

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	23.41	-11.23	12.18	<=34.77	Pass
			2	23.42	-11.23	12.19	<=34.77	Pass
			5	23.45	-11.23	12.22	<=34.77	Pass
		3	0	23.58	-11.23	12.35	<=34.77	Pass
			2	23.45	-11.23	12.22	<=34.77	Pass
			3	23.52	-11.23	12.29	<=34.77	Pass
		6	0	22.39	-11.23	11.16	<=34.77	Pass
	836.5	1	0	23.46	-11.23	12.23	<=34.77	Pass
			2	23.47	-11.23	12.24	<=34.77	Pass
			5	23.43	-11.23	12.20	<=34.77	Pass
		3	0	23.51	-11.23	12.28	<=34.77	Pass
			2	23.42	-11.23	12.19	<=34.77	Pass
			3	23.37	-11.23	12.14	<=34.77	Pass
		6	0	22.45	-11.23	11.22	<=34.77	Pass
	848.3	1	0	23.44	-11.23	12.21	<=34.77	Pass
			2	23.42	-11.23	12.19	<=34.77	Pass
			5	23.41	-11.23	12.18	<=34.77	Pass
		3	0	23.35	-11.23	12.12	<=34.77	Pass
			2	23.35	-11.23	12.12	<=34.77	Pass
			3	23.32	-11.23	12.09	<=34.77	Pass
		6	0	22.37	-11.23	11.14	<=34.77	Pass
16QAM	824.7	1	0	23.15	-11.23	11.92	<=34.77	Pass
			2	23.15	-11.23	11.92	<=34.77	Pass
			5	23.54	-11.23	12.31	<=34.77	Pass
		3	0	22.35	-11.23	11.12	<=34.77	Pass
			2	22.39	-11.23	11.16	<=34.77	Pass
			3	22.37	-11.23	11.14	<=34.77	Pass
		6	0	21.64	-11.23	10.41	<=34.77	Pass
	836.5	1	0	22.50	-11.23	11.27	<=34.77	Pass
			2	22.49	-11.23	11.26	<=34.77	Pass
			5	22.43	-11.23	11.20	<=34.77	Pass
		3	0	22.33	-11.23	11.10	<=34.77	Pass
			2	22.25	-11.23	11.02	<=34.77	Pass
			3	22.31	-11.23	11.08	<=34.77	Pass
		6	0	21.54	-11.23	10.31	<=34.77	Pass
	848.3	1	0	23.53	-11.23	12.30	<=34.77	Pass
			2	23.45	-11.23	12.22	<=34.77	Pass
			5	23.55	-11.23	12.32	<=34.77	Pass
		3	0	22.39	-11.23	11.16	<=34.77	Pass
			2	22.27	-11.23	11.04	<=34.77	Pass
			3	22.31	-11.23	11.08	<=34.77	Pass
		6	0	21.67	-11.23	10.44	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.37	-11.23	12.14	<=34.77	Pass
			7	23.35	-11.23	12.12	<=34.77	Pass
			14	23.39	-11.23	12.16	<=34.77	Pass
		8	0	22.52	-11.23	11.29	<=34.77	Pass
			4	22.51	-11.23	11.28	<=34.77	Pass
			7	22.61	-11.23	11.38	<=34.77	Pass
		15	0	22.48	-11.23	11.25	<=34.77	Pass
	836.5	1	0	23.45	-11.23	12.22	<=34.77	Pass
			7	23.39	-11.23	12.16	<=34.77	Pass
			14	23.43	-11.23	12.20	<=34.77	Pass
		8	0	22.45	-11.23	11.22	<=34.77	Pass
			4	22.44	-11.23	11.21	<=34.77	Pass
			7	22.39	-11.23	11.16	<=34.77	Pass
		15	0	22.38	-11.23	11.15	<=34.77	Pass
	847.5	1	0	23.48	-11.23	12.25	<=34.77	Pass
			7	23.34	-11.23	12.11	<=34.77	Pass
			14	23.34	-11.23	12.11	<=34.77	Pass
		8	0	22.42	-11.23	11.19	<=34.77	Pass
			4	22.37	-11.23	11.14	<=34.77	Pass
			7	22.25	-11.23	11.02	<=34.77	Pass
		15	0	22.34	-11.23	11.11	<=34.77	Pass
16QAM	825.5	1	0	23.43	-11.23	12.20	<=34.77	Pass
			7	23.41	-11.23	12.18	<=34.77	Pass
			14	23.38	-11.23	12.15	<=34.77	Pass
		8	0	21.88	-11.23	10.65	<=34.77	Pass
			4	21.80	-11.23	10.57	<=34.77	Pass
			7	21.88	-11.23	10.65	<=34.77	Pass
		15	0	21.64	-11.23	10.41	<=34.77	Pass
	836.5	1	0	22.82	-11.23	11.59	<=34.77	Pass
			7	22.72	-11.23	11.49	<=34.77	Pass
			14	22.70	-11.23	11.47	<=34.77	Pass
		8	0	21.71	-11.23	10.48	<=34.77	Pass
			4	21.68	-11.23	10.45	<=34.77	Pass
			7	21.64	-11.23	10.41	<=34.77	Pass
		15	0	21.51	-11.23	10.28	<=34.77	Pass
	847.5	1	0	23.42	-11.23	12.19	<=34.77	Pass
			7	23.39	-11.23	12.16	<=34.77	Pass
			14	23.31	-11.23	12.08	<=34.77	Pass
		8	0	21.59	-11.23	10.36	<=34.77	Pass
			4	21.57	-11.23	10.34	<=34.77	Pass
			7	21.49	-11.23	10.26	<=34.77	Pass
		15	0	21.53	-11.23	10.30	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.47	-11.23	12.24	<=34.77	Pass
			13	23.50	-11.23	12.27	<=34.77	Pass
			24	23.46	-11.23	12.23	<=34.77	Pass
		12	0	22.54	-11.23	11.31	<=34.77	Pass
			6	22.56	-11.23	11.33	<=34.77	Pass

		25	13	22.50	-11.23	11.27	<=34.77	Pass
			0	22.51	-11.23	11.28	<=34.77	Pass
	836.5	1	0	23.41	-11.23	12.18	<=34.77	Pass
			13	23.32	-11.23	12.09	<=34.77	Pass
			24	23.24	-11.23	12.01	<=34.77	Pass
		12	0	22.43	-11.23	11.20	<=34.77	Pass
			6	22.31	-11.23	11.08	<=34.77	Pass
			13	22.42	-11.23	11.19	<=34.77	Pass
		25	0	22.38	-11.23	11.15	<=34.77	Pass
	846.5	1	0	23.44	-11.23	12.21	<=34.77	Pass
			13	23.49	-11.23	12.26	<=34.77	Pass
			24	23.44	-11.23	12.21	<=34.77	Pass
		12	0	22.34	-11.23	11.11	<=34.77	Pass
			6	22.42	-11.23	11.19	<=34.77	Pass
			13	22.34	-11.23	11.11	<=34.77	Pass
		25	0	22.45	-11.23	11.22	<=34.77	Pass
16QAM	826.5	1	0	22.05	-11.23	10.82	<=34.77	Pass
			13	22.10	-11.23	10.87	<=34.77	Pass
			24	22.15	-11.23	10.92	<=34.77	Pass
		12	0	21.54	-11.23	10.31	<=34.77	Pass
			6	21.51	-11.23	10.28	<=34.77	Pass
			13	21.56	-11.23	10.33	<=34.77	Pass
		25	0	21.66	-11.23	10.43	<=34.77	Pass
	836.5	1	0	23.06	-11.23	11.83	<=34.77	Pass
			13	23.03	-11.23	11.80	<=34.77	Pass
			24	23.10	-11.23	11.87	<=34.77	Pass
		12	0	21.59	-11.23	10.36	<=34.77	Pass
			6	21.47	-11.23	10.24	<=34.77	Pass
			13	21.46	-11.23	10.23	<=34.77	Pass
		25	0	21.49	-11.23	10.26	<=34.77	Pass
	846.5	1	0	22.90	-11.23	11.67	<=34.77	Pass
			13	22.88	-11.23	11.65	<=34.77	Pass
			24	22.85	-11.23	11.62	<=34.77	Pass
		12	0	21.38	-11.23	10.15	<=34.77	Pass
			6	21.34	-11.23	10.11	<=34.77	Pass
			13	21.30	-11.23	10.07	<=34.77	Pass
		25	0	21.36	-11.23	10.13	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.28	-11.23	12.05	<=34.77	Pass
			25	23.29	-11.23	12.06	<=34.77	Pass
			49	23.35	-11.23	12.12	<=34.77	Pass
		25	0	22.45	-11.23	11.22	<=34.77	Pass
			13	22.39	-11.23	11.16	<=34.77	Pass
			25	22.38	-11.23	11.15	<=34.77	Pass
		50	0	22.50	-11.23	11.27	<=34.77	Pass
	836.5	1	0	23.34	-11.23	12.11	<=34.77	Pass
			25	23.38	-11.23	12.15	<=34.77	Pass
			49	23.42	-11.23	12.19	<=34.77	Pass
		25	0	22.40	-11.23	11.17	<=34.77	Pass
			13	22.32	-11.23	11.09	<=34.77	Pass
			25	22.44	-11.23	11.21	<=34.77	Pass
		50	0	22.32	-11.23	11.09	<=34.77	Pass

16QAM	844	1	0	23.31	-11.23	12.08	<=34.77	Pass
			25	23.28	-11.23	12.05	<=34.77	Pass
			49	23.42	-11.23	12.19	<=34.77	Pass
		25	0	22.31	-11.23	11.08	<=34.77	Pass
			13	22.40	-11.23	11.17	<=34.77	Pass
			25	22.48	-11.23	11.25	<=34.77	Pass
		50	0	22.41	-11.23	11.18	<=34.77	Pass
	829	1	0	23.16	-11.23	11.93	<=34.77	Pass
			25	23.14	-11.23	11.91	<=34.77	Pass
			49	23.20	-11.23	11.97	<=34.77	Pass
		25	0	21.56	-11.23	10.33	<=34.77	Pass
			13	21.50	-11.23	10.27	<=34.77	Pass
			25	21.43	-11.23	10.20	<=34.77	Pass
		50	0	21.53	-11.23	10.30	<=34.77	Pass
	836.5	1	0	22.42	-11.23	11.19	<=34.77	Pass
			25	22.38	-11.23	11.15	<=34.77	Pass
			49	22.44	-11.23	11.21	<=34.77	Pass
		25	0	21.74	-11.23	10.51	<=34.77	Pass
			13	21.61	-11.23	10.38	<=34.77	Pass
			25	21.63	-11.23	10.40	<=34.77	Pass
		50	0	21.44	-11.23	10.21	<=34.77	Pass
	844	1	0	23.65	-11.23	12.42	<=34.77	Pass
			25	23.58	-11.23	12.35	<=34.77	Pass
			49	23.58	-11.23	12.35	<=34.77	Pass
		25	0	21.50	-11.23	10.27	<=34.77	Pass
			13	21.45	-11.23	10.22	<=34.77	Pass
			25	21.52	-11.23	10.29	<=34.77	Pass
		50	0	21.46	-11.23	10.23	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	27.165	0.0329	-2.5 to 2.5	Pass
					3.85	19.269	0.0234	-2.5 to 2.5	Pass
					4.43	-13.061	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-47.536	-0.0576	-2.5 to 2.5	Pass
				-20	3.85	-28.238	-0.0342	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-27.380	-0.0332	-2.5 to 2.5	Pass
				10	3.85	-45.977	-0.0557	-2.5 to 2.5	Pass
				30	3.85	-14.119	-0.0171	-2.5 to 2.5	Pass
				40	3.85	-30.355	-0.0368	-2.5 to 2.5	Pass
				50	3.85	-43.774	-0.0531	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-25.907	-0.0310	-2.5 to 2.5	Pass
					3.85	-36.221	-0.0433	-2.5 to 2.5	Pass
					4.43	-36.063	-0.0431	-2.5 to 2.5	Pass
				-30	3.85	-18.926	-0.0226	-2.5 to 2.5	Pass
				-20	3.85	-28.238	-0.0338	-2.5 to 2.5	Pass
				-10	3.85	-15.035	-0.0180	-2.5 to 2.5	Pass

				0	3.85	-26.236	-0.0314	-2.5 to 2.5	Pass
				10	3.85	-31.013	-0.0371	-2.5 to 2.5	Pass
				30	3.85	-37.036	-0.0443	-2.5 to 2.5	Pass
				40	3.85	-29.197	-0.0349	-2.5 to 2.5	Pass
				50	3.85	-17.924	-0.0214	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.730	-0.0009	-2.5 to 2.5	Pass
					3.85	-4.992	-0.0059	-2.5 to 2.5	Pass
					4.43	-25.964	-0.0306	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-30.327	-0.0358	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-28.009	-0.0330	-2.5 to 2.5	Pass
				10	3.85	1.001	0.0012	-2.5 to 2.5	Pass
				30	3.85	-18.182	-0.0214	-2.5 to 2.5	Pass
				40	3.85	-33.631	-0.0396	-2.5 to 2.5	Pass
				50	3.85	-47.679	-0.0562	-2.5 to 2.5	Pass
	824.7	6	0	20	3.27	-4.463	-0.0054	-2.5 to 2.5	Pass
					3.85	-11.616	-0.0141	-2.5 to 2.5	Pass
					4.43	-15.264	-0.0185	-2.5 to 2.5	Pass
				-30	3.85	-16.208	-0.0197	-2.5 to 2.5	Pass
				-20	3.85	-16.794	-0.0204	-2.5 to 2.5	Pass
				-10	3.85	-20.943	-0.0254	-2.5 to 2.5	Pass
				0	3.85	-24.948	-0.0303	-2.5 to 2.5	Pass
				10	3.85	-29.340	-0.0356	-2.5 to 2.5	Pass
				30	3.85	-33.131	-0.0402	-2.5 to 2.5	Pass
				40	3.85	-34.432	-0.0418	-2.5 to 2.5	Pass
				50	3.85	-32.859	-0.0398	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.704	-0.0032	-2.5 to 2.5	Pass
					3.85	-31.729	-0.0379	-2.5 to 2.5	Pass
					4.43	-5.450	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-27.609	-0.0330	-2.5 to 2.5	Pass
				-20	3.85	-45.362	-0.0542	-2.5 to 2.5	Pass
				-10	3.85	-20.585	-0.0246	-2.5 to 2.5	Pass
				0	3.85	-39.082	-0.0467	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-20.971	-0.0251	-2.5 to 2.5	Pass
				40	3.85	-36.435	-0.0436	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-6.251	-0.0074	-2.5 to 2.5	Pass
					3.85	-14.448	-0.0170	-2.5 to 2.5	Pass
					4.43	-19.169	-0.0226	-2.5 to 2.5	Pass
				-30	3.85	-24.204	-0.0285	-2.5 to 2.5	Pass
				-20	3.85	-29.411	-0.0347	-2.5 to 2.5	Pass
				-10	3.85	-34.003	-0.0401	-2.5 to 2.5	Pass
				0	3.85	-40.812	-0.0481	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-11.001	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-13.690	-0.0161	-2.5 to 2.5	Pass
				50	3.85	-15.192	-0.0179	-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	-4.978	-0.0060	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	-17.266	-0.0209	-2.5 to 2.5	Pass

16QAM				-30	3.85	-31.085	-0.0377	-2.5 to 2.5	Pass
				-20	3.85	-46.864	-0.0568	-2.5 to 2.5	Pass
				-10	3.85	-45.276	-0.0548	-2.5 to 2.5	Pass
				0	3.85	-45.691	-0.0553	-2.5 to 2.5	Pass
				10	3.85	-38.123	-0.0462	-2.5 to 2.5	Pass
				30	3.85	-23.289	-0.0282	-2.5 to 2.5	Pass
				40	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
	836.5	15	0	50	3.85	-30.370	-0.0368	-2.5 to 2.5	Pass
				20	3.27	-1.516	-0.0018	-2.5 to 2.5	Pass
					3.85	6.223	0.0074	-2.5 to 2.5	Pass
					4.43	5.679	0.0068	-2.5 to 2.5	Pass
				-30	3.85	3.791	0.0045	-2.5 to 2.5	Pass
				-20	3.85	2.060	0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.865	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-9.170	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-11.444	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-17.982	-0.0215	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	4.749	0.0056	-2.5 to 2.5	Pass
					3.85	8.469	0.0100	-2.5 to 2.5	Pass
					4.43	1.974	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-8.183	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-15.063	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-22.445	-0.0265	-2.5 to 2.5	Pass
				10	3.85	-30.341	-0.0358	-2.5 to 2.5	Pass
				30	3.85	-37.251	-0.0440	-2.5 to 2.5	Pass
				40	3.85	-41.213	-0.0486	-2.5 to 2.5	Pass
				50	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
	825.5	15	0	20	3.27	-3.934	-0.0048	-2.5 to 2.5	Pass
					3.85	-24.104	-0.0292	-2.5 to 2.5	Pass
					4.43	-43.731	-0.0530	-2.5 to 2.5	Pass
				-30	3.85	-10.185	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-28.553	-0.0346	-2.5 to 2.5	Pass
				-10	3.85	-46.463	-0.0563	-2.5 to 2.5	Pass
				0	3.85	-11.601	-0.0141	-2.5 to 2.5	Pass
				10	3.85	-25.835	-0.0313	-2.5 to 2.5	Pass
				30	3.85	-37.394	-0.0453	-2.5 to 2.5	Pass
				40	3.85	-28.396	-0.0344	-2.5 to 2.5	Pass
				50	3.85	-10.543	-0.0128	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-22.502	-0.0269	-2.5 to 2.5	Pass
					3.85	-25.191	-0.0301	-2.5 to 2.5	Pass
					4.43	-27.437	-0.0328	-2.5 to 2.5	Pass
				-30	3.85	-28.353	-0.0339	-2.5 to 2.5	Pass
				-20	3.85	-28.954	-0.0346	-2.5 to 2.5	Pass
				-10	3.85	-28.167	-0.0337	-2.5 to 2.5	Pass
				0	3.85	-27.165	-0.0325	-2.5 to 2.5	Pass
				10	3.85	-27.337	-0.0327	-2.5 to 2.5	Pass
				30	3.85	-28.167	-0.0337	-2.5 to 2.5	Pass
				40	3.85	-31.700	-0.0379	-2.5 to 2.5	Pass
				50	3.85	-33.774	-0.0404	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-4.234	-0.0050	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0114	-2.5 to 2.5	Pass
					4.43	-13.547	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-18.325	-0.0216	-2.5 to 2.5	Pass
				-20	3.85	-22.216	-0.0262	-2.5 to 2.5	Pass
				-10	3.85	-25.806	-0.0304	-2.5 to 2.5	Pass
				0	3.85	-28.882	-0.0341	-2.5 to 2.5	Pass

				10	3.85	-27.552	-0.0325	-2.5 to 2.5	Pass
				30	3.85	-30.456	-0.0359	-2.5 to 2.5	Pass
				40	3.85	-32.272	-0.0381	-2.5 to 2.5	Pass
				50	3.85	-32.816	-0.0387	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	23.217	0.0281	-2.5 to 2.5	Pass
					3.85	33.889	0.0410	-2.5 to 2.5	Pass
					4.43	28.524	0.0345	-2.5 to 2.5	Pass
				-30	3.85	19.140	0.0232	-2.5 to 2.5	Pass
				-20	3.85	7.753	0.0094	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-9.670	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-15.678	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-19.155	-0.0232	-2.5 to 2.5	Pass
				40	3.85	-23.661	-0.0286	-2.5 to 2.5	Pass
				50	3.85	-28.281	-0.0342	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	6.452	0.0077	-2.5 to 2.5	Pass
					3.85	13.833	0.0165	-2.5 to 2.5	Pass
					4.43	17.438	0.0208	-2.5 to 2.5	Pass
				-30	3.85	18.082	0.0216	-2.5 to 2.5	Pass
				-20	3.85	18.725	0.0224	-2.5 to 2.5	Pass
				-10	3.85	16.179	0.0193	-2.5 to 2.5	Pass
				0	3.85	16.794	0.0201	-2.5 to 2.5	Pass
				10	3.85	15.163	0.0181	-2.5 to 2.5	Pass
				30	3.85	13.447	0.0161	-2.5 to 2.5	Pass
				40	3.85	12.102	0.0145	-2.5 to 2.5	Pass
				50	3.85	13.962	0.0167	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	6.237	0.0074	-2.5 to 2.5	Pass
					3.85	11.215	0.0132	-2.5 to 2.5	Pass
					4.43	5.307	0.0063	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-11.616	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-18.210	-0.0215	-2.5 to 2.5	Pass
				10	3.85	-24.819	-0.0293	-2.5 to 2.5	Pass
				30	3.85	-29.268	-0.0346	-2.5 to 2.5	Pass
				40	3.85	-31.271	-0.0369	-2.5 to 2.5	Pass
				50	3.85	-33.917	-0.0401	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-32.501	-0.0393	-2.5 to 2.5	Pass
					3.85	-35.005	-0.0424	-2.5 to 2.5	Pass
					4.43	-36.793	-0.0445	-2.5 to 2.5	Pass
				-30	3.85	-35.605	-0.0431	-2.5 to 2.5	Pass
				-20	3.85	-32.659	-0.0395	-2.5 to 2.5	Pass
				-10	3.85	-31.514	-0.0381	-2.5 to 2.5	Pass
				0	3.85	-29.740	-0.0360	-2.5 to 2.5	Pass
				10	3.85	-27.809	-0.0336	-2.5 to 2.5	Pass
				30	3.85	-26.608	-0.0322	-2.5 to 2.5	Pass
				40	3.85	-25.506	-0.0309	-2.5 to 2.5	Pass
				50	3.85	-25.535	-0.0309	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	15.850	0.0189	-2.5 to 2.5	Pass
					3.85	20.900	0.0250	-2.5 to 2.5	Pass
					4.43	24.891	0.0298	-2.5 to 2.5	Pass
				-30	3.85	27.008	0.0323	-2.5 to 2.5	Pass

				-20	3.85	28.567	0.0342	-2.5 to 2.5	Pass
				-10	3.85	30.026	0.0359	-2.5 to 2.5	Pass
				0	3.85	34.232	0.0409	-2.5 to 2.5	Pass
				10	3.85	37.222	0.0445	-2.5 to 2.5	Pass
				30	3.85	36.392	0.0435	-2.5 to 2.5	Pass
				40	3.85	36.950	0.0442	-2.5 to 2.5	Pass
	846.5	25	0	50	3.85	39.182	0.0468	-2.5 to 2.5	Pass
				20	3.27	-35.448	-0.0419	-2.5 to 2.5	Pass
					3.85	-32.902	-0.0389	-2.5 to 2.5	Pass
					4.43	-28.467	-0.0336	-2.5 to 2.5	Pass
				-30	3.85	-22.502	-0.0266	-2.5 to 2.5	Pass
				-20	3.85	-16.322	-0.0193	-2.5 to 2.5	Pass
				-10	3.85	-11.129	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-8.869	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0020	-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	15.292	0.0184	-2.5 to 2.5	Pass
					3.85	21.129	0.0255	-2.5 to 2.5	Pass
					4.43	10.314	0.0124	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-24.090	-0.0291	-2.5 to 2.5	Pass
				-10	3.85	-35.605	-0.0429	-2.5 to 2.5	Pass
				0	3.85	-29.311	-0.0354	-2.5 to 2.5	Pass
				10	3.85	-8.769	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-17.295	-0.0209	-2.5 to 2.5	Pass
				40	3.85	-27.037	-0.0326	-2.5 to 2.5	Pass
				50	3.85	-33.159	-0.0400	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	8.268	0.0099	-2.5 to 2.5	Pass
					3.85	13.089	0.0156	-2.5 to 2.5	Pass
					4.43	8.383	0.0100	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-8.268	-0.0099	-2.5 to 2.5	Pass
	844	50	0	20	3.27	6.323	0.0075	-2.5 to 2.5	Pass
					3.85	4.921	0.0058	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-13.061	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-18.840	-0.0223	-2.5 to 2.5	Pass
				-10	3.85	-25.163	-0.0298	-2.5 to 2.5	Pass
				0	3.85	-29.426	-0.0349	-2.5 to 2.5	Pass
				10	3.85	-33.259	-0.0394	-2.5 to 2.5	Pass
				30	3.85	-35.033	-0.0415	-2.5 to 2.5	Pass
				40	3.85	-39.682	-0.0470	-2.5 to 2.5	Pass
				50	3.85	-43.087	-0.0511	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-36.635	-0.0442	-2.5 to 2.5	Pass

					3.85	-31.586	-0.0381	-2.5 to 2.5	Pass
					4.43	-28.324	-0.0342	-2.5 to 2.5	Pass
				-30	3.85	-24.133	-0.0291	-2.5 to 2.5	Pass
				-20	3.85	-20.270	-0.0245	-2.5 to 2.5	Pass
				-10	3.85	-19.083	-0.0230	-2.5 to 2.5	Pass
				0	3.85	-18.797	-0.0227	-2.5 to 2.5	Pass
				10	3.85	-18.911	-0.0228	-2.5 to 2.5	Pass
				30	3.85	-16.208	-0.0196	-2.5 to 2.5	Pass
				40	3.85	-15.121	-0.0182	-2.5 to 2.5	Pass
				50	3.85	-10.786	-0.0130	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-8.640	-0.0103	-2.5 to 2.5	Pass
					3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
					4.43	2.646	0.0032	-2.5 to 2.5	Pass
				-30	3.85	7.539	0.0090	-2.5 to 2.5	Pass
				-20	3.85	9.513	0.0114	-2.5 to 2.5	Pass
				-10	3.85	11.845	0.0142	-2.5 to 2.5	Pass
				0	3.85	15.321	0.0183	-2.5 to 2.5	Pass
				10	3.85	17.767	0.0212	-2.5 to 2.5	Pass
				30	3.85	19.426	0.0232	-2.5 to 2.5	Pass
				40	3.85	21.529	0.0257	-2.5 to 2.5	Pass
				50	3.85	21.615	0.0258	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-42.944	-0.0509	-2.5 to 2.5	Pass
					3.85	-37.665	-0.0446	-2.5 to 2.5	Pass
					4.43	-30.527	-0.0362	-2.5 to 2.5	Pass
				-30	3.85	-22.101	-0.0262	-2.5 to 2.5	Pass
				-20	3.85	-19.212	-0.0228	-2.5 to 2.5	Pass
				-10	3.85	-14.791	-0.0175	-2.5 to 2.5	Pass
				0	3.85	-11.172	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-8.941	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-6.495	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0024	-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 / 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

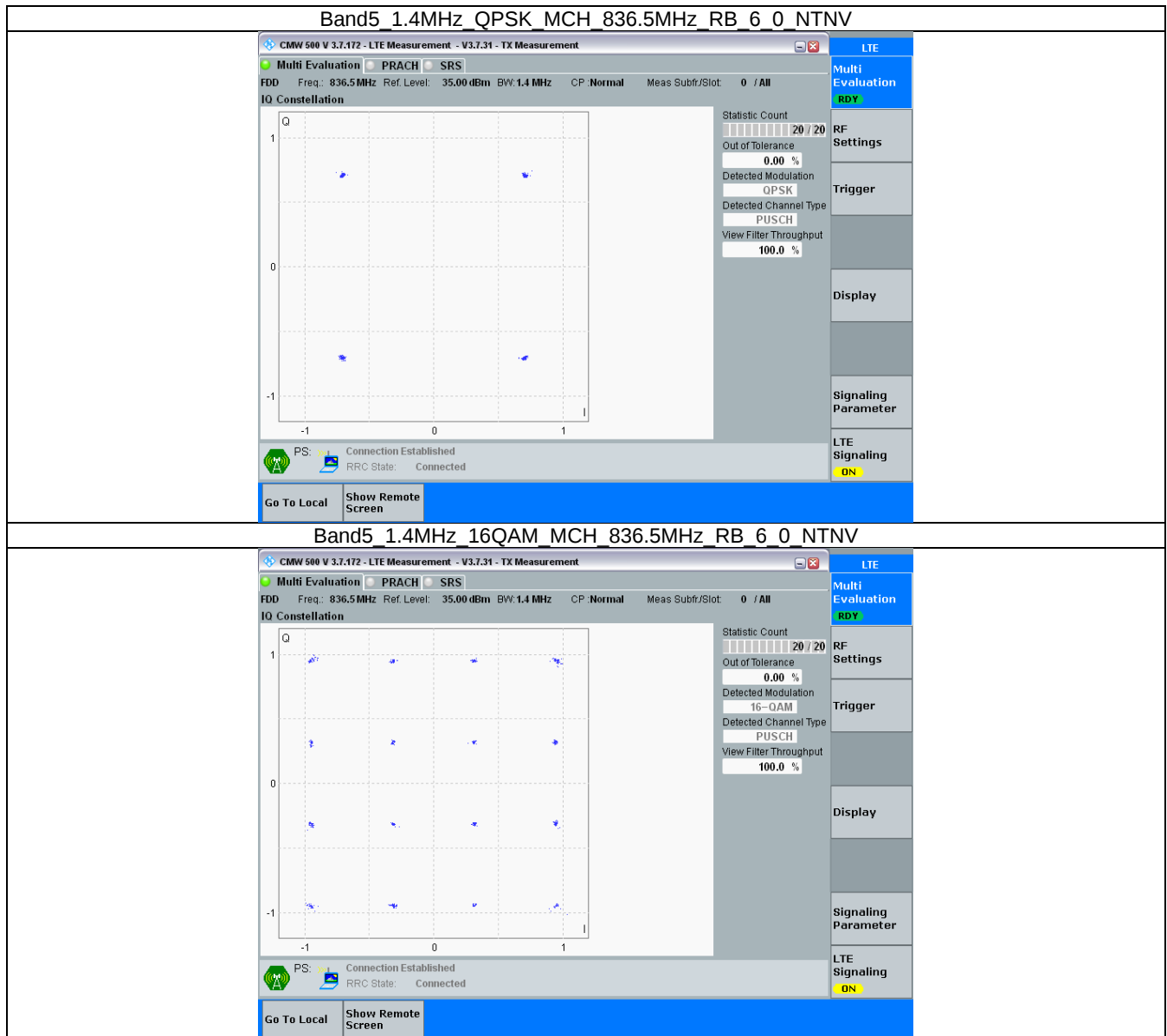
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

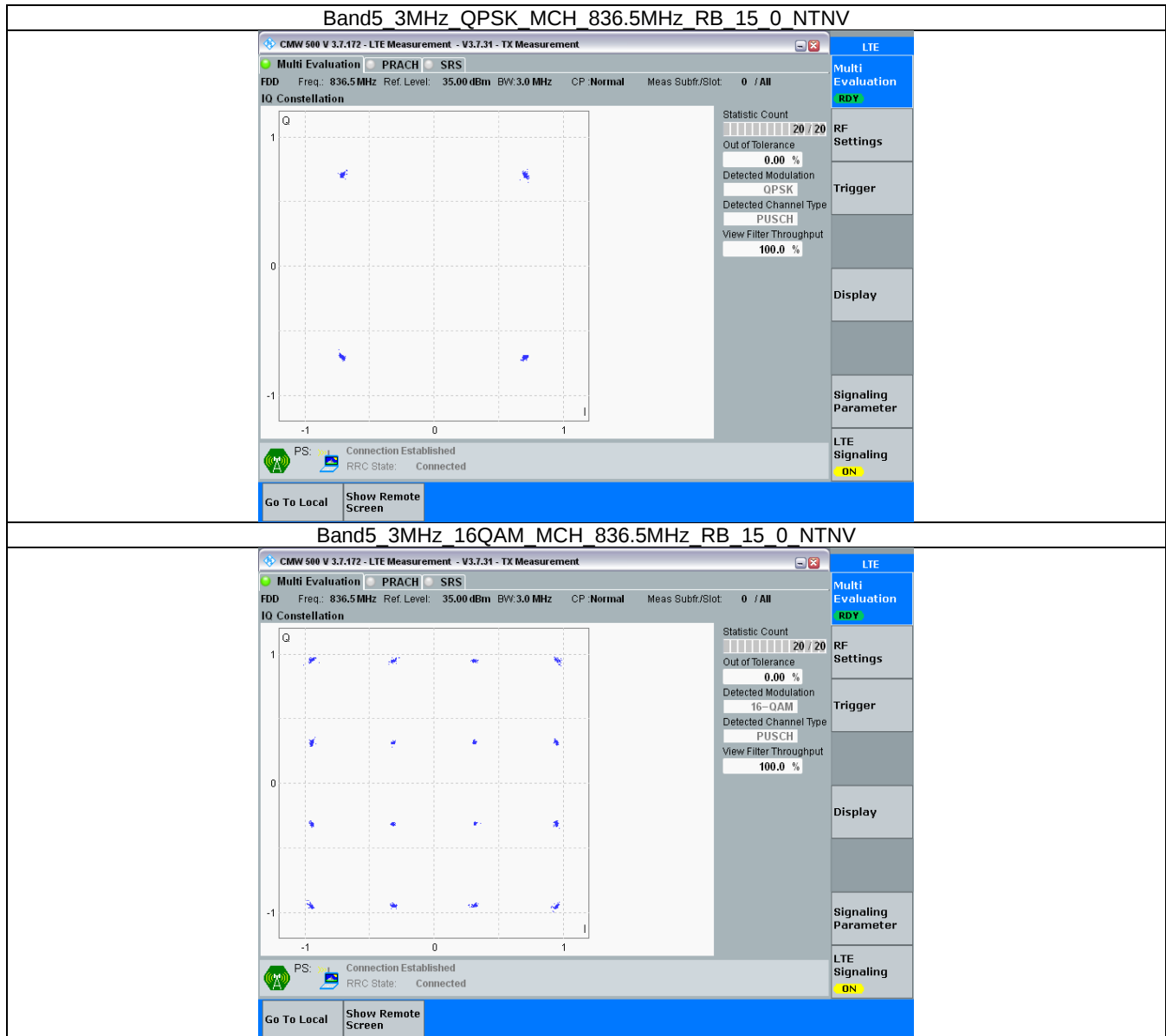
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

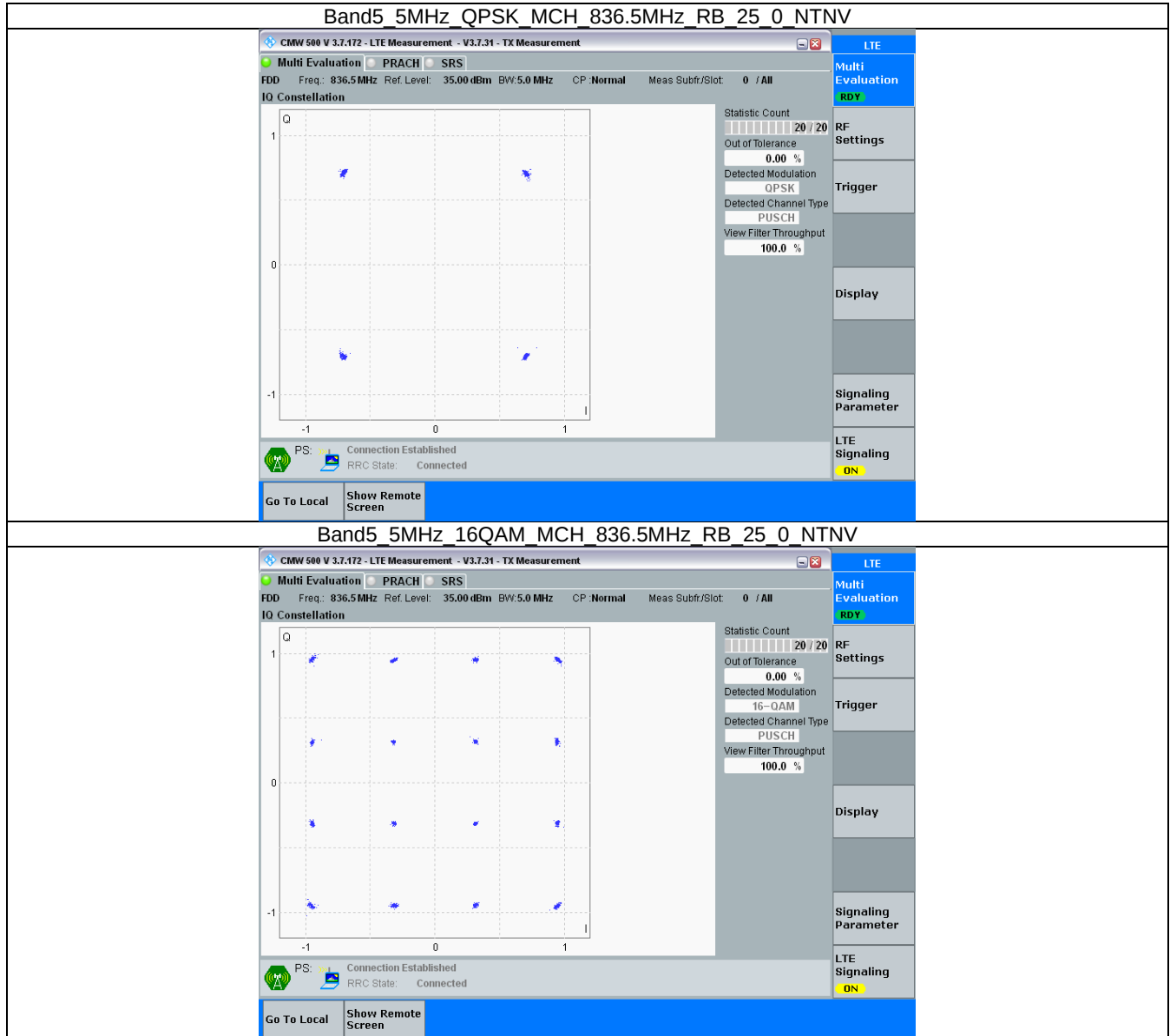
3.2.1 B5_1.4MHz



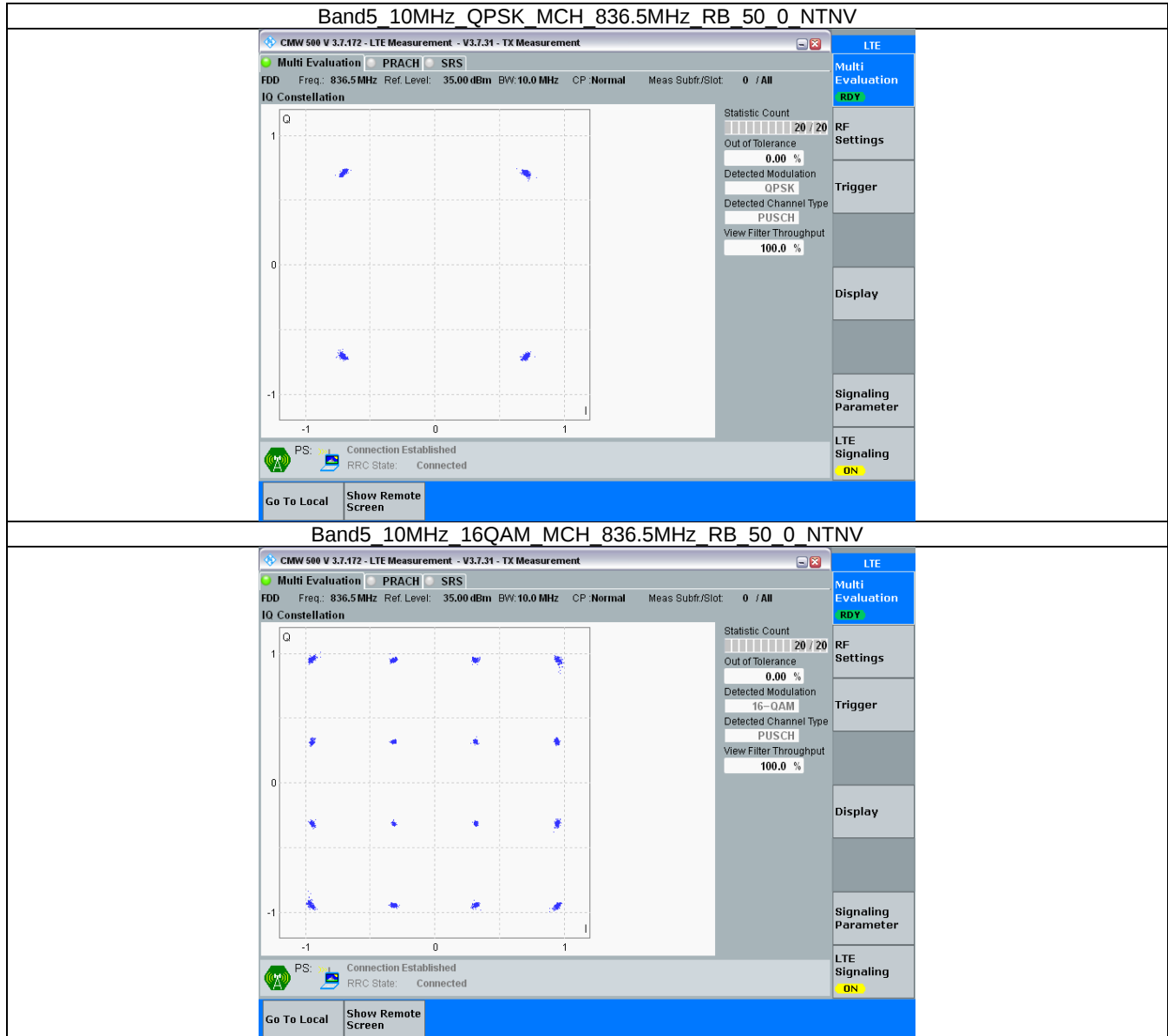
3.2.2 B5_3MHz



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	1.110	/	Pass
		836.5	6	0	1.112	/	Pass
		848.3	6	0	1.108	/	Pass
	16QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.115	/	Pass
		848.3	6	0	1.121	/	Pass
3	QPSK	825.5	15	0	2.750	/	Pass
		836.5	15	0	2.759	/	Pass
		847.5	15	0	2.754	/	Pass
	16QAM	825.5	15	0	2.751	/	Pass
		836.5	15	0	2.740	/	Pass
		847.5	15	0	2.748	/	Pass
5	QPSK	826.5	25	0	4.559	/	Pass
		836.5	25	0	4.541	/	Pass
		846.5	25	0	4.545	/	Pass
	16QAM	826.5	25	0	4.544	/	Pass
		836.5	25	0	4.551	/	Pass
		846.5	25	0	4.566	/	Pass
10	QPSK	829	50	0	9.066	/	Pass
		836.5	50	0	9.065	/	Pass
		844	50	0	9.040	/	Pass
	16QAM	829	50	0	9.068	/	Pass
		836.5	50	0	9.064	/	Pass
		844	50	0	9.051	/	Pass

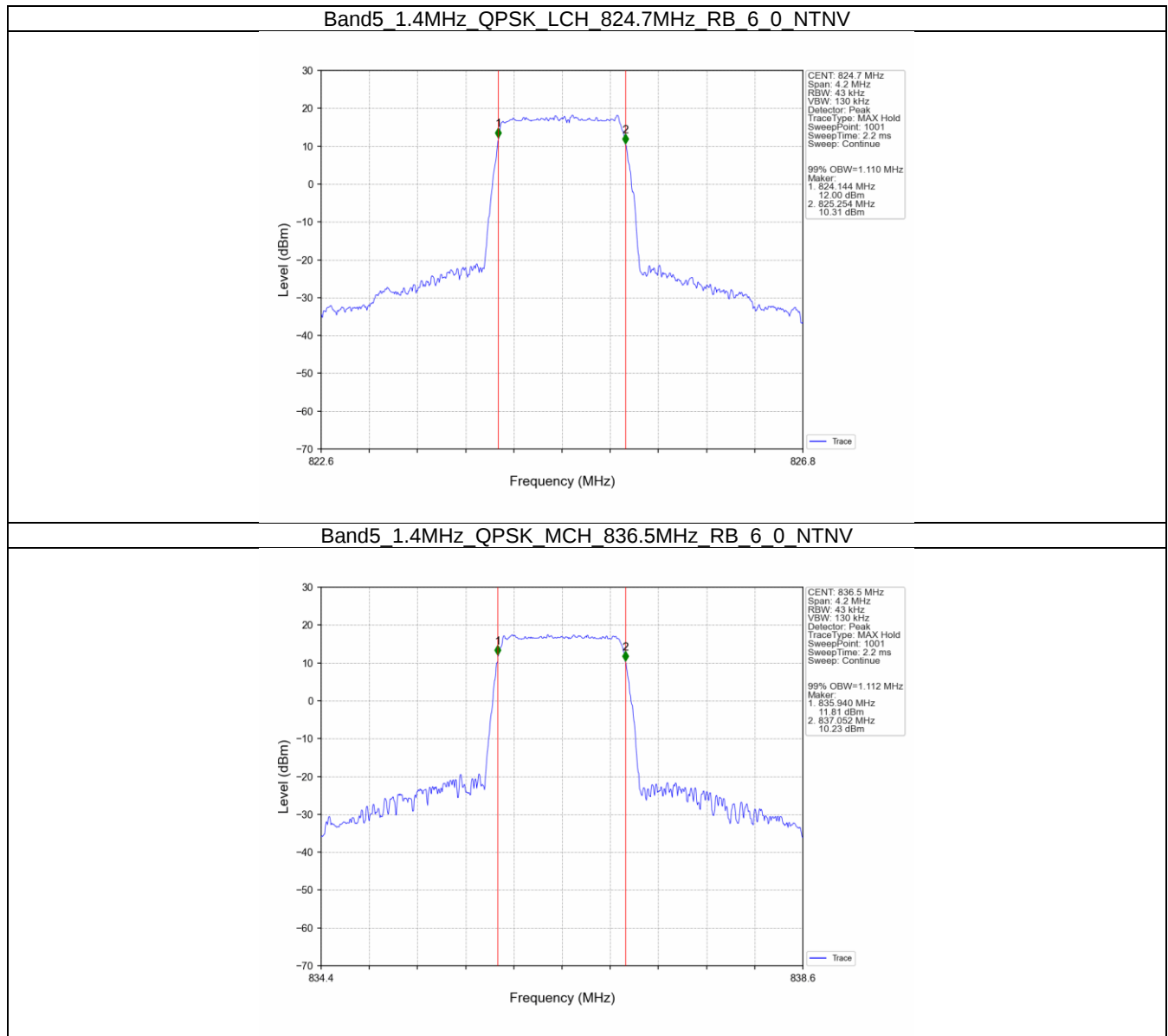
4.1.2 Band5_XDB

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	1.272	/	Pass
		836.5	6	0	1.272	/	Pass
		848.3	6	0	1.269	/	Pass
	16QAM	824.7	6	0	1.277	/	Pass
		836.5	6	0	1.266	/	Pass
		848.3	6	0	1.278	/	Pass
3	QPSK	825.5	15	0	3.106	/	Pass
		836.5	15	0	3.095	/	Pass
		847.5	15	0	3.082	/	Pass
	16QAM	825.5	15	0	3.079	/	Pass
		836.5	15	0	3.131	/	Pass
		847.5	15	0	3.101	/	Pass
5	QPSK	826.5	25	0	5.068	/	Pass
		836.5	25	0	5.077	/	Pass
		846.5	25	0	5.051	/	Pass

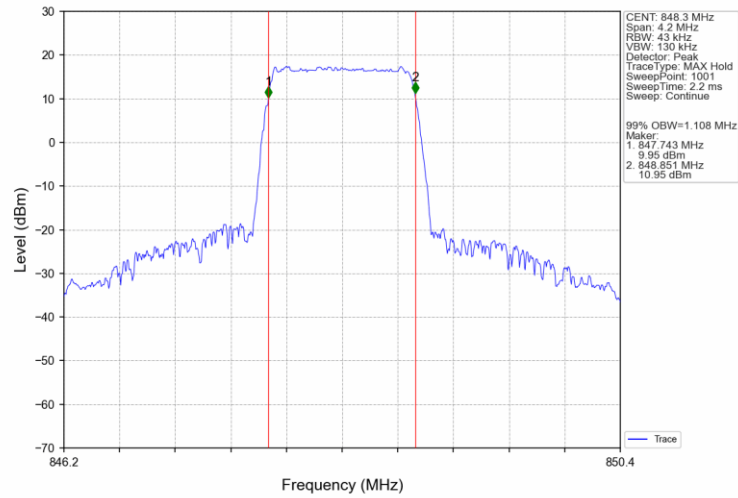
10	16QAM	826.5	25	0	5.030	/	Pass
		836.5	25	0	5.030	/	Pass
		846.5	25	0	5.049	/	Pass
	QPSK	829	50	0	10.037	/	Pass
		836.5	50	0	10.099	/	Pass
		844	50	0	10.028	/	Pass
	16QAM	829	50	0	10.054	/	Pass
		836.5	50	0	10.098	/	Pass
		844	50	0	10.028	/	Pass

4.2 Test Graph

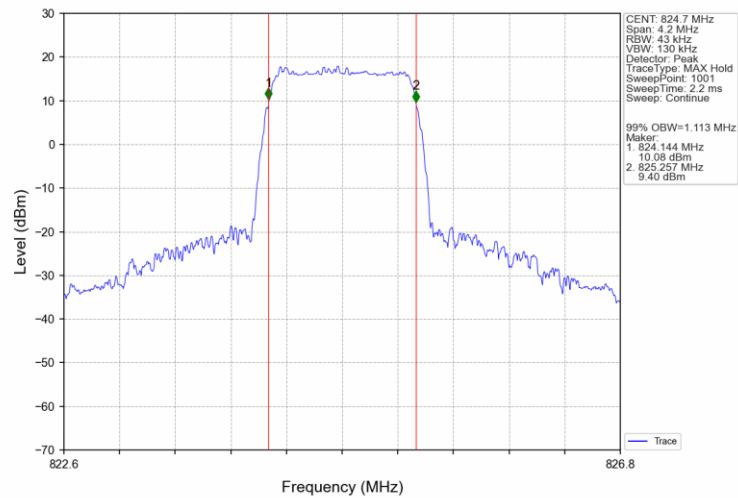
4.2.1 Band5_OBW



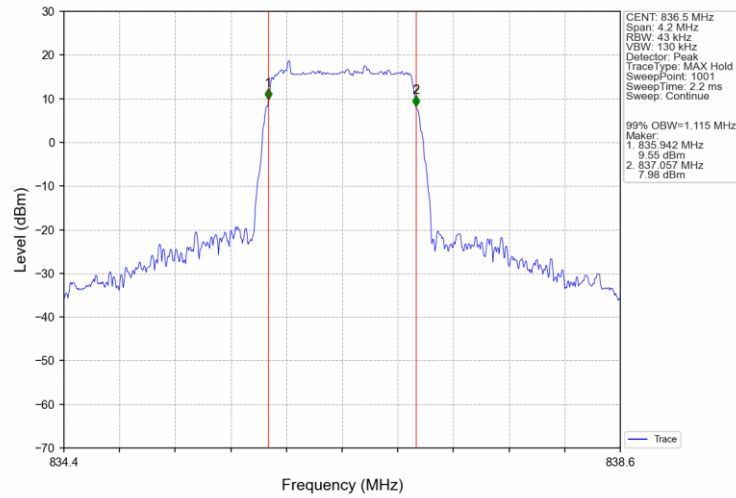
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



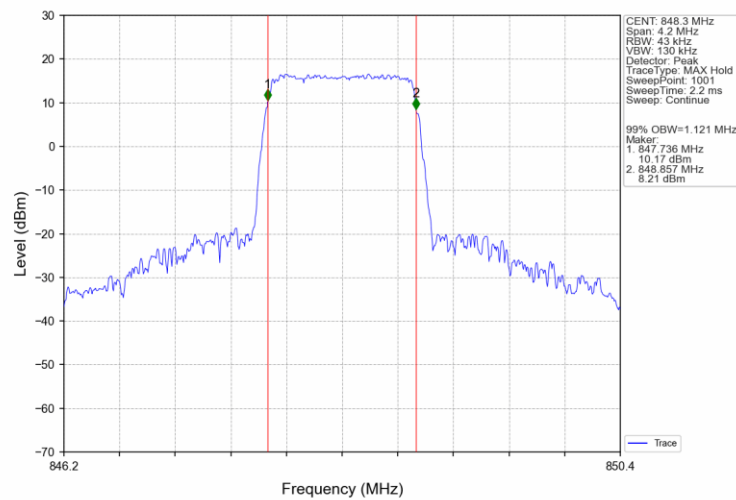
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



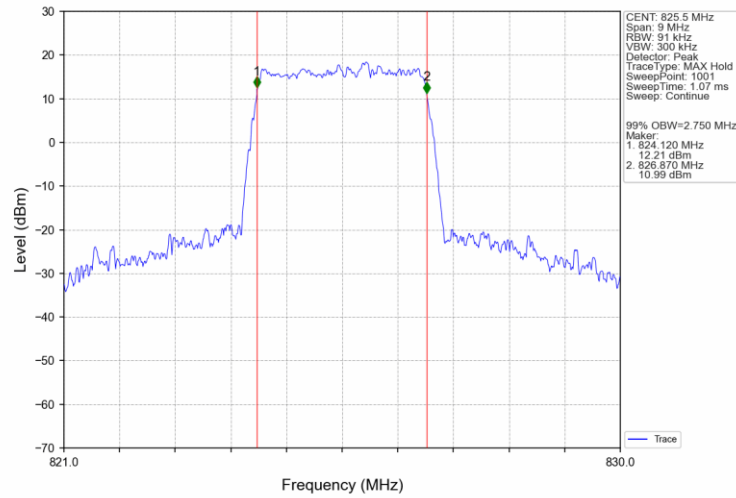
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



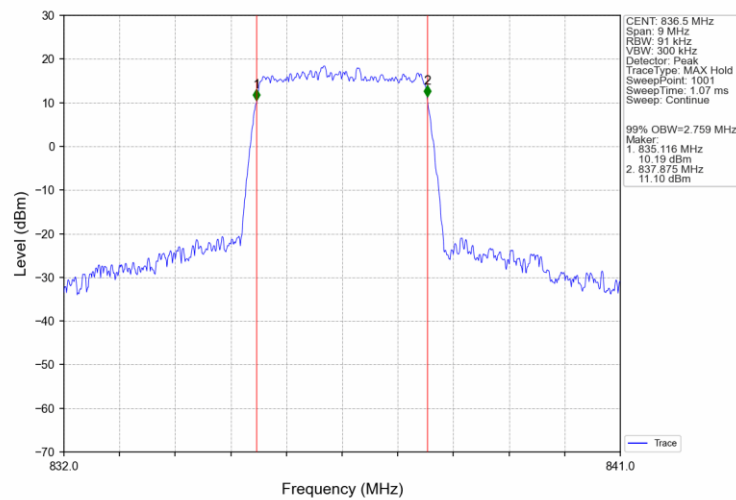
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



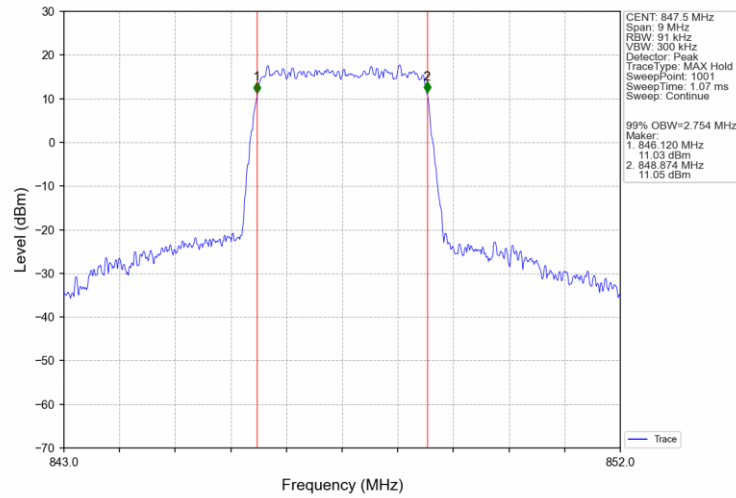
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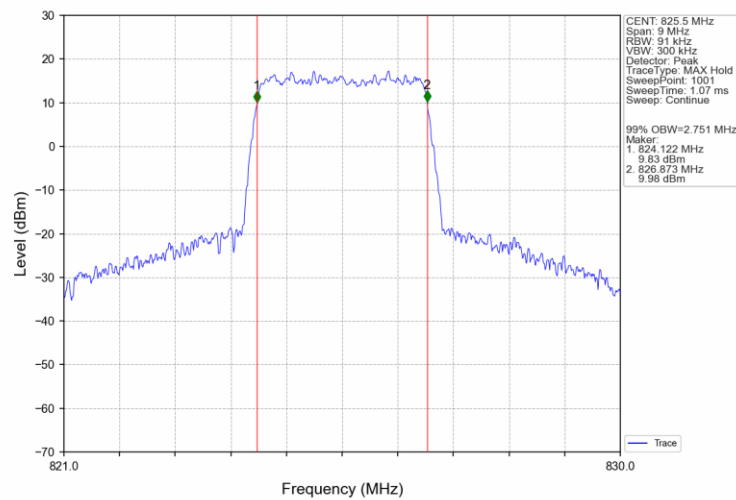
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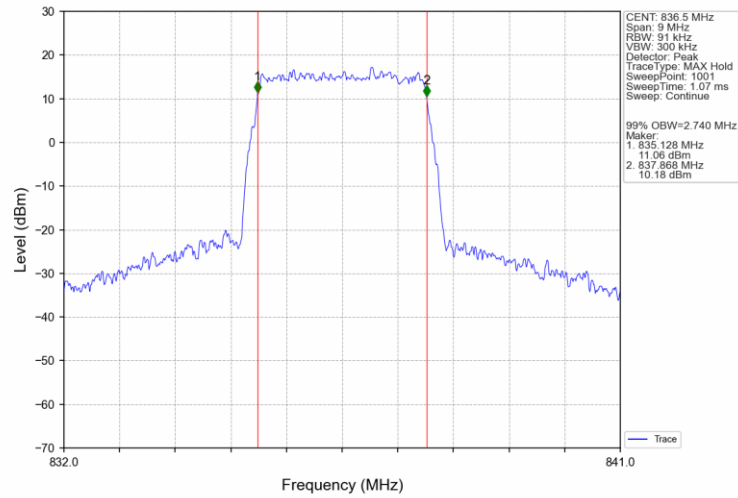
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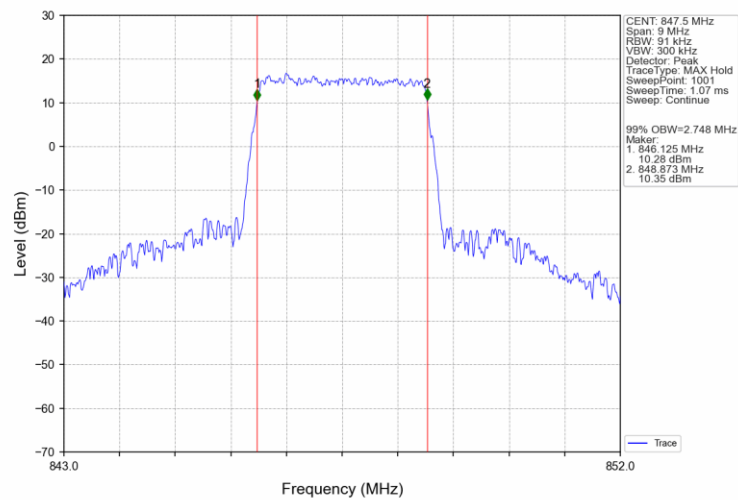
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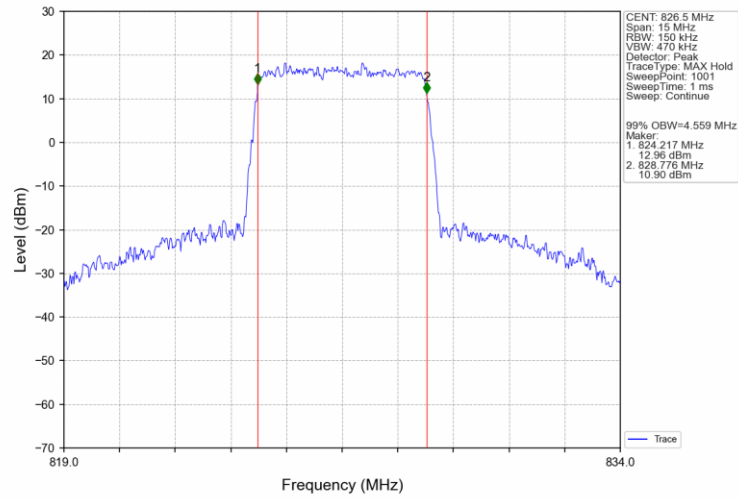
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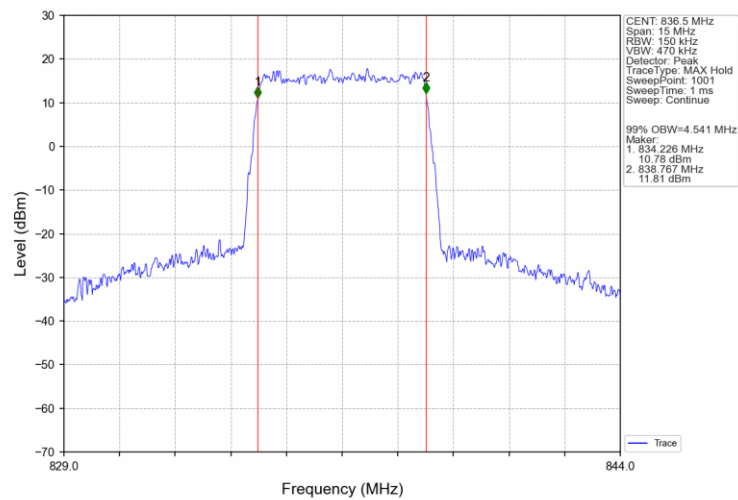
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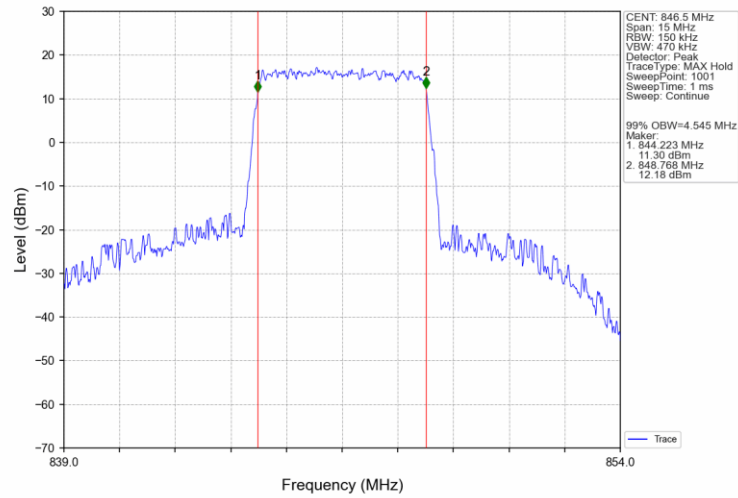
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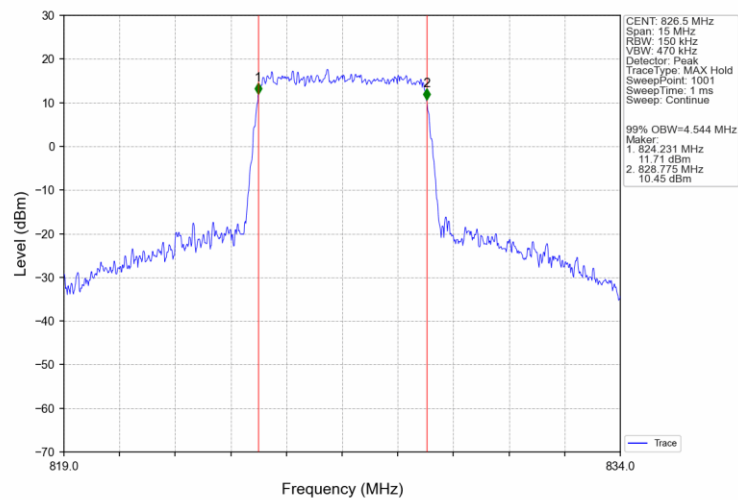
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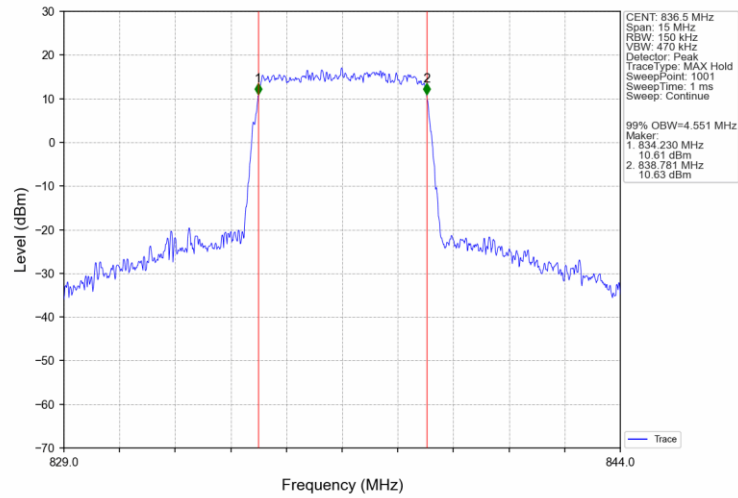
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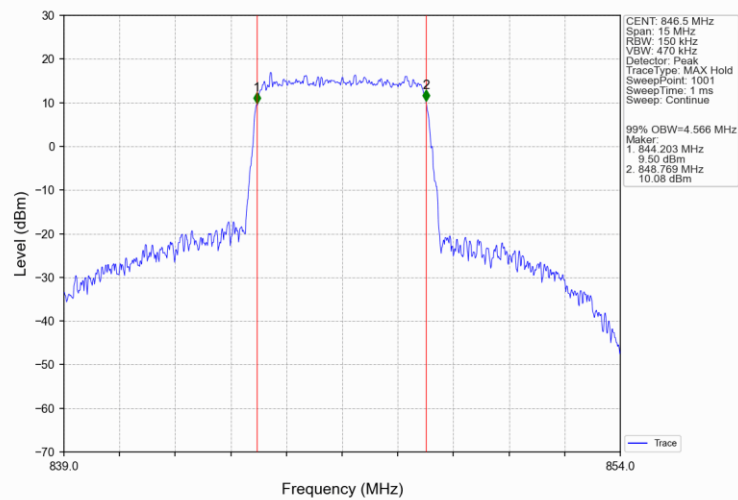
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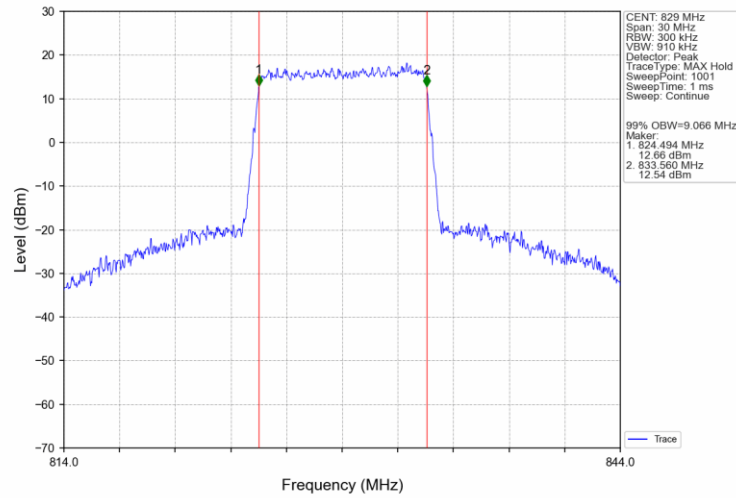
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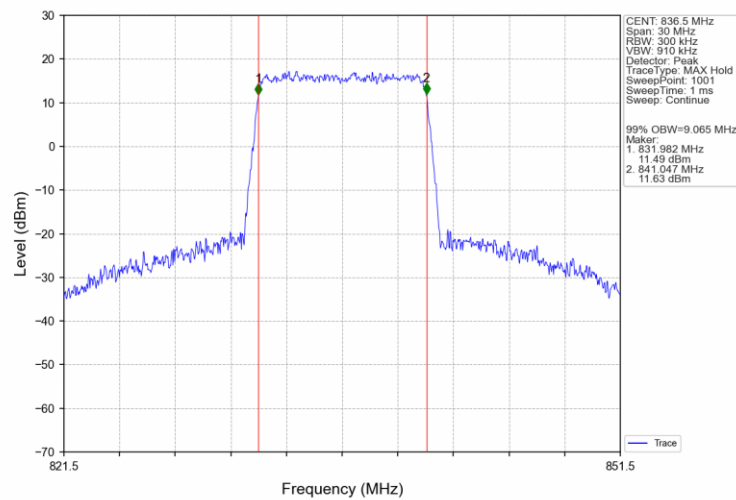
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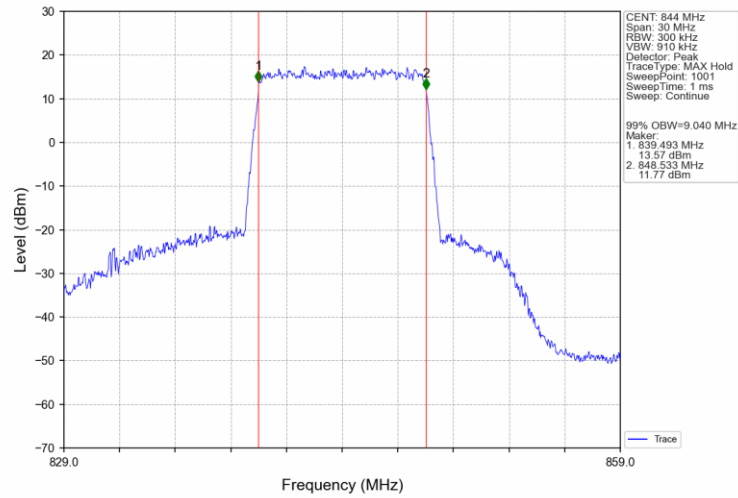
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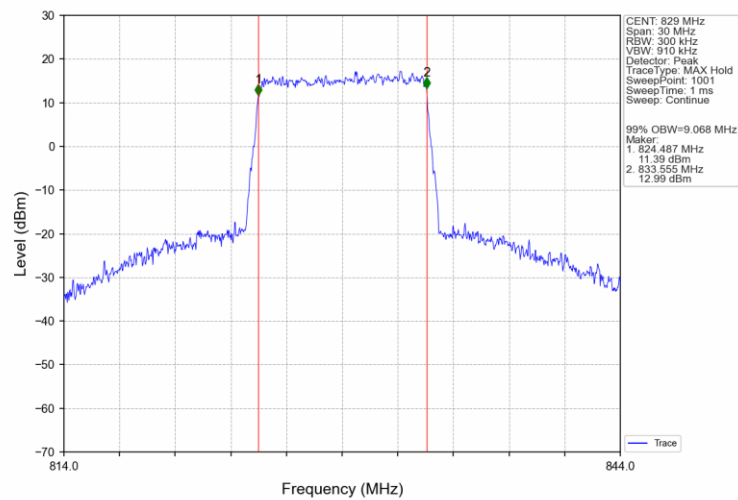
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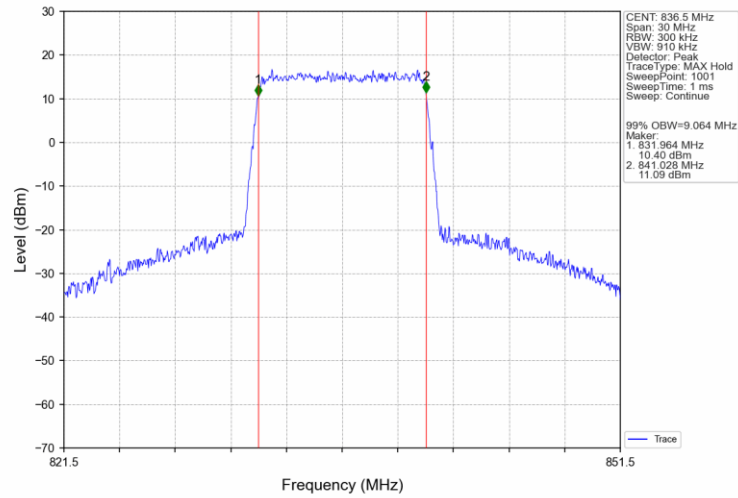
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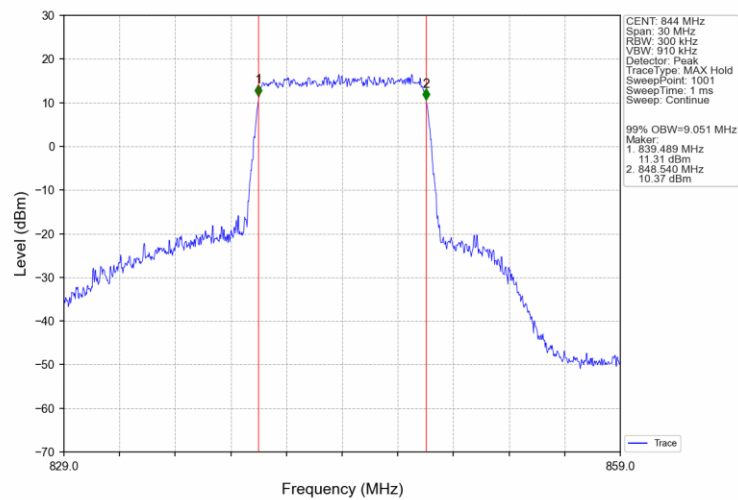
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Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

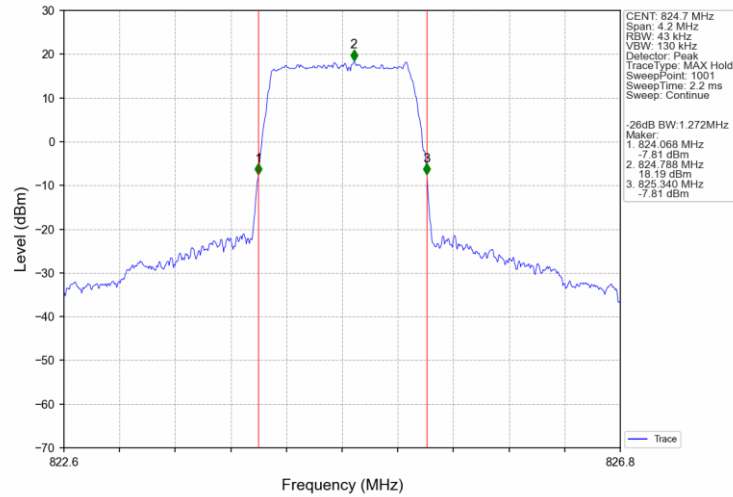


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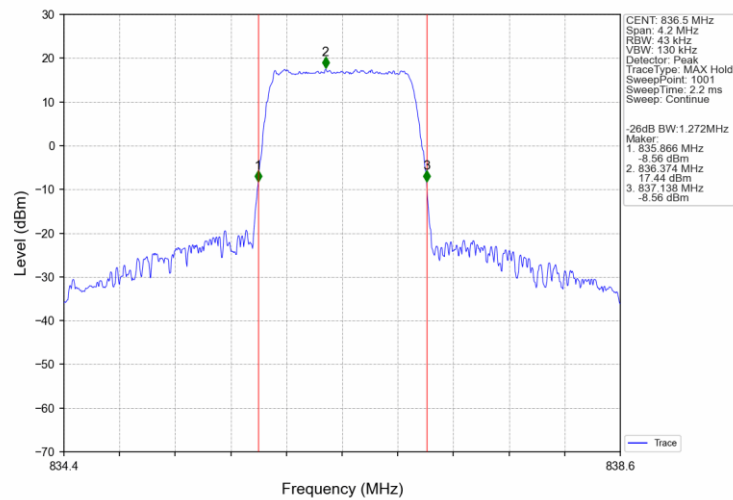


4.2.2 Band5_XDB

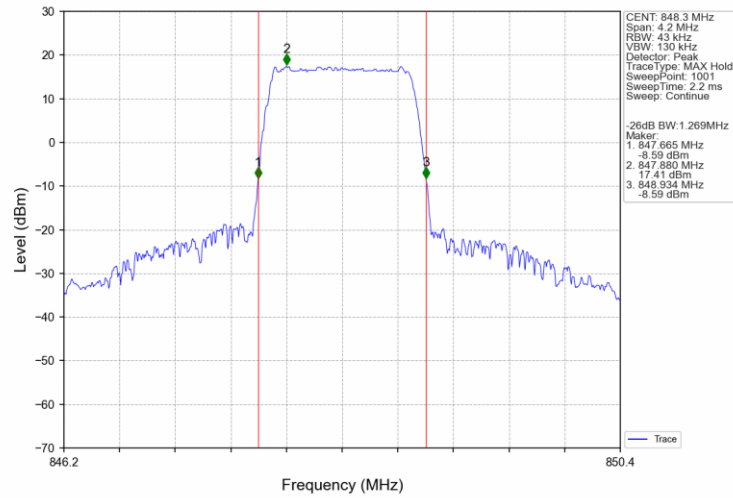
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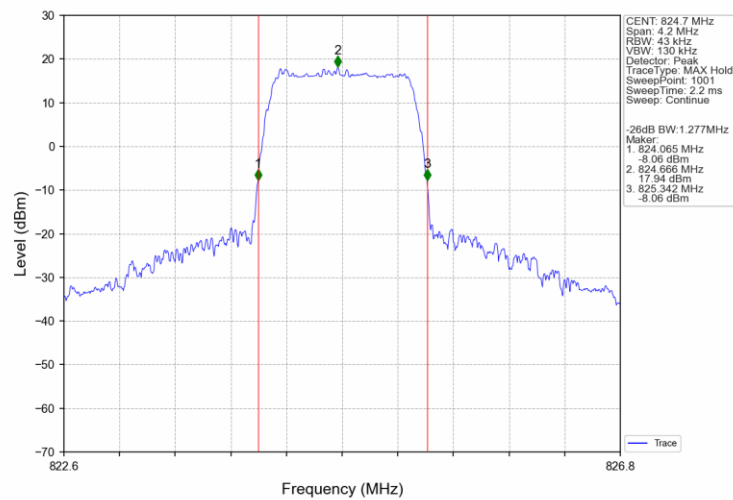
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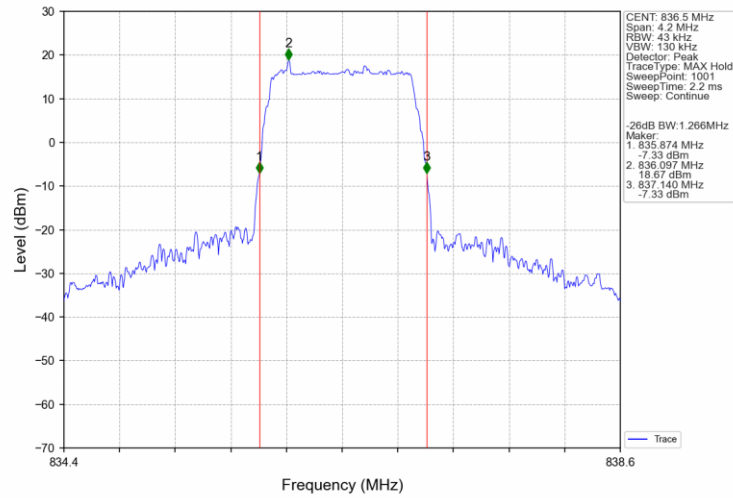
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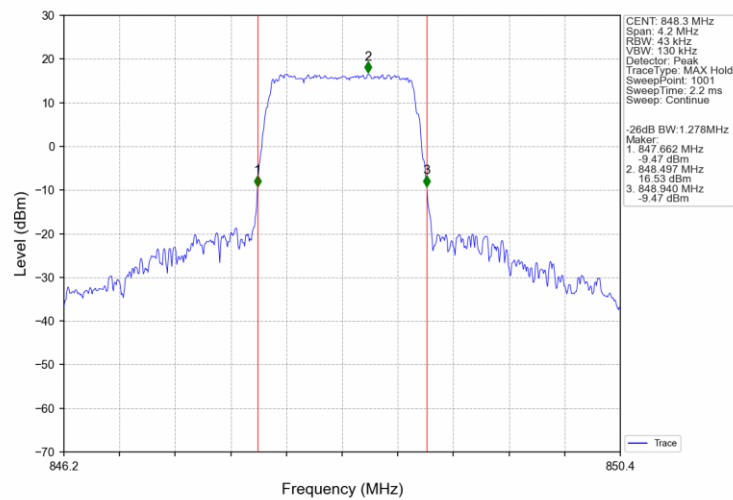
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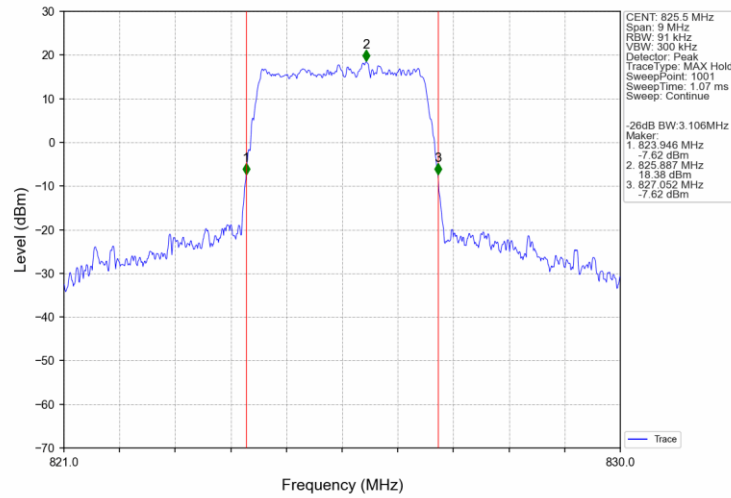
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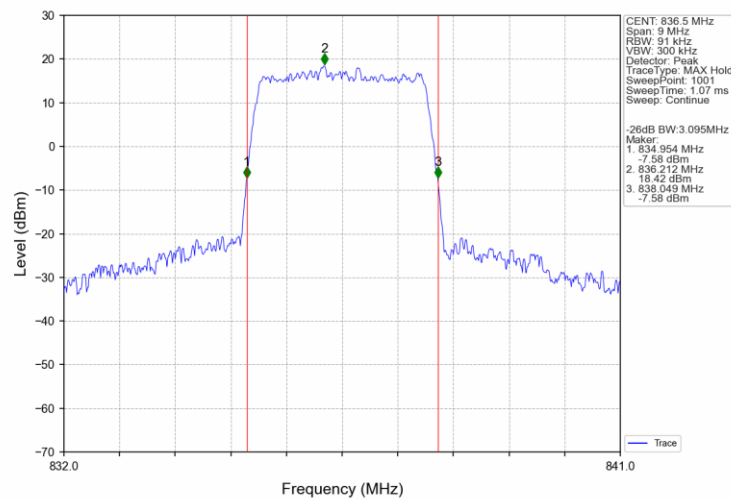
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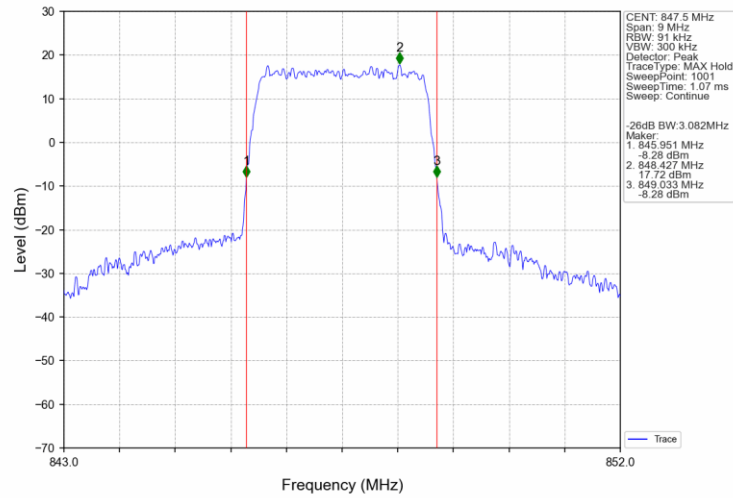
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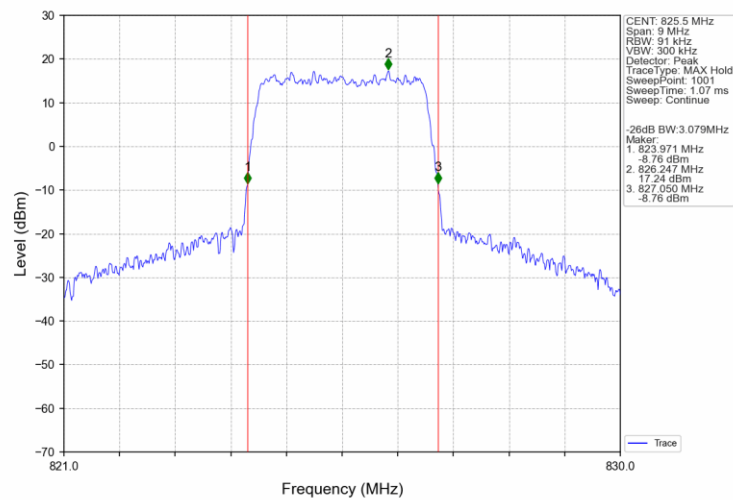
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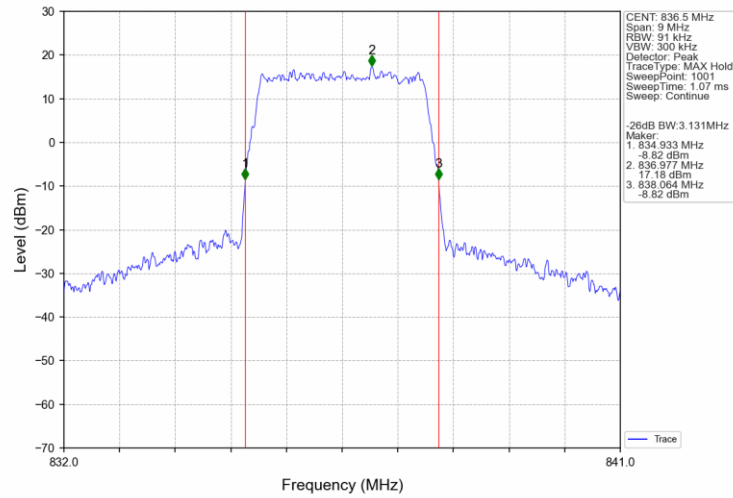
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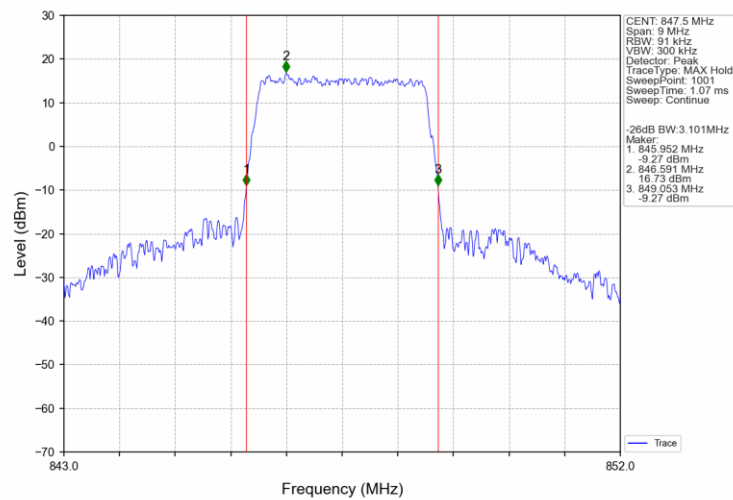
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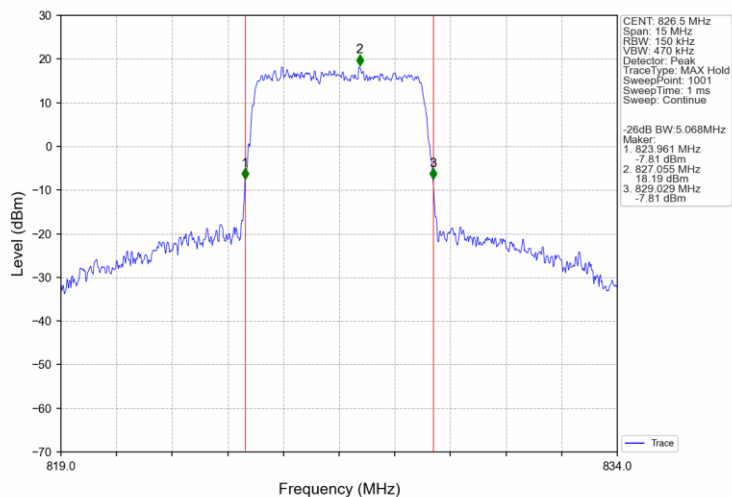
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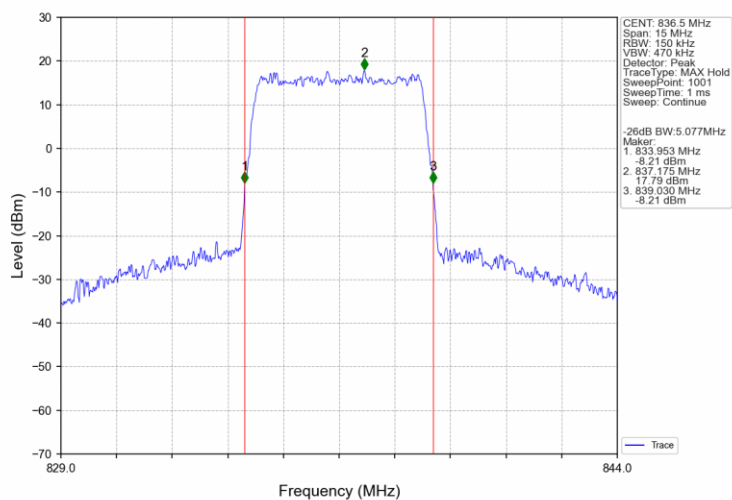
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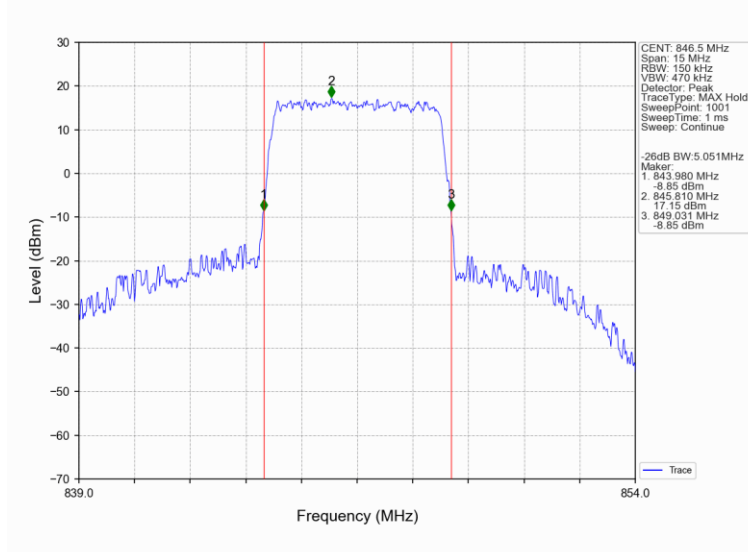
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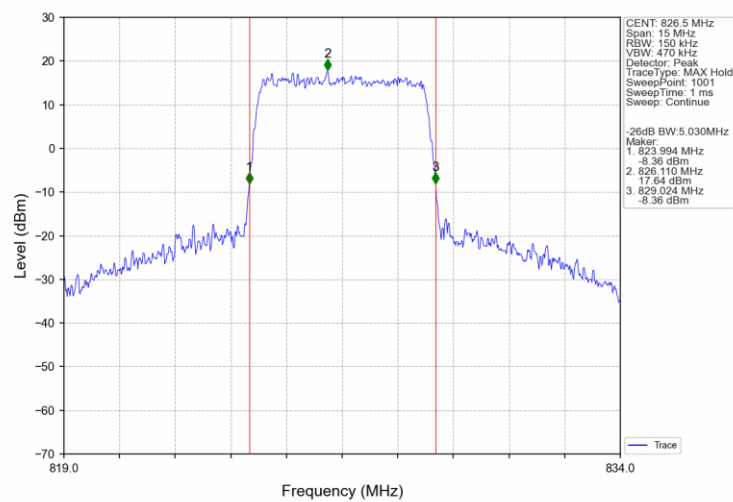
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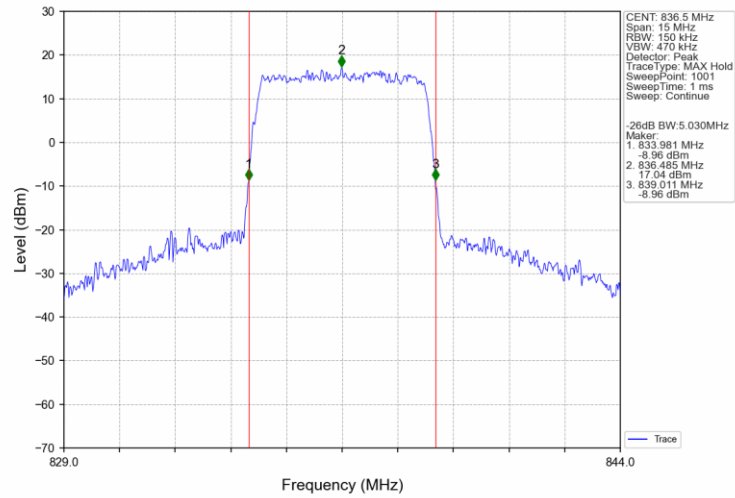
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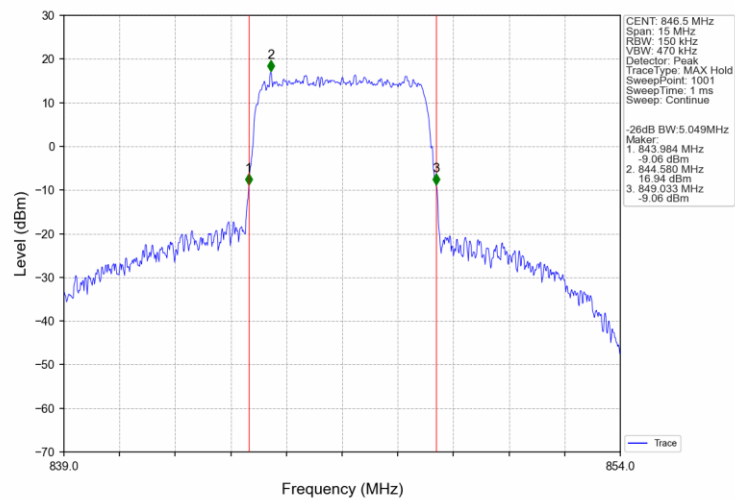
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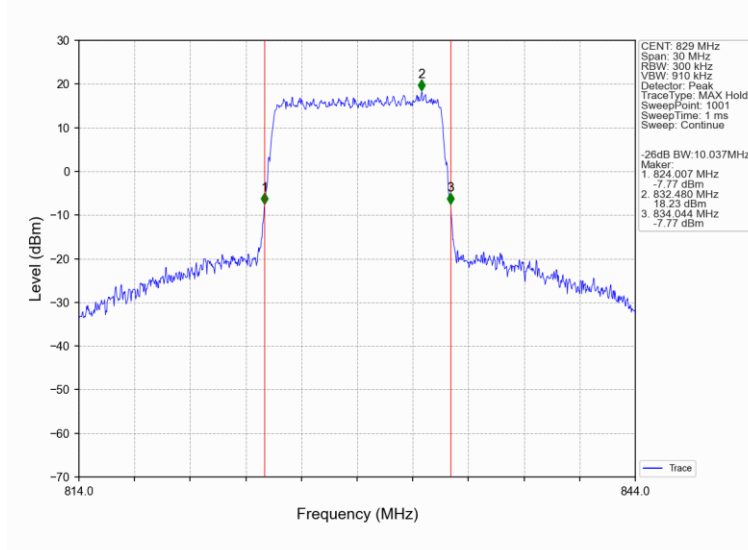
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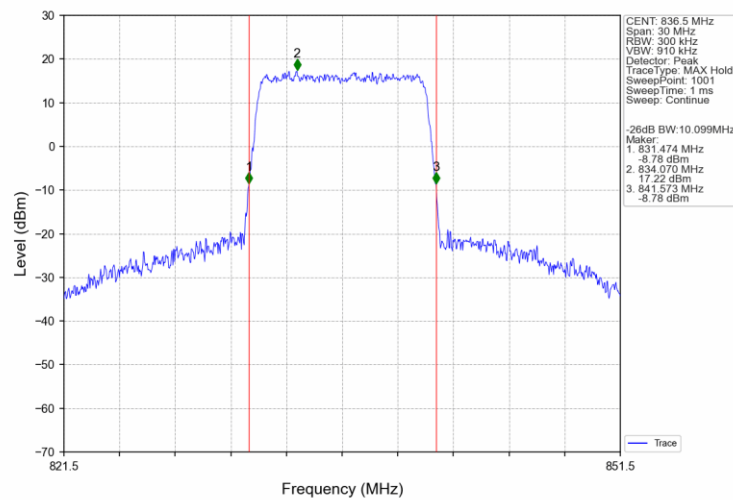
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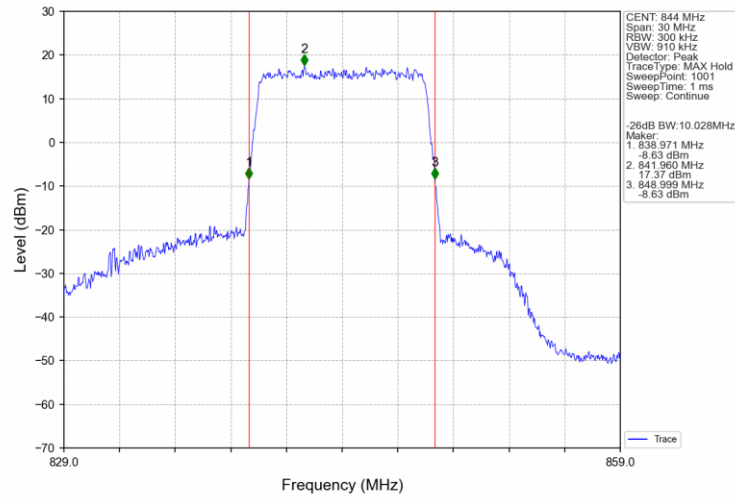
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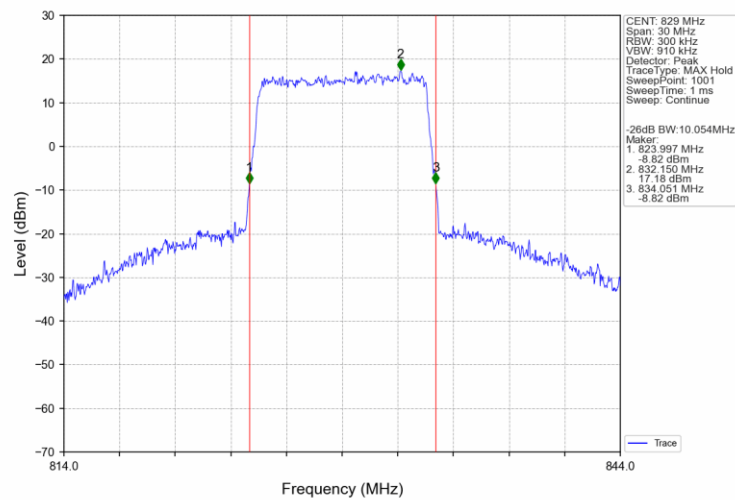
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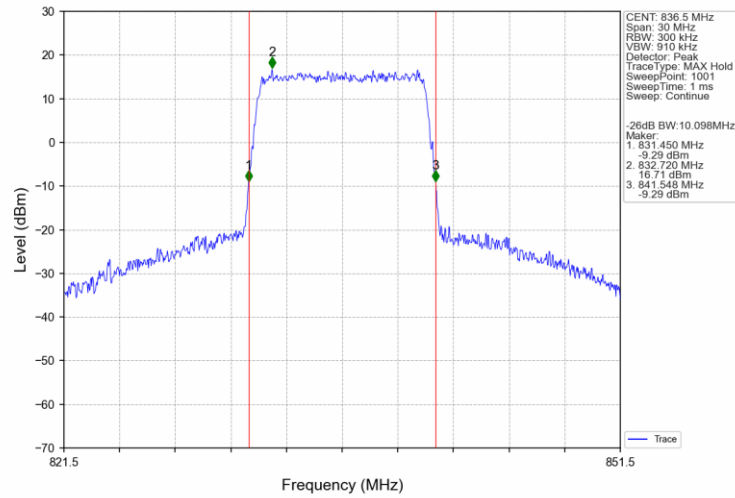
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNv



Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNv



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTN



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTN

