

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	22.77	-1.46	19.16	<=34.77	Pass
			2	22.87	-1.46	19.26	<=34.77	Pass
			5	22.77	-1.46	19.16	<=34.77	Pass
		3	0	22.83	-1.46	19.22	<=34.77	Pass
			2	22.85	-1.46	19.24	<=34.77	Pass
			3	22.83	-1.46	19.22	<=34.77	Pass
		6	0	21.86	-1.46	18.25	<=34.77	Pass
	836.5	1	0	22.67	-1.46	19.06	<=34.77	Pass
			2	22.76	-1.46	19.15	<=34.77	Pass
			5	22.62	-1.46	19.01	<=34.77	Pass
		3	0	22.64	-1.46	19.03	<=34.77	Pass
			2	22.69	-1.46	19.08	<=34.77	Pass
			3	22.65	-1.46	19.04	<=34.77	Pass
		6	0	21.60	-1.46	17.99	<=34.77	Pass
	848.3	1	0	22.34	-1.46	18.73	<=34.77	Pass
			2	22.39	-1.46	18.78	<=34.77	Pass
			5	22.28	-1.46	18.67	<=34.77	Pass
		3	0	22.38	-1.46	18.77	<=34.77	Pass
			2	22.31	-1.46	18.70	<=34.77	Pass
			3	22.31	-1.46	18.70	<=34.77	Pass
		6	0	21.63	-1.46	18.02	<=34.77	Pass
16QAM	824.7	1	0	21.81	-1.46	18.20	<=34.77	Pass
			2	21.91	-1.46	18.30	<=34.77	Pass
			5	21.87	-1.46	18.26	<=34.77	Pass
		3	0	21.94	-1.46	18.33	<=34.77	Pass
			2	21.94	-1.46	18.33	<=34.77	Pass
			3	21.92	-1.46	18.31	<=34.77	Pass
		6	0	20.70	-1.46	17.09	<=34.77	Pass
	836.5	1	0	21.72	-1.46	18.11	<=34.77	Pass
			2	21.85	-1.46	18.24	<=34.77	Pass
			5	21.42	-1.46	17.81	<=34.77	Pass
		3	0	21.56	-1.46	17.95	<=34.77	Pass
			2	21.61	-1.46	18.00	<=34.77	Pass
			3	21.67	-1.46	18.06	<=34.77	Pass
		6	0	20.63	-1.46	17.02	<=34.77	Pass
	848.3	1	0	21.20	-1.46	17.59	<=34.77	Pass
			2	21.30	-1.46	17.69	<=34.77	Pass
			5	21.16	-1.46	17.55	<=34.77	Pass
		3	0	21.47	-1.46	17.86	<=34.77	Pass
			2	21.62	-1.46	18.01	<=34.77	Pass
			3	21.41	-1.46	17.80	<=34.77	Pass
		6	0	20.65	-1.46	17.04	<=34.77	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	22.86	-1.46	19.25	<=34.77	Pass
			7	23.04	-1.46	19.43	<=34.77	Pass
			14	22.80	-1.46	19.19	<=34.77	Pass
		8	0	21.91	-1.46	18.30	<=34.77	Pass
			4	21.99	-1.46	18.38	<=34.77	Pass
			7	21.96	-1.46	18.35	<=34.77	Pass
		15	0	21.84	-1.46	18.23	<=34.77	Pass
	836.5	1	0	22.64	-1.46	19.03	<=34.77	Pass
			7	22.73	-1.46	19.12	<=34.77	Pass
			14	22.37	-1.46	18.76	<=34.77	Pass
		8	0	21.71	-1.46	18.10	<=34.77	Pass
			4	21.67	-1.46	18.06	<=34.77	Pass
			7	21.45	-1.46	17.84	<=34.77	Pass
		15	0	21.49	-1.46	17.88	<=34.77	Pass
	847.5	1	0	22.29	-1.46	18.68	<=34.77	Pass
			7	22.40	-1.46	18.79	<=34.77	Pass
			14	22.22	-1.46	18.61	<=34.77	Pass
		8	0	21.42	-1.46	17.81	<=34.77	Pass
			4	21.56	-1.46	17.95	<=34.77	Pass
			7	21.58	-1.46	17.97	<=34.77	Pass
		15	0	21.35	-1.46	17.74	<=34.77	Pass
16QAM	825.5	1	0	22.33	-1.46	18.72	<=34.77	Pass
			7	22.54	-1.46	18.93	<=34.77	Pass
			14	22.08	-1.46	18.47	<=34.77	Pass
		8	0	20.84	-1.46	17.23	<=34.77	Pass
			4	21.01	-1.46	17.40	<=34.77	Pass
			7	20.98	-1.46	17.37	<=34.77	Pass
		15	0	20.88	-1.46	17.27	<=34.77	Pass
	836.5	1	0	21.46	-1.46	17.85	<=34.77	Pass
			7	21.57	-1.46	17.96	<=34.77	Pass
			14	21.40	-1.46	17.79	<=34.77	Pass
		8	0	20.65	-1.46	17.04	<=34.77	Pass
			4	20.62	-1.46	17.01	<=34.77	Pass
			7	20.52	-1.46	16.91	<=34.77	Pass
		15	0	20.61	-1.46	17.00	<=34.77	Pass
	847.5	1	0	21.42	-1.46	17.81	<=34.77	Pass
			7	21.56	-1.46	17.95	<=34.77	Pass
			14	21.35	-1.46	17.74	<=34.77	Pass
		8	0	20.39	-1.46	16.78	<=34.77	Pass
			4	20.37	-1.46	16.76	<=34.77	Pass
			7	20.47	-1.46	16.86	<=34.77	Pass
		15	0	20.47	-1.46	16.86	<=34.77	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	22.55	-1.46	18.94	<=34.77	Pass
			13	22.70	-1.46	19.09	<=34.77	Pass
			24	22.45	-1.46	18.84	<=34.77	Pass
		12	0	21.39	-1.46	17.78	<=34.77	Pass
			6	21.62	-1.46	18.01	<=34.77	Pass
			13	21.60	-1.46	17.99	<=34.77	Pass
		25	0	21.42	-1.46	17.81	<=34.77	Pass
	836.5	1	0	22.23	-1.46	18.62	<=34.77	Pass
			13	22.30	-1.46	18.69	<=34.77	Pass
			24	22.21	-1.46	18.60	<=34.77	Pass
		12	0	21.27	-1.46	17.66	<=34.77	Pass
			6	21.32	-1.46	17.71	<=34.77	Pass
			13	21.21	-1.46	17.60	<=34.77	Pass
		25	0	21.26	-1.46	17.65	<=34.77	Pass
	846.5	1	0	22.09	-1.46	18.48	<=34.77	Pass
			13	22.23	-1.46	18.62	<=34.77	Pass
			24	22.04	-1.46	18.43	<=34.77	Pass
		12	0	21.13	-1.46	17.52	<=34.77	Pass
			6	21.21	-1.46	17.60	<=34.77	Pass
			13	21.13	-1.46	17.52	<=34.77	Pass
		25	0	21.16	-1.46	17.55	<=34.77	Pass
16QAM	826.5	1	0	21.51	-1.46	17.90	<=34.77	Pass
			13	21.60	-1.46	17.99	<=34.77	Pass
			24	21.41	-1.46	17.80	<=34.77	Pass
		12	0	20.34	-1.46	16.73	<=34.77	Pass
			6	20.59	-1.46	16.98	<=34.77	Pass
			13	20.57	-1.46	16.96	<=34.77	Pass
		25	0	20.42	-1.46	16.81	<=34.77	Pass
	836.5	1	0	21.09	-1.46	17.48	<=34.77	Pass
			13	21.15	-1.46	17.54	<=34.77	Pass
			24	21.08	-1.46	17.47	<=34.77	Pass
		12	0	20.27	-1.46	16.66	<=34.77	Pass
			6	20.30	-1.46	16.69	<=34.77	Pass
			13	20.20	-1.46	16.59	<=34.77	Pass
		25	0	20.30	-1.46	16.69	<=34.77	Pass
	846.5	1	0	21.23	-1.46	17.62	<=34.77	Pass
			13	21.31	-1.46	17.70	<=34.77	Pass
			24	21.16	-1.46	17.55	<=34.77	Pass
		12	0	20.11	-1.46	16.50	<=34.77	Pass
			6	20.15	-1.46	16.54	<=34.77	Pass
			13	20.08	-1.46	16.47	<=34.77	Pass
		25	0	20.11	-1.46	16.50	<=34.77	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	22.41	-1.46	18.80	<=34.77	Pass
			25	22.51	-1.46	18.90	<=34.77	Pass
			49	22.24	-1.46	18.63	<=34.77	Pass
		25	0	21.39	-1.46	17.78	<=34.77	Pass
			13	21.55	-1.46	17.94	<=34.77	Pass
			25	21.46	-1.46	17.85	<=34.77	Pass
		50	0	21.41	-1.46	17.80	<=34.77	Pass
	836.5	1	0	22.23	-1.46	18.62	<=34.77	Pass
			25	22.42	-1.46	18.81	<=34.77	Pass
			49	22.17	-1.46	18.56	<=34.77	Pass
		25	0	21.44	-1.46	17.83	<=34.77	Pass
			13	21.36	-1.46	17.75	<=34.77	Pass
			25	21.27	-1.46	17.66	<=34.77	Pass
		50	0	21.37	-1.46	17.76	<=34.77	Pass
	844	1	0	22.21	-1.46	18.60	<=34.77	Pass
			25	22.41	-1.46	18.80	<=34.77	Pass
			49	22.11	-1.46	18.50	<=34.77	Pass
		25	0	21.27	-1.46	17.66	<=34.77	Pass
			13	21.27	-1.46	17.66	<=34.77	Pass
			25	21.28	-1.46	17.67	<=34.77	Pass
		50	0	21.29	-1.46	17.68	<=34.77	Pass
16QAM	829	1	0	21.41	-1.46	17.80	<=34.77	Pass
			25	21.61	-1.46	18.00	<=34.77	Pass
			49	21.40	-1.46	17.79	<=34.77	Pass
		25	0	20.29	-1.46	16.68	<=34.77	Pass
			13	20.41	-1.46	16.80	<=34.77	Pass
			25	20.46	-1.46	16.85	<=34.77	Pass
		50	0	20.39	-1.46	16.78	<=34.77	Pass
	836.5	1	0	21.79	-1.46	18.18	<=34.77	Pass
			25	22.02	-1.46	18.41	<=34.77	Pass
			49	21.78	-1.46	18.17	<=34.77	Pass
		25	0	20.51	-1.46	16.90	<=34.77	Pass
			13	20.38	-1.46	16.77	<=34.77	Pass
			25	20.32	-1.46	16.71	<=34.77	Pass
		50	0	20.41	-1.46	16.80	<=34.77	Pass
	844	1	0	21.25	-1.46	17.64	<=34.77	Pass
			25	21.40	-1.46	17.79	<=34.77	Pass
			49	21.05	-1.46	17.44	<=34.77	Pass
		25	0	20.35	-1.46	16.74	<=34.77	Pass
			13	20.34	-1.46	16.73	<=34.77	Pass
			25	20.35	-1.46	16.74	<=34.77	Pass
		50	0	20.31	-1.46	16.70	<=34.77	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	-0.787	-0.0010	-2.5 to 2.5	Pass
					3.85	-7.567	-0.0092	-2.5 to 2.5	Pass
					4.43	-3.719	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.292	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-8.054	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0040	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-5.121	-0.0061	-2.5 to 2.5	Pass
					3.85	-8.411	-0.0101	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-12.760	-0.0153	-2.5 to 2.5	Pass
				-20	3.85	-10.943	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-12.875	-0.0154	-2.5 to 2.5	Pass
				30	3.85	-6.351	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-10.629	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0084	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	3.247	0.0038	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0049	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0033	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-6.495	-0.0079	-2.5 to 2.5	Pass
					3.85	-6.766	-0.0082	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0096	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-10.557	-0.0126	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0099	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-9.956	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0126	-2.5 to 2.5	Pass

				0	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-11.802	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-11.115	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-8.683	-0.0104	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-8.426	-0.0099	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0075	-2.5 to 2.5	Pass
					4.43	2.503	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-1.817	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-9.198	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-8.039	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0083	-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	-12.488	-0.0151	-2.5 to 2.5	Pass
					3.85	-14.133	-0.0171	-2.5 to 2.5	Pass
					4.43	-10.400	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-3.905	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-2.103	-0.0025	-2.5 to 2.5	Pass
					3.85	-8.039	-0.0096	-2.5 to 2.5	Pass
					4.43	-9.427	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-12.689	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-8.655	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-7.882	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-8.583	-0.0103	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.186	0.0002	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0066	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-7.668	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-10.543	-0.0124	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-7.081	-0.0086	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0094	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0112	-2.5 to 2.5	Pass

				-30	3.85	-7.095	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-9.770	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-12.488	-0.0151	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-10.257	-0.0124	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-6.323	-0.0076	-2.5 to 2.5	Pass
					3.85	-11.773	-0.0141	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-9.384	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-12.503	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-11.072	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-11.745	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0086	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-8.769	-0.0103	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0040	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.865	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.849	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-12.288	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0117	-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	-8.225	-0.0100	-2.5 to 2.5	Pass
					3.85	-10.643	-0.0129	-2.5 to 2.5	Pass
					4.43	-8.354	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-2.990	-0.0036	-2.5 to 2.5	Pass
					3.85	-10.643	-0.0127	-2.5 to 2.5	Pass
					4.43	-5.279	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-6.537	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-4.377	-0.0052	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-6.437	-0.0076	-2.5 to 2.5	Pass
					3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-11.401	-0.0135	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0040	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-1.988	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0072	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-5.336	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-9.842	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-8.898	-0.0108	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.792	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0056	-2.5 to 2.5	Pass
					4.43	-3.762	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-10.529	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-5.450	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-6.108	-0.0072	-2.5 to 2.5	Pass
					3.85	-9.170	-0.0108	-2.5 to 2.5	Pass
					4.43	-9.985	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-6.895	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-9.184	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-6.552	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-3.533	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-9.327	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0079	-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	-8.626	-0.0104	-2.5 to 2.5	Pass
					3.85	-6.595	-0.0080	-2.5 to 2.5	Pass
					4.43	-7.038	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0063	-2.5 to 2.5	Pass

				30	3.85	-7.110	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-7.167	-0.0086	-2.5 to 2.5	Pass
					3.85	-9.284	-0.0111	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.363	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.324	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0068	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-10.085	-0.0119	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0092	-2.5 to 2.5	Pass
					4.43	-8.111	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-9.313	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-8.340	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-4.334	-0.0051	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-6.523	-0.0079	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0078	-2.5 to 2.5	Pass
					4.43	-4.063	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-4.907	-0.0059	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-9.341	-0.0112	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0102	-2.5 to 2.5	Pass
					4.43	-8.039	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-9.713	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-6.437	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-8.540	-0.0102	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-8.368	-0.0099	-2.5 to 2.5	Pass
					3.85	-10.915	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.753	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-8.297	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-8.197	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-7.639	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-8.454	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0043	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 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

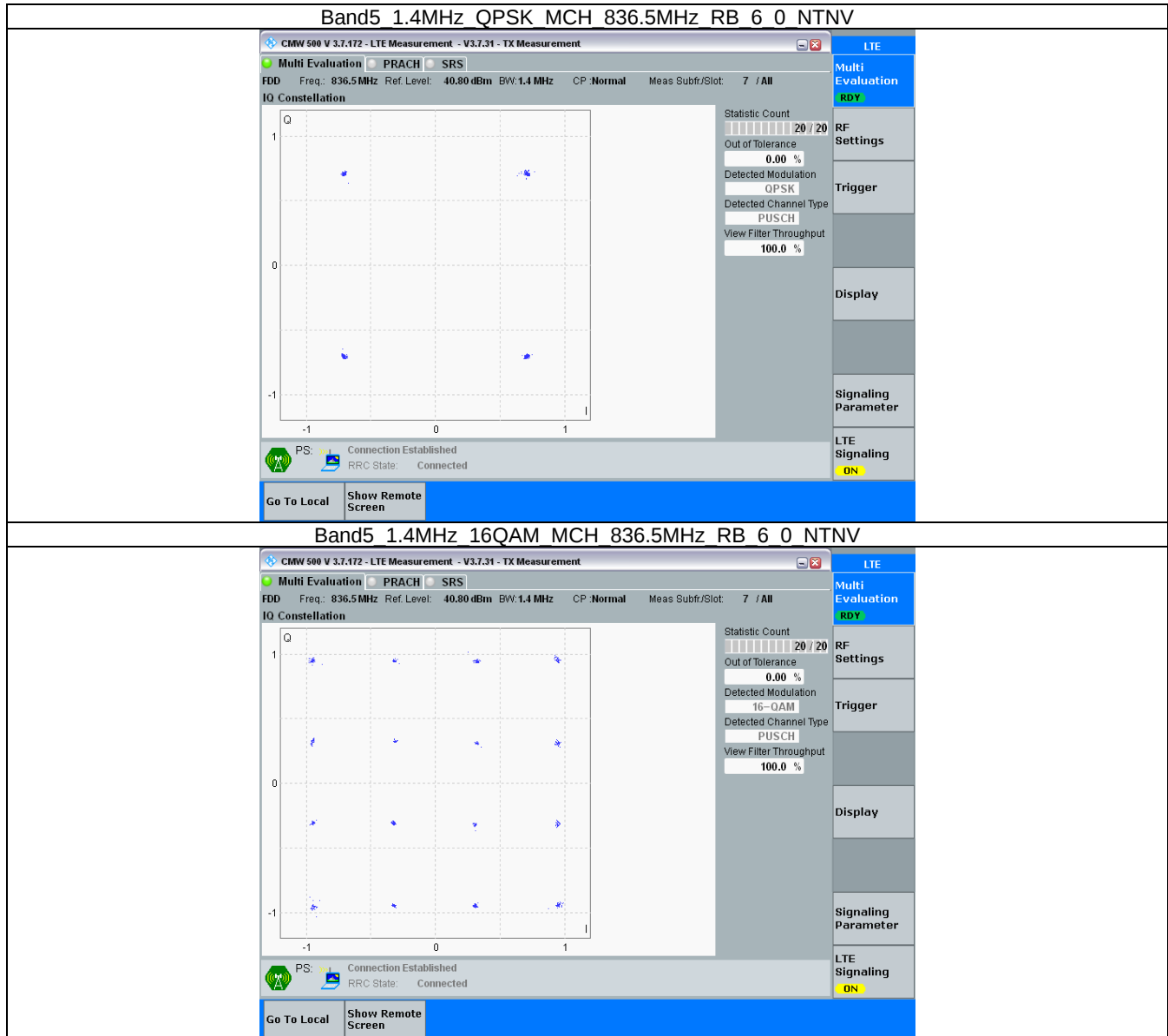
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

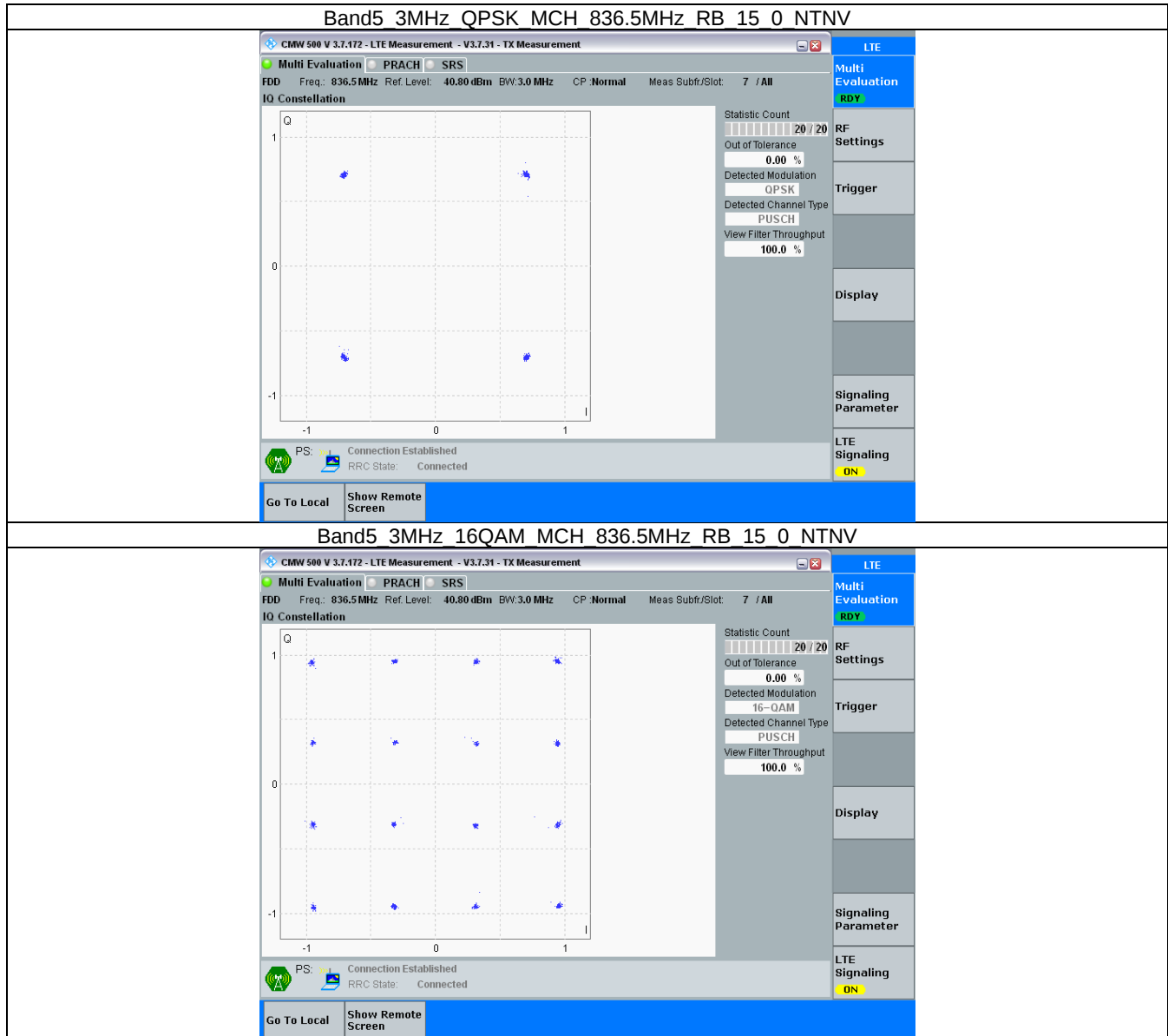
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

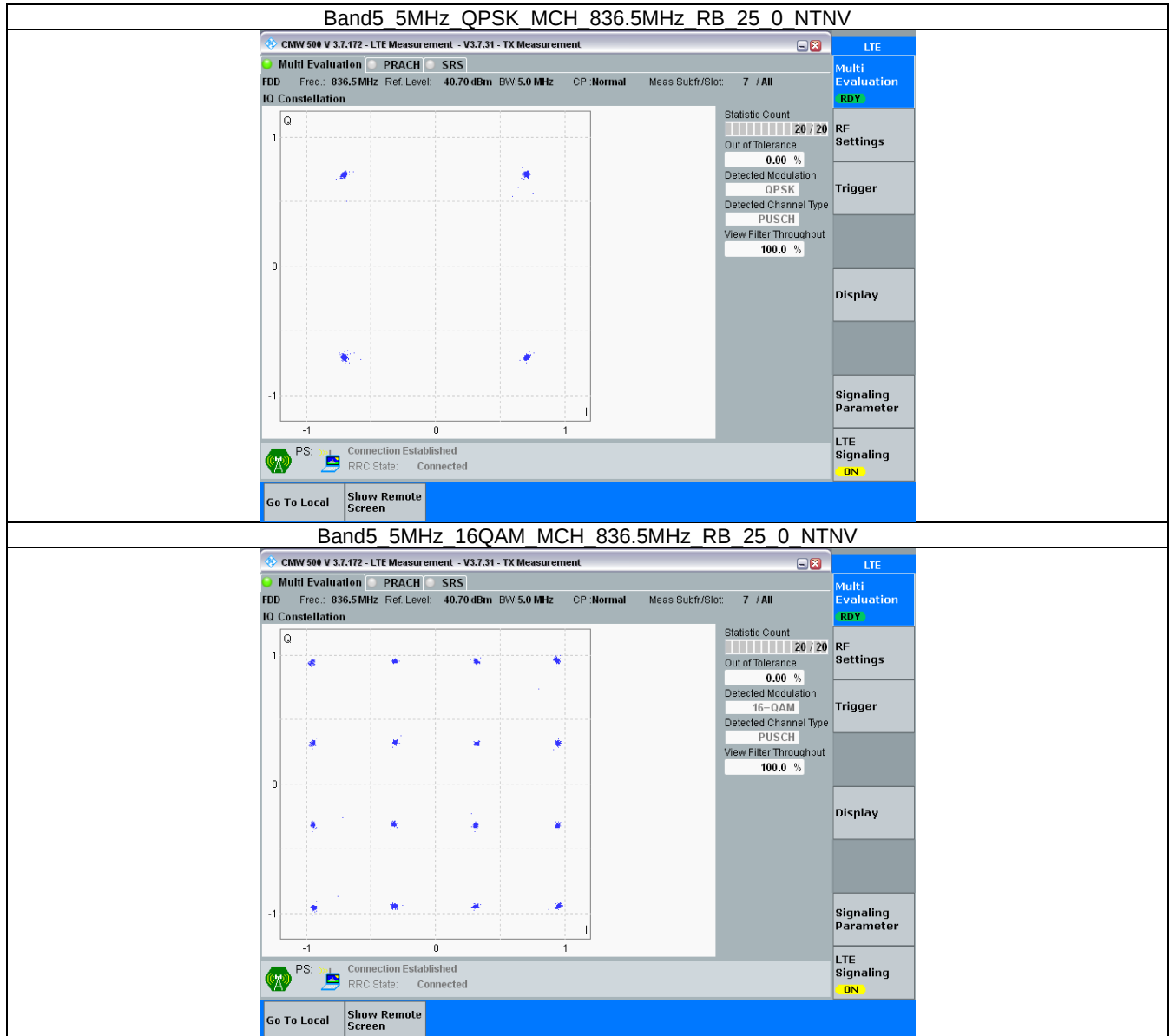
3.2.1 B5_1.4MHz



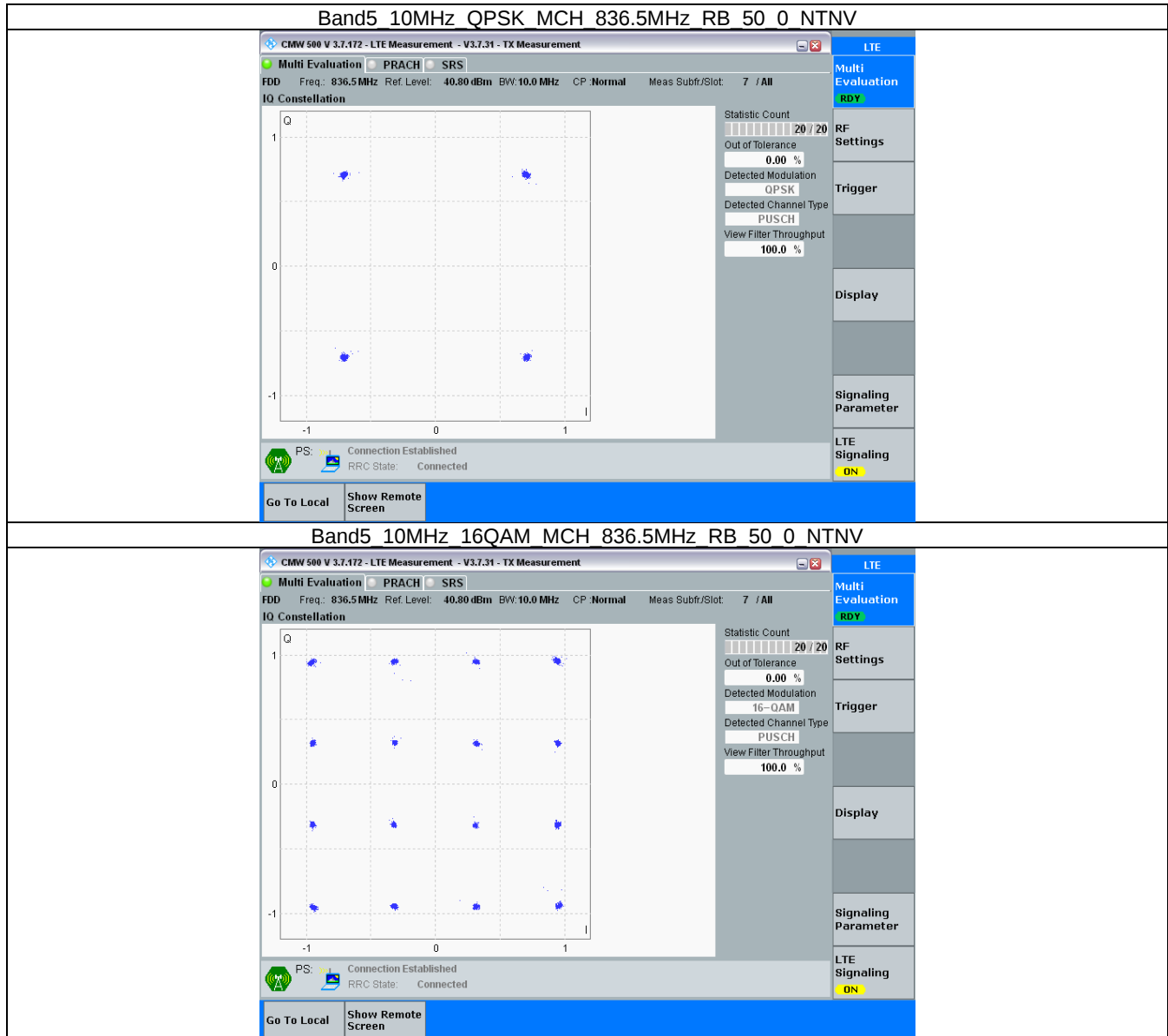
3.2.2 B5_3MHz



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 / 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	1.108	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.111	/	Pass
3	QPSK	825.5	15	0	2.729	/	Pass
		836.5	15	0	2.730	/	Pass
		847.5	15	0	2.721	/	Pass
	16QAM	825.5	15	0	2.732	/	Pass
		836.5	15	0	2.719	/	Pass
		847.5	15	0	2.722	/	Pass
5	QPSK	826.5	25	0	4.548	/	Pass
		836.5	25	0	4.539	/	Pass
		846.5	25	0	4.552	/	Pass
	16QAM	826.5	25	0	4.536	/	Pass
		836.5	25	0	4.559	/	Pass
		846.5	25	0	4.525	/	Pass
10	QPSK	829	50	0	9.047	/	Pass
		836.5	50	0	9.065	/	Pass
		844	50	0	9.045	/	Pass
	16QAM	829	50	0	9.034	/	Pass
		836.5	50	0	9.041	/	Pass
		844	50	0	9.044	/	Pass

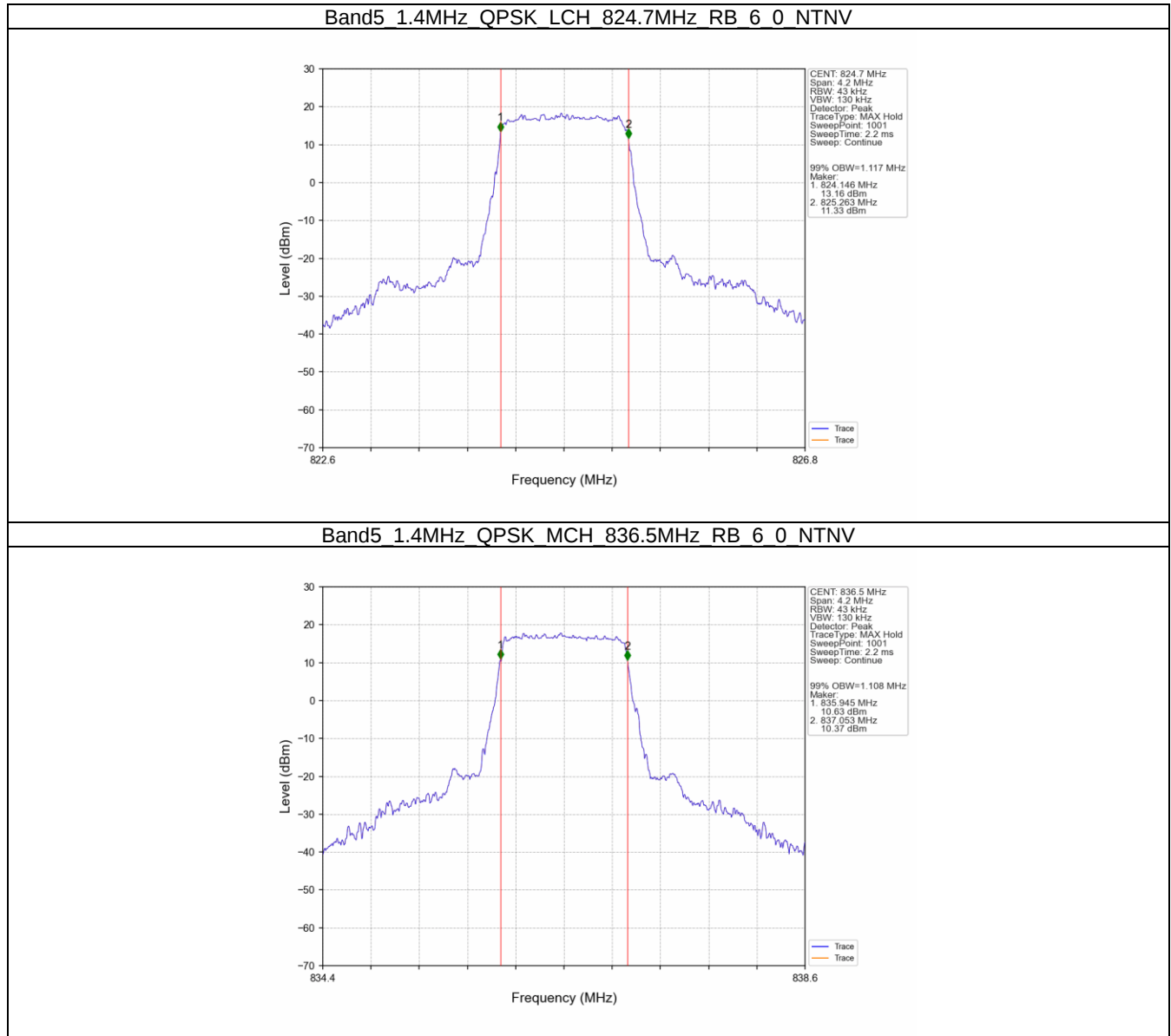
4.1.2 Band5_XDB

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	1.304	/	Pass
		836.5	6	0	1.322	/	Pass
		848.3	6	0	1.314	/	Pass
	16QAM	824.7	6	0	1.329	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.328	/	Pass
3	QPSK	825.5	15	0	3.005	/	Pass
		836.5	15	0	2.989	/	Pass
		847.5	15	0	2.990	/	Pass
	16QAM	825.5	15	0	3.529	/	Pass
		836.5	15	0	2.976	/	Pass
		847.5	15	0	3.011	/	Pass
5	QPSK	826.5	25	0	5.013	/	Pass
		836.5	25	0	5.030	/	Pass
		846.5	25	0	5.069	/	Pass

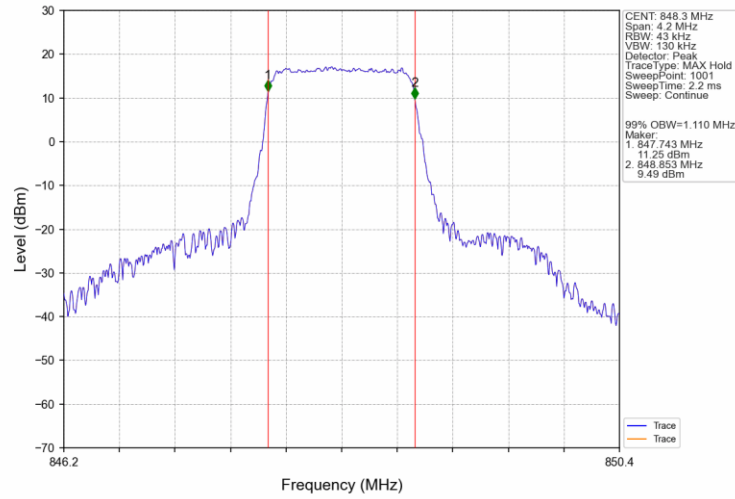
10	16QAM	826.5	25	0	5.026	/	Pass
		836.5	25	0	4.994	/	Pass
		846.5	25	0	5.004	/	Pass
	QPSK	829	50	0	9.886	/	Pass
		836.5	50	0	9.911	/	Pass
		844	50	0	9.936	/	Pass
	16QAM	829	50	0	9.894	/	Pass
		836.5	50	0	9.976	/	Pass
		844	50	0	9.851	/	Pass

4.2 Test Graph

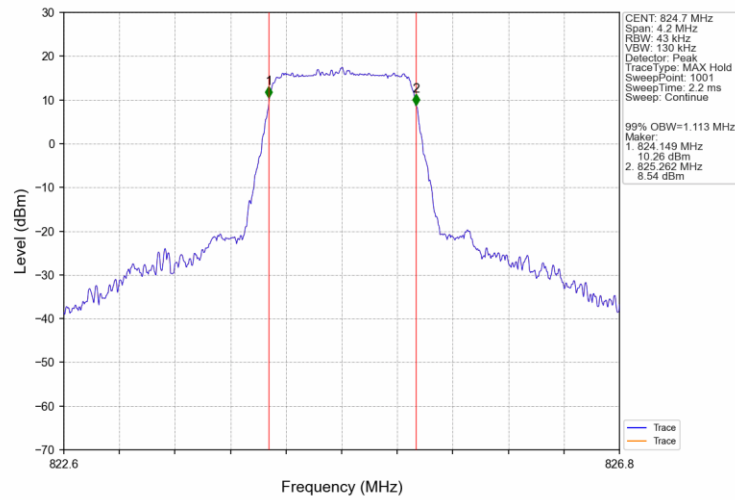
4.2.1 Band5_OBW



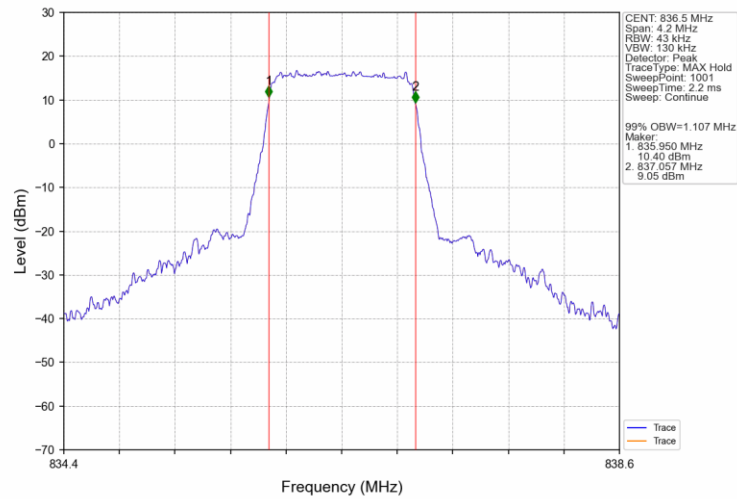
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



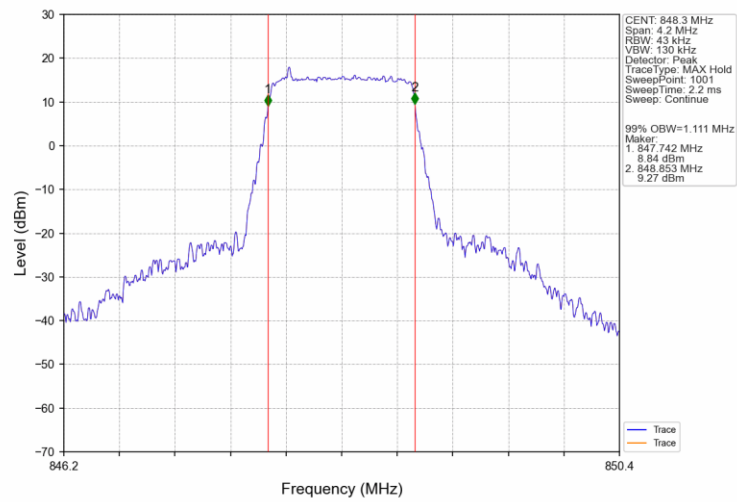
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



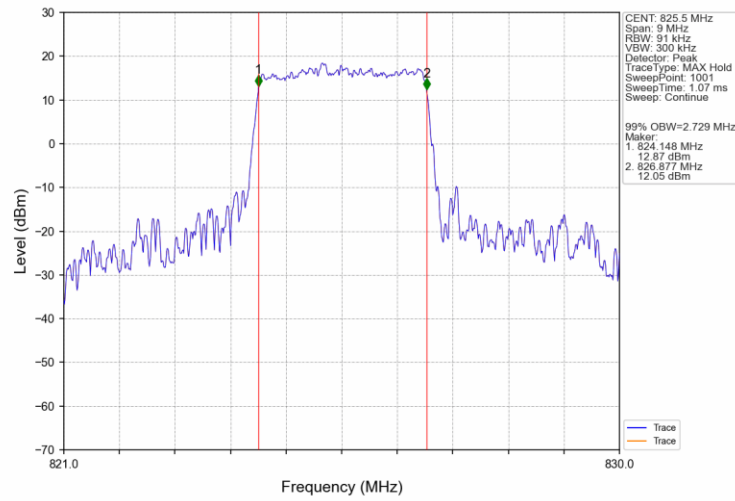
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



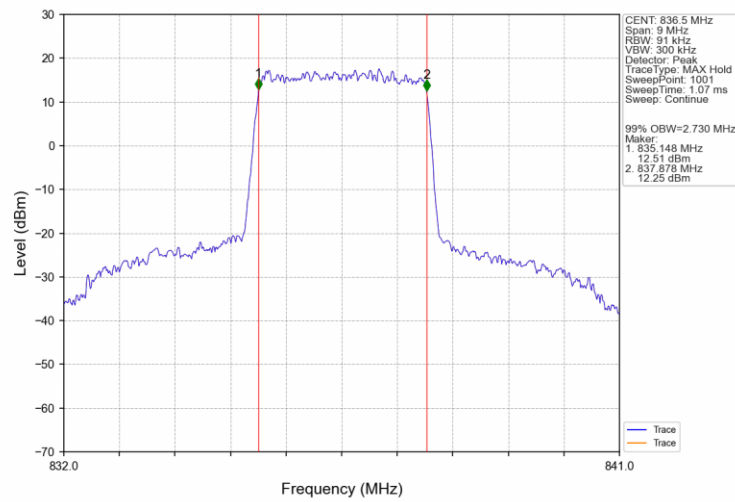
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



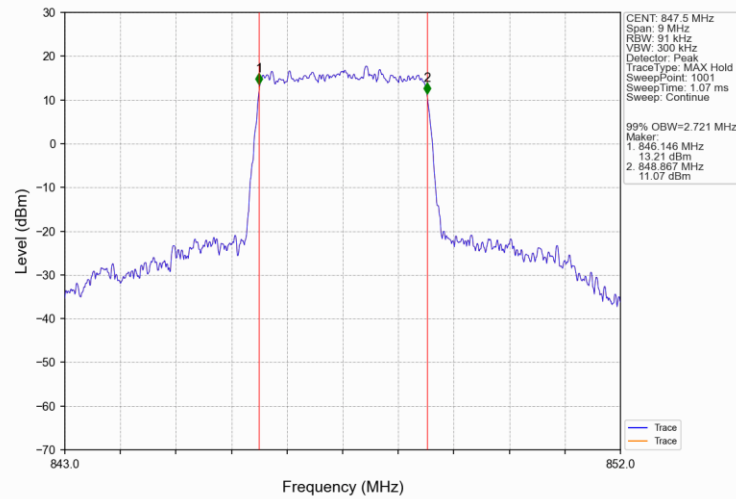
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



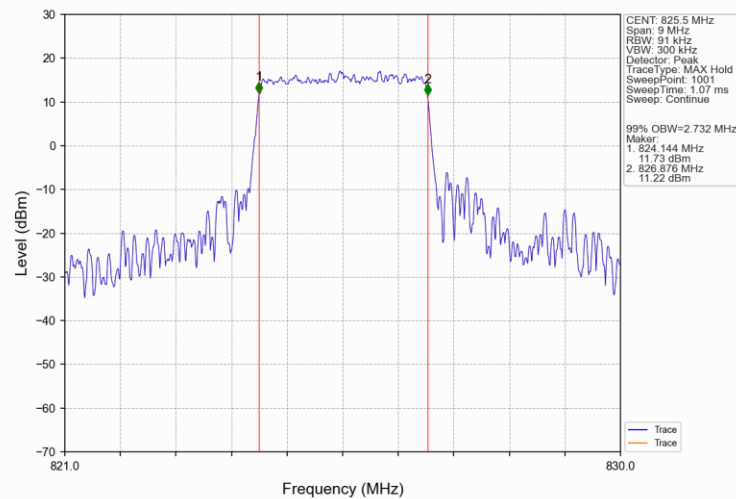
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



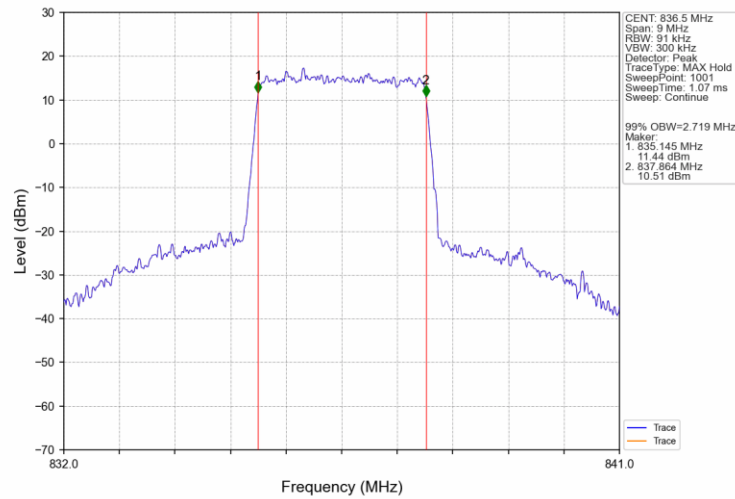
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



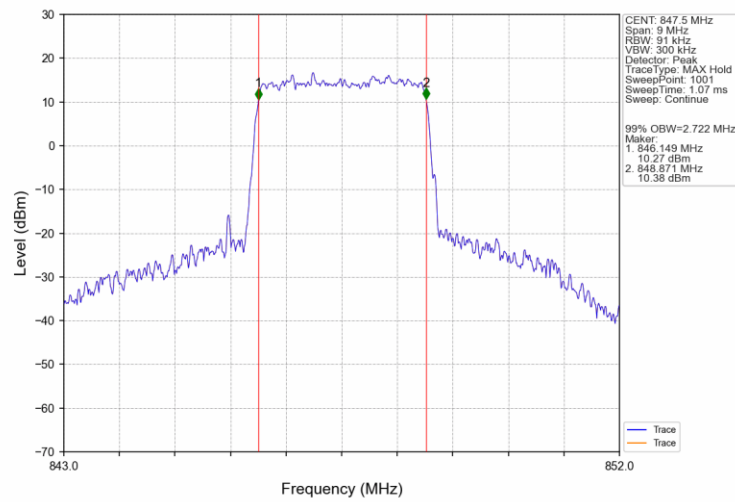
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



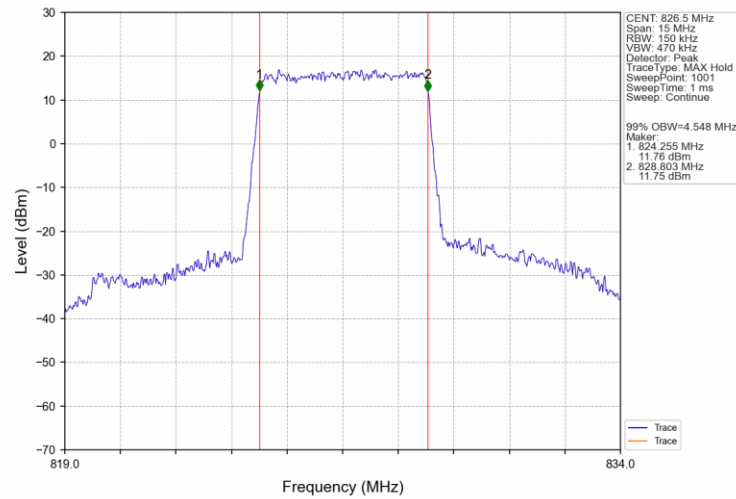
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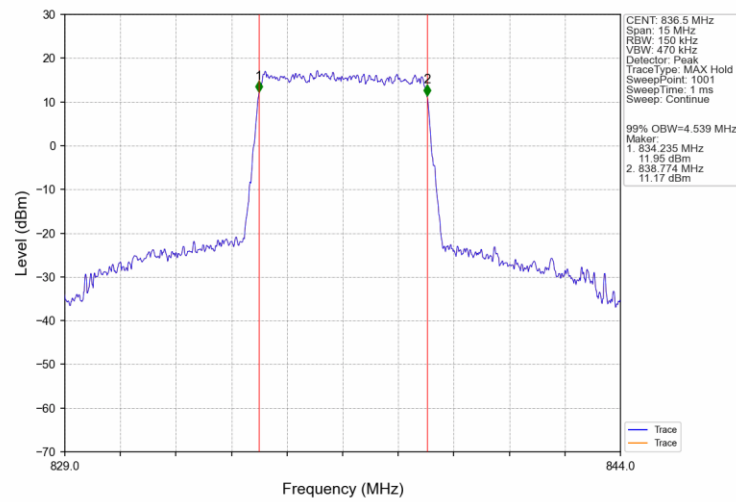
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



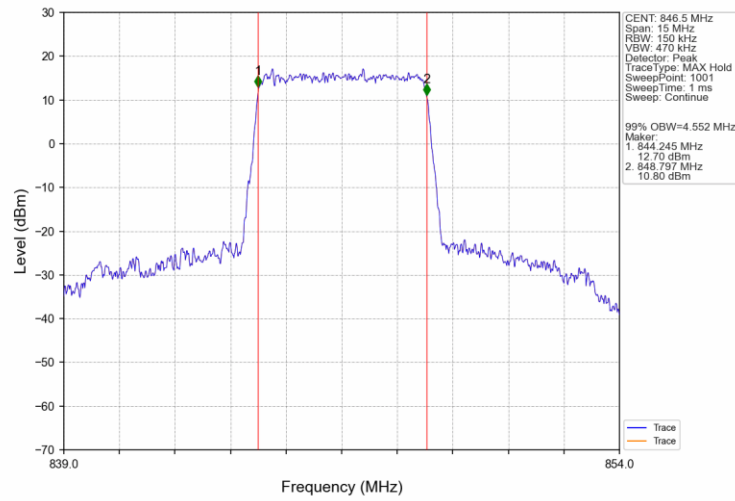
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



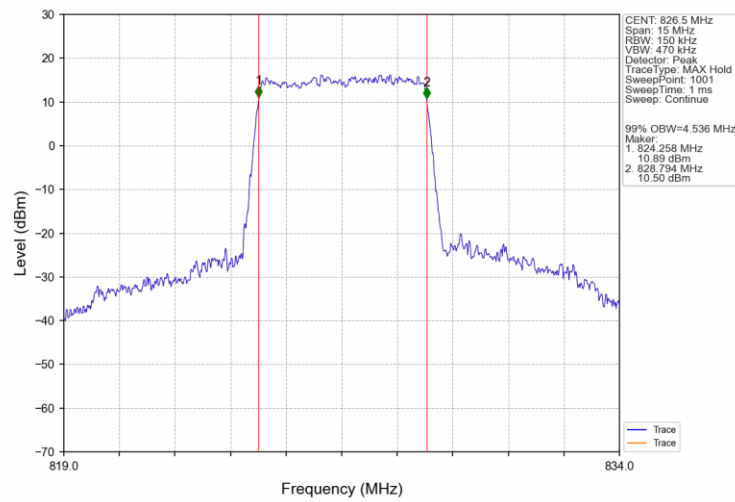
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



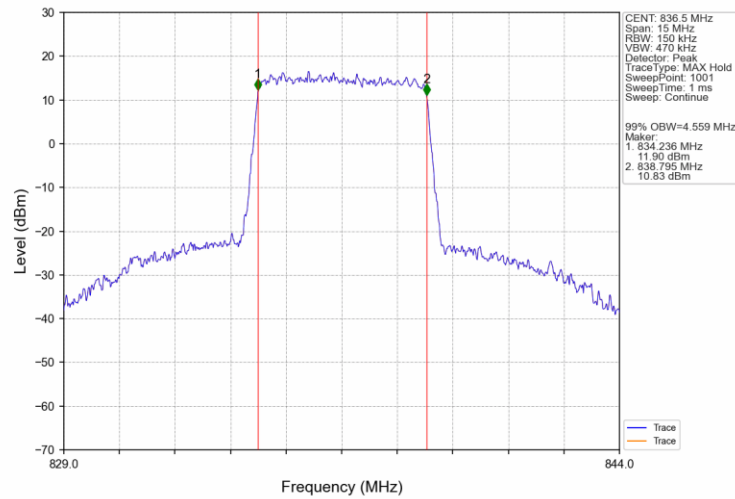
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



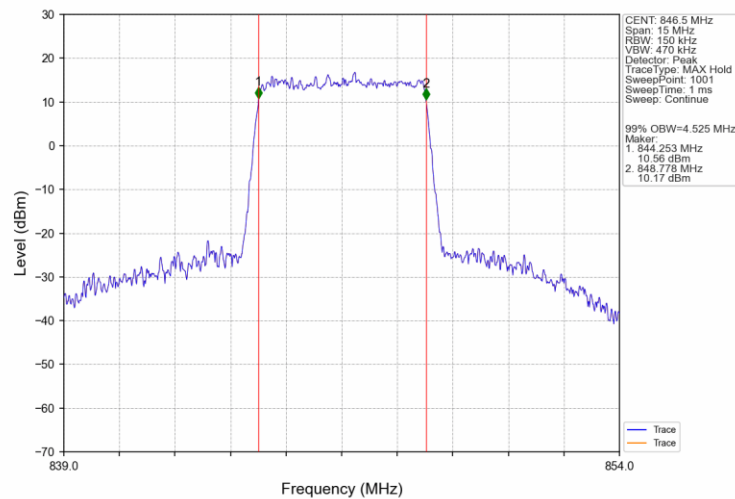
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



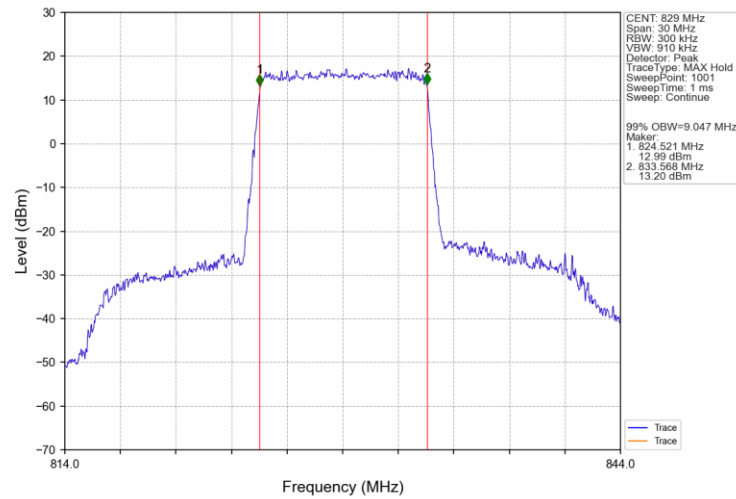
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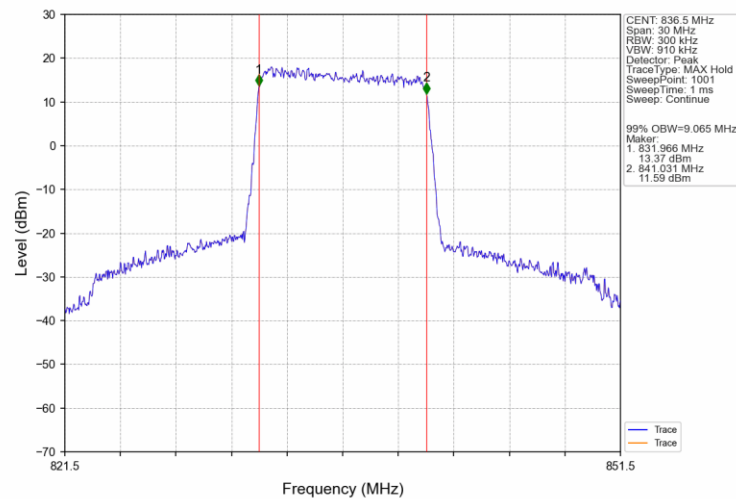
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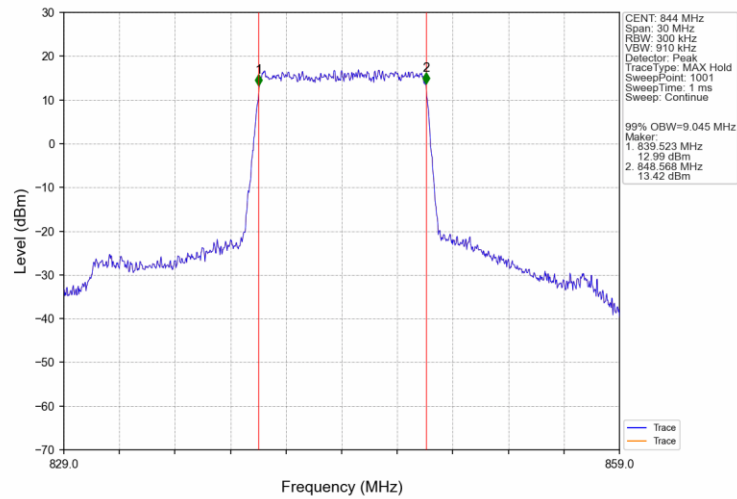
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



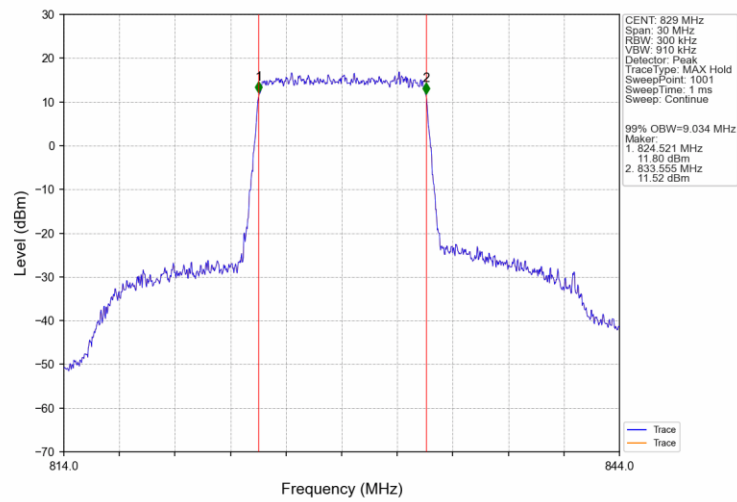
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



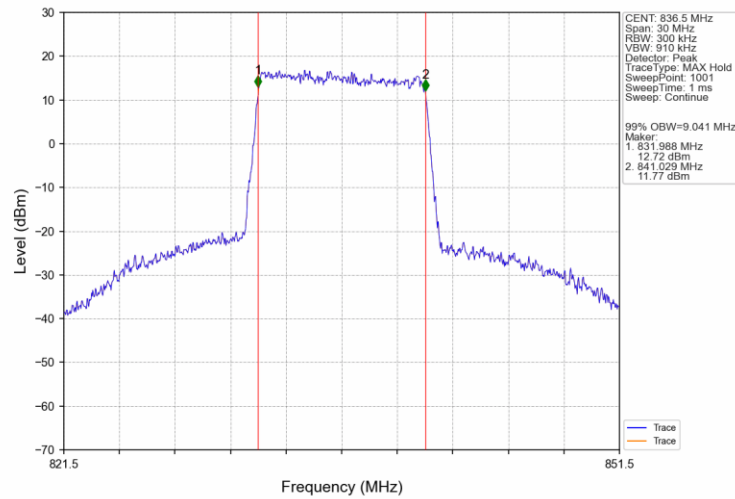
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



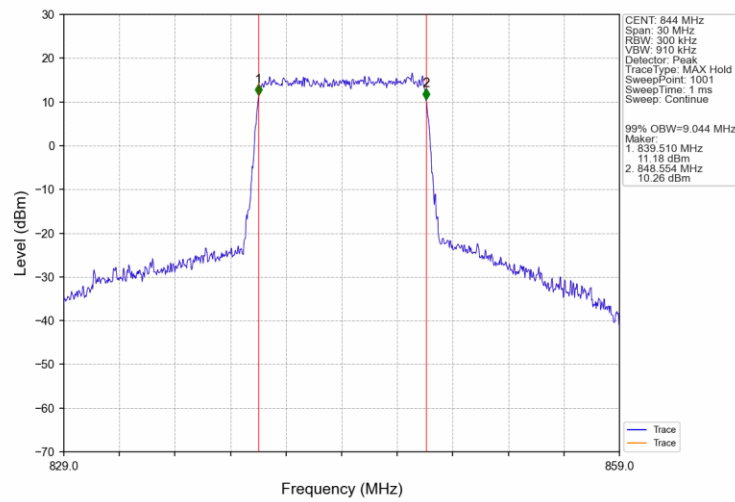
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

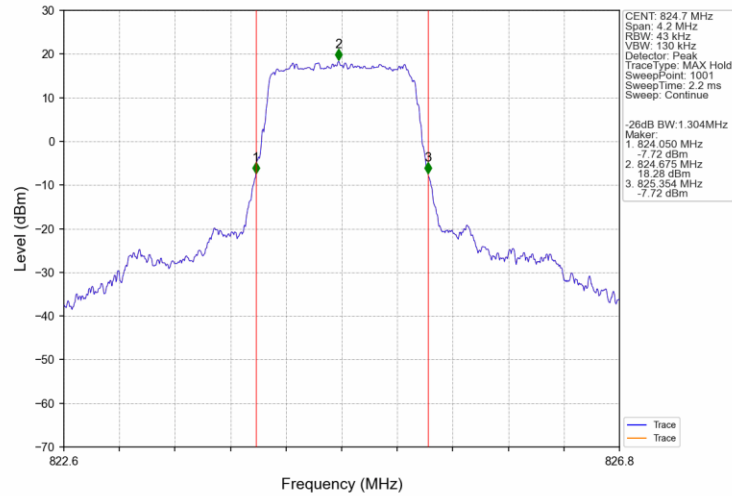


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

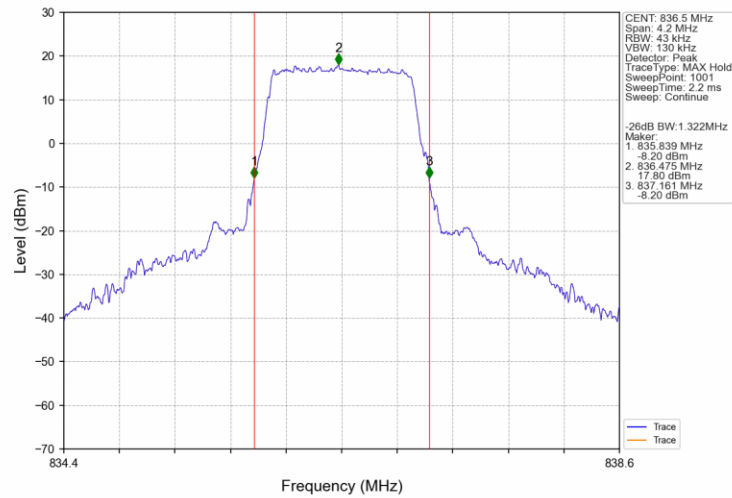


4.2.2 Band5_XDB

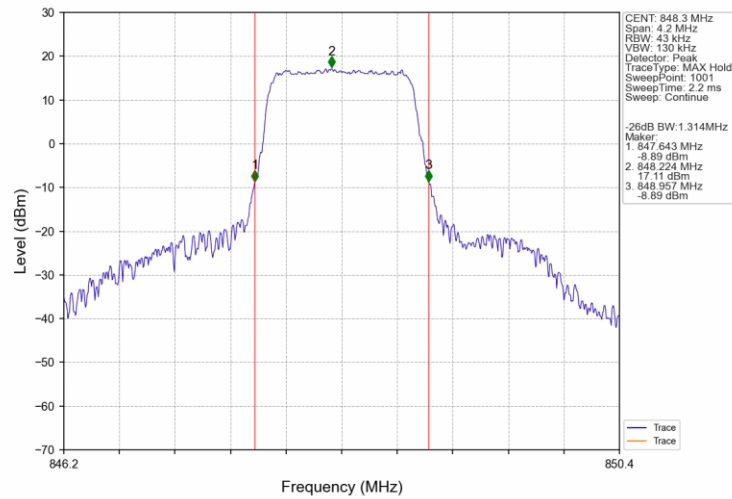
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



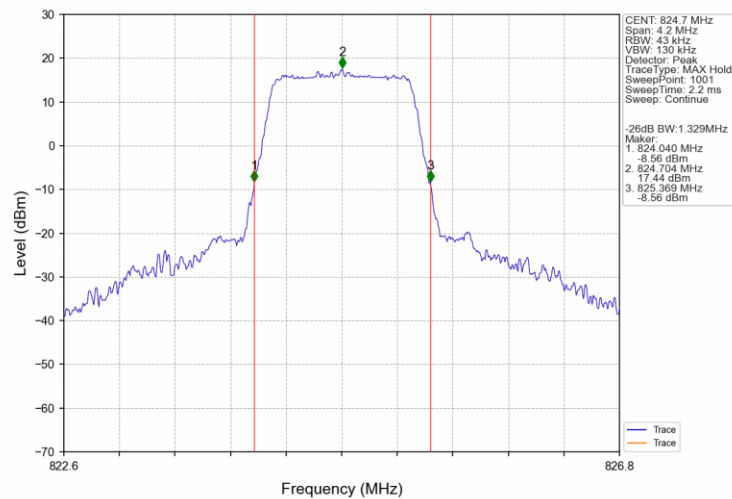
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



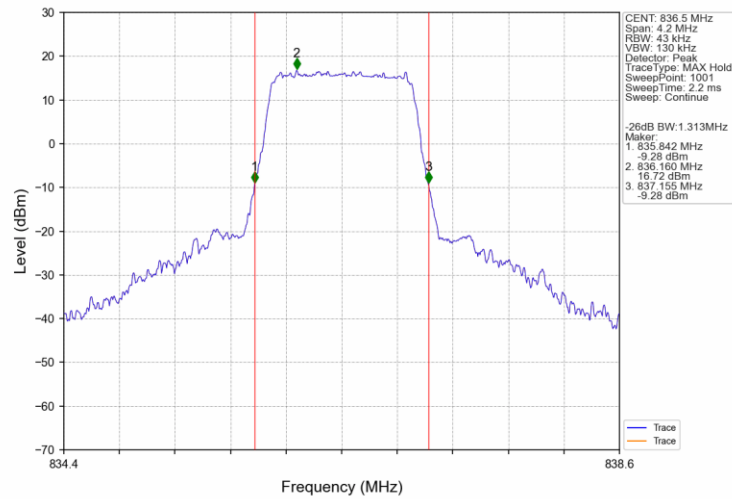
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



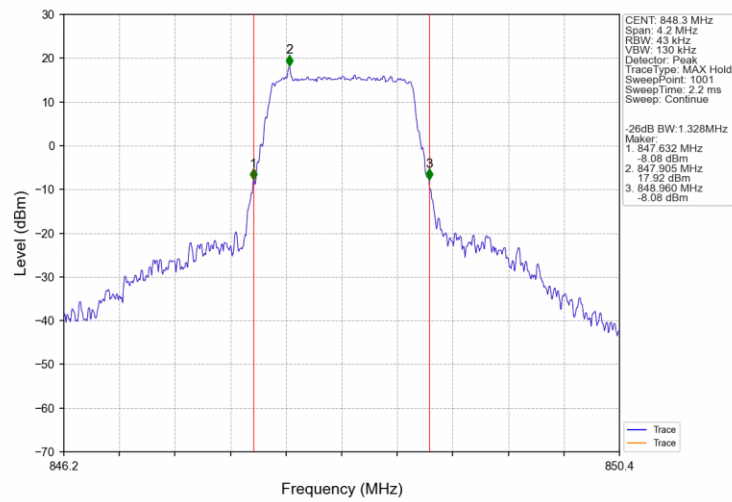
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



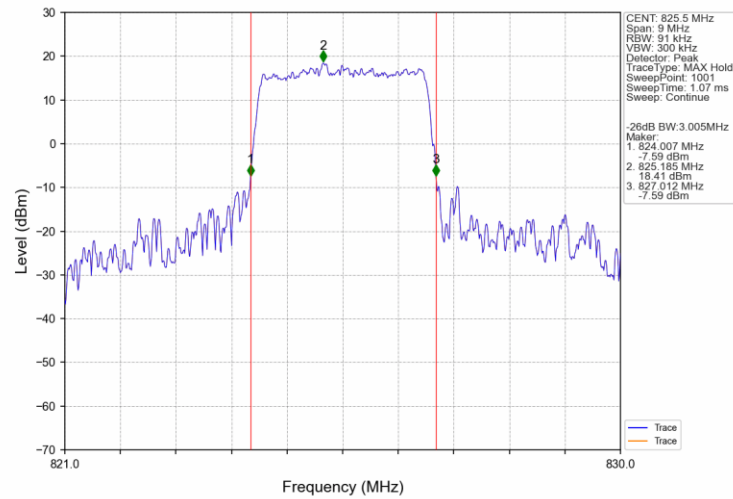
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



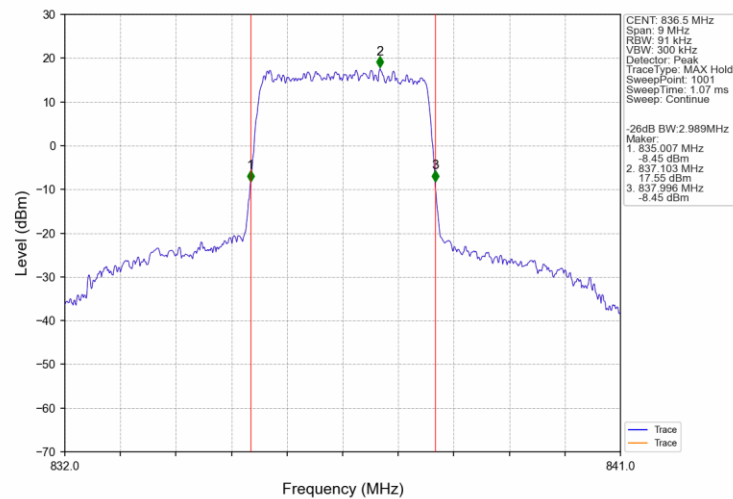
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



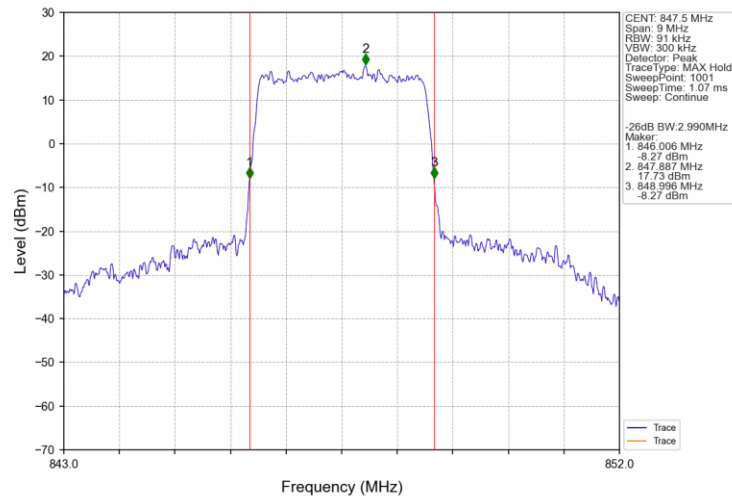
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



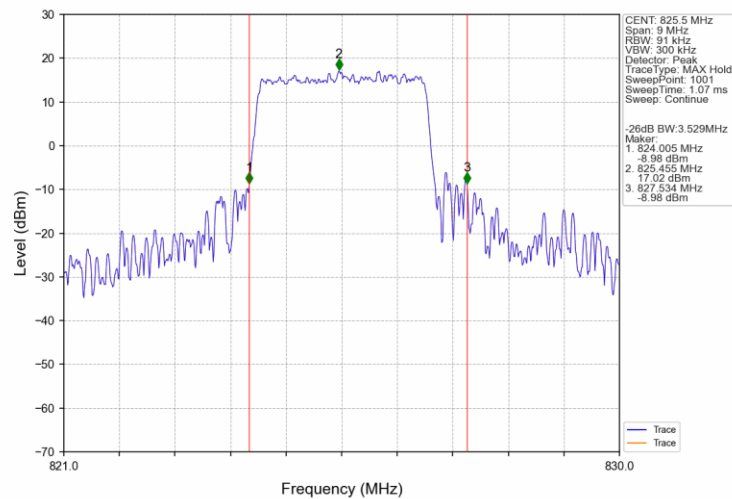
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



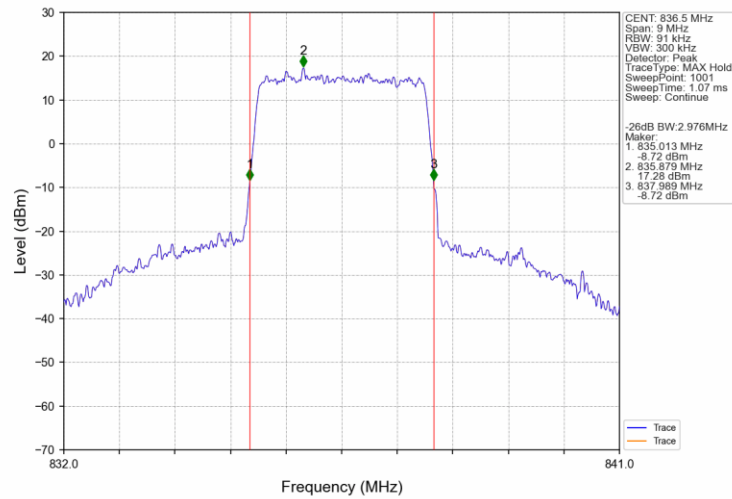
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



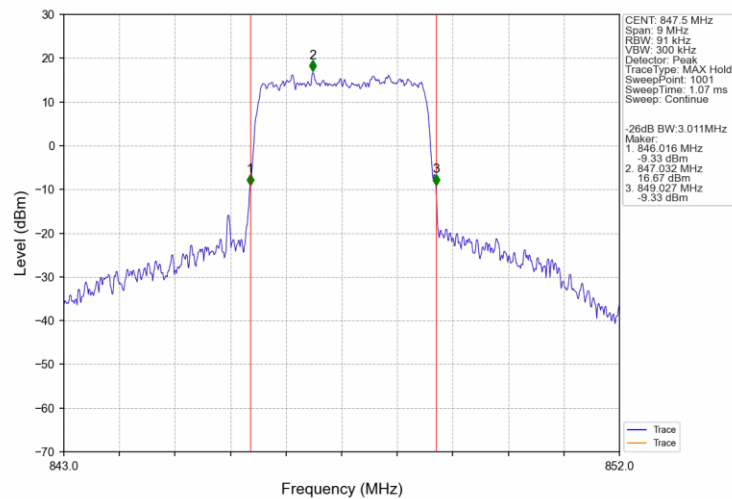
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



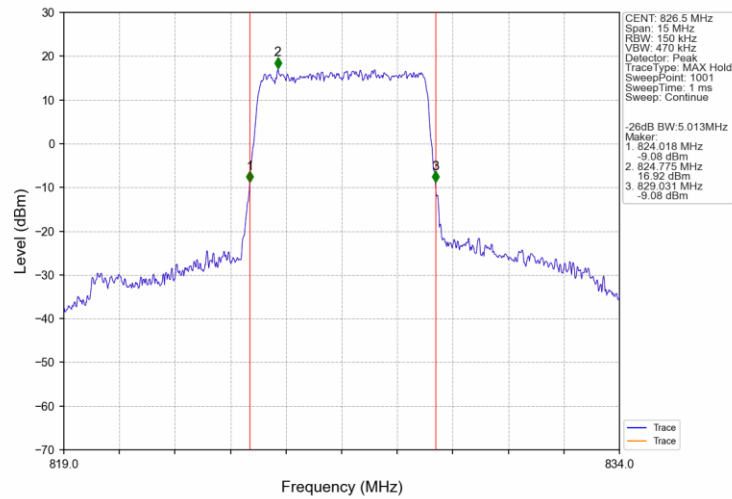
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



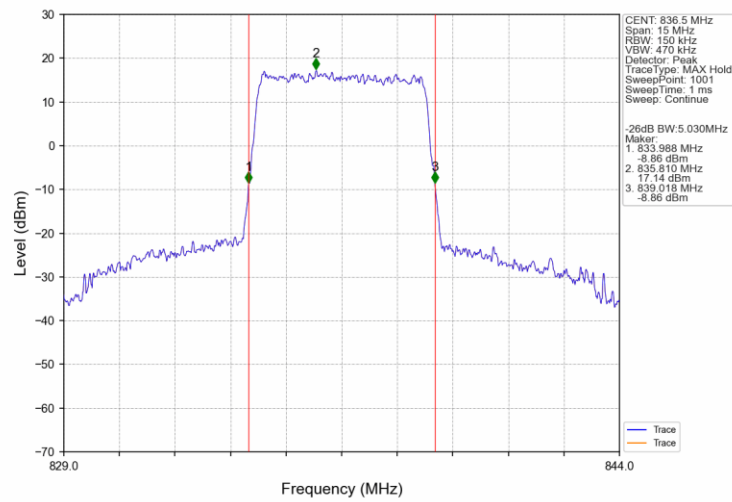
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



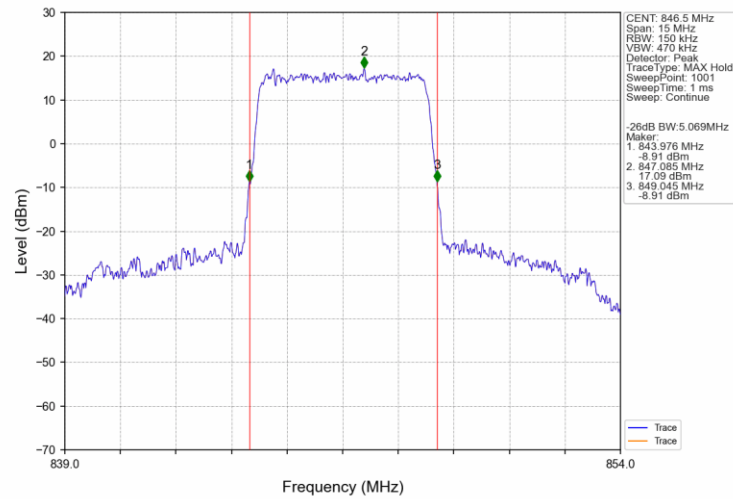
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



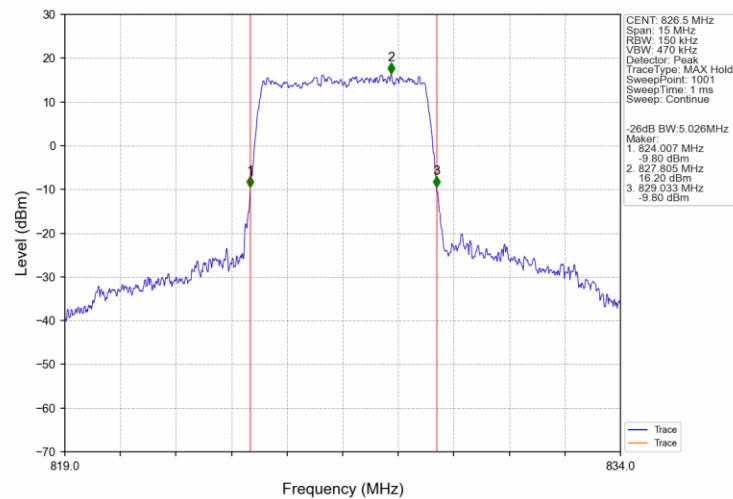
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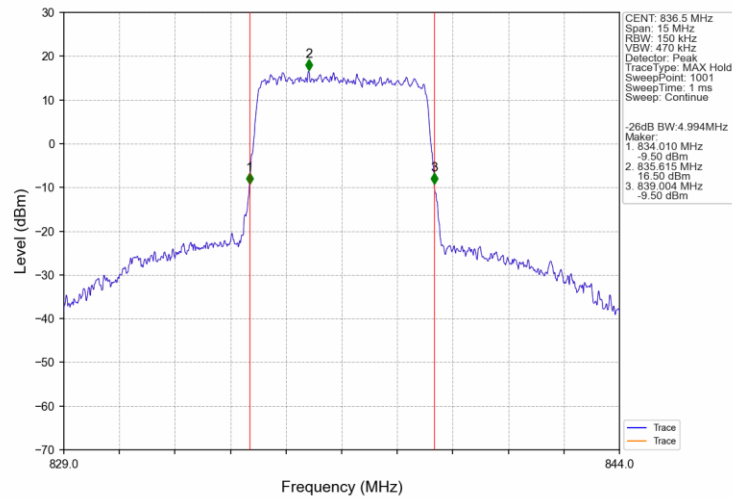
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



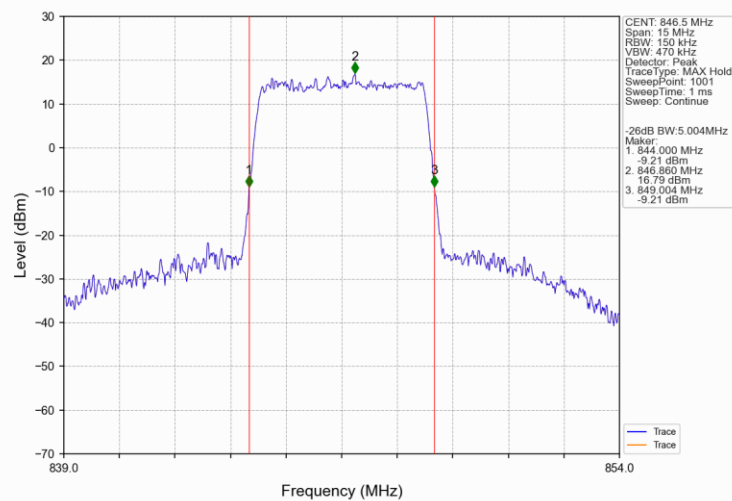
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



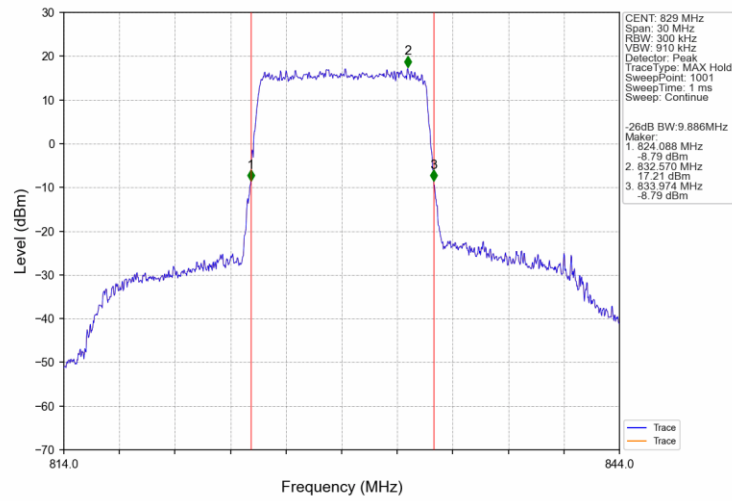
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



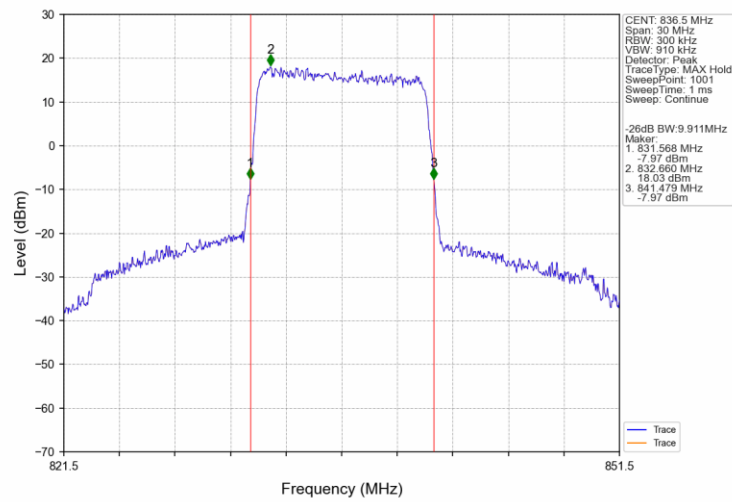
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



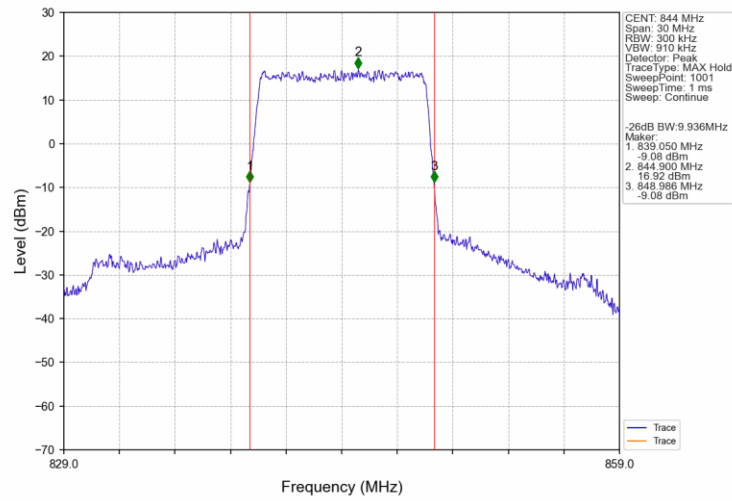
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



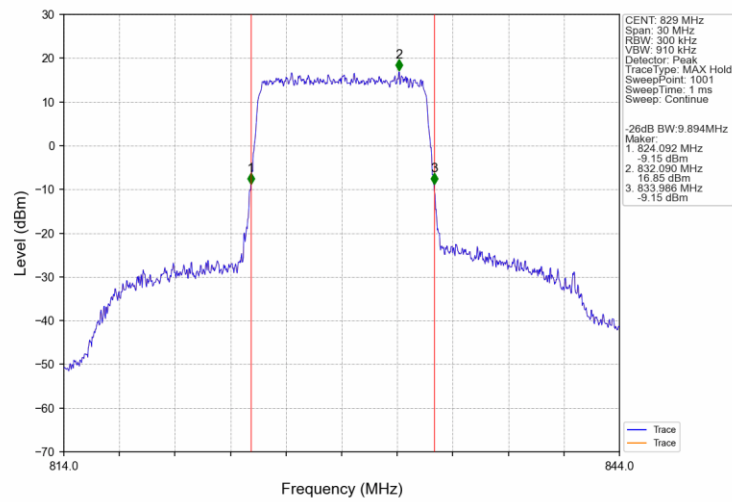
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



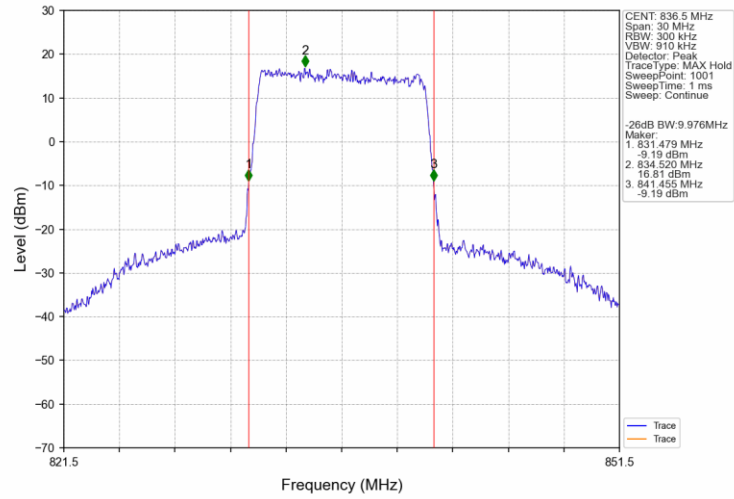
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



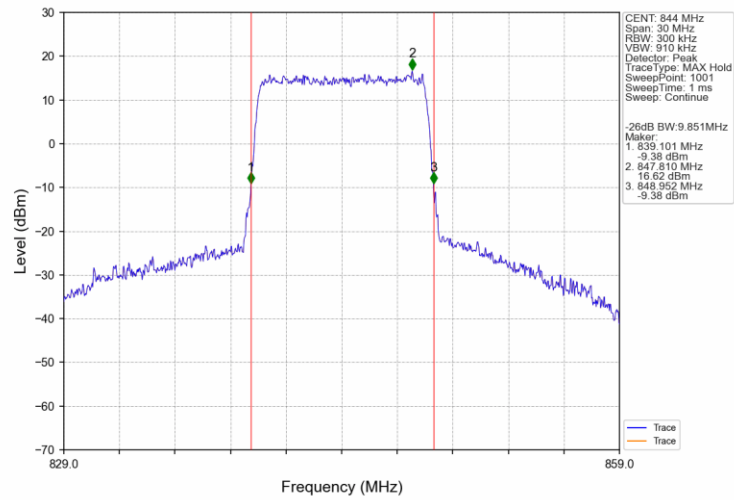
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	5.62	<=13	Pass
	836.5	6	0	5.74	<=13	Pass
	848.3	6	0	5.29	<=13	Pass
16QAM	824.7	6	0	6.34	<=13	Pass
	836.5	6	0	6.55	<=13	Pass
	848.3	6	0	6.06	<=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	5.62	<=13	Pass
	836.5	15	0	5.75	<=13	Pass
	847.5	15	0	5.36	<=13	Pass
16QAM	825.5	15	0	6.36	<=13	Pass
	836.5	15	0	6.47	<=13	Pass
	847.5	15	0	6.21	<=13	Pass

5.1.3 B5_5MHz

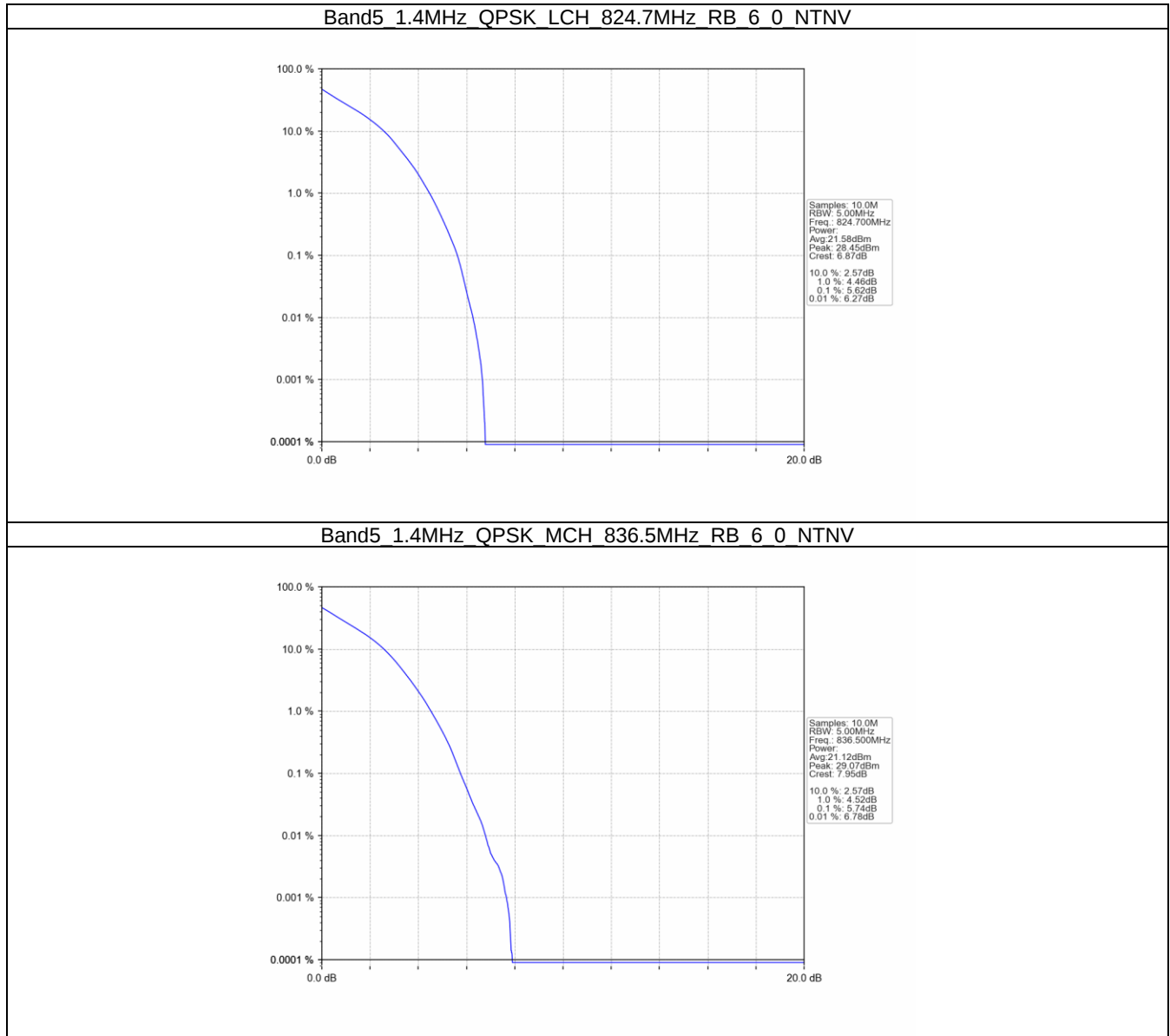
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.67	<=13	Pass
	836.5	25	0	5.85	<=13	Pass
	846.5	25	0	5.70	<=13	Pass
16QAM	826.5	25	0	6.34	<=13	Pass
	836.5	25	0	6.52	<=13	Pass
	846.5	25	0	6.31	<=13	Pass

5.1.4 B5_10MHz

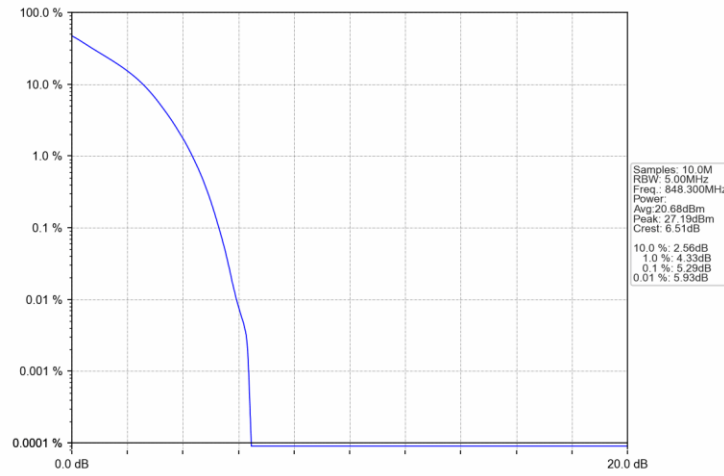
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.57	<=13	Pass
	836.5	50	0	5.81	<=13	Pass
	844	50	0	5.80	<=13	Pass
16QAM	829	50	0	6.32	<=13	Pass
	836.5	50	0	6.53	<=13	Pass
	844	50	0	6.46	<=13	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

