

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	22.40	0.30	20.55	<=34.77	Pass
			2	22.45	0.30	20.60	<=34.77	Pass
			5	22.47	0.30	20.62	<=34.77	Pass
		3	0	22.41	0.30	20.56	<=34.77	Pass
			2	22.49	0.30	20.64	<=34.77	Pass
			3	22.57	0.30	20.72	<=34.77	Pass
		6	0	21.32	0.30	19.47	<=34.77	Pass
	836.5	1	0	22.82	0.30	20.97	<=34.77	Pass
			2	22.31	0.30	20.46	<=34.77	Pass
			5	22.32	0.30	20.47	<=34.77	Pass
		3	0	22.35	0.30	20.50	<=34.77	Pass
			2	22.29	0.30	20.44	<=34.77	Pass
			3	22.35	0.30	20.50	<=34.77	Pass
		6	0	21.40	0.30	19.55	<=34.77	Pass
	848.3	1	0	22.36	0.30	20.51	<=34.77	Pass
			2	22.77	0.30	20.92	<=34.77	Pass
			5	22.76	0.30	20.91	<=34.77	Pass
		3	0	22.42	0.30	20.57	<=34.77	Pass
			2	22.68	0.30	20.83	<=34.77	Pass
			3	22.67	0.30	20.82	<=34.77	Pass
		6	0	21.74	0.30	19.89	<=34.77	Pass
16QAM	824.7	1	0	21.46	0.30	19.61	<=34.77	Pass
			2	21.43	0.30	19.58	<=34.77	Pass
			5	21.42	0.30	19.57	<=34.77	Pass
		3	0	21.27	0.30	19.42	<=34.77	Pass
			2	21.16	0.30	19.31	<=34.77	Pass
			3	21.22	0.30	19.37	<=34.77	Pass
		6	0	20.35	0.30	18.50	<=34.77	Pass
	836.5	1	0	21.37	0.30	19.52	<=34.77	Pass
			2	20.79	0.30	18.94	<=34.77	Pass
			5	20.87	0.30	19.02	<=34.77	Pass
		3	0	21.12	0.30	19.27	<=34.77	Pass
			2	21.02	0.30	19.17	<=34.77	Pass
			3	21.08	0.30	19.23	<=34.77	Pass
		6	0	20.23	0.30	18.38	<=34.77	Pass
	848.3	1	0	21.72	0.30	19.87	<=34.77	Pass
			2	22.23	0.30	20.38	<=34.77	Pass
			5	22.25	0.30	20.40	<=34.77	Pass
		3	0	21.11	0.30	19.26	<=34.77	Pass
			2	21.55	0.30	19.70	<=34.77	Pass
			3	21.60	0.30	19.75	<=34.77	Pass
		6	0	20.92	0.30	19.07	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.34	0.30	20.49	<=34.77	Pass
			7	22.32	0.30	20.47	<=34.77	Pass
			14	22.88	0.30	21.03	<=34.77	Pass
		8	0	21.30	0.30	19.45	<=34.77	Pass
			4	21.29	0.30	19.44	<=34.77	Pass
			7	21.98	0.30	20.13	<=34.77	Pass
		15	0	21.30	0.30	19.45	<=34.77	Pass
	836.5	1	0	22.80	0.30	20.95	<=34.77	Pass
			7	22.37	0.30	20.52	<=34.77	Pass
			14	22.33	0.30	20.48	<=34.77	Pass
		8	0	21.79	0.30	19.94	<=34.77	Pass
			4	21.34	0.30	19.49	<=34.77	Pass
			7	21.39	0.30	19.54	<=34.77	Pass
		15	0	21.37	0.30	19.52	<=34.77	Pass
	847.5	1	0	22.31	0.30	20.46	<=34.77	Pass
			7	22.33	0.30	20.48	<=34.77	Pass
			14	22.74	0.30	20.89	<=34.77	Pass
		8	0	21.19	0.30	19.34	<=34.77	Pass
			4	21.21	0.30	19.36	<=34.77	Pass
			7	21.67	0.30	19.82	<=34.77	Pass
		15	0	21.21	0.30	19.36	<=34.77	Pass
16QAM	825.5	1	0	21.42	0.30	19.57	<=34.77	Pass
			7	21.46	0.30	19.61	<=34.77	Pass
			14	21.89	0.30	20.04	<=34.77	Pass
		8	0	20.52	0.30	18.67	<=34.77	Pass
			4	20.51	0.30	18.66	<=34.77	Pass
			7	21.14	0.30	19.29	<=34.77	Pass
		15	0	20.39	0.30	18.54	<=34.77	Pass
	836.5	1	0	21.33	0.30	19.48	<=34.77	Pass
			7	20.78	0.30	18.93	<=34.77	Pass
			14	20.87	0.30	19.02	<=34.77	Pass
		8	0	21.01	0.30	19.16	<=34.77	Pass
			4	20.40	0.30	18.55	<=34.77	Pass
			7	20.46	0.30	18.61	<=34.77	Pass
		15	0	20.44	0.30	18.59	<=34.77	Pass
	847.5	1	0	22.16	0.30	20.31	<=34.77	Pass
			7	22.07	0.30	20.22	<=34.77	Pass
			14	22.48	0.30	20.63	<=34.77	Pass
		8	0	20.23	0.30	18.38	<=34.77	Pass
			4	20.28	0.30	18.43	<=34.77	Pass
			7	20.84	0.30	18.99	<=34.77	Pass
		15	0	20.09	0.30	18.24	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.43	0.30	20.58	<=34.77	Pass
			13	22.88	0.30	21.03	<=34.77	Pass
			24	22.36	0.30	20.51	<=34.77	Pass
		12	0	21.43	0.30	19.58	<=34.77	Pass
			6	21.87	0.30	20.02	<=34.77	Pass
			13	21.88	0.30	20.03	<=34.77	Pass
		25	0	21.85	0.30	20.00	<=34.77	Pass
	836.5	1	0	22.79	0.30	20.94	<=34.77	Pass
			13	22.22	0.30	20.37	<=34.77	Pass
			24	22.67	0.30	20.82	<=34.77	Pass
		12	0	21.75	0.30	19.90	<=34.77	Pass
			6	21.37	0.30	19.52	<=34.77	Pass
			13	21.29	0.30	19.44	<=34.77	Pass
		25	0	21.43	0.30	19.58	<=34.77	Pass
	846.5	1	0	22.28	0.30	20.43	<=34.77	Pass
			13	22.25	0.30	20.40	<=34.77	Pass
			24	22.71	0.30	20.86	<=34.77	Pass
		12	0	21.25	0.30	19.40	<=34.77	Pass
			6	21.42	0.30	19.57	<=34.77	Pass
			13	21.18	0.30	19.33	<=34.77	Pass
		25	0	21.23	0.30	19.38	<=34.77	Pass
16QAM	826.5	1	0	20.58	0.30	18.73	<=34.77	Pass
			13	20.82	0.30	18.97	<=34.77	Pass
			24	20.91	0.30	19.06	<=34.77	Pass
		12	0	20.35	0.30	18.50	<=34.77	Pass
			6	20.88	0.30	19.03	<=34.77	Pass
			13	20.86	0.30	19.01	<=34.77	Pass
		25	0	20.90	0.30	19.05	<=34.77	Pass
	836.5	1	0	21.79	0.30	19.94	<=34.77	Pass
			13	21.22	0.30	19.37	<=34.77	Pass
			24	21.80	0.30	19.95	<=34.77	Pass
		12	0	20.76	0.30	18.91	<=34.77	Pass
			6	20.19	0.30	18.34	<=34.77	Pass
			13	20.18	0.30	18.33	<=34.77	Pass
		25	0	20.28	0.30	18.43	<=34.77	Pass
	846.5	1	0	21.09	0.30	19.24	<=34.77	Pass
			13	21.15	0.30	19.30	<=34.77	Pass
			24	21.63	0.30	19.78	<=34.77	Pass
		12	0	20.08	0.30	18.23	<=34.77	Pass
			6	20.09	0.30	18.24	<=34.77	Pass
			13	20.02	0.30	18.17	<=34.77	Pass
		25	0	20.04	0.30	18.19	<=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	22.23	0.30	20.38	<=34.77	Pass
			25	22.29	0.30	20.44	<=34.77	Pass
			49	22.70	0.30	20.85	<=34.77	Pass
		25	0	21.95	0.30	20.10	<=34.77	Pass
			13	21.89	0.30	20.04	<=34.77	Pass
			25	21.88	0.30	20.03	<=34.77	Pass
		50	0	21.90	0.30	20.05	<=34.77	Pass
	836.5	1	0	22.80	0.30	20.95	<=34.77	Pass
			25	22.30	0.30	20.45	<=34.77	Pass
			49	22.34	0.30	20.49	<=34.77	Pass
		25	0	21.78	0.30	19.93	<=34.77	Pass
			13	21.36	0.30	19.51	<=34.77	Pass
			25	21.85	0.30	20.00	<=34.77	Pass
		50	0	21.41	0.30	19.56	<=34.77	Pass
	844	1	0	22.65	0.30	20.80	<=34.77	Pass
			25	22.67	0.30	20.82	<=34.77	Pass
			49	22.65	0.30	20.80	<=34.77	Pass
		25	0	21.82	0.30	19.97	<=34.77	Pass
			13	21.71	0.30	19.86	<=34.77	Pass
			25	21.27	0.30	19.42	<=34.77	Pass
		50	0	21.80	0.30	19.95	<=34.77	Pass
16QAM	829	1	0	21.79	0.30	19.94	<=34.77	Pass
			25	22.34	0.30	20.49	<=34.77	Pass
			49	22.19	0.30	20.34	<=34.77	Pass
		25	0	20.92	0.30	19.07	<=34.77	Pass
			13	20.95	0.30	19.10	<=34.77	Pass
			25	20.78	0.30	18.93	<=34.77	Pass
		50	0	20.93	0.30	19.08	<=34.77	Pass
	836.5	1	0	21.28	0.30	19.43	<=34.77	Pass
			25	20.78	0.30	18.93	<=34.77	Pass
			49	21.35	0.30	19.50	<=34.77	Pass
		25	0	20.86	0.30	19.01	<=34.77	Pass
			13	20.37	0.30	18.52	<=34.77	Pass
			25	20.97	0.30	19.12	<=34.77	Pass
		50	0	20.25	0.30	18.40	<=34.77	Pass
	844	1	0	22.46	0.30	20.61	<=34.77	Pass
			25	22.43	0.30	20.58	<=34.77	Pass
			49	22.35	0.30	20.50	<=34.77	Pass
		25	0	20.88	0.30	19.03	<=34.77	Pass
			13	20.82	0.30	18.97	<=34.77	Pass
			25	20.30	0.30	18.45	<=34.77	Pass
		50	0	20.79	0.30	18.94	<=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	-27.895	-0.0338	-2.5 to 2.5	Pass
					3.85	-35.005	-0.0424	-2.5 to 2.5	Pass
					4.43	-30.084	-0.0365	-2.5 to 2.5	Pass
				-30	3.85	-22.688	-0.0275	-2.5 to 2.5	Pass
				-20	3.85	-31.943	-0.0387	-2.5 to 2.5	Pass
				-10	3.85	-23.475	-0.0285	-2.5 to 2.5	Pass
				0	3.85	-8.354	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-22.874	-0.0277	-2.5 to 2.5	Pass
				40	3.85	-40.169	-0.0487	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0063	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	12.703	0.0152	-2.5 to 2.5	Pass
					3.85	8.097	0.0097	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-10.042	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-15.736	-0.0188	-2.5 to 2.5	Pass
				-10	3.85	-18.797	-0.0225	-2.5 to 2.5	Pass
				0	3.85	-21.100	-0.0252	-2.5 to 2.5	Pass
				10	3.85	-22.774	-0.0272	-2.5 to 2.5	Pass
				30	3.85	-24.018	-0.0287	-2.5 to 2.5	Pass
				40	3.85	-26.479	-0.0317	-2.5 to 2.5	Pass
				50	3.85	-27.752	-0.0332	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	27.866	0.0328	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0116	-2.5 to 2.5	Pass
					4.43	-30.813	-0.0363	-2.5 to 2.5	Pass
				-30	3.85	-24.977	-0.0294	-2.5 to 2.5	Pass
				-20	3.85	-11.373	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-36.521	-0.0431	-2.5 to 2.5	Pass
				0	3.85	-16.179	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-31.171	-0.0367	-2.5 to 2.5	Pass
				30	3.85	-48.380	-0.0570	-2.5 to 2.5	Pass
				40	3.85	-4.864	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-16.623	-0.0196	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-15.922	-0.0193	-2.5 to 2.5	Pass
					3.85	-4.020	-0.0049	-2.5 to 2.5	Pass
					4.43	3.104	0.0038	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0027	-2.5 to 2.5	Pass
				-20	3.85	4.792	0.0058	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0029	-2.5 to 2.5	Pass
				0	3.85	1.459	0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-8.669	-0.0105	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-26.836	-0.0321	-2.5 to 2.5	Pass
					3.85	-7.968	-0.0095	-2.5 to 2.5	Pass
					4.43	5.665	0.0068	-2.5 to 2.5	Pass
				-30	3.85	15.507	0.0185	-2.5 to 2.5	Pass
				-20	3.85	22.345	0.0267	-2.5 to 2.5	Pass

				-10	3.85	25.692	0.0307	-2.5 to 2.5	Pass
				0	3.85	30.055	0.0359	-2.5 to 2.5	Pass
				10	3.85	32.458	0.0388	-2.5 to 2.5	Pass
				30	3.85	33.817	0.0404	-2.5 to 2.5	Pass
				40	3.85	35.977	0.0430	-2.5 to 2.5	Pass
				50	3.85	38.395	0.0459	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-23.332	-0.0275	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0091	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0034	-2.5 to 2.5	Pass
				-20	3.85	4.106	0.0048	-2.5 to 2.5	Pass
				-10	3.85	4.077	0.0048	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0037	-2.5 to 2.5	Pass
				10	3.85	4.735	0.0056	-2.5 to 2.5	Pass
				30	3.85	3.276	0.0039	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0002	-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	7.353	0.0089	-2.5 to 2.5	Pass
					3.85	-27.881	-0.0338	-2.5 to 2.5	Pass
					4.43	-37.723	-0.0457	-2.5 to 2.5	Pass
				-30	3.85	-24.490	-0.0297	-2.5 to 2.5	Pass
				-20	3.85	-46.635	-0.0565	-2.5 to 2.5	Pass
				-10	3.85	-13.232	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-22.831	-0.0277	-2.5 to 2.5	Pass
				10	3.85	-32.158	-0.0390	-2.5 to 2.5	Pass
				30	3.85	-39.196	-0.0475	-2.5 to 2.5	Pass
				40	3.85	4.950	0.0060	-2.5 to 2.5	Pass
				50	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	7.854	0.0094	-2.5 to 2.5	Pass
					3.85	3.061	0.0037	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.877	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-7.124	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-4.663	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0060	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	32.530	0.0384	-2.5 to 2.5	Pass
					3.85	-29.655	-0.0350	-2.5 to 2.5	Pass
					4.43	-22.516	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-11.044	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-32.301	-0.0381	-2.5 to 2.5	Pass
				-10	3.85	-15.278	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-7.410	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-15.564	-0.0184	-2.5 to 2.5	Pass
				30	3.85	-24.505	-0.0289	-2.5 to 2.5	Pass
				40	3.85	-32.272	-0.0381	-2.5 to 2.5	Pass
				50	3.85	-37.308	-0.0440	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-3.176	-0.0038	-2.5 to 2.5	Pass
					3.85	16.680	0.0202	-2.5 to 2.5	Pass

					4.43	31.271	0.0379	-2.5 to 2.5	Pass
				-30	3.85	36.864	0.0447	-2.5 to 2.5	Pass
				-20	3.85	39.926	0.0484	-2.5 to 2.5	Pass
				-10	3.85	45.877	0.0556	-2.5 to 2.5	Pass
				0	3.85	47.193	0.0572	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.947	0.0036	-2.5 to 2.5	Pass
				40	3.85	6.452	0.0078	-2.5 to 2.5	Pass
				50	3.85	8.726	0.0106	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.458	-0.0005	-2.5 to 2.5	Pass
					3.85	18.969	0.0227	-2.5 to 2.5	Pass
					4.43	32.959	0.0394	-2.5 to 2.5	Pass
				-30	3.85	45.877	0.0548	-2.5 to 2.5	Pass
				-20	3.85	10.042	0.0120	-2.5 to 2.5	Pass
				-10	3.85	18.382	0.0220	-2.5 to 2.5	Pass
				0	3.85	22.316	0.0267	-2.5 to 2.5	Pass
				10	3.85	26.693	0.0319	-2.5 to 2.5	Pass
				30	3.85	32.244	0.0385	-2.5 to 2.5	Pass
				40	3.85	33.002	0.0395	-2.5 to 2.5	Pass
				50	3.85	36.235	0.0433	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-39.439	-0.0465	-2.5 to 2.5	Pass
					3.85	-22.516	-0.0266	-2.5 to 2.5	Pass
					4.43	-8.883	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0031	-2.5 to 2.5	Pass
				-10	3.85	5.150	0.0061	-2.5 to 2.5	Pass
				0	3.85	7.997	0.0094	-2.5 to 2.5	Pass
				10	3.85	10.371	0.0122	-2.5 to 2.5	Pass
				30	3.85	9.398	0.0111	-2.5 to 2.5	Pass
				40	3.85	9.241	0.0109	-2.5 to 2.5	Pass
				50	3.85	10.800	0.0127	-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	23.117	0.0280	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0075	-2.5 to 2.5	Pass
					4.43	-10.729	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-45.547	-0.0551	-2.5 to 2.5	Pass
				-20	3.85	-20.871	-0.0253	-2.5 to 2.5	Pass
				-10	3.85	-39.783	-0.0481	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-14.877	-0.0180	-2.5 to 2.5	Pass
				30	3.85	-24.190	-0.0293	-2.5 to 2.5	Pass
				40	3.85	-31.600	-0.0382	-2.5 to 2.5	Pass
				50	3.85	-38.295	-0.0463	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	14.949	0.0179	-2.5 to 2.5	Pass
					3.85	19.498	0.0233	-2.5 to 2.5	Pass
					4.43	15.650	0.0187	-2.5 to 2.5	Pass
				-30	3.85	16.551	0.0198	-2.5 to 2.5	Pass
				-20	3.85	18.439	0.0220	-2.5 to 2.5	Pass
				-10	3.85	15.550	0.0186	-2.5 to 2.5	Pass
				0	3.85	15.707	0.0188	-2.5 to 2.5	Pass
				10	3.85	17.123	0.0205	-2.5 to 2.5	Pass
				30	3.85	18.196	0.0218	-2.5 to 2.5	Pass
				40	3.85	18.868	0.0226	-2.5 to 2.5	Pass

	846.5	25	0	50	3.85	20.385	0.0244	-2.5 to 2.5	Pass
				20	3.27	41.842	0.0494	-2.5 to 2.5	Pass
					3.85	-17.467	-0.0206	-2.5 to 2.5	Pass
					4.43	-8.297	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-32.930	-0.0389	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-18.053	-0.0213	-2.5 to 2.5	Pass
				0	3.85	-28.253	-0.0334	-2.5 to 2.5	Pass
				10	3.85	-38.323	-0.0453	-2.5 to 2.5	Pass
				30	3.85	-44.117	-0.0521	-2.5 to 2.5	Pass
16QAM	826.5	25	0	40	3.85	-7.210	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-12.074	-0.0143	-2.5 to 2.5	Pass
				20	3.27	-42.872	-0.0519	-2.5 to 2.5	Pass
					3.85	-24.962	-0.0302	-2.5 to 2.5	Pass
					4.43	-12.789	-0.0155	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.730	0.0009	-2.5 to 2.5	Pass
				0	3.85	4.406	0.0053	-2.5 to 2.5	Pass
				10	3.85	5.636	0.0068	-2.5 to 2.5	Pass
	836.5	25	0	30	3.85	7.224	0.0087	-2.5 to 2.5	Pass
				40	3.85	7.582	0.0092	-2.5 to 2.5	Pass
				50	3.85	7.925	0.0096	-2.5 to 2.5	Pass
				20	3.27	25.978	0.0311	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
					4.43	14.377	0.0172	-2.5 to 2.5	Pass
				-30	3.85	25.320	0.0303	-2.5 to 2.5	Pass
				-20	3.85	35.276	0.0422	-2.5 to 2.5	Pass
				-10	3.85	41.642	0.0498	-2.5 to 2.5	Pass
				0	3.85	46.763	0.0559	-2.5 to 2.5	Pass
	846.5	25	0	10	3.85	7.782	0.0093	-2.5 to 2.5	Pass
				30	3.85	11.659	0.0139	-2.5 to 2.5	Pass
				40	3.85	14.834	0.0177	-2.5 to 2.5	Pass
				50	3.85	18.382	0.0220	-2.5 to 2.5	Pass
				20	3.27	-13.375	-0.0158	-2.5 to 2.5	Pass
					3.85	3.476	0.0041	-2.5 to 2.5	Pass
					4.43	15.521	0.0183	-2.5 to 2.5	Pass
				-30	3.85	26.422	0.0312	-2.5 to 2.5	Pass
				-20	3.85	27.108	0.0320	-2.5 to 2.5	Pass
				-10	3.85	34.204	0.0404	-2.5 to 2.5	Pass
				0	3.85	35.777	0.0423	-2.5 to 2.5	Pass
				10	3.85	38.795	0.0458	-2.5 to 2.5	Pass
				30	3.85	41.728	0.0493	-2.5 to 2.5	Pass
				40	3.85	43.459	0.0513	-2.5 to 2.5	Pass
				50	3.85	45.977	0.0543	-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	-25.477	-0.0307	-2.5 to 2.5	Pass
					3.85	-23.046	-0.0278	-2.5 to 2.5	Pass
					4.43	-3.262	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-33.045	-0.0399	-2.5 to 2.5	Pass
				-20	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-14.863	-0.0179	-2.5 to 2.5	Pass
				0	3.85	-23.546	-0.0284	-2.5 to 2.5	Pass

				10	3.85	-31.171	-0.0376	-2.5 to 2.5	Pass
				30	3.85	-37.923	-0.0457	-2.5 to 2.5	Pass
				40	3.85	-43.359	-0.0523	-2.5 to 2.5	Pass
				50	3.85	1.931	0.0023	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	15.850	0.0189	-2.5 to 2.5	Pass
					3.85	-17.209	-0.0206	-2.5 to 2.5	Pass
					4.43	-32.101	-0.0384	-2.5 to 2.5	Pass
				-30	3.85	-40.154	-0.0480	-2.5 to 2.5	Pass
				-20	3.85	-45.104	-0.0539	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.702	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.448	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-14.462	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-17.824	-0.0213	-2.5 to 2.5	Pass
				50	3.85	-21.186	-0.0253	-2.5 to 2.5	Pass
				20	3.27	27.509	0.0326	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0103	-2.5 to 2.5	Pass
					4.43	-10.729	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-39.239	-0.0465	-2.5 to 2.5	Pass
				-20	3.85	-18.897	-0.0224	-2.5 to 2.5	Pass
				-10	3.85	-35.276	-0.0418	-2.5 to 2.5	Pass
				0	3.85	-50.540	-0.0599	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-11.716	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-20.571	-0.0244	-2.5 to 2.5	Pass
				50	3.85	-27.766	-0.0329	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	6.051	0.0073	-2.5 to 2.5	Pass
					3.85	28.768	0.0347	-2.5 to 2.5	Pass
					4.43	41.986	0.0506	-2.5 to 2.5	Pass
				-30	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	4.821	0.0058	-2.5 to 2.5	Pass
				-10	3.85	6.366	0.0077	-2.5 to 2.5	Pass
				0	3.85	10.414	0.0126	-2.5 to 2.5	Pass
				10	3.85	11.902	0.0144	-2.5 to 2.5	Pass
				30	3.85	14.706	0.0177	-2.5 to 2.5	Pass
				40	3.85	14.791	0.0178	-2.5 to 2.5	Pass
				50	3.85	14.563	0.0176	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-8.783	-0.0105	-2.5 to 2.5	Pass
					3.85	20.771	0.0248	-2.5 to 2.5	Pass
					4.43	38.080	0.0455	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0014	-2.5 to 2.5	Pass
				-20	3.85	9.441	0.0113	-2.5 to 2.5	Pass
				-10	3.85	16.508	0.0197	-2.5 to 2.5	Pass
				0	3.85	20.957	0.0251	-2.5 to 2.5	Pass
				10	3.85	24.633	0.0294	-2.5 to 2.5	Pass
				30	3.85	28.839	0.0345	-2.5 to 2.5	Pass
				40	3.85	32.201	0.0385	-2.5 to 2.5	Pass
				50	3.85	34.933	0.0418	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-22.645	-0.0268	-2.5 to 2.5	Pass
					3.85	0.501	0.0006	-2.5 to 2.5	Pass
					4.43	13.676	0.0162	-2.5 to 2.5	Pass
				-30	3.85	19.584	0.0232	-2.5 to 2.5	Pass
				-20	3.85	24.891	0.0295	-2.5 to 2.5	Pass
				-10	3.85	27.480	0.0326	-2.5 to 2.5	Pass
				0	3.85	30.470	0.0361	-2.5 to 2.5	Pass
				10	3.85	30.556	0.0362	-2.5 to 2.5	Pass
				30	3.85	29.483	0.0349	-2.5 to 2.5	Pass
				40	3.85	31.915	0.0378	-2.5 to 2.5	Pass
				50	3.85	34.876	0.0413	-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

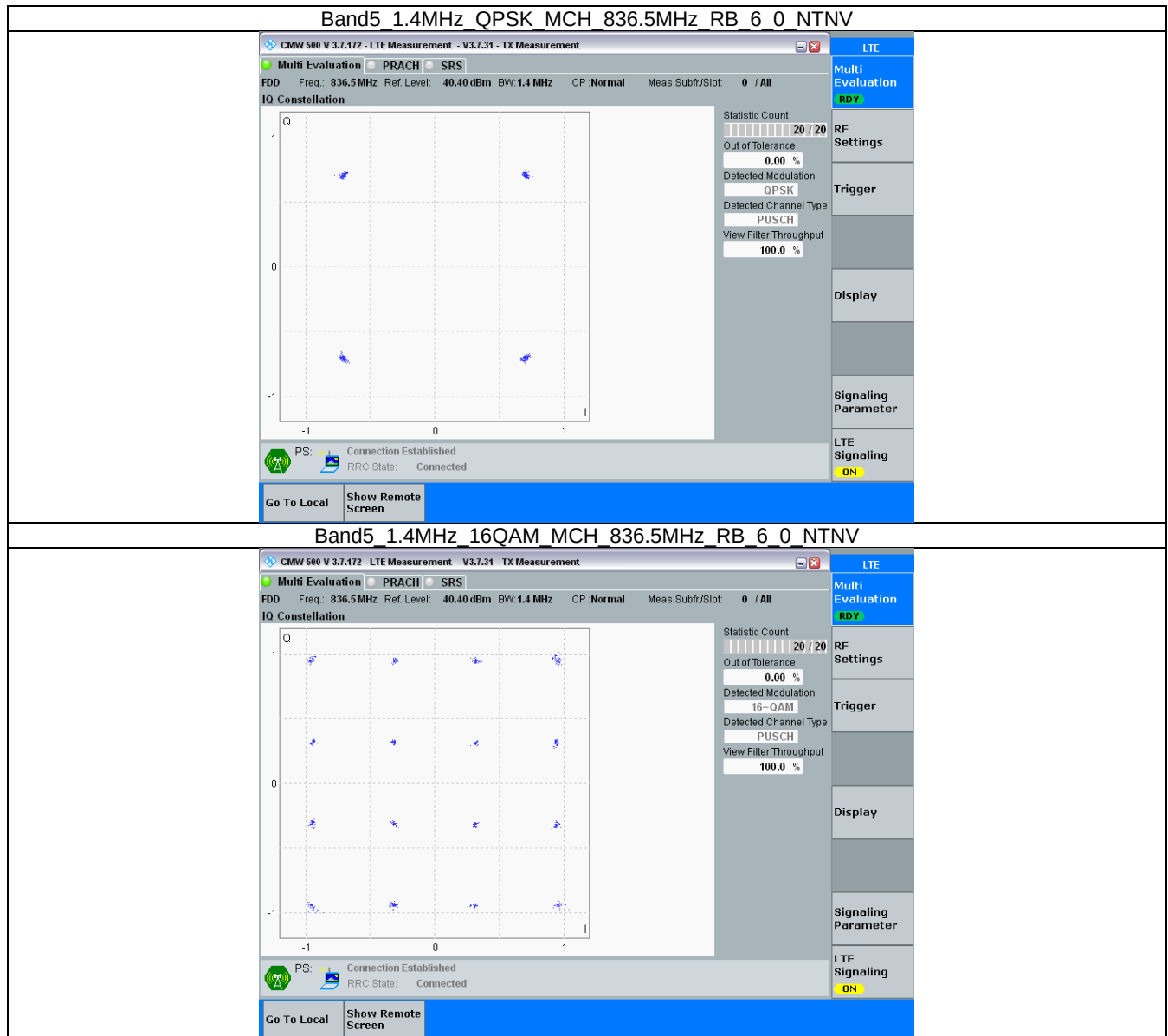
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

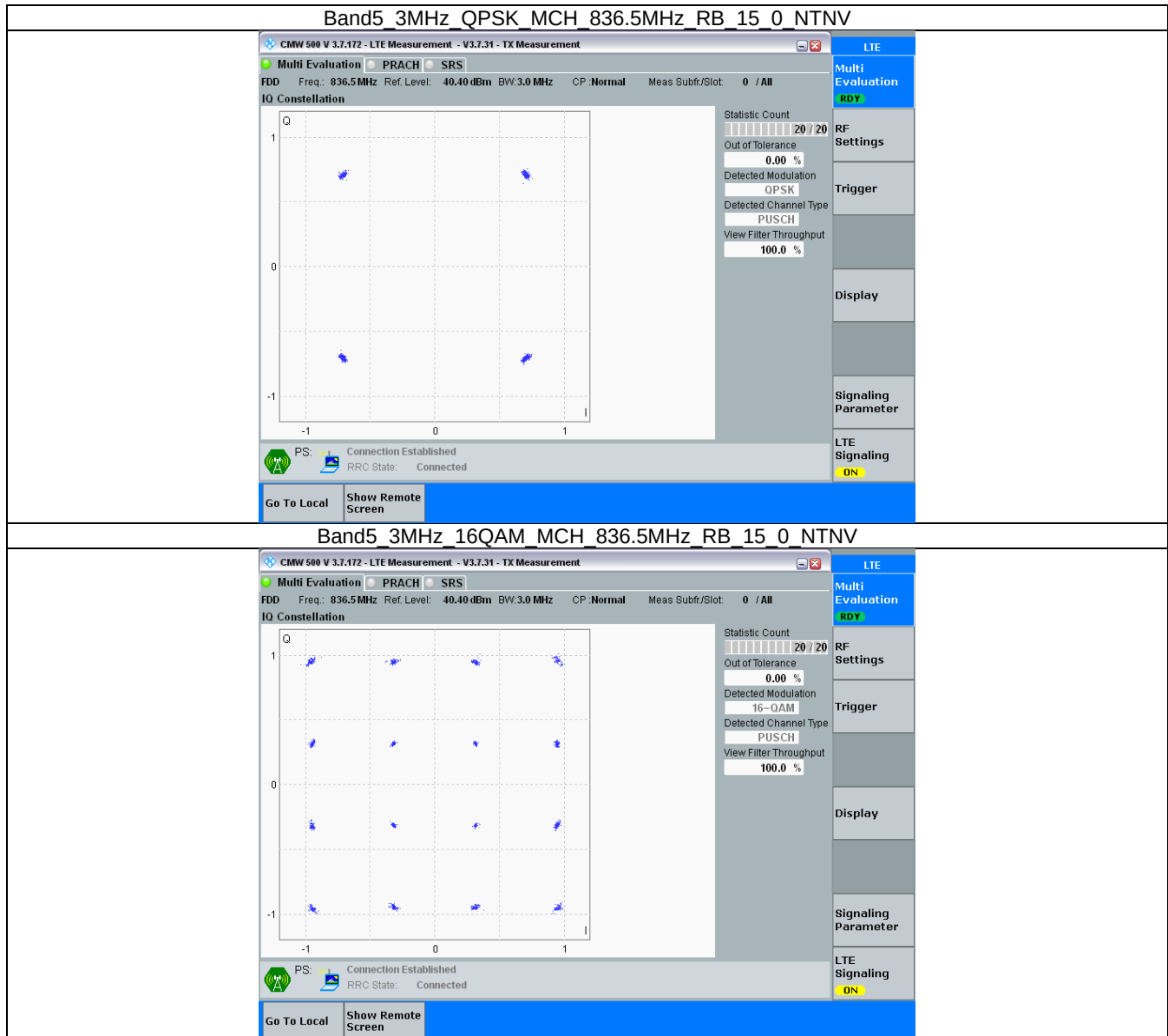
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

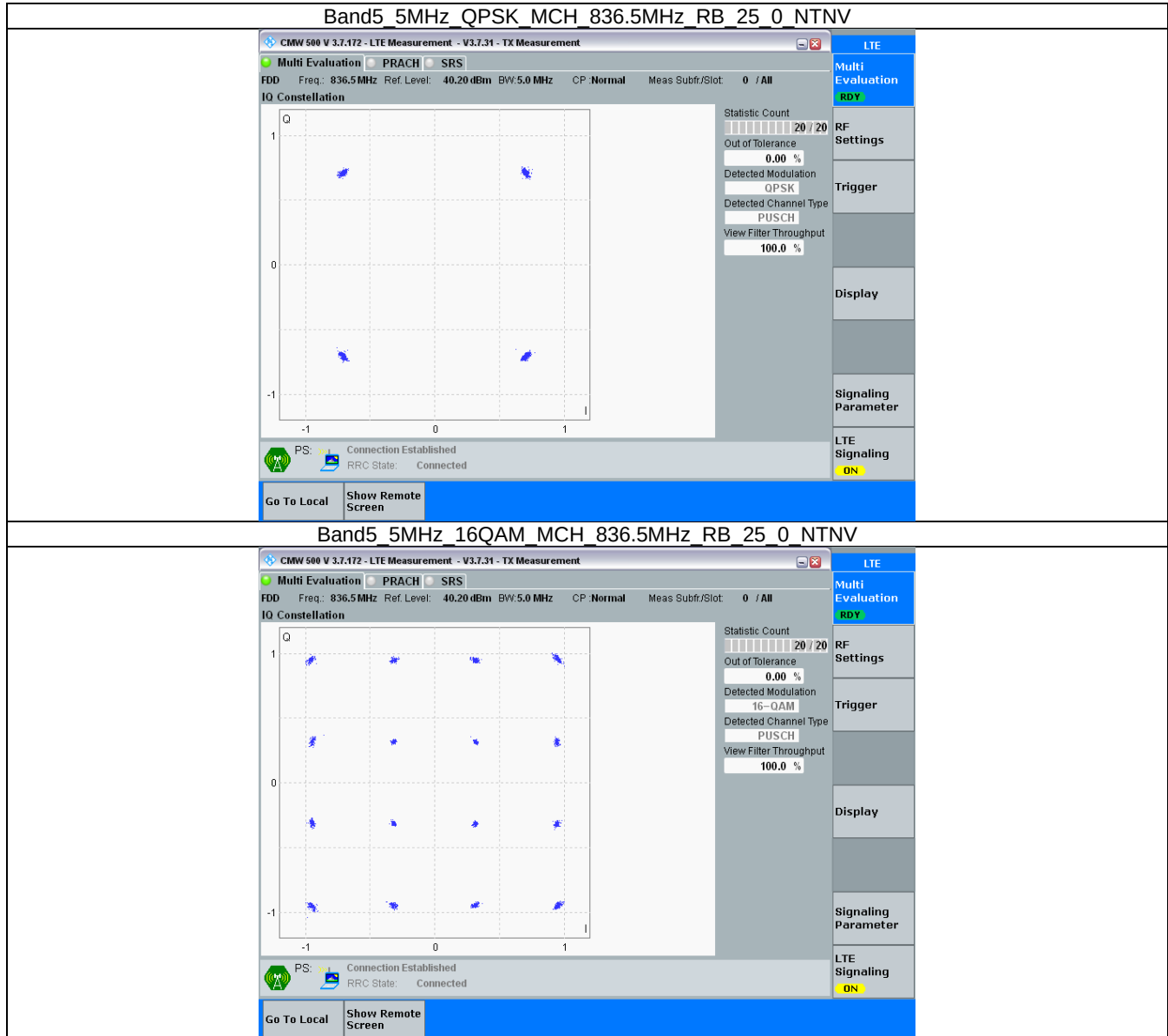
3.2.1 B5_1.4MHz



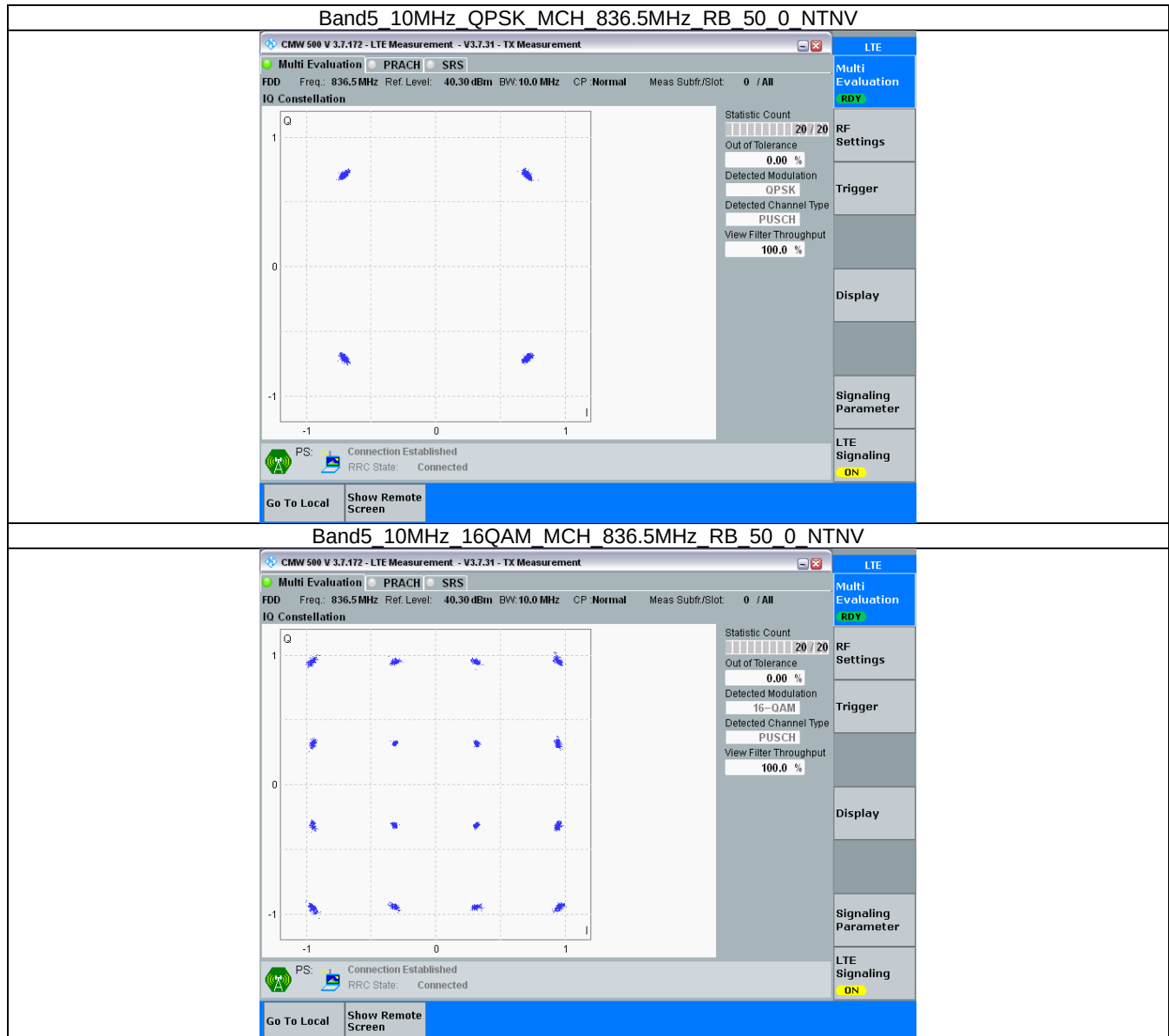
3.2.2 B5_3MHz



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 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.116	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.115	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.122	/	Pass
		848.3	6	0	1.114	/	Pass
3	QPSK	825.5	15	0	2.761	/	Pass
		836.5	15	0	2.762	/	Pass
		847.5	15	0	2.749	/	Pass
	16QAM	825.5	15	0	2.750	/	Pass
		836.5	15	0	2.749	/	Pass
		847.5	15	0	2.744	/	Pass
5	QPSK	826.5	25	0	4.547	/	Pass
		836.5	25	0	4.530	/	Pass
		846.5	25	0	4.538	/	Pass
	16QAM	826.5	25	0	4.555	/	Pass
		836.5	25	0	4.538	/	Pass
		846.5	25	0	4.525	/	Pass
10	QPSK	829	50	0	9.090	/	Pass
		836.5	50	0	9.080	/	Pass
		844	50	0	9.027	/	Pass
	16QAM	829	50	0	9.054	/	Pass
		836.5	50	0	9.056	/	Pass
		844	50	0	9.059	/	Pass

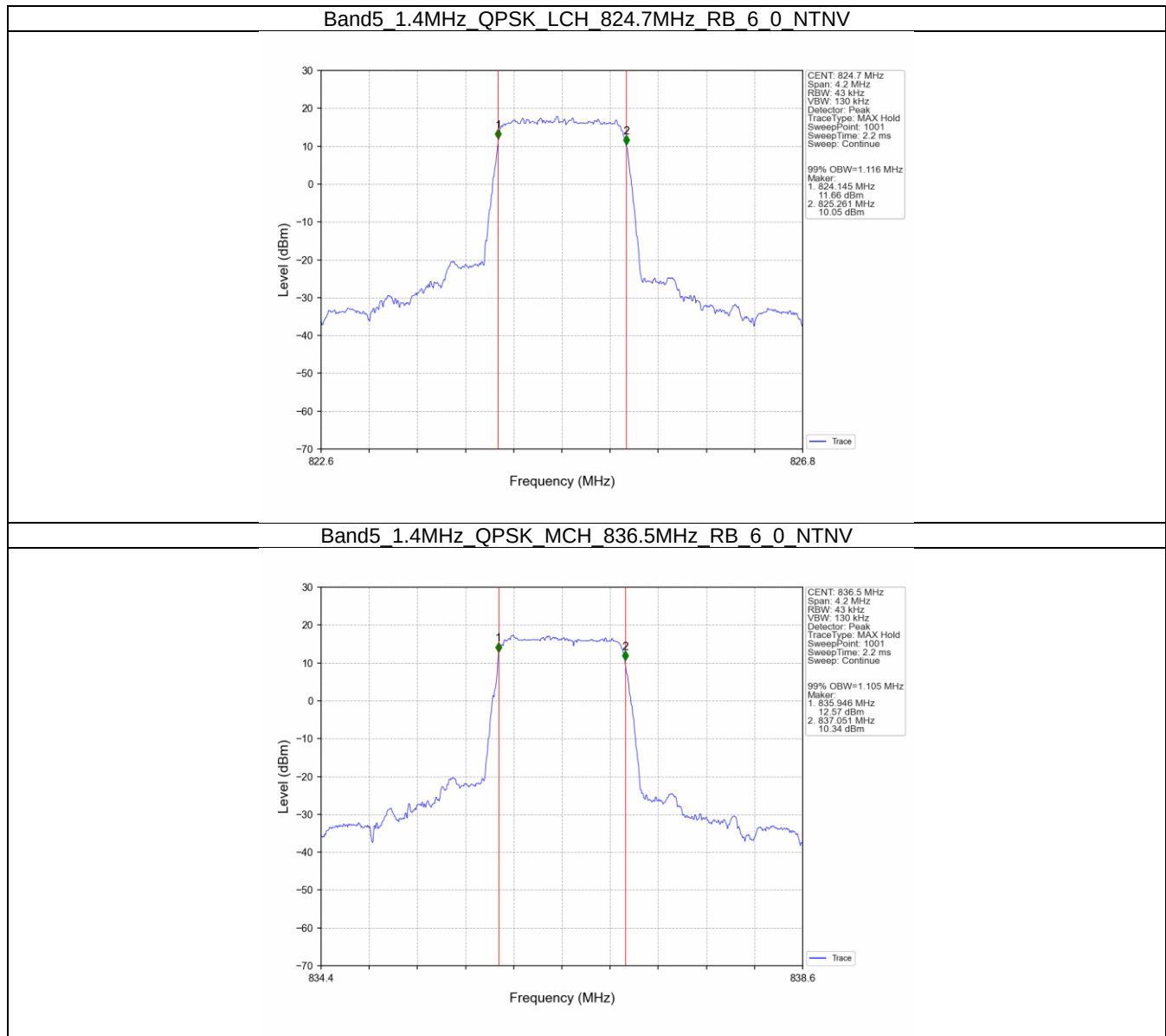
4.1.2 Band5_XDB

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.274	/	Pass
		836.5	6	0	1.269	/	Pass
		848.3	6	0	1.275	/	Pass
	16QAM	824.7	6	0	1.267	/	Pass
		836.5	6	0	1.274	/	Pass
		848.3	6	0	1.269	/	Pass
3	QPSK	825.5	15	0	3.079	/	Pass
		836.5	15	0	3.098	/	Pass
		847.5	15	0	3.101	/	Pass
	16QAM	825.5	15	0	3.073	/	Pass
		836.5	15	0	3.111	/	Pass
		847.5	15	0	3.075	/	Pass
5	QPSK	826.5	25	0	5.040	/	Pass
		836.5	25	0	5.046	/	Pass
		846.5	25	0	5.051	/	Pass

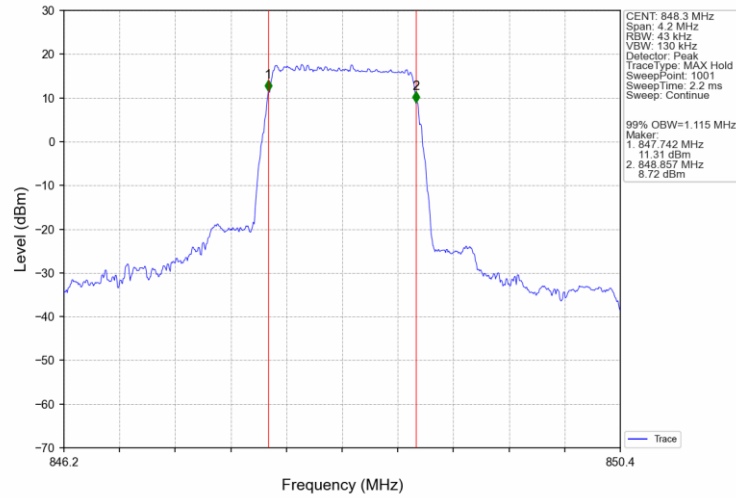
10	16QAM	826.5	25	0	5.044	/	Pass
		836.5	25	0	5.051	/	Pass
		846.5	25	0	5.067	/	Pass
	QPSK	829	50	0	10.024	/	Pass
		836.5	50	0	10.031	/	Pass
		844	50	0	10.031	/	Pass
	16QAM	829	50	0	10.004	/	Pass
		836.5	50	0	9.955	/	Pass
		844	50	0	10.038	/	Pass

4.2 Test Graph

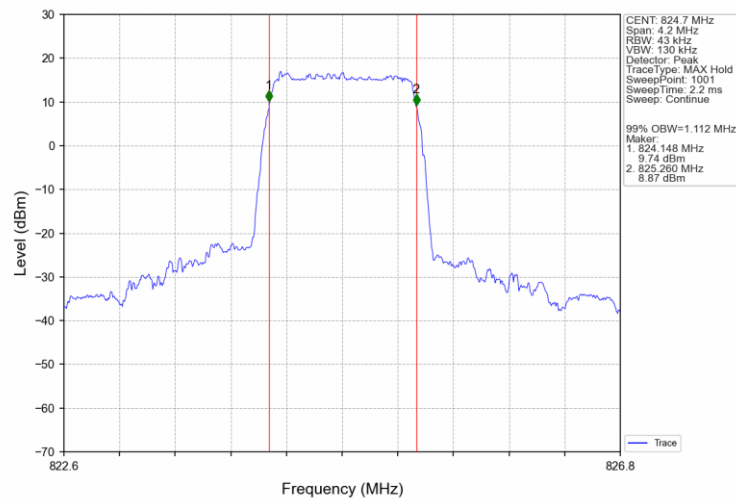
4.2.1 Band5_OBW



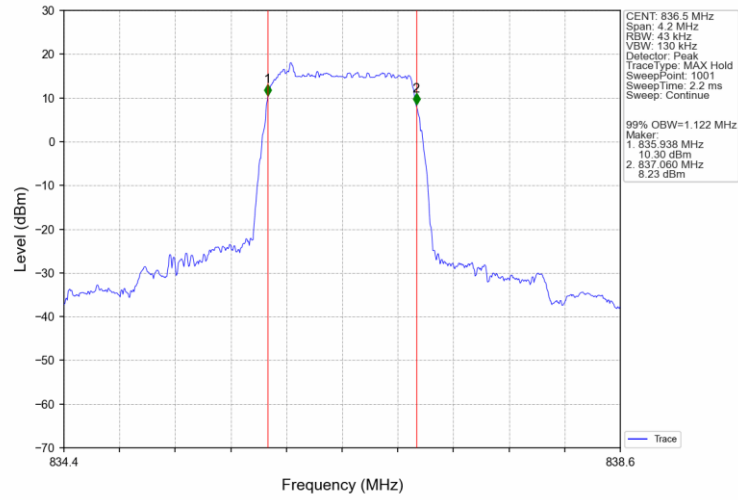
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



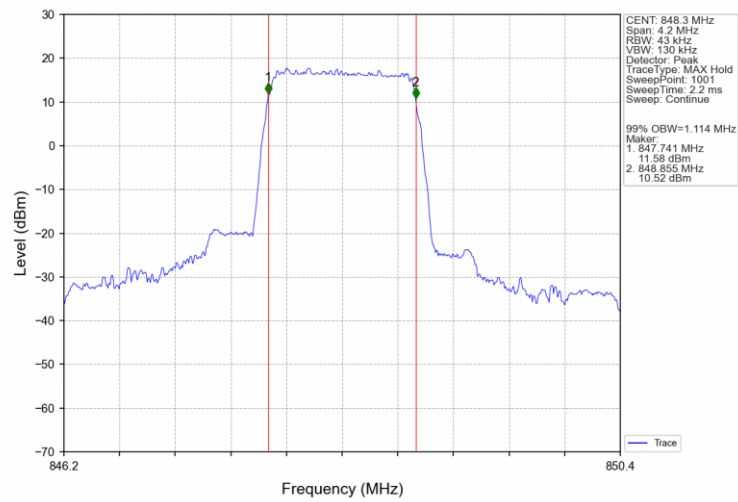
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



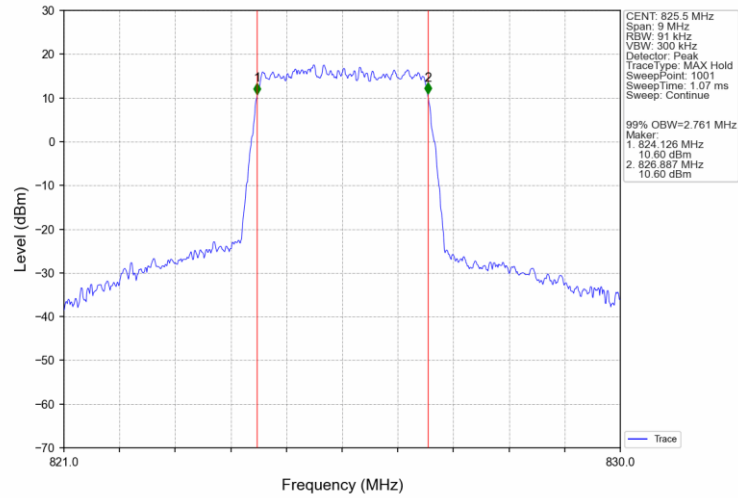
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



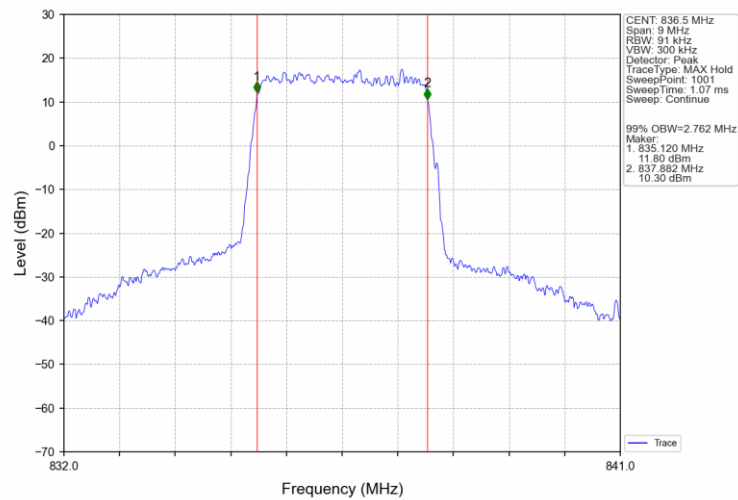
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



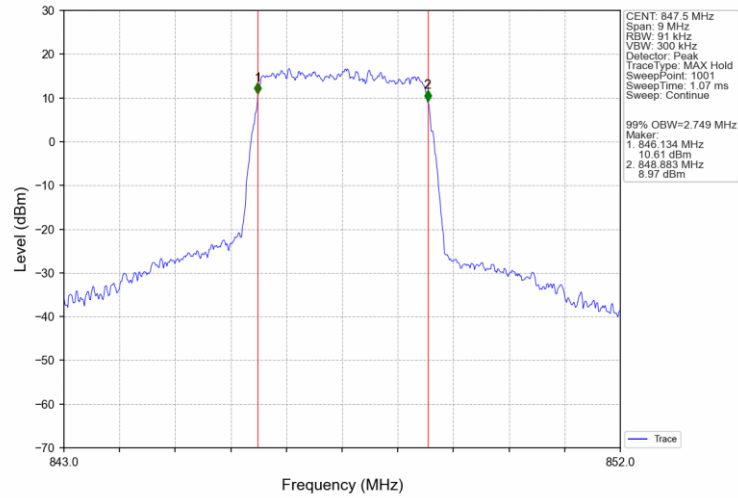
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



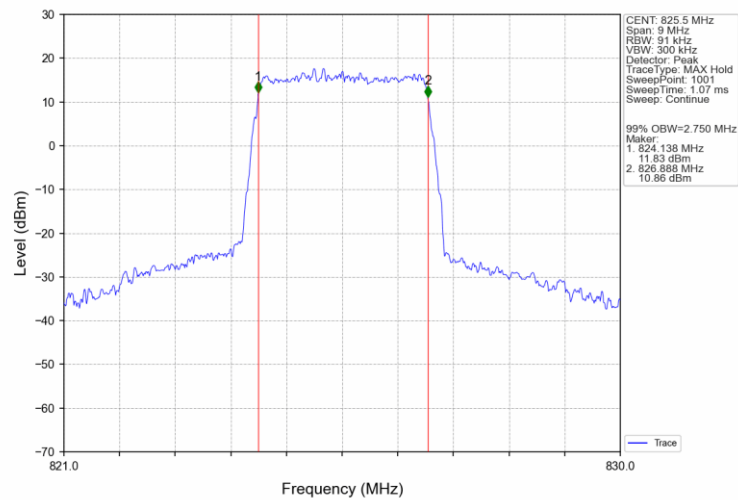
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



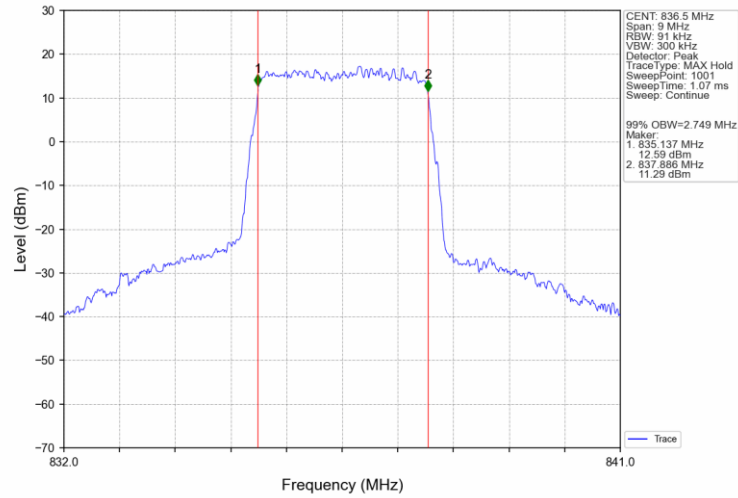
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



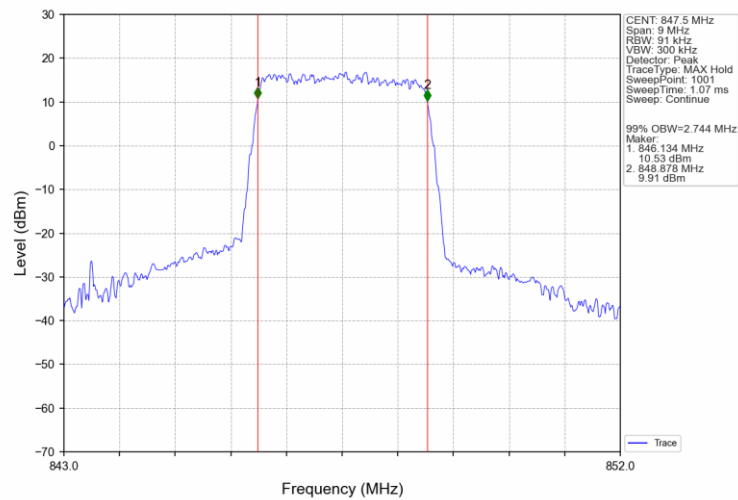
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



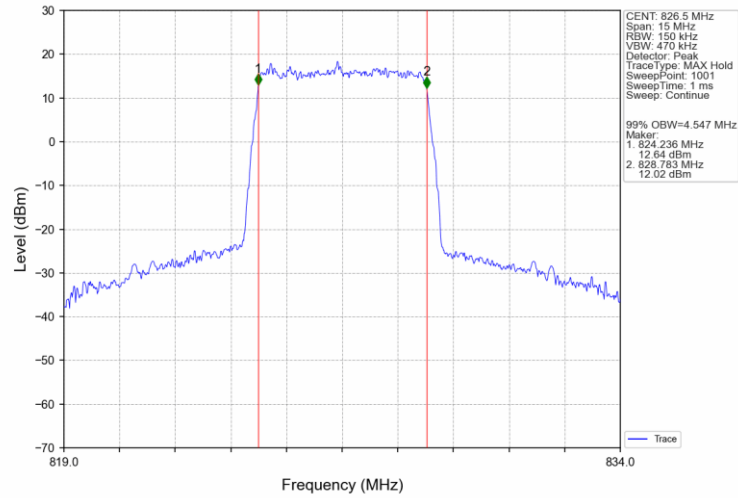
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



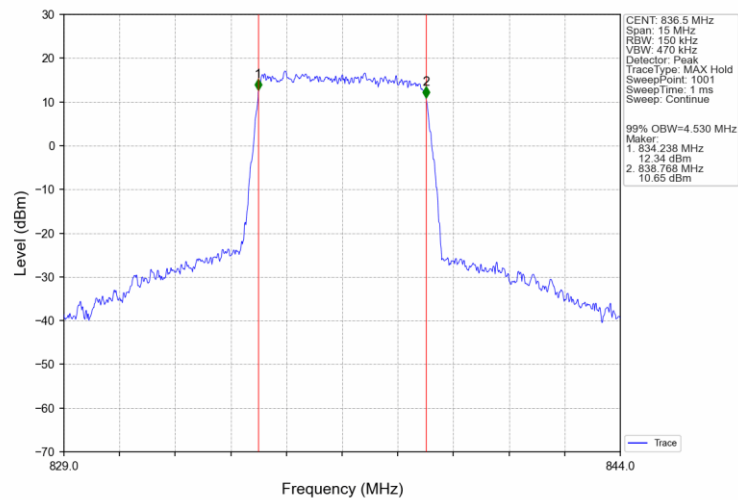
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



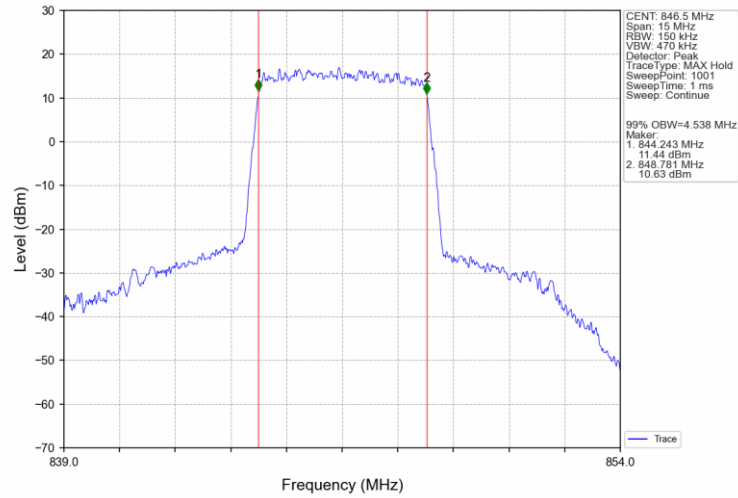
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



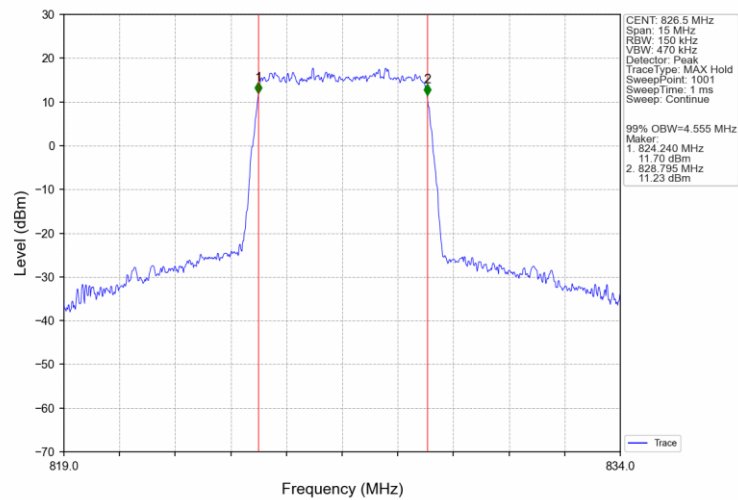
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



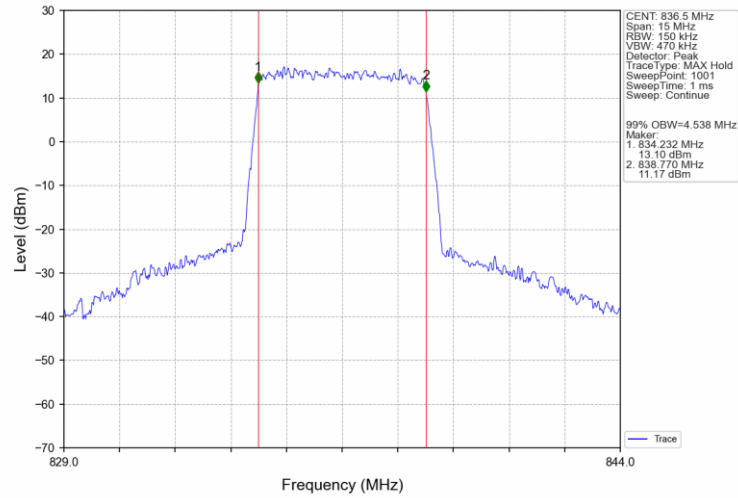
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



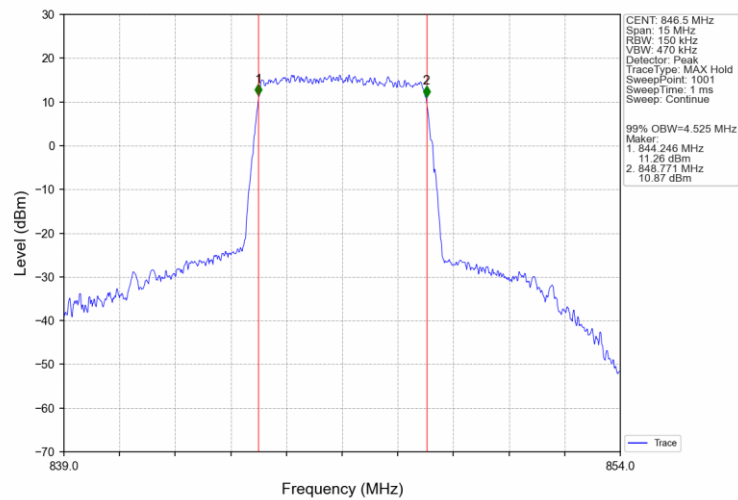
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



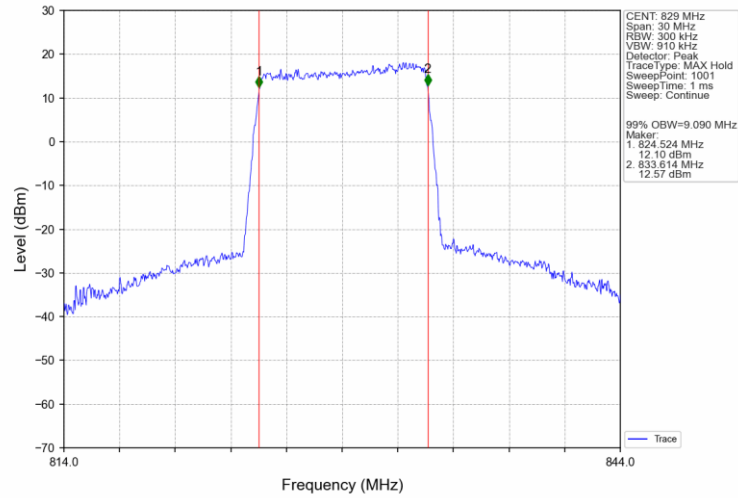
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



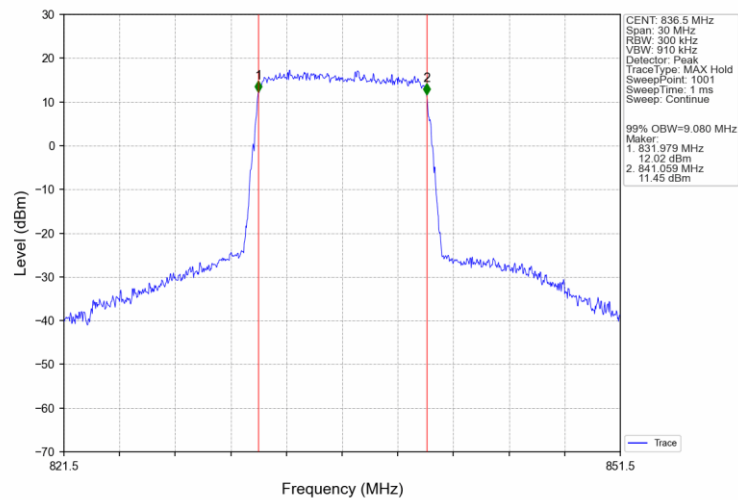
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



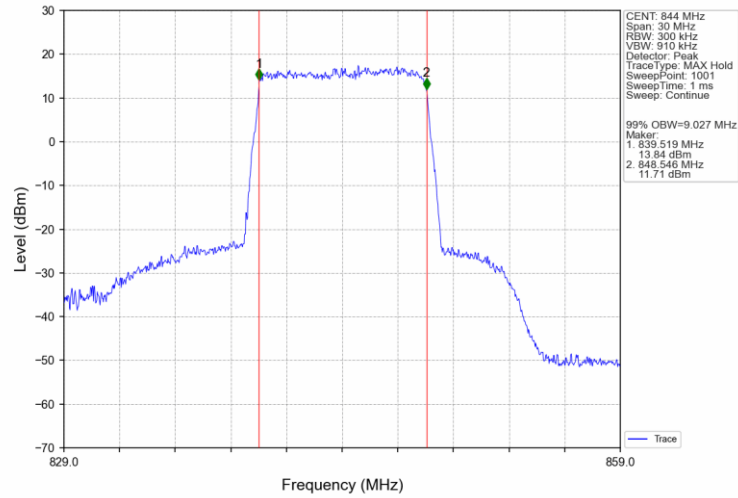
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



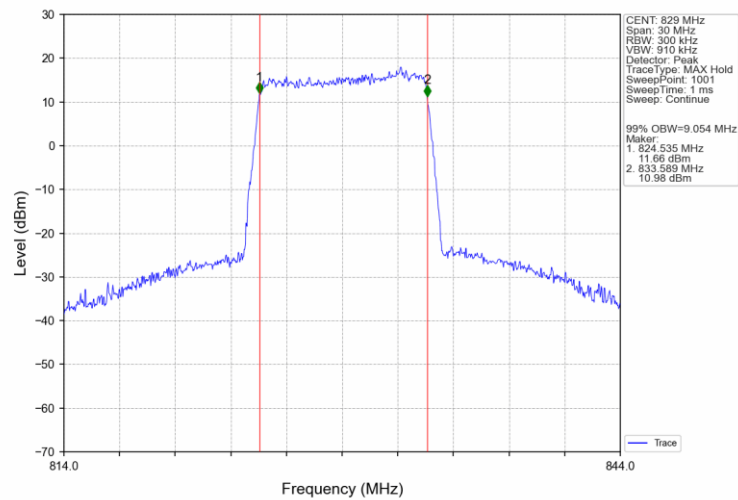
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



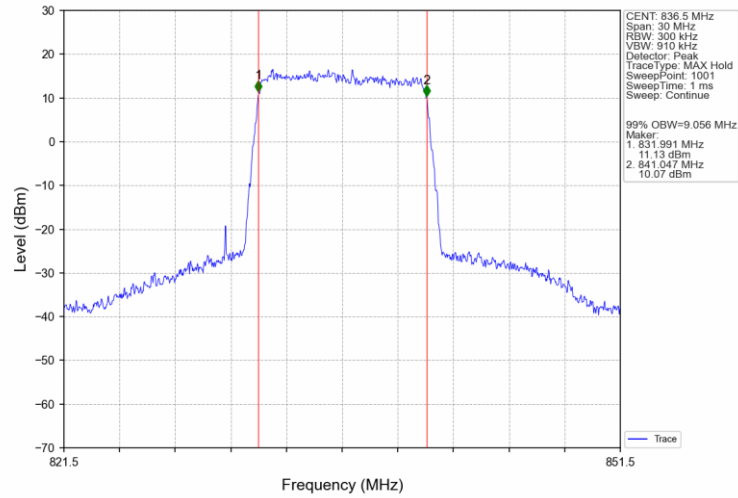
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



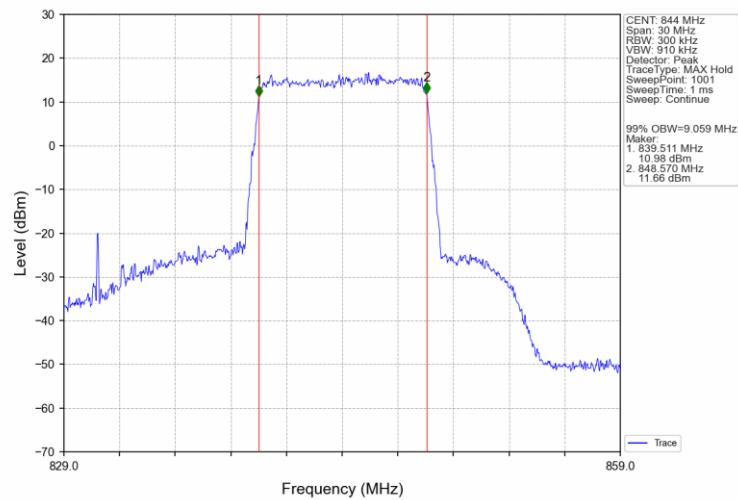
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

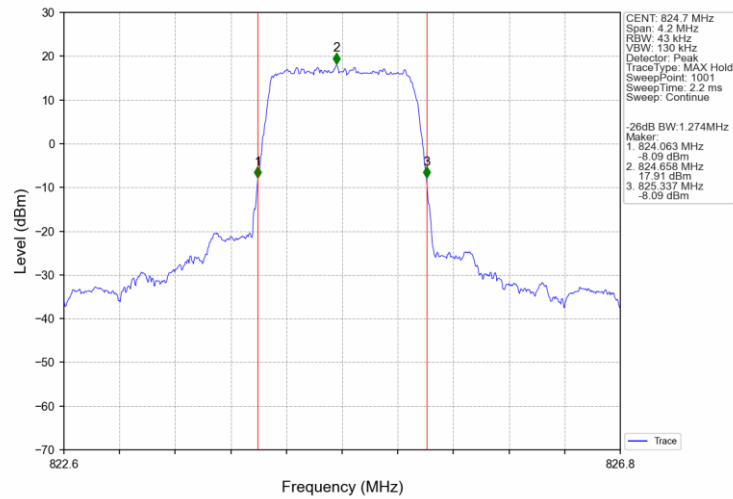


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

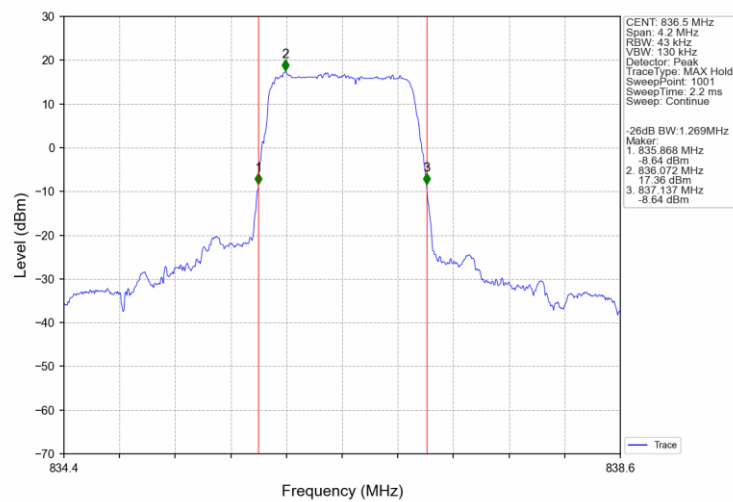


4.2.2 Band5_XDB

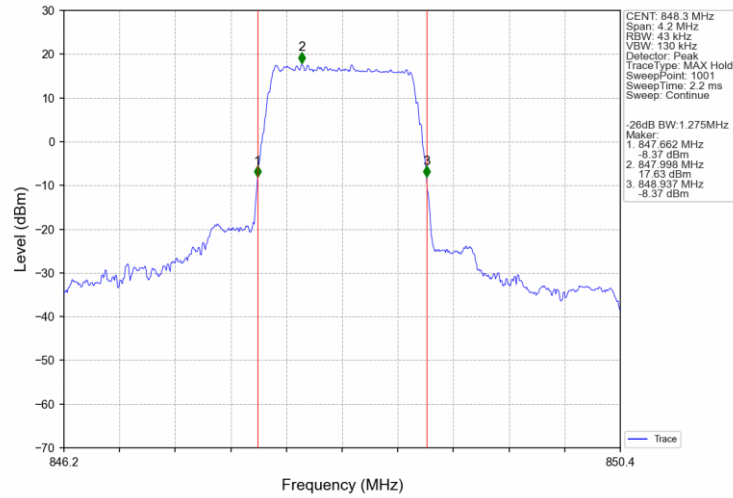
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



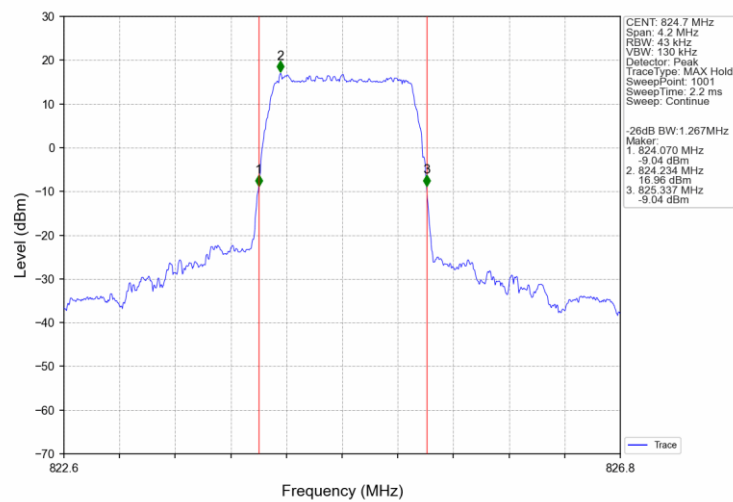
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



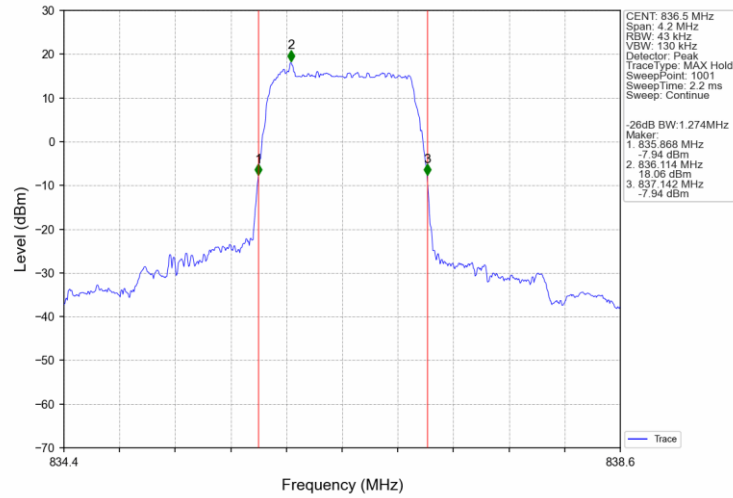
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



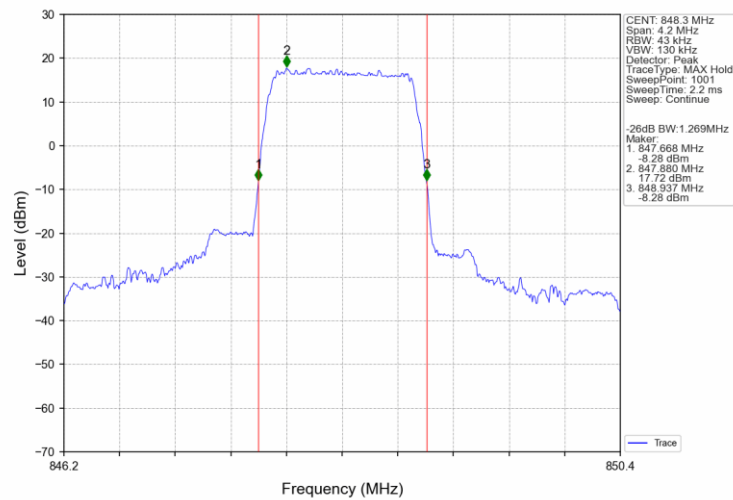
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



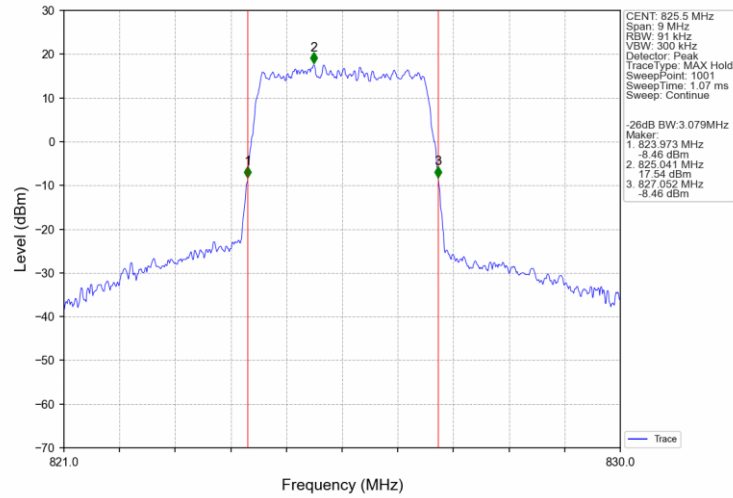
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



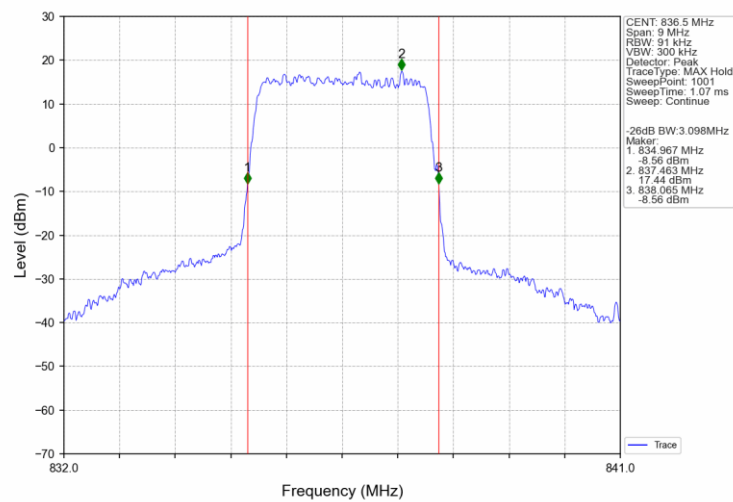
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



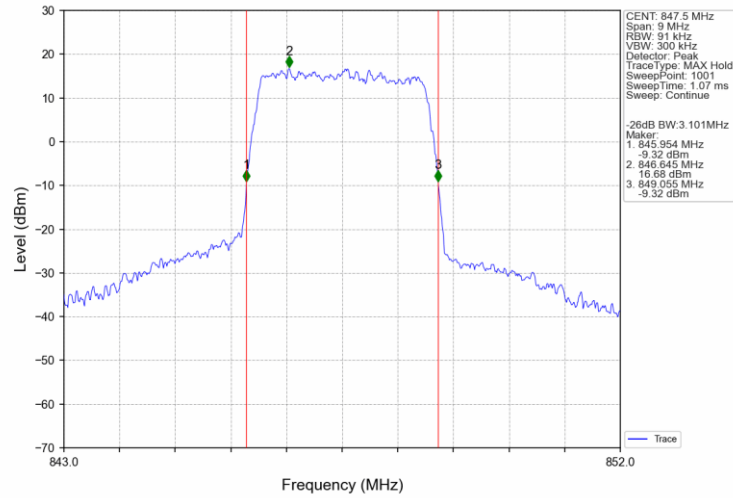
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



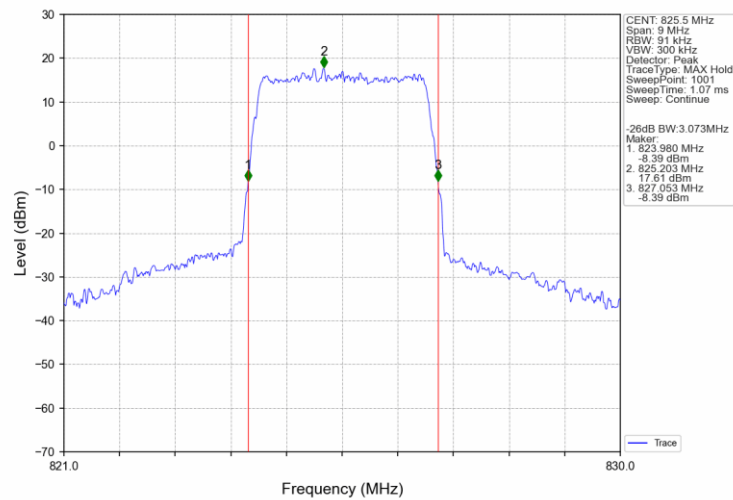
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



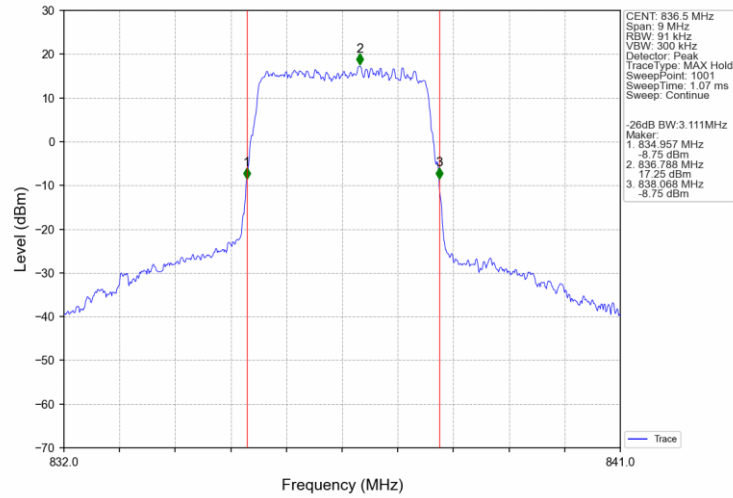
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



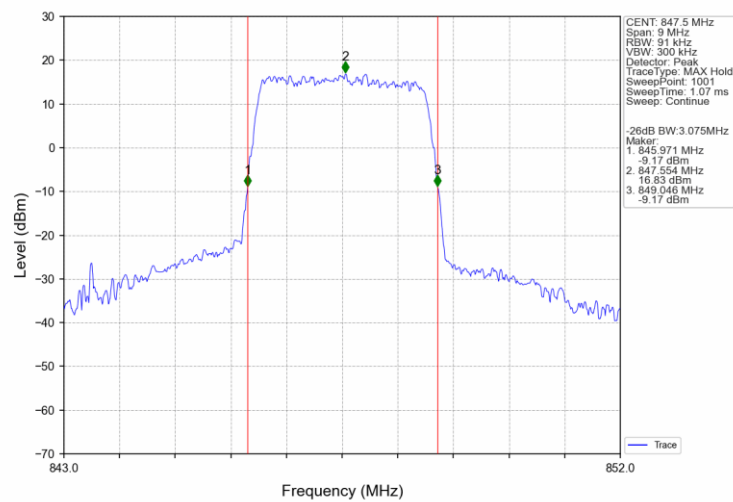
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



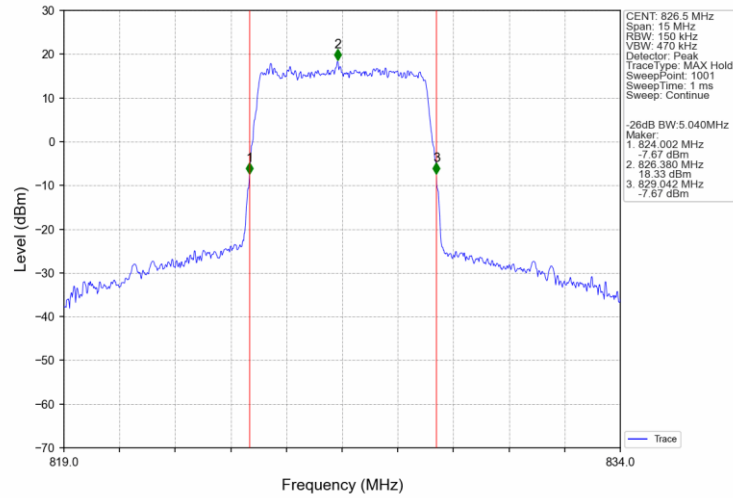
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



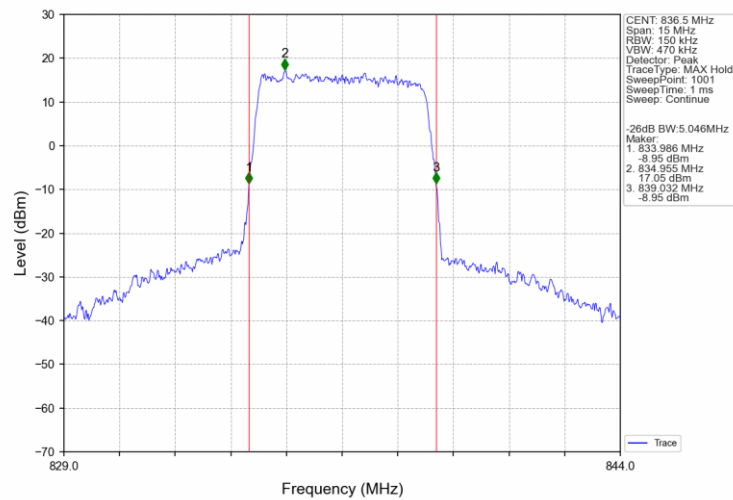
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



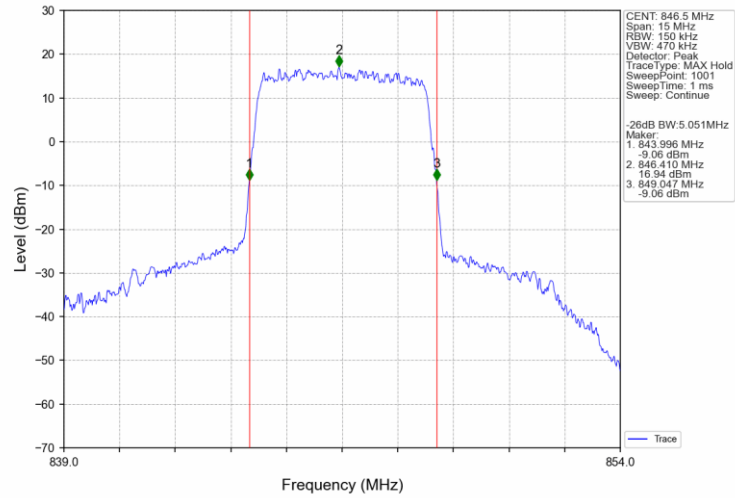
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



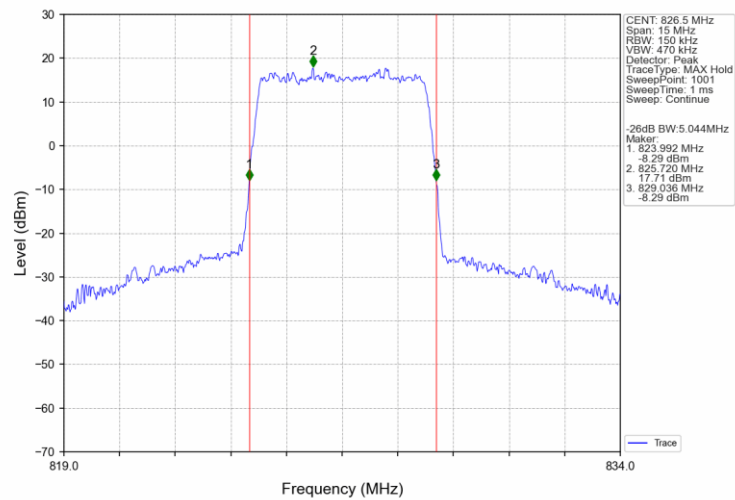
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



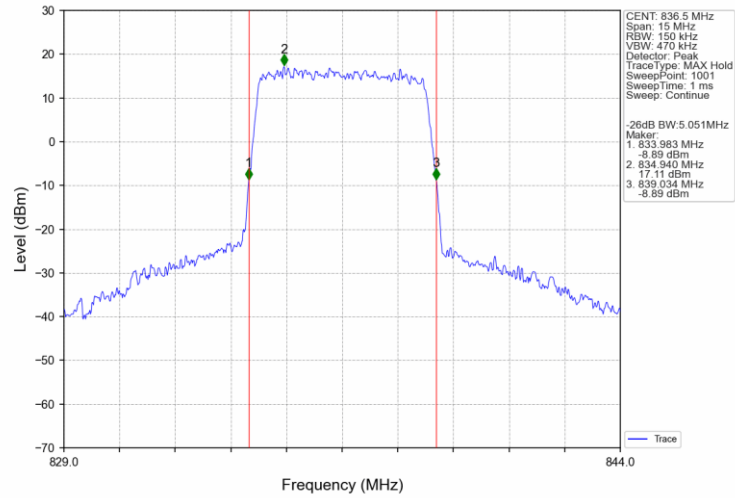
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



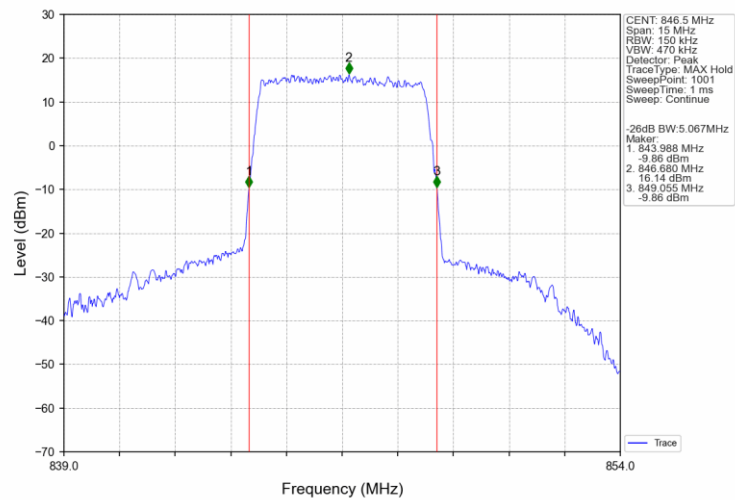
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



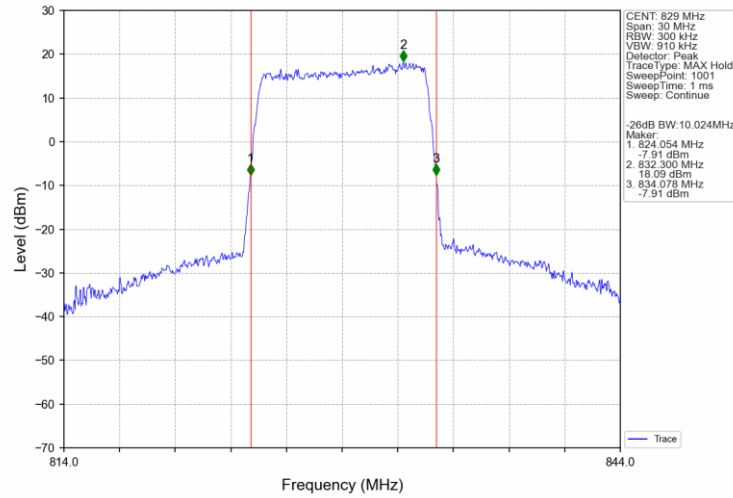
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



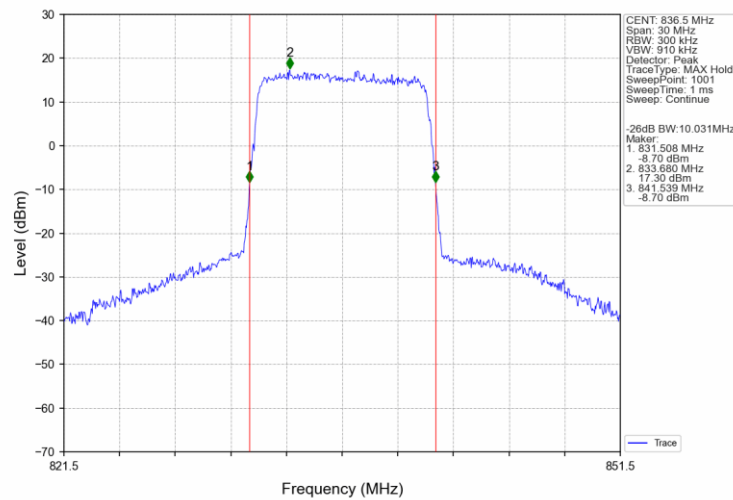
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



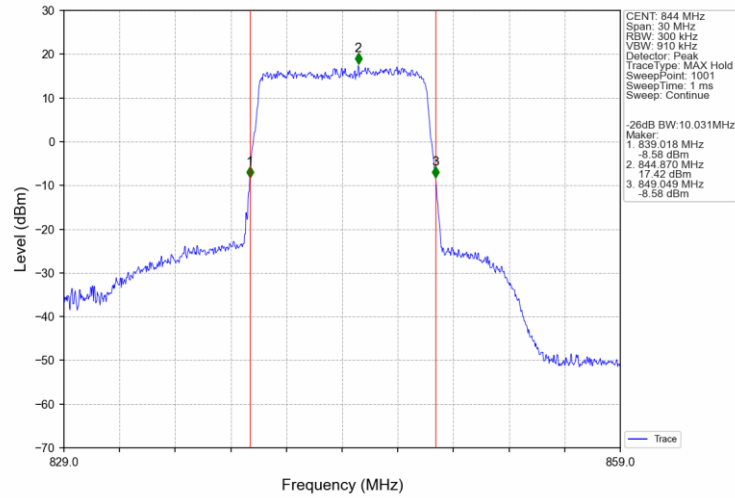
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



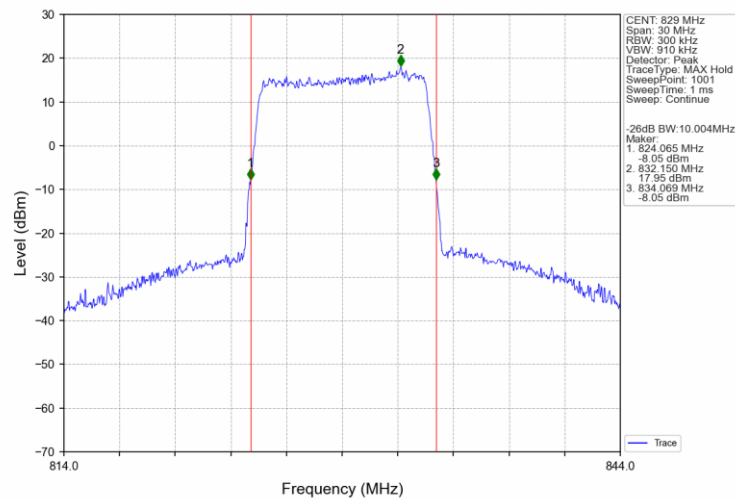
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



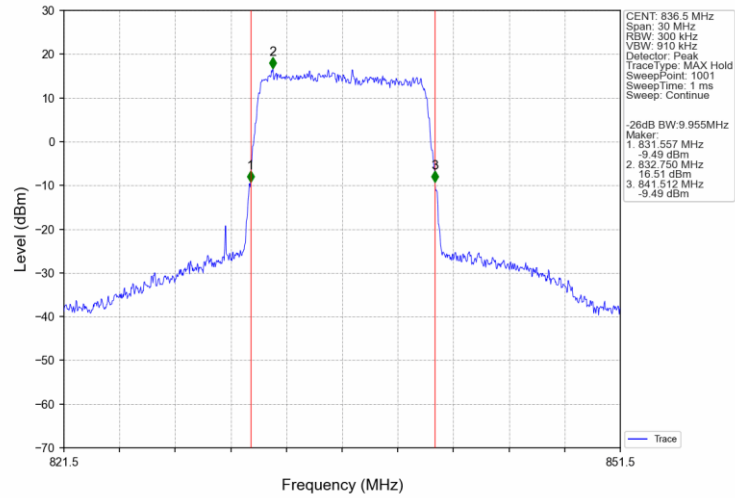
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



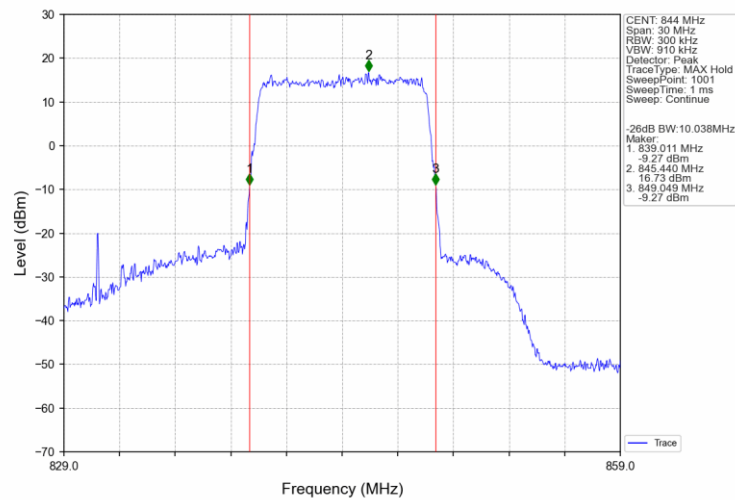
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.95	<=13	Pass
	836.5	6	0	5.95	<=13	Pass
	848.3	6	0	5.93	<=13	Pass
16QAM	824.7	6	0	6.66	<=13	Pass
	836.5	6	0	6.87	<=13	Pass
	848.3	6	0	6.67	<=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	5.97	<=13	Pass
	836.5	15	0	5.96	<=13	Pass
	847.5	15	0	5.90	<=13	Pass
16QAM	825.5	15	0	6.76	<=13	Pass
	836.5	15	0	6.74	<=13	Pass
	847.5	15	0	6.78	<=13	Pass

5.1.3 B5_5MHz

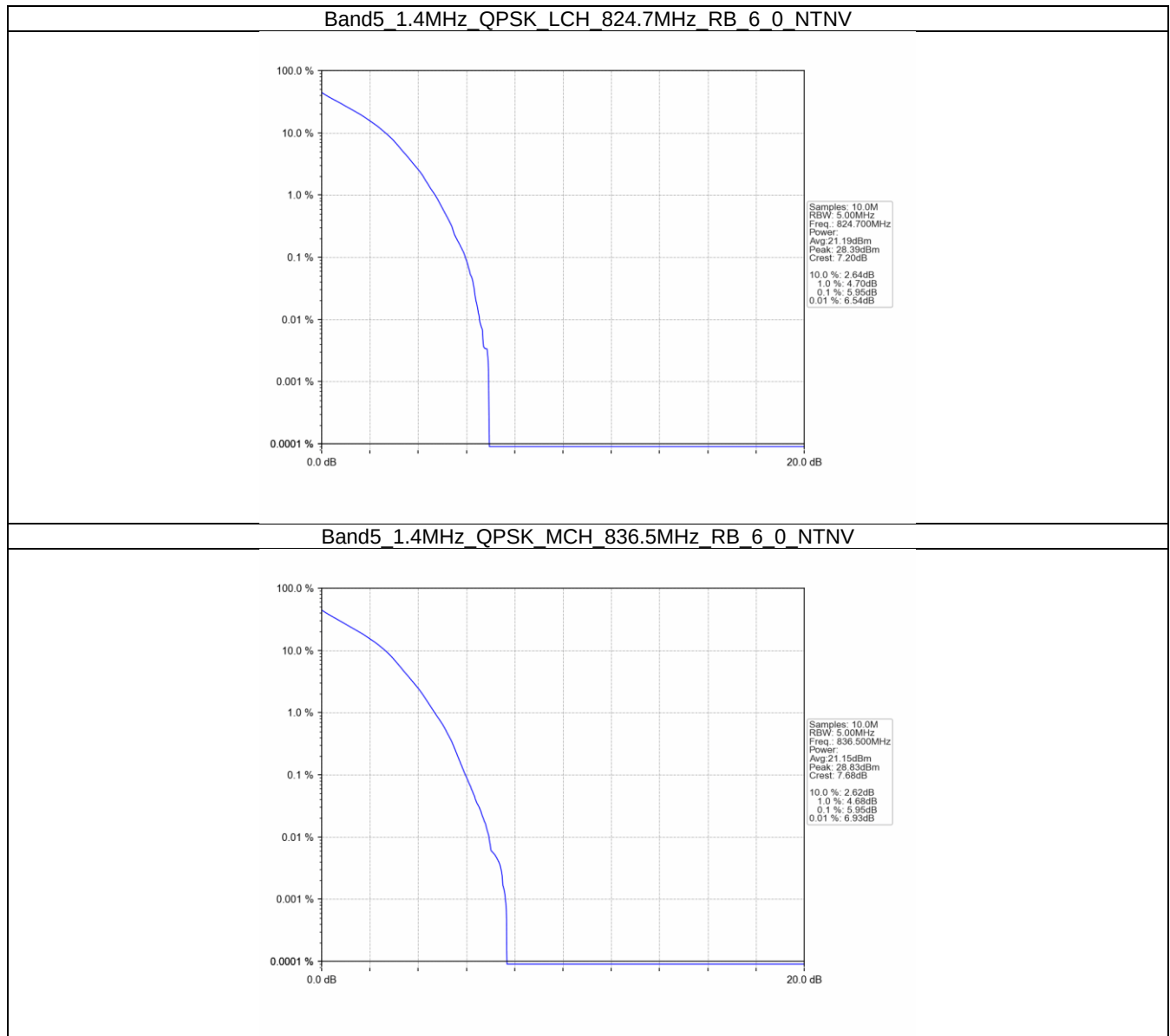
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.87	<=13	Pass
	836.5	25	0	5.85	<=13	Pass
	846.5	25	0	5.83	<=13	Pass
16QAM	826.5	25	0	6.55	<=13	Pass
	836.5	25	0	6.68	<=13	Pass
	846.5	25	0	6.56	<=13	Pass

5.1.4 B5_10MHz

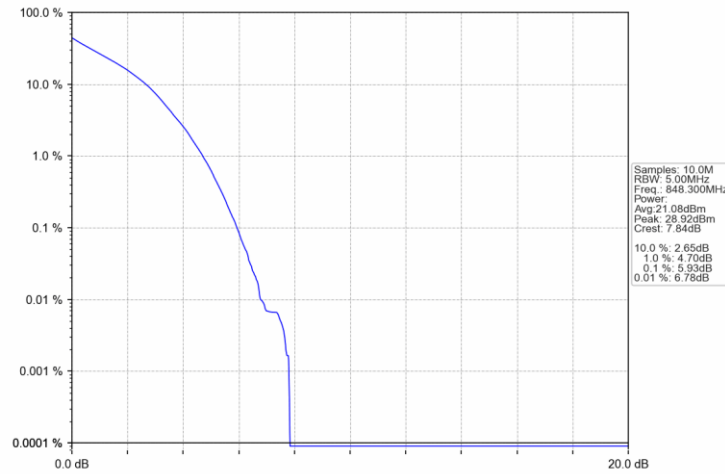
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.92	<=13	Pass
	836.5	50	0	5.79	<=13	Pass
	844	50	0	5.88	<=13	Pass
16QAM	829	50	0	6.59	<=13	Pass
	836.5	50	0	6.58	<=13	Pass
	844	50	0	6.65	<=13	Pass

5.2 Test Graph

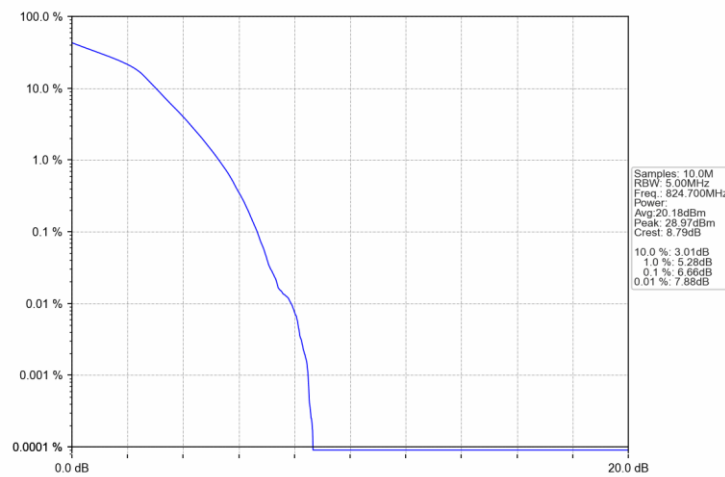
5.2.1 B5_1.4MHz



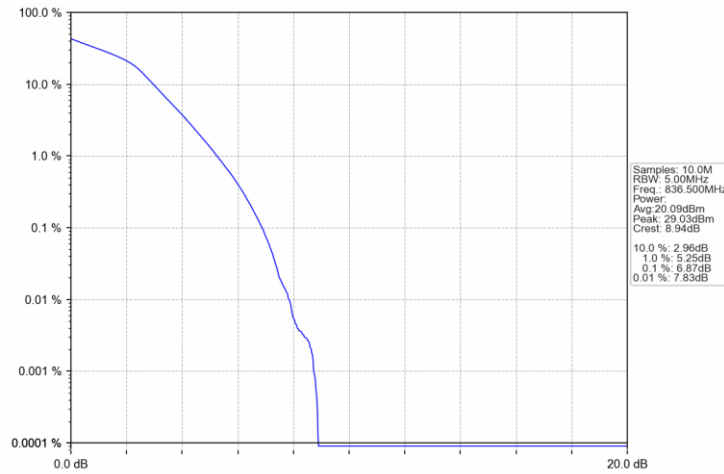
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



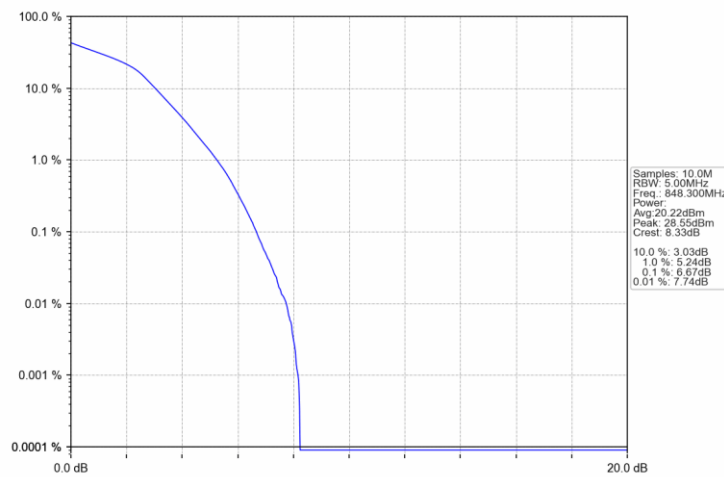
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

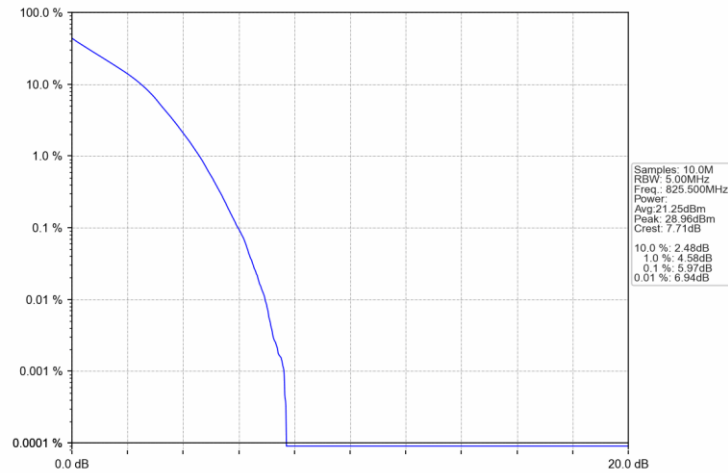


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

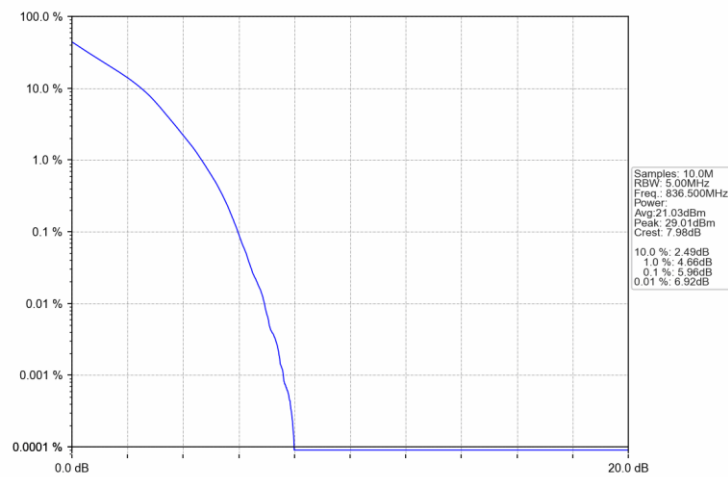


5.2.2 B5_3MHz

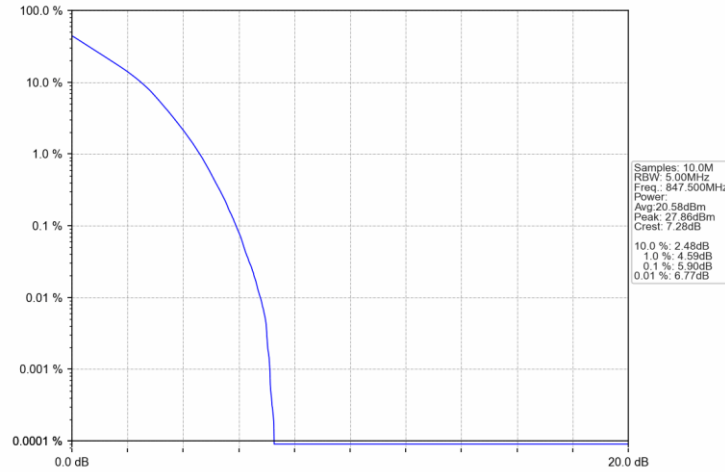
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

