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	22.84	-4.65	16.04	<=38.45	Pass
			2	22.83	-4.65	16.03	<=38.45	Pass
			5	22.91	-4.65	16.11	<=38.45	Pass
		3	0	23.11	-4.65	16.31	<=38.45	Pass
			2	23.11	-4.65	16.31	<=38.45	Pass
			3	23.11	-4.65	16.31	<=38.45	Pass
		6	0	22.07	-4.65	15.27	<=38.45	Pass
	836.5	1	0	22.98	-4.65	16.18	<=38.45	Pass
			2	22.98	-4.65	16.18	<=38.45	Pass
			5	23.00	-4.65	16.20	<=38.45	Pass
		3	0	23.11	-4.65	16.31	<=38.45	Pass
			2	23.12	-4.65	16.32	<=38.45	Pass
			3	23.10	-4.65	16.30	<=38.45	Pass
		6	0	22.06	-4.65	15.26	<=38.45	Pass
	848.3	1	0	22.74	-4.65	15.94	<=38.45	Pass
			2	22.79	-4.65	15.99	<=38.45	Pass
			5	22.80	-4.65	16.00	<=38.45	Pass
		3	0	23.06	-4.65	16.26	<=38.45	Pass
			2	23.06	-4.65	16.26	<=38.45	Pass
			3	23.07	-4.65	16.27	<=38.45	Pass
		6	0	22.01	-4.65	15.21	<=38.45	Pass
16QAM	824.7	1	0	22.08	-4.65	15.28	<=38.45	Pass
			2	22.08	-4.65	15.28	<=38.45	Pass
			5	22.09	-4.65	15.29	<=38.45	Pass
		3	0	22.20	-4.65	15.40	<=38.45	Pass
			2	22.22	-4.65	15.42	<=38.45	Pass
			3	22.25	-4.65	15.45	<=38.45	Pass
		6	0	21.08	-4.65	14.28	<=38.45	Pass
	836.5	1	0	22.12	-4.65	15.32	<=38.45	Pass
			2	22.09	-4.65	15.29	<=38.45	Pass
			5	22.14	-4.65	15.34	<=38.45	Pass
		3	0	22.06	-4.65	15.26	<=38.45	Pass
			2	22.05	-4.65	15.25	<=38.45	Pass
			3	22.06	-4.65	15.26	<=38.45	Pass
		6	0	20.95	-4.65	14.15	<=38.45	Pass
	848.3	1	0	22.00	-4.65	15.20	<=38.45	Pass
			2	21.99	-4.65	15.19	<=38.45	Pass
			5	21.99	-4.65	15.19	<=38.45	Pass
		3	0	22.16	-4.65	15.36	<=38.45	Pass
			2	22.22	-4.65	15.42	<=38.45	Pass
			3	22.22	-4.65	15.42	<=38.45	Pass
		6	0	20.93	-4.65	14.13	<=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	22.89	-4.65	16.09	<=38.45	Pass
			7	22.98	-4.65	16.18	<=38.45	Pass
			14	22.97	-4.65	16.17	<=38.45	Pass
		8	0	22.00	-4.65	15.20	<=38.45	Pass
			4	22.06	-4.65	15.26	<=38.45	Pass
			7	22.12	-4.65	15.32	<=38.45	Pass
		15	0	22.04	-4.65	15.24	<=38.45	Pass
	836.5	1	0	23.09	-4.65	16.29	<=38.45	Pass
			7	23.15	-4.65	16.35	<=38.45	Pass
			14	23.07	-4.65	16.27	<=38.45	Pass
		8	0	21.97	-4.65	15.17	<=38.45	Pass
			4	22.02	-4.65	15.22	<=38.45	Pass
			7	21.99	-4.65	15.19	<=38.45	Pass
		15	0	22.02	-4.65	15.22	<=38.45	Pass
	847.5	1	0	22.93	-4.65	16.13	<=38.45	Pass
			7	22.91	-4.65	16.11	<=38.45	Pass
			14	22.90	-4.65	16.10	<=38.45	Pass
		8	0	21.99	-4.65	15.19	<=38.45	Pass
			4	21.94	-4.65	15.14	<=38.45	Pass
			7	21.89	-4.65	15.09	<=38.45	Pass
		15	0	21.99	-4.65	15.19	<=38.45	Pass
16QAM	825.5	1	0	22.22	-4.65	15.42	<=38.45	Pass
			7	22.28	-4.65	15.48	<=38.45	Pass
			14	22.28	-4.65	15.48	<=38.45	Pass
		8	0	20.96	-4.65	14.16	<=38.45	Pass
			4	21.03	-4.65	14.23	<=38.45	Pass
			7	21.04	-4.65	14.24	<=38.45	Pass
		15	0	21.02	-4.65	14.22	<=38.45	Pass
	836.5	1	0	22.42	-4.65	15.62	<=38.45	Pass
			7	22.48	-4.65	15.68	<=38.45	Pass
			14	22.44	-4.65	15.64	<=38.45	Pass
		8	0	21.23	-4.65	14.43	<=38.45	Pass
			4	21.28	-4.65	14.48	<=38.45	Pass
			7	21.27	-4.65	14.47	<=38.45	Pass
		15	0	21.12	-4.65	14.32	<=38.45	Pass
	847.5	1	0	22.06	-4.65	15.26	<=38.45	Pass
			7	22.01	-4.65	15.21	<=38.45	Pass
			14	22.03	-4.65	15.23	<=38.45	Pass
		8	0	21.11	-4.65	14.31	<=38.45	Pass
			4	21.05	-4.65	14.25	<=38.45	Pass
			7	20.99	-4.65	14.19	<=38.45	Pass
		15	0	21.06	-4.65	14.26	<=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	23.07	-4.65	16.27	<=38.45	Pass
			13	23.13	-4.65	16.33	<=38.45	Pass
			24	23.12	-4.65	16.32	<=38.45	Pass
		12	0	22.06	-4.65	15.26	<=38.45	Pass
			6	22.10	-4.65	15.30	<=38.45	Pass
			13	22.09	-4.65	15.29	<=38.45	Pass

		25	0	22.08	-4.65	15.28	<=38.45	Pass
	836.5	1	0	22.97	-4.65	16.17	<=38.45	Pass
			13	23.00	-4.65	16.20	<=38.45	Pass
			24	23.04	-4.65	16.24	<=38.45	Pass
		12	0	22.13	-4.65	15.33	<=38.45	Pass
			6	22.12	-4.65	15.32	<=38.45	Pass
			13	22.03	-4.65	15.23	<=38.45	Pass
		25	0	22.08	-4.65	15.28	<=38.45	Pass
	846.5	1	0	23.24	-4.65	16.44	<=38.45	Pass
			13	23.26	-4.65	16.46	<=38.45	Pass
			24	23.22	-4.65	16.42	<=38.45	Pass
		12	0	22.04	-4.65	15.24	<=38.45	Pass
			6	21.99	-4.65	15.19	<=38.45	Pass
			13	21.84	-4.65	15.04	<=38.45	Pass
		25	0	21.94	-4.65	15.14	<=38.45	Pass
16QAM	826.5	1	0	22.14	-4.65	15.34	<=38.45	Pass
			13	22.18	-4.65	15.38	<=38.45	Pass
			24	22.22	-4.65	15.42	<=38.45	Pass
		12	0	21.08	-4.65	14.28	<=38.45	Pass
			6	21.10	-4.65	14.30	<=38.45	Pass
			13	21.13	-4.65	14.33	<=38.45	Pass
		25	0	21.15	-4.65	14.35	<=38.45	Pass
	836.5	1	0	22.24	-4.65	15.44	<=38.45	Pass
			13	22.27	-4.65	15.47	<=38.45	Pass
			24	22.26	-4.65	15.46	<=38.45	Pass
		12	0	21.15	-4.65	14.35	<=38.45	Pass
			6	21.12	-4.65	14.32	<=38.45	Pass
			13	21.05	-4.65	14.25	<=38.45	Pass
		25	0	21.10	-4.65	14.30	<=38.45	Pass
	846.5	1	0	21.92	-4.65	15.12	<=38.45	Pass
			13	21.92	-4.65	15.12	<=38.45	Pass
			24	21.85	-4.65	15.05	<=38.45	Pass
		12	0	21.11	-4.65	14.31	<=38.45	Pass
			6	21.09	-4.65	14.29	<=38.45	Pass
			13	20.90	-4.65	14.10	<=38.45	Pass
		25	0	21.02	-4.65	14.22	<=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	22.96	-4.65	16.16	<=38.45	Pass
			25	23.07	-4.65	16.27	<=38.45	Pass
			49	23.04	-4.65	16.24	<=38.45	Pass
		25	0	21.99	-4.65	15.19	<=38.45	Pass
			13	22.12	-4.65	15.32	<=38.45	Pass
			25	22.16	-4.65	15.36	<=38.45	Pass
		50	0	22.11	-4.65	15.31	<=38.45	Pass
	836.5	1	0	23.01	-4.65	16.21	<=38.45	Pass
			25	23.06	-4.65	16.26	<=38.45	Pass
			49	22.99	-4.65	16.19	<=38.45	Pass
		25	0	22.11	-4.65	15.31	<=38.45	Pass
			13	22.11	-4.65	15.31	<=38.45	Pass
			25	22.01	-4.65	15.21	<=38.45	Pass
		50	0	22.08	-4.65	15.28	<=38.45	Pass

	844	1	0	23.09	-4.65	16.29	<=38.45	Pass
			25	23.05	-4.65	16.25	<=38.45	Pass
			49	23.06	-4.65	16.26	<=38.45	Pass
		25	0	22.03	-4.65	15.23	<=38.45	Pass
			13	22.11	-4.65	15.31	<=38.45	Pass
			25	21.86	-4.65	15.06	<=38.45	Pass
		50	0	21.98	-4.65	15.18	<=38.45	Pass
16QAM	829	1	0	22.02	-4.65	15.22	<=38.45	Pass
			25	22.08	-4.65	15.28	<=38.45	Pass
			49	22.08	-4.65	15.28	<=38.45	Pass
		25	0	21.09	-4.65	14.29	<=38.45	Pass
			13	21.19	-4.65	14.39	<=38.45	Pass
			25	21.25	-4.65	14.45	<=38.45	Pass
		50	0	21.08	-4.65	14.28	<=38.45	Pass
	836.5	1	0	22.28	-4.65	15.48	<=38.45	Pass
			25	22.31	-4.65	15.51	<=38.45	Pass
			49	22.23	-4.65	15.43	<=38.45	Pass
		25	0	21.15	-4.65	14.35	<=38.45	Pass
			13	21.14	-4.65	14.34	<=38.45	Pass
			25	21.03	-4.65	14.23	<=38.45	Pass
		50	0	21.10	-4.65	14.30	<=38.45	Pass
	844	1	0	22.50	-4.65	15.70	<=38.45	Pass
			25	22.46	-4.65	15.66	<=38.45	Pass
			49	22.41	-4.65	15.61	<=38.45	Pass
		25	0	21.10	-4.65	14.30	<=38.45	Pass
			13	21.12	-4.65	14.32	<=38.45	Pass
			25	20.99	-4.65	14.19	<=38.45	Pass
		50	0	20.97	-4.65	14.17	<=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	-4.621	-0.0056	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	1.488	0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				-20	3.85	4.106	0.0050	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
				10	3.85	3.190	0.0039	-2.5 to 2.5	Pass
				30	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-4.106	-0.0049	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
					4.43	2.646	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.533	0.0042	-2.5 to 2.5	Pass

				0	3.85	2.189	0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-5.035	-0.0059	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0065	-2.5 to 2.5	Pass
					4.43	-1.945	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0029	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-5.980	-0.0073	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0040	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.336	-0.0065	-2.5 to 2.5	Pass
				30	3.85	1.216	0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0018	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-1.001	-0.0012	-2.5 to 2.5	Pass
					3.85	3.047	0.0036	-2.5 to 2.5	Pass
					4.43	0.601	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				40	3.85	1.760	0.0021	-2.5 to 2.5	Pass
				50	3.85	-7.453	-0.0089	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.515	0.0006	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0081	-2.5 to 2.5	Pass
					4.43	-4.549	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.275	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-2.346	-0.0028	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-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	2.589	0.0031	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0012	-2.5 to 2.5	Pass

					4.43	0.601	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.349	-0.0053	-2.5 to 2.5	Pass
				30	3.85	2.518	0.0031	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0010	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	6.437	0.0077	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0060	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0034	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-6.852	-0.0082	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.187	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
					4.43	-1.431	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.817	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-2.303	-0.0028	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.618	-0.0032	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	1.230	0.0015	-2.5 to 2.5	Pass
					3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.817	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0081	-2.5 to 2.5	Pass

				0	3.85	-4.835	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-3.619	-0.0043	-2.5 to 2.5	Pass
				30	3.85	1.802	0.0021	-2.5 to 2.5	Pass
				40	3.85	-6.781	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-3.963	-0.0047	-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	0.730	0.0009	-2.5 to 2.5	Pass
					3.85	1.702	0.0021	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.257	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.990	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				50	3.85	-7.682	-0.0092	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.372	0.0004	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0037	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0036	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0031	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-1.860	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0043	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				0	3.85	2.046	0.0025	-2.5 to 2.5	Pass
				10	3.85	-9.055	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
				40	3.85	1.545	0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-3.476	-0.0042	-2.5 to 2.5	Pass
					3.85	-4.635	-0.0055	-2.5 to 2.5	Pass

					4.43	-3.548	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.958	0.0011	-2.5 to 2.5	Pass
					3.85	0.601	0.0007	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	2.747	0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				40	3.85	1.674	0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0057	-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	-2.918	-0.0035	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0004	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.535	-0.0054	-2.5 to 2.5	Pass
					3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.034	-0.0048	-2.5 to 2.5	Pass
					3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.202	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-2.718	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass

				40	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-1.016	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-1.659	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.347	-0.0040	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.992	-0.0059	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0048	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0044	-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		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 B5_3MHz

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

3.1.3 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

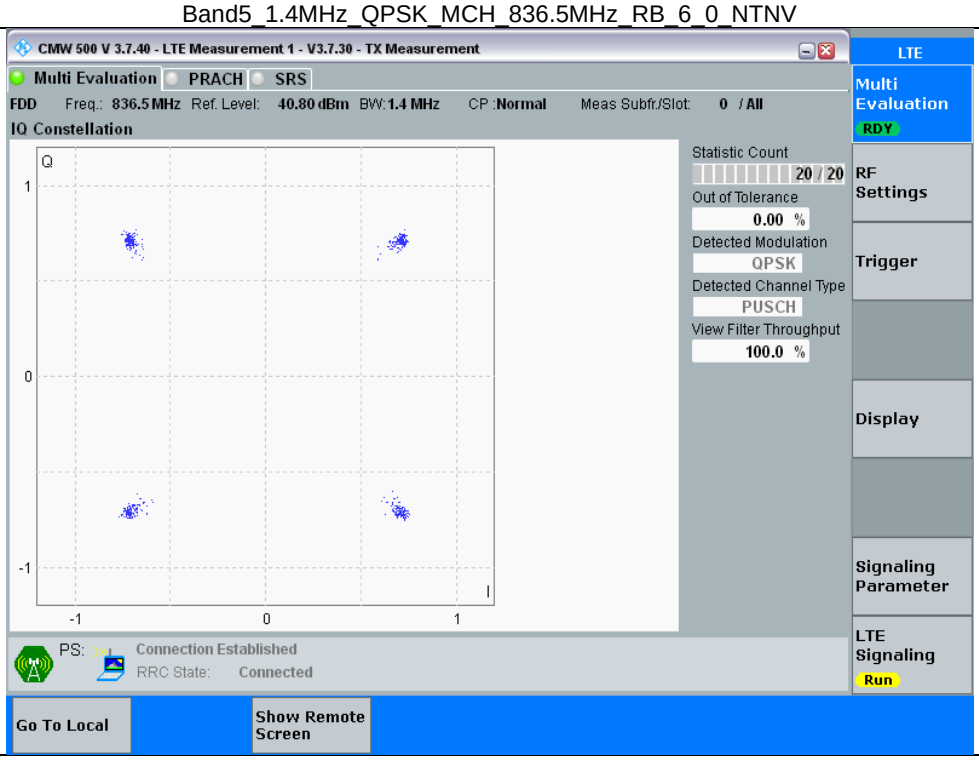
3.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
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

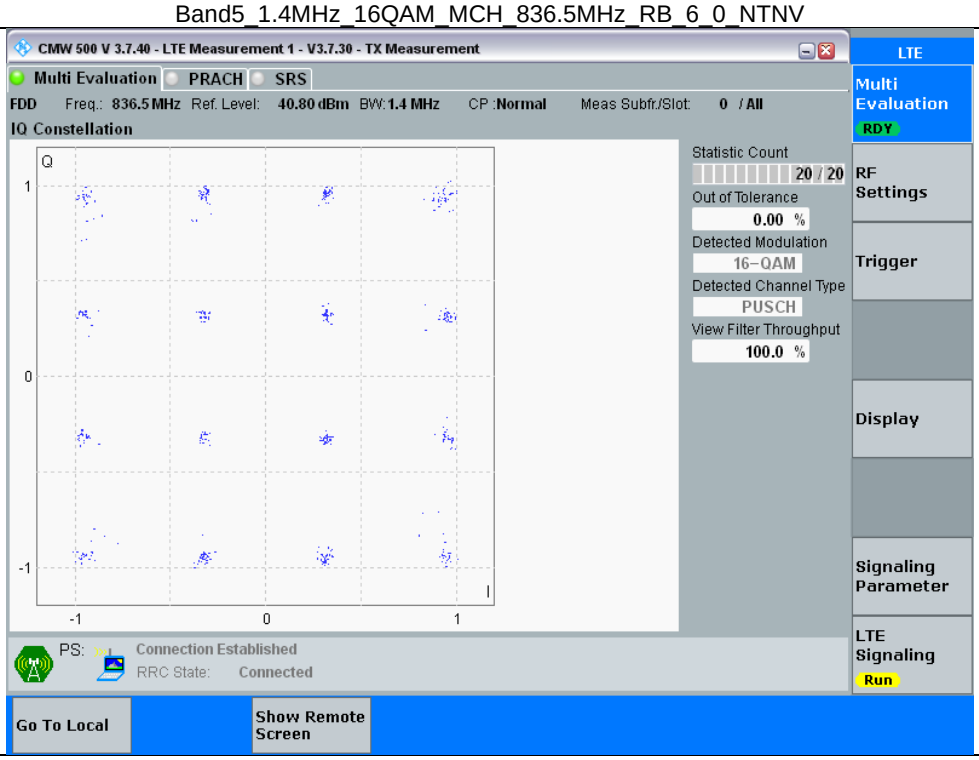
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

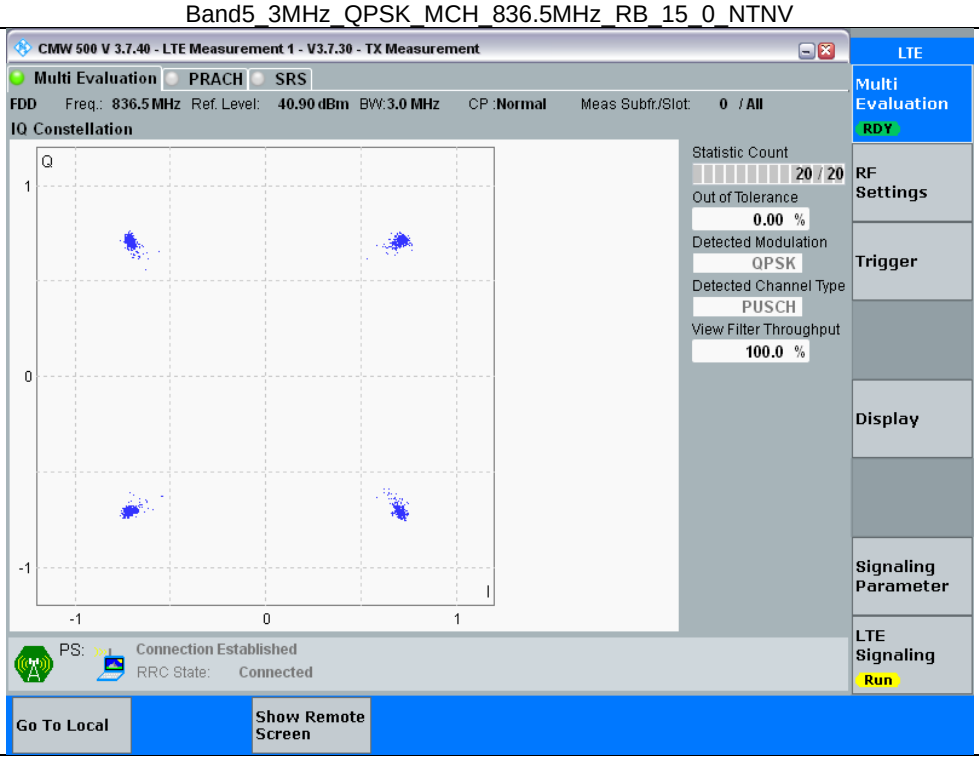


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

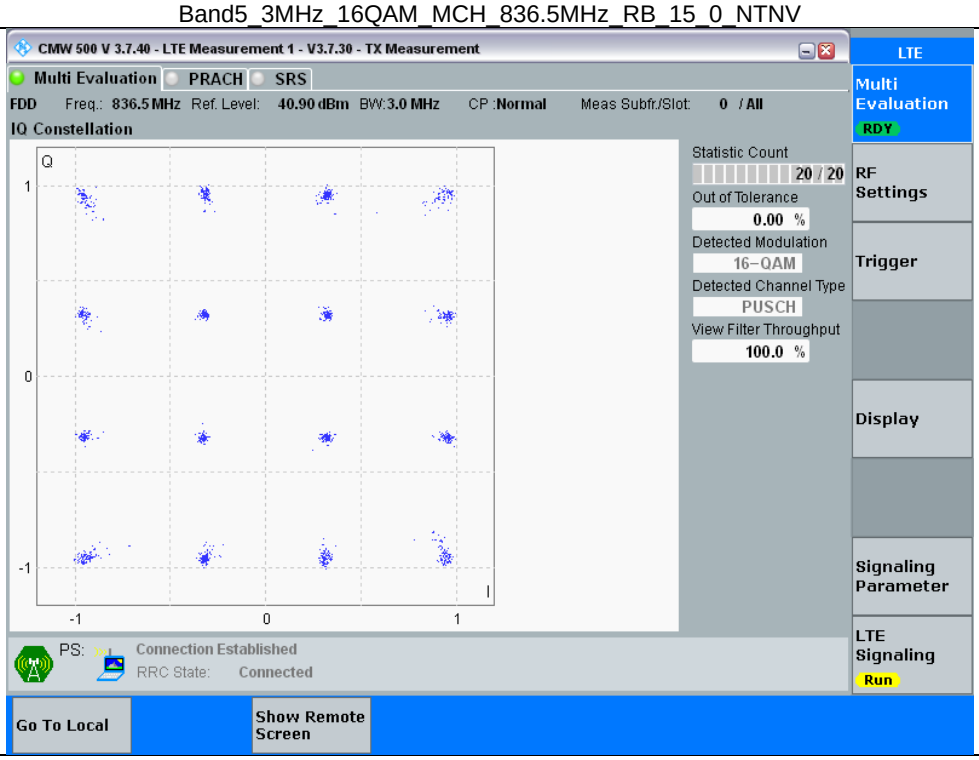


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

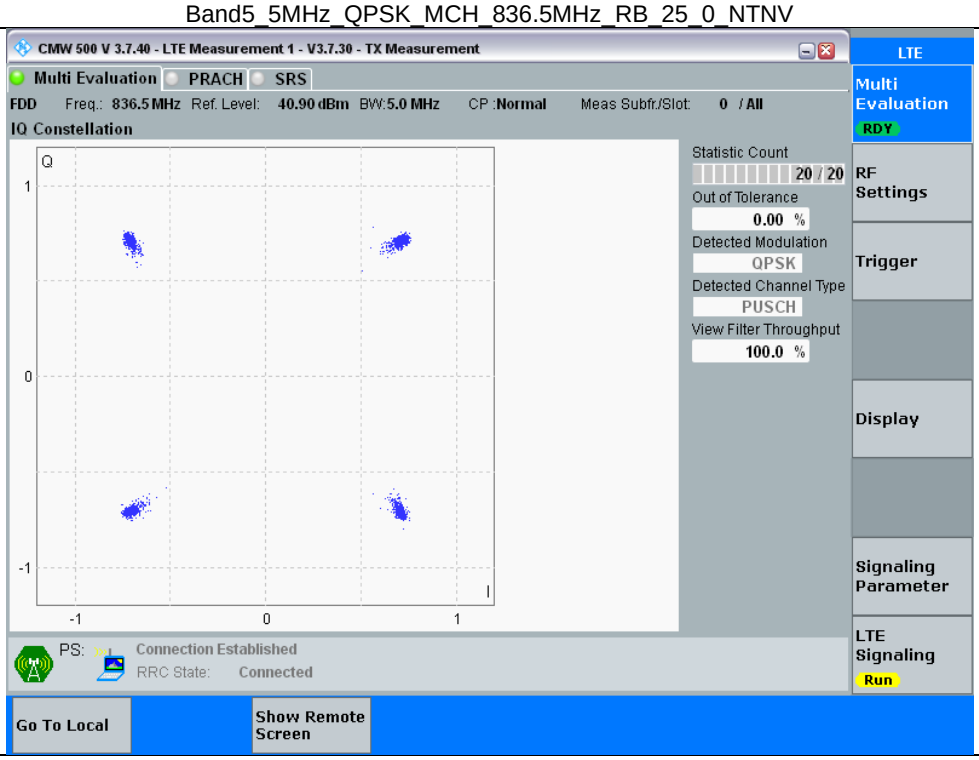


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

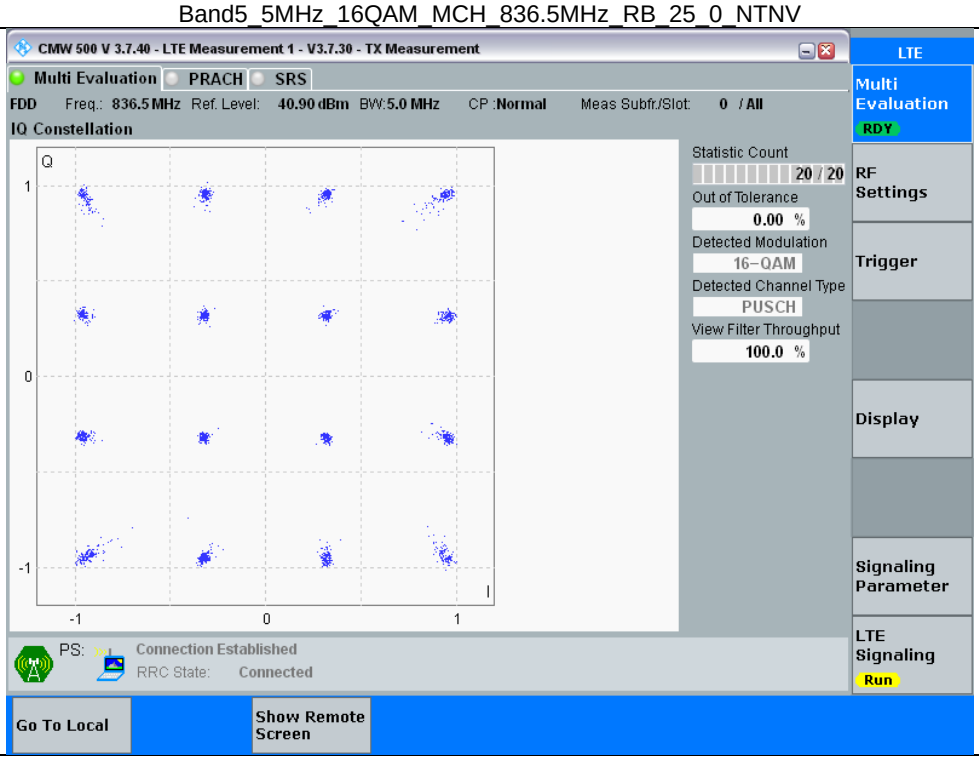


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

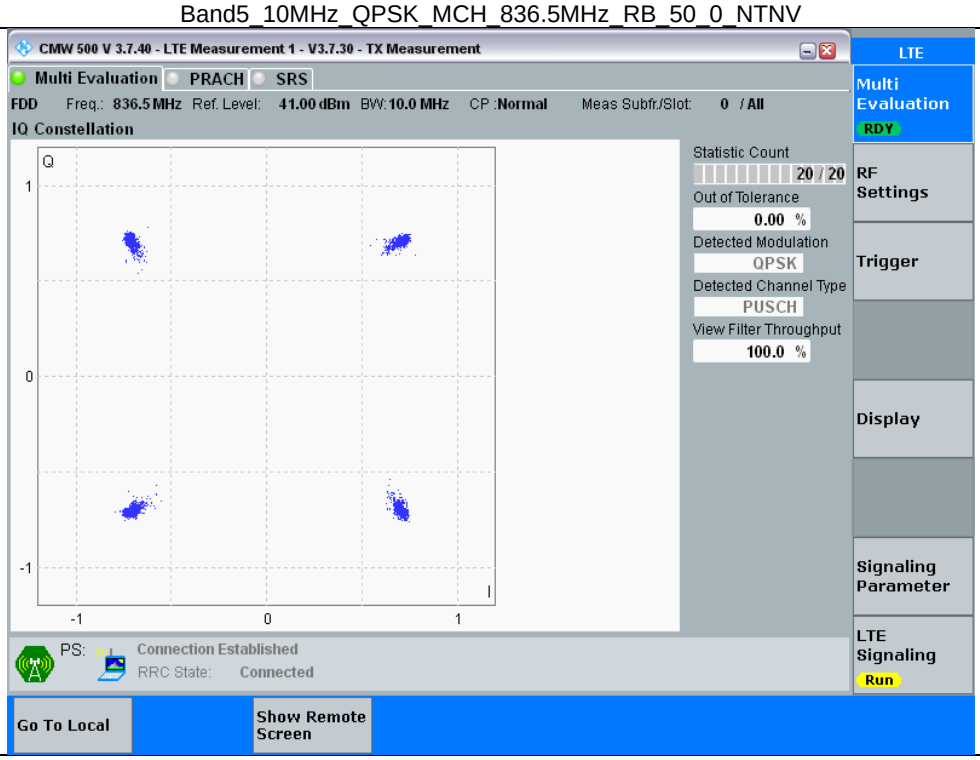


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

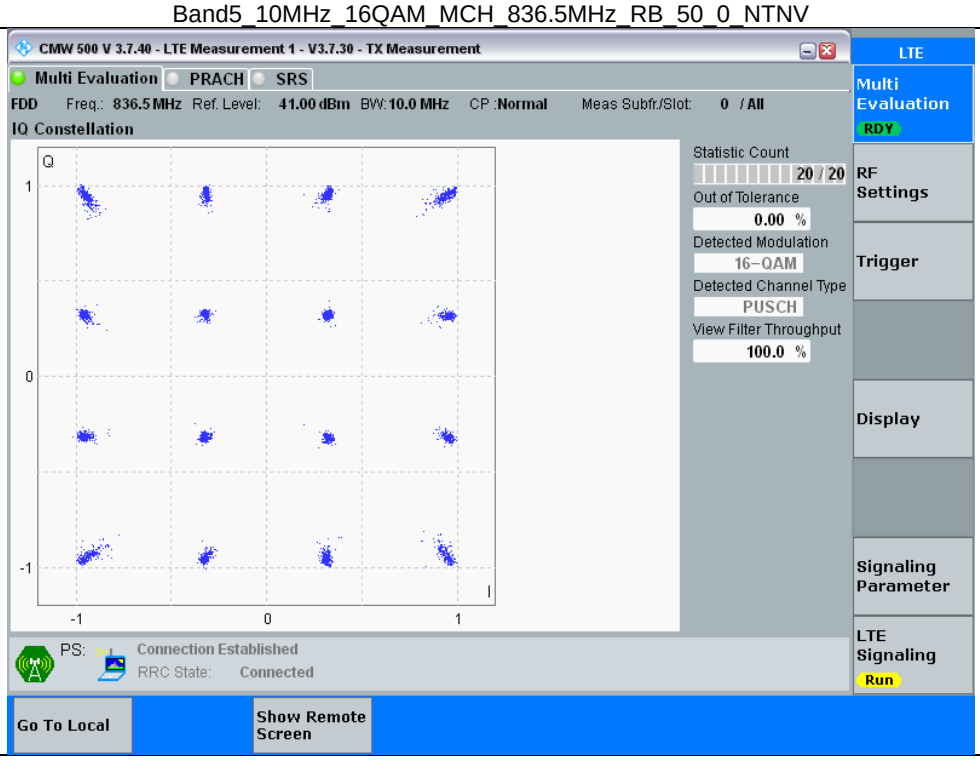


3.2.4 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

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	1.117	/	Pass
		836.5	6	0	1.123	/	Pass
		848.3	6	0	1.111	/	Pass
	16QAM	824.7	6	0	1.121	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.115	/	Pass
3	QPSK	825.5	15	0	2.740	/	Pass
		836.5	15	0	2.747	/	Pass
		847.5	15	0	2.733	/	Pass
	16QAM	825.5	15	0	2.737	/	Pass
		836.5	15	0	2.738	/	Pass
		847.5	15	0	2.740	/	Pass
5	QPSK	826.5	25	0	4.545	/	Pass
		836.5	25	0	4.545	/	Pass
		846.5	25	0	4.554	/	Pass
	16QAM	826.5	25	0	4.543	/	Pass
		836.5	25	0	4.576	/	Pass
		846.5	25	0	4.536	/	Pass
10	QPSK	829	50	0	9.054	/	Pass
		836.5	50	0	9.026	/	Pass
		844	50	0	9.068	/	Pass
	16QAM	829	50	0	9.046	/	Pass
		836.5	50	0	9.067	/	Pass
		844	50	0	9.083	/	Pass

4.1.2 Band5_XDB

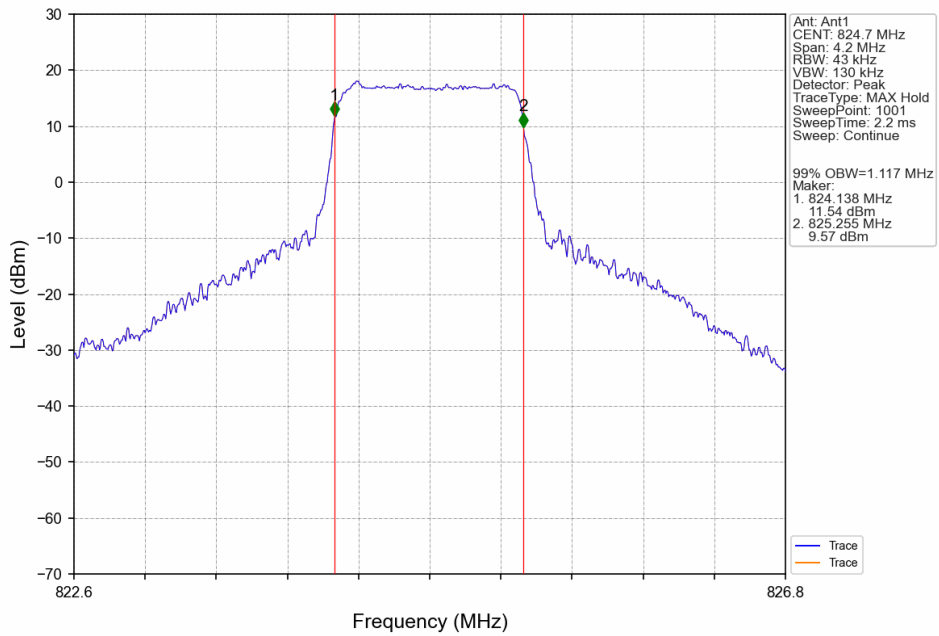
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.349	/	Pass
		836.5	6	0	1.342	/	Pass
		848.3	6	0	1.398	/	Pass
	16QAM	824.7	6	0	1.325	/	Pass
		836.5	6	0	1.379	/	Pass
		848.3	6	0	1.339	/	Pass
3	QPSK	825.5	15	0	3.039	/	Pass
		836.5	15	0	3.012	/	Pass
		847.5	15	0	3.029	/	Pass
	16QAM	825.5	15	0	3.037	/	Pass
		836.5	15	0	3.018	/	Pass
		847.5	15	0	3.042	/	Pass
5	QPSK	826.5	25	0	5.096	/	Pass
		836.5	25	0	5.056	/	Pass
		846.5	25	0	5.004	/	Pass

	16QAM	826.5	25	0	5.058	/	Pass
		836.5	25	0	5.046	/	Pass
		846.5	25	0	5.069	/	Pass
10	QPSK	829	50	0	9.963	/	Pass
		836.5	50	0	10.003	/	Pass
		844	50	0	10.084	/	Pass
	16QAM	829	50	0	9.953	/	Pass
		836.5	50	0	9.894	/	Pass
		844	50	0	9.958	/	Pass

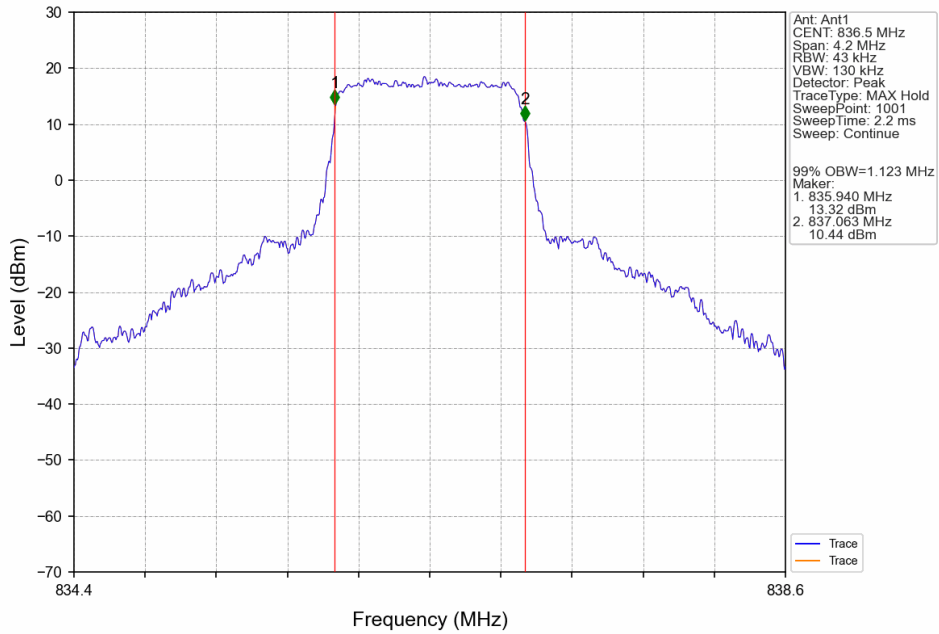
4.2 Test Graph

4.2.1 Band5_OBW

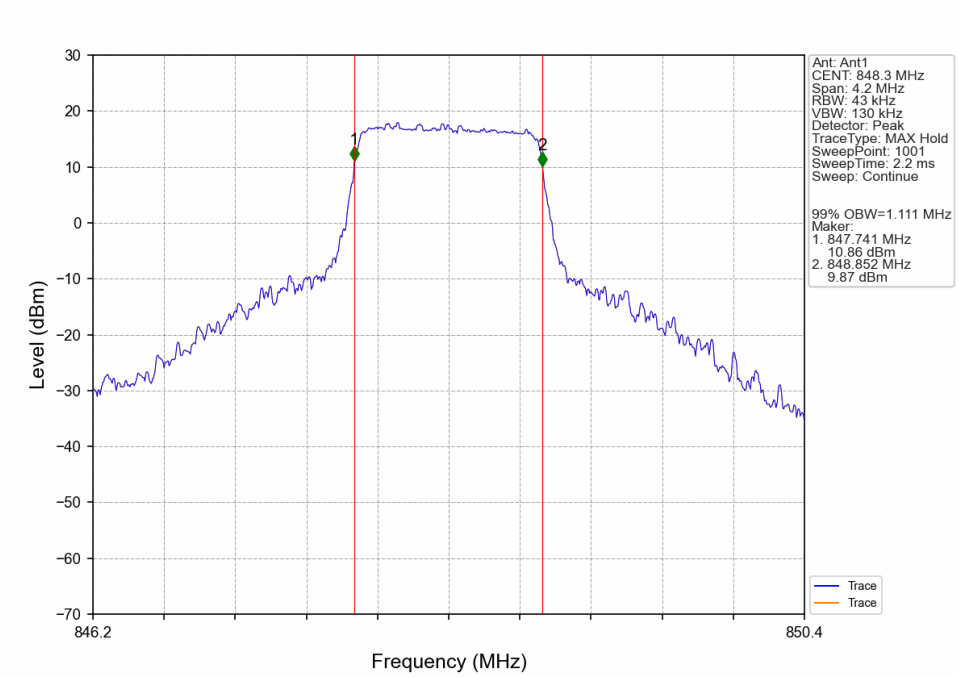
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



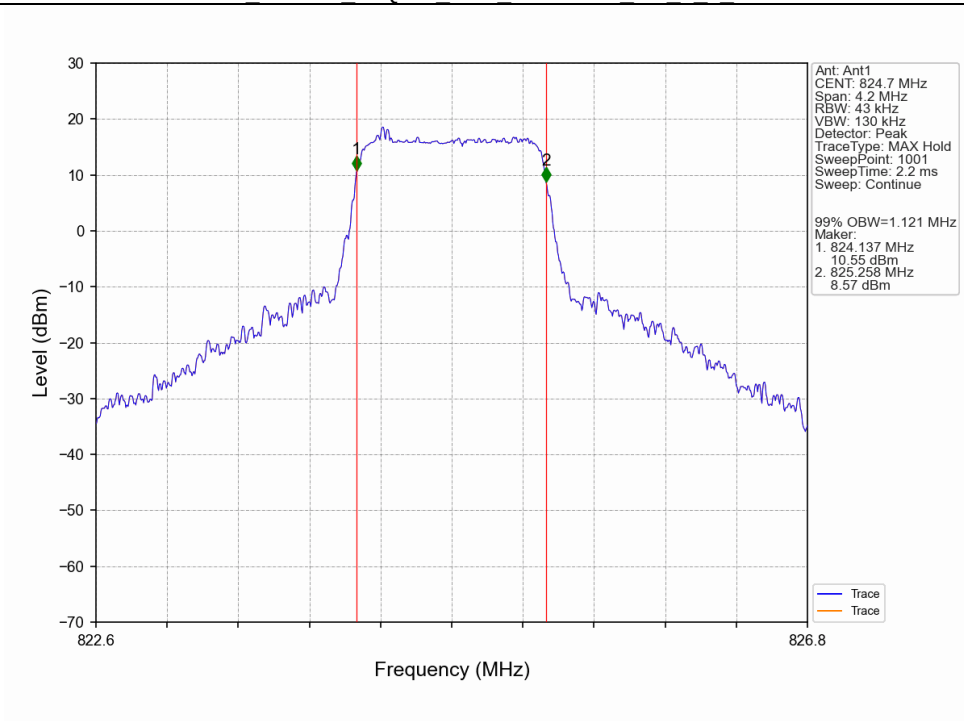
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



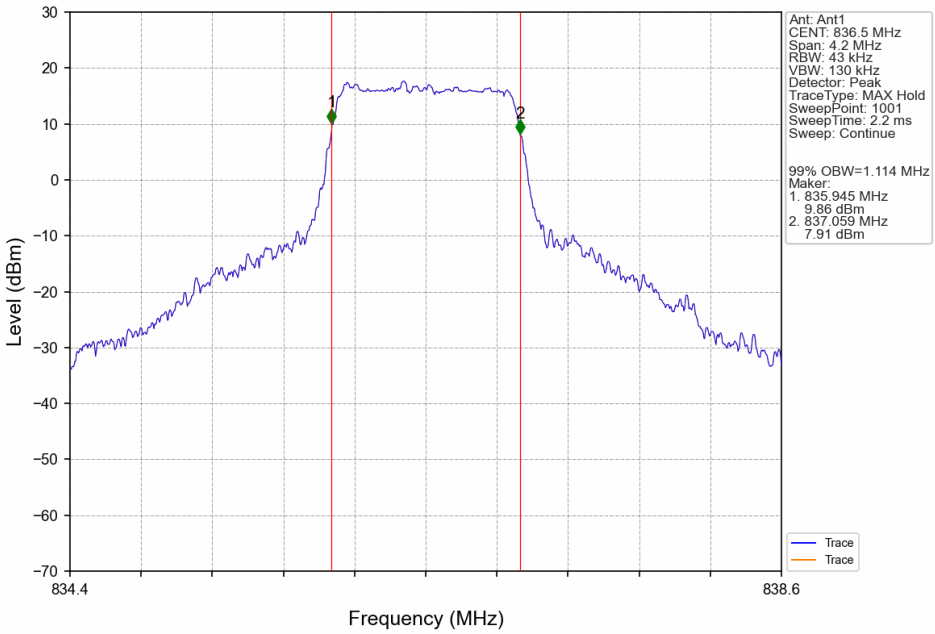
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



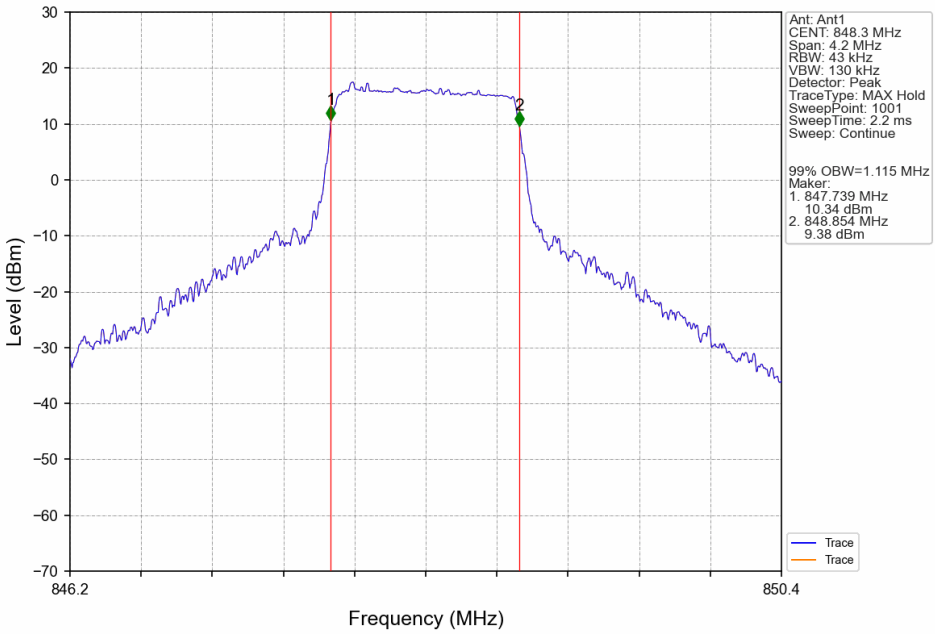
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



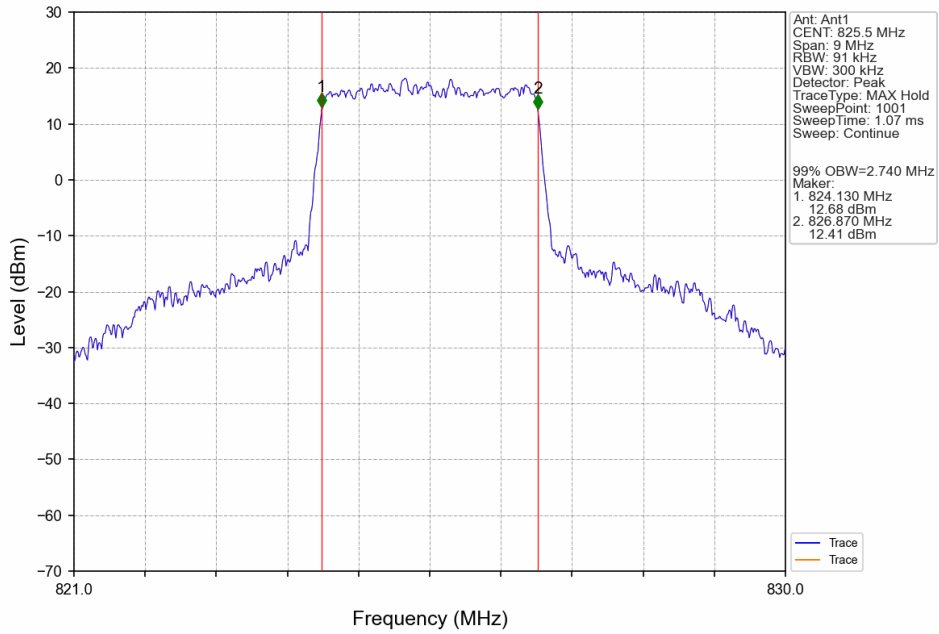
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



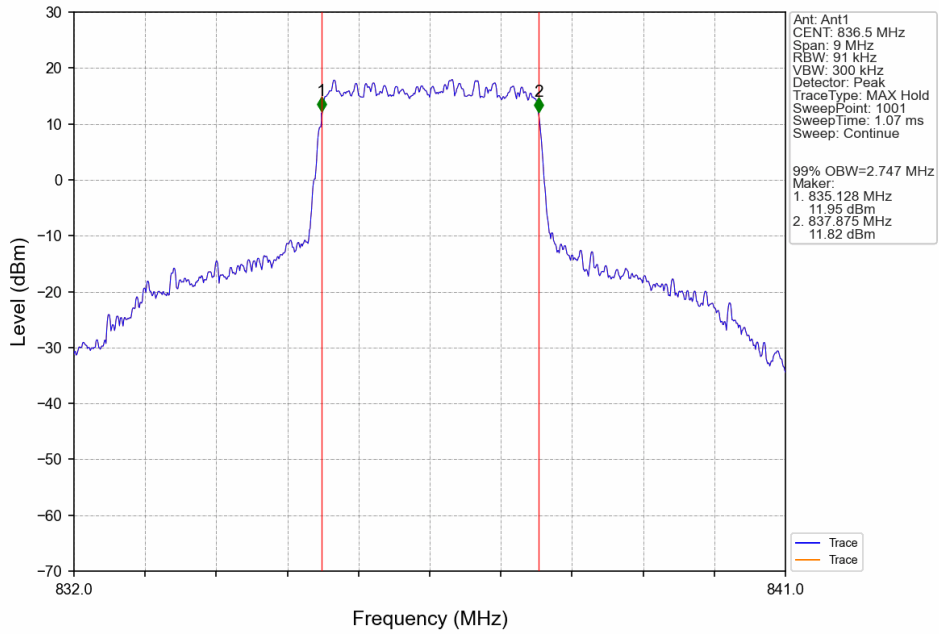
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



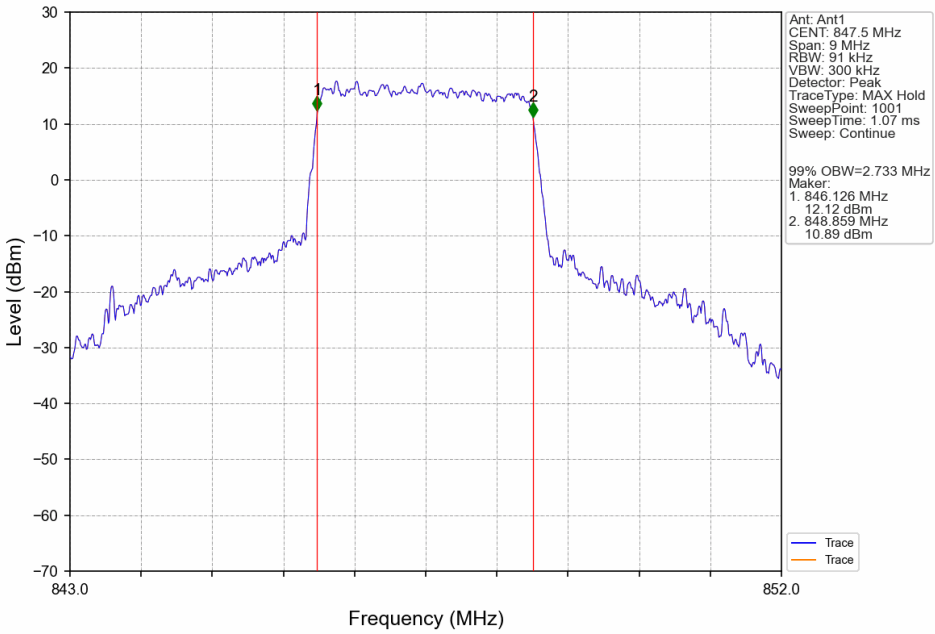
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



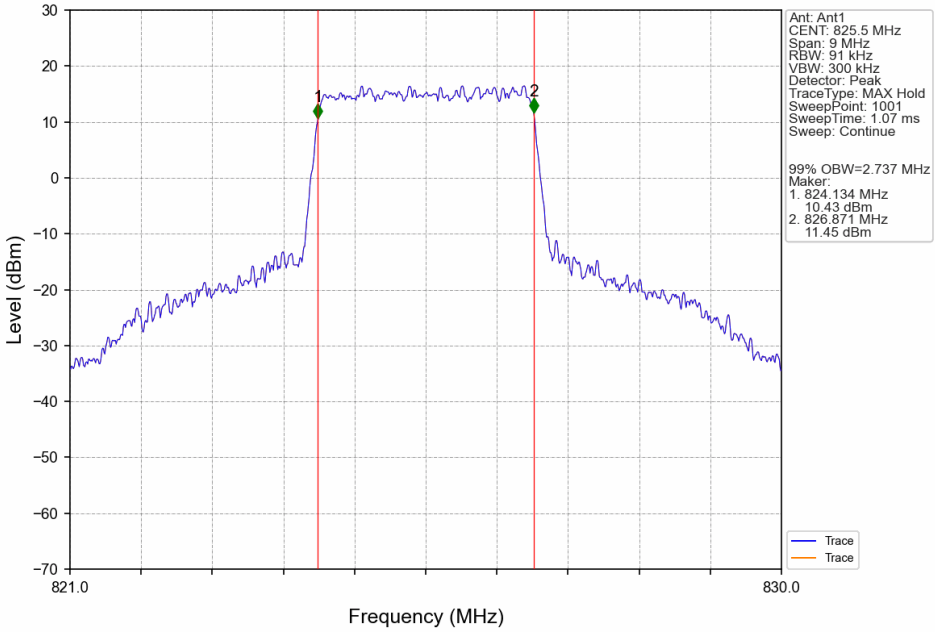
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



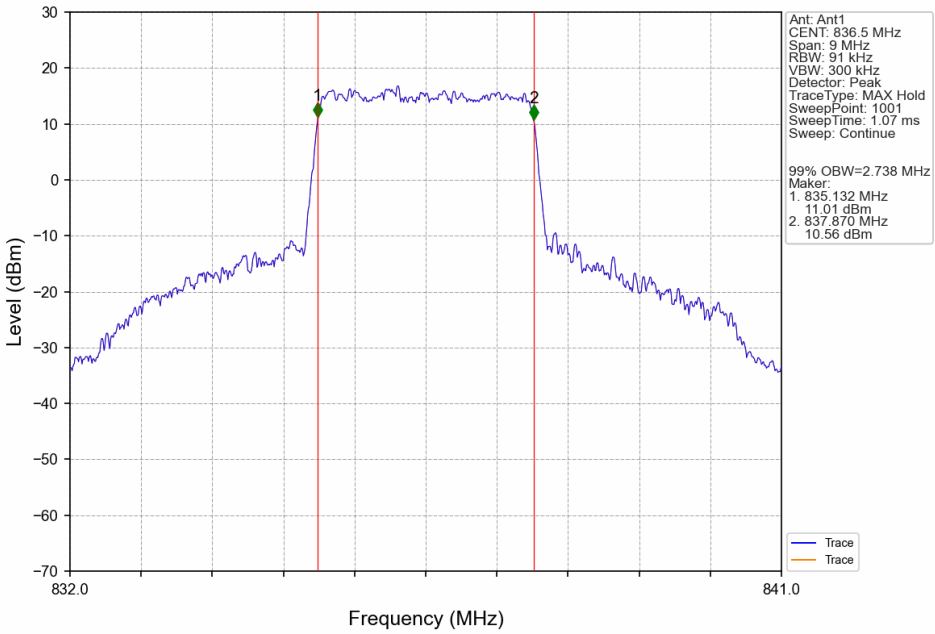
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



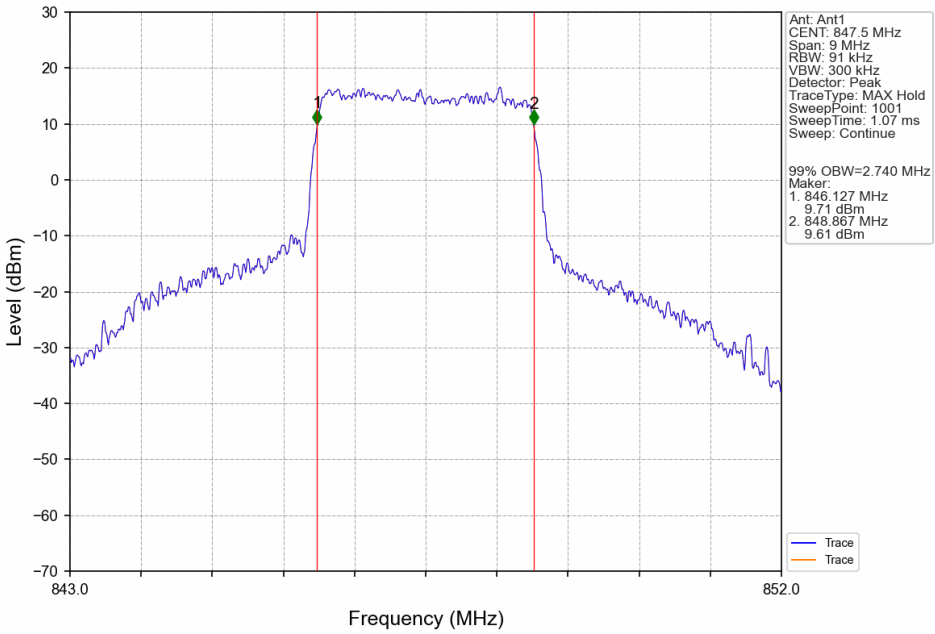
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



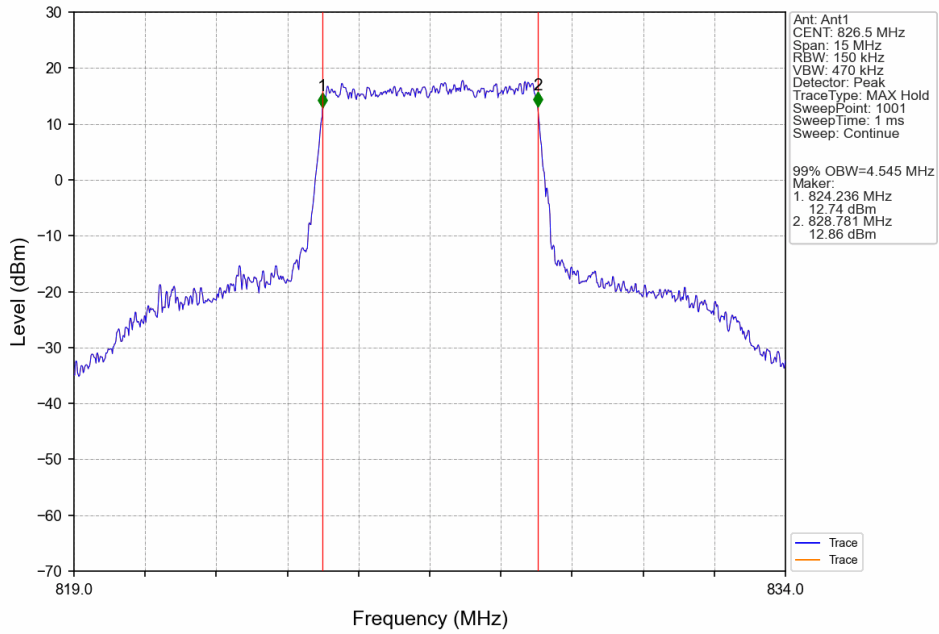
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



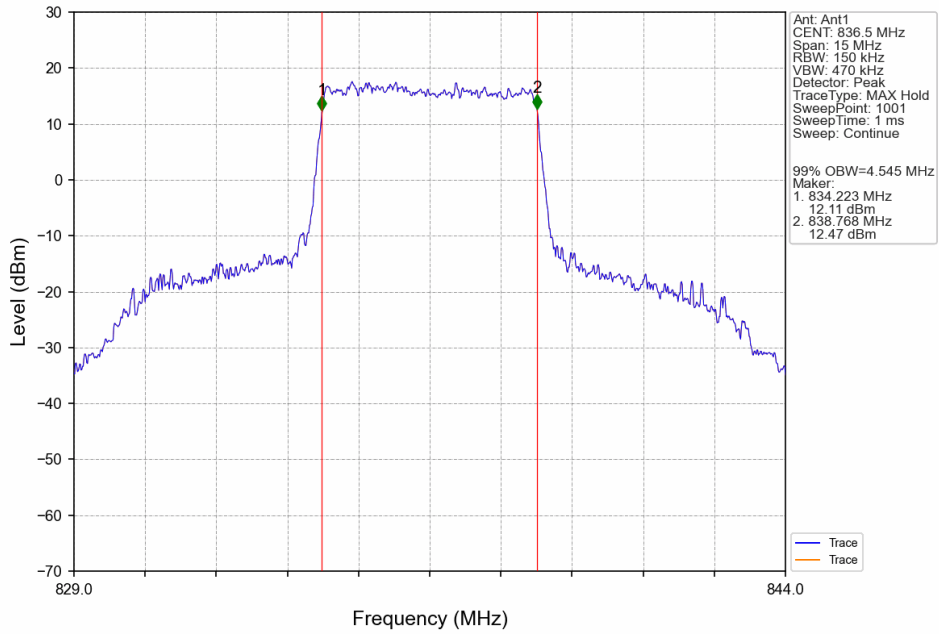
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



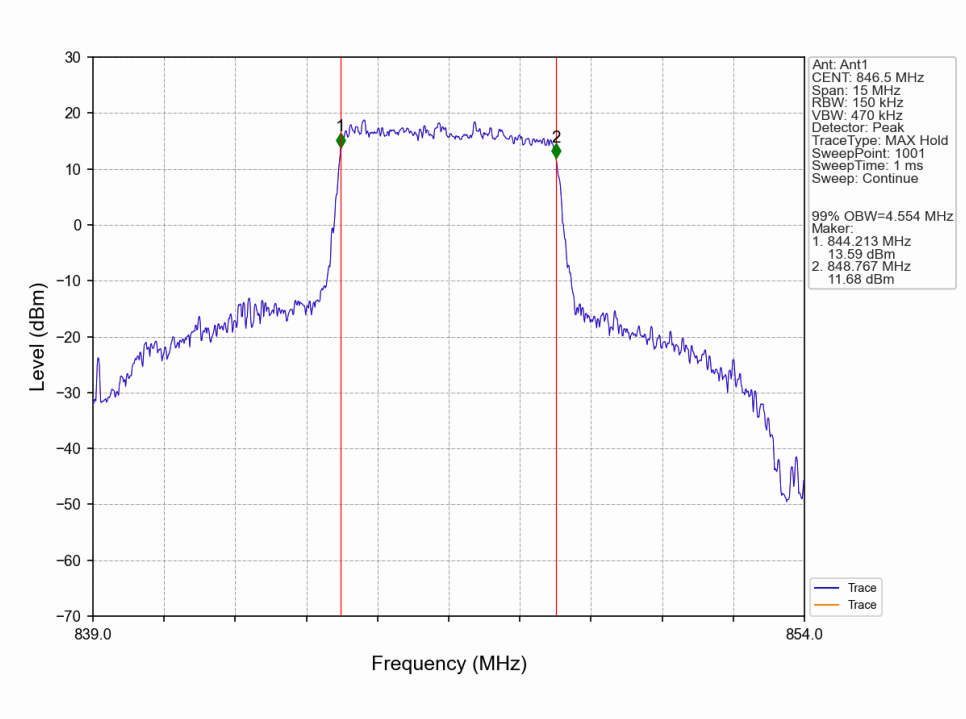
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



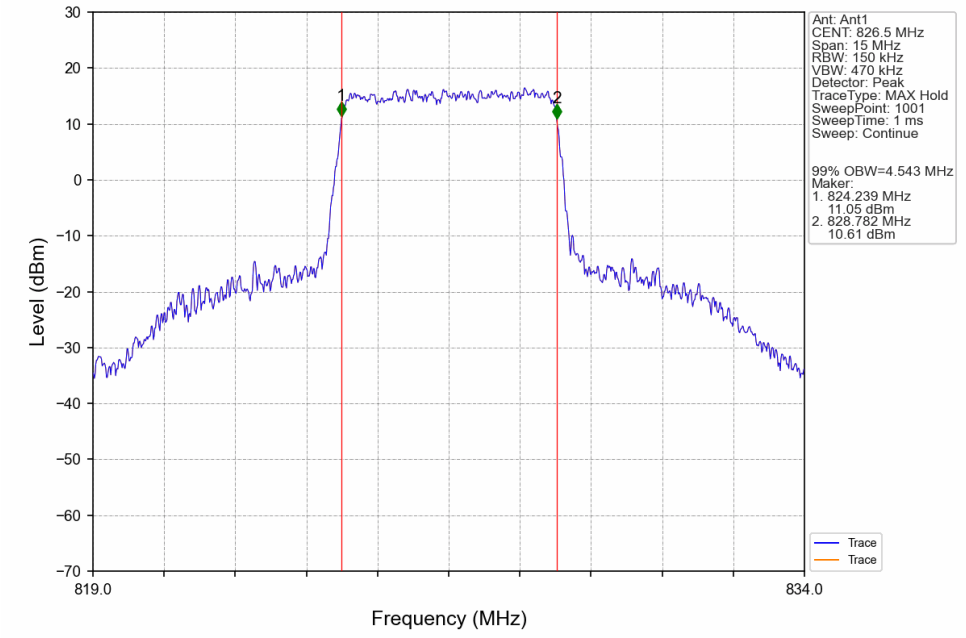
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



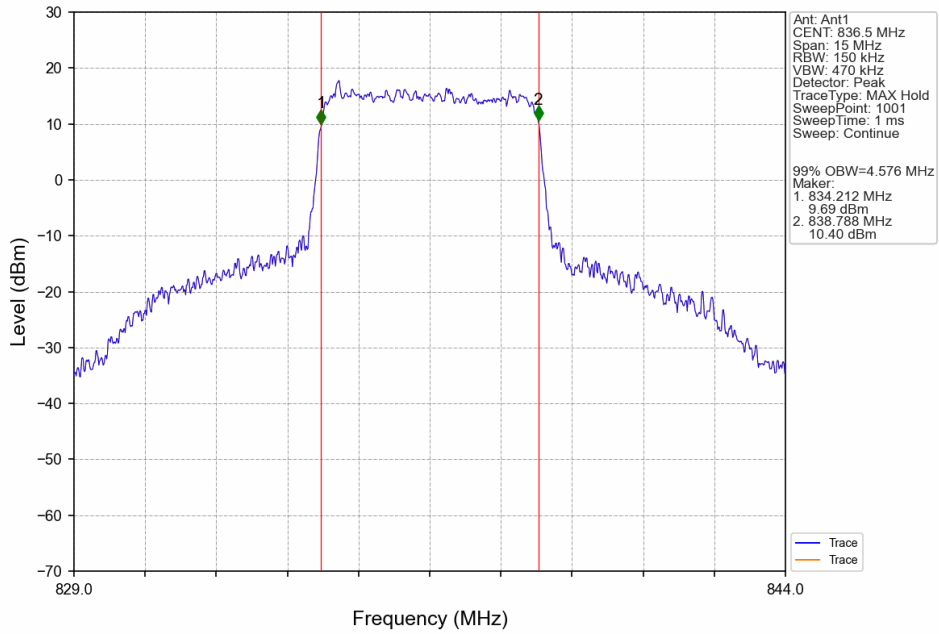
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



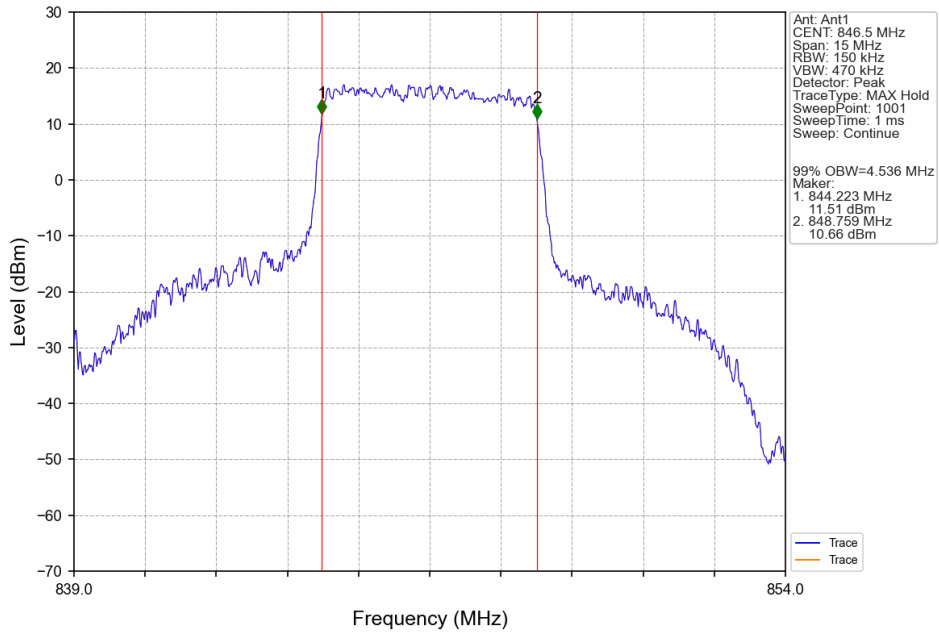
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



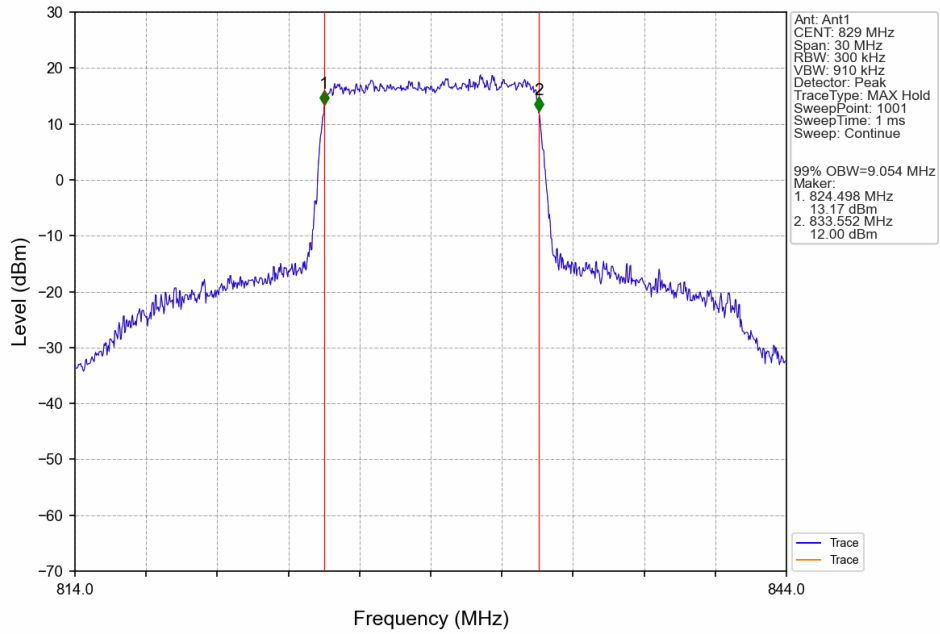
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



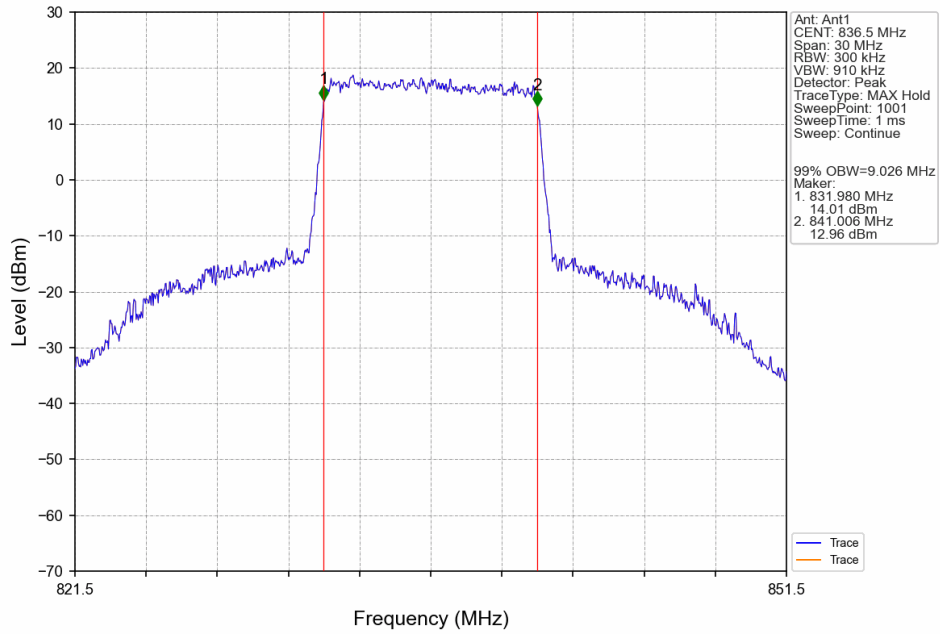
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



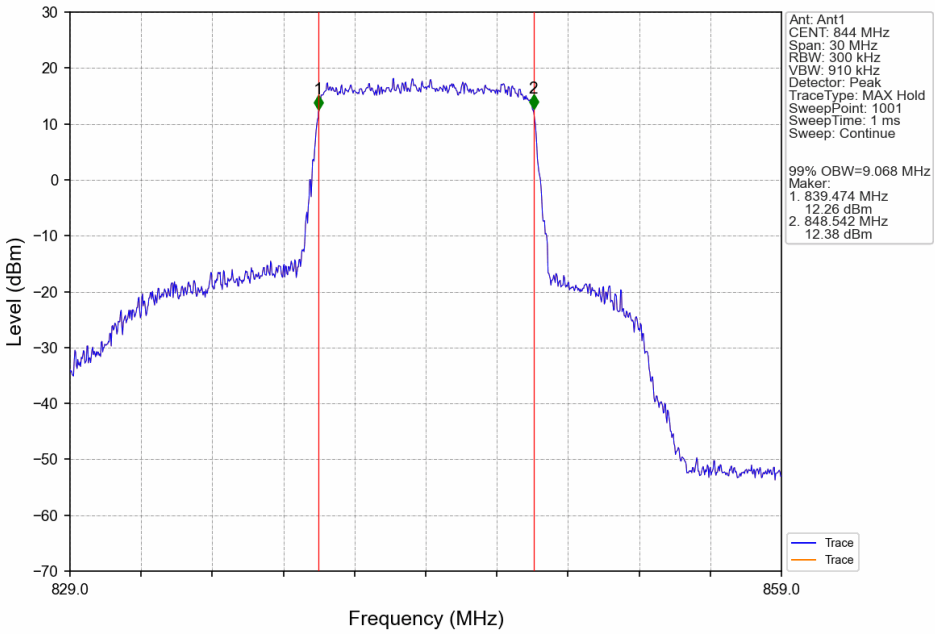
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



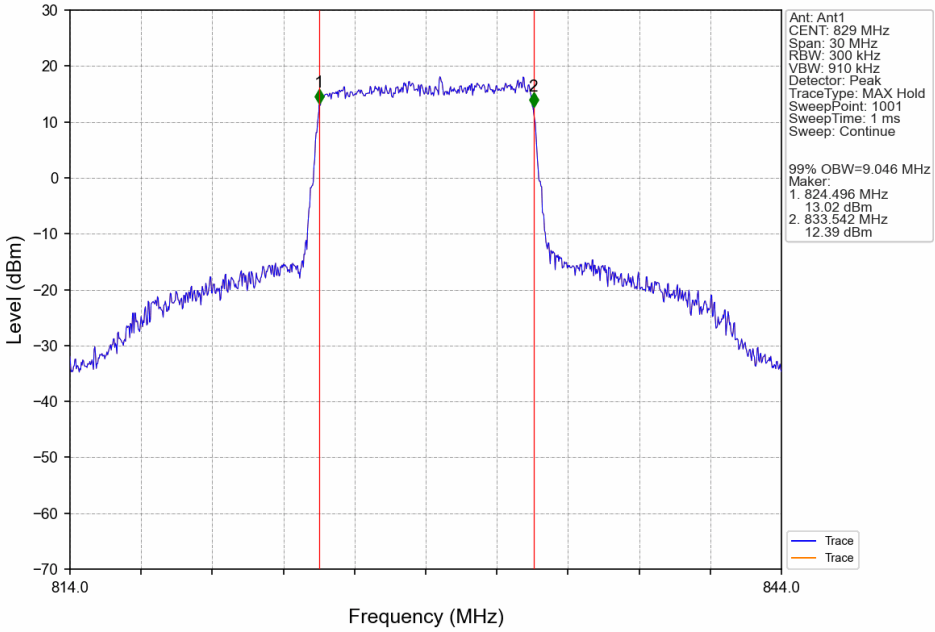
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



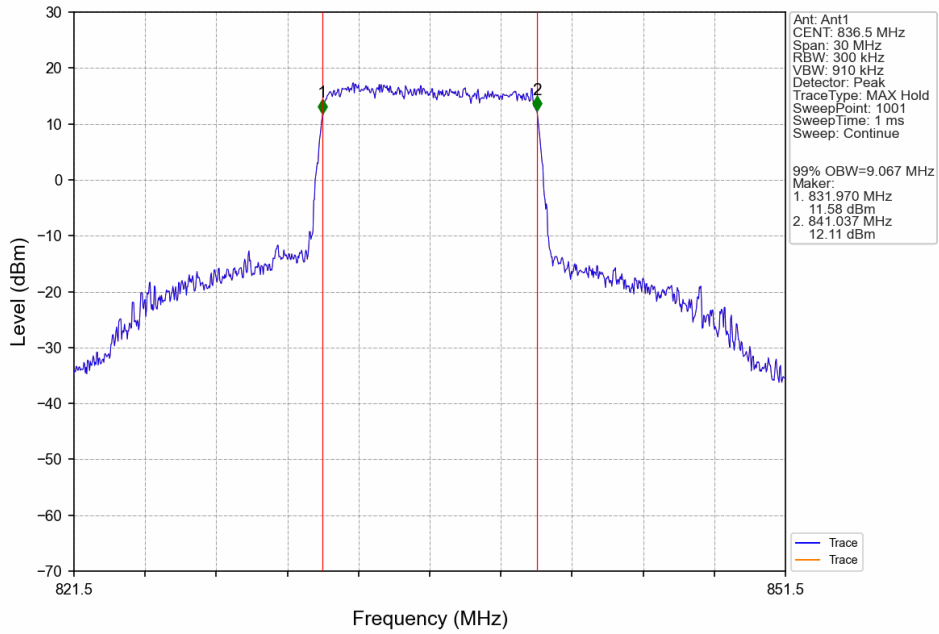
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



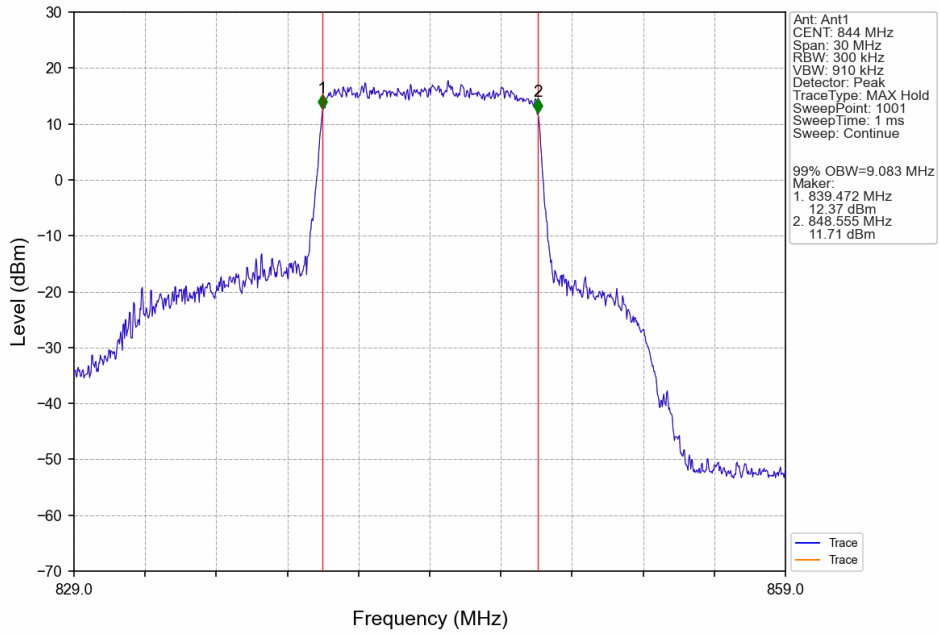
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

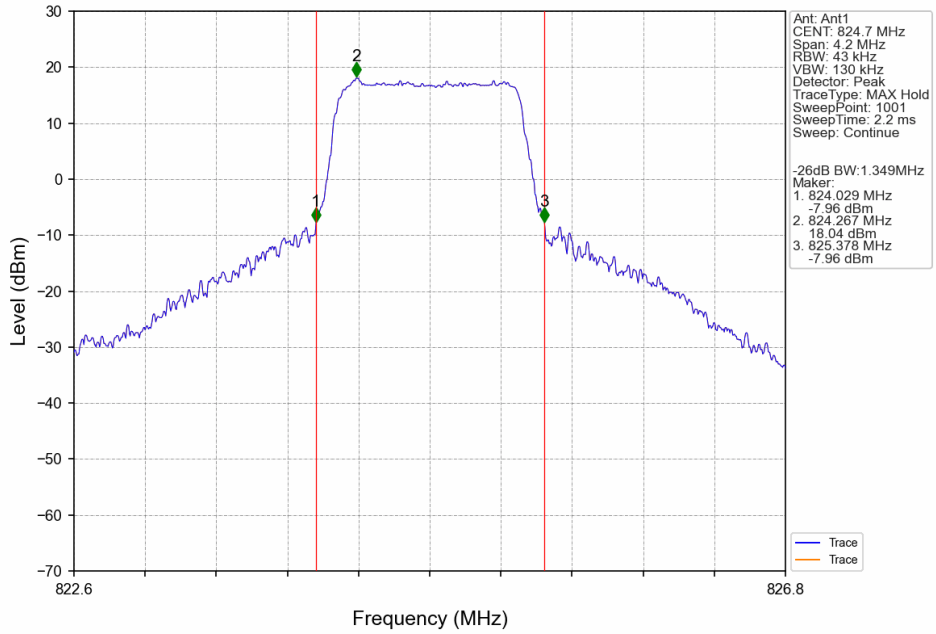


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

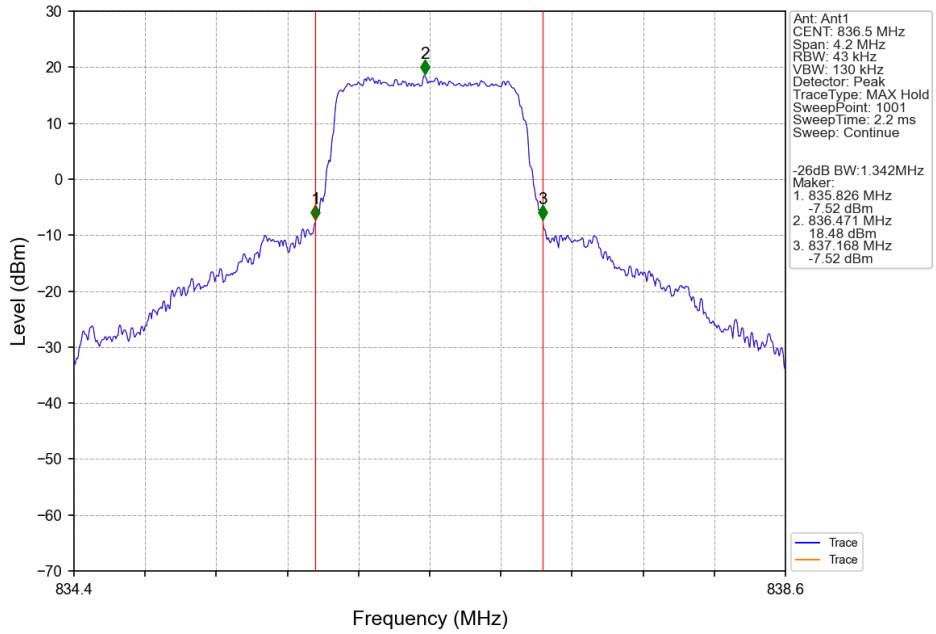


4.2.2 Band5_XDB

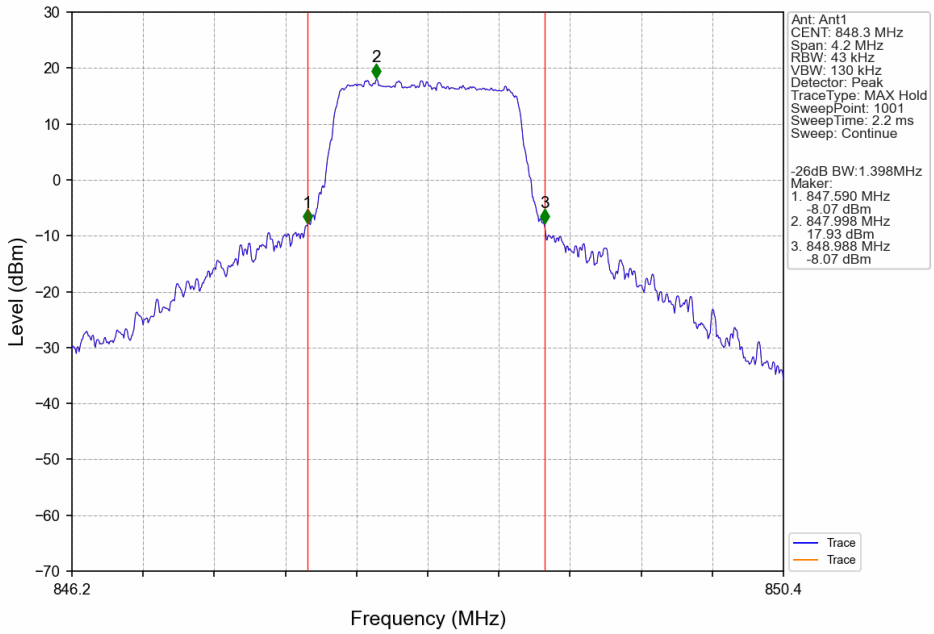
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



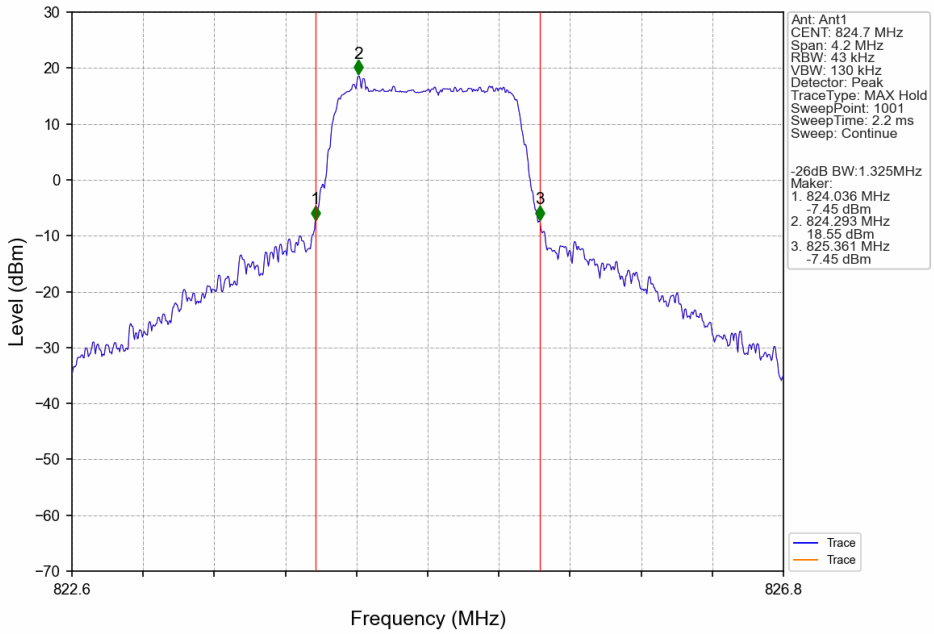
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



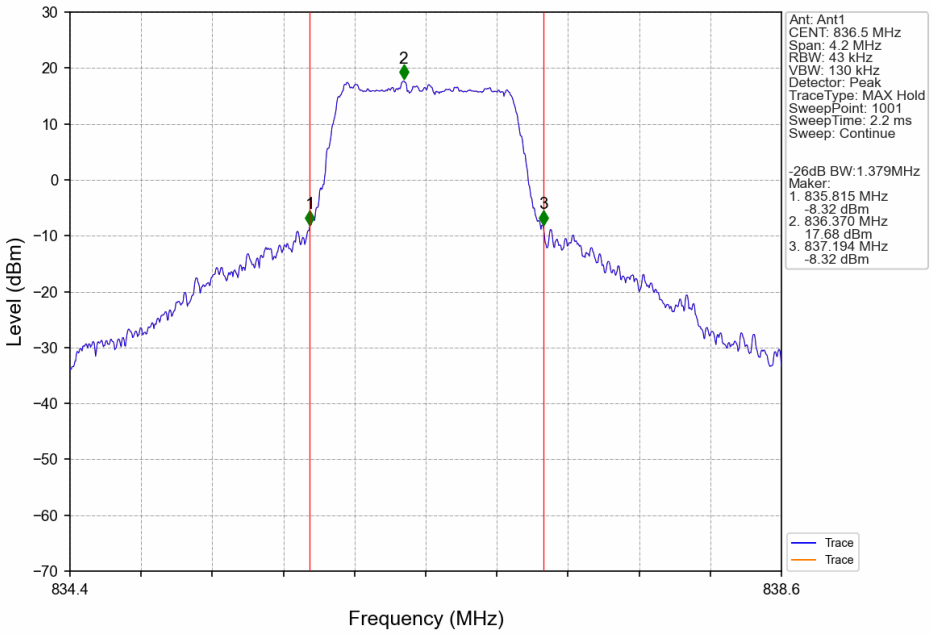
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



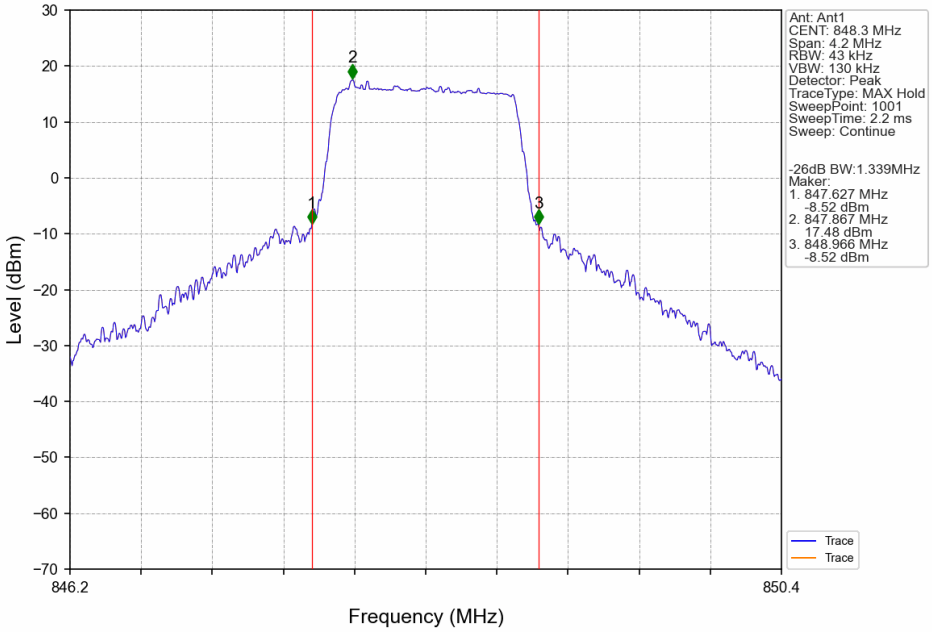
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



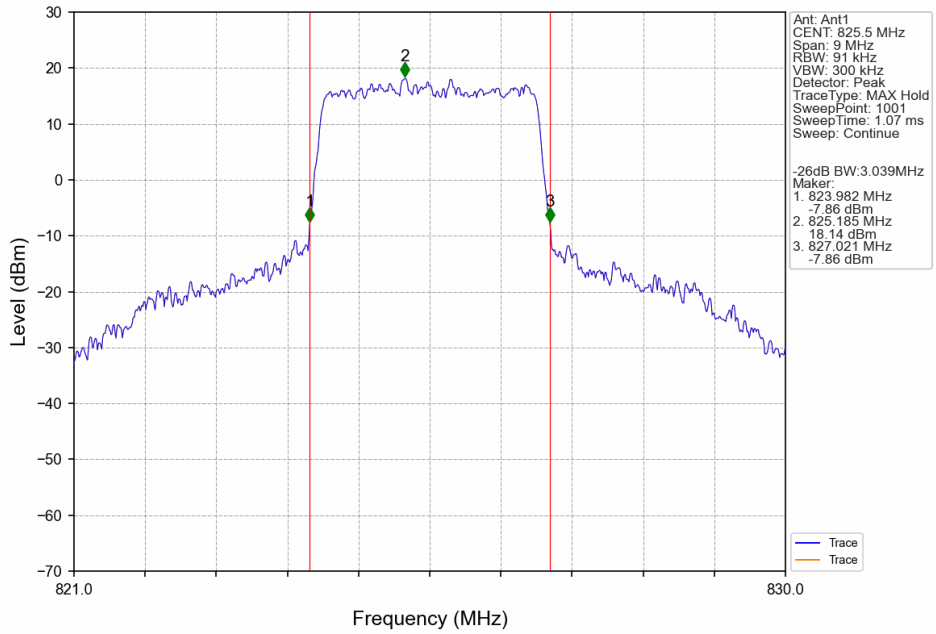
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



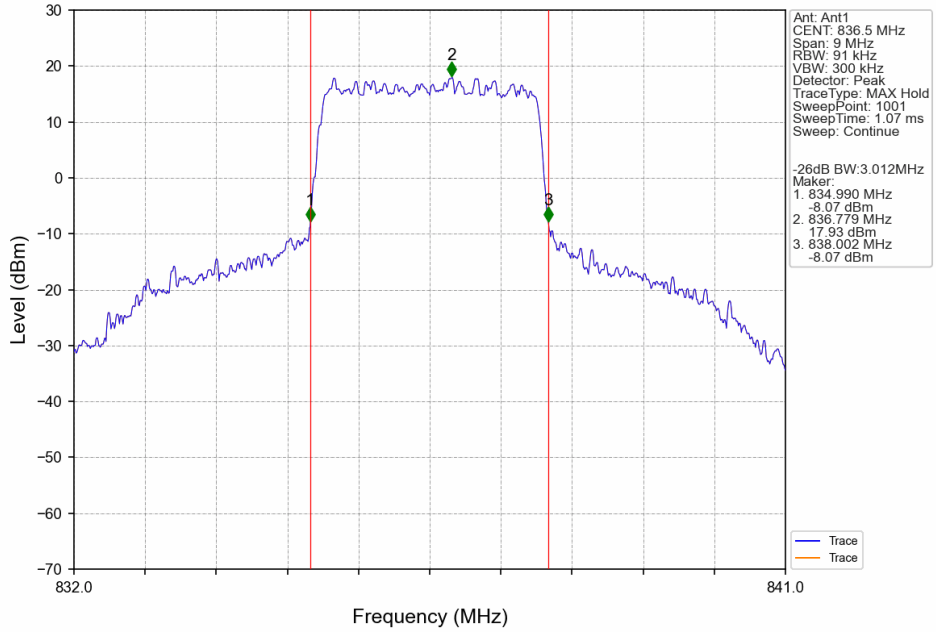
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



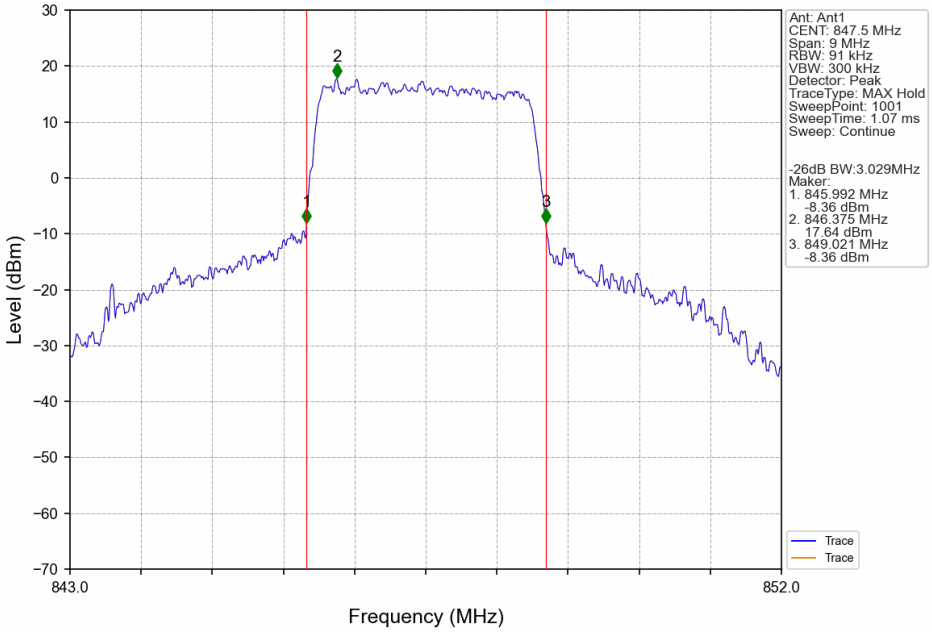
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



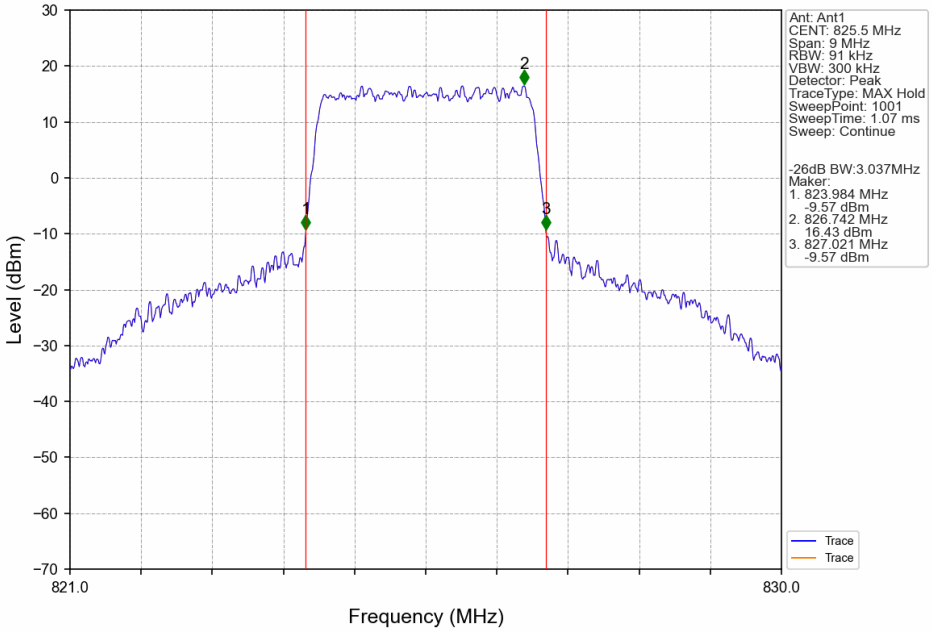
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



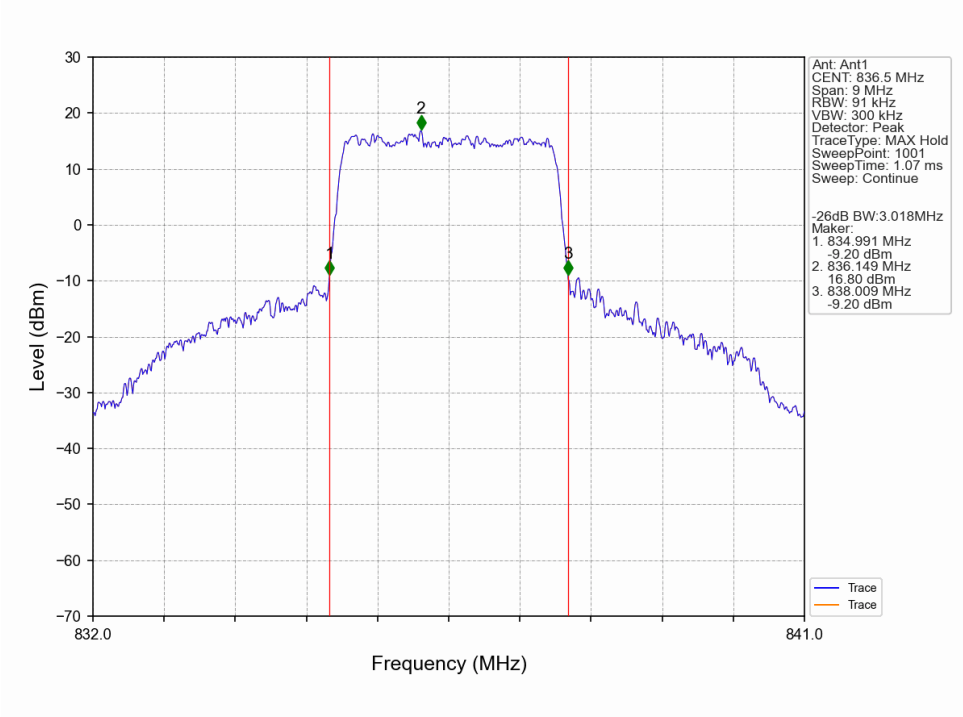
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



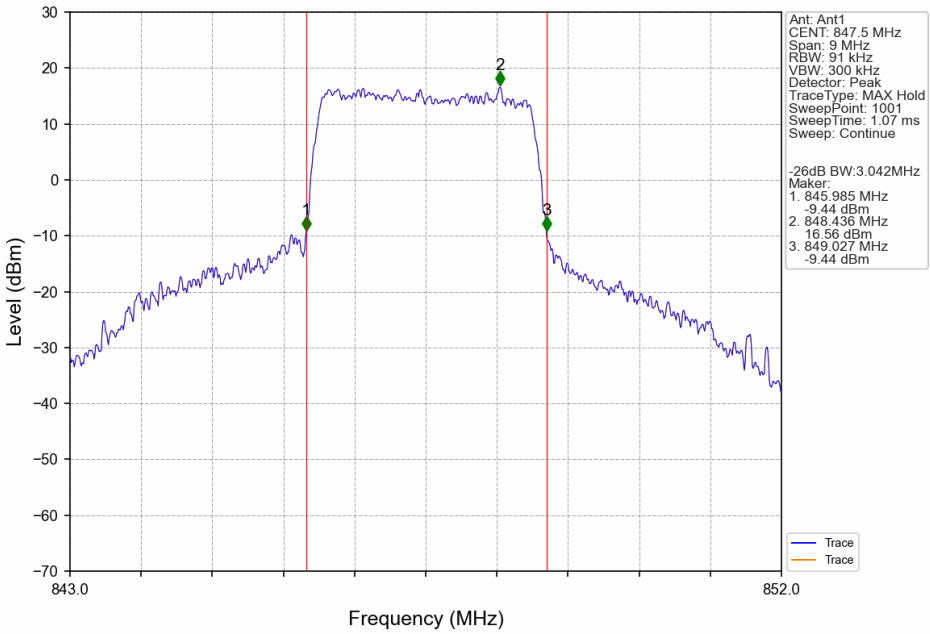
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



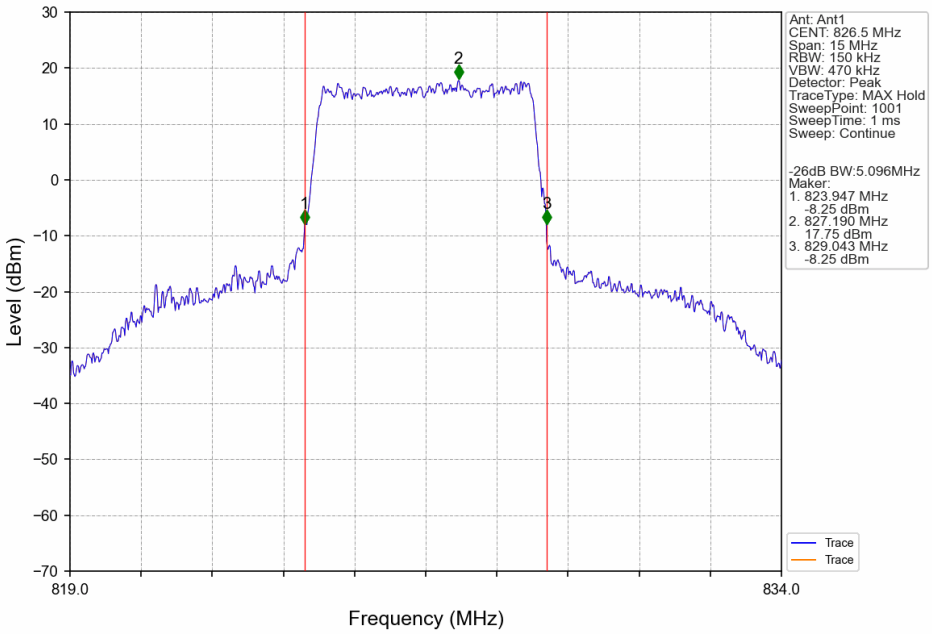
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



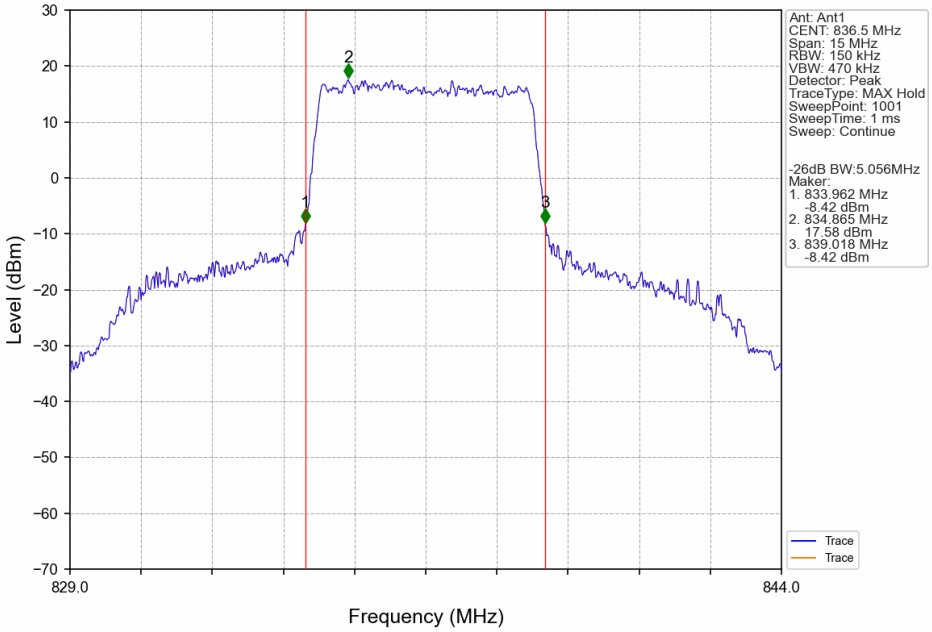
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



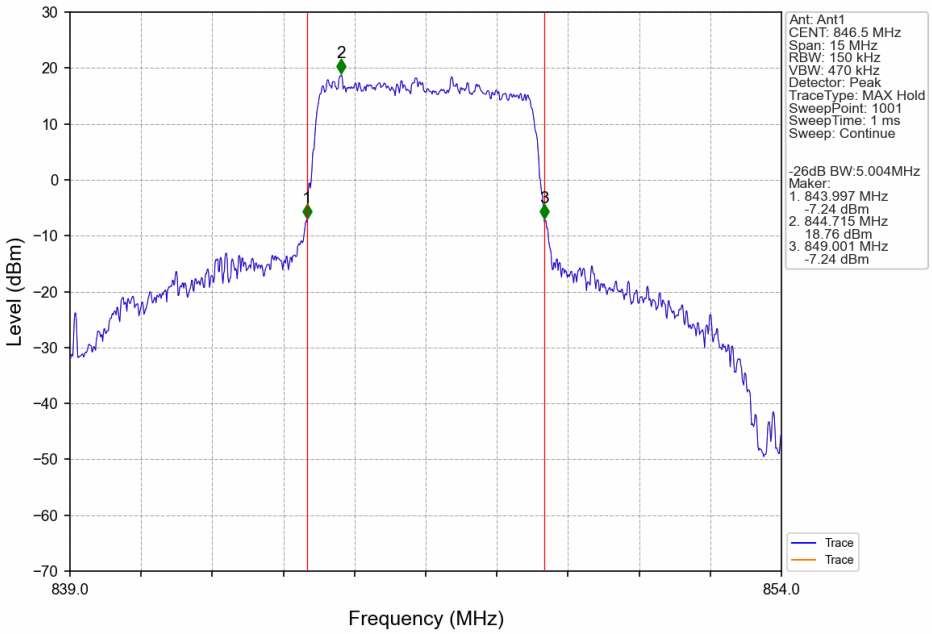
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



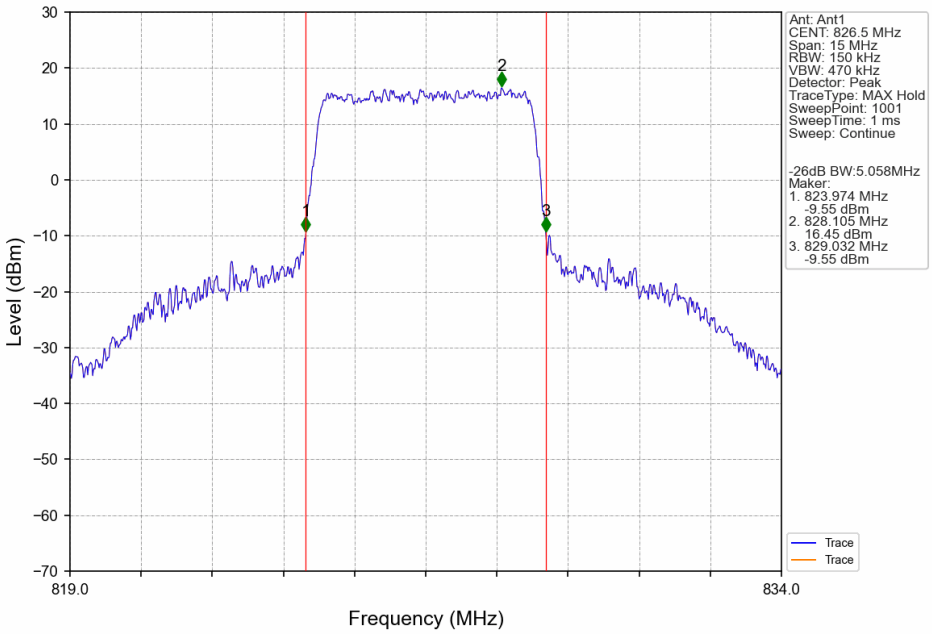
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



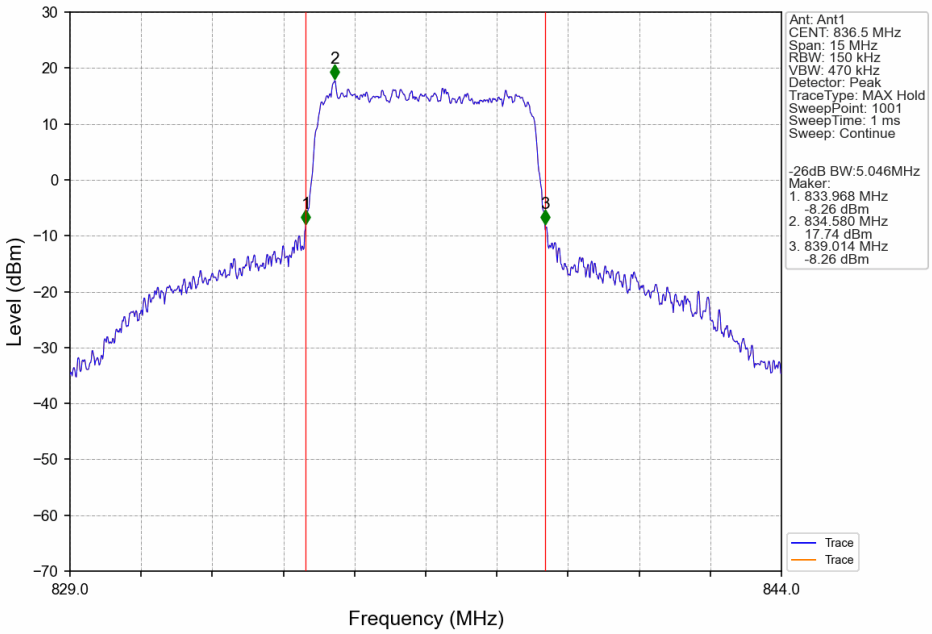
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



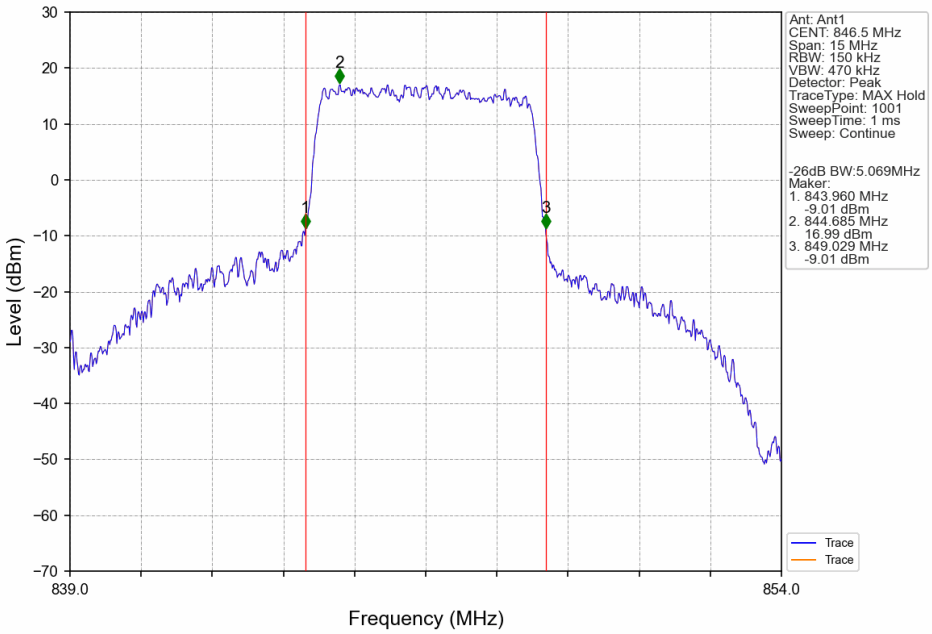
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



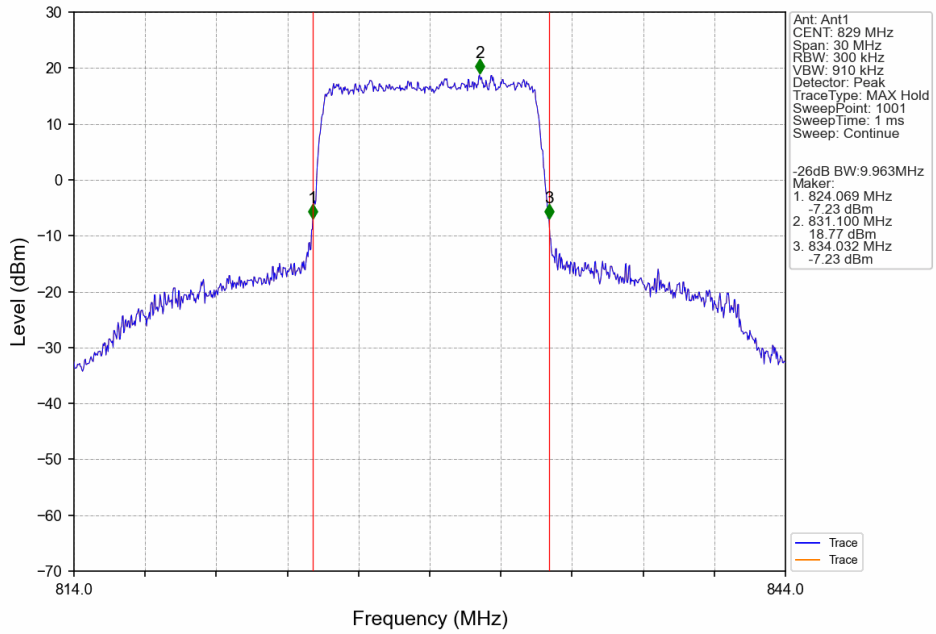
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



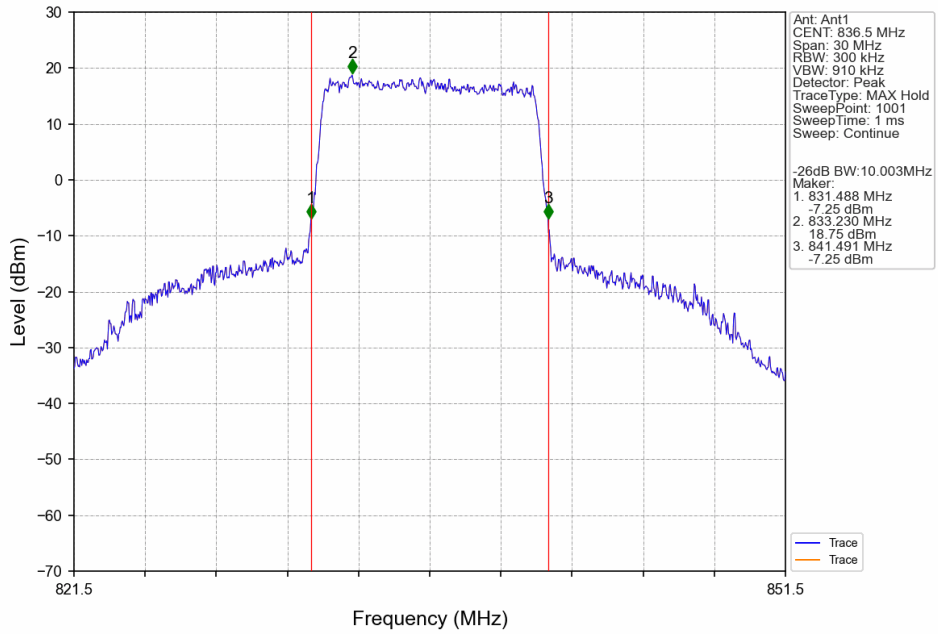
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



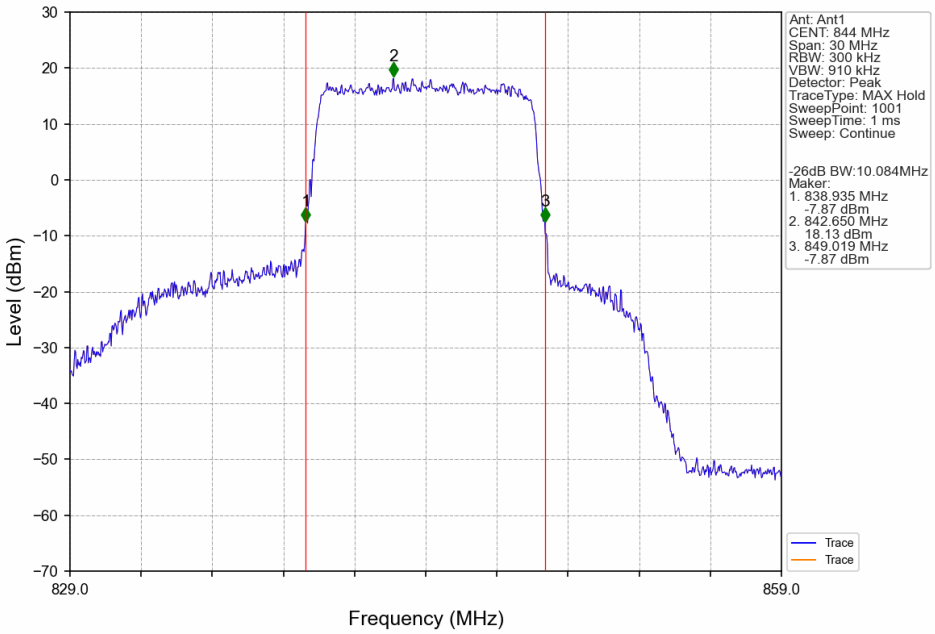
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



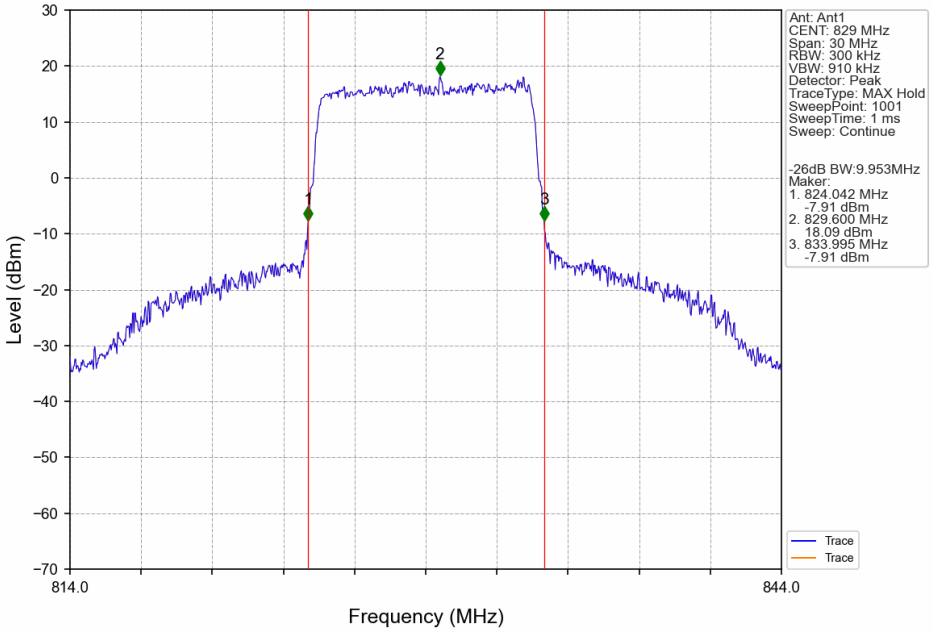
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



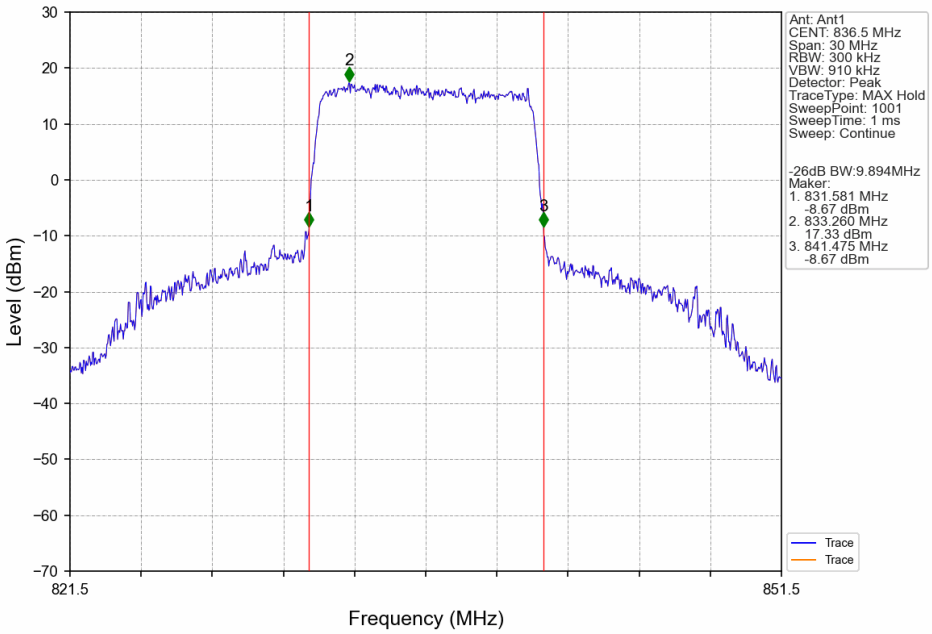
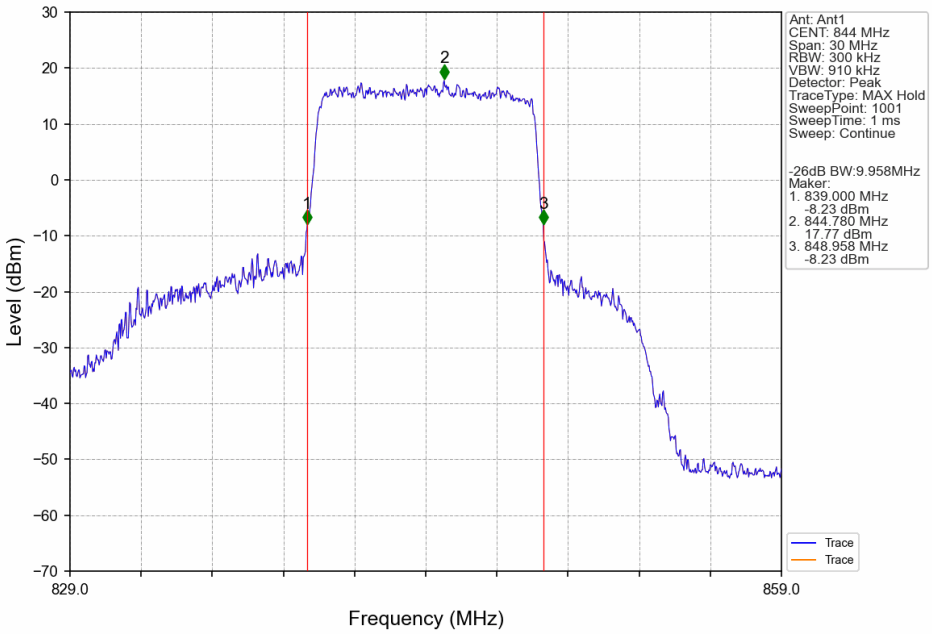
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



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