

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	24.35	-2.45	19.75	<=38.45	Pass
			2	24.46	-2.45	19.86	<=38.45	Pass
			5	24.40	-2.45	19.80	<=38.45	Pass
		3	0	24.46	-2.45	19.86	<=38.45	Pass
			2	24.49	-2.45	19.89	<=38.45	Pass
			3	24.41	-2.45	19.81	<=38.45	Pass
		6	0	23.43	-2.45	18.83	<=38.45	Pass
	836.5	1	0	23.81	-2.45	19.21	<=38.45	Pass
			2	23.91	-2.45	19.31	<=38.45	Pass
			5	23.79	-2.45	19.19	<=38.45	Pass
		3	0	23.94	-2.45	19.34	<=38.45	Pass
			2	23.95	-2.45	19.35	<=38.45	Pass
			3	23.93	-2.45	19.33	<=38.45	Pass
		6	0	22.89	-2.45	18.29	<=38.45	Pass
	848.3	1	0	23.82	-2.45	19.22	<=38.45	Pass
			2	23.98	-2.45	19.38	<=38.45	Pass
			5	23.88	-2.45	19.28	<=38.45	Pass
		3	0	23.86	-2.45	19.26	<=38.45	Pass
			2	23.88	-2.45	19.28	<=38.45	Pass
			3	23.87	-2.45	19.27	<=38.45	Pass
		6	0	22.86	-2.45	18.26	<=38.45	Pass
16QAM	824.7	1	0	23.46	-2.45	18.86	<=38.45	Pass
			2	23.60	-2.45	19.00	<=38.45	Pass
			5	23.51	-2.45	18.91	<=38.45	Pass
		3	0	23.27	-2.45	18.67	<=38.45	Pass
			2	23.27	-2.45	18.67	<=38.45	Pass
			3	23.01	-2.45	18.41	<=38.45	Pass
		6	0	22.10	-2.45	17.50	<=38.45	Pass
	836.5	1	0	22.82	-2.45	18.22	<=38.45	Pass
			2	22.91	-2.45	18.31	<=38.45	Pass
			5	22.83	-2.45	18.23	<=38.45	Pass
		3	0	23.13	-2.45	18.53	<=38.45	Pass
			2	23.14	-2.45	18.54	<=38.45	Pass
			3	23.12	-2.45	18.52	<=38.45	Pass
		6	0	21.89	-2.45	17.29	<=38.45	Pass
	848.3	1	0	22.80	-2.45	18.20	<=38.45	Pass
			2	22.89	-2.45	18.29	<=38.45	Pass
			5	22.79	-2.45	18.19	<=38.45	Pass
		3	0	22.86	-2.45	18.26	<=38.45	Pass
			2	22.88	-2.45	18.28	<=38.45	Pass
			3	22.84	-2.45	18.24	<=38.45	Pass
		6	0	21.77	-2.45	17.17	<=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	24.43	-2.45	19.83	<=38.45	Pass
			7	24.22	-2.45	19.62	<=38.45	Pass
			14	23.90	-2.45	19.30	<=38.45	Pass
		8	0	22.91	-2.45	18.31	<=38.45	Pass
			4	22.97	-2.45	18.37	<=38.45	Pass
			7	22.87	-2.45	18.27	<=38.45	Pass
		15	0	22.88	-2.45	18.28	<=38.45	Pass
	836.5	1	0	23.94	-2.45	19.34	<=38.45	Pass
			7	24.04	-2.45	19.44	<=38.45	Pass
			14	23.94	-2.45	19.34	<=38.45	Pass
		8	0	22.92	-2.45	18.32	<=38.45	Pass
			4	22.99	-2.45	18.39	<=38.45	Pass
			7	22.90	-2.45	18.30	<=38.45	Pass
		15	0	22.88	-2.45	18.28	<=38.45	Pass
	847.5	1	0	23.85	-2.45	19.25	<=38.45	Pass
			7	24.00	-2.45	19.40	<=38.45	Pass
			14	23.90	-2.45	19.30	<=38.45	Pass
		8	0	22.89	-2.45	18.29	<=38.45	Pass
			4	22.94	-2.45	18.34	<=38.45	Pass
			7	22.90	-2.45	18.30	<=38.45	Pass
		15	0	22.91	-2.45	18.31	<=38.45	Pass
16QAM	825.5	1	0	23.38	-2.45	18.78	<=38.45	Pass
			7	23.54	-2.45	18.94	<=38.45	Pass
			14	23.45	-2.45	18.85	<=38.45	Pass
		8	0	22.07	-2.45	17.47	<=38.45	Pass
			4	22.13	-2.45	17.53	<=38.45	Pass
			7	22.07	-2.45	17.47	<=38.45	Pass
		15	0	21.96	-2.45	17.36	<=38.45	Pass
	836.5	1	0	22.94	-2.45	18.34	<=38.45	Pass
			7	23.05	-2.45	18.45	<=38.45	Pass
			14	22.91	-2.45	18.31	<=38.45	Pass
		8	0	21.98	-2.45	17.38	<=38.45	Pass
			4	22.05	-2.45	17.45	<=38.45	Pass
			7	21.97	-2.45	17.37	<=38.45	Pass
		15	0	21.99	-2.45	17.39	<=38.45	Pass
	847.5	1	0	22.99	-2.45	18.39	<=38.45	Pass
			7	23.13	-2.45	18.53	<=38.45	Pass
			14	22.98	-2.45	18.38	<=38.45	Pass
		8	0	21.83	-2.45	17.23	<=38.45	Pass
			4	21.89	-2.45	17.29	<=38.45	Pass
			7	21.84	-2.45	17.24	<=38.45	Pass
		15	0	21.86	-2.45	17.26	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.80	-2.45	19.20	<=38.45	Pass
			13	23.93	-2.45	19.33	<=38.45	Pass
			24	23.83	-2.45	19.23	<=38.45	Pass
		12	0	22.85	-2.45	18.25	<=38.45	Pass
			6	22.93	-2.45	18.33	<=38.45	Pass

			13	22.86	-2.45	18.26	<=38.45	Pass
		25	0	22.86	-2.45	18.26	<=38.45	Pass
	836.5	1	0	23.77	-2.45	19.17	<=38.45	Pass
			13	23.88	-2.45	19.28	<=38.45	Pass
			24	23.80	-2.45	19.20	<=38.45	Pass
		12	0	22.81	-2.45	18.21	<=38.45	Pass
			6	22.92	-2.45	18.32	<=38.45	Pass
			13	22.90	-2.45	18.30	<=38.45	Pass
		25	0	22.86	-2.45	18.26	<=38.45	Pass
	846.5	1	0	23.74	-2.45	19.14	<=38.45	Pass
			13	23.85	-2.45	19.25	<=38.45	Pass
			24	23.77	-2.45	19.17	<=38.45	Pass
		12	0	22.86	-2.45	18.26	<=38.45	Pass
			6	22.88	-2.45	18.28	<=38.45	Pass
			13	22.90	-2.45	18.30	<=38.45	Pass
		25	0	22.83	-2.45	18.23	<=38.45	Pass
16QAM	826.5	1	0	22.86	-2.45	18.26	<=38.45	Pass
			13	23.00	-2.45	18.40	<=38.45	Pass
			24	22.94	-2.45	18.34	<=38.45	Pass
		12	0	21.84	-2.45	17.24	<=38.45	Pass
			6	21.91	-2.45	17.31	<=38.45	Pass
			13	21.83	-2.45	17.23	<=38.45	Pass
	25	0	21.92	-2.45	17.32	<=38.45	Pass	
	836.5	1	0	23.03	-2.45	18.43	<=38.45	Pass
			13	23.15	-2.45	18.55	<=38.45	Pass
			24	23.02	-2.45	18.42	<=38.45	Pass
		12	0	21.87	-2.45	17.27	<=38.45	Pass
			6	21.98	-2.45	17.38	<=38.45	Pass
			13	21.92	-2.45	17.32	<=38.45	Pass
	25	0	21.88	-2.45	17.28	<=38.45	Pass	
	846.5	1	0	22.63	-2.45	18.03	<=38.45	Pass
			13	22.69	-2.45	18.09	<=38.45	Pass
			24	22.58	-2.45	17.98	<=38.45	Pass
		12	0	21.85	-2.45	17.25	<=38.45	Pass
6			21.88	-2.45	17.28	<=38.45	Pass	
13			21.83	-2.45	17.23	<=38.45	Pass	
25	0	21.91	-2.45	17.31	<=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	23.84	-2.45	19.24	<=38.45	Pass
			25	24.02	-2.45	19.42	<=38.45	Pass
			49	23.87	-2.45	19.27	<=38.45	Pass
		25	0	22.99	-2.45	18.39	<=38.45	Pass
			13	22.94	-2.45	18.34	<=38.45	Pass
			25	22.92	-2.45	18.32	<=38.45	Pass
	836.5	50	0	23.00	-2.45	18.40	<=38.45	Pass
		1	0	23.92	-2.45	19.32	<=38.45	Pass
			25	24.08	-2.45	19.48	<=38.45	Pass
			49	23.93	-2.45	19.33	<=38.45	Pass
		25	0	22.84	-2.45	18.24	<=38.45	Pass
			13	22.92	-2.45	18.32	<=38.45	Pass
			25	22.88	-2.45	18.28	<=38.45	Pass
		50	0	22.91	-2.45	18.31	<=38.45	Pass

16QAM	844	1	0	23.86	-2.45	19.26	<=38.45	Pass
			25	24.04	-2.45	19.44	<=38.45	Pass
			49	23.88	-2.45	19.28	<=38.45	Pass
		25	0	22.97	-2.45	18.37	<=38.45	Pass
			13	22.93	-2.45	18.33	<=38.45	Pass
			25	22.86	-2.45	18.26	<=38.45	Pass
		50	0	22.96	-2.45	18.36	<=38.45	Pass
	829	1	0	23.37	-2.45	18.77	<=38.45	Pass
			25	23.50	-2.45	18.90	<=38.45	Pass
			49	23.42	-2.45	18.82	<=38.45	Pass
		25	0	22.05	-2.45	17.45	<=38.45	Pass
			13	22.00	-2.45	17.40	<=38.45	Pass
			25	22.01	-2.45	17.41	<=38.45	Pass
		50	0	22.03	-2.45	17.43	<=38.45	Pass
	836.5	1	0	22.91	-2.45	18.31	<=38.45	Pass
			25	23.00	-2.45	18.40	<=38.45	Pass
			49	22.89	-2.45	18.29	<=38.45	Pass
		25	0	21.96	-2.45	17.36	<=38.45	Pass
			13	22.03	-2.45	17.43	<=38.45	Pass
			25	22.02	-2.45	17.42	<=38.45	Pass
		50	0	21.97	-2.45	17.37	<=38.45	Pass
	844	1	0	23.00	-2.45	18.40	<=38.45	Pass
			25	23.13	-2.45	18.53	<=38.45	Pass
			49	23.00	-2.45	18.40	<=38.45	Pass
		25	0	22.04	-2.45	17.44	<=38.45	Pass
			13	21.95	-2.45	17.35	<=38.45	Pass
			25	21.93	-2.45	17.33	<=38.45	Pass
		50	0	21.96	-2.45	17.36	<=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	-6.738	-0.0082	-2.5 to 2.5	Pass
					3.85	-8.512	-0.0103	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-8.597	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-8.297	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.752	-0.0081	-2.5 to 2.5	Pass
					3.85	-8.368	-0.0100	-2.5 to 2.5	Pass
					4.43	-2.289	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass

				0	3.85	-6.866	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-7.825	-0.0094	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0007	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-8.039	-0.0095	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0087	-2.5 to 2.5	Pass
					4.43	-4.306	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-3.734	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-8.039	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-9.069	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-9.270	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0061	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-2.732	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0052	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.354	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-7.482	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0123	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-5.794	-0.0069	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
					4.43	-5.565	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-9.055	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-9.398	-0.0112	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.662	-0.0043	-2.5 to 2.5	Pass
					3.85	-9.799	-0.0116	-2.5 to 2.5	Pass
					4.43	-8.082	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-10.071	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-11.773	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-7.839	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0019	-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	-9.441	-0.0114	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0105	-2.5 to 2.5	Pass
					4.43	-11.716	-0.0142	-2.5 to 2.5	Pass

				-30	3.85	-6.580	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-7.625	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-8.512	-0.0103	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-3.662	-0.0044	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-4.463	-0.0053	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0053	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0062	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	0.229	0.0003	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0072	-2.5 to 2.5	Pass
					4.43	-2.503	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.349	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0087	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.506	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-8.111	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-8.626	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-7.024	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-8.655	-0.0103	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.760	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.415	0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass



				10	3.85	-5.250	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0062	-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	-10.314	-0.0125	-2.5 to 2.5	Pass
					3.85	-9.899	-0.0120	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.038	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-4.449	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-12.918	-0.0156	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.220	-0.0050	-2.5 to 2.5	Pass
					3.85	-5.751	-0.0069	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-6.695	-0.0080	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-7.038	-0.0083	-2.5 to 2.5	Pass
					3.85	-8.826	-0.0104	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-9.756	-0.0115	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-2.618	-0.0032	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0091	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-7.024	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-8.440	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-8.197	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-2.346	-0.0028	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-10.643	-0.0127	-2.5 to 2.5	Pass
					3.85	-8.154	-0.0097	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0099	-2.5 to 2.5	Pass

				-20	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-10.185	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-8.197	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-1.702	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-10.757	-0.0129	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-4.992	-0.0059	-2.5 to 2.5	Pass
					3.85	-6.223	-0.0074	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-1.731	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-5.379	-0.0064	-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	-1.960	-0.0024	-2.5 to 2.5	Pass
					3.85	-7.167	-0.0086	-2.5 to 2.5	Pass
					4.43	-6.409	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-11.044	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.134	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.794	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-3.791	-0.0046	-2.5 to 2.5	Pass
	836.5	50	0	50	3.85	-8.454	-0.0102	-2.5 to 2.5	Pass
				20	3.27	-4.950	-0.0059	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0046	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0065	-2.5 to 2.5	Pass
	844	50	0	40	3.85	-4.921	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0075	-2.5 to 2.5	Pass
				20	3.27	-2.160	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.835	-0.0057	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-10.815	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-4.034	-0.0049	-2.5 to 2.5	Pass
					3.27	-4.034	-0.0049	-2.5 to 2.5	Pass

					3.85	-8.340	-0.0101	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-4.048	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-4.892	-0.0059	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-2.460	-0.0029	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0102	-2.5 to 2.5	Pass
					4.43	-5.136	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.578	-0.0055	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.120	-0.0049	-2.5 to 2.5	Pass
					3.85	-8.254	-0.0098	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-6.752	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-11.001	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-6.638	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-6.909	-0.0082	-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 / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.1.3 B5_5MHz

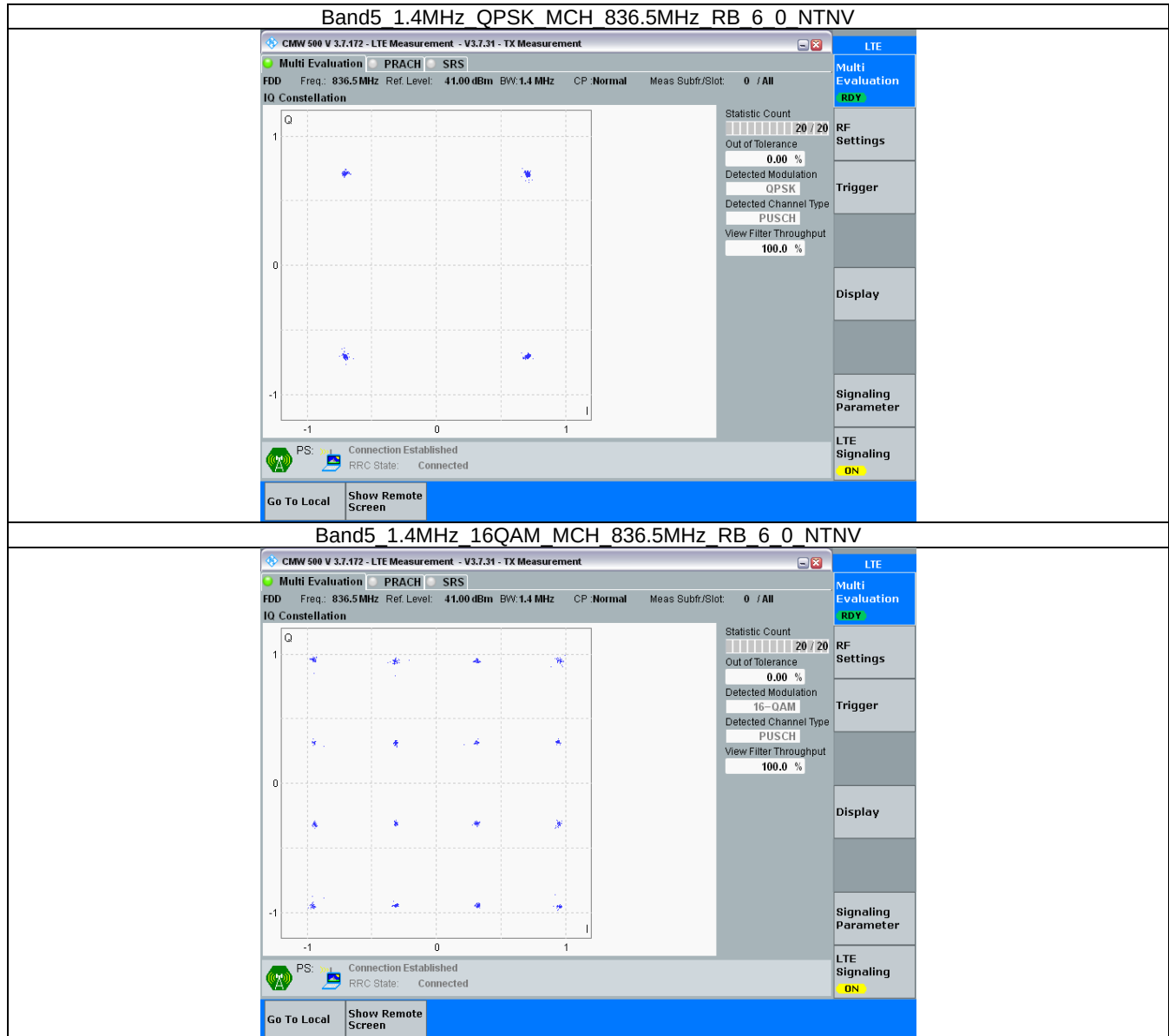
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

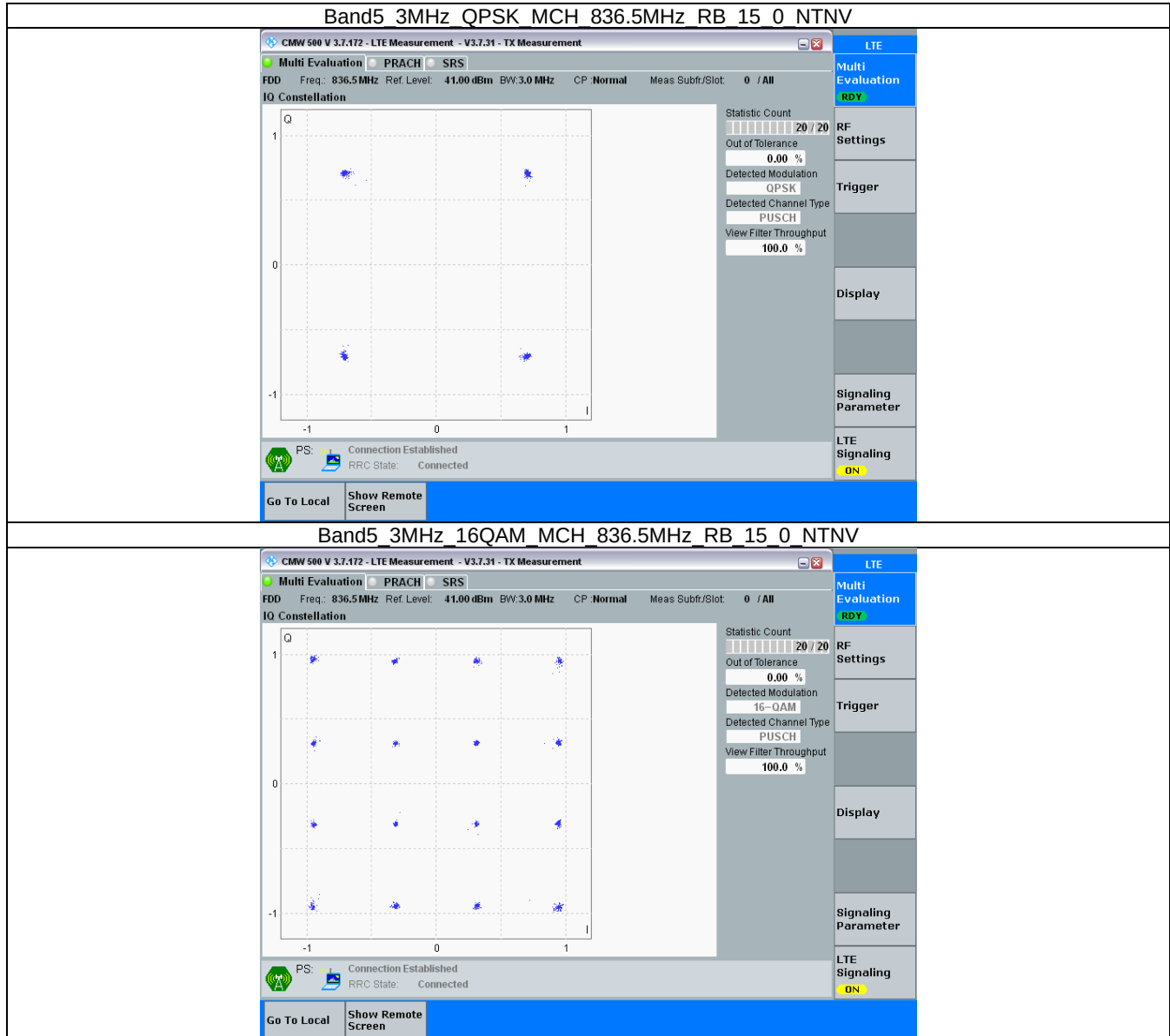
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

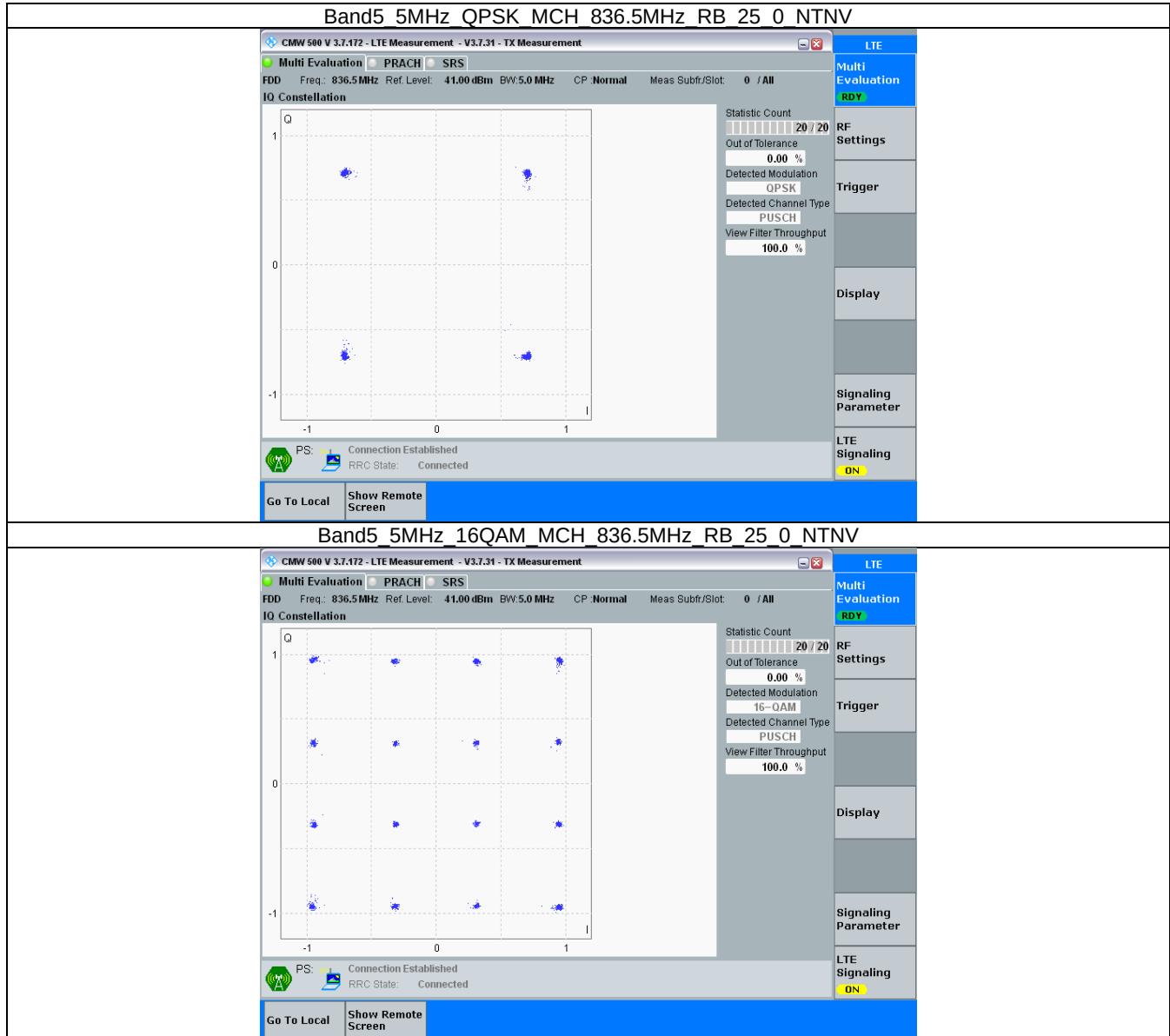
3.2.1 B5_1.4MHz



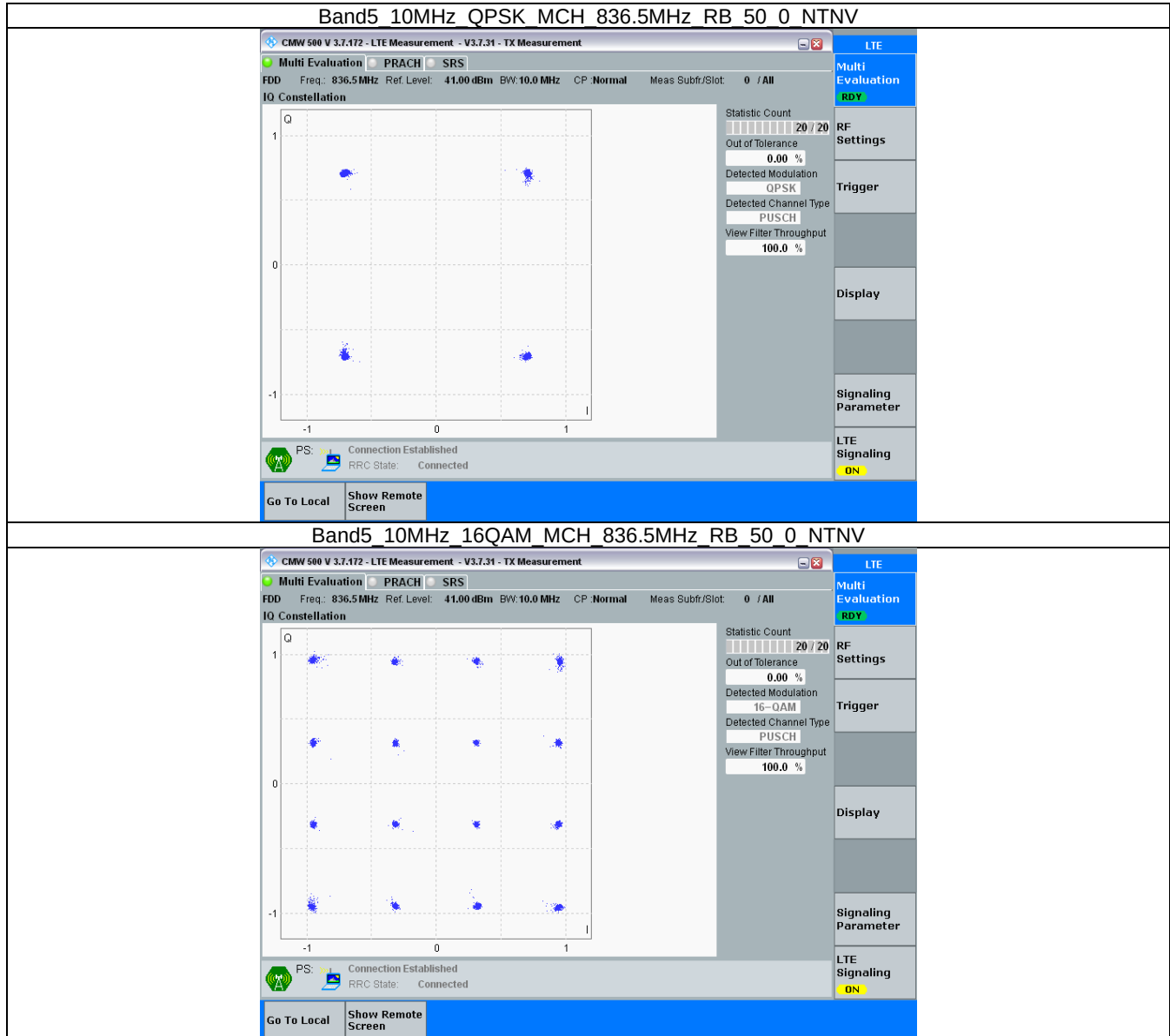
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.107	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.116	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.120	/	Pass
3	QPSK	825.5	15	0	2.724	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.733	/	Pass
	16QAM	825.5	15	0	2.724	/	Pass
		836.5	15	0	2.719	/	Pass
		847.5	15	0	2.729	/	Pass
5	QPSK	826.5	25	0	4.556	/	Pass
		836.5	25	0	4.536	/	Pass
		846.5	25	0	4.553	/	Pass
	16QAM	826.5	25	0	4.528	/	Pass
		836.5	25	0	4.540	/	Pass
		846.5	25	0	4.549	/	Pass
10	QPSK	829	50	0	9.084	/	Pass
		836.5	50	0	9.057	/	Pass
		844	50	0	9.054	/	Pass
	16QAM	829	50	0	9.080	/	Pass
		836.5	50	0	9.051	/	Pass
		844	50	0	9.063	/	Pass

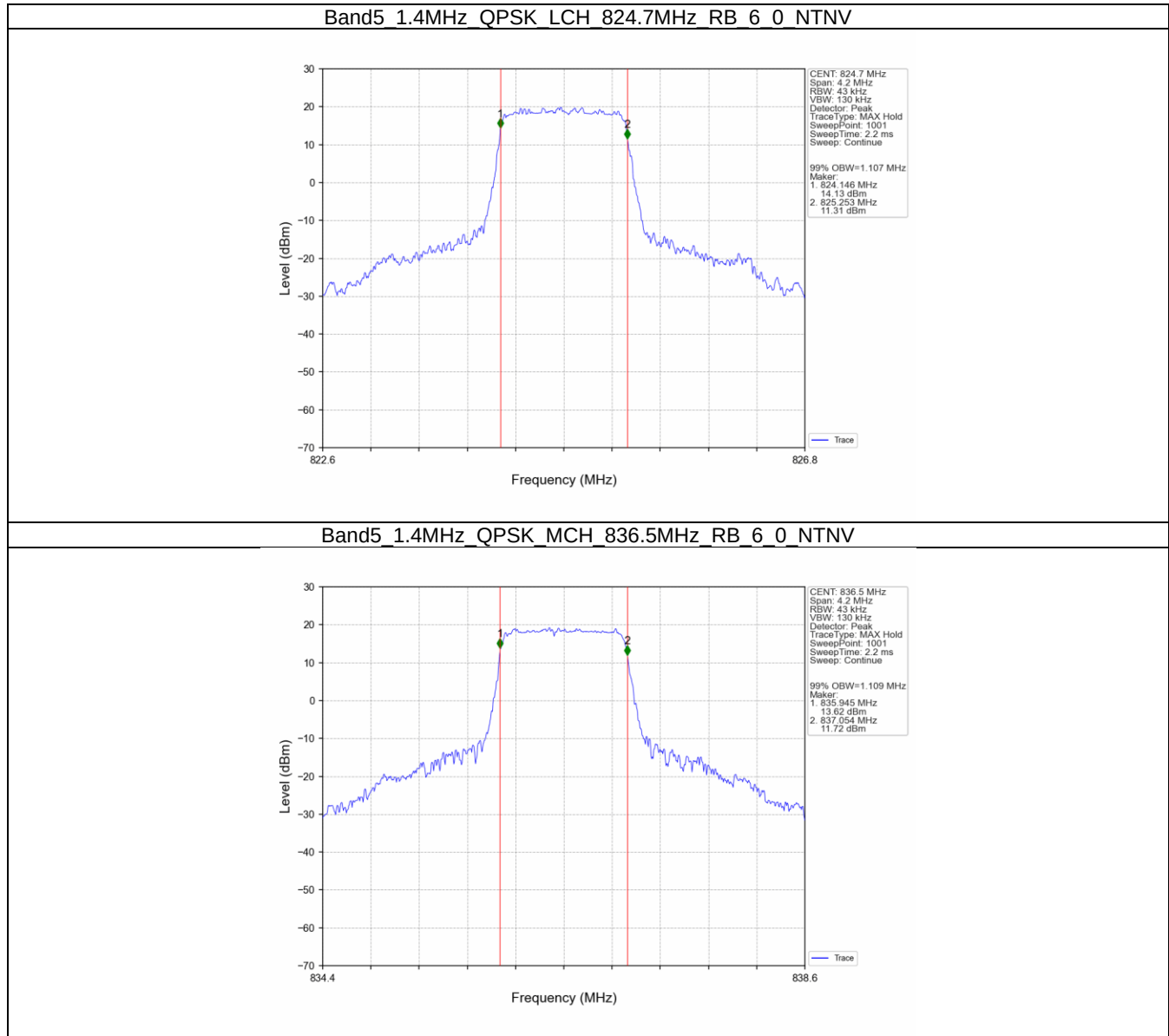
4.1.2 Band5_XDB

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	1.313	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.368	/	Pass
	16QAM	824.7	6	0	1.323	/	Pass
		836.5	6	0	1.338	/	Pass
		848.3	6	0	1.338	/	Pass
3	QPSK	825.5	15	0	3.020	/	Pass
		836.5	15	0	2.990	/	Pass
		847.5	15	0	3.001	/	Pass
	16QAM	825.5	15	0	2.994	/	Pass
		836.5	15	0	3.000	/	Pass
		847.5	15	0	2.982	/	Pass
5	QPSK	826.5	25	0	5.007	/	Pass
		836.5	25	0	5.020	/	Pass
		846.5	25	0	5.033	/	Pass

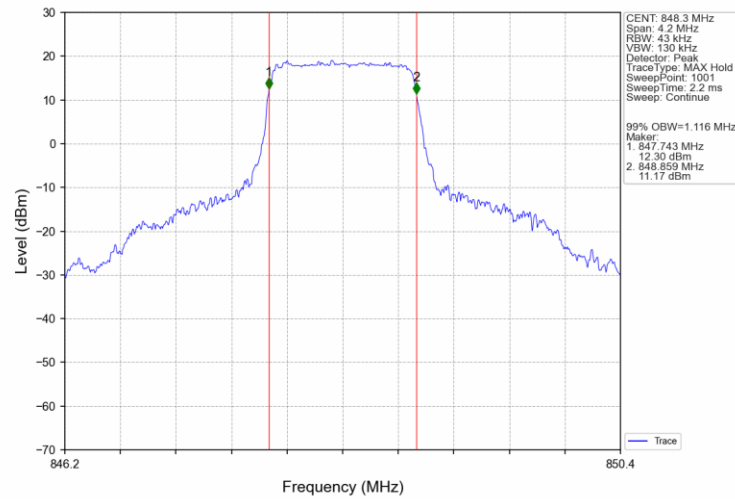
10	16QAM	826.5	25	0	5.020	/	Pass
		836.5	25	0	5.033	/	Pass
		846.5	25	0	5.015	/	Pass
	QPSK	829	50	0	10.003	/	Pass
		836.5	50	0	9.962	/	Pass
		844	50	0	9.904	/	Pass
	16QAM	829	50	0	9.933	/	Pass
		836.5	50	0	9.977	/	Pass
		844	50	0	9.861	/	Pass

4.2 Test Graph

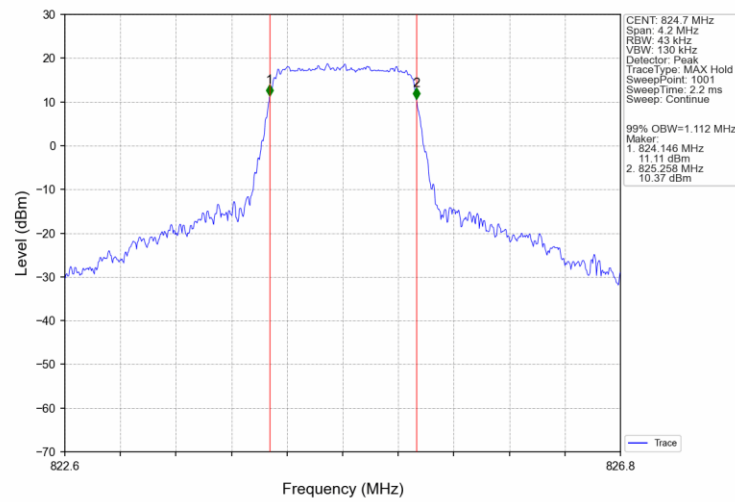
4.2.1 Band5_OBW



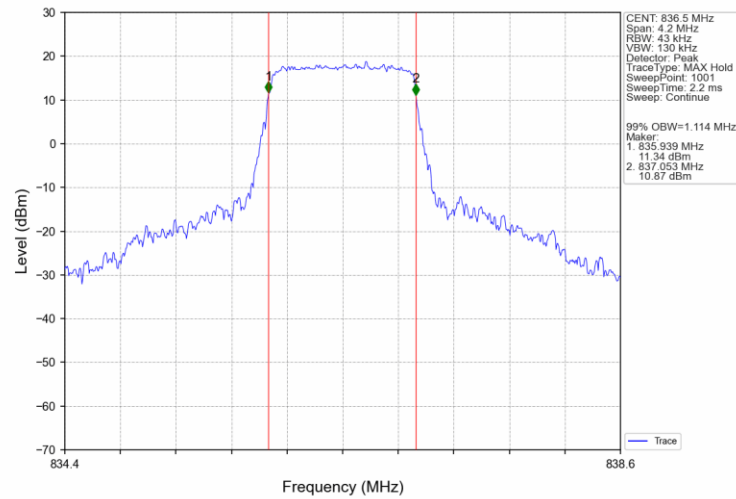
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



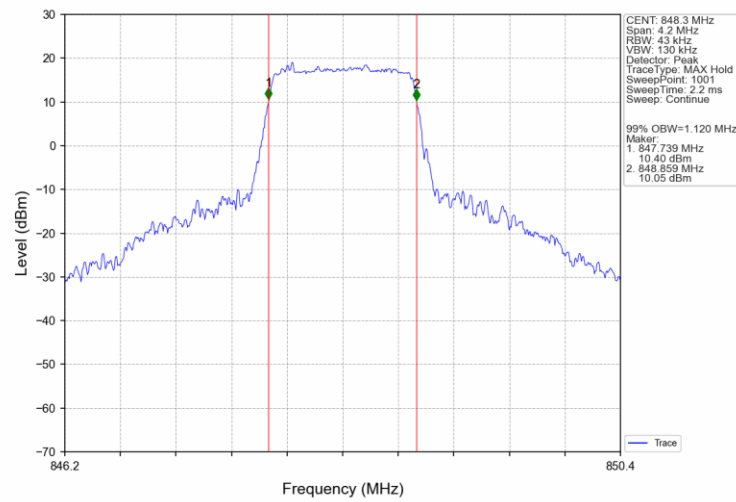
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



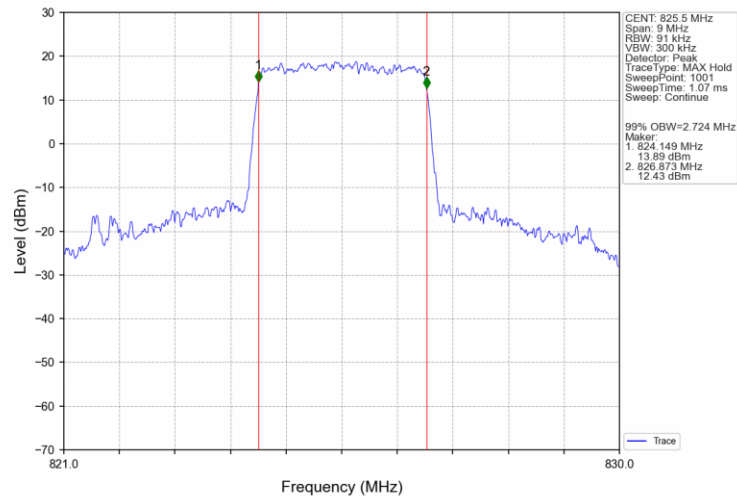
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



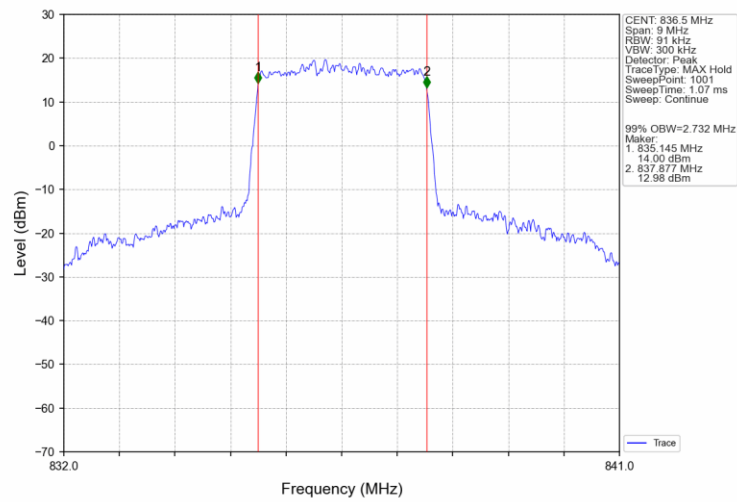
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



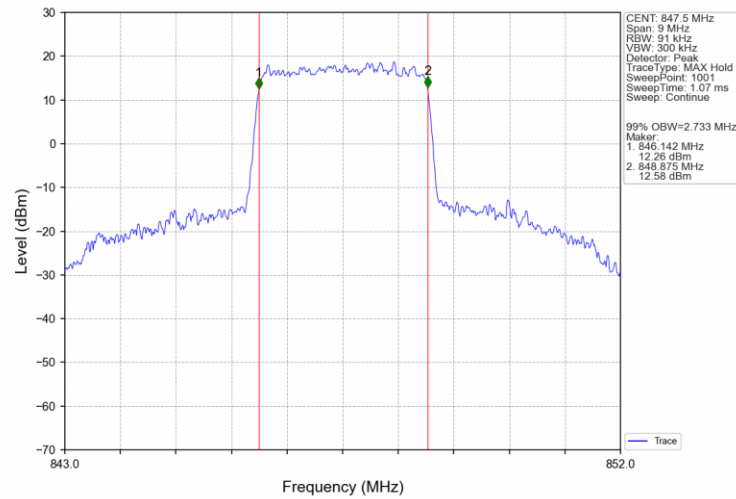
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



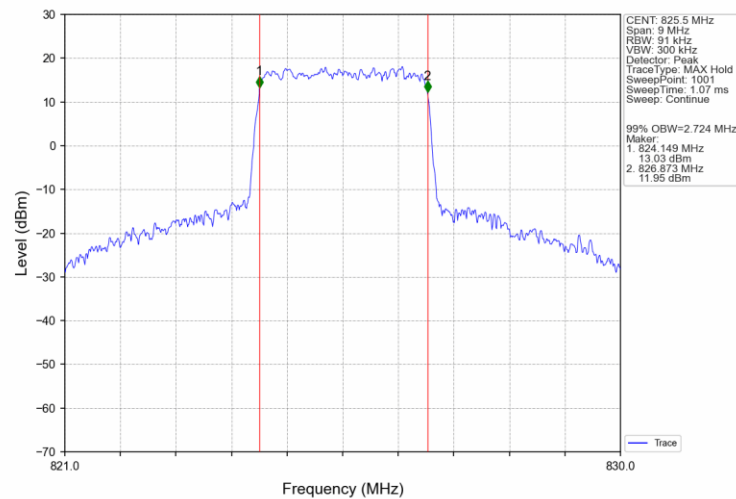
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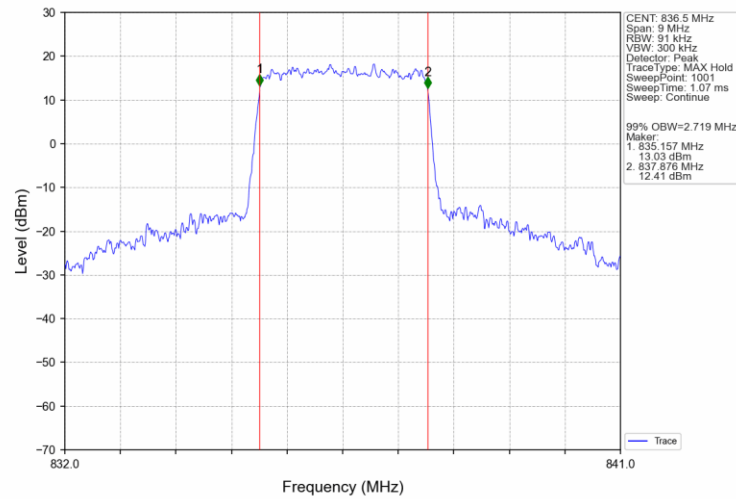
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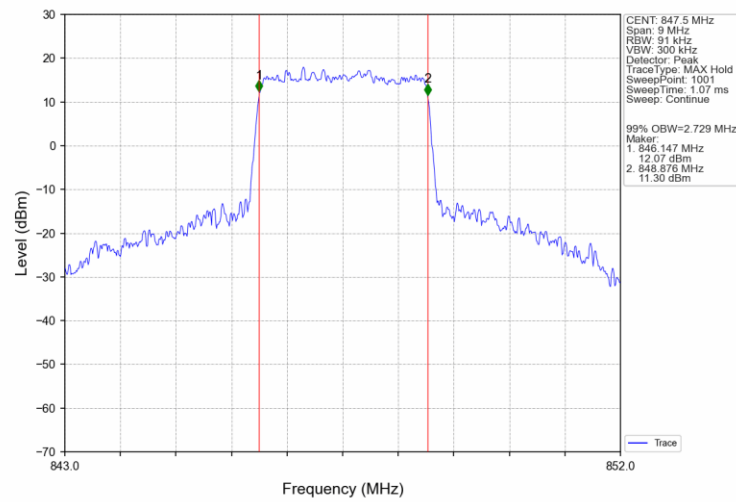
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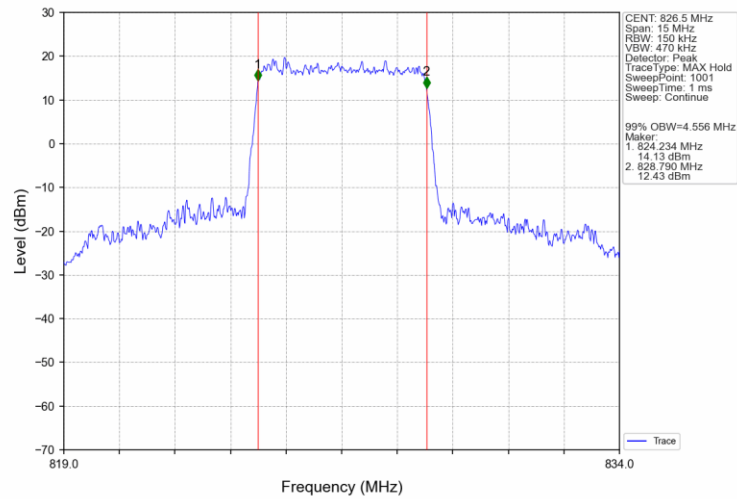
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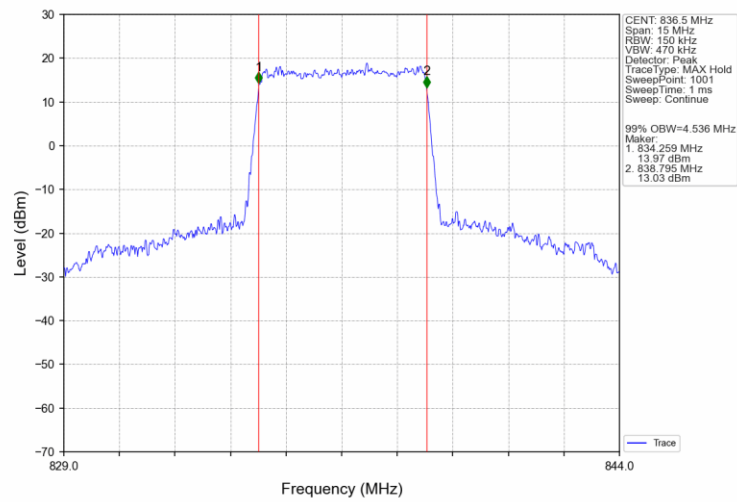
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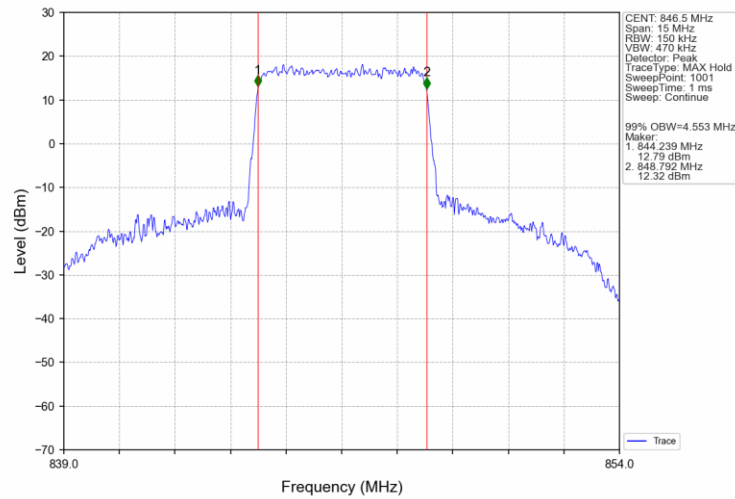
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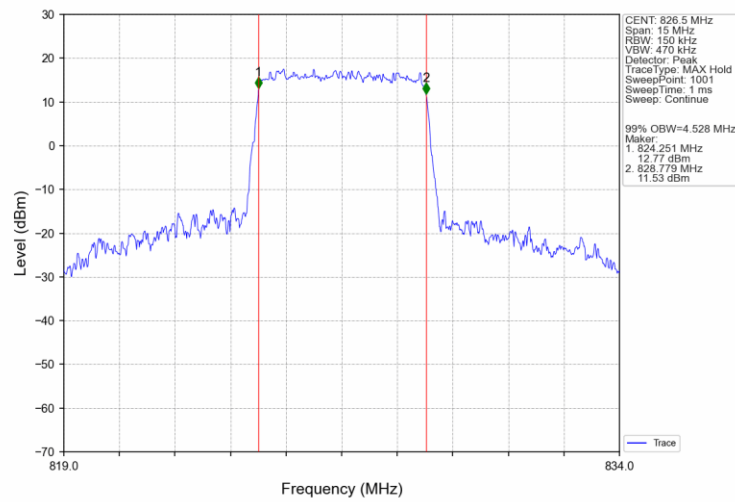
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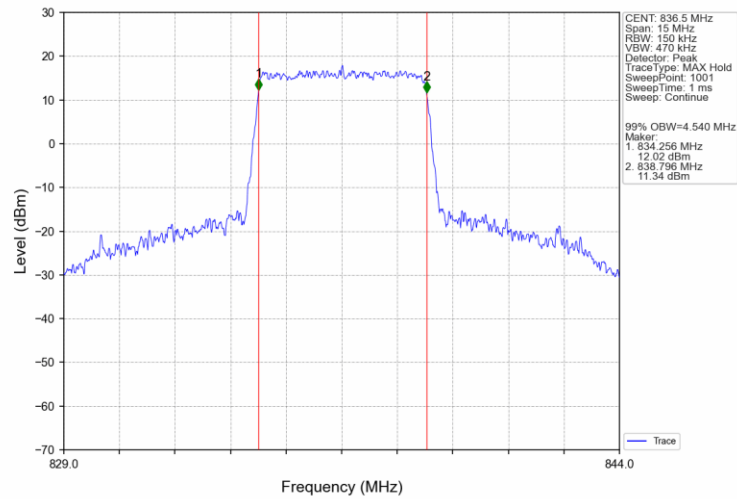
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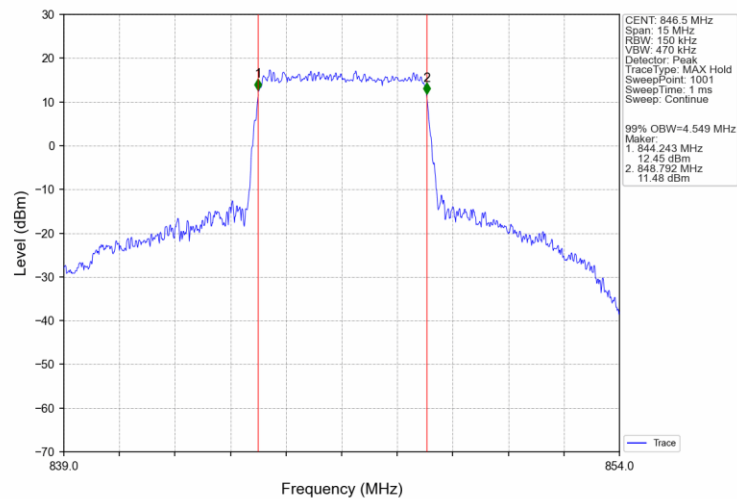
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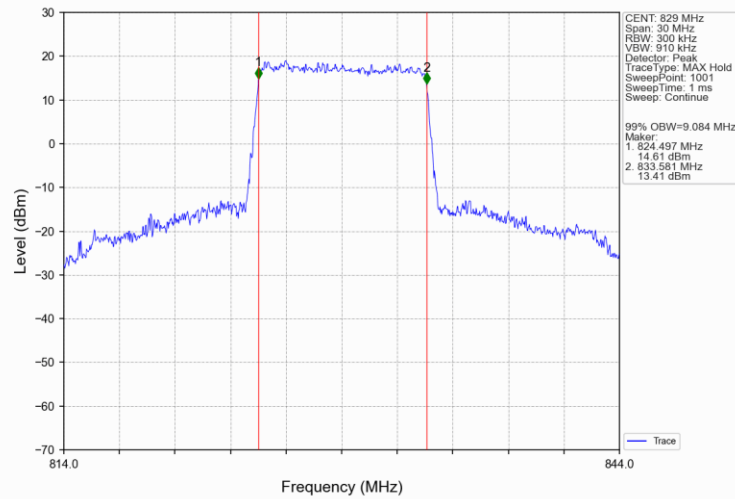
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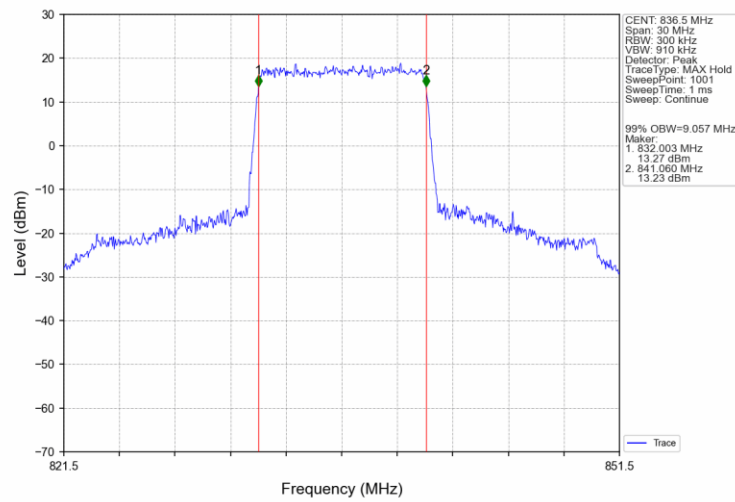
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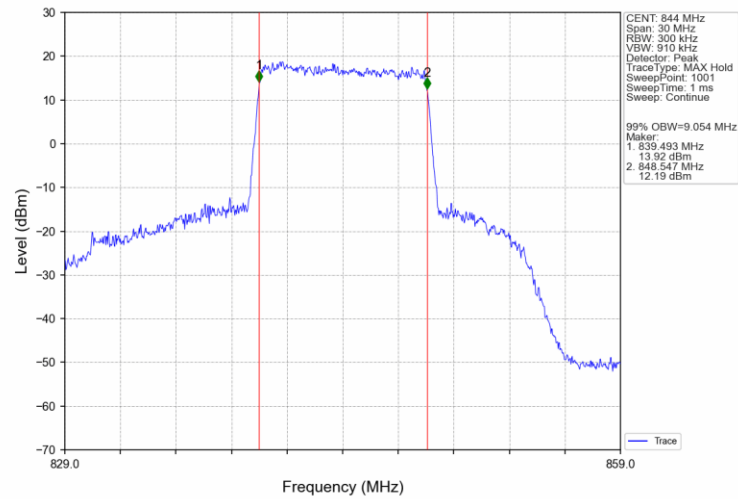
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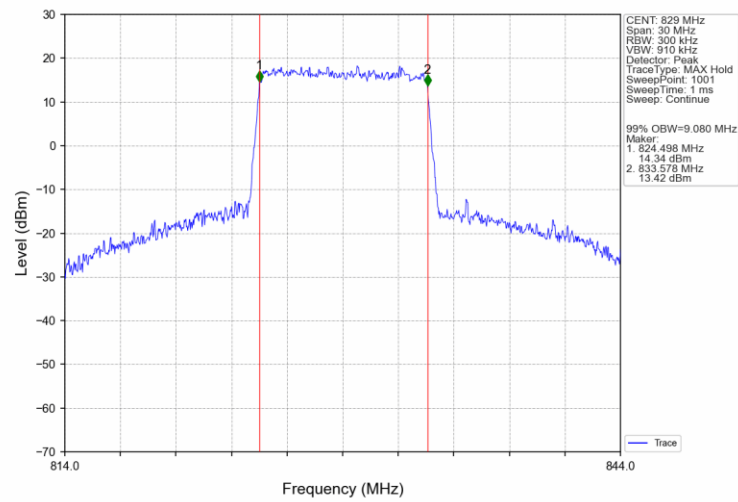
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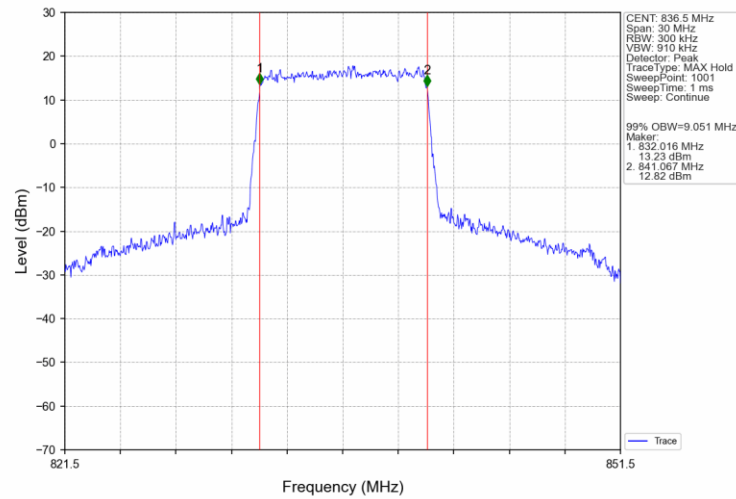
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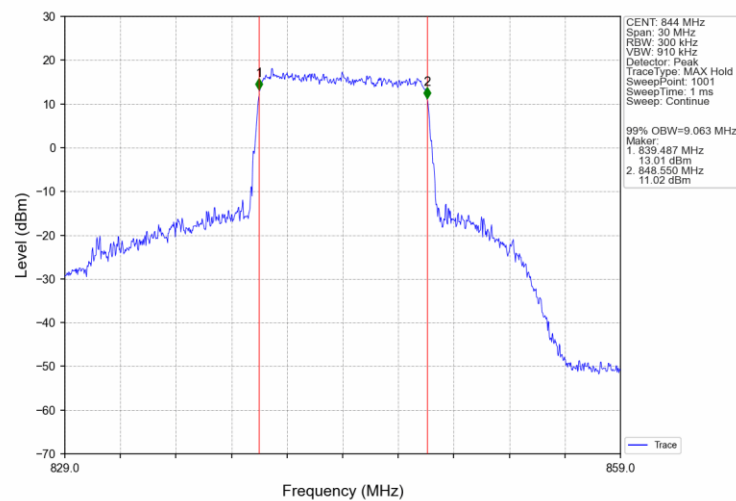
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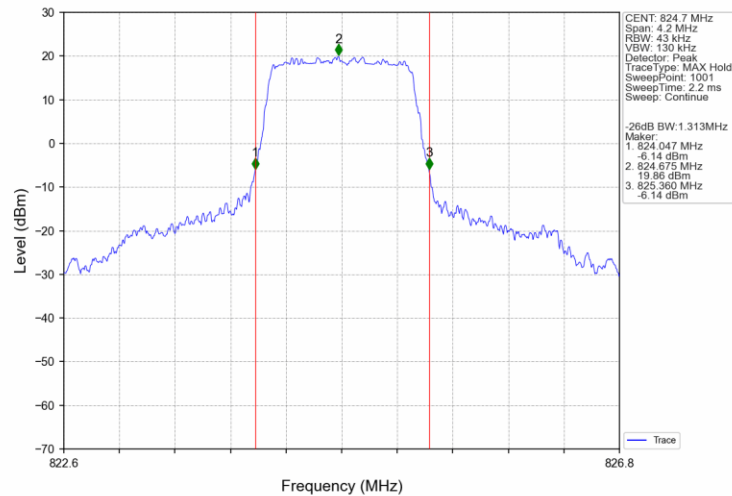


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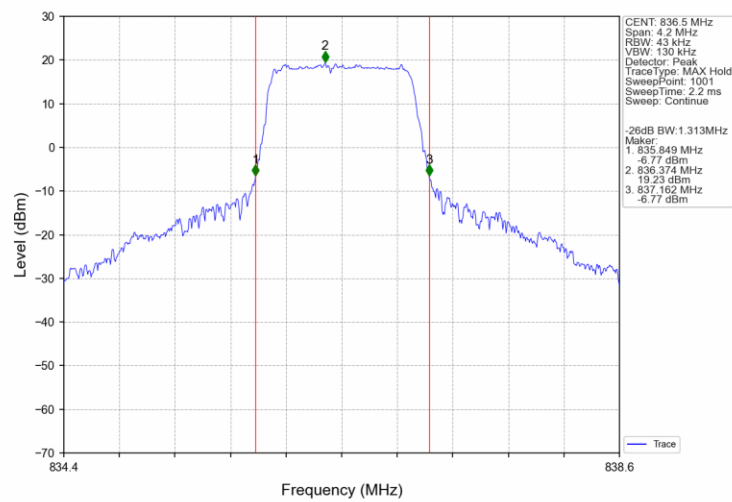


4.2.2 Band5_XDB

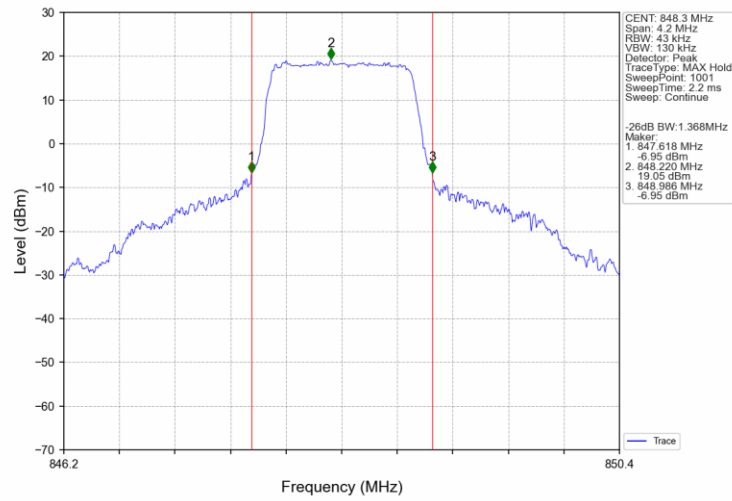
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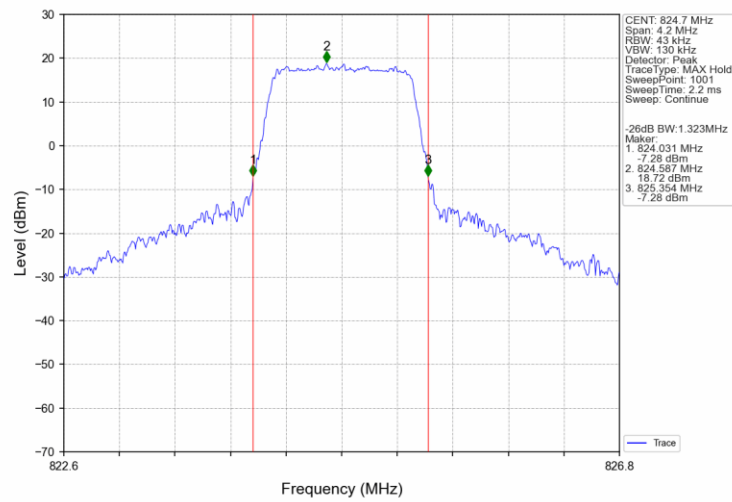
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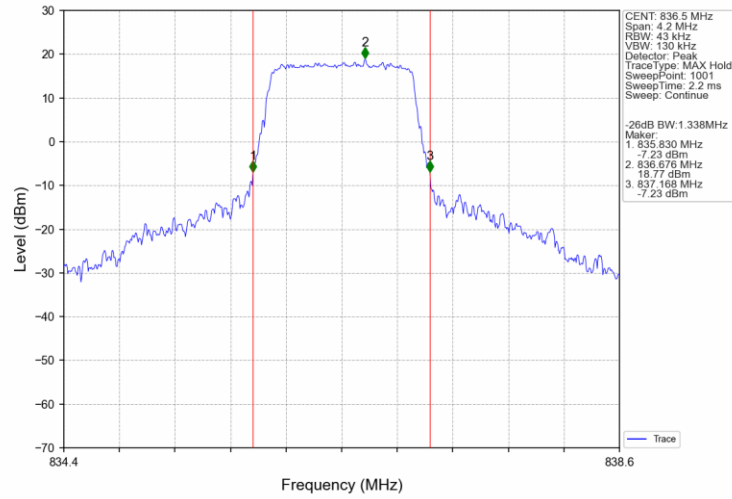
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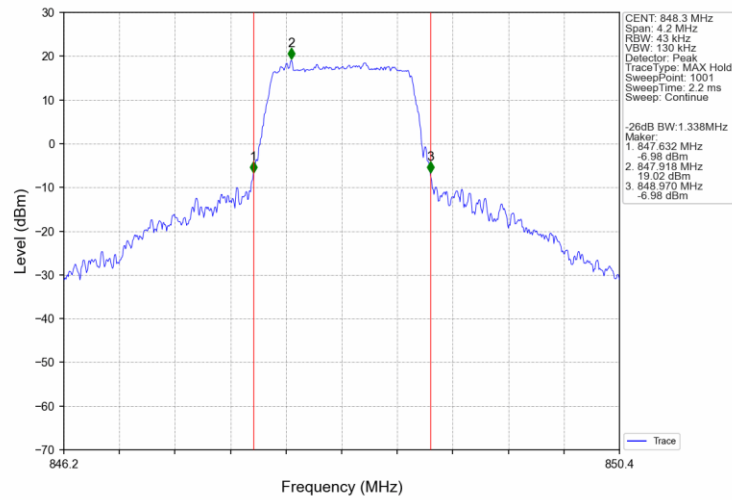
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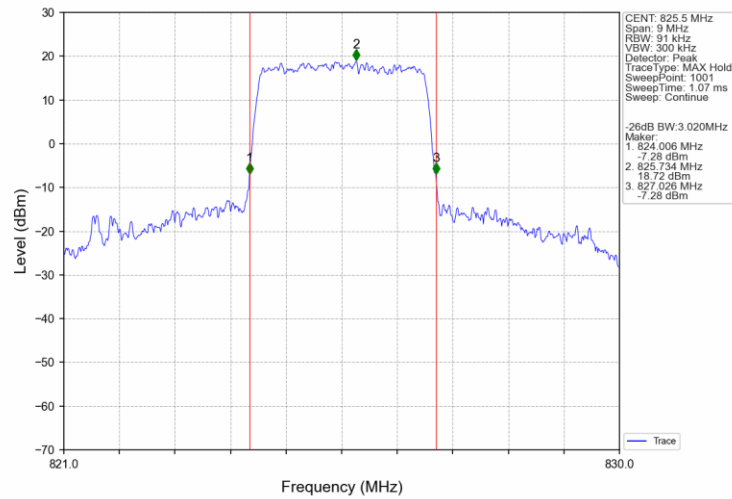
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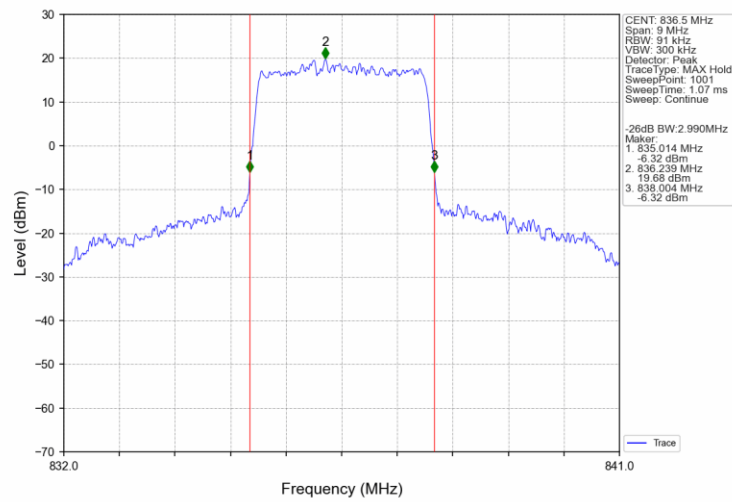
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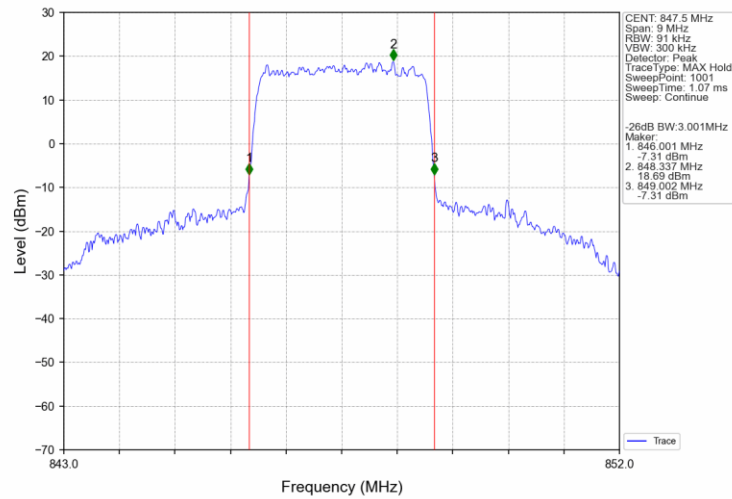
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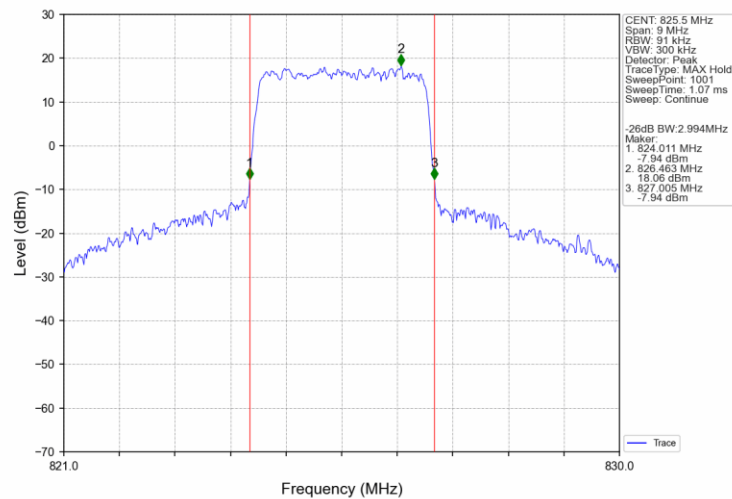
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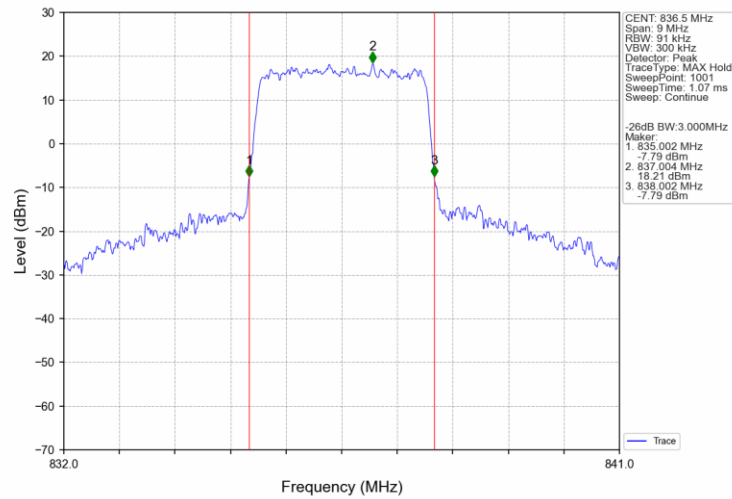
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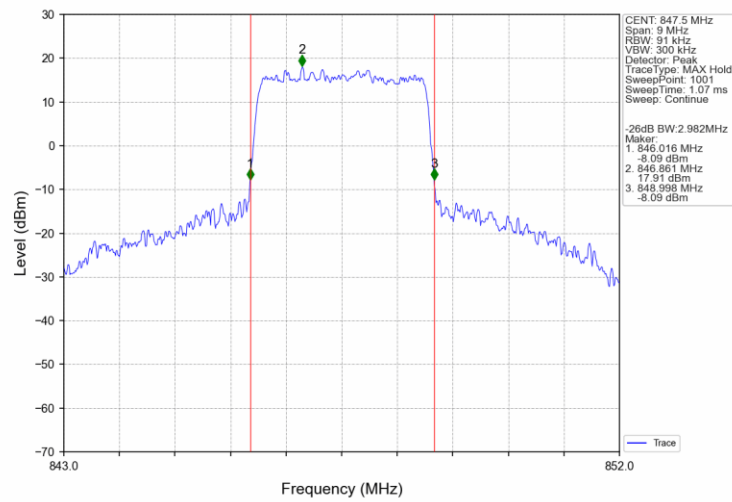
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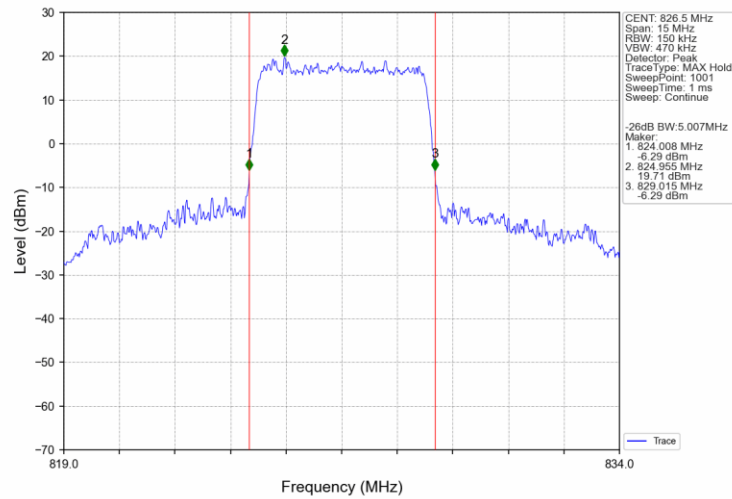
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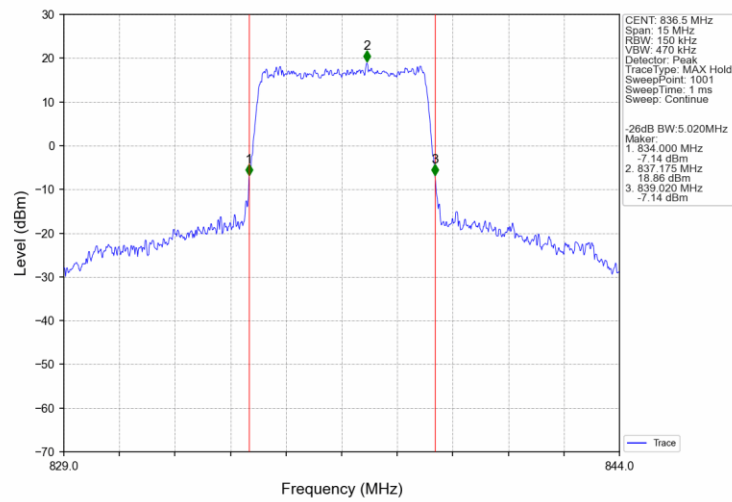
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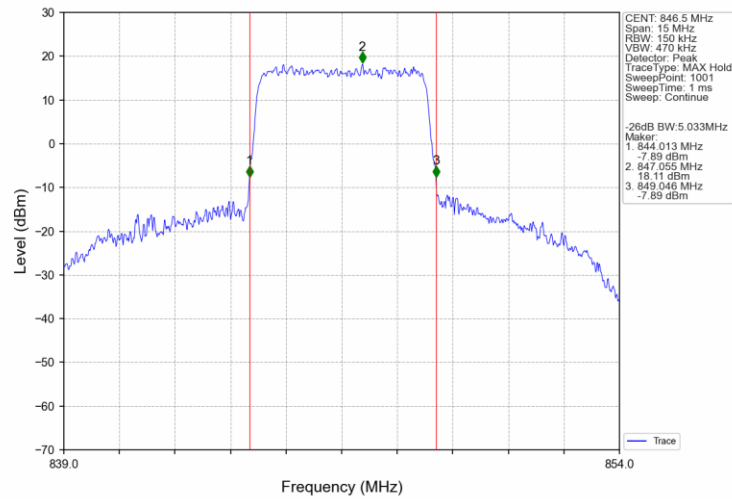
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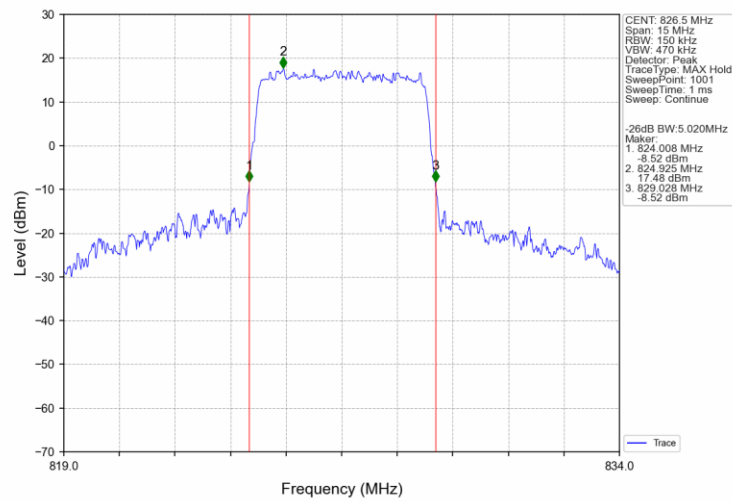
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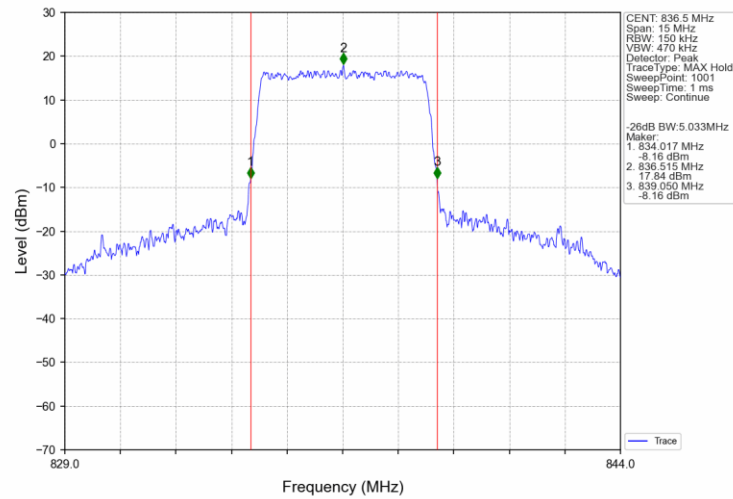
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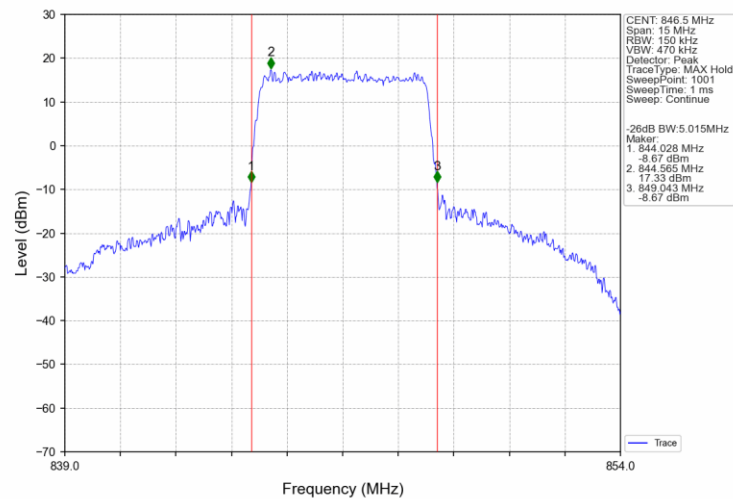
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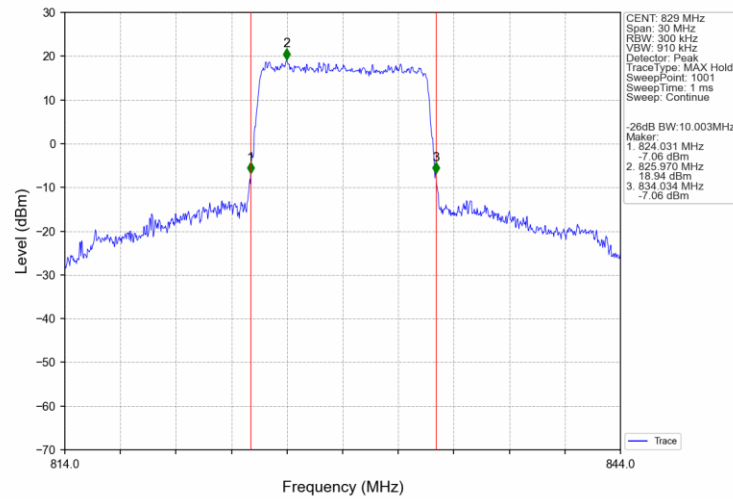
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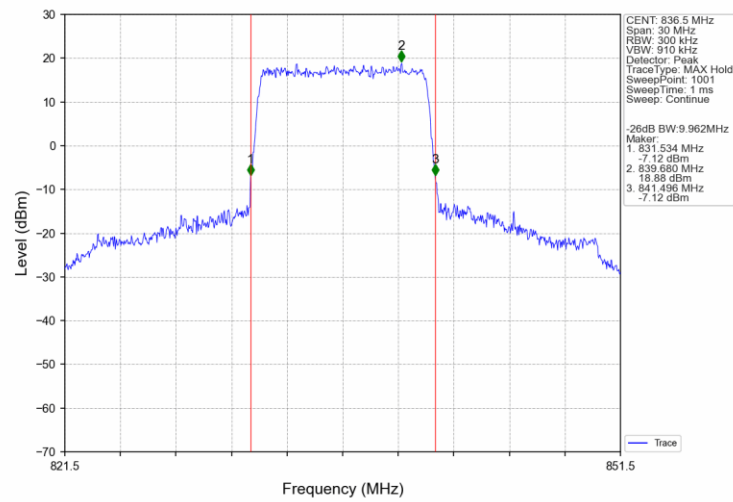
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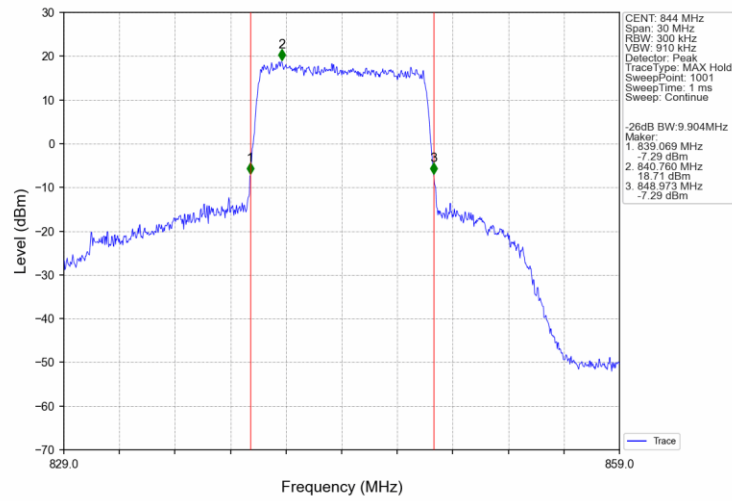
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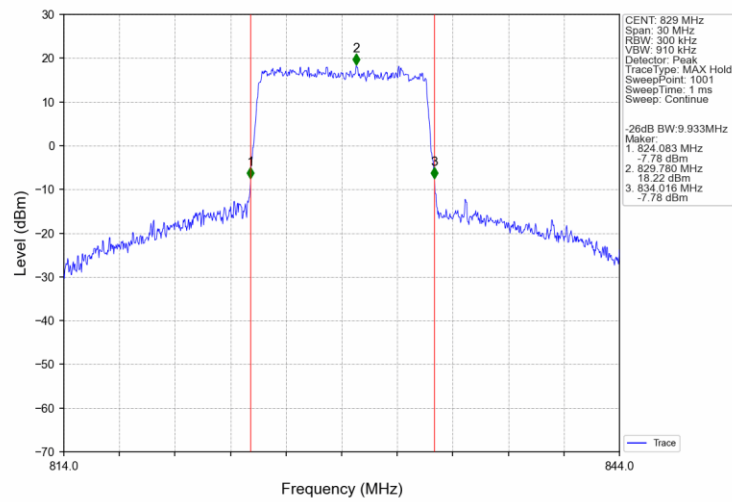
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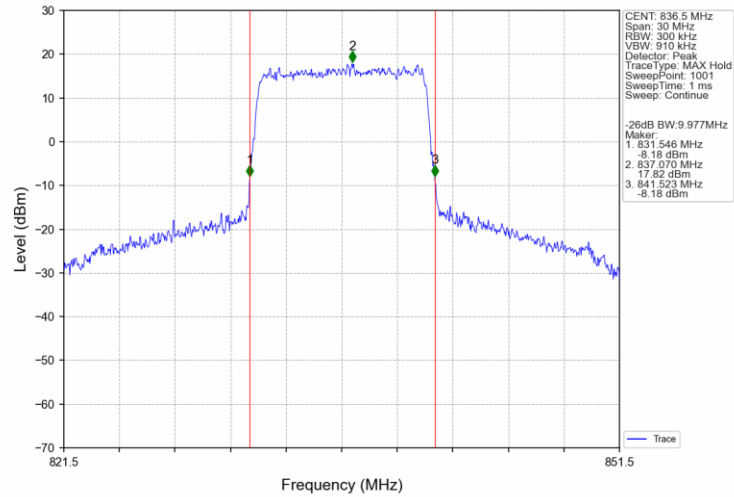
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



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

