

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.23	-0.74	19.34	<=38.45	Pass
			2	22.29	-0.74	19.40	<=38.45	Pass
			5	22.23	-0.74	19.34	<=38.45	Pass
		3	0	22.32	-0.74	19.43	<=38.45	Pass
			2	22.31	-0.74	19.42	<=38.45	Pass
			3	22.30	-0.74	19.41	<=38.45	Pass
		6	0	21.25	-0.74	18.36	<=38.45	Pass
	836.5	1	0	22.24	-0.74	19.35	<=38.45	Pass
			2	22.28	-0.74	19.39	<=38.45	Pass
			5	22.24	-0.74	19.35	<=38.45	Pass
		3	0	22.27	-0.74	19.38	<=38.45	Pass
			2	22.22	-0.74	19.33	<=38.45	Pass
			3	22.24	-0.74	19.35	<=38.45	Pass
		6	0	21.18	-0.74	18.29	<=38.45	Pass
	848.3	1	0	22.28	-0.74	19.39	<=38.45	Pass
			2	22.29	-0.74	19.40	<=38.45	Pass
			5	22.25	-0.74	19.36	<=38.45	Pass
		3	0	22.16	-0.74	19.27	<=38.45	Pass
			2	22.18	-0.74	19.29	<=38.45	Pass
			3	22.16	-0.74	19.27	<=38.45	Pass
		6	0	21.29	-0.74	18.40	<=38.45	Pass
16QAM	824.7	1	0	21.45	-0.74	18.56	<=38.45	Pass
			2	21.49	-0.74	18.60	<=38.45	Pass
			5	21.43	-0.74	18.54	<=38.45	Pass
		3	0	21.33	-0.74	18.44	<=38.45	Pass
			2	21.30	-0.74	18.41	<=38.45	Pass
			3	21.31	-0.74	18.42	<=38.45	Pass
		6	0	20.20	-0.74	17.31	<=38.45	Pass
	836.5	1	0	21.23	-0.74	18.34	<=38.45	Pass
			2	21.26	-0.74	18.37	<=38.45	Pass
			5	21.23	-0.74	18.34	<=38.45	Pass
		3	0	21.30	-0.74	18.41	<=38.45	Pass
			2	21.26	-0.74	18.37	<=38.45	Pass
			3	21.28	-0.74	18.39	<=38.45	Pass
		6	0	20.14	-0.74	17.25	<=38.45	Pass
	848.3	1	0	21.08	-0.74	18.19	<=38.45	Pass
			2	21.11	-0.74	18.22	<=38.45	Pass
			5	21.07	-0.74	18.18	<=38.45	Pass
		3	0	21.23	-0.74	18.34	<=38.45	Pass
			2	21.27	-0.74	18.38	<=38.45	Pass
			3	21.29	-0.74	18.40	<=38.45	Pass
		6	0	20.06	-0.74	17.17	<=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	22.20	-0.74	19.31	<=38.45	Pass
			7	22.13	-0.74	19.24	<=38.45	Pass
			14	22.13	-0.74	19.24	<=38.45	Pass
		8	0	21.32	-0.74	18.43	<=38.45	Pass
			4	21.30	-0.74	18.41	<=38.45	Pass
			7	21.29	-0.74	18.40	<=38.45	Pass
		15	0	21.29	-0.74	18.40	<=38.45	Pass
	836.5	1	0	22.18	-0.74	19.29	<=38.45	Pass
			7	22.12	-0.74	19.23	<=38.45	Pass
			14	22.13	-0.74	19.24	<=38.45	Pass
		8	0	21.27	-0.74	18.38	<=38.45	Pass
			4	21.25	-0.74	18.36	<=38.45	Pass
			7	21.24	-0.74	18.35	<=38.45	Pass
	15	0	21.22	-0.74	18.33	<=38.45	Pass	
	847.5	1	0	22.36	-0.74	19.47	<=38.45	Pass
			7	22.32	-0.74	19.43	<=38.45	Pass
			14	22.27	-0.74	19.38	<=38.45	Pass
		8	0	21.33	-0.74	18.44	<=38.45	Pass
			4	21.32	-0.74	18.43	<=38.45	Pass
			7	21.31	-0.74	18.42	<=38.45	Pass
		15	0	21.21	-0.74	18.32	<=38.45	Pass
16QAM		825.5	1	0	21.77	-0.74	18.88	<=38.45
	7			21.71	-0.74	18.82	<=38.45	Pass
	14			21.65	-0.74	18.76	<=38.45	Pass
	8		0	20.43	-0.74	17.54	<=38.45	Pass
			4	20.38	-0.74	17.49	<=38.45	Pass
			7	20.37	-0.74	17.48	<=38.45	Pass
	15		0	20.30	-0.74	17.41	<=38.45	Pass
	836.5	1	0	21.33	-0.74	18.44	<=38.45	Pass
			7	21.30	-0.74	18.41	<=38.45	Pass
			14	21.29	-0.74	18.40	<=38.45	Pass
		8	0	20.24	-0.74	17.35	<=38.45	Pass
			4	20.24	-0.74	17.35	<=38.45	Pass
			7	20.22	-0.74	17.33	<=38.45	Pass
	15	0	20.20	-0.74	17.31	<=38.45	Pass	
	847.5	1	0	21.18	-0.74	18.29	<=38.45	Pass
			7	21.14	-0.74	18.25	<=38.45	Pass
			14	21.15	-0.74	18.26	<=38.45	Pass
		8	0	20.17	-0.74	17.28	<=38.45	Pass
			4	20.19	-0.74	17.30	<=38.45	Pass
			7	20.18	-0.74	17.29	<=38.45	Pass
		15	0	20.11	-0.74	17.22	<=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	22.27	-0.74	19.38	<=38.45	Pass
			13	22.23	-0.74	19.34	<=38.45	Pass
			24	22.19	-0.74	19.30	<=38.45	Pass
		12	0	21.31	-0.74	18.42	<=38.45	Pass
			6	21.29	-0.74	18.40	<=38.45	Pass
			13	21.28	-0.74	18.39	<=38.45	Pass
		25	0	21.24	-0.74	18.35	<=38.45	Pass
	836.5	1	0	22.28	-0.74	19.39	<=38.45	Pass
			13	22.24	-0.74	19.35	<=38.45	Pass
			24	22.19	-0.74	19.30	<=38.45	Pass
		12	0	21.27	-0.74	18.38	<=38.45	Pass
			6	21.26	-0.74	18.37	<=38.45	Pass
			13	21.26	-0.74	18.37	<=38.45	Pass
		25	0	21.22	-0.74	18.33	<=38.45	Pass
	846.5	1	0	22.33	-0.74	19.44	<=38.45	Pass
			13	22.04	-0.74	19.15	<=38.45	Pass
			24	22.30	-0.74	19.41	<=38.45	Pass
		12	0	21.29	-0.74	18.40	<=38.45	Pass
			6	21.28	-0.74	18.39	<=38.45	Pass
			13	21.26	-0.74	18.37	<=38.45	Pass
		25	0	21.22	-0.74	18.33	<=38.45	Pass
16QAM	826.5	1	0	21.17	-0.74	18.28	<=38.45	Pass
			13	21.12	-0.74	18.23	<=38.45	Pass
			24	21.06	-0.74	18.17	<=38.45	Pass
		12	0	20.26	-0.74	17.37	<=38.45	Pass
			6	20.22	-0.74	17.33	<=38.45	Pass
			13	20.20	-0.74	17.31	<=38.45	Pass
		25	0	20.21	-0.74	17.32	<=38.45	Pass
	836.5	1	0	21.45	-0.74	18.56	<=38.45	Pass
			13	21.48	-0.74	18.59	<=38.45	Pass
			24	21.43	-0.74	18.54	<=38.45	Pass
		12	0	20.33	-0.74	17.44	<=38.45	Pass
			6	20.32	-0.74	17.43	<=38.45	Pass
			13	20.32	-0.74	17.43	<=38.45	Pass
		25	0	20.21	-0.74	17.32	<=38.45	Pass
	846.5	1	0	21.31	-0.74	18.42	<=38.45	Pass
			13	21.27	-0.74	18.38	<=38.45	Pass
			24	21.26	-0.74	18.37	<=38.45	Pass
		12	0	20.23	-0.74	17.34	<=38.45	Pass
			6	20.14	-0.74	17.25	<=38.45	Pass
			13	20.13	-0.74	17.24	<=38.45	Pass
		25	0	20.11	-0.74	17.22	<=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	22.29	-0.74	19.40	<=38.45	Pass
			25	22.19	-0.74	19.30	<=38.45	Pass

			49	22.25	-0.74	19.36	<=38.45	Pass	
			25	0	21.28	-0.74	18.39	<=38.45	Pass
				13	21.23	-0.74	18.34	<=38.45	Pass
				25	21.22	-0.74	18.33	<=38.45	Pass
		50	0	21.25	-0.74	18.36	<=38.45	Pass	
		836.5	1	0	22.25	-0.74	19.36	<=38.45	Pass
				25	22.17	-0.74	19.28	<=38.45	Pass
				49	22.21	-0.74	19.32	<=38.45	Pass
			25	0	21.23	-0.74	18.34	<=38.45	Pass
				13	21.23	-0.74	18.34	<=38.45	Pass
	25			21.24	-0.74	18.35	<=38.45	Pass	
	50		0	21.26	-0.74	18.37	<=38.45	Pass	
	844	1	0	22.28	-0.74	19.39	<=38.45	Pass	
			25	22.04	-0.74	19.15	<=38.45	Pass	
			49	22.04	-0.74	19.15	<=38.45	Pass	
		25	0	21.24	-0.74	18.35	<=38.45	Pass	
			13	21.22	-0.74	18.33	<=38.45	Pass	
			25	21.23	-0.74	18.34	<=38.45	Pass	
		50	0	21.24	-0.74	18.35	<=38.45	Pass	

16QAM		829	1	0	21.81	-0.74	18.92	<=38.45	Pass
				25	21.66	-0.74	18.77	<=38.45	Pass
				49	21.64	-0.74	18.75	<=38.45	Pass
			25	0	20.27	-0.74	17.38	<=38.45	Pass
				13	20.22	-0.74	17.33	<=38.45	Pass
				25	20.19	-0.74	17.30	<=38.45	Pass
			50	0	20.20	-0.74	17.31	<=38.45	Pass
		836.5	1	0	21.38	-0.74	18.49	<=38.45	Pass
				25	21.33	-0.74	18.44	<=38.45	Pass
				49	21.38	-0.74	18.49	<=38.45	Pass
	25		0	20.18	-0.74	17.29	<=38.45	Pass	
			13	20.26	-0.74	17.37	<=38.45	Pass	
			25	20.28	-0.74	17.39	<=38.45	Pass	
	50		0	20.27	-0.74	17.38	<=38.45	Pass	
	844	1	0	21.27	-0.74	18.38	<=38.45	Pass	
			25	21.12	-0.74	18.23	<=38.45	Pass	
			49	21.13	-0.74	18.24	<=38.45	Pass	
		25	0	20.33	-0.74	17.44	<=38.45	Pass	
			13	20.29	-0.74	17.40	<=38.45	Pass	
			25	20.17	-0.74	17.28	<=38.45	Pass	
		50	0	20.25	-0.74	17.36	<=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	1.502	0.0018	-2.5 to 2.5	Pass
					3.85	0.672	0.0008	-2.5 to 2.5	Pass
					4.43	10.343	0.0125	-2.5 to 2.5	Pass

				-30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	5.007	0.0061	-2.5 to 2.5	Pass
				0	3.85	6.909	0.0084	-2.5 to 2.5	Pass
				10	3.85	2.933	0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0066	-2.5 to 2.5	Pass
				40	3.85	7.324	0.0089	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0096	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	2.604	0.0031	-2.5 to 2.5	Pass
					3.85	5.422	0.0065	-2.5 to 2.5	Pass
					4.43	4.449	0.0053	-2.5 to 2.5	Pass
				-30	3.85	-31.772	-0.0380	-2.5 to 2.5	Pass
				-20	3.85	7.925	0.0095	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				40	3.85	2.518	0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	-6.223	-0.0073	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.488	0.0018	-2.5 to 2.5	Pass
				-20	3.85	11.044	0.0130	-2.5 to 2.5	Pass
				-10	3.85	1.774	0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	7.539	0.0089	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-2.675	-0.0032	-2.5 to 2.5	Pass
					3.85	1.287	0.0016	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-12.460	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	10.443	0.0127	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
	836.5	6	0	30	3.85	-4.091	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				20	3.27	-3.176	-0.0038	-2.5 to 2.5	Pass
					3.85	1.631	0.0019	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
	848.3	6	0	0	3.85	6.709	0.0080	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0019	-2.5 to 2.5	Pass
				20	3.27	-8.268	-0.0097	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-6.638	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-6.237	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0025	-2.5 to 2.5	Pass

				-10	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0033	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				40	3.85	3.233	0.0038	-2.5 to 2.5	Pass
				50	3.85	2.432	0.0029	-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	4.478	0.0054	-2.5 to 2.5	Pass
					3.85	-7.968	-0.0097	-2.5 to 2.5	Pass
					4.43	1.330	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.731	0.0021	-2.5 to 2.5	Pass
				-20	3.85	5.965	0.0072	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0053	-2.5 to 2.5	Pass
				10	3.85	3.490	0.0042	-2.5 to 2.5	Pass
				30	3.85	-9.785	-0.0119	-2.5 to 2.5	Pass
				40	3.85	6.437	0.0078	-2.5 to 2.5	Pass
				50	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.286	-0.0003	-2.5 to 2.5	Pass
					3.85	6.981	0.0083	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	4.649	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				0	3.85	4.077	0.0049	-2.5 to 2.5	Pass
				10	3.85	7.024	0.0084	-2.5 to 2.5	Pass
				30	3.85	5.164	0.0062	-2.5 to 2.5	Pass
				40	3.85	2.475	0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	4.992	0.0059	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
					4.43	10.672	0.0126	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	8.311	0.0098	-2.5 to 2.5	Pass
				0	3.85	1.802	0.0021	-2.5 to 2.5	Pass
				10	3.85	0.715	0.0008	-2.5 to 2.5	Pass
				30	3.85	5.436	0.0064	-2.5 to 2.5	Pass
				40	3.85	10.743	0.0127	-2.5 to 2.5	Pass
				50	3.85	-8.783	-0.0104	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	1.502	0.0018	-2.5 to 2.5	Pass
					3.85	3.262	0.0040	-2.5 to 2.5	Pass
					4.43	0.386	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.289	0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-10.457	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-9.999	-0.0121	-2.5 to 2.5	Pass

	836.5	15	0	30	3.85	1.516	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.304	0.0040	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				20	3.27	-2.046	-0.0024	-2.5 to 2.5	Pass
					3.85	4.106	0.0049	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	8.740	0.0104	-2.5 to 2.5	Pass
				-20	3.85	3.319	0.0040	-2.5 to 2.5	Pass
				-10	3.85	5.536	0.0066	-2.5 to 2.5	Pass
				0	3.85	6.638	0.0079	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0017	-2.5 to 2.5	Pass
				30	3.85	5.593	0.0067	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	6.709	0.0079	-2.5 to 2.5	Pass
					3.85	2.332	0.0028	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	1.259	0.0015	-2.5 to 2.5	Pass
				-20	3.85	5.322	0.0063	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
				0	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.717	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.730	0.0009	-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	-0.386	-0.0005	-2.5 to 2.5	Pass
					3.85	5.164	0.0062	-2.5 to 2.5	Pass
					4.43	1.631	0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.702	0.0021	-2.5 to 2.5	Pass
				30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0065	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0004	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	3.662	0.0044	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
					4.43	2.332	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.202	0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0031	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0008	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-3.219	-0.0038	-2.5 to 2.5	Pass
					3.85	0.243	0.0003	-2.5 to 2.5	Pass
					4.43	4.606	0.0054	-2.5 to 2.5	Pass
				-30	3.85	9.813	0.0116	-2.5 to 2.5	Pass
				-20	3.85	-7.782	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	0.572	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	2.217	0.0027	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0030	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.101	-0.0013	-2.5 to 2.5	Pass
					3.85	0.644	0.0008	-2.5 to 2.5	Pass
					4.43	0.458	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				40	3.85	2.060	0.0025	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	2.174	0.0026	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.618	0.0031	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.345	0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass

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	-0.930	-0.0011	-2.5 to 2.5	Pass
					3.85	2.275	0.0027	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0075	-2.5 to 2.5	Pass

				-30	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass	
				-20	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass	
				-10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass	
				0	3.85	0.758	0.0009	-2.5 to 2.5	Pass	
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass	
				30	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass	
				40	3.85	0.801	0.0010	-2.5 to 2.5	Pass	
				50	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass	
	836.5	50	0	20	3.27	2.604	0.0031	-2.5 to 2.5	Pass	
					3.85	2.017	0.0024	-2.5 to 2.5	Pass	
					4.43	3.691	0.0044	-2.5 to 2.5	Pass	
				-30	3.85	0.615	0.0007	-2.5 to 2.5	Pass	
				-20	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass	
				-10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass	
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass	
				10	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass	
				30	3.85	2.575	0.0031	-2.5 to 2.5	Pass	
				40	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass	
	50	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass				
	844	50	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass	
					3.85	0.916	0.0011	-2.5 to 2.5	Pass	
					4.43	0.973	0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass	
				-20	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass	
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass	
				0	3.85	0.901	0.0011	-2.5 to 2.5	Pass	
				10	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass	
				30	3.85	0.401	0.0005	-2.5 to 2.5	Pass	
				40	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass	
	50	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass				
	16QAM	829	50	0	20	3.27	-0.358	-0.0004	-2.5 to 2.5	Pass
						3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
						4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
					-30	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
					-20	3.85	-3.204	-0.0039	-2.5 to 2.5	Pass
					-10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
0					3.85	-1.044	-0.0013	-2.5 to 2.5	Pass	
10					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass	
30					3.85	-0.901	-0.0011	-2.5 to 2.5	Pass	
40					3.85	0.172	0.0002	-2.5 to 2.5	Pass	
50		3.85	-4.835	-0.0058	-2.5 to 2.5	Pass				
836.5		50	0	20	3.27	-0.629	-0.0008	-2.5 to 2.5	Pass	
					3.85	-3.576	-0.0043	-2.5 to 2.5	Pass	
					4.43	1.974	0.0024	-2.5 to 2.5	Pass	
				-30	3.85	0.186	0.0002	-2.5 to 2.5	Pass	
				-20	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass	
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass	
				0	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass	
				10	3.85	0.830	0.0010	-2.5 to 2.5	Pass	
				30	3.85	0.072	0.0001	-2.5 to 2.5	Pass	
				40	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass	
50		3.85	1.030	0.0012	-2.5 to 2.5	Pass				
844		50	0	20	3.27	-2.017	-0.0024	-2.5 to 2.5	Pass	
					3.85	-3.276	-0.0039	-2.5 to 2.5	Pass	
					4.43	3.319	0.0039	-2.5 to 2.5	Pass	
				-30	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass	
				-20	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass	

				-10	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass

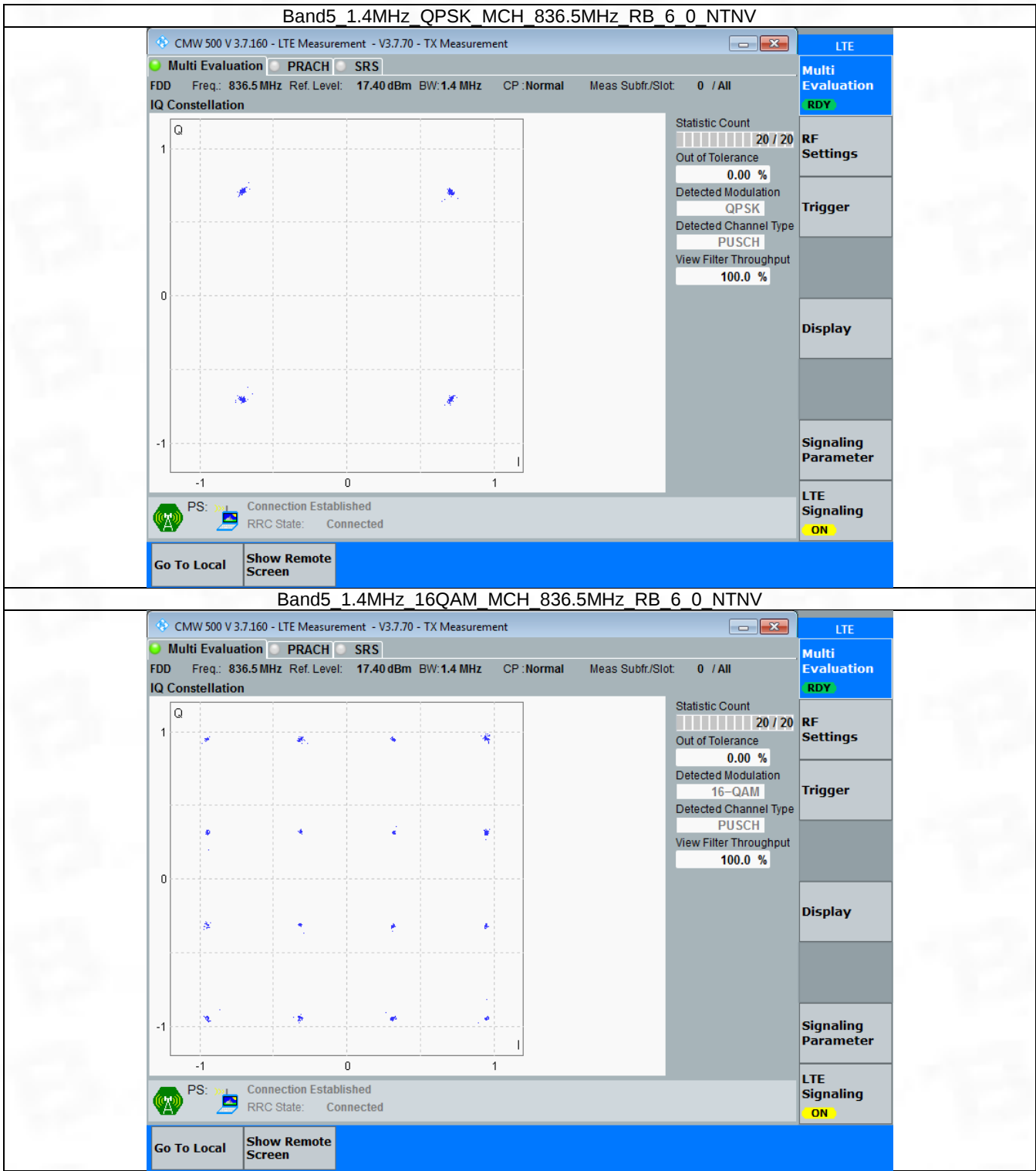
3. Modulation Characteristics

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

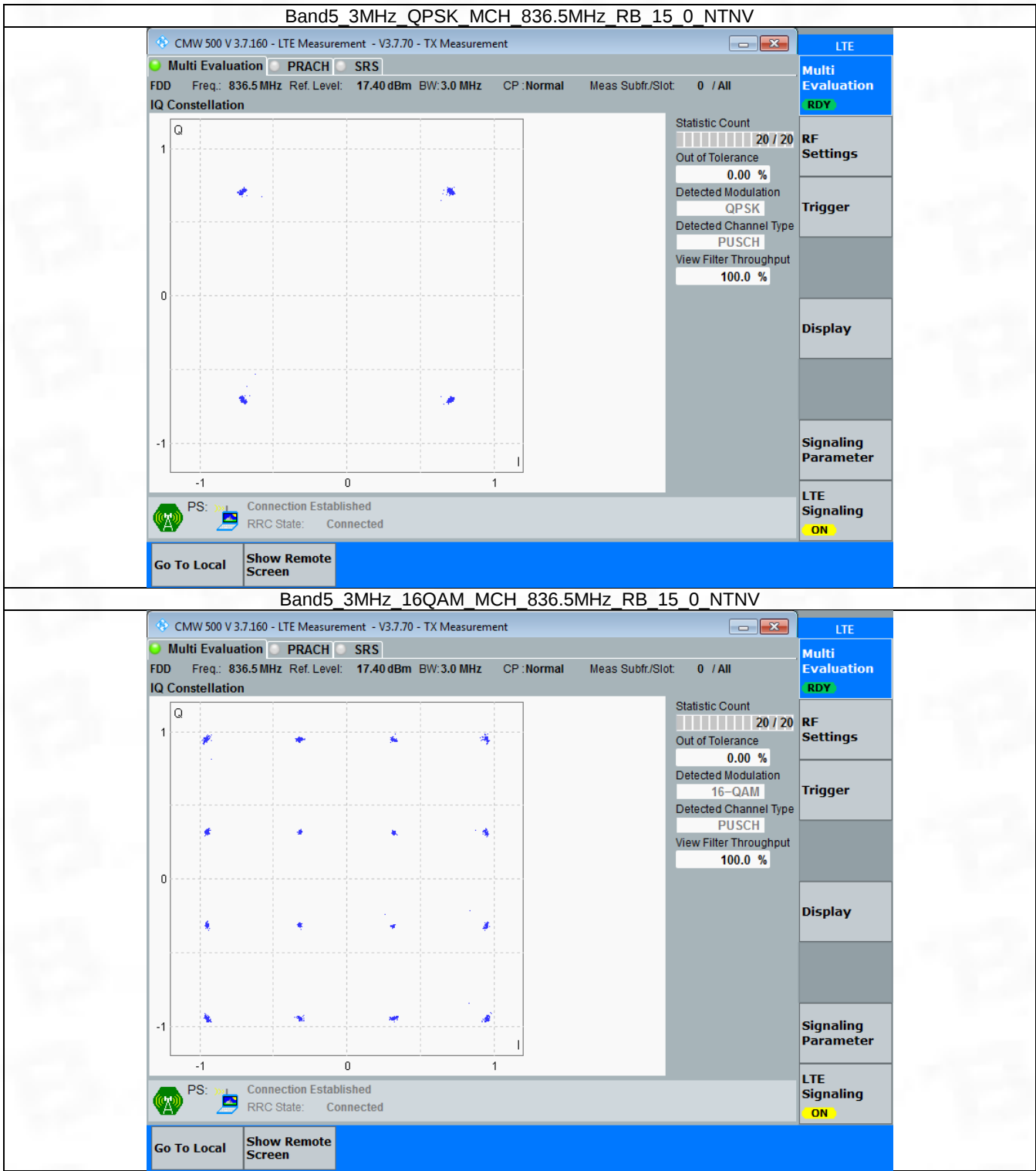


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTV						
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

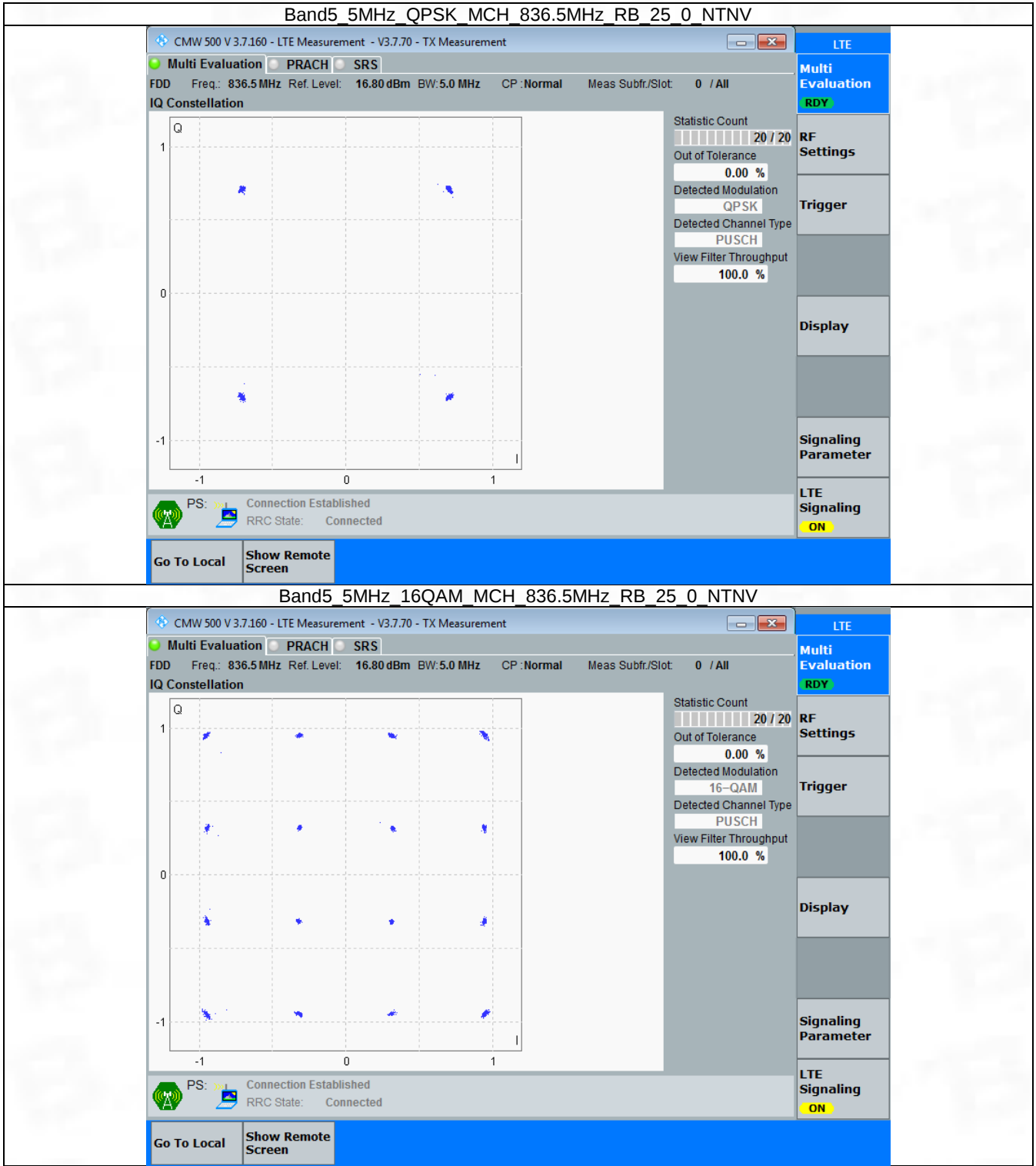


3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTV						
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

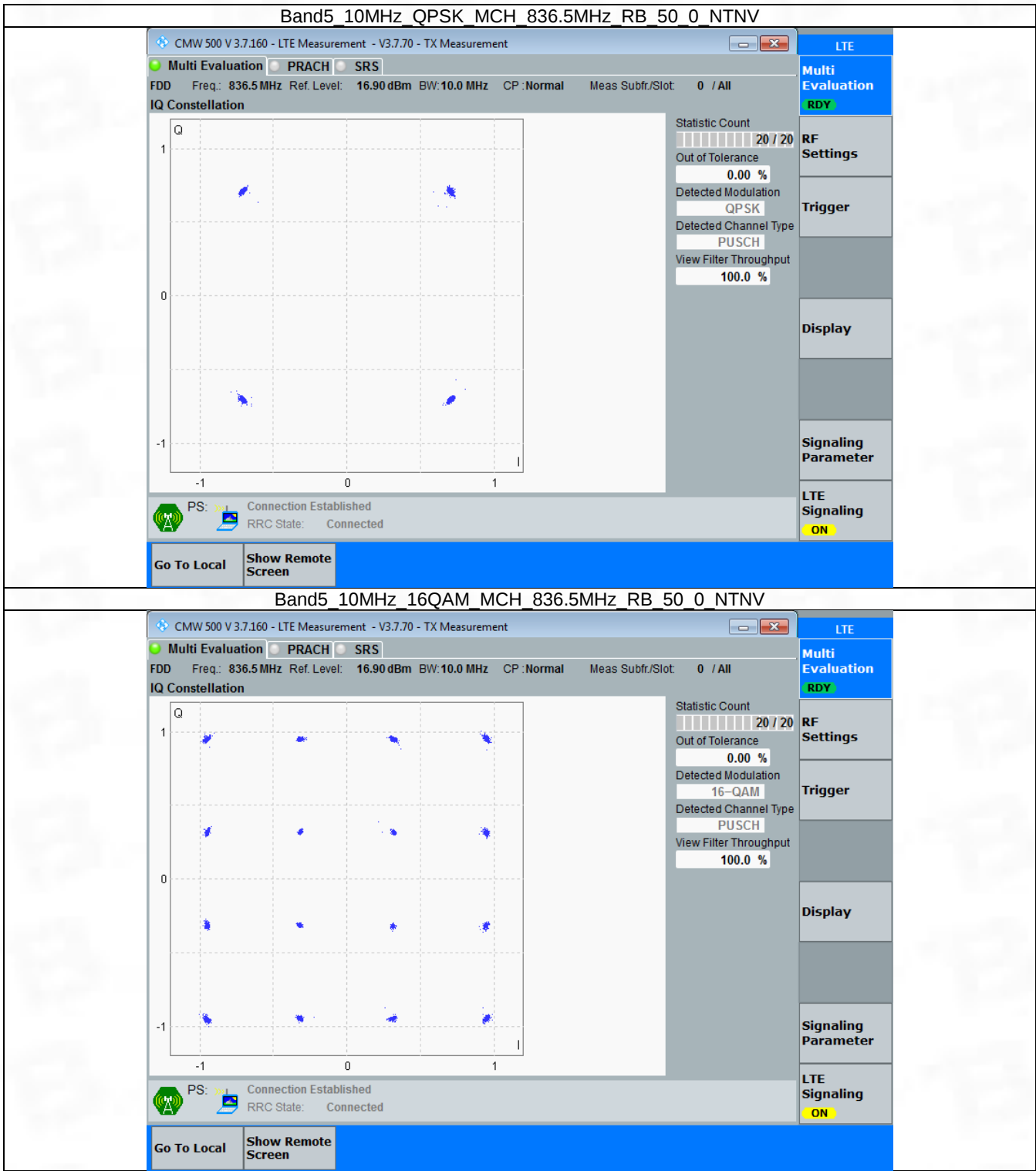


3.4 B5_10MHz

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



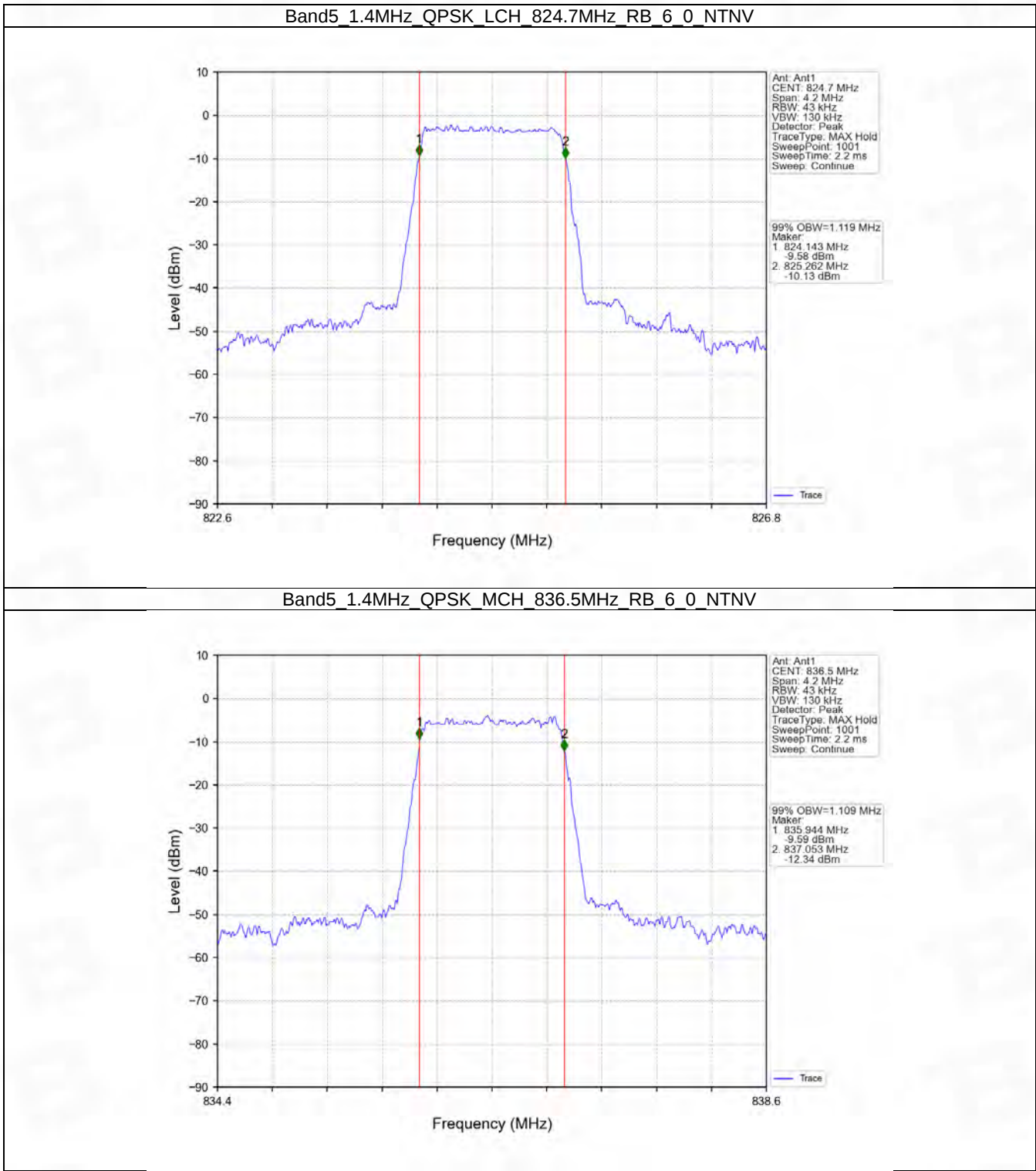
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

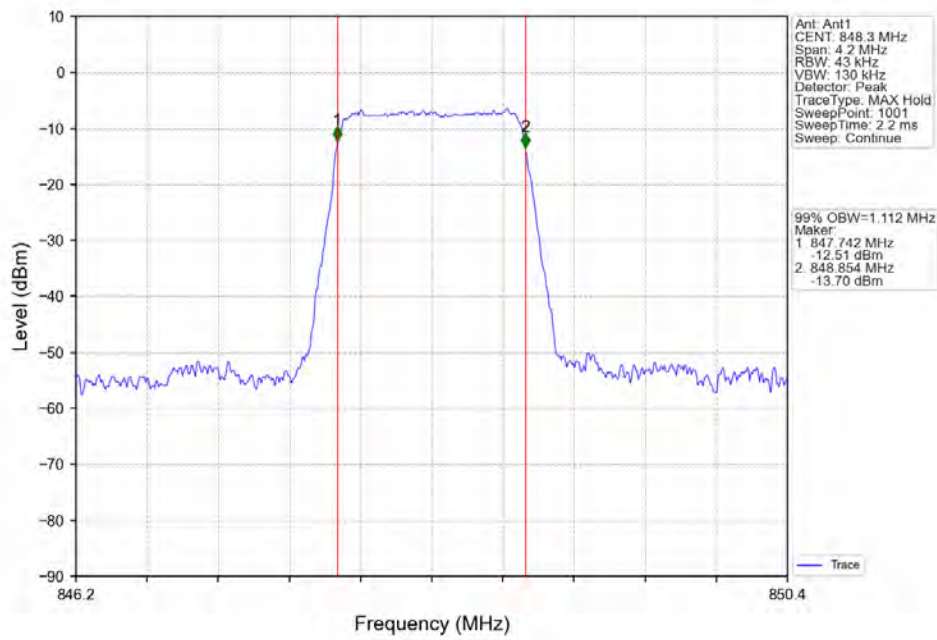
4.1.1 Test Result

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	1.119	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.112	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.112	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.728	/	Pass
		836.5	15	0	2.739	/	Pass
		847.5	15	0	2.743	/	Pass
	16QAM	825.5	15	0	2.734	/	Pass
		836.5	15	0	2.735	/	Pass
		847.5	15	0	2.743	/	Pass
5	QPSK	826.5	25	0	4.573	/	Pass
		836.5	25	0	4.560	/	Pass
		846.5	25	0	4.582	/	Pass
	16QAM	826.5	25	0	4.571	/	Pass
		836.5	25	0	4.594	/	Pass
		846.5	25	0	4.583	/	Pass
10	QPSK	829	50	0	9.094	/	Pass
		836.5	50	0	9.060	/	Pass
		844	50	0	9.083	/	Pass
	16QAM	829	50	0	9.088	/	Pass
		836.5	50	0	9.067	/	Pass
		844	50	0	9.082	/	Pass

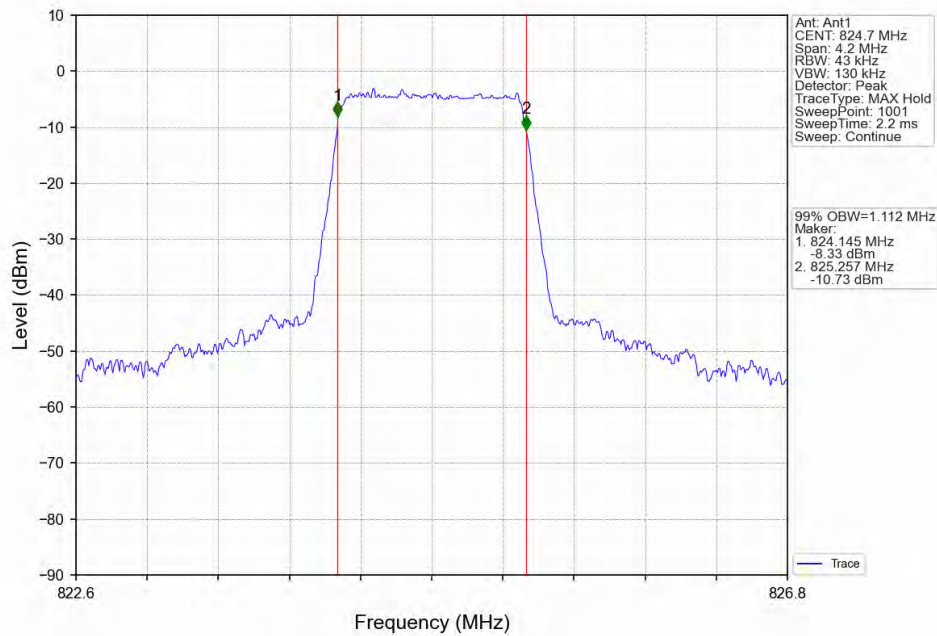
4.1.2 Test Graph



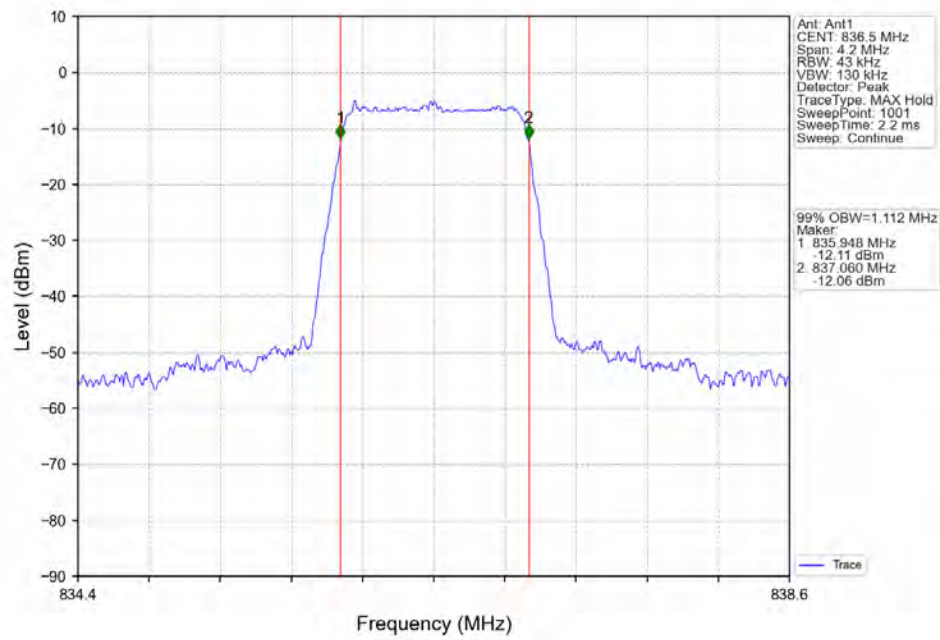
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



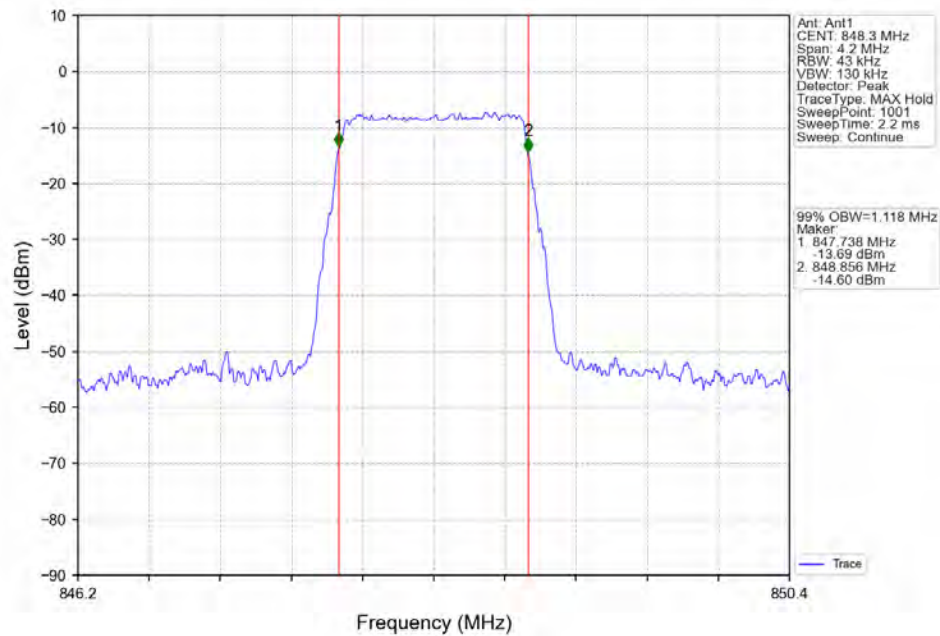
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



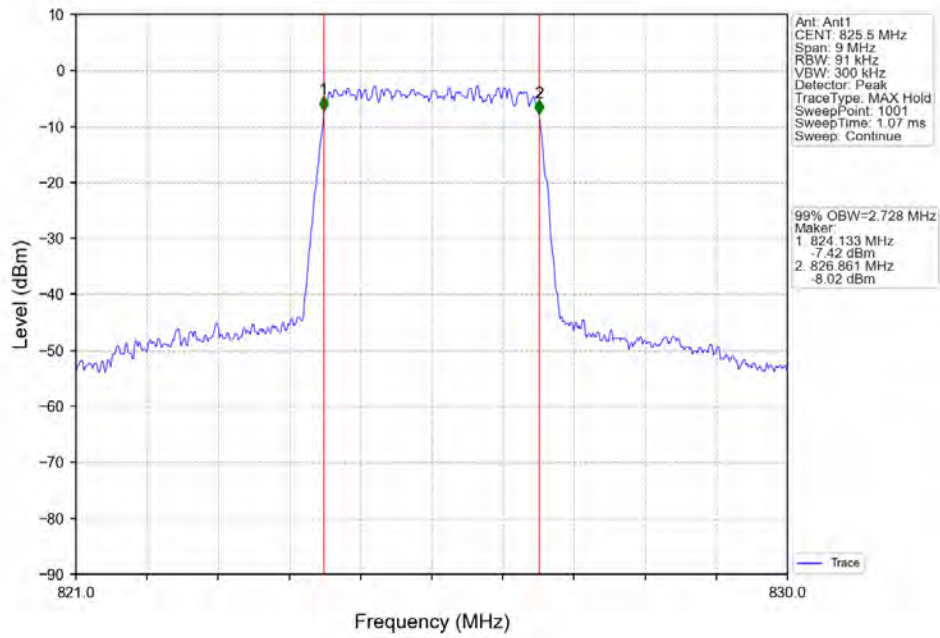
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



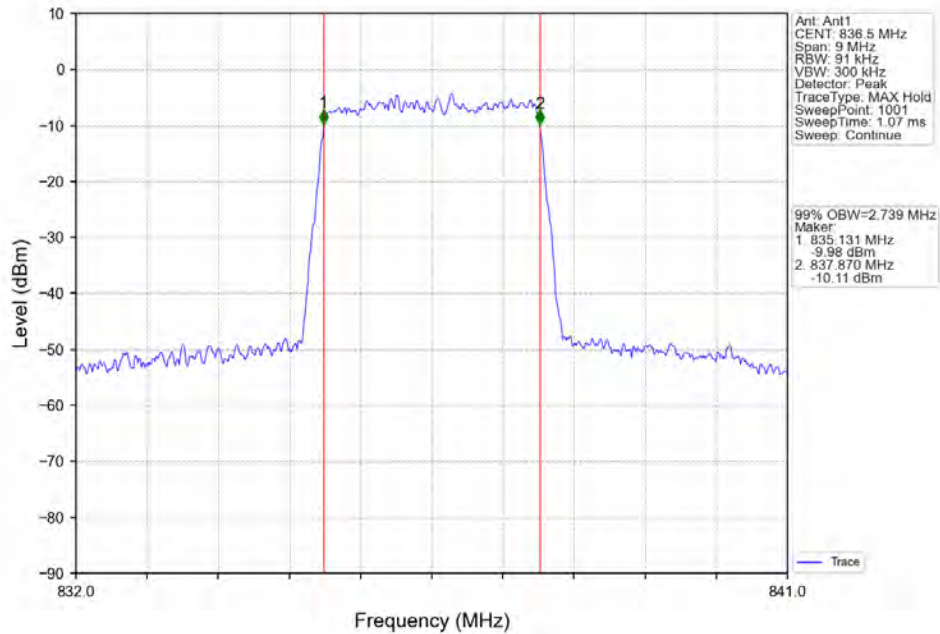
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



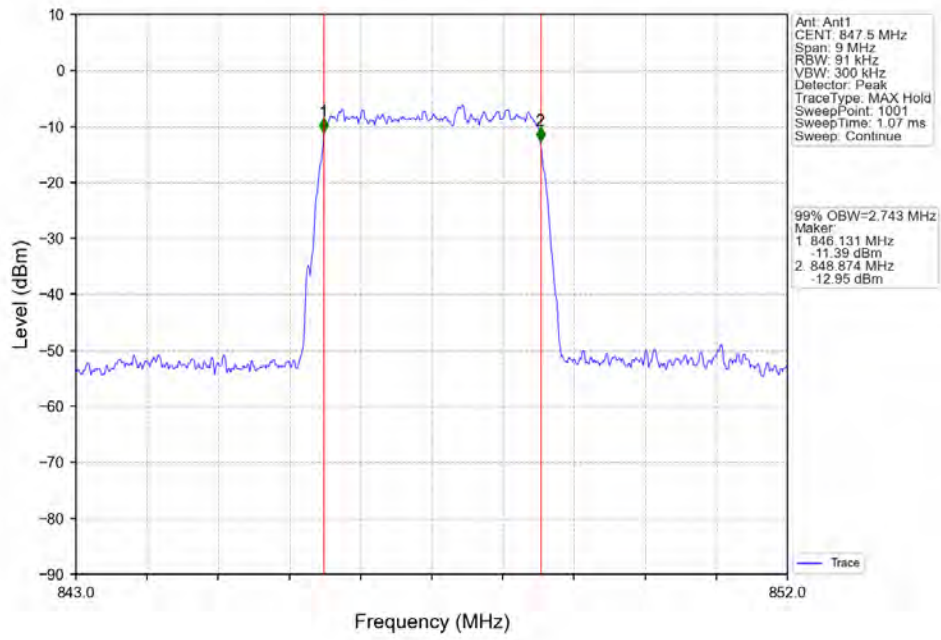
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



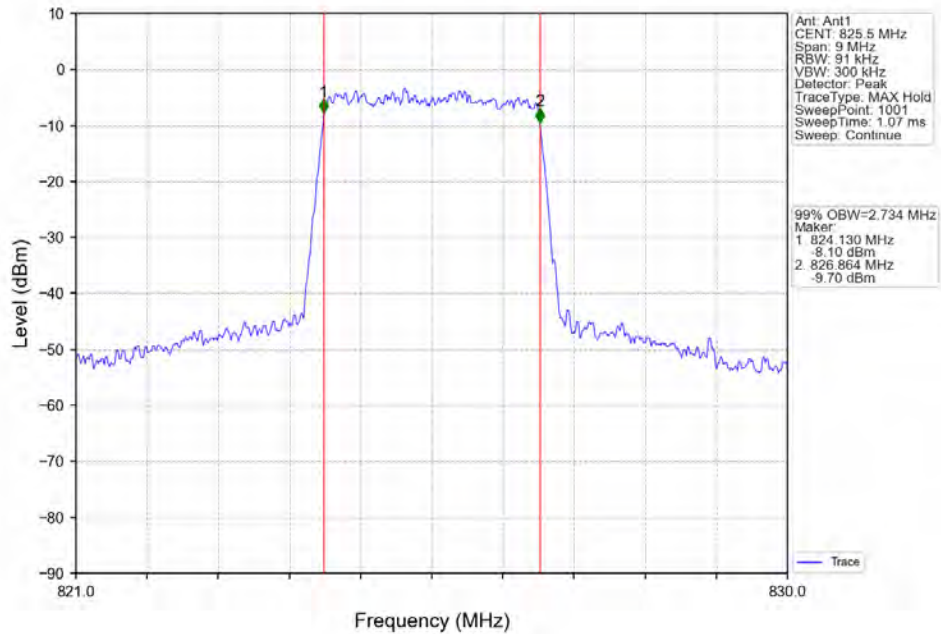
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



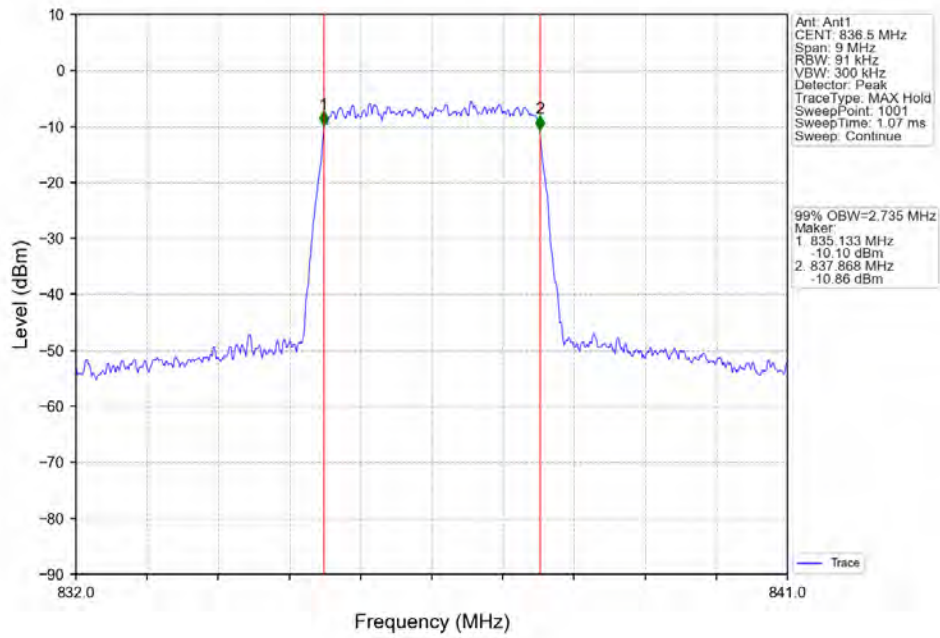
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



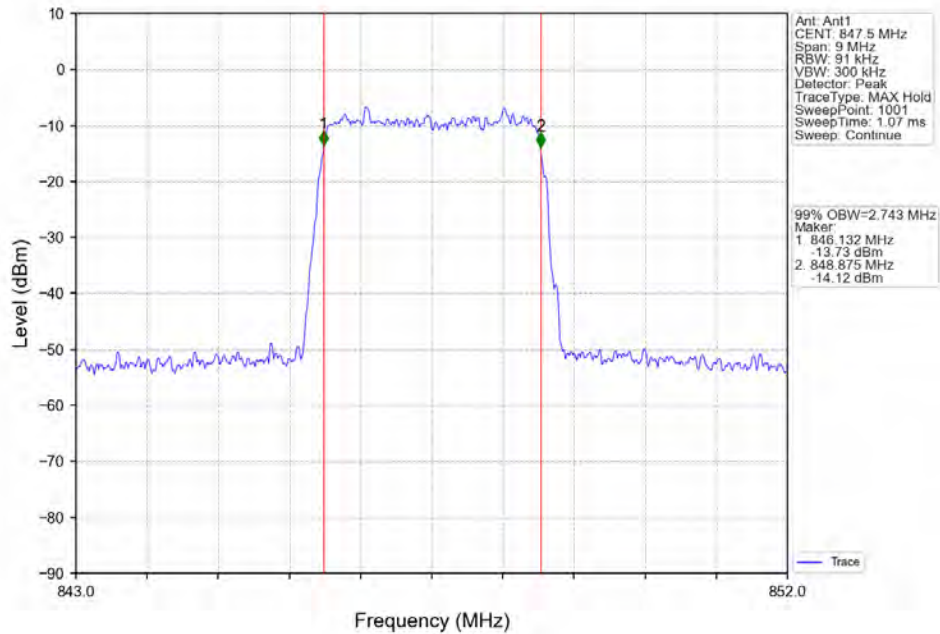
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



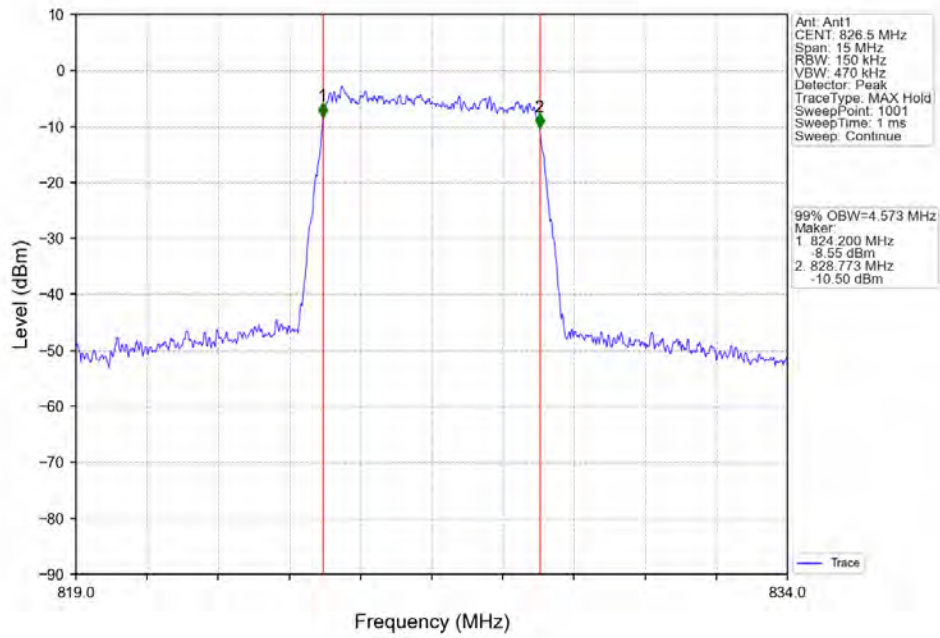
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



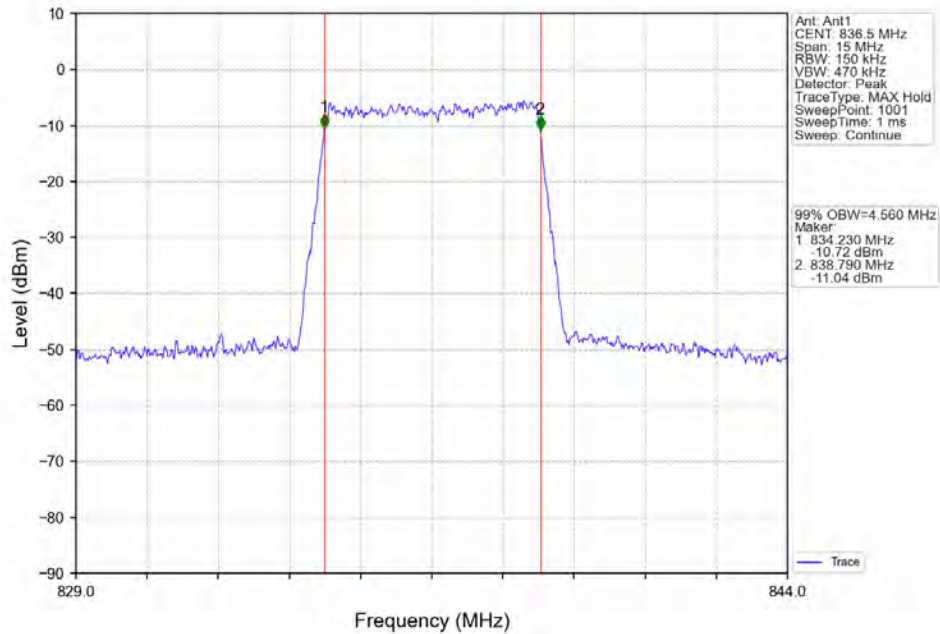
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



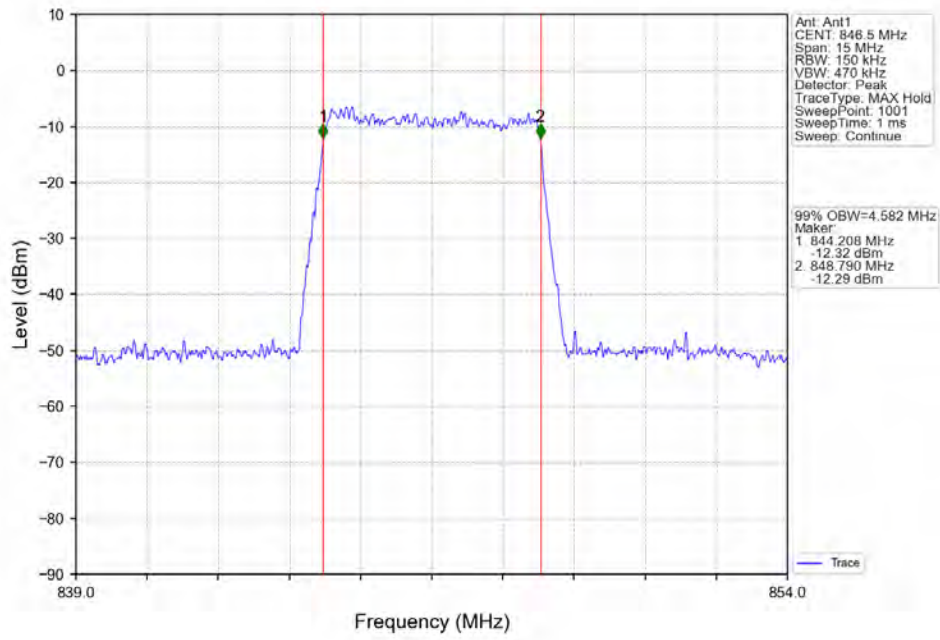
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



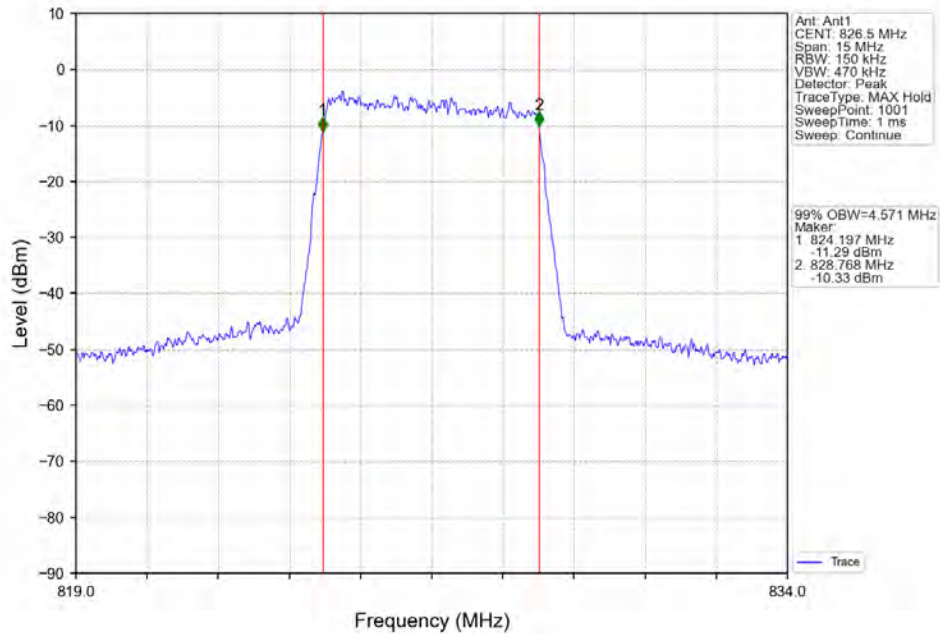
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



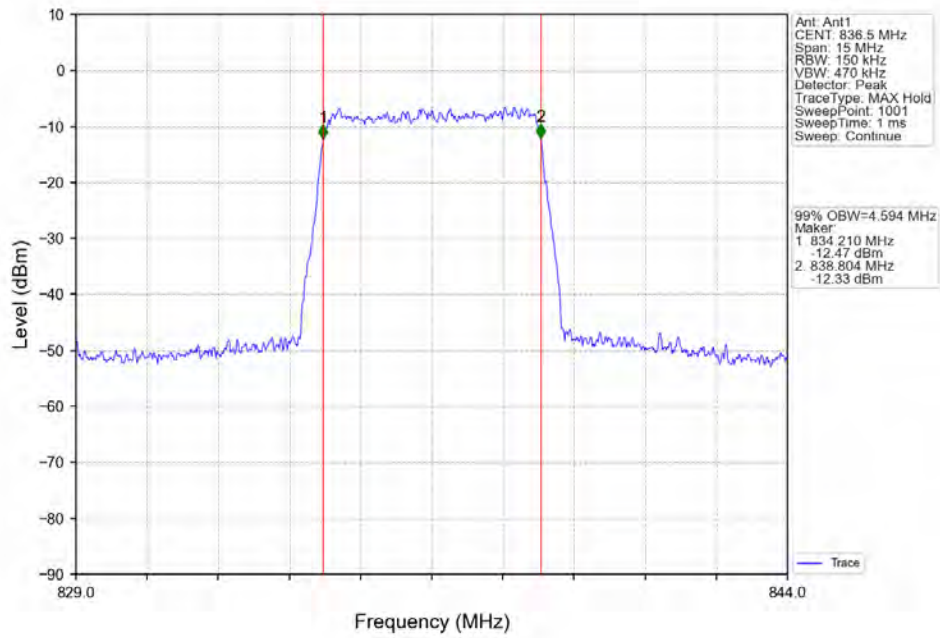
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



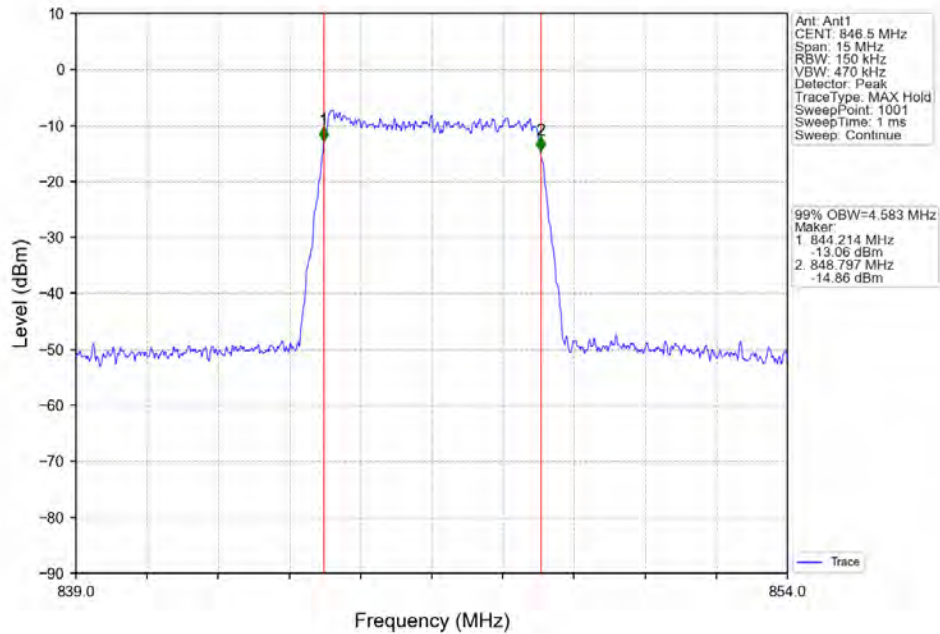
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



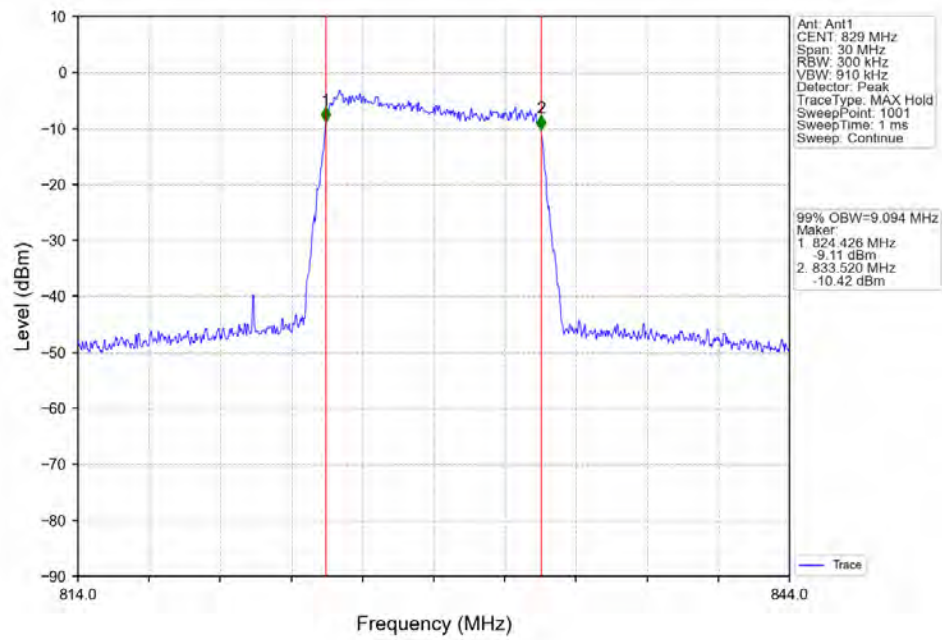
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



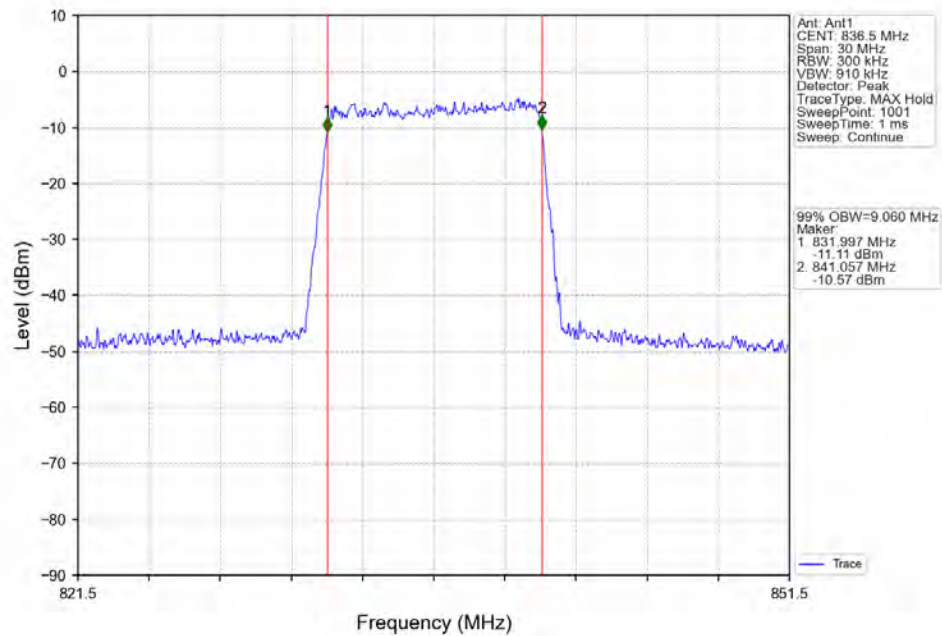
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



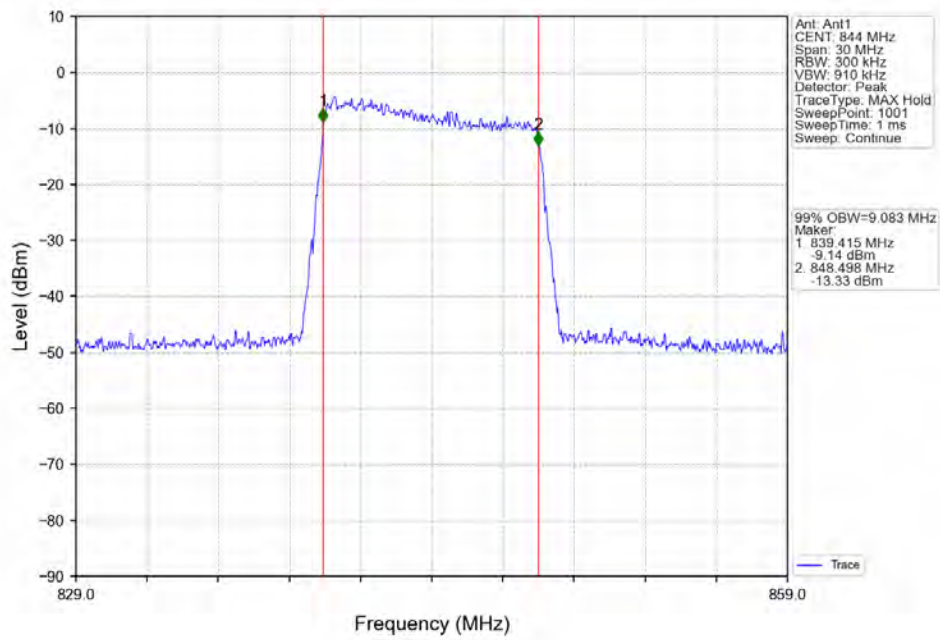
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



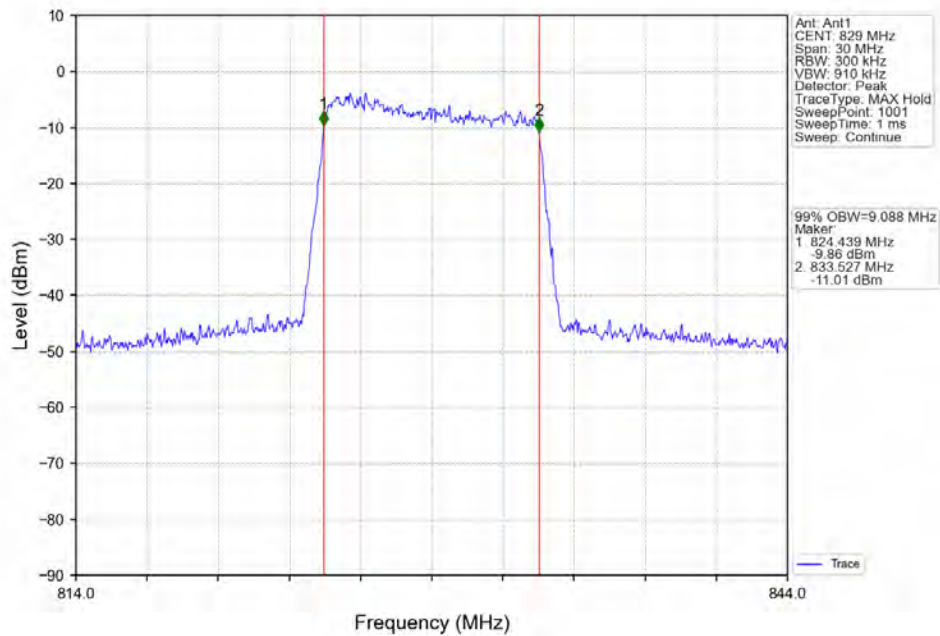
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



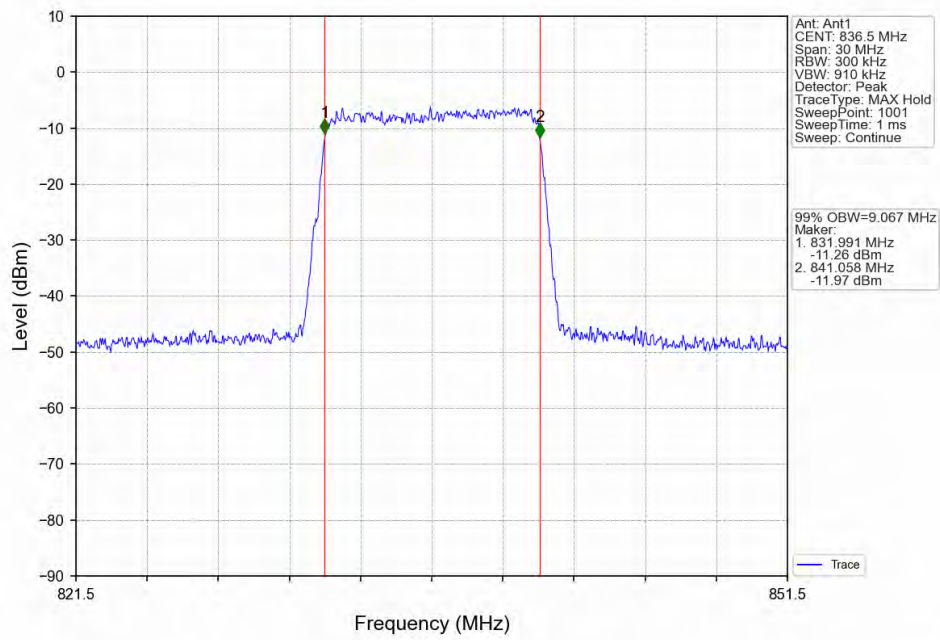
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



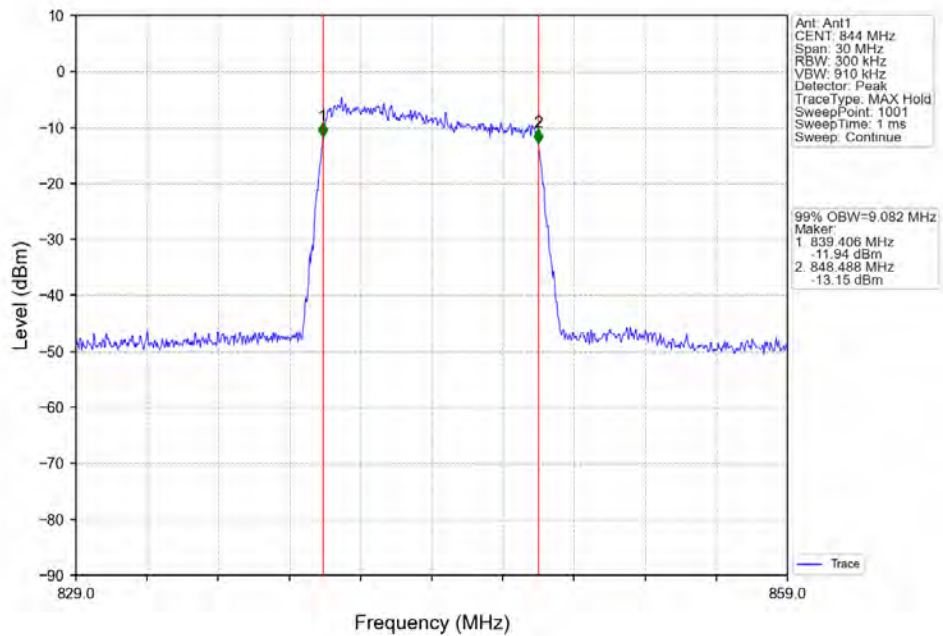
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV

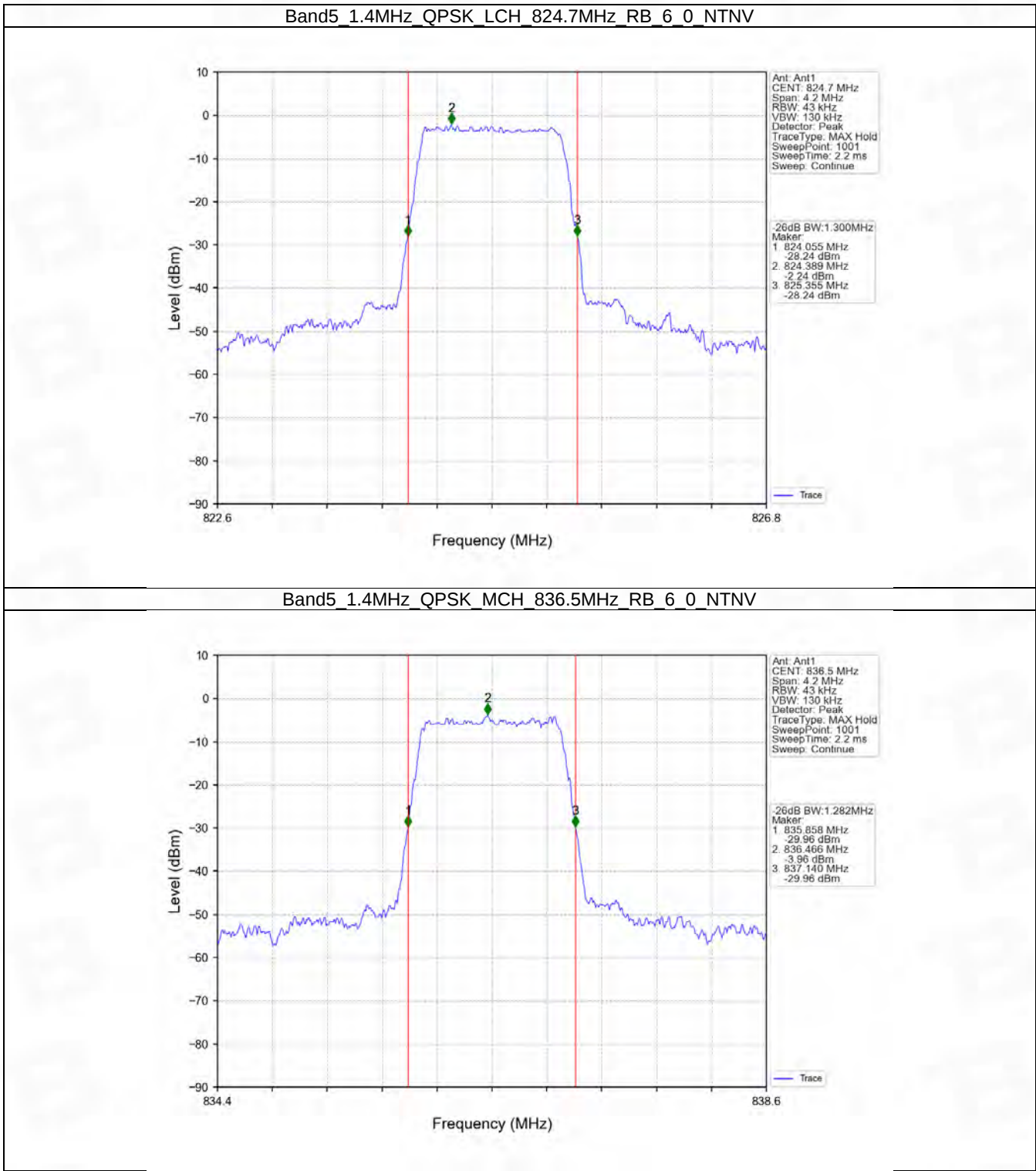


4.2 Band5_XDB

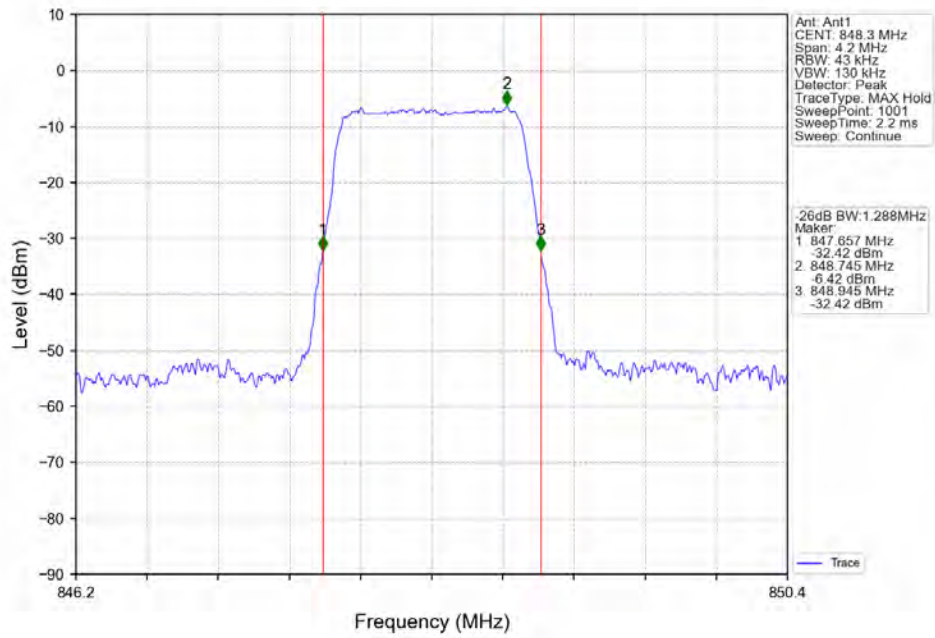
4.2.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.300	/	Pass
		836.5	6	0	1.282	/	Pass
		848.3	6	0	1.288	/	Pass
	16QAM	824.7	6	0	1.288	/	Pass
		836.5	6	0	1.299	/	Pass
		848.3	6	0	1.316	/	Pass
3	QPSK	825.5	15	0	3.026	/	Pass
		836.5	15	0	3.044	/	Pass
		847.5	15	0	3.019	/	Pass
	16QAM	825.5	15	0	3.025	/	Pass
		836.5	15	0	3.033	/	Pass
		847.5	15	0	3.019	/	Pass
5	QPSK	826.5	25	0	5.138	/	Pass
		836.5	25	0	5.109	/	Pass
		846.5	25	0	5.116	/	Pass
	16QAM	826.5	25	0	5.078	/	Pass
		836.5	25	0	5.154	/	Pass
		846.5	25	0	5.139	/	Pass
10	QPSK	829	50	0	10.108	/	Pass
		836.5	50	0	10.050	/	Pass
		844	50	0	10.058	/	Pass
	16QAM	829	50	0	10.058	/	Pass
		836.5	50	0	10.113	/	Pass
		844	50	0	9.924	/	Pass

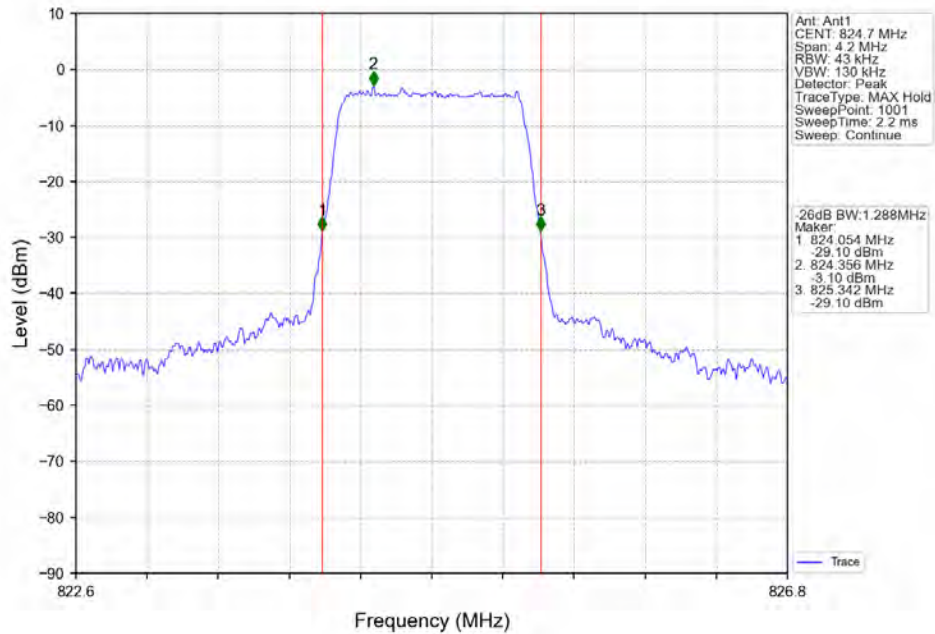
4.2.2 Test Graph



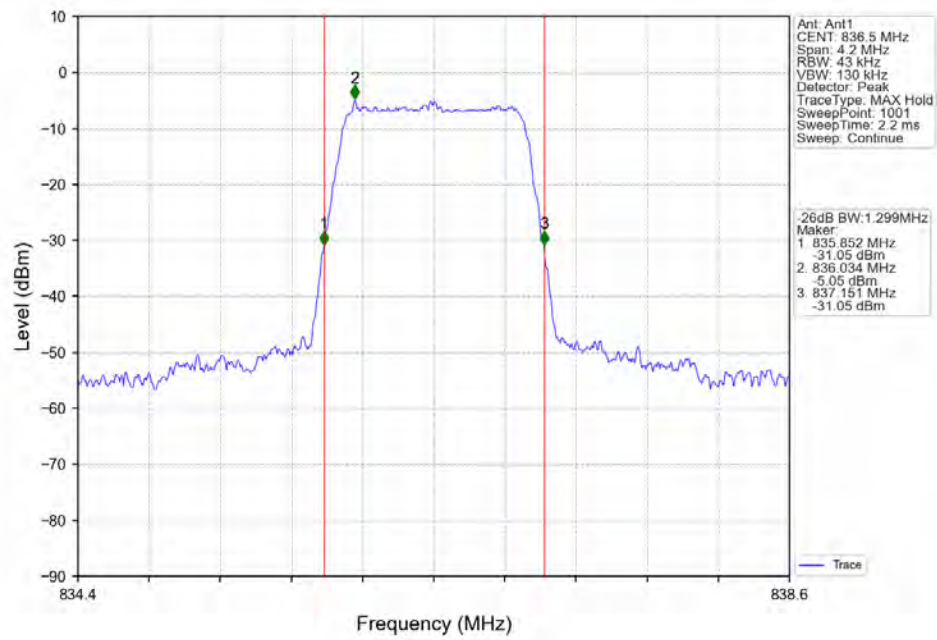
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



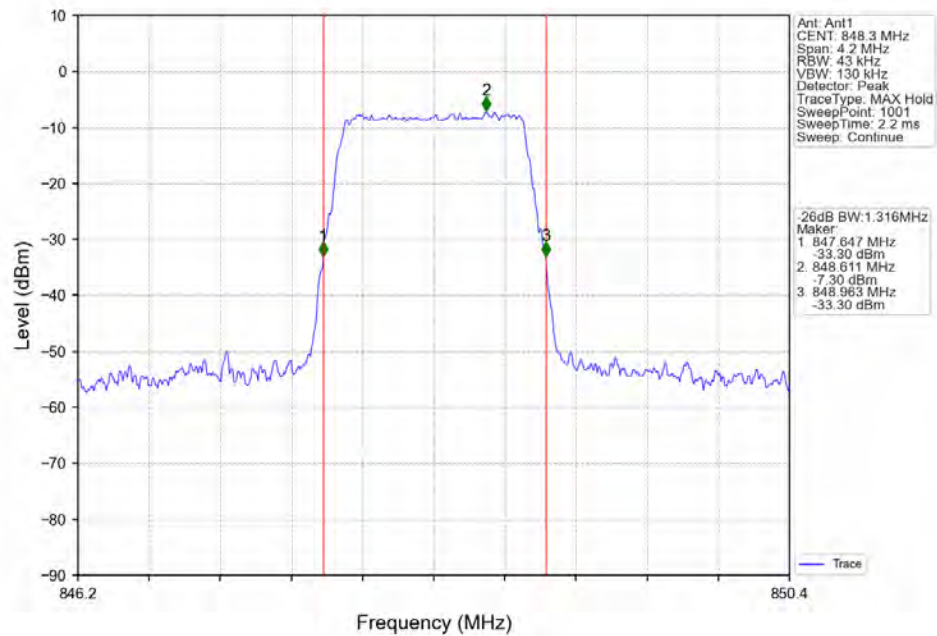
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



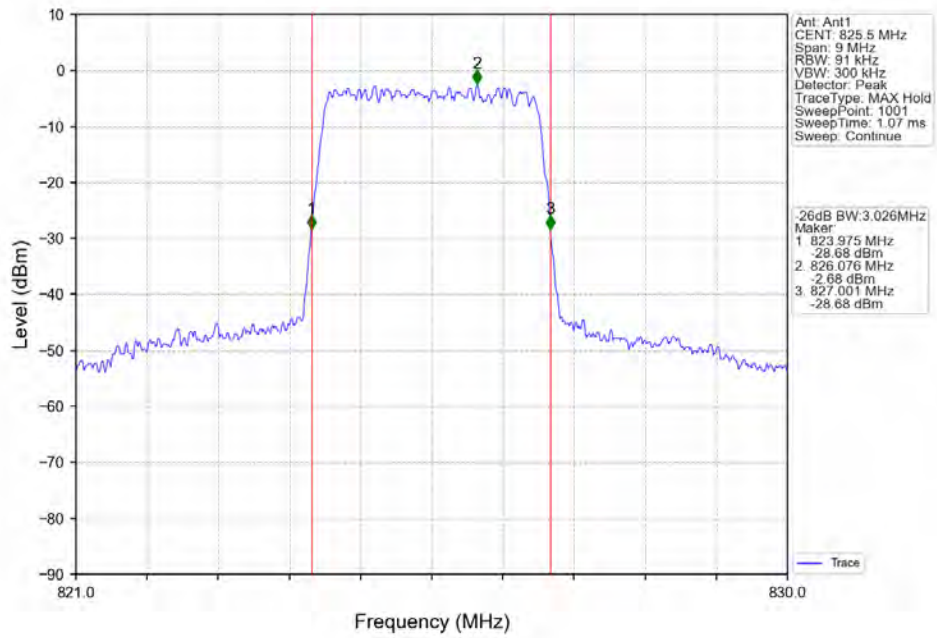
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



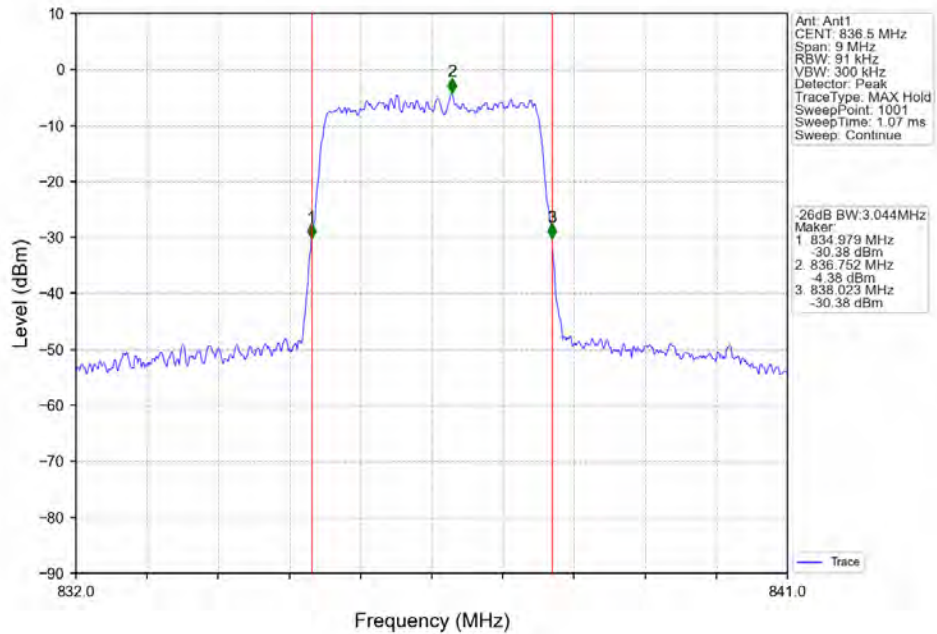
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



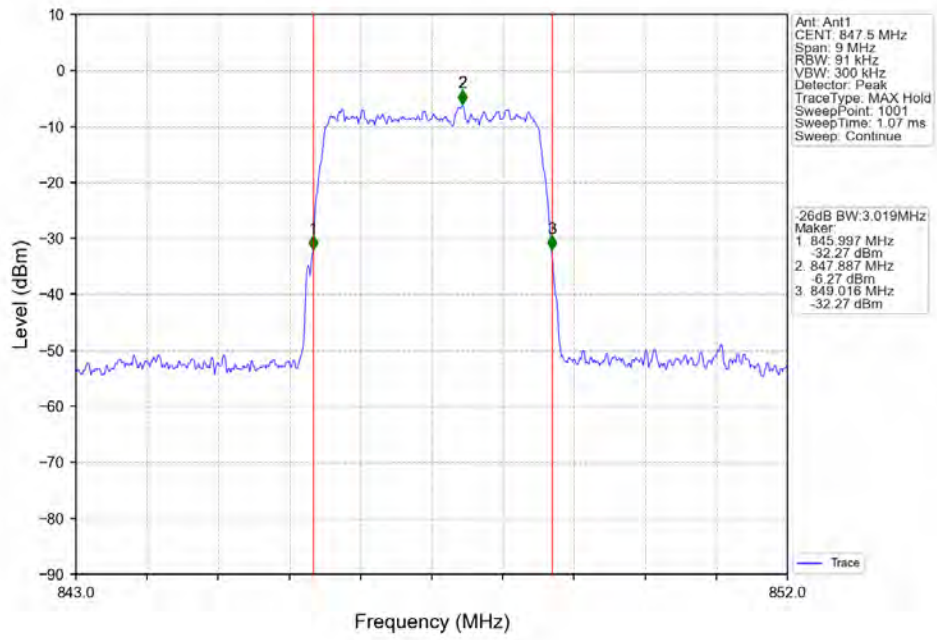
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



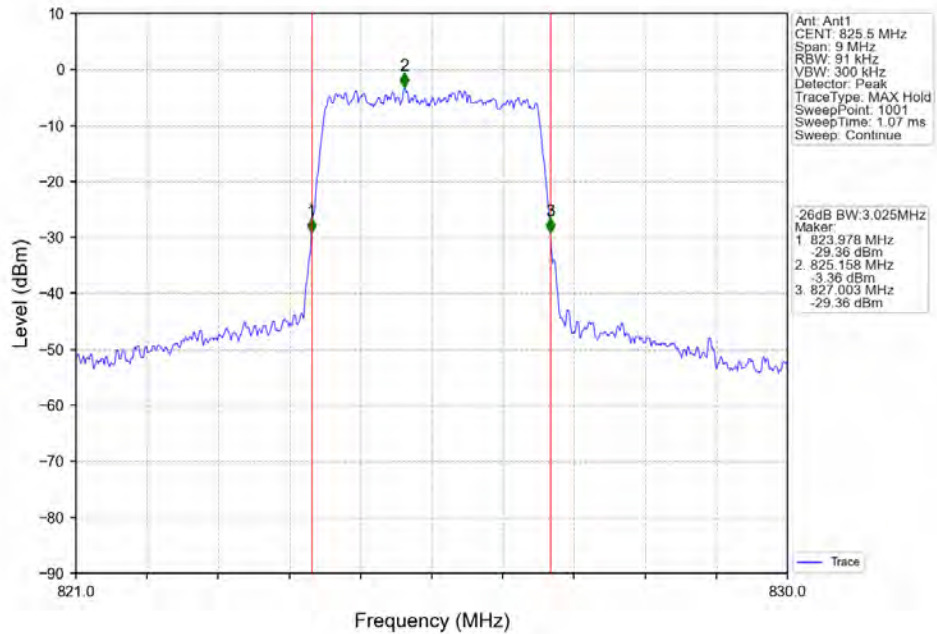
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



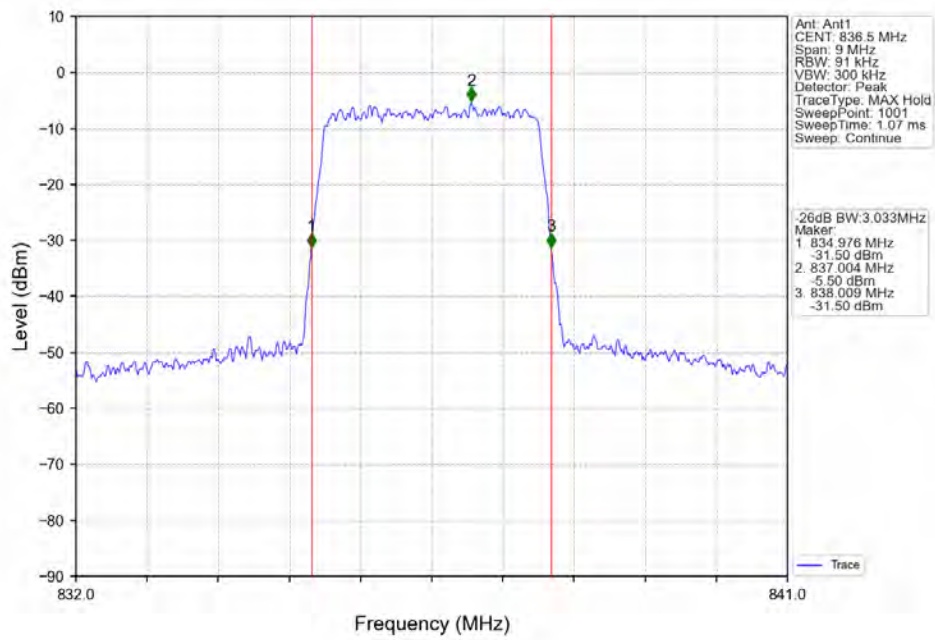
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



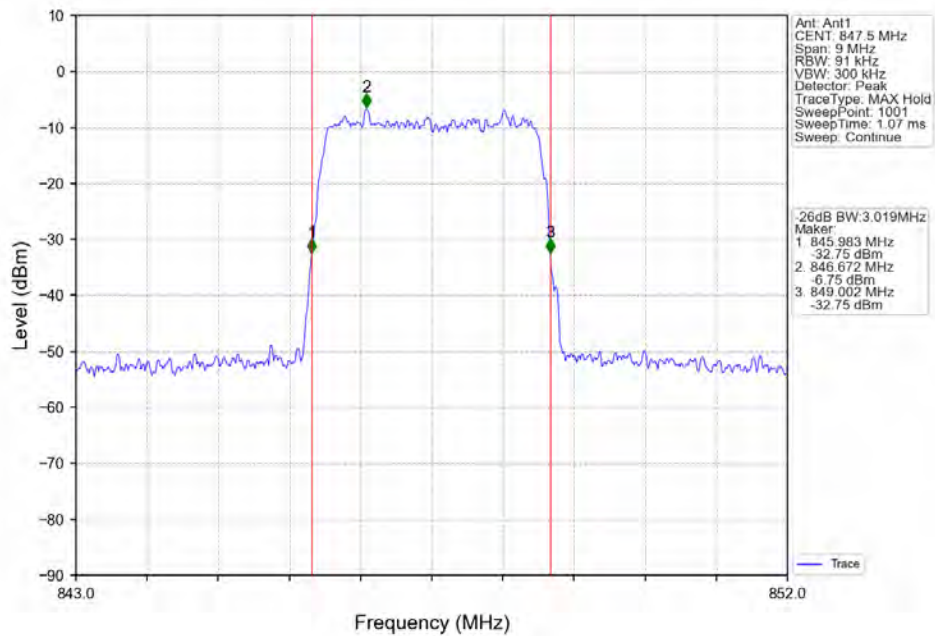
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



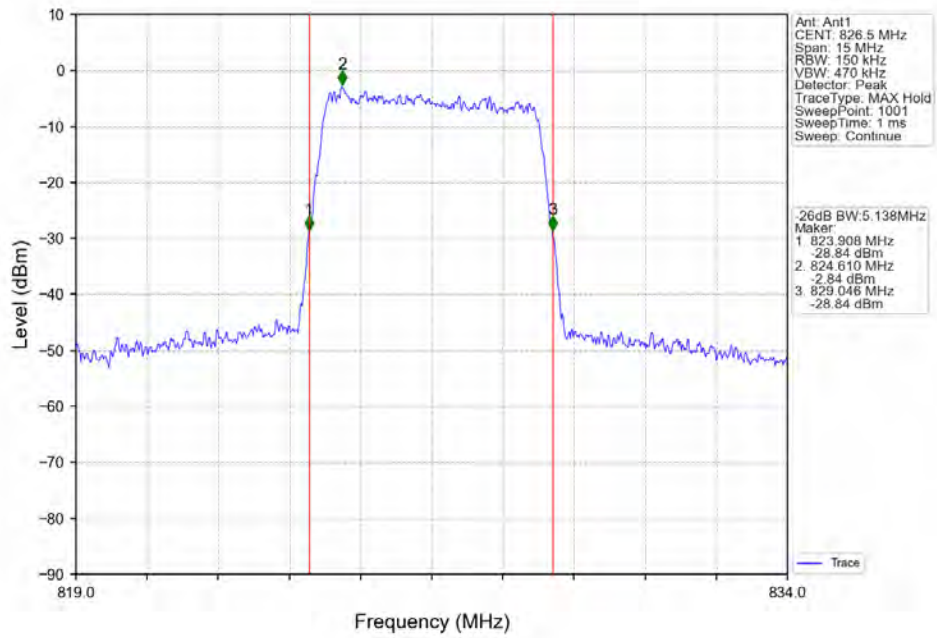
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



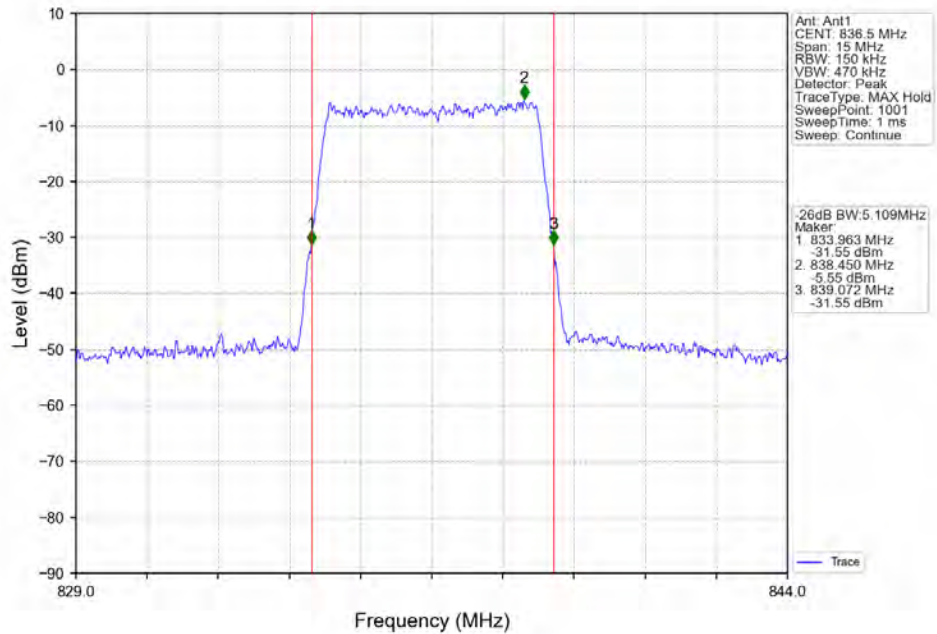
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



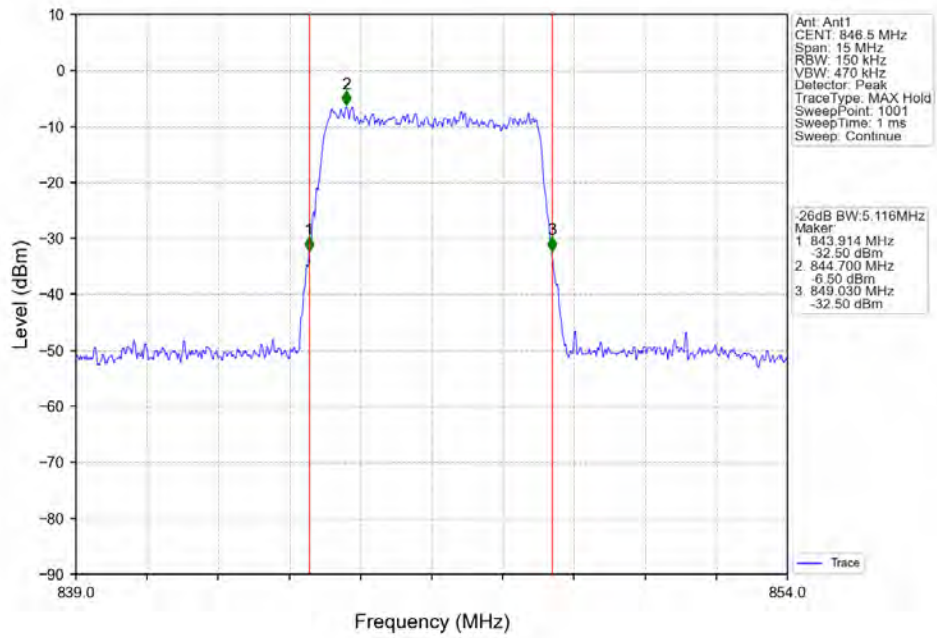
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



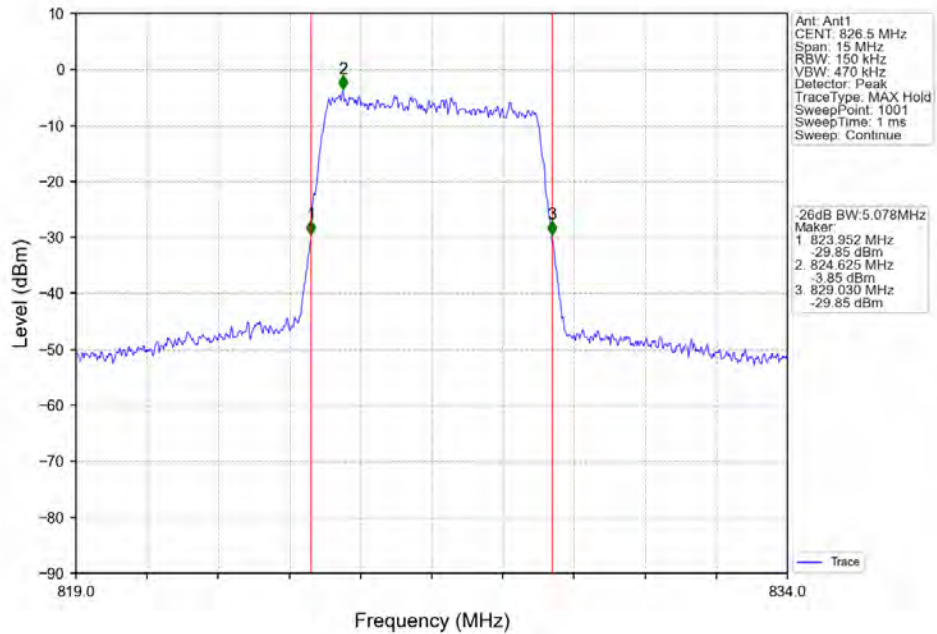
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



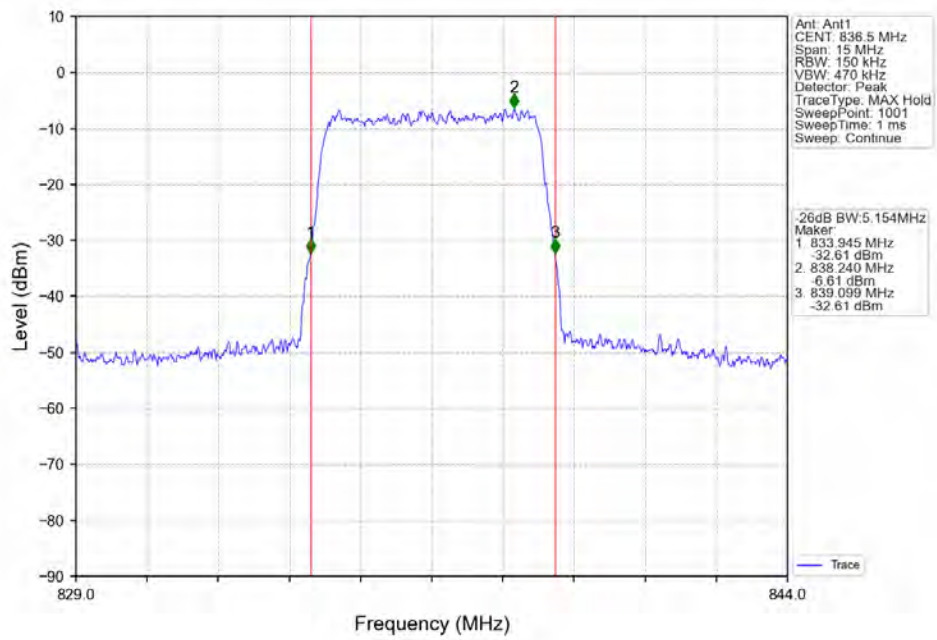
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



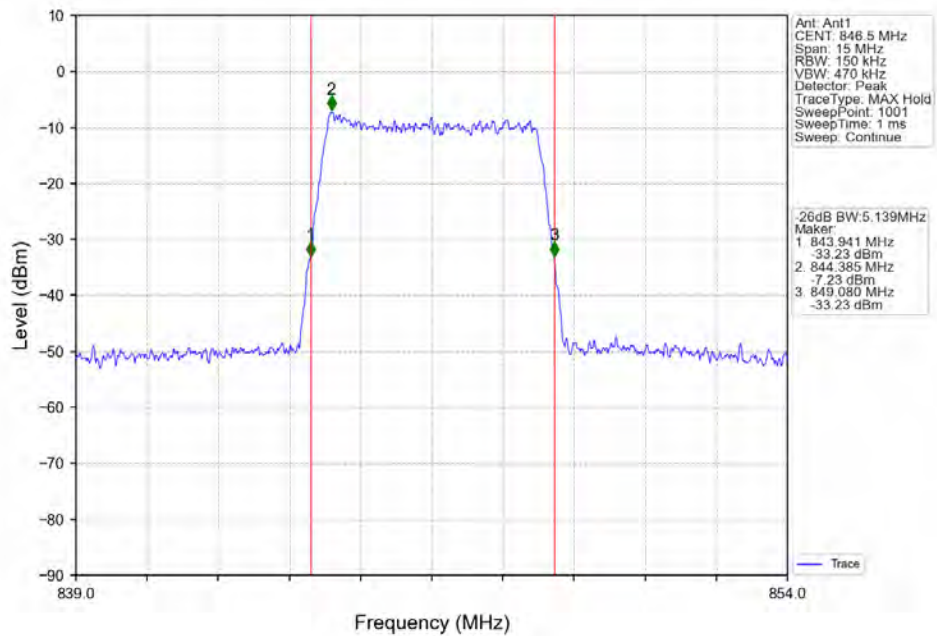
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



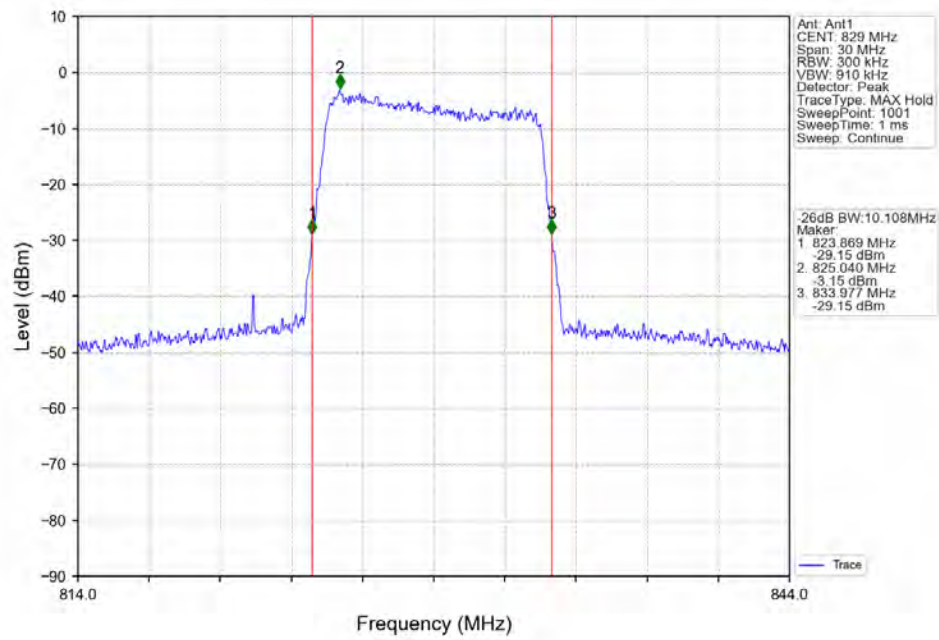
Band5 5MHz 16QAM MCH 836.5MHz RB 25.0 NTNV



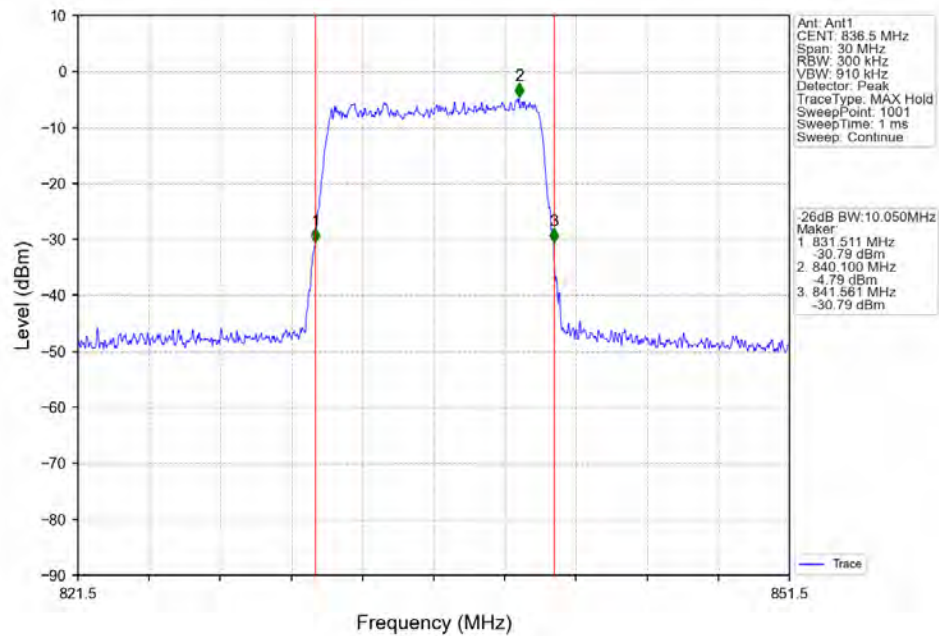
Band5 5MHz 16QAM HCH 846.5MHz RB 25.0 NTNV



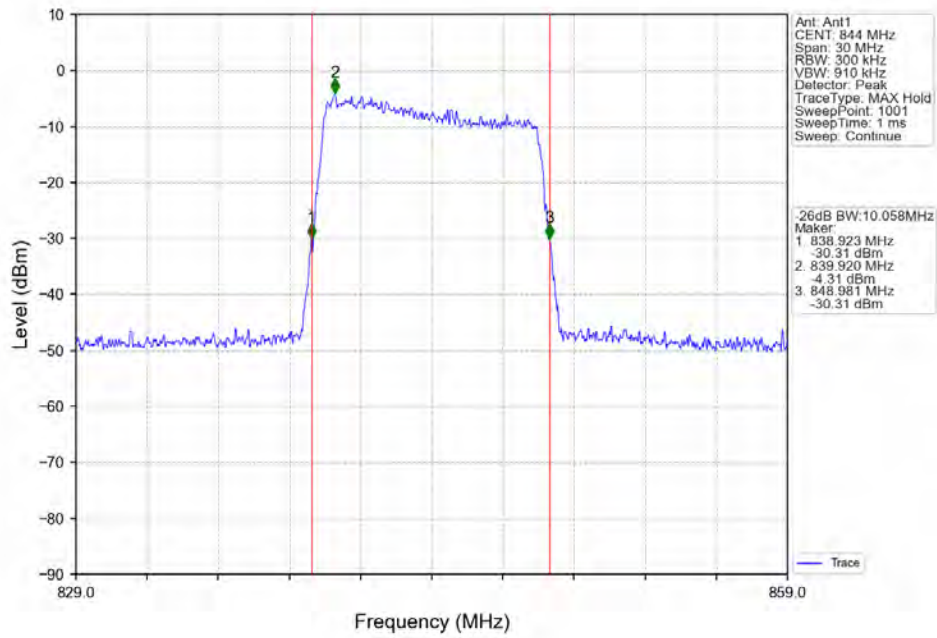
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



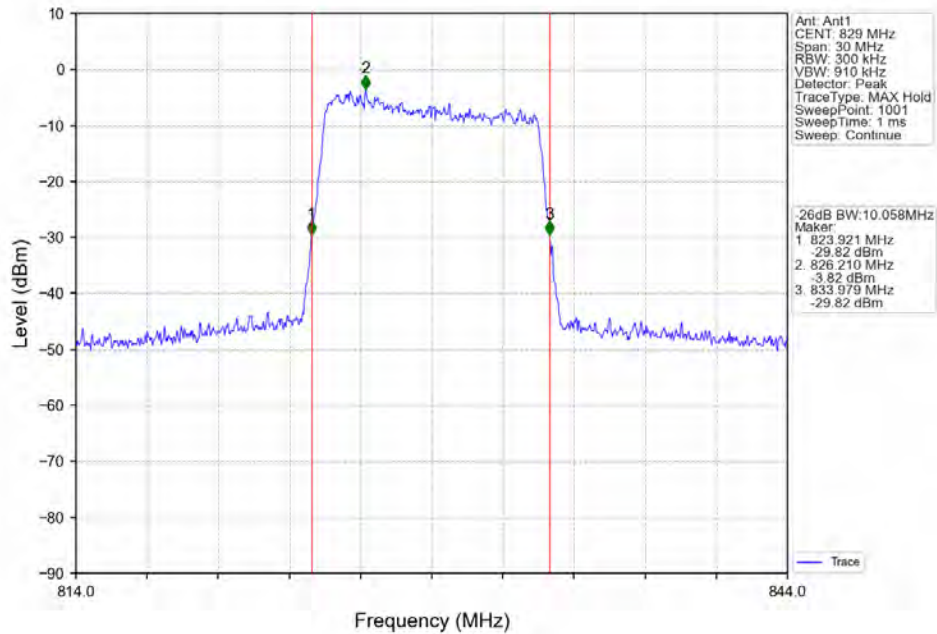
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



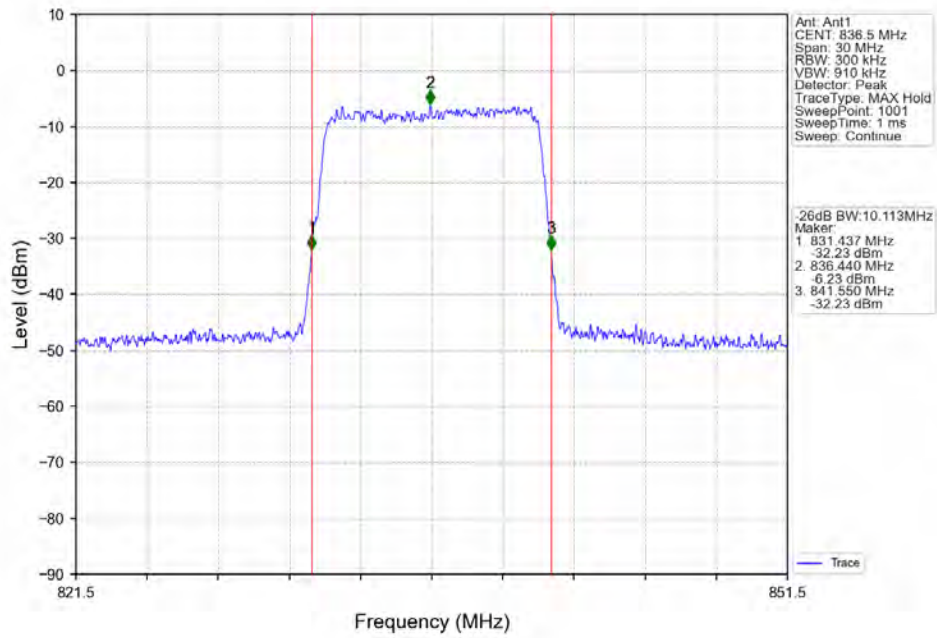
Band5_10MHz QPSK HCH 844MHz RB 50 0 NTN



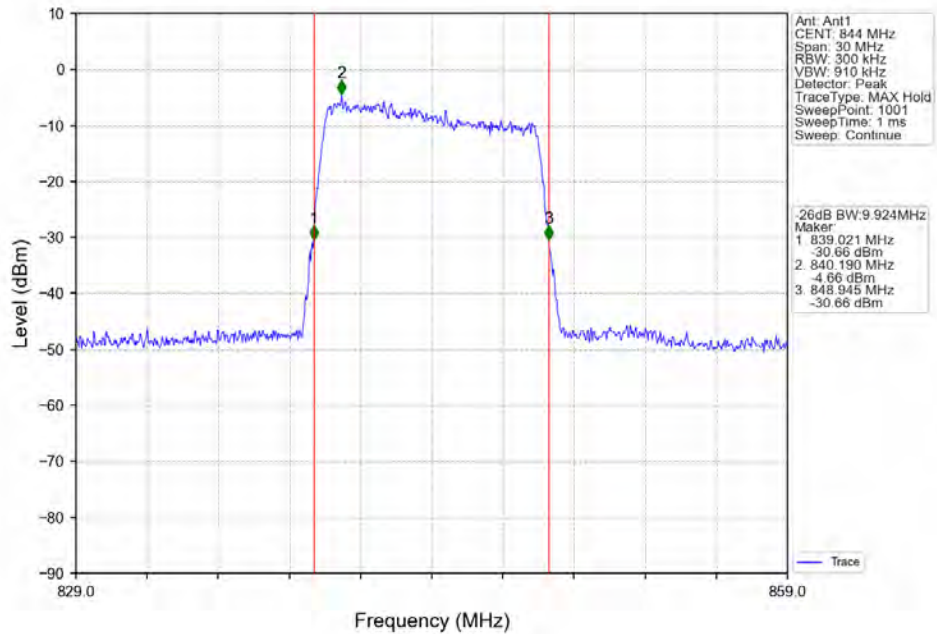
Band5_10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



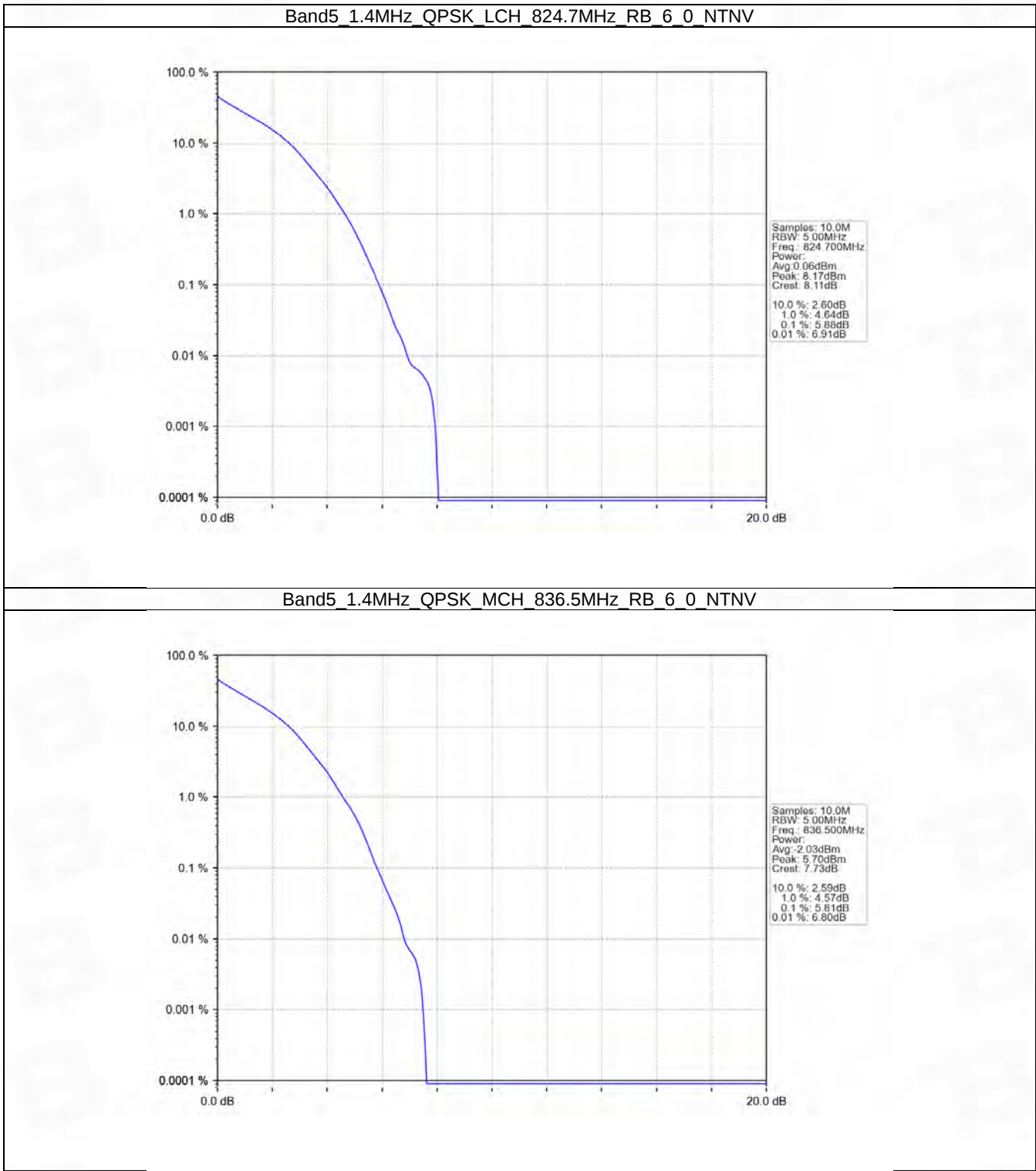
5. Peak-Average Ratio

5.1 B5_1.4MHz

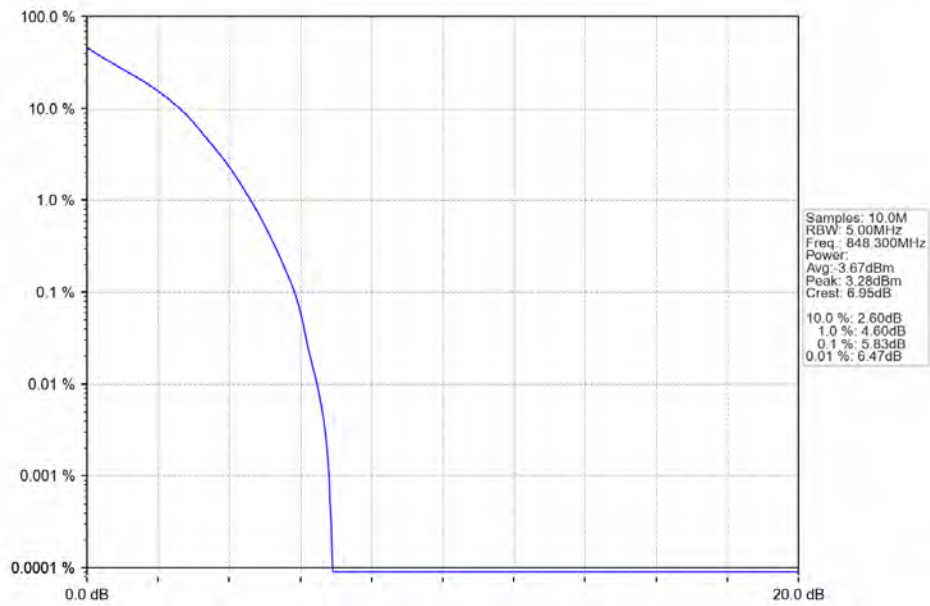
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.88	<=13	Pass
	836.5	6	0	5.81	<=13	Pass
	848.3	6	0	5.83	<=13	Pass
16QAM	824.7	6	0	6.56	<=13	Pass
	836.5	6	0	6.62	<=13	Pass
	848.3	6	0	6.47	<=13	Pass

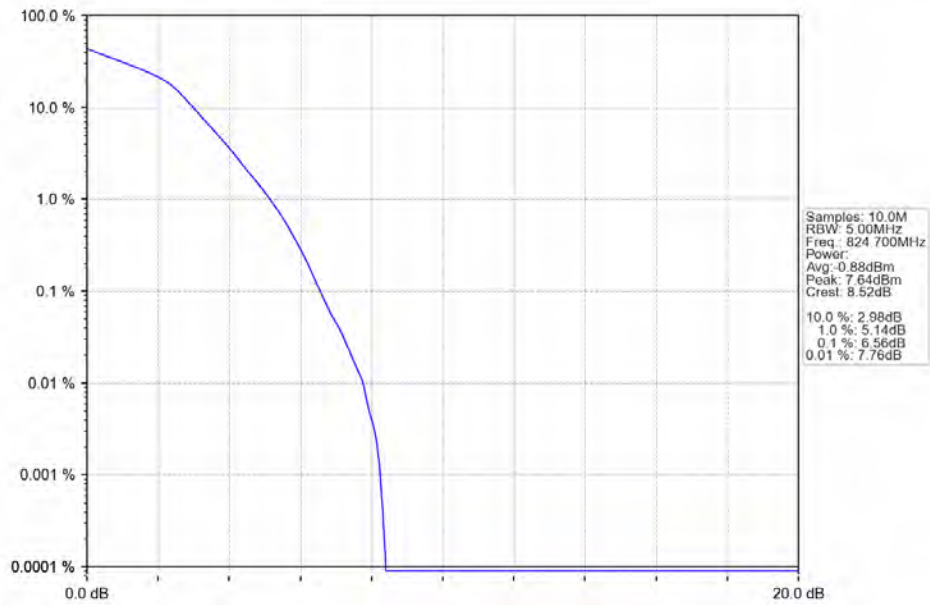
5.1.2 Test Graph



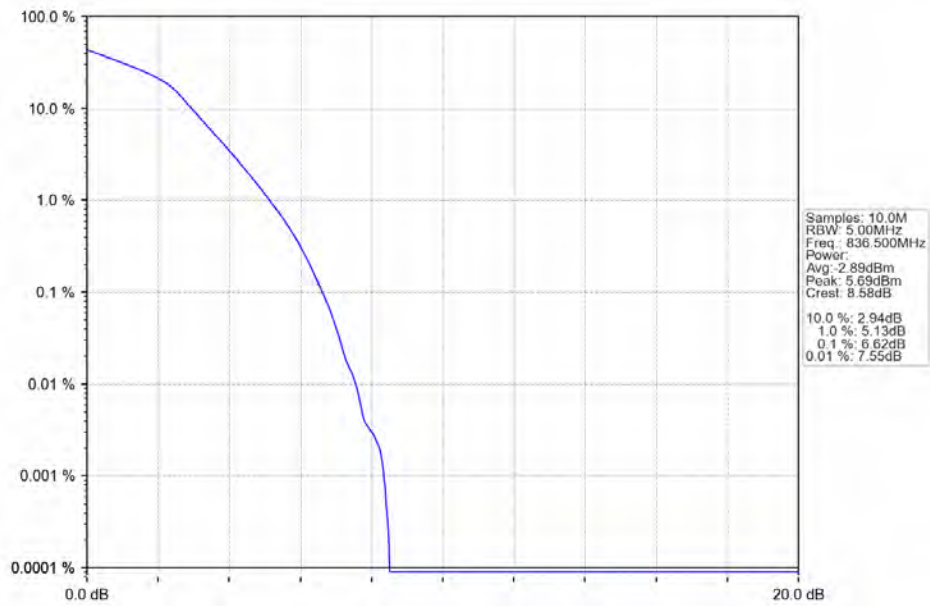
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



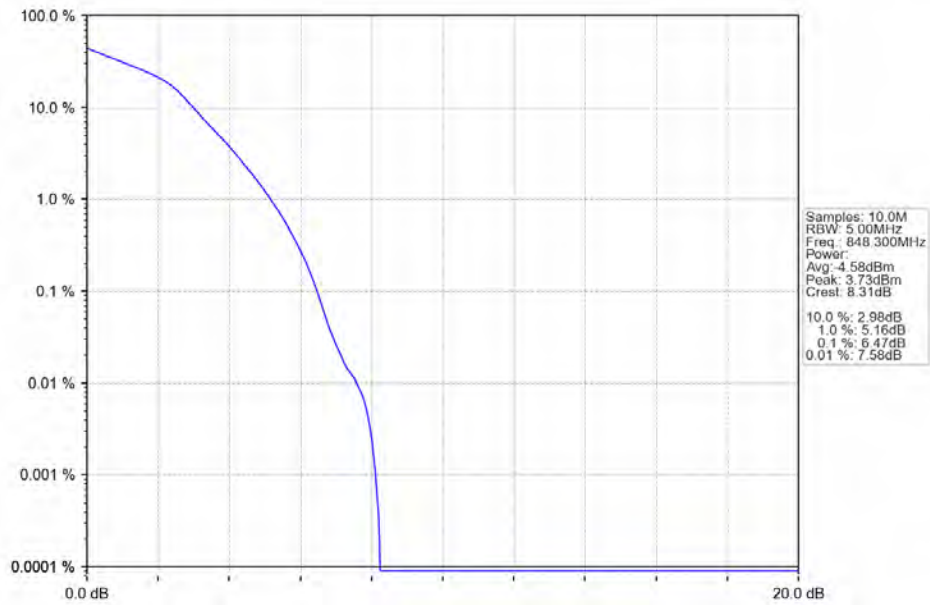
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6.0 NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

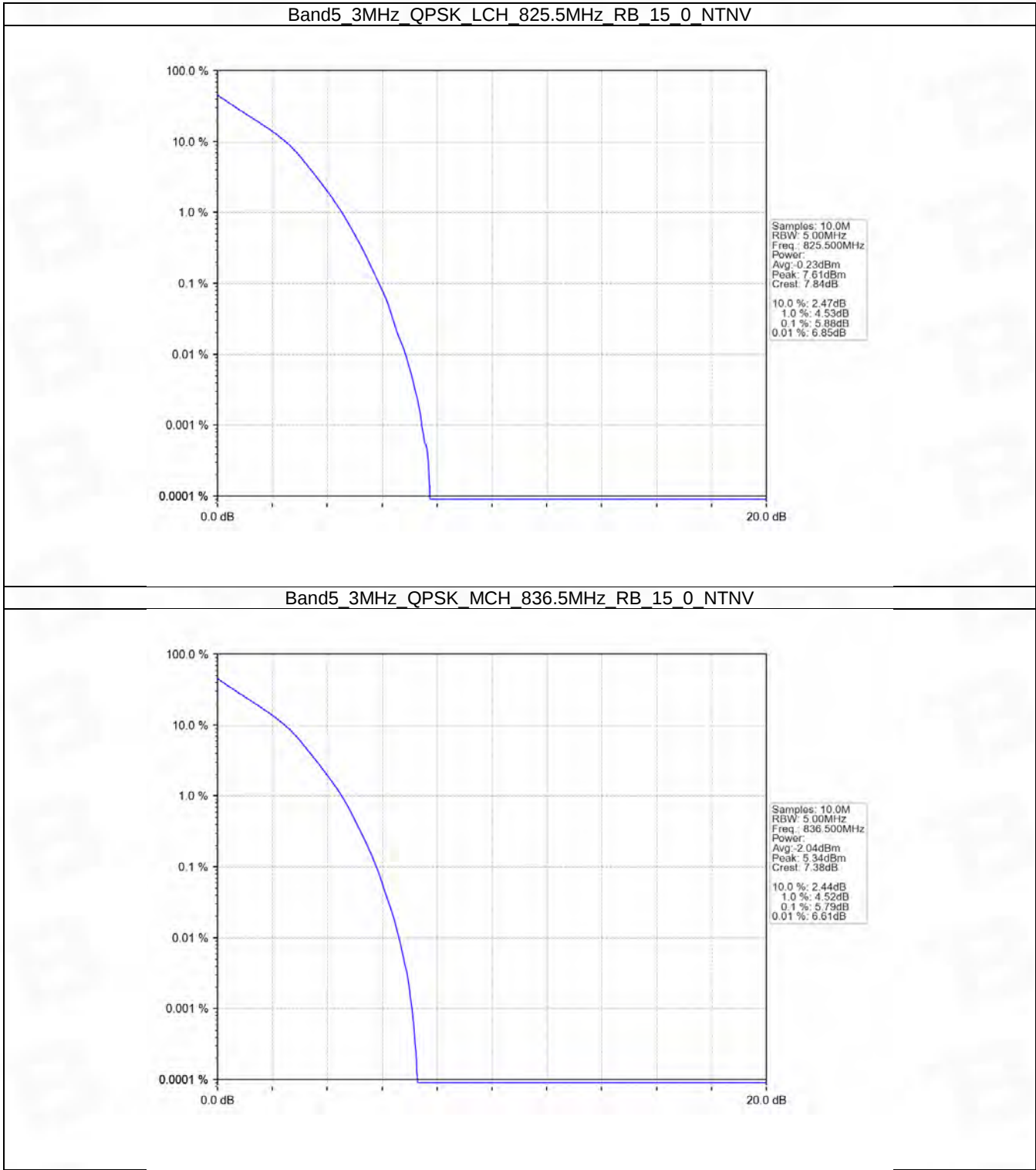


5.2 B5_3MHz

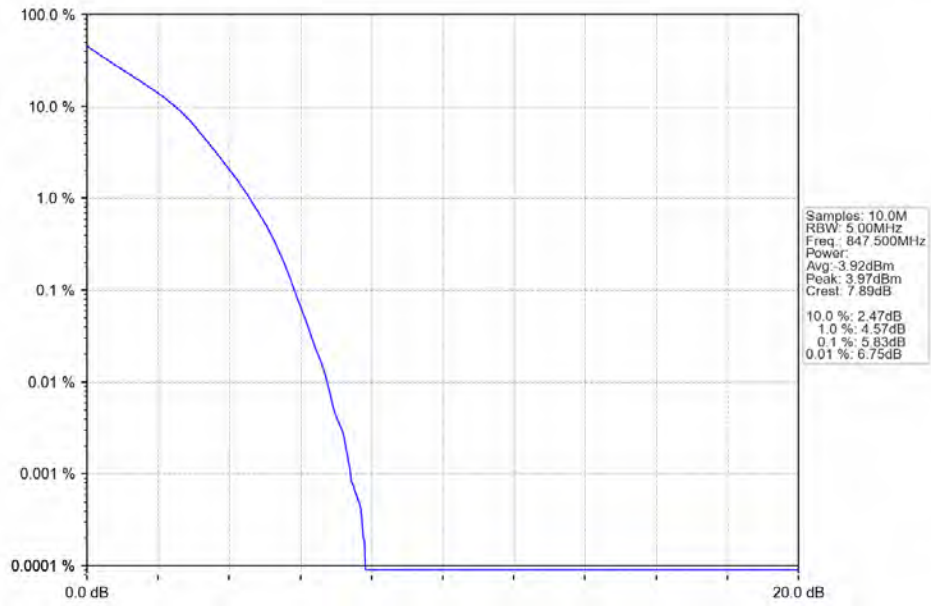
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.88	<=13	Pass
	836.5	15	0	5.79	<=13	Pass
	847.5	15	0	5.83	<=13	Pass
16QAM	825.5	15	0	6.62	<=13	Pass
	836.5	15	0	6.61	<=13	Pass
	847.5	15	0	6.58	<=13	Pass

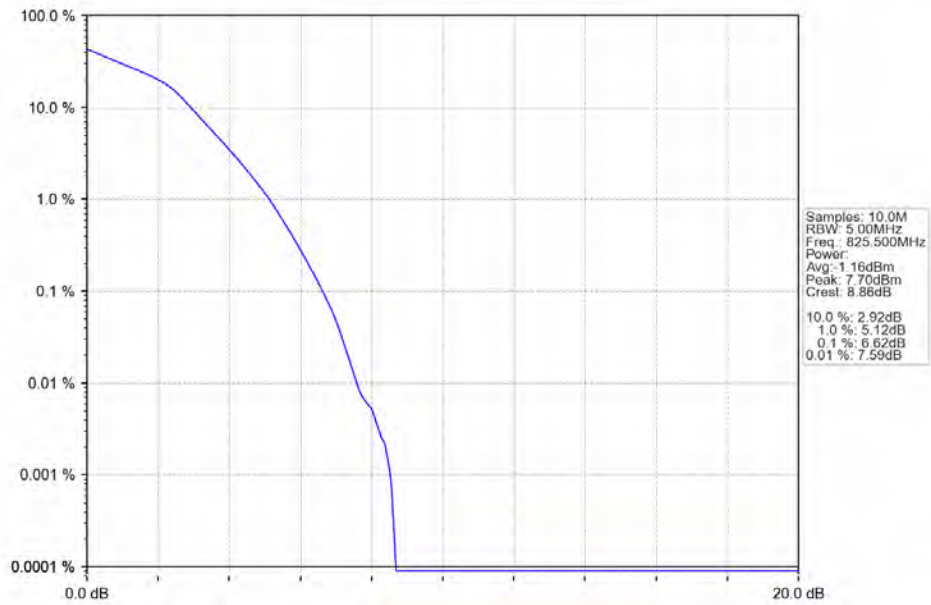
5.2.2 Test Graph



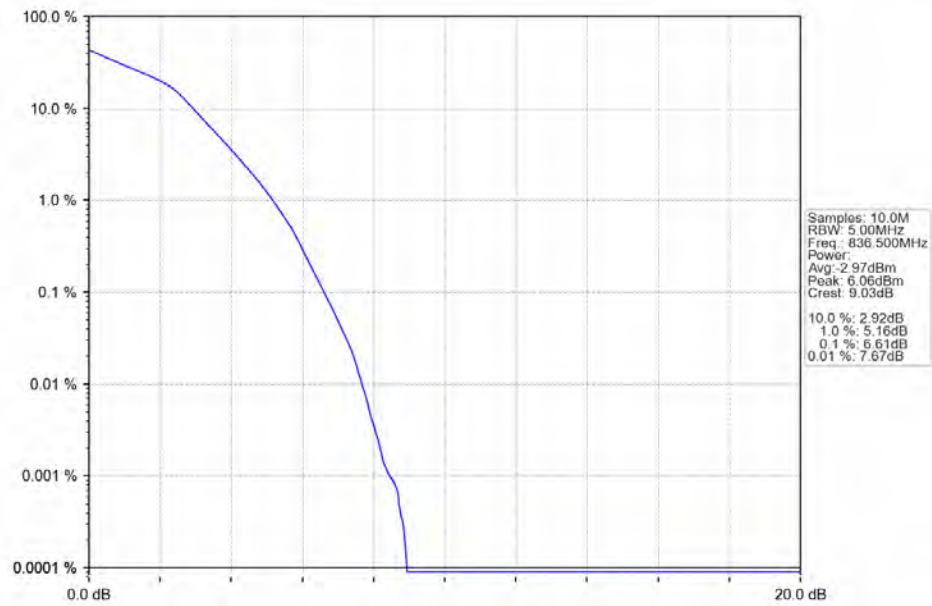
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



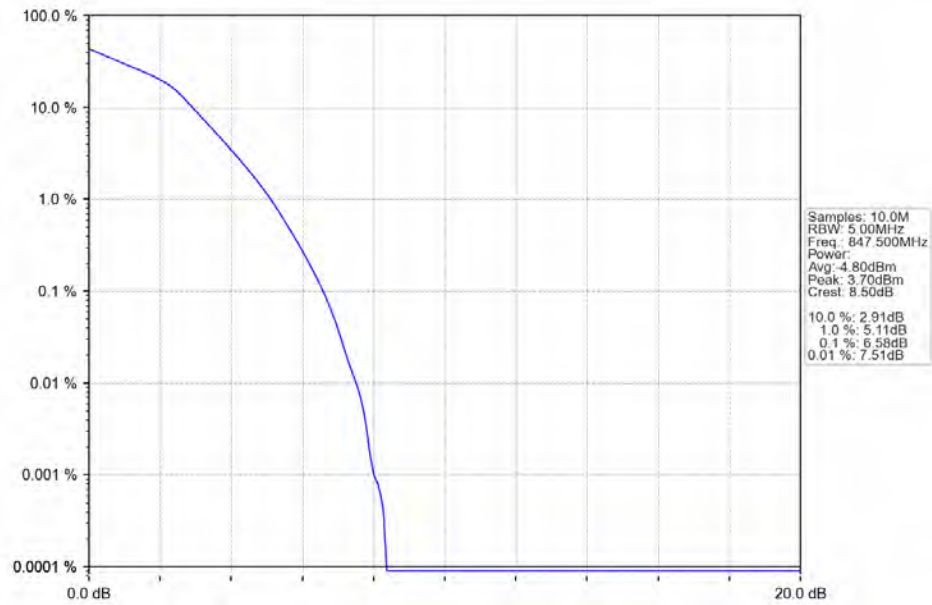
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV

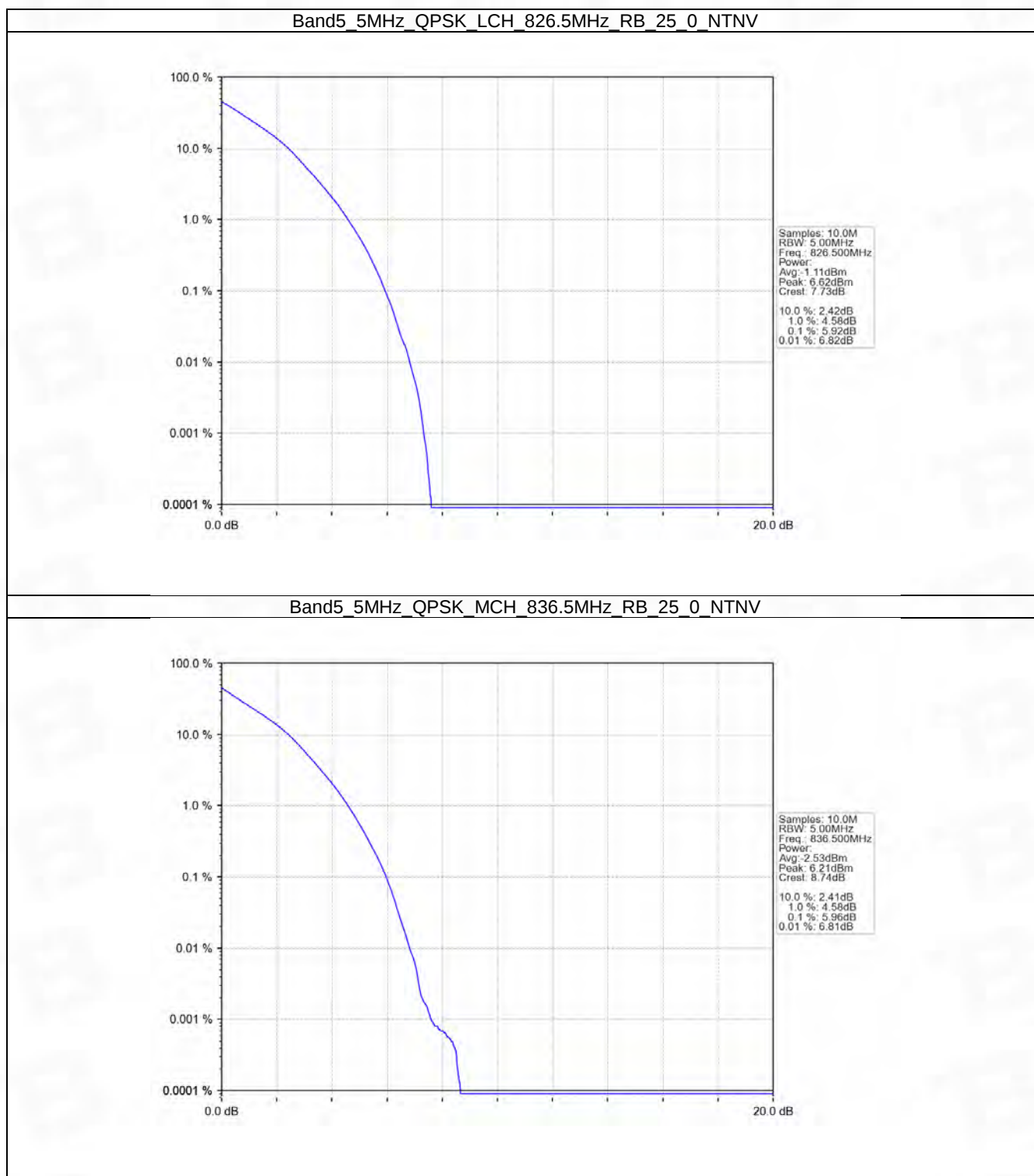


5.3 B5_5MHz

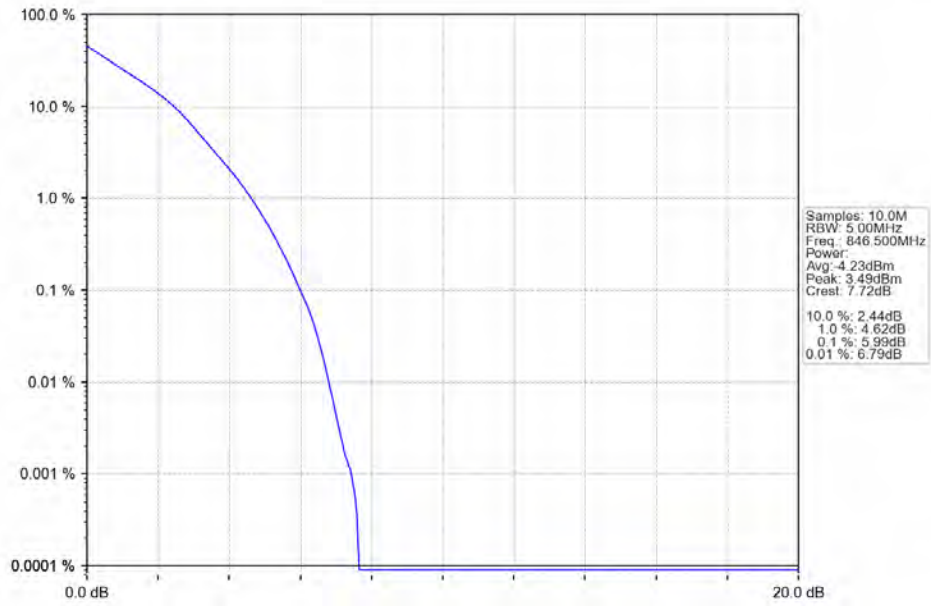
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.92	<=13	Pass
	836.5	25	0	5.96	<=13	Pass
	846.5	25	0	5.99	<=13	Pass
16QAM	826.5	25	0	6.55	<=13	Pass
	836.5	25	0	6.61	<=13	Pass
	846.5	25	0	6.61	<=13	Pass

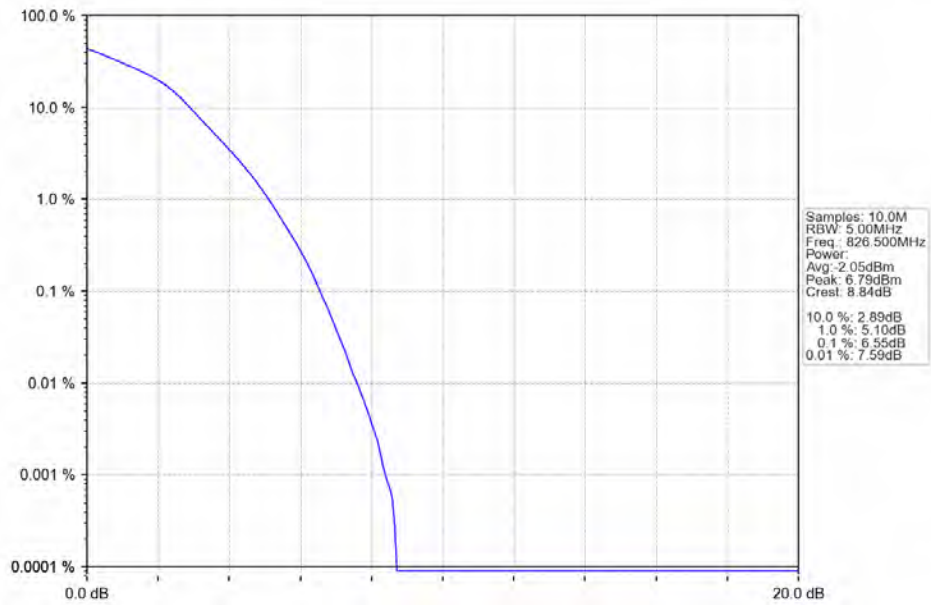
5.3.2 Test Graph



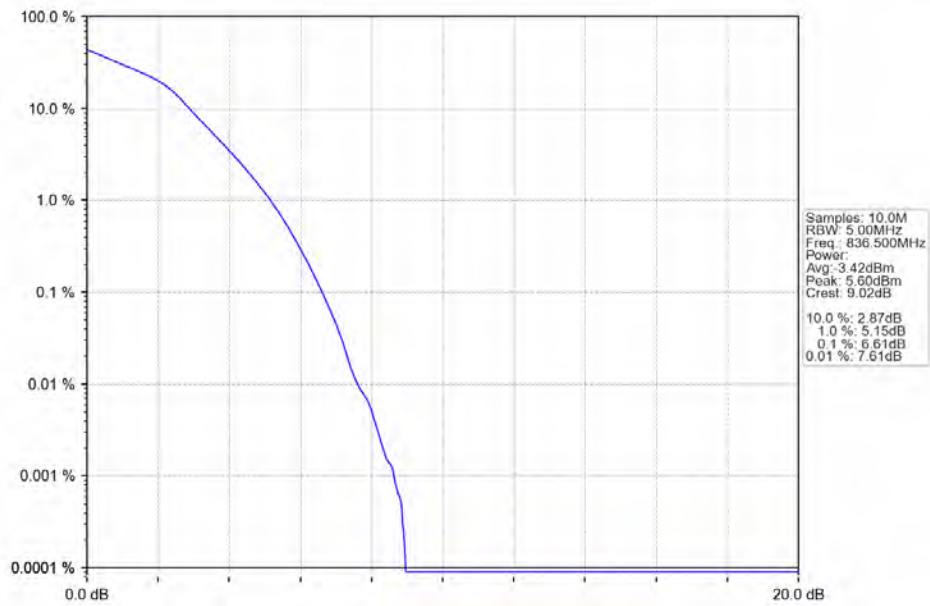
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



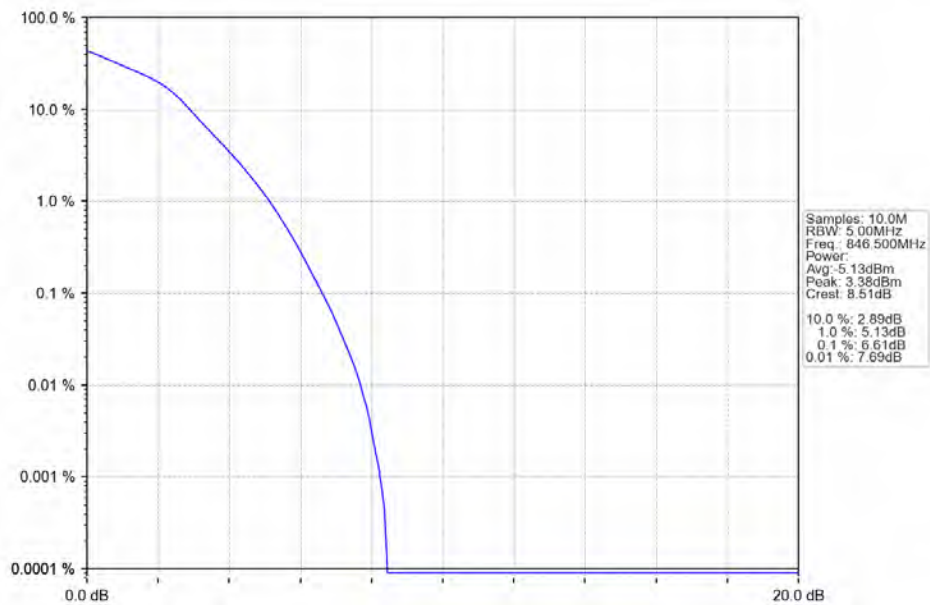
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

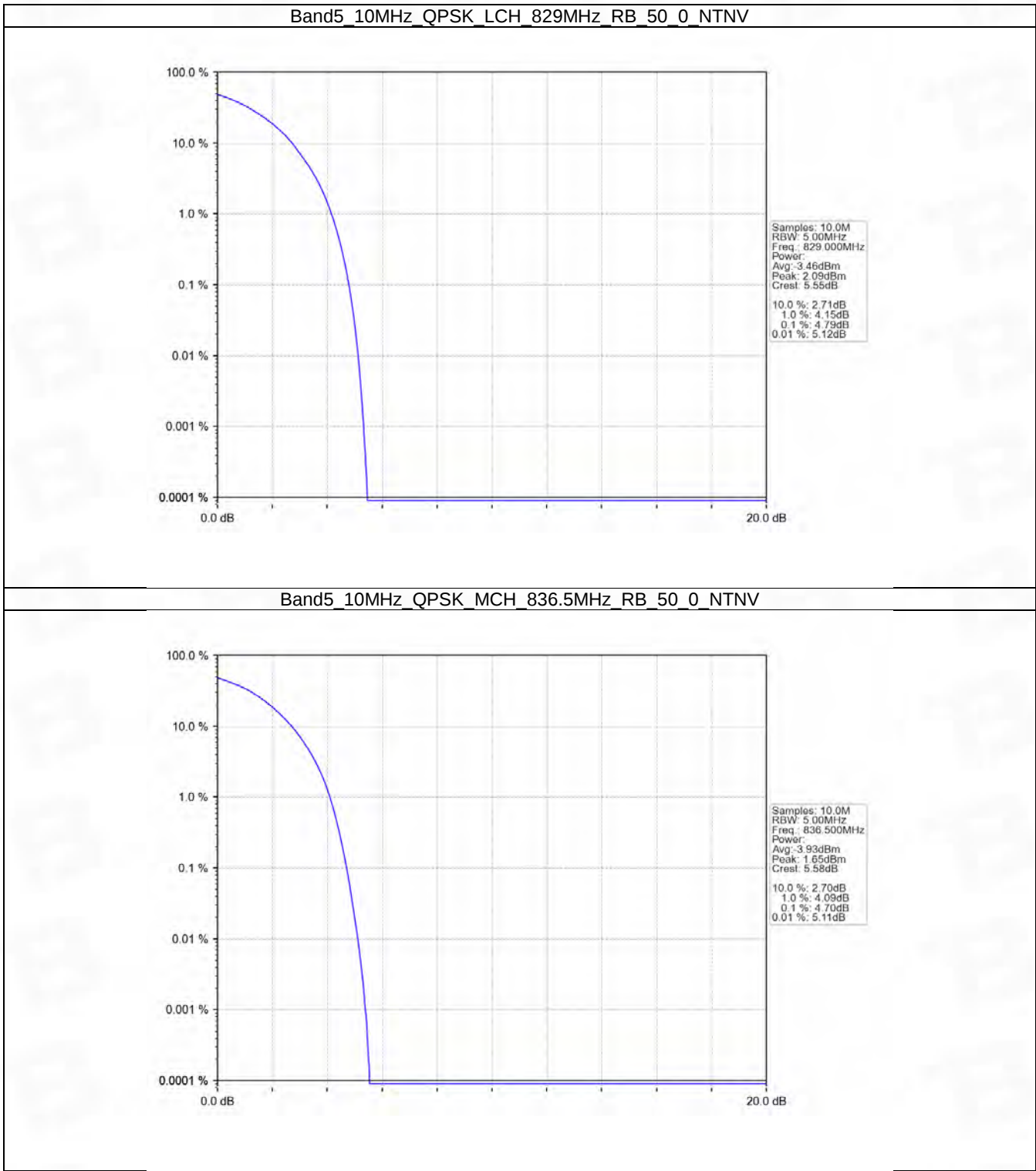


5.4 B5_10MHz

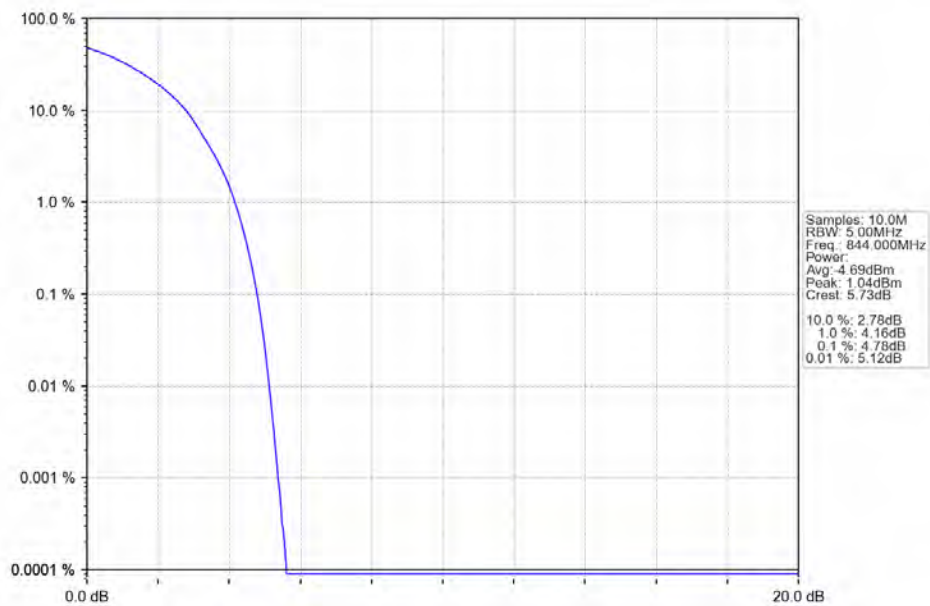
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.79	<=13	Pass
	836.5	50	0	4.70	<=13	Pass
	844	50	0	4.78	<=13	Pass
16QAM	829	50	0	6.22	<=13	Pass
	836.5	50	0	6.17	<=13	Pass
	844	50	0	6.22	<=13	Pass

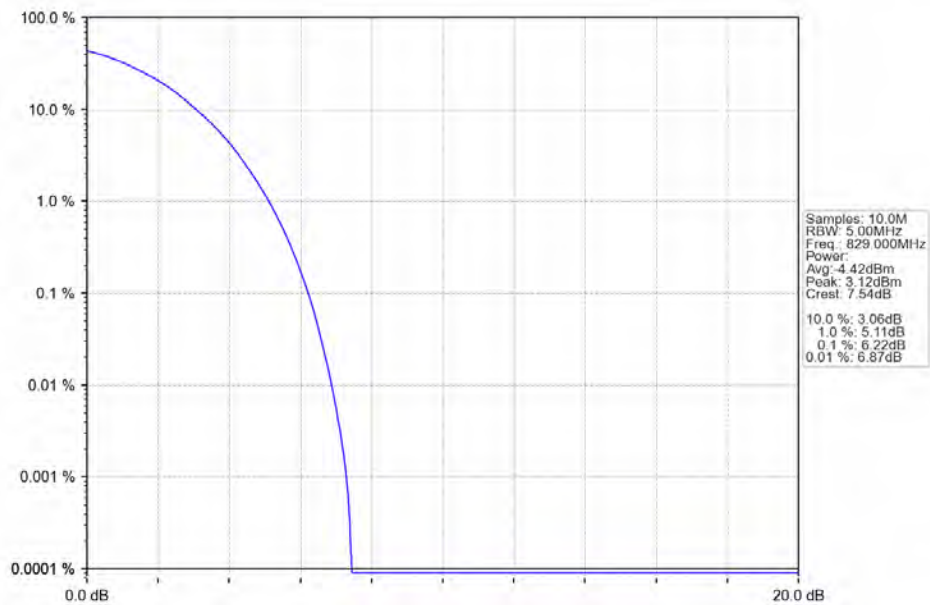
5.4.2 Test Graph



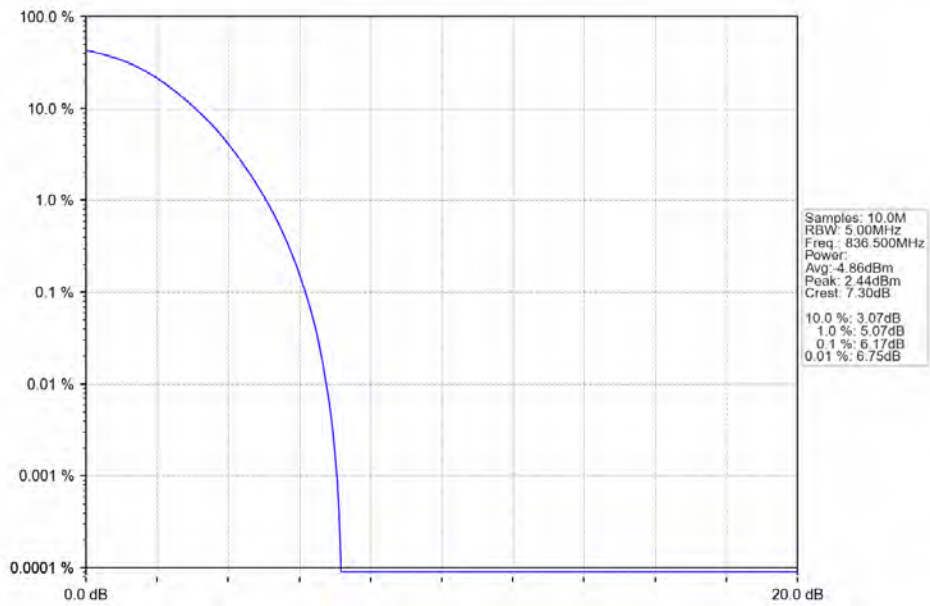
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



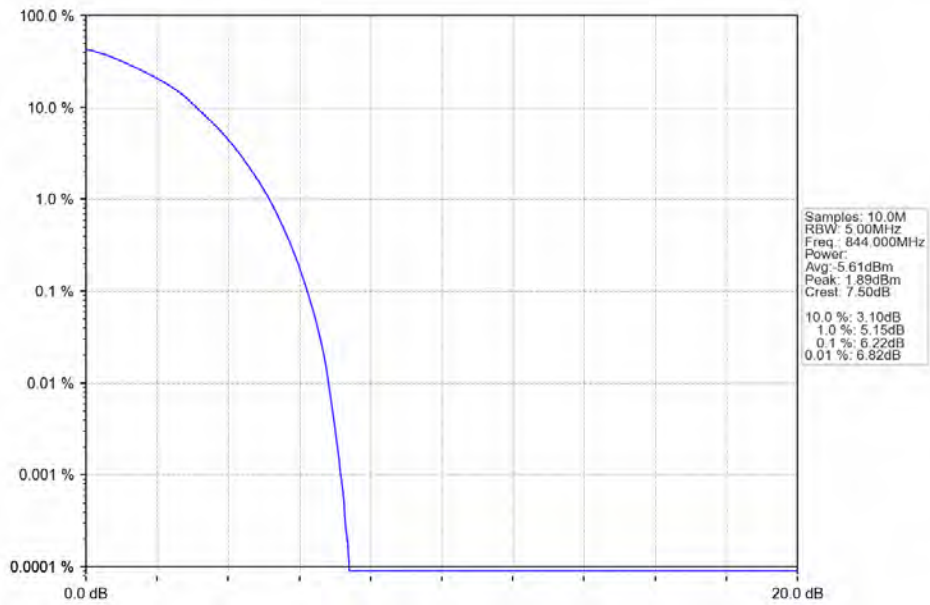
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



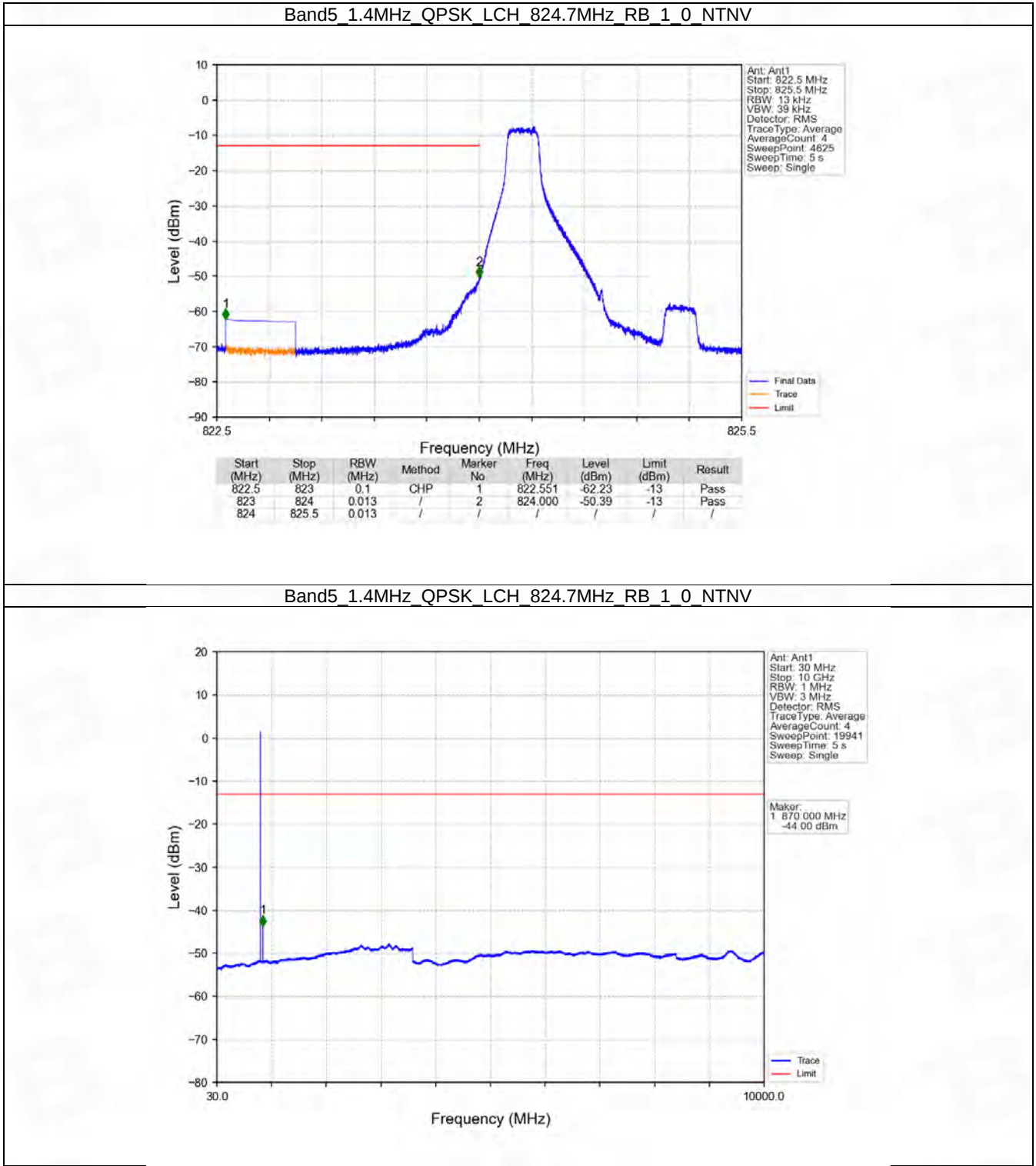
6. Spurious Emission

6.1 B5_1.4MHz

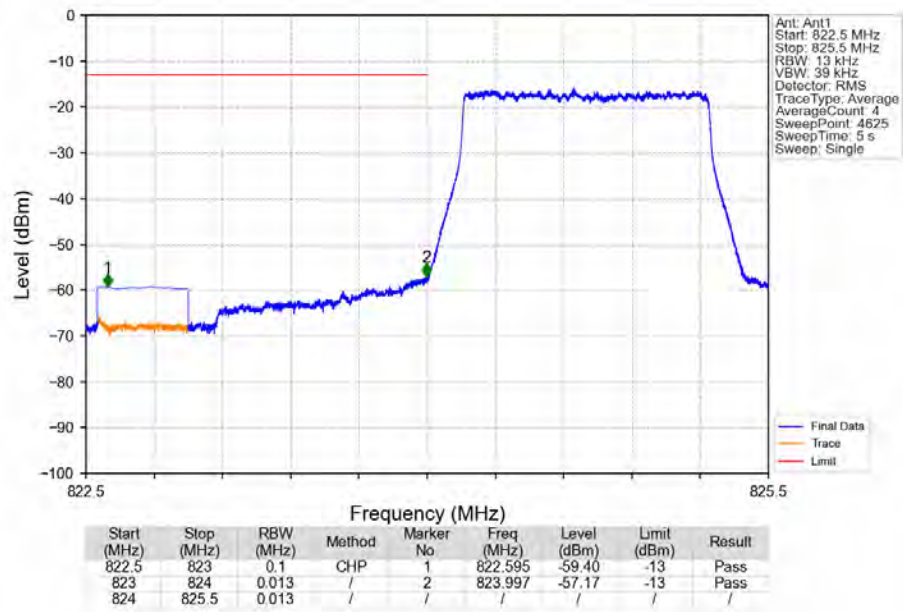
6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	824.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	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
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass

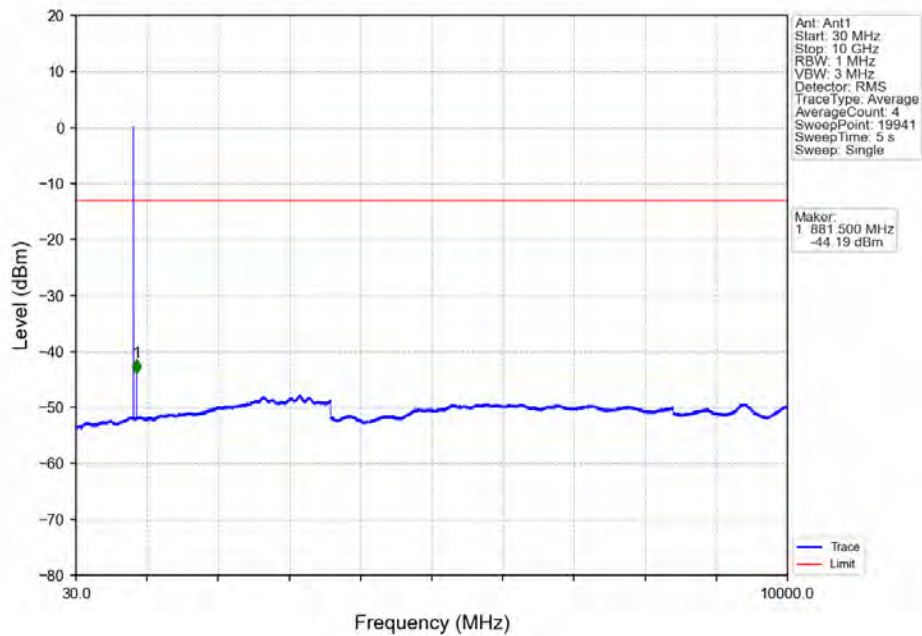
6.1.2 Test Graph



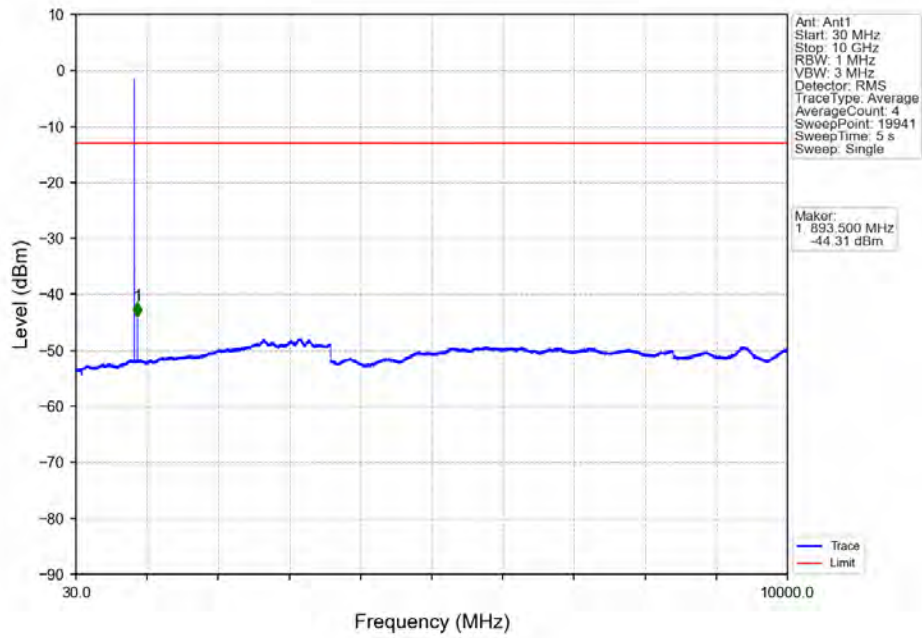
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



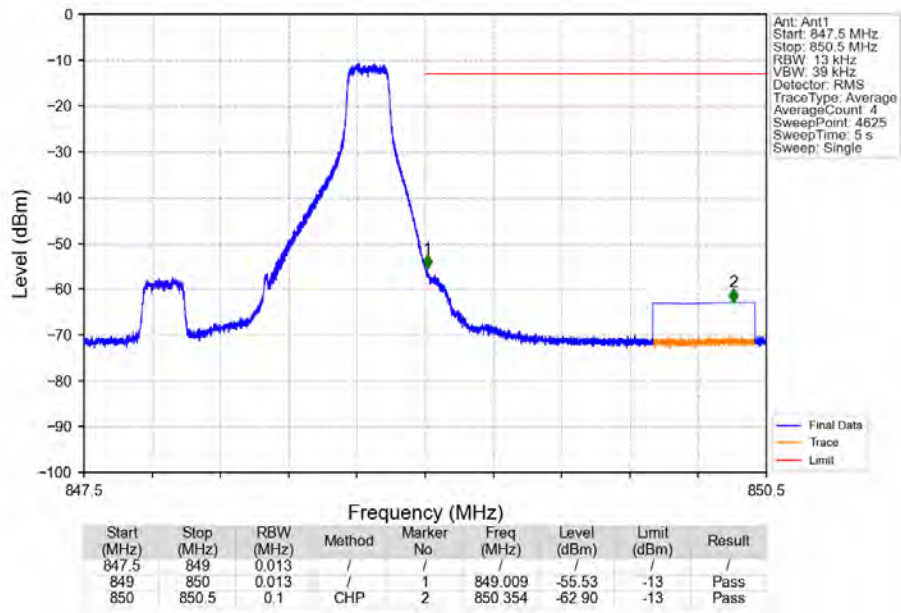
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



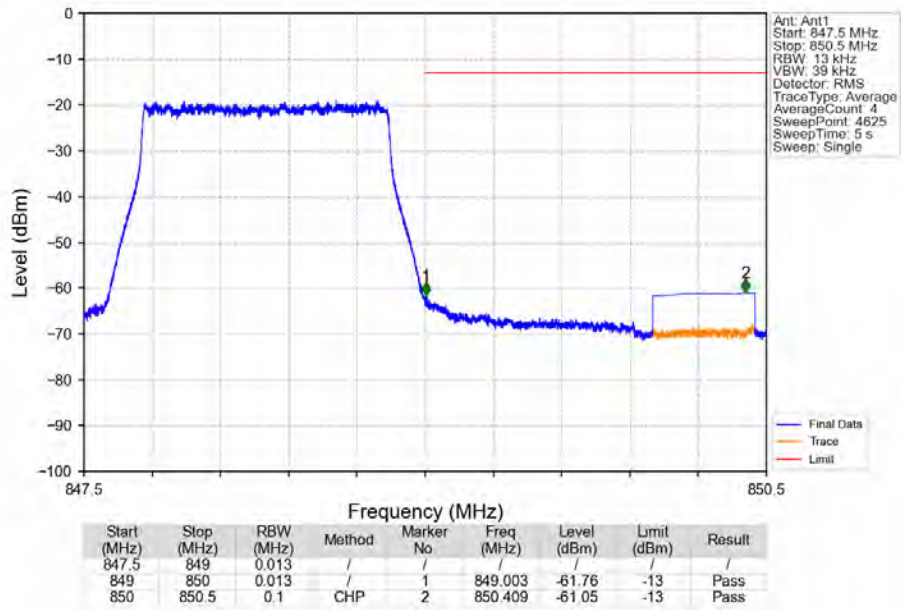
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



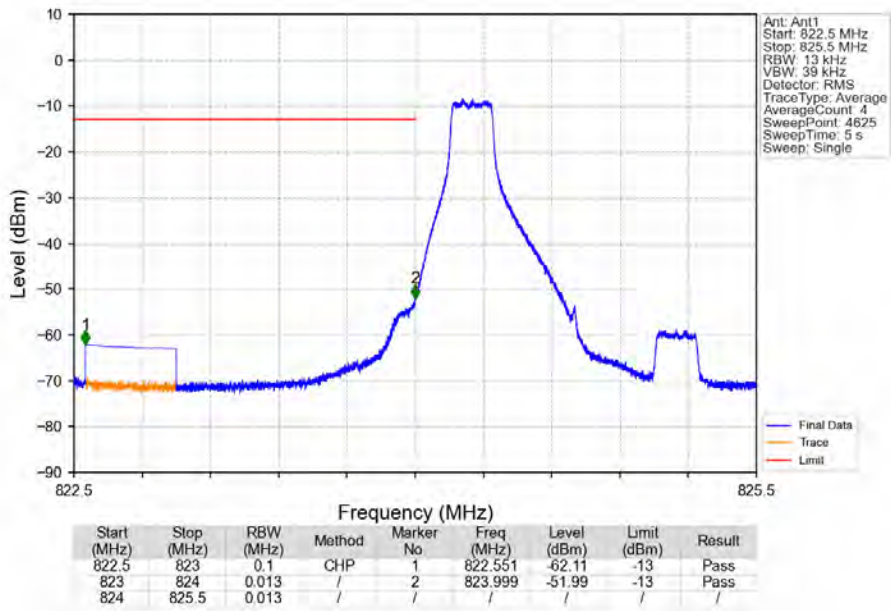
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



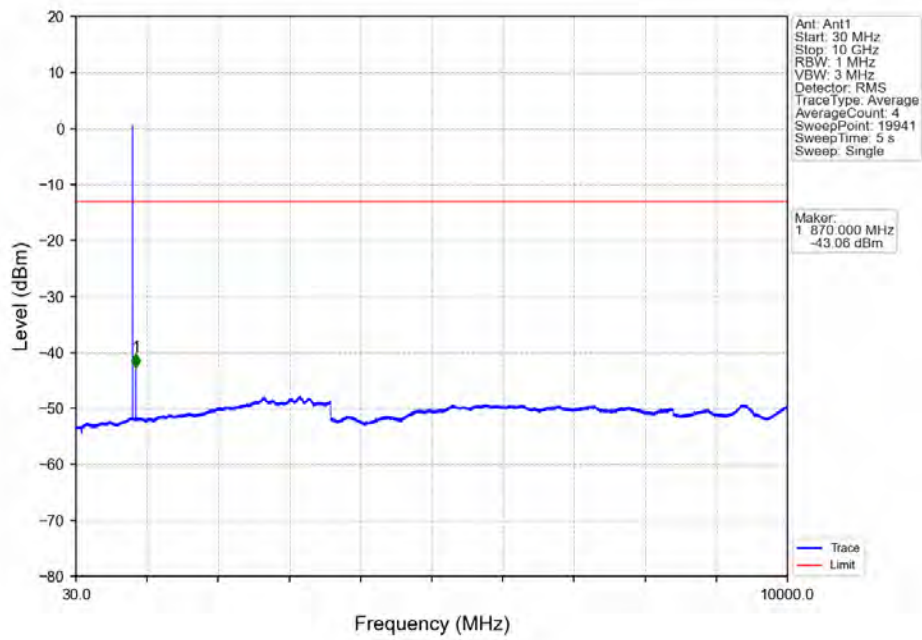
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV



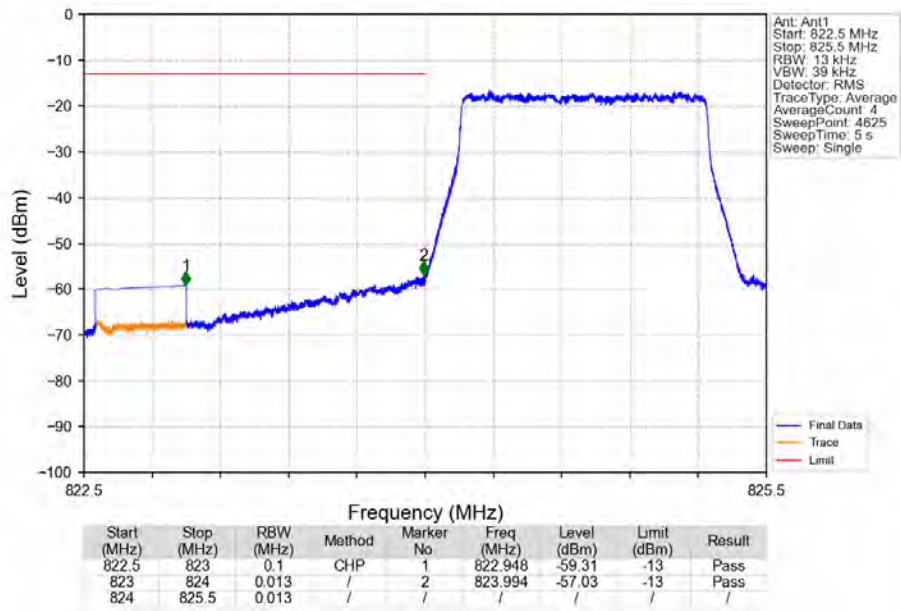
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



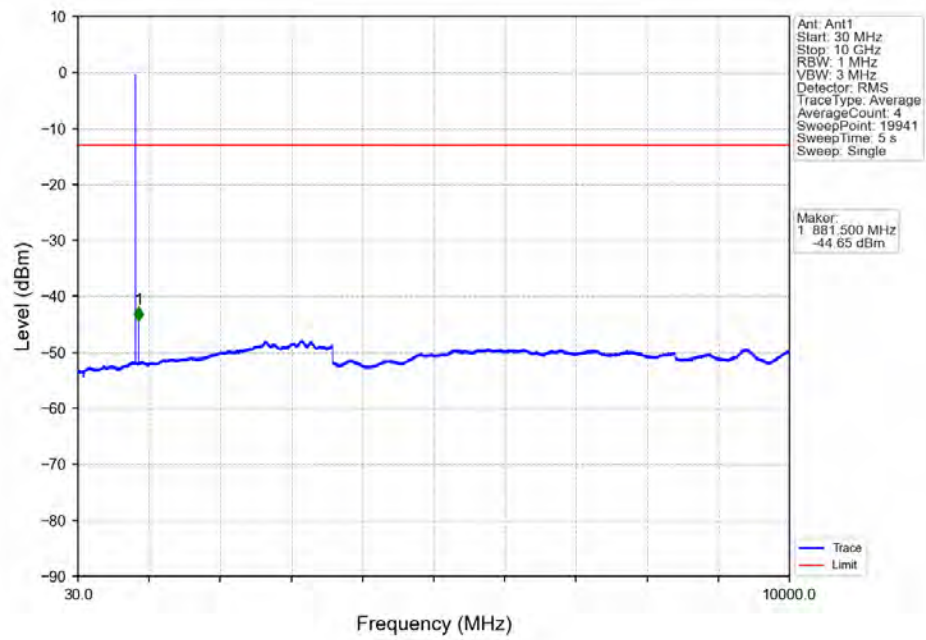
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



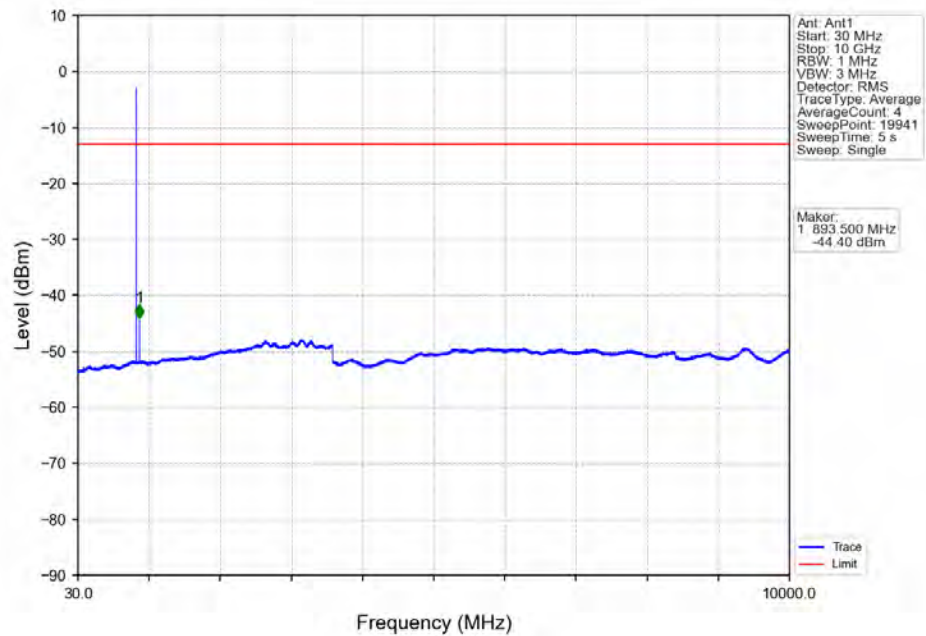
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV



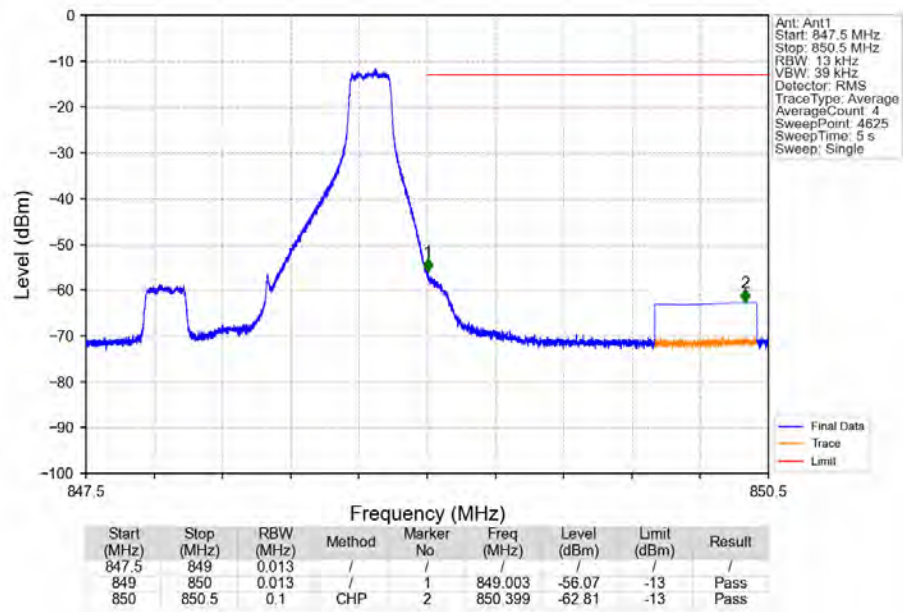
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



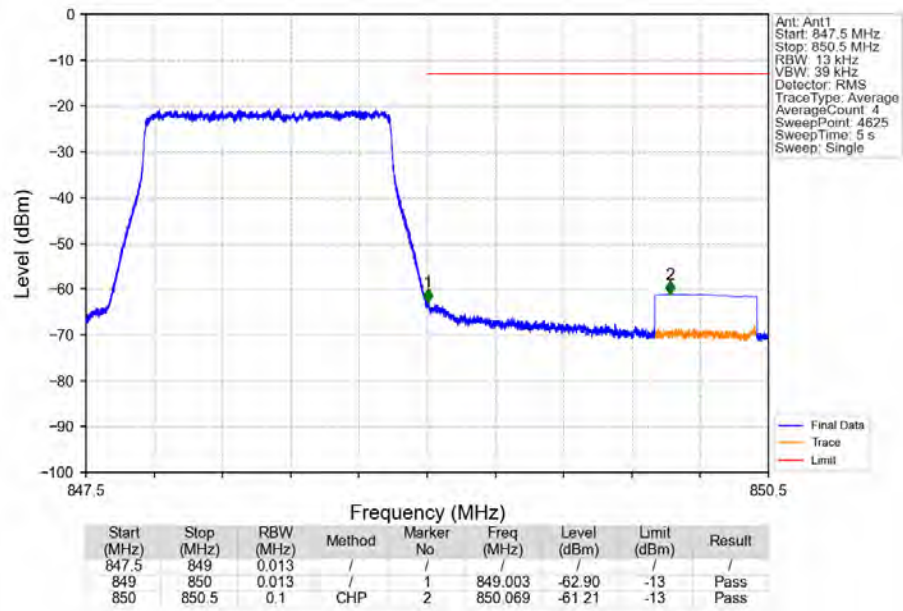
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV

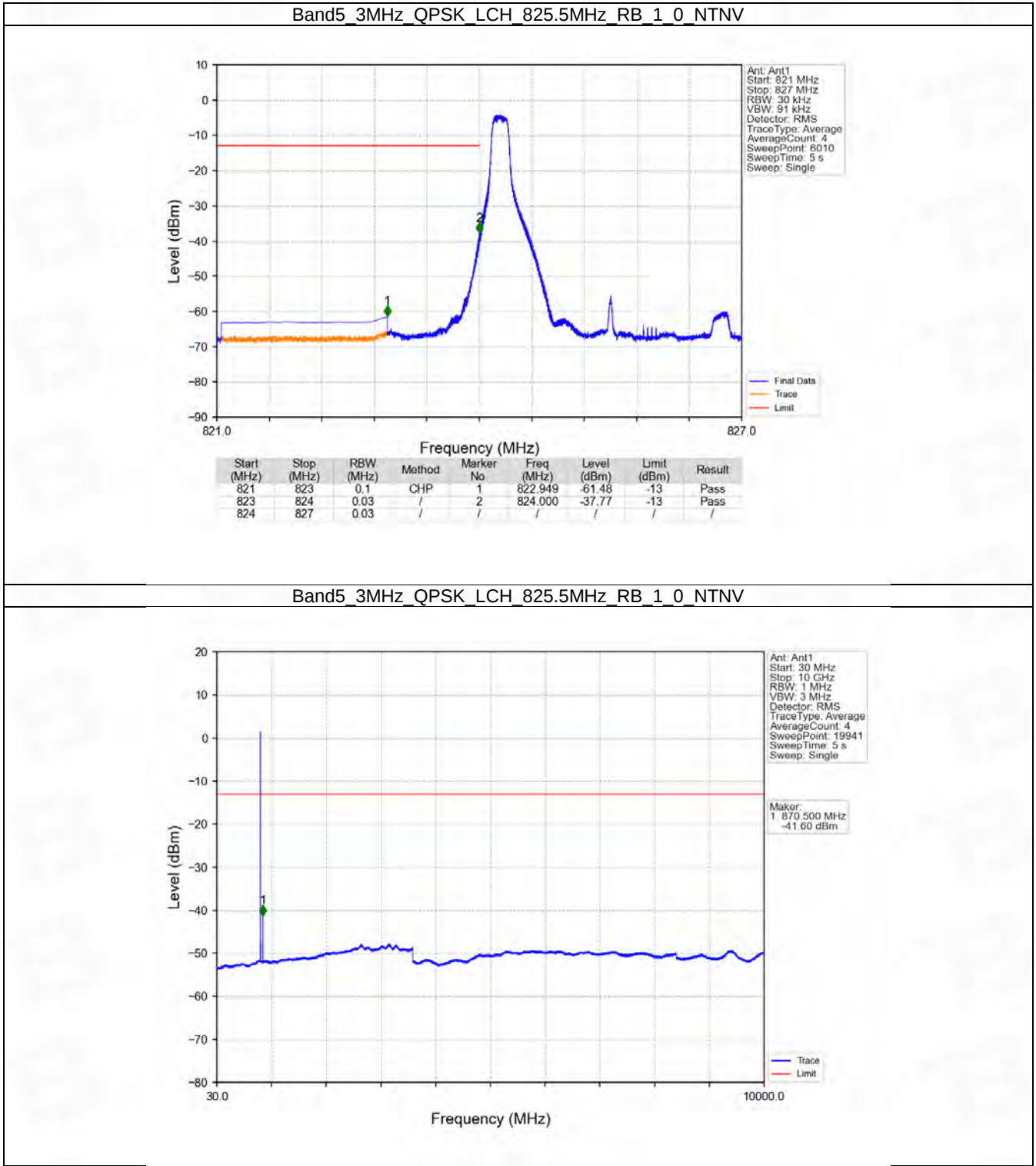


6.2 B5_3MHz

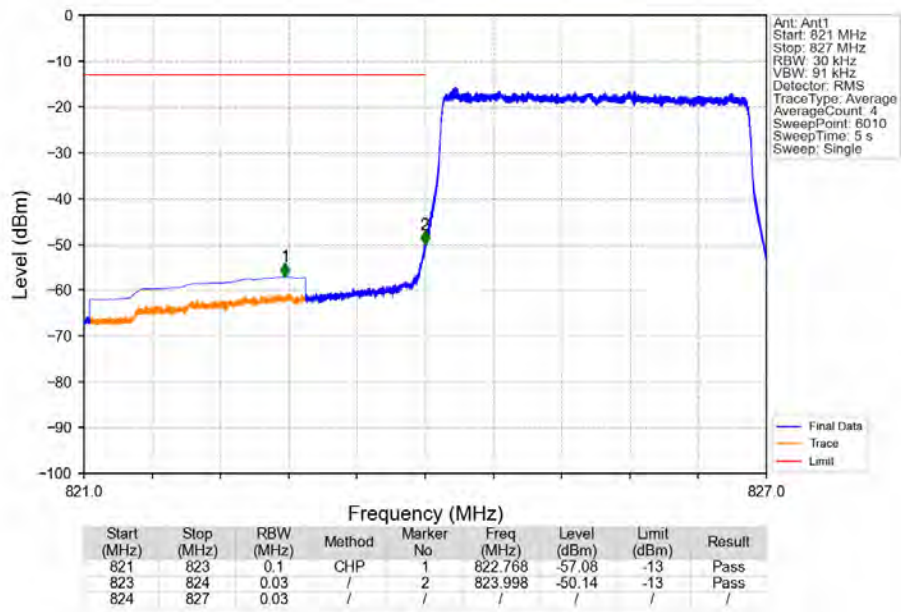
6.2.1 Test Result

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

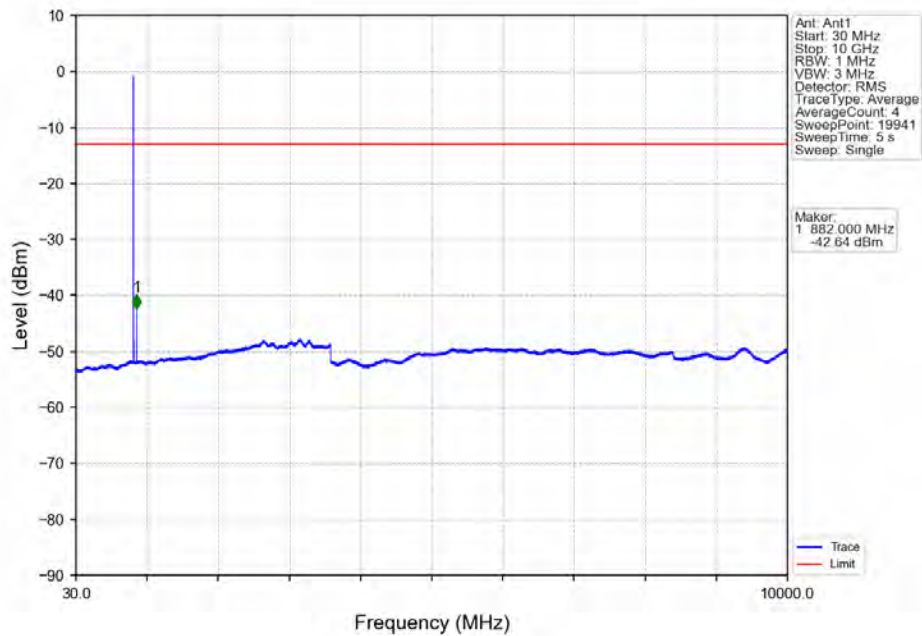
6.2.2 Test Graph



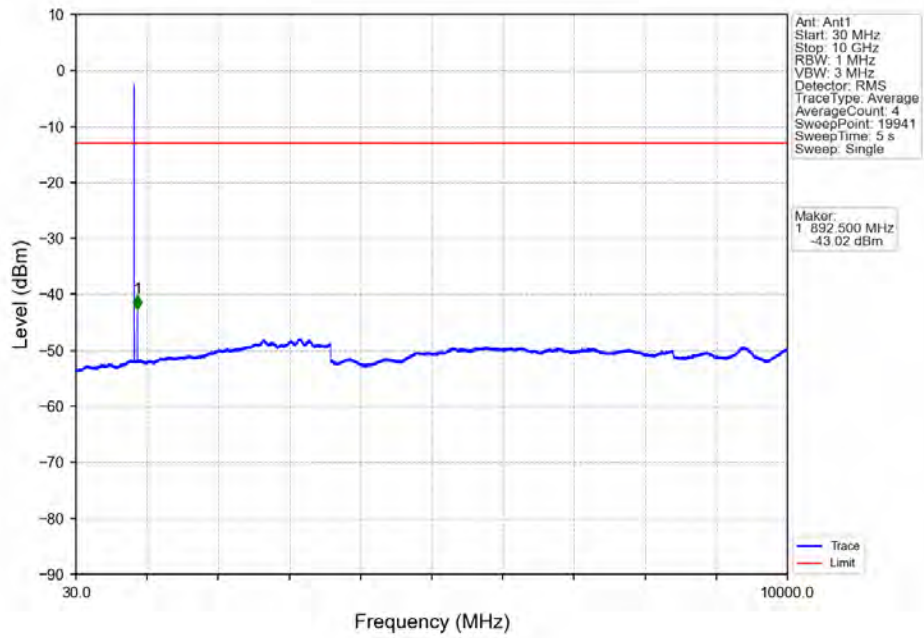
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



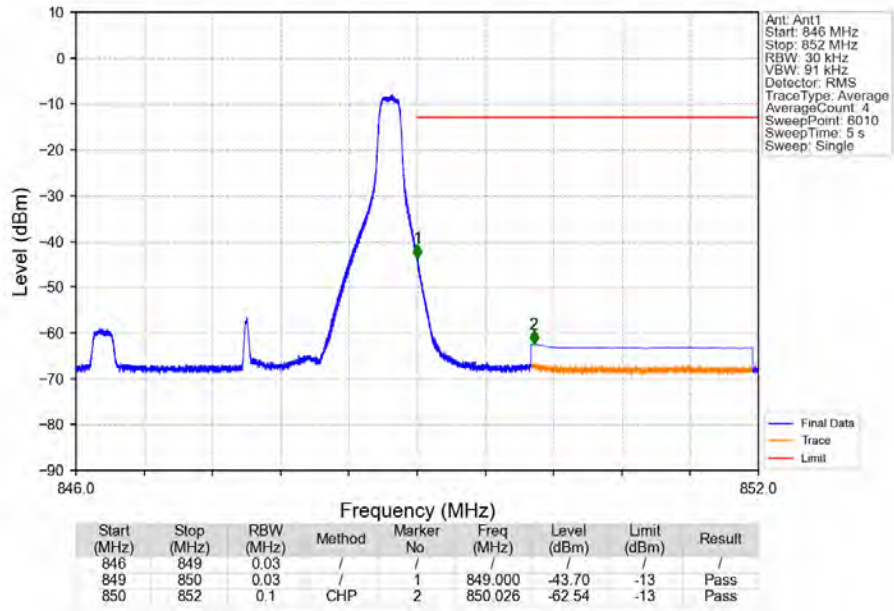
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



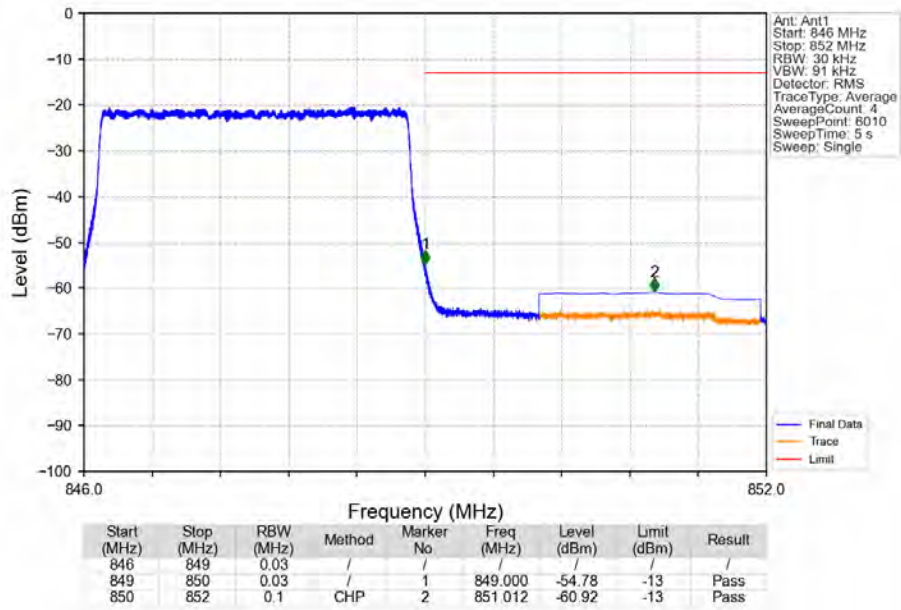
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



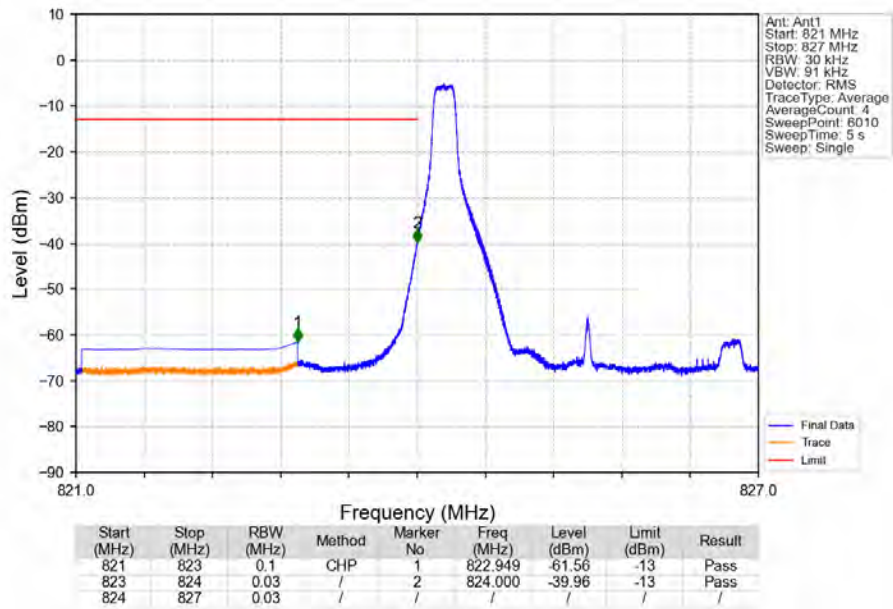
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



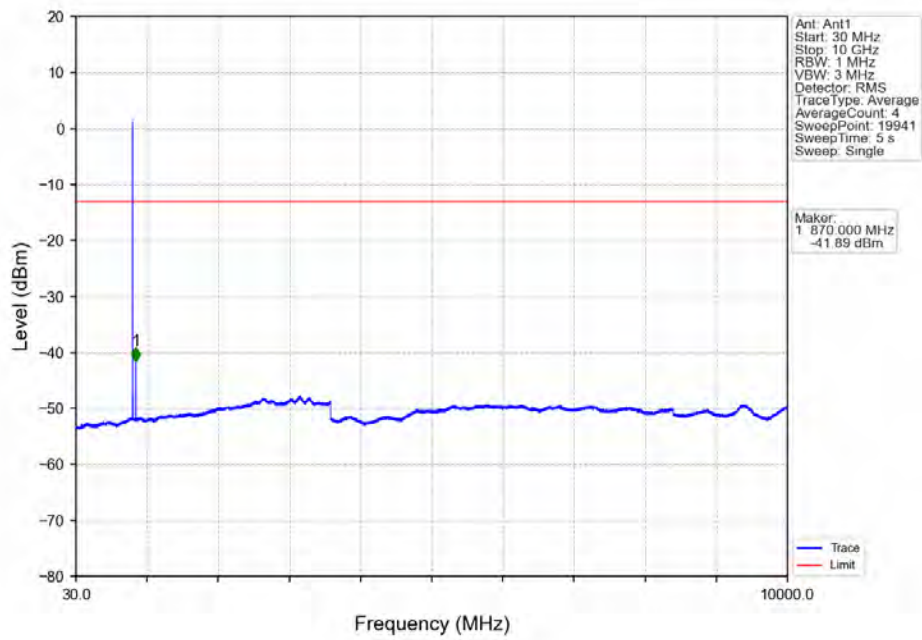
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



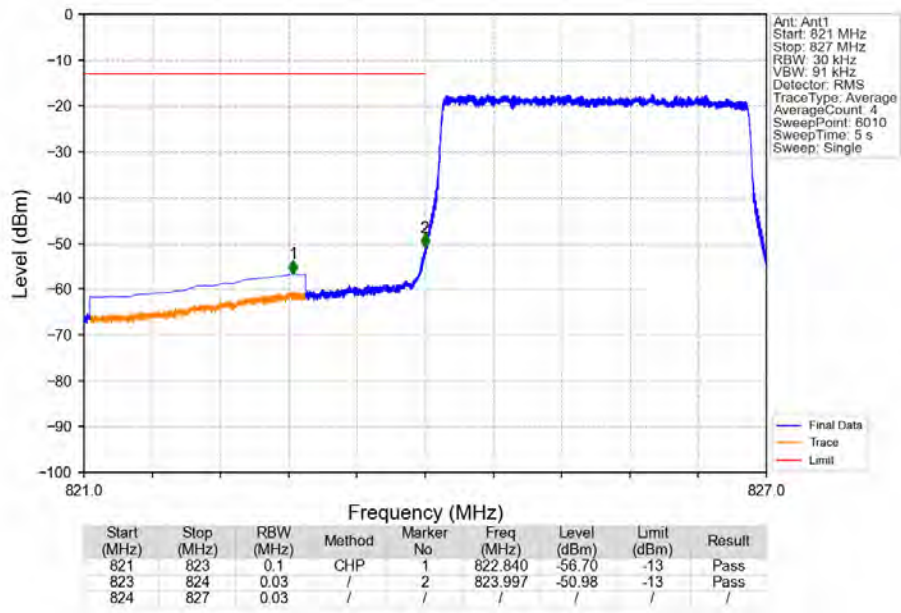
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTNV



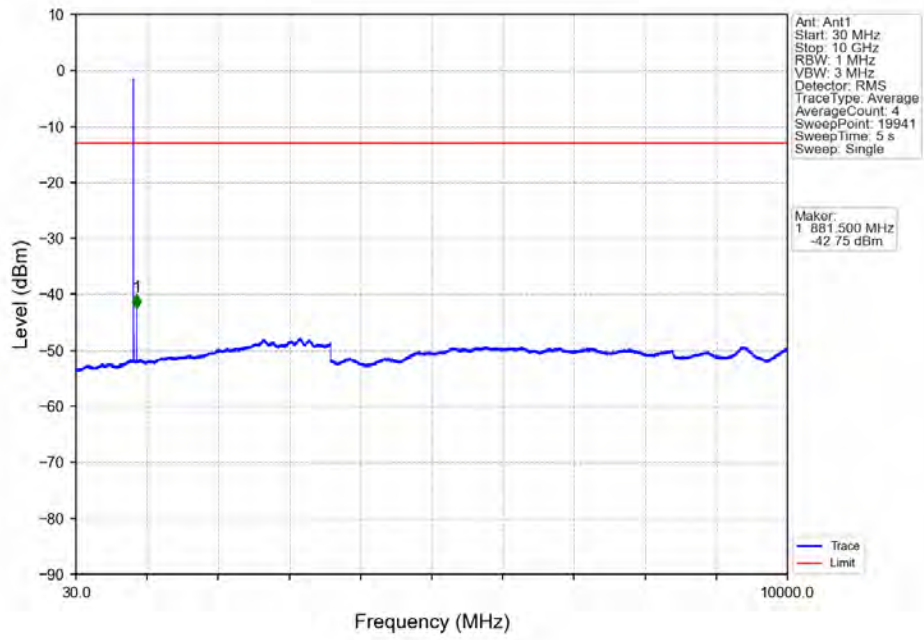
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTNV



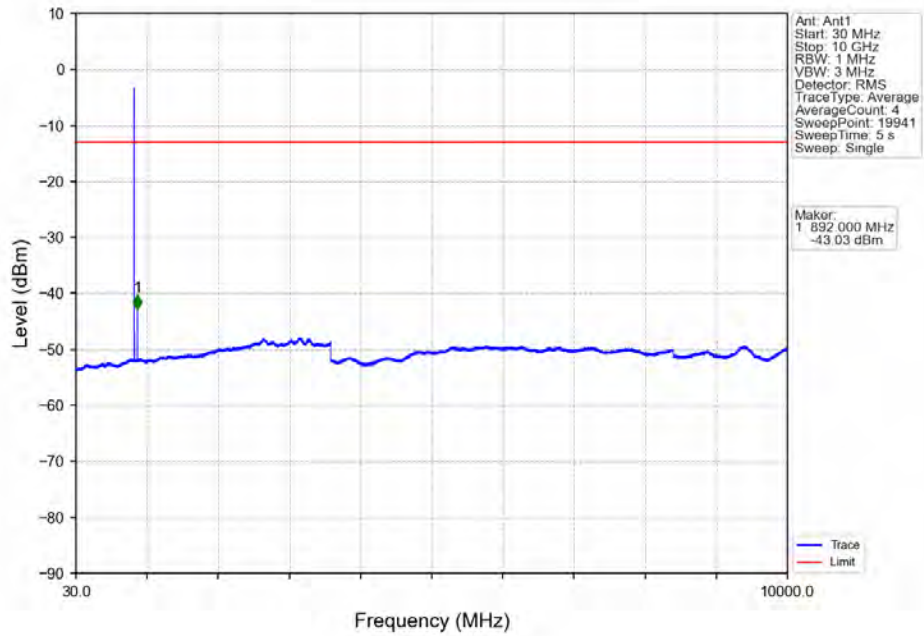
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



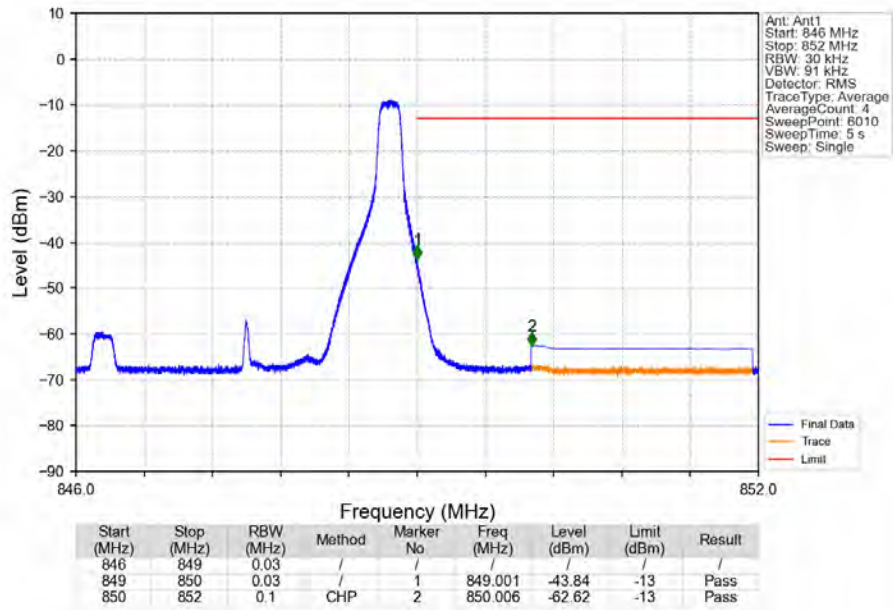
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



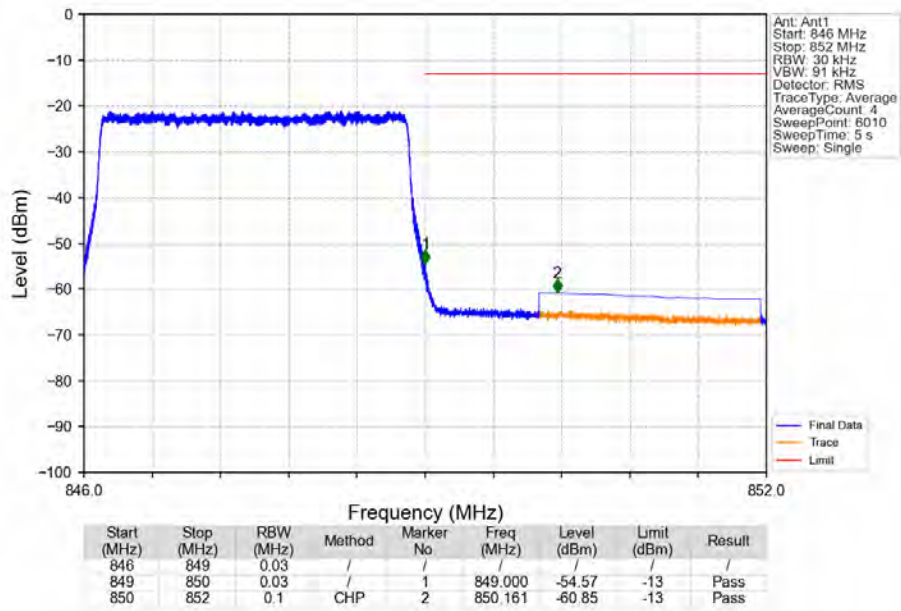
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTNV



Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

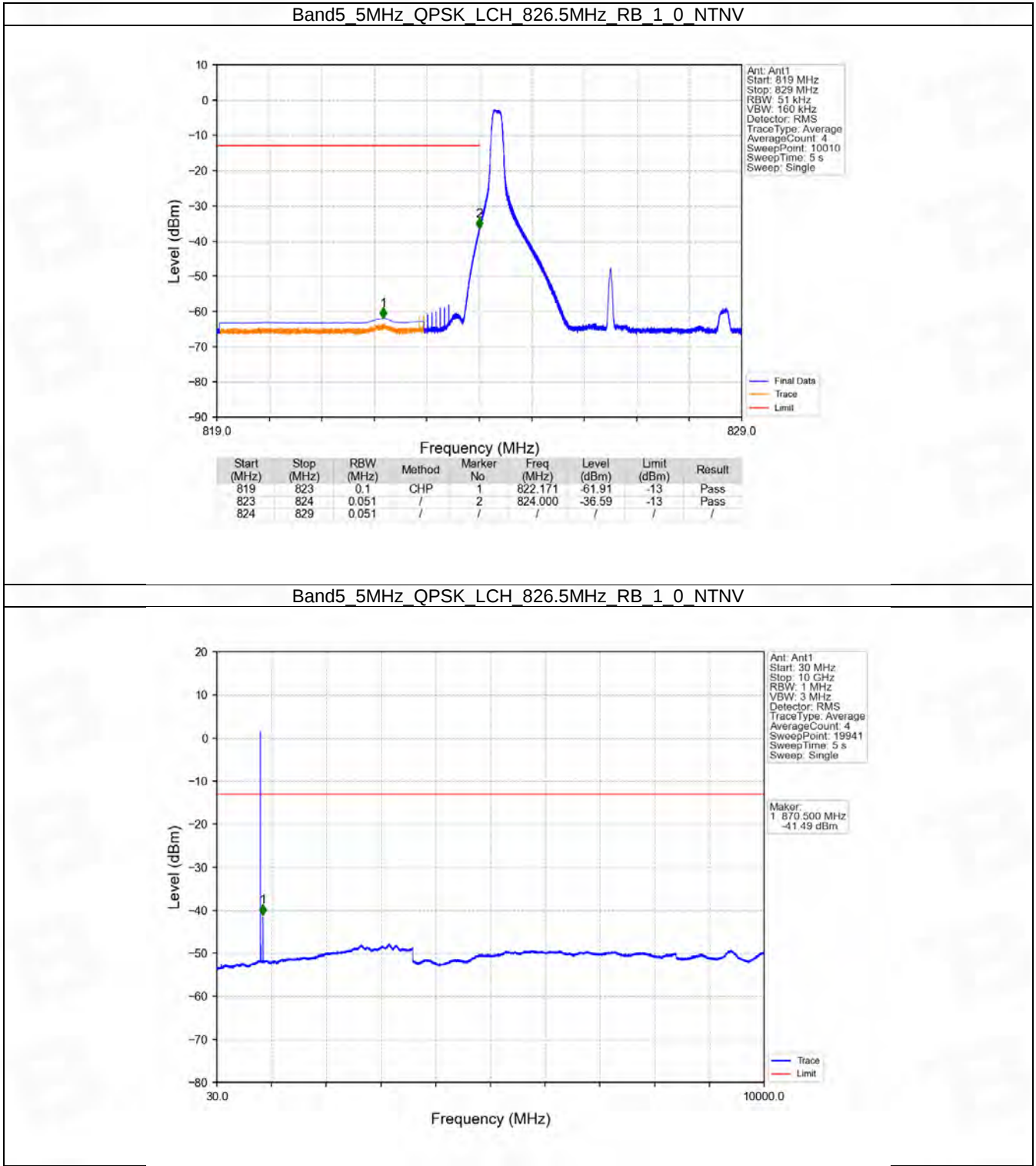


6.3 B5_5MHz

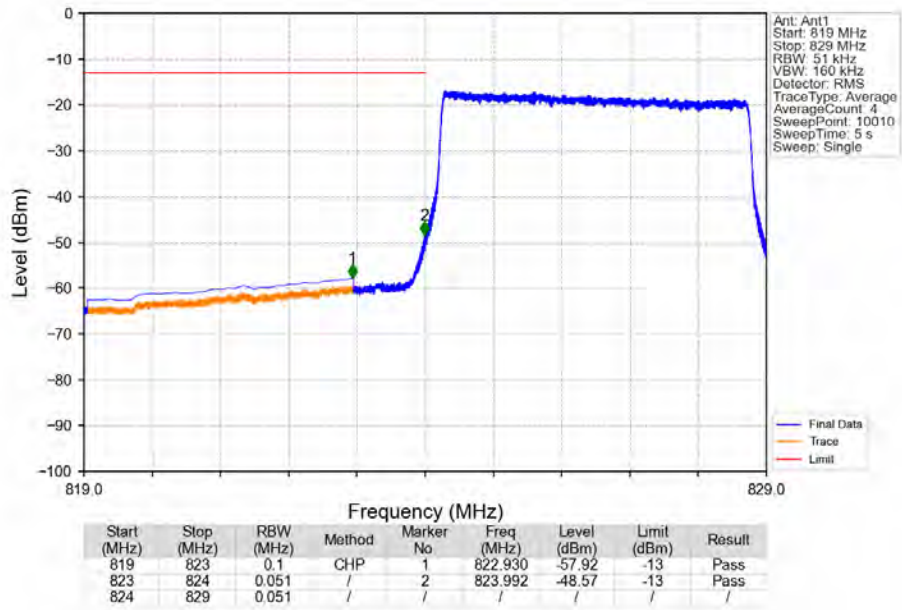
6.3.1 Test Result

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

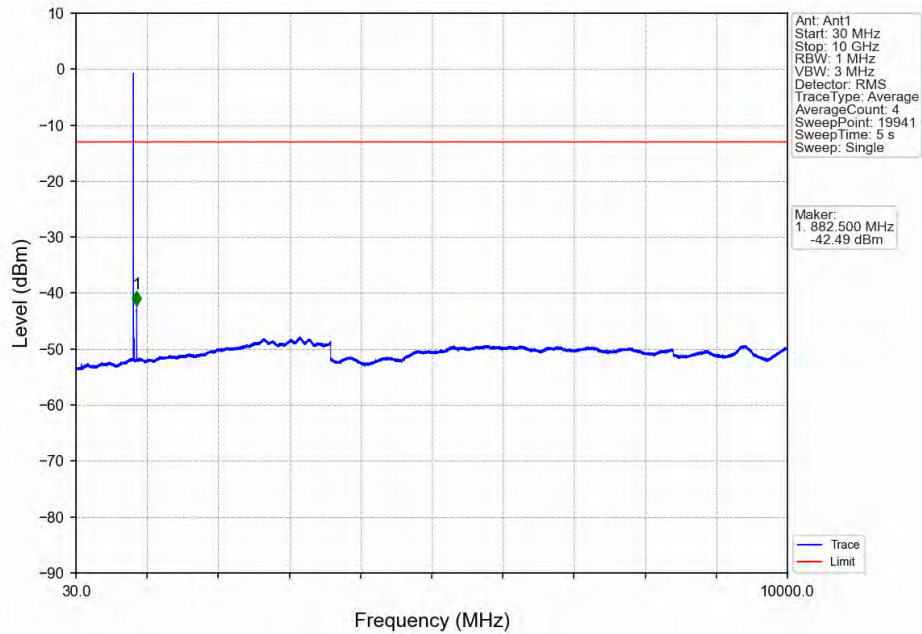
6.3.2 Test Graph



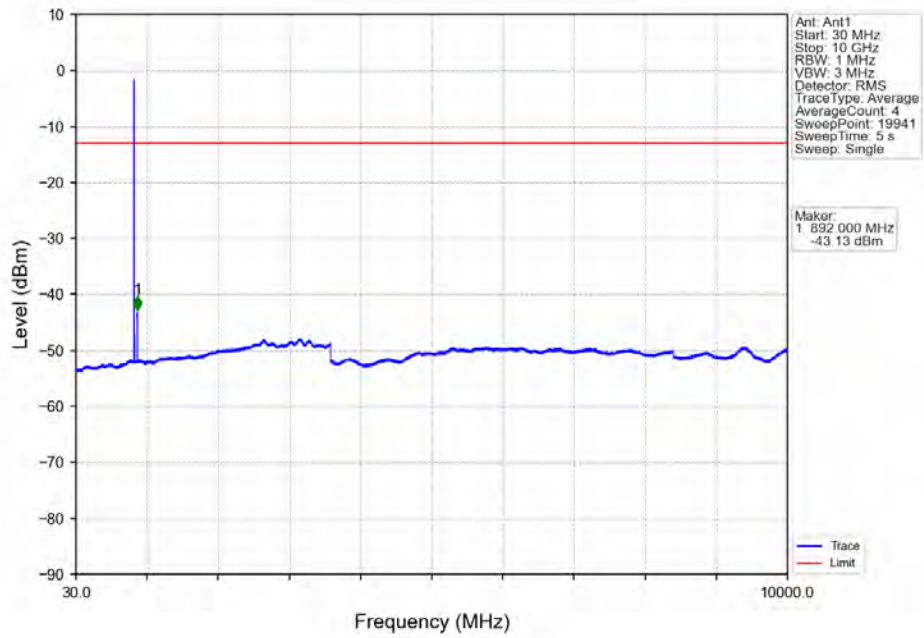
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



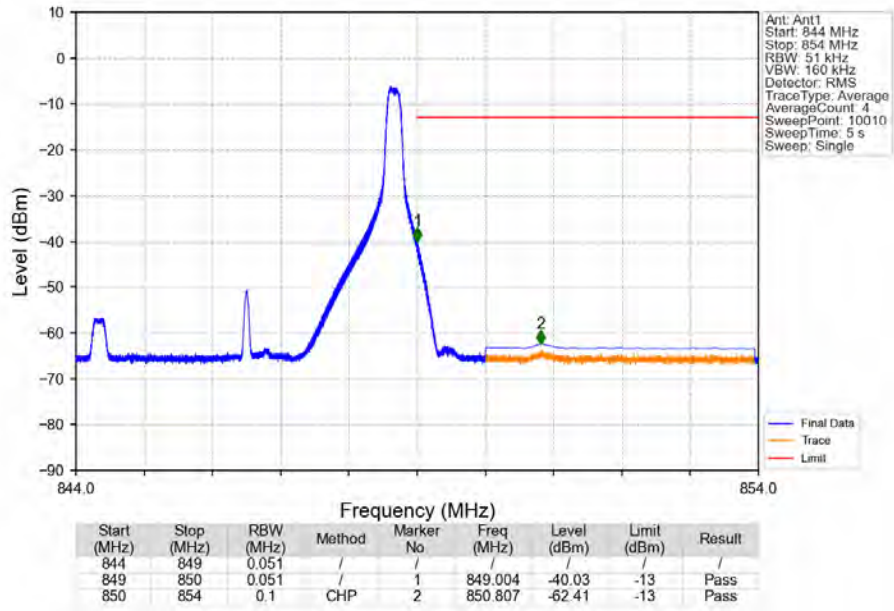
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



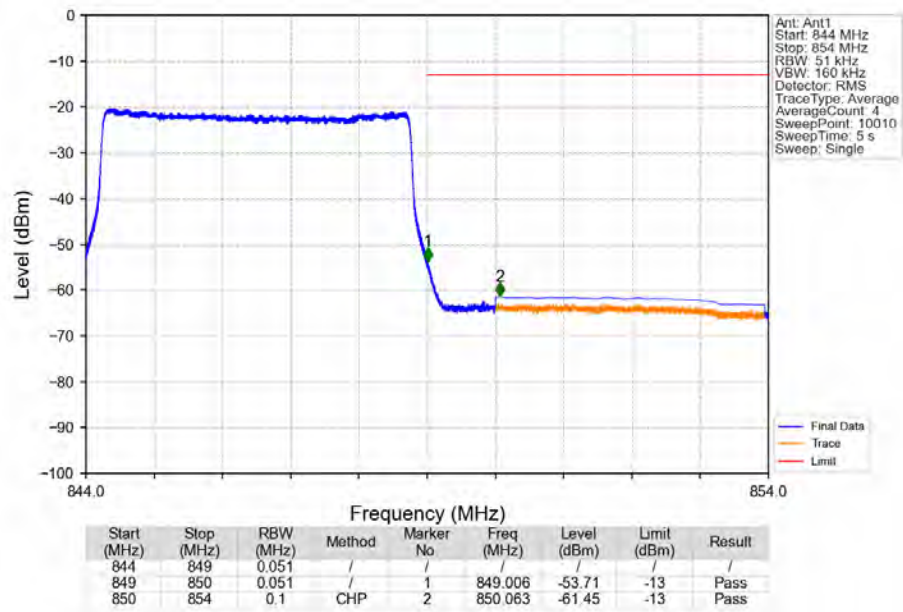
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



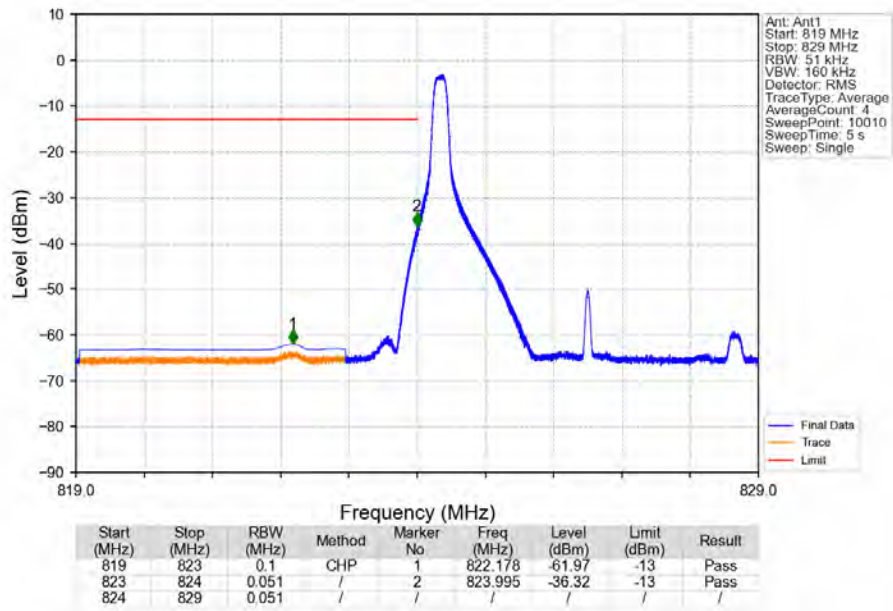
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



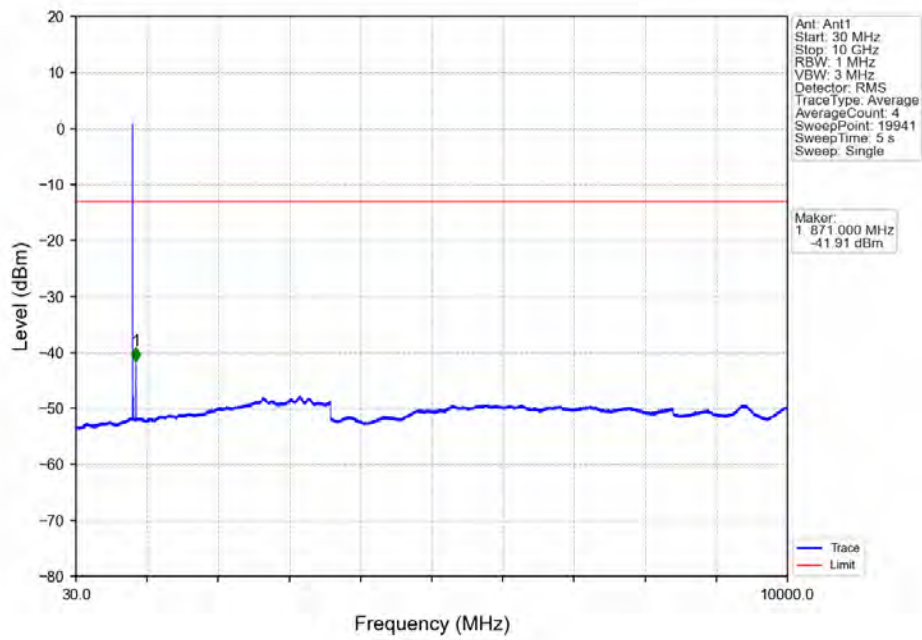
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



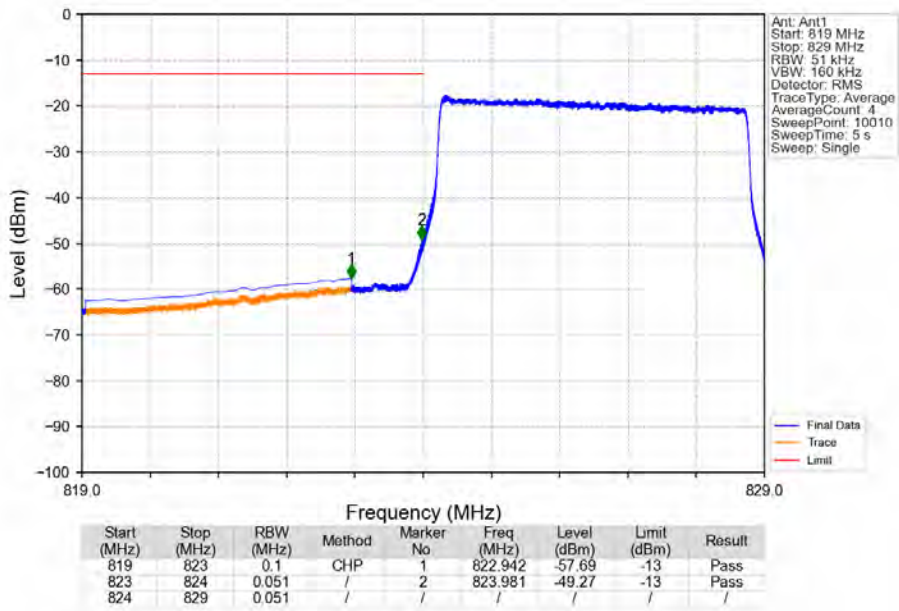
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



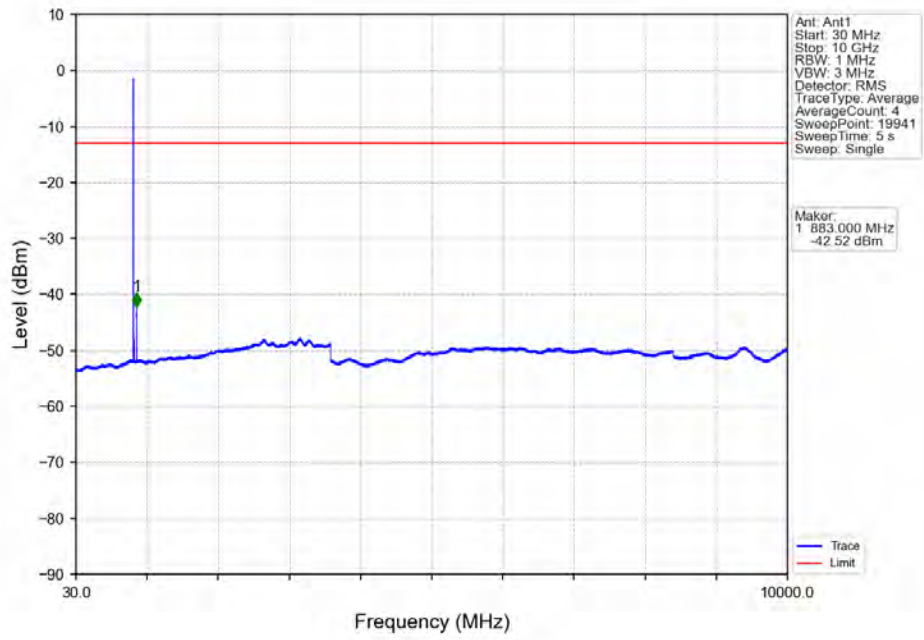
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



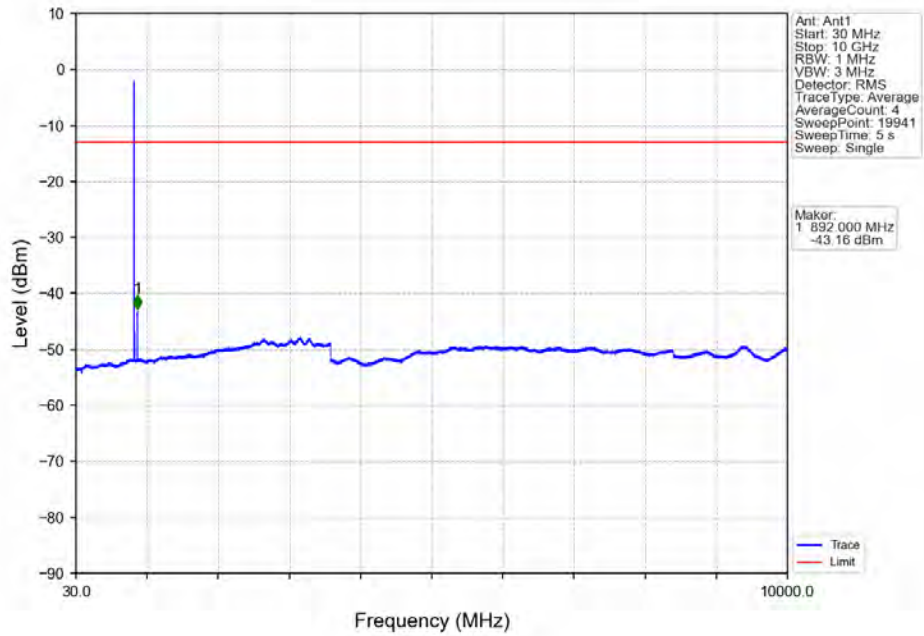
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



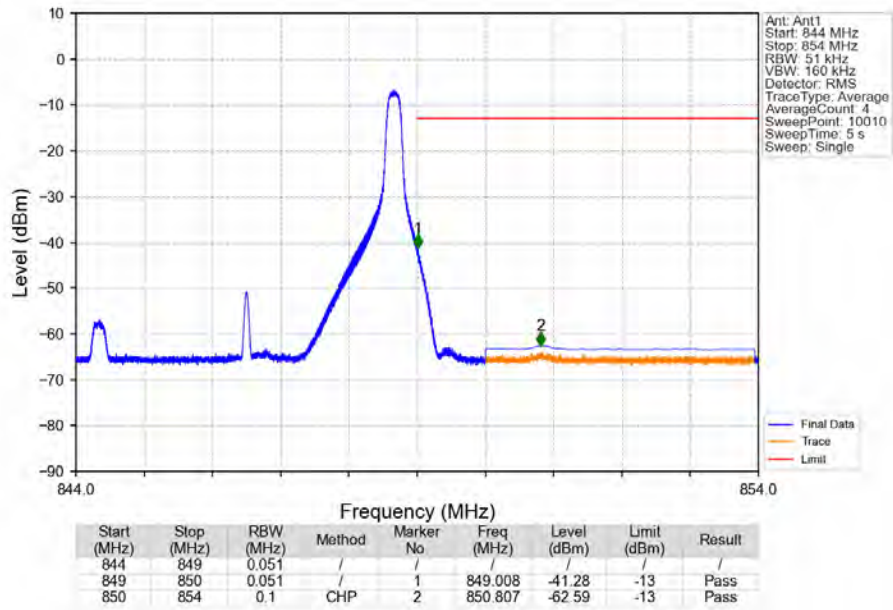
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



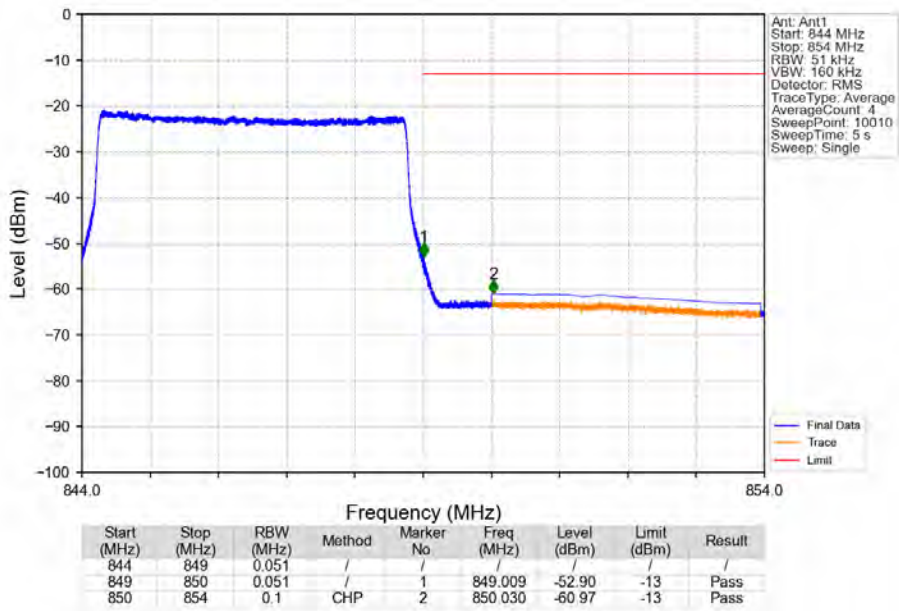
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

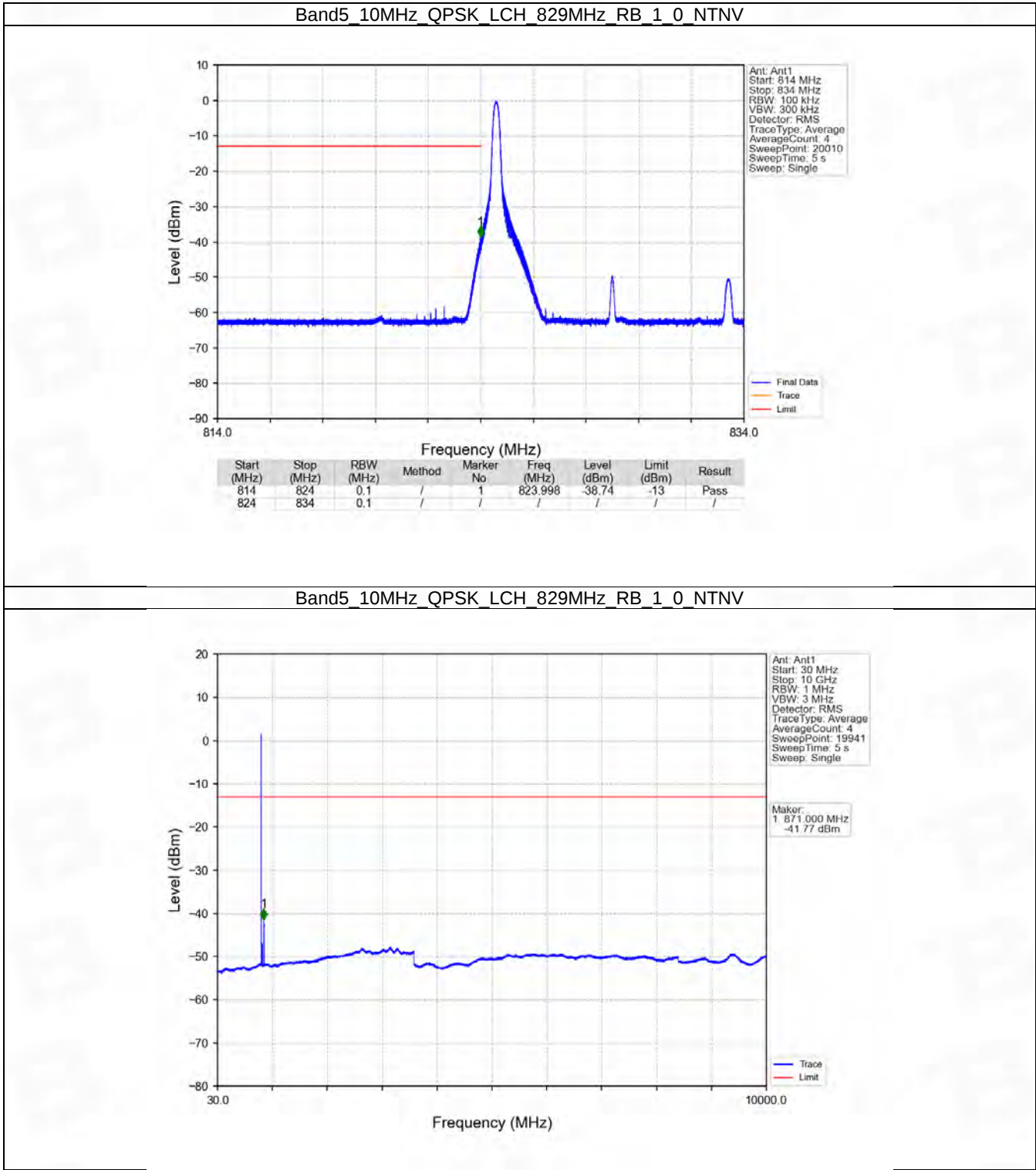


6.4 B5_10MHz

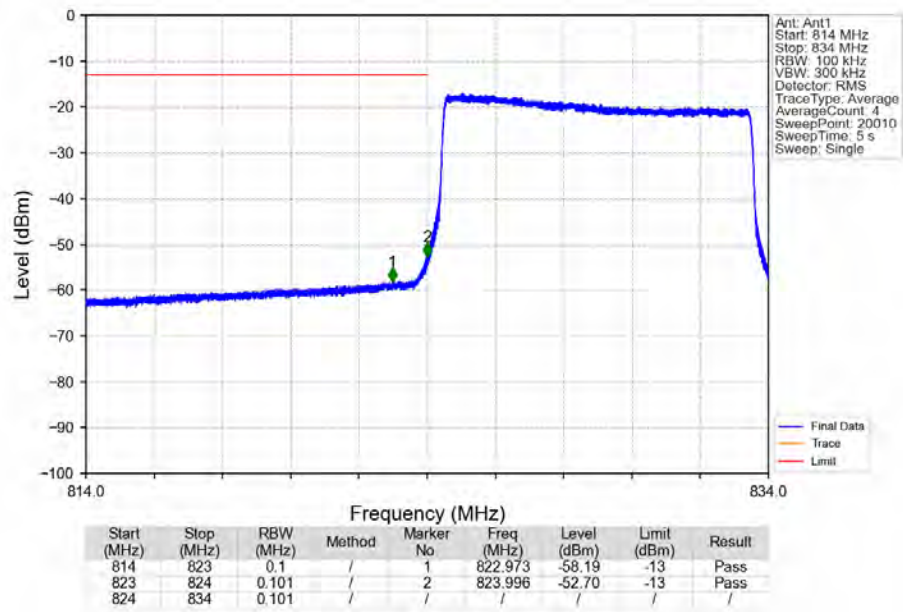
6.4.1 Test Result

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

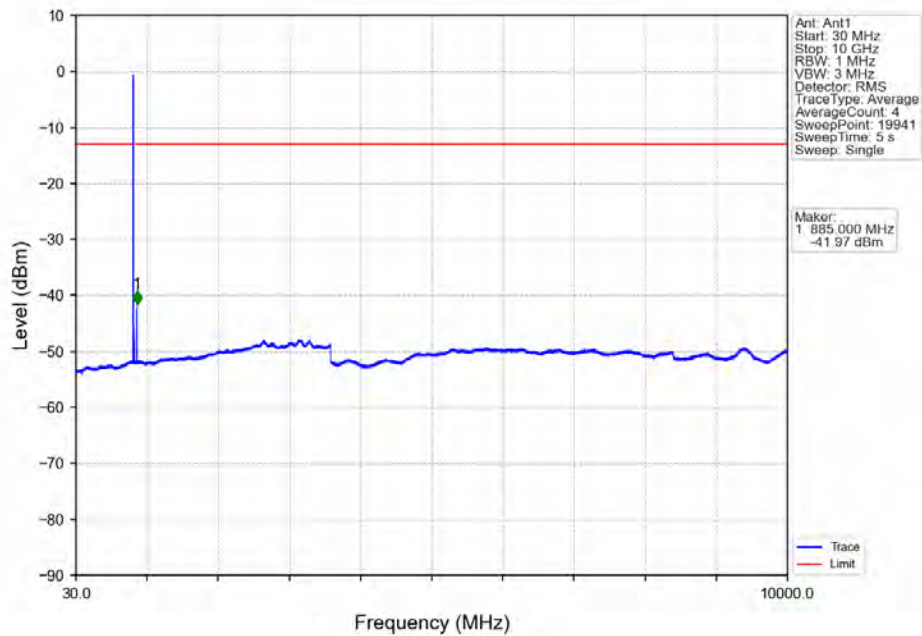
6.4.2 Test Graph



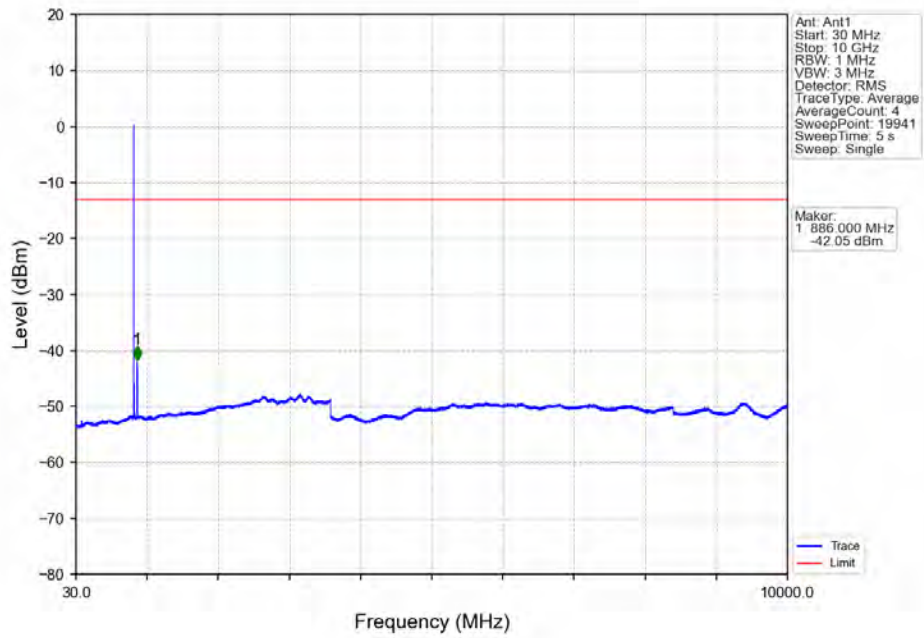
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



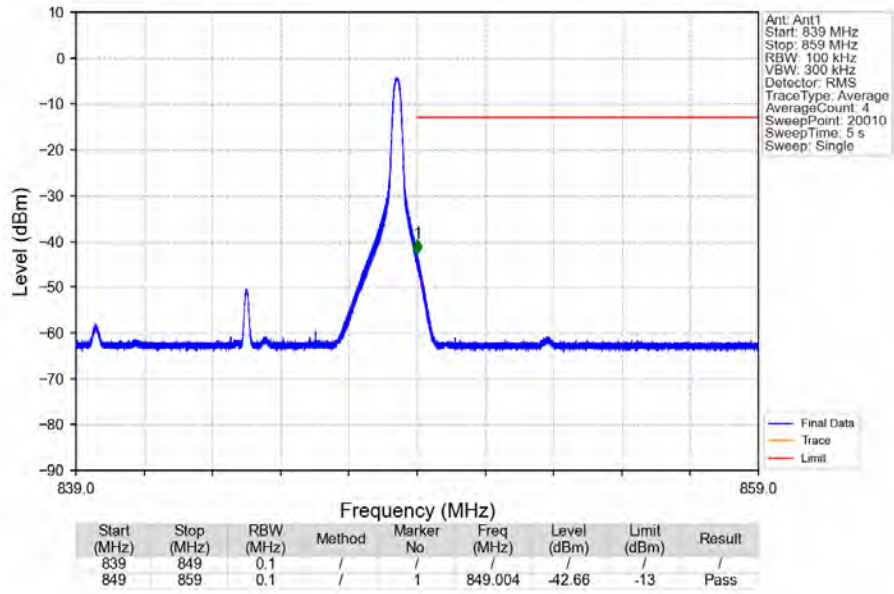
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



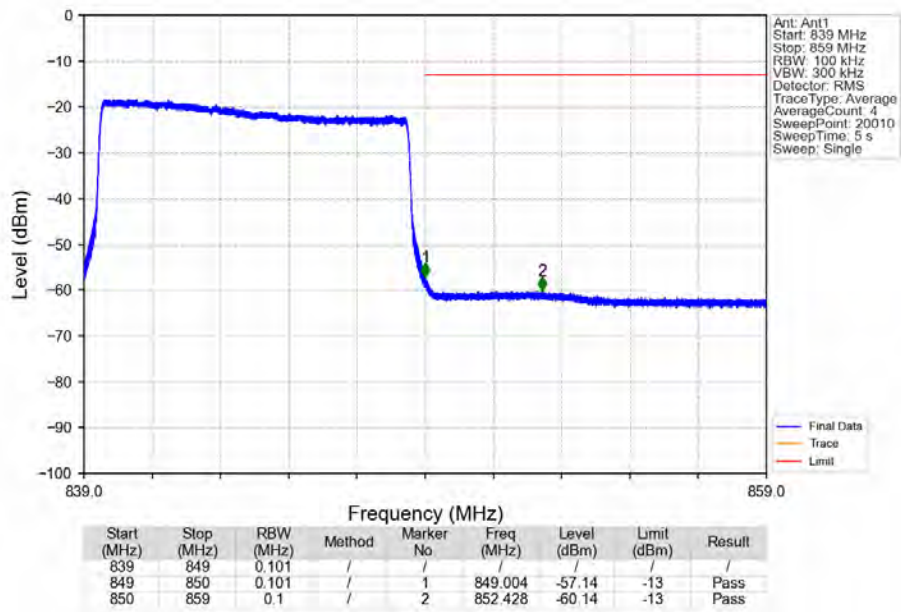
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



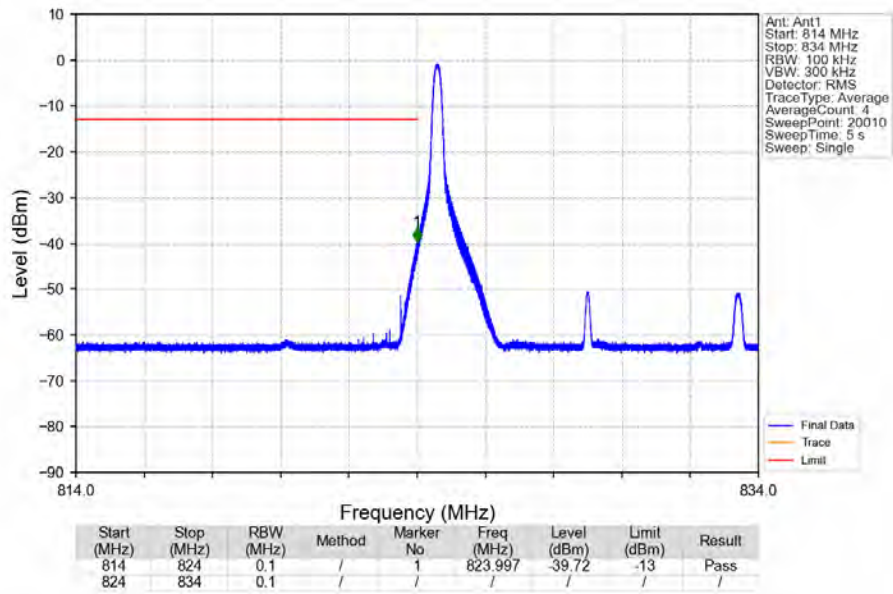
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



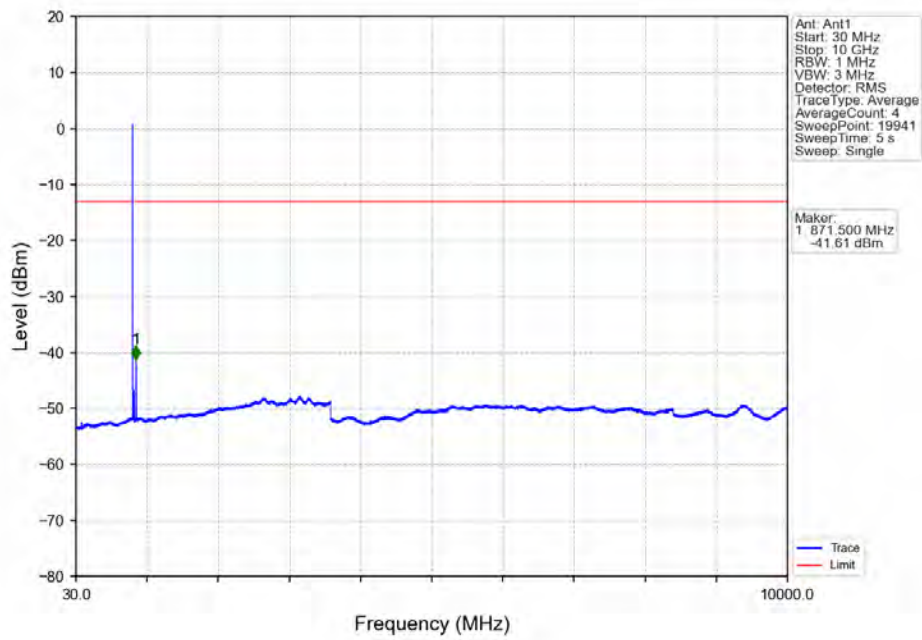
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



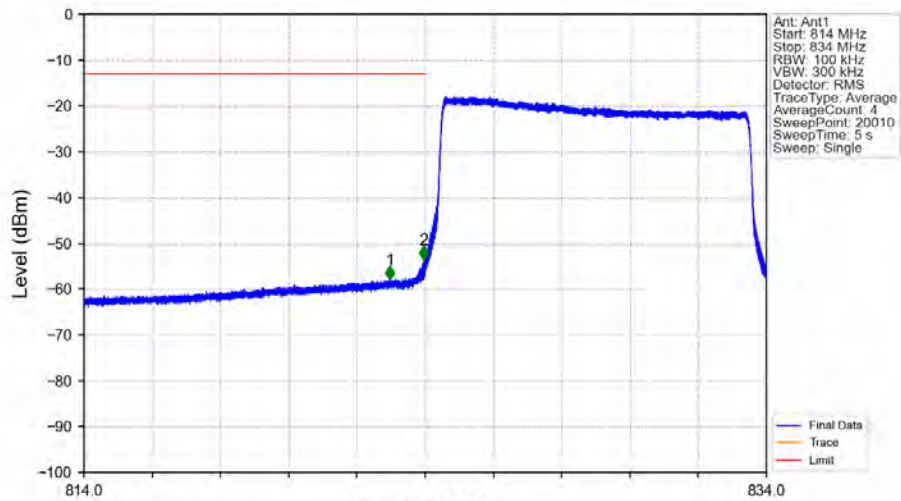
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

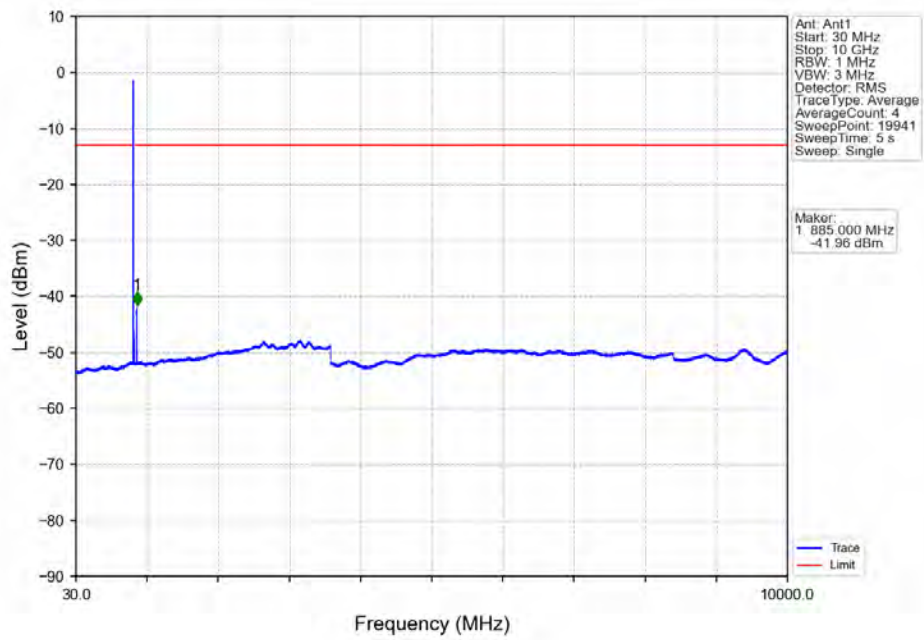


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

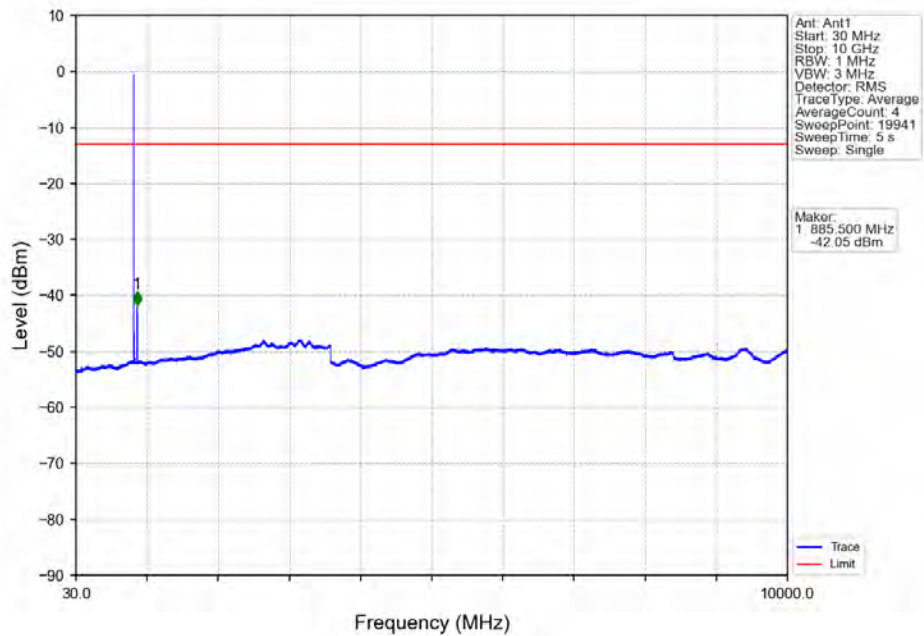


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.970	-58.10	-13	Pass
823	824	0.101	/	2	823.964	-53.61	-13	Pass
824	834	0.101	/	/	/	/	/	/

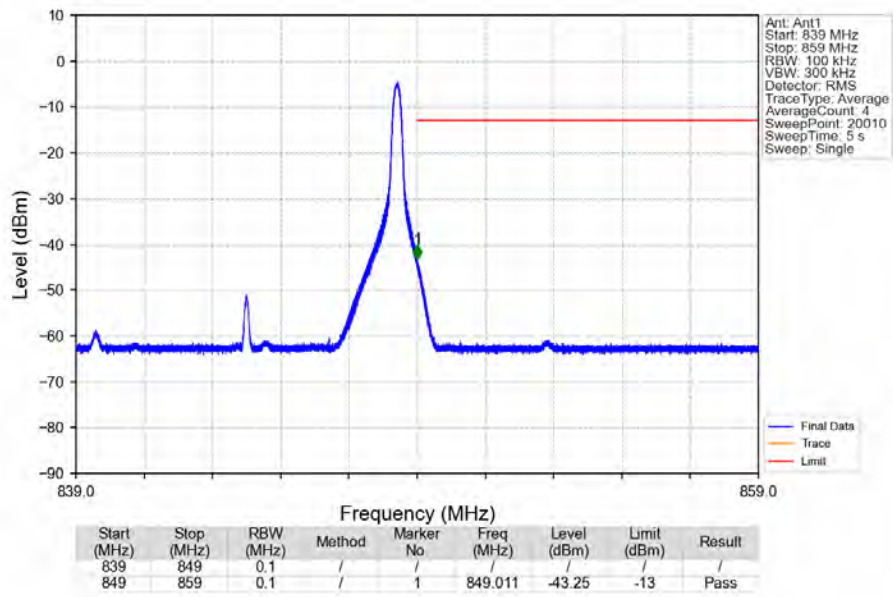
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



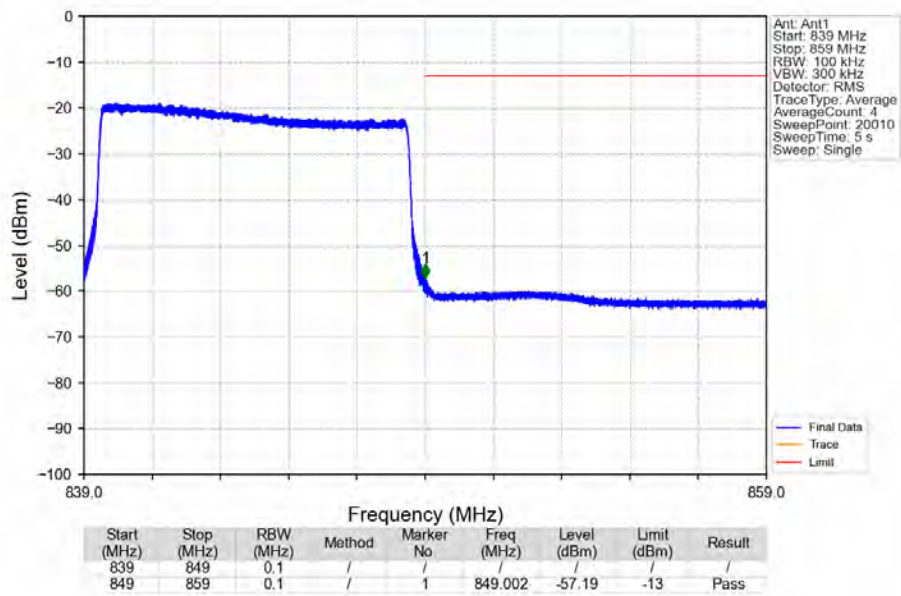
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



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	0.1706	0.0380	ppm	1M12G7D	22H	22.32
5	1.4	824.7	848.3	0.1409	0.0151	ppm	1M12W7D	22H	21.49
5	3	825.5	847.5	0.1722	0.0127	ppm	2M74G7D	22H	22.36
5	3	825.5	847.5	0.1503	0.0127	ppm	2M74W7D	22H	21.77
5	5	826.5	846.5	0.1710	0.0116	ppm	4M58G7D	22H	22.33
5	5	826.5	846.5	0.1406	0.0086	ppm	4M59W7D	22H	21.48
5	10	829	844	0.1694	0.0075	ppm	9M09G7D	22H	22.29
5	10	829	844	0.1517	0.0058	ppm	9M09W7D	22H	21.81

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	0.0877	0.0380	ppm	1M12G7D	22H	19.43
5	1.4	824.7	848.3	0.0724	0.0151	ppm	1M12W7D	22H	18.60
5	3	825.5	847.5	0.0885	0.0127	ppm	2M74G7D	22H	19.47
5	3	825.5	847.5	0.0773	0.0127	ppm	2M74W7D	22H	18.88
5	5	826.5	846.5	0.0879	0.0116	ppm	4M58G7D	22H	19.44
5	5	826.5	846.5	0.0723	0.0086	ppm	4M59W7D	22H	18.59
5	10	829	844	0.0871	0.0075	ppm	9M09G7D	22H	19.40
5	10	829	844	0.0780	0.0058	ppm	9M09W7D	22H	18.92