

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

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	23.04	-0.20	20.69	<=38.45	Pass
			2	23.34	-0.20	20.99	<=38.45	Pass
			5	23.76	-0.20	21.41	<=38.45	Pass
		3	0	22.17	-0.20	19.82	<=38.45	Pass
			2	22.11	-0.20	19.76	<=38.45	Pass
			3	22.10	-0.20	19.75	<=38.45	Pass
		6	0	22.11	-0.20	19.76	<=38.45	Pass
	836.5	1	0	23.35	-0.20	21.00	<=38.45	Pass
			2	23.38	-0.20	21.03	<=38.45	Pass
			5	23.69	-0.20	21.34	<=38.45	Pass
		3	0	22.13	-0.20	19.78	<=38.45	Pass
			2	22.34	-0.20	19.99	<=38.45	Pass
			3	22.09	-0.20	19.74	<=38.45	Pass
		6	0	22.01	-0.20	19.66	<=38.45	Pass
	848.3	1	0	23.84	-0.20	21.49	<=38.45	Pass
			2	23.85	-0.20	21.50	<=38.45	Pass
			5	23.53	-0.20	21.18	<=38.45	Pass
		3	0	22.43	-0.20	20.08	<=38.45	Pass
			2	22.39	-0.20	20.04	<=38.45	Pass
			3	22.36	-0.20	20.01	<=38.45	Pass
		6	0	22.26	-0.20	19.91	<=38.45	Pass
16QAM	824.7	1	0	22.25	-0.20	19.90	<=38.45	Pass
			2	22.30	-0.20	19.95	<=38.45	Pass
			5	22.25	-0.20	19.90	<=38.45	Pass
		3	0	21.55	-0.20	19.20	<=38.45	Pass
			2	21.33	-0.20	18.98	<=38.45	Pass
			3	21.43	-0.20	19.08	<=38.45	Pass
		6	0	21.54	-0.20	19.19	<=38.45	Pass
	836.5	1	0	22.34	-0.20	19.99	<=38.45	Pass
			2	22.40	-0.20	20.05	<=38.45	Pass
			5	22.09	-0.20	19.74	<=38.45	Pass
		3	0	21.54	-0.20	19.19	<=38.45	Pass
			2	21.51	-0.20	19.16	<=38.45	Pass
			3	21.55	-0.20	19.20	<=38.45	Pass
		6	0	21.43	-0.20	19.08	<=38.45	Pass
	848.3	1	0	22.25	-0.20	19.90	<=38.45	Pass
			2	22.26	-0.20	19.91	<=38.45	Pass
			5	22.08	-0.20	19.73	<=38.45	Pass
		3	0	21.53	-0.20	19.18	<=38.45	Pass
			2	21.45	-0.20	19.10	<=38.45	Pass
			3	21.50	-0.20	19.15	<=38.45	Pass
		6	0	21.19	-0.20	18.84	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

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	23.03	-0.20	20.68	<=38.45	Pass
			7	23.62	-0.20	21.27	<=38.45	Pass
			14	23.09	-0.20	20.74	<=38.45	Pass
		8	0	22.32	-0.20	19.97	<=38.45	Pass
			4	22.36	-0.20	20.01	<=38.45	Pass
			7	22.37	-0.20	20.02	<=38.45	Pass
		15	0	22.35	-0.20	20.00	<=38.45	Pass
	836.5	1	0	23.47	-0.20	21.12	<=38.45	Pass
			7	23.66	-0.20	21.31	<=38.45	Pass
			14	23.16	-0.20	20.81	<=38.45	Pass
		8	0	22.26	-0.20	19.91	<=38.45	Pass
			4	22.35	-0.20	20.00	<=38.45	Pass
			7	22.07	-0.20	19.72	<=38.45	Pass
		15	0	22.31	-0.20	19.96	<=38.45	Pass
	847.5	1	0	23.24	-0.20	20.89	<=38.45	Pass
			7	23.39	-0.20	21.04	<=38.45	Pass
			14	23.75	-0.20	21.40	<=38.45	Pass
		8	0	22.23	-0.20	19.88	<=38.45	Pass
			4	22.41	-0.20	20.06	<=38.45	Pass
			7	22.14	-0.20	19.79	<=38.45	Pass
		15	0	22.31	-0.20	19.96	<=38.45	Pass
16QAM	825.5	1	0	22.06	-0.20	19.71	<=38.45	Pass
			7	22.34	-0.20	19.99	<=38.45	Pass
			14	22.41	-0.20	20.06	<=38.45	Pass
		8	0	21.18	-0.20	18.83	<=38.45	Pass
			4	21.35	-0.20	19.00	<=38.45	Pass
			7	21.17	-0.20	18.82	<=38.45	Pass
		15	0	21.26	-0.20	18.91	<=38.45	Pass
	836.5	1	0	22.25	-0.20	19.90	<=38.45	Pass
			7	22.42	-0.20	20.07	<=38.45	Pass
			14	22.27	-0.20	19.92	<=38.45	Pass
		8	0	21.41	-0.20	19.06	<=38.45	Pass
			4	21.29	-0.20	18.94	<=38.45	Pass
			7	21.16	-0.20	18.81	<=38.45	Pass
		15	0	21.27	-0.20	18.92	<=38.45	Pass
	847.5	1	0	22.06	-0.20	19.71	<=38.45	Pass
			7	22.24	-0.20	19.89	<=38.45	Pass
			14	22.36	-0.20	20.01	<=38.45	Pass
		8	0	21.27	-0.20	18.92	<=38.45	Pass
			4	21.42	-0.20	19.07	<=38.45	Pass
			7	21.51	-0.20	19.16	<=38.45	Pass
		15	0	21.41	-0.20	19.06	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

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	23.57	-0.20	21.22	<=38.45	Pass
			13	23.15	-0.20	20.80	<=38.45	Pass
			24	23.13	-0.20	20.78	<=38.45	Pass
		12	0	22.06	-0.20	19.71	<=38.45	Pass
			6	22.01	-0.20	19.66	<=38.45	Pass

			13	22.35	-0.20	20.00	<=38.45	Pass
		25	0	22.23	-0.20	19.88	<=38.45	Pass
	836.5	1	0	23.20	-0.20	20.85	<=38.45	Pass
			13	23.53	-0.20	21.18	<=38.45	Pass
			24	23.40	-0.20	21.05	<=38.45	Pass
		12	0	22.12	-0.20	19.77	<=38.45	Pass
			6	22.39	-0.20	20.04	<=38.45	Pass
			13	22.26	-0.20	19.91	<=38.45	Pass
		25	0	22.08	-0.20	19.73	<=38.45	Pass
	846.5	1	0	23.67	-0.20	21.32	<=38.45	Pass
			13	23.59	-0.20	21.24	<=38.45	Pass
			24	23.62	-0.20	21.27	<=38.45	Pass
		12	0	22.17	-0.20	19.82	<=38.45	Pass
			6	22.37	-0.20	20.02	<=38.45	Pass
			13	22.23	-0.20	19.88	<=38.45	Pass
		25	0	22.22	-0.20	19.87	<=38.45	Pass
16QAM	826.5	1	0	22.04	-0.20	19.69	<=38.45	Pass
			13	22.03	-0.20	19.68	<=38.45	Pass
			24	22.22	-0.20	19.87	<=38.45	Pass
		12	0	21.16	-0.20	18.81	<=38.45	Pass
			6	21.15	-0.20	18.80	<=38.45	Pass
			13	21.26	-0.20	18.91	<=38.45	Pass
		25	0	21.48	-0.20	19.13	<=38.45	Pass
	836.5	1	0	22.12	-0.20	19.77	<=38.45	Pass
			13	22.04	-0.20	19.69	<=38.45	Pass
			24	22.37	-0.20	20.02	<=38.45	Pass
		12	0	21.39	-0.20	19.04	<=38.45	Pass
			6	21.19	-0.20	18.84	<=38.45	Pass
			13	21.21	-0.20	18.86	<=38.45	Pass
		25	0	21.46	-0.20	19.11	<=38.45	Pass
	846.5	1	0	22.27	-0.20	19.92	<=38.45	Pass
			13	22.29	-0.20	19.94	<=38.45	Pass
			24	22.29	-0.20	19.94	<=38.45	Pass
		12	0	21.33	-0.20	18.98	<=38.45	Pass
			6	21.24	-0.20	18.89	<=38.45	Pass
			13	21.45	-0.20	19.10	<=38.45	Pass
		25	0	21.21	-0.20	18.86	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

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	23.83	-0.20	21.48	<=38.45	Pass
			25	23.19	-0.20	20.84	<=38.45	Pass
			49	23.74	-0.20	21.39	<=38.45	Pass
		25	0	22.38	-0.20	20.03	<=38.45	Pass
			13	22.18	-0.20	19.83	<=38.45	Pass
			25	22.35	-0.20	20.00	<=38.45	Pass
		50	0	22.29	-0.20	19.94	<=38.45	Pass
	836.5	1	0	23.75	-0.20	21.40	<=38.45	Pass
			25	23.73	-0.20	21.38	<=38.45	Pass
			49	23.75	-0.20	21.40	<=38.45	Pass
		25	0	22.24	-0.20	19.89	<=38.45	Pass
			13	22.33	-0.20	19.98	<=38.45	Pass
			25	22.10	-0.20	19.75	<=38.45	Pass
		50	0	22.41	-0.20	20.06	<=38.45	Pass

16QAM	844	1	0	23.54	-0.20	21.19	<=38.45	Pass
			25	23.59	-0.20	21.24	<=38.45	Pass
			49	23.19	-0.20	20.84	<=38.45	Pass
		25	0	22.11	-0.20	19.76	<=38.45	Pass
			13	22.07	-0.20	19.72	<=38.45	Pass
			25	22.45	-0.20	20.10	<=38.45	Pass
		50	0	22.42	-0.20	20.07	<=38.45	Pass
	829	1	0	22.44	-0.20	20.09	<=38.45	Pass
			25	22.33	-0.20	19.98	<=38.45	Pass
			49	22.12	-0.20	19.77	<=38.45	Pass
		25	0	21.46	-0.20	19.11	<=38.45	Pass
			13	21.41	-0.20	19.06	<=38.45	Pass
			25	21.23	-0.20	18.88	<=38.45	Pass
		50	0	21.27	-0.20	18.92	<=38.45	Pass
	836.5	1	0	22.26	-0.20	19.91	<=38.45	Pass
			25	22.01	-0.20	19.66	<=38.45	Pass
			49	22.28	-0.20	19.93	<=38.45	Pass
		25	0	21.48	-0.20	19.13	<=38.45	Pass
			13	21.36	-0.20	19.01	<=38.45	Pass
			25	21.21	-0.20	18.86	<=38.45	Pass
		50	0	21.52	-0.20	19.17	<=38.45	Pass
	844	1	0	22.22	-0.20	19.87	<=38.45	Pass
			25	22.41	-0.20	20.06	<=38.45	Pass
			49	22.39	-0.20	20.04	<=38.45	Pass
		25	0	21.38	-0.20	19.03	<=38.45	Pass
			13	21.53	-0.20	19.18	<=38.45	Pass
			25	21.37	-0.20	19.02	<=38.45	Pass
		50	0	21.54	-0.20	19.19	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

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	-4.520	-0.0055	-2.5 to 2.5	Pass
					3.85	1.245	0.0015	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	3.376	0.0041	-2.5 to 2.5	Pass
				0	3.85	4.807	0.0058	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0060	-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	2.575	0.0031	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	1.531	0.0018	-2.5 to 2.5	Pass

				0	3.85	2.789	0.0033	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
				50	3.85	5.264	0.0063	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-4.048	-0.0048	-2.5 to 2.5	Pass
					3.85	4.935	0.0058	-2.5 to 2.5	Pass
					4.43	0.401	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				30	3.85	2.718	0.0032	-2.5 to 2.5	Pass
				40	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-1.016	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	4.363	0.0053	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				10	3.85	2.890	0.0035	-2.5 to 2.5	Pass
				30	3.85	4.535	0.0055	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	3.85	5.980	0.0073	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-1.574	-0.0019	-2.5 to 2.5	Pass
					3.85	5.608	0.0067	-2.5 to 2.5	Pass
					4.43	3.662	0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.262	0.0039	-2.5 to 2.5	Pass
				-10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				10	3.85	4.606	0.0055	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.917	0.0023	-2.5 to 2.5	Pass
				50	3.85	7.381	0.0088	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-1.116	-0.0013	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0053	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0023	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0036	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0054	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				40	3.85	5.121	0.0060	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

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	2.260	0.0027	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass

16QAM	836.5	15	0	-30	3.85	-3.877	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	4.592	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-5.593	-0.0068	-2.5 to 2.5	Pass
	847.5	15	0	50	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				20	3.27	-3.676	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
					4.43	5.779	0.0069	-2.5 to 2.5	Pass
				-30	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0047	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.904	0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass
				20	3.27	-0.973	-0.0011	-2.5 to 2.5	Pass
					3.85	5.493	0.0065	-2.5 to 2.5	Pass
					4.43	2.146	0.0025	-2.5 to 2.5	Pass
	825.5	15	0	-30	3.85	2.160	0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.801	0.0009	-2.5 to 2.5	Pass
				-10	3.85	5.836	0.0069	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				30	3.85	2.661	0.0031	-2.5 to 2.5	Pass
				40	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.390	0.0040	-2.5 to 2.5	Pass
				20	3.27	-4.334	-0.0053	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
					4.43	3.433	0.0042	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
	836.5	15	0	0	3.85	-5.794	-0.0070	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.931	0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
				20	3.27	-0.815	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	4.091	0.0049	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0024	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.230	-0.0015	-2.5 to 2.5	Pass
					3.85	4.592	0.0054	-2.5 to 2.5	Pass
					4.43	1.459	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.777	0.0045	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0045	-2.5 to 2.5	Pass
				-10	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				0	3.85	7.753	0.0091	-2.5 to 2.5	Pass

				10	3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
				30	3.85	4.978	0.0059	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0032	-2.5 to 2.5	Pass
				50	3.85	2.160	0.0025	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

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	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				0	3.85	3.691	0.0045	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
				40	3.85	1.860	0.0023	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0017	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	1.216	0.0015	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0059	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0066	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-3.119	-0.0037	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
					4.43	1.459	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	3.719	0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				30	3.85	3.419	0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.749	-0.0056	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-3.977	-0.0048	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
					4.43	3.076	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0017	-2.5 to 2.5	Pass
				10	3.85	3.304	0.0040	-2.5 to 2.5	Pass
				30	3.85	3.533	0.0043	-2.5 to 2.5	Pass
				40	3.85	-5.851	-0.0071	-2.5 to 2.5	Pass
				50	3.85	1.402	0.0017	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.302	-0.0016	-2.5 to 2.5	Pass
					3.85	3.061	0.0037	-2.5 to 2.5	Pass
					4.43	1.287	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass

				-20	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				40	3.85	1.717	0.0021	-2.5 to 2.5	Pass
				50	3.85	-3.848	-0.0046	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.114	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.533	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-5.322	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

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	0.243	0.0003	-2.5 to 2.5	Pass
					3.85	2.689	0.0032	-2.5 to 2.5	Pass
					4.43	0.558	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0024	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.104	0.0037	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.077	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-3.490	-0.0042	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.701	0.0008	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.429	-0.0005	-2.5 to 2.5	Pass

					3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
					4.43	1.574	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.405	0.0041	-2.5 to 2.5	Pass
				-20	3.85	2.847	0.0034	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0028	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				10	3.85	3.004	0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0025	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0003	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-1.788	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
					4.43	2.432	0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.674	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass
				40	3.85	2.847	0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.363	-0.0052	-2.5 to 2.5	Pass
					3.85	2.203	0.0026	-2.5 to 2.5	Pass
					4.43	1.345	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-1.802	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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 B5_3MHz

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

3.1.3 B5_5MHz

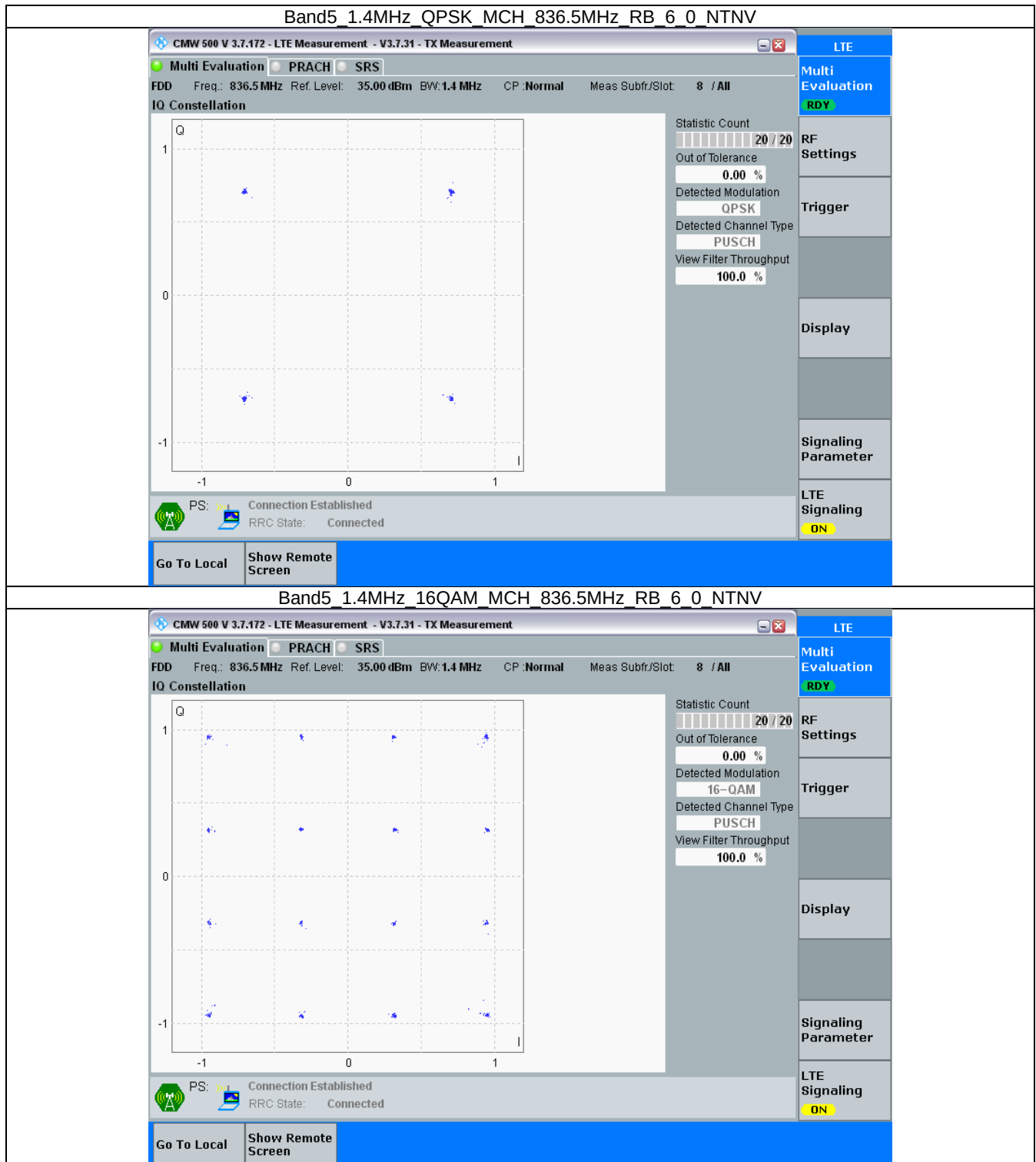
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

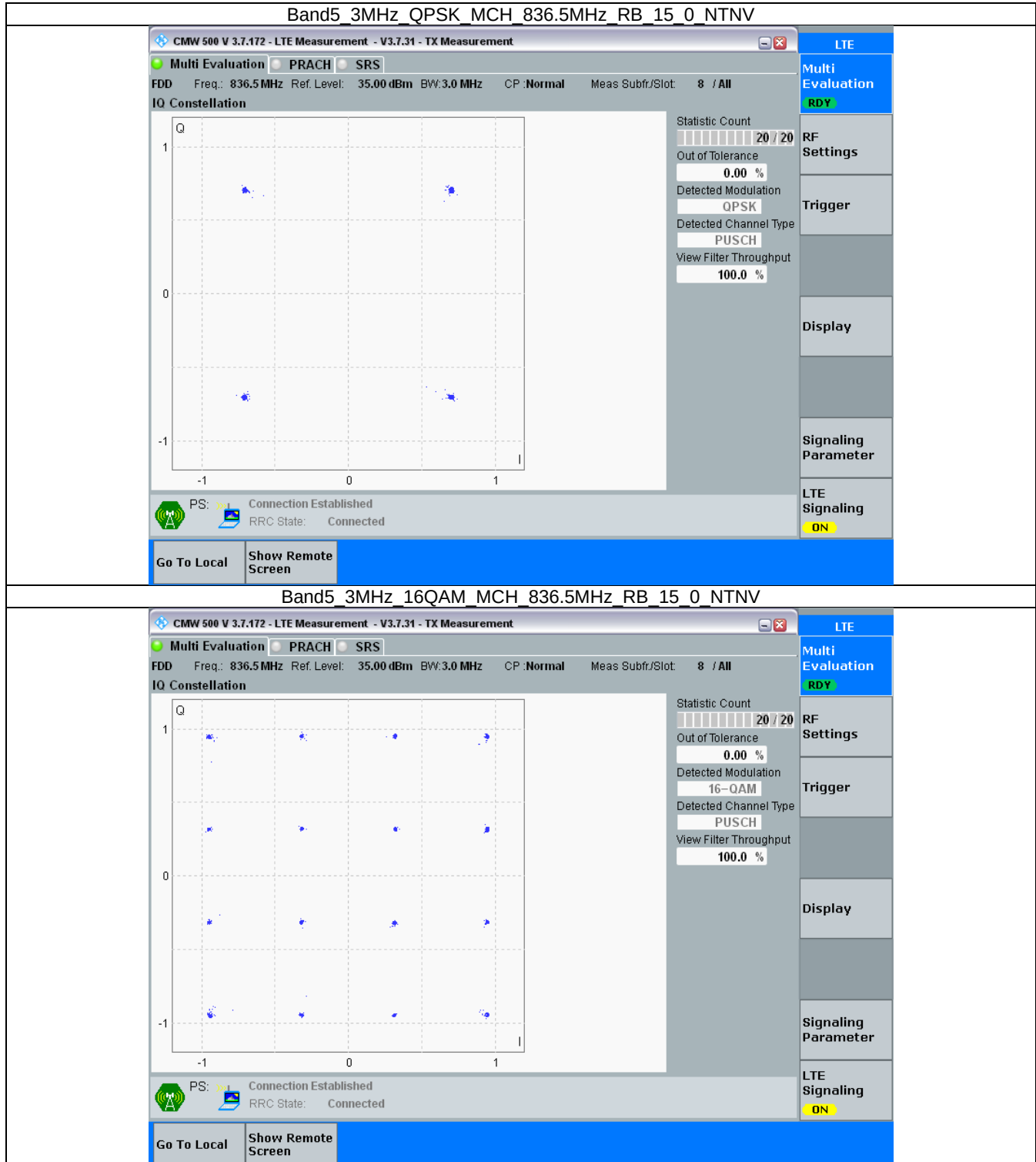
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

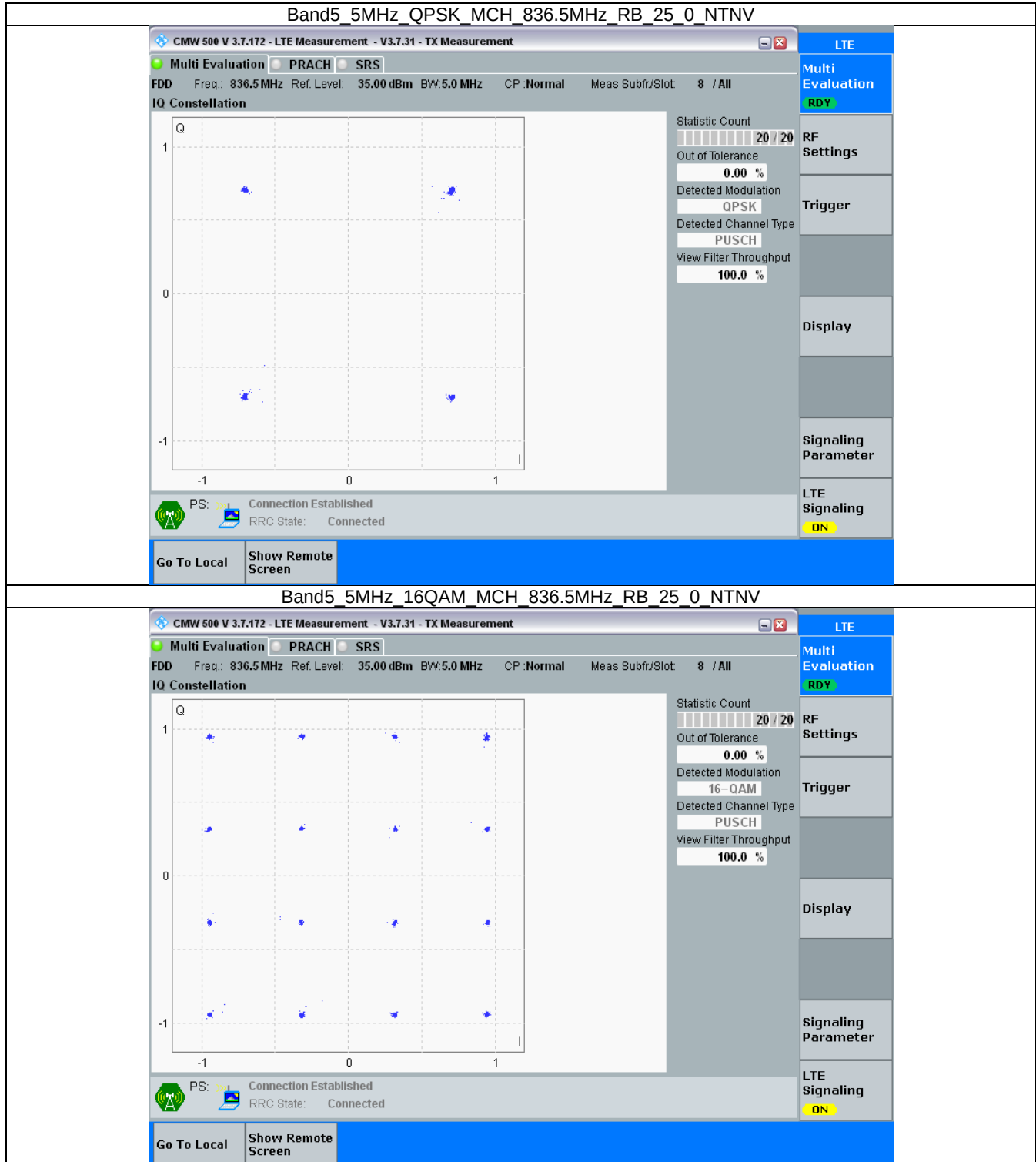
3.2.1 B5_1.4MHz



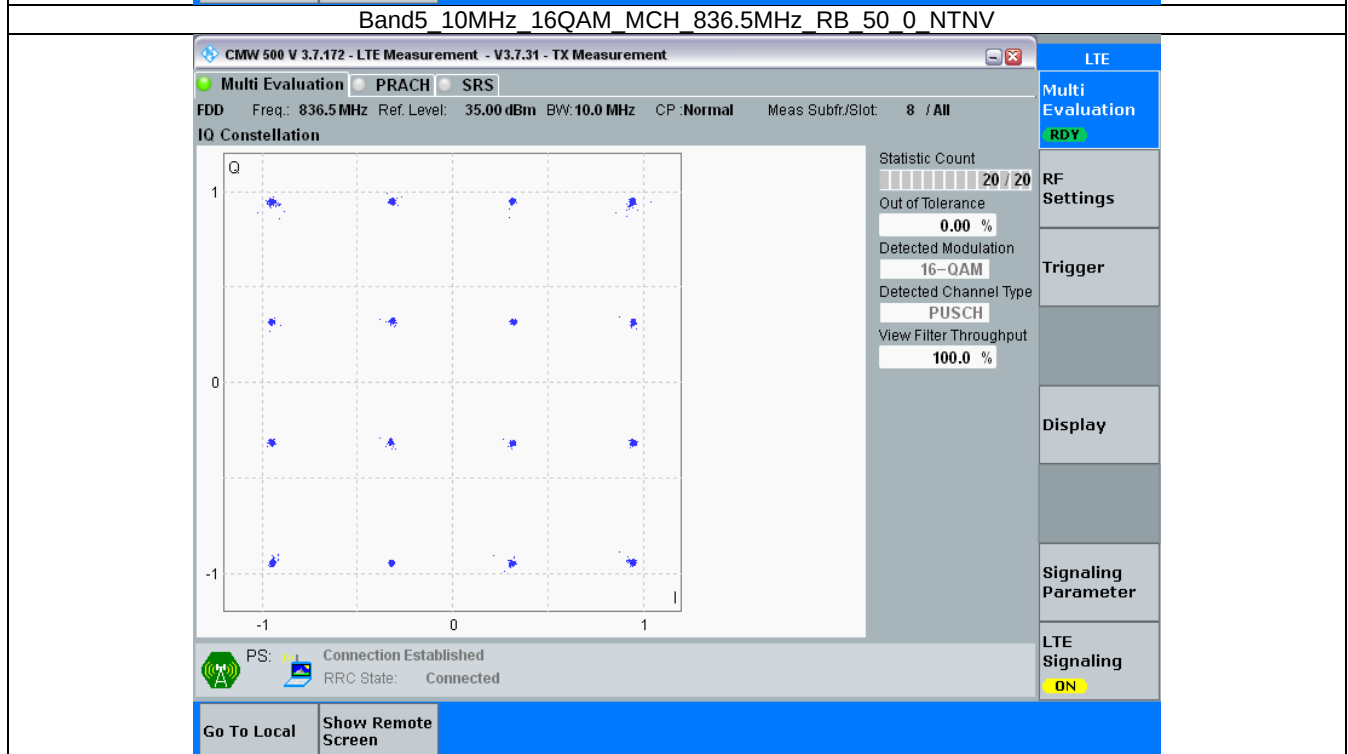
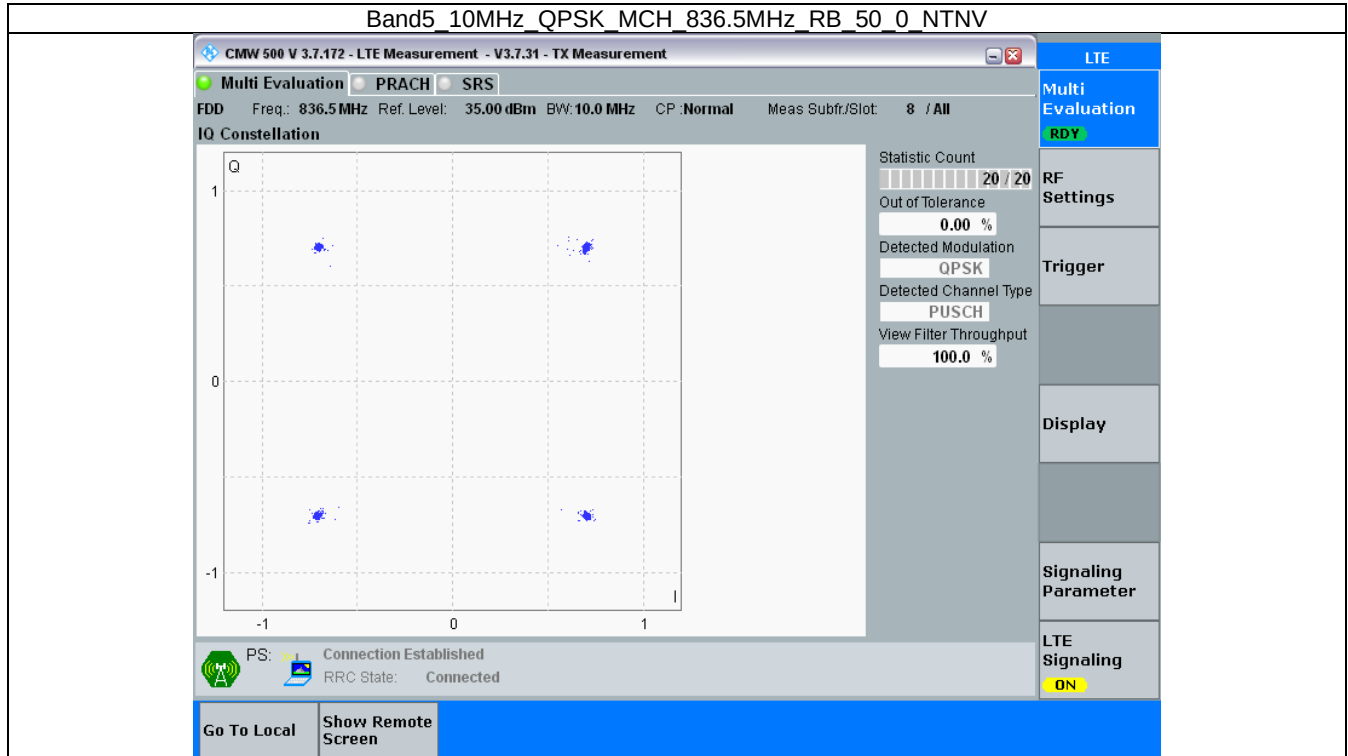
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

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	1.111	/	Pass
		836.5	6	0	1.104	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.110	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.116	/	Pass
3	QPSK	825.5	15	0	2.742	/	Pass
		836.5	15	0	2.735	/	Pass
		847.5	15	0	2.730	/	Pass
	16QAM	825.5	15	0	2.733	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.727	/	Pass
5	QPSK	826.5	25	0	4.556	/	Pass
		836.5	25	0	4.544	/	Pass
		846.5	25	0	4.541	/	Pass
	16QAM	826.5	25	0	4.532	/	Pass
		836.5	25	0	4.542	/	Pass
		846.5	25	0	4.556	/	Pass
10	QPSK	829	50	0	9.046	/	Pass
		836.5	50	0	9.077	/	Pass
		844	50	0	9.053	/	Pass
	16QAM	829	50	0	9.075	/	Pass
		836.5	50	0	9.063	/	Pass
		844	50	0	9.045	/	Pass

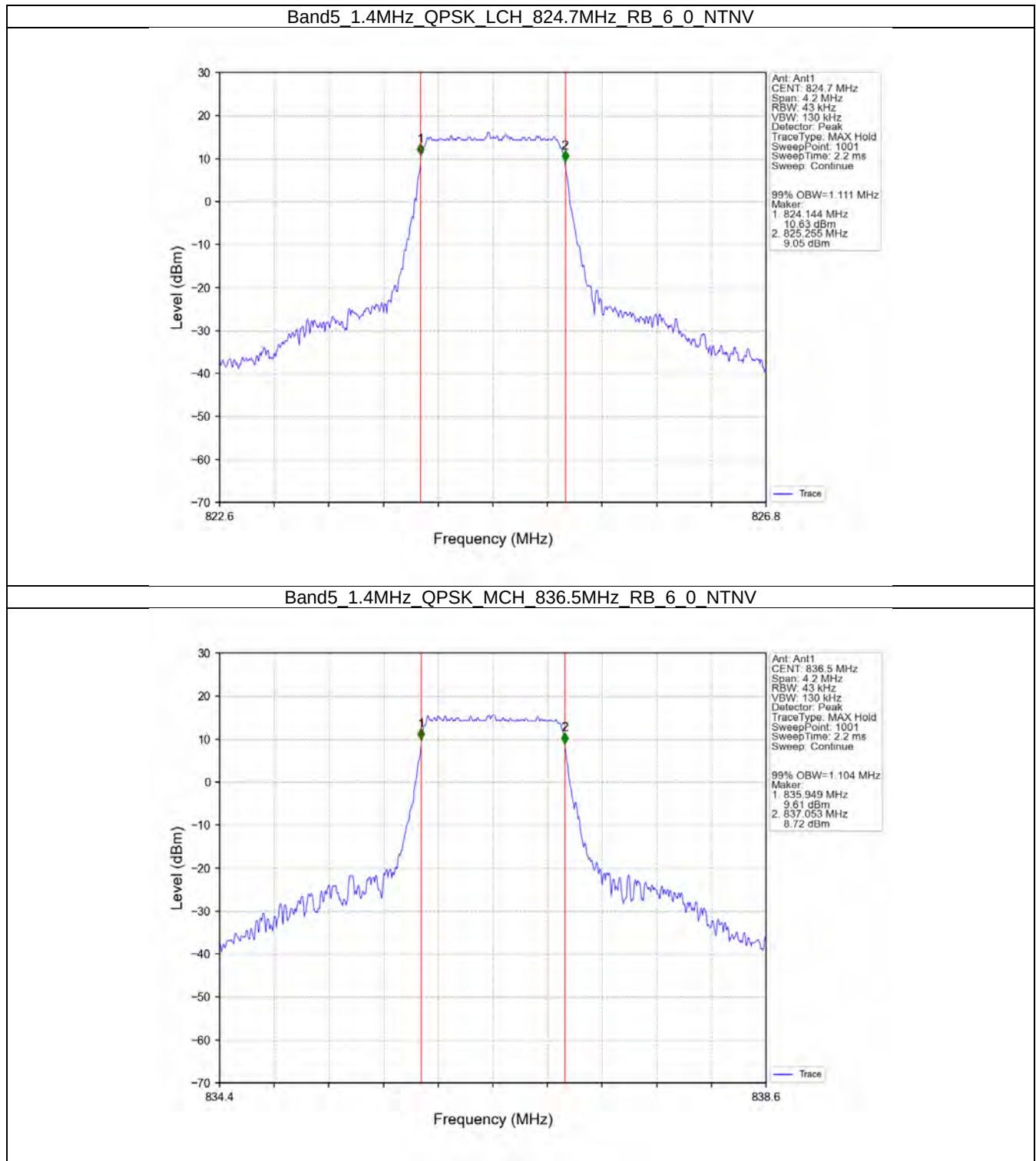
4.1.2 Band5_XDB

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	1.337	/	Pass
		848.3	6	0	1.333	/	Pass
	16QAM	824.7	6	0	1.328	/	Pass
		836.5	6	0	1.295	/	Pass
		848.3	6	0	1.330	/	Pass
3	QPSK	825.5	15	0	3.023	/	Pass
		836.5	15	0	3.034	/	Pass
		847.5	15	0	3.019	/	Pass
	16QAM	825.5	15	0	3.048	/	Pass
		836.5	15	0	3.019	/	Pass
		847.5	15	0	3.015	/	Pass
5	QPSK	826.5	25	0	5.037	/	Pass
		836.5	25	0	5.075	/	Pass
		846.5	25	0	5.091	/	Pass

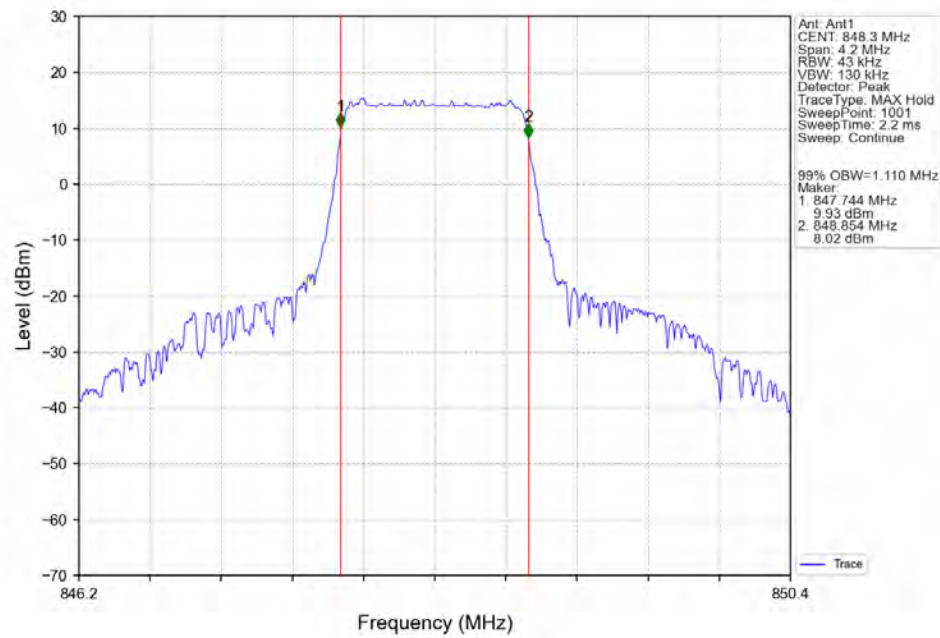
10	16QAM	826.5	25	0	5.086	/	Pass
		836.5	25	0	5.068	/	Pass
		846.5	25	0	5.073	/	Pass
	QPSK	829	50	0	10.033	/	Pass
		836.5	50	0	9.993	/	Pass
		844	50	0	9.953	/	Pass
	16QAM	829	50	0	9.888	/	Pass
		836.5	50	0	9.994	/	Pass
		844	50	0	9.885	/	Pass

4.2 Test Graph

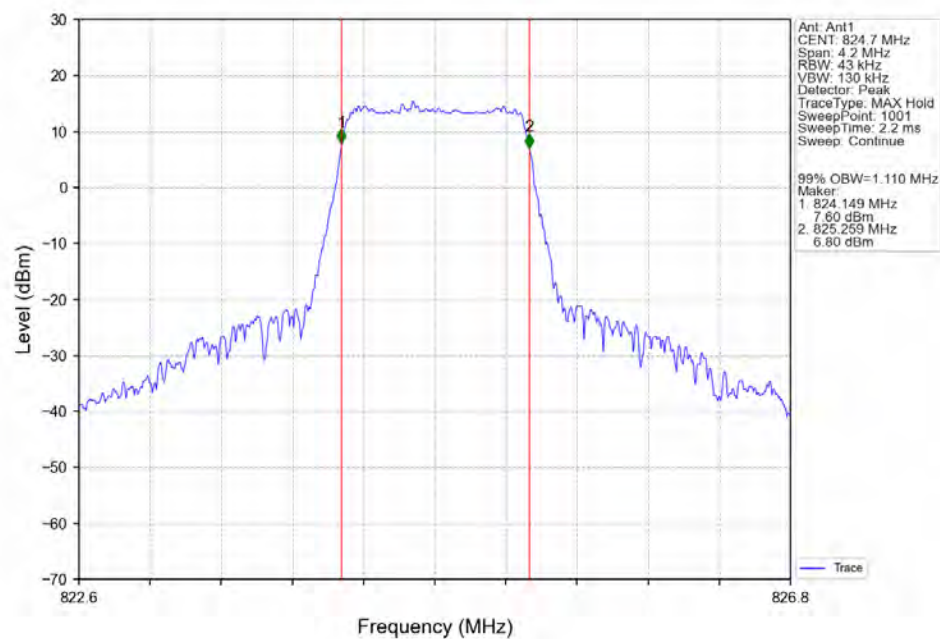
4.2.1 Band5_OBW



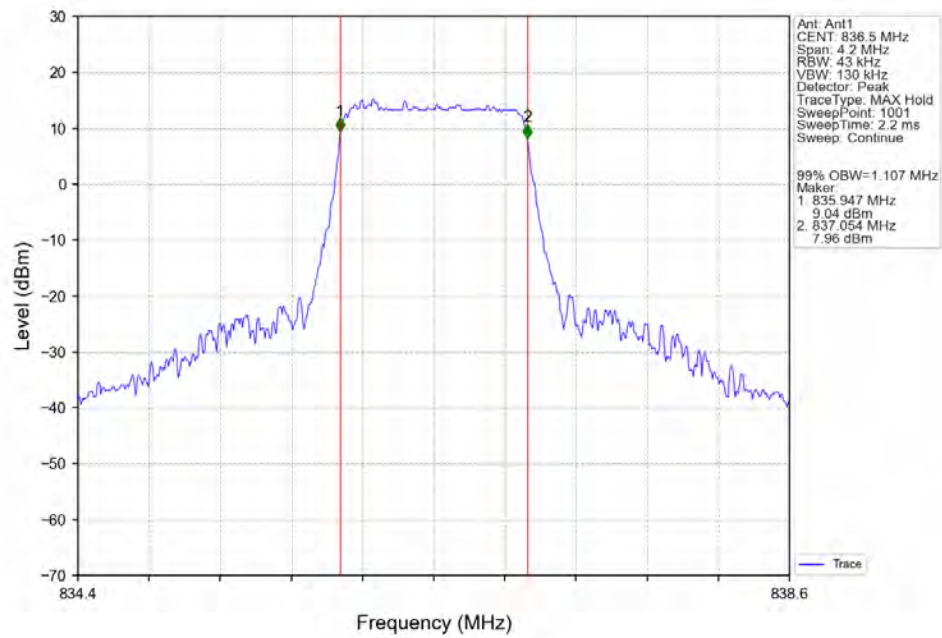
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



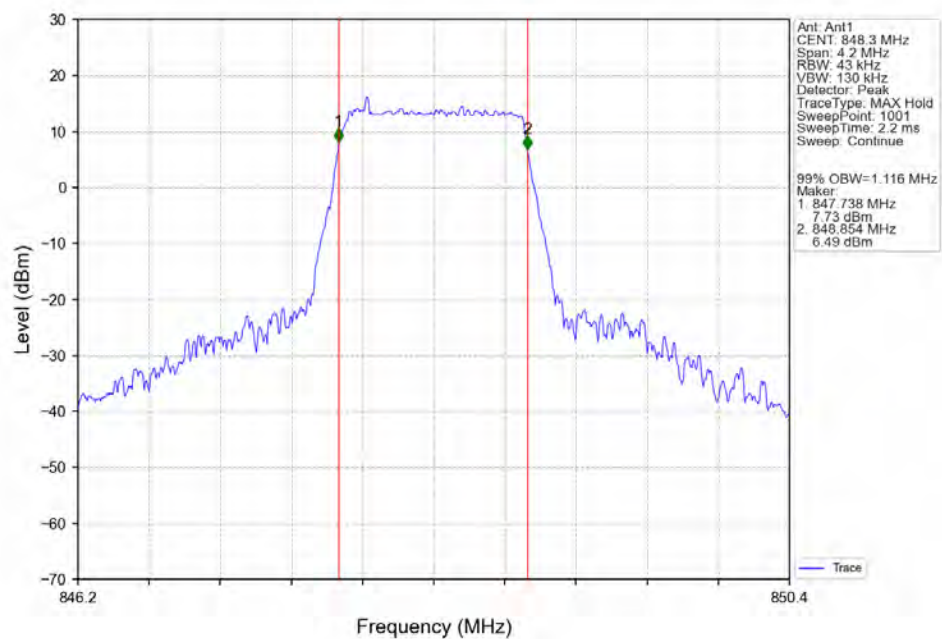
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



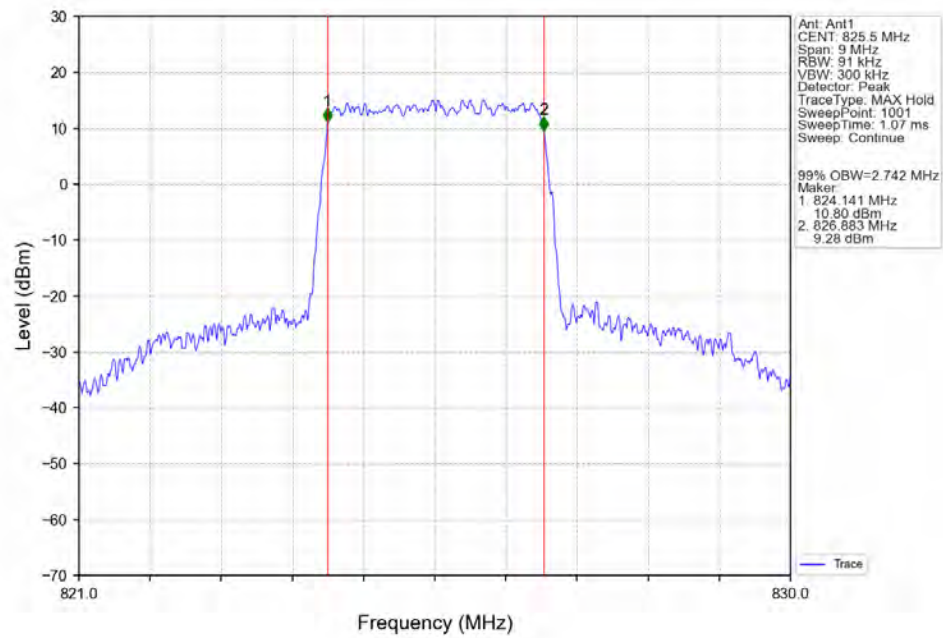
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



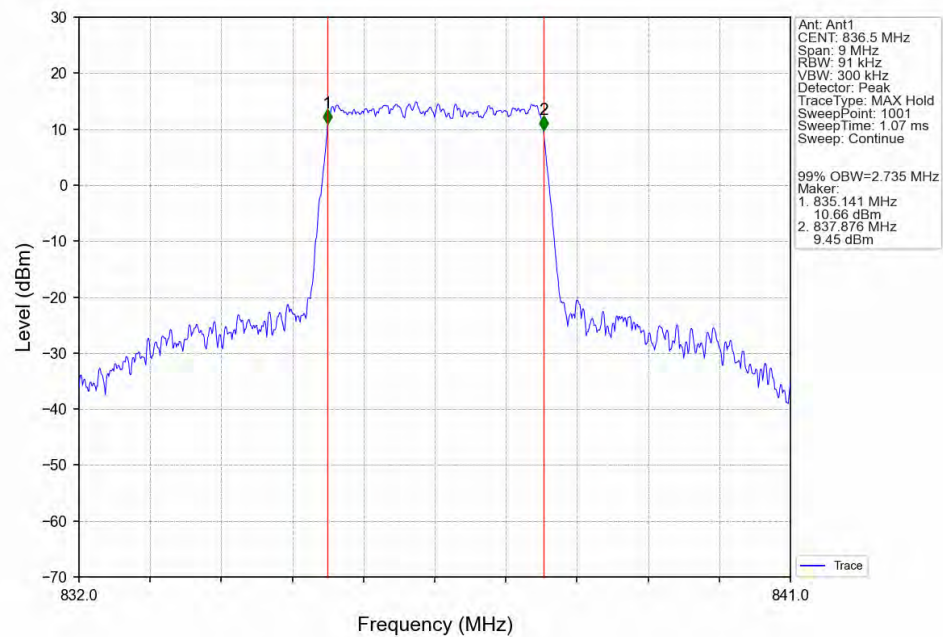
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



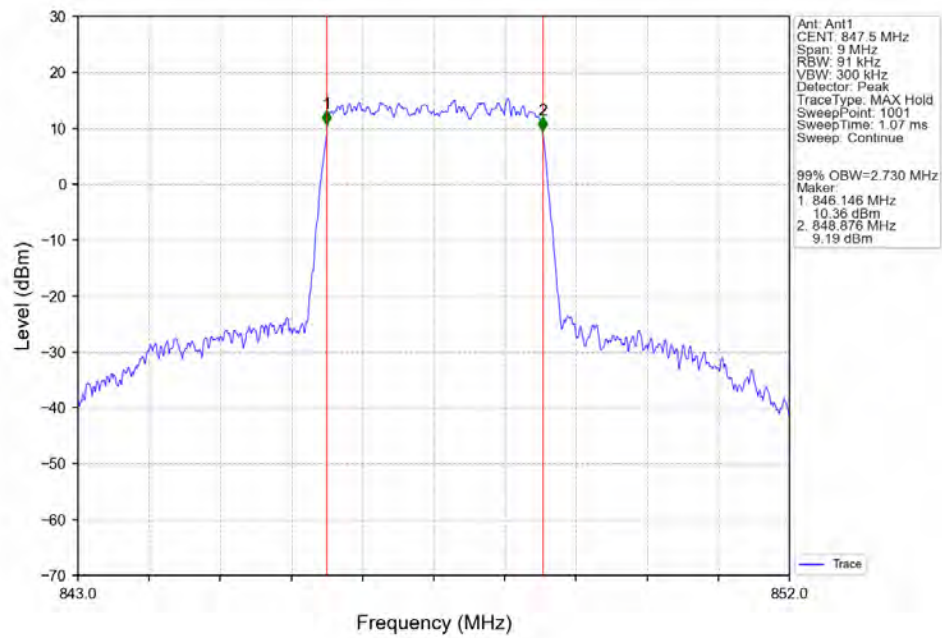
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



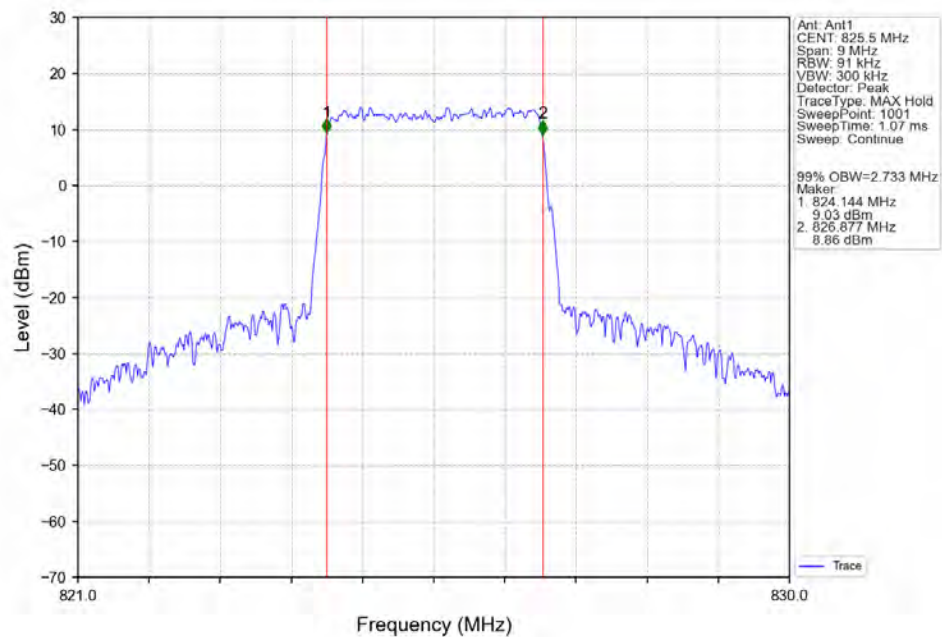
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



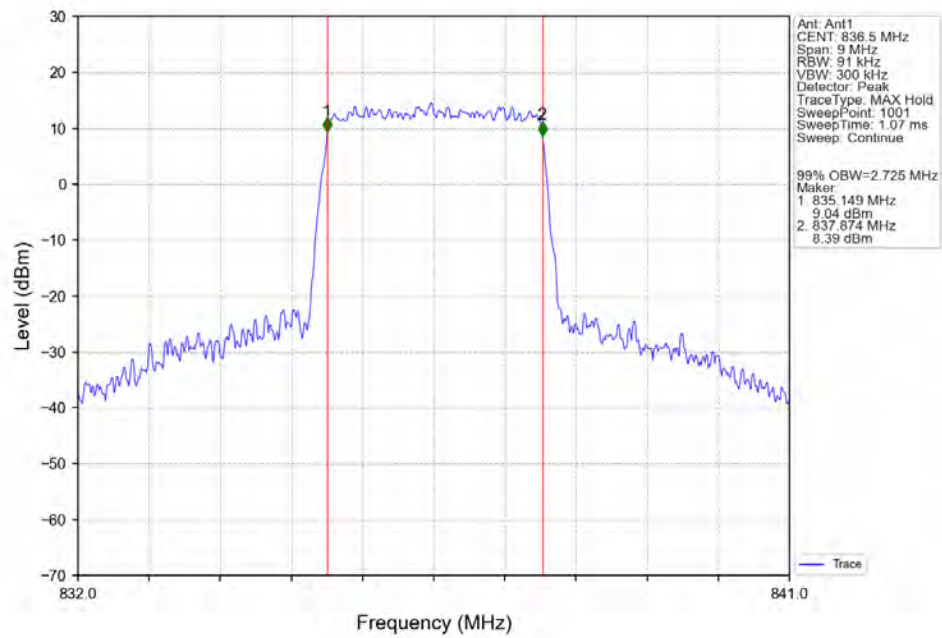
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



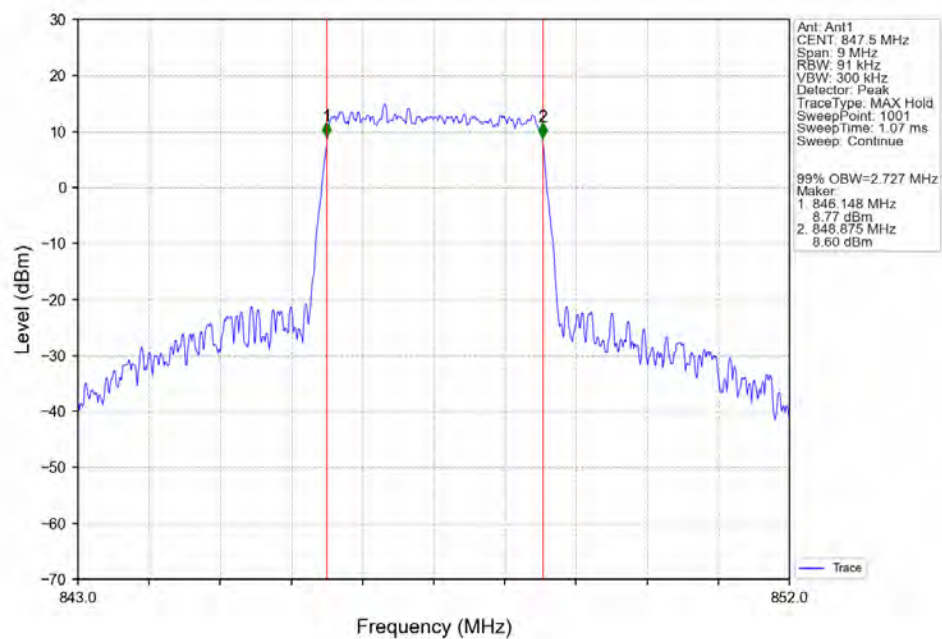
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



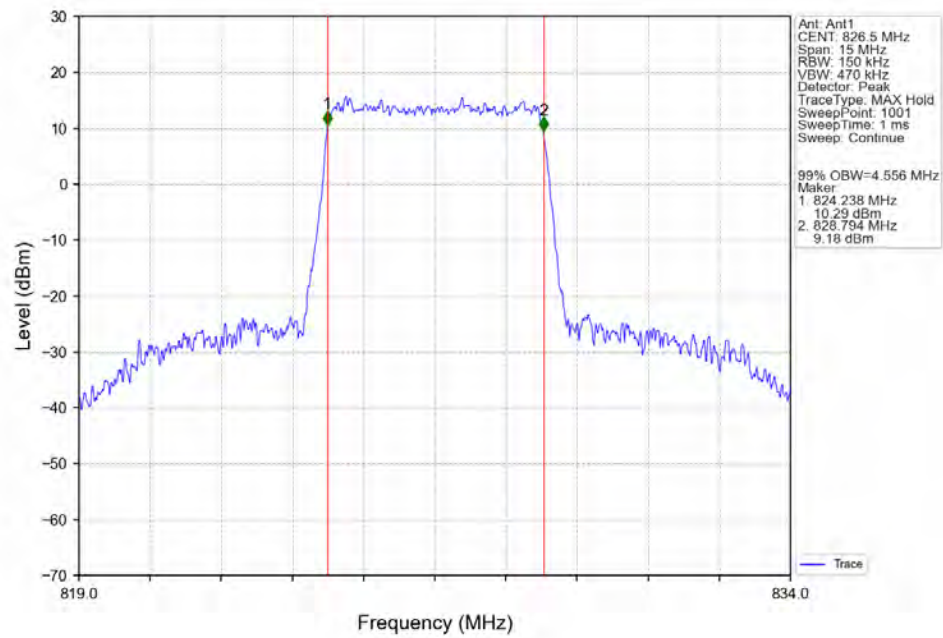
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



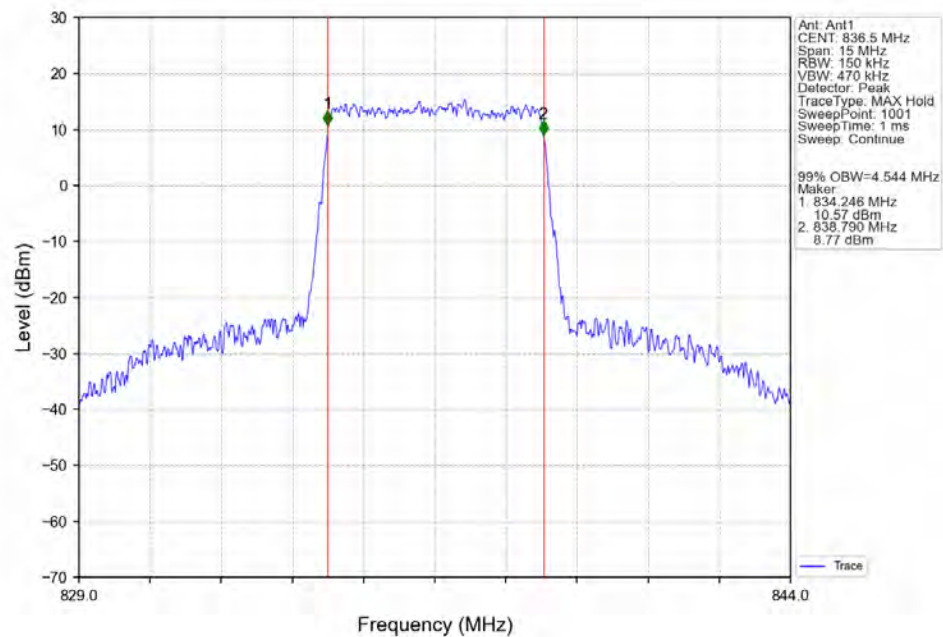
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



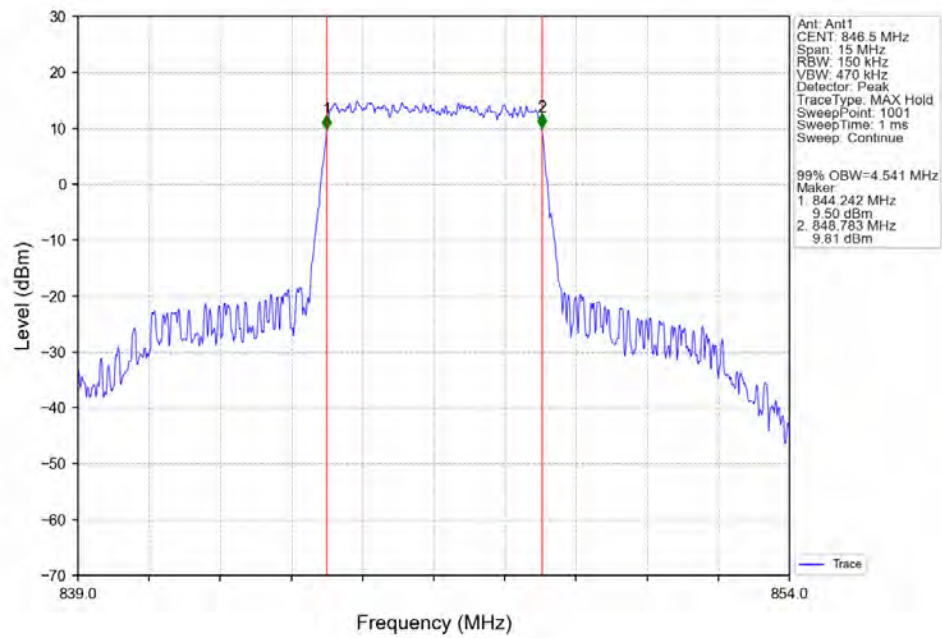
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



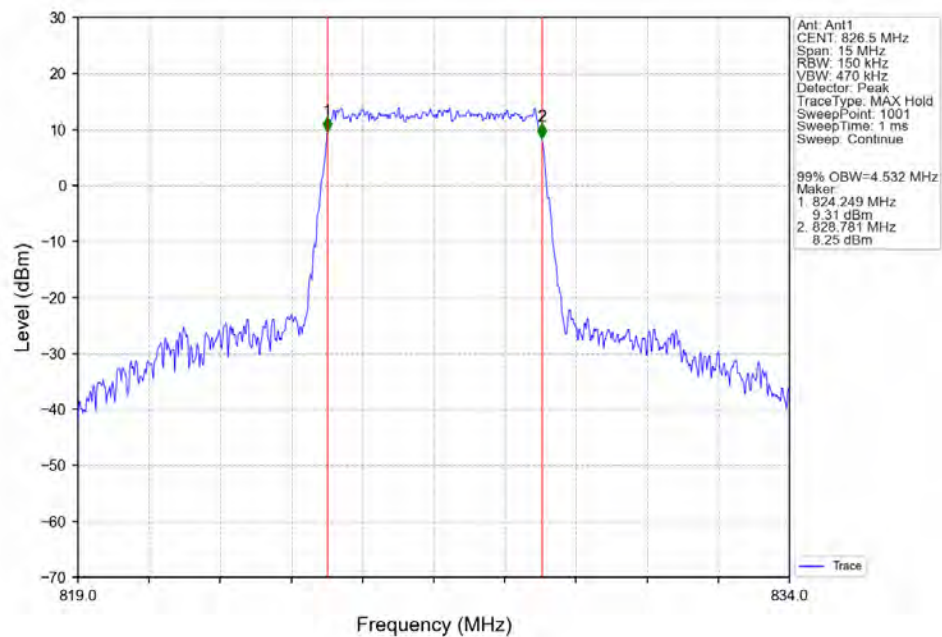
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



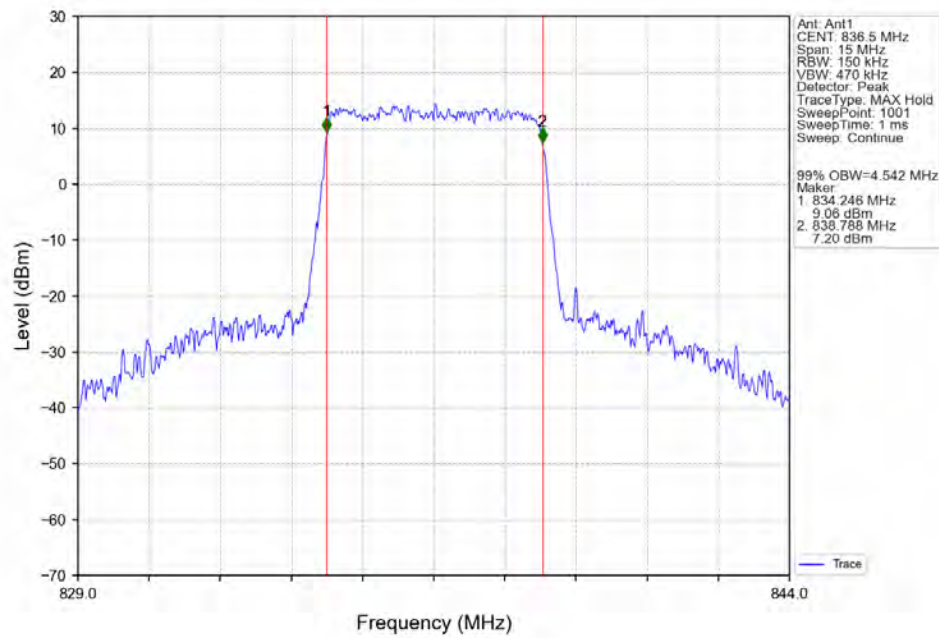
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



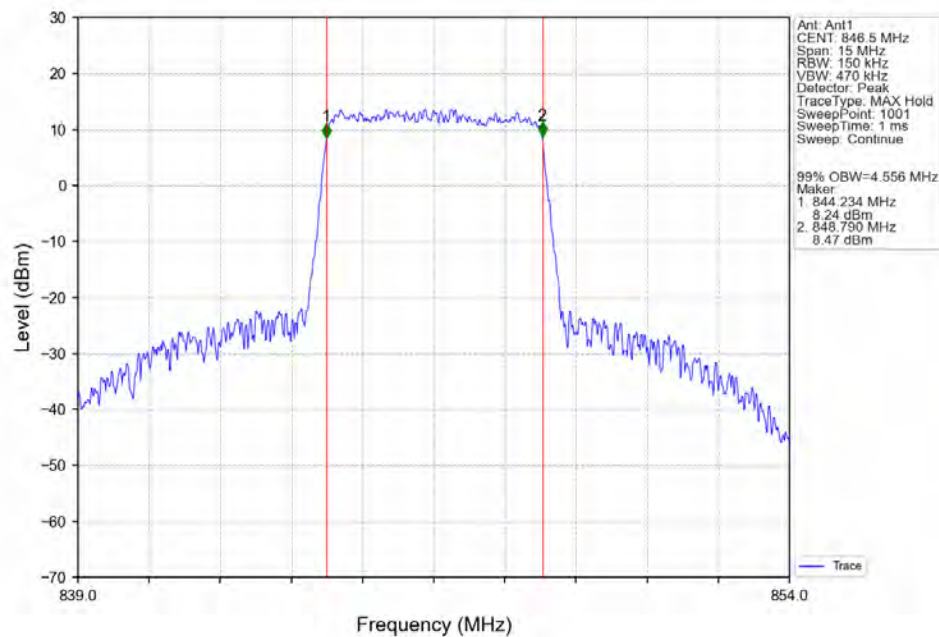
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



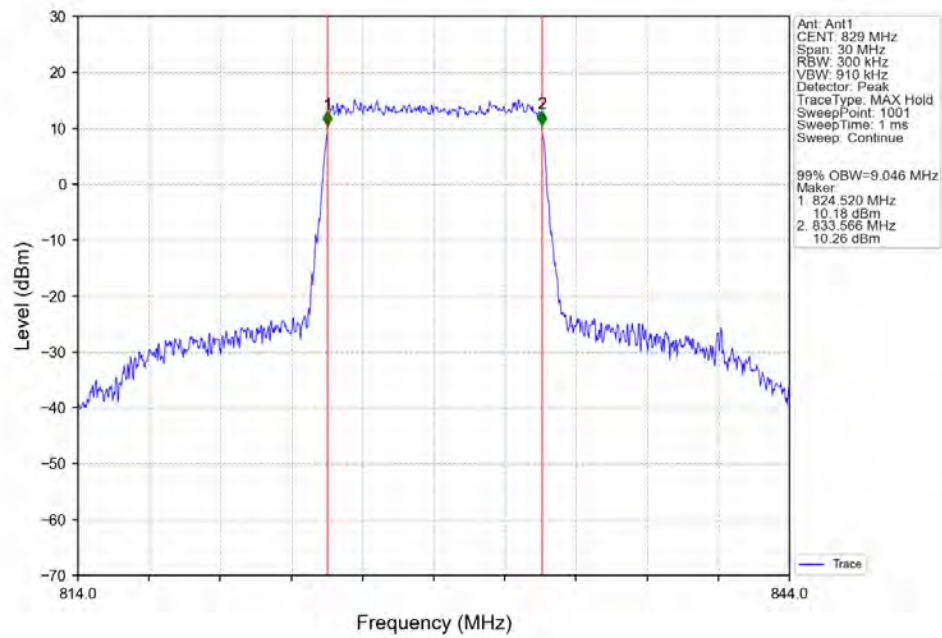
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



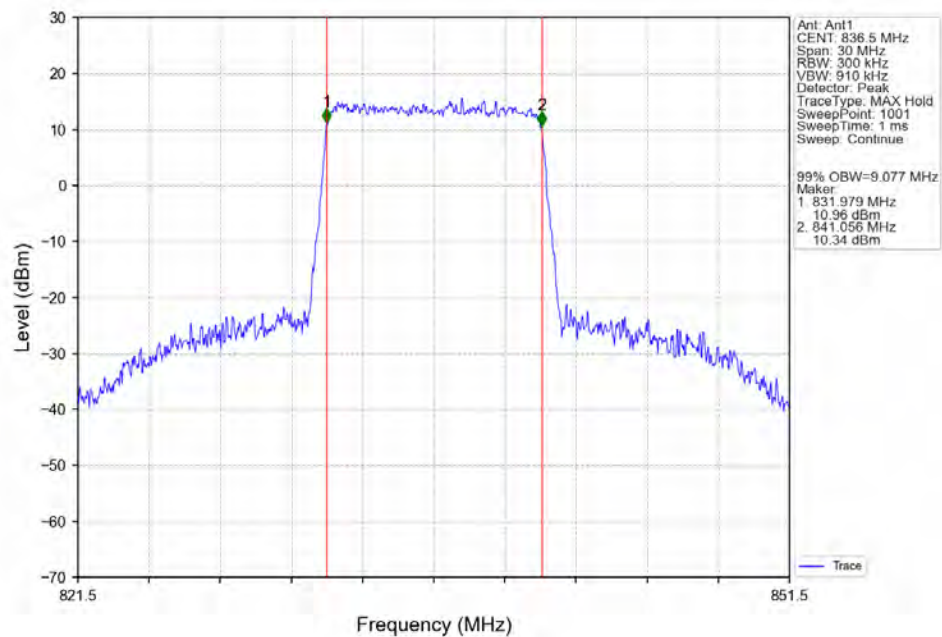
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



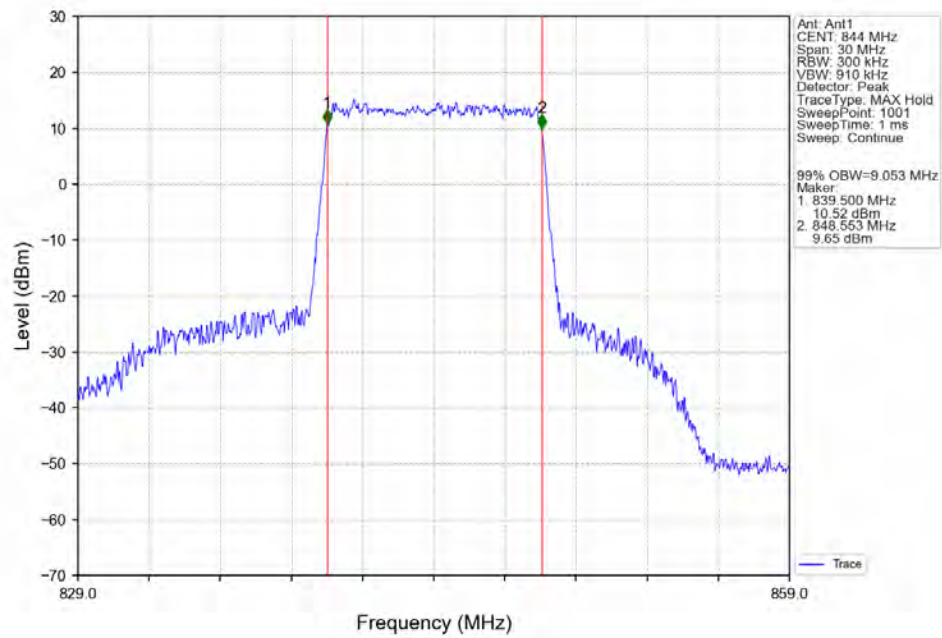
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



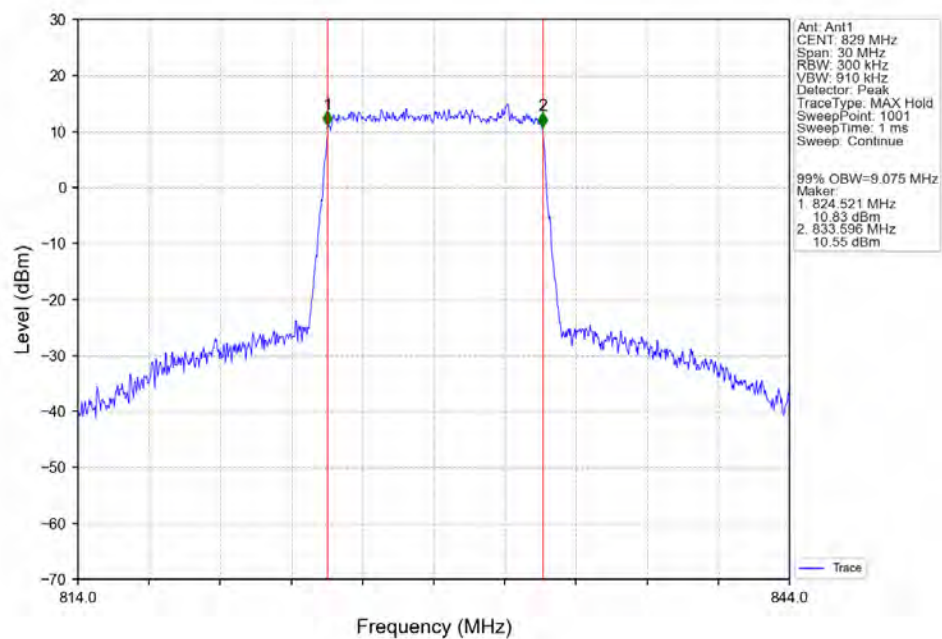
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



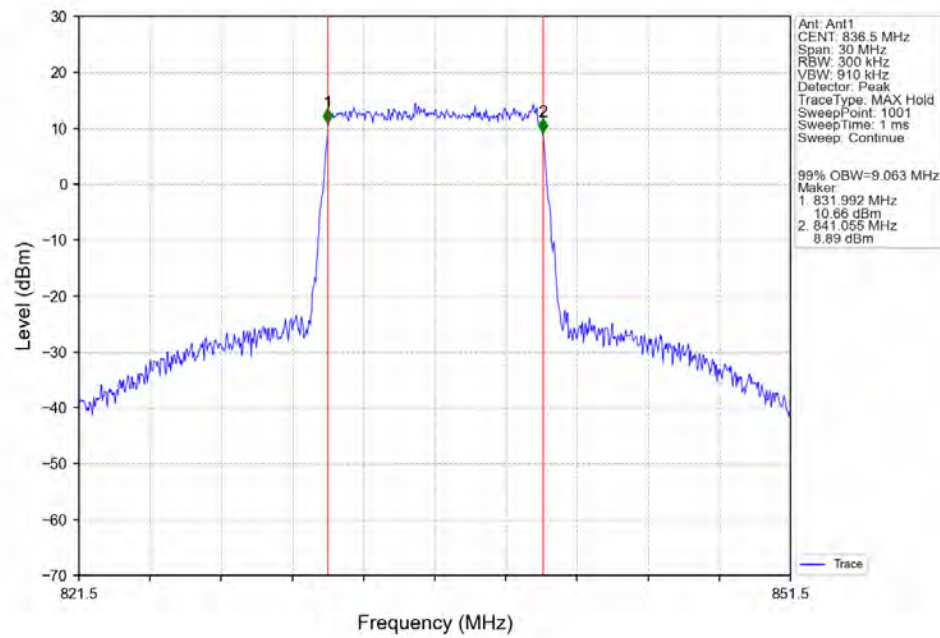
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



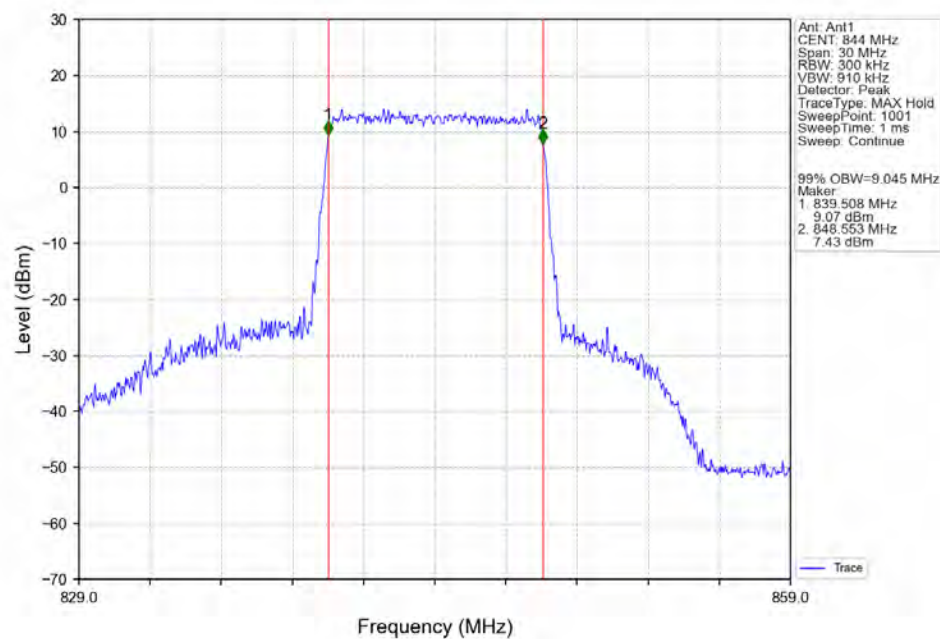
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

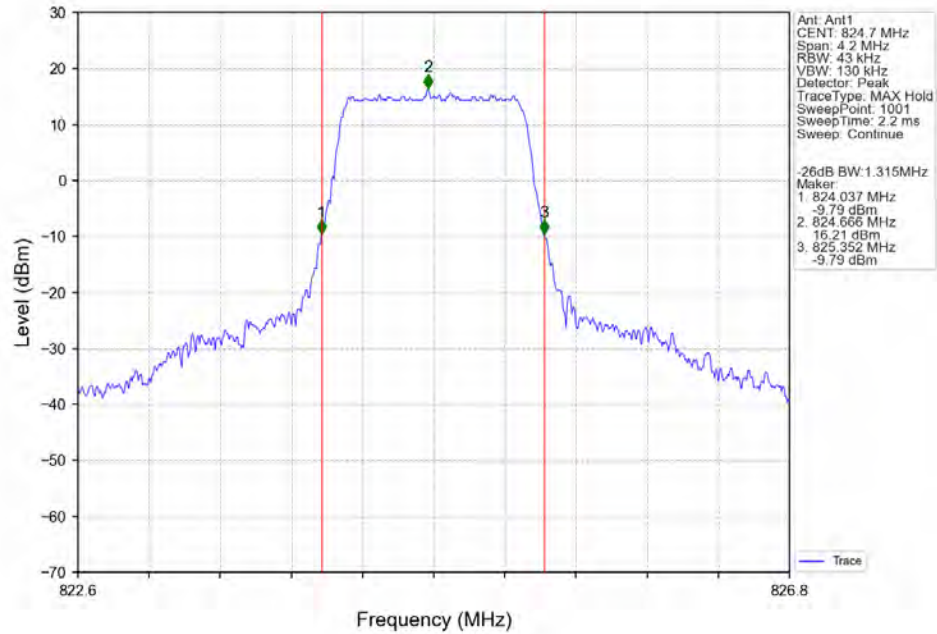


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

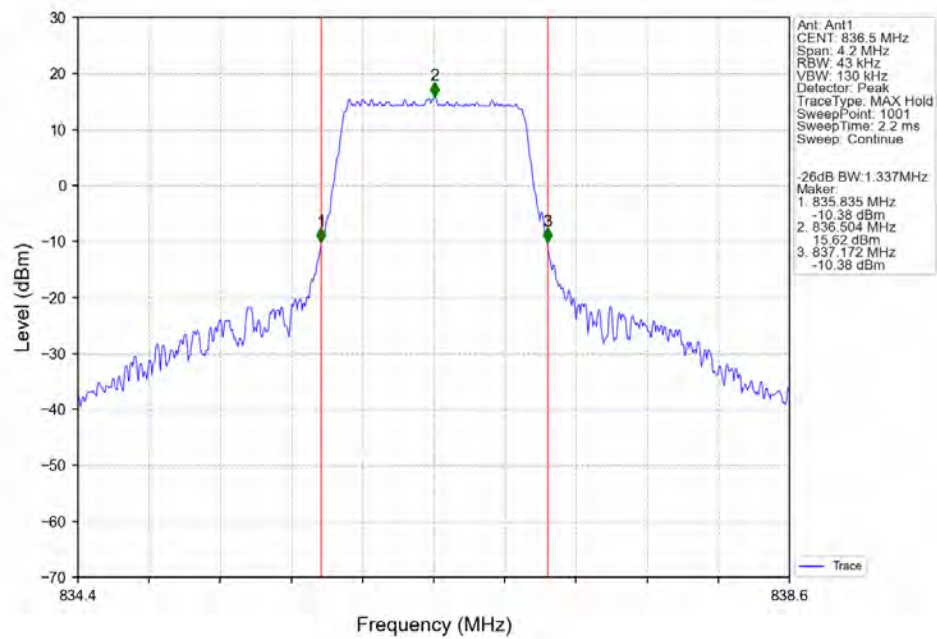


4.2.2 Band5_XDB

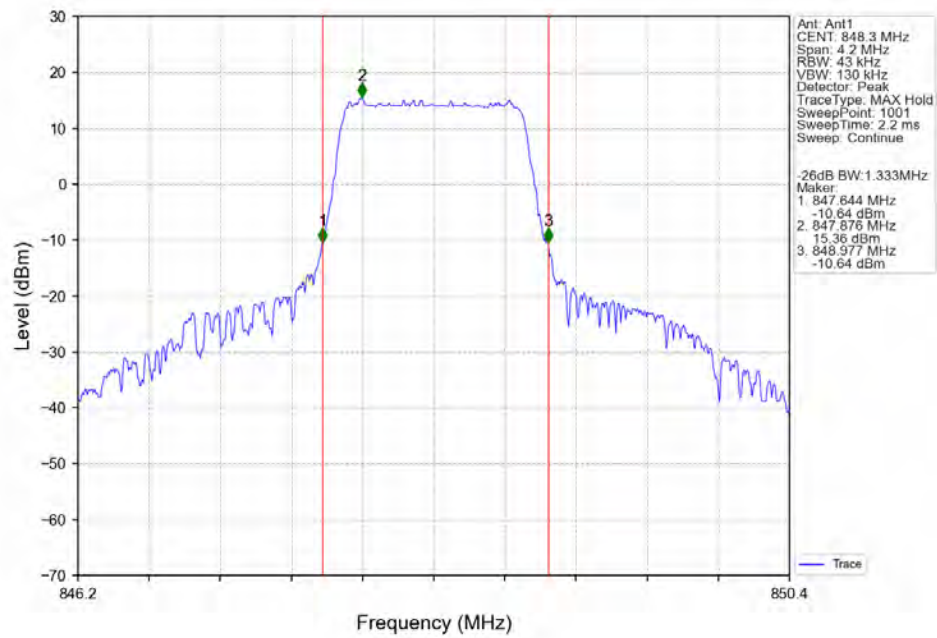
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



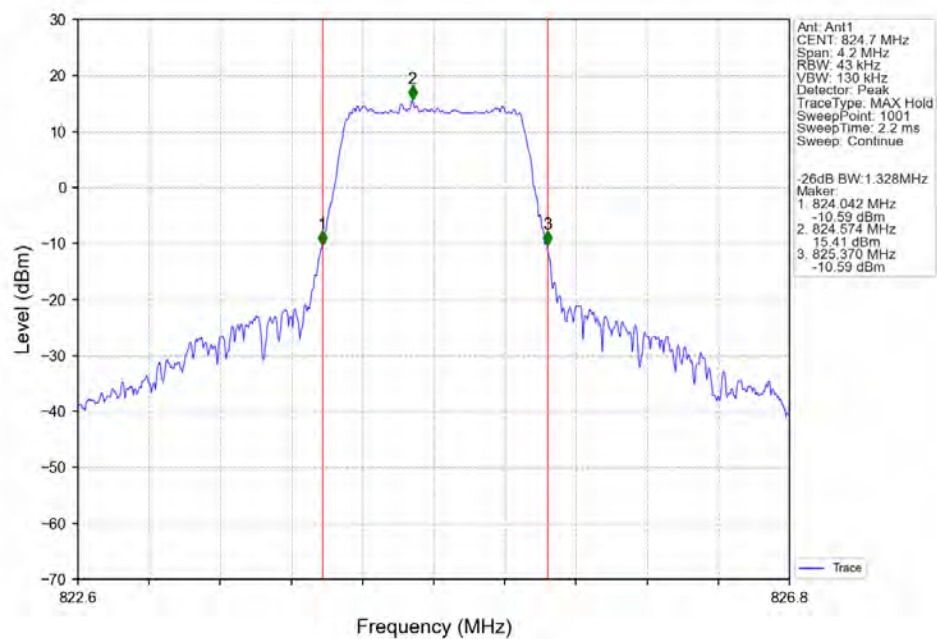
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



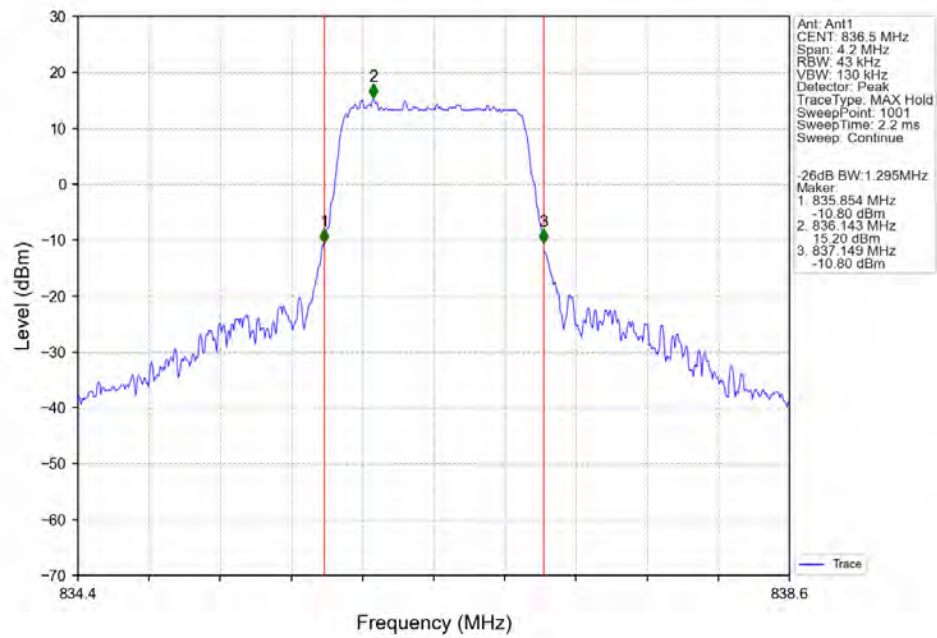
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



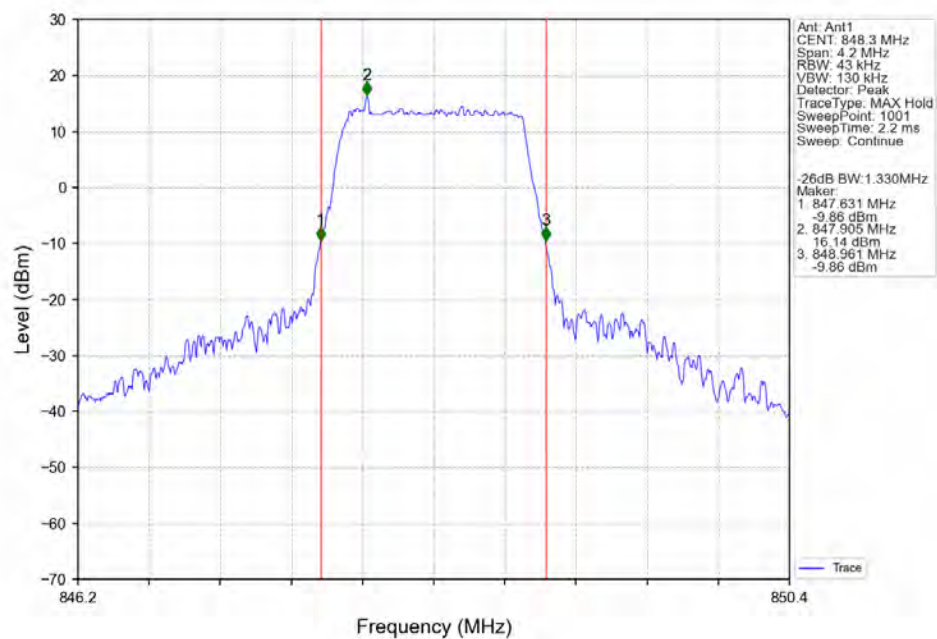
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



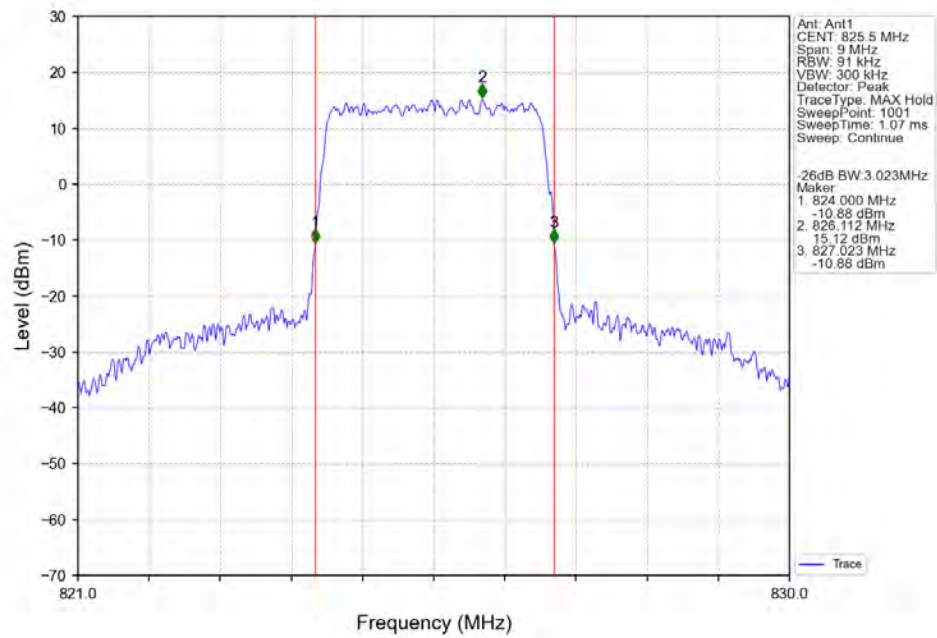
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



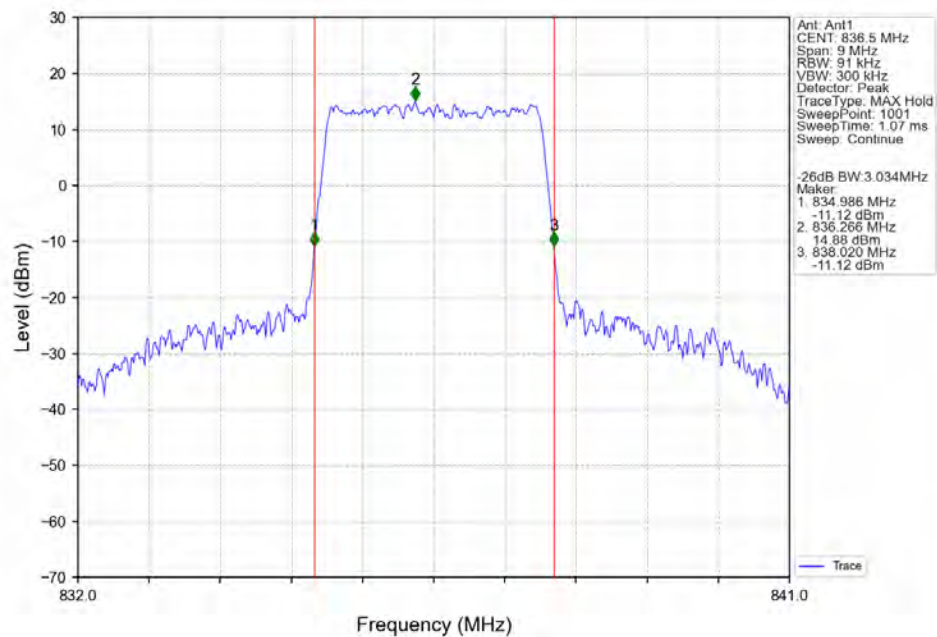
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



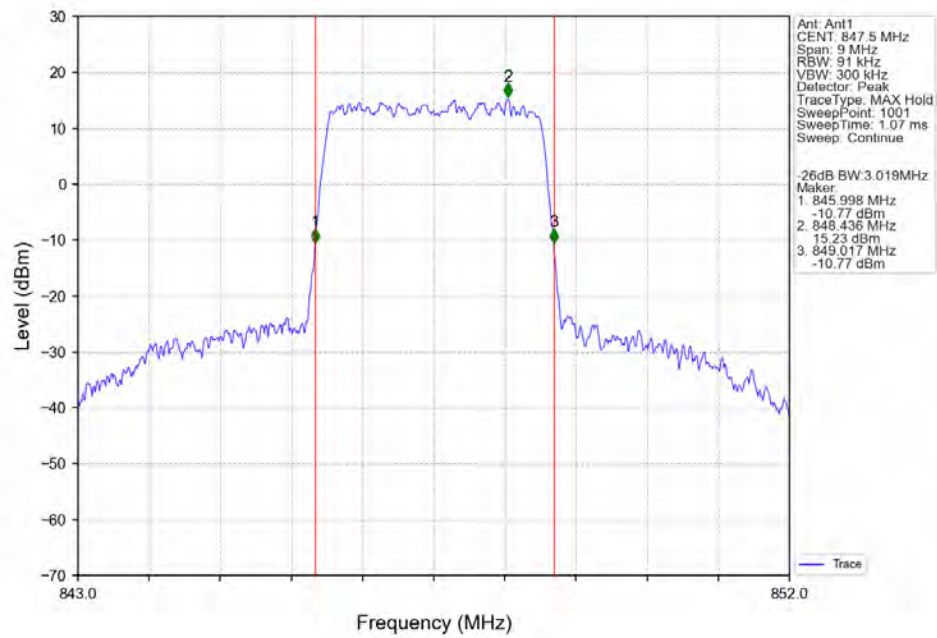
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



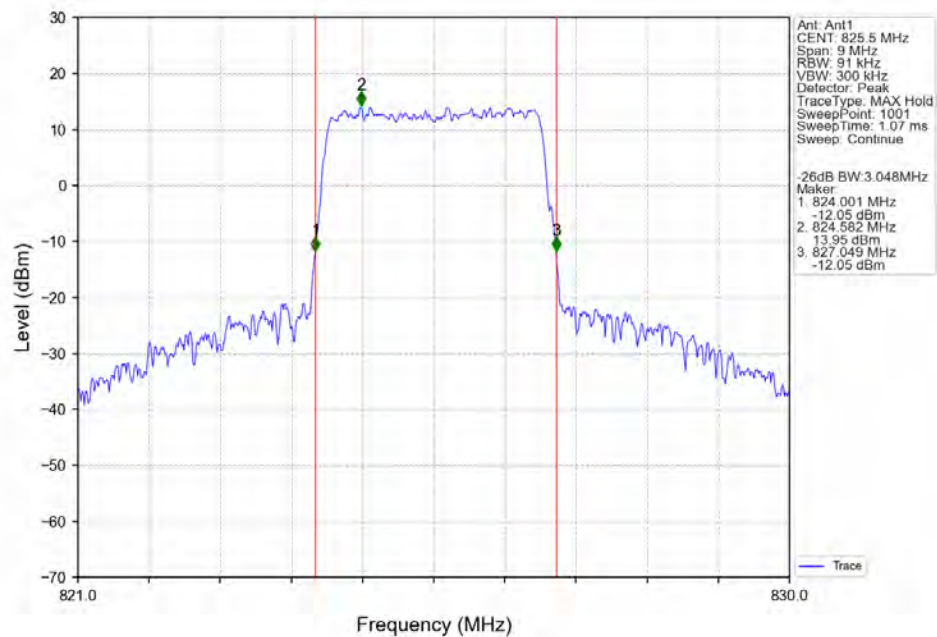
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



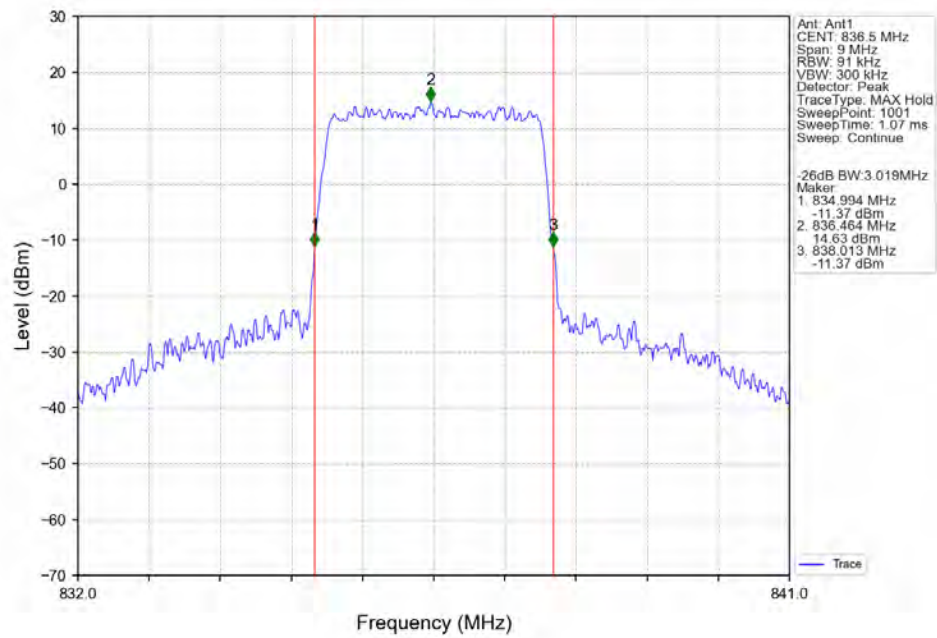
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



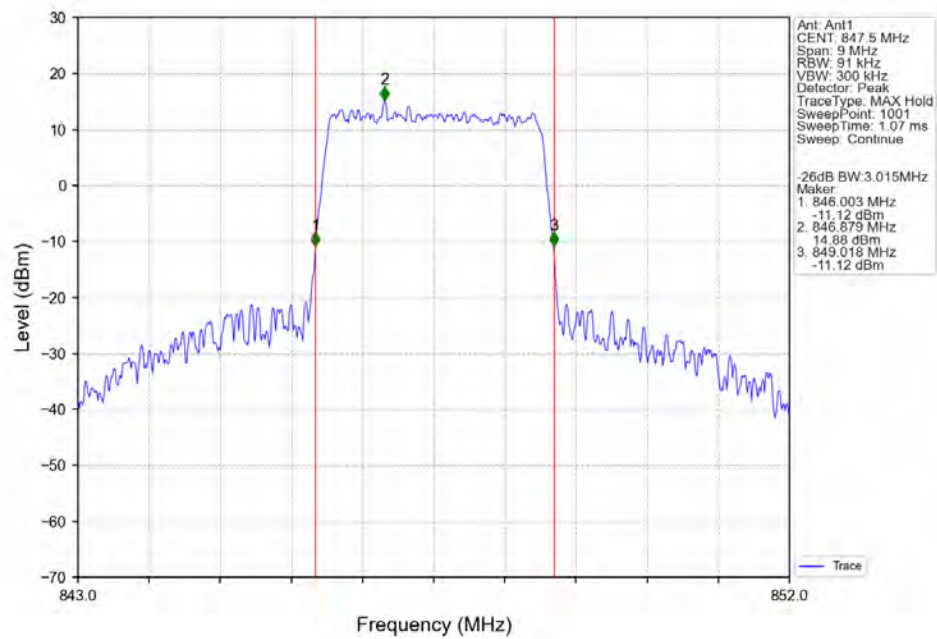
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



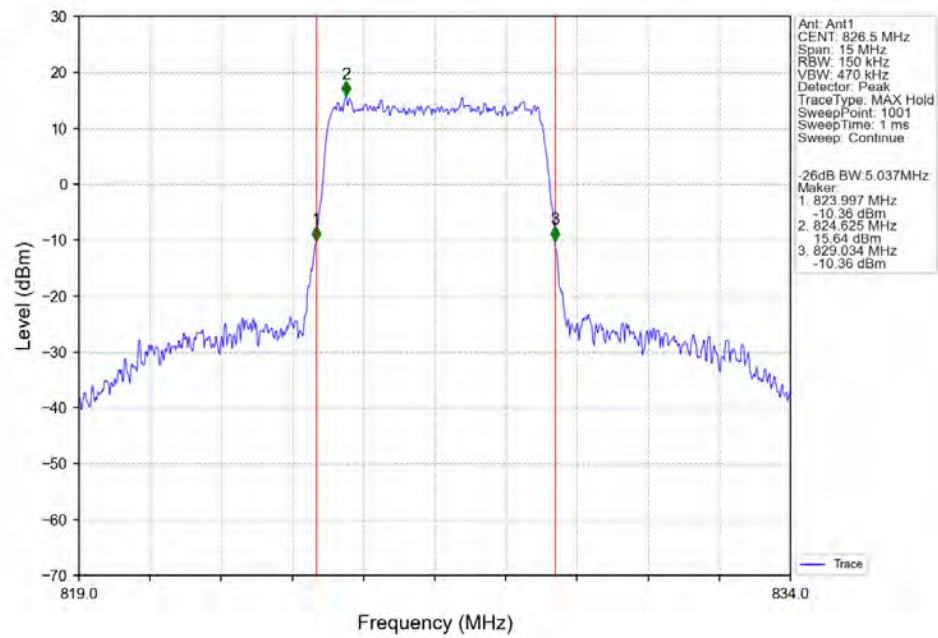
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



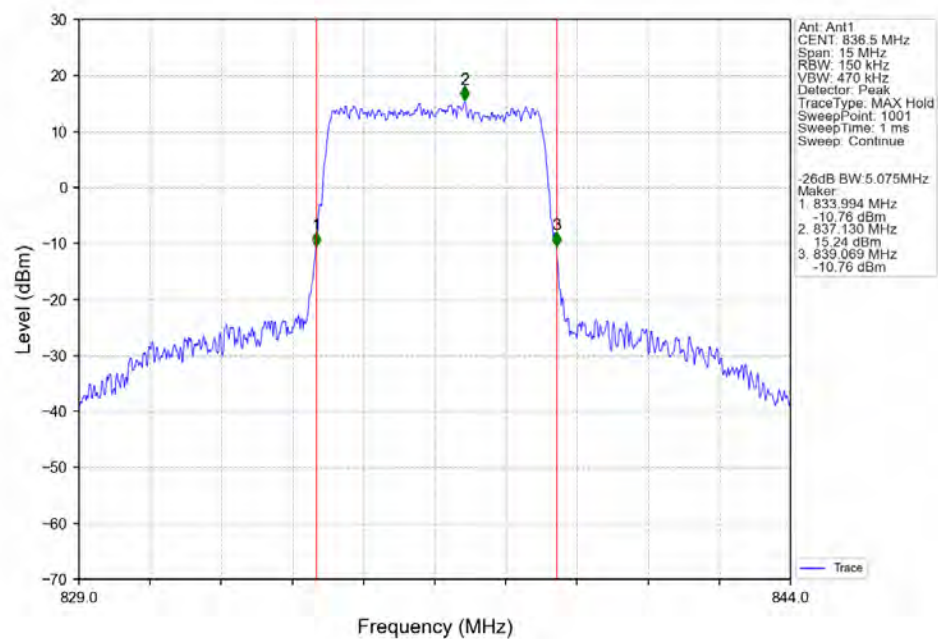
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



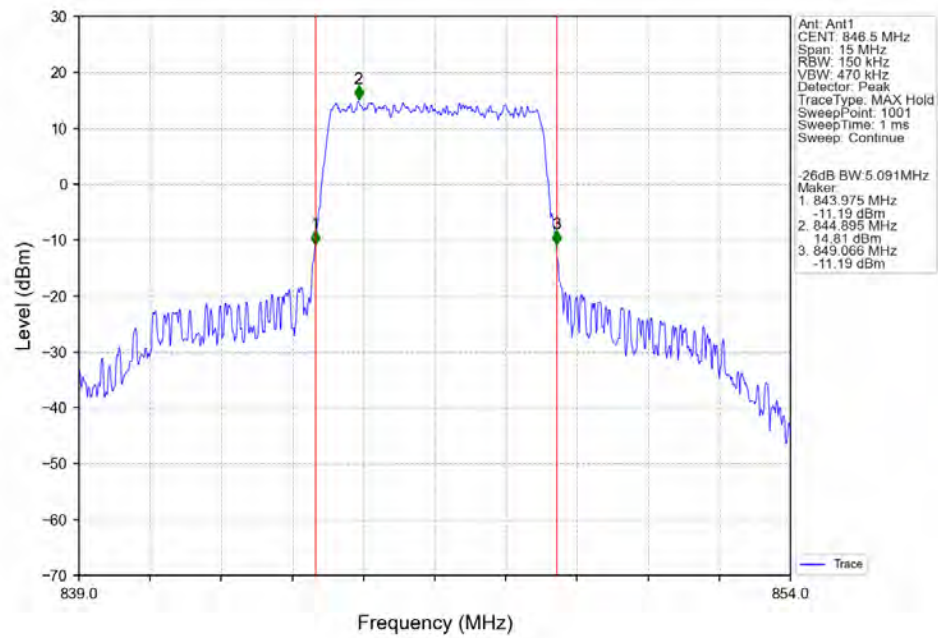
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



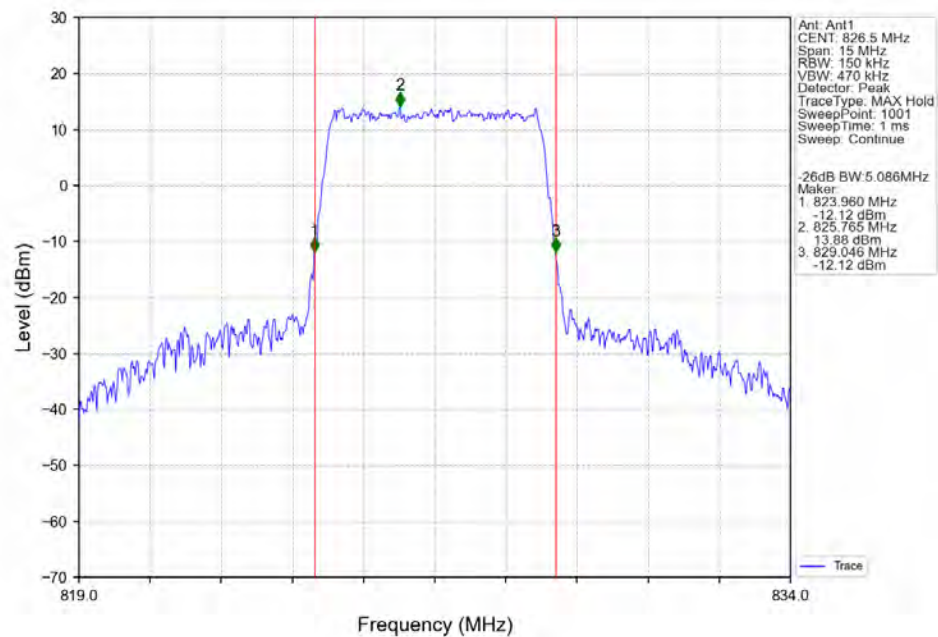
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



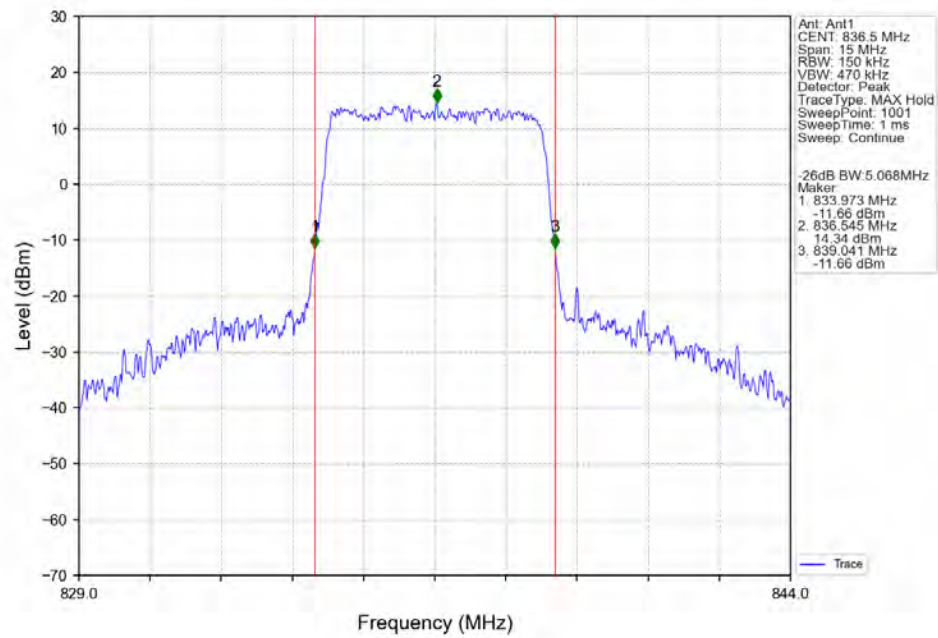
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



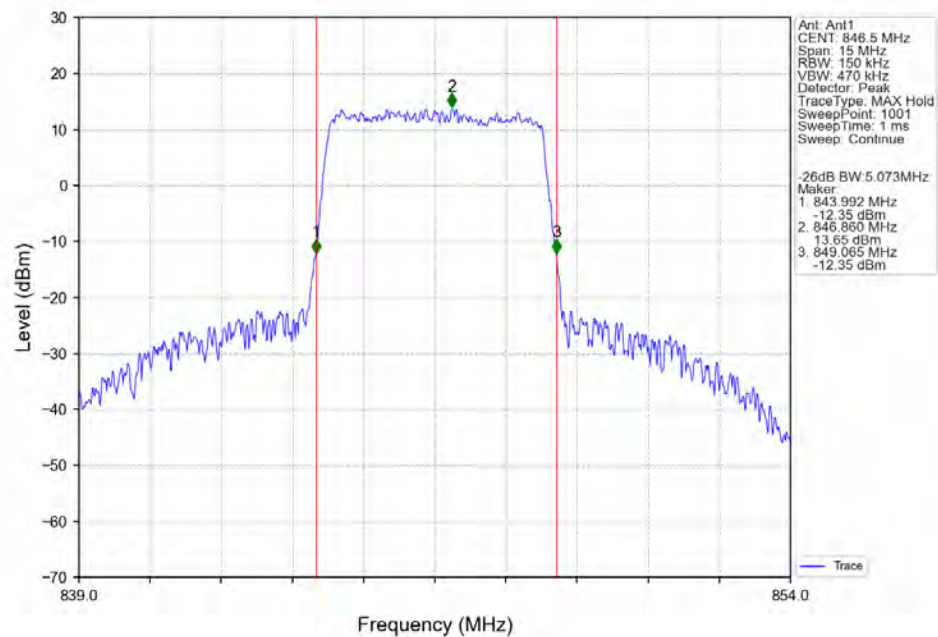
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



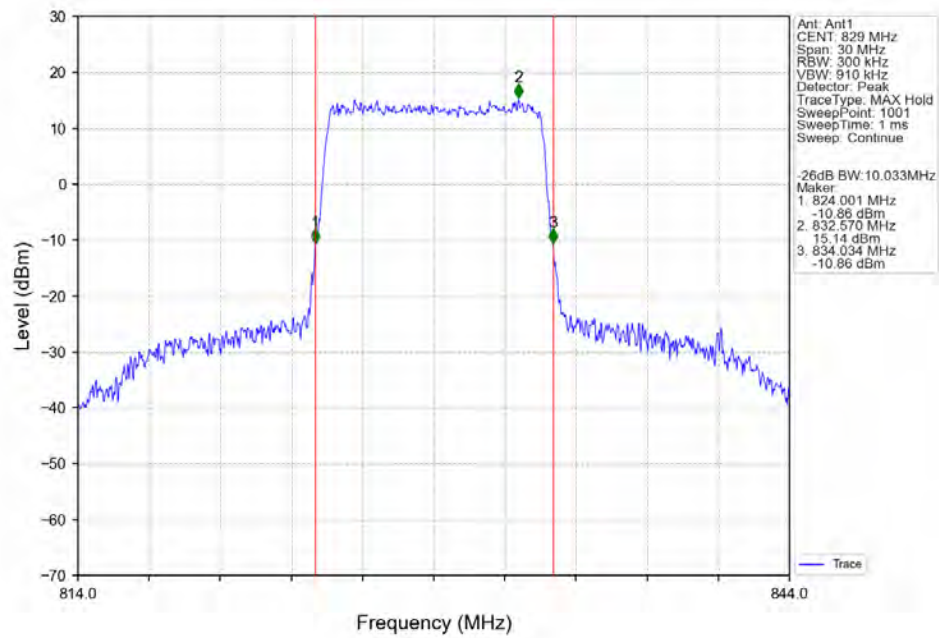
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



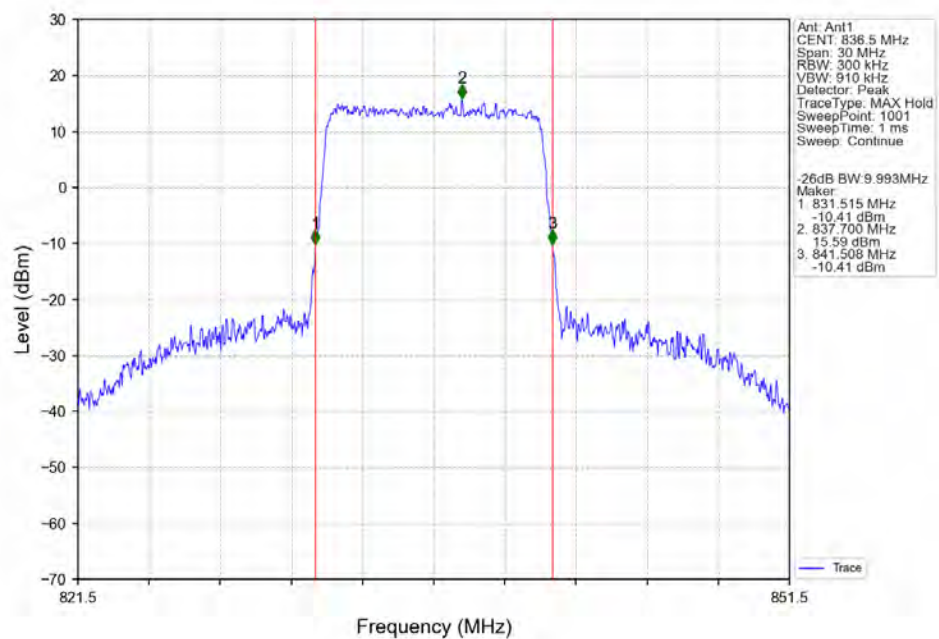
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



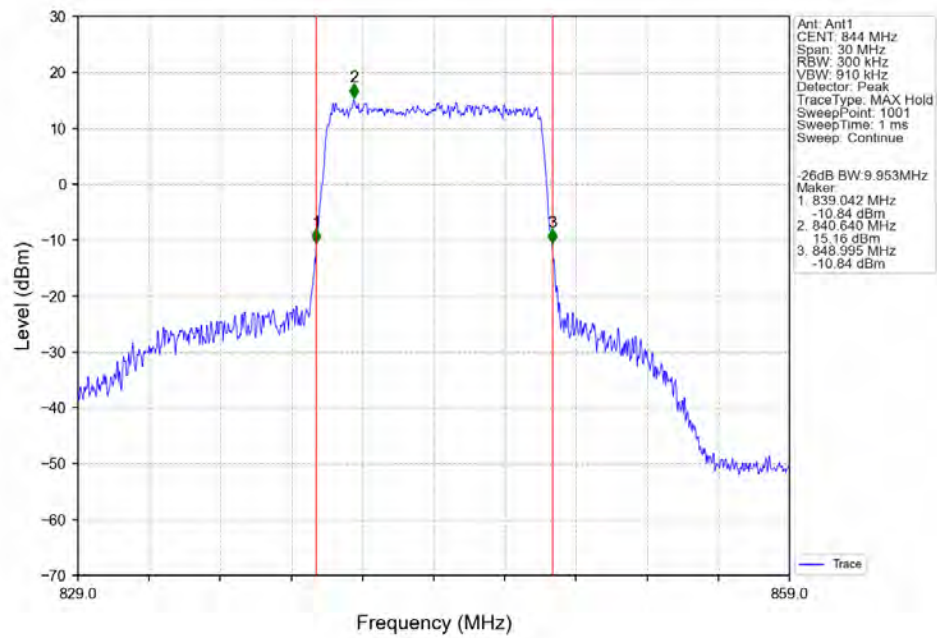
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



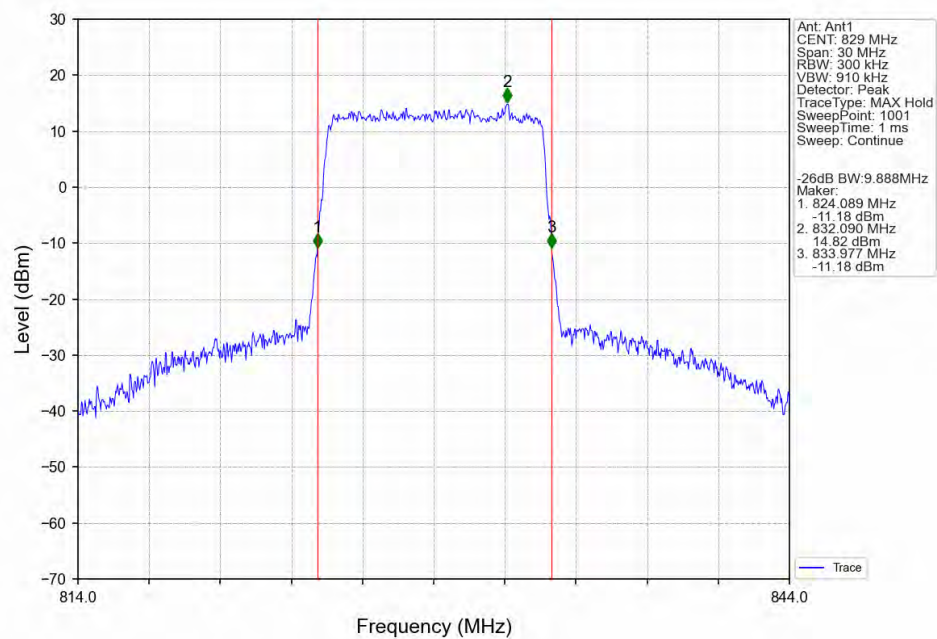
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



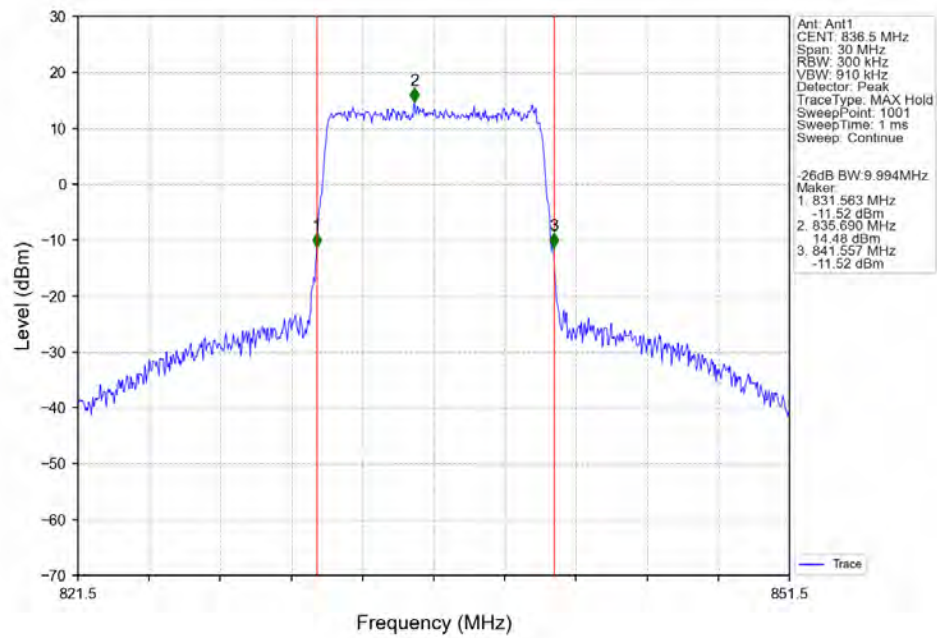
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



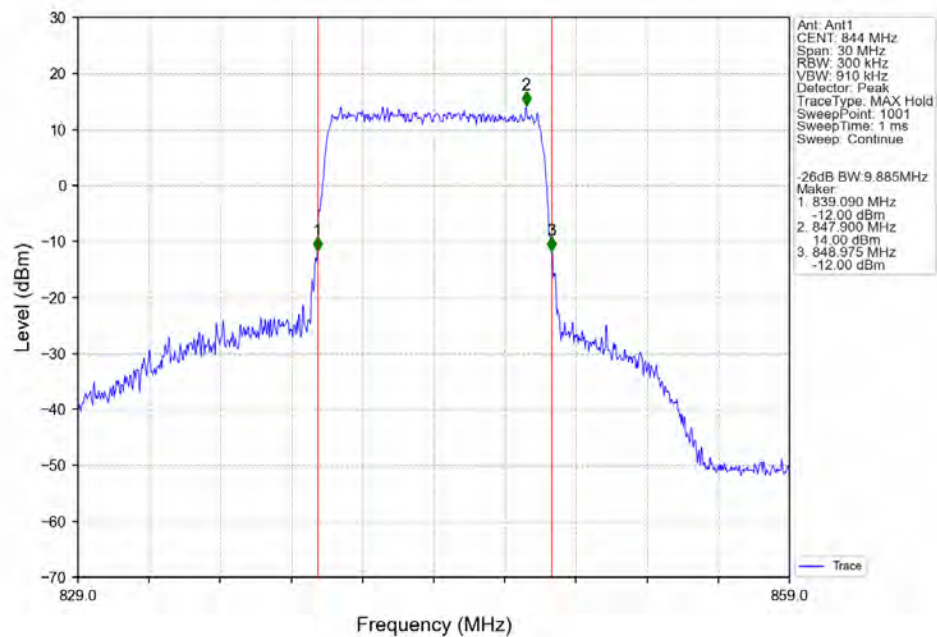
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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 Test Result

5.1.1 B5_1.4MHz

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	5.16	<=13	Pass
	836.5	6	0	5.12	<=13	Pass
	848.3	6	0	5.12	<=13	Pass
16QAM	824.7	6	0	5.15	<=13	Pass
	836.5	6	0	5.11	<=13	Pass
	848.3	6	0	5.12	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.32	<=13	Pass
	836.5	15	0	5.24	<=13	Pass
	847.5	15	0	5.32	<=13	Pass
16QAM	825.5	15	0	6.11	<=13	Pass
	836.5	15	0	6.07	<=13	Pass
	847.5	15	0	6.12	<=13	Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.46	<=13	Pass
	836.5	25	0	5.46	<=13	Pass
	846.5	25	0	5.49	<=13	Pass
16QAM	826.5	25	0	6.17	<=13	Pass
	836.5	25	0	6.15	<=13	Pass
	846.5	25	0	6.12	<=13	Pass

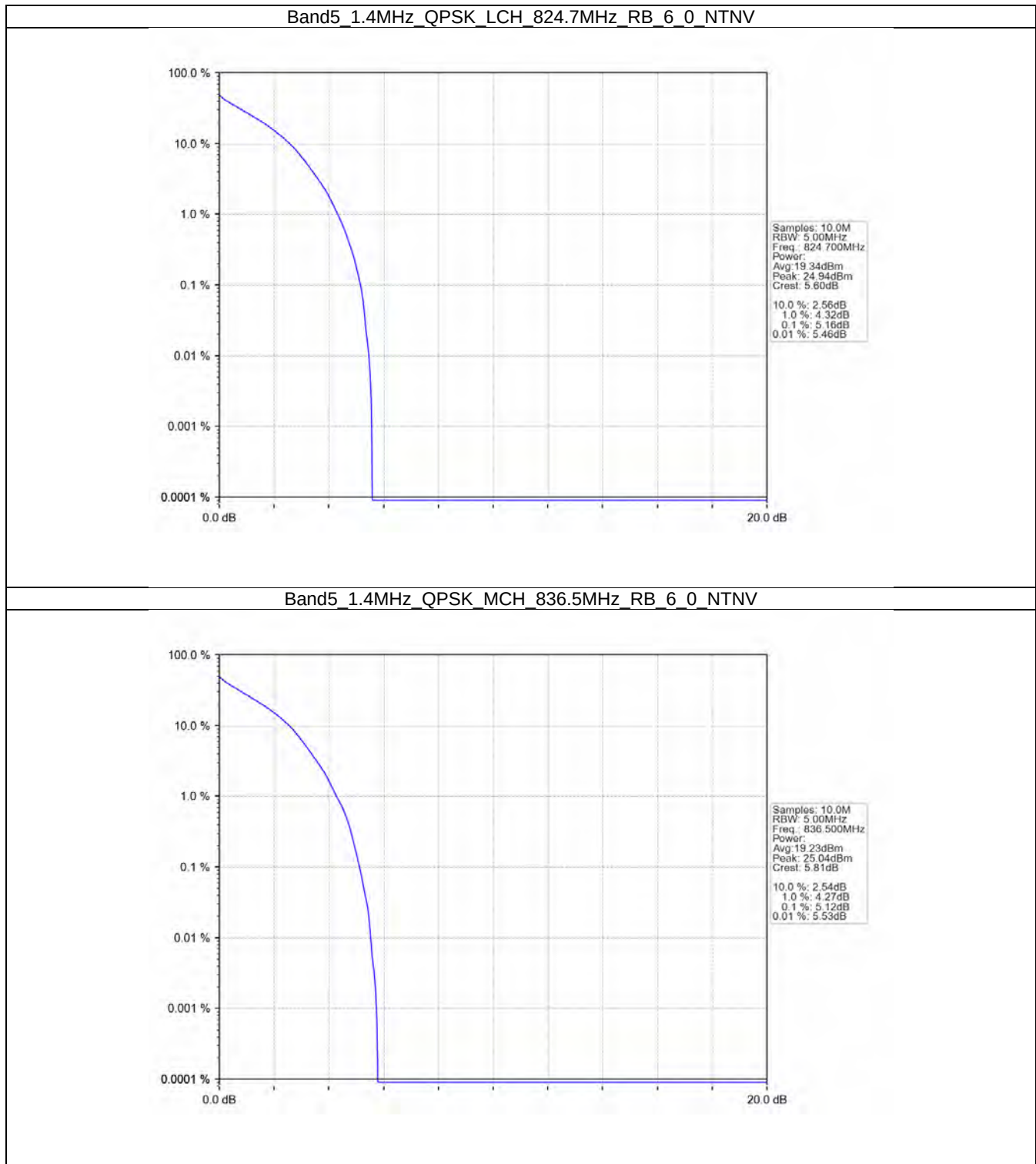
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.47	<=13	Pass
	836.5	50	0	5.41	<=13	Pass
	844	50	0	5.42	<=13	Pass
16QAM	829	50	0	6.17	<=13	Pass
	836.5	50	0	6.16	<=13	Pass
	844	50	0	6.18	<=13	Pass

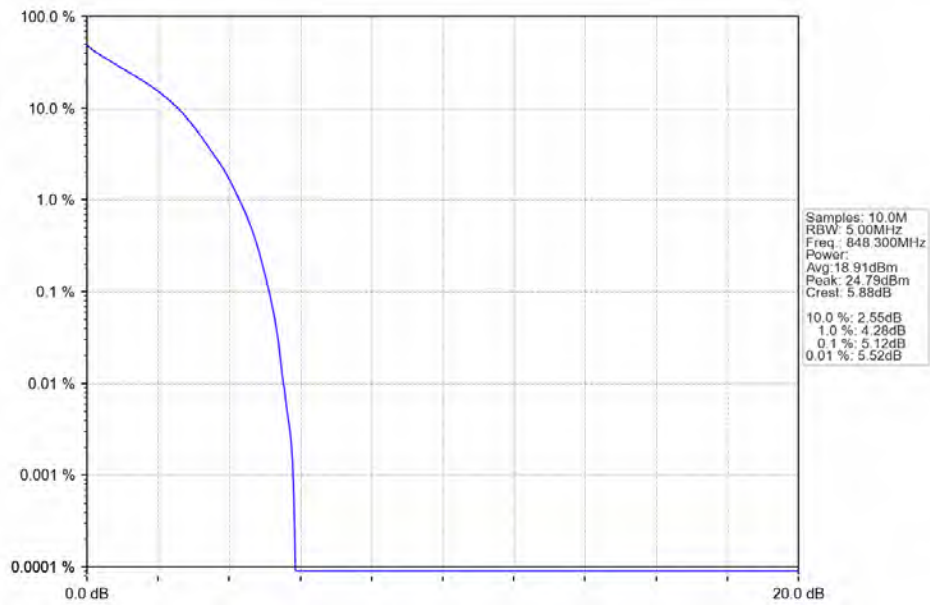


5.2 Test Graph

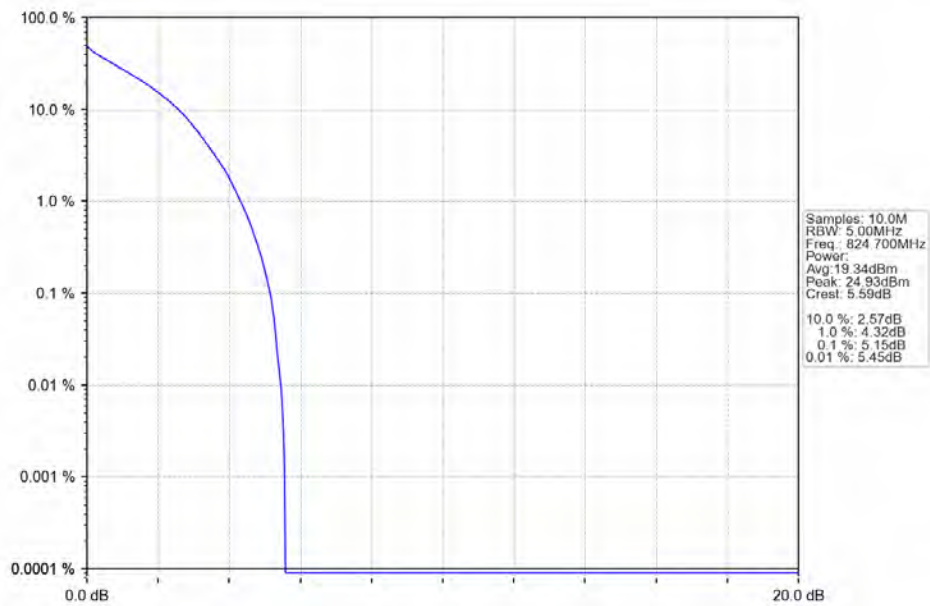
5.2.1 B5_1.4MHz



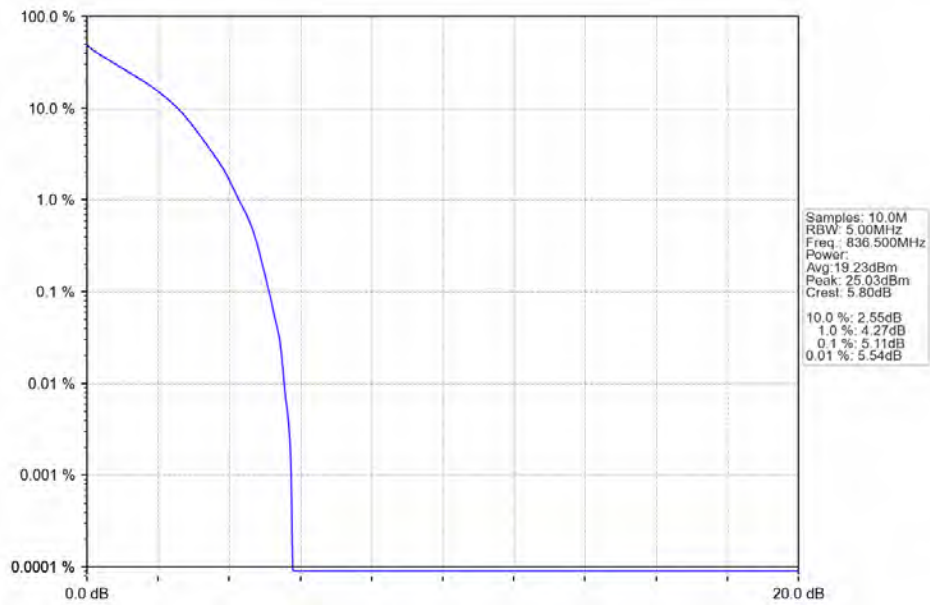
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



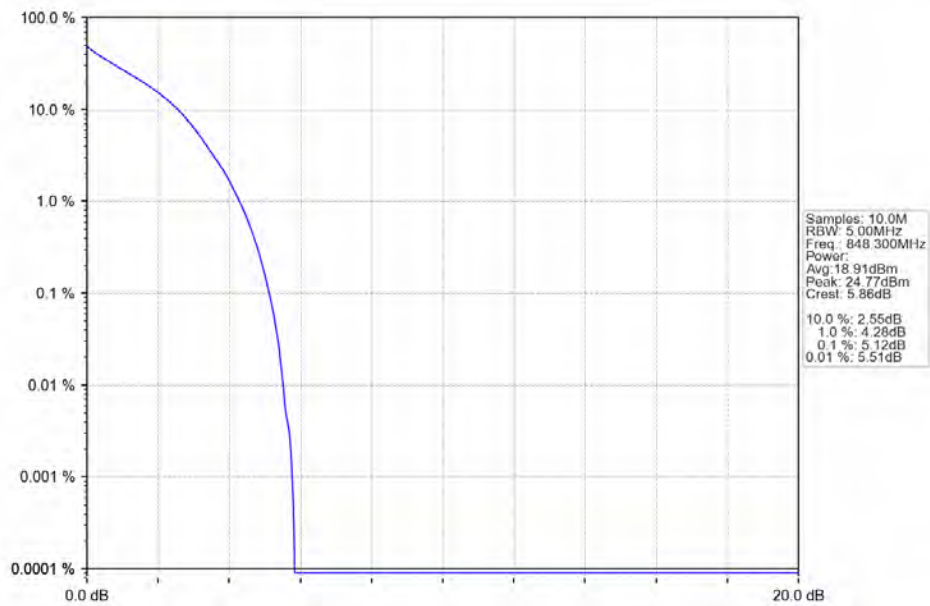
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

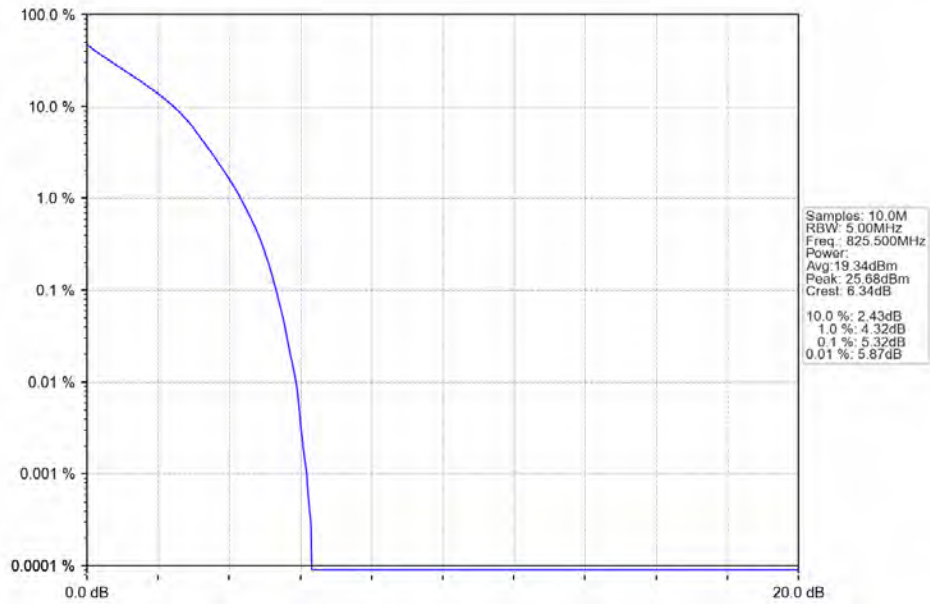


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

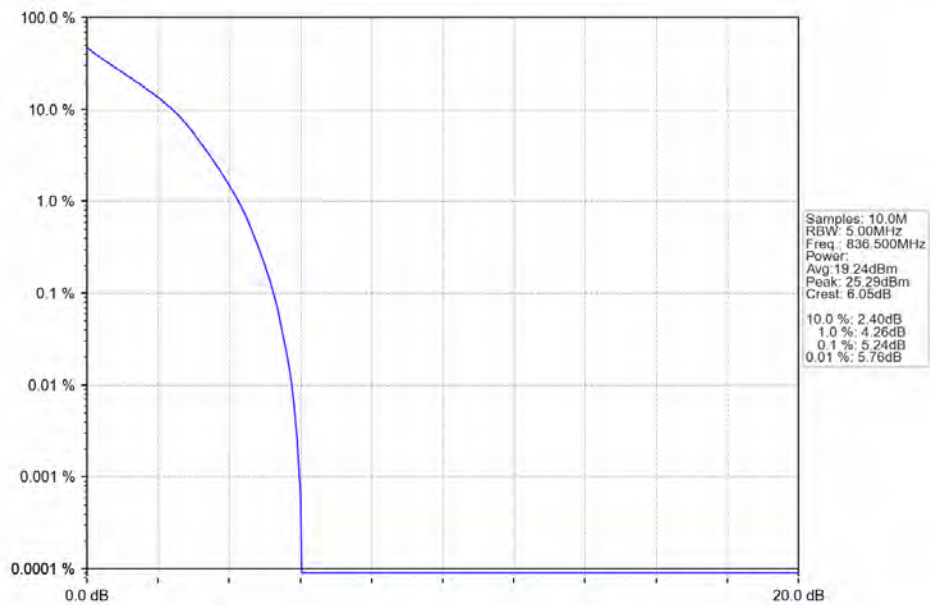


5.2.2 B5_3MHz

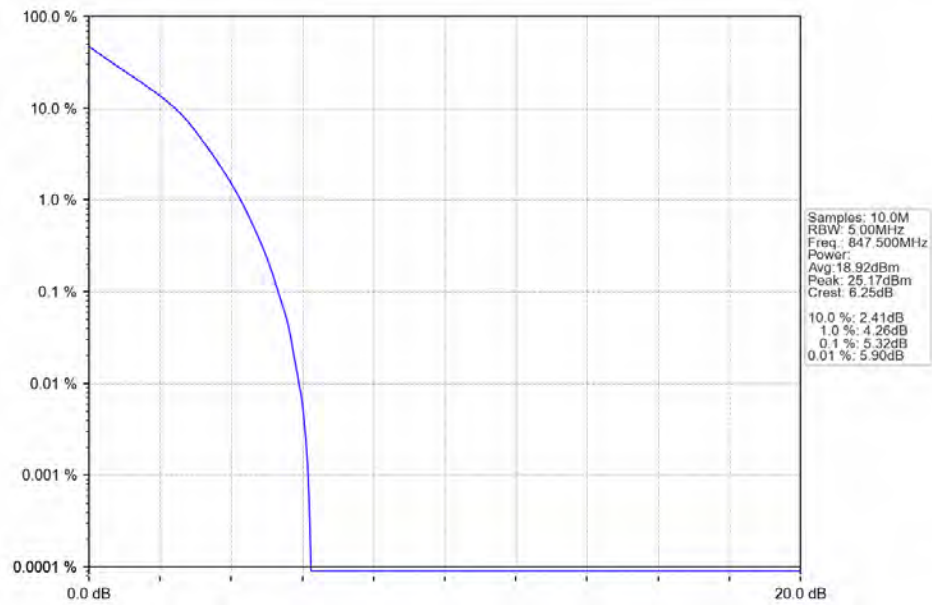
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



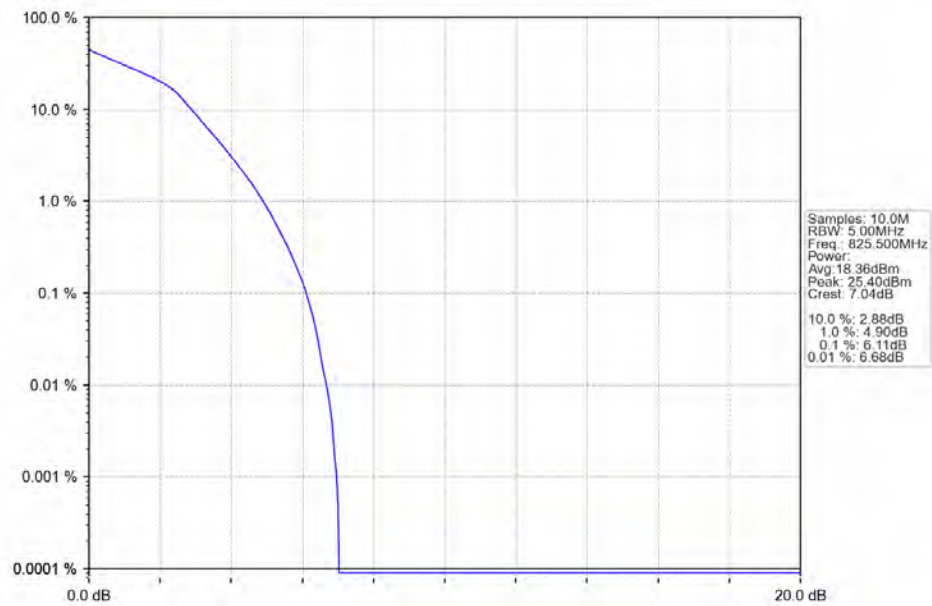
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



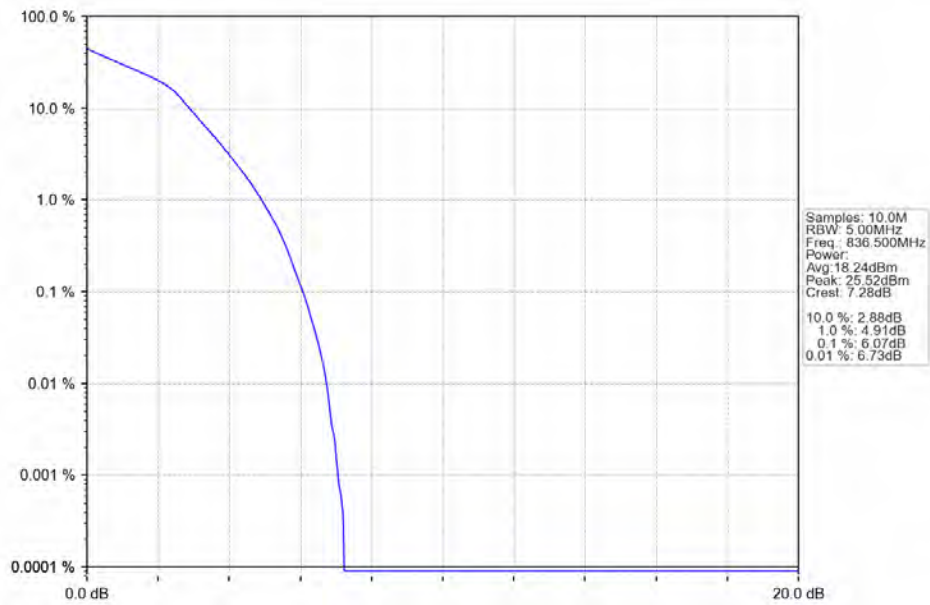
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



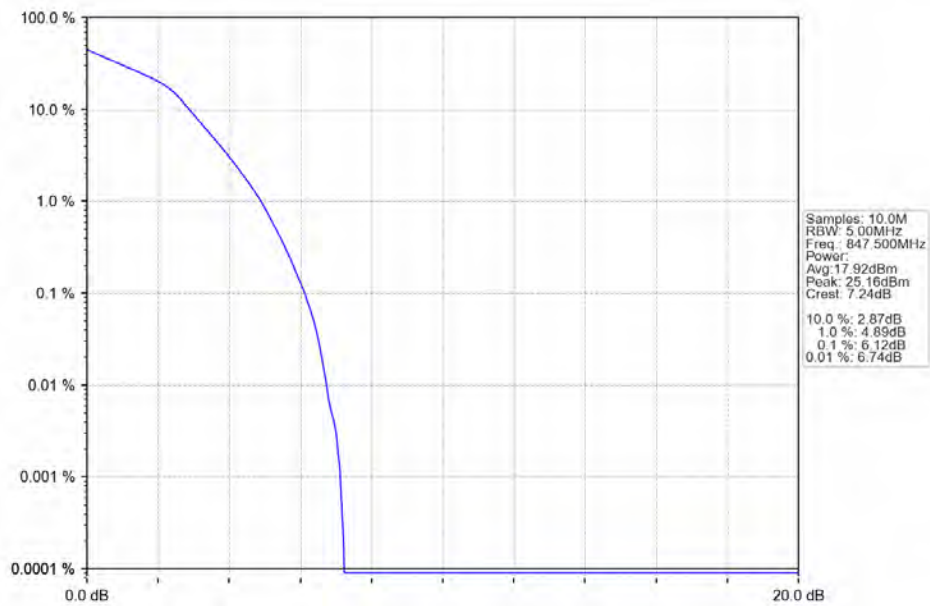
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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

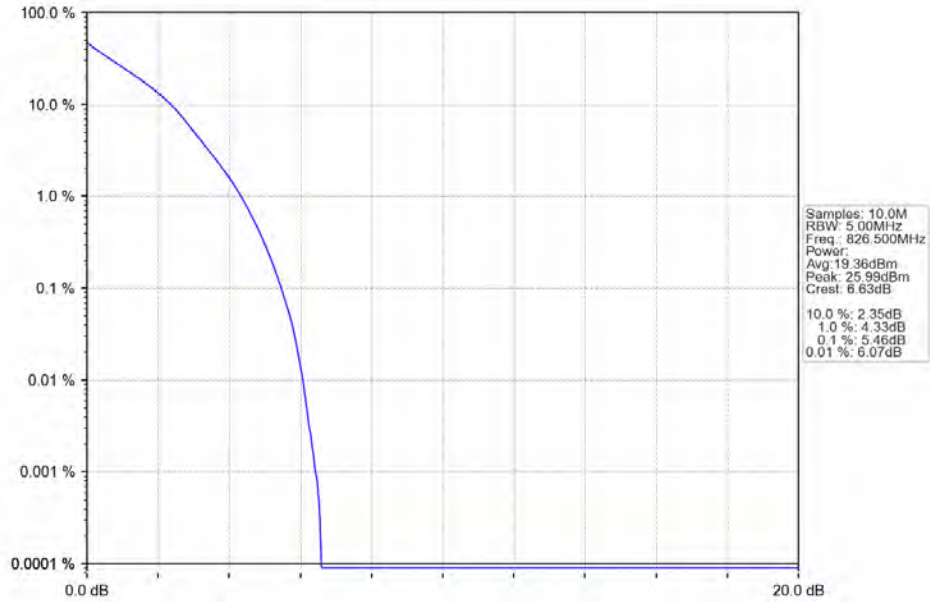


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

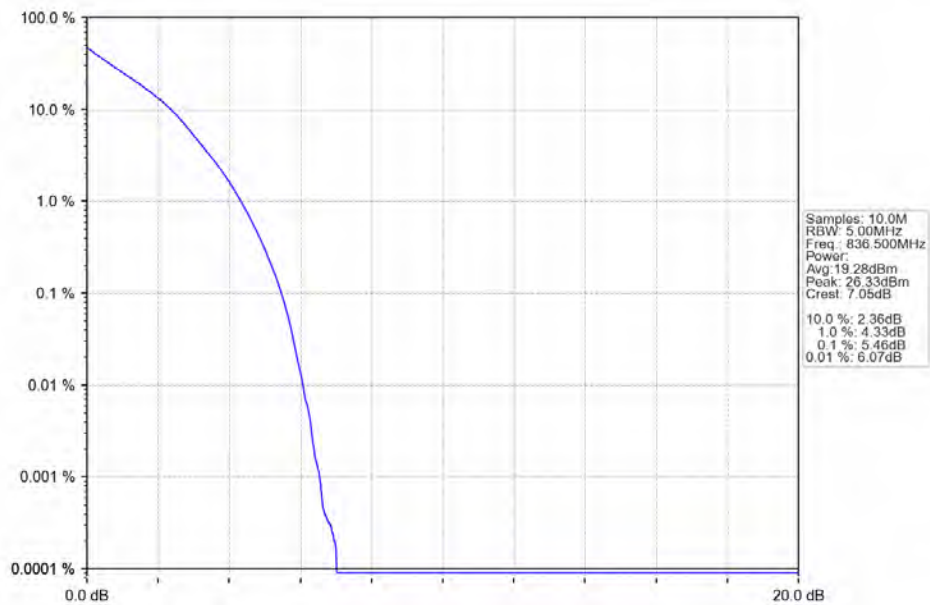


5.2.3 B5_5MHz

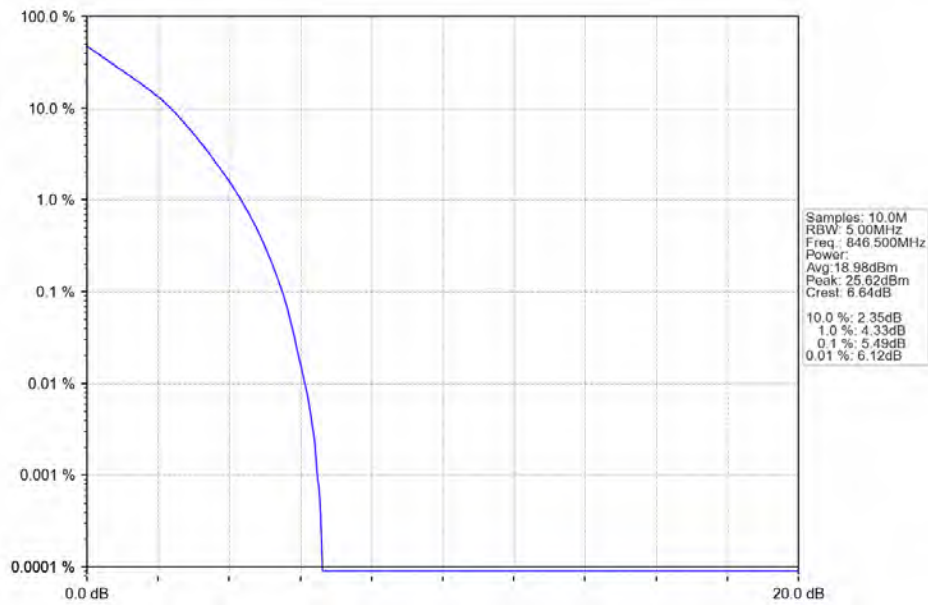
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



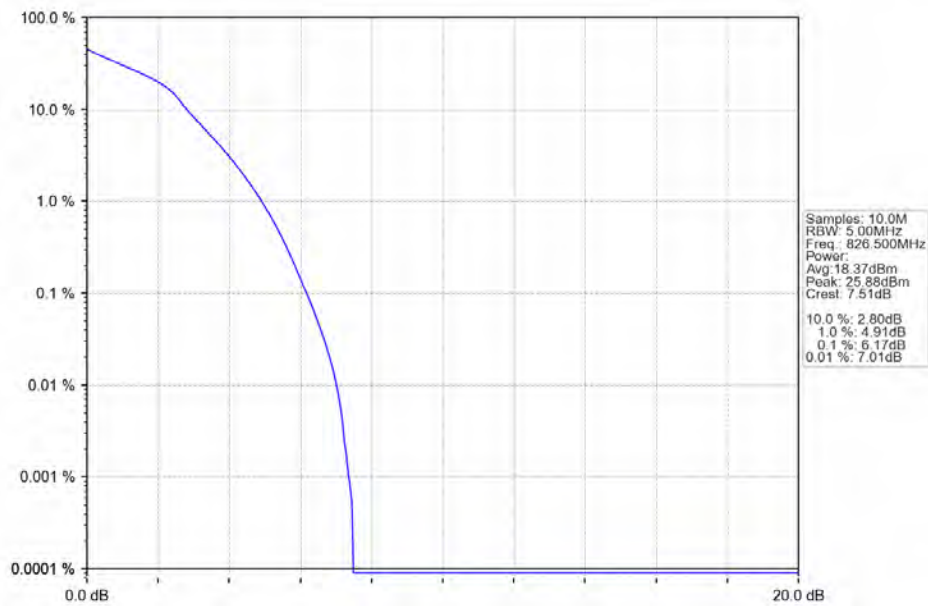
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



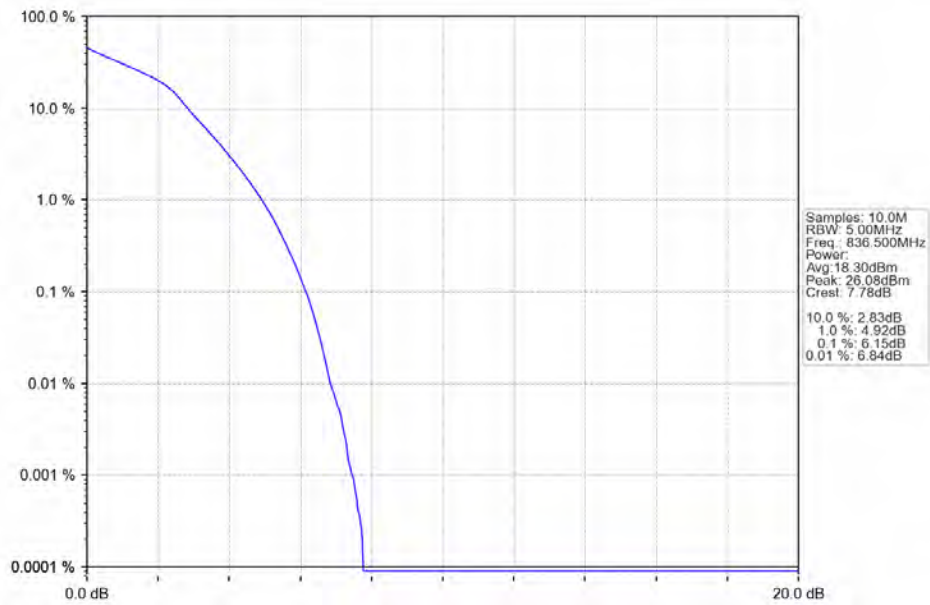
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



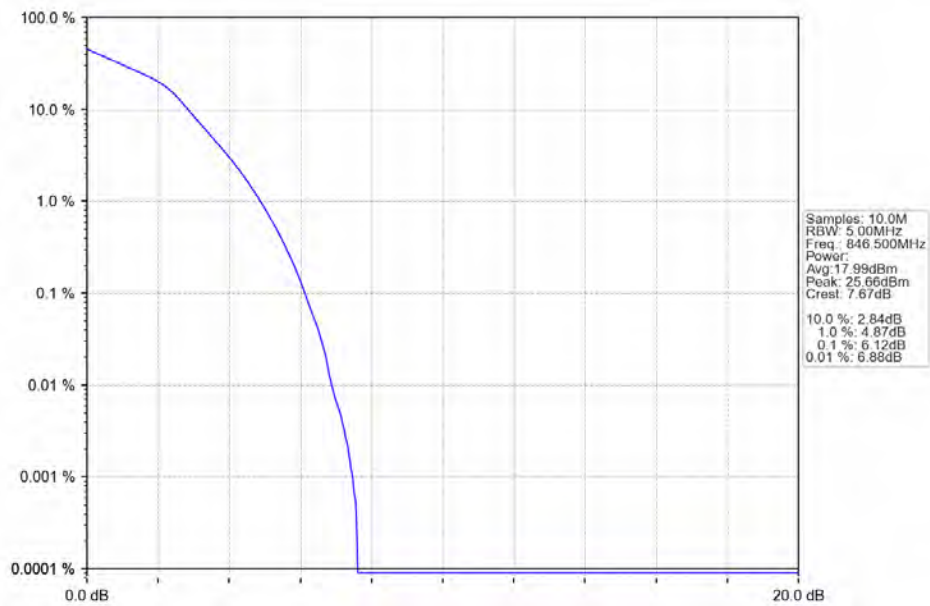
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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

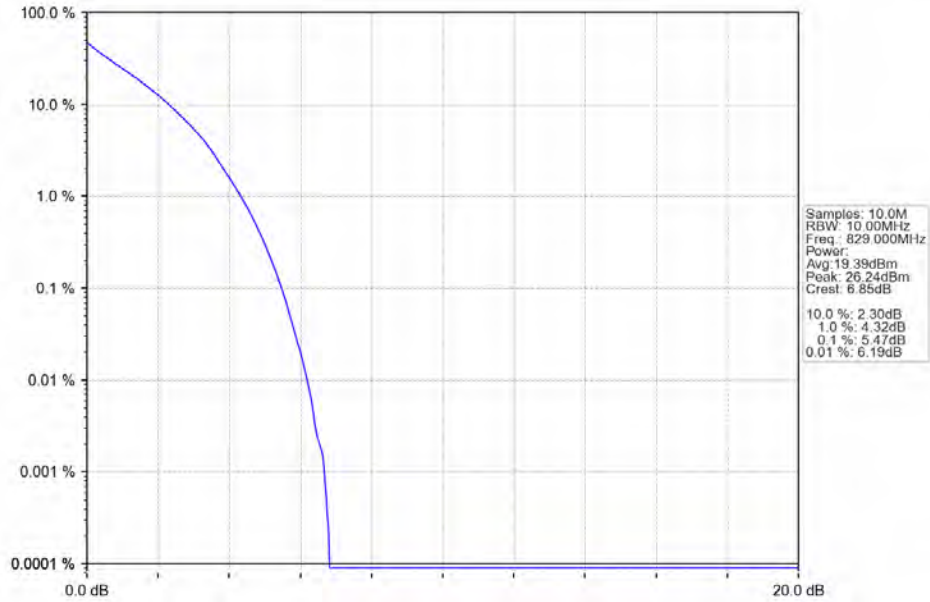


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

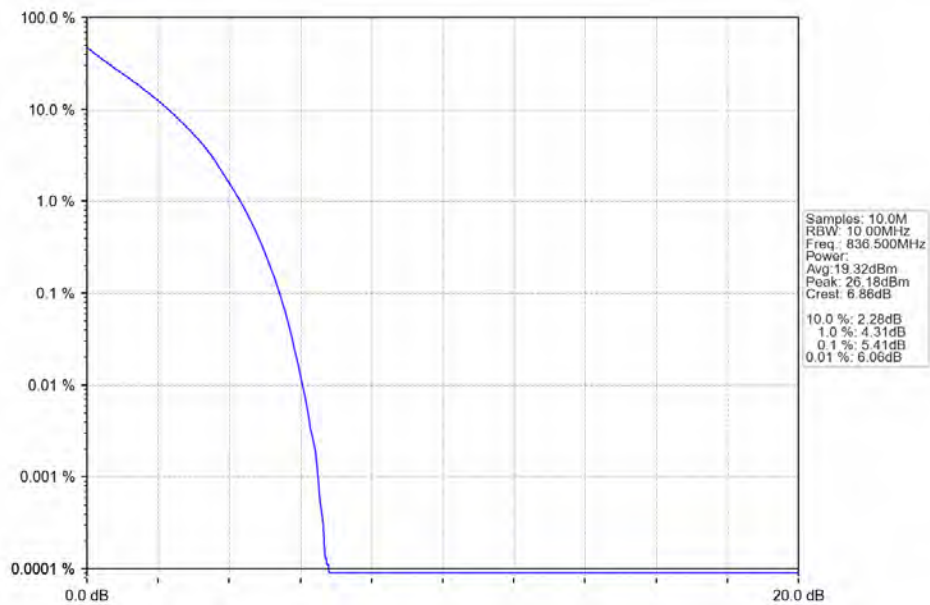


5.2.4 B5_10MHz

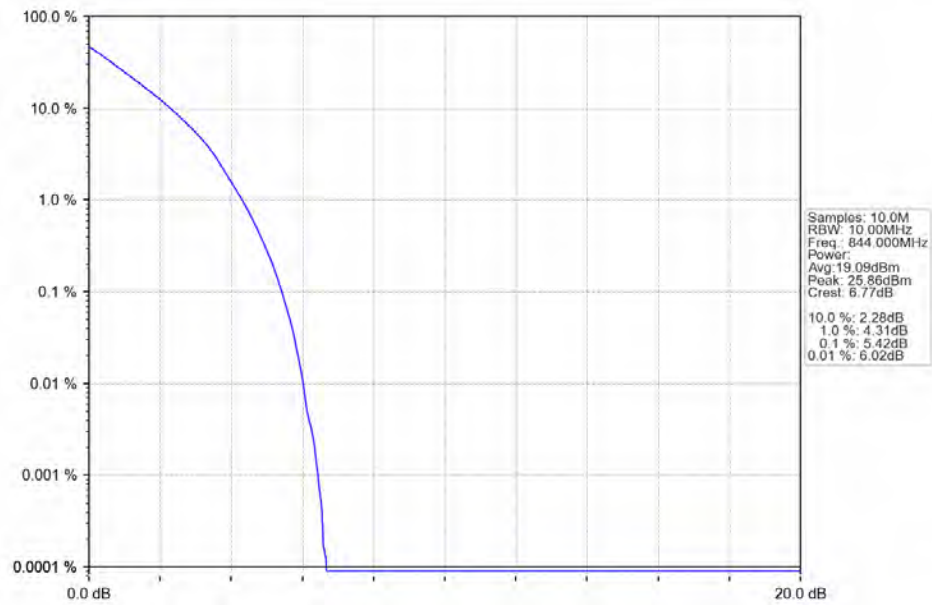
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



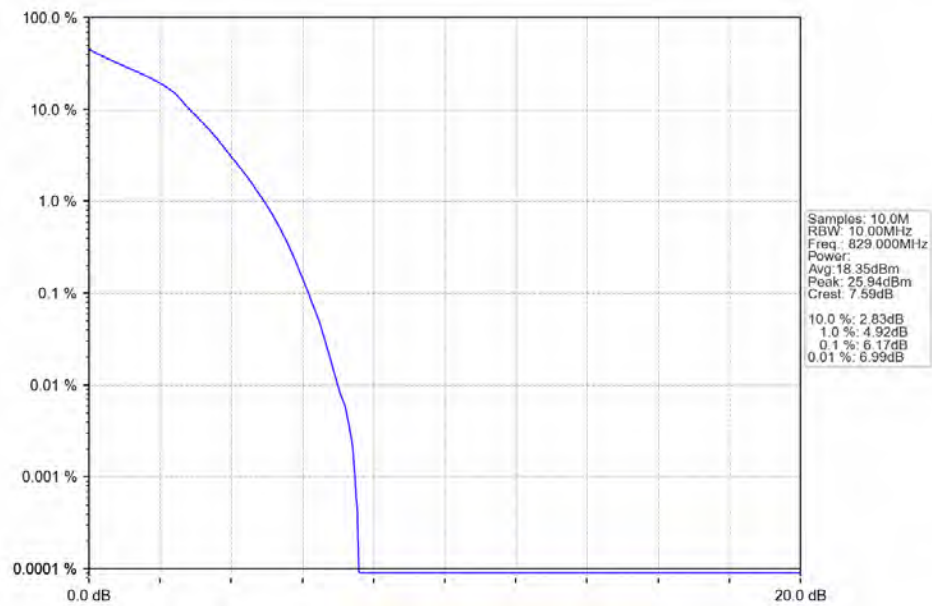
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



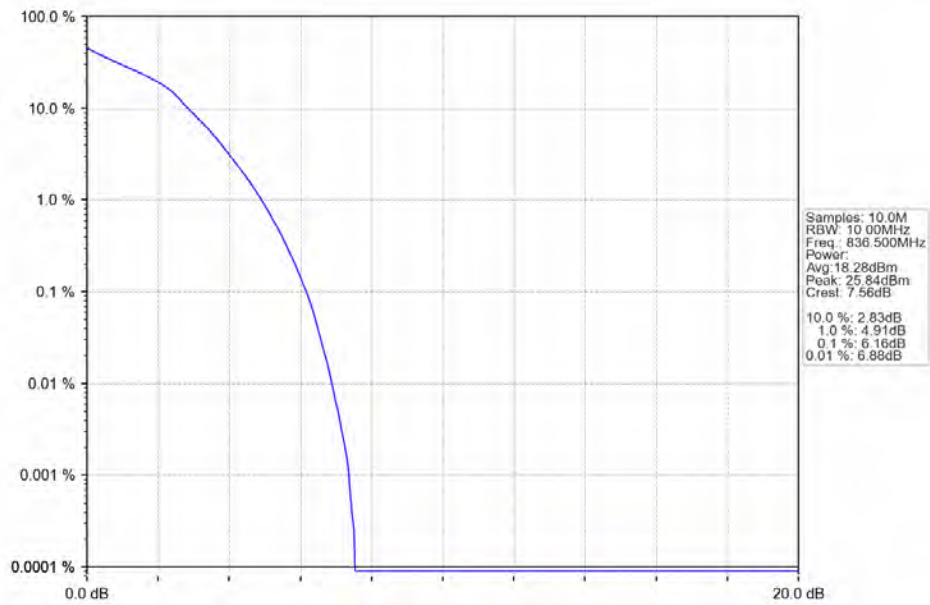
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



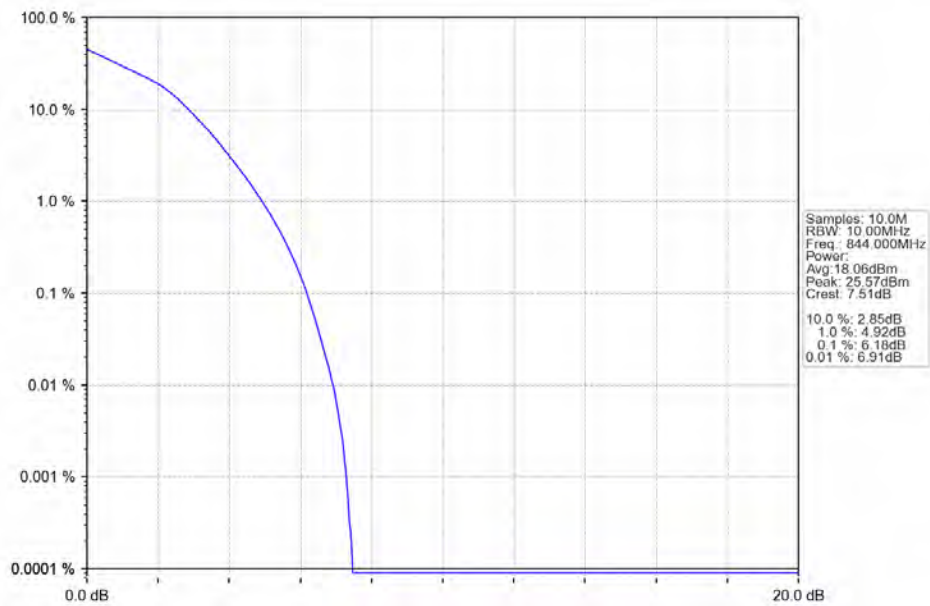
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
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
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
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
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B5_3MHz

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

6.1.3 B5_5MHz

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

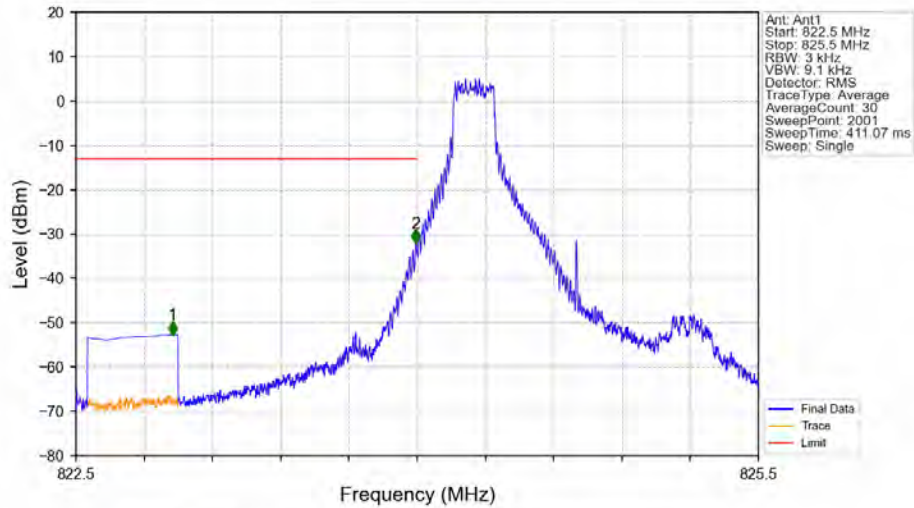
6.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		50	49	Refer To Test Graph	Pass
			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
		50	49	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass

6.2 Test Graph

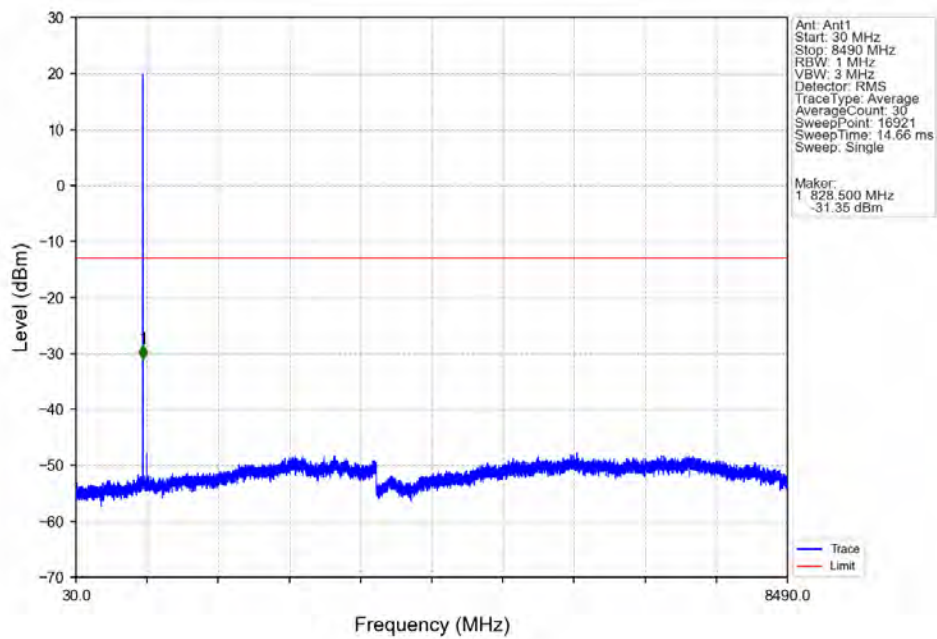
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

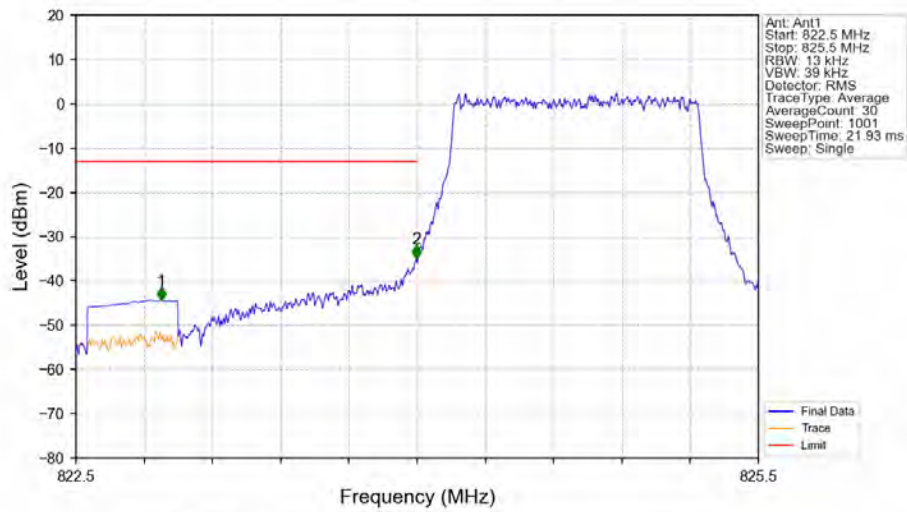


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.924	-52.71	-13	Pass
823	824	0.003	/	2	823.994	-32.11	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

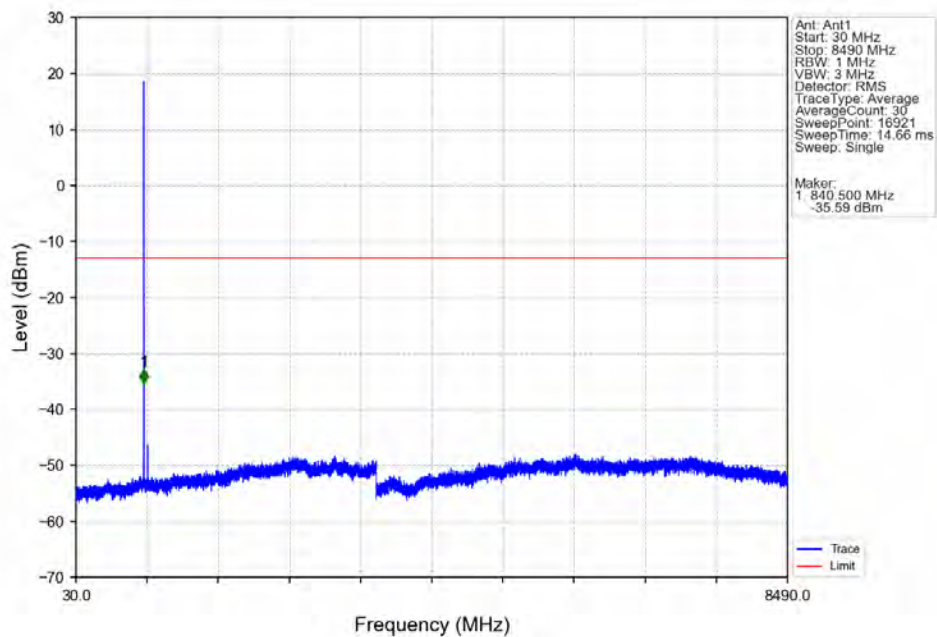


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

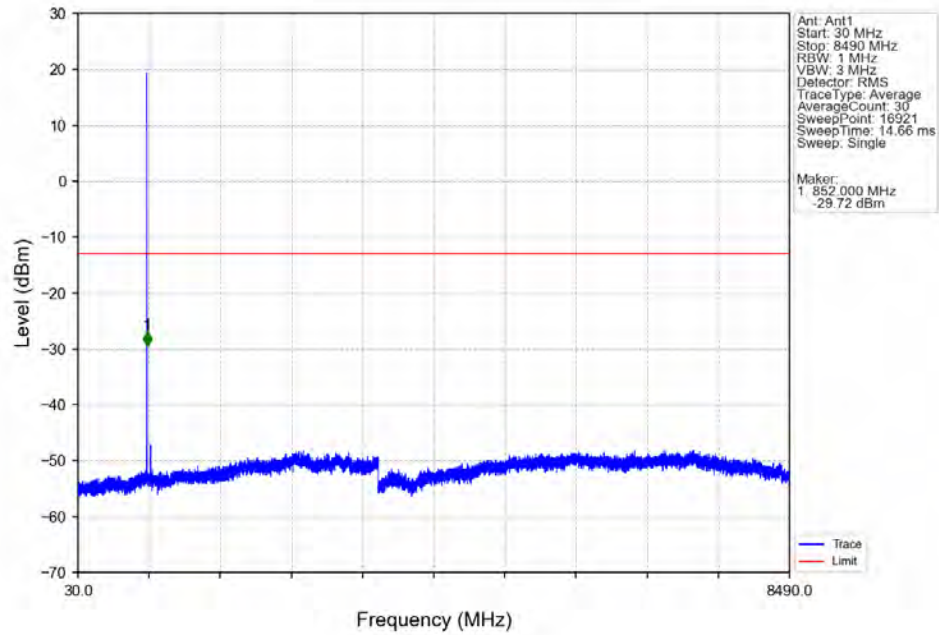


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.875	-44.37	-13	Pass
823	824	0.013	/	2	823.997	-35.02	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

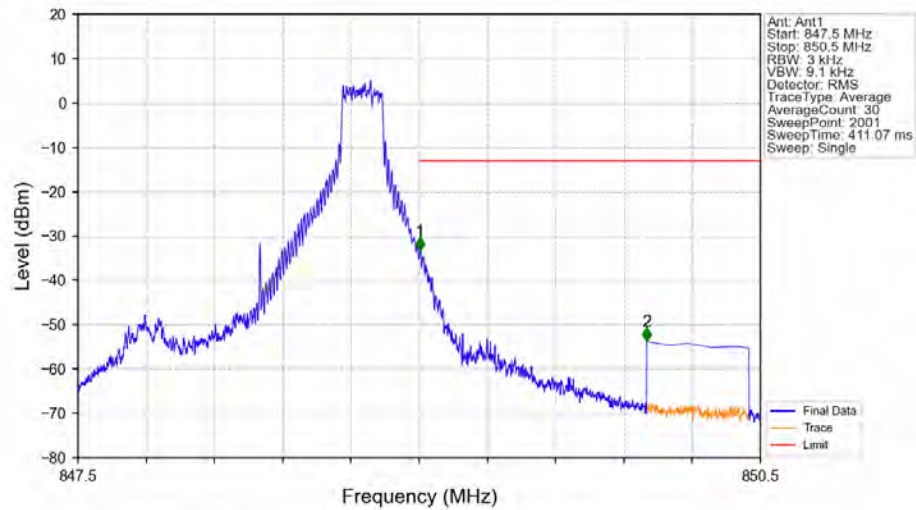
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

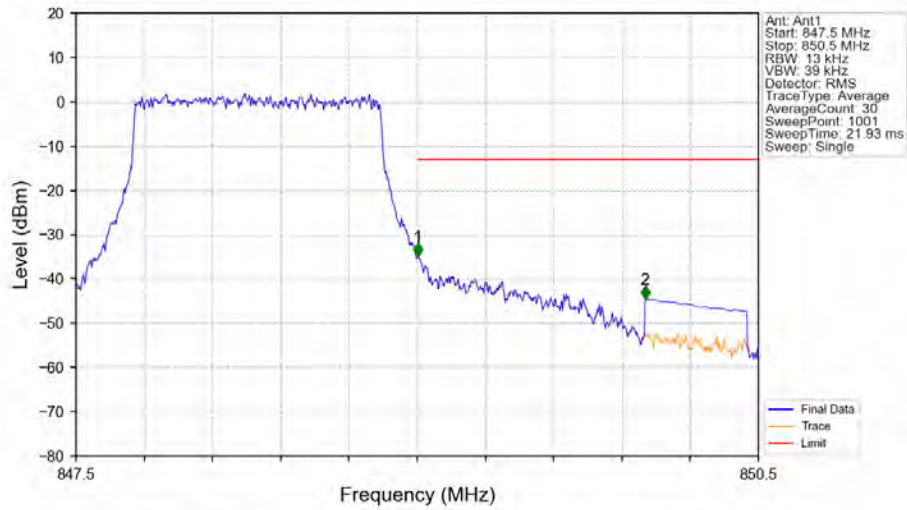


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



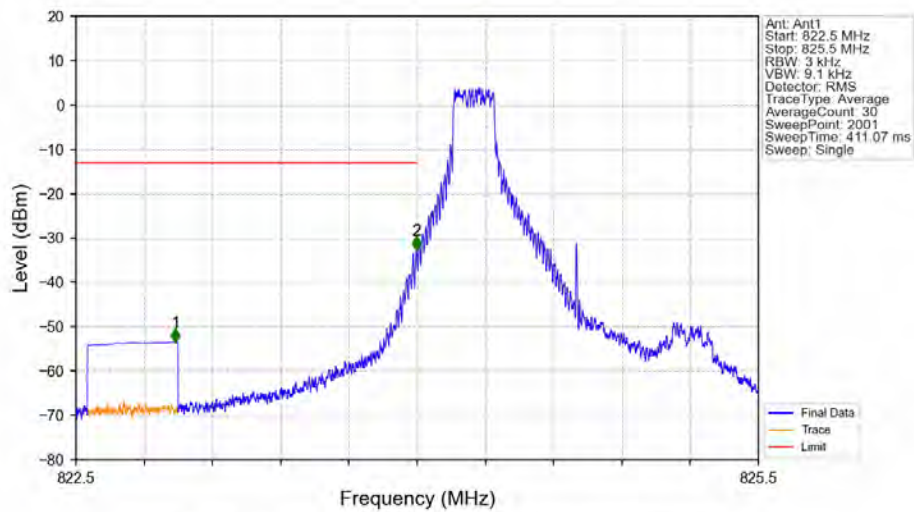
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-33.32	-13	Pass
850	850.5	0.1	CHP	2	850.000	-53.71	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



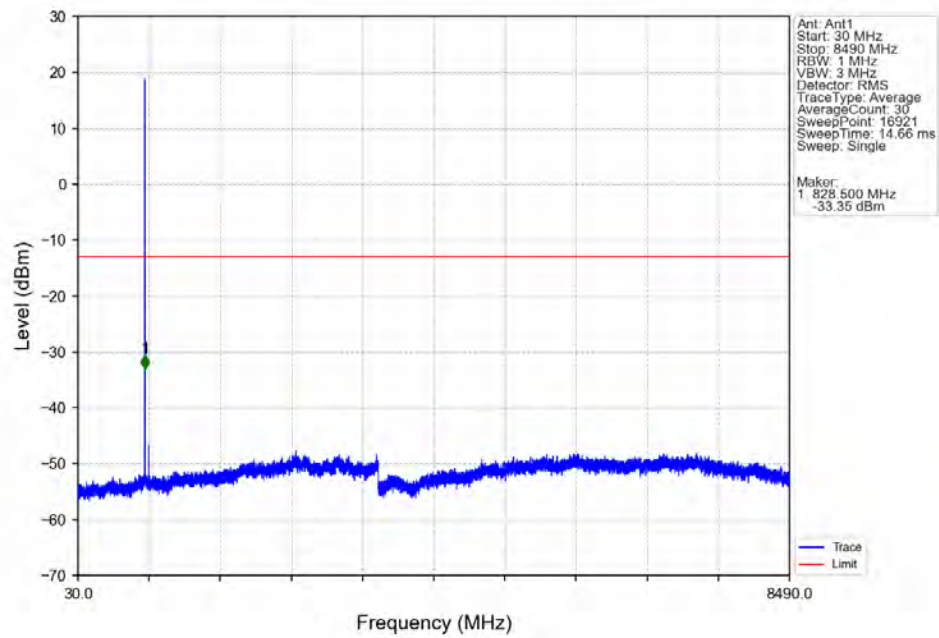
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.003	-34.95	-13	Pass
850	850.5	0.1	CHP	2	850.002	-44.56	-13	Pass

Band5 1.4MHz 16QAM LCH 824.7MHz RB 1.0 NTNV

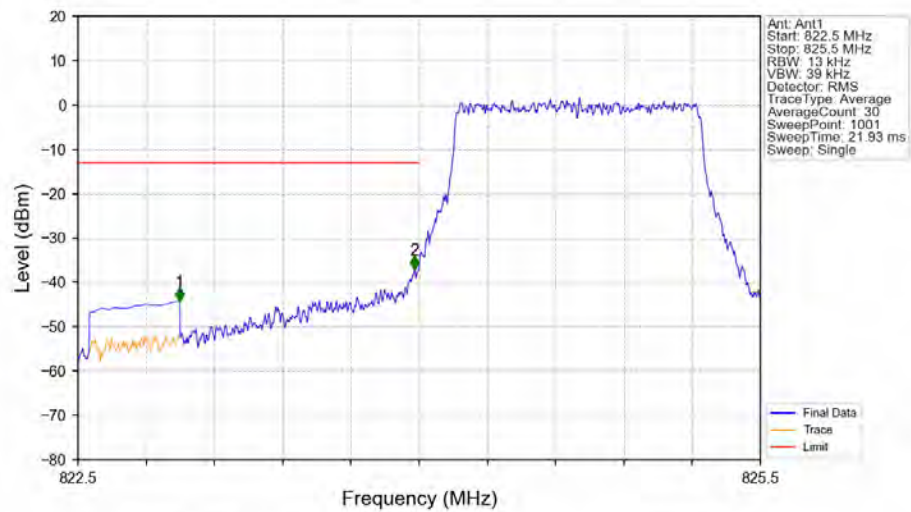


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.937	-53.50	-13	Pass
823	824	0.003	/	2	823.997	-32.71	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

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

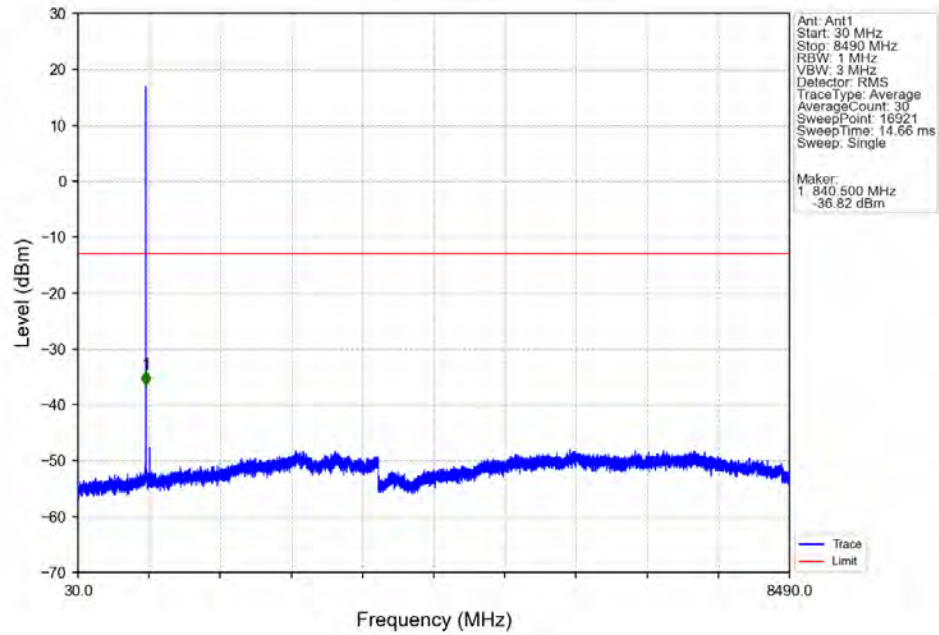


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV

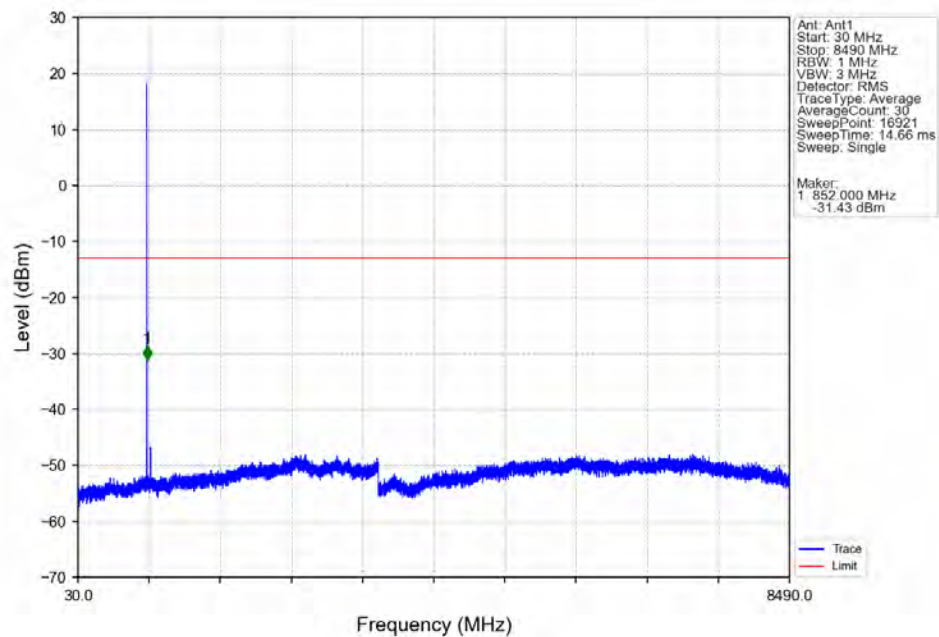


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-44.32	-13	Pass
823	824	0.013	/	2	823.979	-37.18	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

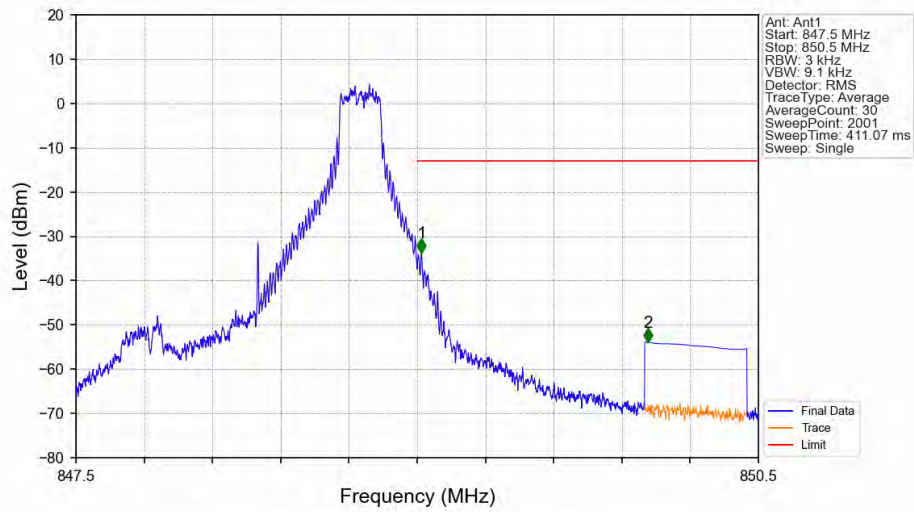
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

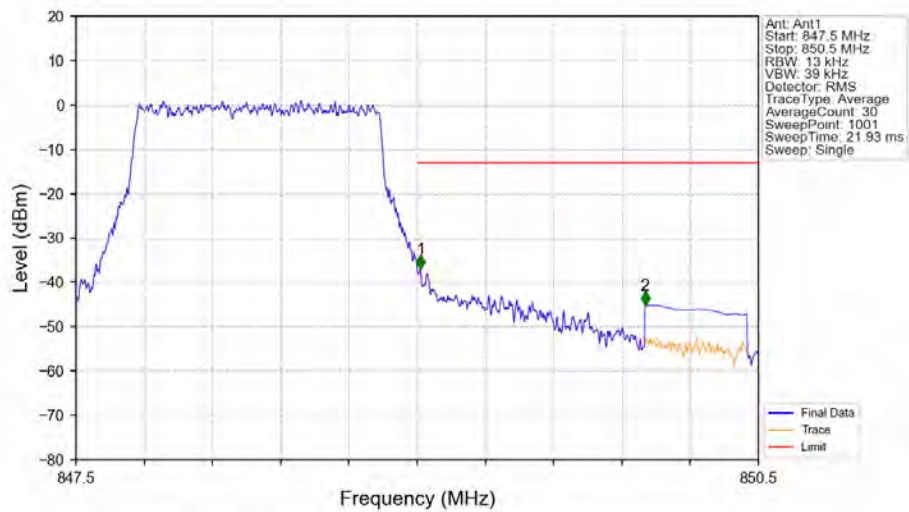


Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.019	-33.65	-13	Pass
850	850.5	0.1	CHP	2	850.015	-53.90	-13	Pass

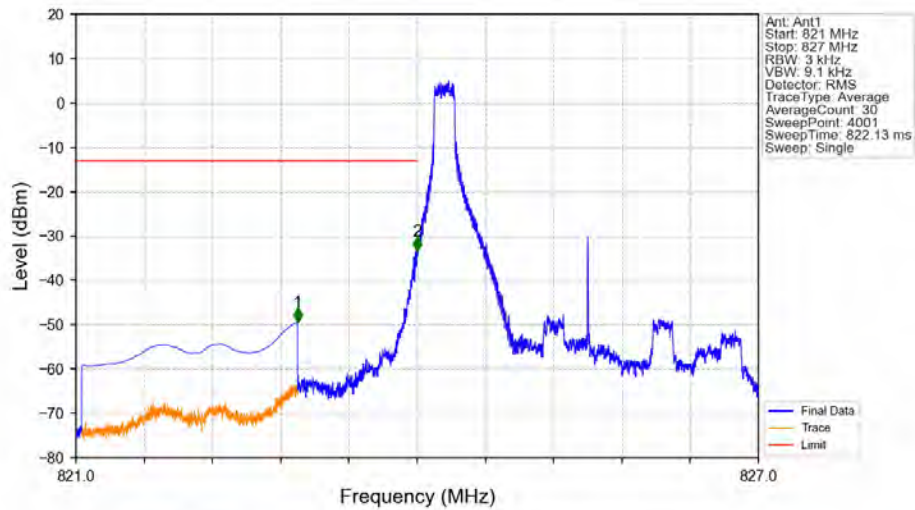
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.015	-36.87	-13	Pass
850	850.5	0.1	CHP	2	850.002	-45.08	-13	Pass

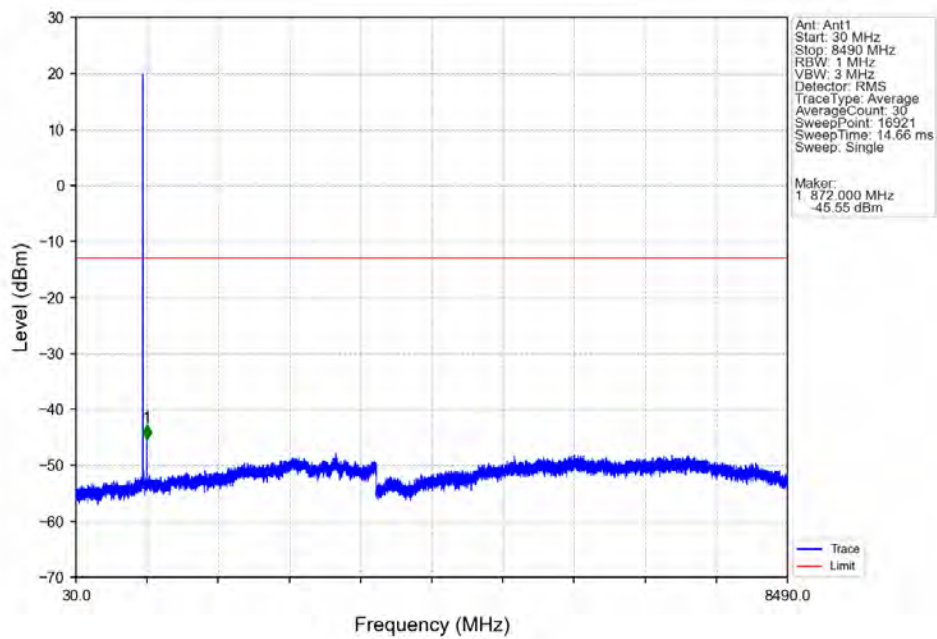
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

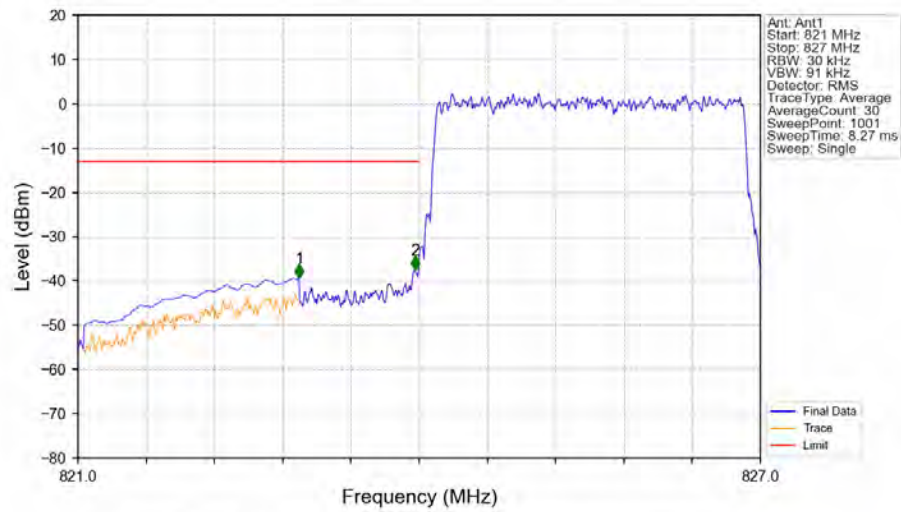


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-49.31	-13	Pass
823	824	0.003	/	2	823.999	-33.40	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

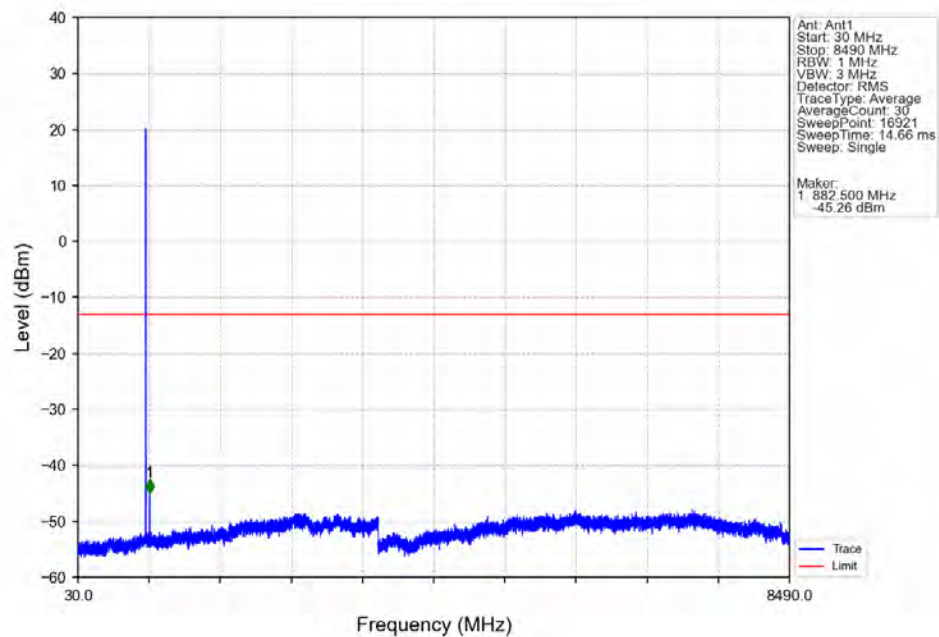


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

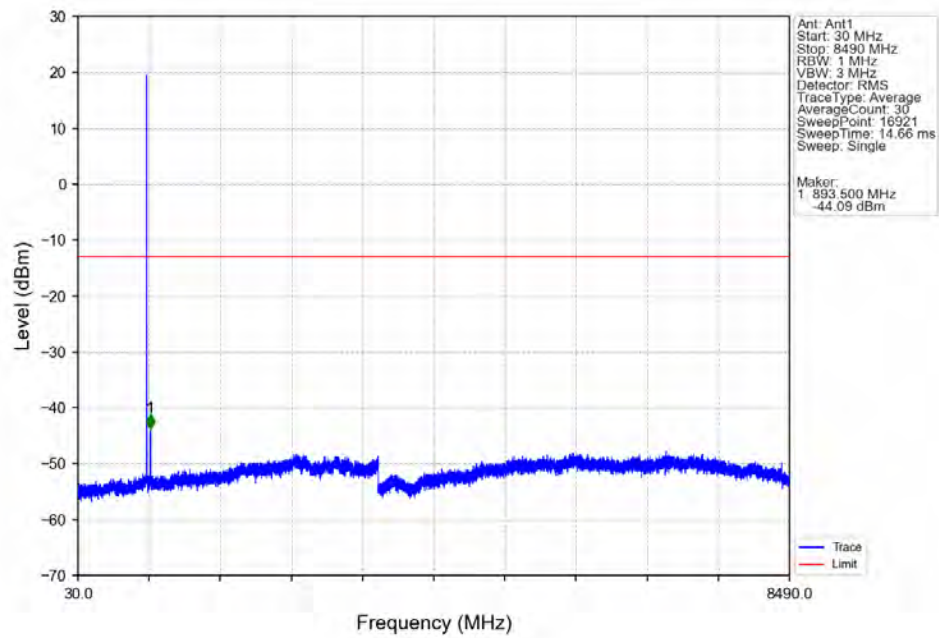


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-39.29	-13	Pass
823	824	0.03	/	2	823.964	-37.48	-13	Pass
824	827	0.03	/	/	/	/	/	/

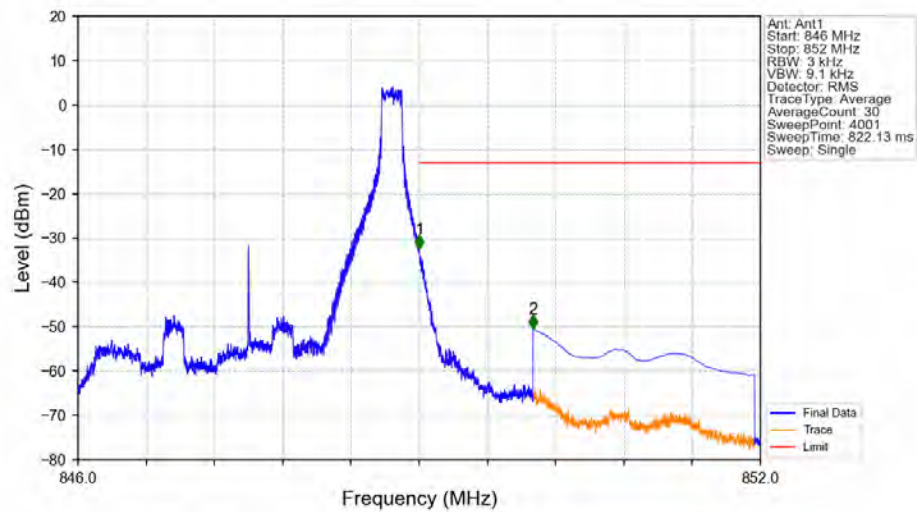
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

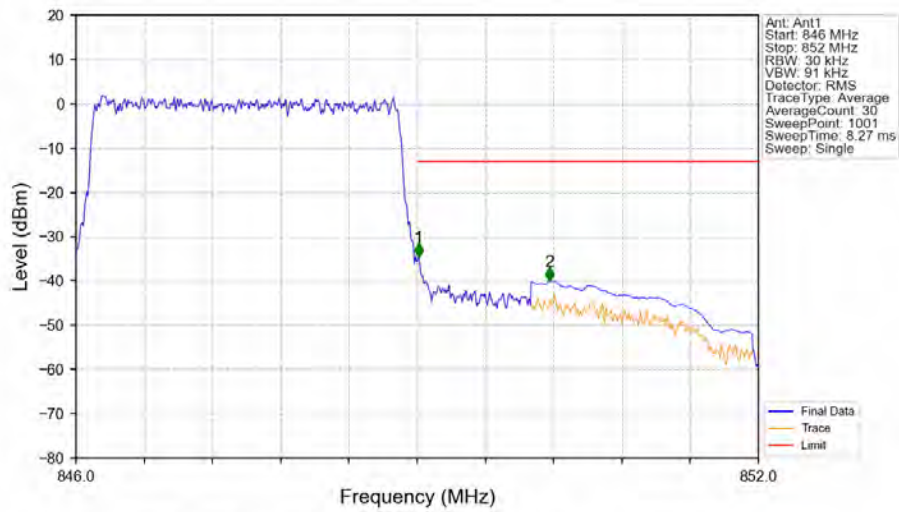


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTN



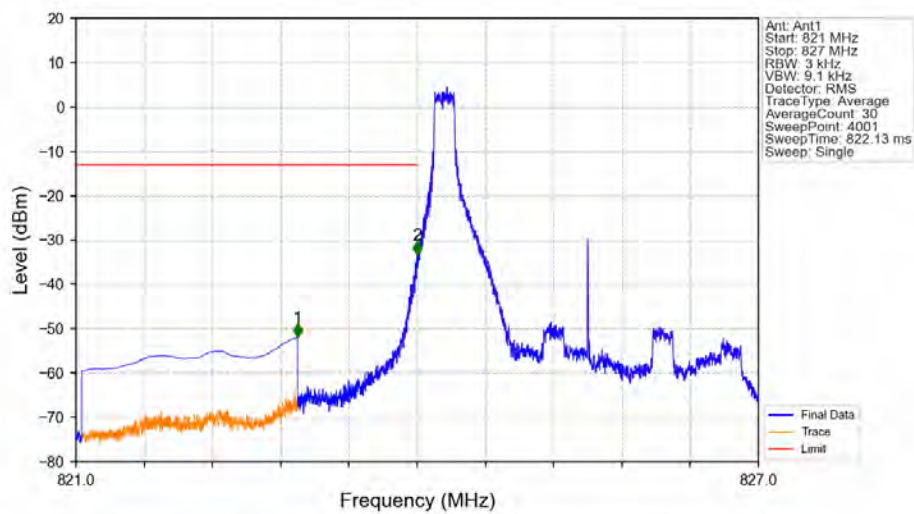
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.46	-13	Pass
850	852	0.1	CHP	2	850.000	-50.45	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



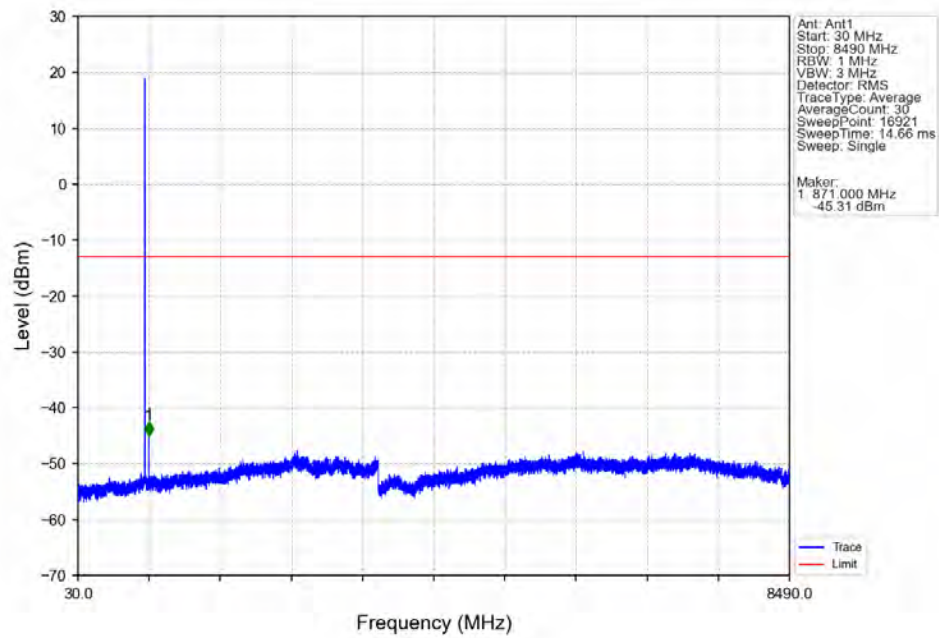
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.012	-34.61	-13	Pass
850	852	0.1	CHP	2	850.164	-40.01	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

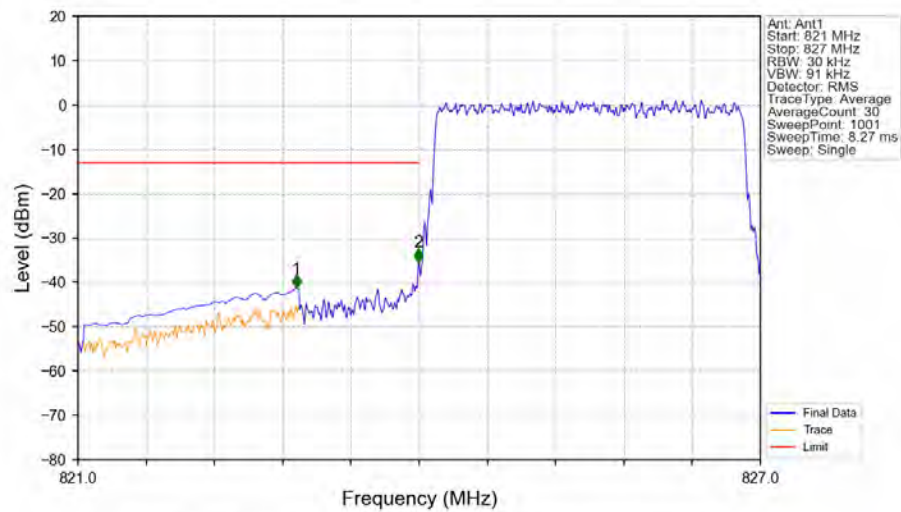


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.947	-51.84	-13	Pass
823	824	0.003	/	2	823.999	-33.24	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

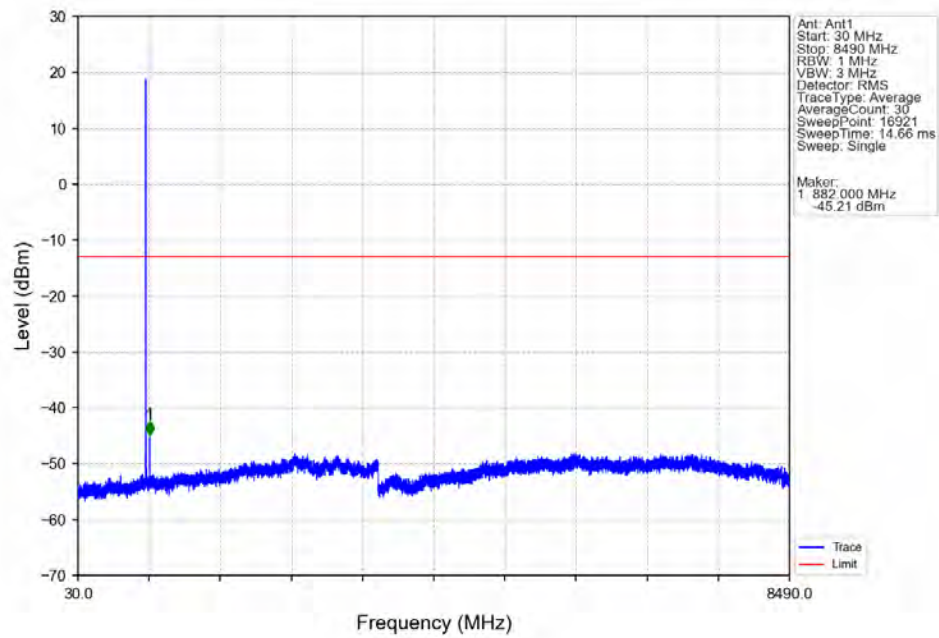


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

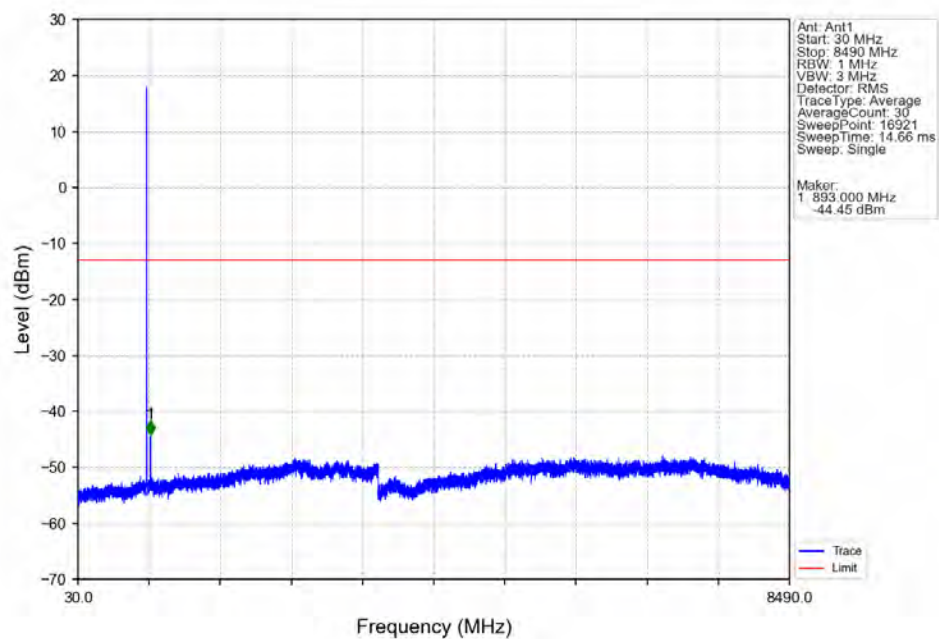


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.920	-41.33	-13	Pass
823	824	0.03	/	2	823.994	-35.41	-13	Pass
824	827	0.03	/	/	/	/	/	/

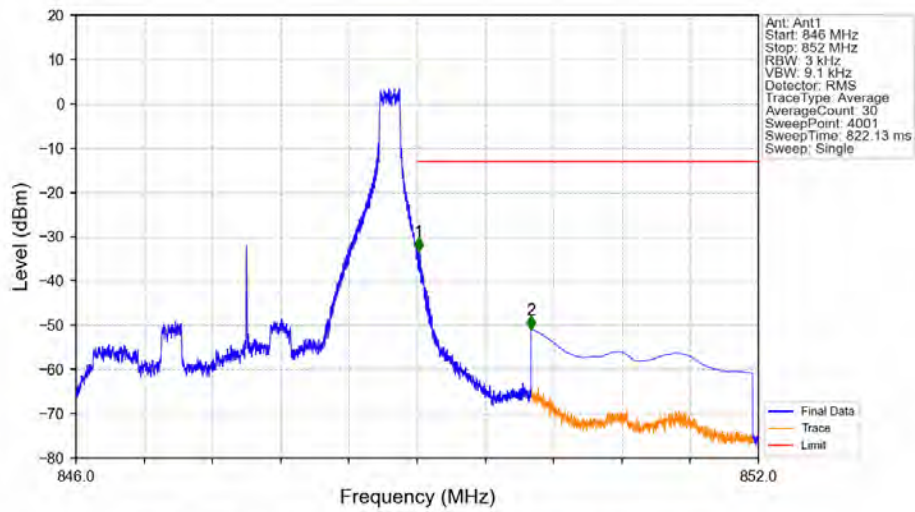
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



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

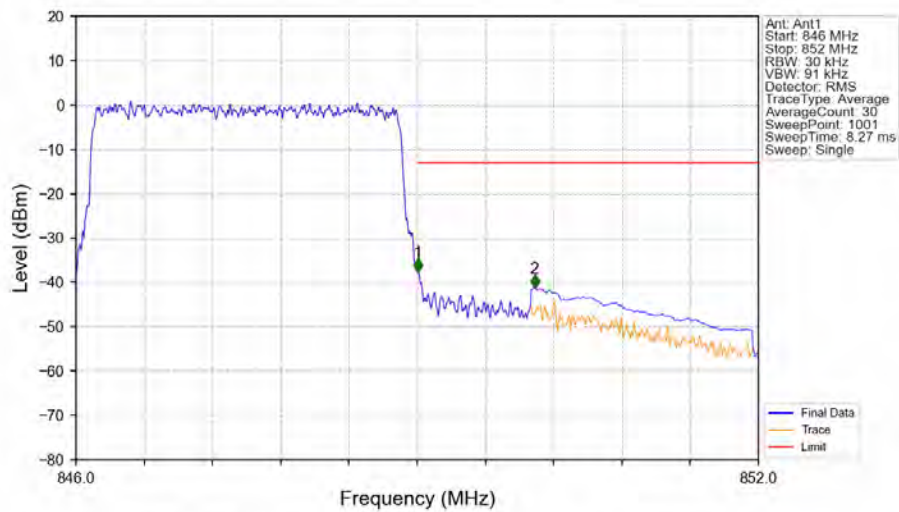


Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-33.36	-13	Pass
850	852	0.1	CHP	2	850.000	-50.97	-13	Pass

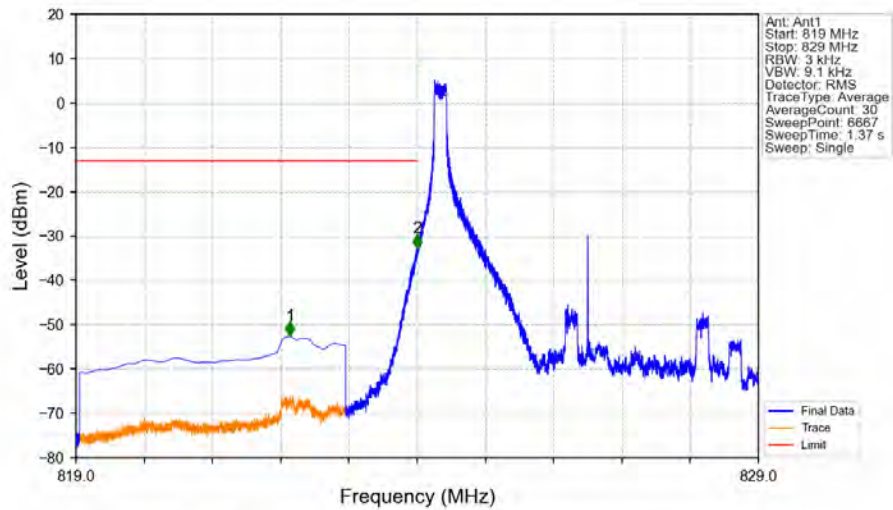
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



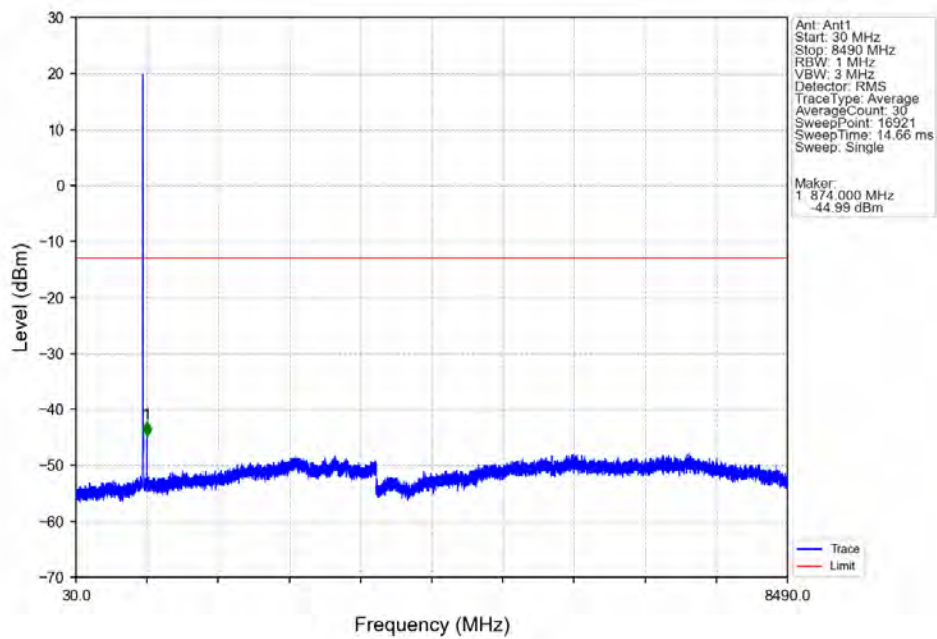
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-37.72	-13	Pass
850	852	0.1	CHP	2	850.032	-41.28	-13	Pass

6.2.3 B5_5MHz

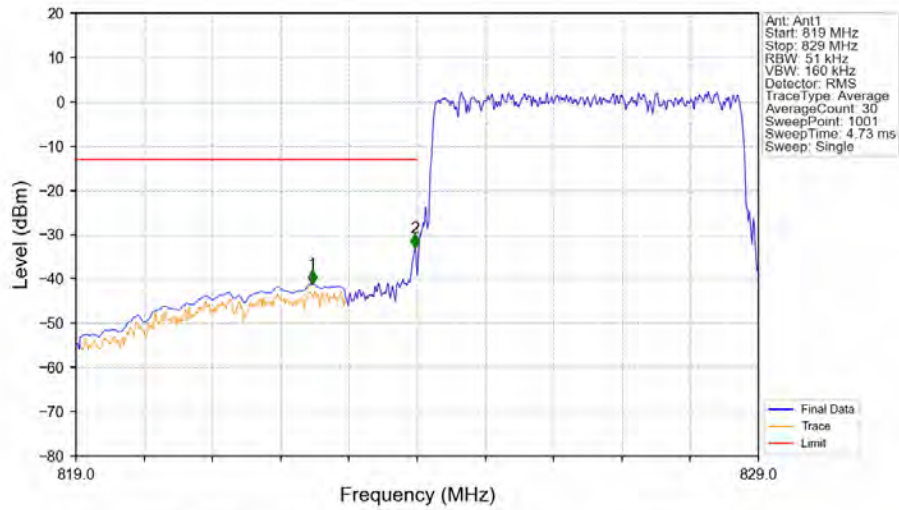
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

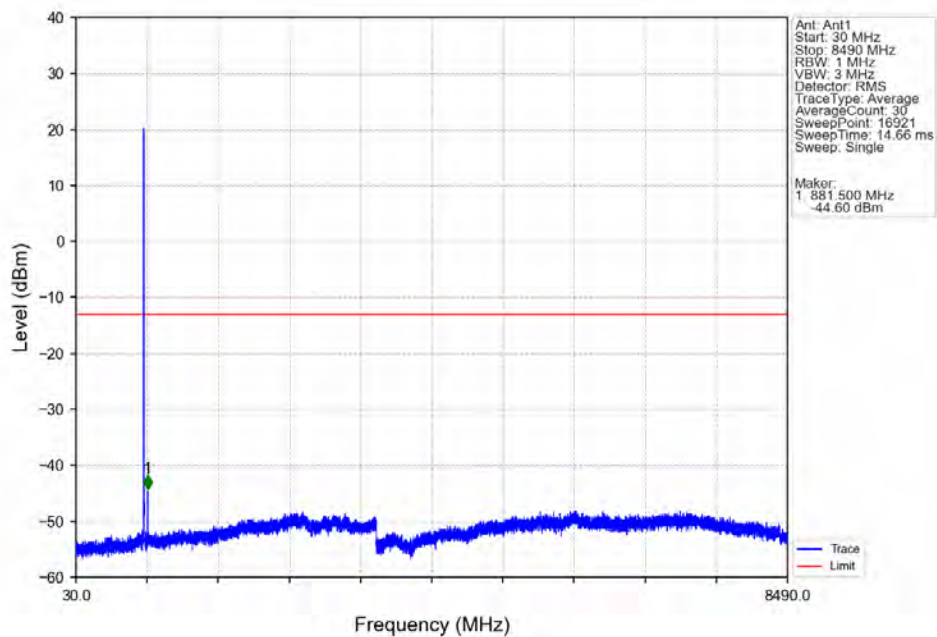


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

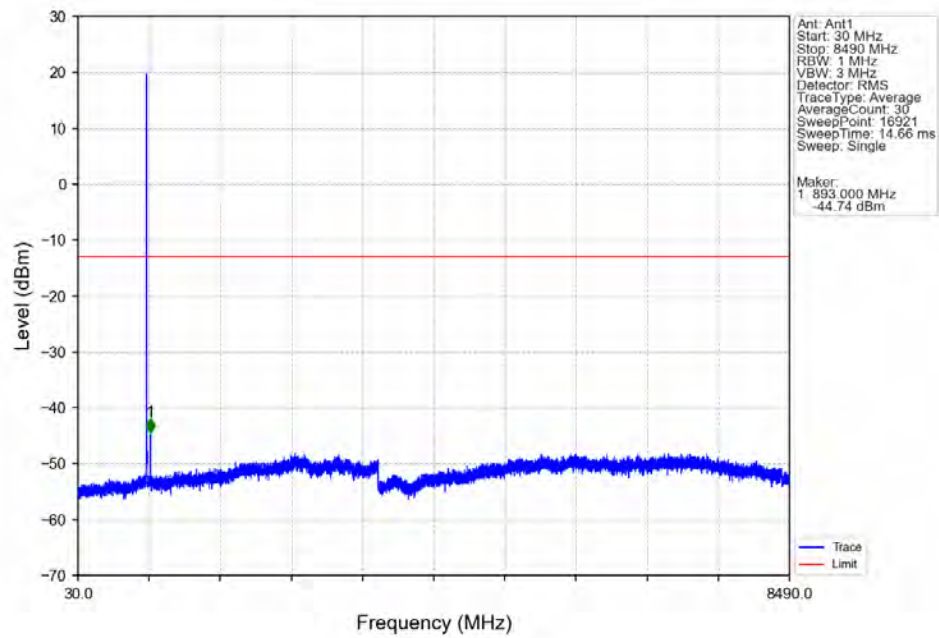


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.460	-41.12	-13	Pass
823	824	0.051	/	2	823.970	-32.87	-13	Pass
824	829	0.051	/	/	/	/	/	/

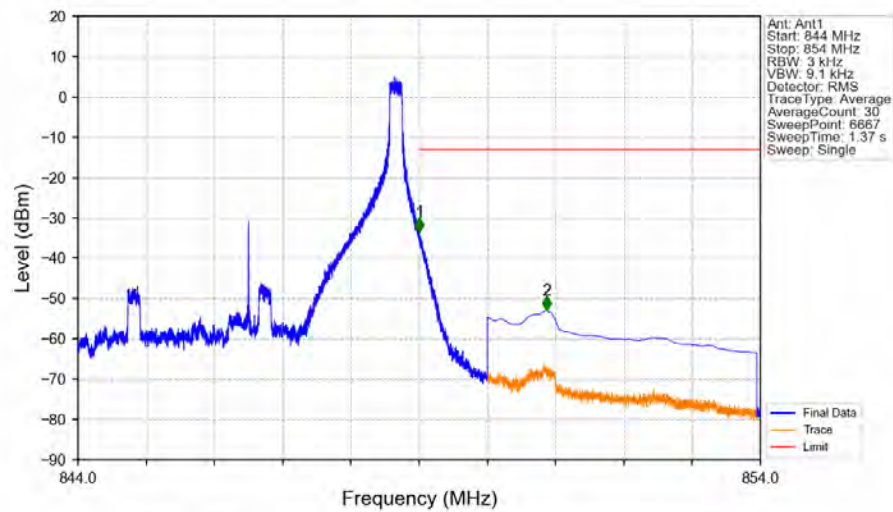
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

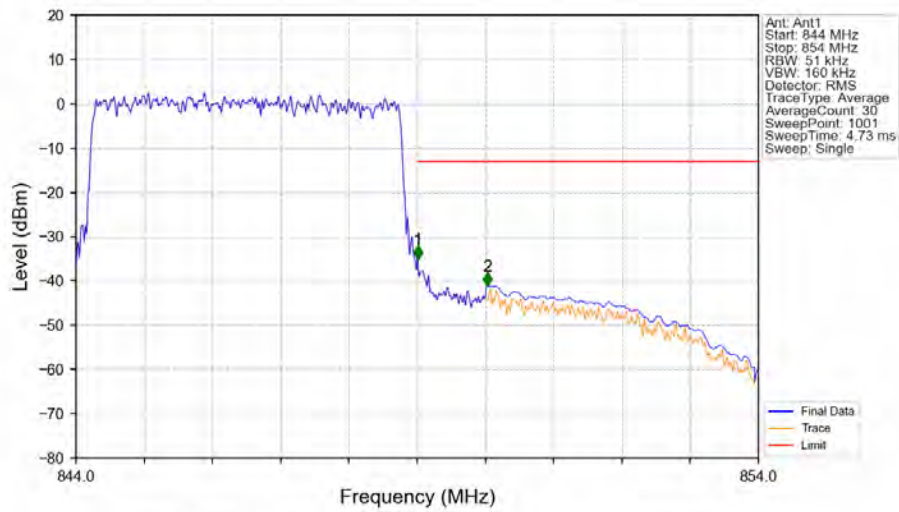


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTN



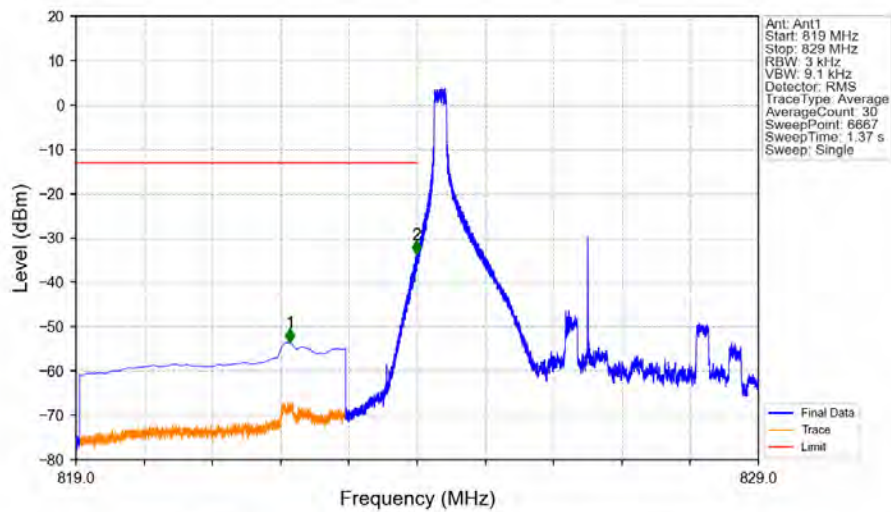
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-33.46	-13	Pass
850	854	0.1	CHP	2	850.865	-52.95	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



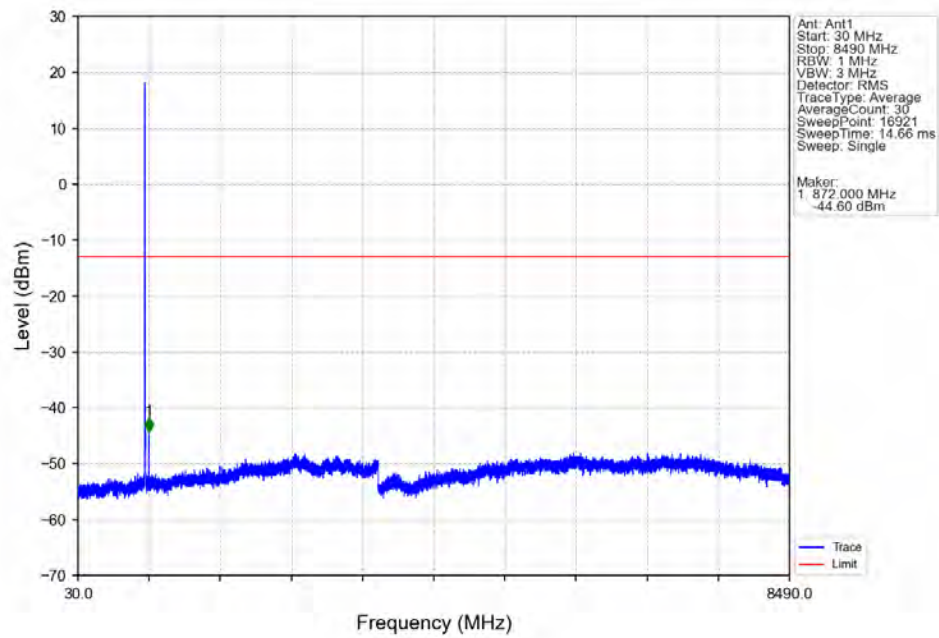
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-35.16	-13	Pass
850	854	0.1	CHP	2	850.030	-41.11	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

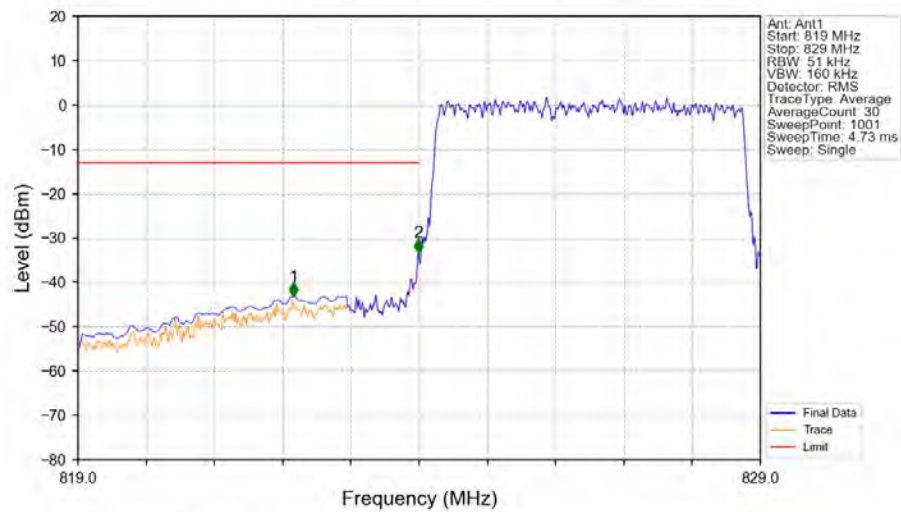


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.134	-53.51	-13	Pass
823	824	0.003	/	2	823.988	-33.73	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

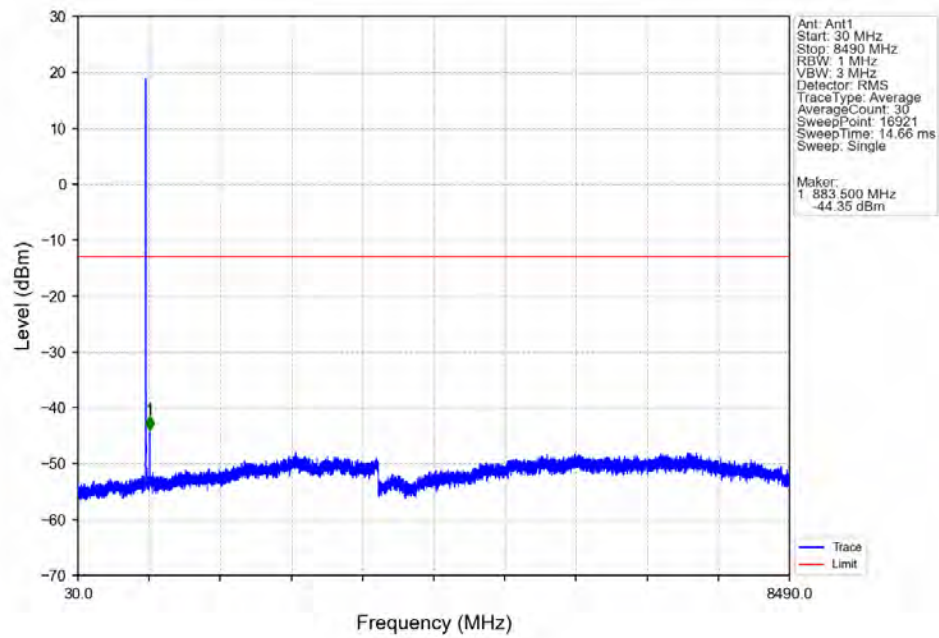


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

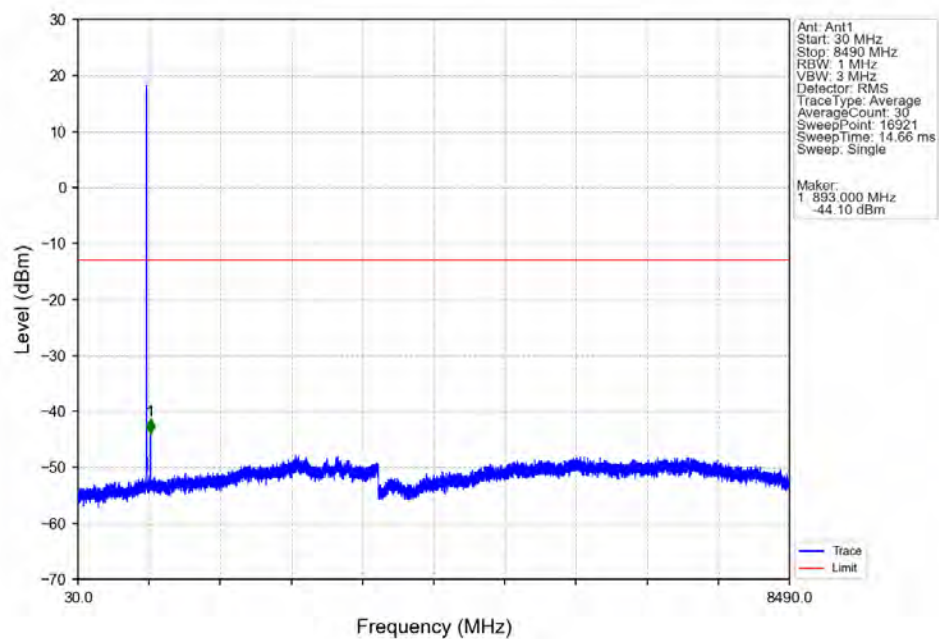


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.160	-43.14	-13	Pass
823	824	0.051	/	2	823.990	-33.22	-13	Pass
824	829	0.051	/	/	/	/	/	/

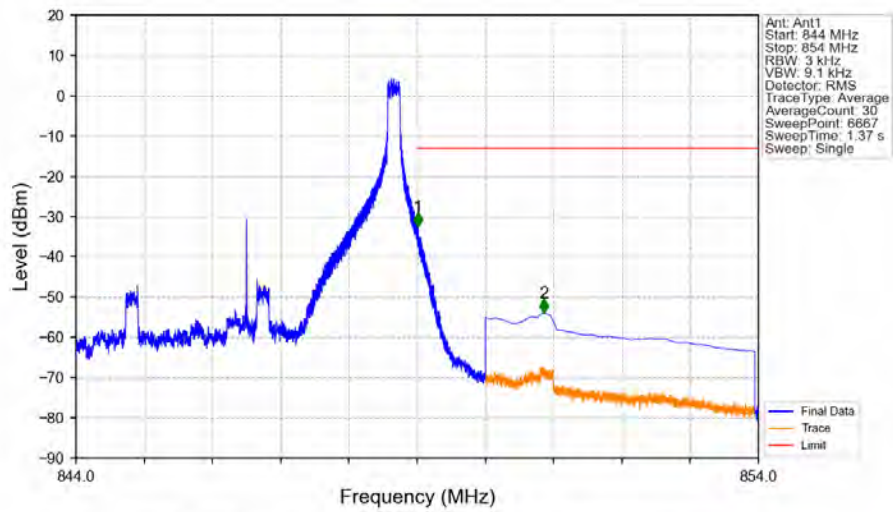
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



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

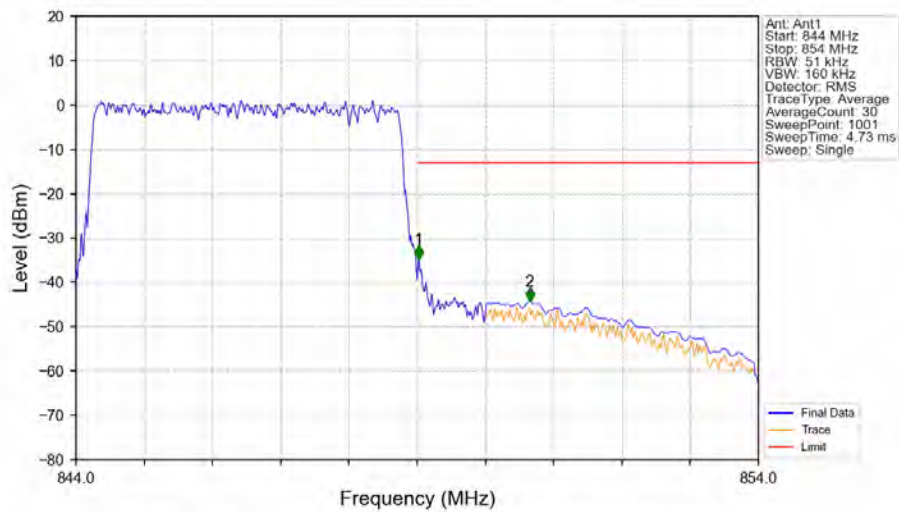


Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-32.53	-13	Pass
850	854	0.1	CHP	2	850.860	-53.87	-13	Pass

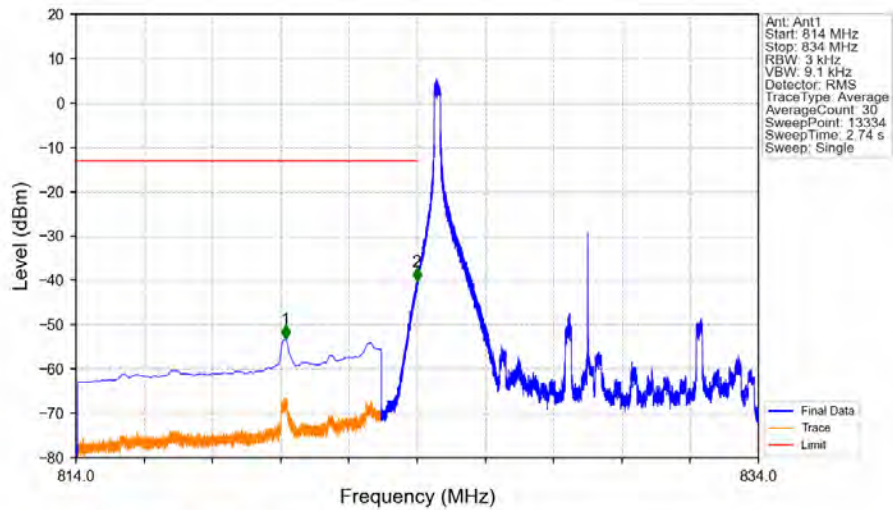
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



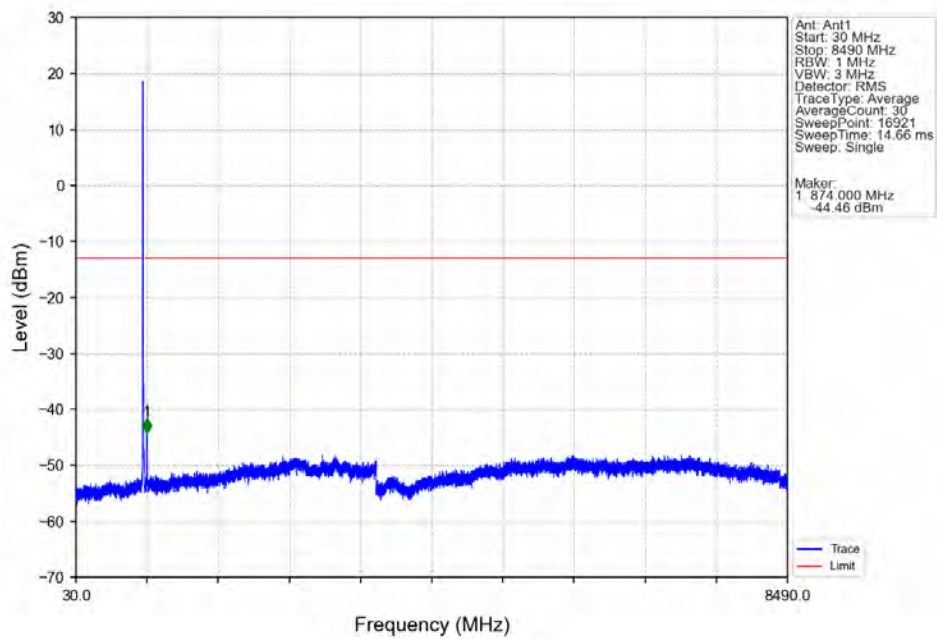
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.020	-34.84	-13	Pass
850	854	0.1	CHP	2	850.650	-44.33	-13	Pass

6.2.4 B5_10MHz

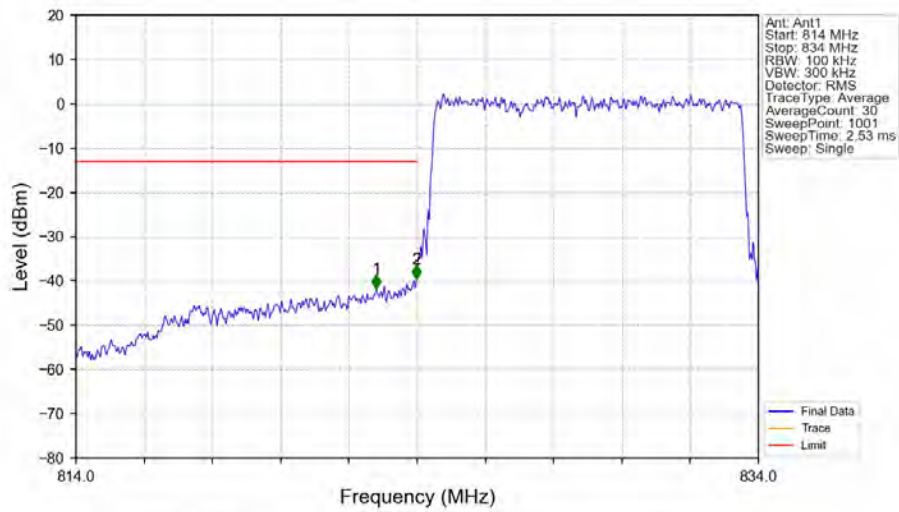
Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

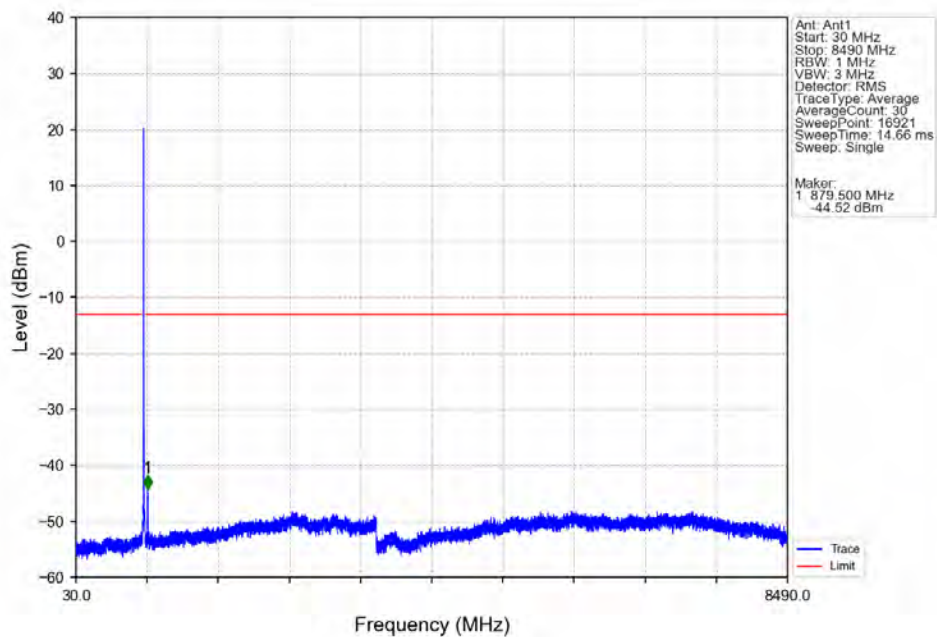


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



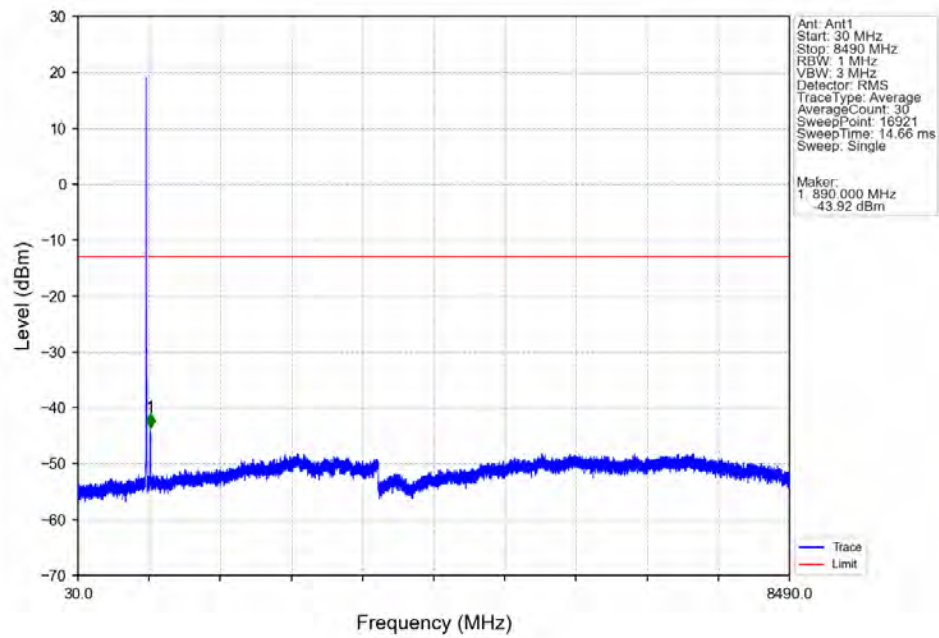
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.800	-41.75	-13	Pass
823	824	0.1	/	2	823.980	-39.55	-13	Pass
824	834	0.1	/	/	/	/	/	/

Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV

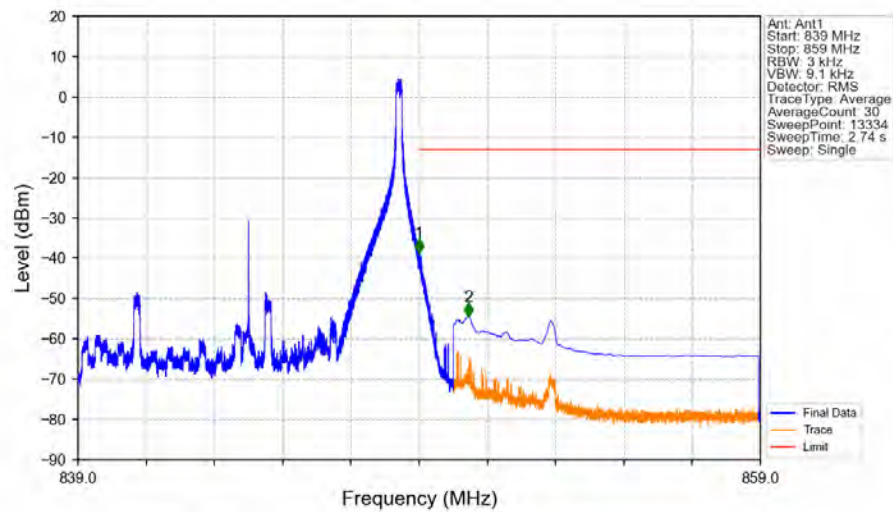


Marker:
1 879.500 MHz
-44.52 dBm

Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

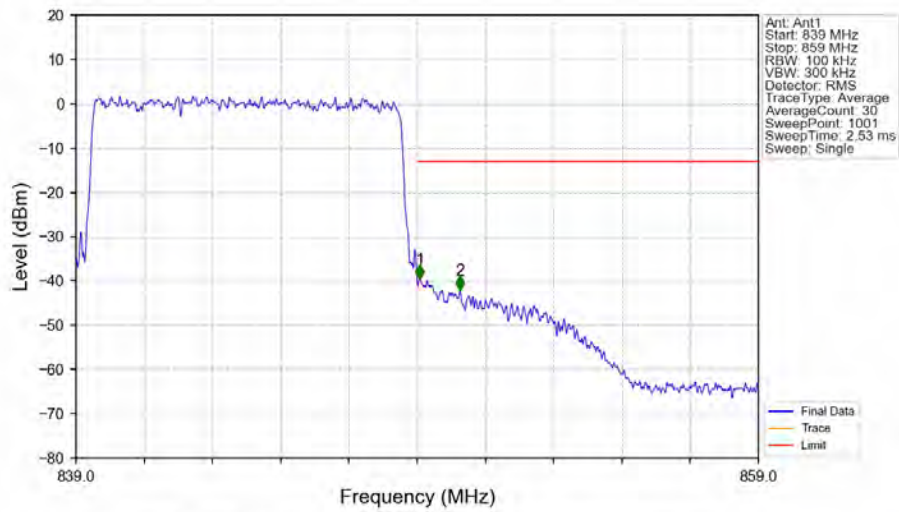


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



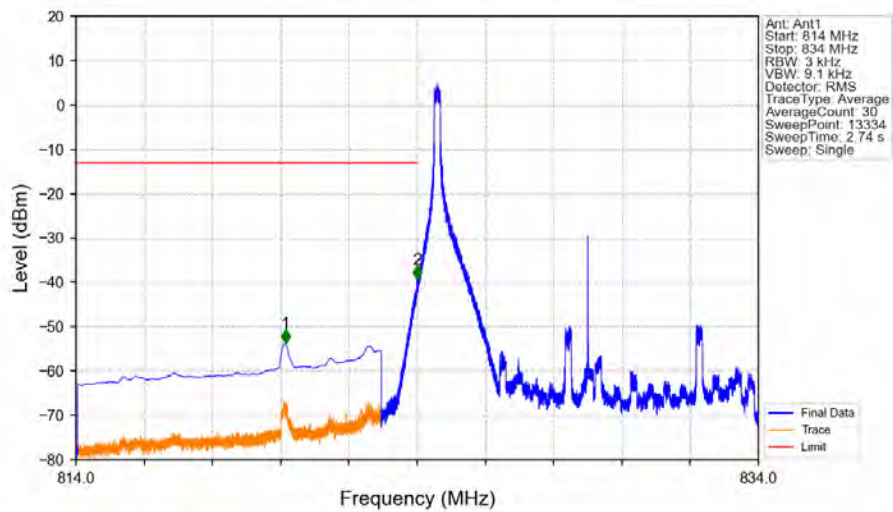
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-38.74	-13	Pass
850	859	0.1	CHP	2	850.448	-54.47	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



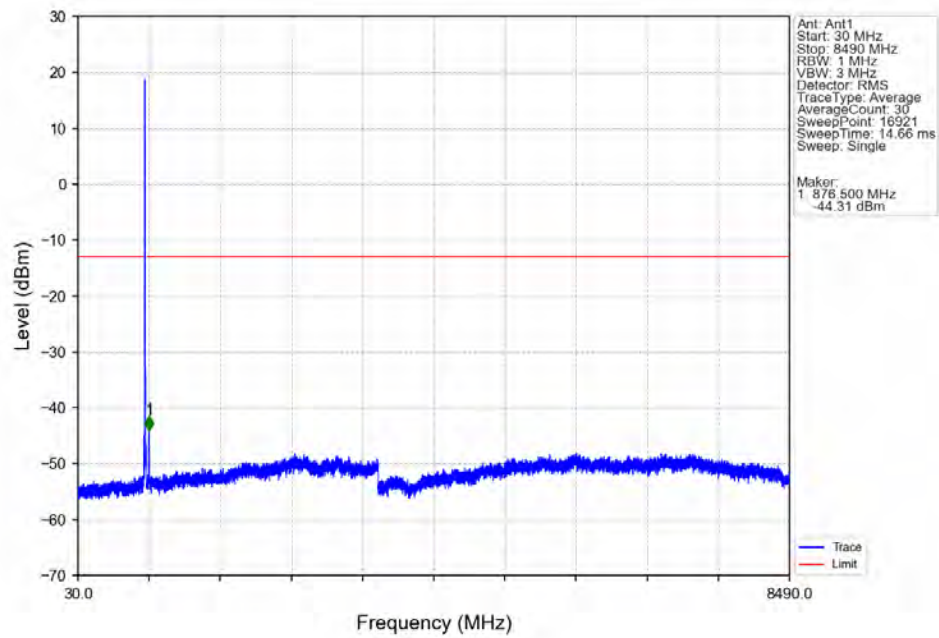
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.080	-39.51	-13	Pass
850	859	0.1	/	2	850.260	-42.08	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

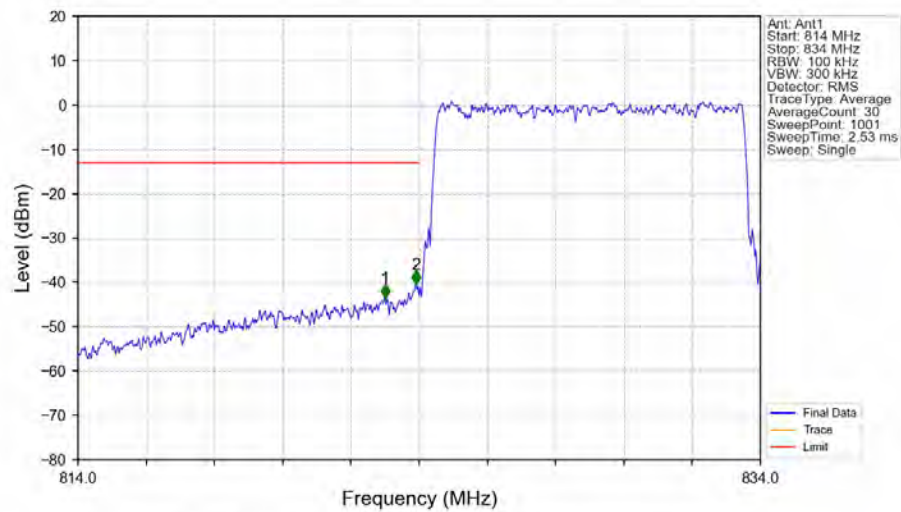


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.141	-53.70	-13	Pass
823	824	0.003	/	2	823.998	-39.38	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

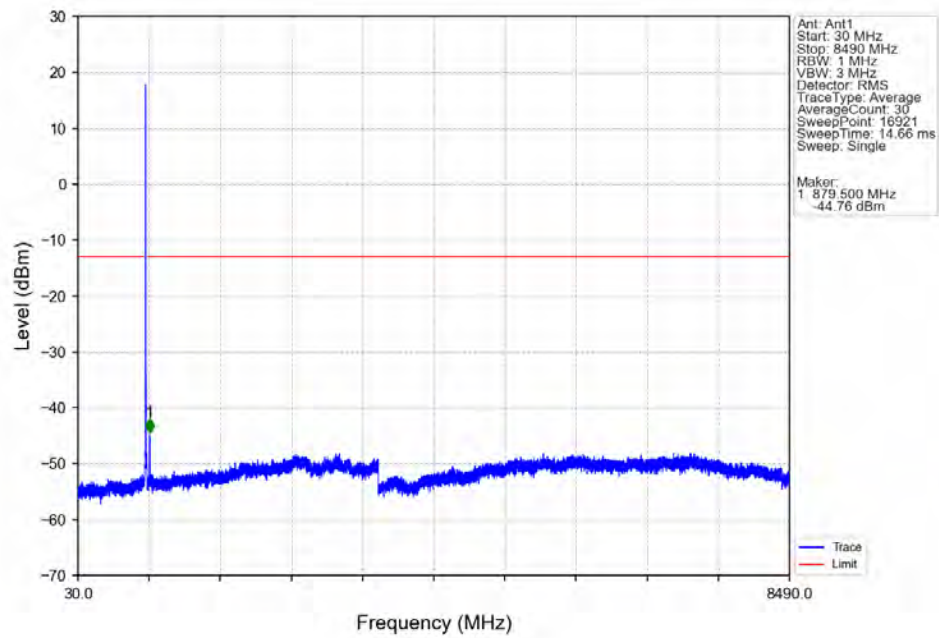


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

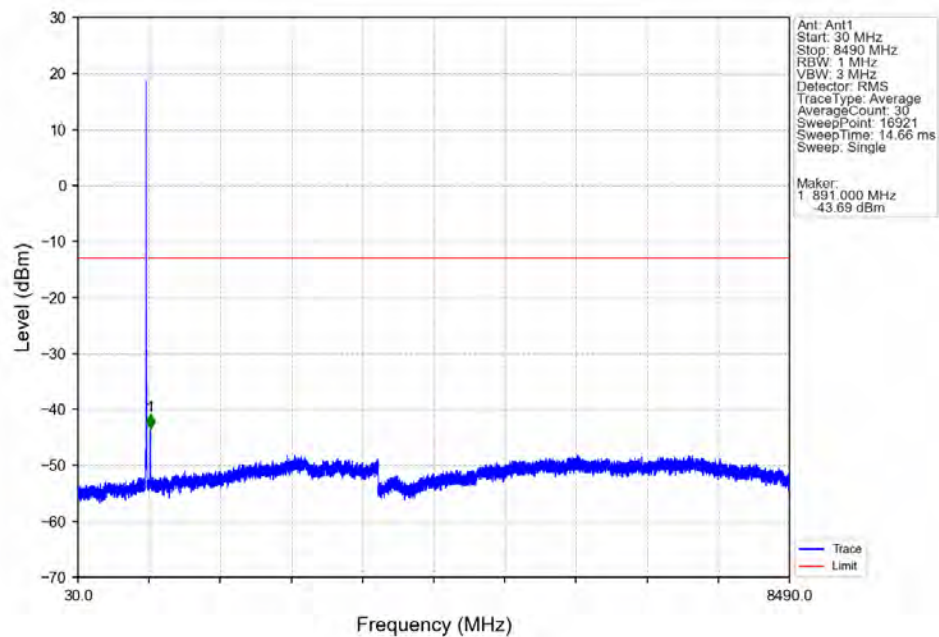


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	823.000	-43.46	-13	Pass
823	824	0.1	/	2	823.900	-40.40	-13	Pass
824	834	0.1	/	/	/	/	/	/

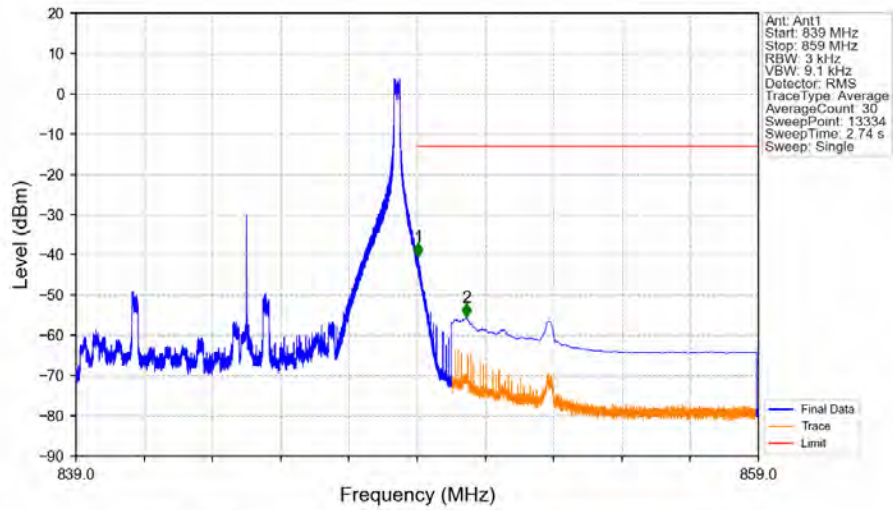
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

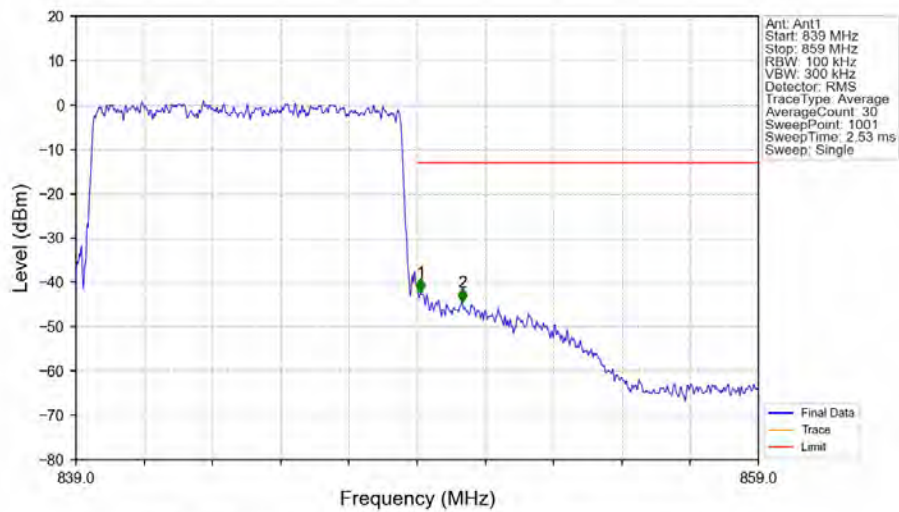


Band5 10MHz 16QAM HCH 844MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.028	-40.46	-13	Pass
850	859	0.1	CHP	2	850.442	-55.56	-13	Pass

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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.100	-42.23	-13	Pass
850	859	0.1	/	2	850.320	-44.36	-13	Pass

