass	
				2	20.70	-0.42	18.13	<=38.45	Pass	
5				20.61	-0.42	18.04	<=38.45	Pass		
3			0	20.90	-0.42	18.33	<=38.45	Pass		
			2	20.96	-0.42	18.39	<=38.45	Pass		
			3	20.93	-0.42	18.36	<=38.45	Pass		
6			0	19.73	-0.42	17.16	<=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 / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	21.85	-0.42	19.28	<=38.45	Pass		
			7	22.00	-0.42	19.43	<=38.45	Pass		
			14	21.86	-0.42	19.29	<=38.45	Pass		
		8	0	20.80	-0.42	18.23	<=38.45	Pass		
			4	20.85	-0.42	18.28	<=38.45	Pass		
			7	20.80	-0.42	18.23	<=38.45	Pass		
		15	0	20.77	-0.42	18.20	<=38.45	Pass		
		836.5	1	0	21.76	-0.42	19.19	<=38.45	Pass	
				7	21.90	-0.42	19.33	<=38.45	Pass	
	14			21.72	-0.42	19.15	<=38.45	Pass		
	8		0	20.79	-0.42	18.22	<=38.45	Pass		
			4	20.82	-0.42	18.25	<=38.45	Pass		
			7	20.77	-0.42	18.20	<=38.45	Pass		
	15		0	20.80	-0.42	18.23	<=38.45	Pass		
	847.5		1	0	21.72	-0.42	19.15	<=38.45	Pass	
				7	21.84	-0.42	19.27	<=38.45	Pass	
		14		21.70	-0.42	19.13	<=38.45	Pass		
		8	0	20.75	-0.42	18.18	<=38.45	Pass		
			4	20.80	-0.42	18.23	<=38.45	Pass		
			7	20.74	-0.42	18.17	<=38.45	Pass		
		15	0	20.77	-0.42	18.20	<=38.45	Pass		
		16QAM	825.5	1	0	20.83	-0.42	18.26	<=38.45	Pass
					7	20.98	-0.42	18.41	<=38.45	Pass
	14				20.84	-0.42	18.27	<=38.45	Pass	
8	0			19.82	-0.42	17.25	<=38.45	Pass		
	4			19.88	-0.42	17.31	<=38.45	Pass		
	7			19.83	-0.42	17.26	<=38.45	Pass		
15	0			19.82	-0.42	17.25	<=38.45	Pass		
836.5	1			0	20.90	-0.42	18.33	<=38.45	Pass	
				7	21.05	-0.42	18.48	<=38.45	Pass	
			14	20.93	-0.42	18.36	<=38.45	Pass		
	8		0	19.74	-0.42	17.17	<=38.45	Pass		
			4	19.79	-0.42	17.22	<=38.45	Pass		
			7	19.73	-0.42	17.16	<=38.45	Pass		
	15		0	19.72	-0.42	17.15	<=38.45	Pass		
	847.5		1	0	21.29	-0.42	18.72	<=38.45	Pass	
				7	21.39	-0.42	18.82	<=38.45	Pass	
14				21.23	-0.42	18.66	<=38.45	Pass		
8			0	19.89	-0.42	17.32	<=38.45	Pass		
			4	19.93	-0.42	17.36	<=38.45	Pass		
			7	19.87	-0.42	17.30	<=38.45	Pass		
15			0	19.84	-0.42	17.27	<=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	21.73	-0.42	19.16	<=38.45	Pass		
			13	21.83	-0.42	19.26	<=38.45	Pass		
			24	21.77	-0.42	19.20	<=38.45	Pass		
		12	0	20.72	-0.42	18.15	<=38.45	Pass		
			6	20.82	-0.42	18.25	<=38.45	Pass		
			13	20.82	-0.42	18.25	<=38.45	Pass		
		25	0	20.75	-0.42	18.18	<=38.45	Pass		
		836.5	1	0	21.67	-0.42	19.10	<=38.45	Pass	
				13	21.80	-0.42	19.23	<=38.45	Pass	
	24			21.67	-0.42	19.10	<=38.45	Pass		
	12		0	20.72	-0.42	18.15	<=38.45	Pass		
			6	20.76	-0.42	18.19	<=38.45	Pass		
			13	20.70	-0.42	18.13	<=38.45	Pass		
	25		0	20.76	-0.42	18.19	<=38.45	Pass		
	846.5		1	0	21.66	-0.42	19.09	<=38.45	Pass	
				13	21.77	-0.42	19.20	<=38.45	Pass	
		24		21.64	-0.42	19.07	<=38.45	Pass		
		12	0	20.72	-0.42	18.15	<=38.45	Pass		
			6	20.76	-0.42	18.19	<=38.45	Pass		
			13	20.66	-0.42	18.09	<=38.45	Pass		
		25	0	20.70	-0.42	18.13	<=38.45	Pass		
		16QAM	826.5	1	0	20.77	-0.42	18.20	<=38.45	Pass
					13	20.95	-0.42	18.38	<=38.45	Pass
	24				20.83	-0.42	18.26	<=38.45	Pass	
12	0			19.74	-0.42	17.17	<=38.45	Pass		
	6			19.82	-0.42	17.25	<=38.45	Pass		
	13			19.79	-0.42	17.22	<=38.45	Pass		
25	0			19.79	-0.42	17.22	<=38.45	Pass		
836.5	1			0	20.94	-0.42	18.37	<=38.45	Pass	
				13	21.04	-0.42	18.47	<=38.45	Pass	
			24	20.90	-0.42	18.33	<=38.45	Pass		
	12		0	19.75	-0.42	17.18	<=38.45	Pass		
			6	19.80	-0.42	17.23	<=38.45	Pass		
			13	19.73	-0.42	17.16	<=38.45	Pass		
	25		0	19.74	-0.42	17.17	<=38.45	Pass		
	846.5		1	0	20.53	-0.42	17.96	<=38.45	Pass	
				13	20.60	-0.42	18.03	<=38.45	Pass	
24				20.49	-0.42	17.92	<=38.45	Pass		
12			0	19.74	-0.42	17.17	<=38.45	Pass		
			6	19.74	-0.42	17.17	<=38.45	Pass		
			13	19.69	-0.42	17.12	<=38.45	Pass		
25			0	19.76	-0.42	17.19	<=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	21.79	-0.42	19.22	<=38.45	Pass
			25	22.00	-0.42	19.43	<=38.45	Pass

	836.5	25	49	21.78	-0.42	19.21	<=38.45	Pass		
			0	20.84	-0.42	18.27	<=38.45	Pass		
			13	20.80	-0.42	18.23	<=38.45	Pass		
			25	20.81	-0.42	18.24	<=38.45	Pass		
		50	0	20.86	-0.42	18.29	<=38.45	Pass		
			1	0	21.80	-0.42	19.23	<=38.45	Pass	
				25	21.89	-0.42	19.32	<=38.45	Pass	
				49	21.73	-0.42	19.16	<=38.45	Pass	
		25	0	20.85	-0.42	18.28	<=38.45	Pass		
			13	20.81	-0.42	18.24	<=38.45	Pass		
			25	20.81	-0.42	18.24	<=38.45	Pass		
		50	0	20.82	-0.42	18.25	<=38.45	Pass		
	844		1	0	21.74	-0.42	19.17	<=38.45	Pass	
				25	21.82	-0.42	19.25	<=38.45	Pass	
		49		21.68	-0.42	19.11	<=38.45	Pass		
	25	25	0	20.81	-0.42	18.24	<=38.45	Pass		
			13	20.78	-0.42	18.21	<=38.45	Pass		
			25	20.68	-0.42	18.11	<=38.45	Pass		
	50	50	0	20.79	-0.42	18.22	<=38.45	Pass		
			829	1	0	20.74	-0.42	18.17	<=38.45	Pass
					25	20.96	-0.42	18.39	<=38.45	Pass
	49	20.79			-0.42	18.22	<=38.45	Pass		
	25	25	0	19.88	-0.42	17.31	<=38.45	Pass		
			13	19.89	-0.42	17.32	<=38.45	Pass		
			25	19.90	-0.42	17.33	<=38.45	Pass		
	50	50	0	19.82	-0.42	17.25	<=38.45	Pass		
			836.5	1	0	20.95	-0.42	18.38	<=38.45	Pass
25					21.06	-0.42	18.49	<=38.45	Pass	
49	20.87	-0.42			18.30	<=38.45	Pass			
25	25	0	19.84	-0.42	17.27	<=38.45	Pass			
		13	19.79	-0.42	17.22	<=38.45	Pass			
		25	19.78	-0.42	17.21	<=38.45	Pass			
50	50	0	19.81	-0.42	17.24	<=38.45	Pass			
		844	1	0	21.27	-0.42	18.70	<=38.45	Pass	
				25	21.38	-0.42	18.81	<=38.45	Pass	
49	21.24			-0.42	18.67	<=38.45	Pass			
25	25	0	19.85	-0.42	17.28	<=38.45	Pass			
		13	19.81	-0.42	17.24	<=38.45	Pass			
		25	19.74	-0.42	17.17	<=38.45	Pass			
50	50	0	19.79	-0.42	17.22	<=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	-9.255	-0.0112	-2.5 to 2.5	Pass
					3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0032	-2.5 to 2.5	Pass

				-30	3.85	-7.167	-0.0087	-2.5 to 2.5	Pass			
				-20	3.85	-8.340	-0.0101	-2.5 to 2.5	Pass			
				-10	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass			
				0	3.85	-9.627	-0.0117	-2.5 to 2.5	Pass			
				10	3.85	-6.752	-0.0082	-2.5 to 2.5	Pass			
				30	3.85	-2.203	-0.0027	-2.5 to 2.5	Pass			
				40	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass			
	50	3.85	-4.005	-0.0049	-2.5 to 2.5	Pass						
	836.5	6	0	20	3.27	-5.593	-0.0067	-2.5 to 2.5	Pass			
					3.85	-5.121	-0.0061	-2.5 to 2.5	Pass			
					4.43	-7.968	-0.0095	-2.5 to 2.5	Pass			
				-30	3.85	-5.207	-0.0062	-2.5 to 2.5	Pass			
				-20	3.85	-10.114	-0.0121	-2.5 to 2.5	Pass			
				-10	3.85	-3.619	-0.0043	-2.5 to 2.5	Pass			
				0	3.85	-13.204	-0.0158	-2.5 to 2.5	Pass			
				10	3.85	-10.371	-0.0124	-2.5 to 2.5	Pass			
				30	3.85	-3.047	-0.0036	-2.5 to 2.5	Pass			
				40	3.85	-6.223	-0.0074	-2.5 to 2.5	Pass			
				50	3.85	-7.353	-0.0088	-2.5 to 2.5	Pass			
				848.3	6	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
								3.85	-7.925	-0.0093	-2.5 to 2.5	Pass
								4.43	-5.865	-0.0069	-2.5 to 2.5	Pass
	-30	3.85	-3.448				-0.0041	-2.5 to 2.5	Pass			
	-20	3.85	-2.518				-0.0030	-2.5 to 2.5	Pass			
	-10	3.85	-4.377				-0.0052	-2.5 to 2.5	Pass			
	0	3.85	-4.692				-0.0055	-2.5 to 2.5	Pass			
	10	3.85	-7.067				-0.0083	-2.5 to 2.5	Pass			
30	3.85	-6.037	-0.0071				-2.5 to 2.5	Pass				
40	3.85	-10.786	-0.0127				-2.5 to 2.5	Pass				
50	3.85	-1.373	-0.0016				-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-9.370	-0.0114	-2.5 to 2.5	Pass			
					3.85	-4.606	-0.0056	-2.5 to 2.5	Pass			
					4.43	-2.117	-0.0026	-2.5 to 2.5	Pass			
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass			
				-20	3.85	-3.033	-0.0037	-2.5 to 2.5	Pass			
				-10	3.85	-3.018	-0.0037	-2.5 to 2.5	Pass			
				0	3.85	-4.520	-0.0055	-2.5 to 2.5	Pass			
				10	3.85	-11.086	-0.0134	-2.5 to 2.5	Pass			
				30	3.85	-3.920	-0.0048	-2.5 to 2.5	Pass			
				40	3.85	-4.506	-0.0055	-2.5 to 2.5	Pass			
				50	3.85	-5.007	-0.0061	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-8.297	-0.0099	-2.5 to 2.5	Pass
								3.85	-9.742	-0.0116	-2.5 to 2.5	Pass
								4.43	-9.570	-0.0114	-2.5 to 2.5	Pass
	-30	3.85	-11.473				-0.0137	-2.5 to 2.5	Pass			
	-20	3.85	-6.037				-0.0072	-2.5 to 2.5	Pass			
	-10	3.85	-7.110				-0.0085	-2.5 to 2.5	Pass			
	0	3.85	-10.757				-0.0129	-2.5 to 2.5	Pass			
	10	3.85	-8.583				-0.0103	-2.5 to 2.5	Pass			
	30	3.85	-1.259				-0.0015	-2.5 to 2.5	Pass			
	40	3.85	-2.761				-0.0033	-2.5 to 2.5	Pass			
	50	3.85	-3.633				-0.0043	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.27	-9.456	-0.0111	-2.5 to 2.5	Pass
								3.85	-4.606	-0.0054	-2.5 to 2.5	Pass
				4.43	-7.424	-0.0088		-2.5 to 2.5	Pass			
				-30	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass			
				-20	3.85	-5.050	-0.0060	-2.5 to 2.5	Pass			

				-10	3.85	-7.410	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-6.609	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-15.249	-0.0180	-2.5 to 2.5	Pass
				40	3.85	-5.021	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0009	-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	-7.424	-0.0090	-2.5 to 2.5	Pass
					3.85	-9.699	-0.0117	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.606	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.178	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-6.008	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-5.937	-0.0072	-2.5 to 2.5	Pass
	50	3.85	-7.052	-0.0085	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-3.419	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.964	-0.0059	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-5.808	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-10.343	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-6.194	-0.0074	-2.5 to 2.5	Pass
	50	3.85	-5.980	-0.0071	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-8.183	-0.0097	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0036	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.480	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-8.655	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-4.435	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0063	-2.5 to 2.5	Pass
30				3.85	-8.898	-0.0105	-2.5 to 2.5	Pass	
40				3.85	-3.991	-0.0047	-2.5 to 2.5	Pass	
50	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-4.392	-0.0053	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0093	-2.5 to 2.5	Pass
10	3.85	-6.924	-0.0084	-2.5 to 2.5	Pass				

	836.5	15	0	30	3.85	-7.424	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-7.253	-0.0088	-2.5 to 2.5	Pass
				20	3.27	-1.559	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.798	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-7.153	-0.0086	-2.5 to 2.5	Pass
	40	3.85	-7.682	-0.0092	-2.5 to 2.5	Pass			
	50	3.85	-8.497	-0.0102	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-5.064	-0.0060	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0099	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0037	-2.5 to 2.5	Pass
50				3.85	-4.420	-0.0052	-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	-8.469	-0.0102	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0063	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-7.367	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-6.809	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-6.809	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-10.157	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-7.939	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-7.081
	3.85	-12.031	-0.0144					-2.5 to 2.5	Pass
	4.43	-7.081	-0.0085					-2.5 to 2.5	Pass
	-30	3.85	-6.495				-0.0078	-2.5 to 2.5	Pass
	-20	3.85	-8.225				-0.0098	-2.5 to 2.5	Pass
	-10	3.85	-9.956				-0.0119	-2.5 to 2.5	Pass
	0	3.85	-6.666				-0.0080	-2.5 to 2.5	Pass
	10	3.85	-3.905				-0.0047	-2.5 to 2.5	Pass
	30	3.85	-2.589				-0.0031	-2.5 to 2.5	Pass
	40	3.85	-7.625				-0.0091	-2.5 to 2.5	Pass
	50	3.85	-8.068				-0.0096	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-7.539	-0.0089	-2.5 to 2.5	Pass
					3.85	0.315	0.0004	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-5.693	-0.0067	-2.5 to 2.5	Pass
50	3.85	-5.393	-0.0064						
				16QAM	826.5	25	0	20	3.27
3.85	-7.024	-0.0085	-2.5 to 2.5						Pass
4.43	-7.424	-0.0090	-2.5 to 2.5						Pass
-30	3.85	-8.669	-0.0105					-2.5 to 2.5	Pass
-10	3.85	-4.578	-0.0055					-2.5 to 2.5	Pass
10	3.85	-6.151	-0.0074					-2.5 to 2.5	Pass
40	3.85	-5.822	-0.0070					-2.5 to 2.5	Pass
				50	3.85	-9.084	-0.0110		
836.5	25	0	20					3.27	-6.022
				3.85	-3.119	-0.0037	-2.5 to 2.5	Pass	
				4.43	-7.896	-0.0094	-2.5 to 2.5	Pass	
			-30	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass	
									-20
			-10	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass	
									0
			10	3.85	-4.849	-0.0058	-2.5 to 2.5	Pass	
									30
			40	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass	
50	3.85	-3.347							-0.0040
			846.5	25	0	20	3.27	-7.181	
3.85	-5.522	-0.0065					-2.5 to 2.5	Pass	
4.43	-5.035	-0.0059					-2.5 to 2.5	Pass	
-30	3.85	-5.765				-0.0068	-2.5 to 2.5	Pass	
									-20
-10	3.85	-2.589				-0.0031	-2.5 to 2.5	Pass	
									0
10	3.85	-4.549				-0.0054	-2.5 to 2.5	Pass	
									30
40	3.85	-4.478				-0.0053	-2.5 to 2.5	Pass	
			50	3.85	-3.204				-0.0038

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	-6.180	-0.0075	-2.5 to 2.5	Pass
						3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
						4.43	-6.037	-0.0073	-2.5 to 2.5	Pass

				-30	3.85	-6.266	-0.0076	-2.5 to 2.5	Pass			
				-20	3.85	-6.366	-0.0077	-2.5 to 2.5	Pass			
				-10	3.85	-8.826	-0.0106	-2.5 to 2.5	Pass			
				0	3.85	-5.765	-0.0070	-2.5 to 2.5	Pass			
				10	3.85	-7.997	-0.0096	-2.5 to 2.5	Pass			
				30	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass			
				40	3.85	-4.635	-0.0056	-2.5 to 2.5	Pass			
	50	3.85	-5.007	-0.0060	-2.5 to 2.5	Pass						
	836.5	50	0	20	3.27	-11.158	-0.0133	-2.5 to 2.5	Pass			
					3.85	-6.323	-0.0076	-2.5 to 2.5	Pass			
					4.43	-4.907	-0.0059	-2.5 to 2.5	Pass			
				-30	3.85	-6.666	-0.0080	-2.5 to 2.5	Pass			
				-20	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass			
				-10	3.85	-7.224	-0.0086	-2.5 to 2.5	Pass			
				0	3.85	-5.894	-0.0070	-2.5 to 2.5	Pass			
				10	3.85	-6.180	-0.0074	-2.5 to 2.5	Pass			
				30	3.85	-4.849	-0.0058	-2.5 to 2.5	Pass			
				40	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass			
				50	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass			
				844	50	0	20	3.27	-6.366	-0.0075	-2.5 to 2.5	Pass
								3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
								4.43	-3.920	-0.0046	-2.5 to 2.5	Pass
	-30	3.85	-5.178				-0.0061	-2.5 to 2.5	Pass			
	-20	3.85	-6.723				-0.0080	-2.5 to 2.5	Pass			
	-10	3.85	-5.865				-0.0069	-2.5 to 2.5	Pass			
	0	3.85	-3.705				-0.0044	-2.5 to 2.5	Pass			
	10	3.85	-7.882				-0.0093	-2.5 to 2.5	Pass			
30	3.85	-6.208	-0.0074				-2.5 to 2.5	Pass				
40	3.85	-6.552	-0.0078				-2.5 to 2.5	Pass				
50	3.85	-8.240	-0.0098				-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-7.453	-0.0090	-2.5 to 2.5	Pass			
					3.85	-6.394	-0.0077	-2.5 to 2.5	Pass			
					4.43	-3.376	-0.0041	-2.5 to 2.5	Pass			
				-30	3.85	-6.967	-0.0084	-2.5 to 2.5	Pass			
				-20	3.85	-7.653	-0.0092	-2.5 to 2.5	Pass			
				-10	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass			
				0	3.85	-6.795	-0.0082	-2.5 to 2.5	Pass			
				10	3.85	-4.020	-0.0048	-2.5 to 2.5	Pass			
				30	3.85	-7.181	-0.0087	-2.5 to 2.5	Pass			
				40	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass			
				50	3.85	-7.010	-0.0085	-2.5 to 2.5	Pass			
				836.5	50	0	20	3.27	-5.336	-0.0064	-2.5 to 2.5	Pass
								3.85	-4.921	-0.0059	-2.5 to 2.5	Pass
								4.43	-6.838	-0.0082	-2.5 to 2.5	Pass
	-30	3.85	-5.479				-0.0065	-2.5 to 2.5	Pass			
	-20	3.85	-4.392				-0.0053	-2.5 to 2.5	Pass			
	-10	3.85	-2.046				-0.0024	-2.5 to 2.5	Pass			
	0	3.85	-8.311				-0.0099	-2.5 to 2.5	Pass			
	10	3.85	-6.781				-0.0081	-2.5 to 2.5	Pass			
	30	3.85	-8.583				-0.0103	-2.5 to 2.5	Pass			
	40	3.85	-4.249				-0.0051	-2.5 to 2.5	Pass			
	50	3.85	-3.147				-0.0038	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-5.536	-0.0066	-2.5 to 2.5	Pass			
					3.85	-7.854	-0.0093	-2.5 to 2.5	Pass			
					4.43	-8.984	-0.0106	-2.5 to 2.5	Pass			
				-30	3.85	-9.384	-0.0111	-2.5 to 2.5	Pass			
				-20	3.85	-9.513	-0.0113	-2.5 to 2.5	Pass			

				-10	3.85	-7.911	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-11.458	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-8.154	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-8.583	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-7.782	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass

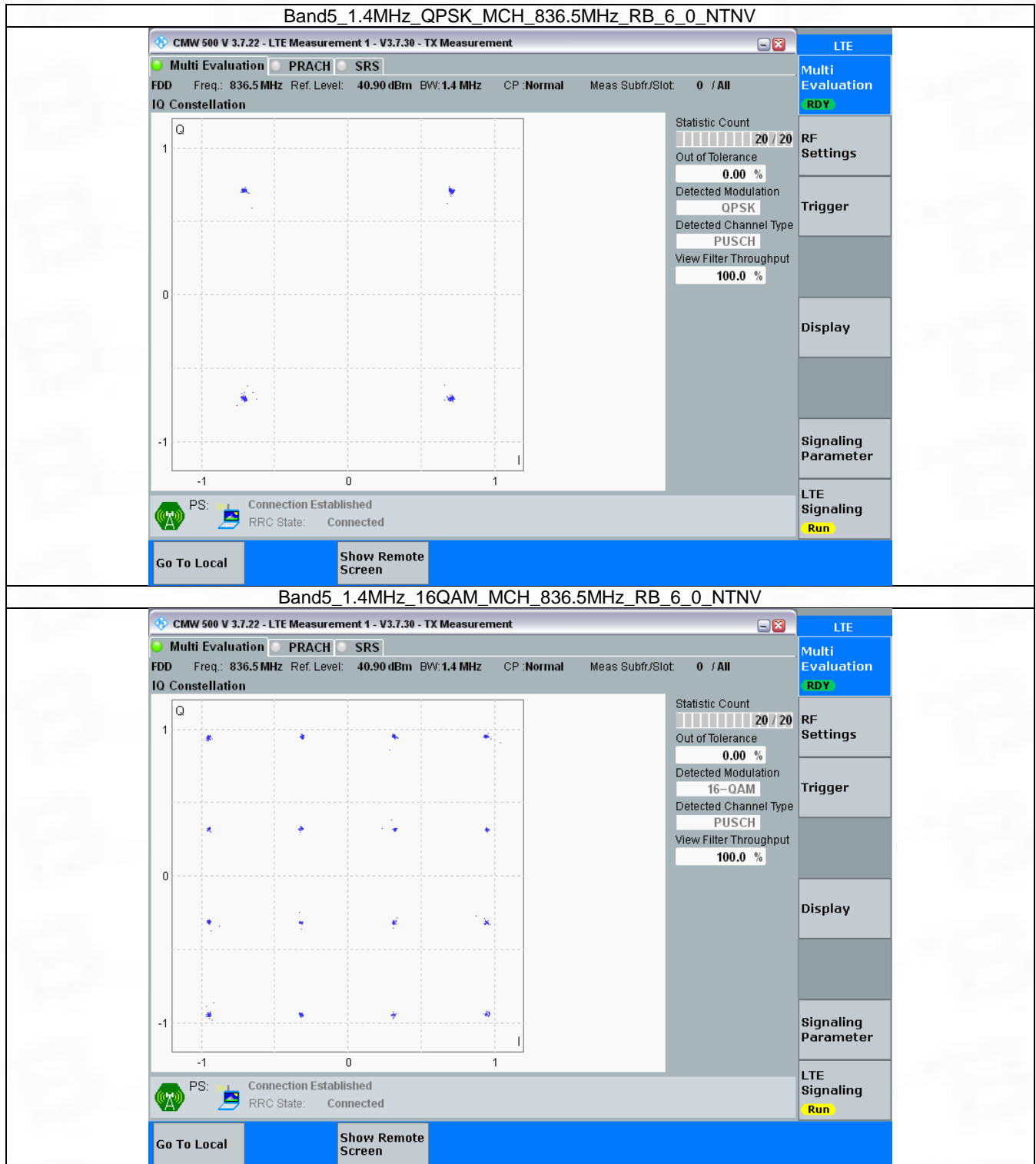
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
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

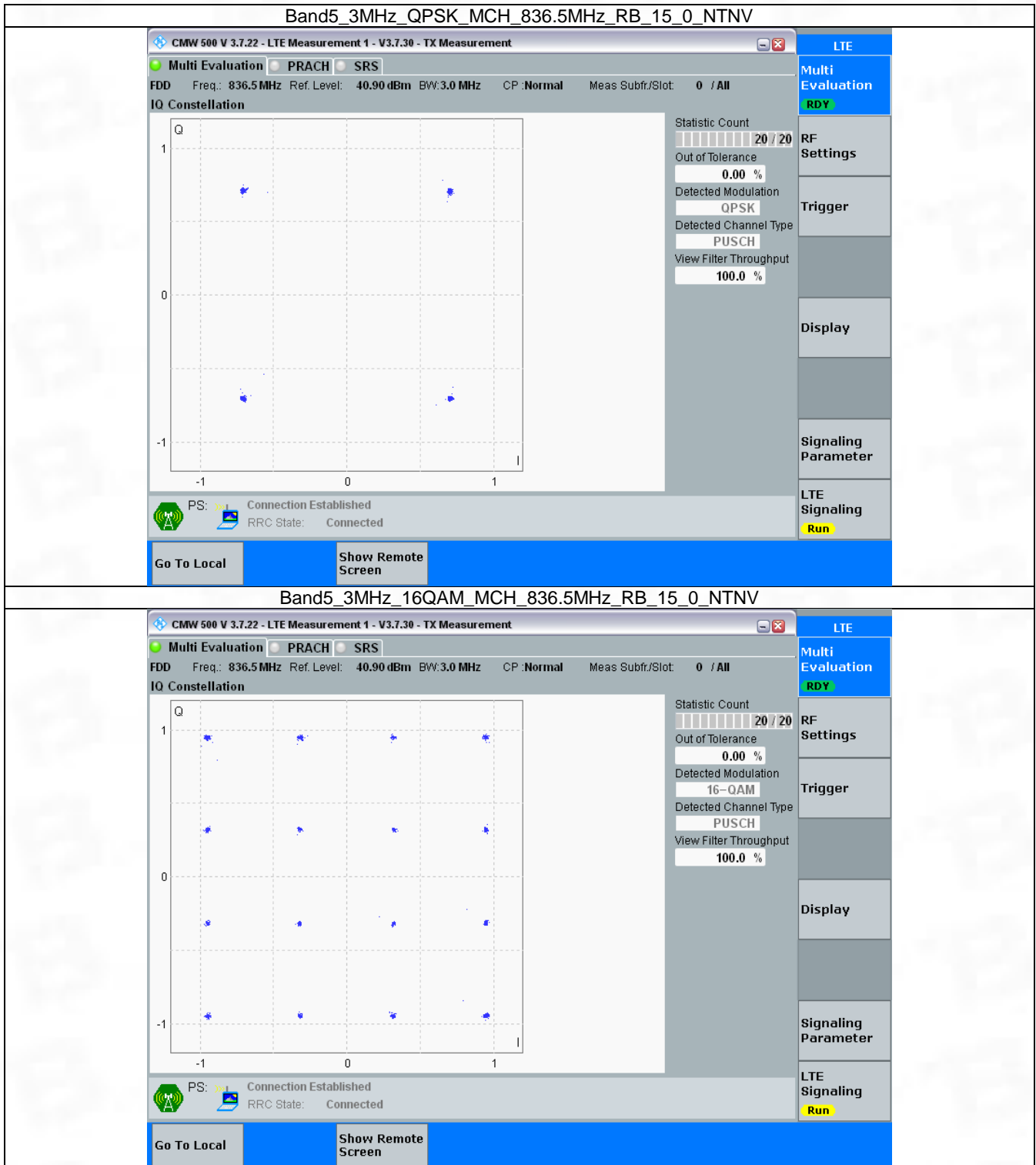


3.2 B5_3MHz

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

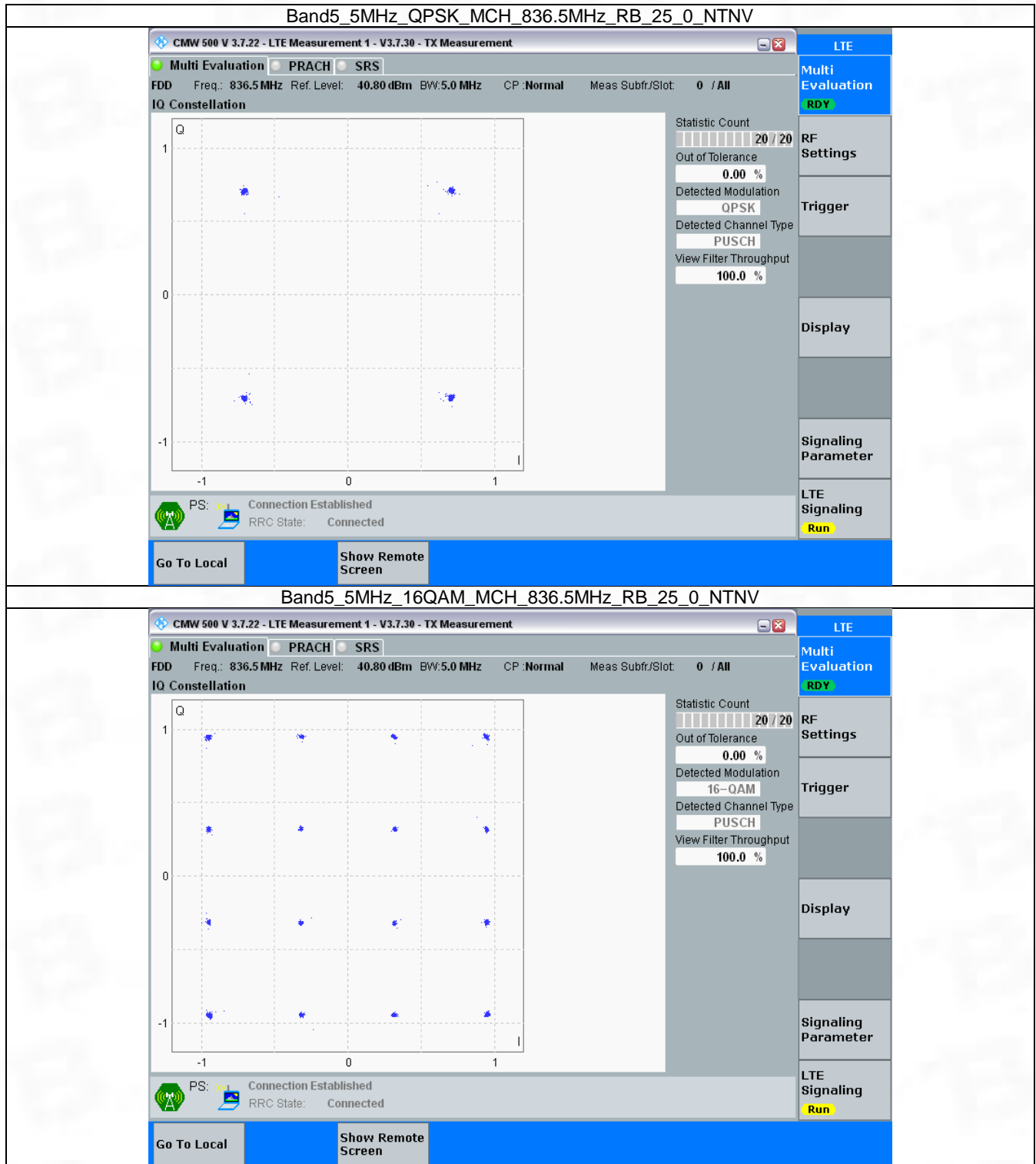


3.3 B5_5MHz

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

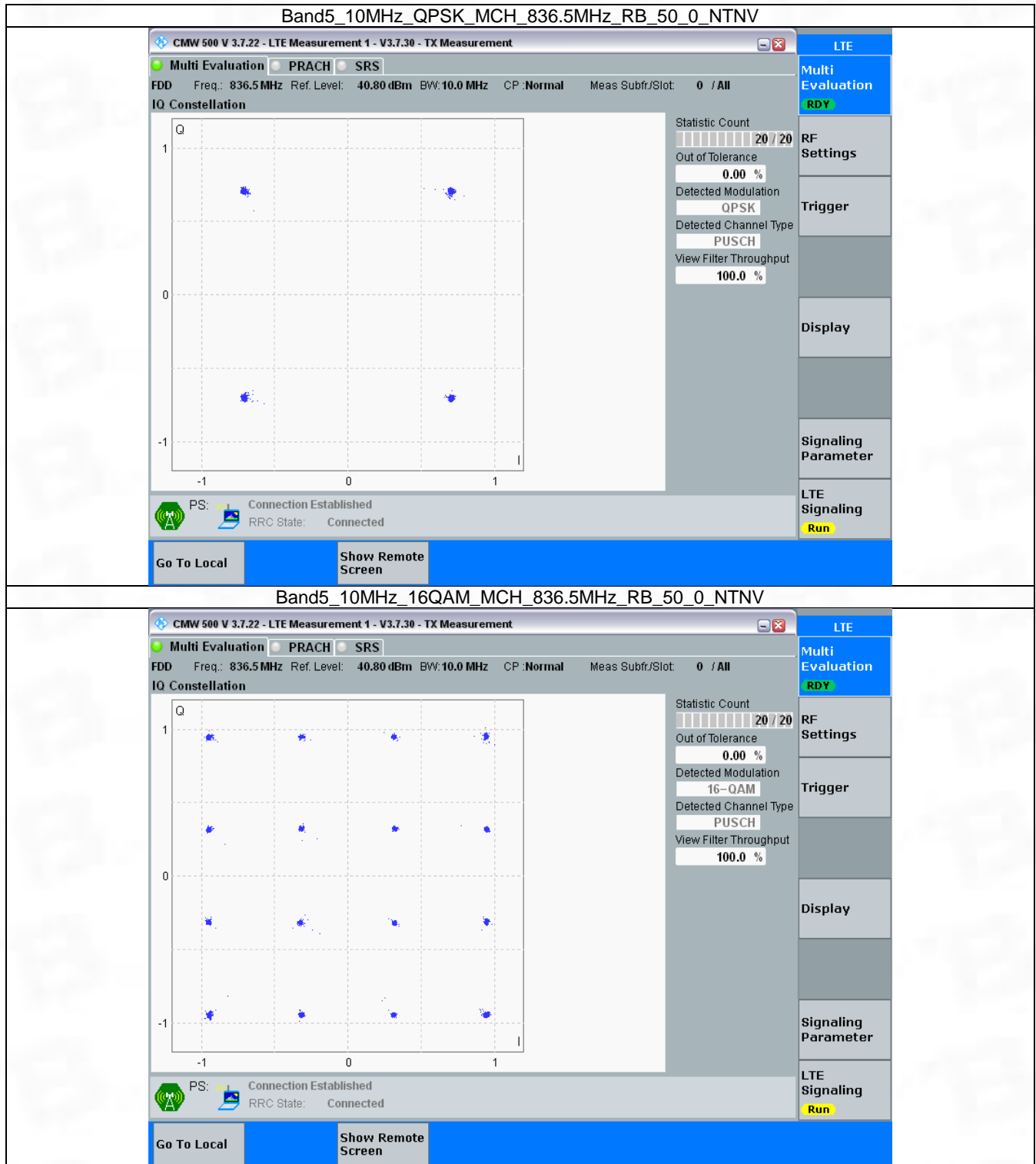


3.4 B5_10MHz

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



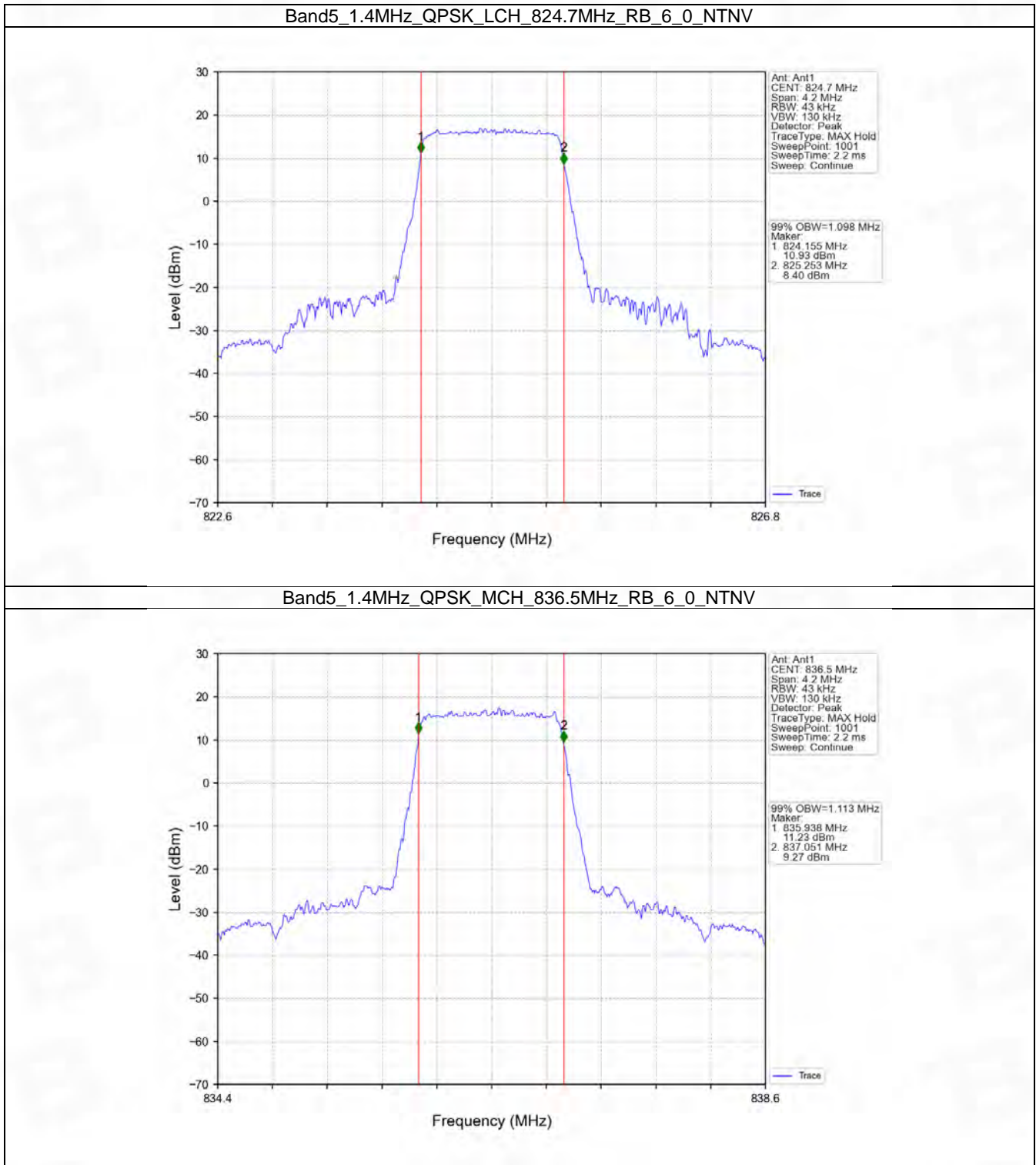
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

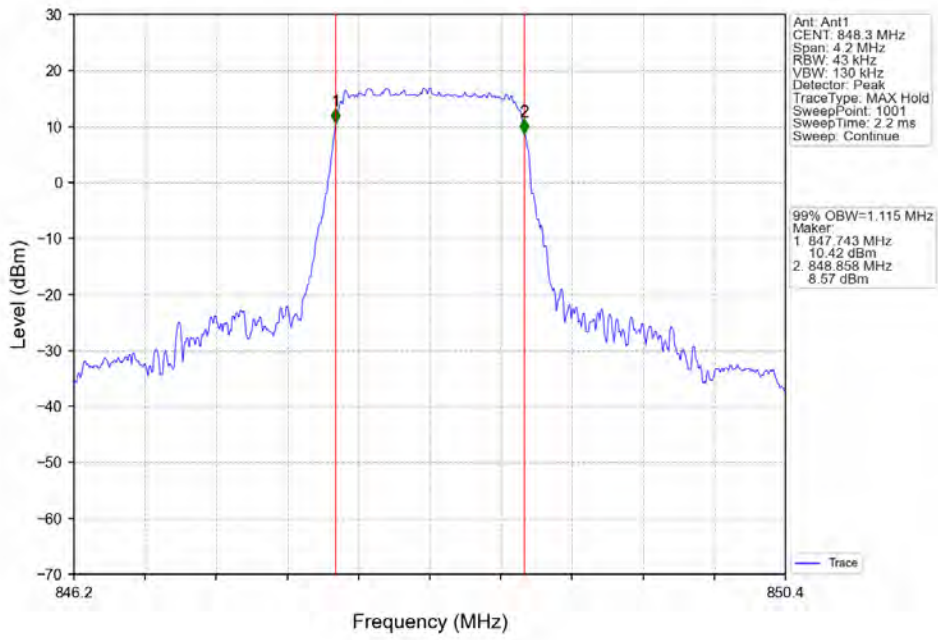
4.1.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.098	/	Pass
		836.5	6	0	1.113	/	Pass
		848.3	6	0	1.115	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.102	/	Pass
3	QPSK	825.5	15	0	2.724	/	Pass
		836.5	15	0	2.727	/	Pass
		847.5	15	0	2.722	/	Pass
	16QAM	825.5	15	0	2.711	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.722	/	Pass
5	QPSK	826.5	25	0	4.564	/	Pass
		836.5	25	0	4.569	/	Pass
		846.5	25	0	4.566	/	Pass
	16QAM	826.5	25	0	4.604	/	Pass
		836.5	25	0	4.576	/	Pass
		846.5	25	0	4.562	/	Pass
10	QPSK	829	50	0	9.081	/	Pass
		836.5	50	0	9.066	/	Pass
		844	50	0	9.090	/	Pass
	16QAM	829	50	0	9.095	/	Pass
		836.5	50	0	9.065	/	Pass
		844	50	0	9.079	/	Pass

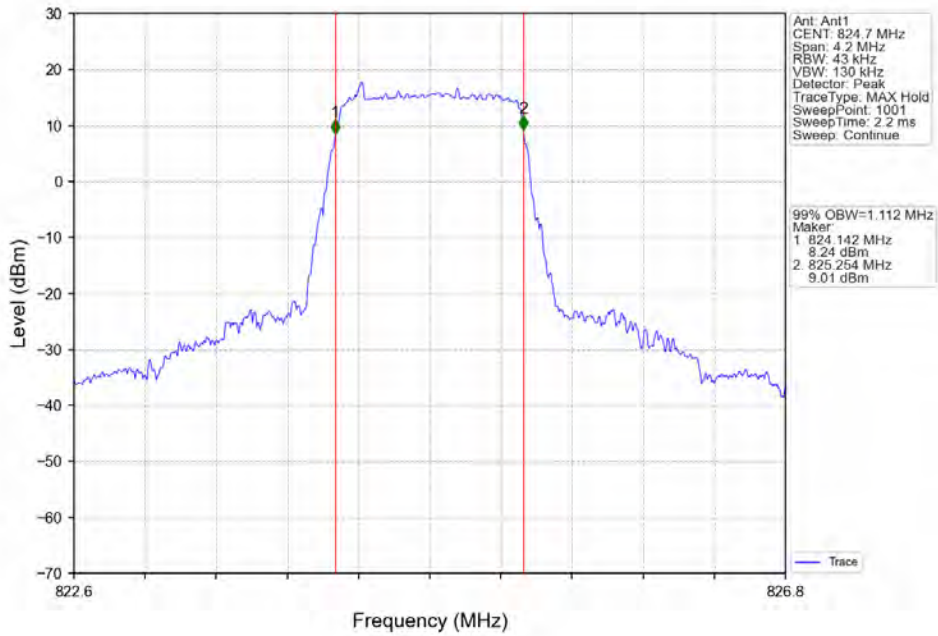
4.1.2 Test Graph



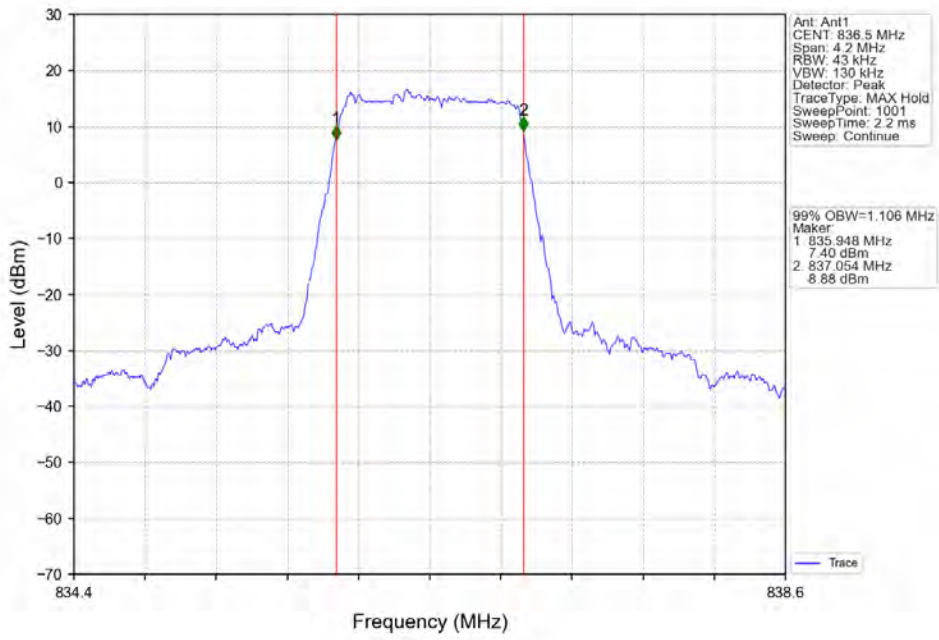
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



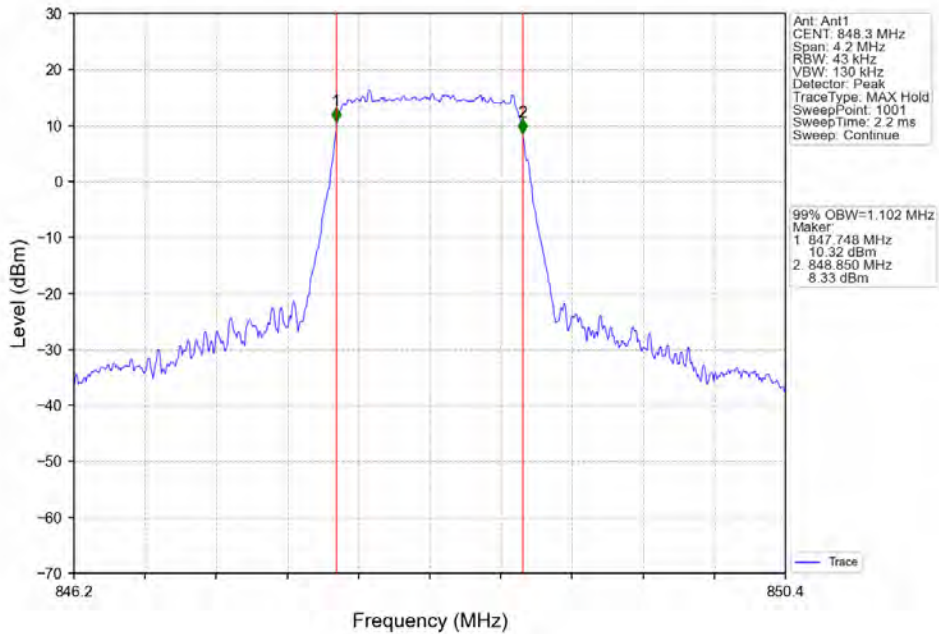
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



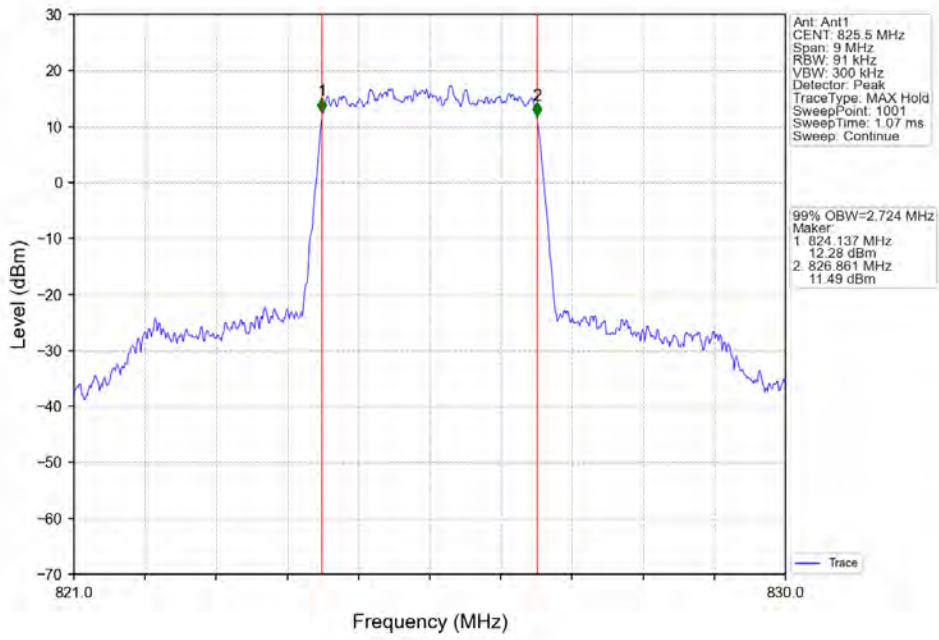
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



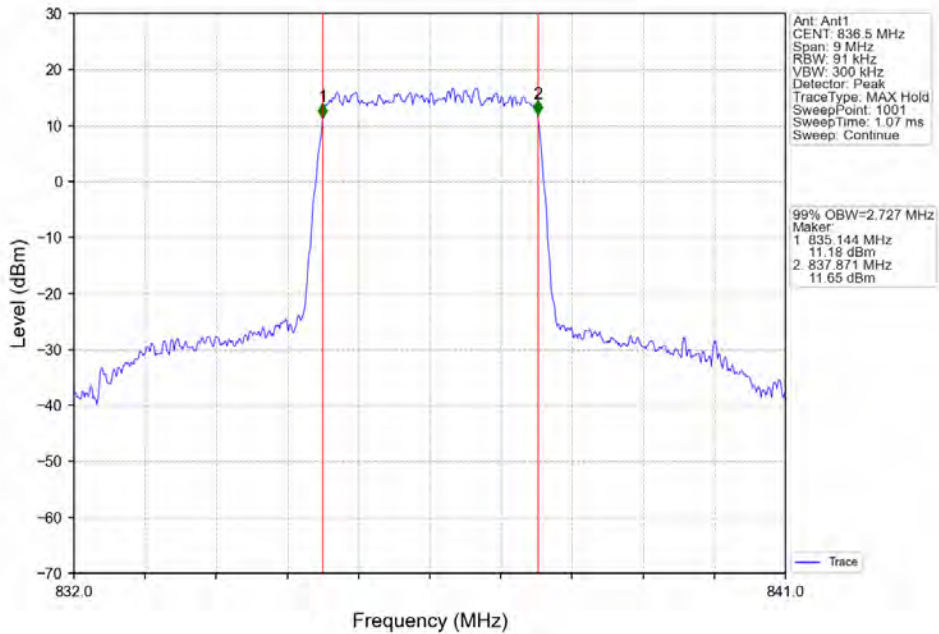
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



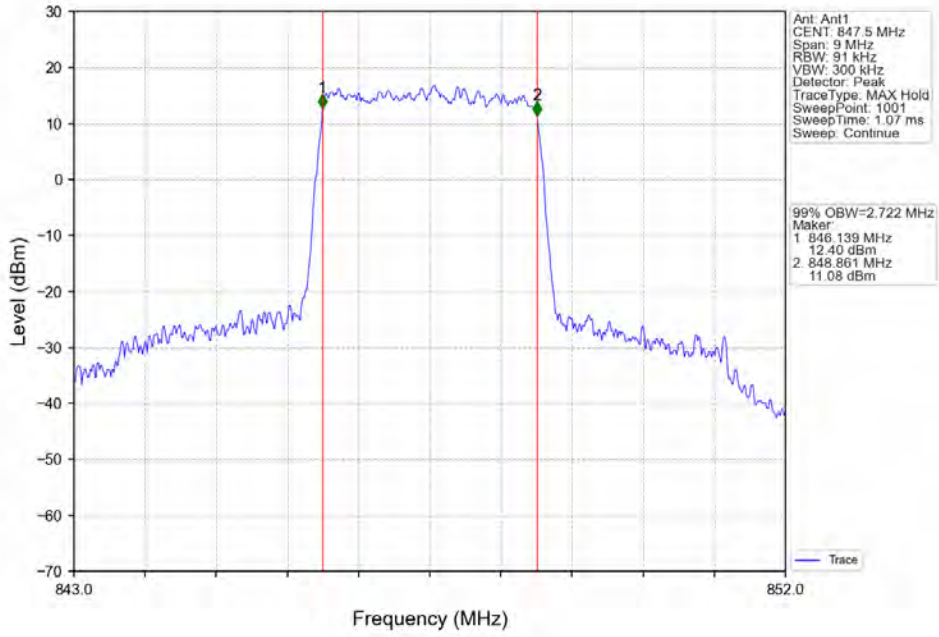
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



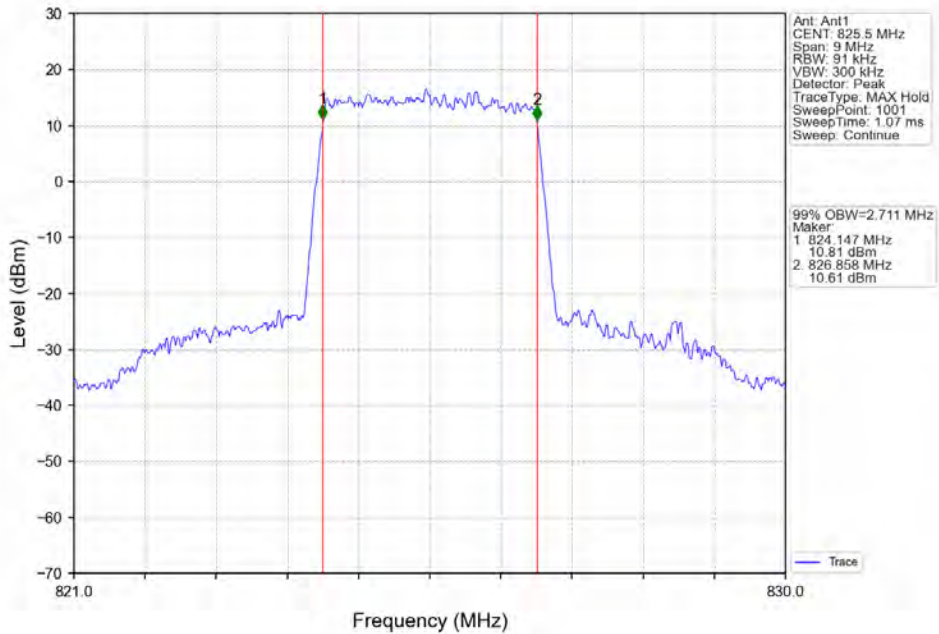
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



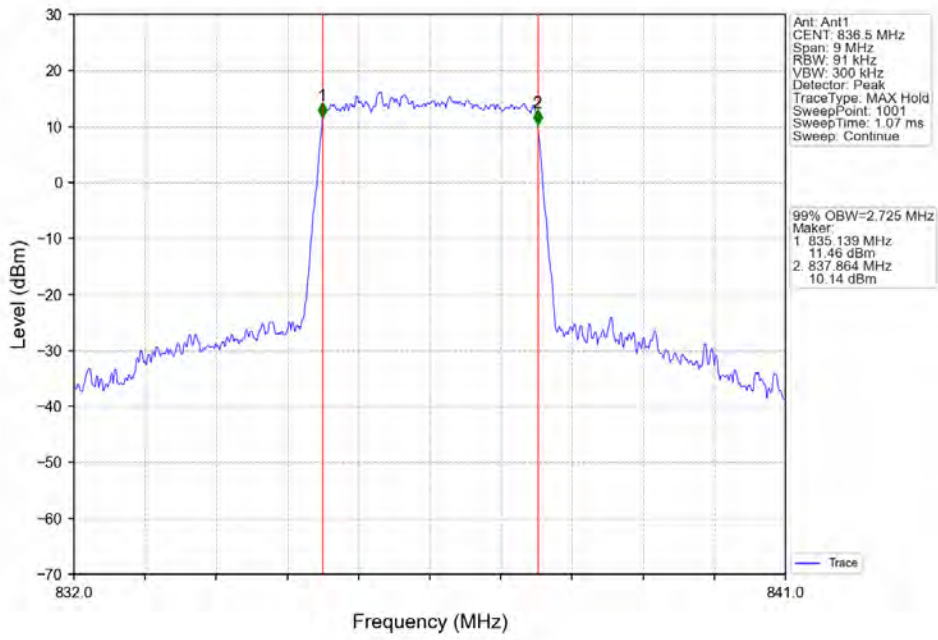
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



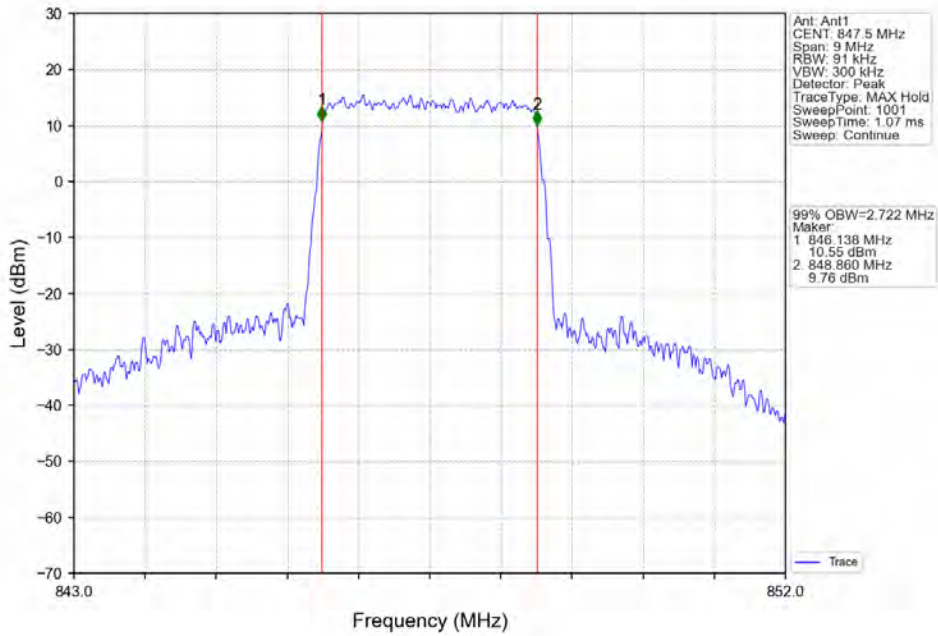
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



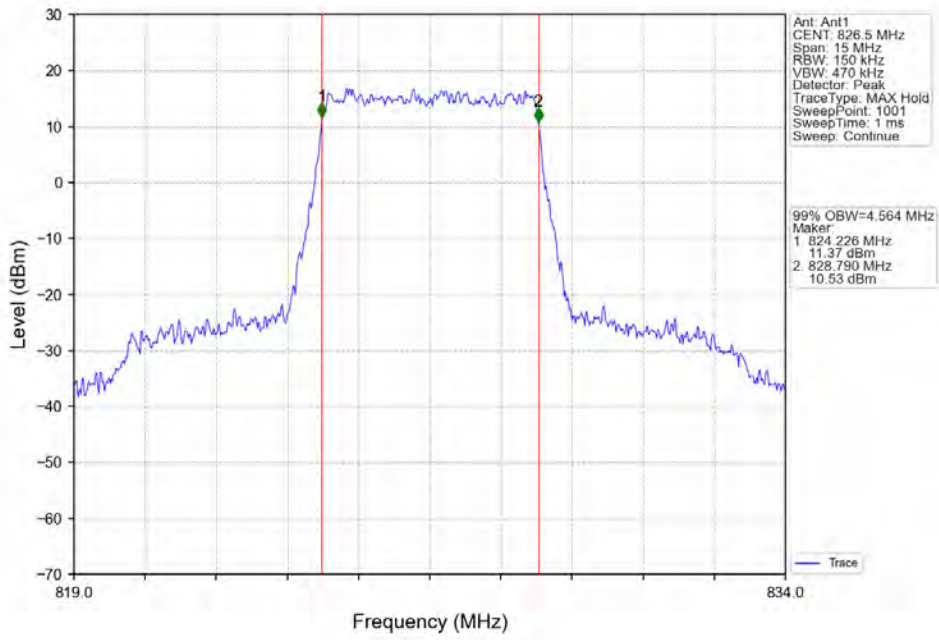
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



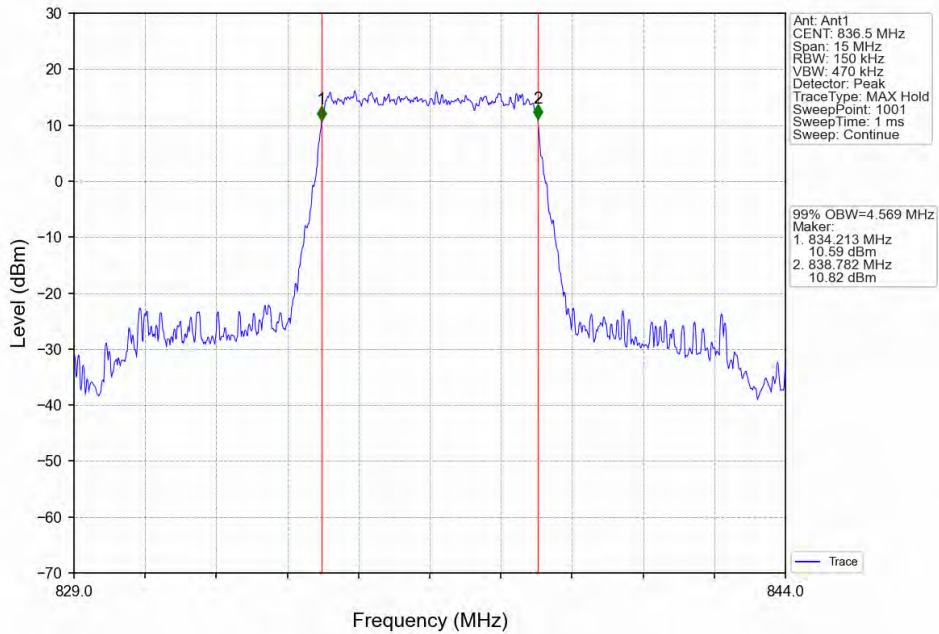
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



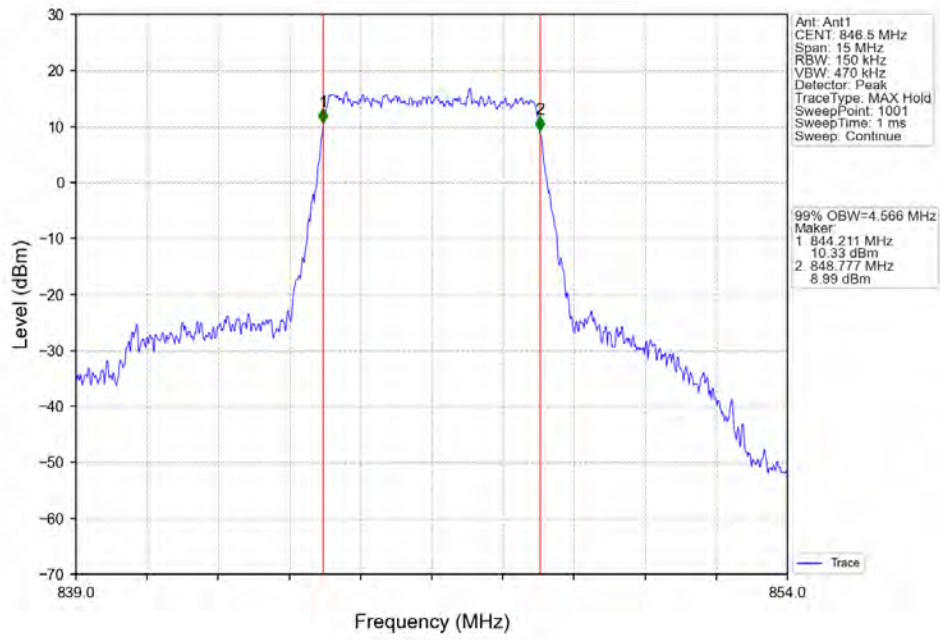
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



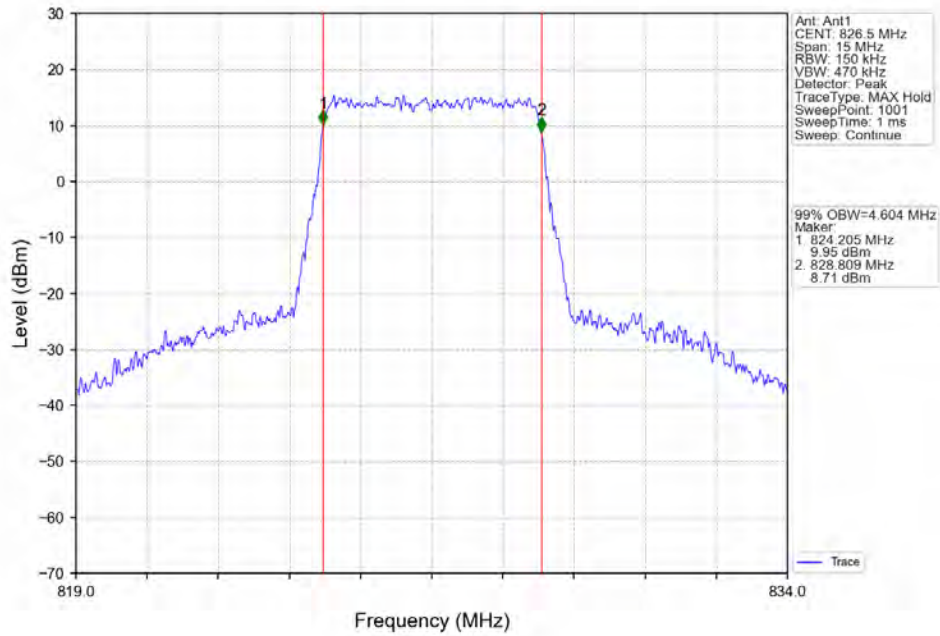
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



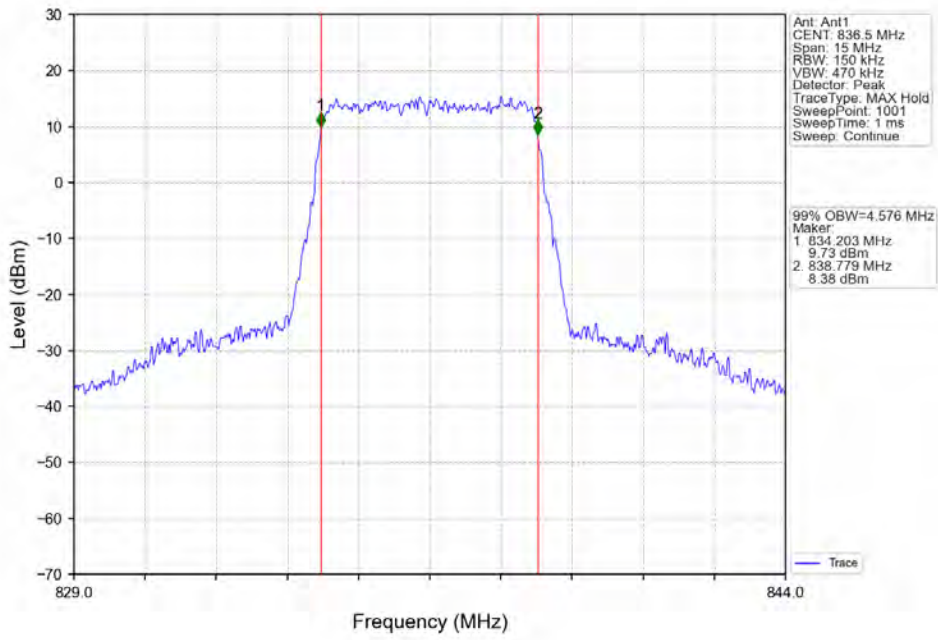
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



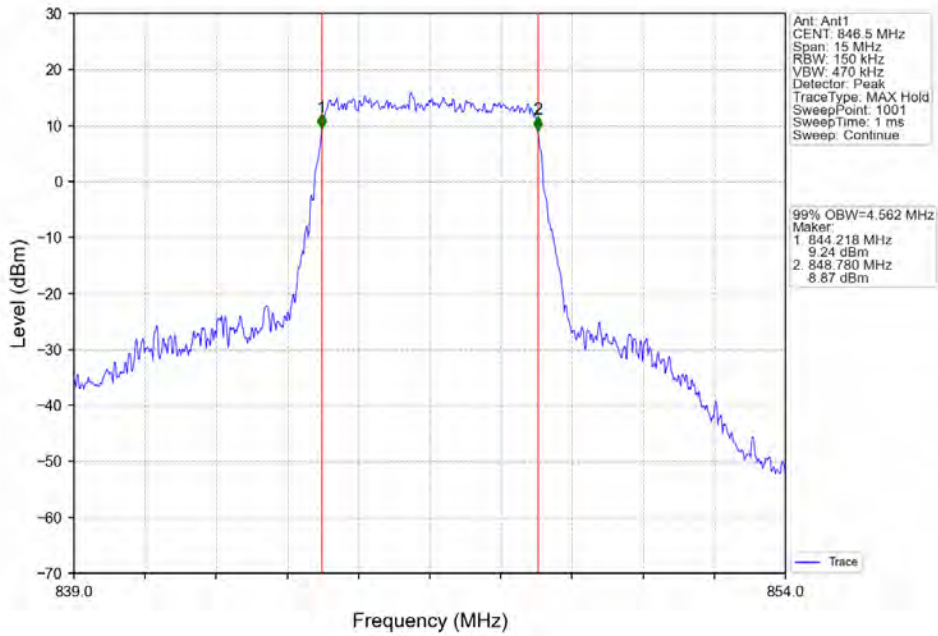
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



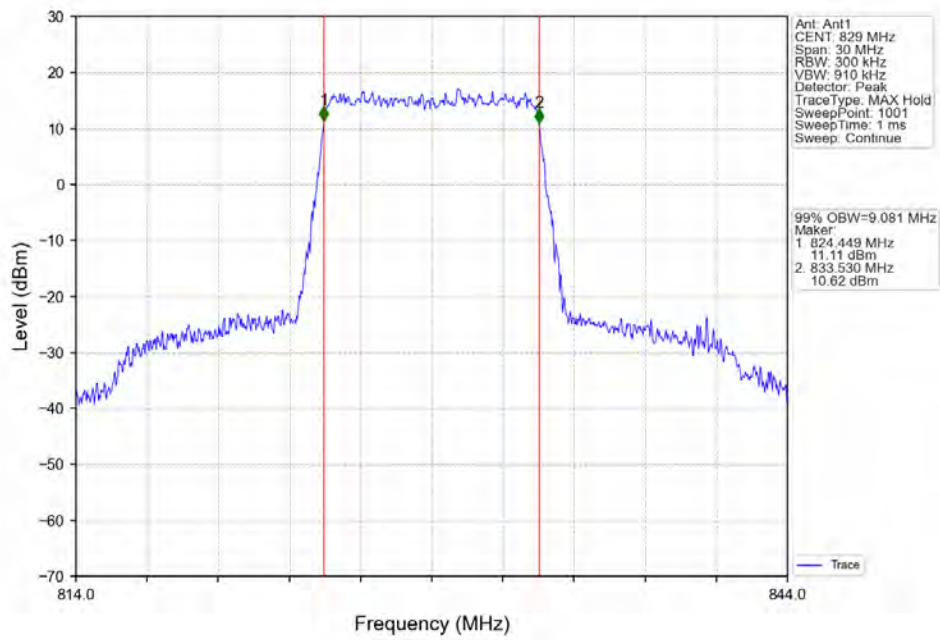
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



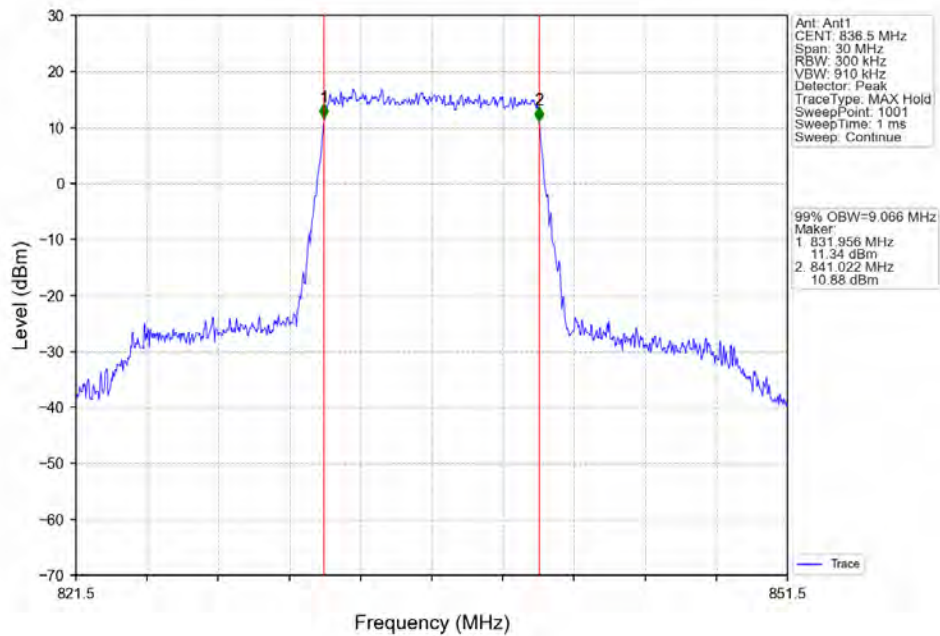
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



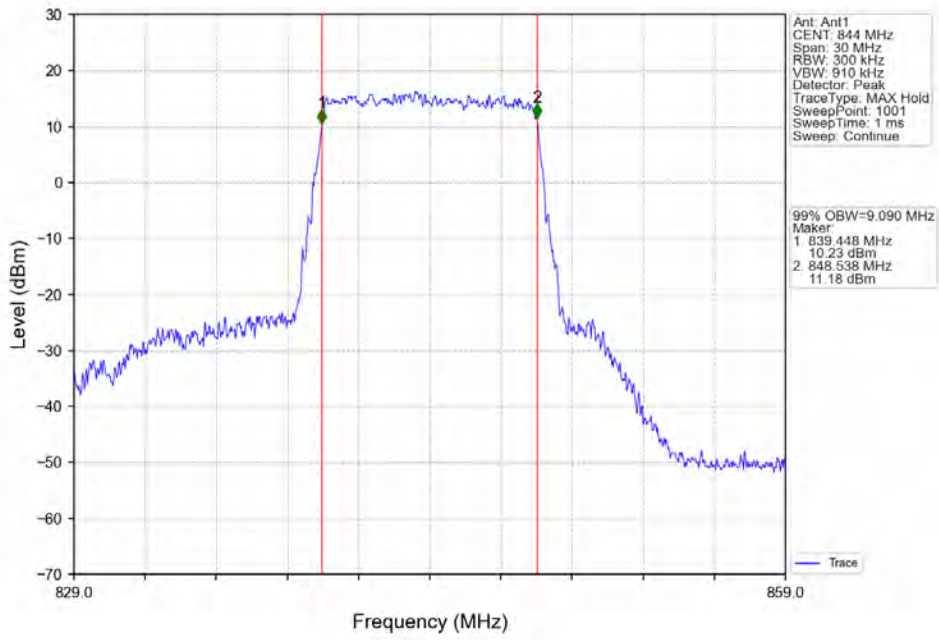
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



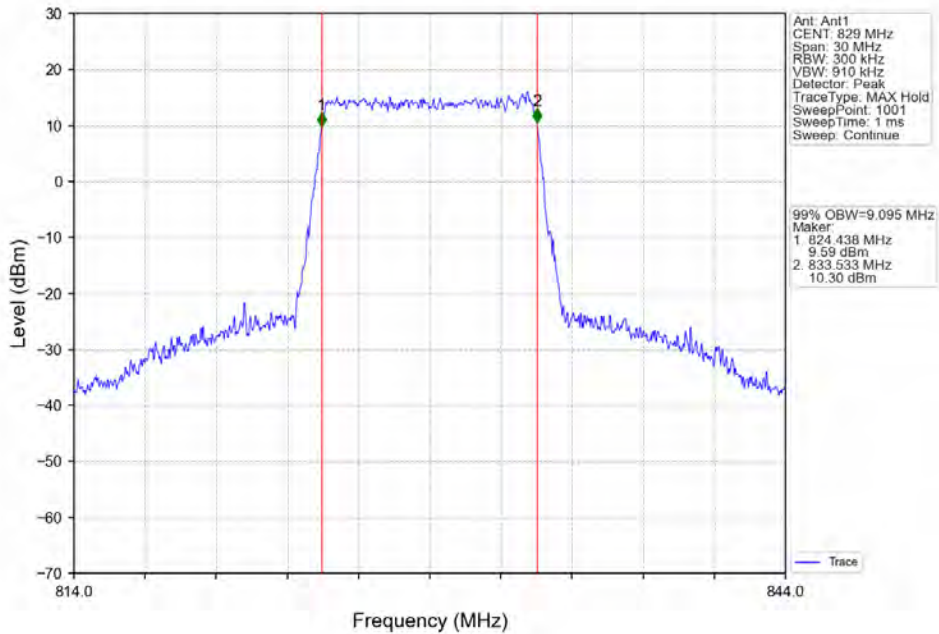
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



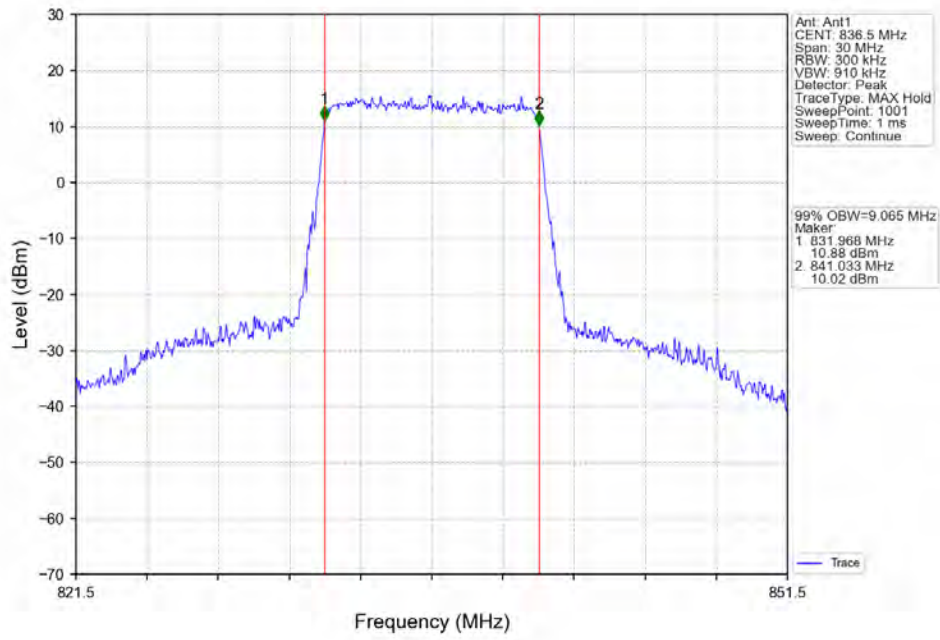
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



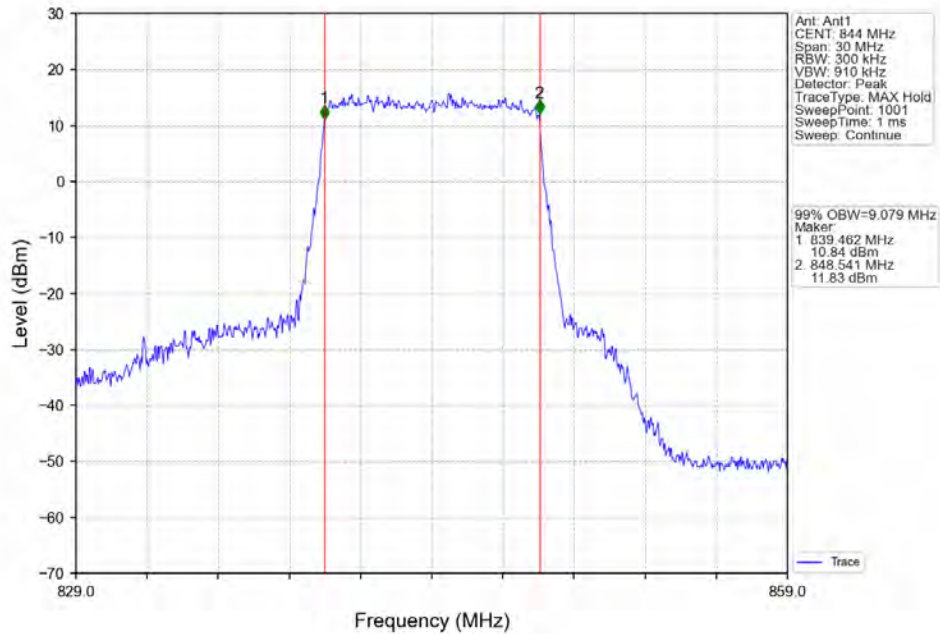
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

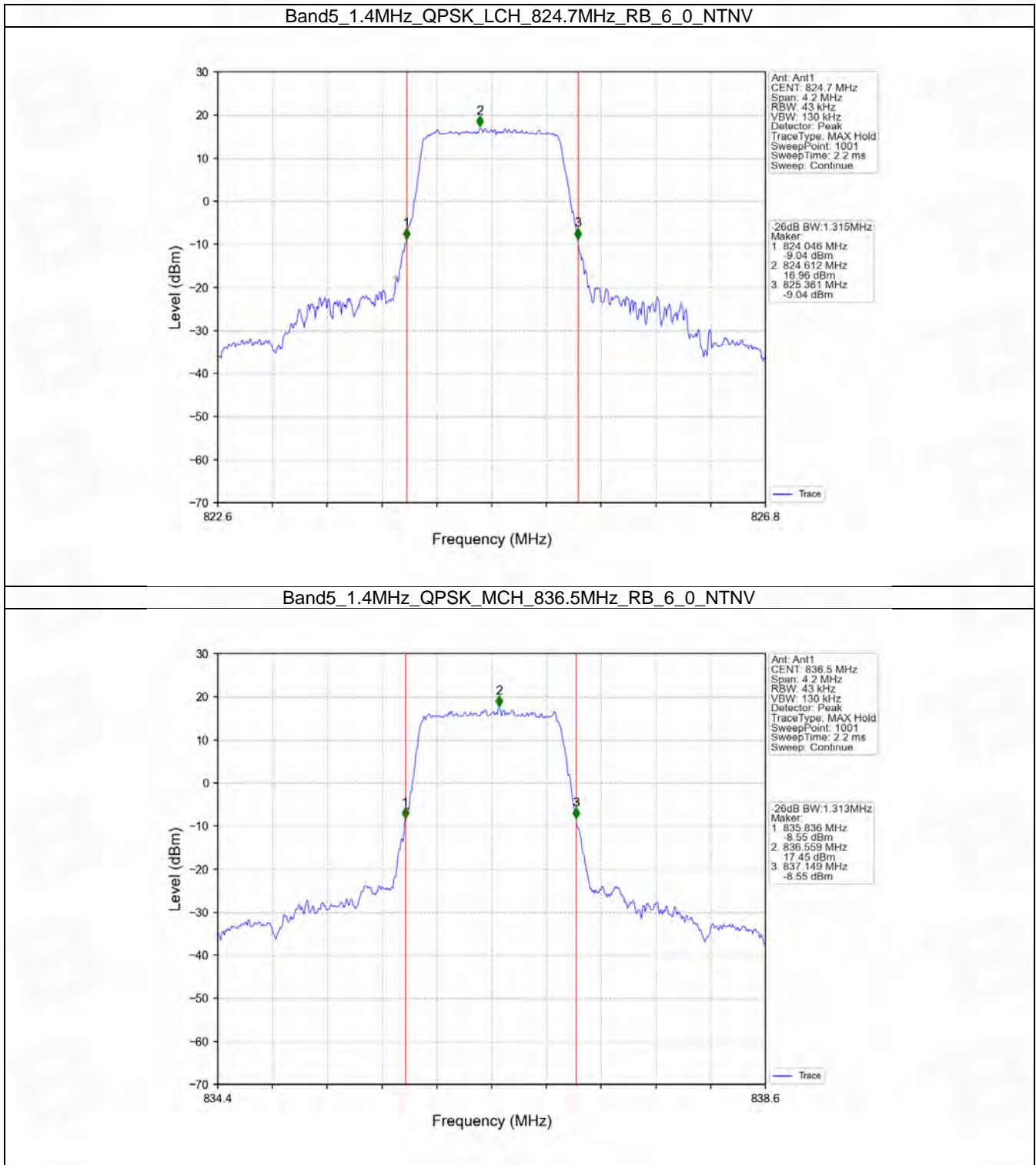


4.2 Band5_XDB

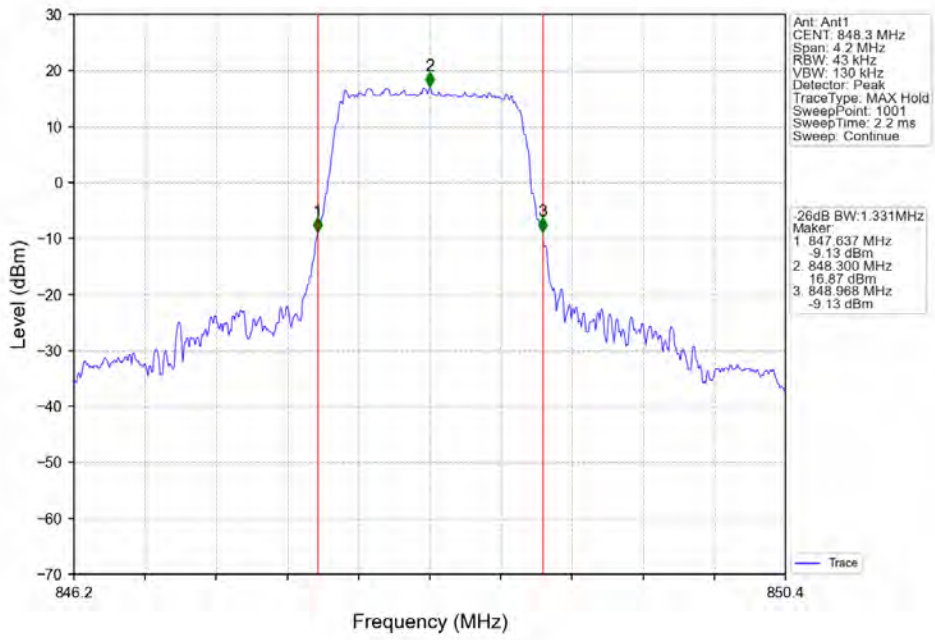
4.2.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.315	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.331	/	Pass
	16QAM	824.7	6	0	1.327	/	Pass
		836.5	6	0	1.311	/	Pass
		848.3	6	0	1.293	/	Pass
3	QPSK	825.5	15	0	2.995	/	Pass
		836.5	15	0	2.989	/	Pass
		847.5	15	0	2.980	/	Pass
	16QAM	825.5	15	0	2.997	/	Pass
		836.5	15	0	2.985	/	Pass
		847.5	15	0	3.018	/	Pass
5	QPSK	826.5	25	0	5.262	/	Pass
		836.5	25	0	5.285	/	Pass
		846.5	25	0	5.255	/	Pass
	16QAM	826.5	25	0	5.326	/	Pass
		836.5	25	0	5.309	/	Pass
		846.5	25	0	5.249	/	Pass
10	QPSK	829	50	0	10.236	/	Pass
		836.5	50	0	10.238	/	Pass
		844	50	0	10.275	/	Pass
	16QAM	829	50	0	10.315	/	Pass
		836.5	50	0	10.237	/	Pass
		844	50	0	10.157	/	Pass

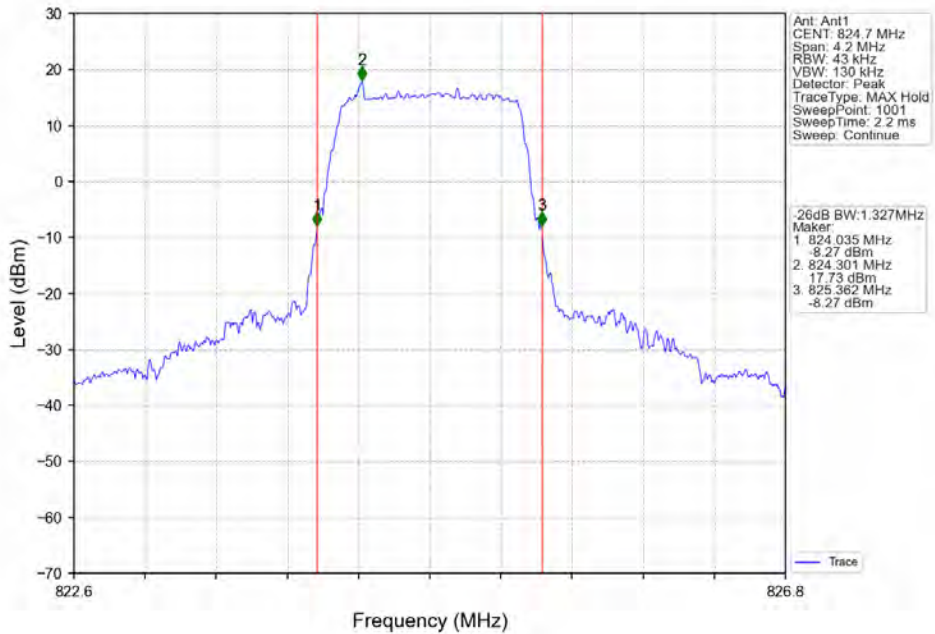
4.2.2 Test Graph



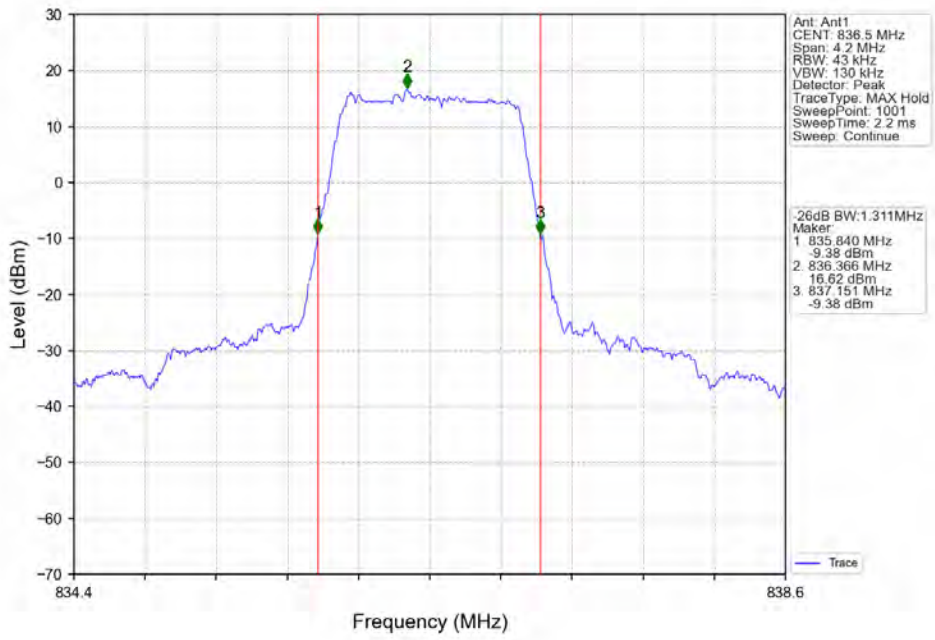
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



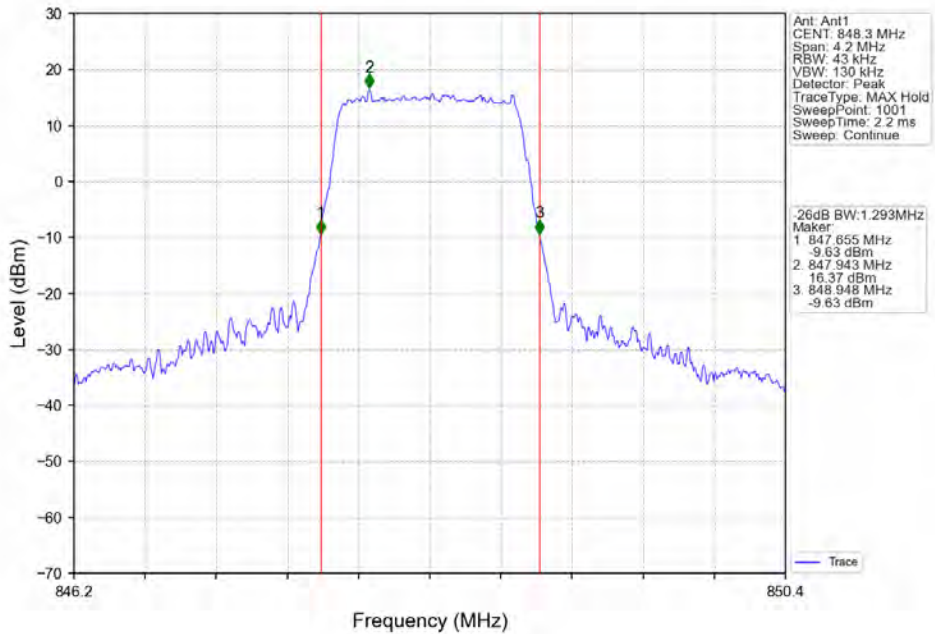
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



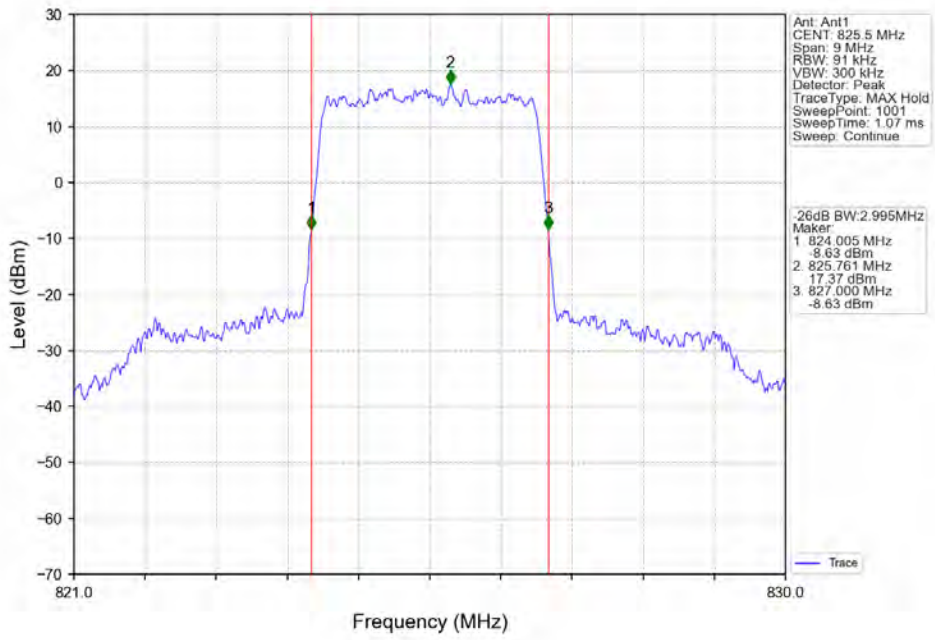
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



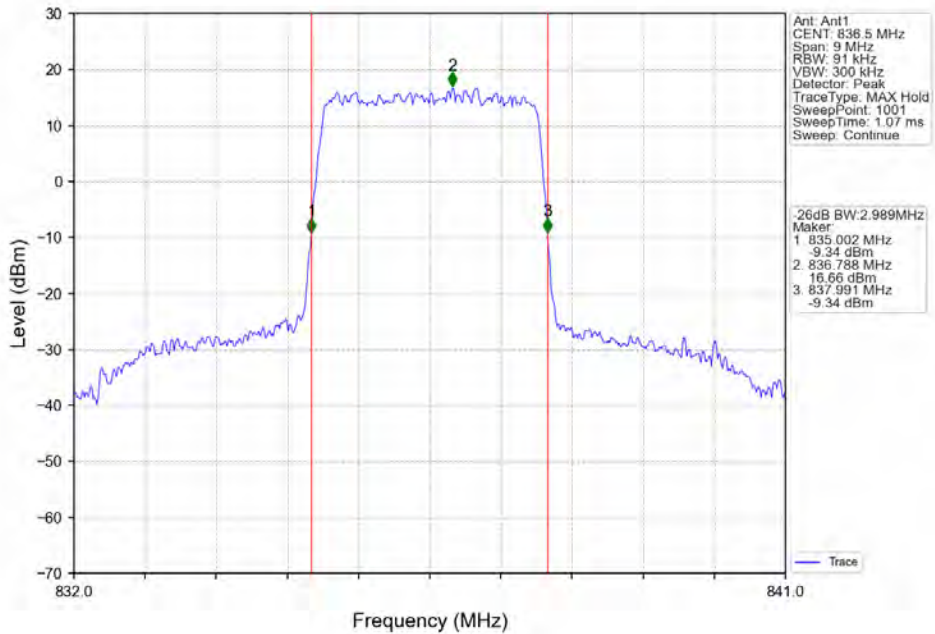
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



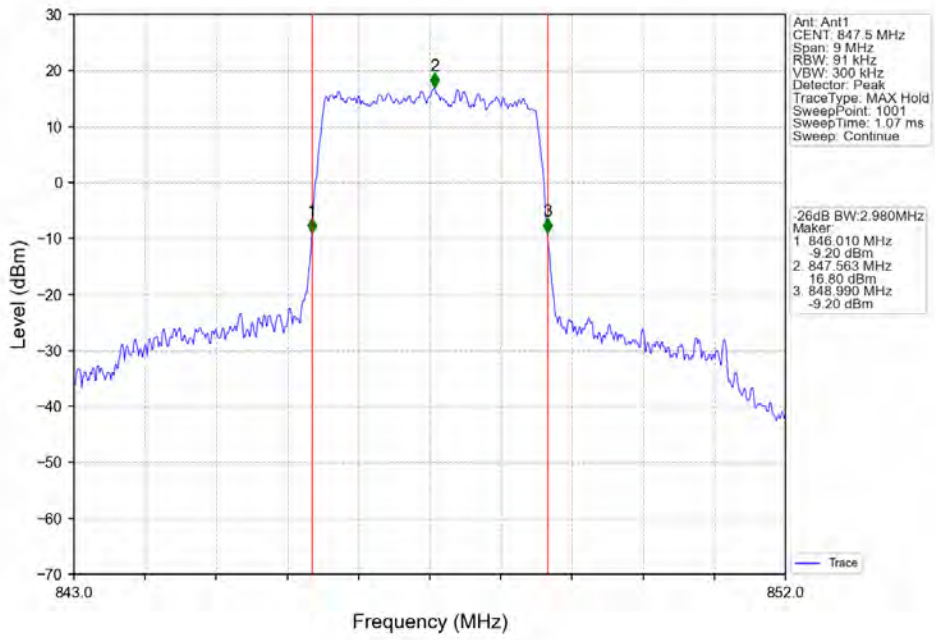
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



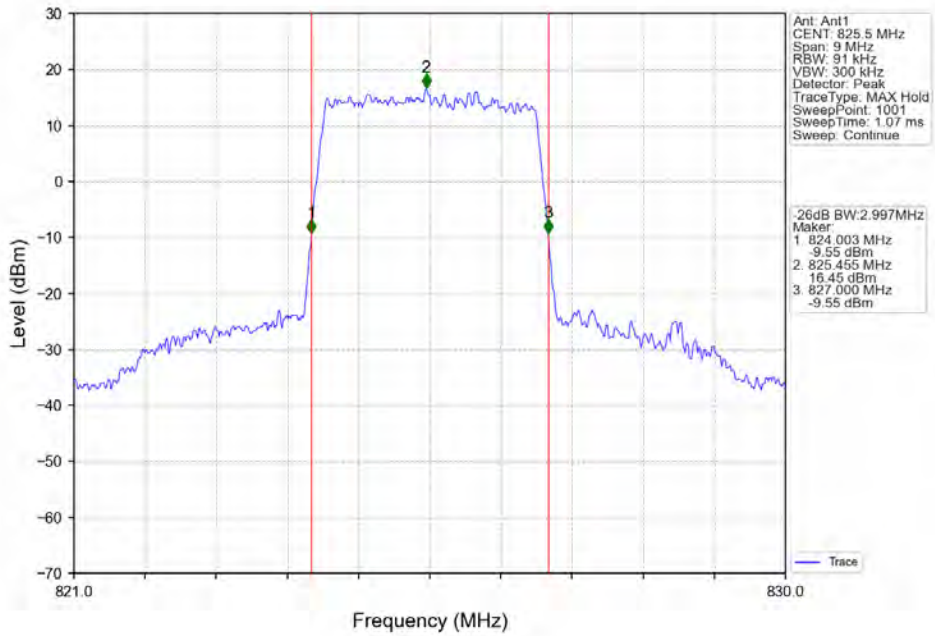
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



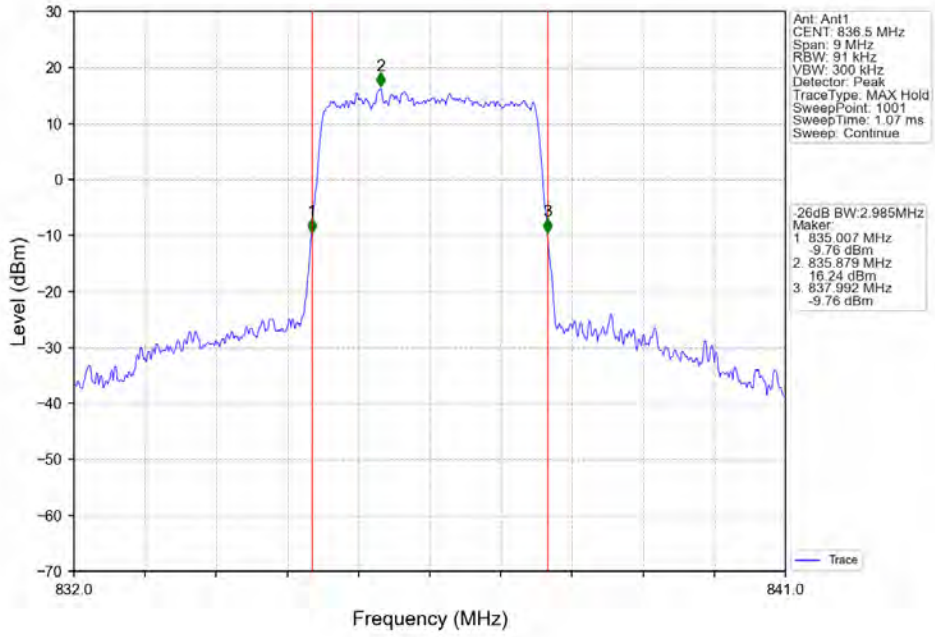
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



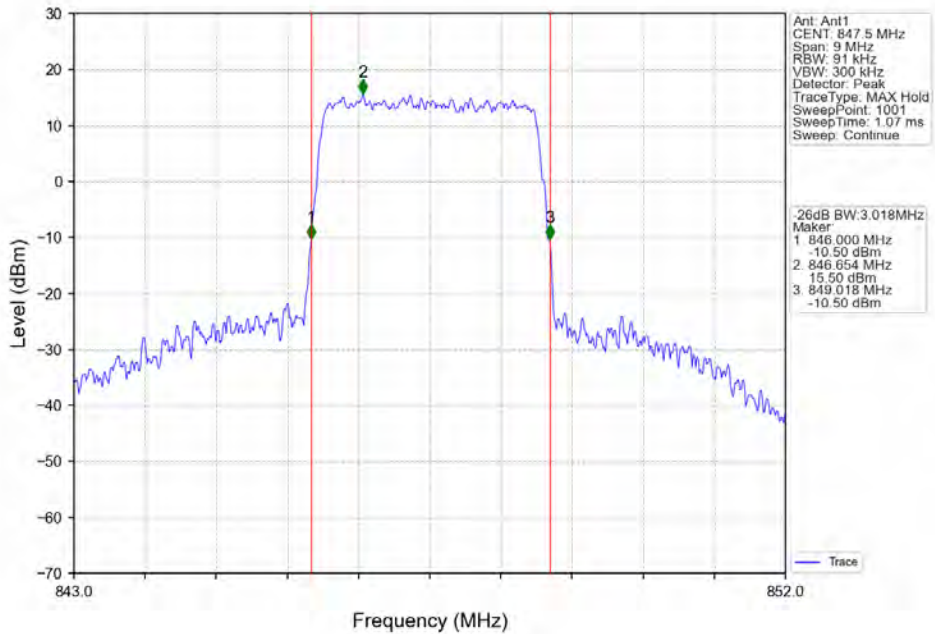
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



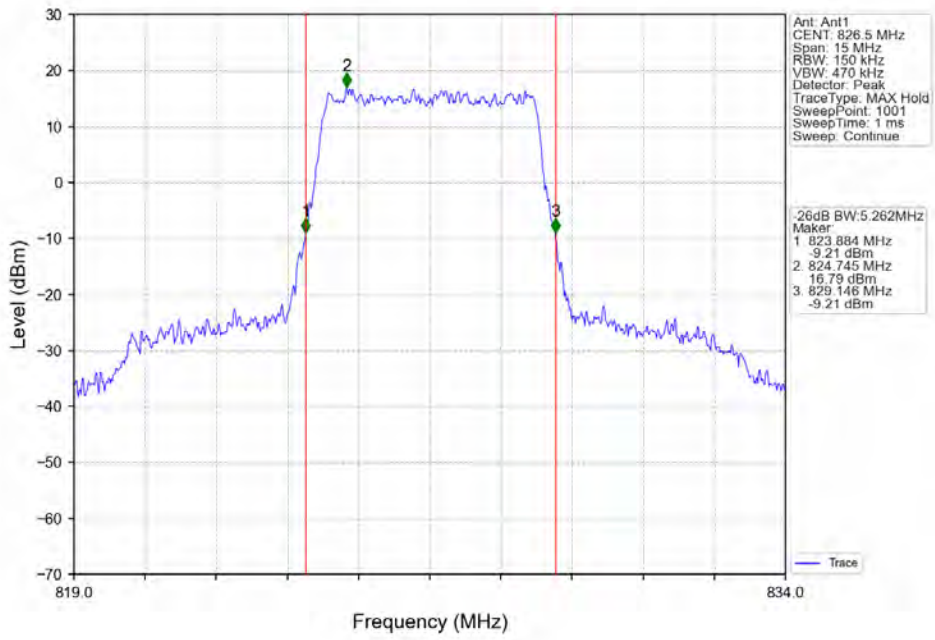
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



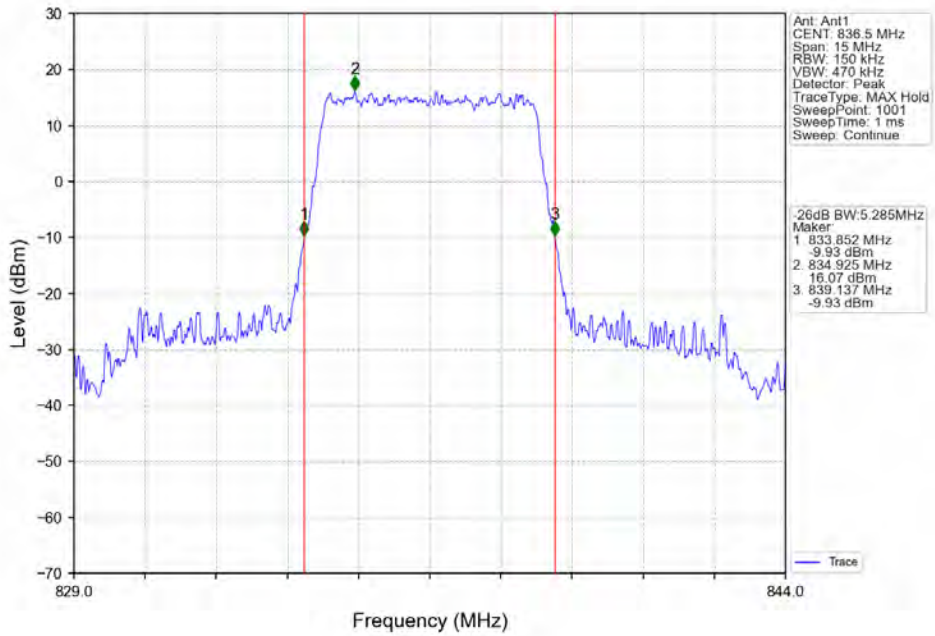
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



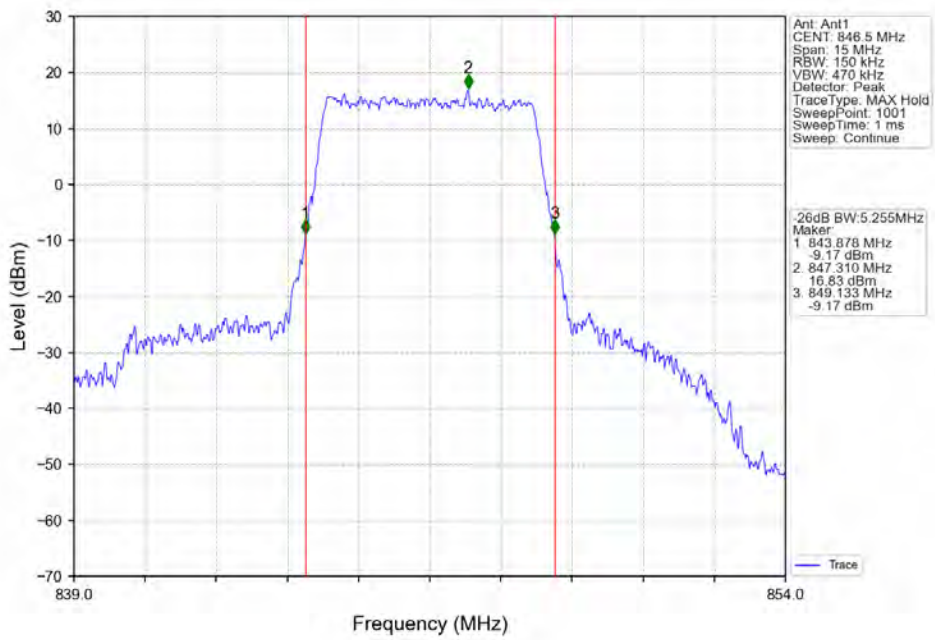
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



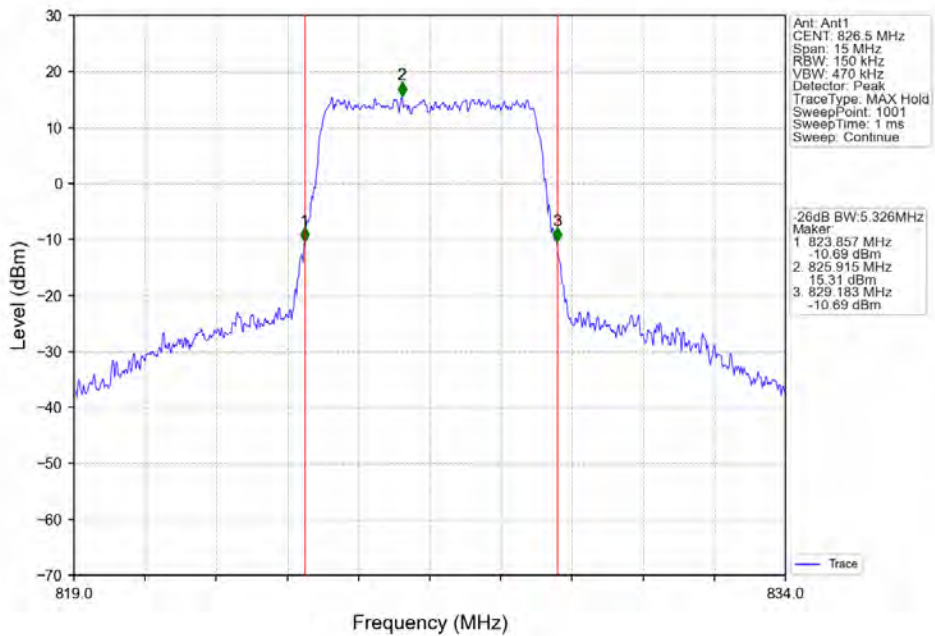
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



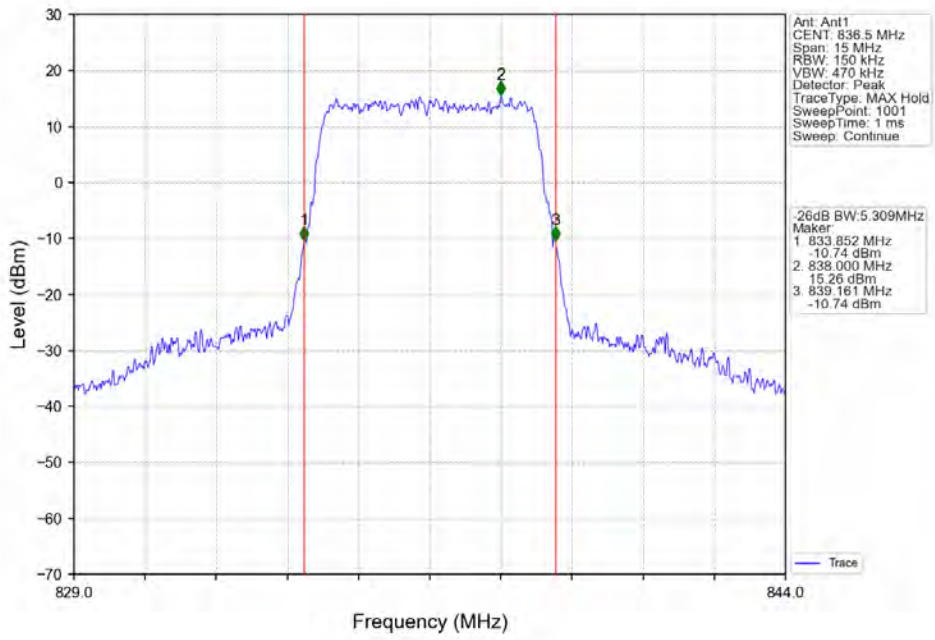
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



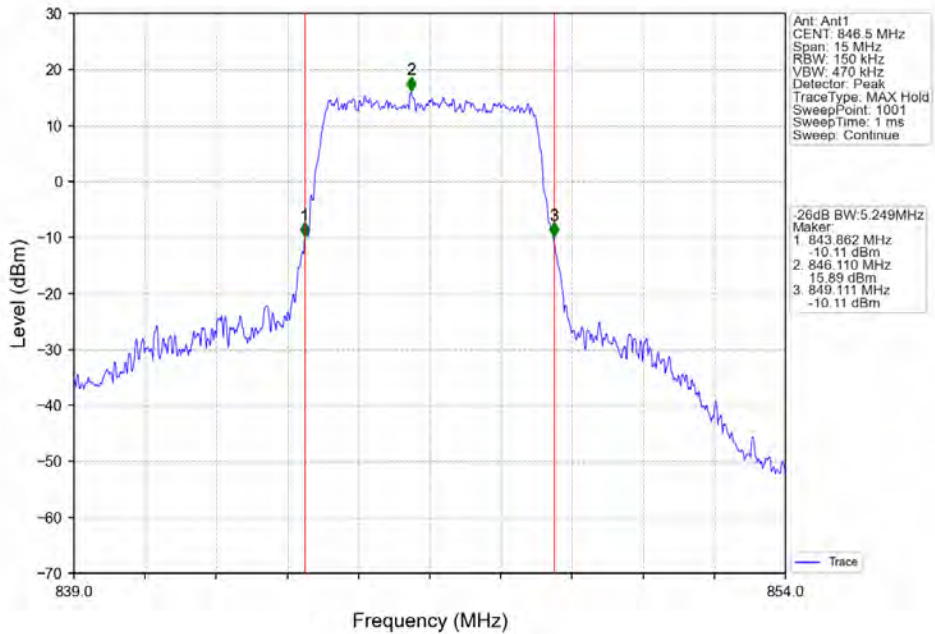
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



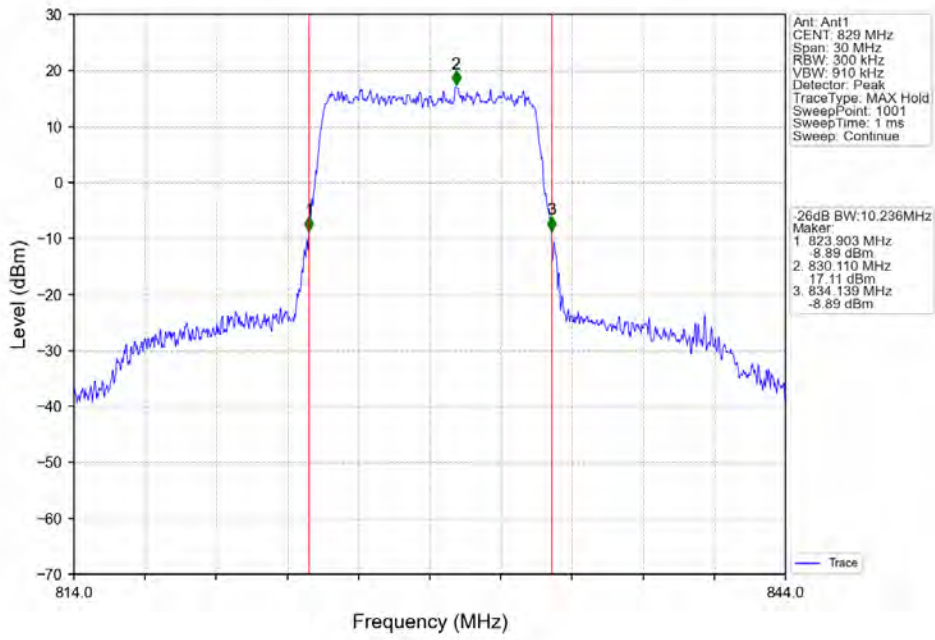
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



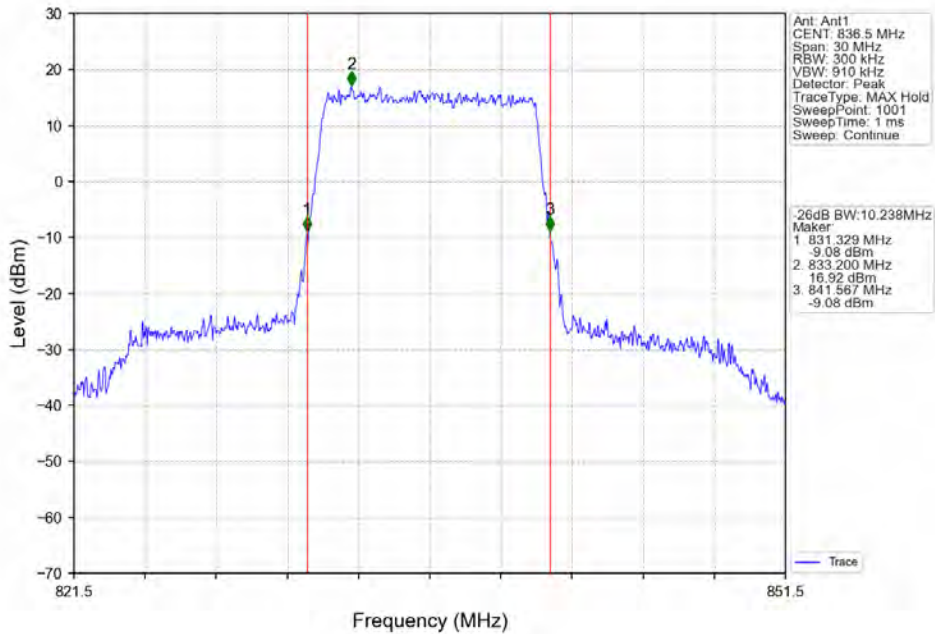
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



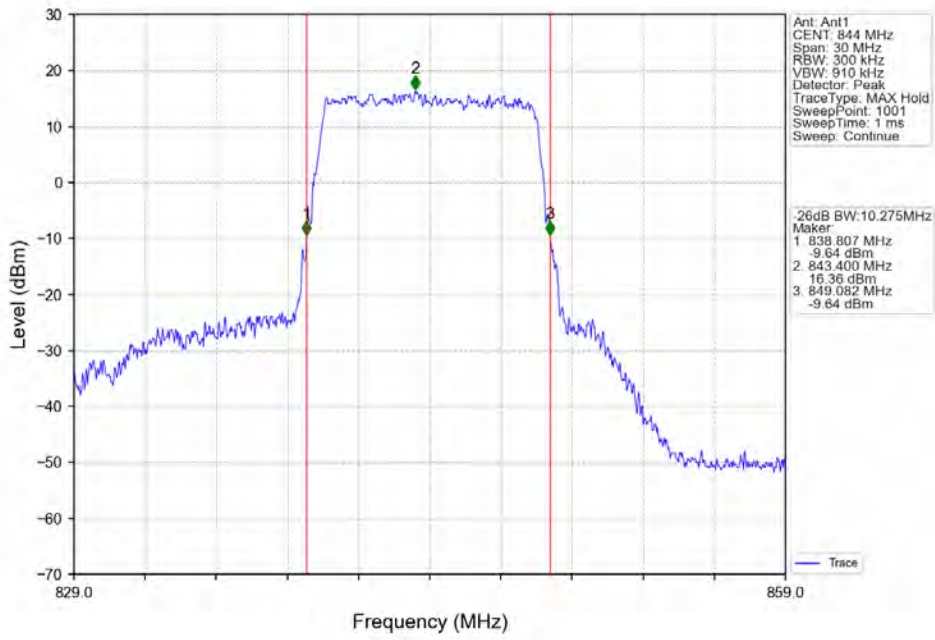
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



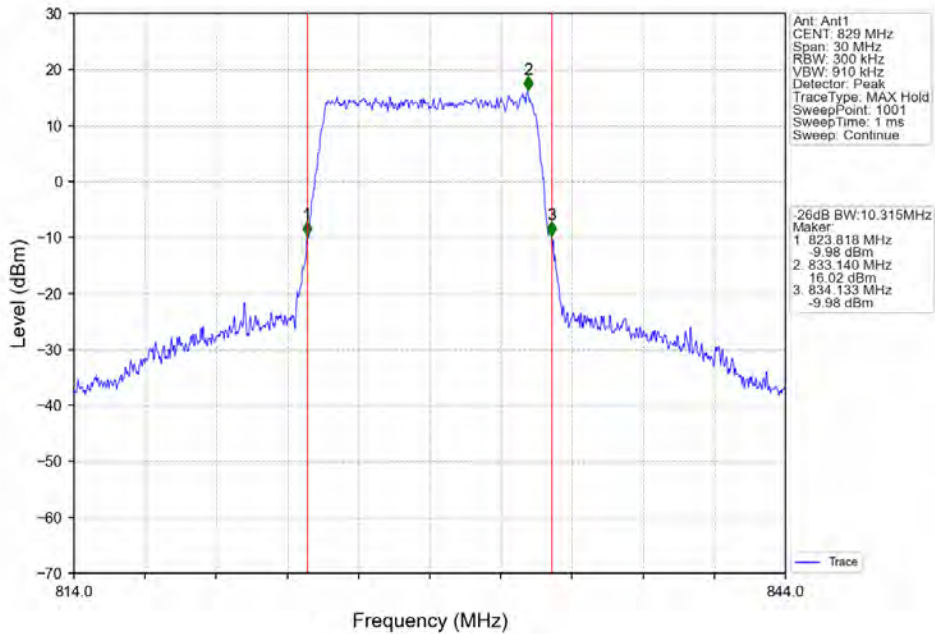
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



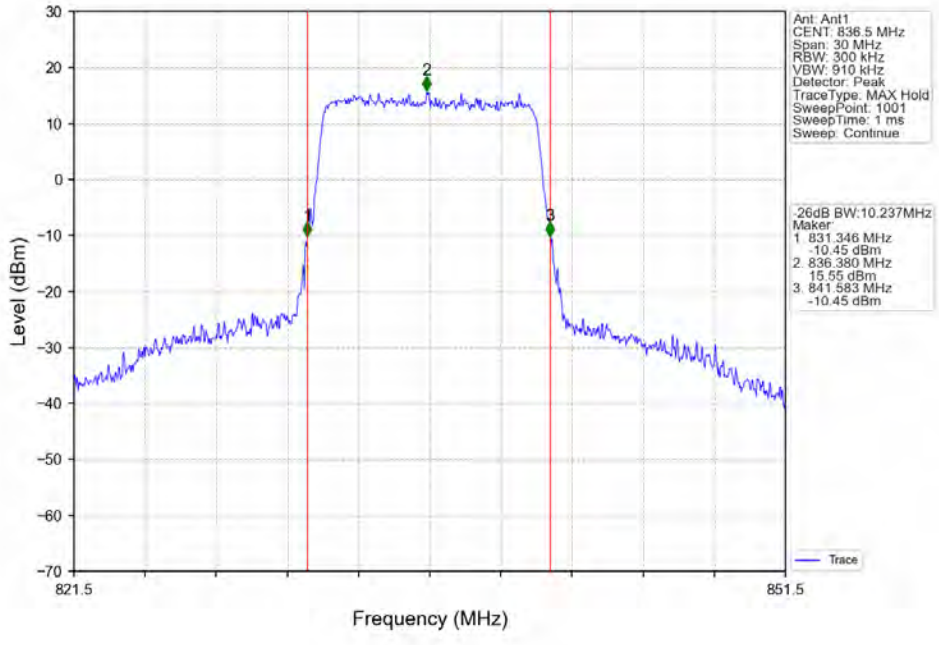
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



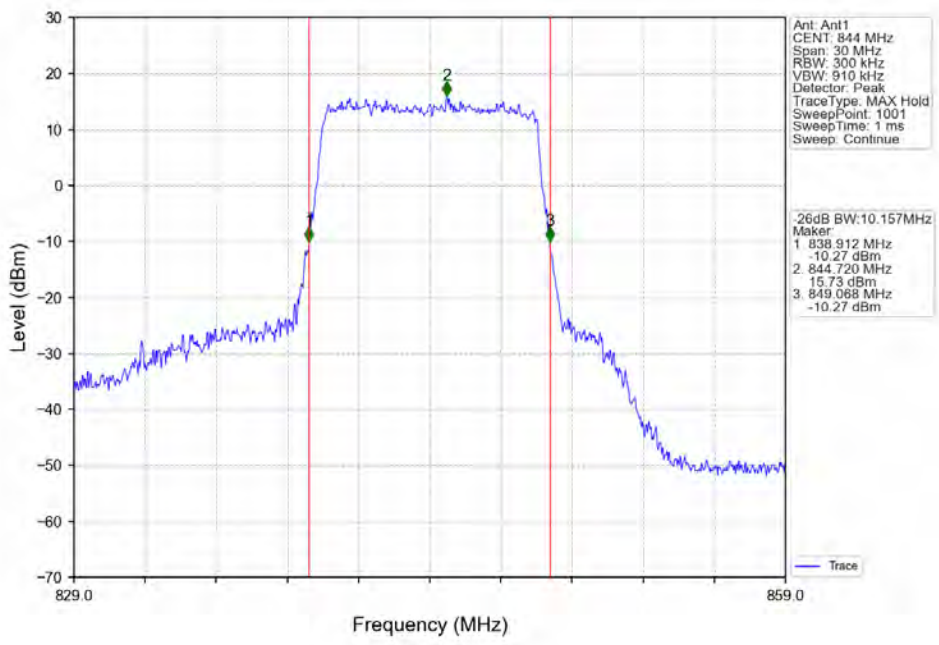
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



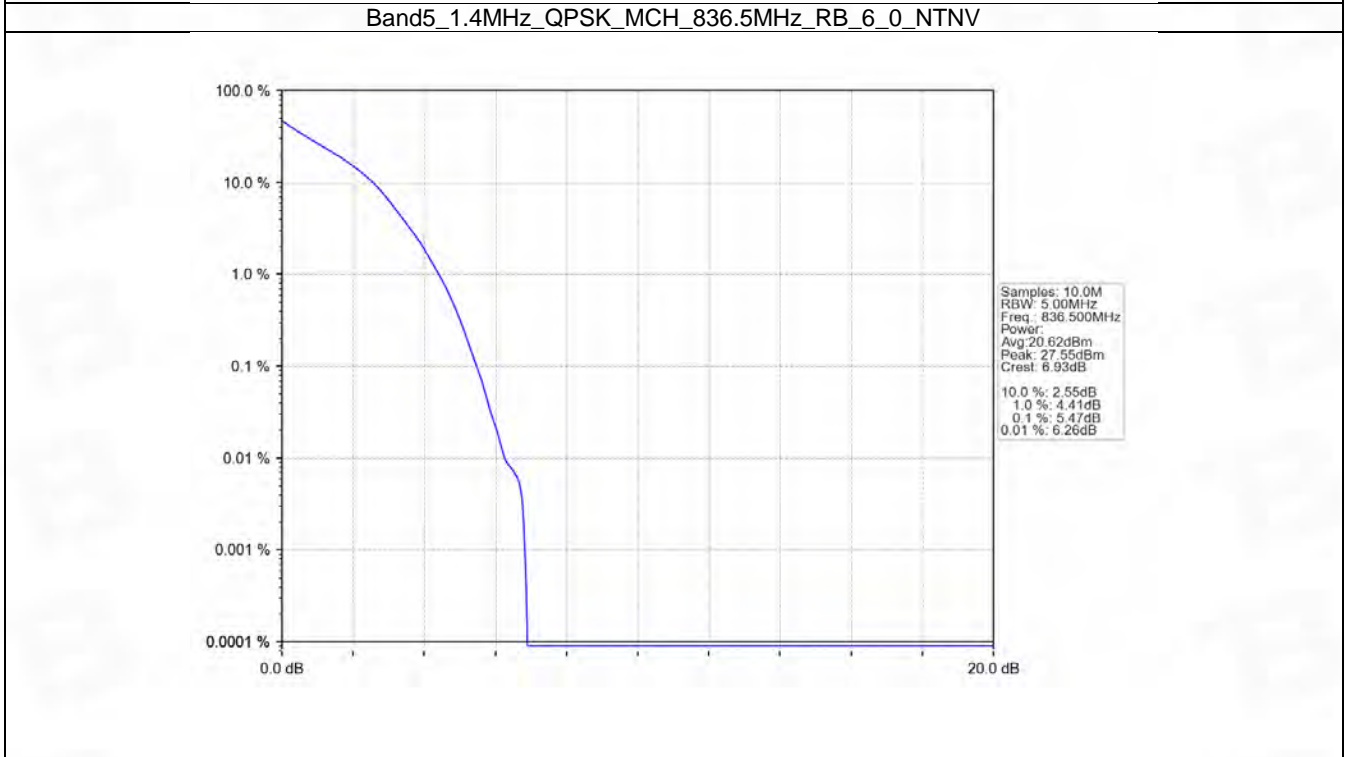
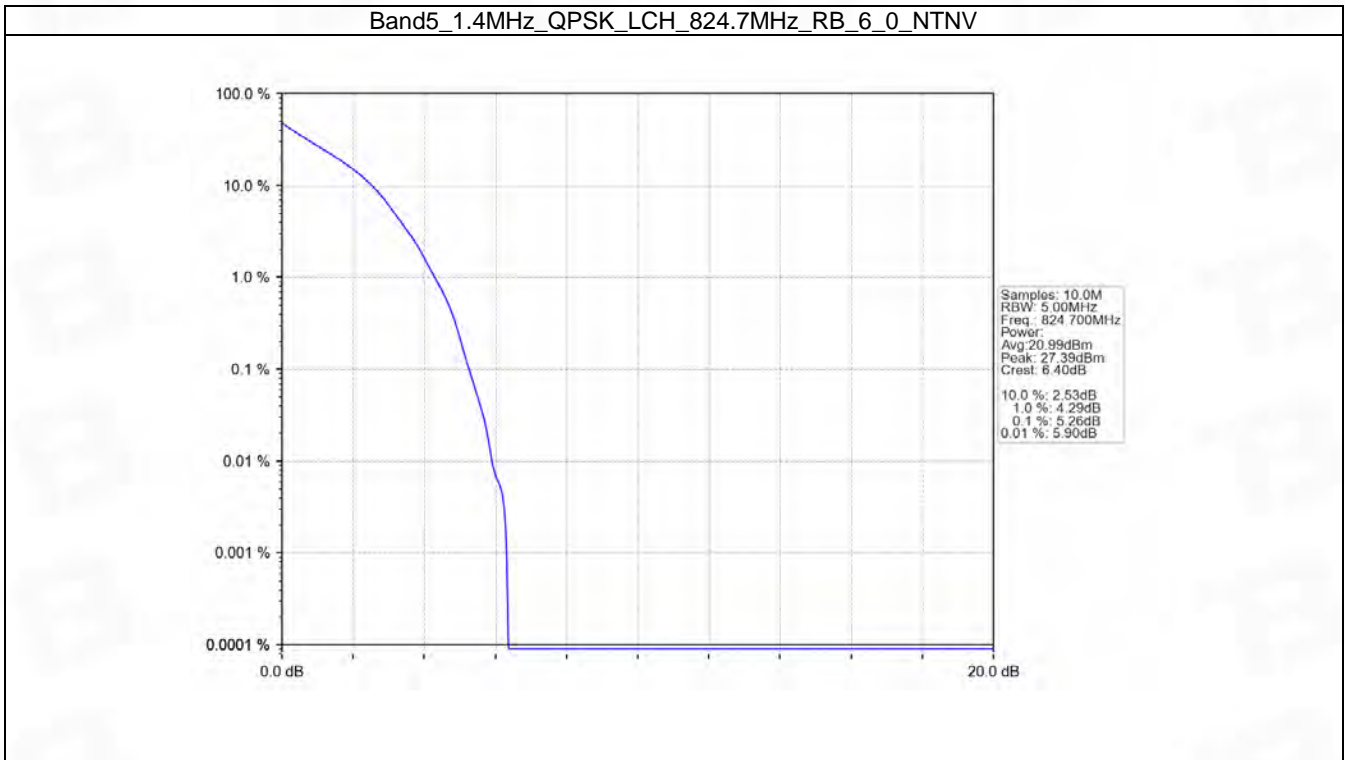
5. Peak-Average Ratio

5.1 B5_1.4MHz

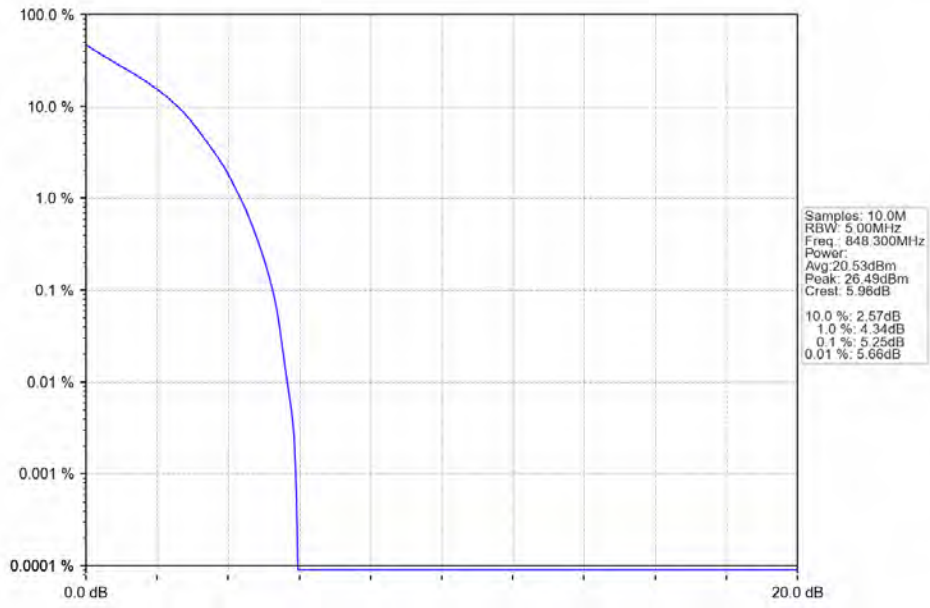
5.1.1 Test Result

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	5.26	<=13	Pass
	836.5	6	0	5.47	<=13	Pass
	848.3	6	0	5.25	<=13	Pass
16QAM	824.7	6	0	6.09	<=13	Pass
	836.5	6	0	6.19	<=13	Pass
	848.3	6	0	6.09	<=13	Pass

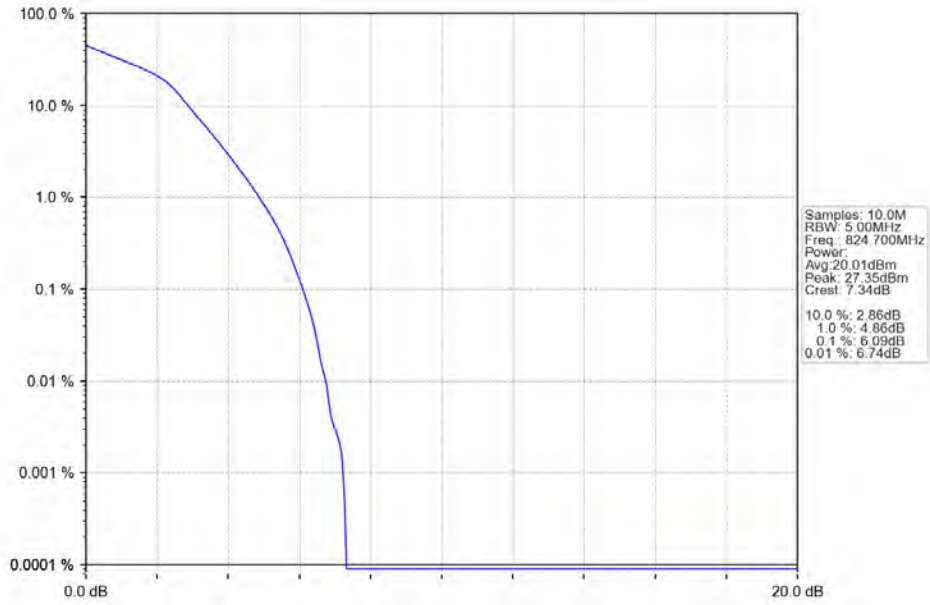
5.1.2 Test Graph



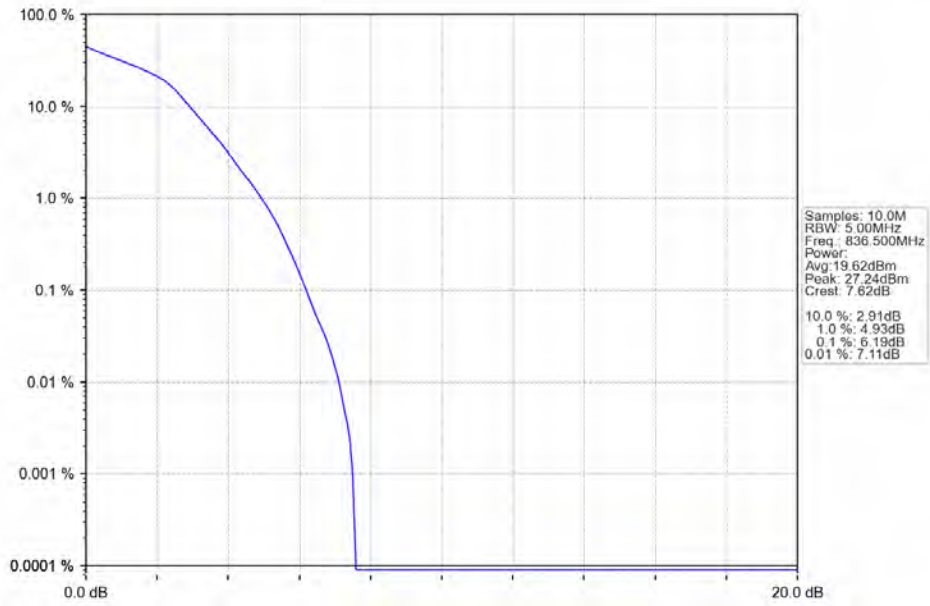
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



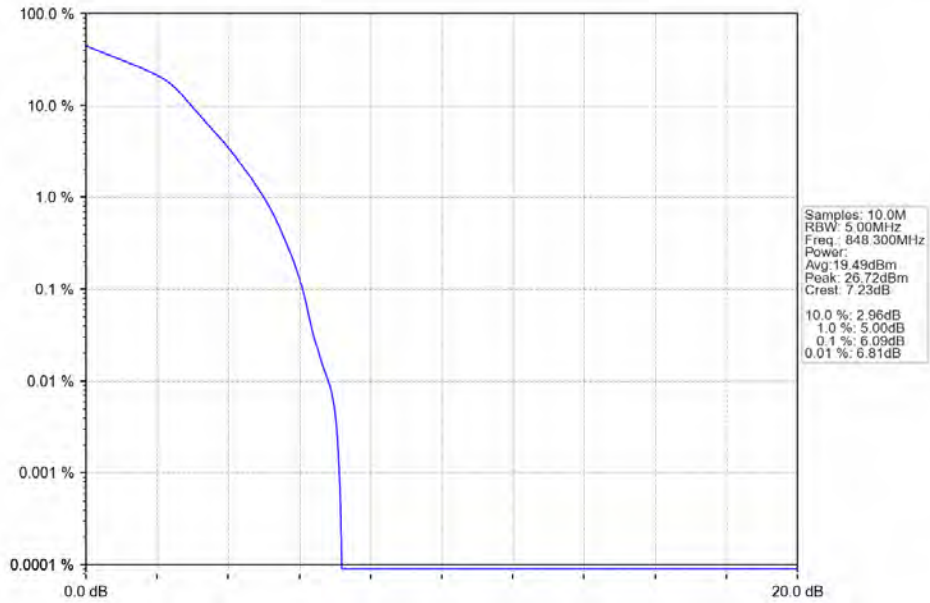
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

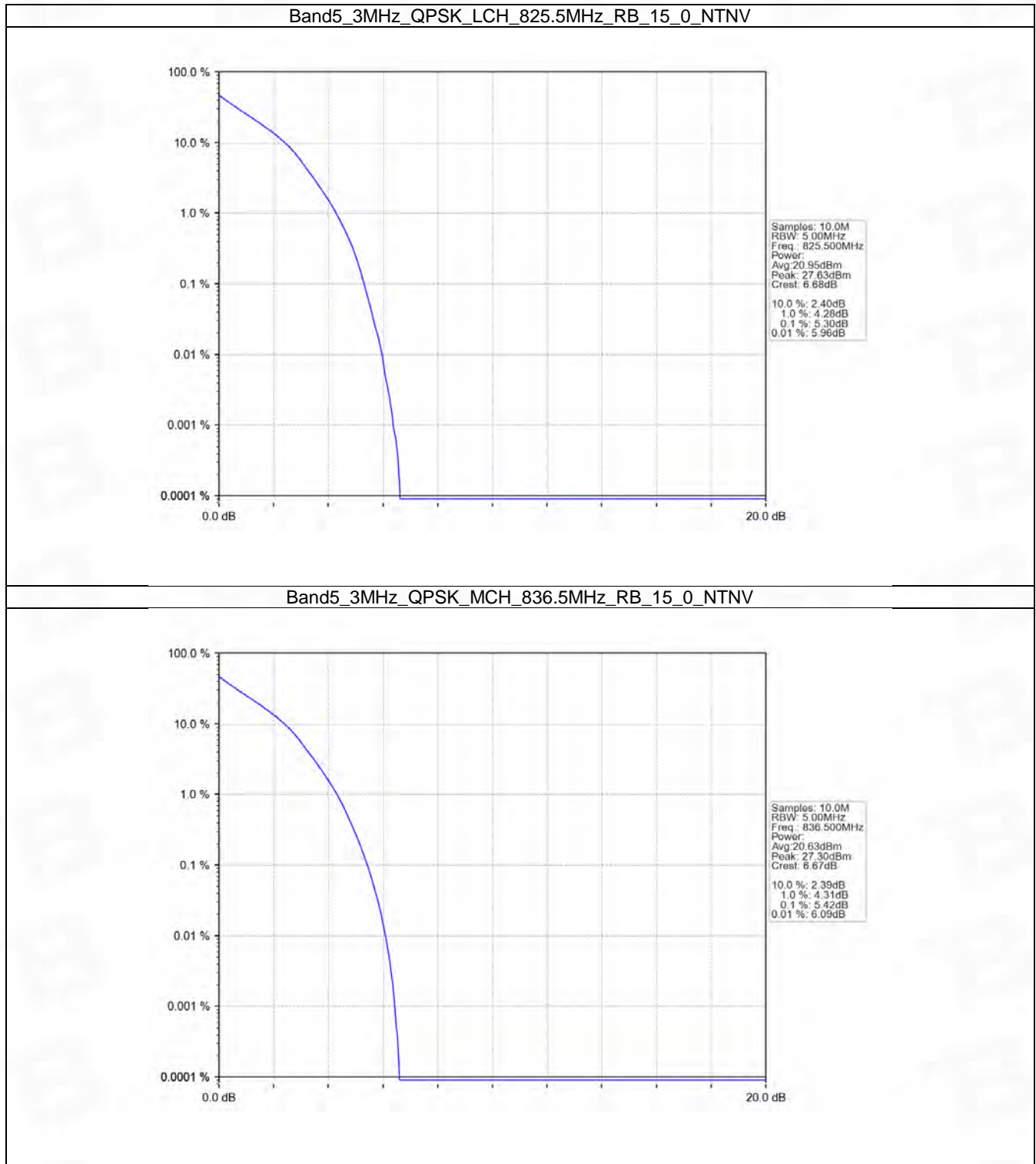


5.2 B5_3MHz

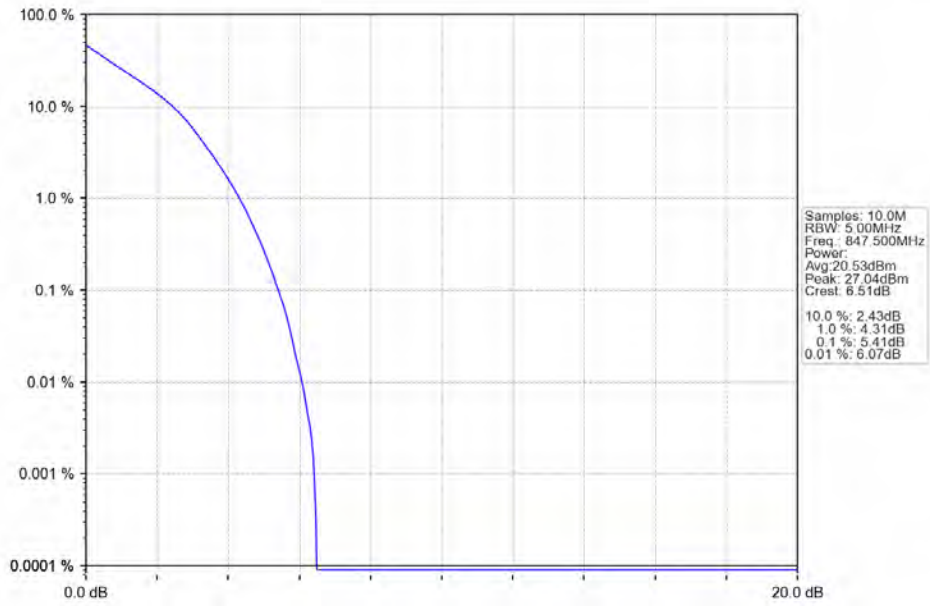
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.30	<=13	Pass
	836.5	15	0	5.42	<=13	Pass
	847.5	15	0	5.41	<=13	Pass
16QAM	825.5	15	0	6.10	<=13	Pass
	836.5	15	0	6.26	<=13	Pass
	847.5	15	0	6.22	<=13	Pass

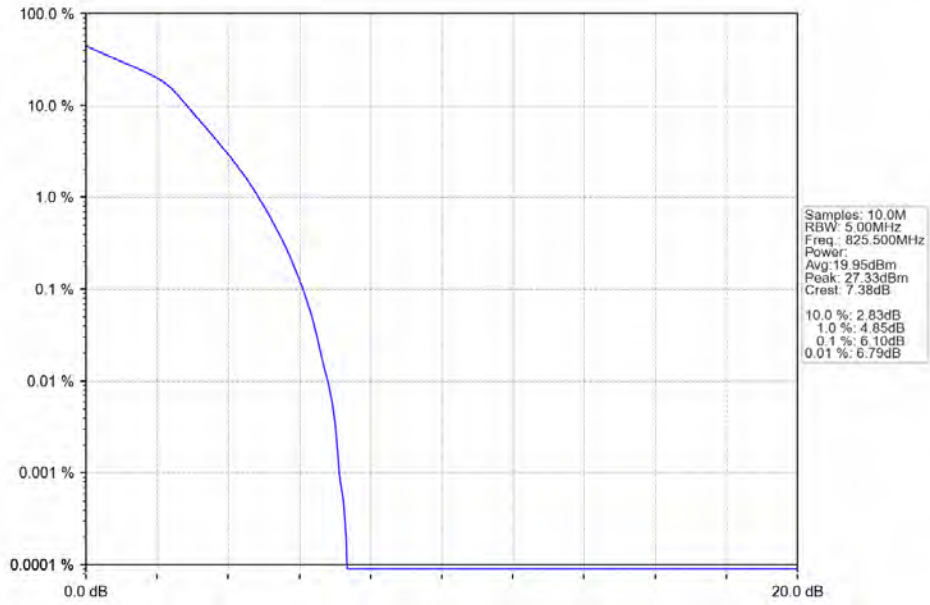
5.2.2 Test Graph



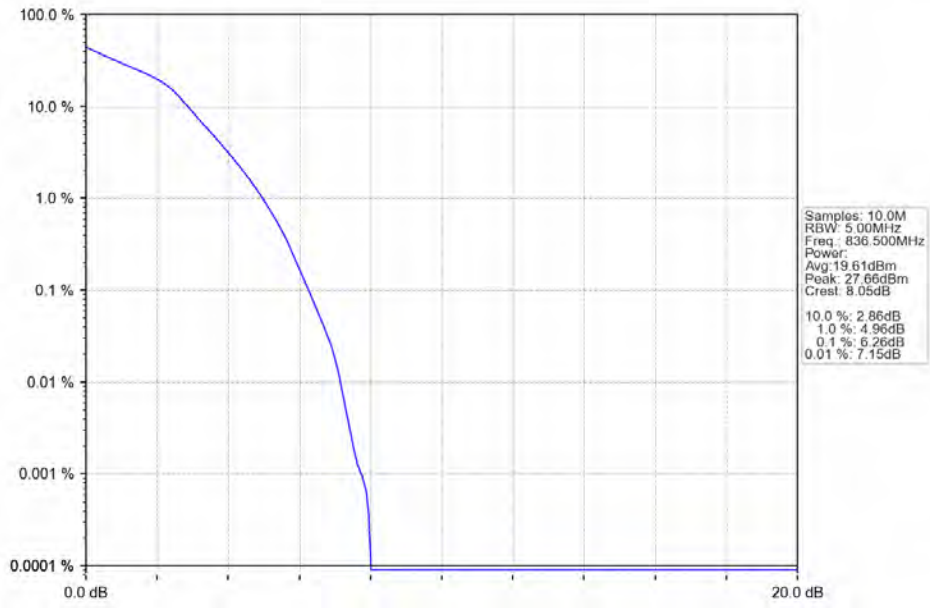
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



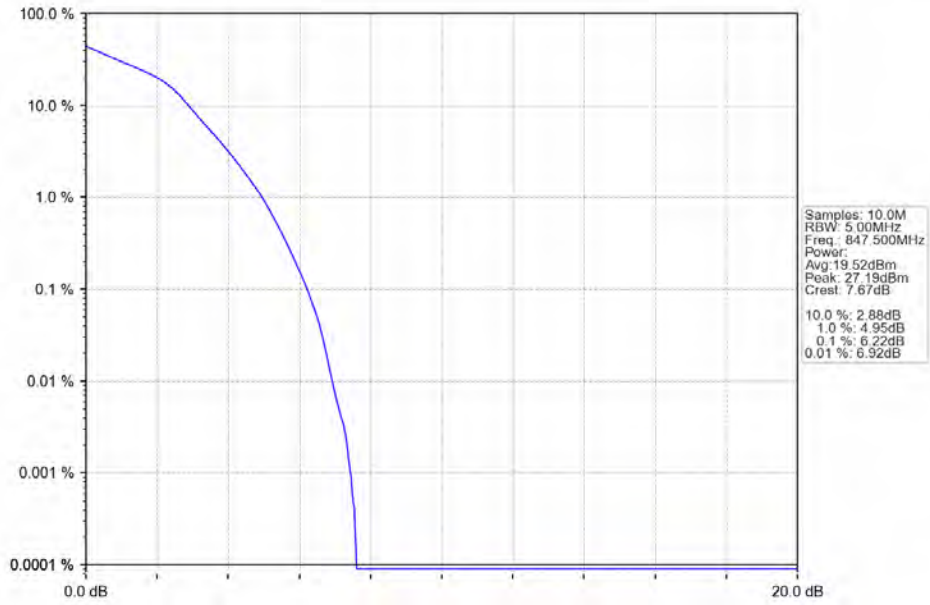
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

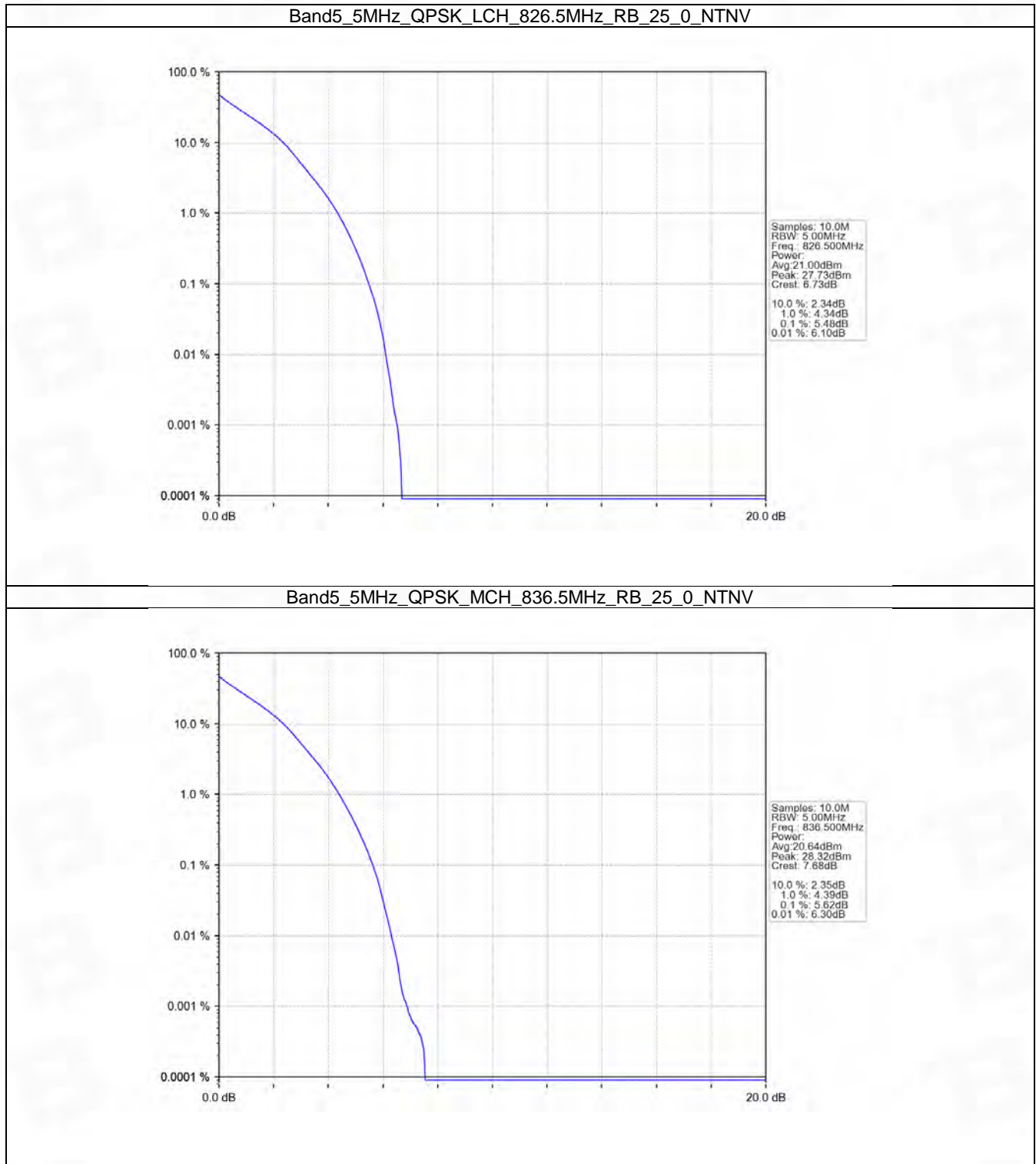


5.3 B5_5MHz

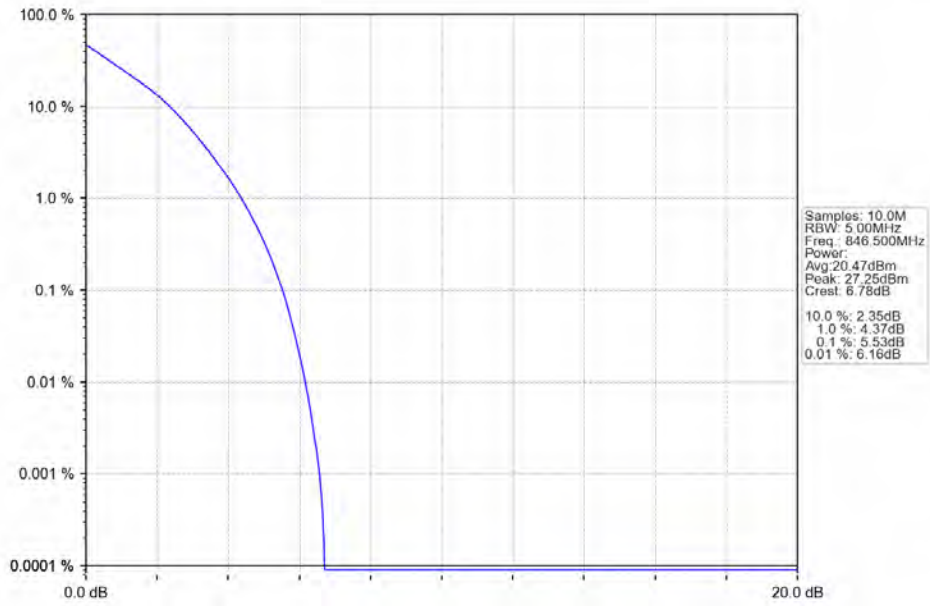
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.48	<=13	Pass
	836.5	25	0	5.62	<=13	Pass
	846.5	25	0	5.53	<=13	Pass
16QAM	826.5	25	0	6.17	<=13	Pass
	836.5	25	0	6.28	<=13	Pass
	846.5	25	0	6.18	<=13	Pass

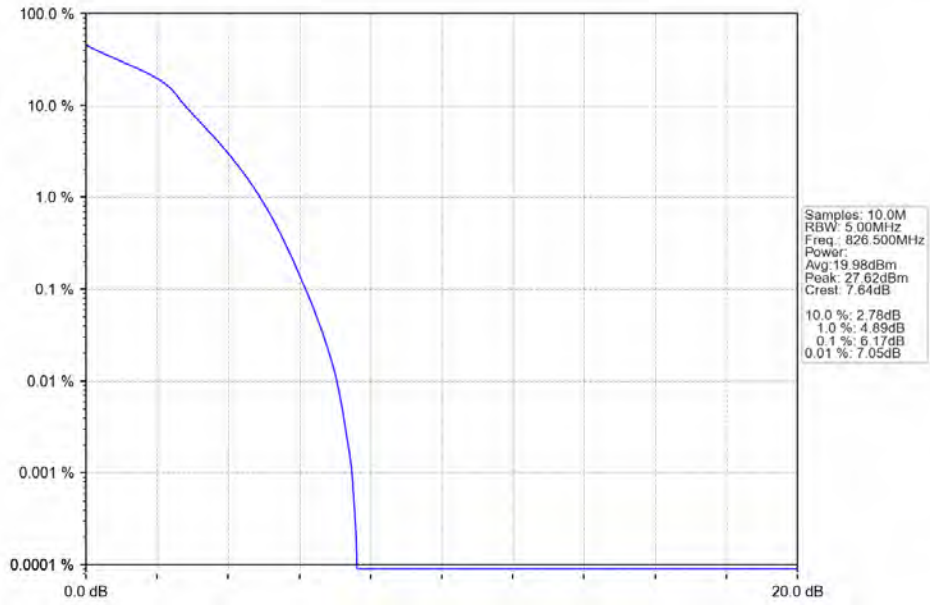
5.3.2 Test Graph



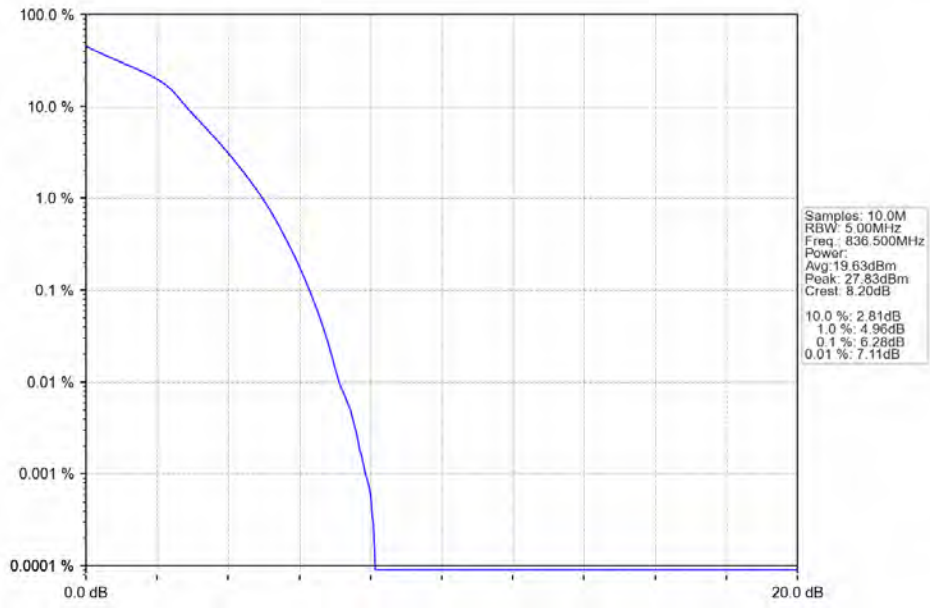
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



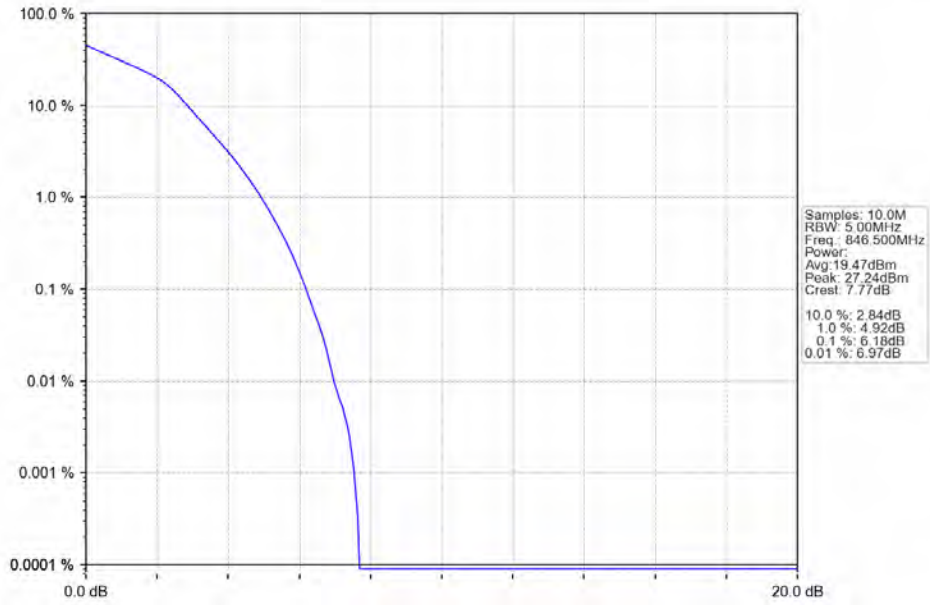
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

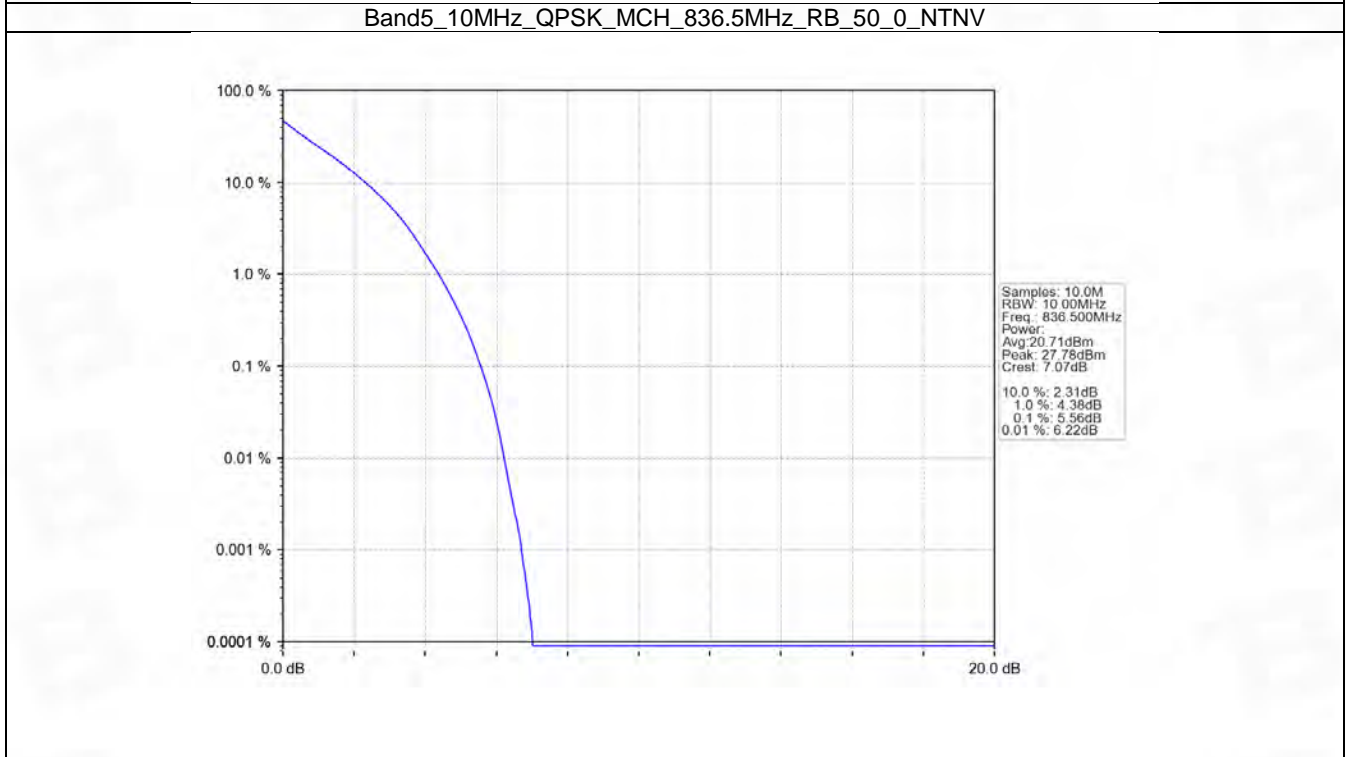
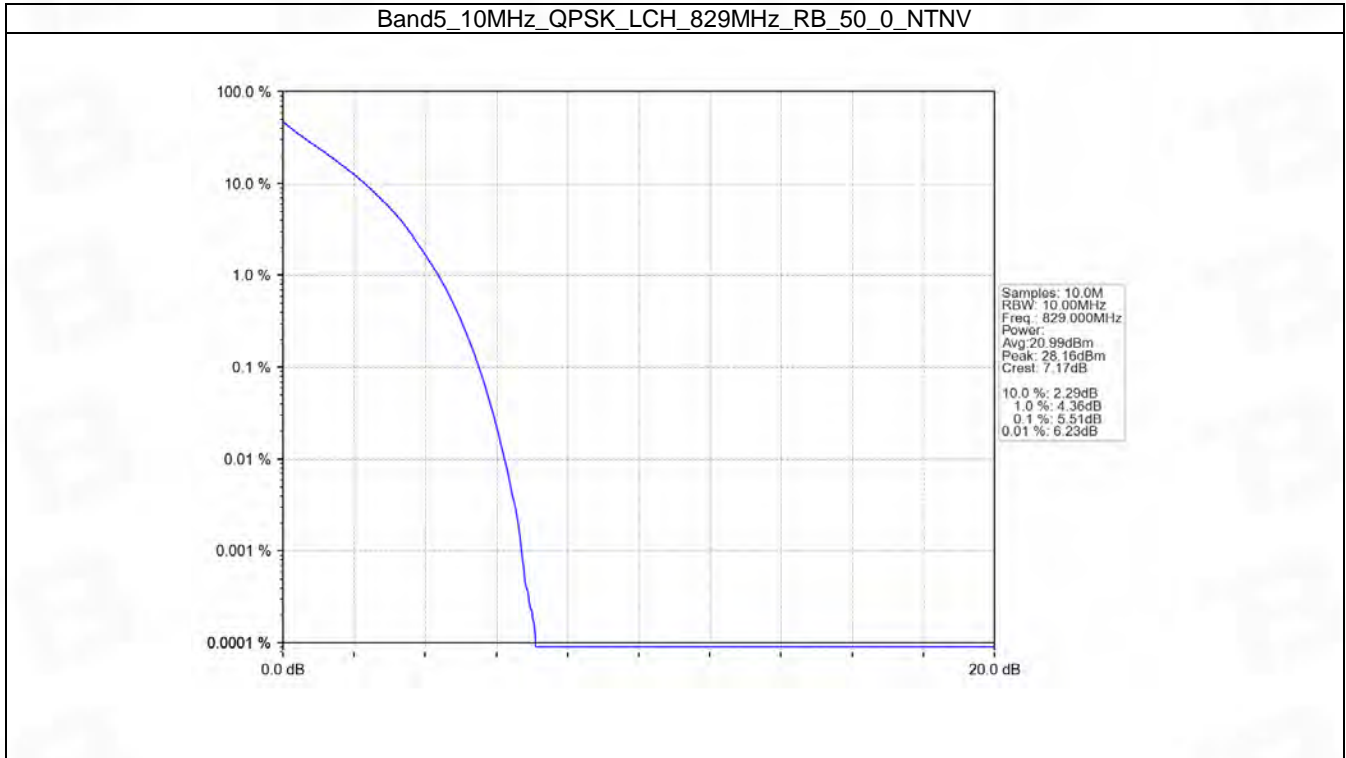


5.4 B5_10MHz

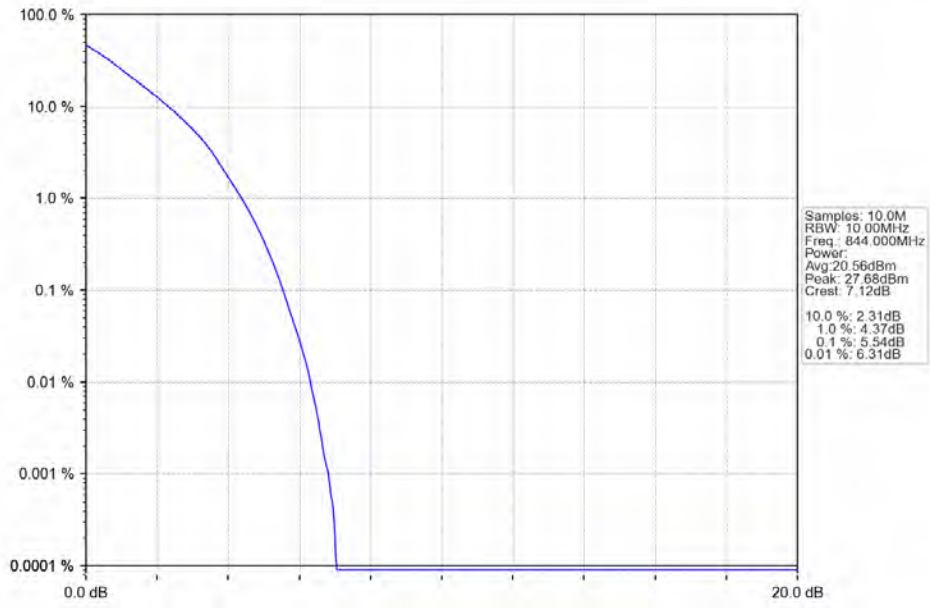
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.51	<=13	Pass
	836.5	50	0	5.56	<=13	Pass
	844	50	0	5.54	<=13	Pass
16QAM	829	50	0	6.23	<=13	Pass
	836.5	50	0	6.32	<=13	Pass
	844	50	0	6.24	<=13	Pass

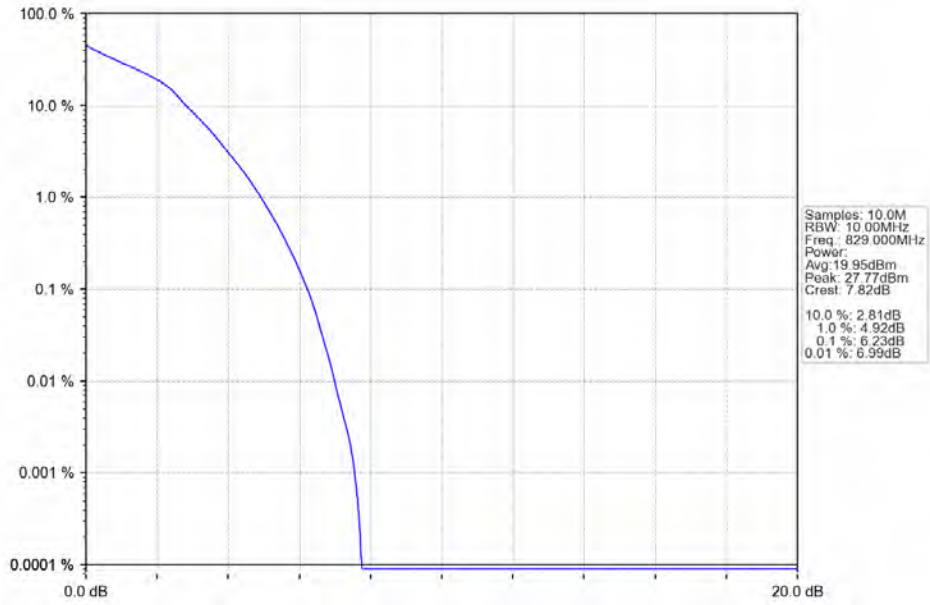
5.4.2 Test Graph



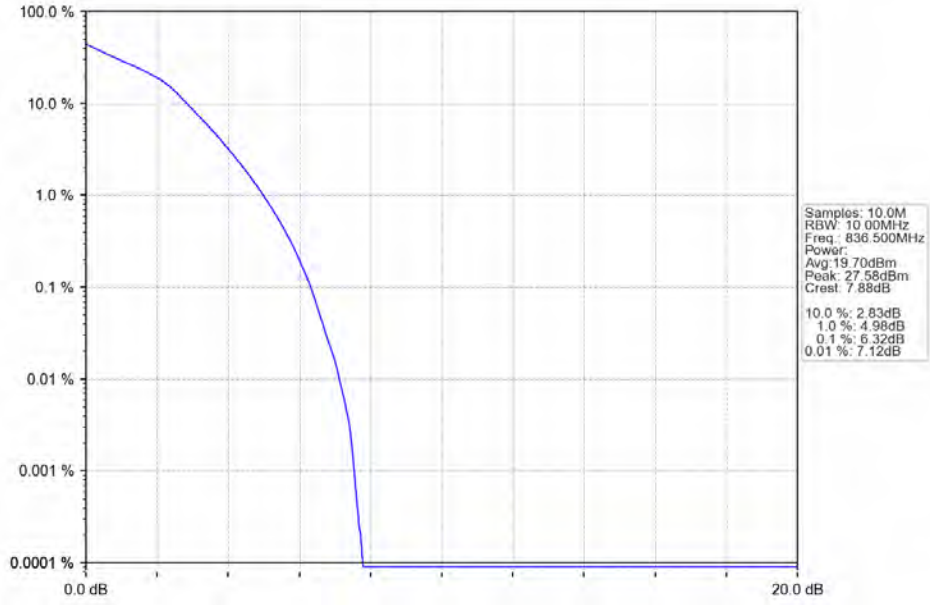
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



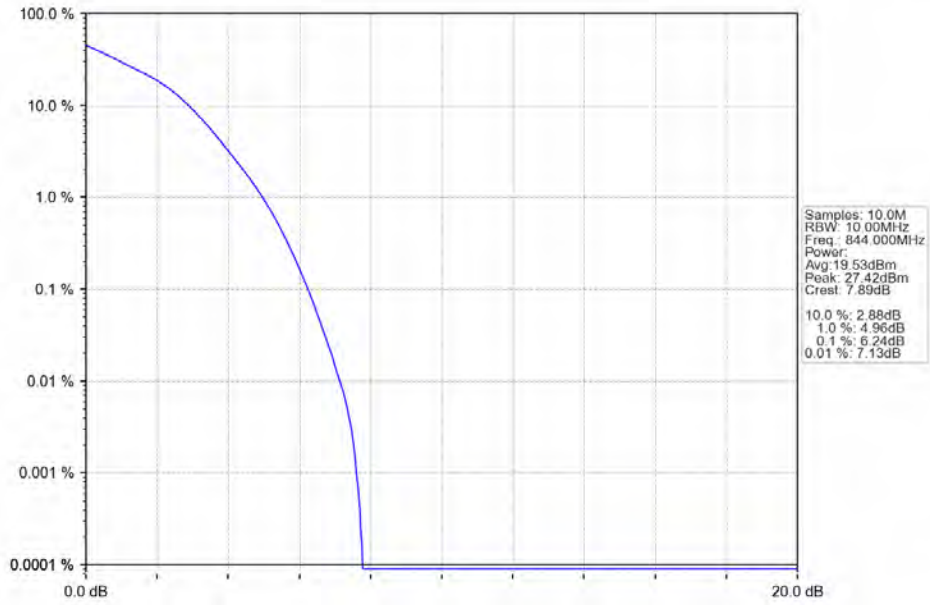
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



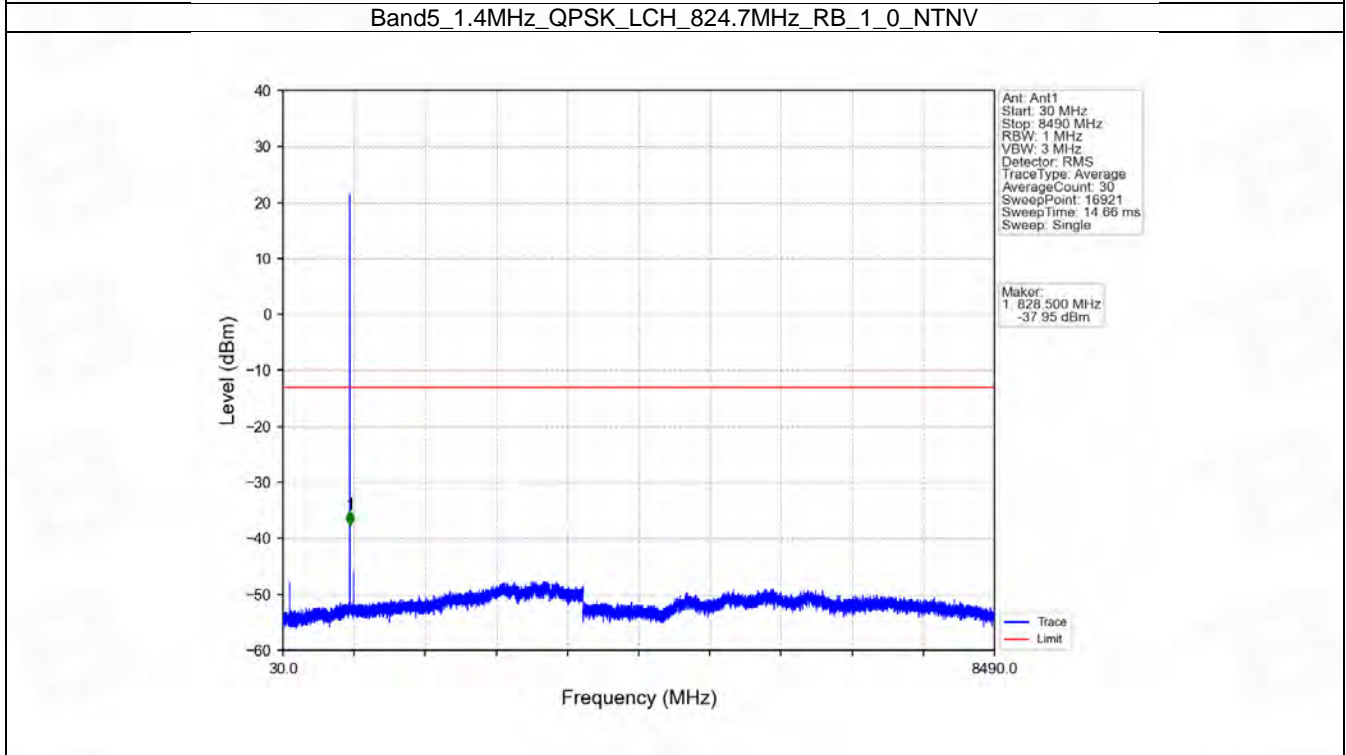
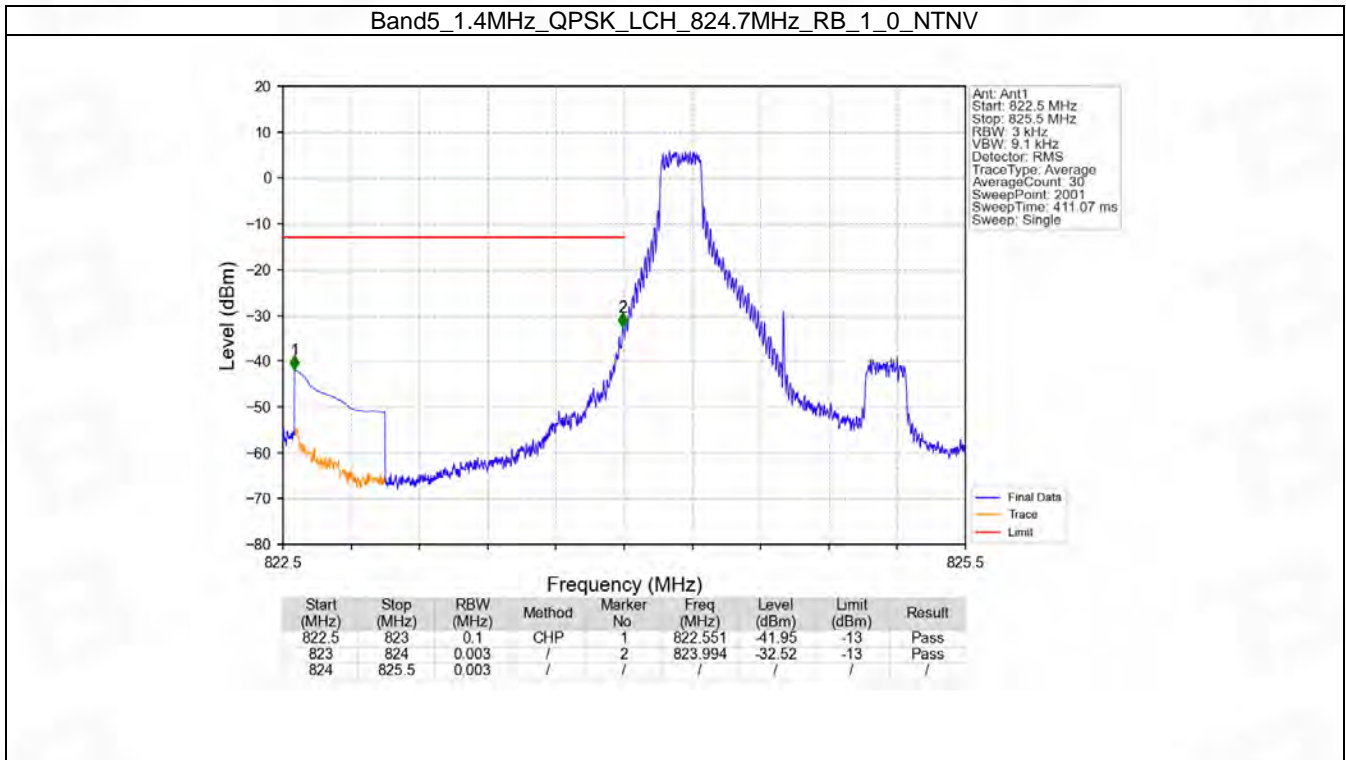
6. Spurious Emission

6.1 B5_1.4MHz

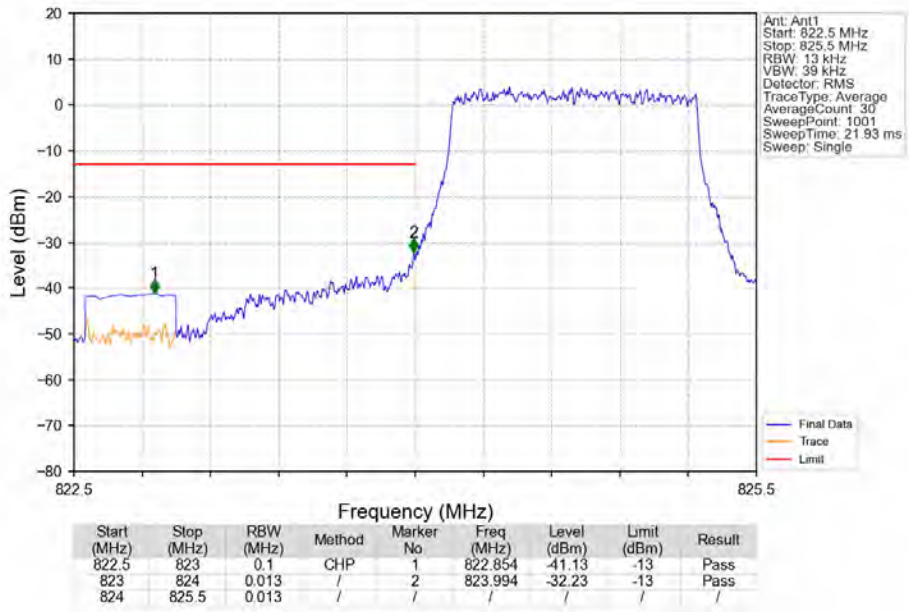
6.1.1 Test Result

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
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	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
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

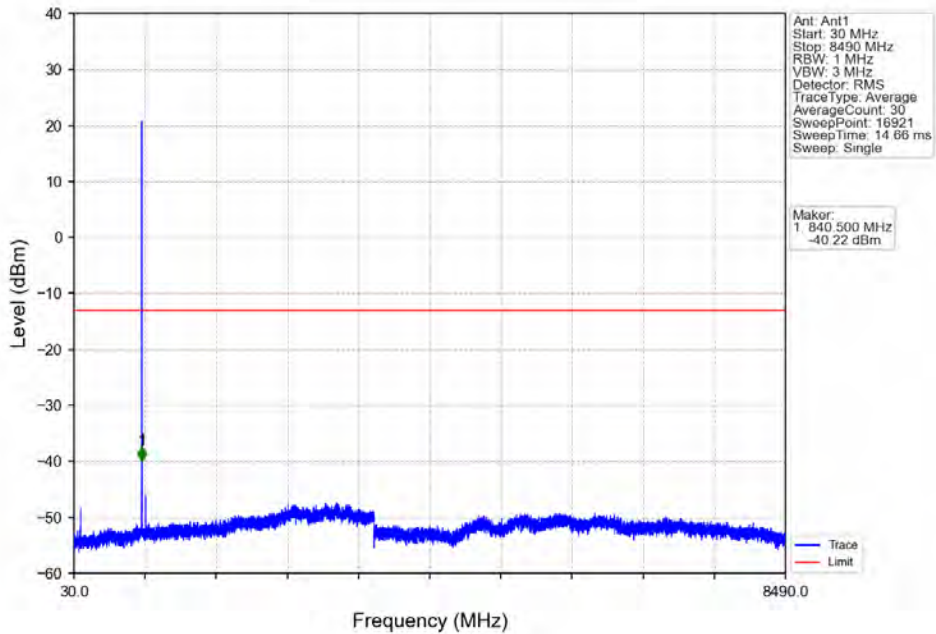
6.1.2 Test Graph



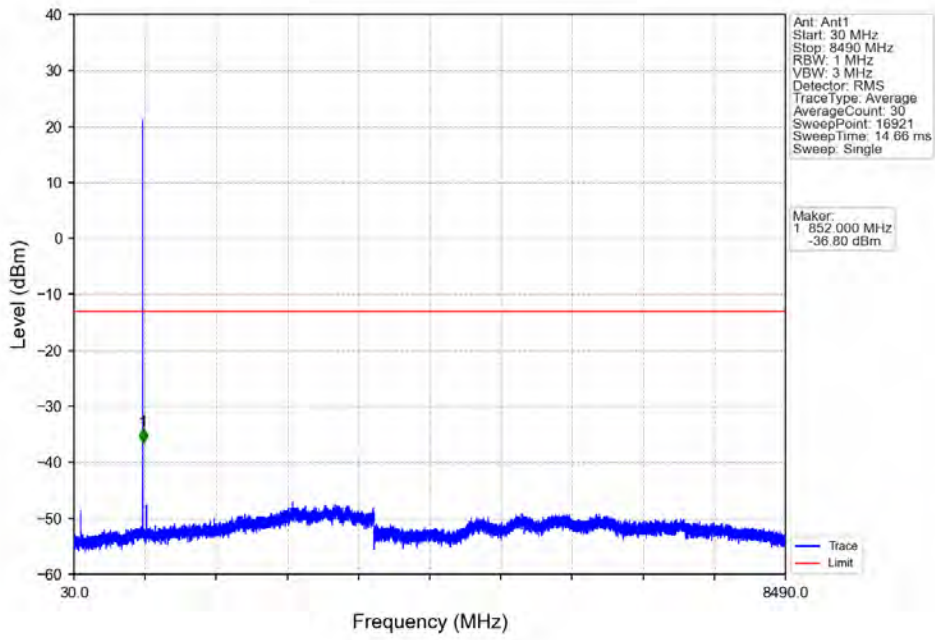
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



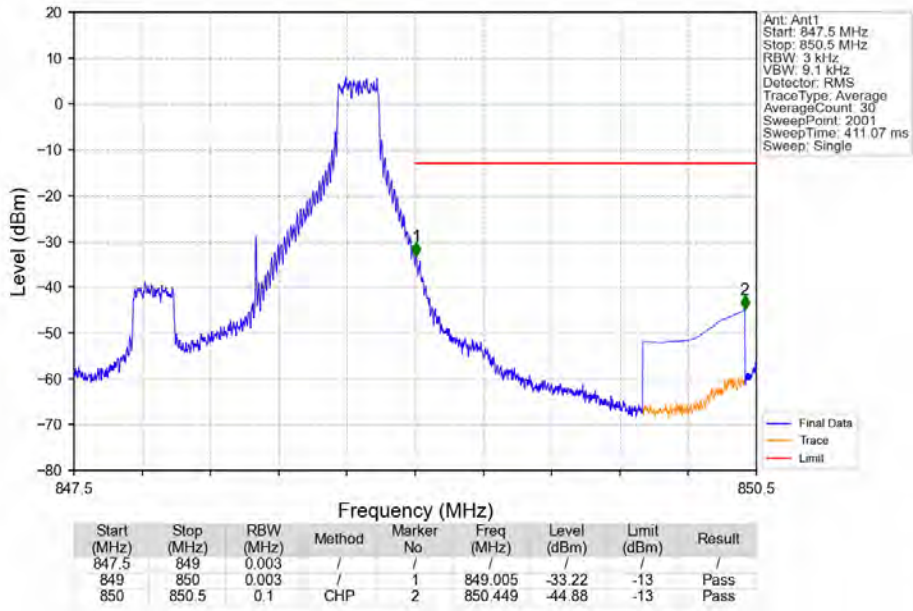
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



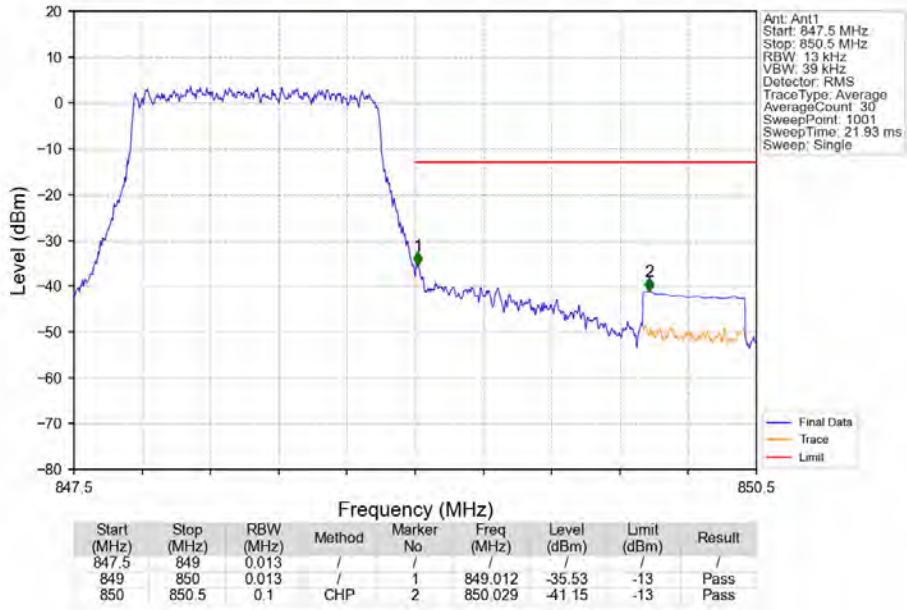
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



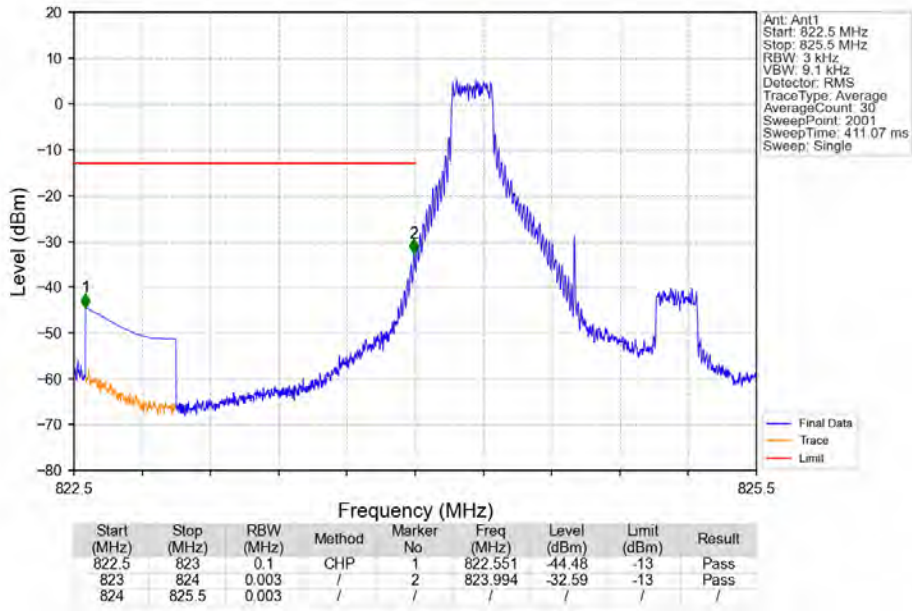
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



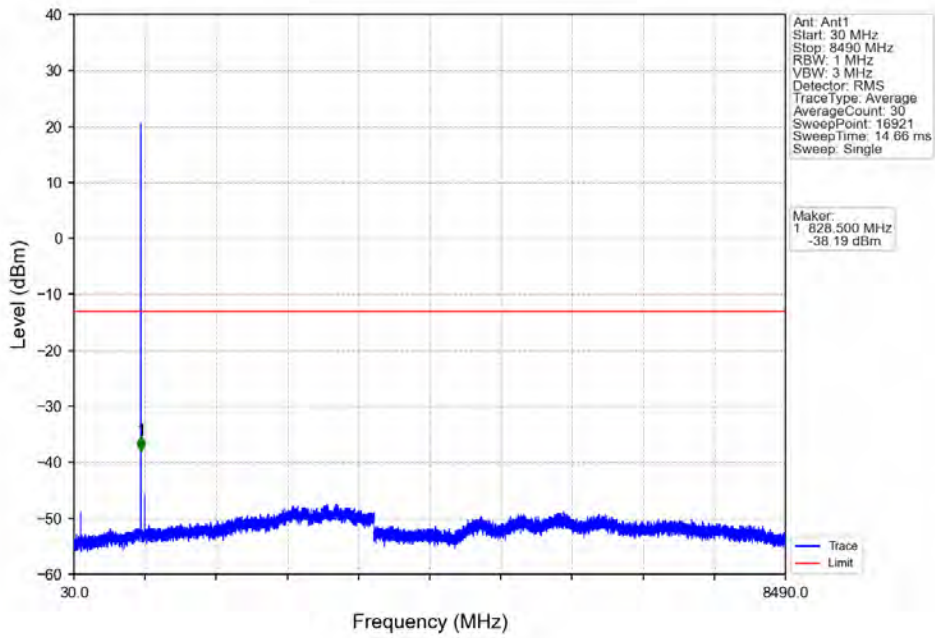
Band5 1.4MHz QPSK_HCH_848.3MHz_RB_6_0_NTNV



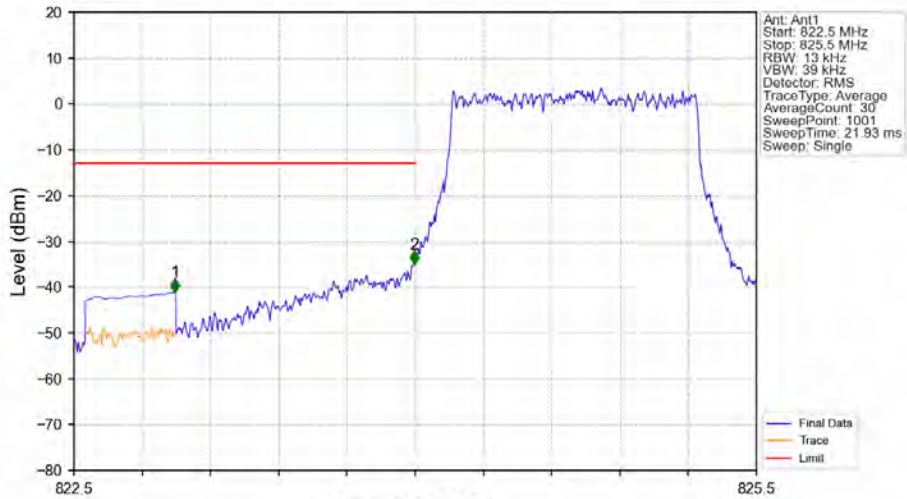
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

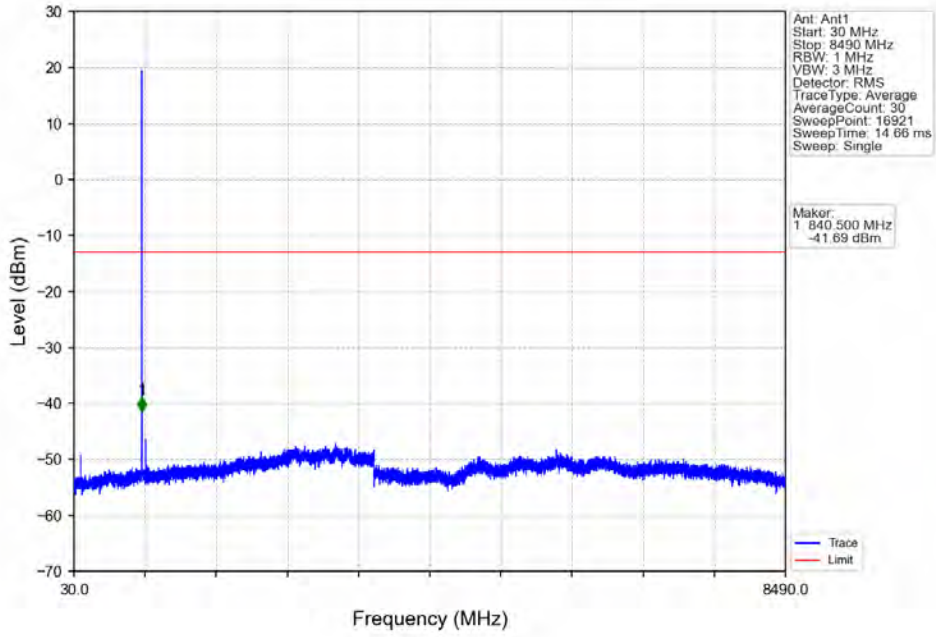


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

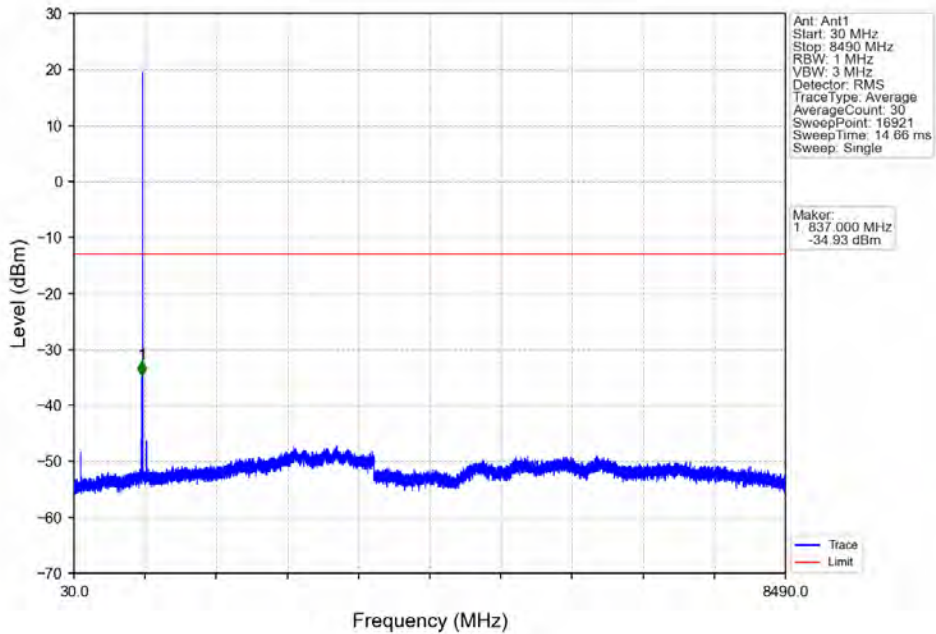


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.944	-41.11	-13	Pass
823	824	0.013	/	2	823.997	-35.01	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

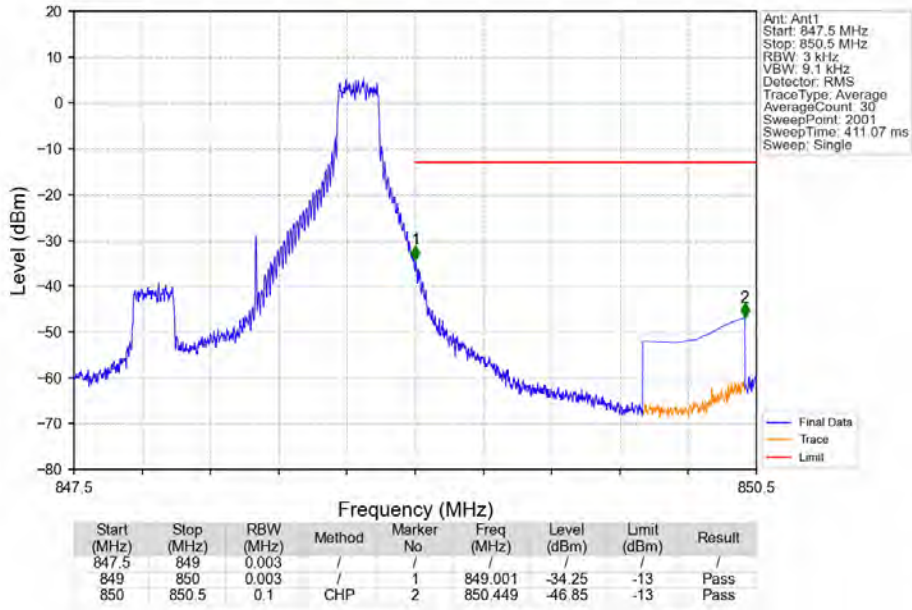
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



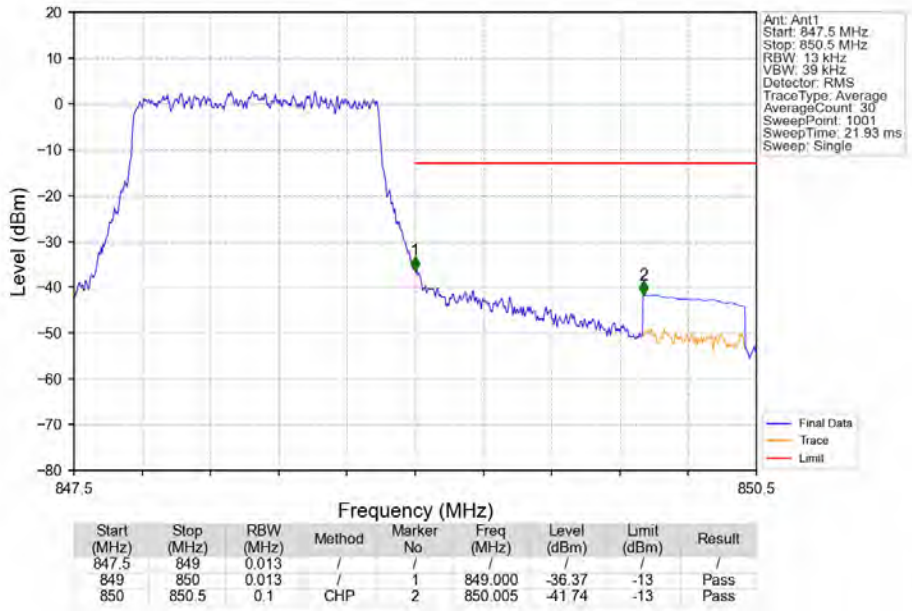
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

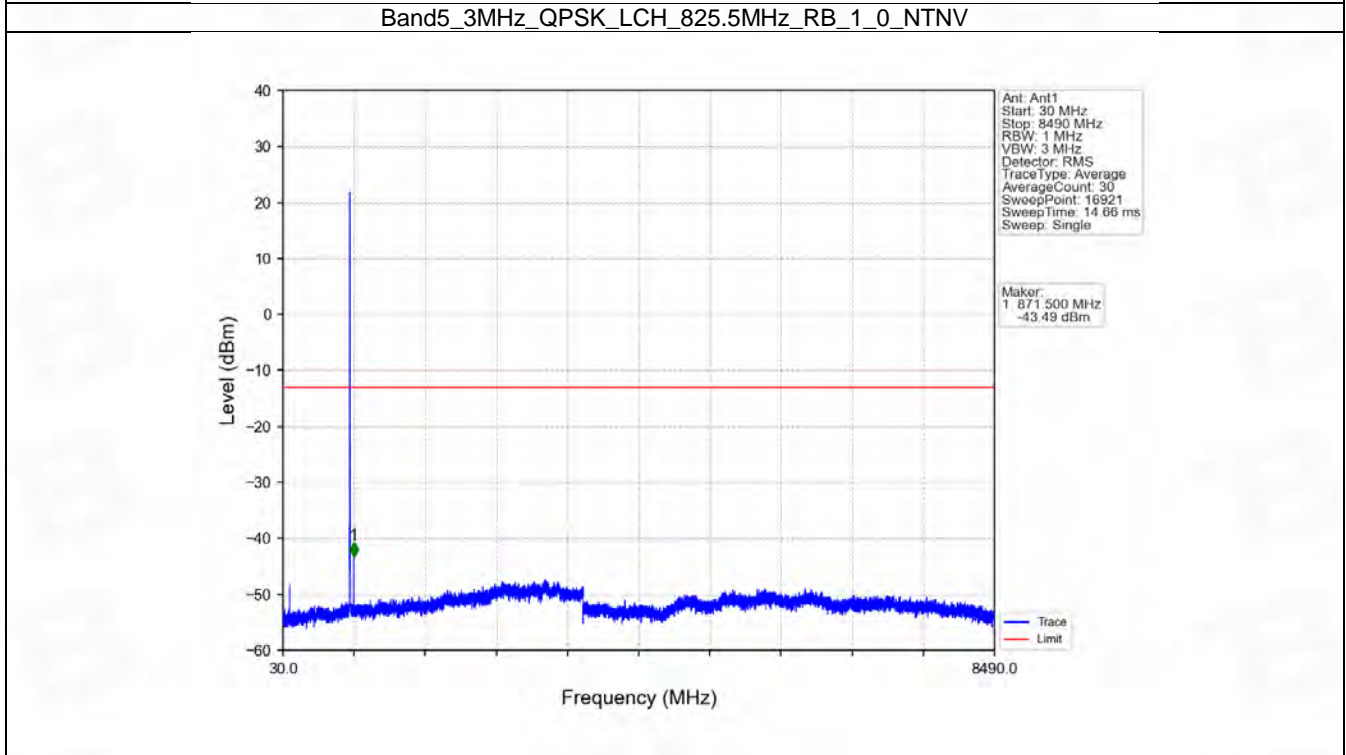
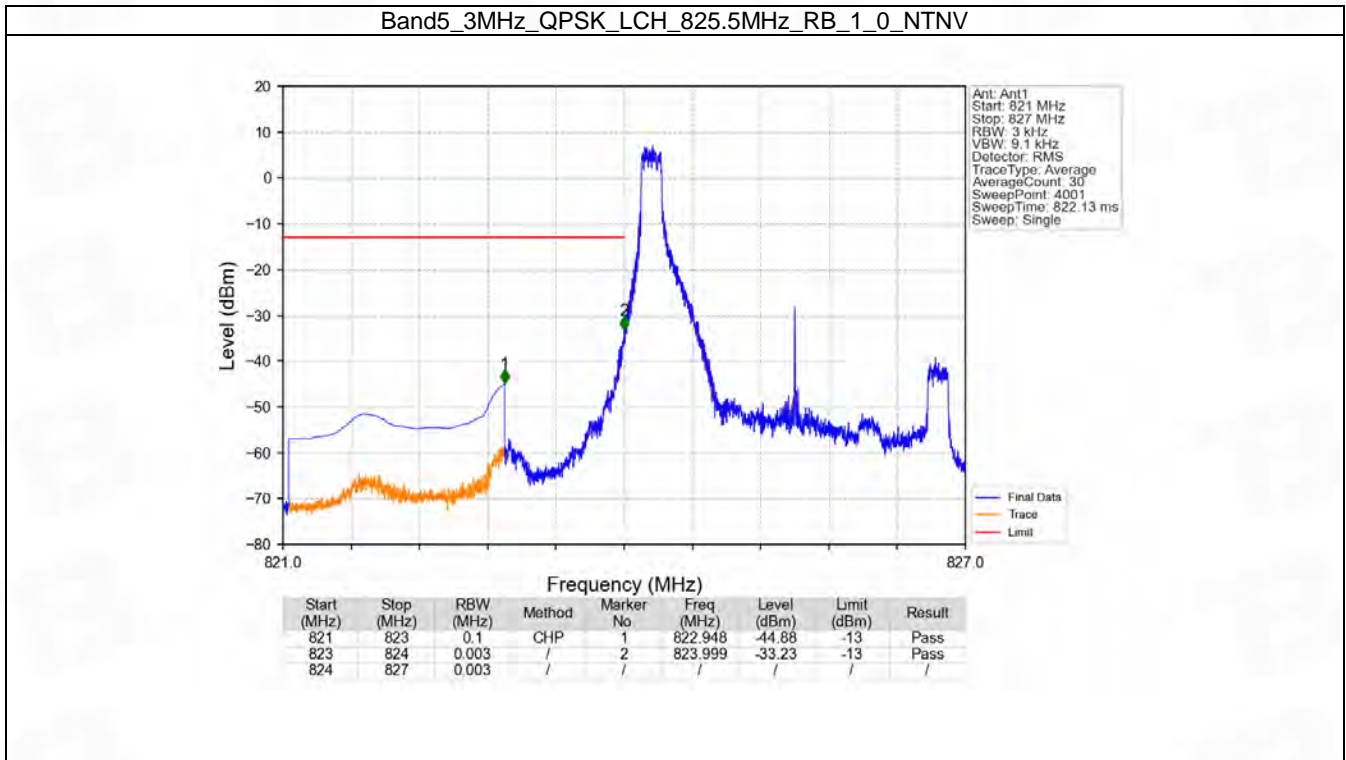


6.2 B5_3MHz

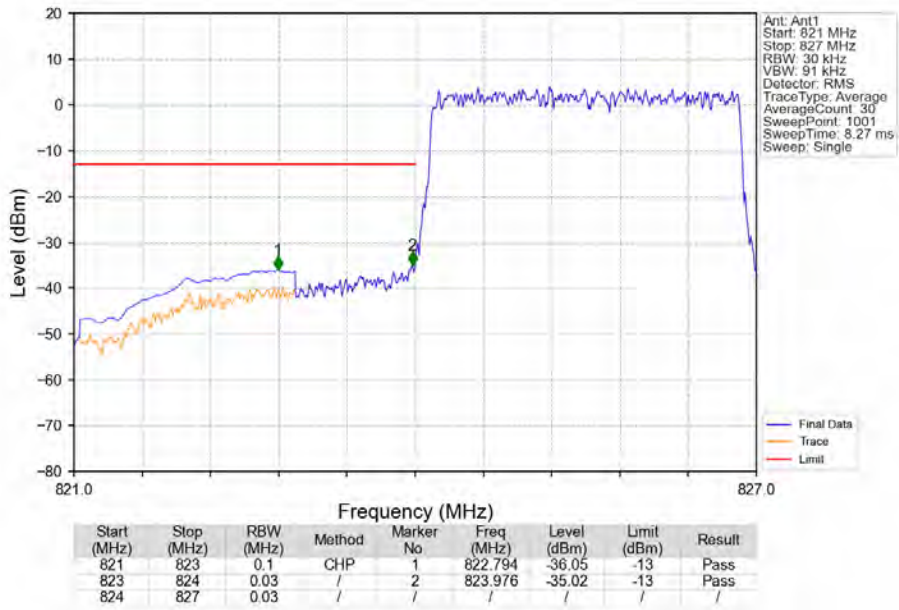
6.2.1 Test Result

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
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	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
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

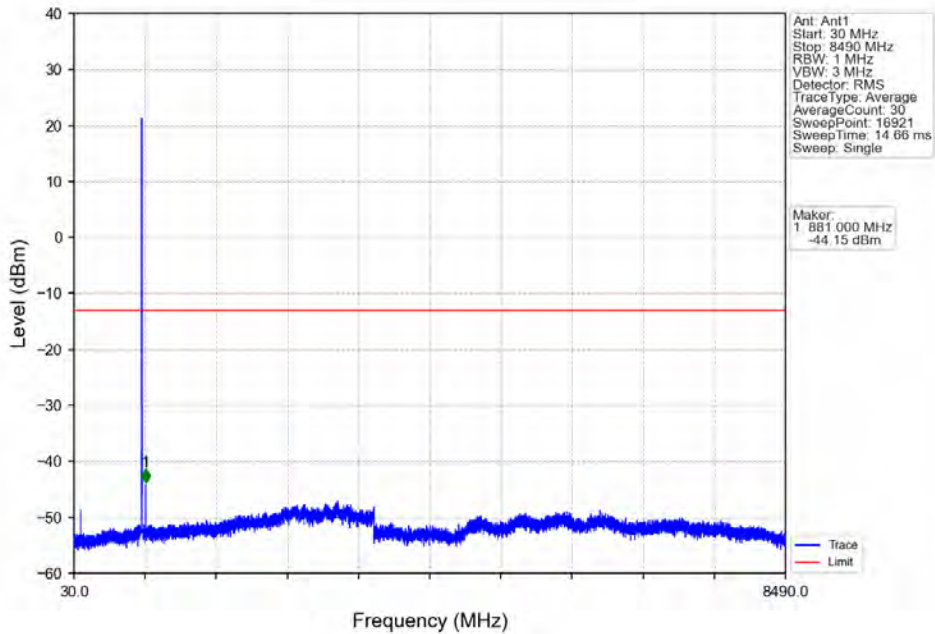
6.2.2 Test Graph



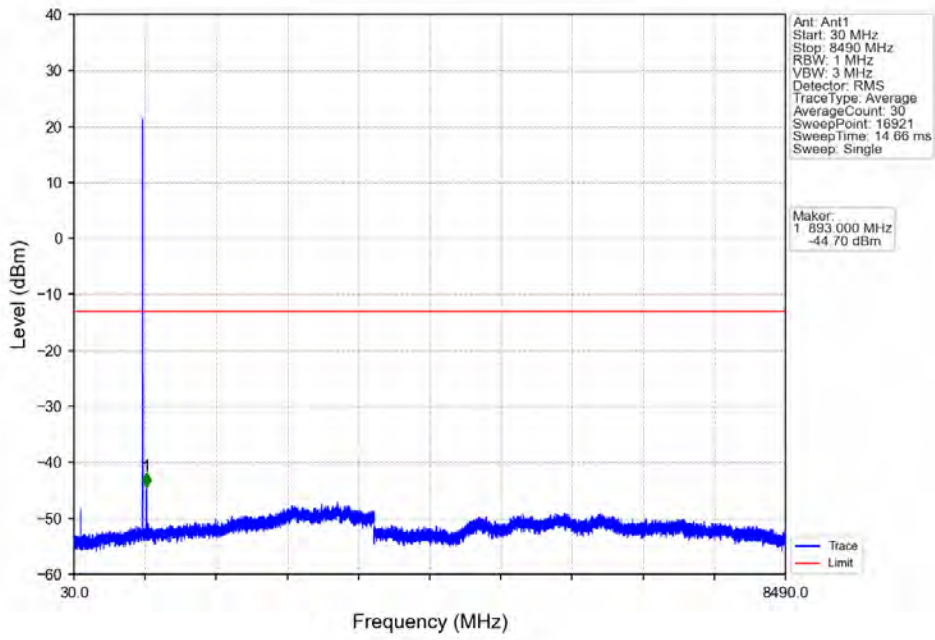
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



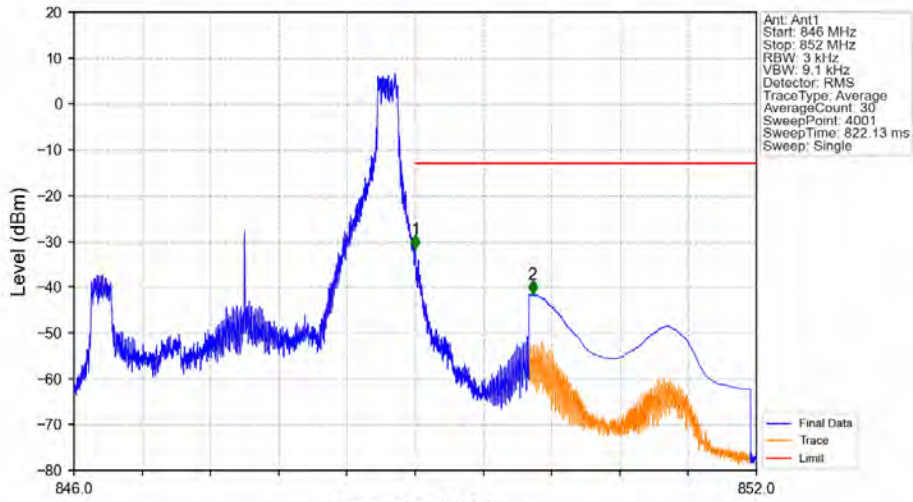
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

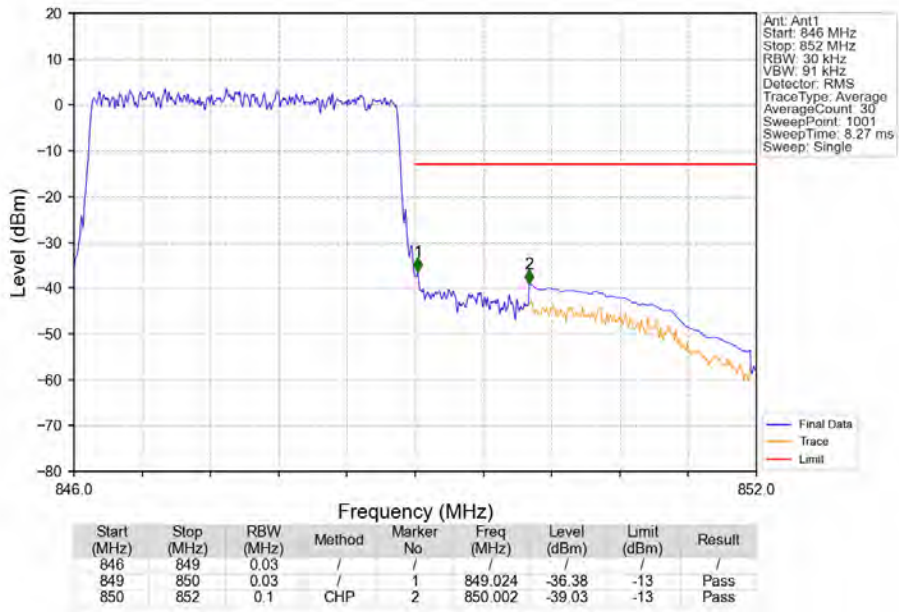


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV

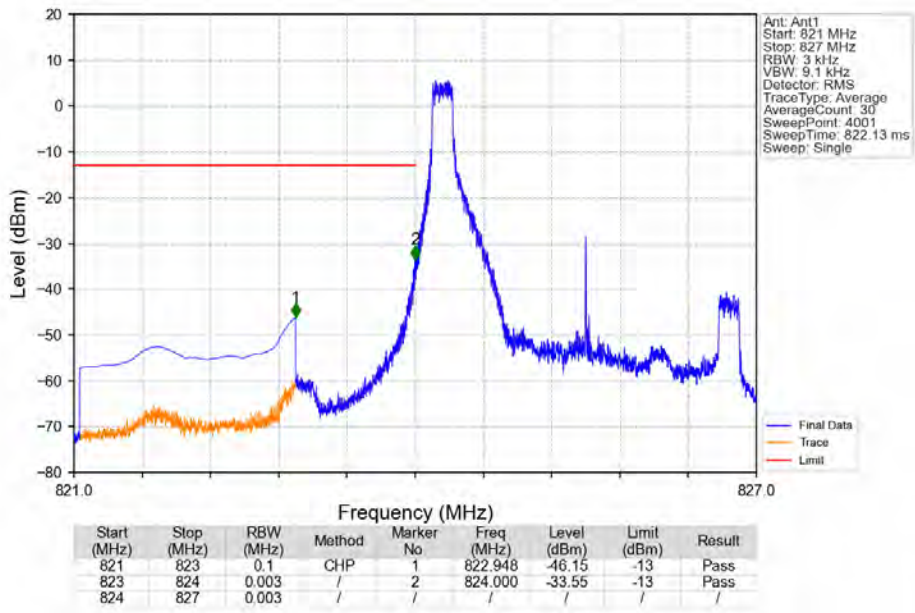


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.003	-31.70	-13	Pass
849	850	0.003	/	2	850.032	-41.52	-13	Pass
850	852	0.1	CHP					

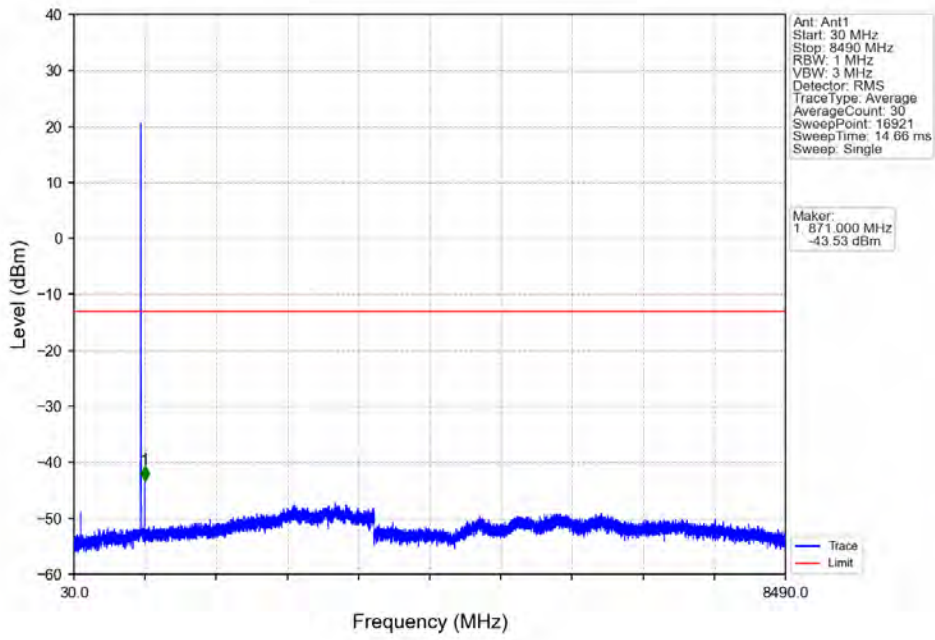
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



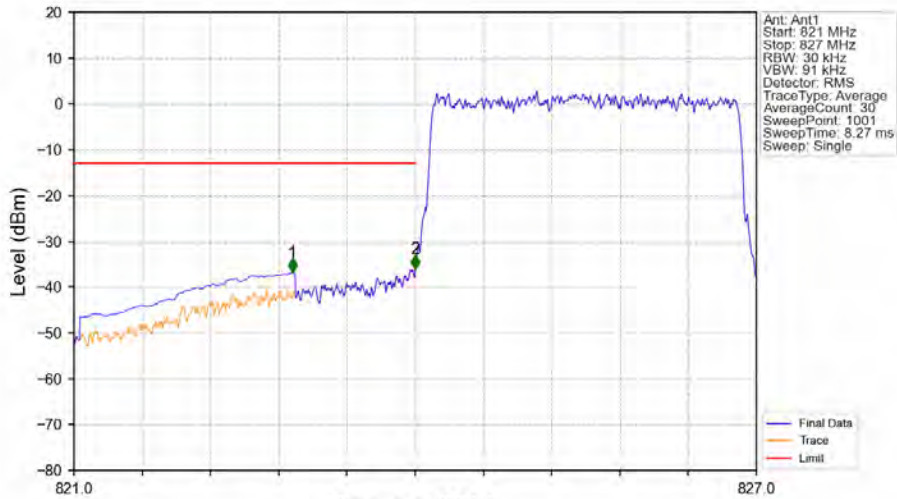
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

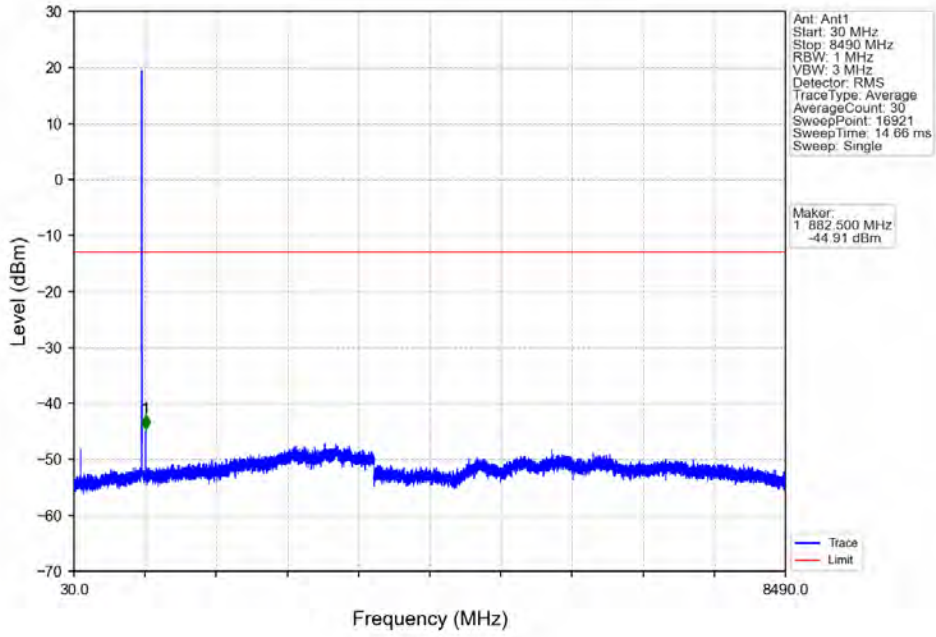


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

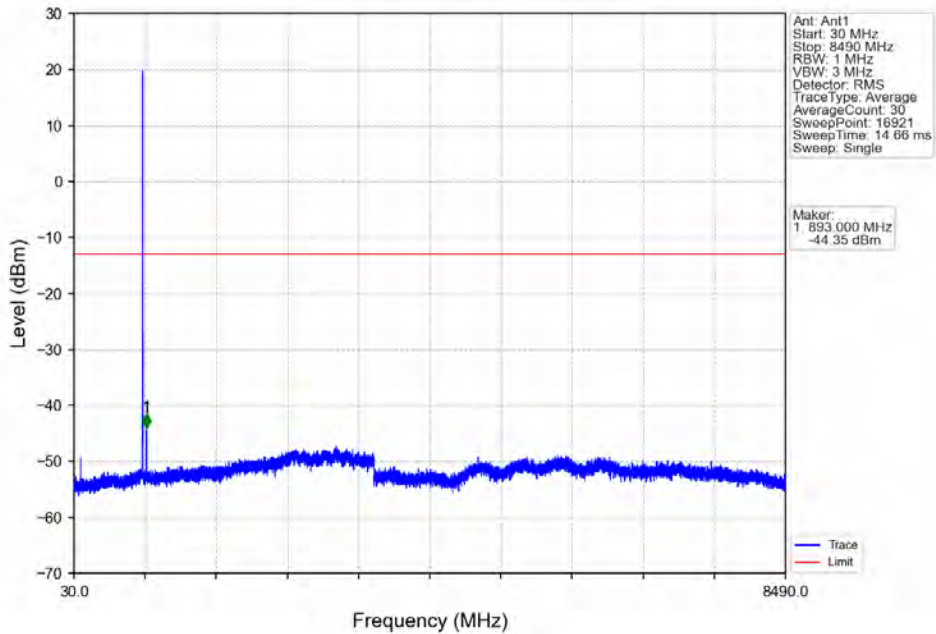


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.920	-36.82	-13	Pass
823	824	0.03	/	2	824.000	-35.99	-13	Pass
824	827	0.03	/	/	/	/	/	/

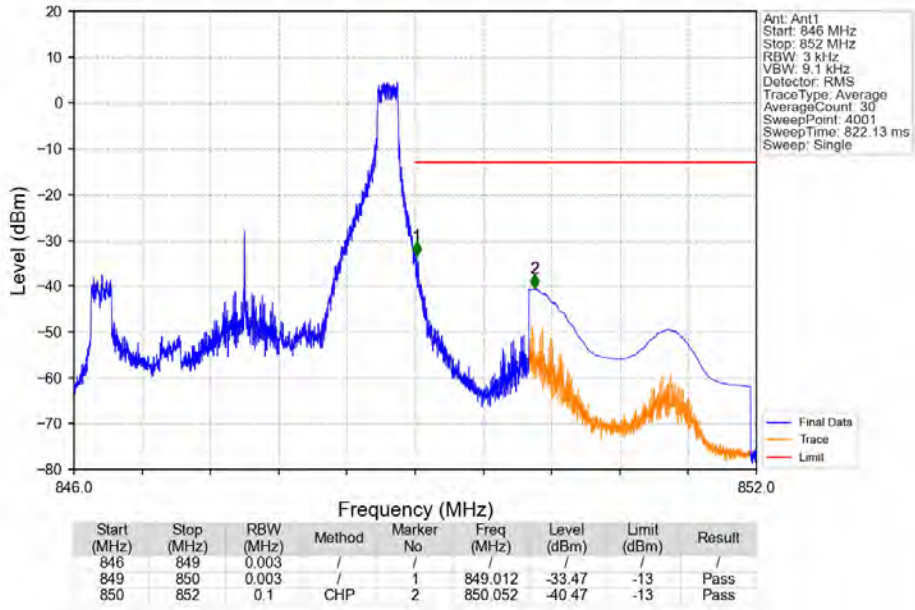
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



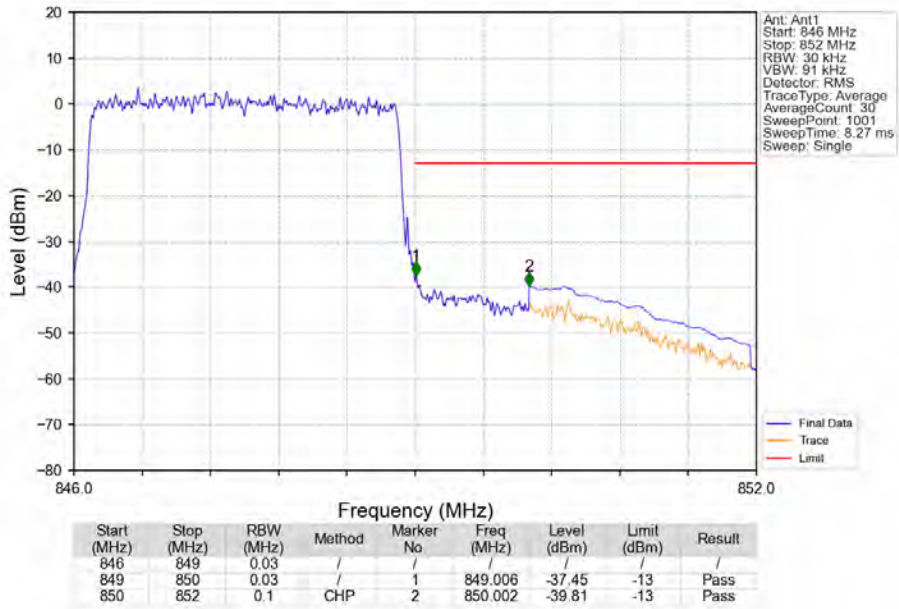
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

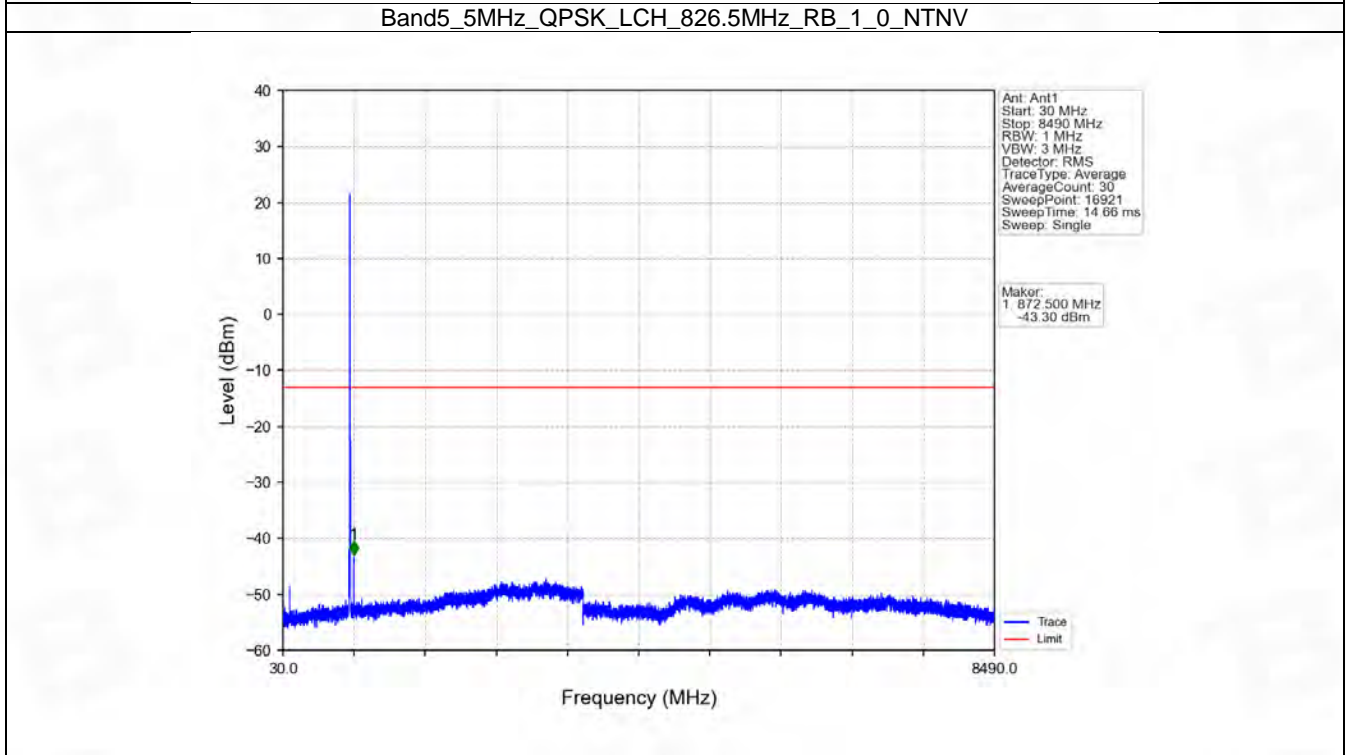
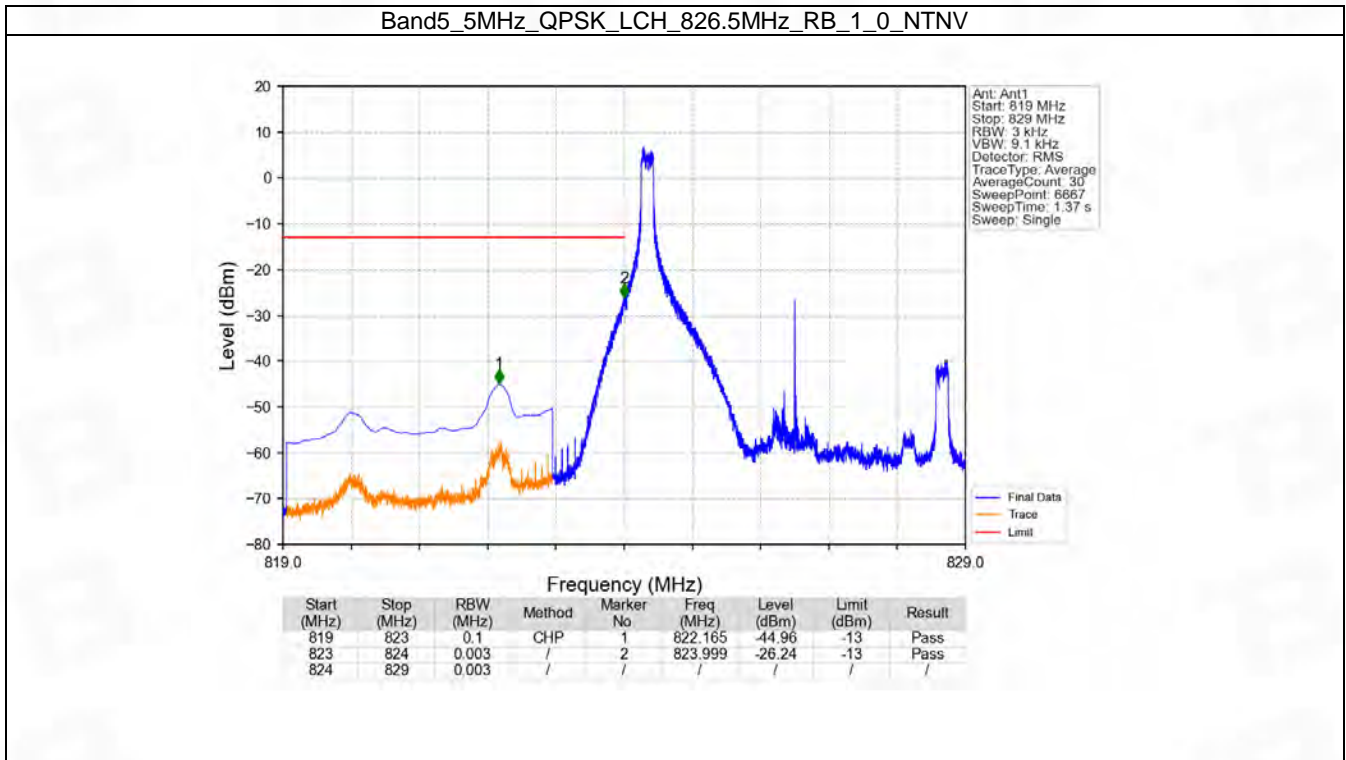


6.3 B5_5MHz

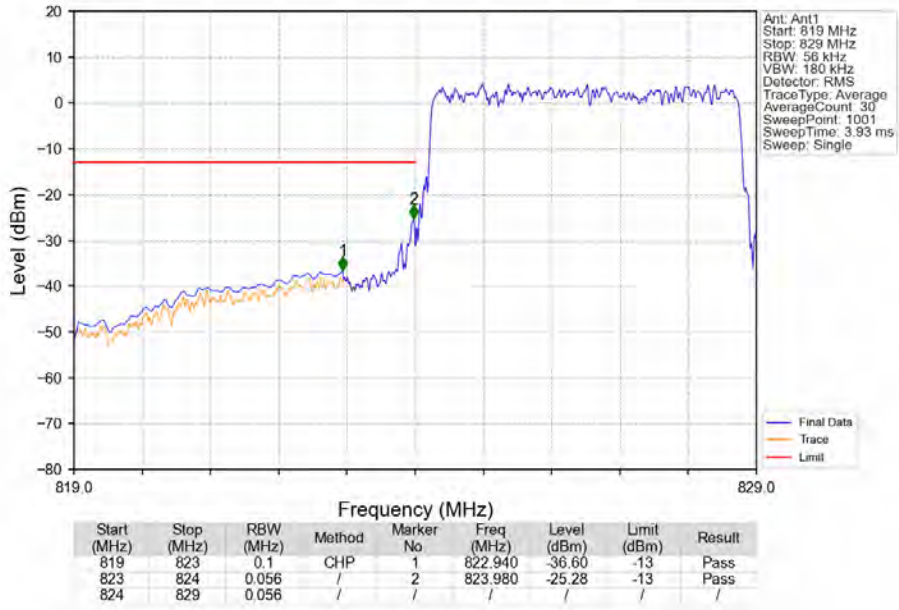
6.3.1 Test Result

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
	846.5	1	0	Refer To Test Graph		Pass
		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
	846.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

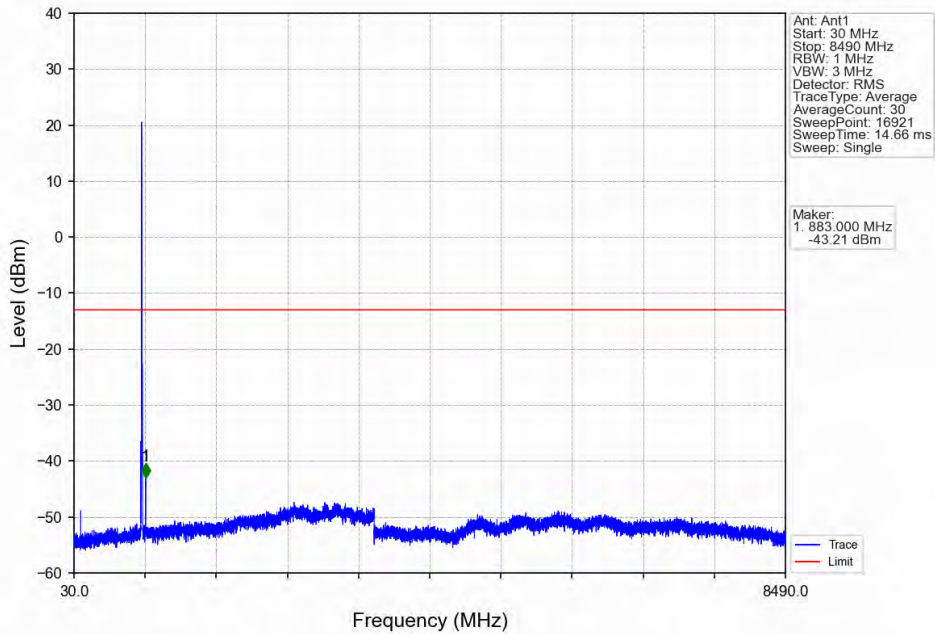
6.3.2 Test Graph



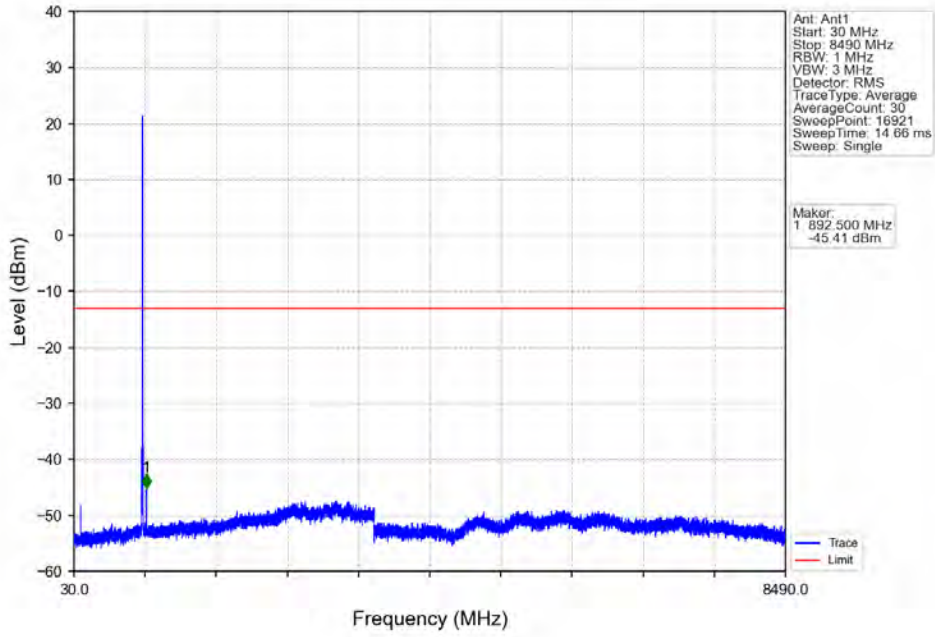
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



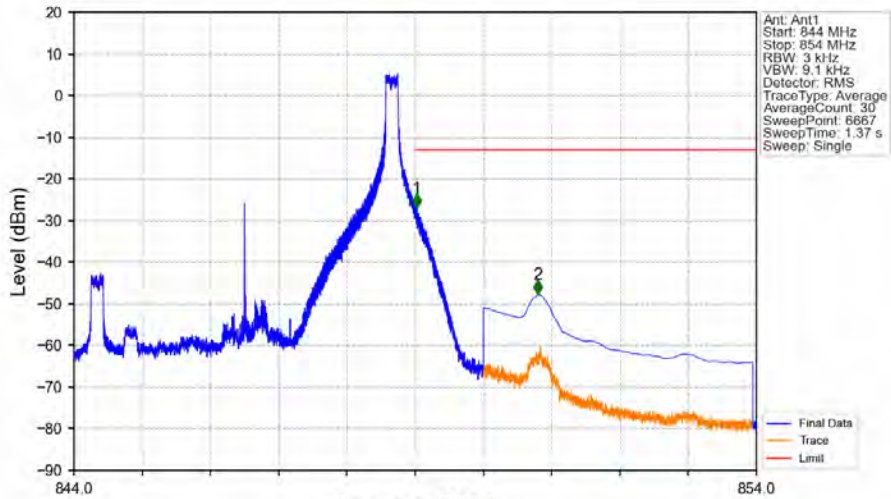
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

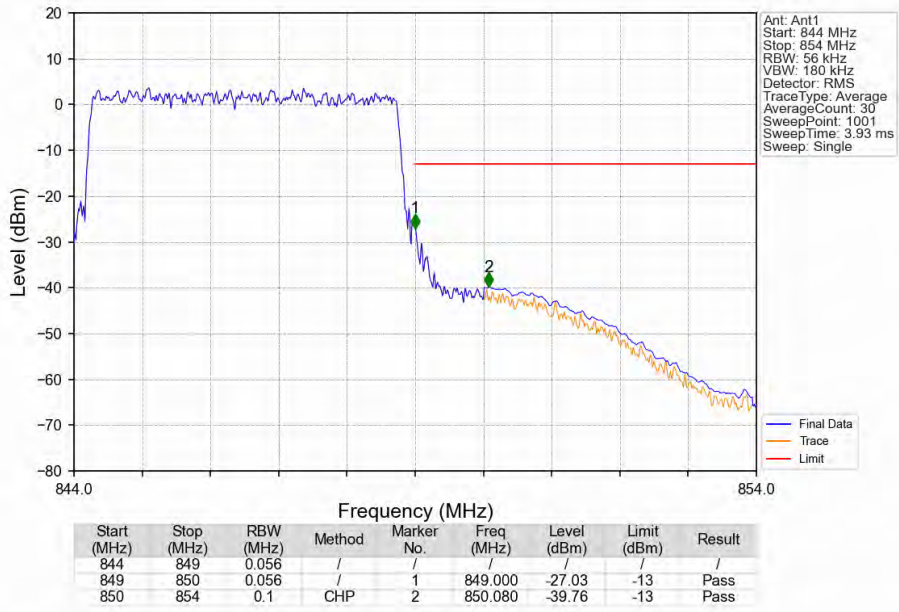


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

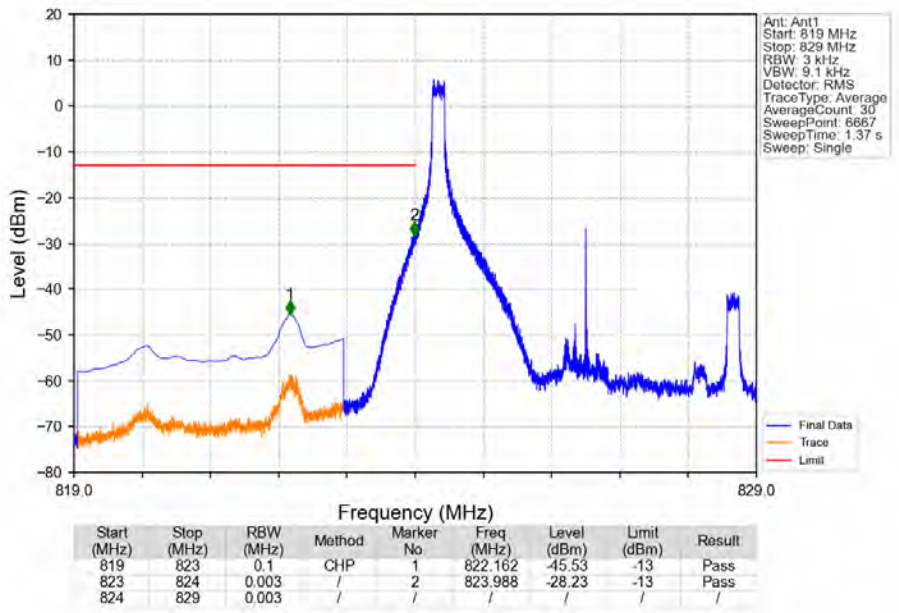


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.024	-26.92	-13	Pass
849	850	0.003	CHP	2	850.800	-47.76	-13	Pass

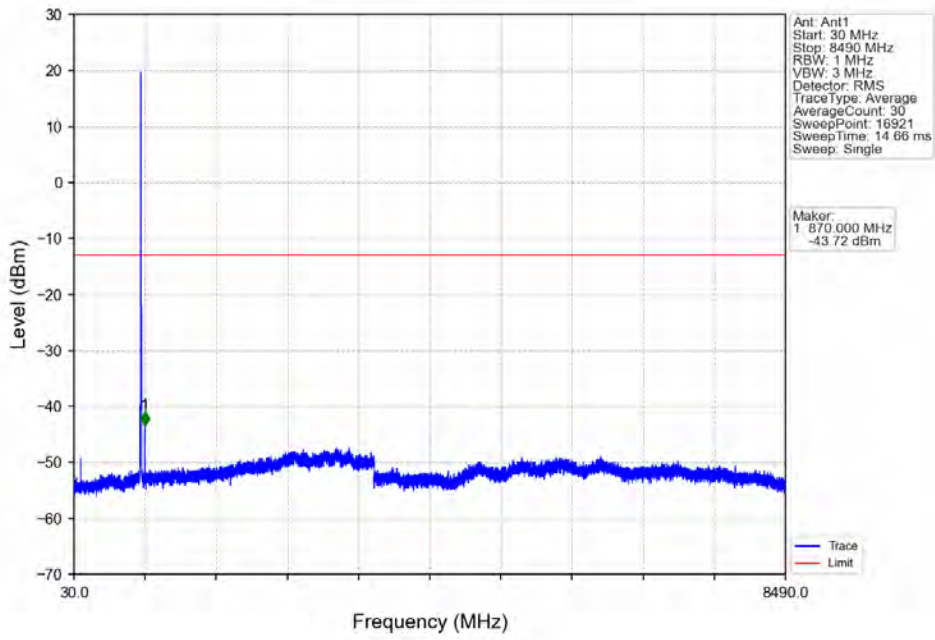
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



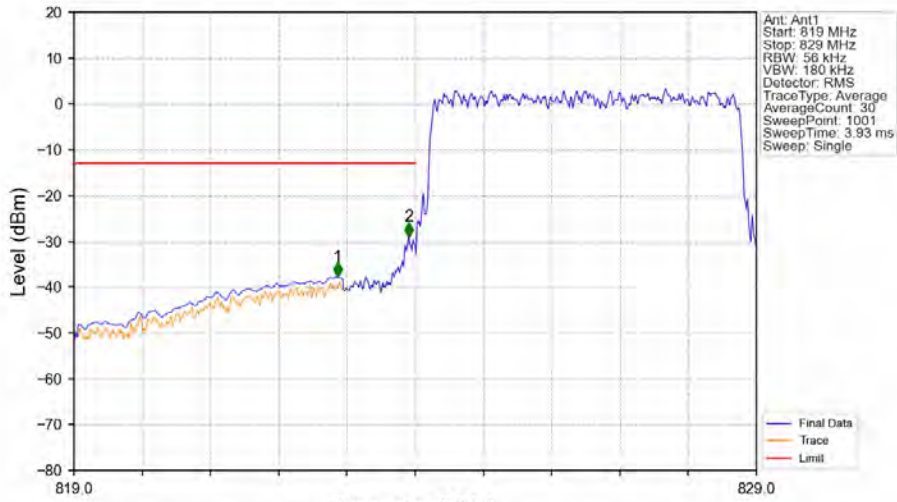
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

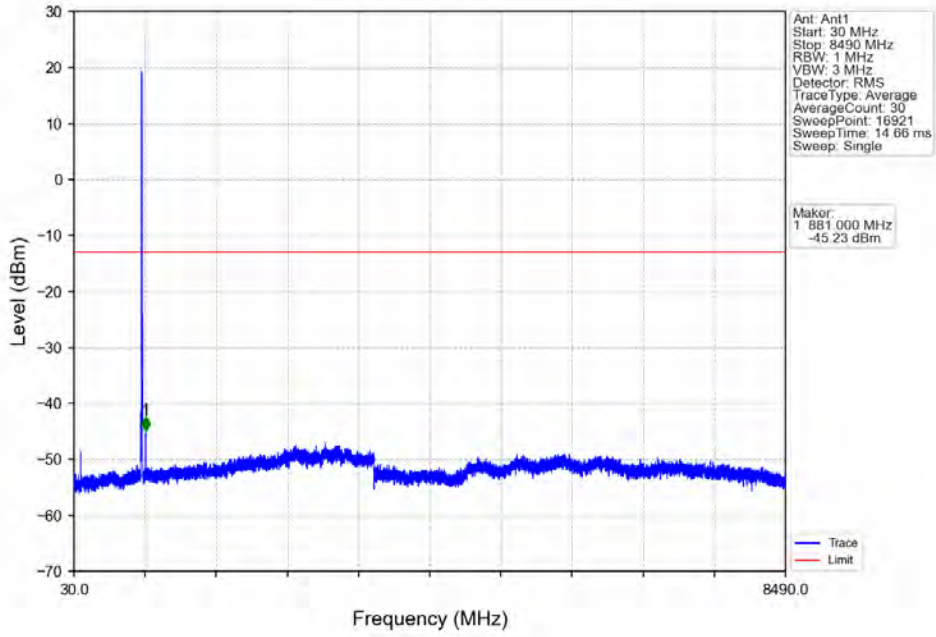


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

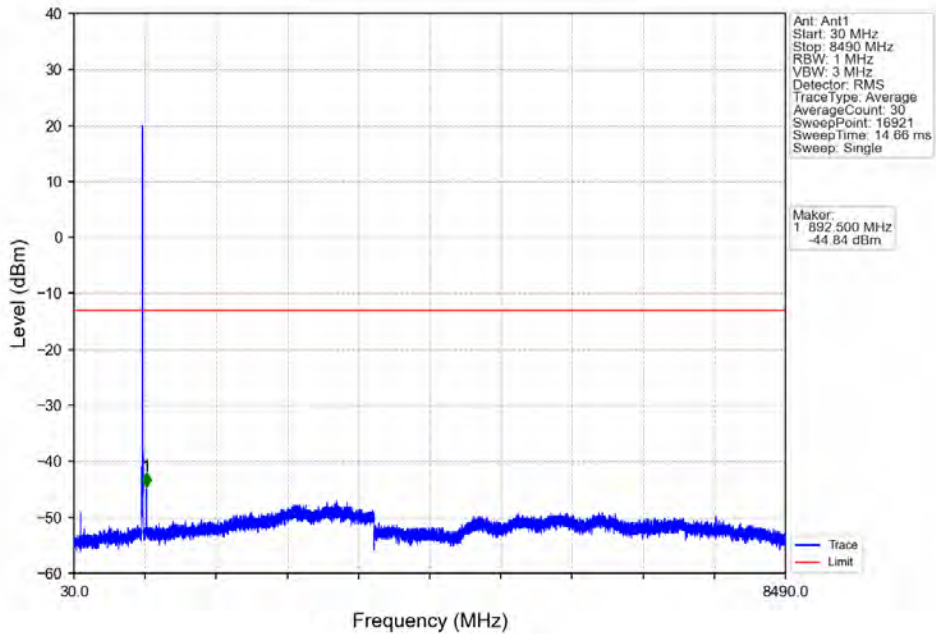


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.860	-37.73	-13	Pass
823	824	0.056	/	2	823.910	-28.95	-13	Pass
824	829	0.056	/	/	/	/	/	/

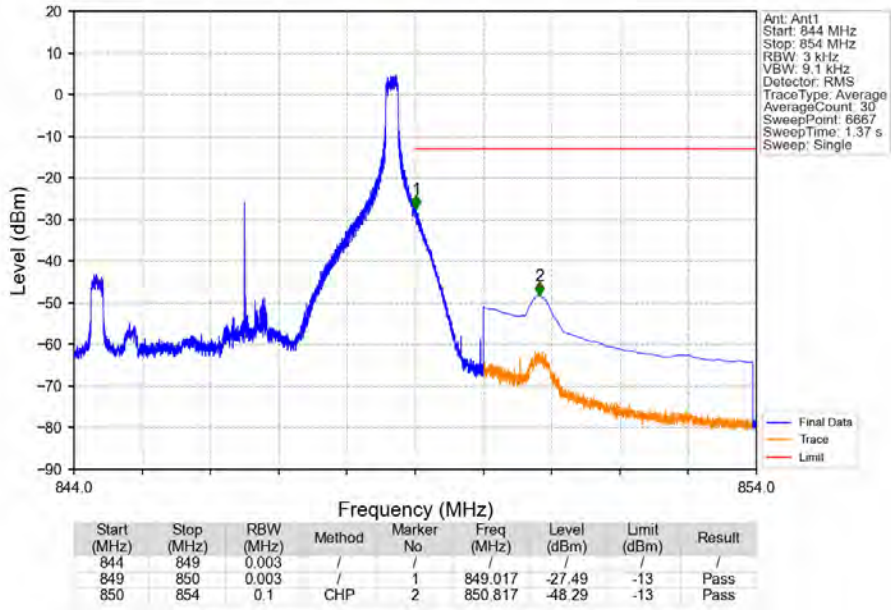
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



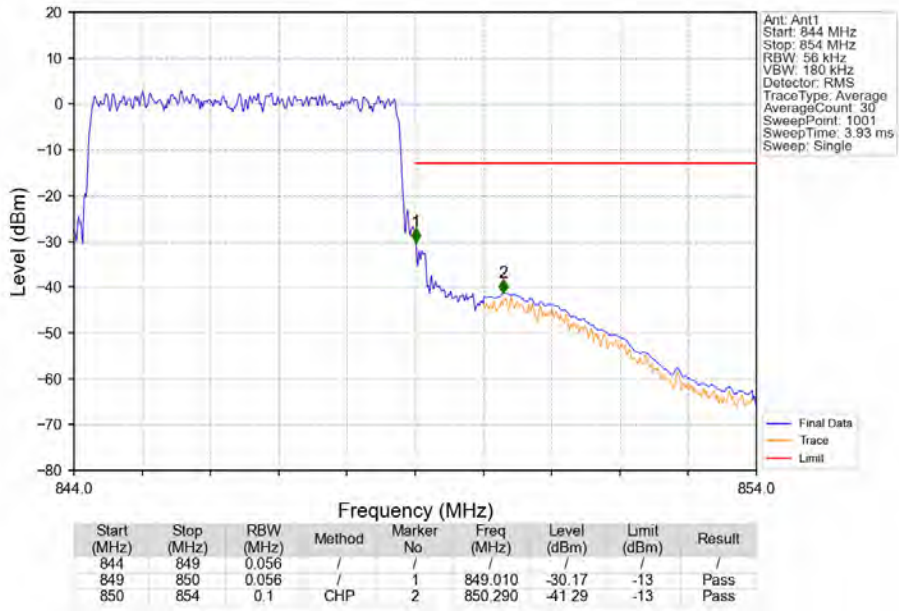
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

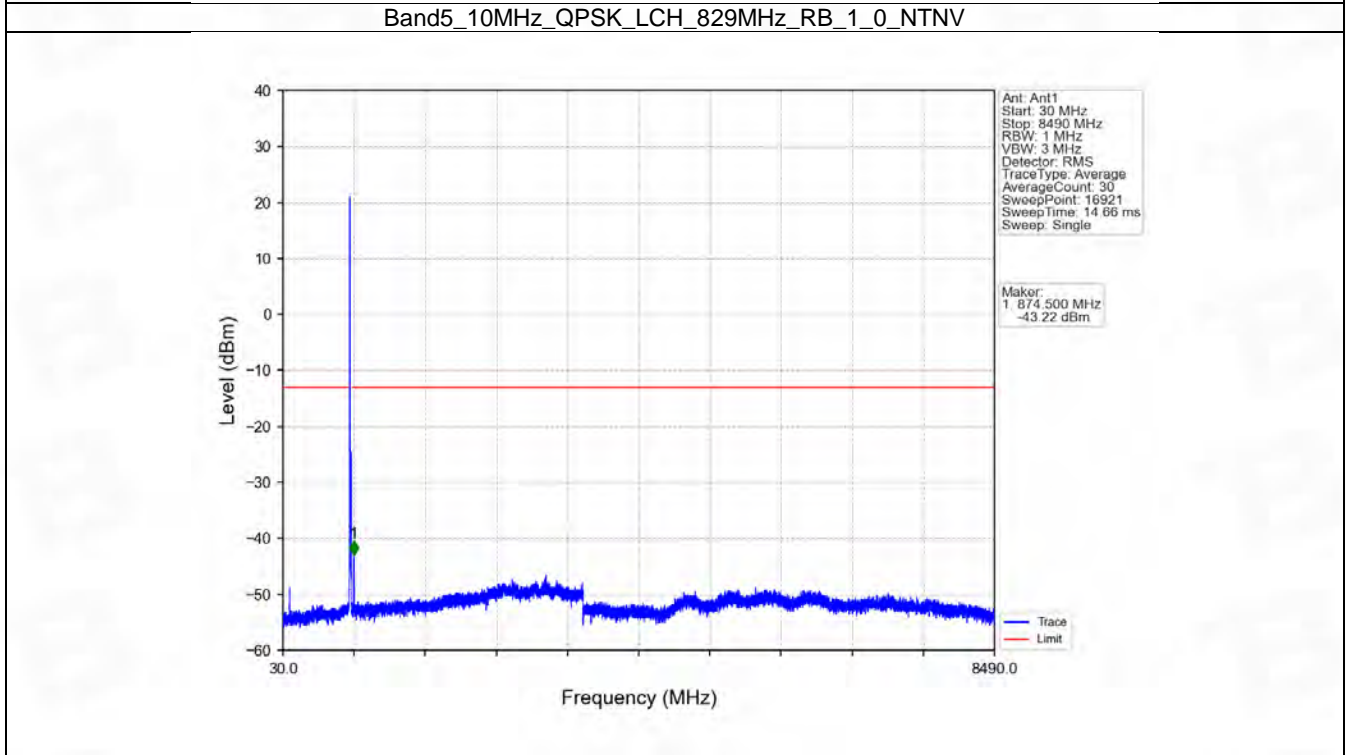
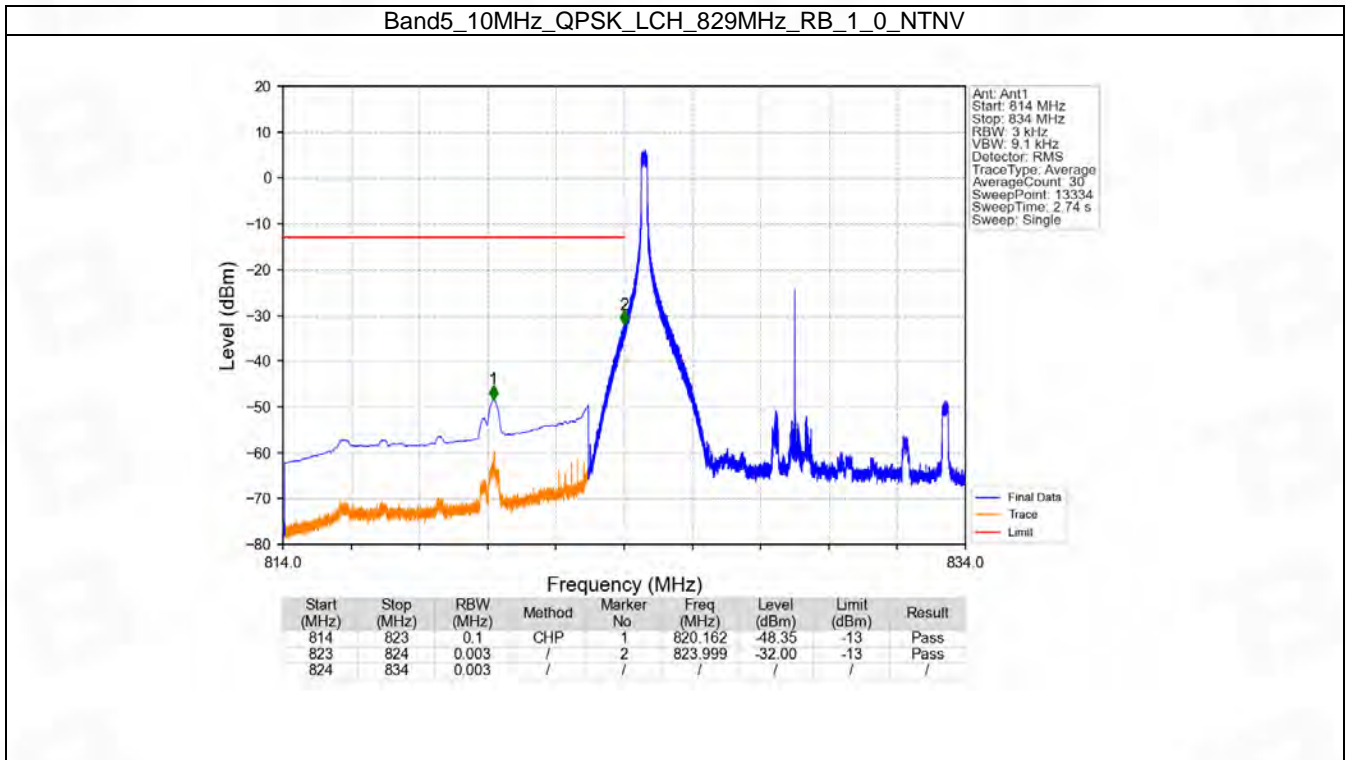


6.4 B5_10MHz

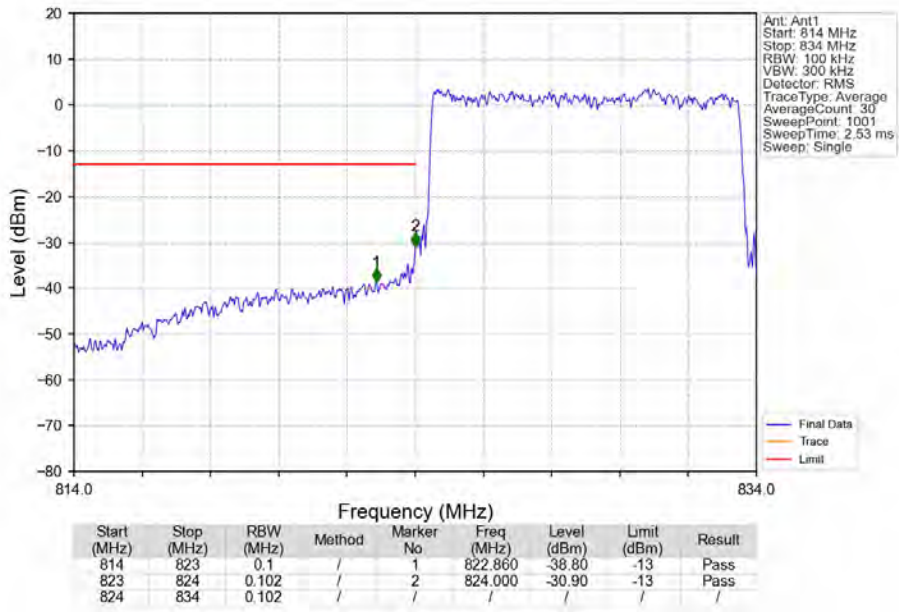
6.4.1 Test Result

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	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	
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	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	

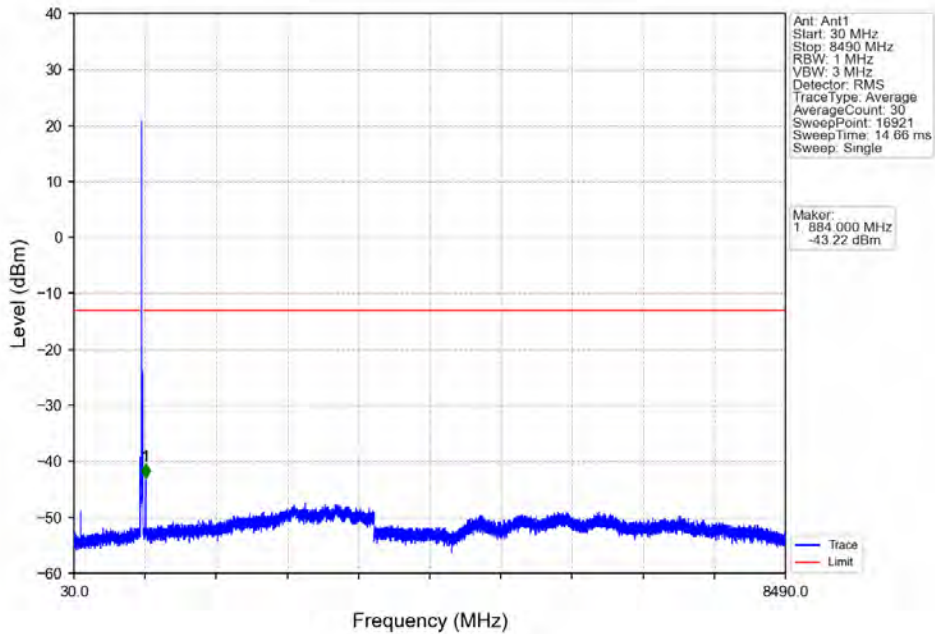
6.4.2 Test Graph



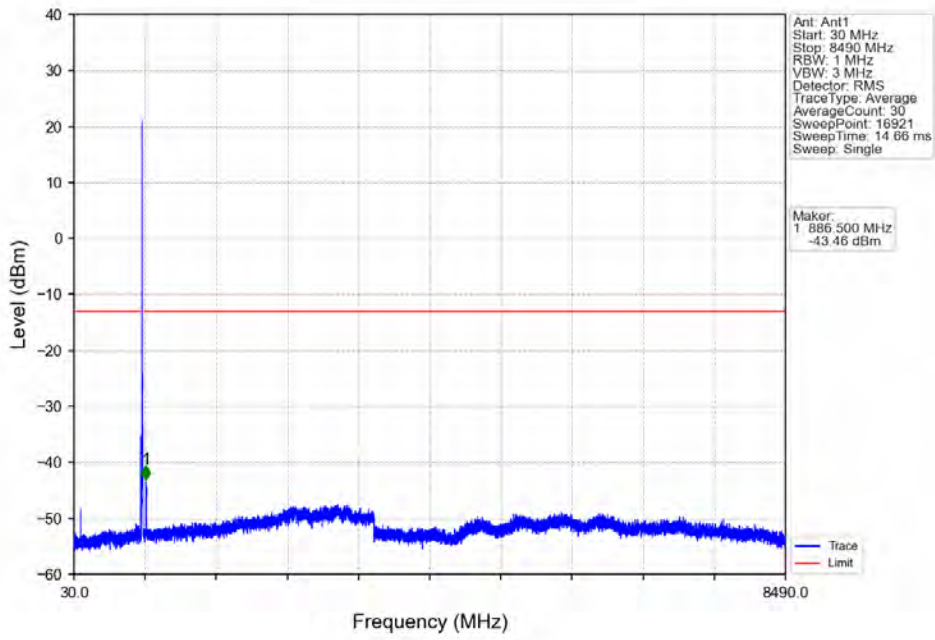
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



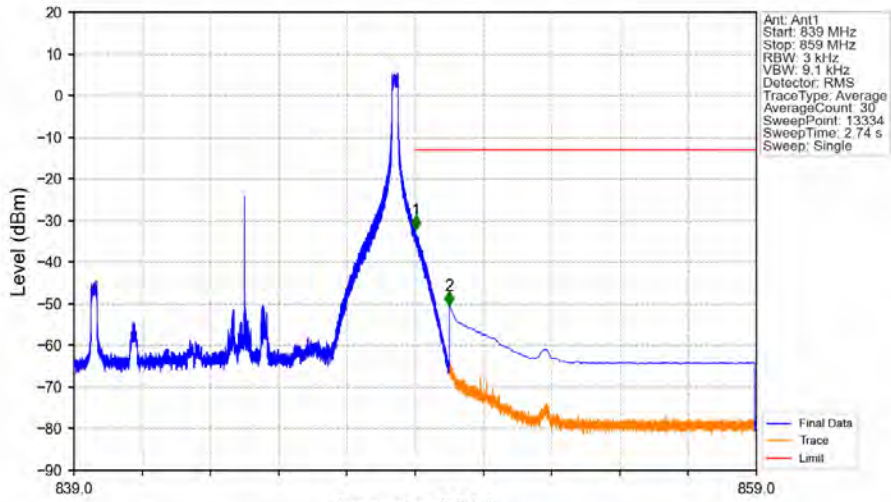
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

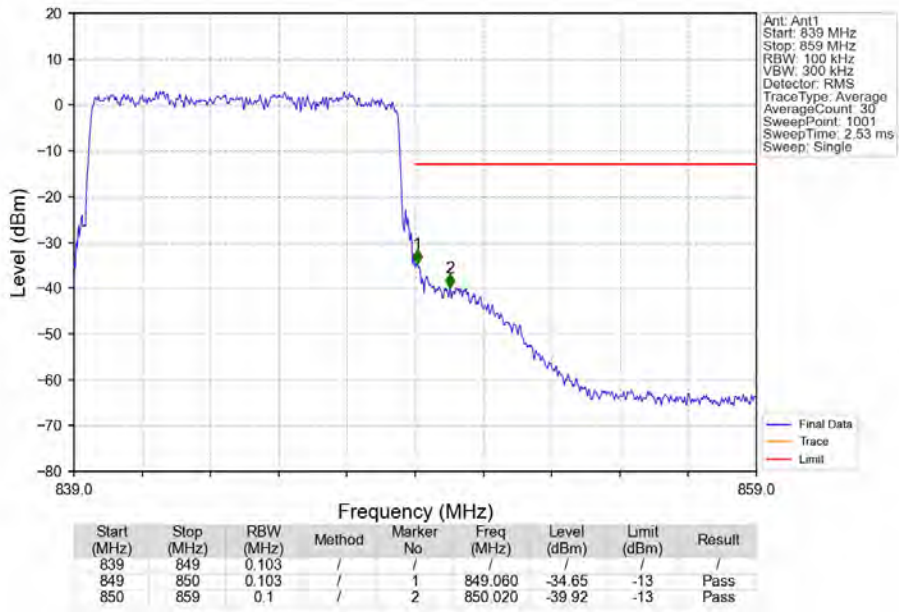


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV

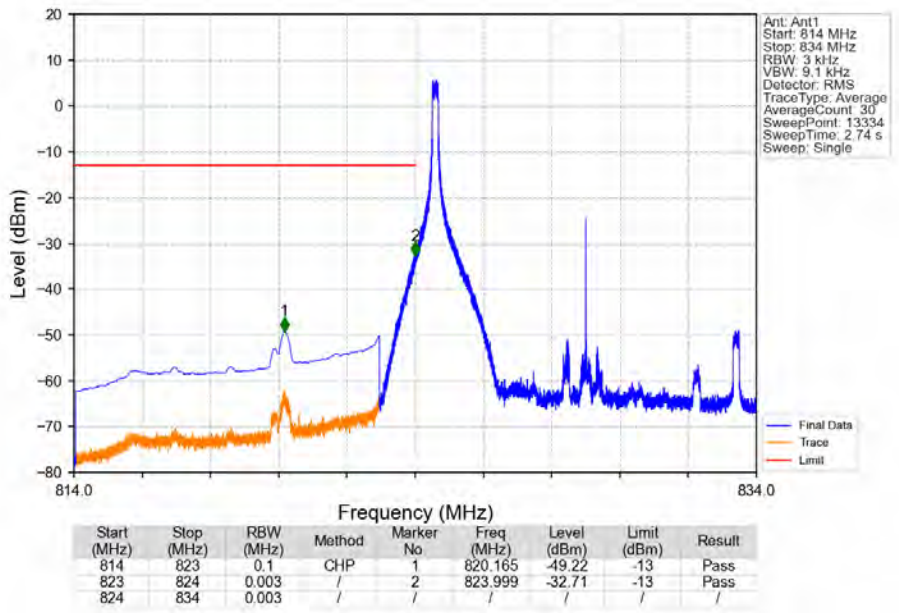


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.013	-32.17	-13	Pass
849	850	0.003	/	2	850.001	-50.38	-13	Pass

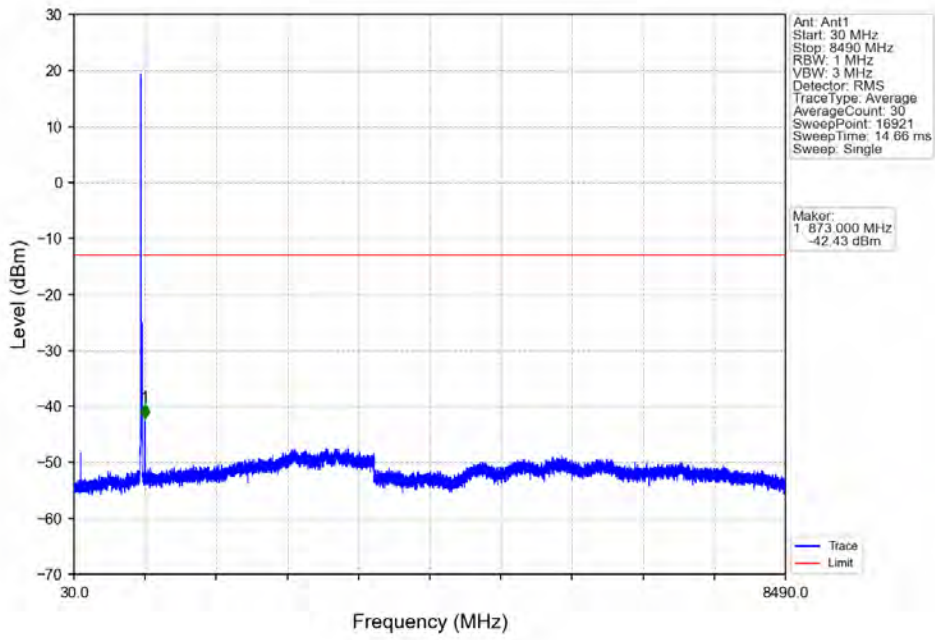
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



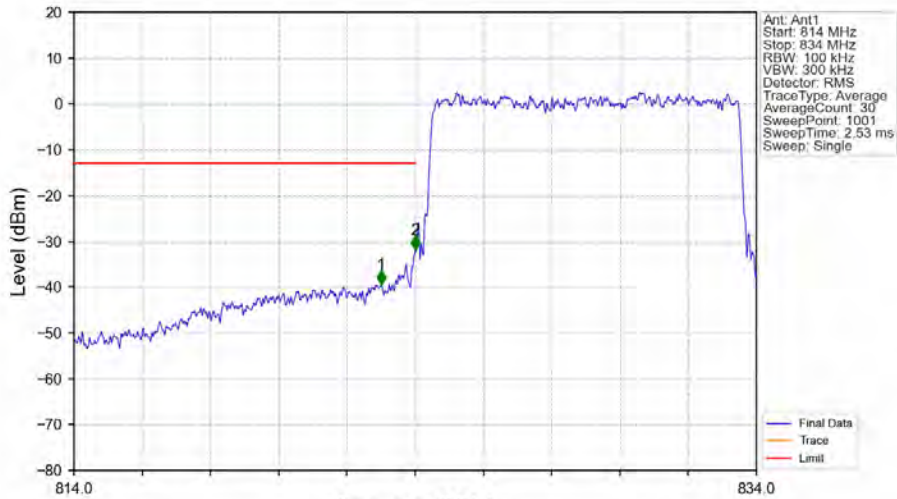
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

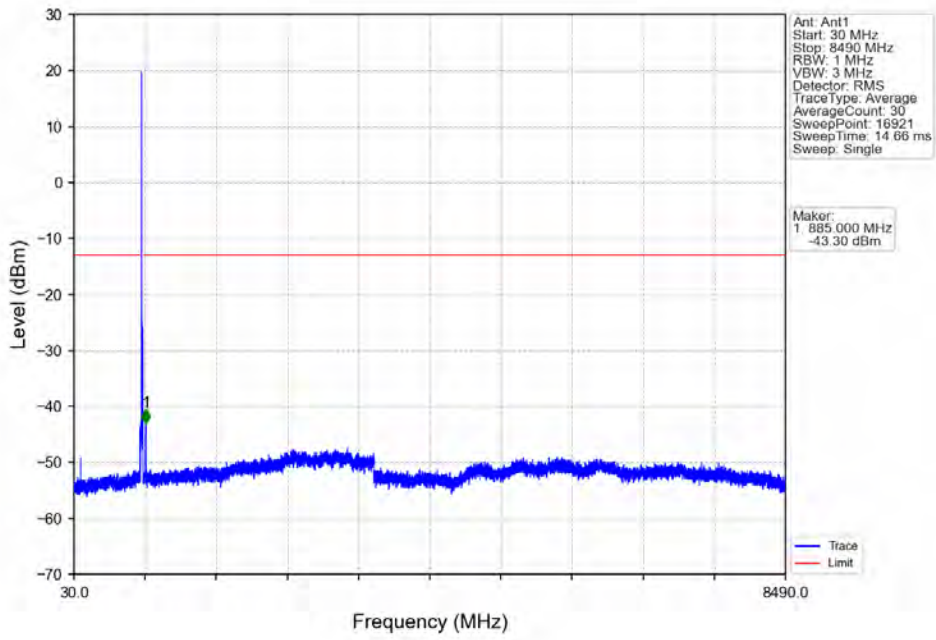


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

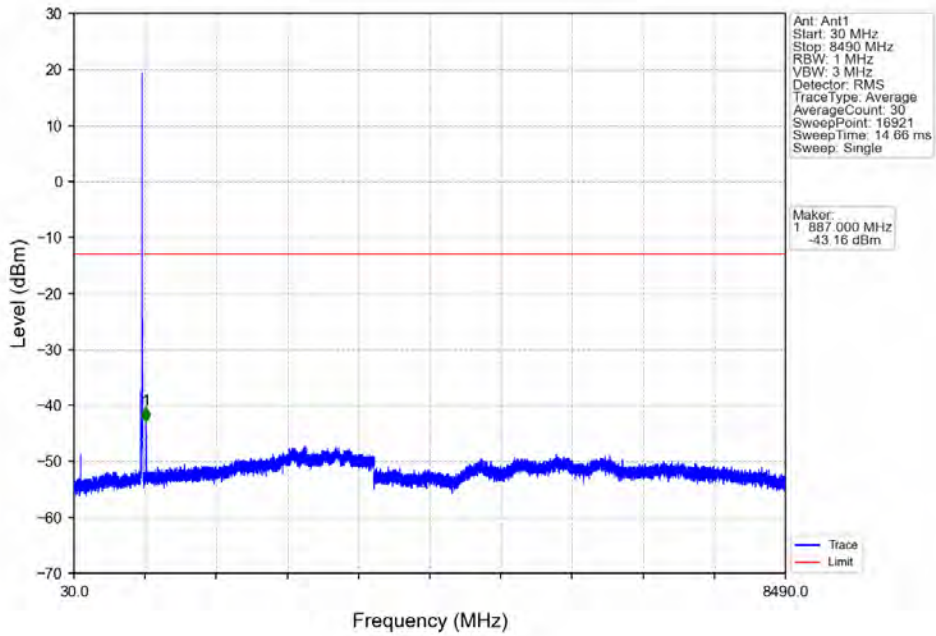


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	823.000	-39.38	-13	Pass
823	824	0.103	/	2	824.000	-31.85	-13	Pass
824	834	0.103	/	/	/	/	/	/

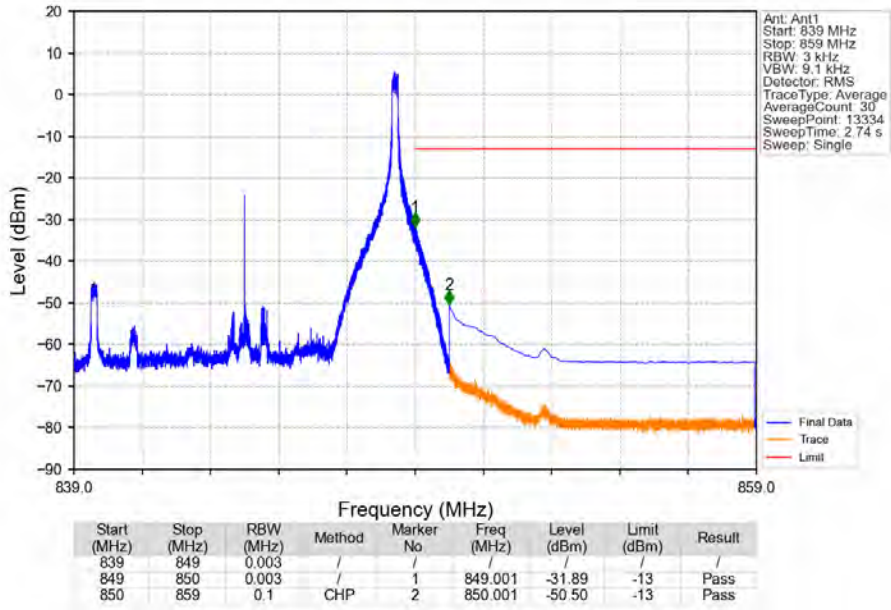
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



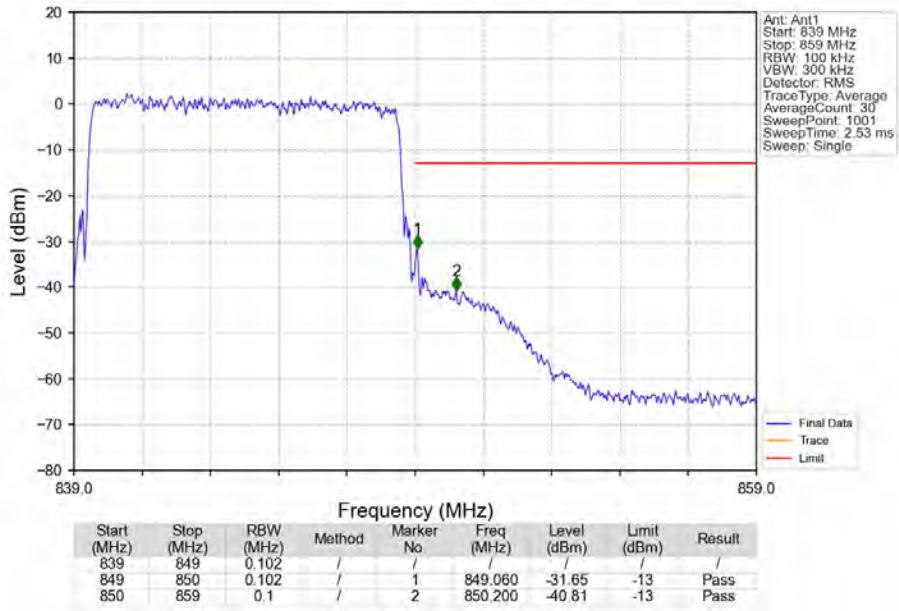
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_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	0.1517	0.0158	ppm	1M11G7D	22H	21.81
5	1.4	824.7	848.3	0.1247	0.0180	ppm	1M11W7D	22H	20.96
5	3	825.5	847.5	0.1585	0.0124	ppm	2M73G7D	22H	22.00
5	3	825.5	847.5	0.1377	0.0105	ppm	2M73W7D	22H	21.39
5	5	826.5	846.5	0.1524	0.0144	ppm	4M57G7D	22H	21.83
5	5	826.5	846.5	0.1271	0.0115	ppm	4M60W7D	22H	21.04
5	10	829	844	0.1585	0.0133	ppm	9M09G7D	22H	22.00
5	10	829	844	0.1374	0.0136	ppm	9M10W7D	22H	21.38

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	0.0839	0.0158	ppm	1M11G7D	22H	19.24
5	1.4	824.7	848.3	0.0690	0.0180	ppm	1M11W7D	22H	18.39
5	3	825.5	847.5	0.0877	0.0124	ppm	2M73G7D	22H	19.43
5	3	825.5	847.5	0.0762	0.0105	ppm	2M73W7D	22H	18.82
5	5	826.5	846.5	0.0843	0.0144	ppm	4M57G7D	22H	19.26
5	5	826.5	846.5	0.0703	0.0115	ppm	4M60W7D	22H	18.47
5	10	829	844	0.0877	0.0133	ppm	9M09G7D	22H	19.43
5	10	829	844	0.0760	0.0136	ppm	9M10W7D	22H	18.81