

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.82	-1.13	20.54	<=38.45	Pass
			2	24.03	-1.13	20.75	<=38.45	Pass
			5	23.83	-1.13	20.55	<=38.45	Pass
		3	0	23.99	-1.13	20.71	<=38.45	Pass
			2	23.98	-1.13	20.70	<=38.45	Pass
			3	24.01	-1.13	20.73	<=38.45	Pass
		6	0	22.89	-1.13	19.61	<=38.45	Pass
	836.5	1	0	23.88	-1.13	20.60	<=38.45	Pass
			2	24.10	-1.13	20.82	<=38.45	Pass
			5	23.89	-1.13	20.61	<=38.45	Pass
		3	0	24.00	-1.13	20.72	<=38.45	Pass
			2	23.96	-1.13	20.68	<=38.45	Pass
			3	23.99	-1.13	20.71	<=38.45	Pass
		6	0	22.90	-1.13	19.62	<=38.45	Pass
	848.3	1	0	23.84	-1.13	20.56	<=38.45	Pass
			2	24.10	-1.13	20.82	<=38.45	Pass
			5	23.90	-1.13	20.62	<=38.45	Pass
		3	0	23.93	-1.13	20.65	<=38.45	Pass
			2	23.86	-1.13	20.58	<=38.45	Pass
			3	23.89	-1.13	20.61	<=38.45	Pass
		6	0	22.88	-1.13	19.60	<=38.45	Pass
16QAM	824.7	1	0	22.83	-1.13	19.55	<=38.45	Pass
			2	23.00	-1.13	19.72	<=38.45	Pass
			5	22.84	-1.13	19.56	<=38.45	Pass
		3	0	23.02	-1.13	19.74	<=38.45	Pass
			2	22.96	-1.13	19.68	<=38.45	Pass
			3	23.03	-1.13	19.75	<=38.45	Pass
		6	0	21.97	-1.13	18.69	<=38.45	Pass
	836.5	1	0	23.18	-1.13	19.90	<=38.45	Pass
			2	23.44	-1.13	20.16	<=38.45	Pass
			5	23.16	-1.13	19.88	<=38.45	Pass
		3	0	22.99	-1.13	19.71	<=38.45	Pass
			2	22.96	-1.13	19.68	<=38.45	Pass
			3	23.01	-1.13	19.73	<=38.45	Pass
		6	0	21.89	-1.13	18.61	<=38.45	Pass
	848.3	1	0	22.63	-1.13	19.35	<=38.45	Pass
			2	22.88	-1.13	19.60	<=38.45	Pass
			5	22.66	-1.13	19.38	<=38.45	Pass
		3	0	22.71	-1.13	19.43	<=38.45	Pass
			2	22.65	-1.13	19.37	<=38.45	Pass
			3	22.71	-1.13	19.43	<=38.45	Pass
		6	0	21.84	-1.13	18.56	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.93	-1.13	20.65	<=38.45	Pass
			7	23.83	-1.13	20.55	<=38.45	Pass
			14	23.98	-1.13	20.70	<=38.45	Pass
		8	0	22.89	-1.13	19.61	<=38.45	Pass
			4	22.91	-1.13	19.63	<=38.45	Pass
			7	22.87	-1.13	19.59	<=38.45	Pass
		15	0	22.81	-1.13	19.53	<=38.45	Pass
	836.5	1	0	23.91	-1.13	20.63	<=38.45	Pass
			7	23.82	-1.13	20.54	<=38.45	Pass
			14	23.97	-1.13	20.69	<=38.45	Pass
		8	0	22.81	-1.13	19.53	<=38.45	Pass
			4	22.90	-1.13	19.62	<=38.45	Pass
			7	22.83	-1.13	19.55	<=38.45	Pass
		15	0	22.85	-1.13	19.57	<=38.45	Pass
	847.5	1	0	23.82	-1.13	20.54	<=38.45	Pass
			7	23.69	-1.13	20.41	<=38.45	Pass
			14	23.85	-1.13	20.57	<=38.45	Pass
		8	0	22.84	-1.13	19.56	<=38.45	Pass
			4	22.87	-1.13	19.59	<=38.45	Pass
			7	22.85	-1.13	19.57	<=38.45	Pass
		15	0	22.79	-1.13	19.51	<=38.45	Pass
16QAM	825.5	1	0	23.19	-1.13	19.91	<=38.45	Pass
			7	23.11	-1.13	19.83	<=38.45	Pass
			14	23.29	-1.13	20.01	<=38.45	Pass
		8	0	21.93	-1.13	18.65	<=38.45	Pass
			4	21.97	-1.13	18.69	<=38.45	Pass
			7	21.89	-1.13	18.61	<=38.45	Pass
		15	0	21.88	-1.13	18.60	<=38.45	Pass
	836.5	1	0	22.81	-1.13	19.53	<=38.45	Pass
			7	22.68	-1.13	19.40	<=38.45	Pass
			14	22.80	-1.13	19.52	<=38.45	Pass
		8	0	21.81	-1.13	18.53	<=38.45	Pass
			4	21.87	-1.13	18.59	<=38.45	Pass
			7	21.83	-1.13	18.55	<=38.45	Pass
		15	0	21.87	-1.13	18.59	<=38.45	Pass
	847.5	1	0	22.80	-1.13	19.52	<=38.45	Pass
			7	22.68	-1.13	19.40	<=38.45	Pass
			14	22.74	-1.13	19.46	<=38.45	Pass
		8	0	21.80	-1.13	18.52	<=38.45	Pass
			4	21.85	-1.13	18.57	<=38.45	Pass
			7	21.77	-1.13	18.49	<=38.45	Pass
		15	0	21.75	-1.13	18.47	<=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	23.73	-1.13	20.45	<=38.45	Pass
			13	23.86	-1.13	20.58	<=38.45	Pass
			24	23.74	-1.13	20.46	<=38.45	Pass
		12	0	22.78	-1.13	19.50	<=38.45	Pass
			6	22.85	-1.13	19.57	<=38.45	Pass
			13	22.79	-1.13	19.51	<=38.45	Pass
		25	0	22.82	-1.13	19.54	<=38.45	Pass
			0	23.73	-1.13	20.45	<=38.45	Pass
			13	23.83	-1.13	20.55	<=38.45	Pass
	836.5	1	24	23.73	-1.13	20.45	<=38.45	Pass
			0	22.72	-1.13	19.44	<=38.45	Pass
			6	22.86	-1.13	19.58	<=38.45	Pass
		12	13	22.82	-1.13	19.54	<=38.45	Pass
			0	22.83	-1.13	19.55	<=38.45	Pass
			0	23.68	-1.13	20.40	<=38.45	Pass
		25	13	23.78	-1.13	20.50	<=38.45	Pass
			24	23.72	-1.13	20.44	<=38.45	Pass
			0	22.80	-1.13	19.52	<=38.45	Pass
16QAM	826.5	1	6	22.83	-1.13	19.55	<=38.45	Pass
			13	22.79	-1.13	19.51	<=38.45	Pass
			0	22.78	-1.13	19.50	<=38.45	Pass
		12	0	22.65	-1.13	19.37	<=38.45	Pass
			13	22.81	-1.13	19.53	<=38.45	Pass
			24	22.69	-1.13	19.41	<=38.45	Pass
		25	0	21.87	-1.13	18.59	<=38.45	Pass
			6	21.93	-1.13	18.65	<=38.45	Pass
			13	21.86	-1.13	18.58	<=38.45	Pass
	836.5	1	0	21.93	-1.13	18.65	<=38.45	Pass
			0	23.15	-1.13	19.87	<=38.45	Pass
			13	23.23	-1.13	19.95	<=38.45	Pass
		12	24	23.11	-1.13	19.83	<=38.45	Pass
			0	21.76	-1.13	18.48	<=38.45	Pass
			6	21.84	-1.13	18.56	<=38.45	Pass
		25	13	21.80	-1.13	18.52	<=38.45	Pass
			0	21.85	-1.13	18.57	<=38.45	Pass
			0	22.76	-1.13	19.48	<=38.45	Pass
	846.5	1	13	22.88	-1.13	19.60	<=38.45	Pass
			24	22.72	-1.13	19.44	<=38.45	Pass
			0	22.79	-1.13	18.51	<=38.45	Pass
		12	6	21.82	-1.13	18.54	<=38.45	Pass
			13	21.78	-1.13	18.50	<=38.45	Pass
			0	21.78	-1.13	18.50	<=38.45	Pass
		25	0	21.78	-1.13	18.50	<=38.45	Pass
			0	21.78	-1.13	18.50	<=38.45	Pass
			0	21.78	-1.13	18.50	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.77	-1.13	20.49	<=38.45	Pass
			25	23.85	-1.13	20.57	<=38.45	Pass
			49	23.82	-1.13	20.54	<=38.45	Pass
		25	0	22.91	-1.13	19.63	<=38.45	Pass
			13	22.90	-1.13	19.62	<=38.45	Pass
			25	22.91	-1.13	19.63	<=38.45	Pass
		50	0	22.93	-1.13	19.65	<=38.45	Pass
			0	23.92	-1.13	20.64	<=38.45	Pass
			25	23.93	-1.13	20.65	<=38.45	Pass
	836.5	1	49	23.91	-1.13	20.63	<=38.45	Pass
			0	22.85	-1.13	19.57	<=38.45	Pass
			13	22.88	-1.13	19.60	<=38.45	Pass
		25	25	22.89	-1.13	19.61	<=38.45	Pass
			0	22.85	-1.13	19.57	<=38.45	Pass
			0	23.90	-1.13	20.62	<=38.45	Pass
		25	25	23.96	-1.13	20.68	<=38.45	Pass
			49	23.95	-1.13	20.67	<=38.45	Pass
			0	22.94	-1.13	19.66	<=38.45	Pass
	844	1	13	22.88	-1.13	19.60	<=38.45	Pass
			25	22.81	-1.13	19.53	<=38.45	Pass
			0	22.89	-1.13	19.61	<=38.45	Pass
		25	0	22.76	-1.13	19.48	<=38.45	Pass
			25	22.90	-1.13	19.62	<=38.45	Pass
			49	22.85	-1.13	19.57	<=38.45	Pass
		50	0	22.03	-1.13	18.75	<=38.45	Pass
			13	21.97	-1.13	18.69	<=38.45	Pass
			25	21.96	-1.13	18.68	<=38.45	Pass
16QAM	829	1	0	21.98	-1.13	18.70	<=38.45	Pass
			0	23.27	-1.13	19.99	<=38.45	Pass
			25	23.24	-1.13	19.96	<=38.45	Pass
		25	49	23.21	-1.13	19.93	<=38.45	Pass
			0	21.86	-1.13	18.58	<=38.45	Pass
			13	21.94	-1.13	18.66	<=38.45	Pass
		50	25	21.91	-1.13	18.63	<=38.45	Pass
			0	21.86	-1.13	18.58	<=38.45	Pass
			0	22.73	-1.13	19.45	<=38.45	Pass
	836.5	1	25	22.77	-1.13	19.49	<=38.45	Pass
			49	22.73	-1.13	19.45	<=38.45	Pass
			0	22.01	-1.13	18.73	<=38.45	Pass
		25	13	21.93	-1.13	18.65	<=38.45	Pass
			25	21.89	-1.13	18.61	<=38.45	Pass
			0	21.94	-1.13	18.66	<=38.45	Pass
		50	0					
	844	1						
		25						
		50						

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	-9.184	-0.0111	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.151	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-9.413	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.322	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0039	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.452	-0.0077	-2.5 to 2.5	Pass
					3.85	-9.670	-0.0116	-2.5 to 2.5	Pass
					4.43	1.473	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-10.142	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-4.578	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-4.063	-0.0048	-2.5 to 2.5	Pass
					3.85	-10.357	-0.0122	-2.5 to 2.5	Pass
					4.43	-6.466	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-6.480	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-10.042	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-6.452	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-9.327	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-9.727	-0.0115	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-2.532	-0.0031	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0095	-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	-5.450	-0.0065	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.503	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-8.655	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-10.543	-0.0126	-2.5 to 2.5	Pass

				0	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	3.85	0.629	0.0008	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-9.069	-0.0107	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
					4.43	-11.072	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-9.084	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-11.830	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-11.501	-0.0136	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-8.883	-0.0105	-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	-6.194	-0.0075	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0083	-2.5 to 2.5	Pass
					4.43	-6.738	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-4.692	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-10.443	-0.0127	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0123	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-6.037	-0.0072	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.938	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.336	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-11.001	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.230	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
					4.43	-7.396	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-11.516	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	-6.866	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-5.050	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-3.834	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-5.879	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-5.136	-0.0062	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0068	-2.5 to 2.5	Pass
					4.43	-6.881	-0.0083	-2.5 to 2.5	Pass

				-30	3.85	-3.862	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-11.945	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-5.836	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-4.678	-0.0057	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-8.140	-0.0097	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-9.084	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-9.155	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-5.622	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-10.057	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-3.476	-0.0041	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.266	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-7.524	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-10.171	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-3.619	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0069	-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	-6.452	-0.0078	-2.5 to 2.5	Pass
					3.85	-8.769	-0.0106	-2.5 to 2.5	Pass
					4.43	-5.450	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.552	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-8.454	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-7.882	-0.0094	-2.5 to 2.5	Pass
					3.85	0.215	0.0003	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-6.752	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-7.782	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-5.894	-0.0070	-2.5 to 2.5	Pass
					3.85	-4.663	-0.0055	-2.5 to 2.5	Pass
					4.43	-9.942	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.768	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-6.495	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-6.709	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-7.811	-0.0092	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-3.862	-0.0047	-2.5 to 2.5	Pass
					3.85	-8.397	-0.0102	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.138	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-5.708	-0.0069	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.578	-0.0055	-2.5 to 2.5	Pass
					3.85	-8.025	-0.0096	-2.5 to 2.5	Pass
					4.43	-4.463	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-7.839	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-5.622	-0.0067	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0035	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-5.078	-0.0060	-2.5 to 2.5	Pass
					3.85	-8.225	-0.0097	-2.5 to 2.5	Pass
					4.43	-9.756	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0068	-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	-10.099	-0.0122	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0074	-2.5 to 2.5	Pass
					4.43	-9.284	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-6.080	-0.0073	-2.5 to 2.5	Pass

				30	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-6.537	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-9.971	-0.0119	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.349	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-9.999	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-7.839	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-4.849	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-8.311	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-7.610	-0.0091	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-7.210	-0.0085	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
					4.43	-7.010	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-9.627	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-5.364	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-6.967	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-9.842	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-5.422	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-6.809	-0.0081	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-4.520	-0.0055	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-9.055	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-7.997	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-9.084	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-3.133	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.294	-0.0075	-2.5 to 2.5	Pass
					3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
					4.43	-8.426	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-6.623	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-8.798	-0.0105	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-5.007	-0.0059	-2.5 to 2.5	Pass
					3.85	-9.999	-0.0118	-2.5 to 2.5	Pass
					4.43	-8.926	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-7.138	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-7.882	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-13.032	-0.0154	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-7.896	-0.0094	-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

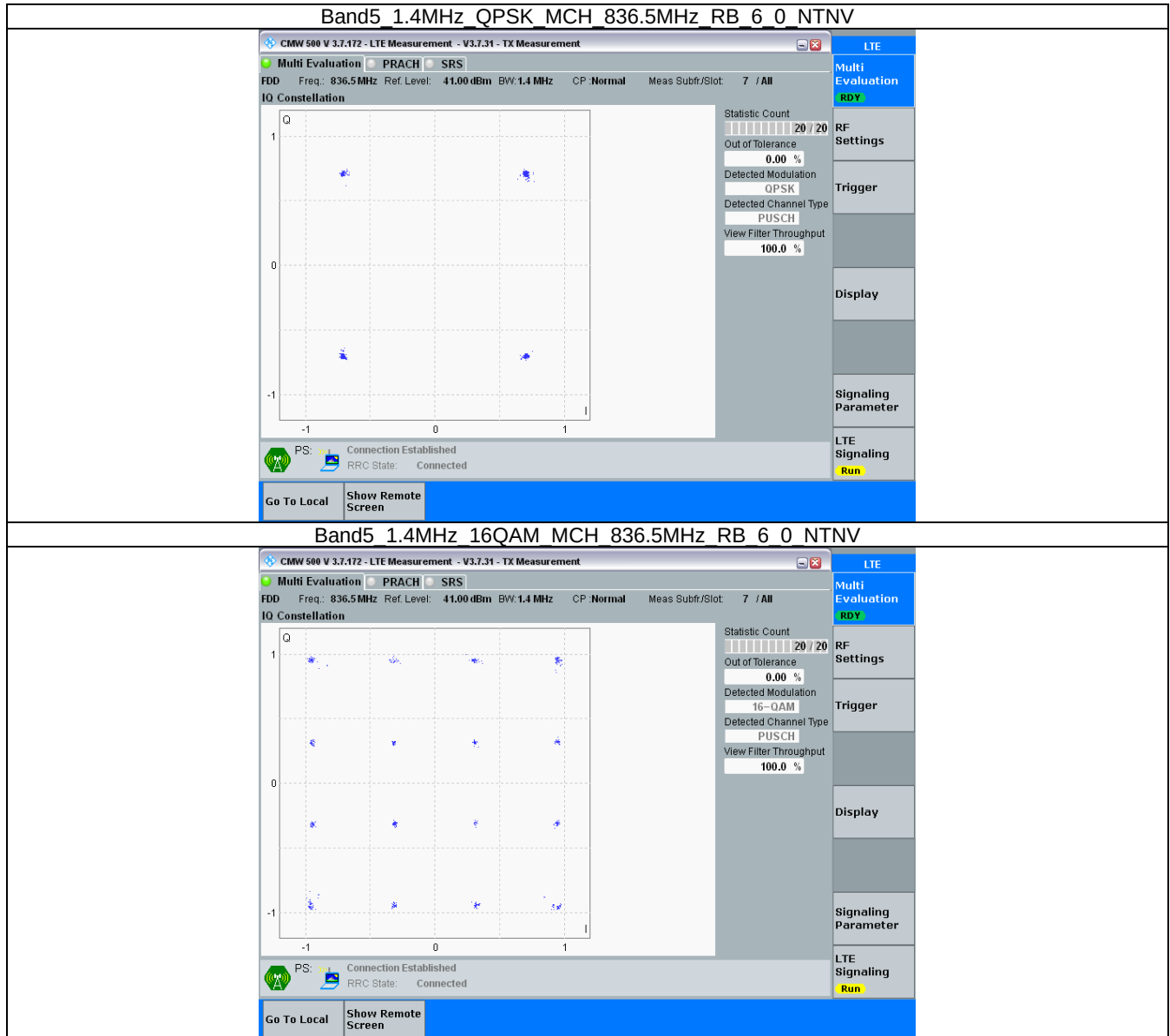
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

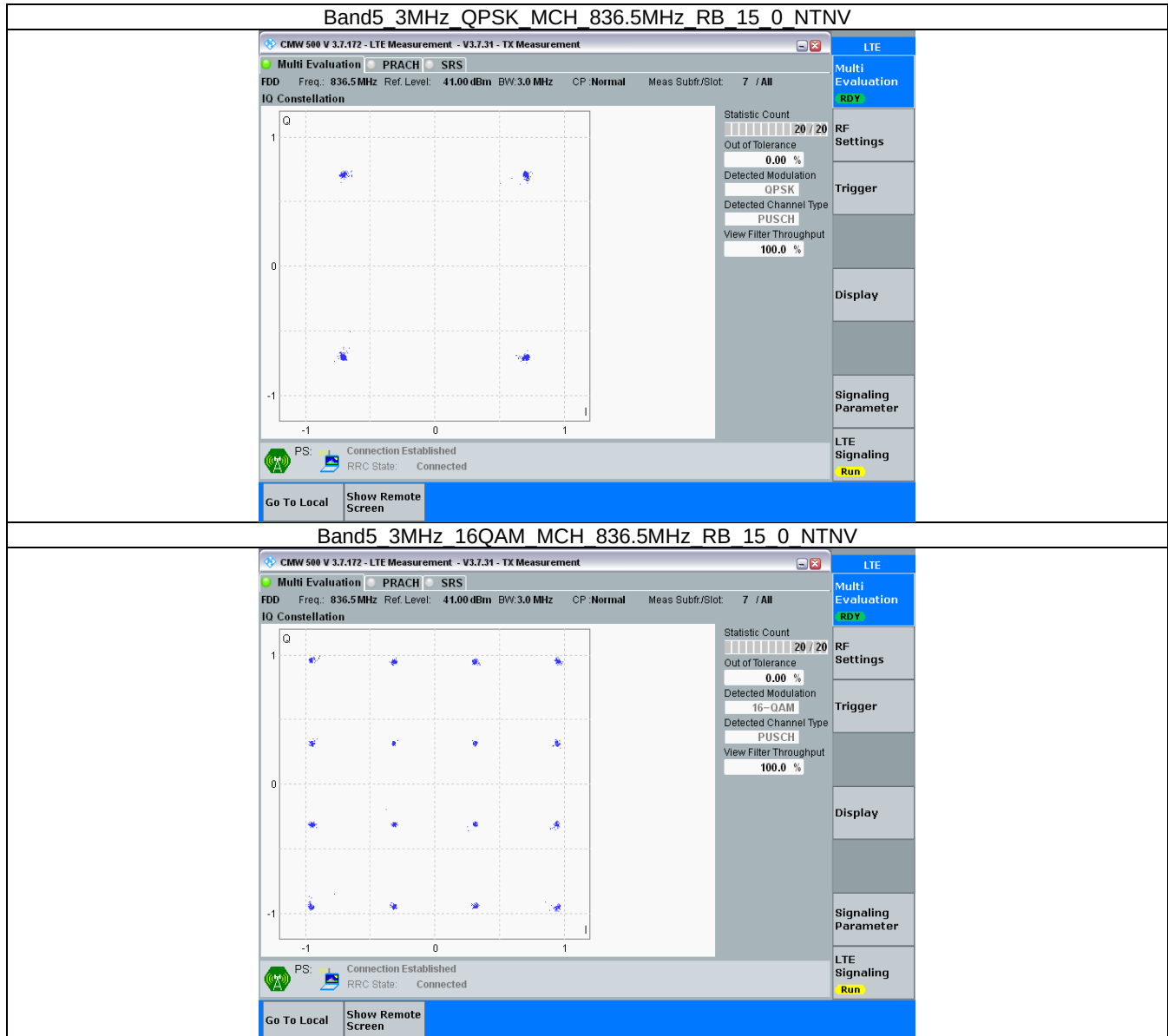
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

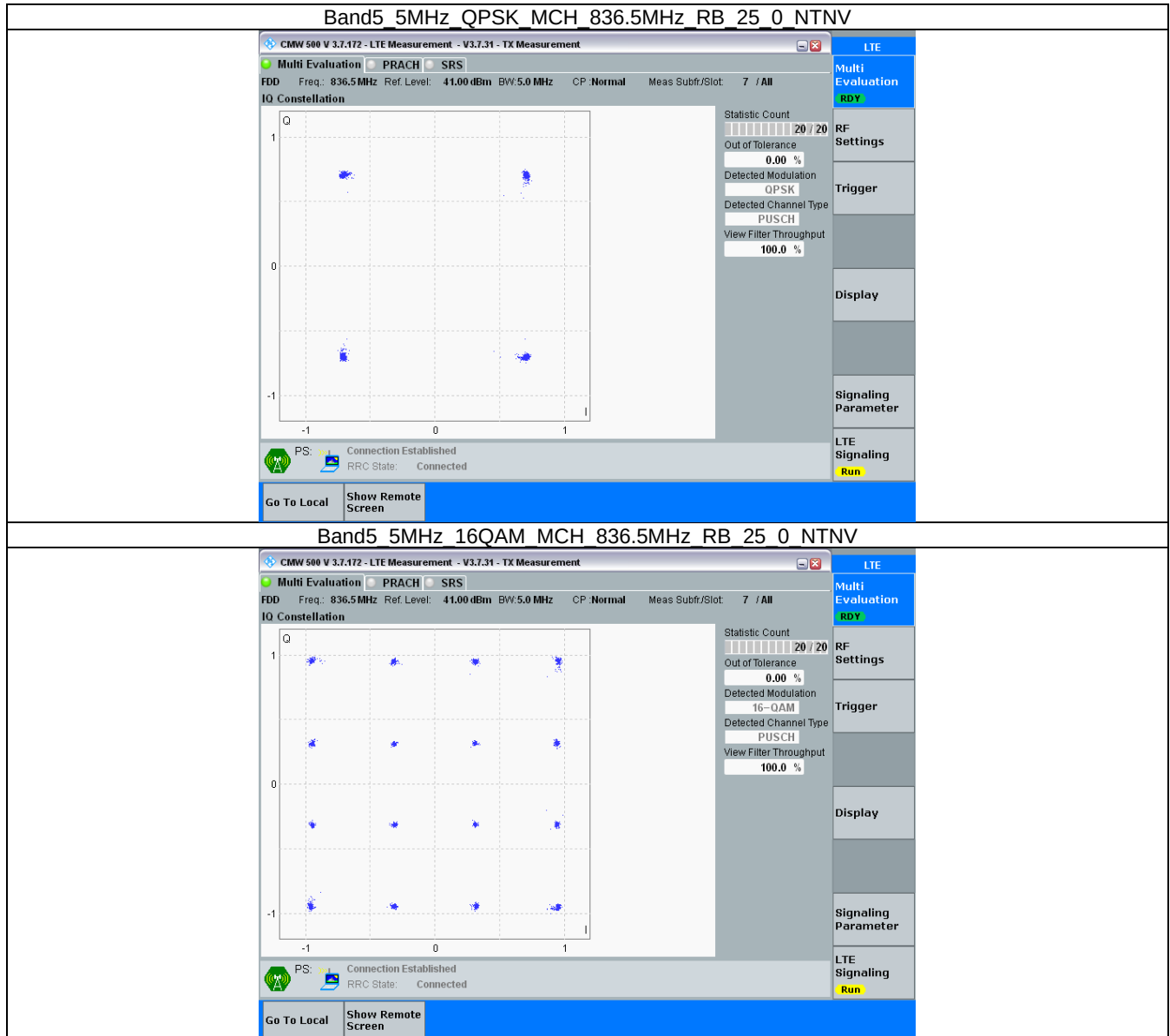
3.2.1 B5_1.4MHz



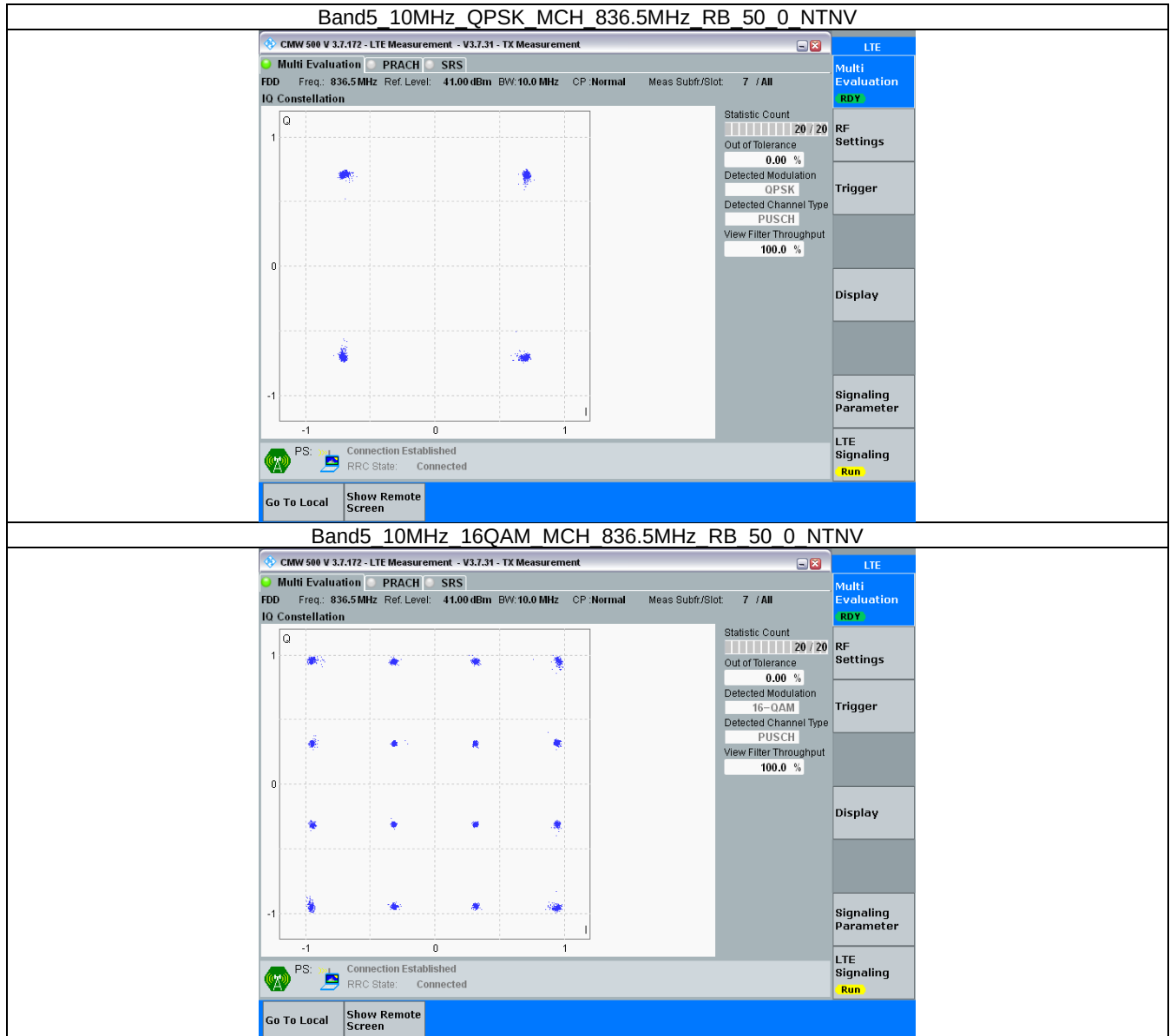
3.2.2 B5_3MHz



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	1.106	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.114	/	Pass
	16QAM	824.7	6	0	1.110	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.721	/	Pass
		836.5	15	0	2.723	/	Pass
		847.5	15	0	2.737	/	Pass
	16QAM	825.5	15	0	2.714	/	Pass
		836.5	15	0	2.726	/	Pass
		847.5	15	0	2.732	/	Pass
5	QPSK	826.5	25	0	4.535	/	Pass
		836.5	25	0	4.536	/	Pass
		846.5	25	0	4.561	/	Pass
	16QAM	826.5	25	0	4.550	/	Pass
		836.5	25	0	4.535	/	Pass
		846.5	25	0	4.544	/	Pass
10	QPSK	829	50	0	9.050	/	Pass
		836.5	50	0	9.063	/	Pass
		844	50	0	9.062	/	Pass
	16QAM	829	50	0	9.060	/	Pass
		836.5	50	0	9.053	/	Pass
		844	50	0	9.048	/	Pass

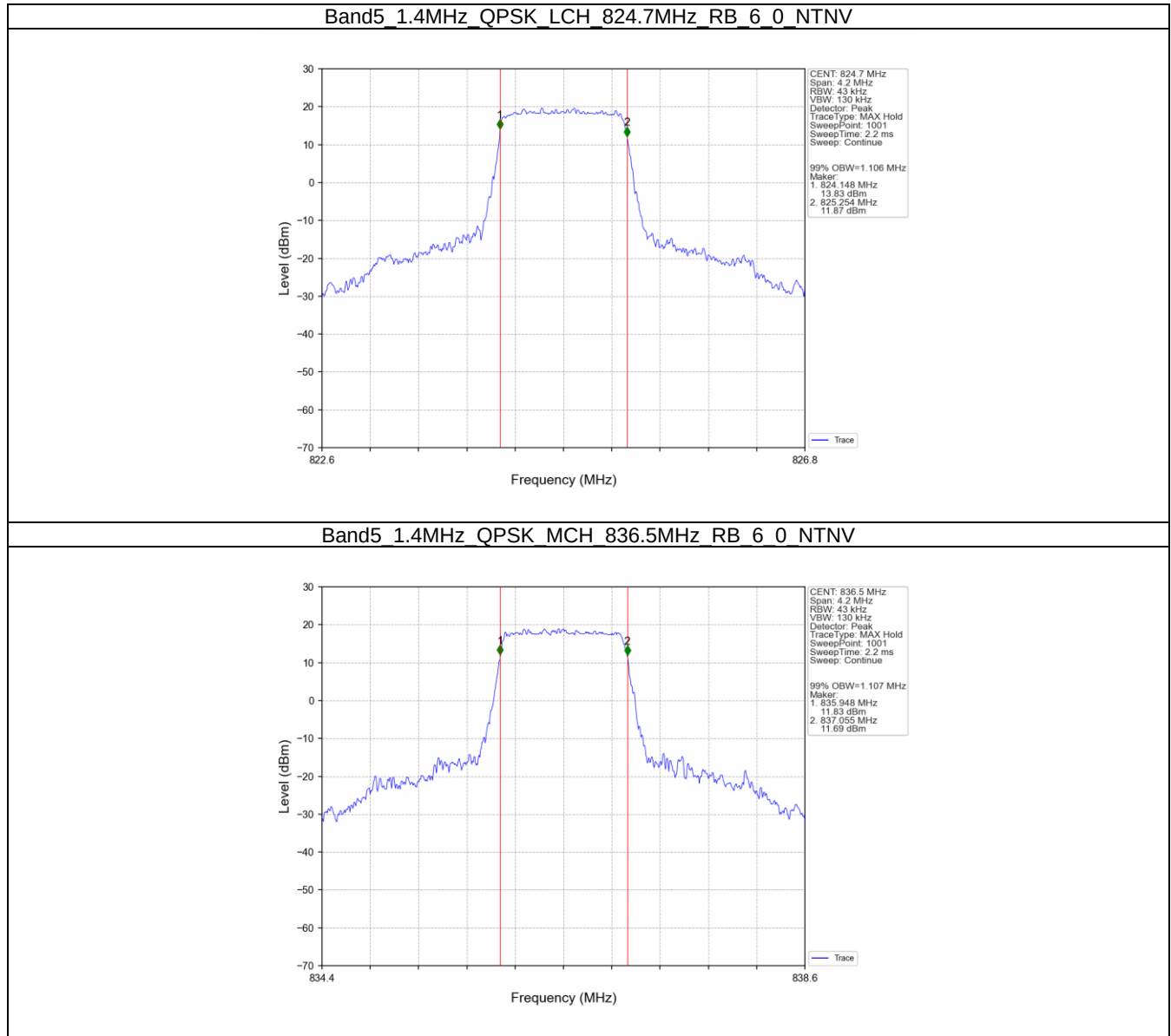
4.1.2 Band5_XDB

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	1.318	/	Pass
		836.5	6	0	1.327	/	Pass
		848.3	6	0	1.350	/	Pass
	16QAM	824.7	6	0	1.317	/	Pass
		836.5	6	0	1.312	/	Pass
		848.3	6	0	1.304	/	Pass
3	QPSK	825.5	15	0	3.009	/	Pass
		836.5	15	0	2.992	/	Pass
		847.5	15	0	3.004	/	Pass
	16QAM	825.5	15	0	2.961	/	Pass
		836.5	15	0	3.000	/	Pass
		847.5	15	0	2.995	/	Pass
5	QPSK	826.5	25	0	4.962	/	Pass
		836.5	25	0	4.994	/	Pass
		846.5	25	0	5.043	/	Pass

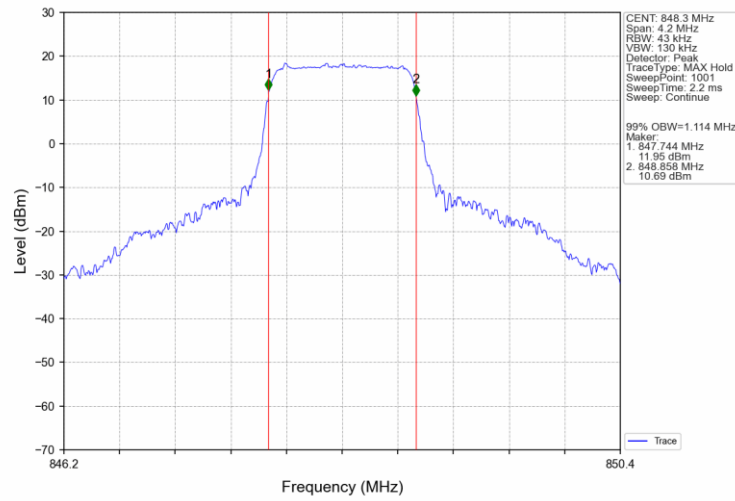
10	16QAM	826.5	25	0	5.014	/	Pass
		836.5	25	0	5.046	/	Pass
		846.5	25	0	5.027	/	Pass
	QPSK	829	50	0	9.918	/	Pass
		836.5	50	0	9.952	/	Pass
		844	50	0	10.000	/	Pass
	16QAM	829	50	0	9.861	/	Pass
		836.5	50	0	9.870	/	Pass
		844	50	0	9.960	/	Pass

4.2 Test Graph

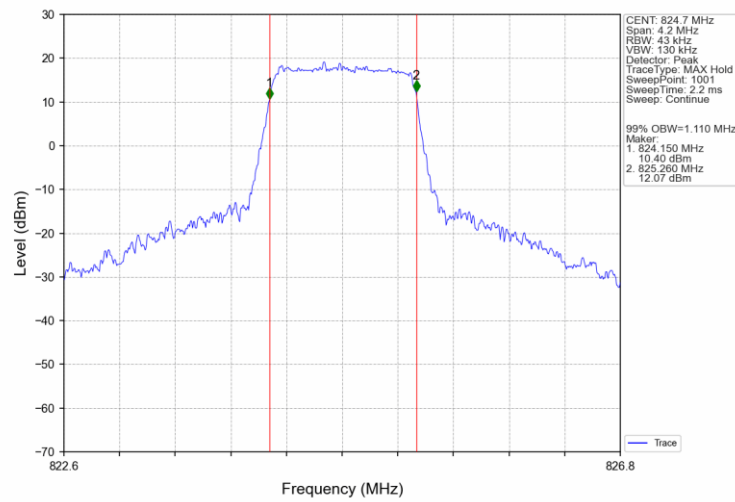
4.2.1 Band5_OBW



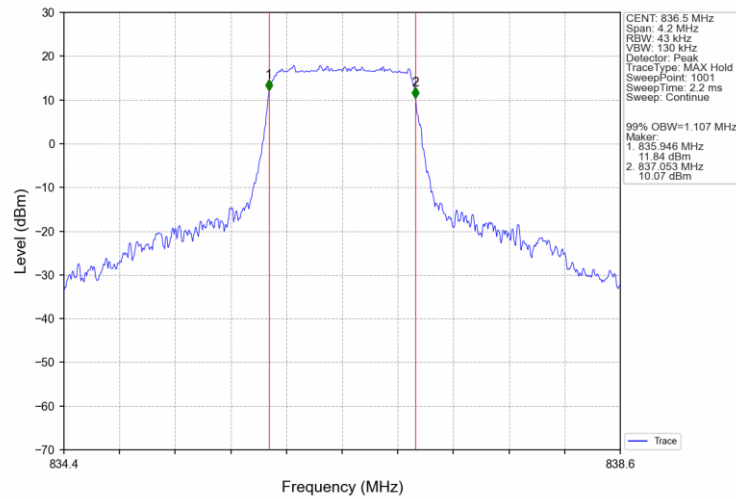
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



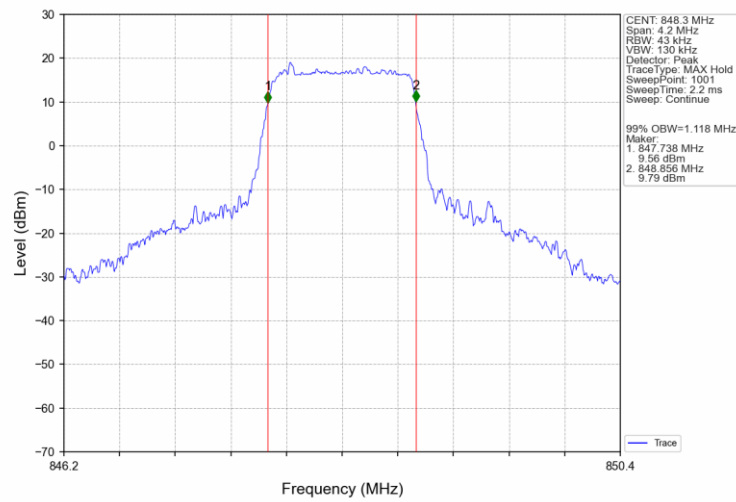
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



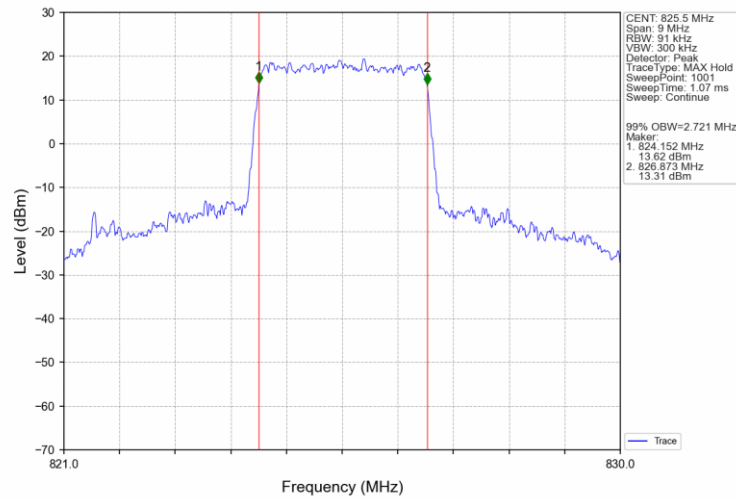
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



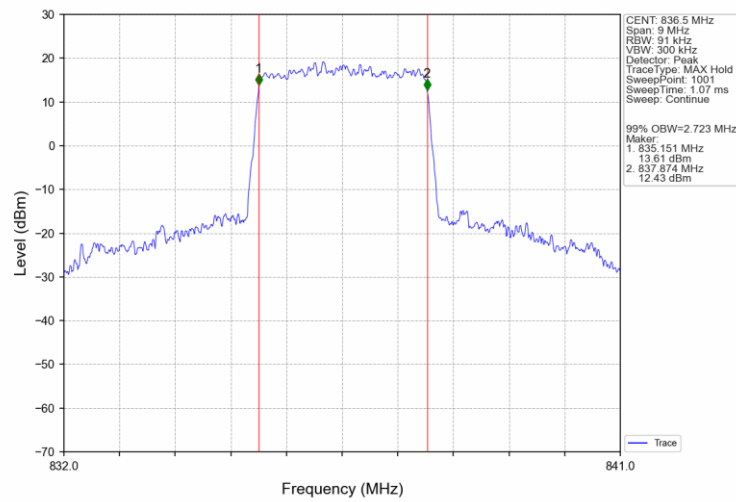
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



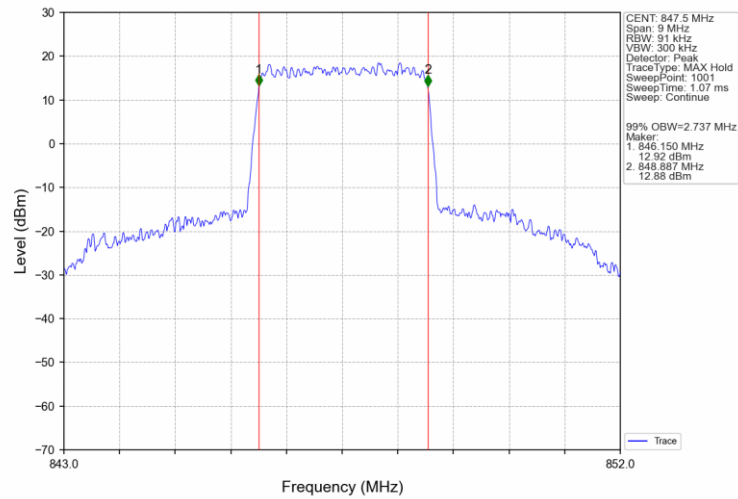
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



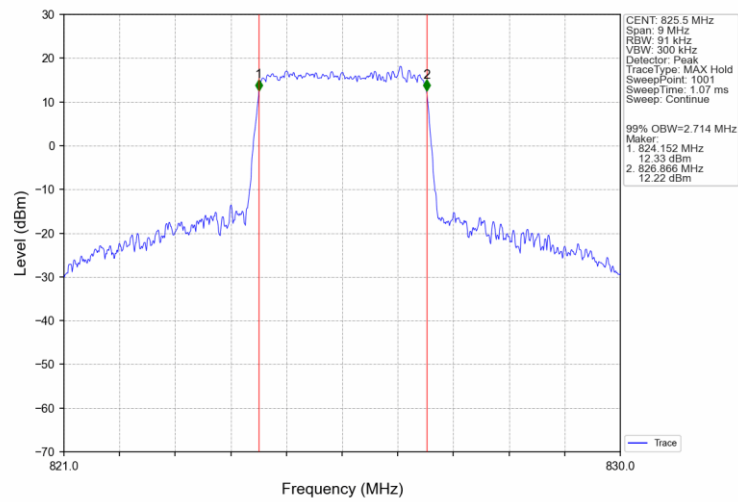
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



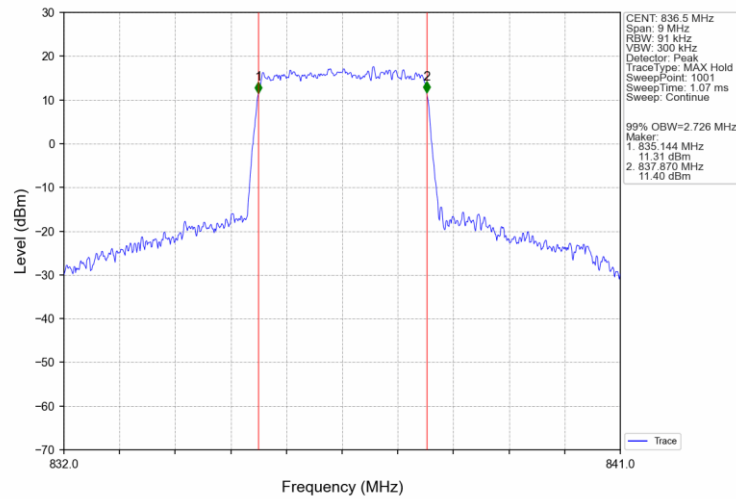
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



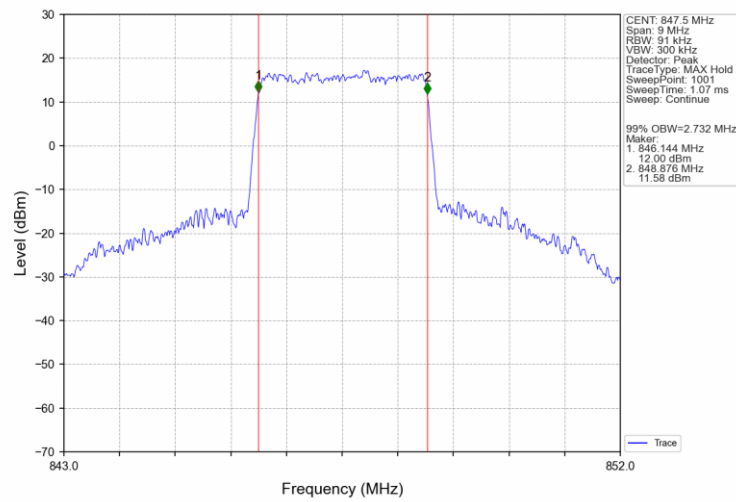
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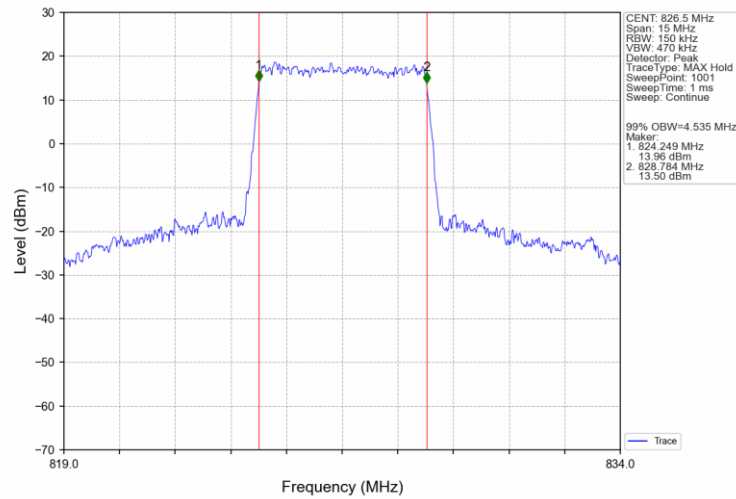
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



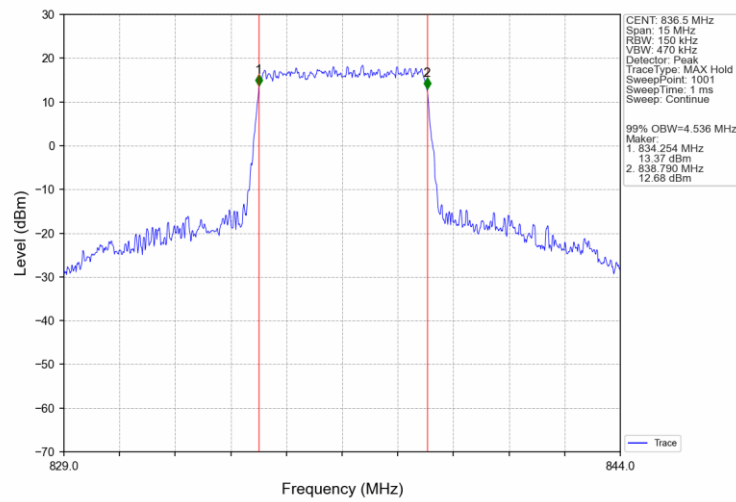
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



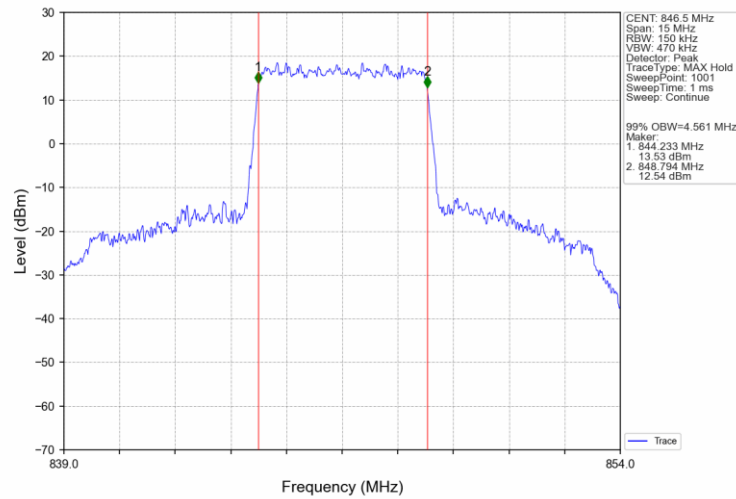
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



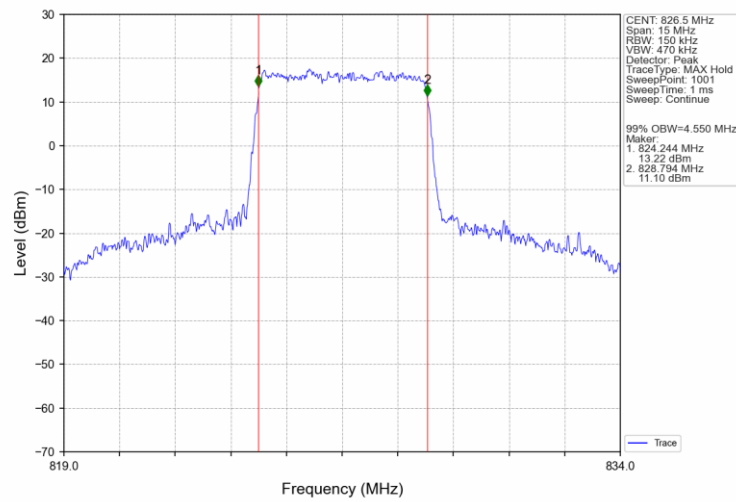
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



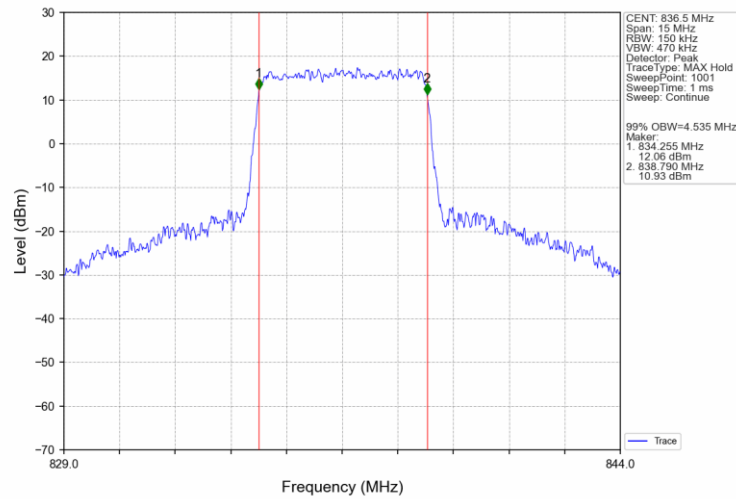
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



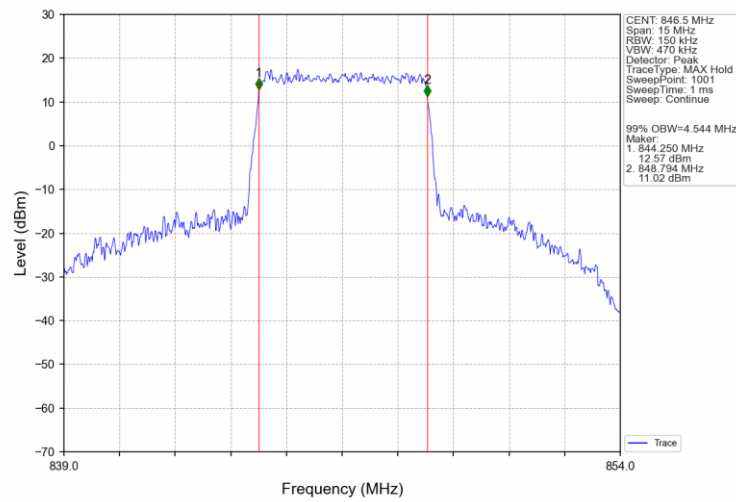
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



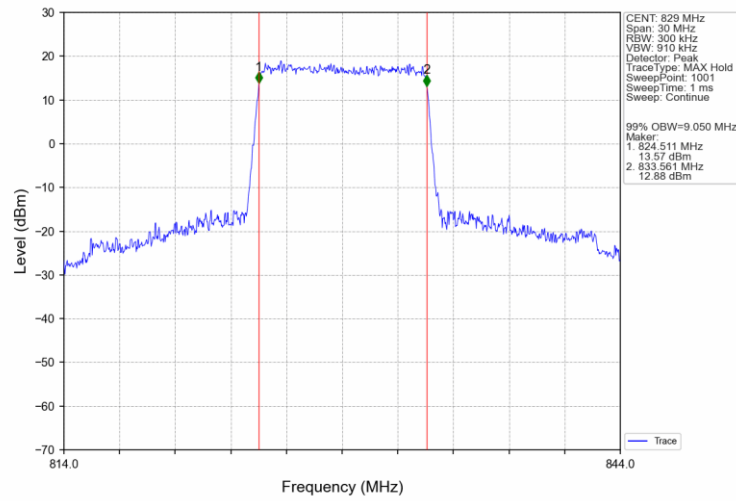
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



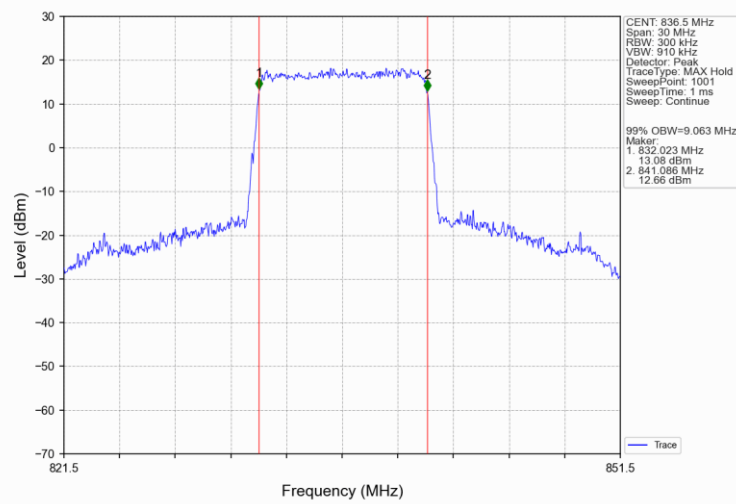
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



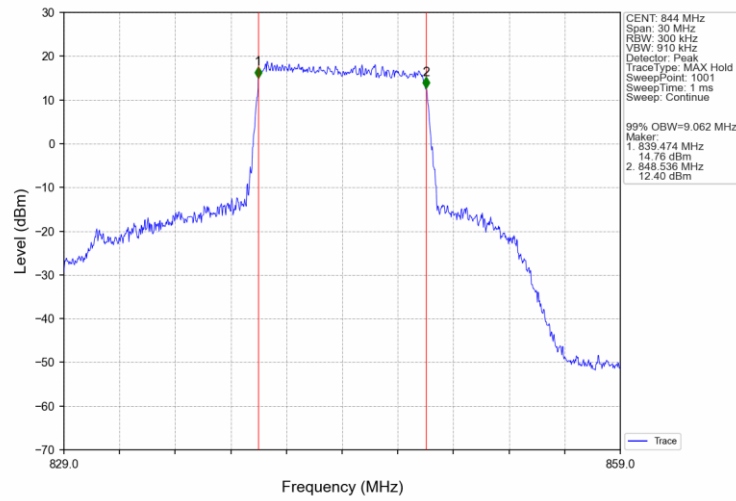
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



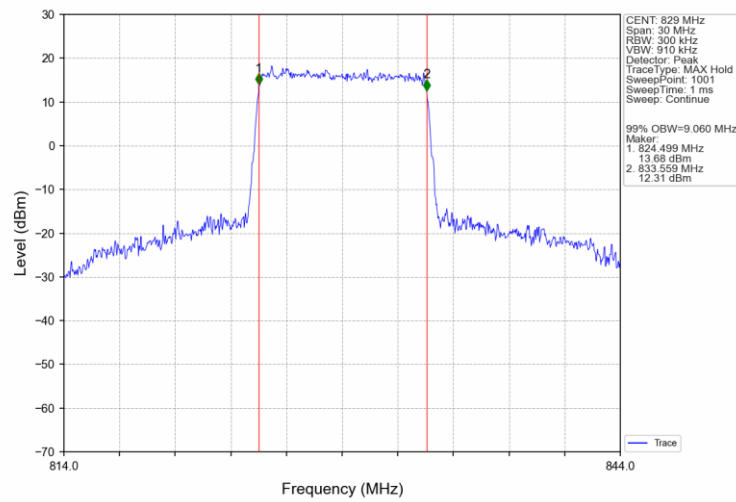
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



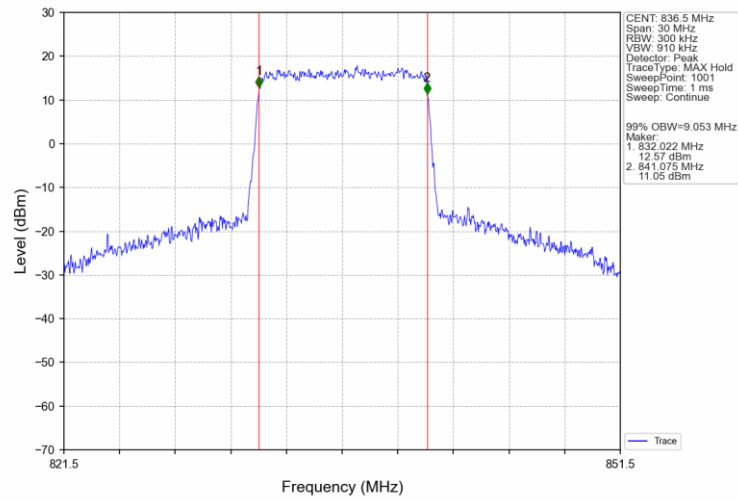
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



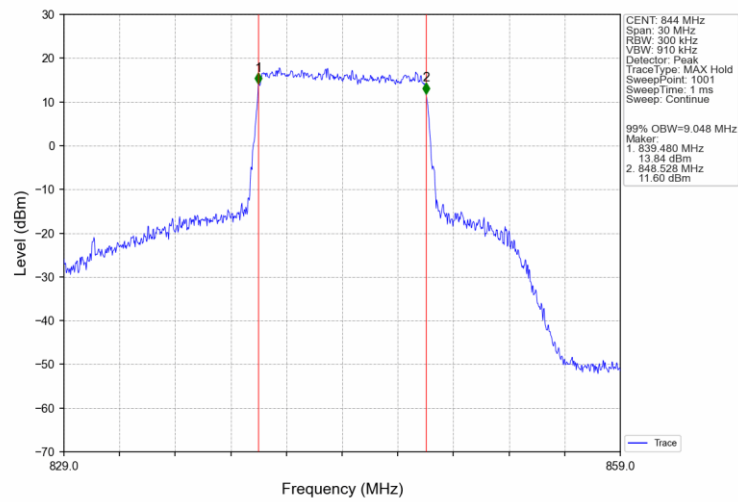
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

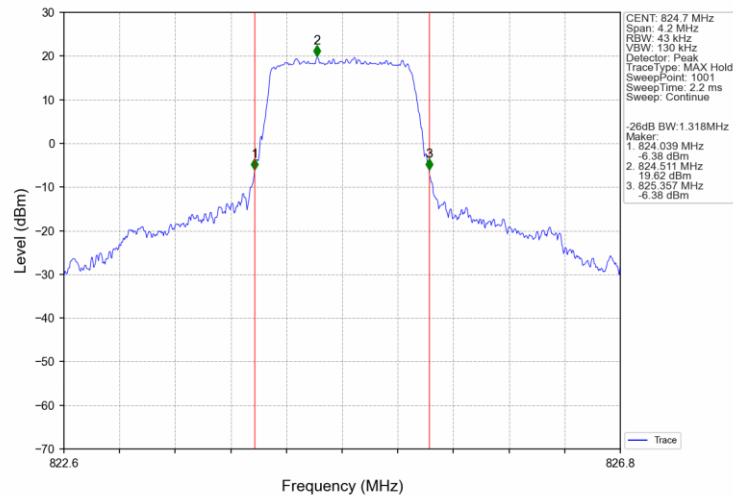


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

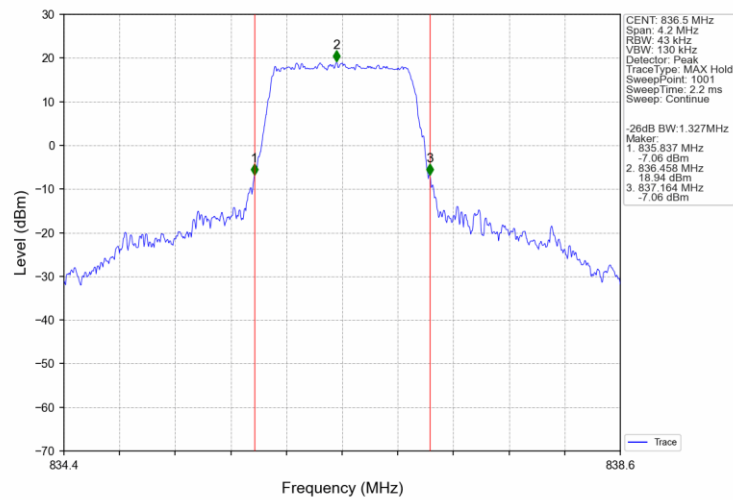


4.2.2 Band5_XDB

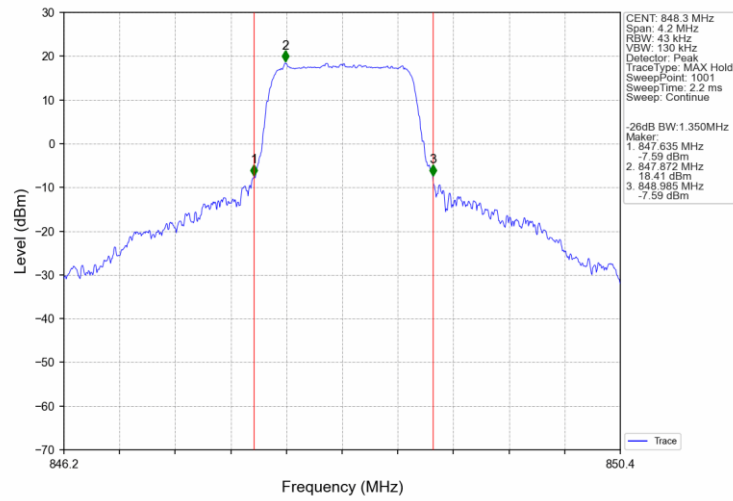
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



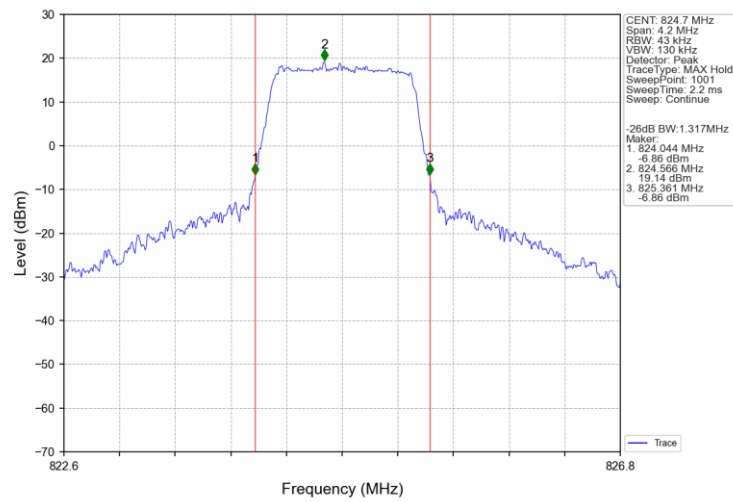
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



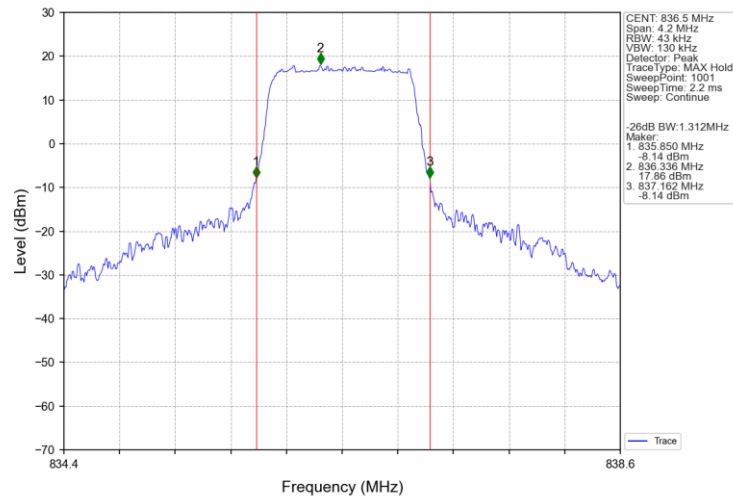
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



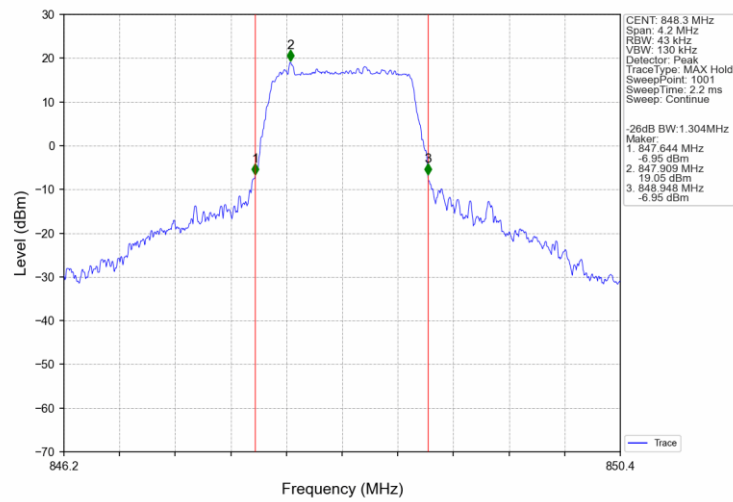
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



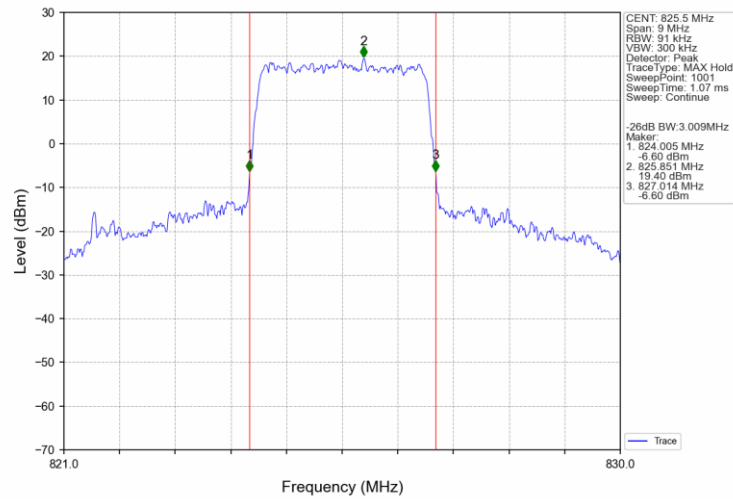
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



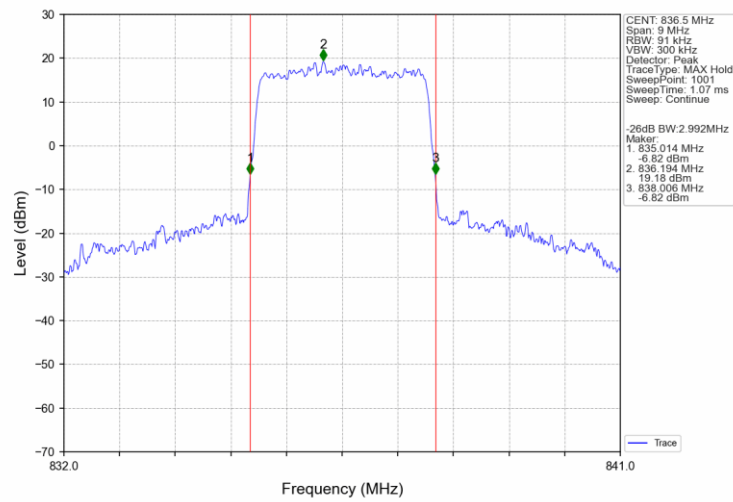
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



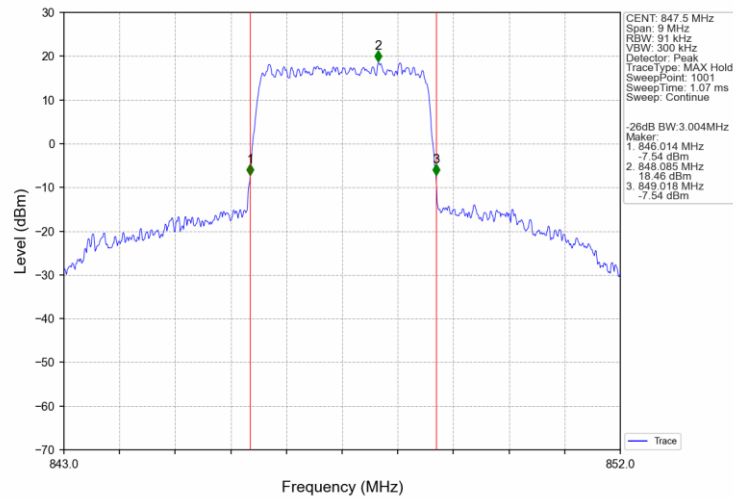
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



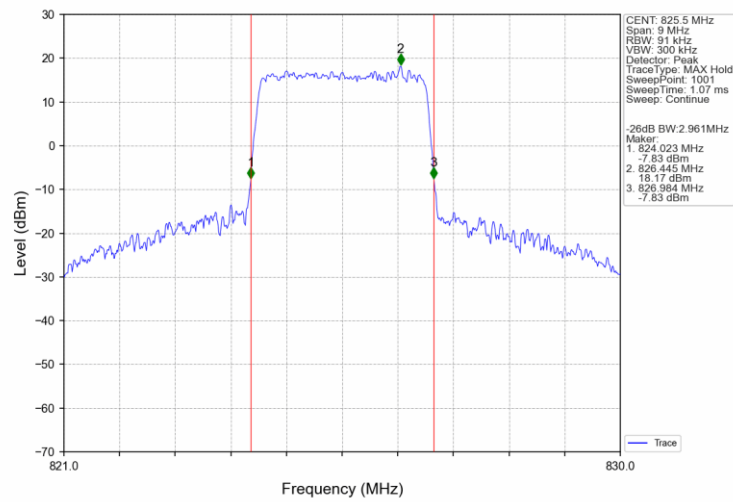
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



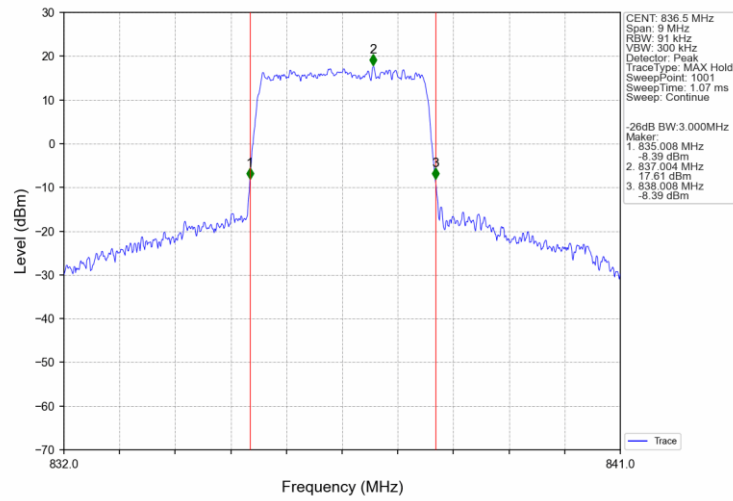
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



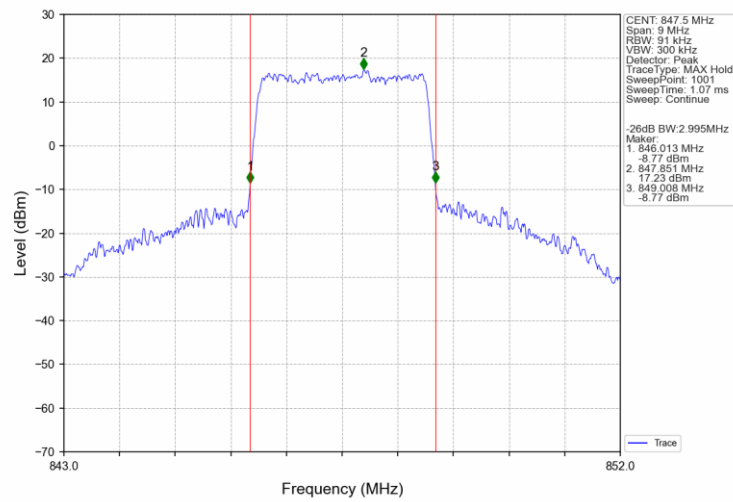
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



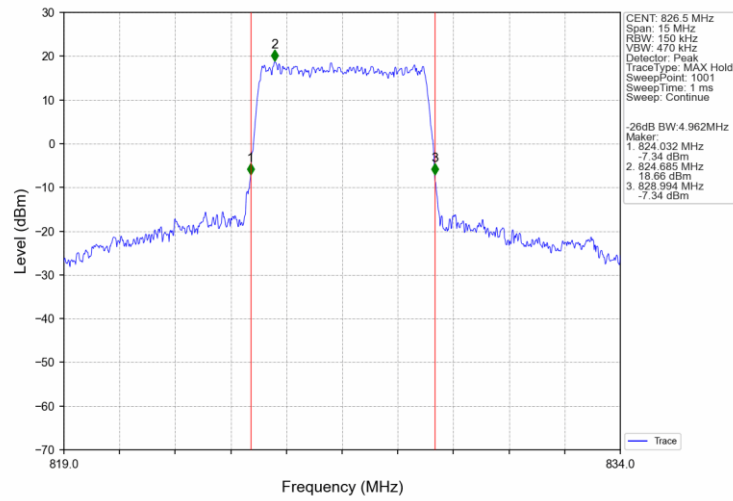
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



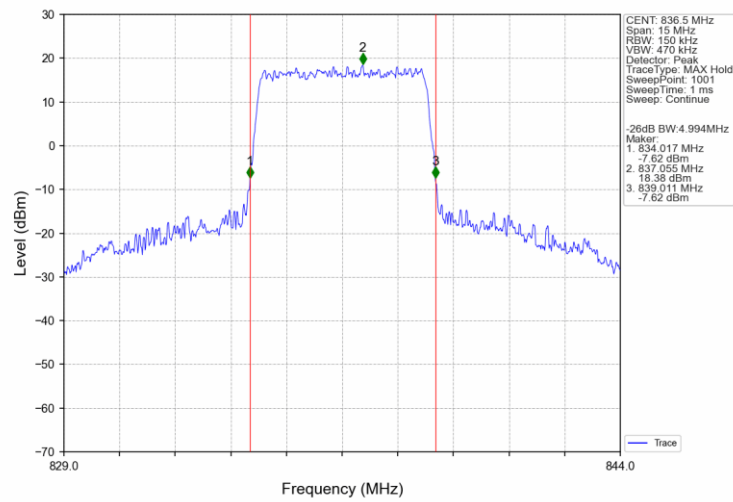
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



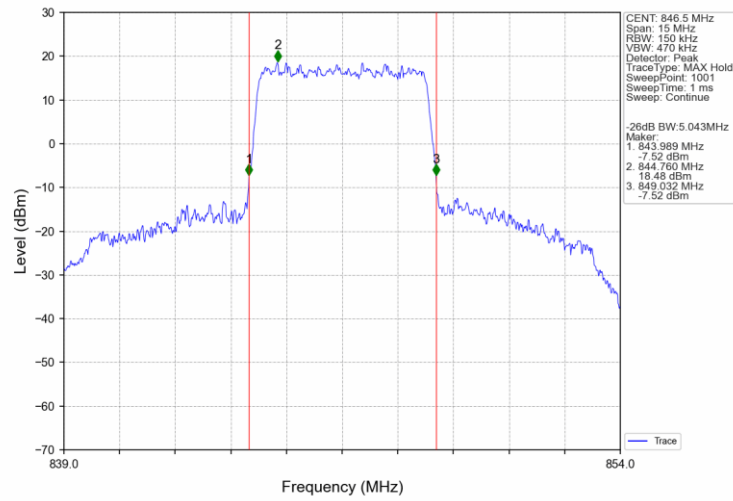
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



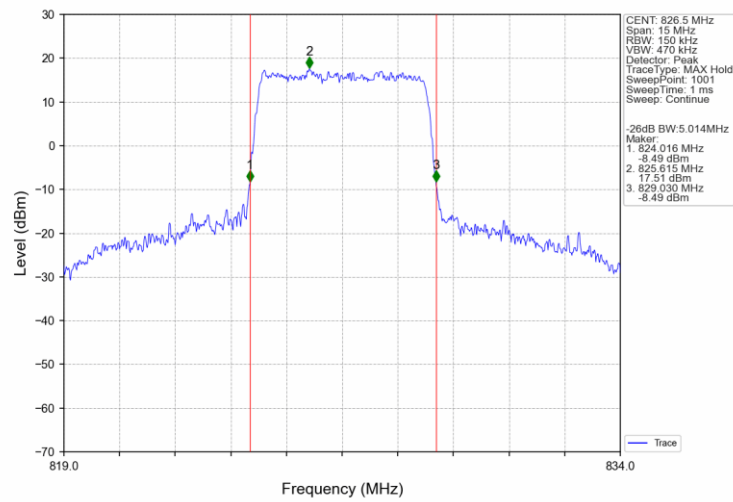
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



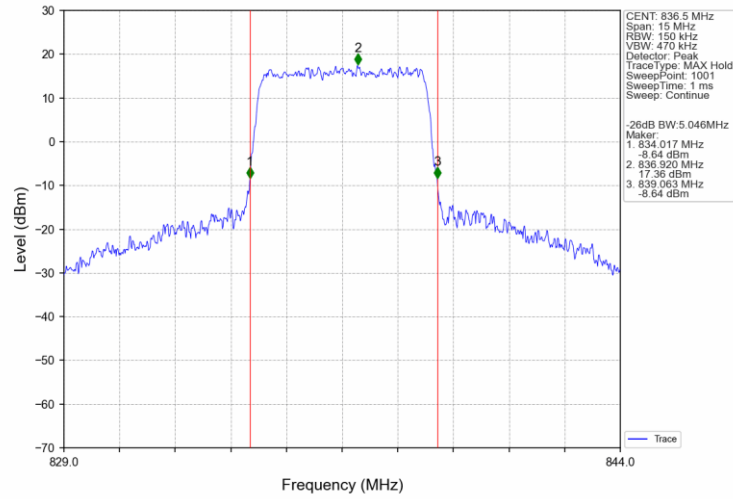
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



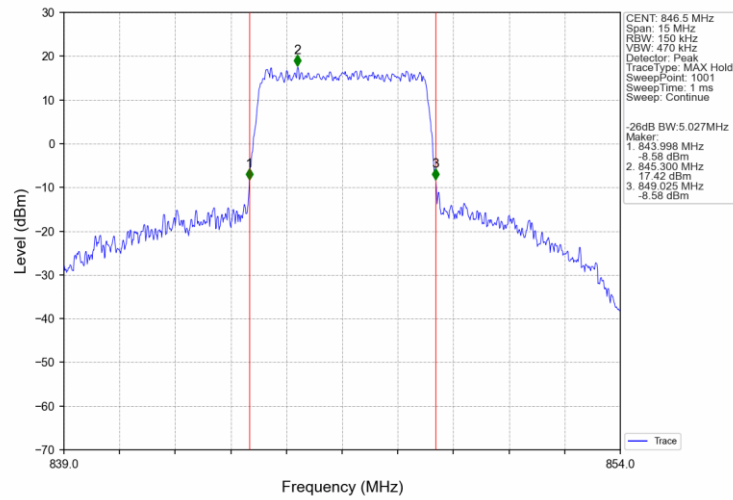
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



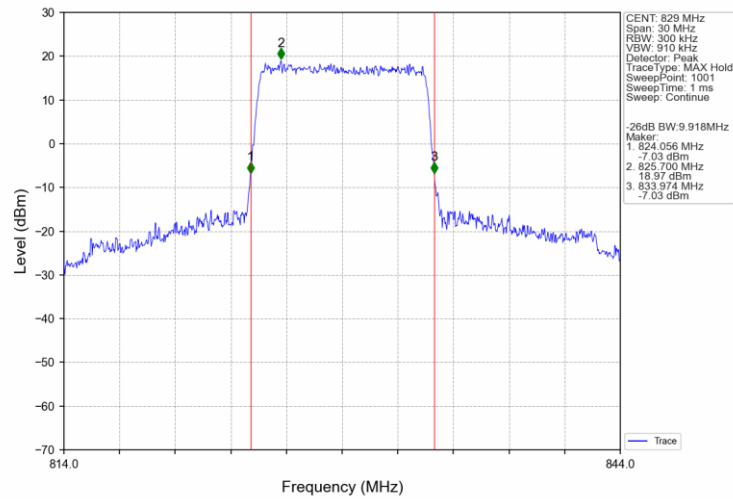
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



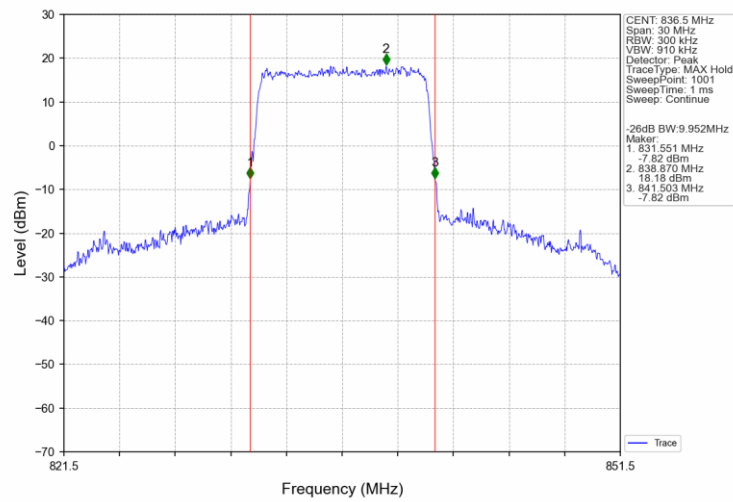
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



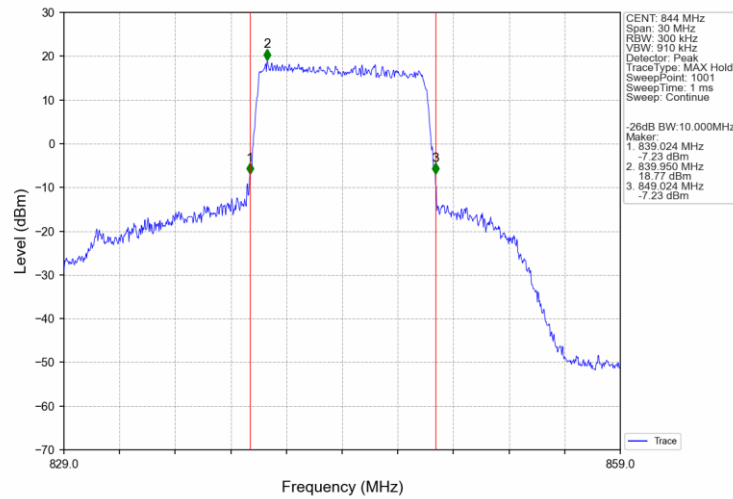
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



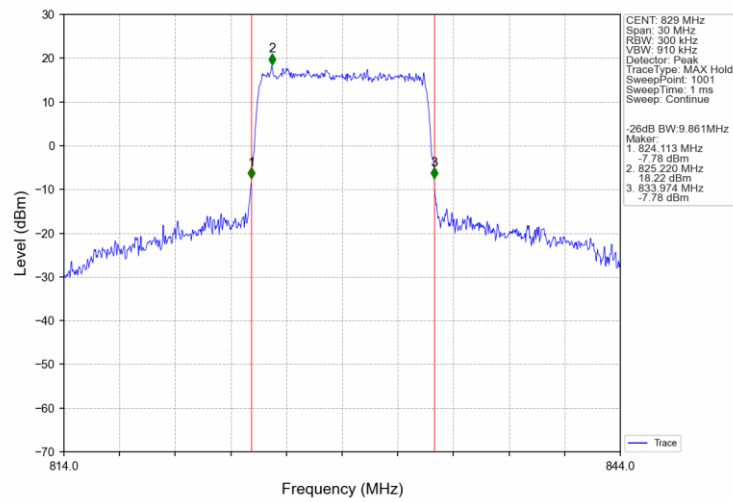
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



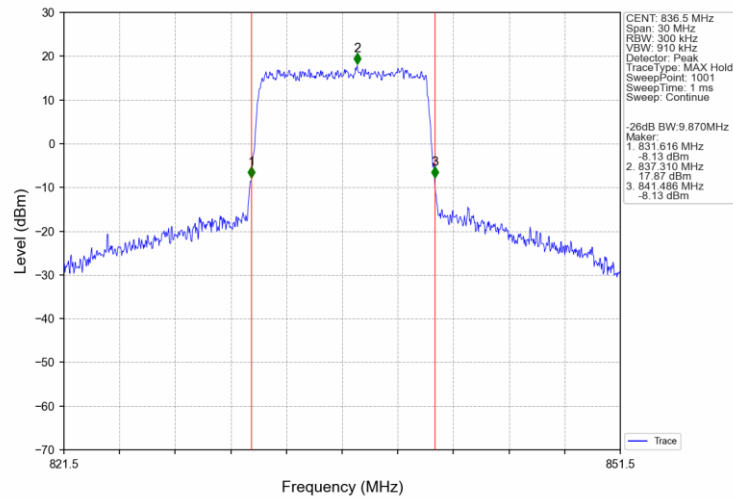
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



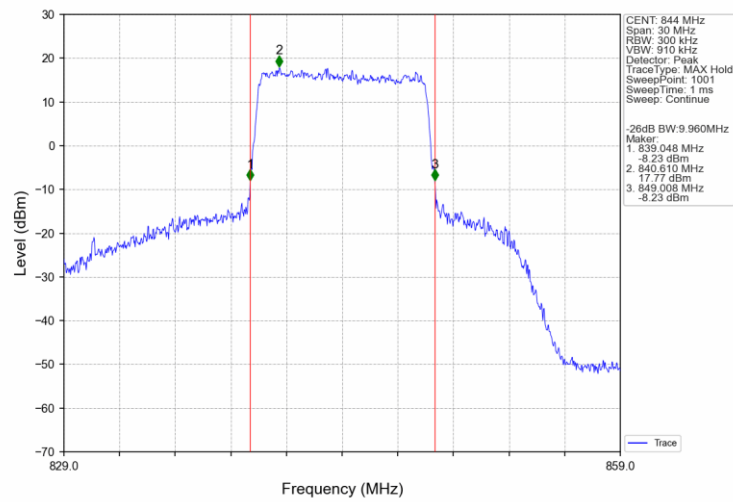
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	4.53	<=13	Pass
	836.5	6	0	4.68	<=13	Pass
	848.3	6	0	4.38	<=13	Pass
16QAM	824.7	6	0	5.39	<=13	Pass
	836.5	6	0	5.80	<=13	Pass
	848.3	6	0	5.29	<=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	4.89	<=13	Pass
	836.5	15	0	5.16	<=13	Pass
	847.5	15	0	4.82	<=13	Pass
16QAM	825.5	15	0	5.95	<=13	Pass
	836.5	15	0	5.97	<=13	Pass
	847.5	15	0	5.69	<=13	Pass

5.1.3 B5_5MHz

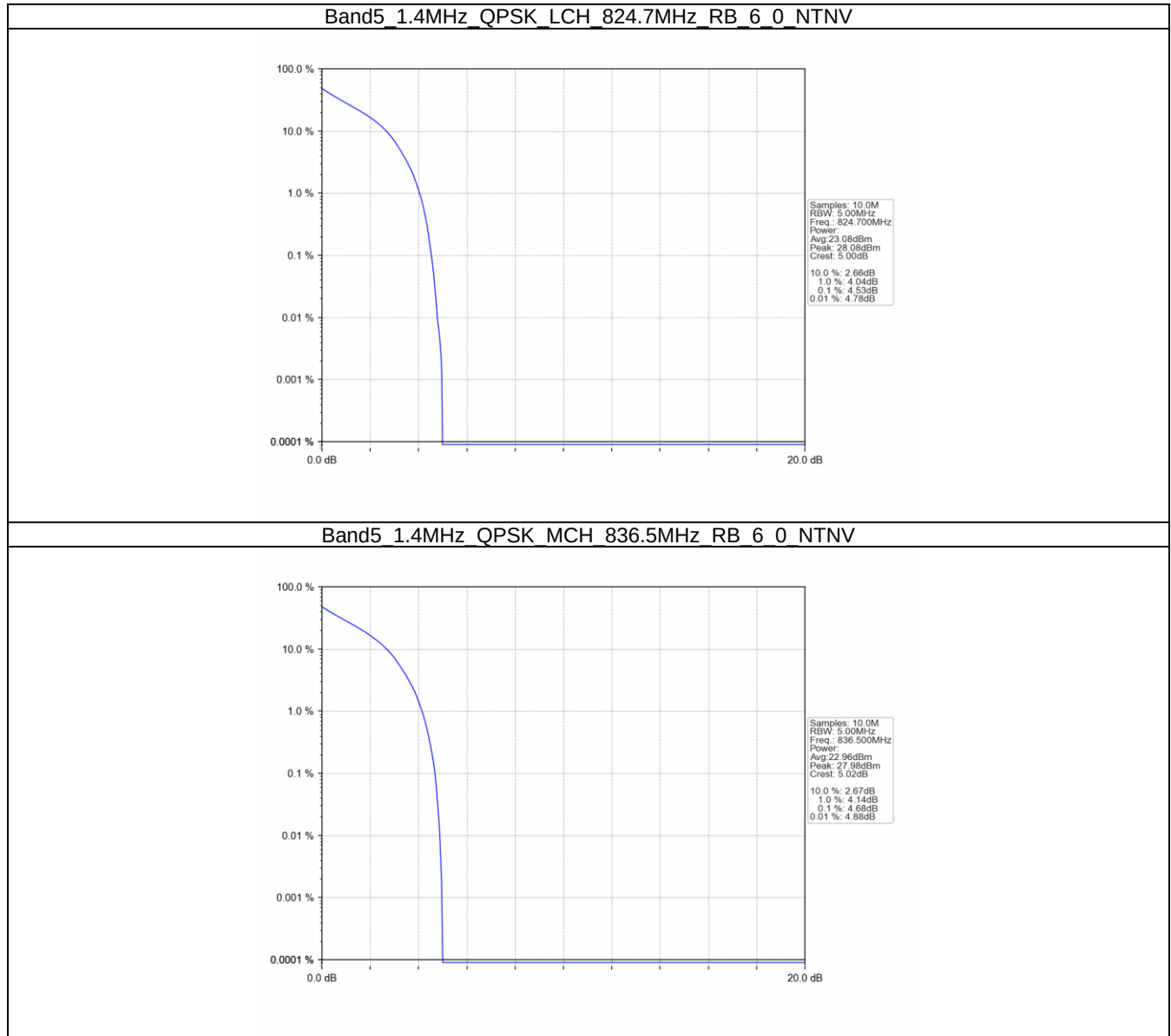
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.39	<=13	Pass
	836.5	25	0	5.37	<=13	Pass
	846.5	25	0	5.24	<=13	Pass
16QAM	826.5	25	0	6.08	<=13	Pass
	836.5	25	0	6.13	<=13	Pass
	846.5	25	0	5.97	<=13	Pass

5.1.4 B5_10MHz

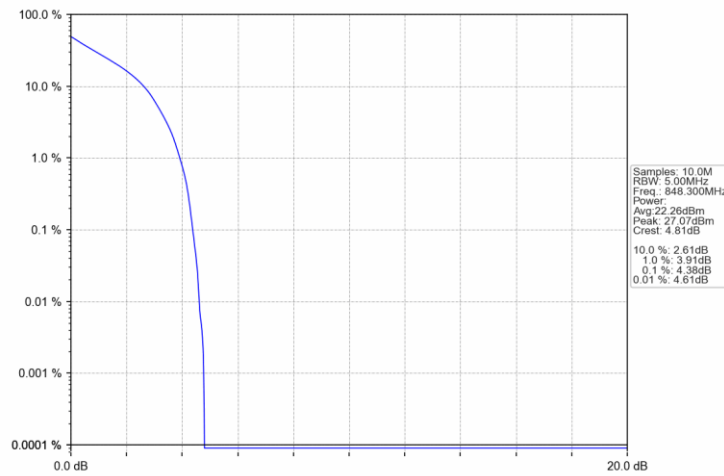
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.44	<=13	Pass
	836.5	50	0	5.33	<=13	Pass
	844	50	0	5.22	<=13	Pass
16QAM	829	50	0	6.18	<=13	Pass
	836.5	50	0	6.13	<=13	Pass
	844	50	0	6.00	<=13	Pass

5.2 Test Graph

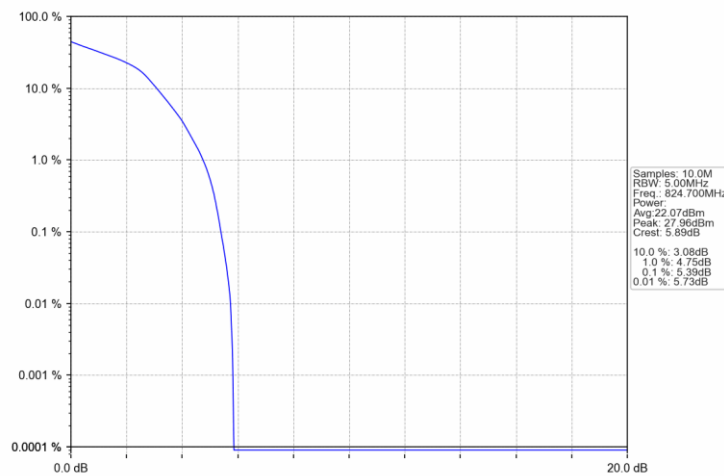
5.2.1 B5_1.4MHz



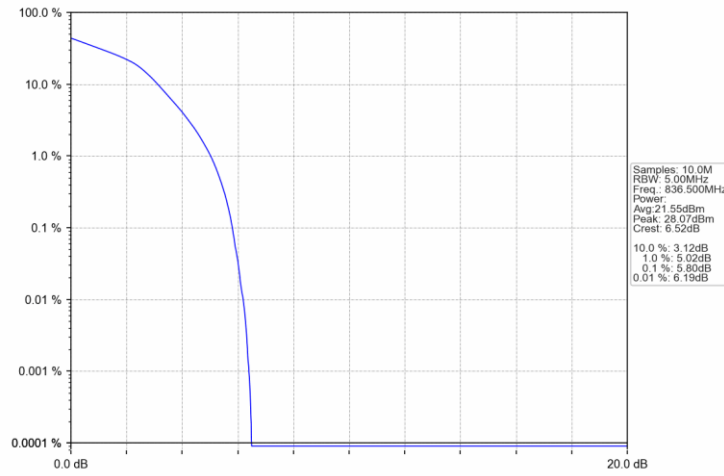
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



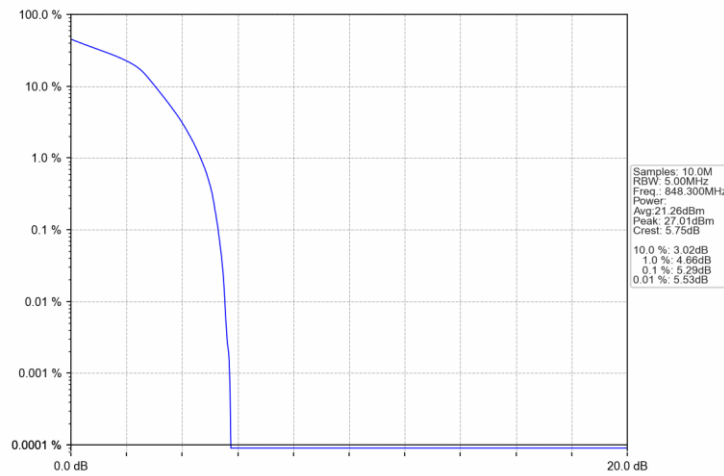
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

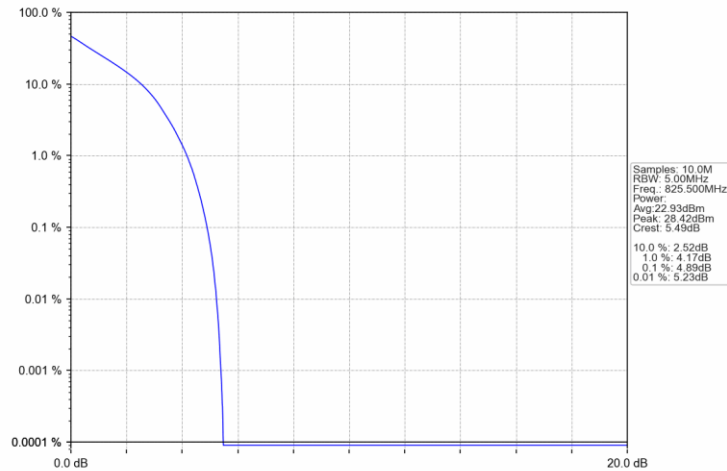


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

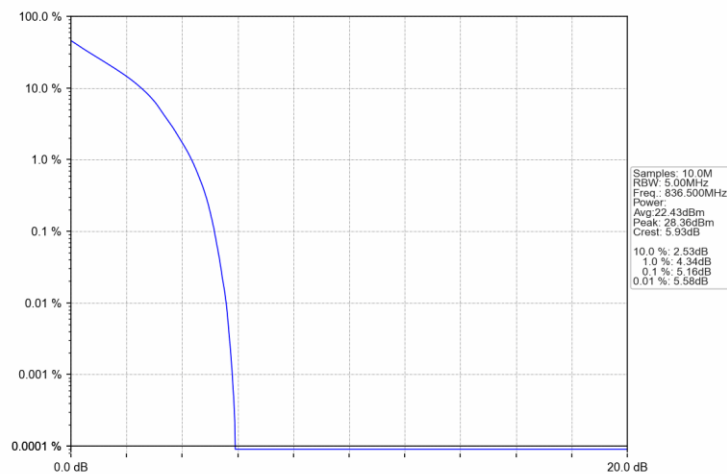


5.2.2 B5_3MHz

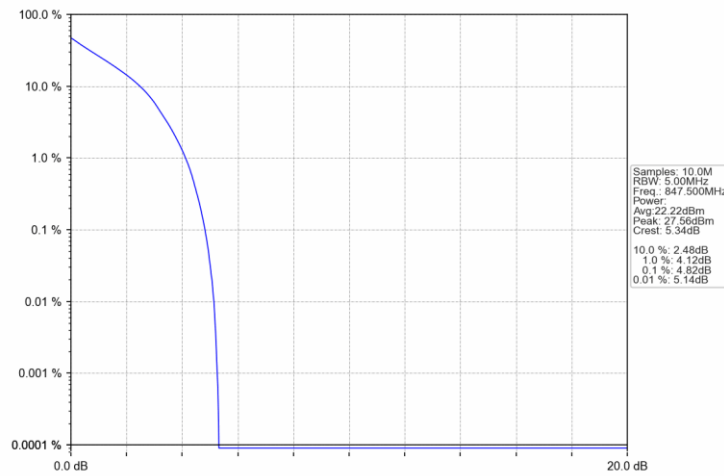
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



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

