

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	27.22	-0.34	24.73	<=38.45	Pass
			2	27.19	-0.34	24.70	<=38.45	Pass
			5	26.97	-0.34	24.48	<=38.45	Pass
		3	0	27.02	-0.34	24.53	<=38.45	Pass
			2	27.01	-0.34	24.52	<=38.45	Pass
			3	26.92	-0.34	24.43	<=38.45	Pass
		6	0	26.97	-0.34	24.48	<=38.45	Pass
	836.5	1	0	27.94	-0.34	25.45	<=38.45	Pass
			2	27.99	-0.34	25.50	<=38.45	Pass
			5	27.77	-0.34	25.28	<=38.45	Pass
		3	0	28.09	-0.34	25.60	<=38.45	Pass
			2	28.07	-0.34	25.58	<=38.45	Pass
			3	27.97	-0.34	25.48	<=38.45	Pass
		6	0	28.07	-0.34	25.58	<=38.45	Pass
	848.3	1	0	26.41	-0.34	23.92	<=38.45	Pass
			2	26.31	-0.34	23.82	<=38.45	Pass
			5	25.86	-0.34	23.37	<=38.45	Pass
		3	0	26.44	-0.34	23.95	<=38.45	Pass
			2	26.29	-0.34	23.80	<=38.45	Pass
			3	26.11	-0.34	23.62	<=38.45	Pass
		6	0	26.32	-0.34	23.83	<=38.45	Pass
16QAM	824.7	1	0	26.69	-0.34	24.20	<=38.45	Pass
			2	26.78	-0.34	24.29	<=38.45	Pass
			5	26.65	-0.34	24.16	<=38.45	Pass
		3	0	26.77	-0.34	24.28	<=38.45	Pass
			2	26.78	-0.34	24.29	<=38.45	Pass
			3	26.71	-0.34	24.22	<=38.45	Pass
		6	0	26.70	-0.34	24.21	<=38.45	Pass
	836.5	1	0	27.90	-0.34	25.41	<=38.45	Pass
			2	27.97	-0.34	25.48	<=38.45	Pass
			5	27.77	-0.34	25.28	<=38.45	Pass
		3	0	27.83	-0.34	25.34	<=38.45	Pass
			2	27.83	-0.34	25.34	<=38.45	Pass
			3	27.75	-0.34	25.26	<=38.45	Pass
		6	0	27.87	-0.34	25.38	<=38.45	Pass
	848.3	1	0	26.17	-0.34	23.68	<=38.45	Pass
			2	26.11	-0.34	23.62	<=38.45	Pass
			5	25.69	-0.34	23.20	<=38.45	Pass
		3	0	26.38	-0.34	23.89	<=38.45	Pass
			2	26.27	-0.34	23.78	<=38.45	Pass
			3	26.13	-0.34	23.64	<=38.45	Pass
		6	0	26.13	-0.34	23.64	<=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	26.05	-0.34	23.56	<=38.45	Pass
			7	26.71	-0.34	24.22	<=38.45	Pass
			14	26.05	-0.34	23.56	<=38.45	Pass
		8	0	26.55	-0.34	24.06	<=38.45	Pass
			4	26.71	-0.34	24.22	<=38.45	Pass
			7	26.55	-0.34	24.06	<=38.45	Pass
		15	0	26.52	-0.34	24.03	<=38.45	Pass
	836.5	1	0	27.48	-0.34	24.99	<=38.45	Pass
			7	27.94	-0.34	25.45	<=38.45	Pass
			14	26.91	-0.34	24.42	<=38.45	Pass
		8	0	27.91	-0.34	25.42	<=38.45	Pass
			4	27.94	-0.34	25.45	<=38.45	Pass
			7	27.67	-0.34	25.18	<=38.45	Pass
		15	0	27.79	-0.34	25.30	<=38.45	Pass
	847.5	1	0	26.45	-0.34	23.96	<=38.45	Pass
			7	26.66	-0.34	24.17	<=38.45	Pass
			14	25.31	-0.34	22.82	<=38.45	Pass
		8	0	26.79	-0.34	24.30	<=38.45	Pass
			4	26.66	-0.34	24.17	<=38.45	Pass
			7	26.23	-0.34	23.74	<=38.45	Pass
		15	0	26.53	-0.34	24.04	<=38.45	Pass
16QAM	825.5	1	0	26.34	-0.34	23.85	<=38.45	Pass
			7	26.95	-0.34	24.46	<=38.45	Pass
			14	26.30	-0.34	23.81	<=38.45	Pass
		8	0	26.54	-0.34	24.05	<=38.45	Pass
			4	26.70	-0.34	24.21	<=38.45	Pass
			7	26.55	-0.34	24.06	<=38.45	Pass
		15	0	26.46	-0.34	23.97	<=38.45	Pass
	836.5	1	0	27.28	-0.34	24.79	<=38.45	Pass
			7	27.77	-0.34	25.28	<=38.45	Pass
			14	26.87	-0.34	24.38	<=38.45	Pass
		8	0	27.76	-0.34	25.27	<=38.45	Pass
			4	27.81	-0.34	25.32	<=38.45	Pass
			7	27.57	-0.34	25.08	<=38.45	Pass
		15	0	27.67	-0.34	25.18	<=38.45	Pass
	847.5	1	0	26.39	-0.34	23.90	<=38.45	Pass
			7	26.64	-0.34	24.15	<=38.45	Pass
			14	25.41	-0.34	22.92	<=38.45	Pass
		8	0	26.54	-0.34	24.05	<=38.45	Pass
4			26.46	-0.34	23.97	<=38.45	Pass	
7			26.08	-0.34	23.59	<=38.45	Pass	
15		0	26.32	-0.34	23.83	<=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	26.89	-0.34	24.40	<=38.45	Pass
			13	26.94	-0.34	24.45	<=38.45	Pass
			24	27.02	-0.34	24.53	<=38.45	Pass
		12	0	26.78	-0.34	24.29	<=38.45	Pass
			6	26.85	-0.34	24.36	<=38.45	Pass
			13	26.93	-0.34	24.44	<=38.45	Pass
		25	0	26.82	-0.34	24.33	<=38.45	Pass
	836.5	1	0	27.99	-0.34	25.50	<=38.45	Pass
			13	27.94	-0.34	25.45	<=38.45	Pass
			24	27.31	-0.34	24.82	<=38.45	Pass
		12	0	28.08	-0.34	25.59	<=38.45	Pass
			6	28.01	-0.34	25.52	<=38.45	Pass
			13	27.68	-0.34	25.19	<=38.45	Pass
		25	0	27.90	-0.34	25.41	<=38.45	Pass
	846.5	1	0	26.96	-0.34	24.47	<=38.45	Pass
			13	26.97	-0.34	24.48	<=38.45	Pass
			24	25.97	-0.34	23.48	<=38.45	Pass
		12	0	27.10	-0.34	24.61	<=38.45	Pass
			6	27.06	-0.34	24.57	<=38.45	Pass
			13	26.62	-0.34	24.13	<=38.45	Pass
		25	0	26.89	-0.34	24.40	<=38.45	Pass
16QAM	826.5	1	0	26.63	-0.34	24.14	<=38.45	Pass
			13	26.74	-0.34	24.25	<=38.45	Pass
			24	26.85	-0.34	24.36	<=38.45	Pass
		12	0	26.59	-0.34	24.10	<=38.45	Pass
			6	26.66	-0.34	24.17	<=38.45	Pass
			13	26.72	-0.34	24.23	<=38.45	Pass
		25	0	26.69	-0.34	24.20	<=38.45	Pass
	836.5	1	0	27.95	-0.34	25.46	<=38.45	Pass
			13	27.97	-0.34	25.48	<=38.45	Pass
			24	27.42	-0.34	24.93	<=38.45	Pass
		12	0	27.88	-0.34	25.39	<=38.45	Pass
			6	27.85	-0.34	25.36	<=38.45	Pass
			13	27.58	-0.34	25.09	<=38.45	Pass
		25	0	27.74	-0.34	25.25	<=38.45	Pass
	846.5	1	0	26.61	-0.34	24.12	<=38.45	Pass
			13	26.64	-0.34	24.15	<=38.45	Pass
			24	25.70	-0.34	23.21	<=38.45	Pass
		12	0	26.88	-0.34	24.39	<=38.45	Pass
			6	26.83	-0.34	24.34	<=38.45	Pass
			13	26.44	-0.34	23.95	<=38.45	Pass
		25	0	26.74	-0.34	24.25	<=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	26.67	-0.34	24.18	<=38.45	Pass
			25	27.18	-0.34	24.69	<=38.45	Pass
			49	27.84	-0.34	25.35	<=38.45	Pass
		25	0	26.89	-0.34	24.40	<=38.45	Pass

16QAM	836.5	50	13	27.24	-0.34	24.75	<=38.45	Pass
			25	27.61	-0.34	25.12	<=38.45	Pass
			0	27.28	-0.34	24.79	<=38.45	Pass
		1	0	27.60	-0.34	25.11	<=38.45	Pass
			25	27.96	-0.34	25.47	<=38.45	Pass
			49	26.66	-0.34	24.17	<=38.45	Pass
		25	0	28.02	-0.34	25.53	<=38.45	Pass
			13	27.95	-0.34	25.46	<=38.45	Pass
			25	27.41	-0.34	24.92	<=38.45	Pass
		50	0	27.78	-0.34	25.29	<=38.45	Pass
	844	1	0	26.99	-0.34	24.50	<=38.45	Pass
			25	27.07	-0.34	24.58	<=38.45	Pass
			49	26.06	-0.34	23.57	<=38.45	Pass
		25	0	26.91	-0.34	24.42	<=38.45	Pass
			13	27.05	-0.34	24.56	<=38.45	Pass
			25	26.94	-0.34	24.45	<=38.45	Pass
		50	0	26.96	-0.34	24.47	<=38.45	Pass
	829	1	0	26.57	-0.34	24.08	<=38.45	Pass
			25	27.06	-0.34	24.57	<=38.45	Pass
			49	27.71	-0.34	25.22	<=38.45	Pass
		25	0	26.73	-0.34	24.24	<=38.45	Pass
			13	27.04	-0.34	24.55	<=38.45	Pass
			25	27.38	-0.34	24.89	<=38.45	Pass
		50	0	27.07	-0.34	24.58	<=38.45	Pass
	836.5	1	0	27.67	-0.34	25.18	<=38.45	Pass
			25	28.13	-0.34	25.64	<=38.45	Pass
			49	26.99	-0.34	24.50	<=38.45	Pass
		25	0	27.82	-0.34	25.33	<=38.45	Pass
			13	27.81	-0.34	25.32	<=38.45	Pass
			25	27.35	-0.34	24.86	<=38.45	Pass
		50	0	27.60	-0.34	25.11	<=38.45	Pass
	844	1	0	26.84	-0.34	24.35	<=38.45	Pass
			25	26.83	-0.34	24.34	<=38.45	Pass
			49	25.90	-0.34	23.41	<=38.45	Pass
		25	0	26.85	-0.34	24.36	<=38.45	Pass
			13	26.92	-0.34	24.43	<=38.45	Pass
			25	26.79	-0.34	24.30	<=38.45	Pass
		50	0	26.80	-0.34	24.31	<=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	-3.490	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-9.456	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	2.847	0.0035	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0012	-2.5 to 2.5	Pass

				10	3.85	3.848	0.0047	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-9.456	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-11.301	-0.0137	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.975	-0.0036	-2.5 to 2.5	Pass
					3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
					4.43	0.658	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-6.065	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	0.730	0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-8.354	-0.0100	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				40	3.85	-8.140	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.104	-0.0037	-2.5 to 2.5	Pass
					3.85	-9.313	-0.0110	-2.5 to 2.5	Pass
					4.43	5.279	0.0062	-2.5 to 2.5	Pass
				-30	3.85	2.089	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				0	3.85	2.117	0.0025	-2.5 to 2.5	Pass
				10	3.85	3.891	0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-11.745	-0.0138	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0045	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-8.225	-0.0100	-2.5 to 2.5	Pass
					3.85	0.672	0.0008	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-11.158	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-2.789	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	2.761	0.0033	-2.5 to 2.5	Pass
				0	3.85	2.732	0.0033	-2.5 to 2.5	Pass
				10	3.85	-11.544	-0.0140	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0077	-2.5 to 2.5	Pass
				40	3.85	6.151	0.0075	-2.5 to 2.5	Pass
				50	3.85	3.719	0.0045	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-8.068	-0.0096	-2.5 to 2.5	Pass
					3.85	-12.717	-0.0152	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-6.952	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-12.975	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-13.475	-0.0161	-2.5 to 2.5	Pass
				0	3.85	2.246	0.0027	-2.5 to 2.5	Pass
				10	3.85	-12.846	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-9.527	-0.0114	-2.5 to 2.5	Pass
				40	3.85	2.933	0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0069	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	2.146	0.0025	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0053	-2.5 to 2.5	Pass
					4.43	-10.414	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	2.861	0.0034	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0049	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				10	3.85	-11.859	-0.0140	-2.5 to 2.5	Pass
				30	3.85	2.546	0.0030	-2.5 to 2.5	Pass
				40	3.85	-13.289	-0.0157	-2.5 to 2.5	Pass
				50	3.85	-10.958	-0.0129	-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	-5.808	-0.0070	-2.5 to 2.5	Pass
					3.85	0.257	0.0003	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				0	3.85	-8.225	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-3.204	-0.0039	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-6.108	-0.0074	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-1.831	-0.0022	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0027	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-11.187	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0013	-2.5 to 2.5	Pass
				50	3.85	5.364	0.0064	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.845	-0.0022	-2.5 to 2.5	Pass
					3.85	-12.317	-0.0145	-2.5 to 2.5	Pass
					4.43	-0.772	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.819	0.0045	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
				10	3.85	5.121	0.0060	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0105	-2.5 to 2.5	Pass
				40	3.85	1.903	0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-6.638	-0.0080	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
					4.43	-12.417	-0.0150	-2.5 to 2.5	Pass
				-30	3.85	6.108	0.0074	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	3.891	0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-9.971	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-11.029	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-4.048	-0.0049	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	7.124	0.0085	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0082	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-5.536	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass

				-10	3.85	3.362	0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-12.517	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass
				40	3.85	5.507	0.0066	-2.5 to 2.5	Pass
				50	3.85	-9.842	-0.0118	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	5.708	0.0067	-2.5 to 2.5	Pass
					3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
					4.43	-2.789	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	3.290	0.0039	-2.5 to 2.5	Pass
				-20	3.85	3.991	0.0047	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0020	-2.5 to 2.5	Pass
				0	3.85	-8.368	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0067	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0035	-2.5 to 2.5	Pass
				40	3.85	-8.125	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	1.087	0.0013	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	3.991	0.0048	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				0	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				10	3.85	4.334	0.0052	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-9.227	-0.0110	-2.5 to 2.5	Pass
					3.85	2.003	0.0024	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-2.403	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0058	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-7.925	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0080	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass

				50	3.85	-6.824	-0.0081	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-1.559	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
					4.43	1.273	0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.273	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				0	3.85	4.606	0.0056	-2.5 to 2.5	Pass
				10	3.85	4.091	0.0049	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0028	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-2.546
	3.85	-2.832	-0.0034					-2.5 to 2.5	Pass
	4.43	-1.273	-0.0015					-2.5 to 2.5	Pass
	-30	3.85	-3.834				-0.0046	-2.5 to 2.5	Pass
	-20	3.85	-3.362				-0.0040	-2.5 to 2.5	Pass
	-10	3.85	1.130				0.0014	-2.5 to 2.5	Pass
	0	3.85	0.615				0.0007	-2.5 to 2.5	Pass
	10	3.85	-5.994				-0.0072	-2.5 to 2.5	Pass
	30	3.85	2.317				0.0028	-2.5 to 2.5	Pass
	40	3.85	-2.446				-0.0029	-2.5 to 2.5	Pass
	50	3.85	-1.831				-0.0022	-2.5 to 2.5	Pass
	846.5	25	0				20	3.27	-2.203
				3.85	-1.431	-0.0017		-2.5 to 2.5	Pass
				4.43	-4.392	-0.0052		-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0031	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.433	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0042	-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	-0.615	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.807	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0028	-2.5 to 2.5	Pass
	50	3.85	0.529	0.0006	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-5.522	-0.0066	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0065	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0050	-2.5 to 2.5	Pass

				-20	3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-5.636	-0.0067	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-3.347	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.691	-0.0045	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-3.691	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.108	-0.0073	-2.5 to 2.5	Pass
					3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-5.078	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-1.745	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.020	-0.0048	-2.5 to 2.5	Pass
					4.43	-6.294	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-7.596	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0044	-2.5 to 2.5	Pass

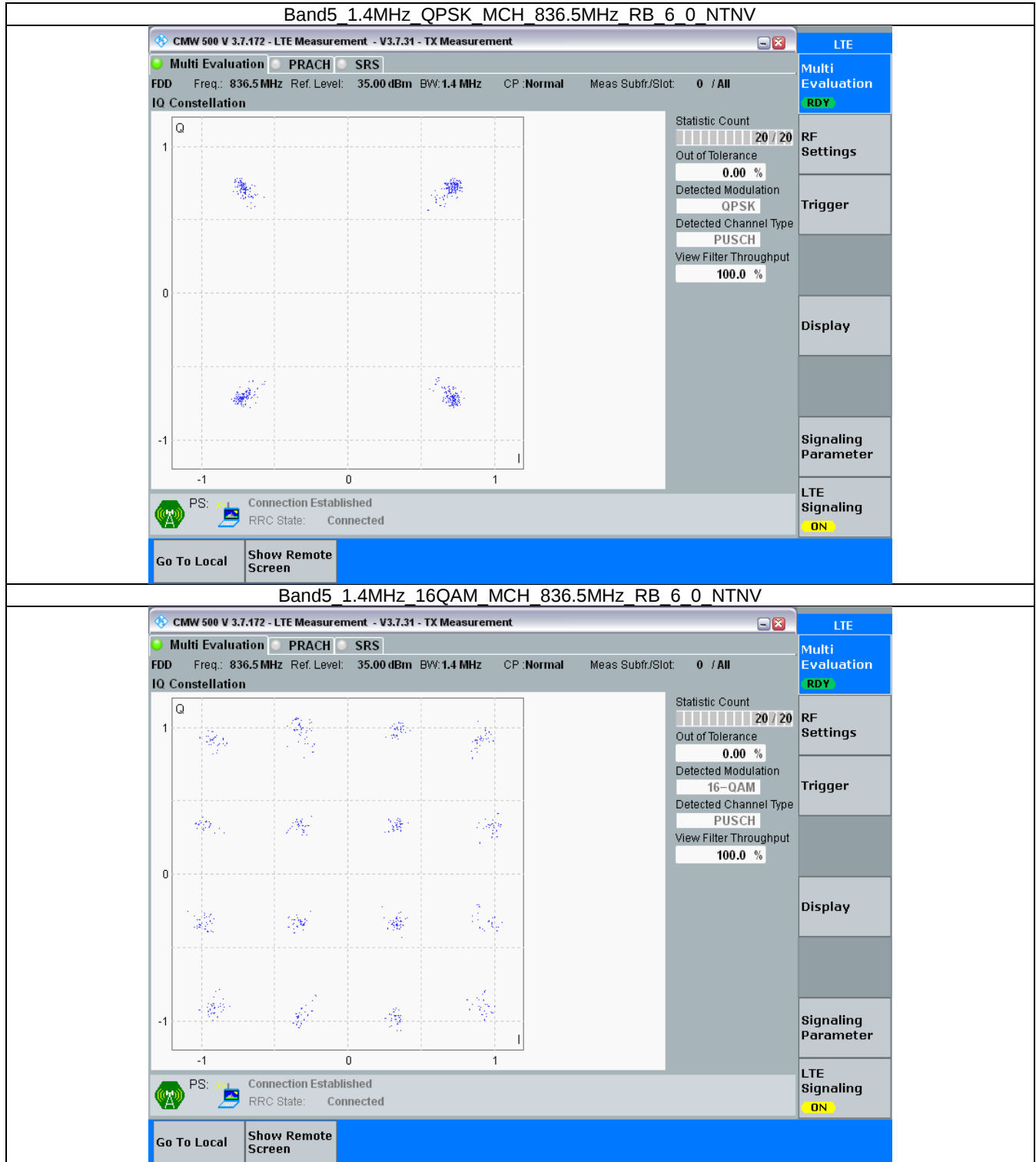
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

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 Test Graph

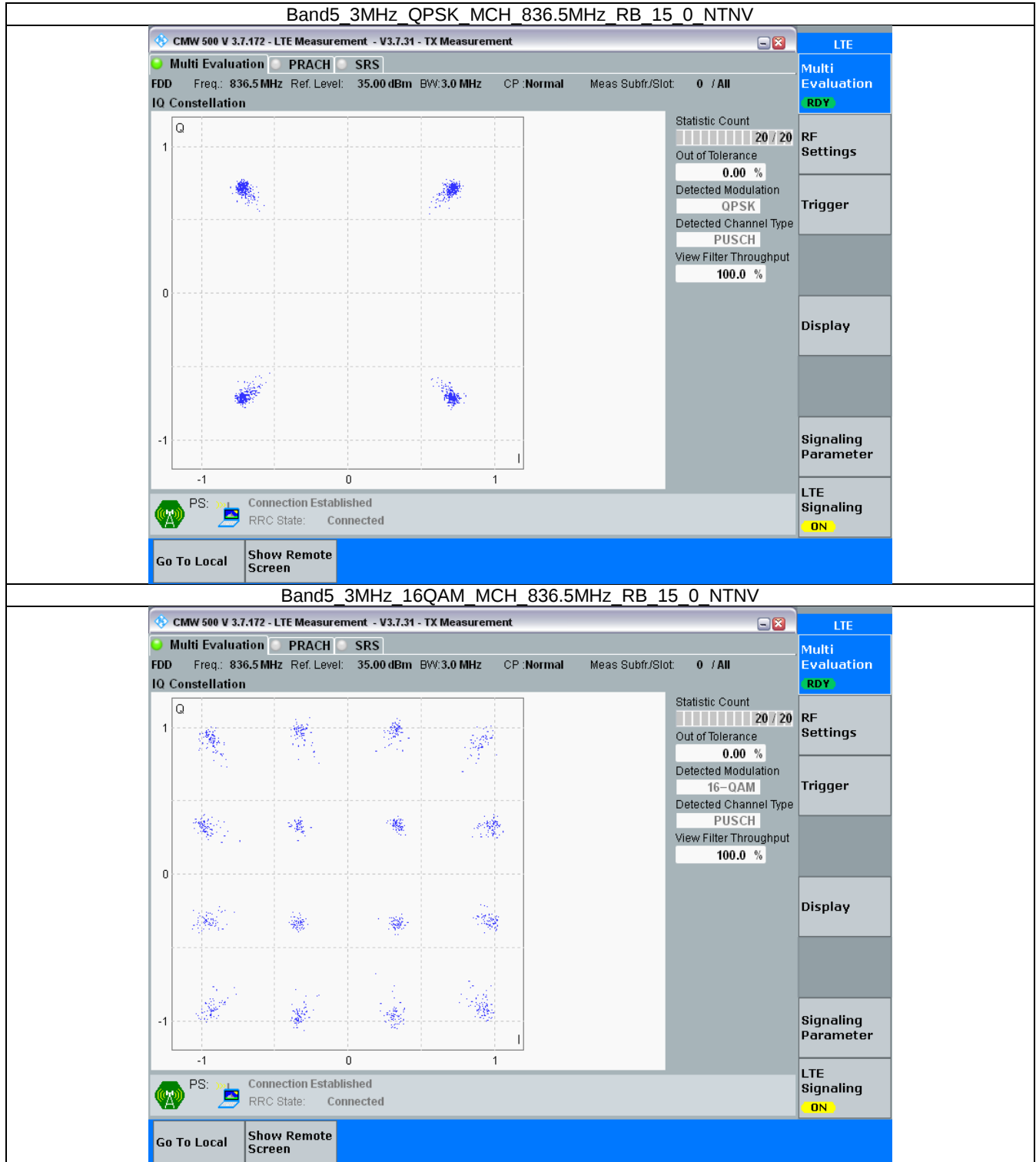


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
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

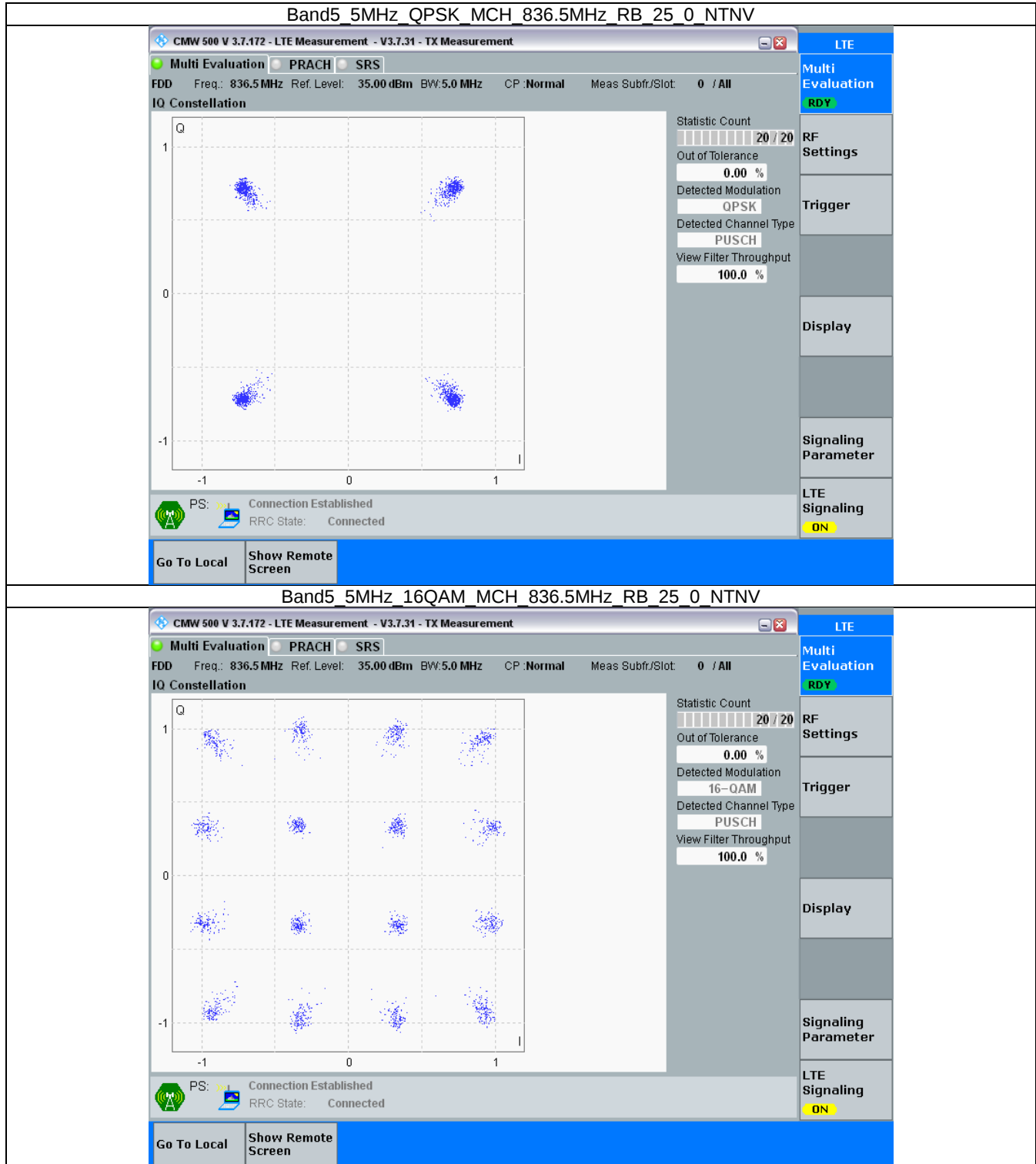


3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / 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

3.3.2 Test Graph

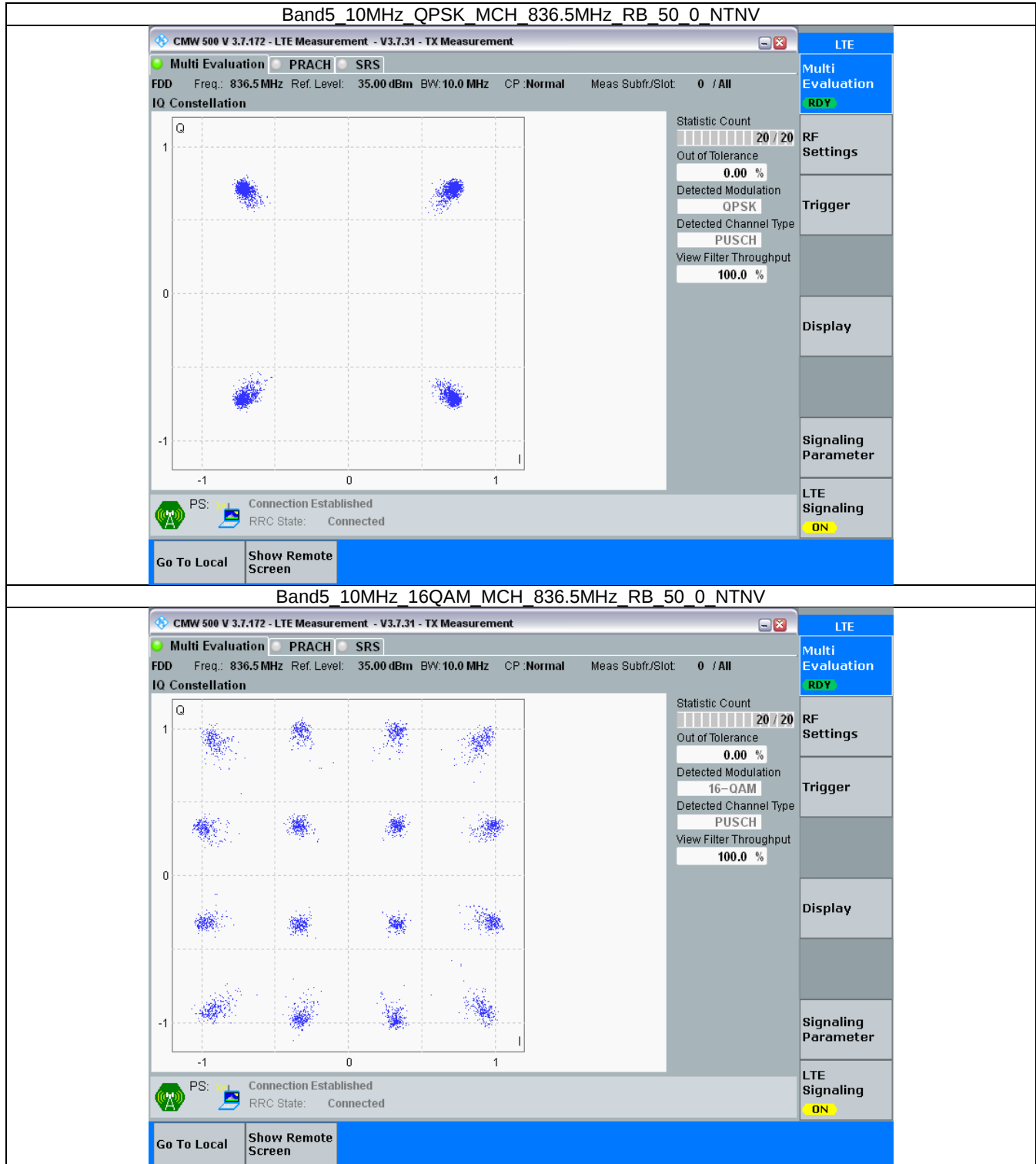


3.4 B5_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph



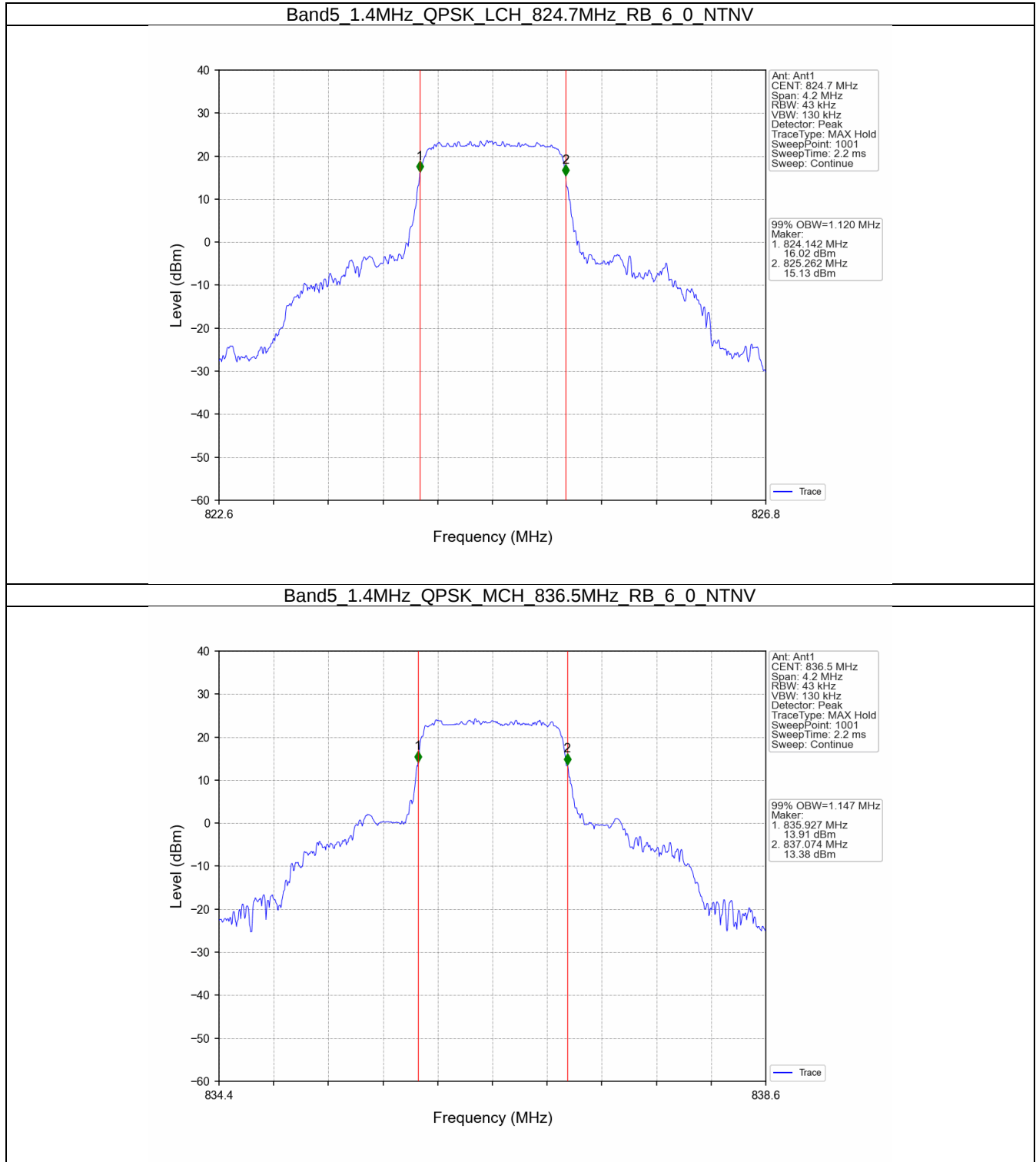
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

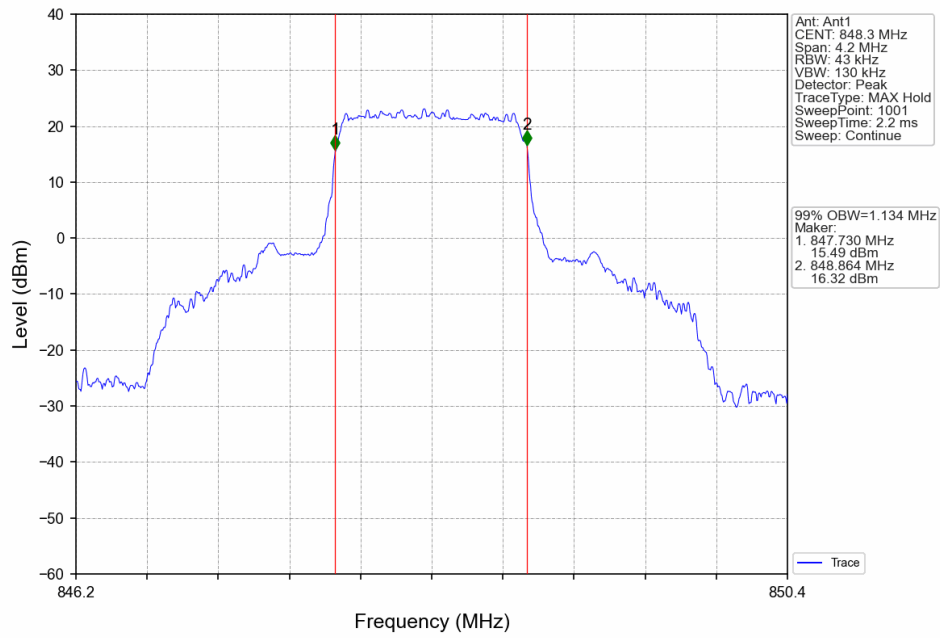
4.1.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.120	/	Pass
		836.5	6	0	1.147	/	Pass
		848.3	6	0	1.134	/	Pass
	16QAM	824.7	6	0	1.115	/	Pass
		836.5	6	0	1.157	/	Pass
		848.3	6	0	1.138	/	Pass
3	QPSK	825.5	15	0	2.741	/	Pass
		836.5	15	0	2.757	/	Pass
		847.5	15	0	2.748	/	Pass
	16QAM	825.5	15	0	2.757	/	Pass
		836.5	15	0	2.771	/	Pass
		847.5	15	0	2.761	/	Pass
5	QPSK	826.5	25	0	4.570	/	Pass
		836.5	25	0	4.584	/	Pass
		846.5	25	0	4.572	/	Pass
	16QAM	826.5	25	0	4.626	/	Pass
		836.5	25	0	4.647	/	Pass
		846.5	25	0	4.634	/	Pass
10	QPSK	829	50	0	9.149	/	Pass
		836.5	50	0	9.084	/	Pass
		844	50	0	9.069	/	Pass
	16QAM	829	50	0	9.244	/	Pass
		836.5	50	0	9.164	/	Pass
		844	50	0	9.137	/	Pass

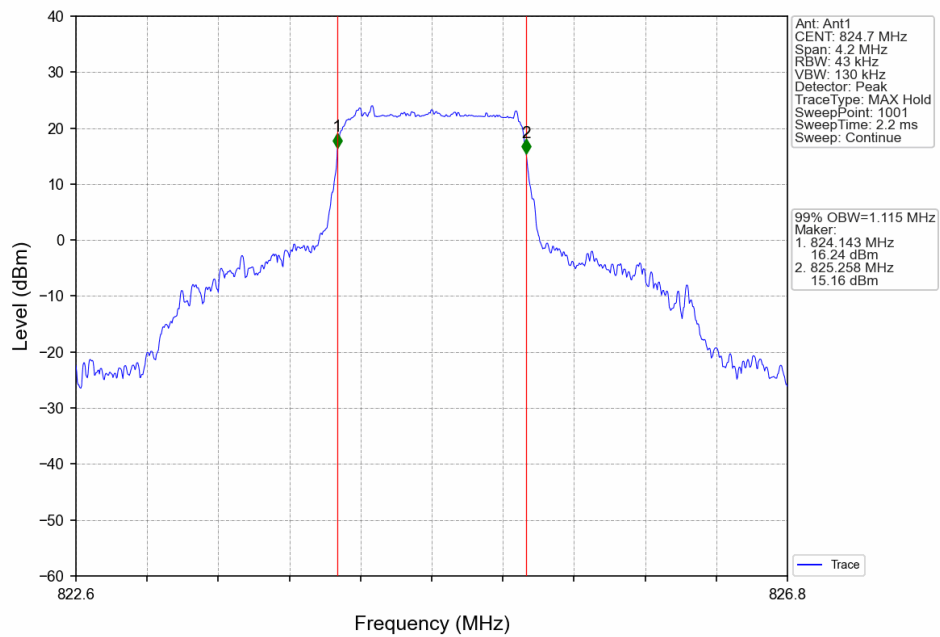
4.1.2 Test Graph



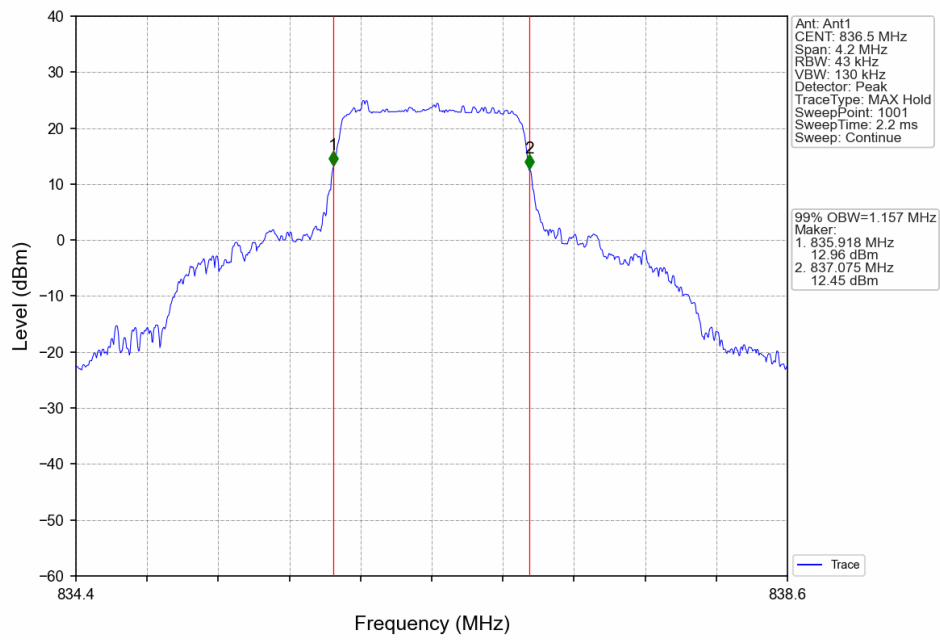
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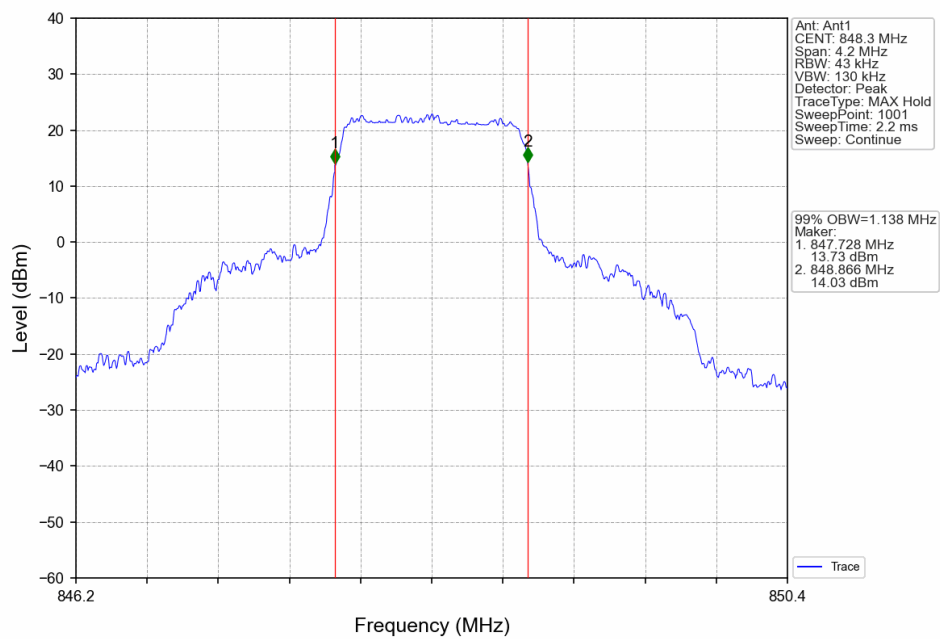
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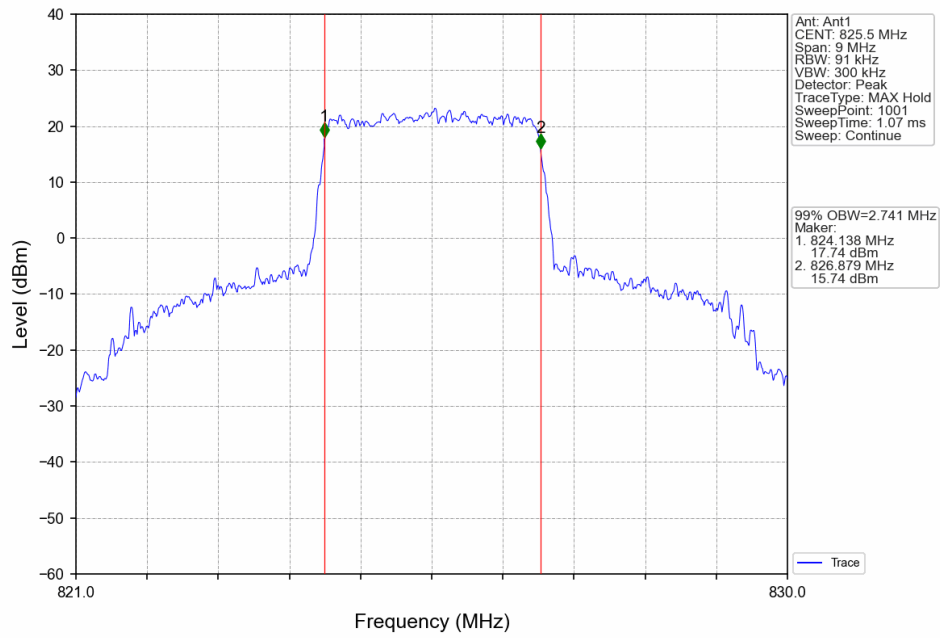
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



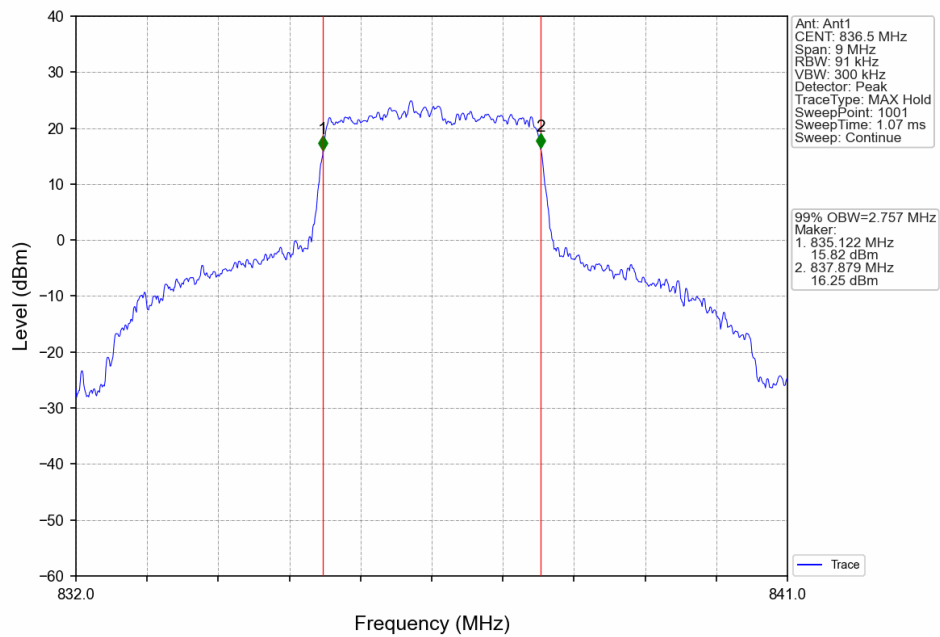
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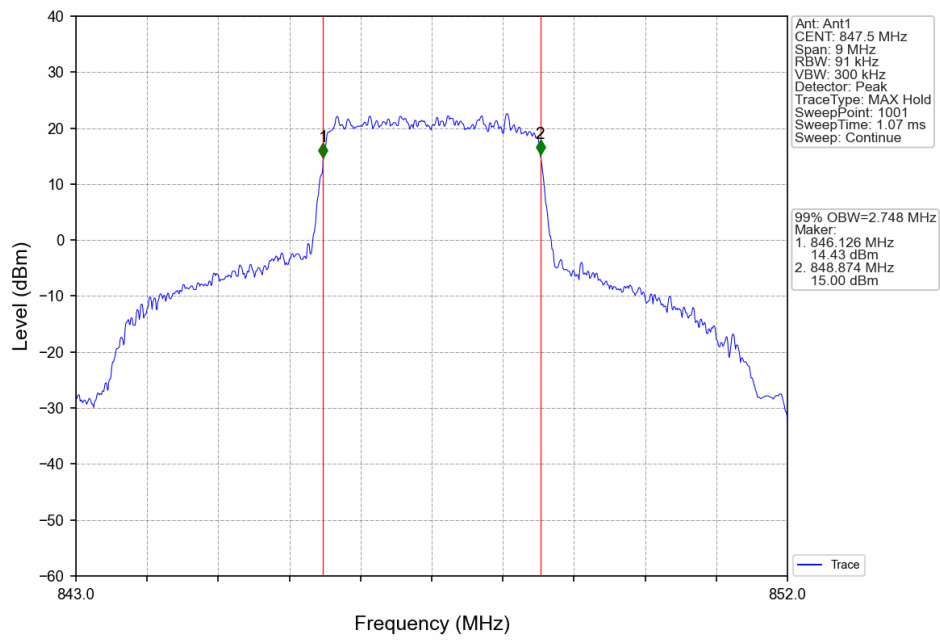
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



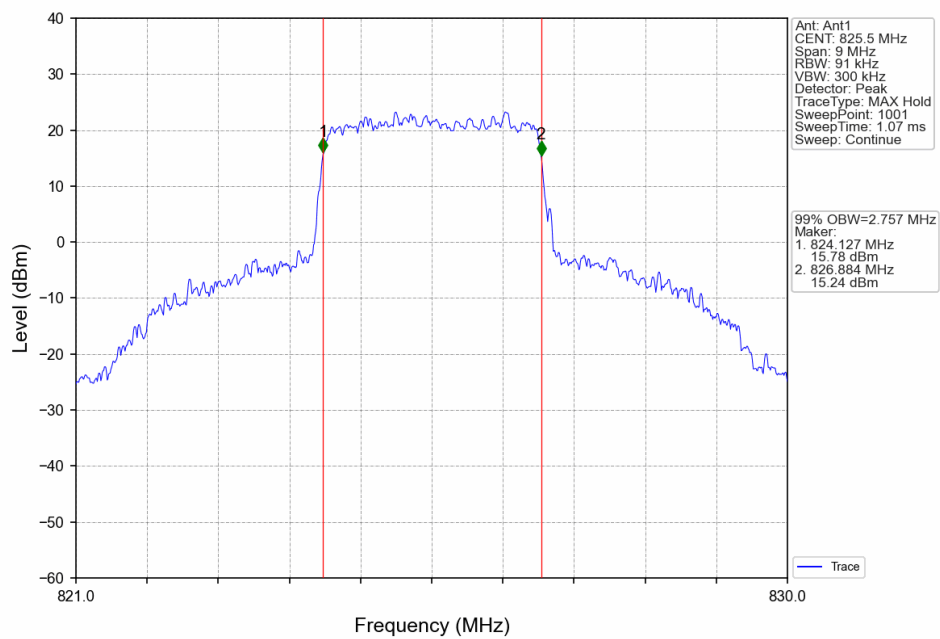
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



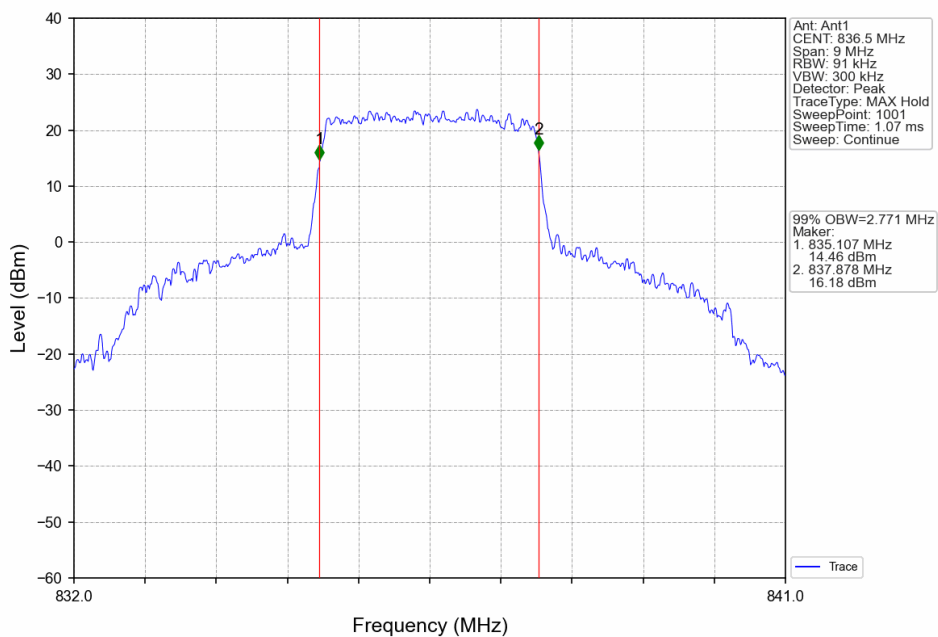
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



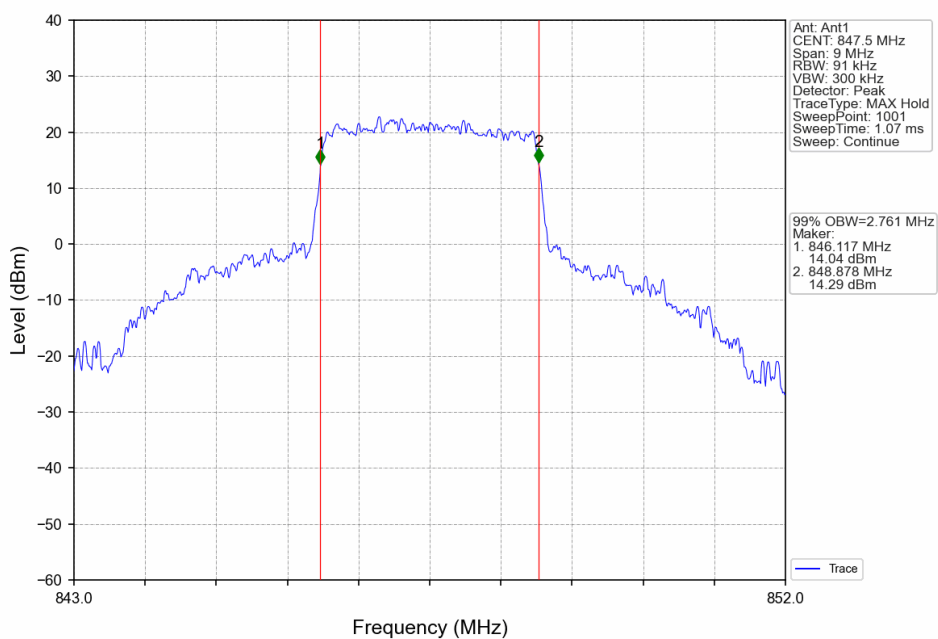
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



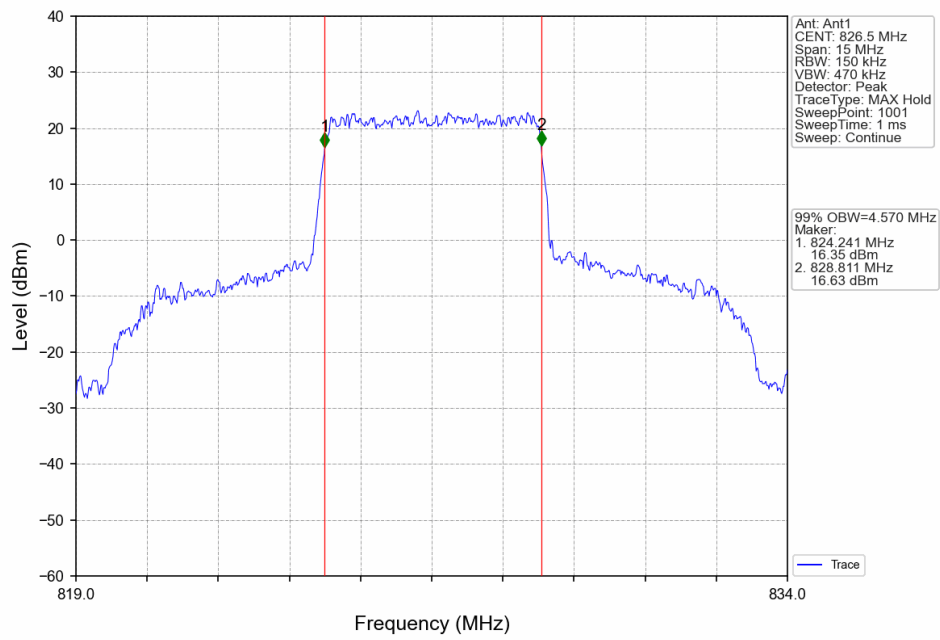
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



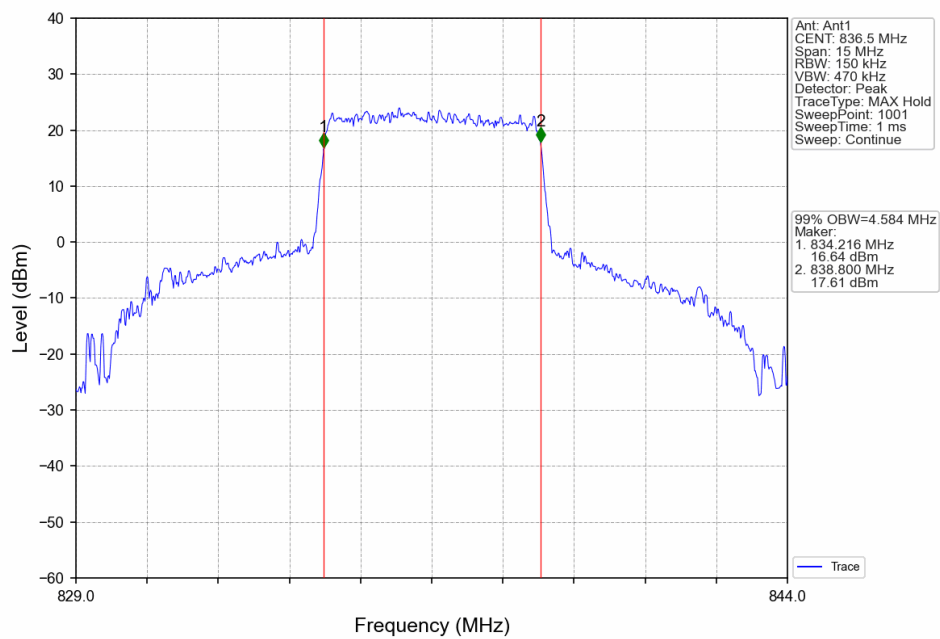
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



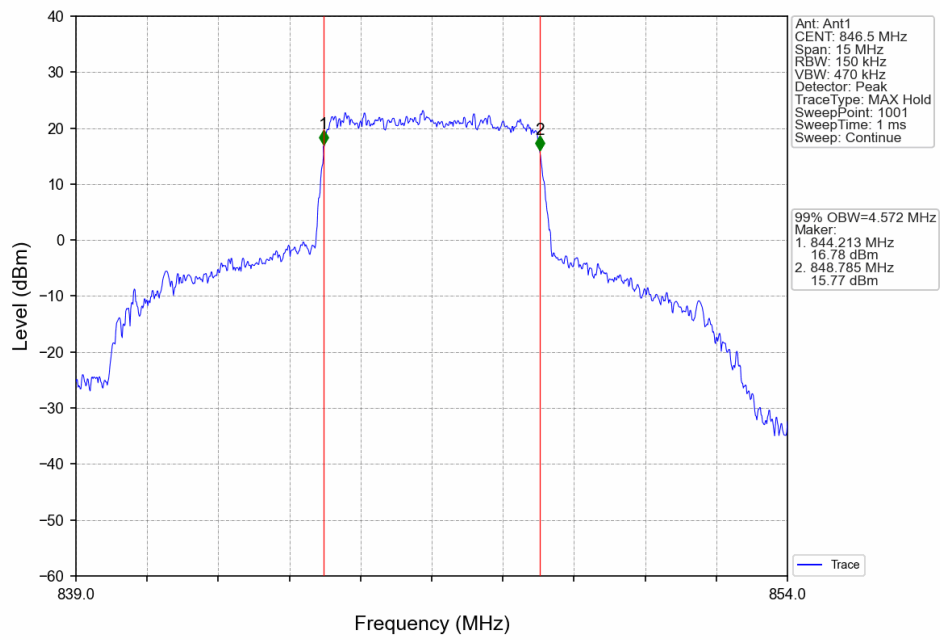
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



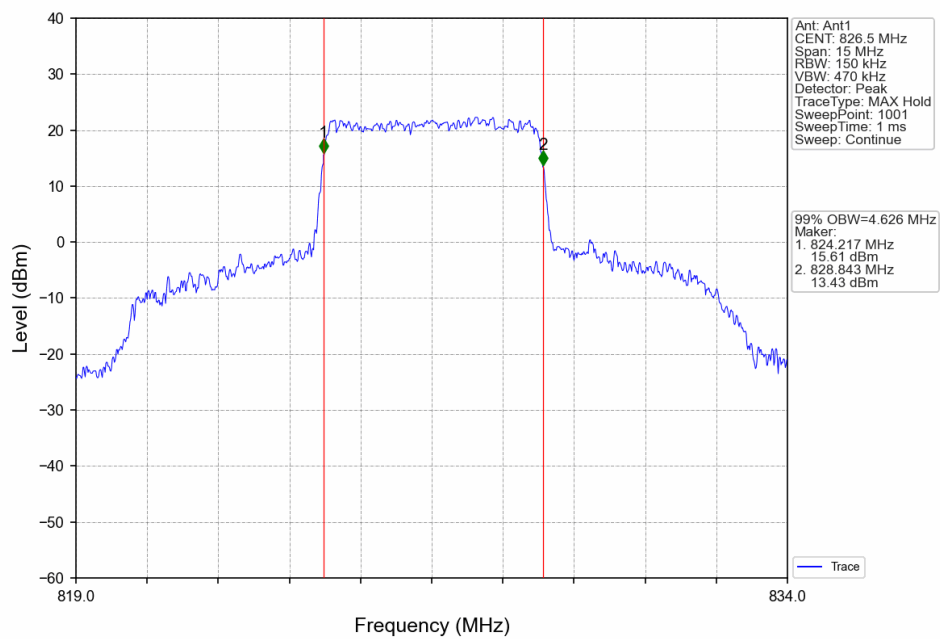
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



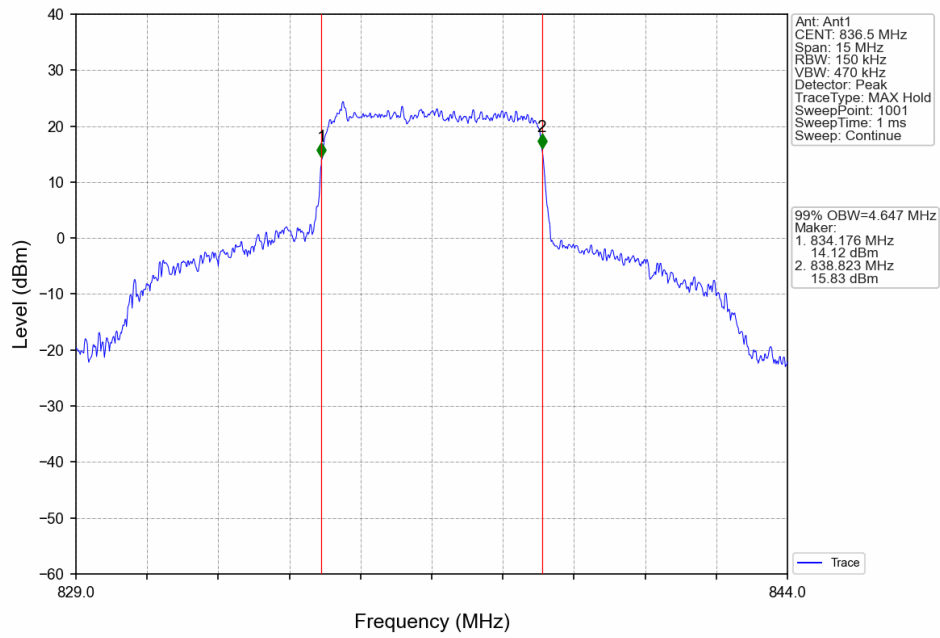
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



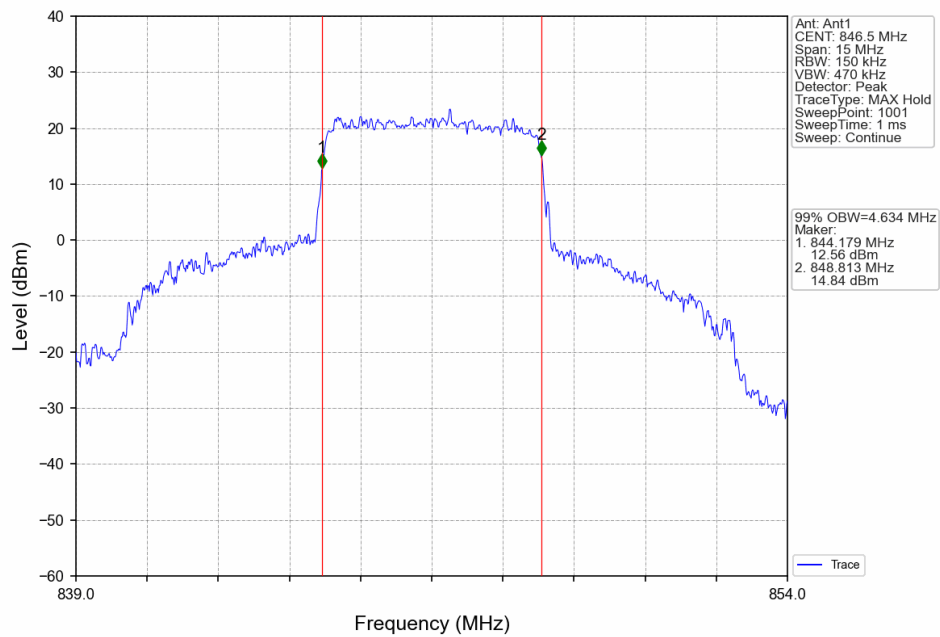
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



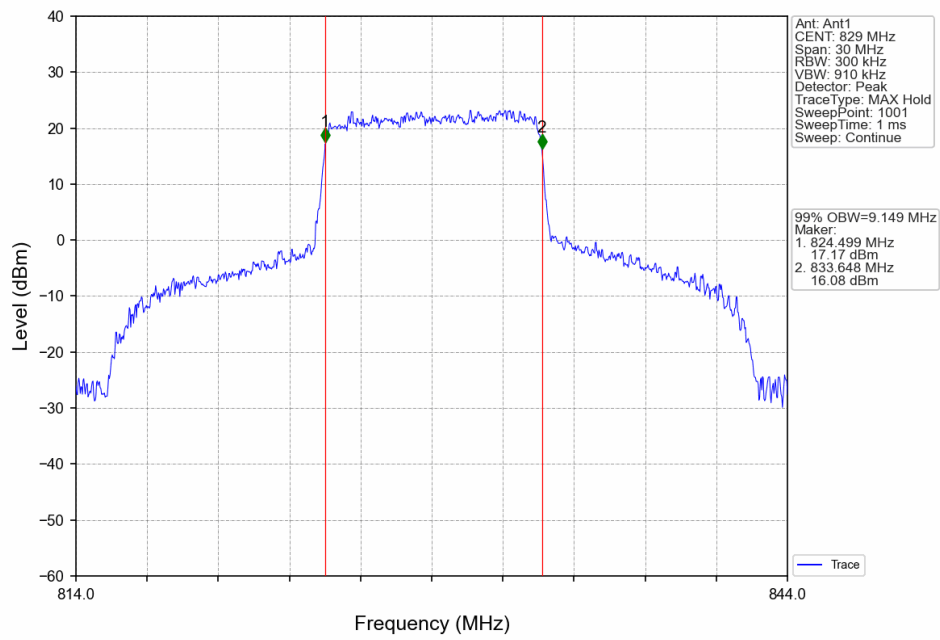
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



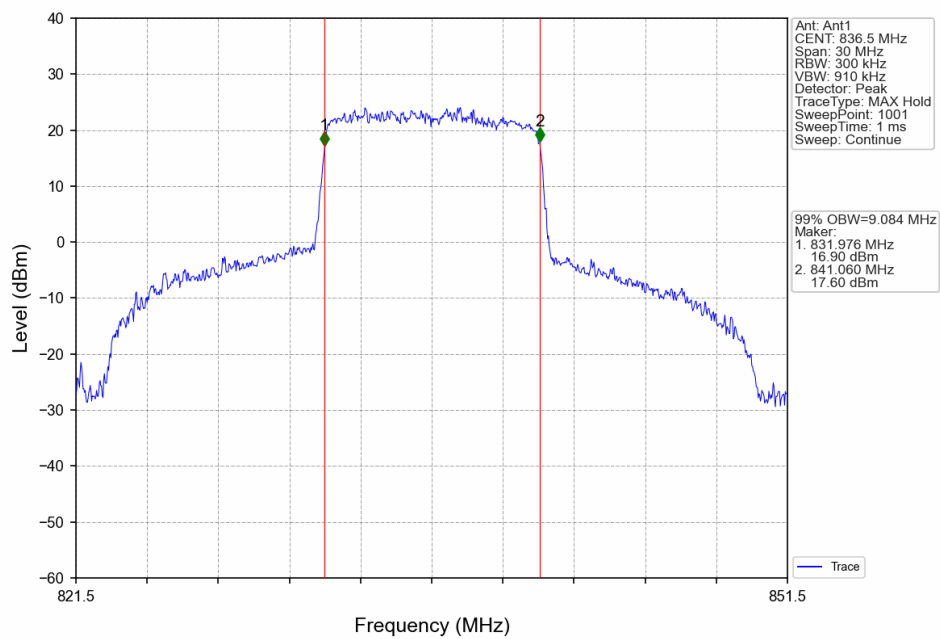
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



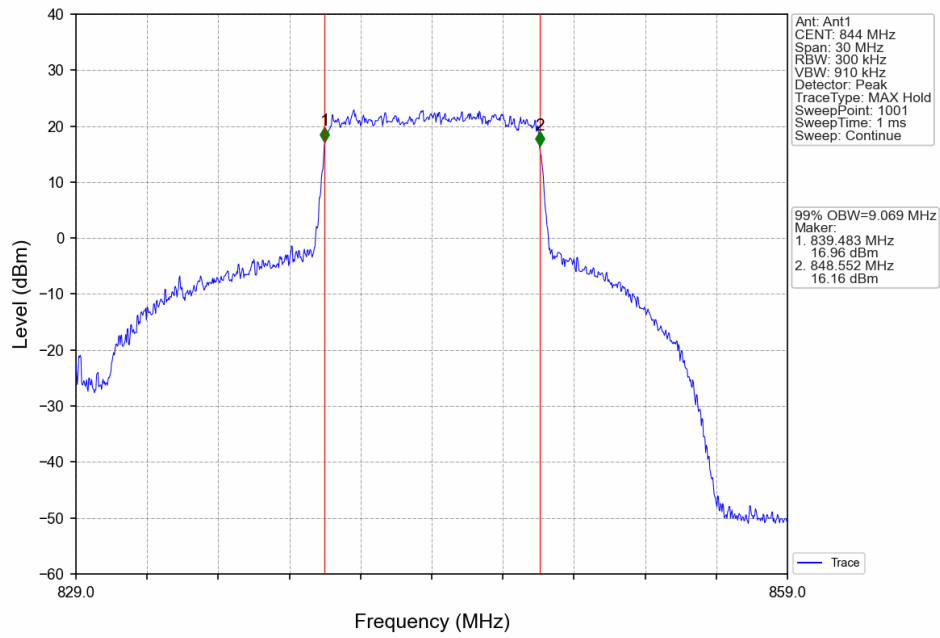
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



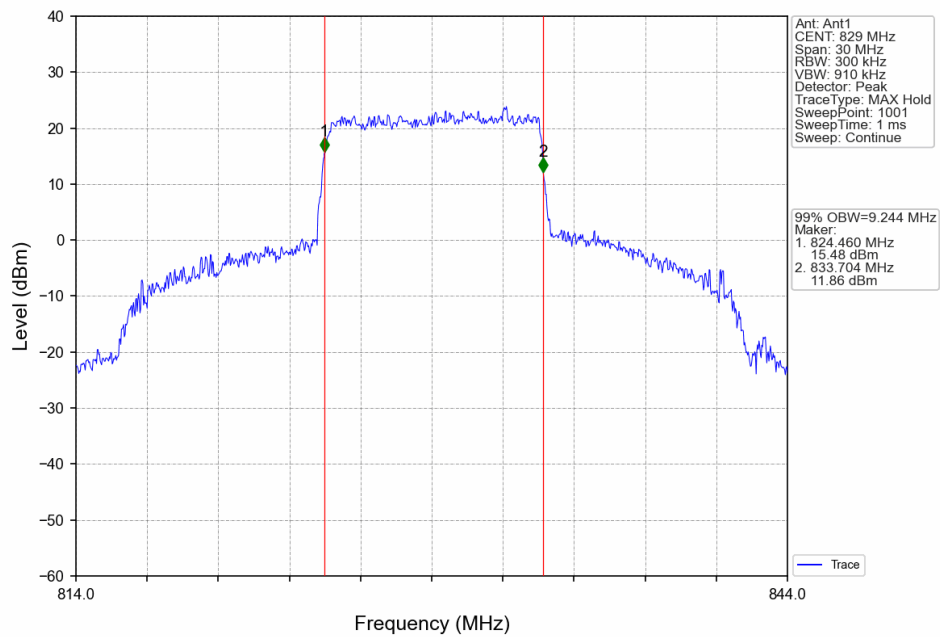
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



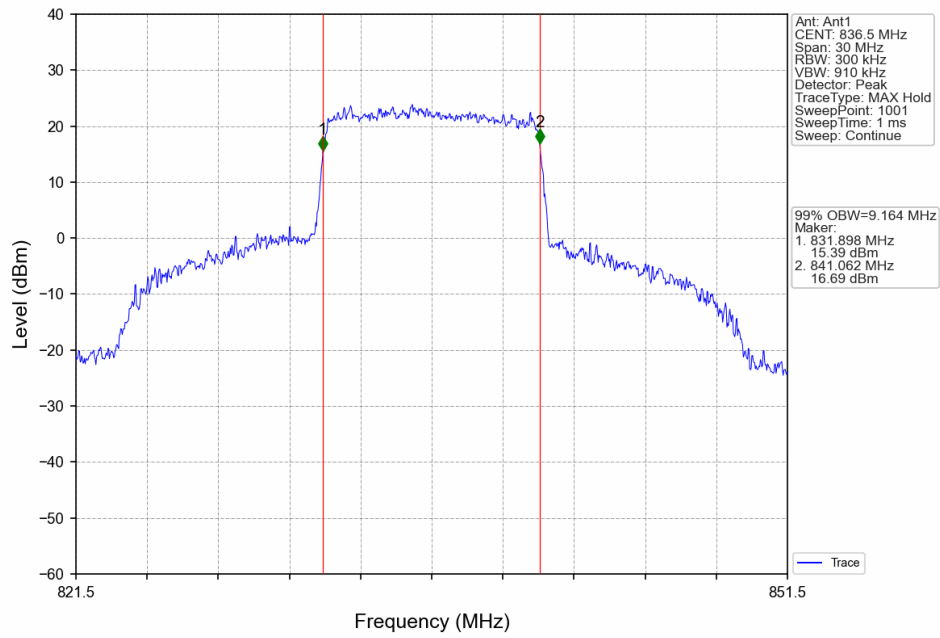
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



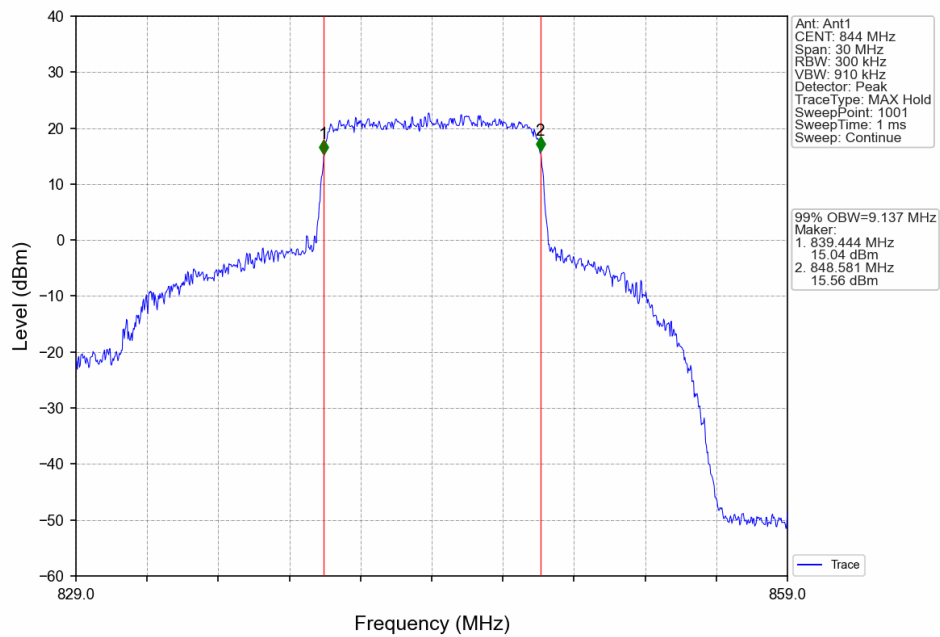
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

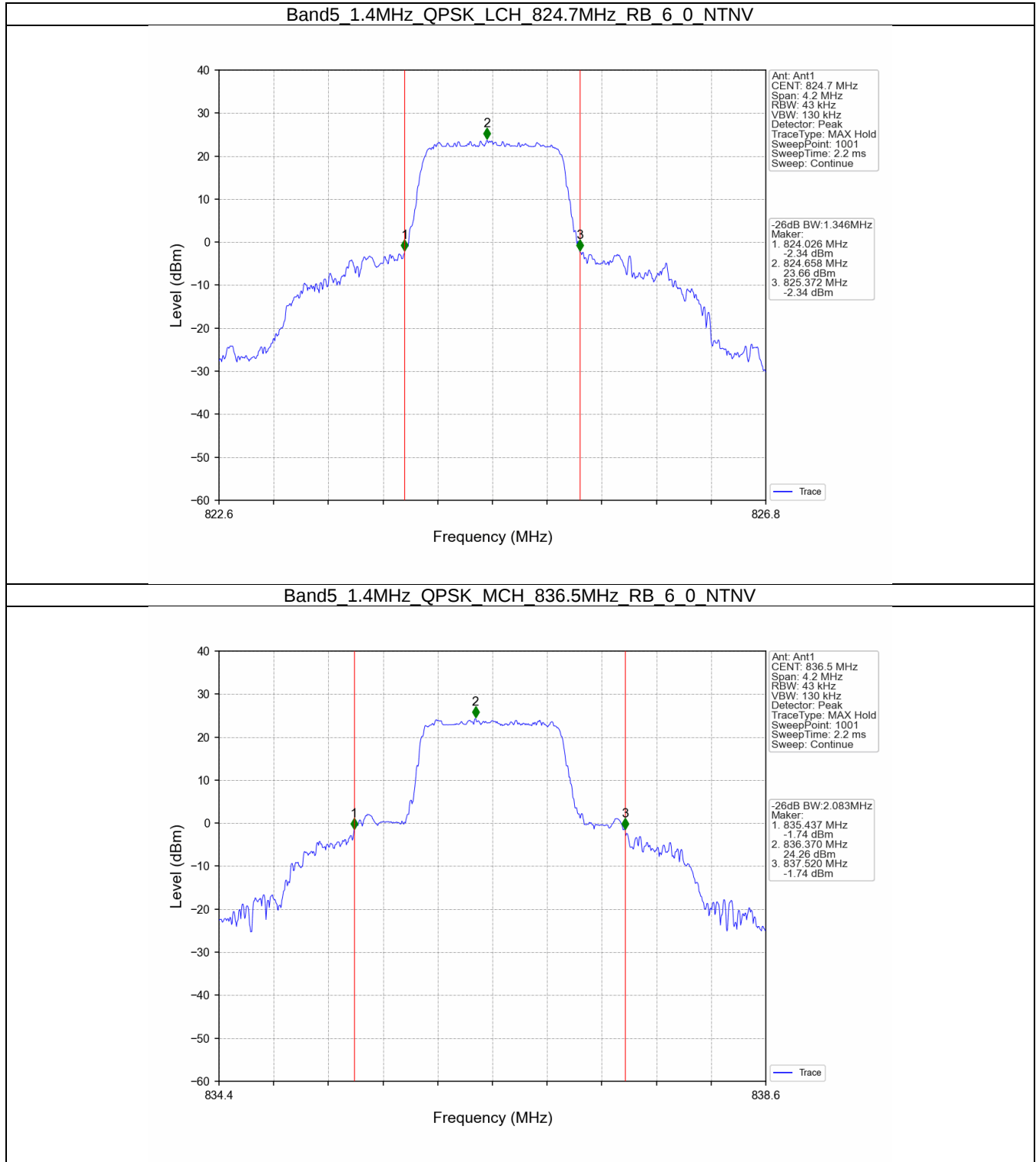


4.2 Band5_XDB

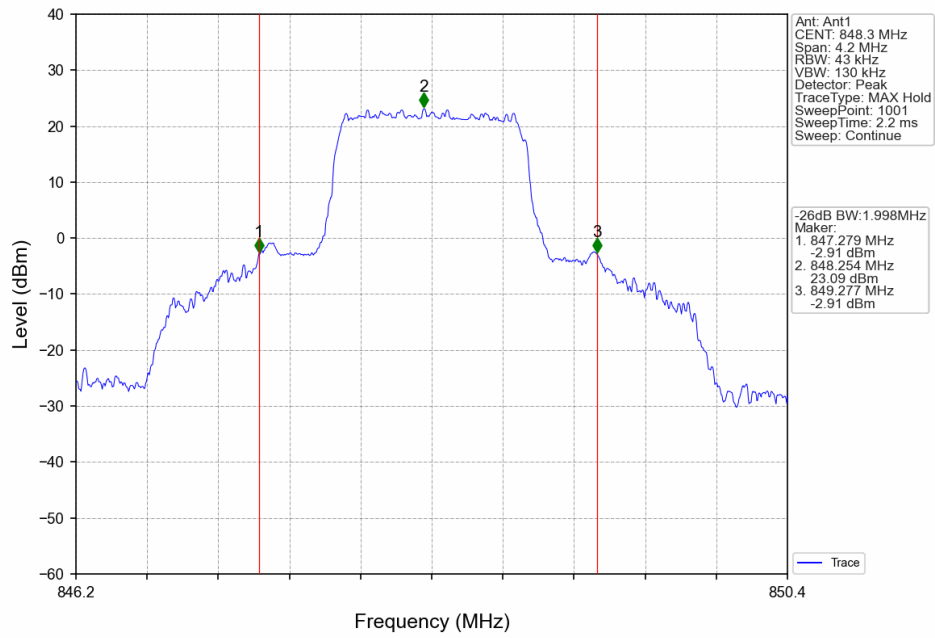
4.2.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.346	/	Pass
		836.5	6	0	2.083	/	Pass
		848.3	6	0	1.998	/	Pass
	16QAM	824.7	6	0	1.814	/	Pass
		836.5	6	0	2.161	/	Pass
		848.3	6	0	1.969	/	Pass
3	QPSK	825.5	15	0	3.067	/	Pass
		836.5	15	0	3.290	/	Pass
		847.5	15	0	3.567	/	Pass
	16QAM	825.5	15	0	3.640	/	Pass
		836.5	15	0	4.566	/	Pass
		847.5	15	0	4.181	/	Pass
5	QPSK	826.5	25	0	5.798	/	Pass
		836.5	25	0	6.734	/	Pass
		846.5	25	0	6.187	/	Pass
	16QAM	826.5	25	0	8.996	/	Pass
		836.5	25	0	7.522	/	Pass
		846.5	25	0	8.245	/	Pass
10	QPSK	829	50	0	14.895	/	Pass
		836.5	50	0	11.154	/	Pass
		844	50	0	11.632	/	Pass
	16QAM	829	50	0	16.464	/	Pass
		836.5	50	0	15.480	/	Pass
		844	50	0	13.836	/	Pass

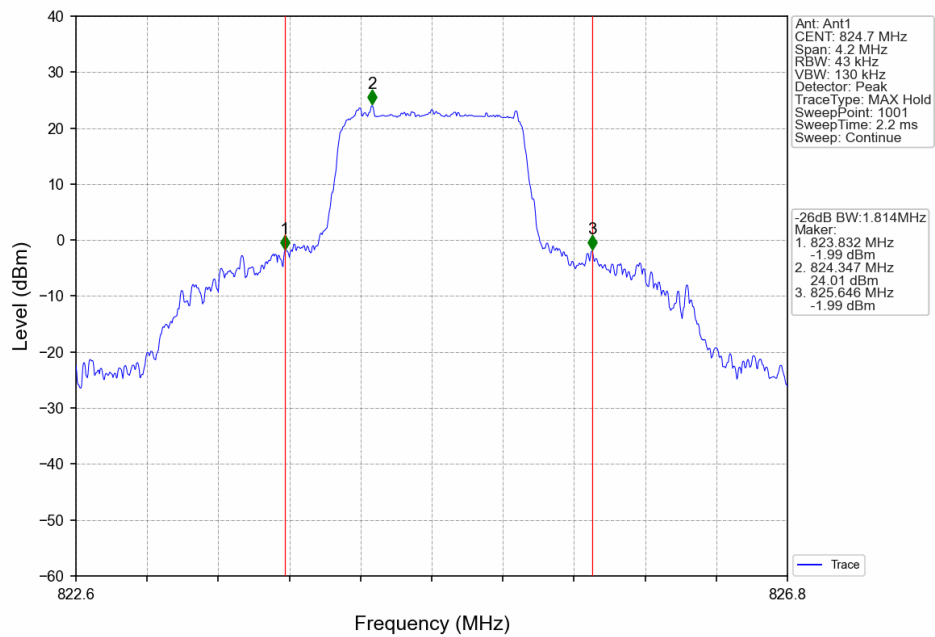
4.2.2 Test Graph



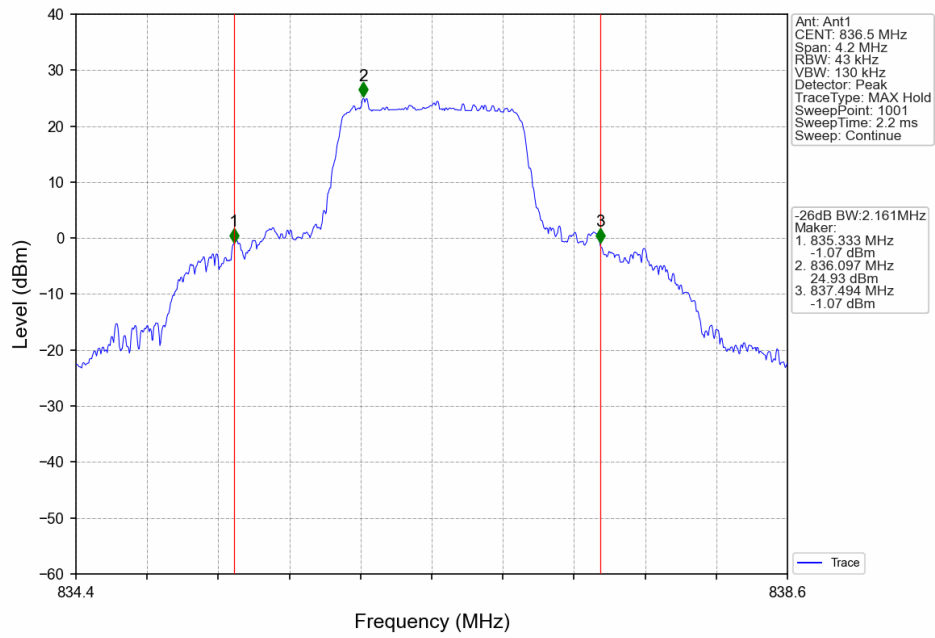
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



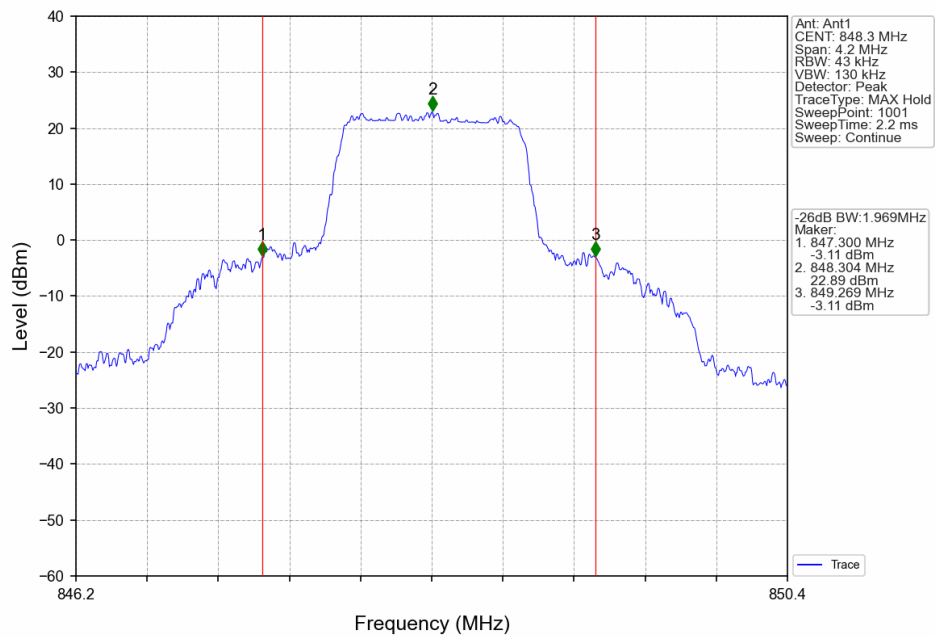
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



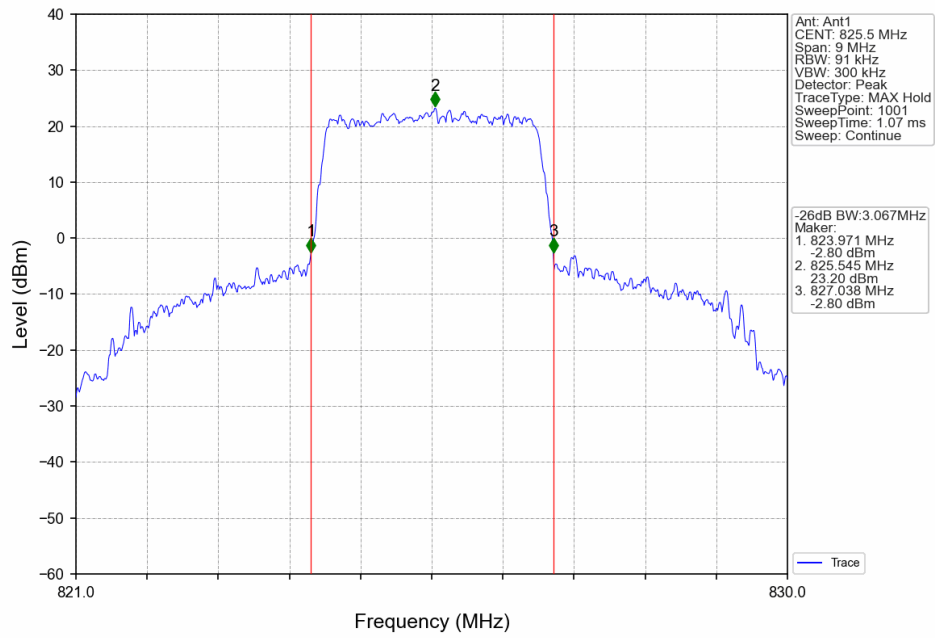
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



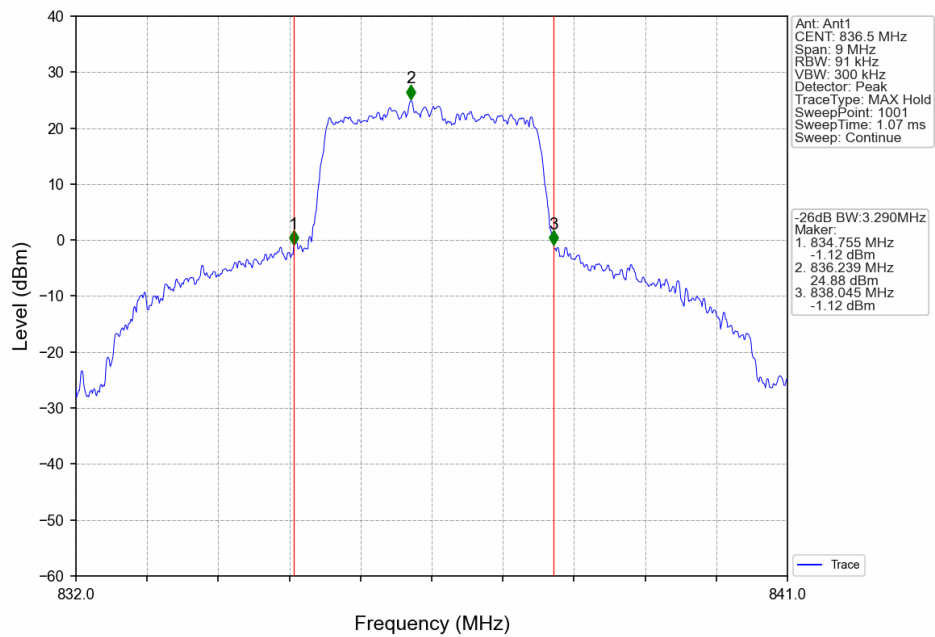
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



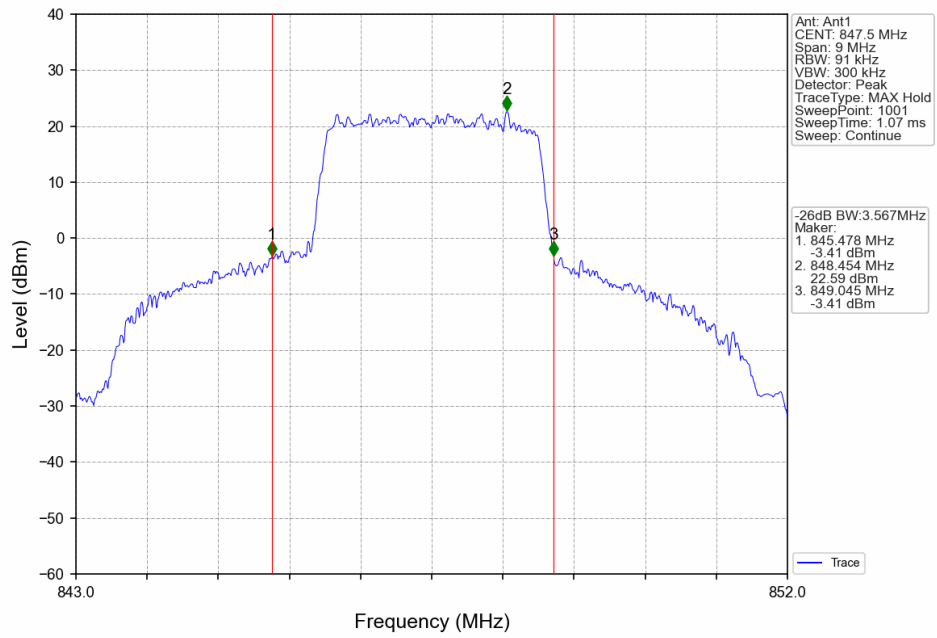
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



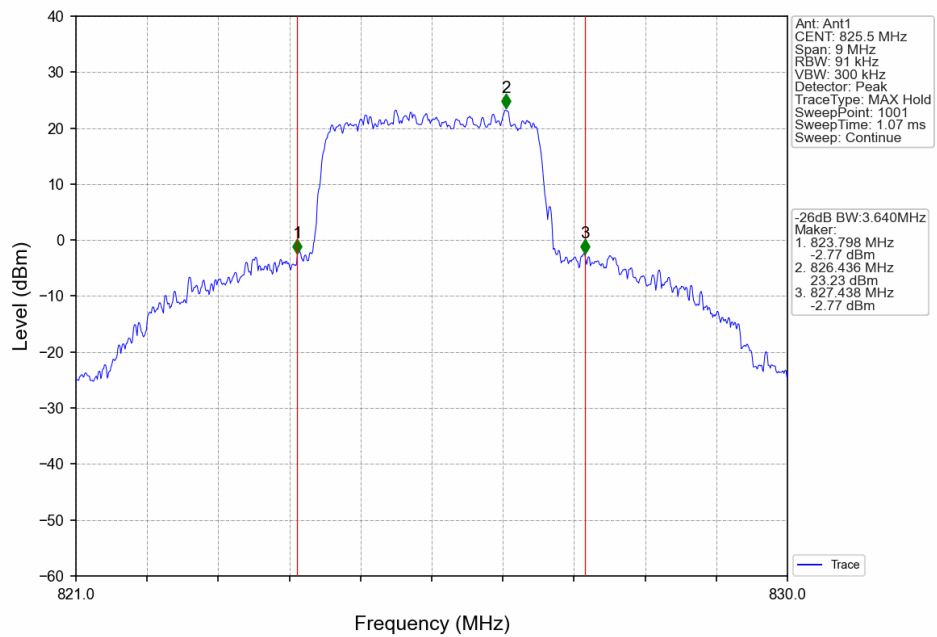
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



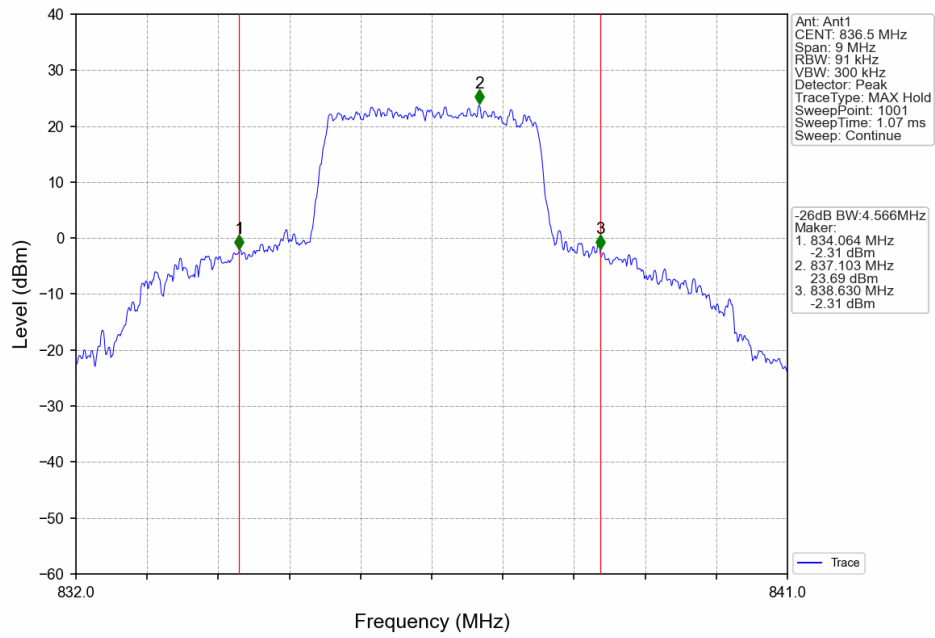
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



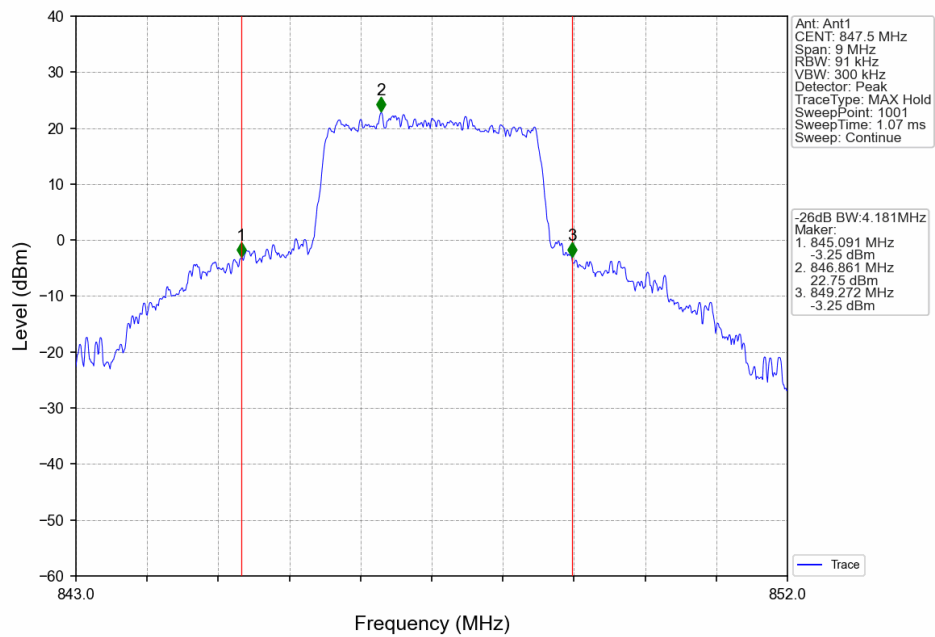
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



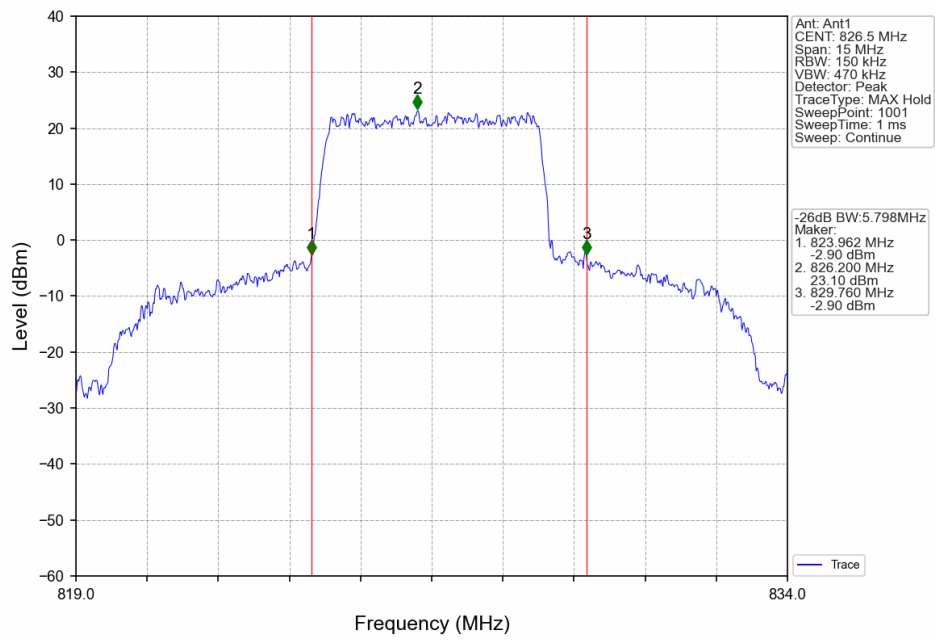
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



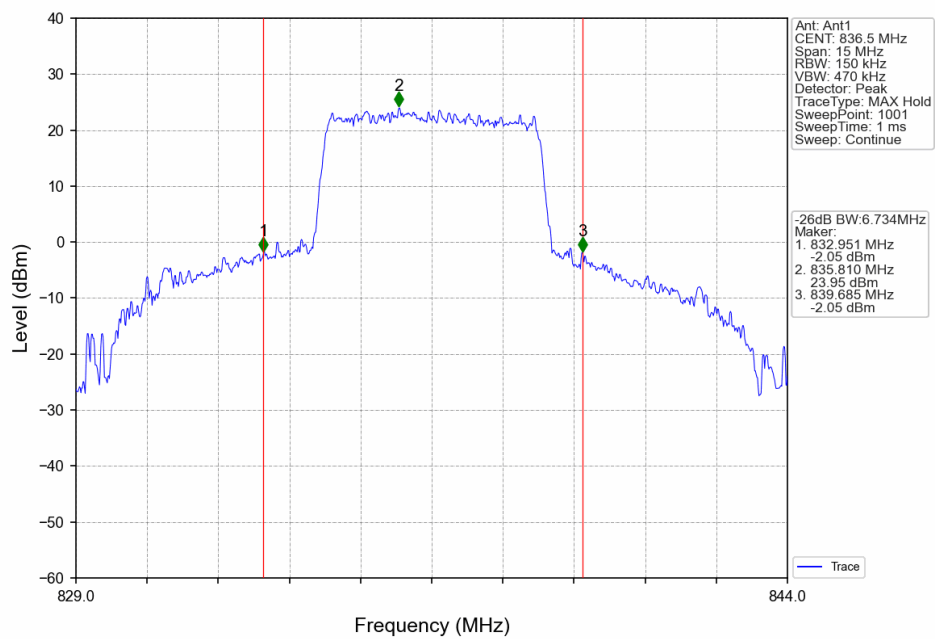
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



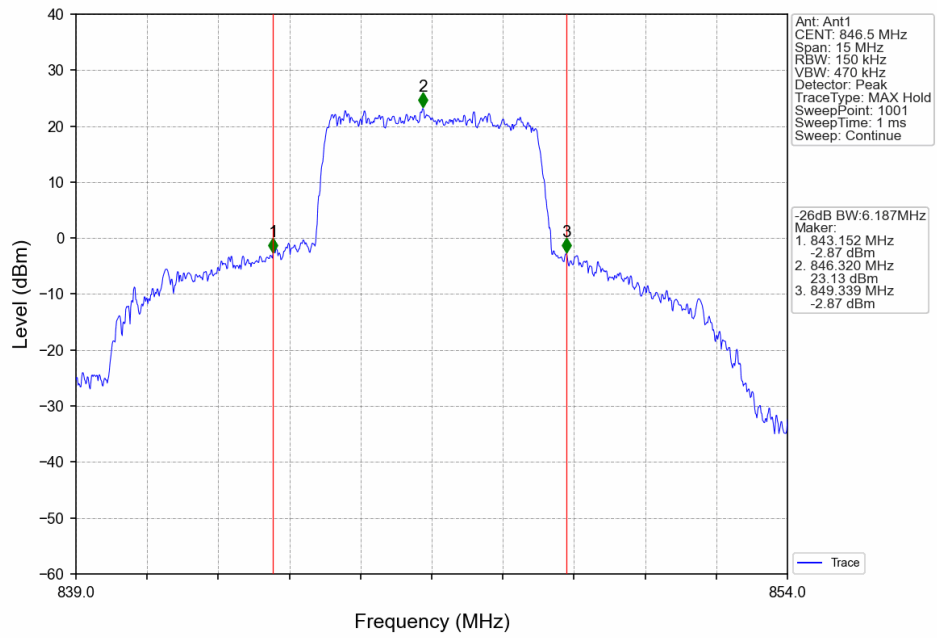
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



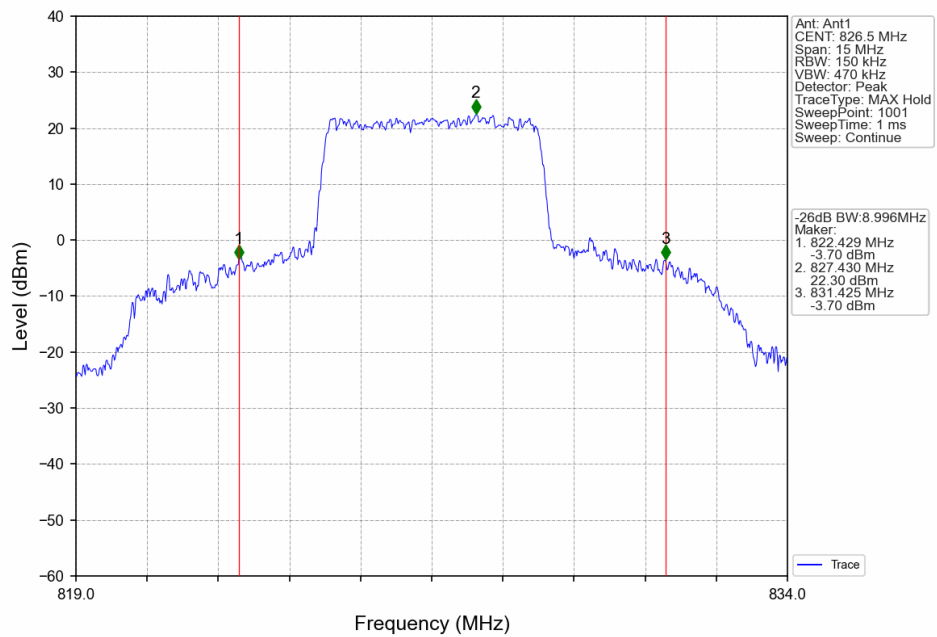
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



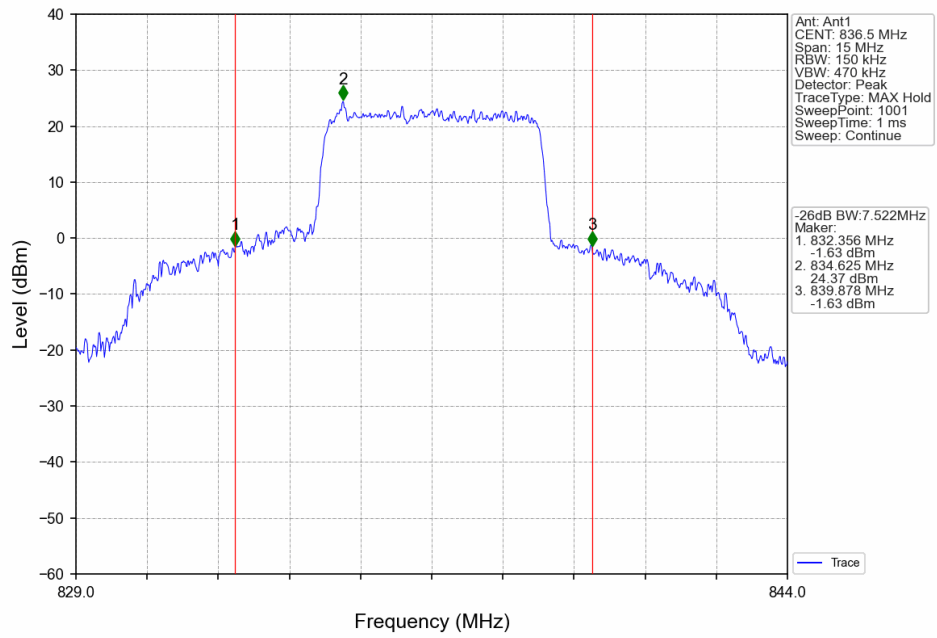
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



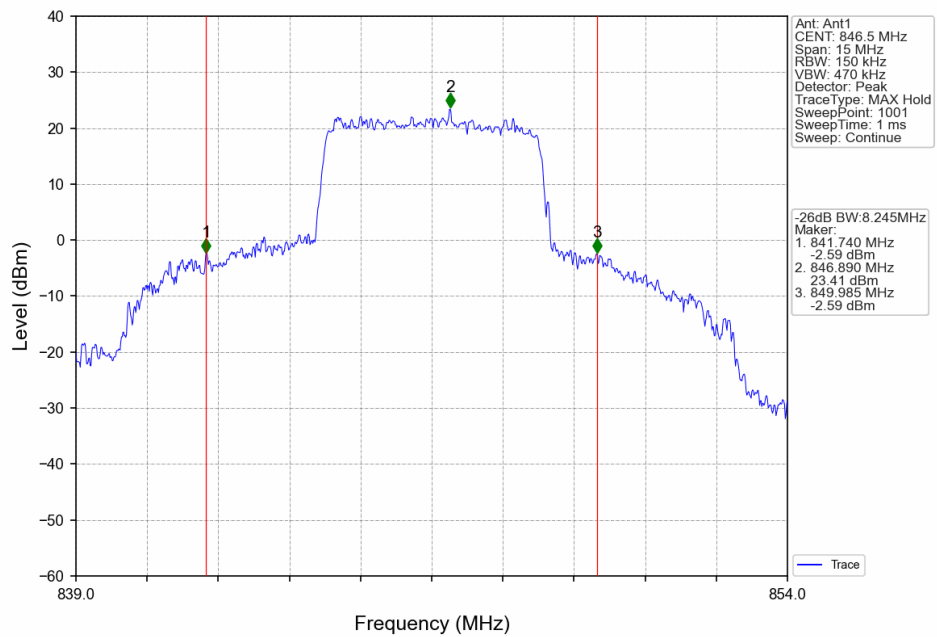
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



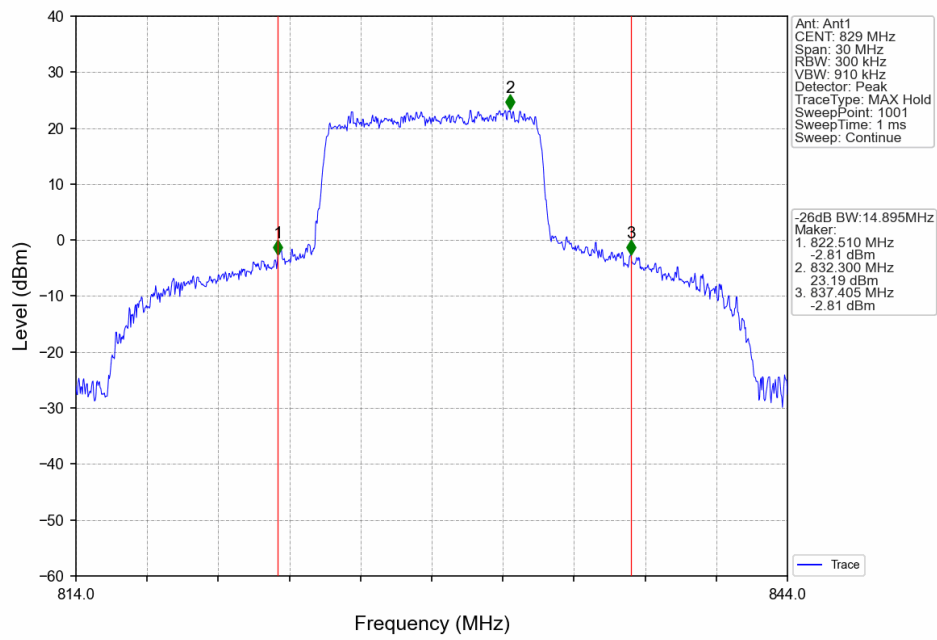
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



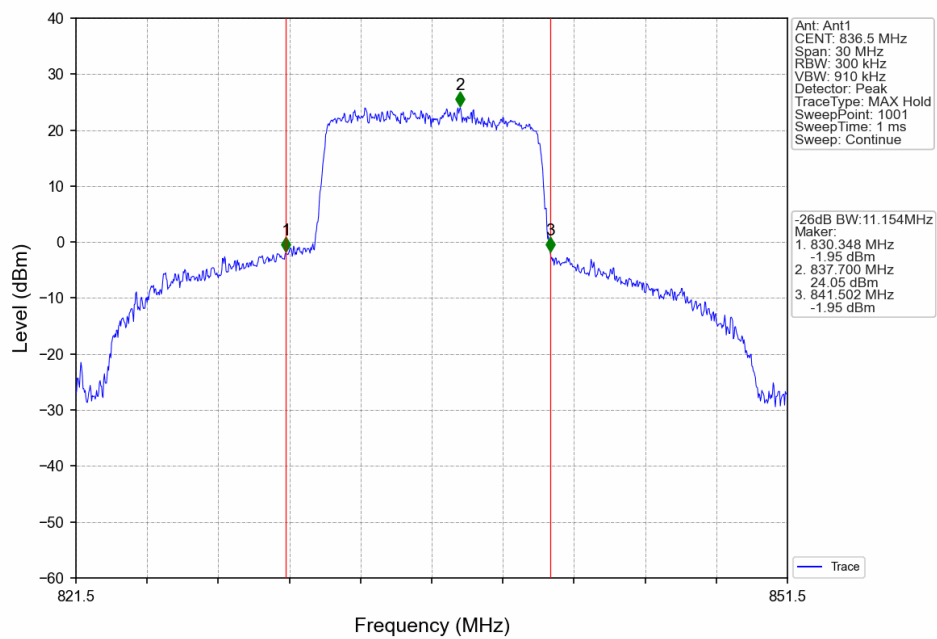
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



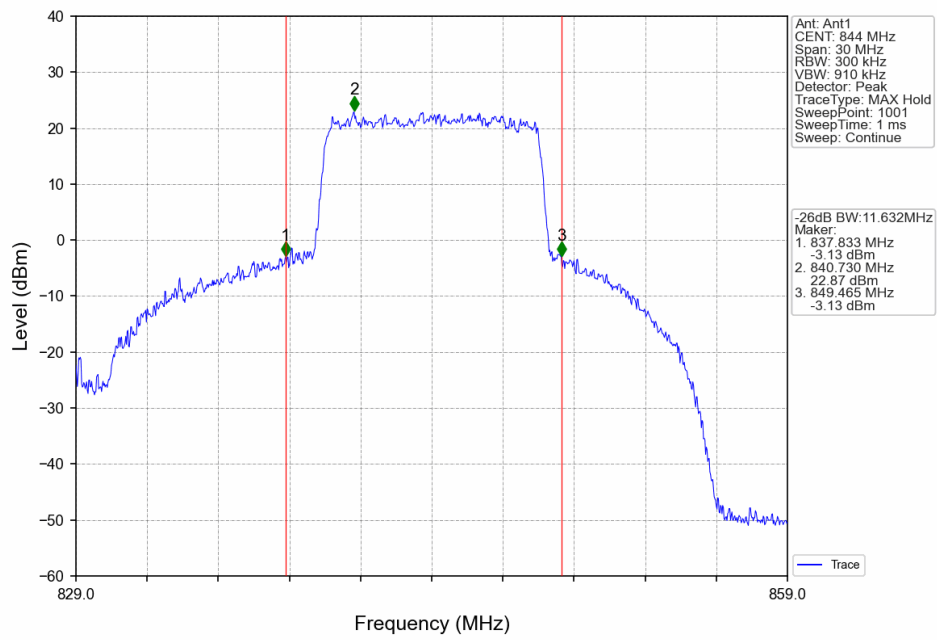
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



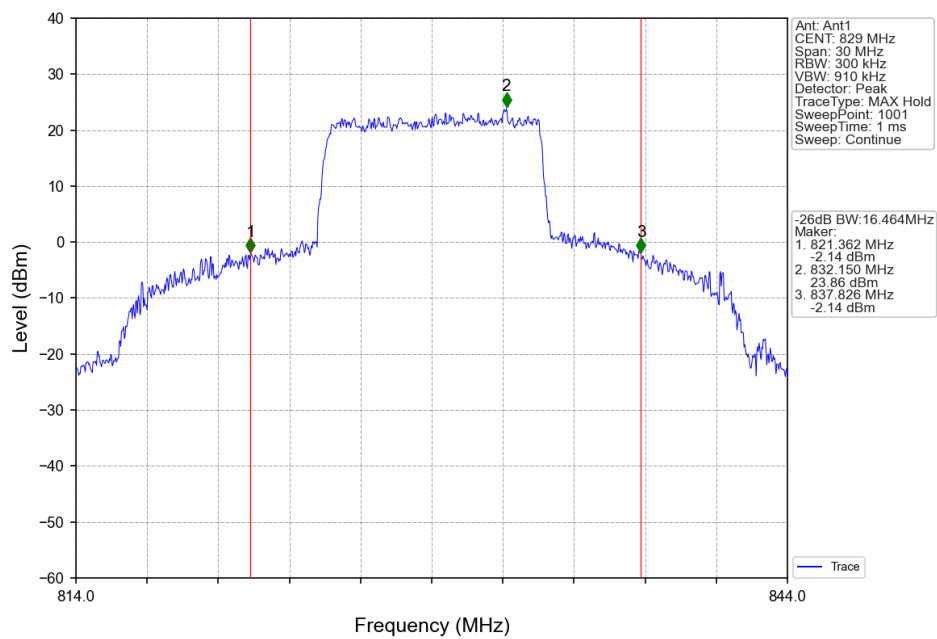
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



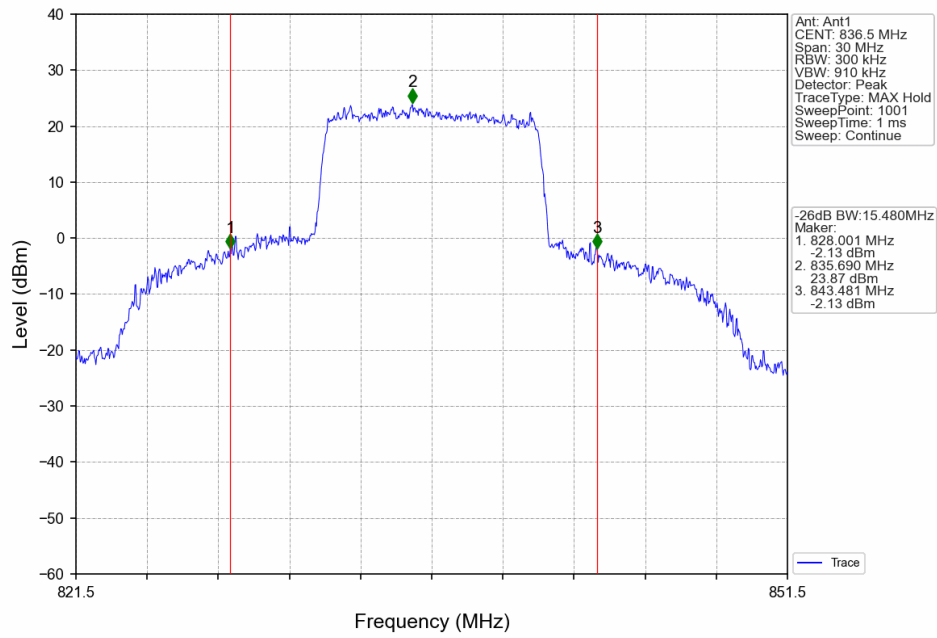
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



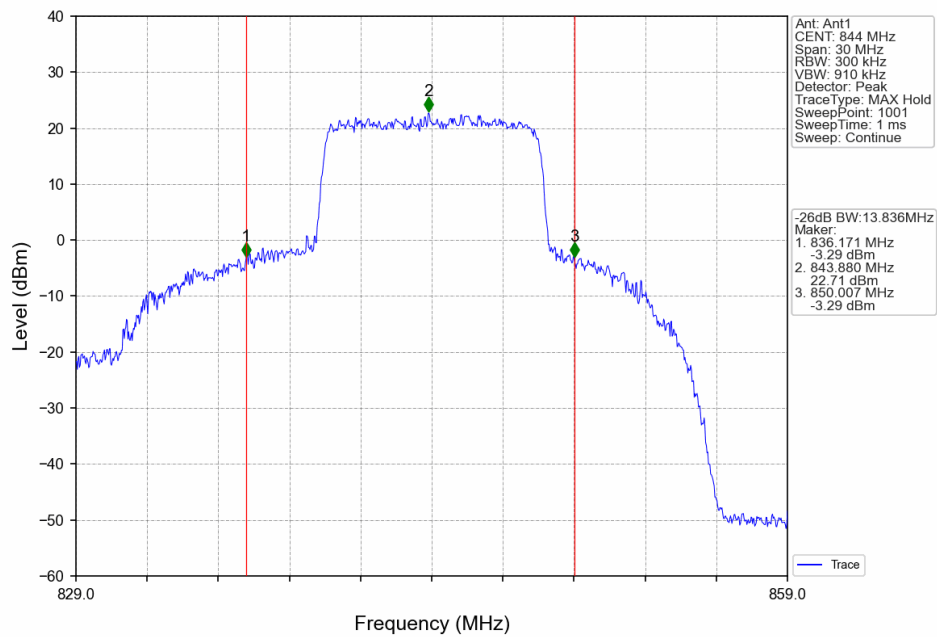
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



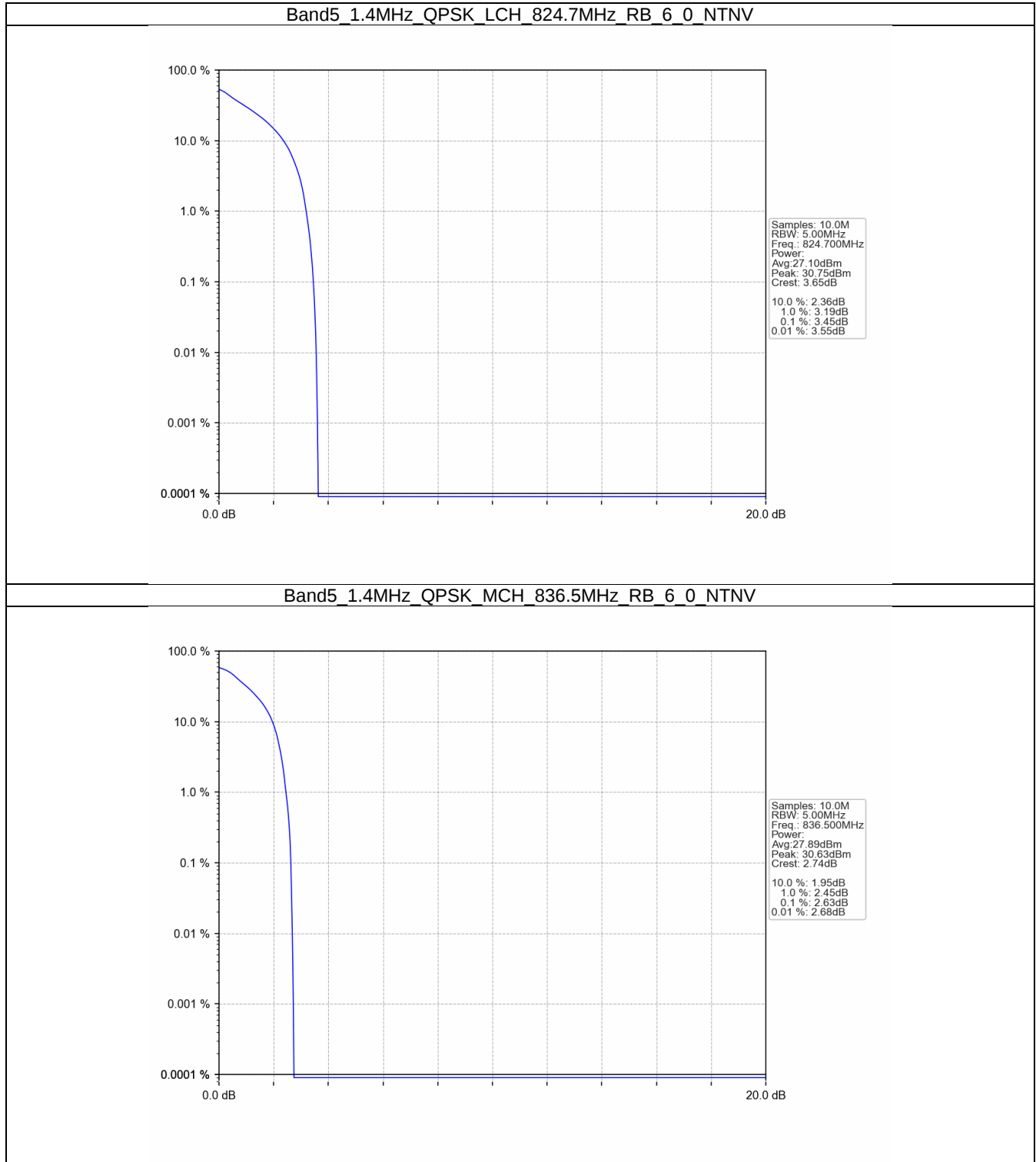
5. Peak-Average Ratio

5.1 B5_1.4MHz

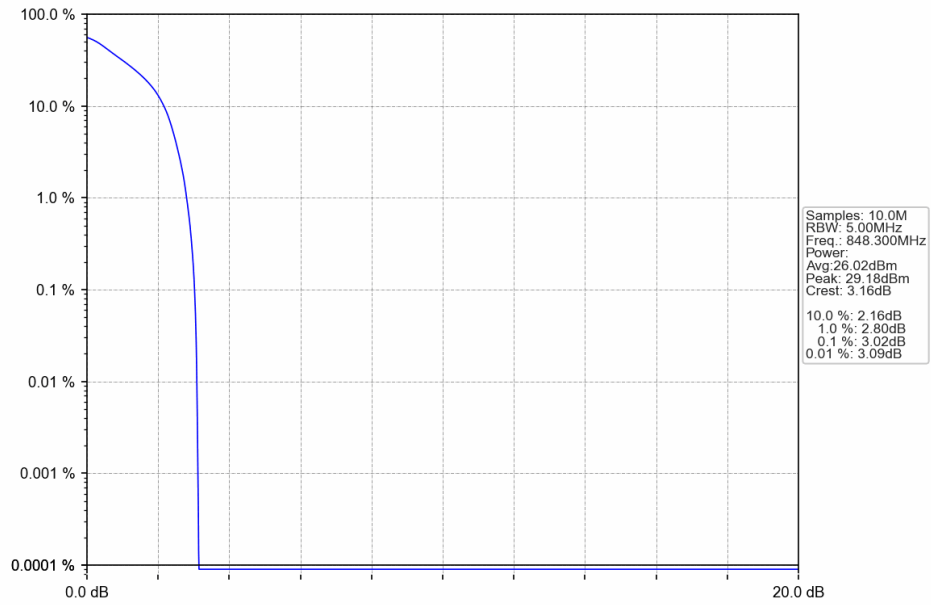
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	3.45	<=13	Pass
	836.5	6	0	2.63	<=13	Pass
	848.3	6	0	3.02	<=13	Pass
16QAM	824.7	6	0	3.53	<=13	Pass
	836.5	6	0	2.66	<=13	Pass
	848.3	6	0	3.04	<=13	Pass

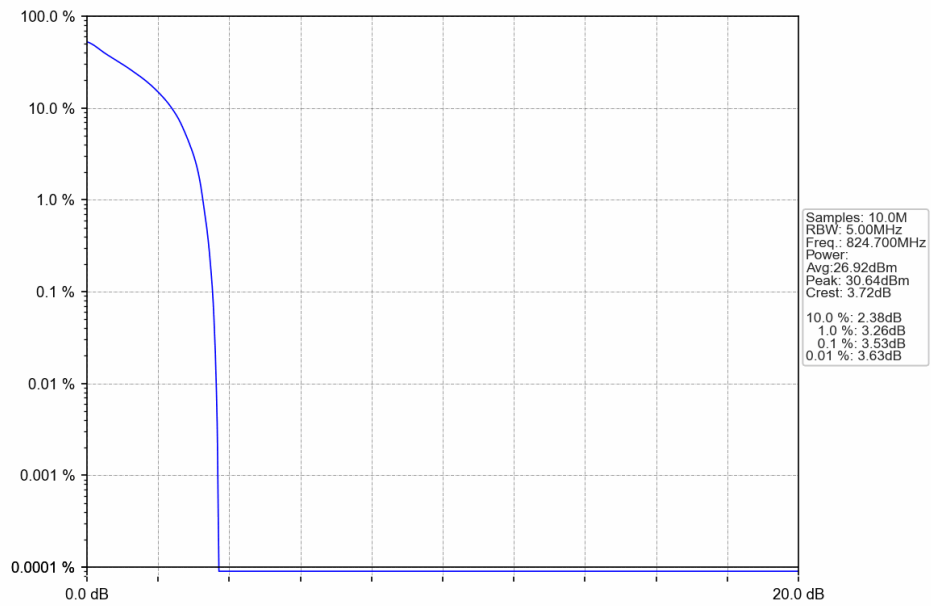
5.1.2 Test Graph



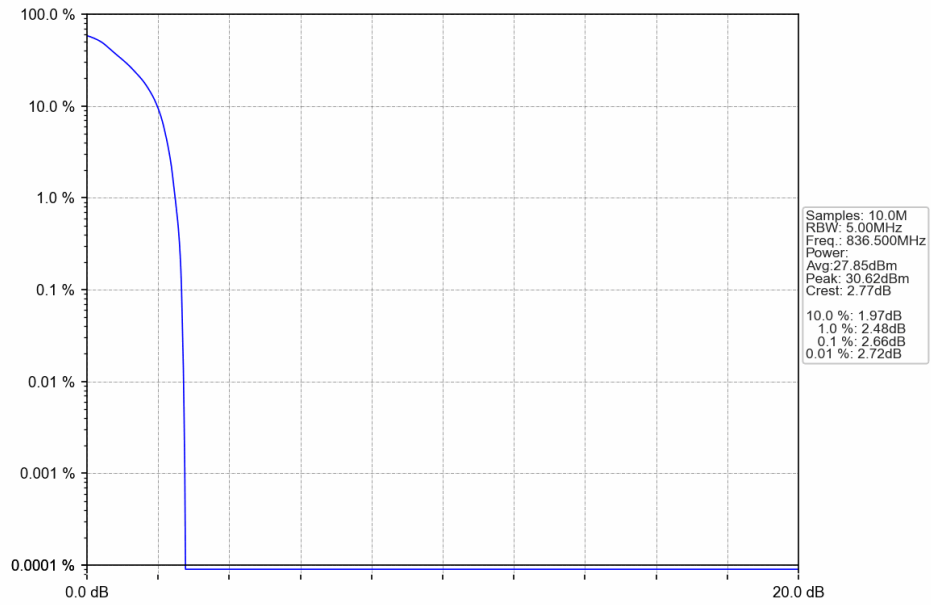
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



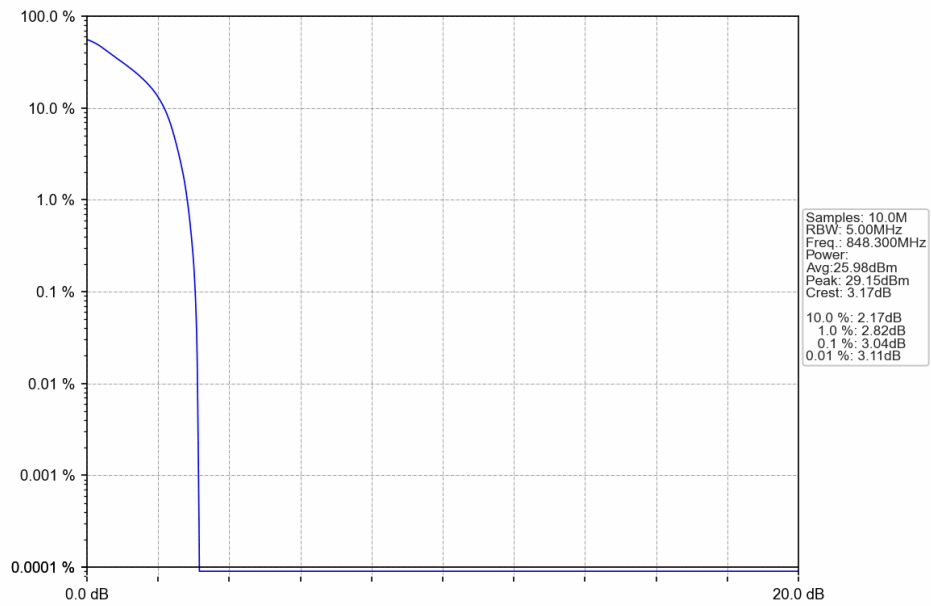
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

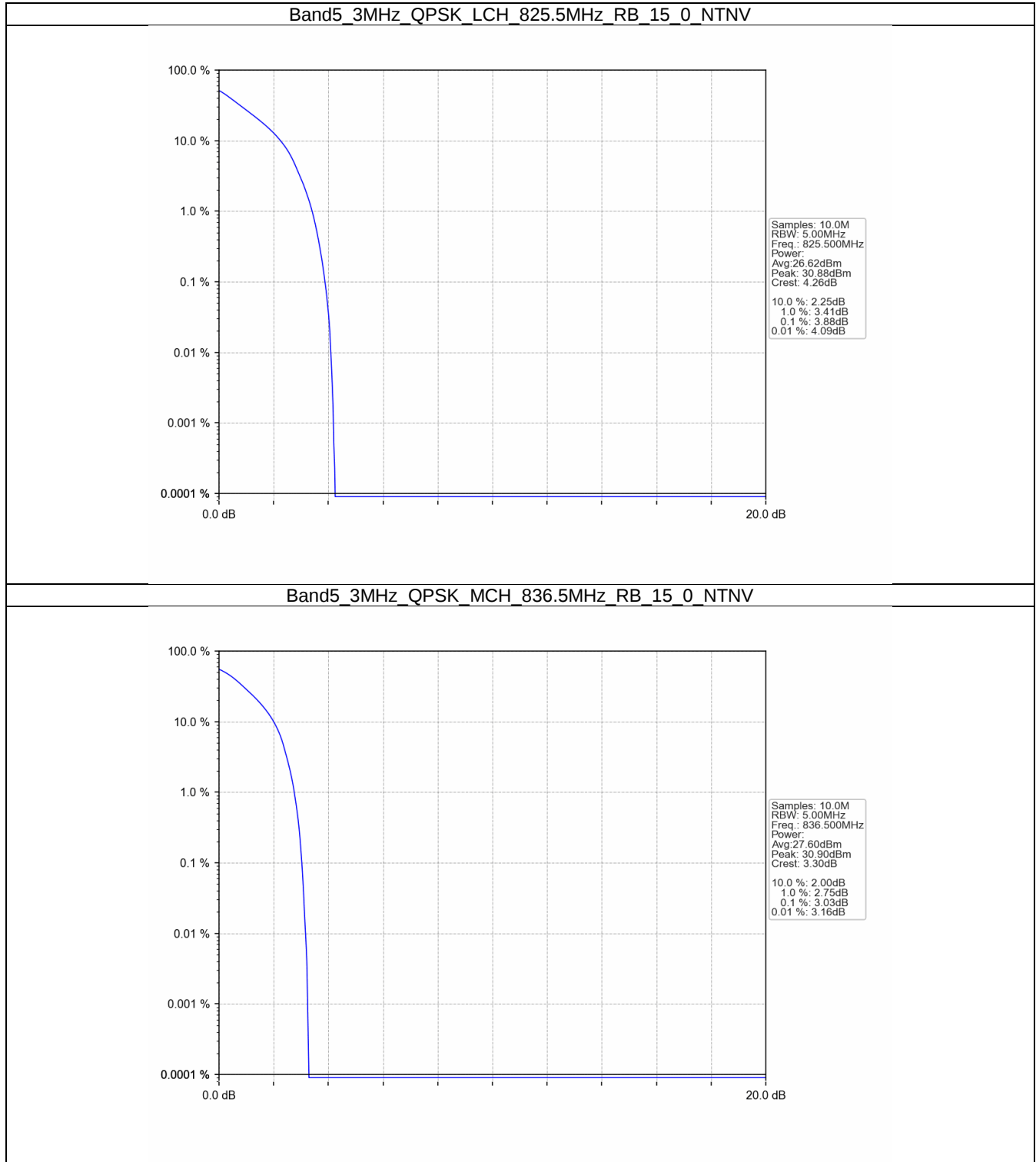


5.2 B5_3MHz

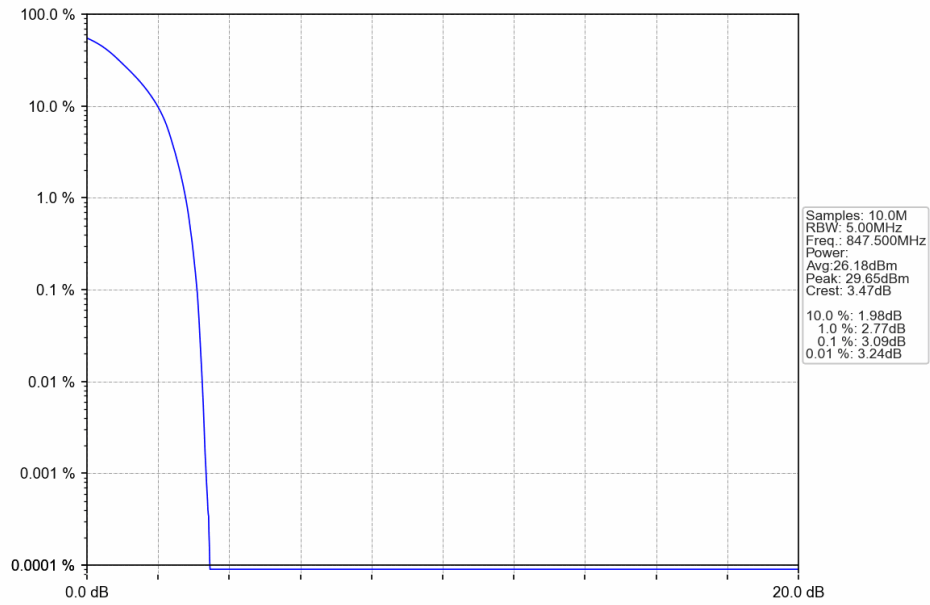
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	3.88	<=13	Pass
	836.5	15	0	3.03	<=13	Pass
	847.5	15	0	3.09	<=13	Pass
16QAM	825.5	15	0	4.07	<=13	Pass
	836.5	15	0	3.23	<=13	Pass
	847.5	15	0	3.35	<=13	Pass

5.2.2 Test Graph



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

