

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	24.08	-1.34	20.59	<=38.45	Pass
			7	23.94	-1.34	20.45	<=38.45	Pass
			14	23.84	-1.34	20.35	<=38.45	Pass
		8	0	22.80	-1.34	19.31	<=38.45	Pass
			4	22.82	-1.34	19.33	<=38.45	Pass
			7	22.77	-1.34	19.28	<=38.45	Pass
		15	0	22.78	-1.34	19.29	<=38.45	Pass
	836.5	1	0	23.78	-1.34	20.29	<=38.45	Pass
			7	23.87	-1.34	20.38	<=38.45	Pass
			14	23.76	-1.34	20.27	<=38.45	Pass
		8	0	22.76	-1.34	19.27	<=38.45	Pass
			4	22.81	-1.34	19.32	<=38.45	Pass
			7	22.81	-1.34	19.32	<=38.45	Pass
		15	0	22.79	-1.34	19.30	<=38.45	Pass
	847.5	1	0	23.80	-1.34	20.31	<=38.45	Pass
			7	23.89	-1.34	20.40	<=38.45	Pass
			14	23.80	-1.34	20.31	<=38.45	Pass
		8	0	22.75	-1.34	19.26	<=38.45	Pass
			4	22.79	-1.34	19.30	<=38.45	Pass
			7	22.77	-1.34	19.28	<=38.45	Pass
		15	0	22.74	-1.34	19.25	<=38.45	Pass
16QAM	825.5	1	0	22.90	-1.34	19.41	<=38.45	Pass
			7	23.09	-1.34	19.60	<=38.45	Pass
			14	22.96	-1.34	19.47	<=38.45	Pass
		8	0	21.76	-1.34	18.27	<=38.45	Pass
			4	21.82	-1.34	18.33	<=38.45	Pass
			7	21.76	-1.34	18.27	<=38.45	Pass
		15	0	21.76	-1.34	18.27	<=38.45	Pass
	836.5	1	0	23.30	-1.34	19.81	<=38.45	Pass
			7	23.39	-1.34	19.90	<=38.45	Pass
			14	23.23	-1.34	19.74	<=38.45	Pass
		8	0	21.92	-1.34	18.43	<=38.45	Pass
			4	21.99	-1.34	18.50	<=38.45	Pass
			7	21.95	-1.34	18.46	<=38.45	Pass
		15	0	21.89	-1.34	18.40	<=38.45	Pass
	847.5	1	0	22.76	-1.34	19.27	<=38.45	Pass
			7	22.88	-1.34	19.39	<=38.45	Pass
			14	22.74	-1.34	19.25	<=38.45	Pass
		8	0	21.80	-1.34	18.31	<=38.45	Pass
			4	21.84	-1.34	18.35	<=38.45	Pass
			7	21.79	-1.34	18.30	<=38.45	Pass
		15	0	21.79	-1.34	18.30	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.63	-1.34	20.14	<=38.45	Pass
			13	23.80	-1.34	20.31	<=38.45	Pass
			24	23.65	-1.34	20.16	<=38.45	Pass
		12	0	22.72	-1.34	19.23	<=38.45	Pass
			6	22.76	-1.34	19.27	<=38.45	Pass
			13	22.72	-1.34	19.23	<=38.45	Pass
		25	0	22.71	-1.34	19.22	<=38.45	Pass

	836.5	1	0	23.67	-1.34	20.18	<=38.45	Pass
			13	23.74	-1.34	20.25	<=38.45	Pass
			24	23.65	-1.34	20.16	<=38.45	Pass
		12	0	22.65	-1.34	19.16	<=38.45	Pass
			6	22.78	-1.34	19.29	<=38.45	Pass
			13	22.75	-1.34	19.26	<=38.45	Pass
		25	0	22.71	-1.34	19.22	<=38.45	Pass
	846.5	1	0	23.64	-1.34	20.15	<=38.45	Pass
			13	23.73	-1.34	20.24	<=38.45	Pass
			24	23.66	-1.34	20.17	<=38.45	Pass
		12	0	22.71	-1.34	19.22	<=38.45	Pass
			6	22.75	-1.34	19.26	<=38.45	Pass
			13	22.69	-1.34	19.20	<=38.45	Pass
		25	0	22.70	-1.34	19.21	<=38.45	Pass
16QAM	826.5	1	0	22.52	-1.34	19.03	<=38.45	Pass
			13	22.65	-1.34	19.16	<=38.45	Pass
			24	22.57	-1.34	19.08	<=38.45	Pass
		12	0	21.72	-1.34	18.23	<=38.45	Pass
			6	21.78	-1.34	18.29	<=38.45	Pass
			13	21.74	-1.34	18.25	<=38.45	Pass
		25	0	21.80	-1.34	18.31	<=38.45	Pass
	836.5	1	0	22.75	-1.34	19.26	<=38.45	Pass
			13	22.82	-1.34	19.33	<=38.45	Pass
			24	22.75	-1.34	19.26	<=38.45	Pass
		12	0	21.65	-1.34	18.16	<=38.45	Pass
			6	21.77	-1.34	18.28	<=38.45	Pass
			13	21.72	-1.34	18.23	<=38.45	Pass
		25	0	21.76	-1.34	18.27	<=38.45	Pass
	846.5	1	0	22.87	-1.34	19.38	<=38.45	Pass
			13	22.96	-1.34	19.47	<=38.45	Pass
			24	22.81	-1.34	19.32	<=38.45	Pass
		12	0	21.72	-1.34	18.23	<=38.45	Pass
			6	21.77	-1.34	18.28	<=38.45	Pass
			13	21.73	-1.34	18.24	<=38.45	Pass
		25	0	21.71	-1.34	18.22	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.73	-1.34	20.24	<=38.45	Pass
			25	23.90	-1.34	20.41	<=38.45	Pass
			49	23.74	-1.34	20.25	<=38.45	Pass
		25	0	22.85	-1.34	19.36	<=38.45	Pass
			13	22.83	-1.34	19.34	<=38.45	Pass
			25	22.79	-1.34	19.30	<=38.45	Pass
		50	0	22.84	-1.34	19.35	<=38.45	Pass
	836.5	1	0	23.77	-1.34	20.28	<=38.45	Pass
			25	23.94	-1.34	20.45	<=38.45	Pass
			49	23.78	-1.34	20.29	<=38.45	Pass
		25	0	22.71	-1.34	19.22	<=38.45	Pass
			13	22.78	-1.34	19.29	<=38.45	Pass
			25	22.74	-1.34	19.25	<=38.45	Pass
		50	0	22.79	-1.34	19.30	<=38.45	Pass
	844	1	0	23.71	-1.34	20.22	<=38.45	Pass
			25	23.84	-1.34	20.35	<=38.45	Pass

16QAM	829	25	49	23.75	-1.34	20.26	<=38.45	Pass
			0	22.83	-1.34	19.34	<=38.45	Pass
			13	22.81	-1.34	19.32	<=38.45	Pass
			25	22.70	-1.34	19.21	<=38.45	Pass
		50	0	22.79	-1.34	19.30	<=38.45	Pass
	836.5	1	0	23.23	-1.34	19.74	<=38.45	Pass
			25	23.44	-1.34	19.95	<=38.45	Pass
			49	23.32	-1.34	19.83	<=38.45	Pass
		25	0	21.92	-1.34	18.43	<=38.45	Pass
			13	21.88	-1.34	18.39	<=38.45	Pass
			25	21.89	-1.34	18.40	<=38.45	Pass
		50	0	21.89	-1.34	18.40	<=38.45	Pass
		1	0	22.83	-1.34	19.34	<=38.45	Pass
			25	22.89	-1.34	19.40	<=38.45	Pass
			49	22.72	-1.34	19.23	<=38.45	Pass
		25	0	21.84	-1.34	18.35	<=38.45	Pass
			13	21.91	-1.34	18.42	<=38.45	Pass
			25	21.87	-1.34	18.38	<=38.45	Pass
	844	1	0	21.82	-1.34	18.33	<=38.45	Pass
			0	22.85	-1.34	19.36	<=38.45	Pass
			25	22.98	-1.34	19.49	<=38.45	Pass
		25	49	22.83	-1.34	19.34	<=38.45	Pass
			0	21.86	-1.34	18.37	<=38.45	Pass
			13	21.79	-1.34	18.30	<=38.45	Pass
			25	21.77	-1.34	18.28	<=38.45	Pass
		50	0	21.81	-1.34	18.32	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-3.347	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0072	-2.5 to 2.5	Pass
					4.43	-9.327	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-6.652	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-8.154	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.362	-0.0041	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.208	-0.0074	-2.5 to 2.5	Pass
					3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-6.995	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-7.052	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0080	-2.5 to 2.5	Pass

	848.3	6	0	30	3.85	-7.439	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-11.344	-0.0136	-2.5 to 2.5	Pass
				20	3.27	-7.725	-0.0091	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-8.097	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-8.941	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-9.427	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0038	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-4.492	-0.0054	-2.5 to 2.5	Pass
					3.85	-8.755	-0.0106	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.197	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-5.507	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-10.672	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-3.676	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.367	-0.0089	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-9.713	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0092	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-12.431	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-8.540	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-9.255	-0.0109	-2.5 to 2.5	Pass
					3.85	-9.270	-0.0109	-2.5 to 2.5	Pass
					4.43	-8.225	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-5.193	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.781	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.753	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0053	-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	-6.738	-0.0082	-2.5 to 2.5	Pass
					3.85	-7.010	-0.0085	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass

				-10	3.85	-6.738	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-6.838	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-9.255	-0.0111	-2.5 to 2.5	Pass
					3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-3.476	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0050	-2.5 to 2.5	Pass
				20	3.27	-1.717	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0026	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0026	-2.5 to 2.5	Pass
	847.5	15	0	-30	3.85	-5.350	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-5.379	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-4.277	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-3.762	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-9.041	-0.0107	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-5.021	-0.0061	-2.5 to 2.5	Pass
					3.85	-6.752	-0.0082	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-9.956	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-7.010	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0051	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-5.651	-0.0068	-2.5 to 2.5	Pass
					3.85	-7.195	-0.0086	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-7.896	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-3.691	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.602	-0.0019	-2.5 to 2.5	Pass
					3.85	0.830	0.0010	-2.5 to 2.5	Pass
					4.43	-0.358	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0088	-2.5 to 2.5	Pass

				40	3.85	-9.198	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-8.183	-0.0097	-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	-10.257	-0.0124	-2.5 to 2.5	Pass
					3.85	-8.984	-0.0109	-2.5 to 2.5	Pass
					4.43	-4.578	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-8.397	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-6.752	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-7.110	-0.0086	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-6.237	-0.0075	-2.5 to 2.5	Pass
					3.85	-5.722	-0.0068	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.253	-0.0087	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-11.616	-0.0139	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0057	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-3.619	-0.0043	-2.5 to 2.5	Pass
					3.85	-10.228	-0.0121	-2.5 to 2.5	Pass
					4.43	-6.080	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-7.753	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-6.051	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-11.215	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-6.294	-0.0076	-2.5 to 2.5	Pass
					3.85	-7.896	-0.0096	-2.5 to 2.5	Pass
					4.43	-7.453	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-8.912	-0.0108	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-3.920	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass

				0	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0069	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-6.995	-0.0083	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0053	-2.5 to 2.5	Pass
					4.43	-6.280	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-6.237	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-5.507	-0.0065	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0009	-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	-8.655	-0.0104	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0062	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-9.398	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-5.579	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-4.807	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0071	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.680	-0.0080	-2.5 to 2.5	Pass
					3.85	-8.926	-0.0107	-2.5 to 2.5	Pass
					4.43	-6.294	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.807	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-7.553	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.055	-0.0108	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-7.052	-0.0084	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0086	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-7.539	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-7.682	-0.0093	-2.5 to 2.5	Pass
					3.85	-10.729	-0.0129	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0046	-2.5 to 2.5	Pass

				-30	3.85	-8.354	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-4.377	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-8.869	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-7.067	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-7.210	-0.0086	-2.5 to 2.5	Pass
					3.85	-5.035	-0.0060	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-6.738	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-10.757	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-8.183	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-8.984	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-9.499	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-10.300	-0.0123	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-3.905	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.336	-0.0063	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-5.264	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-5.236	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-9.470	-0.0112	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
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					
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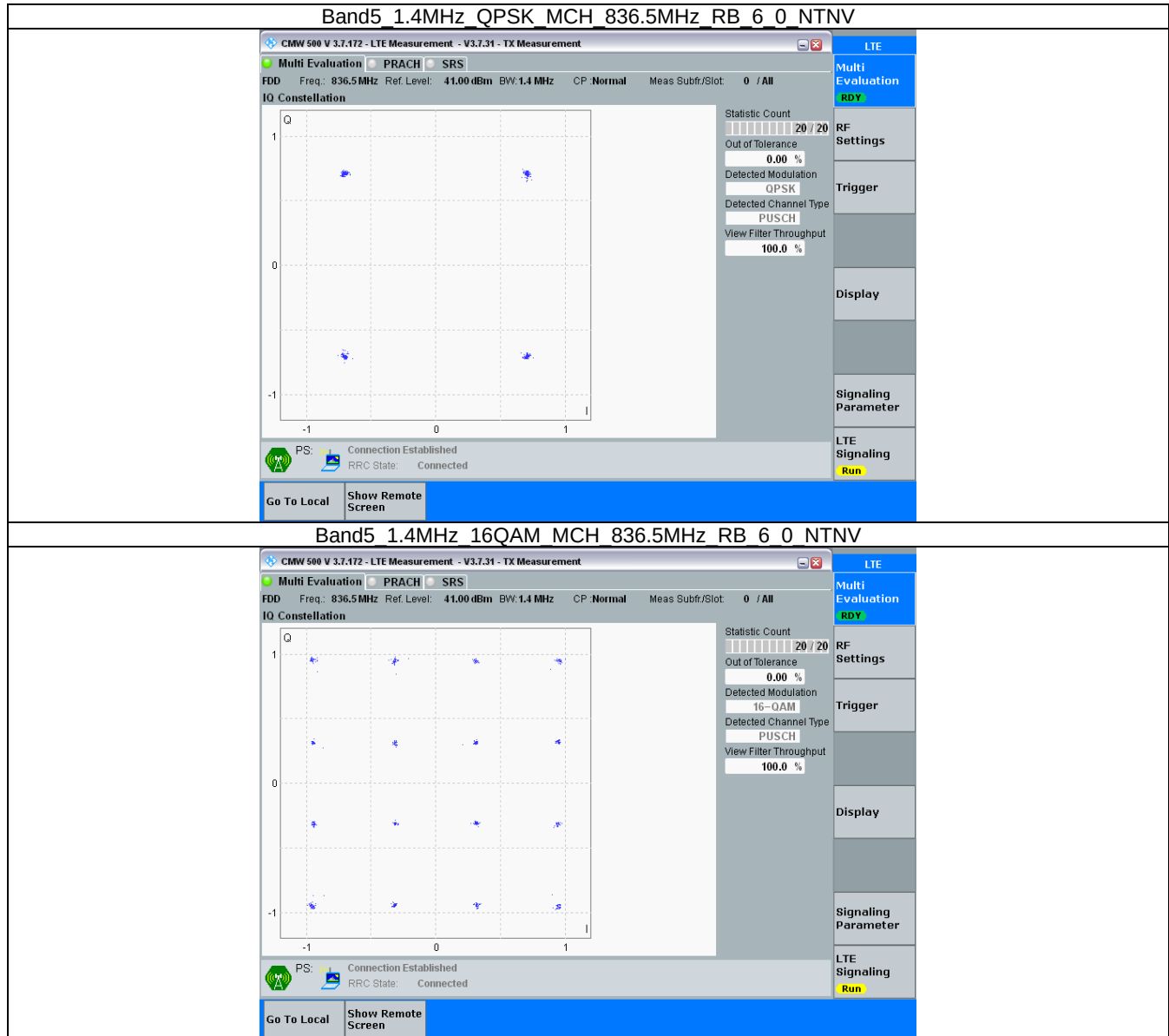
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

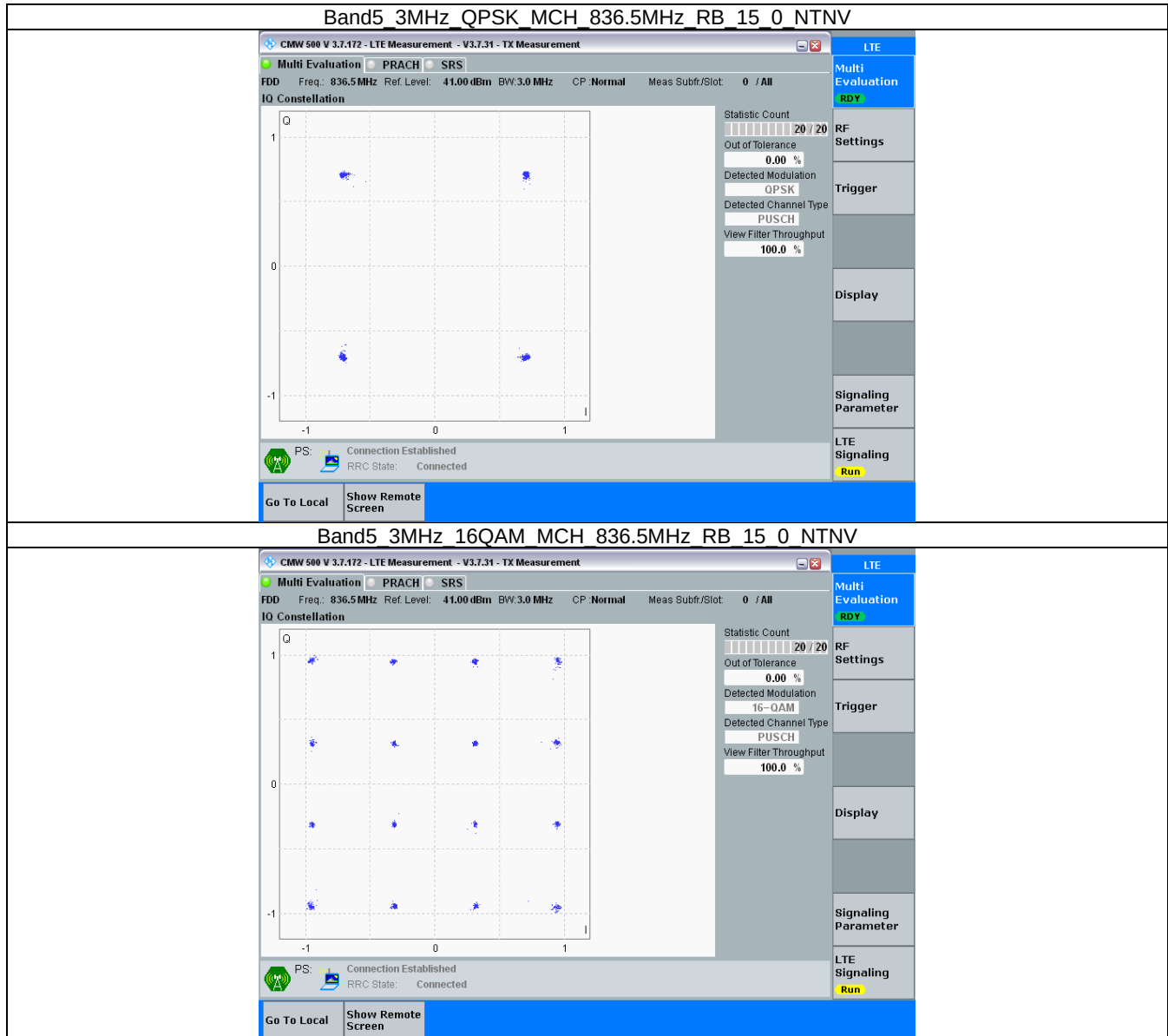
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

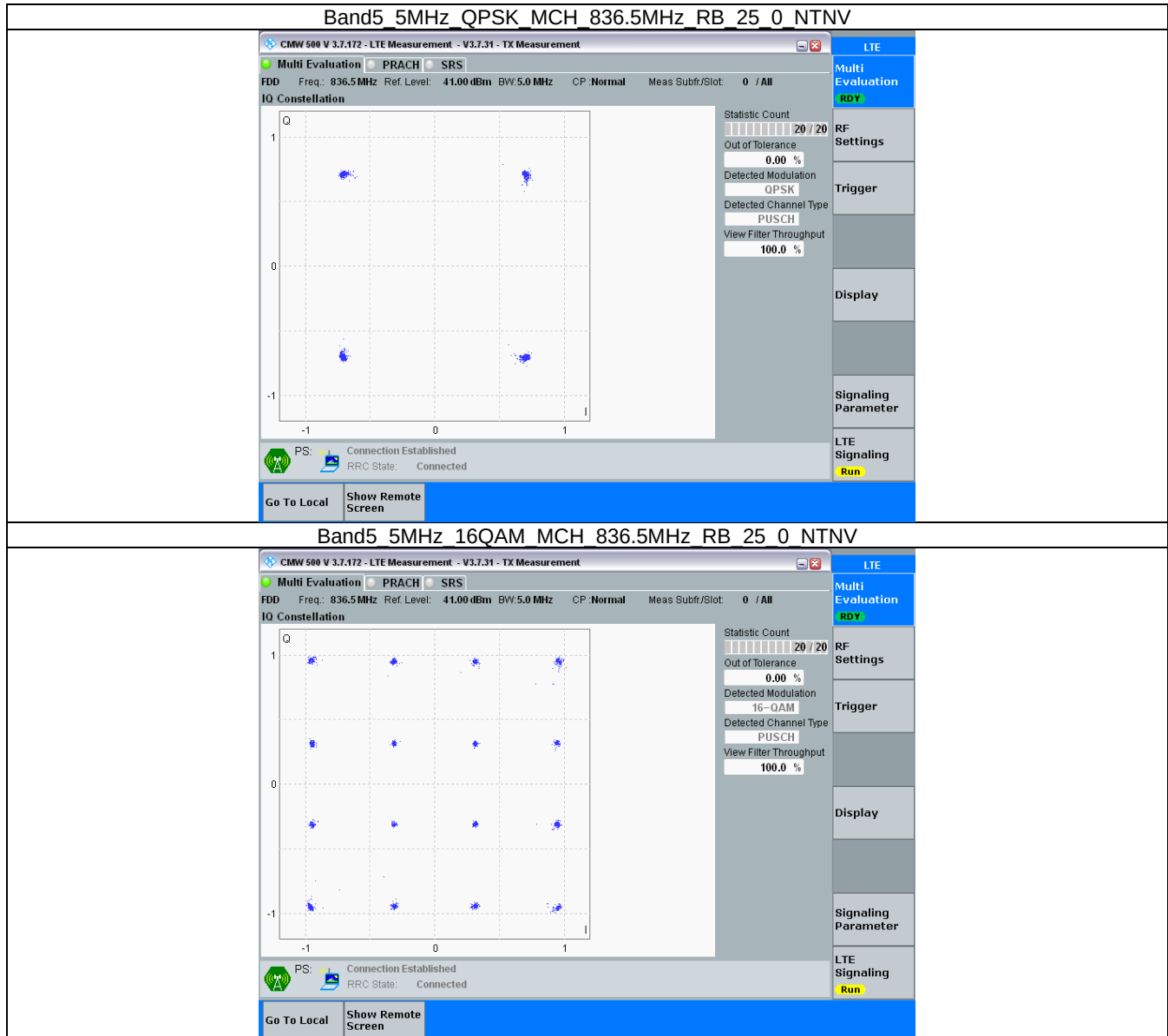
3.2.1 B5_1.4MHz



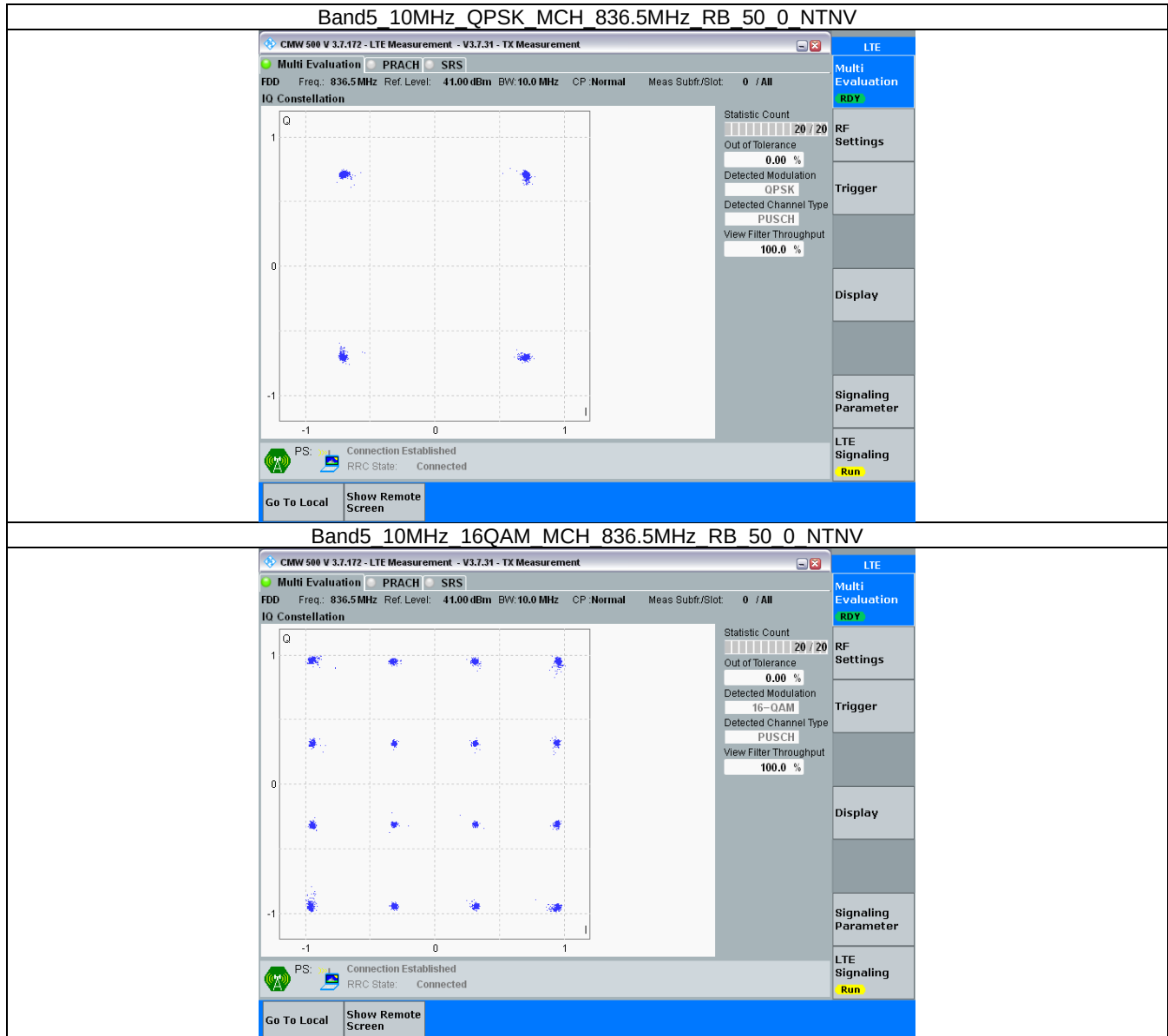
3.2.2 B5_3MHz



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	1.120	/	Pass
		836.5	6	0	1.116	/	Pass
		848.3	6	0	1.114	/	Pass
	16QAM	824.7	6	0	1.109	/	Pass
		836.5	6	0	1.100	/	Pass
		848.3	6	0	1.117	/	Pass
3	QPSK	825.5	15	0	2.738	/	Pass
		836.5	15	0	2.723	/	Pass
		847.5	15	0	2.717	/	Pass
	16QAM	825.5	15	0	2.721	/	Pass
		836.5	15	0	2.722	/	Pass
		847.5	15	0	2.727	/	Pass
5	QPSK	826.5	25	0	4.539	/	Pass
		836.5	25	0	4.541	/	Pass
		846.5	25	0	4.552	/	Pass
	16QAM	826.5	25	0	4.537	/	Pass
		836.5	25	0	4.548	/	Pass
		846.5	25	0	4.536	/	Pass
10	QPSK	829	50	0	9.078	/	Pass
		836.5	50	0	9.047	/	Pass
		844	50	0	9.069	/	Pass
	16QAM	829	50	0	9.061	/	Pass
		836.5	50	0	9.040	/	Pass
		844	50	0	9.039	/	Pass

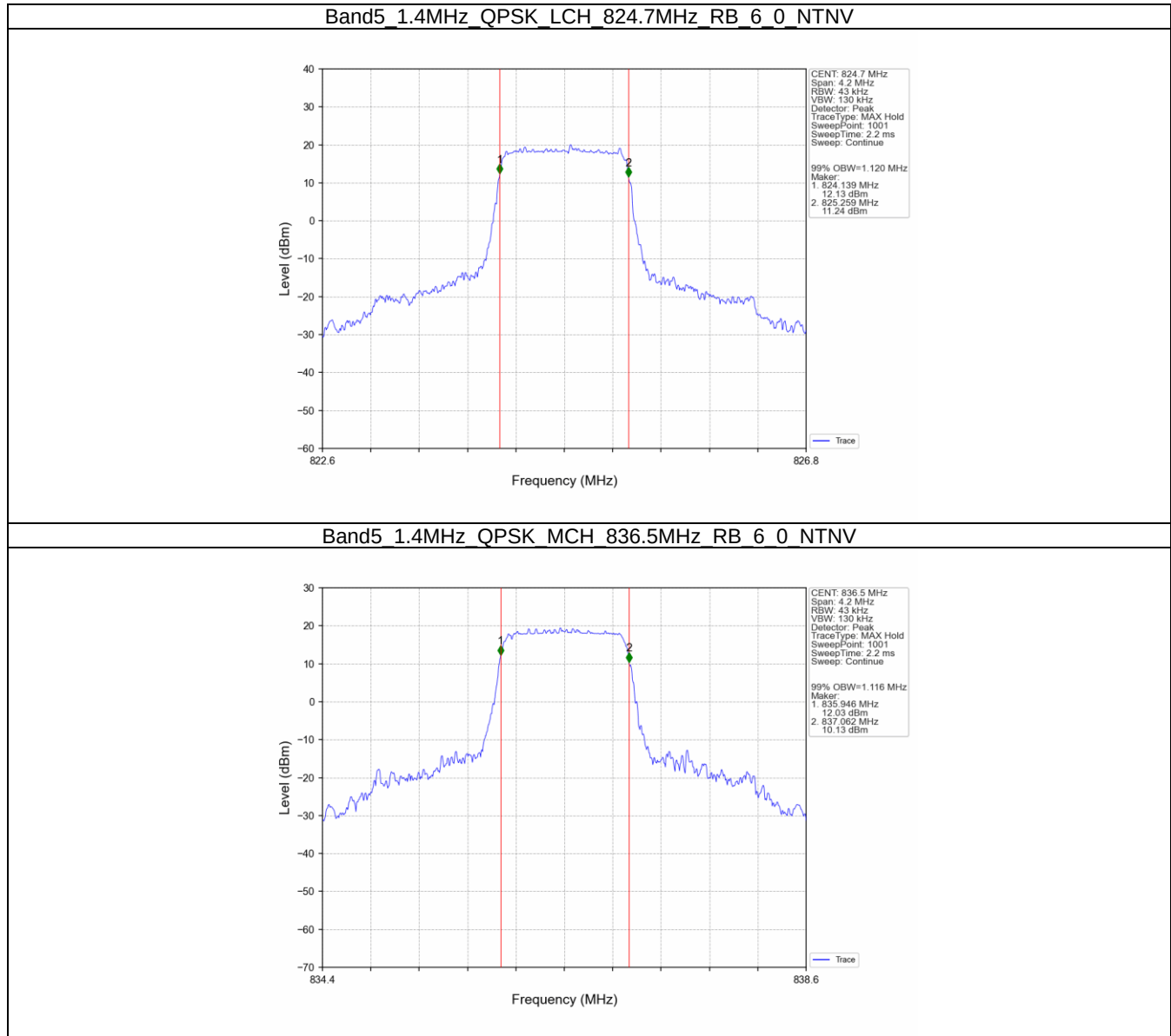
4.1.2 Band5_XDB

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	1.298	/	Pass
		836.5	6	0	1.333	/	Pass
		848.3	6	0	1.359	/	Pass
	16QAM	824.7	6	0	1.327	/	Pass
		836.5	6	0	1.305	/	Pass
		848.3	6	0	1.321	/	Pass
3	QPSK	825.5	15	0	2.996	/	Pass
		836.5	15	0	3.010	/	Pass
		847.5	15	0	2.987	/	Pass
	16QAM	825.5	15	0	3.001	/	Pass
		836.5	15	0	2.981	/	Pass
		847.5	15	0	3.014	/	Pass
5	QPSK	826.5	25	0	5.014	/	Pass
		836.5	25	0	5.054	/	Pass
		846.5	25	0	5.041	/	Pass

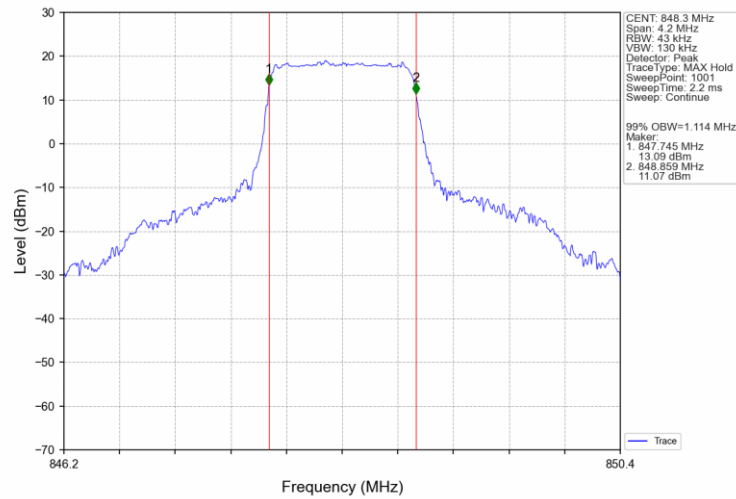
10	16QAM	826.5	25	0	5.051	/	Pass
		836.5	25	0	5.016	/	Pass
		846.5	25	0	5.028	/	Pass
	QPSK	829	50	0	9.983	/	Pass
		836.5	50	0	9.955	/	Pass
		844	50	0	9.935	/	Pass
	16QAM	829	50	0	9.877	/	Pass
		836.5	50	0	9.911	/	Pass
		844	50	0	9.922	/	Pass

4.2 Test Graph

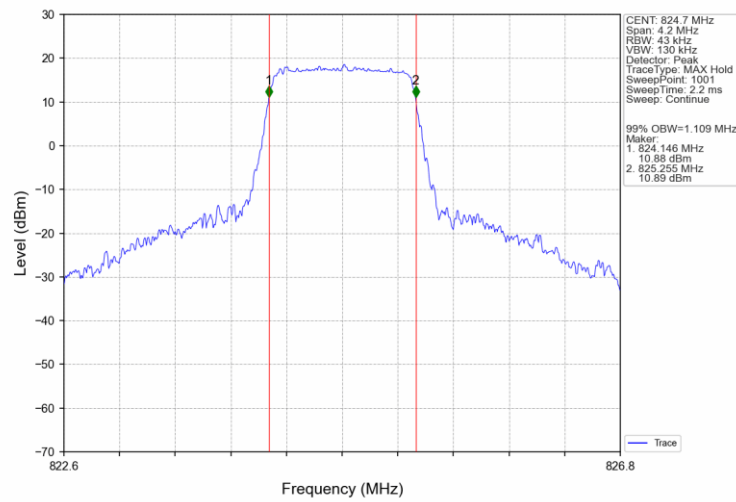
4.2.1 Band5_OBW



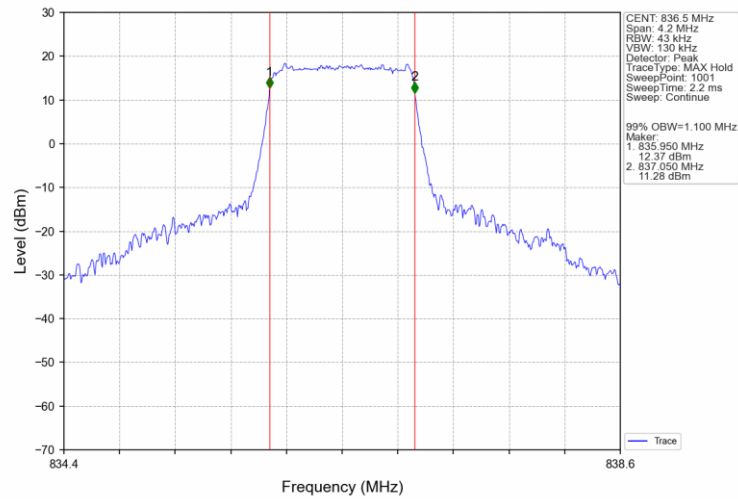
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



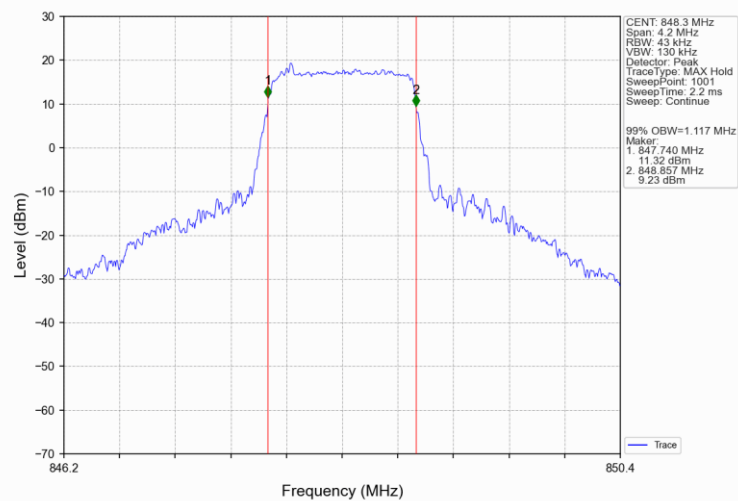
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



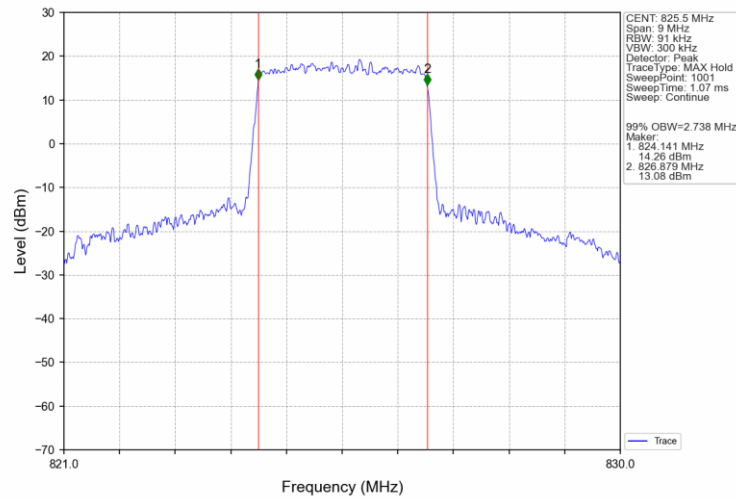
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



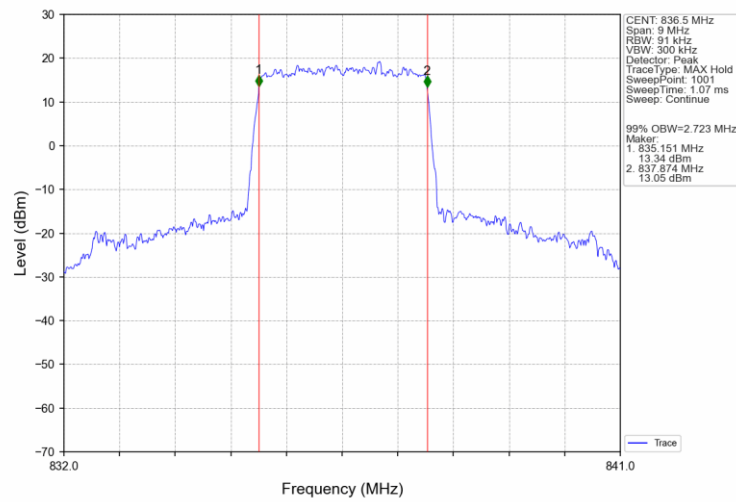
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



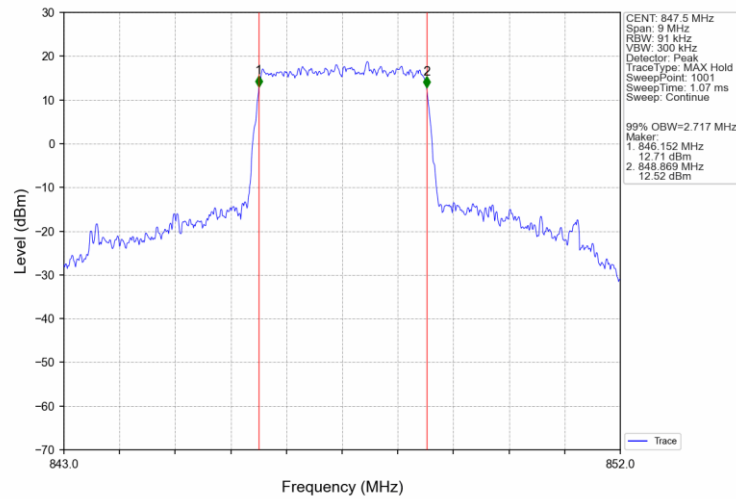
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



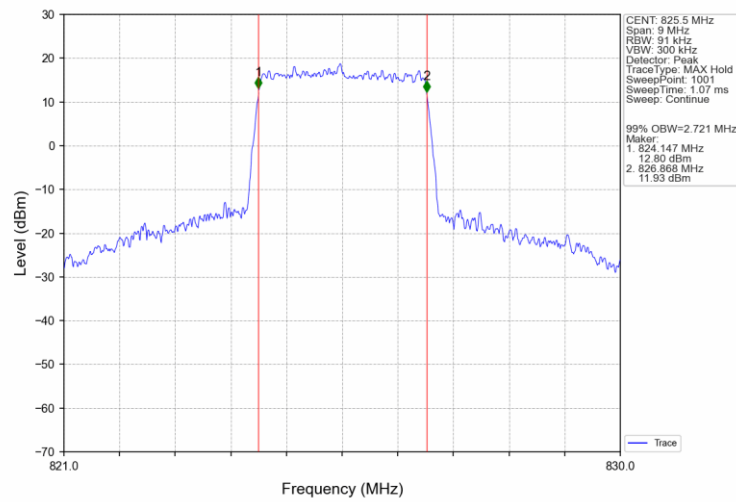
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



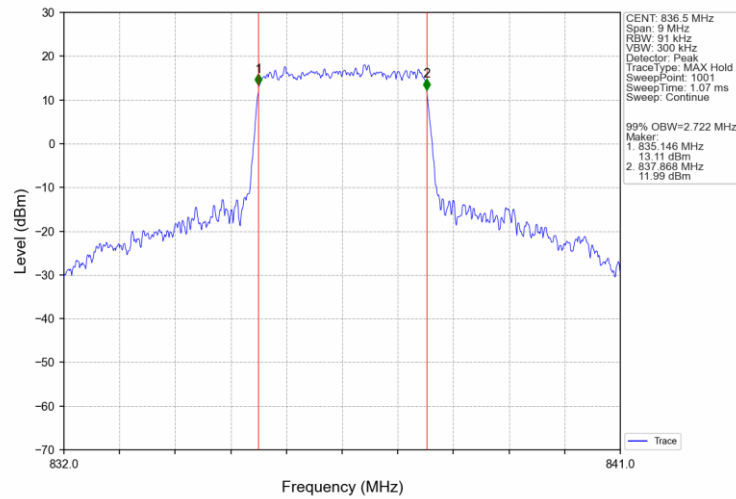
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



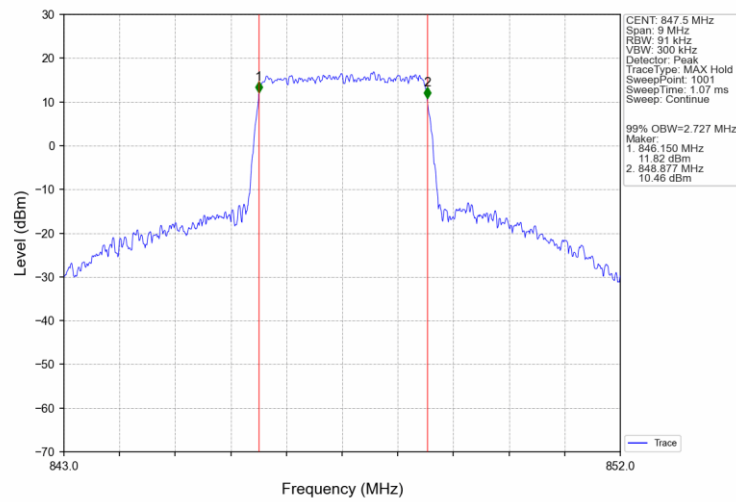
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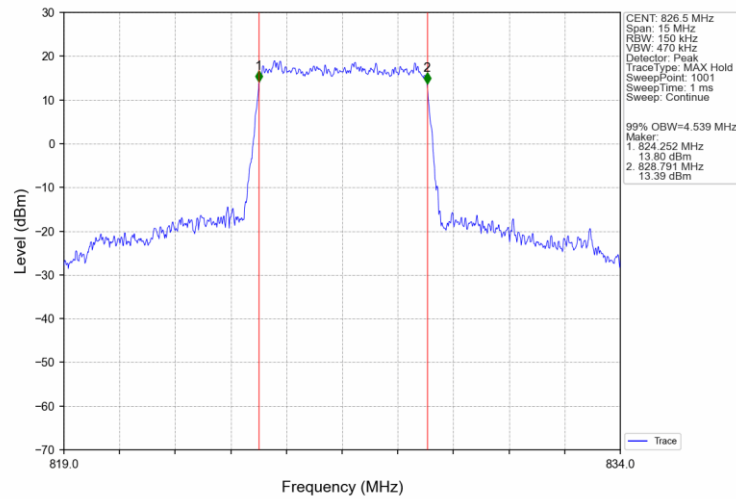
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



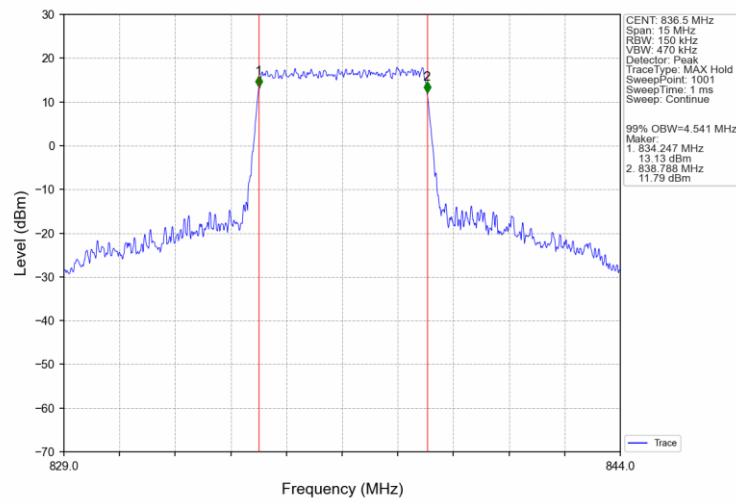
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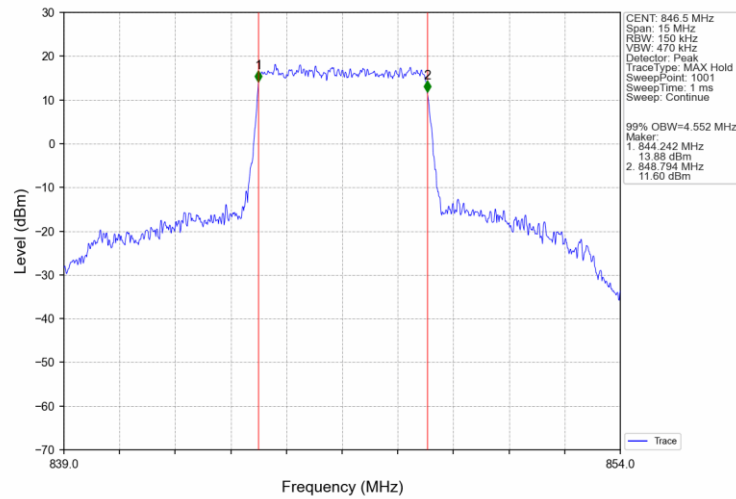
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



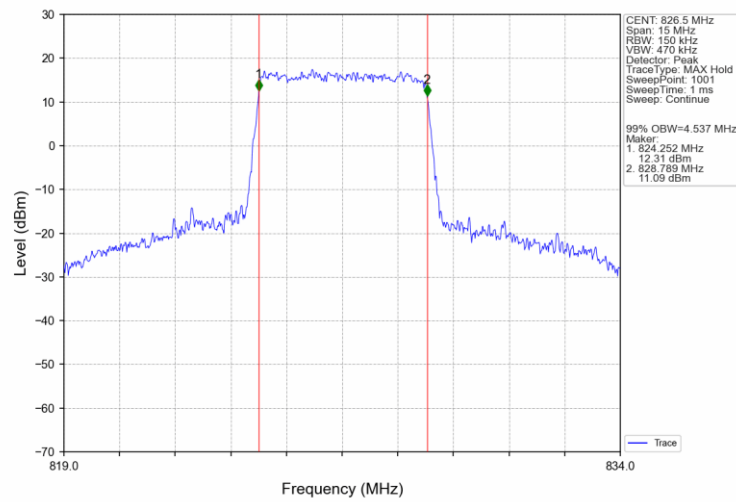
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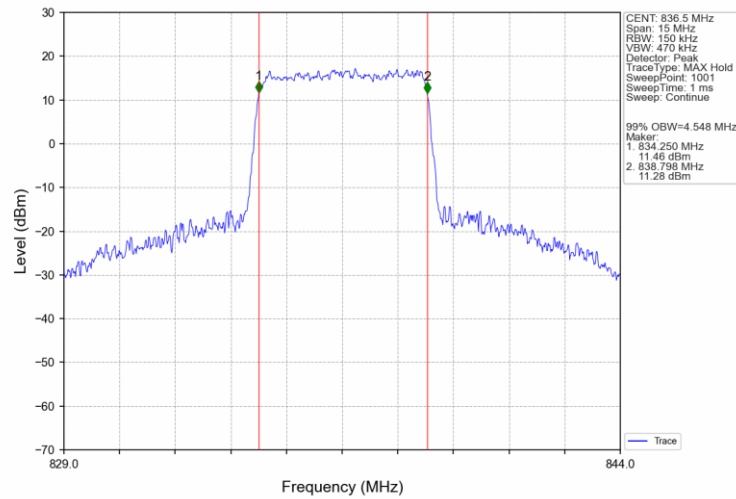
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



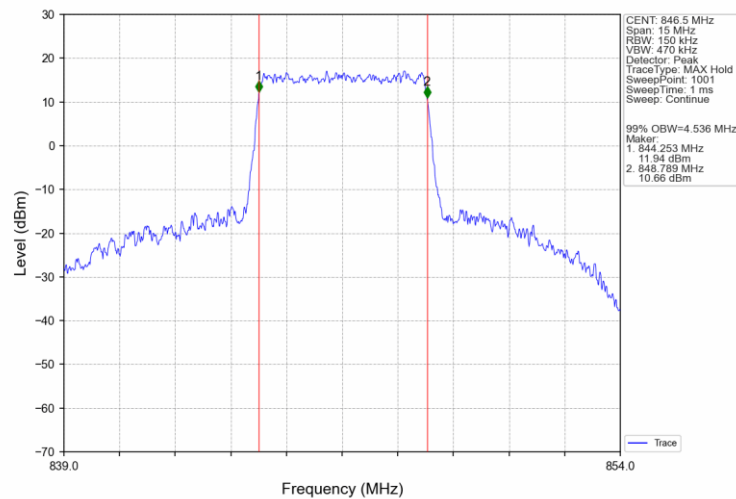
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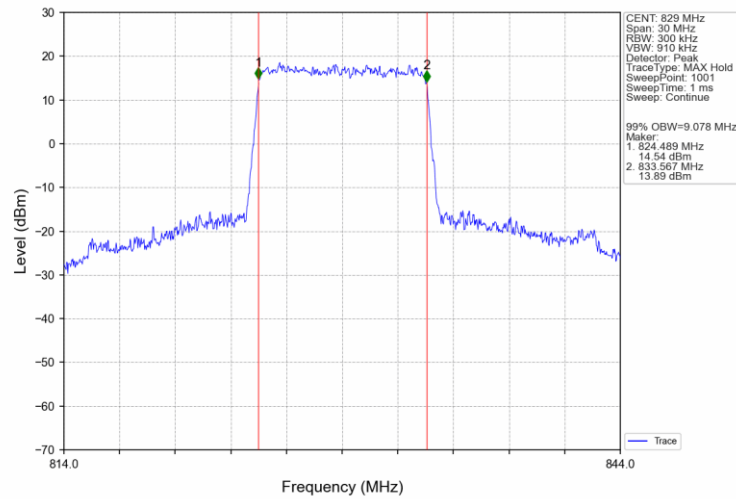
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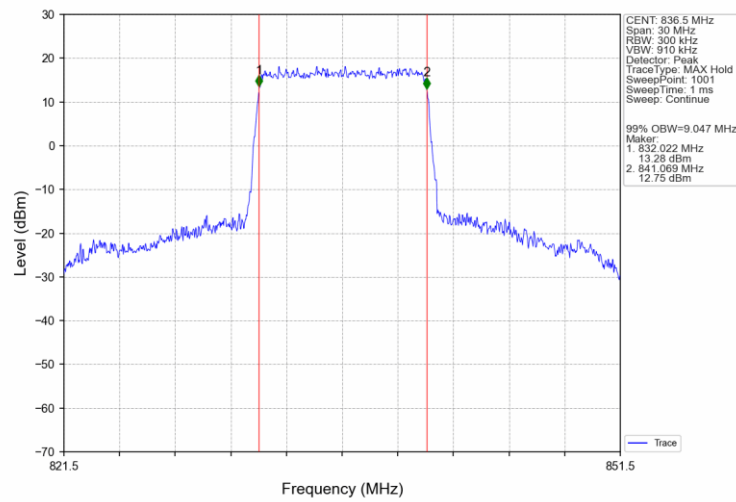
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



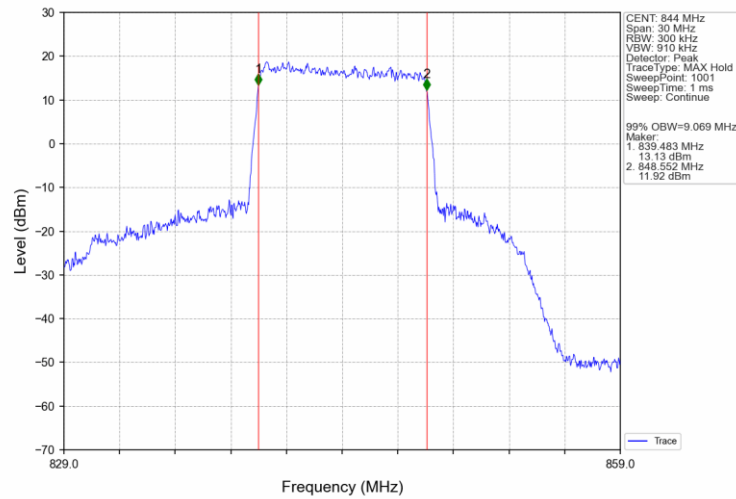
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



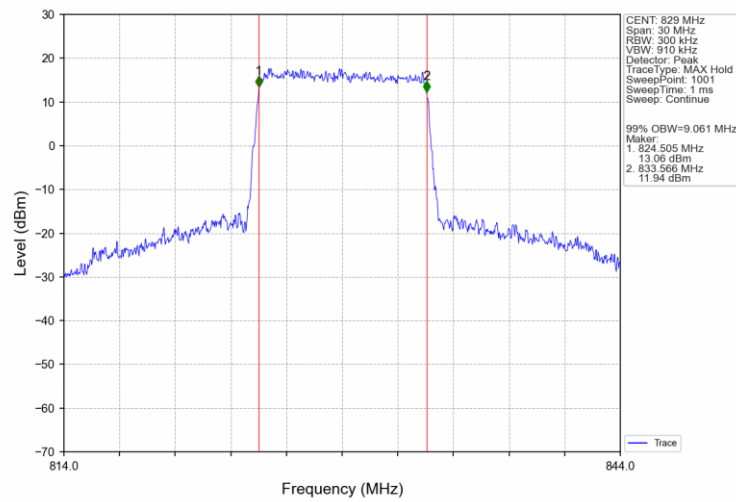
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



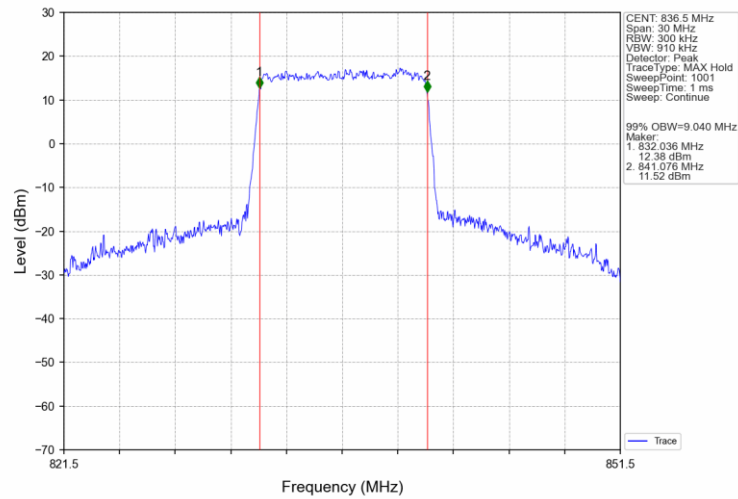
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



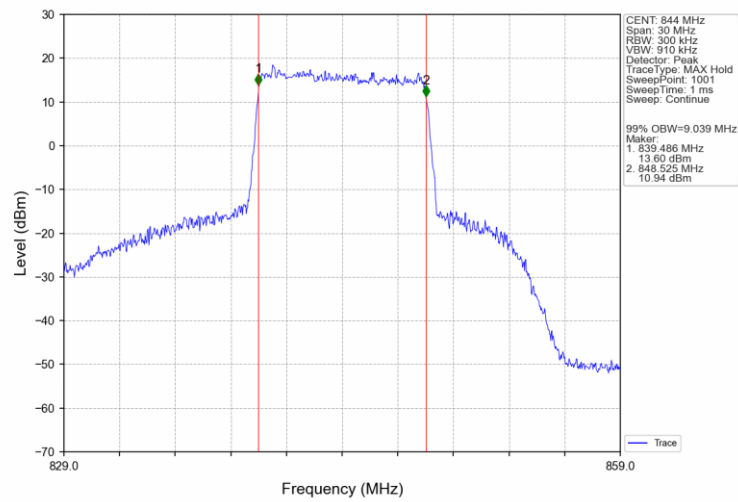
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

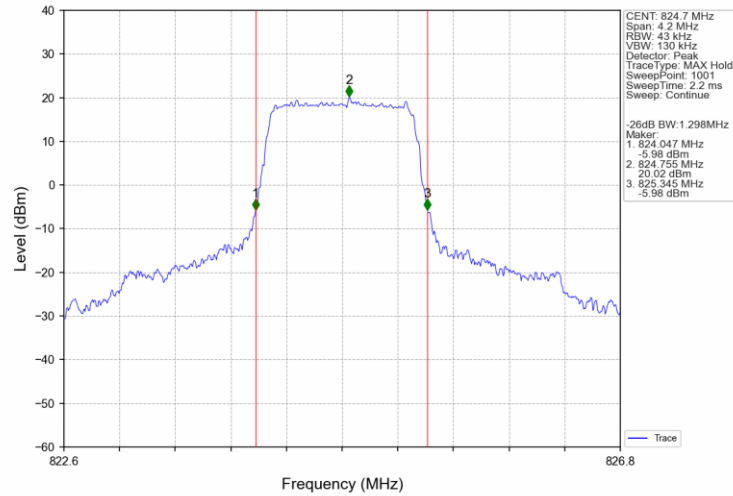


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

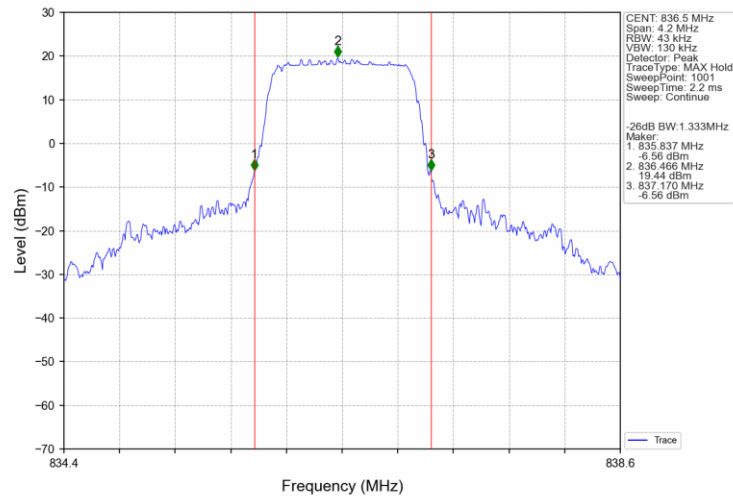


4.2.2 Band5_XDB

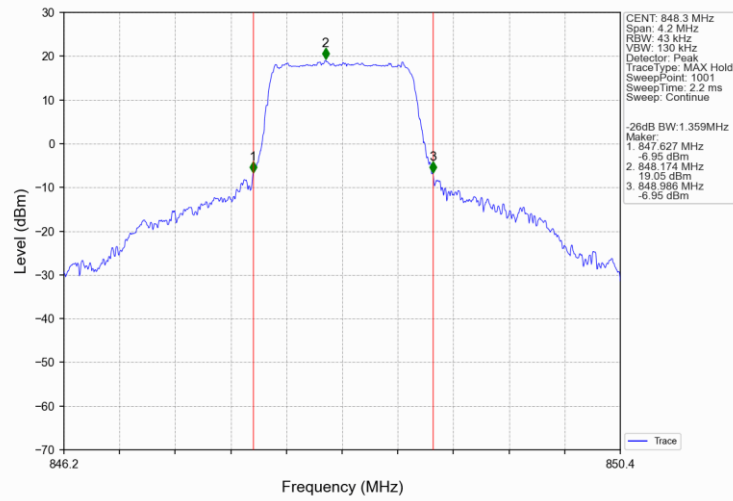
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



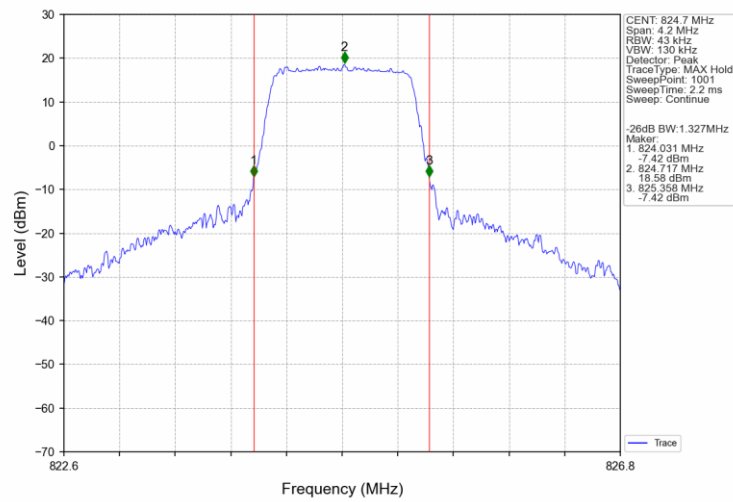
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



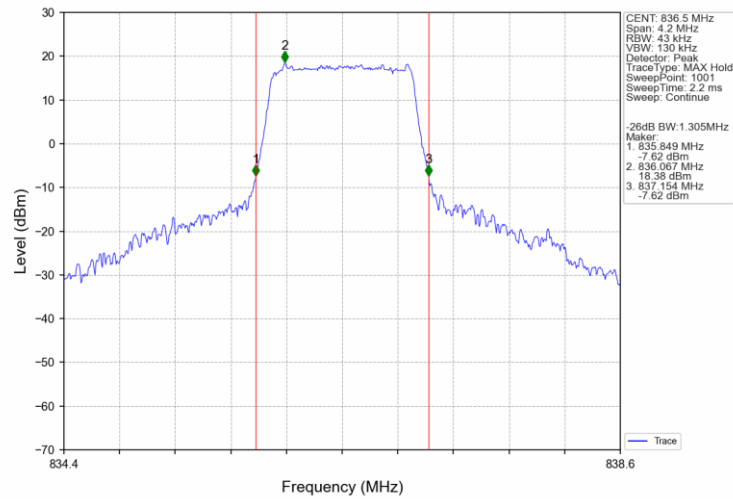
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



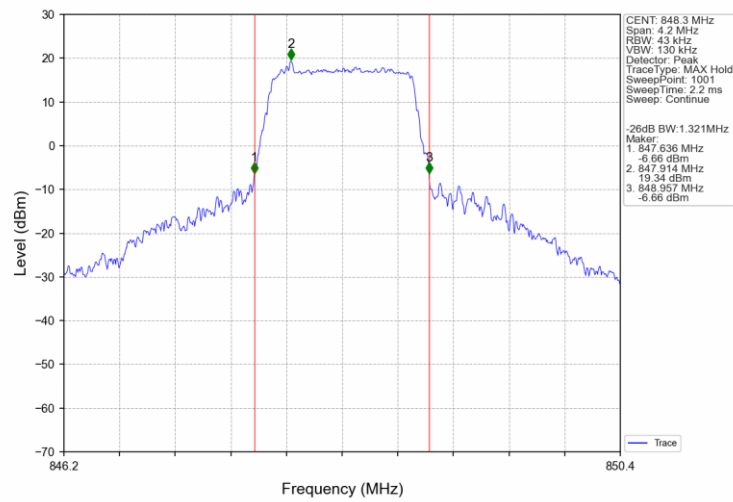
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



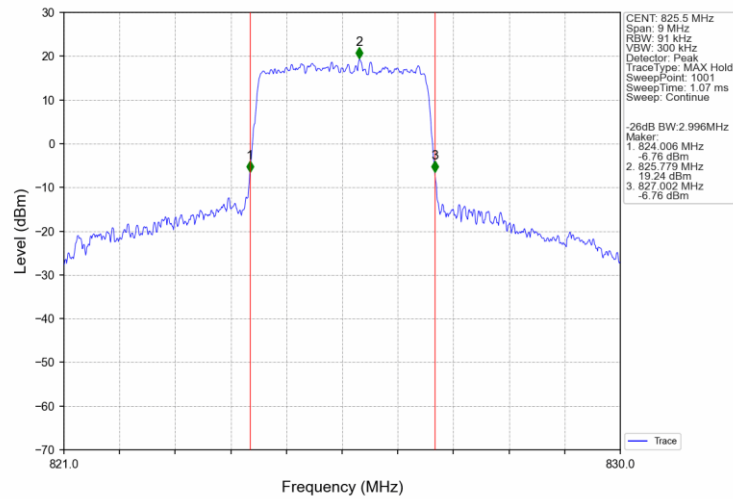
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



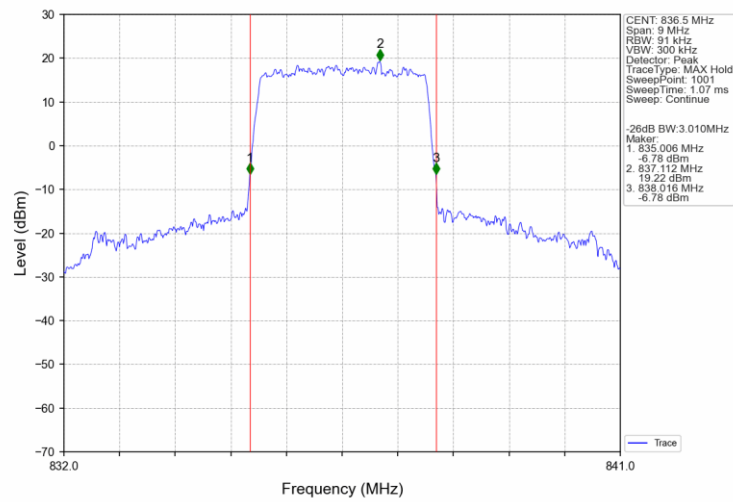
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



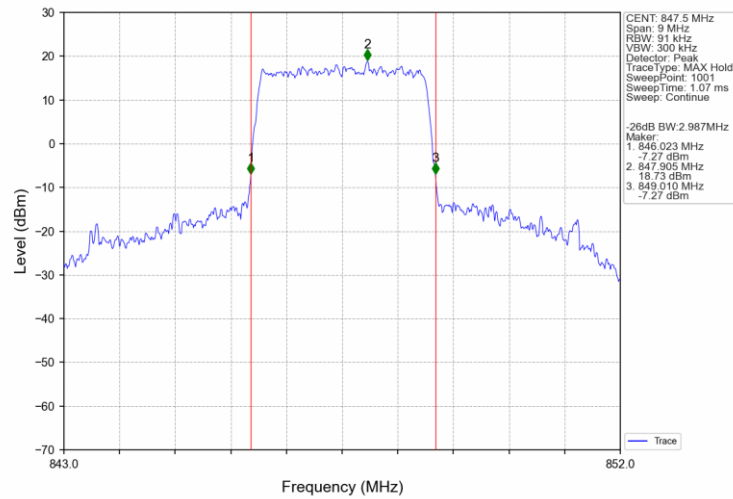
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



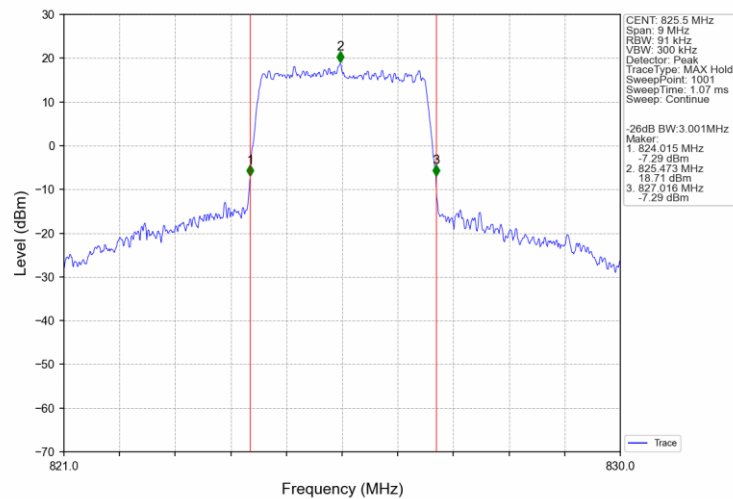
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



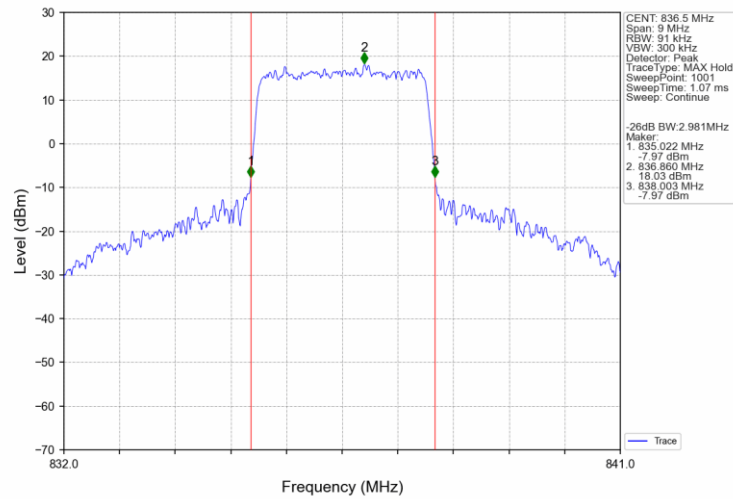
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



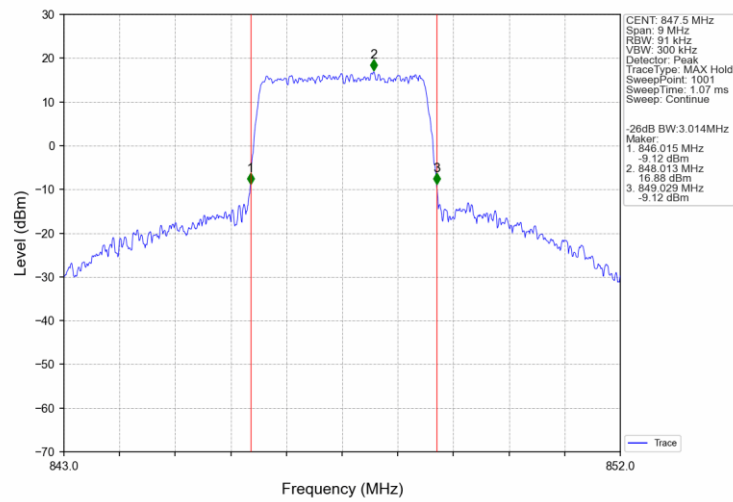
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



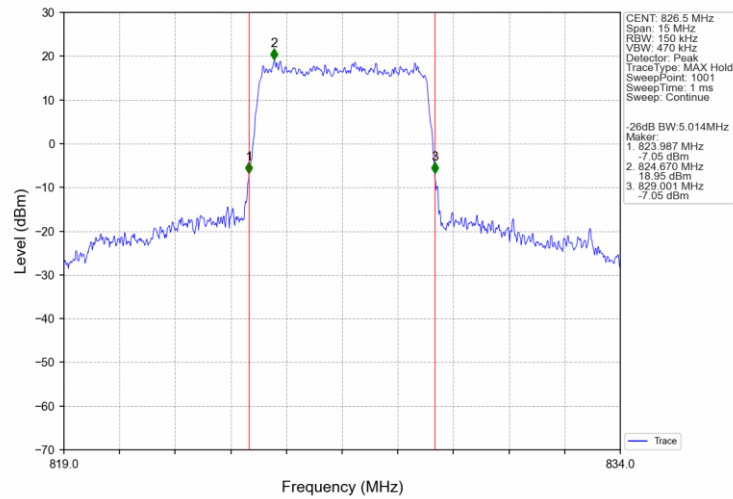
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



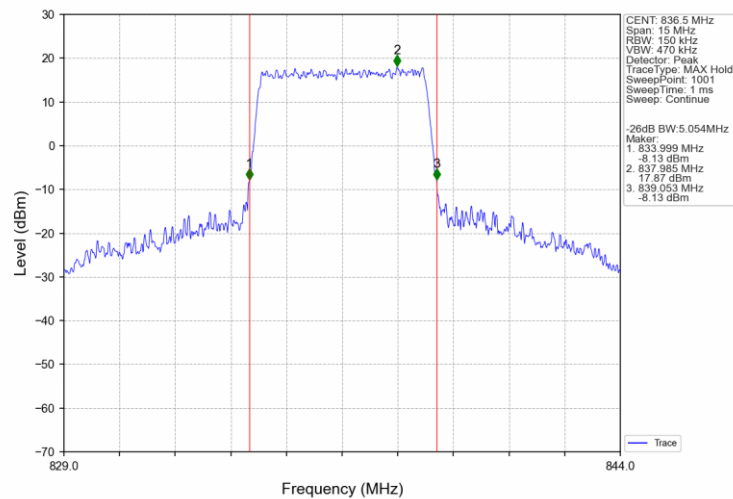
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



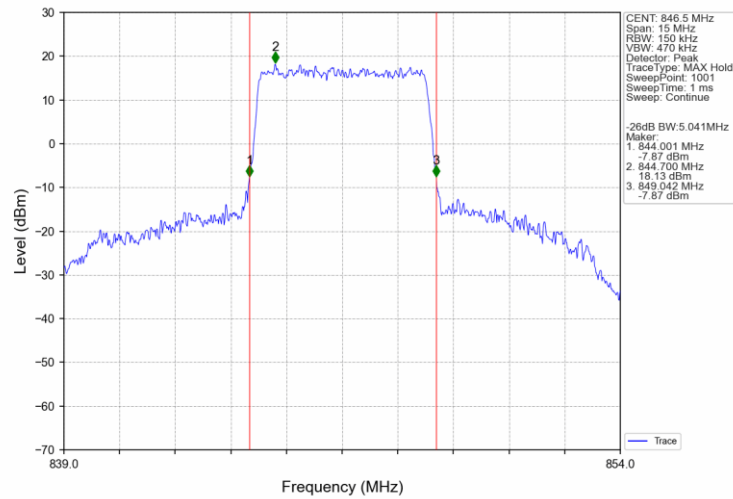
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



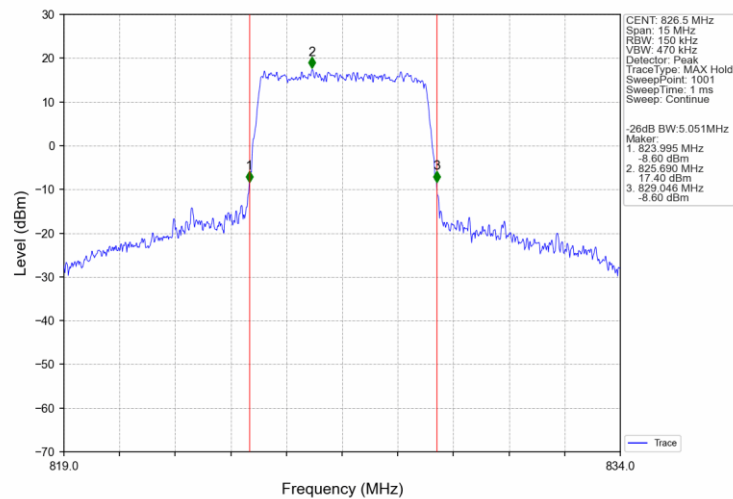
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



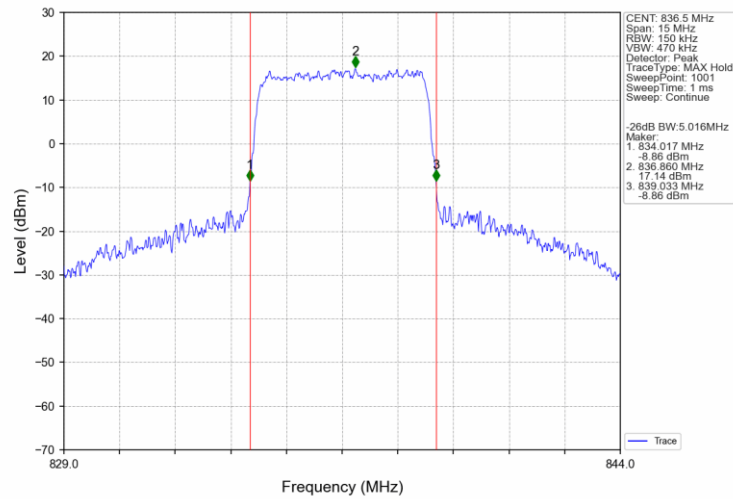
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



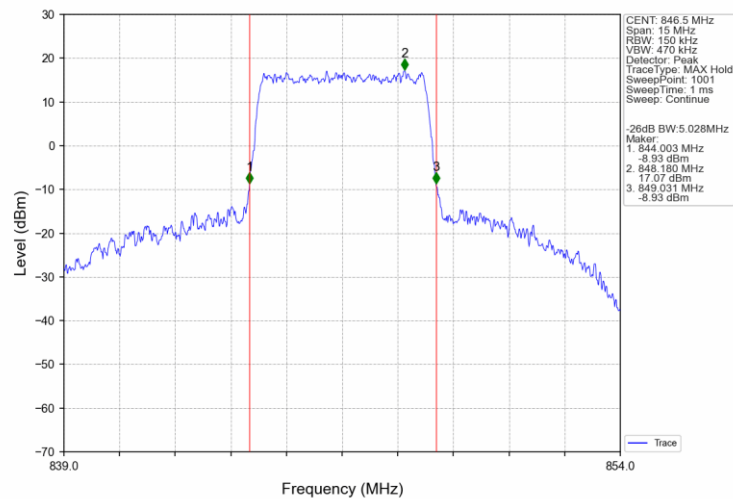
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



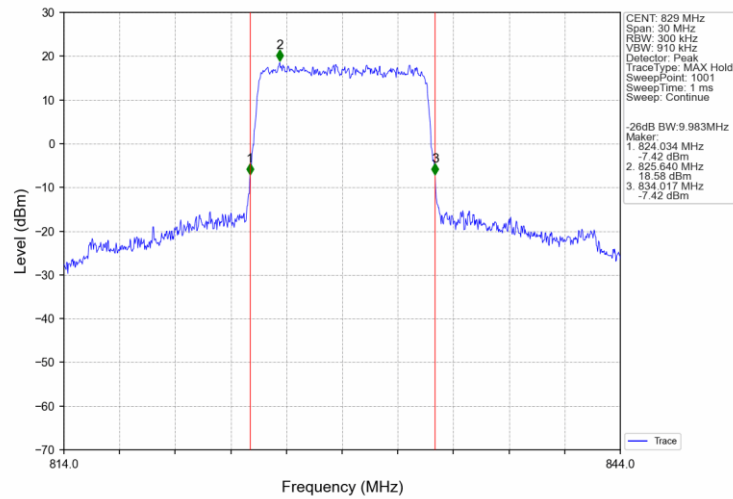
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



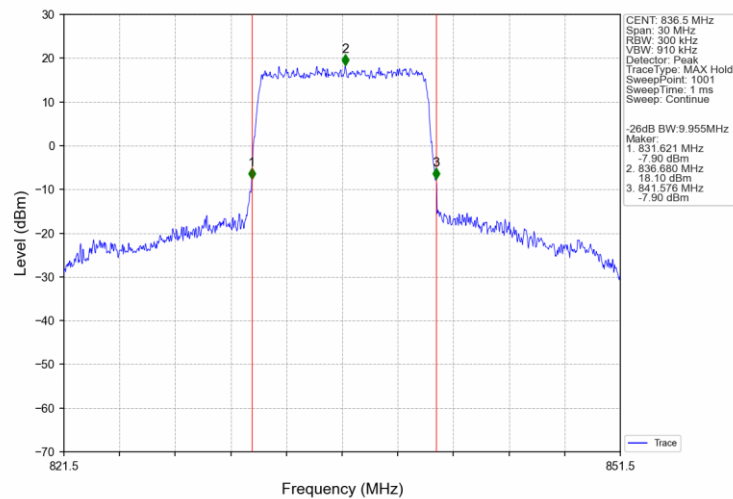
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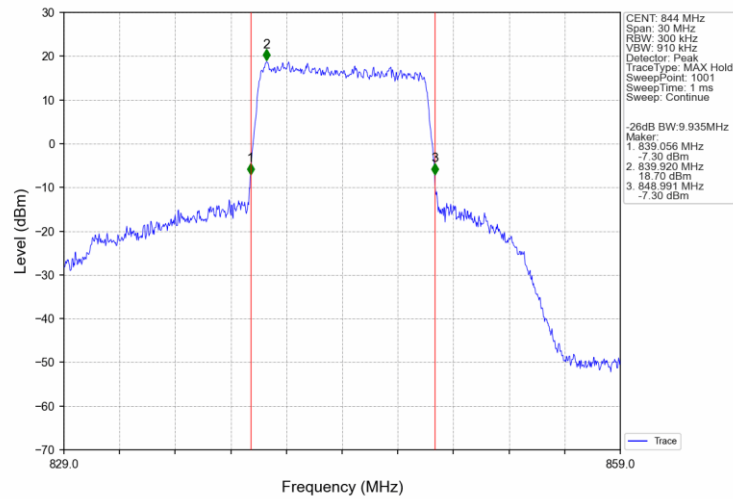
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



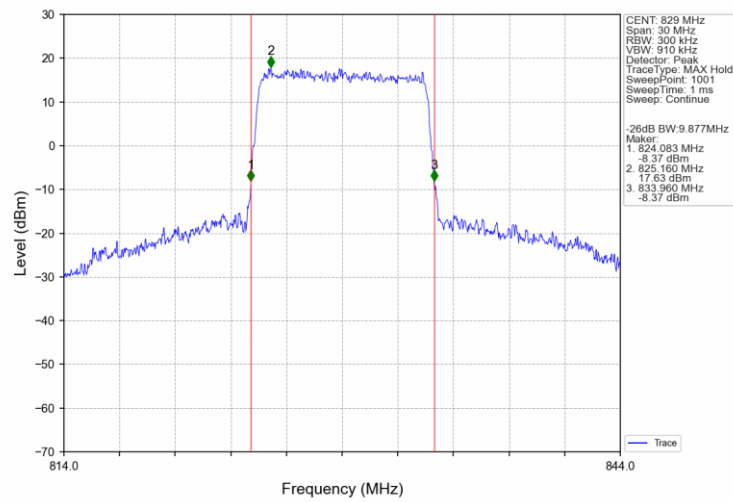
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



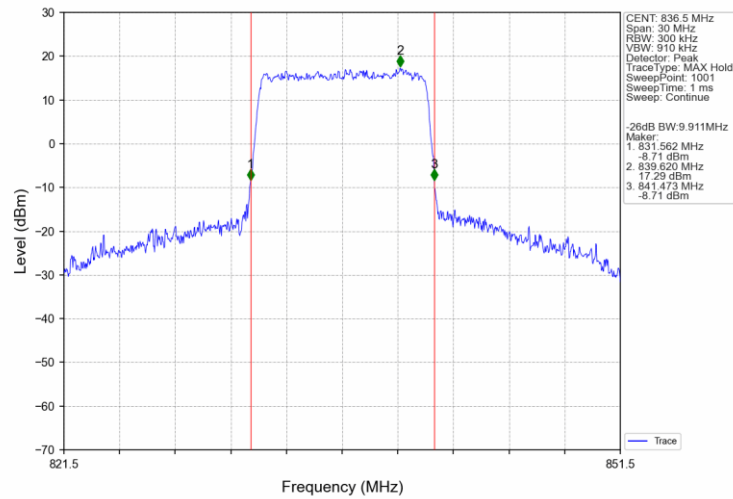
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



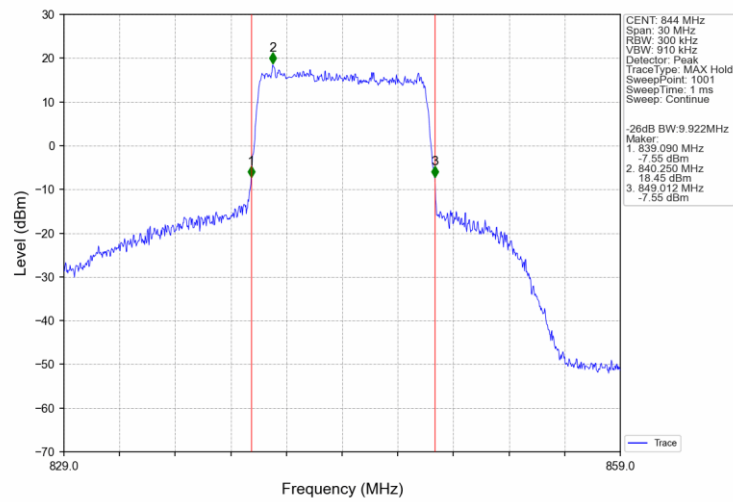
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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	4.52	<=13	Pass
	836.5	6	0	4.68	<=13	Pass
	848.3	6	0	4.32	<=13	Pass
16QAM	824.7	6	0	5.42	<=13	Pass
	836.5	6	0	5.57	<=13	Pass
	848.3	6	0	5.32	<=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	4.82	<=13	Pass
	836.5	15	0	5.14	<=13	Pass
	847.5	15	0	4.87	<=13	Pass
16QAM	825.5	15	0	5.67	<=13	Pass
	836.5	15	0	6.02	<=13	Pass
	847.5	15	0	5.73	<=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	5.37	<=13	Pass
	836.5	25	0	5.41	<=13	Pass
	846.5	25	0	5.22	<=13	Pass
16QAM	826.5	25	0	6.10	<=13	Pass
	836.5	25	0	6.14	<=13	Pass
	846.5	25	0	5.98	<=13	Pass

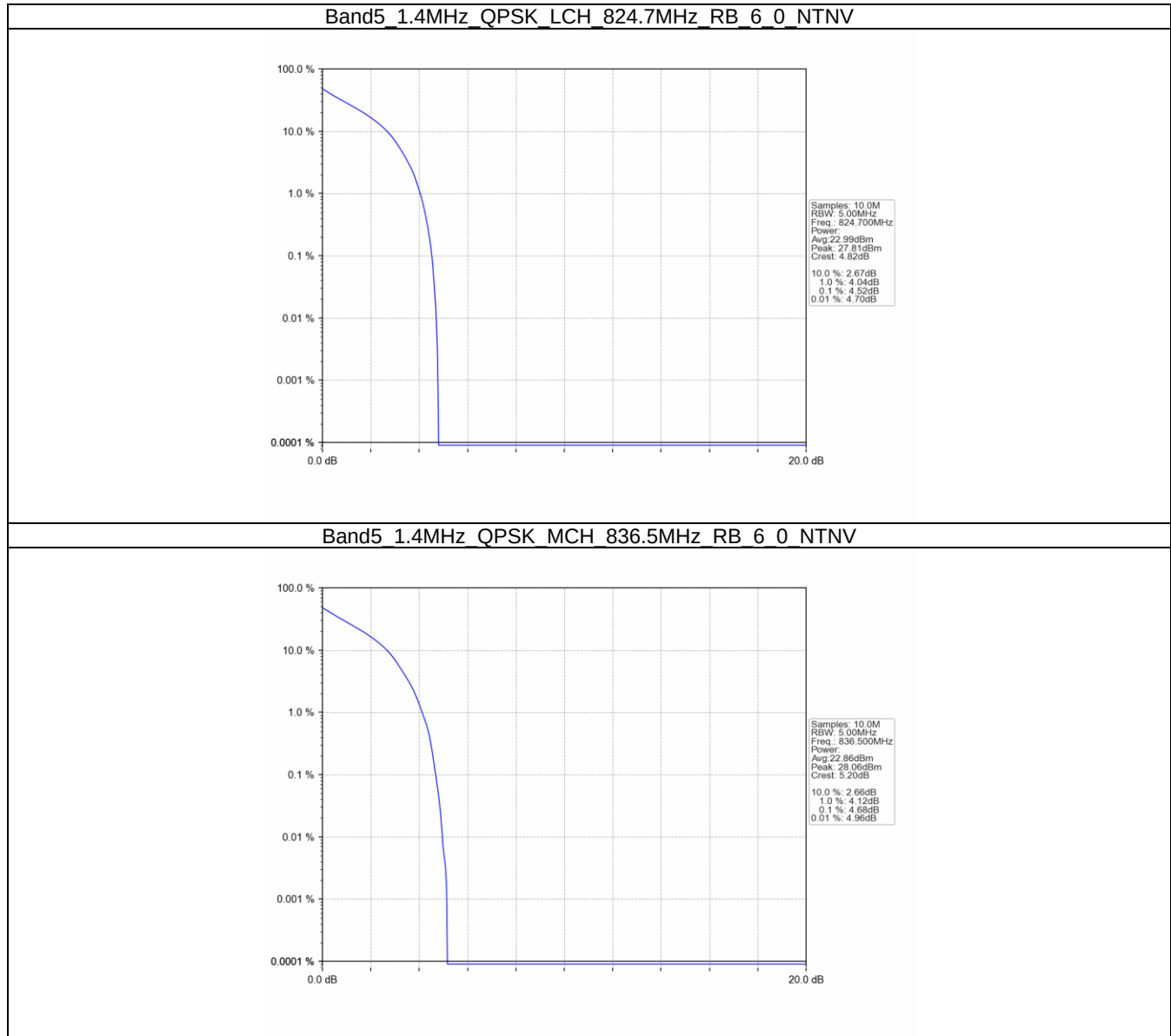
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.40	<=13	Pass
	836.5	50	0	5.36	<=13	Pass
	844	50	0	5.23	<=13	Pass
16QAM	829	50	0	6.21	<=13	Pass
	836.5	50	0	6.16	<=13	Pass
	844	50	0	5.99	<=13	Pass

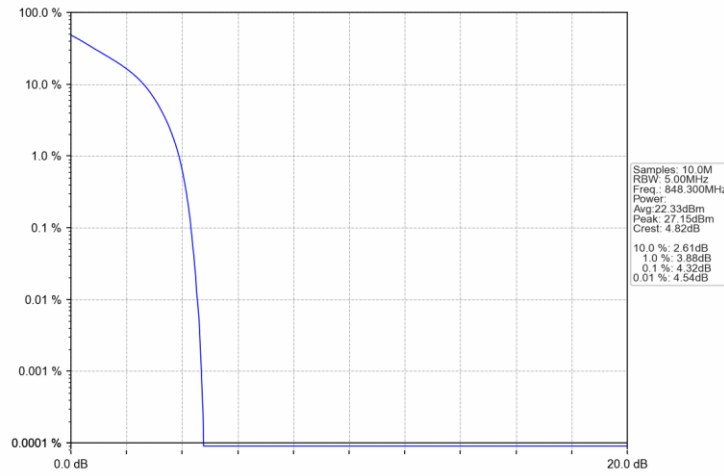


5.2 Test Graph

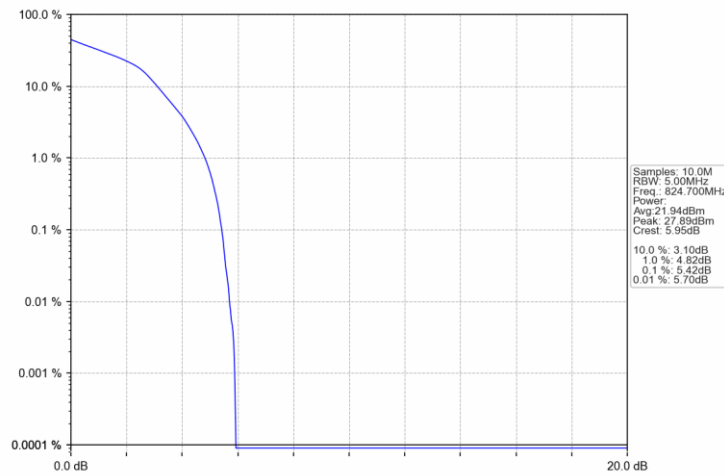
5.2.1 B5_1.4MHz



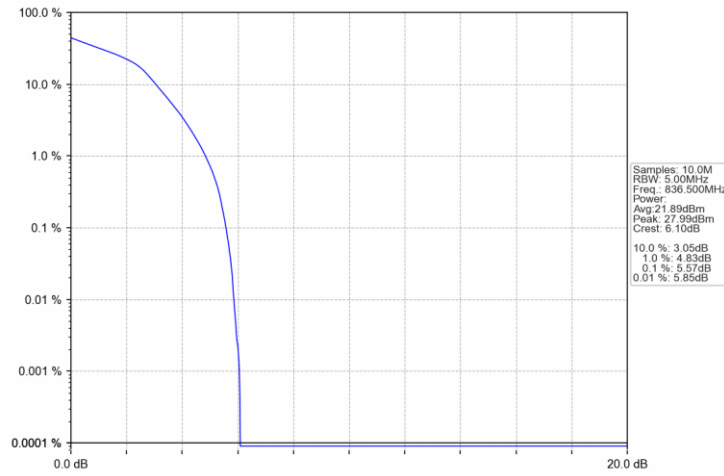
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



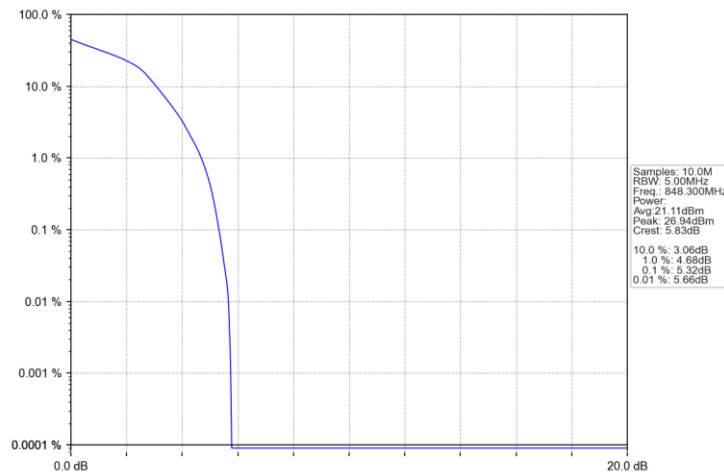
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

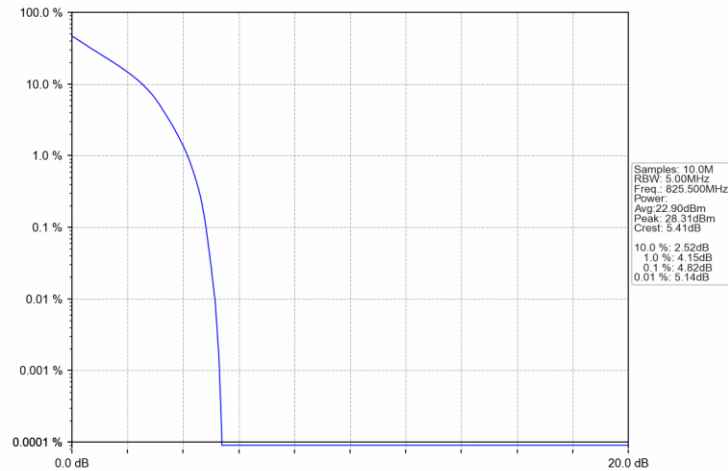


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

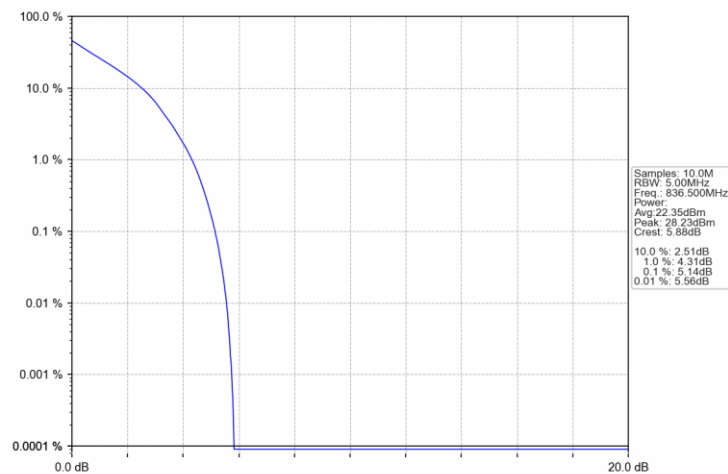


5.2.2 B5_3MHz

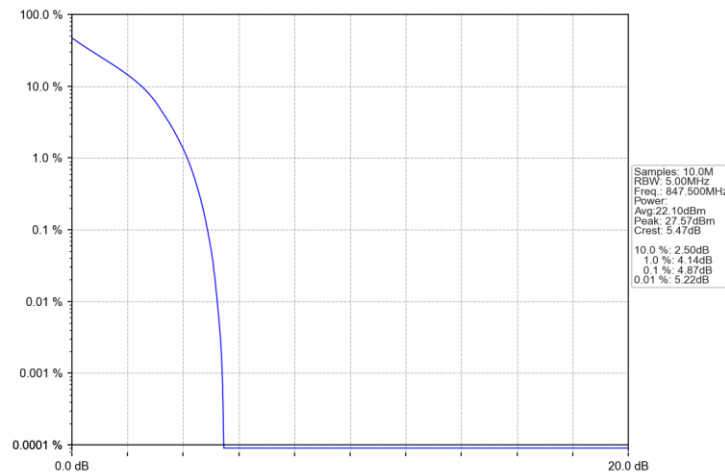
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



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

