

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	24.36	-2.25	19.96	<=38.45	Pass
			2	24.55	-2.25	20.15	<=38.45	Pass
			5	24.34	-2.25	19.94	<=38.45	Pass
		3	0	24.40	-2.25	20.00	<=38.45	Pass
			2	24.47	-2.25	20.07	<=38.45	Pass
			3	24.44	-2.25	20.04	<=38.45	Pass
		6	0	23.41	-2.25	19.01	<=38.45	Pass
	836.5	1	0	24.30	-2.25	19.90	<=38.45	Pass
			2	24.47	-2.25	20.07	<=38.45	Pass
			5	24.27	-2.25	19.87	<=38.45	Pass
		3	0	24.35	-2.25	19.95	<=38.45	Pass
			2	24.37	-2.25	19.97	<=38.45	Pass
			3	24.33	-2.25	19.93	<=38.45	Pass
		6	0	23.40	-2.25	19.00	<=38.45	Pass
	848.3	1	0	24.22	-2.25	19.82	<=38.45	Pass
			2	24.44	-2.25	20.04	<=38.45	Pass
			5	24.26	-2.25	19.86	<=38.45	Pass
		3	0	24.33	-2.25	19.93	<=38.45	Pass
			2	24.35	-2.25	19.95	<=38.45	Pass
			3	24.30	-2.25	19.90	<=38.45	Pass
		6	0	23.40	-2.25	19.00	<=38.45	Pass
16QAM	824.7	1	0	23.36	-2.25	18.96	<=38.45	Pass
			2	23.53	-2.25	19.13	<=38.45	Pass
			5	23.39	-2.25	18.99	<=38.45	Pass
		3	0	23.41	-2.25	19.01	<=38.45	Pass
			2	23.41	-2.25	19.01	<=38.45	Pass
			3	23.40	-2.25	19.00	<=38.45	Pass
		6	0	22.46	-2.25	18.06	<=38.45	Pass
	836.5	1	0	23.60	-2.25	19.20	<=38.45	Pass
			2	23.76	-2.25	19.36	<=38.45	Pass
			5	23.58	-2.25	19.18	<=38.45	Pass
		3	0	23.55	-2.25	19.15	<=38.45	Pass
			2	23.53	-2.25	19.13	<=38.45	Pass
			3	23.48	-2.25	19.08	<=38.45	Pass
		6	0	22.40	-2.25	18.00	<=38.45	Pass
	848.3	1	0	23.39	-2.25	18.99	<=38.45	Pass
			2	23.59	-2.25	19.19	<=38.45	Pass
			5	23.37	-2.25	18.97	<=38.45	Pass
		3	0	23.41	-2.25	19.01	<=38.45	Pass
			2	23.44	-2.25	19.04	<=38.45	Pass
			3	23.37	-2.25	18.97	<=38.45	Pass
		6	0	22.31	-2.25	17.91	<=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	24.36	-2.25	19.96	<=38.45	Pass
			7	24.42	-2.25	20.02	<=38.45	Pass
			14	24.41	-2.25	20.01	<=38.45	Pass
		8	0	23.36	-2.25	18.96	<=38.45	Pass
			4	23.44	-2.25	19.04	<=38.45	Pass
			7	23.37	-2.25	18.97	<=38.45	Pass
		15	0	23.33	-2.25	18.93	<=38.45	Pass
	836.5	1	0	24.35	-2.25	19.95	<=38.45	Pass
			7	24.36	-2.25	19.96	<=38.45	Pass
			14	24.40	-2.25	20.00	<=38.45	Pass
		8	0	23.39	-2.25	18.99	<=38.45	Pass
			4	23.44	-2.25	19.04	<=38.45	Pass
			7	23.43	-2.25	19.03	<=38.45	Pass
		15	0	23.36	-2.25	18.96	<=38.45	Pass
	847.5	1	0	24.27	-2.25	19.87	<=38.45	Pass
			7	24.21	-2.25	19.81	<=38.45	Pass
			14	24.29	-2.25	19.89	<=38.45	Pass
		8	0	23.36	-2.25	18.96	<=38.45	Pass
			4	23.41	-2.25	19.01	<=38.45	Pass
			7	23.35	-2.25	18.95	<=38.45	Pass
		15	0	23.30	-2.25	18.90	<=38.45	Pass
16QAM	825.5	1	0	23.55	-2.25	19.15	<=38.45	Pass
			7	23.54	-2.25	19.14	<=38.45	Pass
			14	23.53	-2.25	19.13	<=38.45	Pass
		8	0	22.39	-2.25	17.99	<=38.45	Pass
			4	22.42	-2.25	18.02	<=38.45	Pass
			7	22.40	-2.25	18.00	<=38.45	Pass
		15	0	22.35	-2.25	17.95	<=38.45	Pass
	836.5	1	0	23.47	-2.25	19.07	<=38.45	Pass
			7	23.48	-2.25	19.08	<=38.45	Pass
			14	23.40	-2.25	19.00	<=38.45	Pass
		8	0	22.55	-2.25	18.15	<=38.45	Pass
			4	22.61	-2.25	18.21	<=38.45	Pass
			7	22.55	-2.25	18.15	<=38.45	Pass
		15	0	22.41	-2.25	18.01	<=38.45	Pass
	847.5	1	0	23.45	-2.25	19.05	<=38.45	Pass
			7	23.49	-2.25	19.09	<=38.45	Pass
			14	23.45	-2.25	19.05	<=38.45	Pass
		8	0	22.51	-2.25	18.11	<=38.45	Pass
			4	22.57	-2.25	18.17	<=38.45	Pass
			7	22.52	-2.25	18.12	<=38.45	Pass
		15	0	22.36	-2.25	17.96	<=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	24.24	-2.25	19.84	<=38.45	Pass
			13	24.39	-2.25	19.99	<=38.45	Pass
			24	24.26	-2.25	19.86	<=38.45	Pass
		12	0	23.34	-2.25	18.94	<=38.45	Pass
			6	23.38	-2.25	18.98	<=38.45	Pass
			13	23.34	-2.25	18.94	<=38.45	Pass
		25	0	23.35	-2.25	18.95	<=38.45	Pass
	836.5	1	0	24.24	-2.25	19.84	<=38.45	Pass
			13	24.34	-2.25	19.94	<=38.45	Pass
			24	24.24	-2.25	19.84	<=38.45	Pass
		12	0	23.29	-2.25	18.89	<=38.45	Pass
			6	23.38	-2.25	18.98	<=38.45	Pass
			13	23.36	-2.25	18.96	<=38.45	Pass
		25	0	23.34	-2.25	18.94	<=38.45	Pass
	846.5	1	0	24.24	-2.25	19.84	<=38.45	Pass
			13	24.31	-2.25	19.91	<=38.45	Pass
			24	24.22	-2.25	19.82	<=38.45	Pass
		12	0	23.30	-2.25	18.90	<=38.45	Pass
			6	23.34	-2.25	18.94	<=38.45	Pass
			13	23.31	-2.25	18.91	<=38.45	Pass
		25	0	23.33	-2.25	18.93	<=38.45	Pass
16QAM	826.5	1	0	23.45	-2.25	19.05	<=38.45	Pass
			13	23.59	-2.25	19.19	<=38.45	Pass
			24	23.51	-2.25	19.11	<=38.45	Pass
		12	0	22.39	-2.25	17.99	<=38.45	Pass
			6	22.42	-2.25	18.02	<=38.45	Pass
			13	22.39	-2.25	17.99	<=38.45	Pass
		25	0	22.39	-2.25	17.99	<=38.45	Pass
	836.5	1	0	23.56	-2.25	19.16	<=38.45	Pass
			13	23.61	-2.25	19.21	<=38.45	Pass
			24	23.52	-2.25	19.12	<=38.45	Pass
		12	0	22.26	-2.25	17.86	<=38.45	Pass
			6	22.34	-2.25	17.94	<=38.45	Pass
			13	22.27	-2.25	17.87	<=38.45	Pass
		25	0	22.37	-2.25	17.97	<=38.45	Pass
	846.5	1	0	23.46	-2.25	19.06	<=38.45	Pass
			13	23.54	-2.25	19.14	<=38.45	Pass
			24	23.43	-2.25	19.03	<=38.45	Pass
		12	0	22.32	-2.25	17.92	<=38.45	Pass
			6	22.33	-2.25	17.93	<=38.45	Pass
			13	22.33	-2.25	17.93	<=38.45	Pass
		25	0	22.31	-2.25	17.91	<=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	24.37	-2.25	19.97	<=38.45	Pass
			25	24.53	-2.25	20.13	<=38.45	Pass
			49	24.35	-2.25	19.95	<=38.45	Pass
		25	0	23.41	-2.25	19.01	<=38.45	Pass
			13	23.38	-2.25	18.98	<=38.45	Pass
			25	23.40	-2.25	19.00	<=38.45	Pass
		50	0	23.43	-2.25	19.03	<=38.45	Pass
	836.5	1	0	24.29	-2.25	19.89	<=38.45	Pass
			25	24.41	-2.25	20.01	<=38.45	Pass
			49	24.30	-2.25	19.90	<=38.45	Pass
		25	0	23.34	-2.25	18.94	<=38.45	Pass
			13	23.42	-2.25	19.02	<=38.45	Pass
			25	23.40	-2.25	19.00	<=38.45	Pass
		50	0	23.37	-2.25	18.97	<=38.45	Pass
	844	1	0	24.27	-2.25	19.87	<=38.45	Pass
			25	24.38	-2.25	19.98	<=38.45	Pass
			49	24.29	-2.25	19.89	<=38.45	Pass
		25	0	23.43	-2.25	19.03	<=38.45	Pass
			13	23.38	-2.25	18.98	<=38.45	Pass
			25	23.32	-2.25	18.92	<=38.45	Pass
		50	0	23.43	-2.25	19.03	<=38.45	Pass
16QAM	829	1	0	23.38	-2.25	18.98	<=38.45	Pass
			25	23.57	-2.25	19.17	<=38.45	Pass
			49	23.47	-2.25	19.07	<=38.45	Pass
		25	0	22.49	-2.25	18.09	<=38.45	Pass
			13	22.48	-2.25	18.08	<=38.45	Pass
			25	22.47	-2.25	18.07	<=38.45	Pass
		50	0	22.47	-2.25	18.07	<=38.45	Pass
	836.5	1	0	23.57	-2.25	19.17	<=38.45	Pass
			25	23.65	-2.25	19.25	<=38.45	Pass
			49	23.50	-2.25	19.10	<=38.45	Pass
		25	0	22.40	-2.25	18.00	<=38.45	Pass
			13	22.47	-2.25	18.07	<=38.45	Pass
			25	22.42	-2.25	18.02	<=38.45	Pass
		50	0	22.39	-2.25	17.99	<=38.45	Pass
	844	1	0	23.46	-2.25	19.06	<=38.45	Pass
			25	23.65	-2.25	19.25	<=38.45	Pass
			49	23.46	-2.25	19.06	<=38.45	Pass
		25	0	22.43	-2.25	18.03	<=38.45	Pass
			13	22.39	-2.25	17.99	<=38.45	Pass
			25	22.34	-2.25	17.94	<=38.45	Pass
		50	0	22.38	-2.25	17.98	<=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	-4.134	-0.0050	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0103	-2.5 to 2.5	Pass
					4.43	-2.103	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-10.400	-0.0126	-2.5 to 2.5	Pass
				-10	3.85	-8.326	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-5.937	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-6.137	-0.0074	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.346	-0.0028	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0075	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-6.866	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-7.696	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-8.283	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-8.197	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-6.952	-0.0083	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-4.935	-0.0058	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0070	-2.5 to 2.5	Pass
					4.43	-8.397	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-5.665	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-6.437	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.422	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0073	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-5.836	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.466	-0.0078	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-7.410	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-8.283	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-6.967	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-5.279	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0054	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-5.536	-0.0066	-2.5 to 2.5	Pass
					3.85	-9.112	-0.0109	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.011	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-8.082	-0.0097	-2.5 to 2.5	Pass

				-10	3.85	-7.195	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-5.364	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-7.138	-0.0085	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-6.394	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0091	-2.5 to 2.5	Pass
					4.43	-8.183	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-9.913	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-8.082	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-8.297	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0055	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-7.739	-0.0094	-2.5 to 2.5	Pass
					3.85	-5.822	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-5.865	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-4.692	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-6.051	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-8.569	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-7.110	-0.0086	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.892	-0.0058	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-9.384	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-4.692	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-6.752	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-7.739	-0.0091	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0090	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-5.550	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-9.556	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-7.710	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.437	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-6.223	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0117	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-5.994	-0.0073	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0060	-2.5 to 2.5	Pass

					4.43	-5.779	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-6.609	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-5.608	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-6.766	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0079	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-6.123	-0.0073	-2.5 to 2.5	Pass
					3.85	-4.849	-0.0058	-2.5 to 2.5	Pass
					4.43	-7.496	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-6.123	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-10.843	-0.0130	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-5.107	-0.0060	-2.5 to 2.5	Pass
					3.85	-4.563	-0.0054	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.608	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-4.506	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-4.277	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-8.054	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-8.025	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-9.570	-0.0113	-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	-8.340	-0.0101	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-7.596	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-7.396	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-10.486	-0.0127	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.835	-0.0058	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-10.700	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass

	846.5	25	0	50	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-3.562	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.848	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-8.612	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-8.283	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-8.941	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0062	-2.5 to 2.5	Pass
16QAM	826.5	25	0	40	3.85	-5.851	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-8.340	-0.0099	-2.5 to 2.5	Pass
				20	3.27	-6.909	-0.0084	-2.5 to 2.5	Pass
					3.85	-8.569	-0.0104	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-9.813	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-9.255	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-3.548	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
	836.5	25	0	30	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				20	3.27	-6.409	-0.0077	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-10.743	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
	846.5	25	0	10	3.85	-6.180	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-6.495	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-7.524	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0075	-2.5 to 2.5	Pass
				20	3.27	-6.409	-0.0076	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0101	-2.5 to 2.5	Pass
					4.43	-8.469	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-7.052	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-10.471	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0085	-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	-9.384	-0.0113	-2.5 to 2.5	Pass
					3.85	-10.471	-0.0126	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0087	-2.5 to 2.5	Pass

				10	3.85	-9.327	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-8.197	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-8.769	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-9.627	-0.0116	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-5.722	-0.0068	-2.5 to 2.5	Pass
					3.85	-6.194	-0.0074	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-1.702	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0063	-2.5 to 2.5	Pass
				20	3.27	-9.985	-0.0118	-2.5 to 2.5	Pass
					3.85	-9.570	-0.0113	-2.5 to 2.5	Pass
					4.43	-10.228	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-4.649	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-4.992	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-9.198	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-7.253	-0.0086	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-4.005	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
					4.43	-7.796	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-6.351	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.629	-0.0008	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0067	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-8.039	-0.0095	-2.5 to 2.5	Pass
					3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
					4.43	-9.456	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-6.409	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-7.968	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-8.669	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-9.570	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-9.627	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-9.170	-0.0109	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.1.3 B5_5MHz

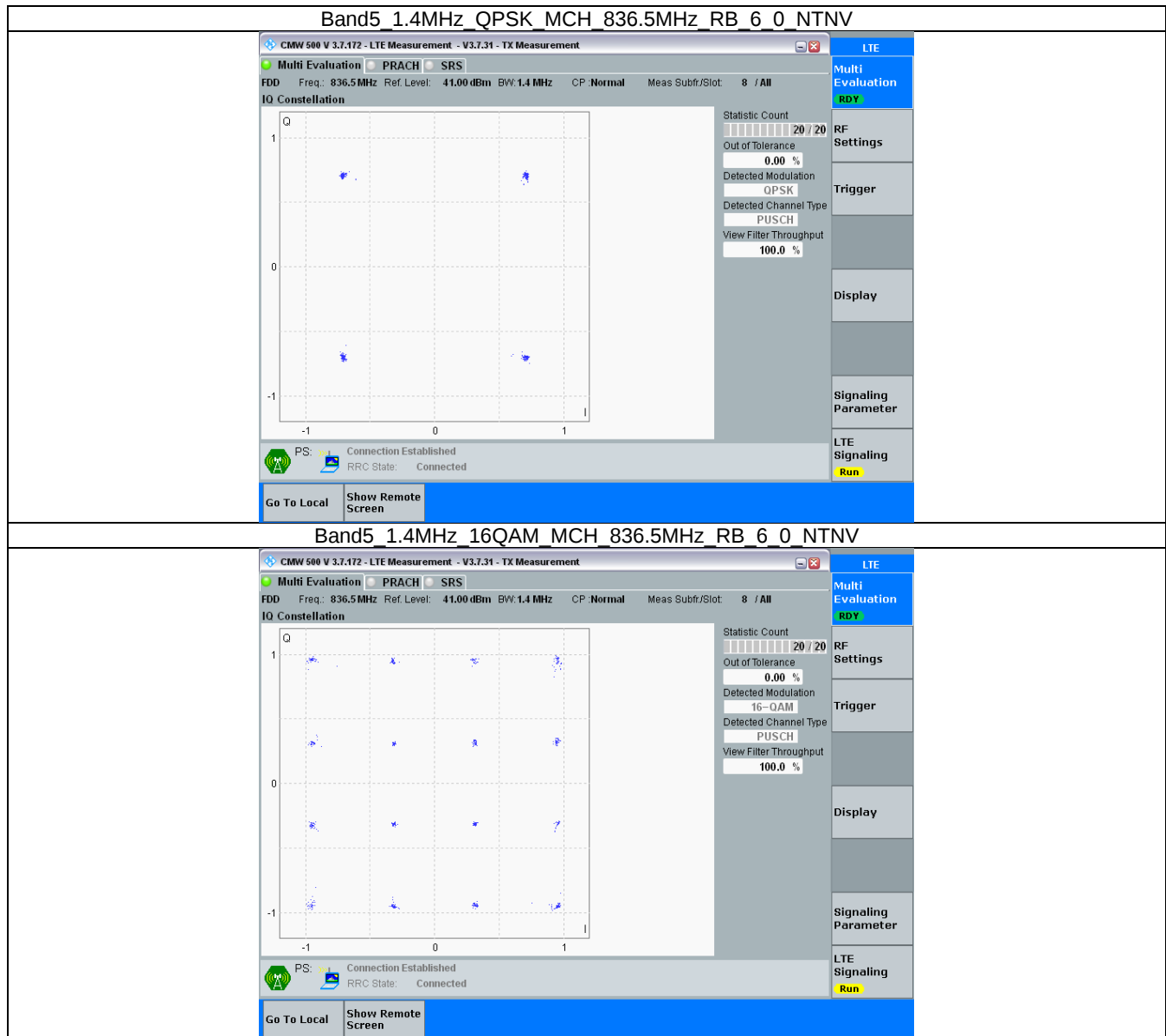
Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

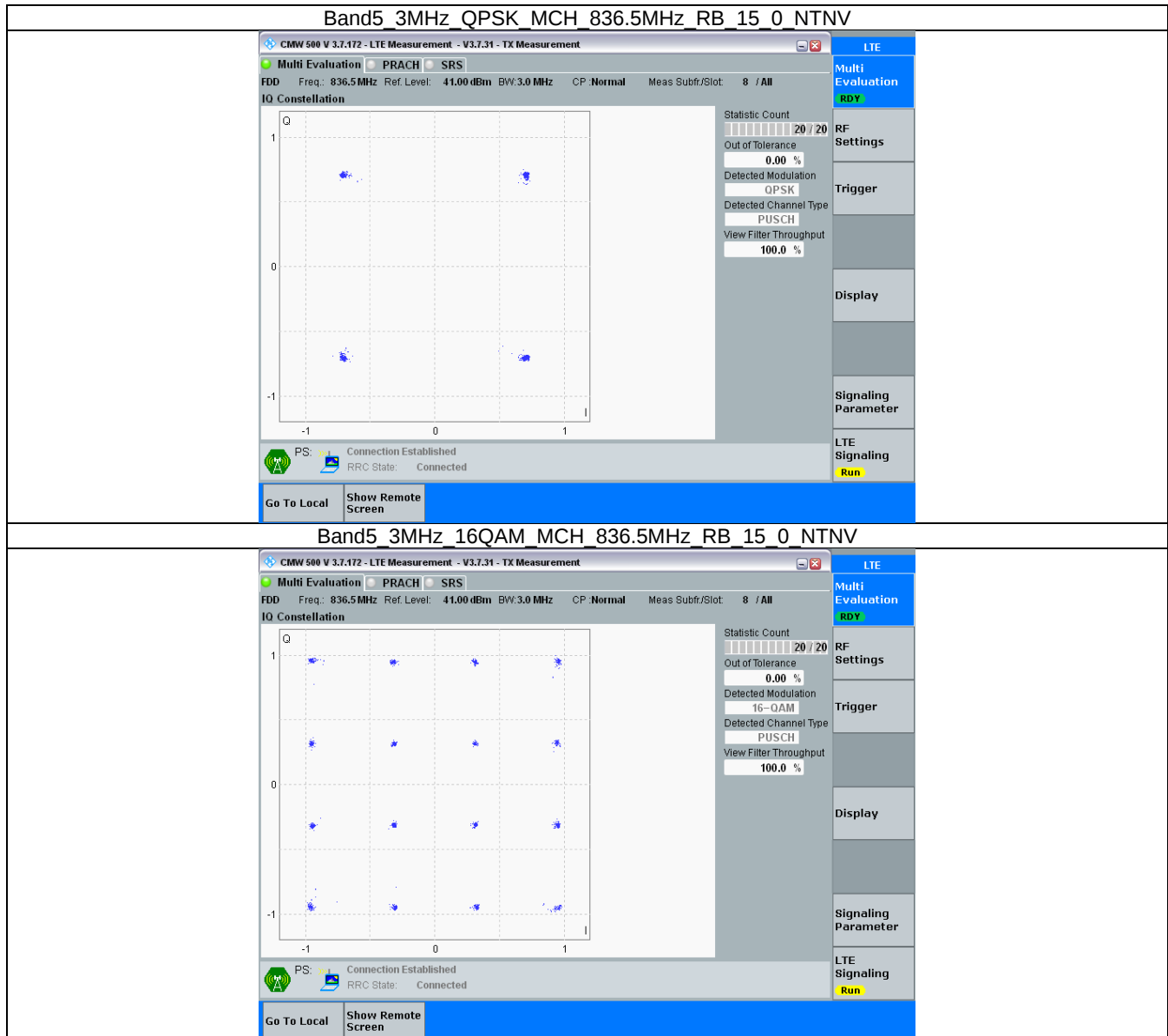
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

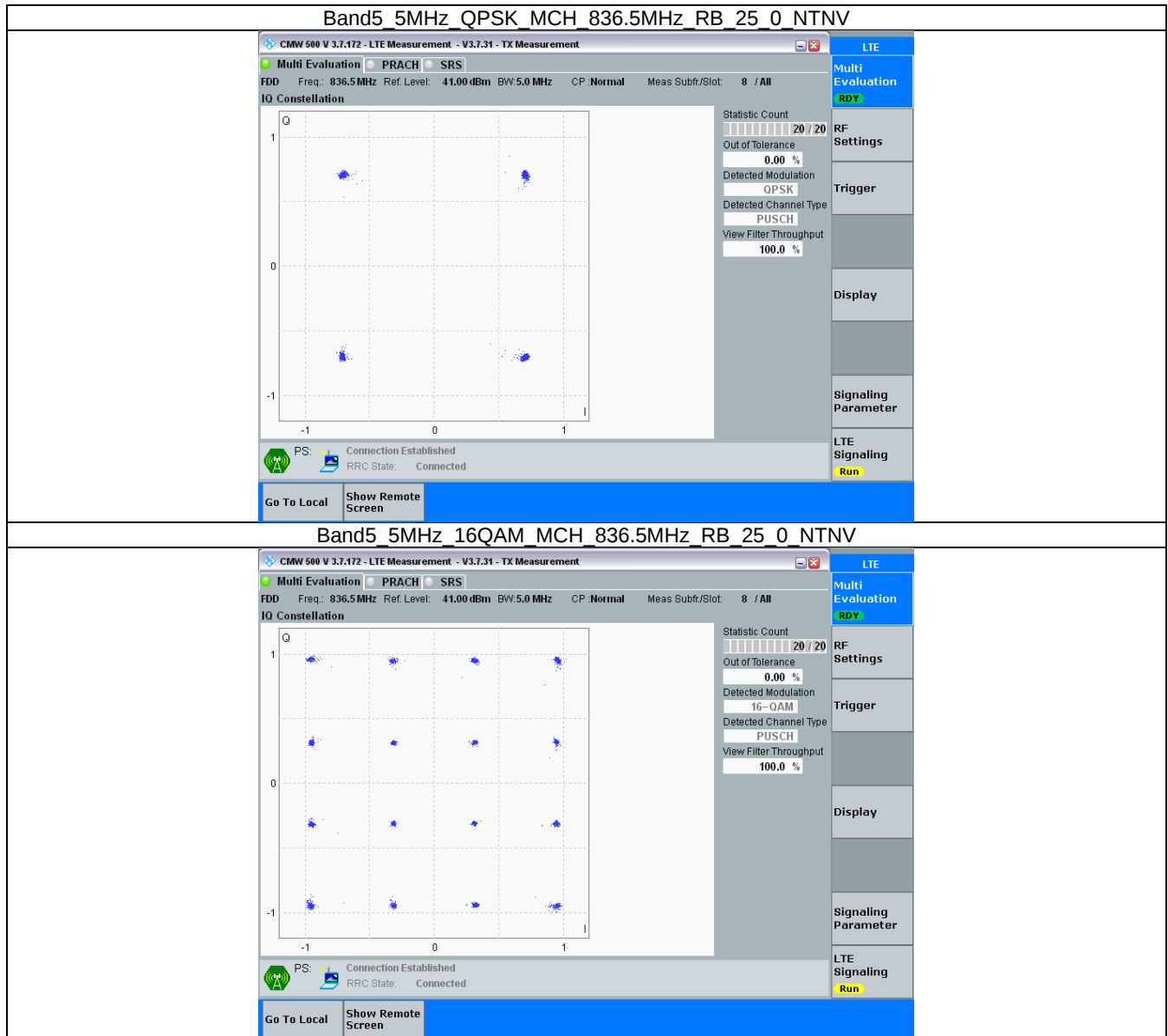
3.2.1 B5_1.4MHz



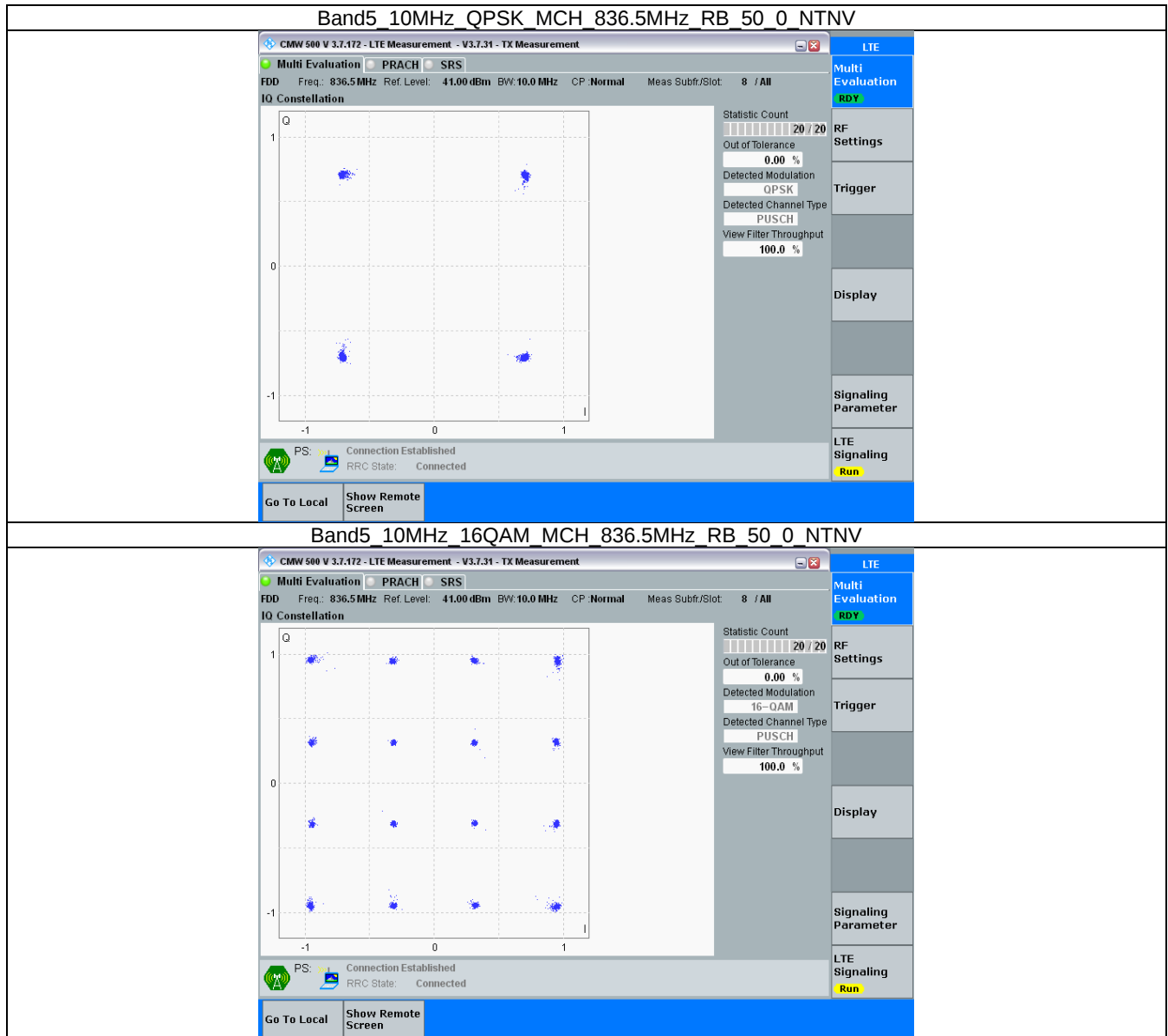
3.2.2 B5_3MHz



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	1.130	/	Pass
		836.5	6	0	1.103	/	Pass
		848.3	6	0	1.109	/	Pass
	16QAM	824.7	6	0	1.115	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.729	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.725	/	Pass
	16QAM	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.729	/	Pass
		847.5	15	0	2.732	/	Pass
5	QPSK	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.551	/	Pass
		846.5	25	0	4.544	/	Pass
	16QAM	826.5	25	0	4.528	/	Pass
		836.5	25	0	4.547	/	Pass
		846.5	25	0	4.557	/	Pass
10	QPSK	829	50	0	9.056	/	Pass
		836.5	50	0	9.060	/	Pass
		844	50	0	9.079	/	Pass
	16QAM	829	50	0	9.083	/	Pass
		836.5	50	0	9.052	/	Pass
		844	50	0	9.065	/	Pass

4.1.2 Band5_XDB

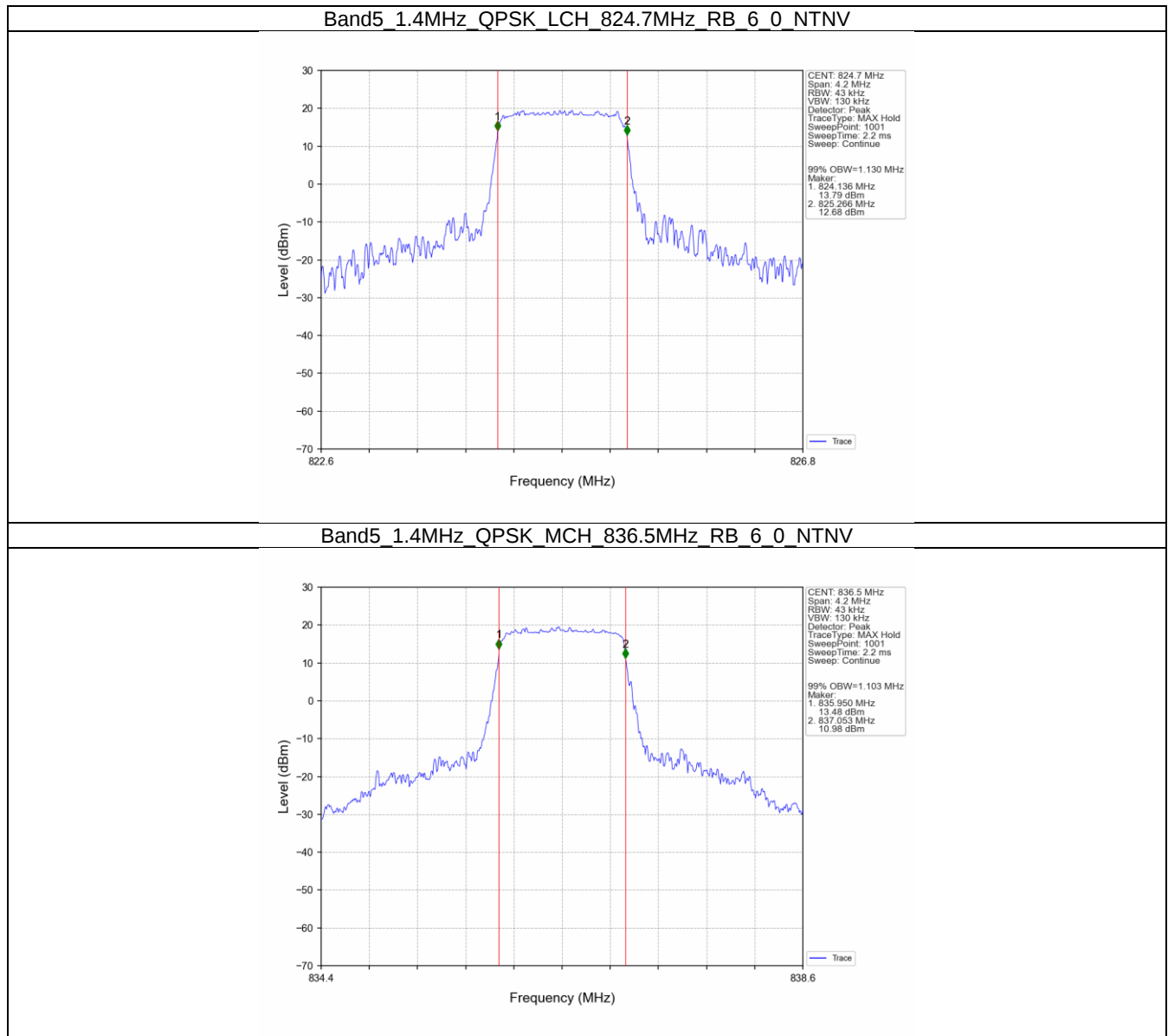
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.342	/	Pass
		836.5	6	0	1.324	/	Pass
		848.3	6	0	1.347	/	Pass
	16QAM	824.7	6	0	1.319	/	Pass
		836.5	6	0	1.303	/	Pass
		848.3	6	0	1.323	/	Pass
3	QPSK	825.5	15	0	2.999	/	Pass
		836.5	15	0	2.980	/	Pass
		847.5	15	0	2.974	/	Pass
	16QAM	825.5	15	0	2.993	/	Pass
		836.5	15	0	3.003	/	Pass
		847.5	15	0	3.014	/	Pass
5	QPSK	826.5	25	0	4.972	/	Pass
		836.5	25	0	5.046	/	Pass
		846.5	25	0	5.027	/	Pass
	16QAM	826.5	25	0	5.012	/	Pass
		836.5	25	0	5.028	/	Pass
		846.5	25	0	5.015	/	Pass
10	QPSK	829	50	0	10.036	/	Pass



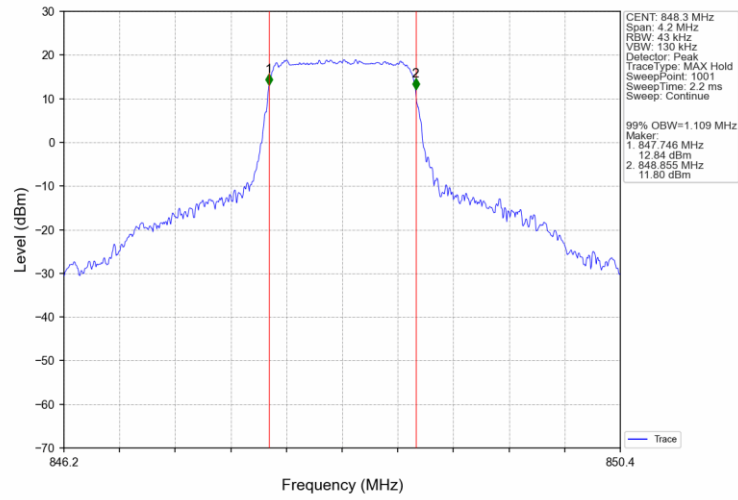
		836.5	50	0	9.918	/	Pass
		844	50	0	9.875	/	Pass
	16QAM	829	50	0	9.931	/	Pass
		836.5	50	0	9.963	/	Pass
		844	50	0	9.862	/	Pass

4.2 Test Graph

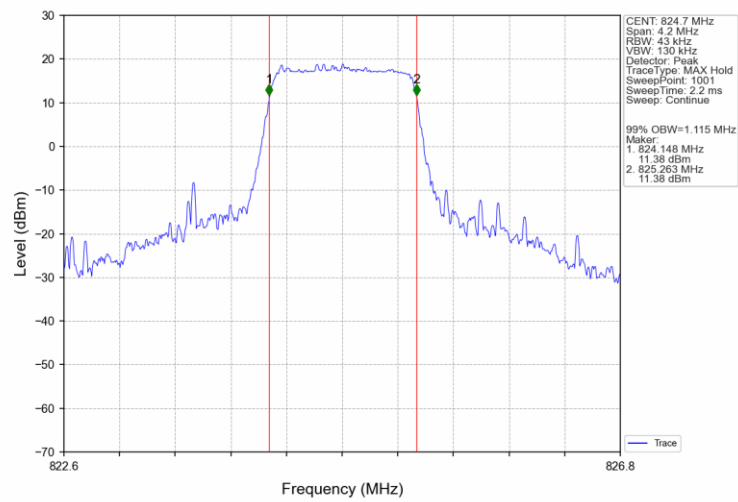
4.2.1 Band5_OBW



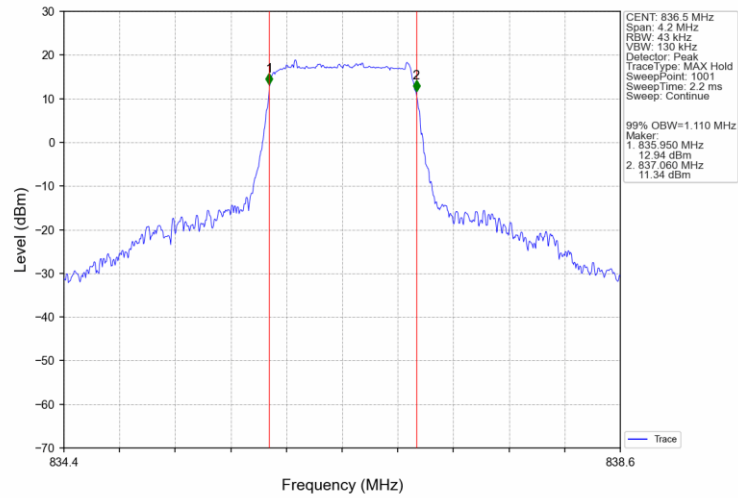
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



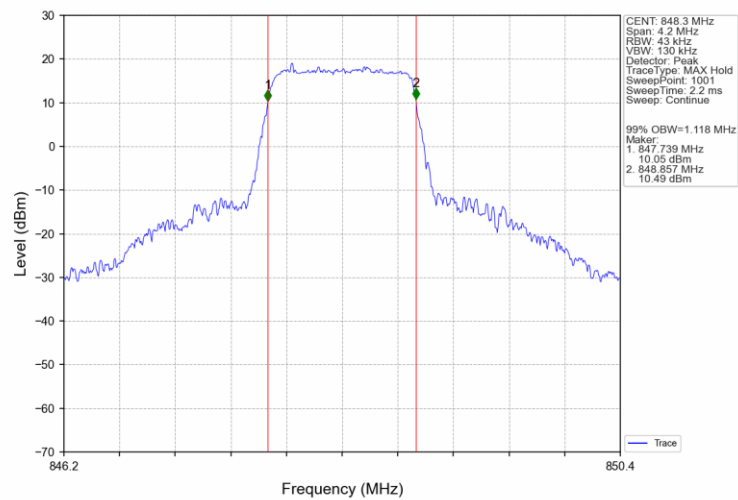
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



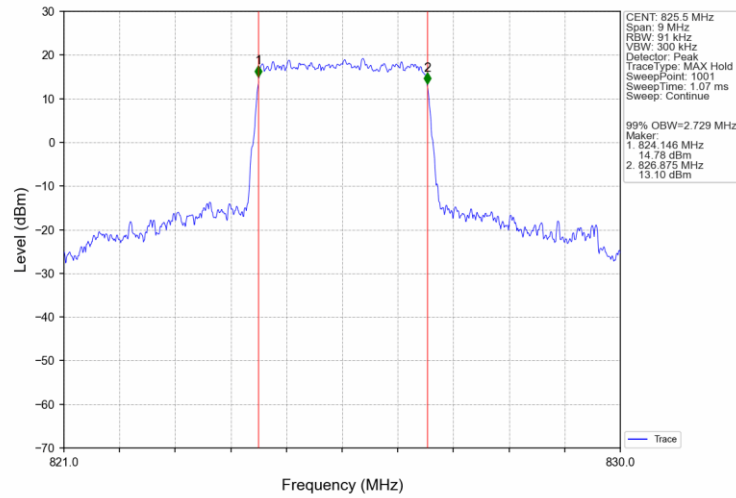
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



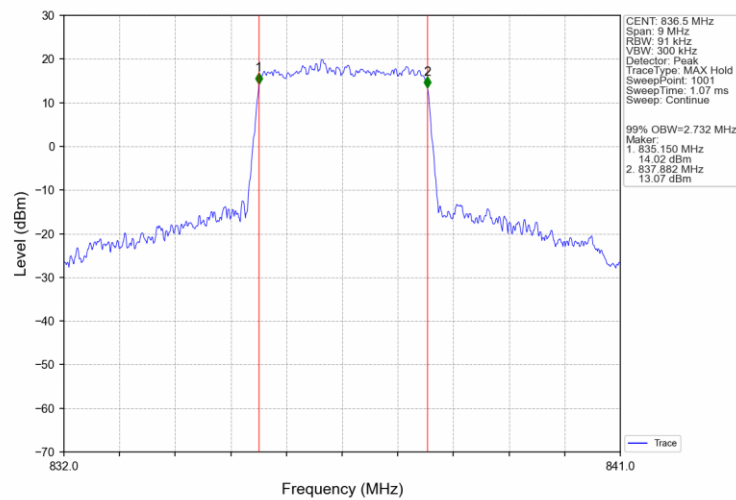
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



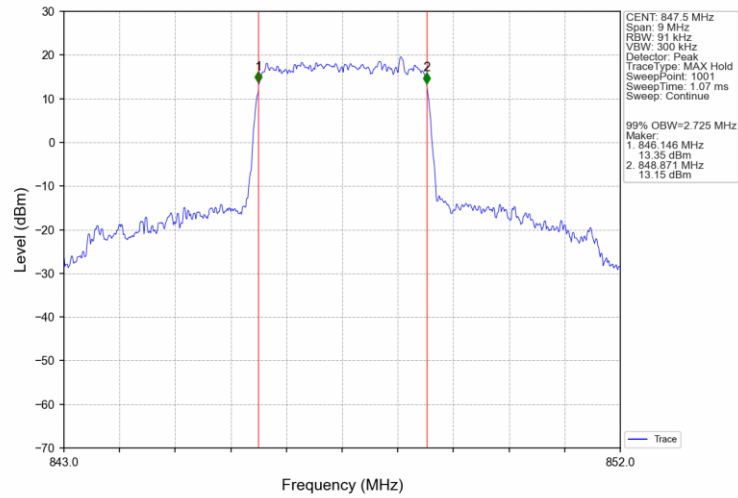
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



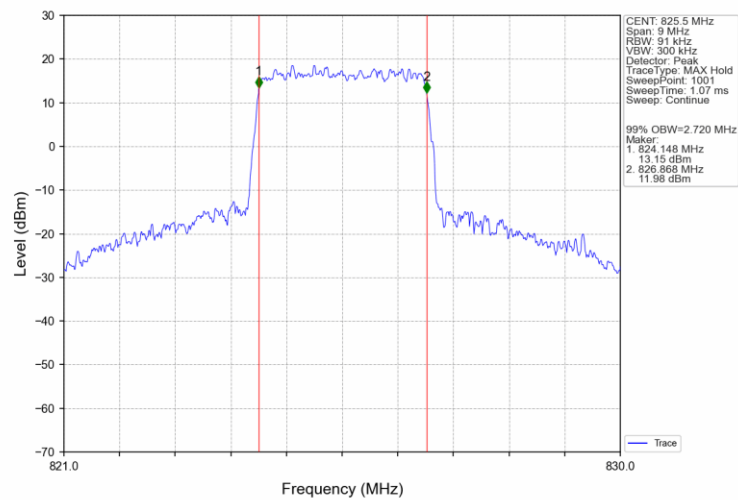
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



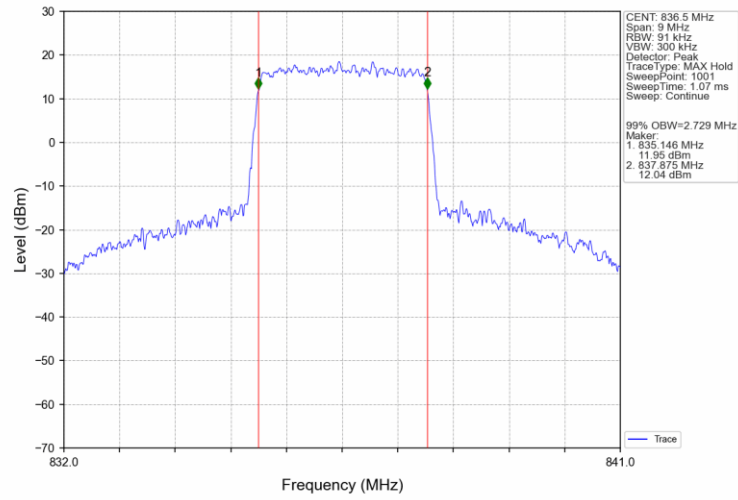
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV



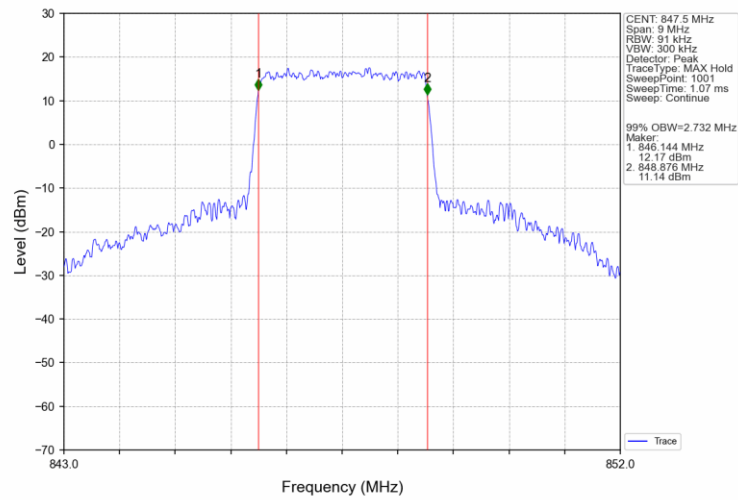
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



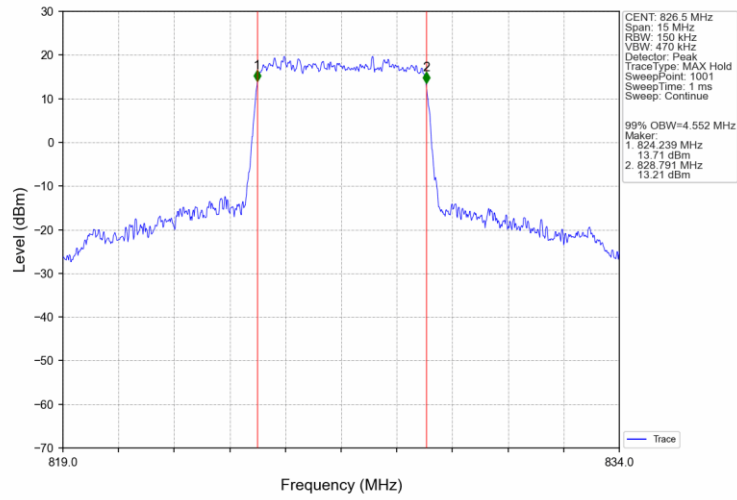
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



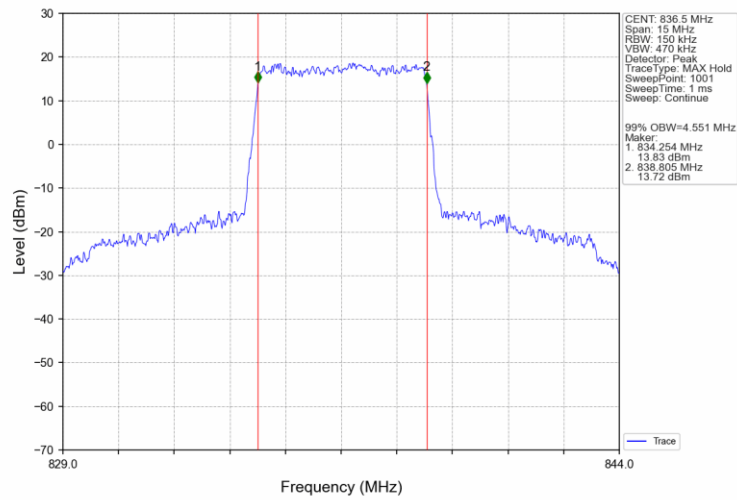
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



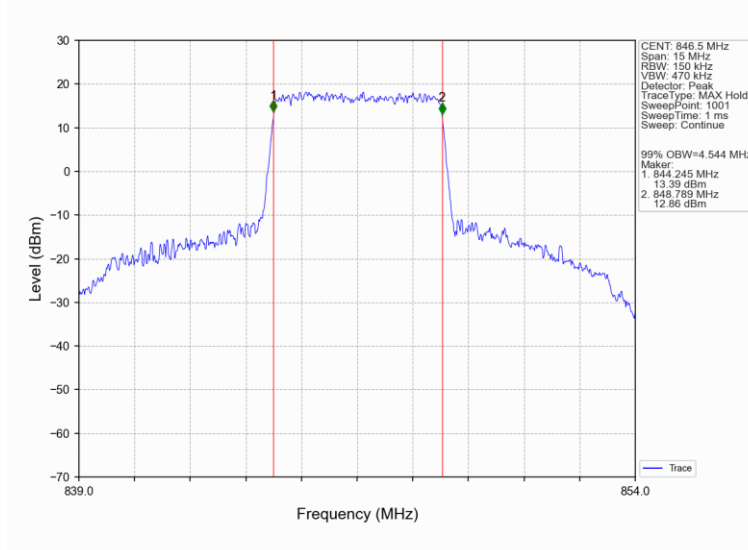
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



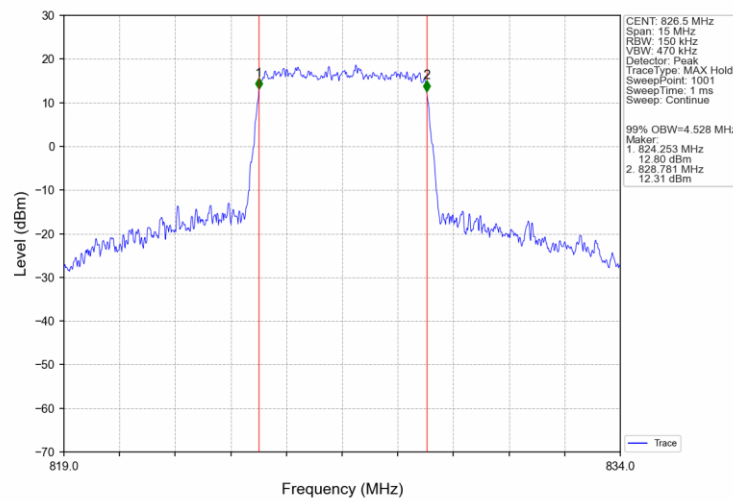
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



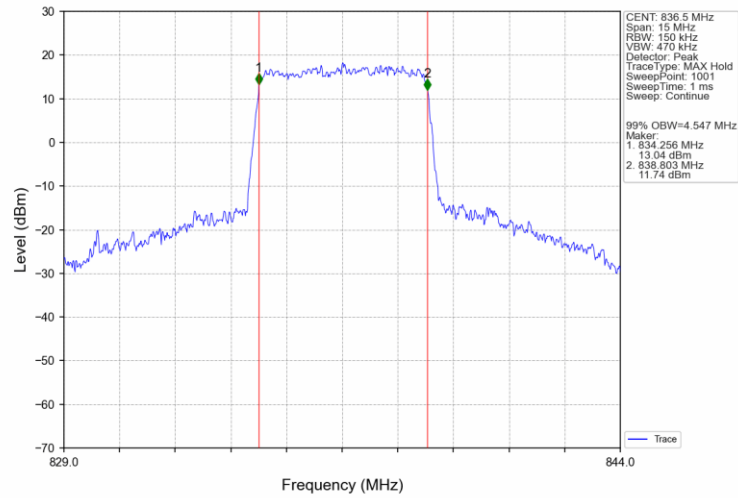
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



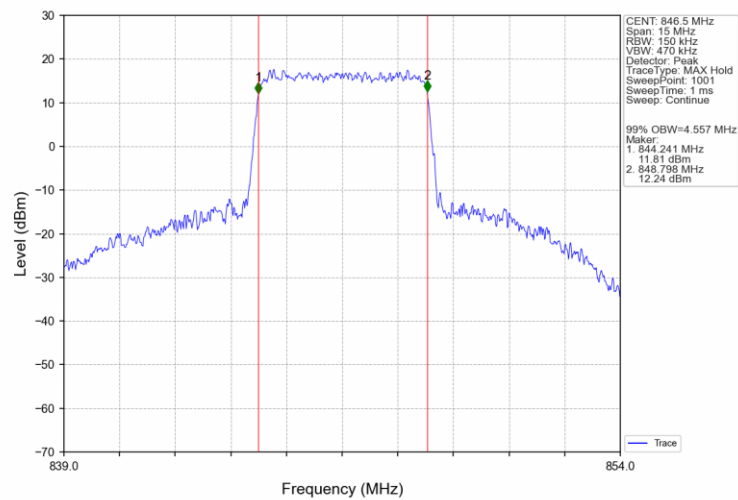
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



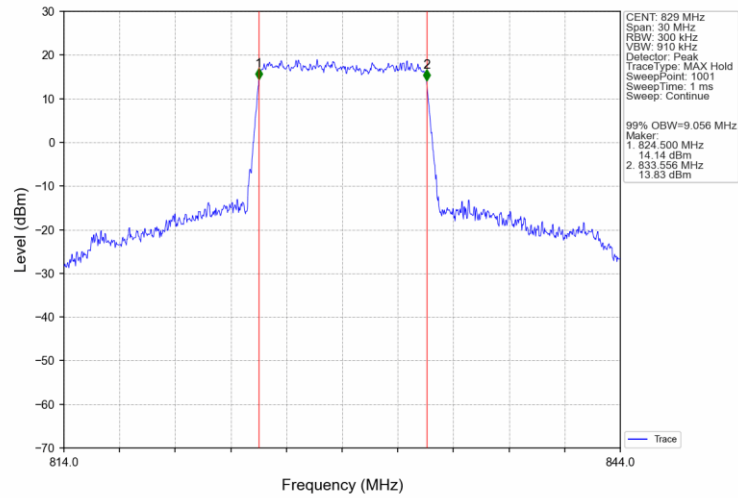
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



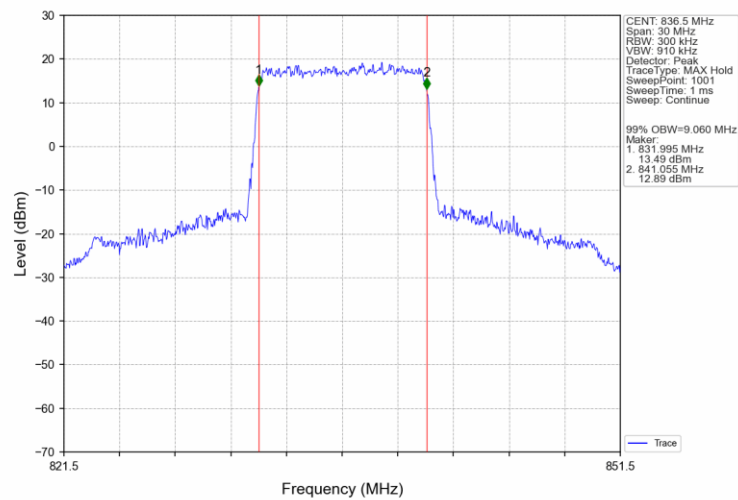
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



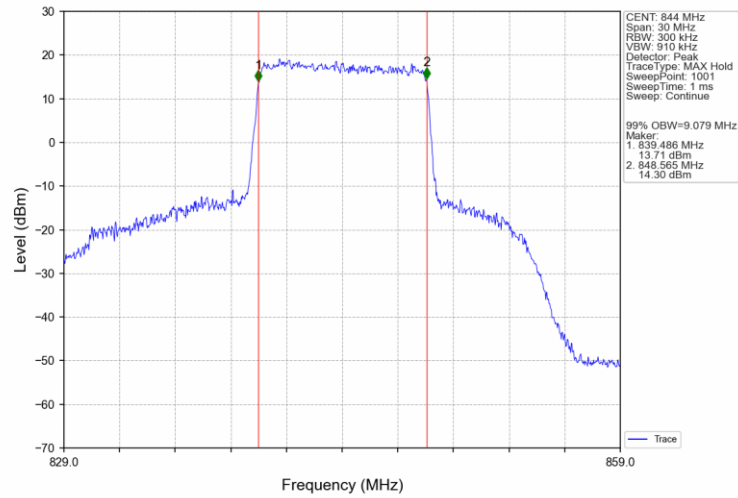
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



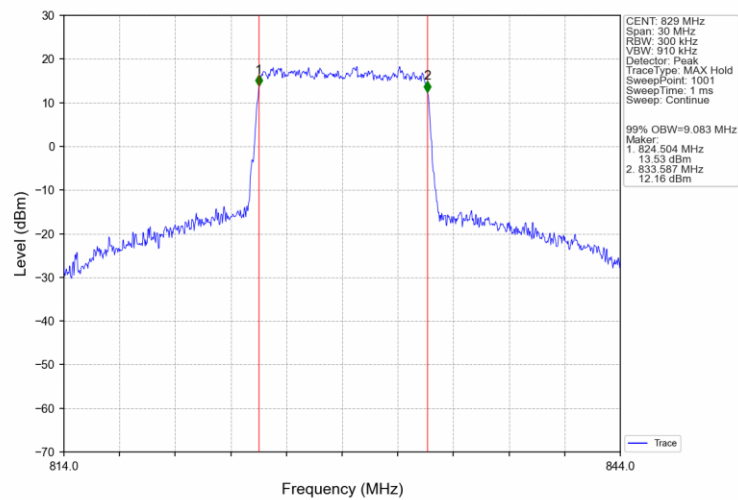
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



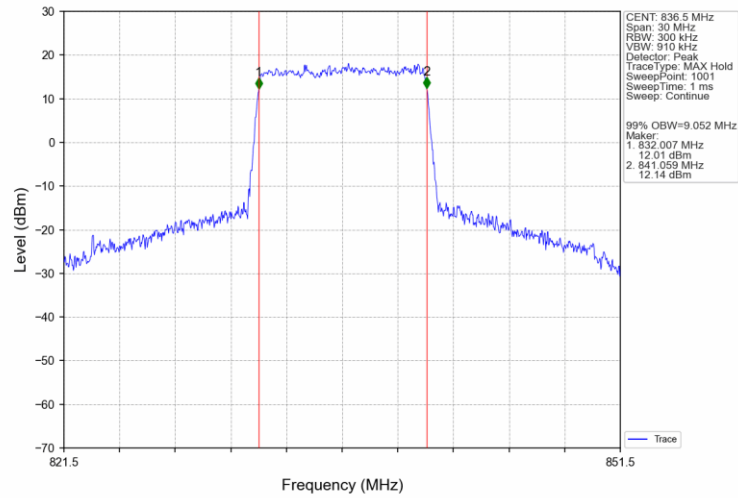
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



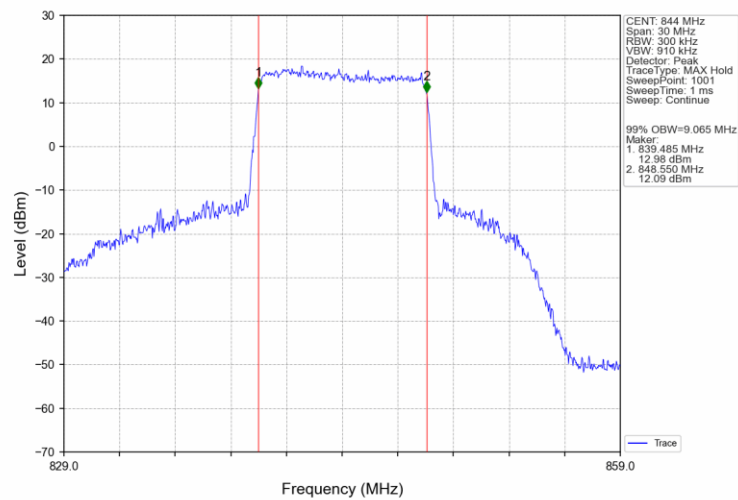
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

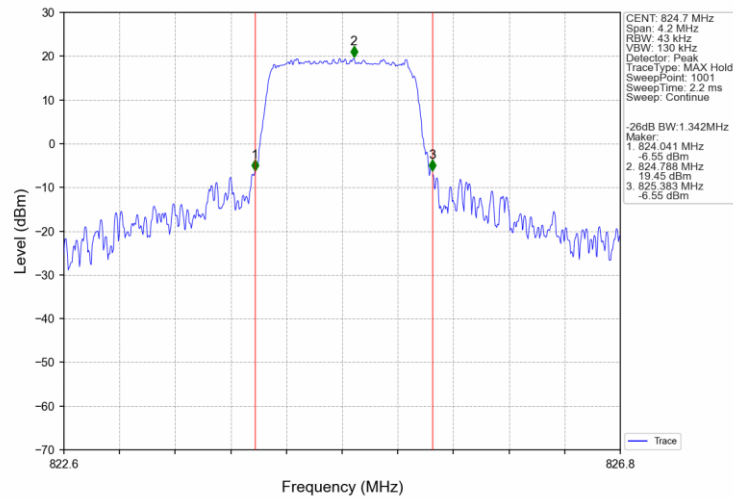


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

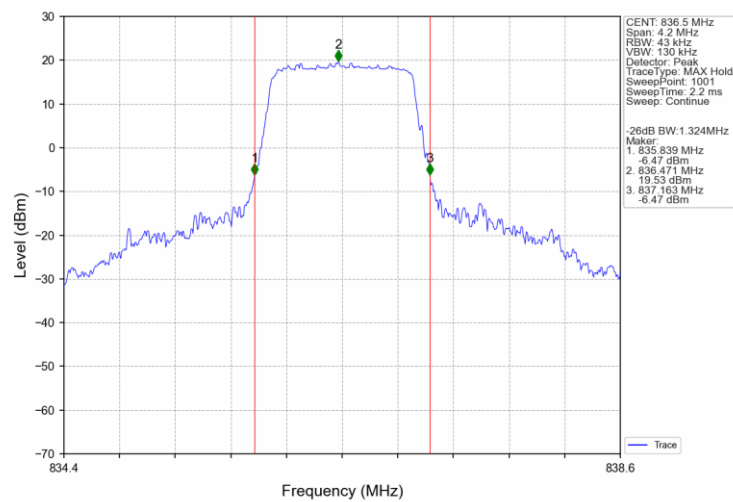


4.2.2 Band5_XDB

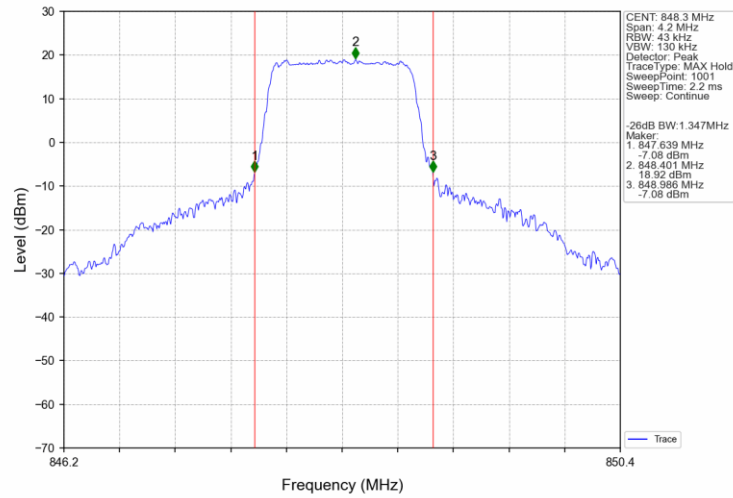
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



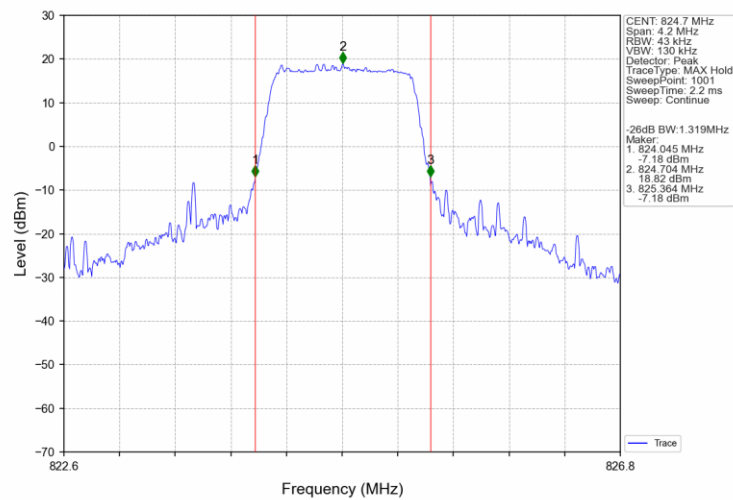
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



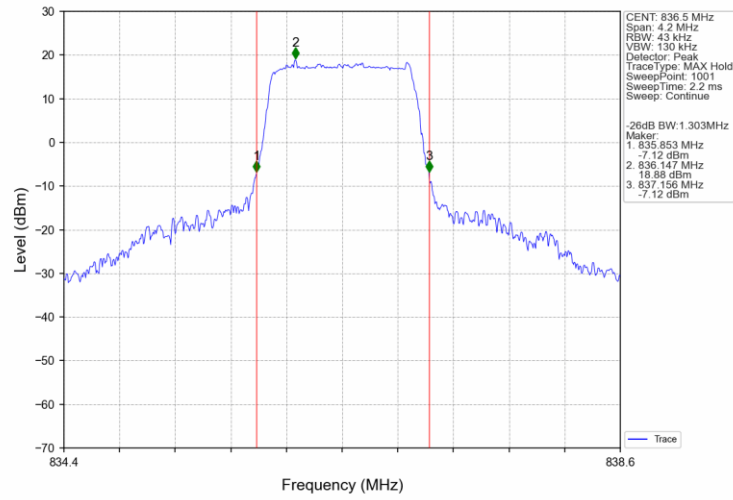
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



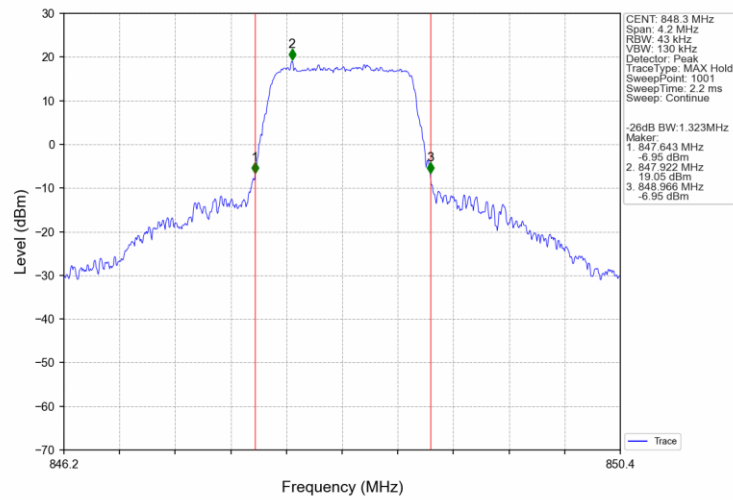
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



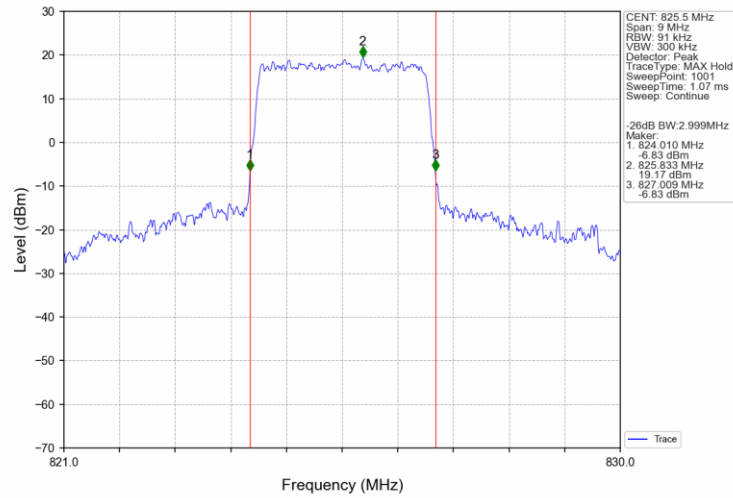
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



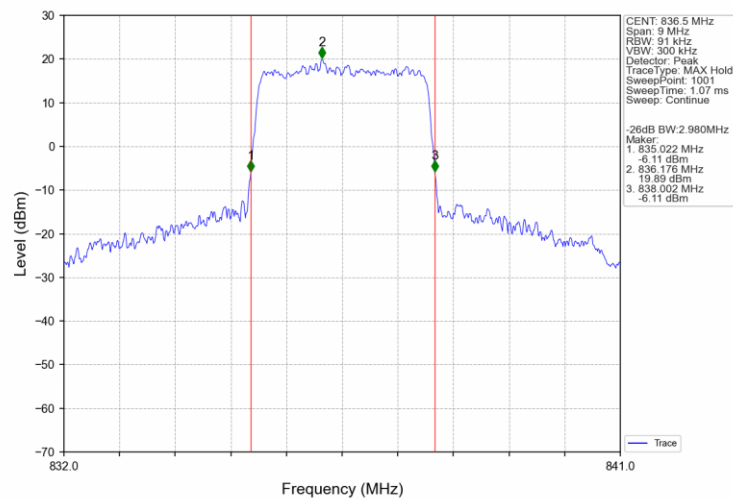
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



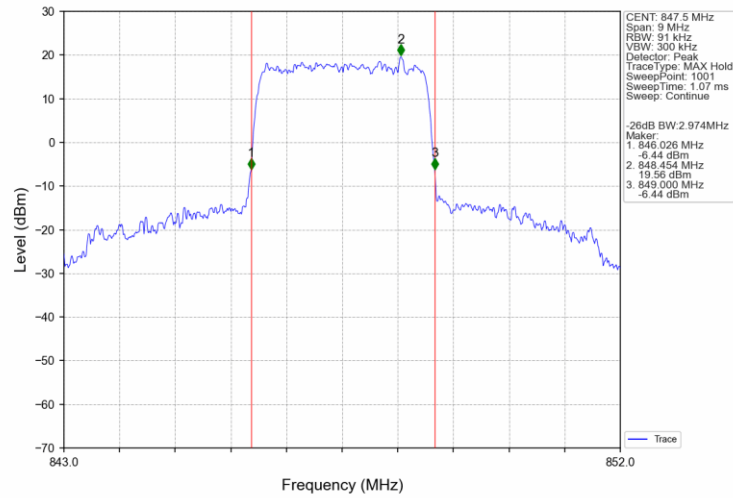
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



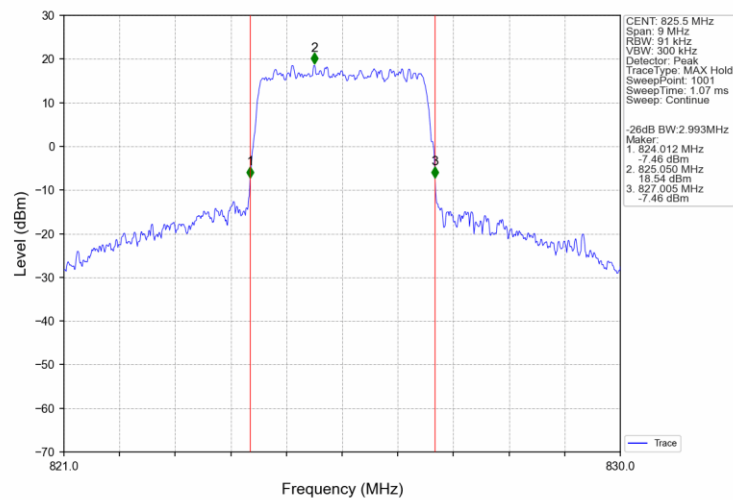
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



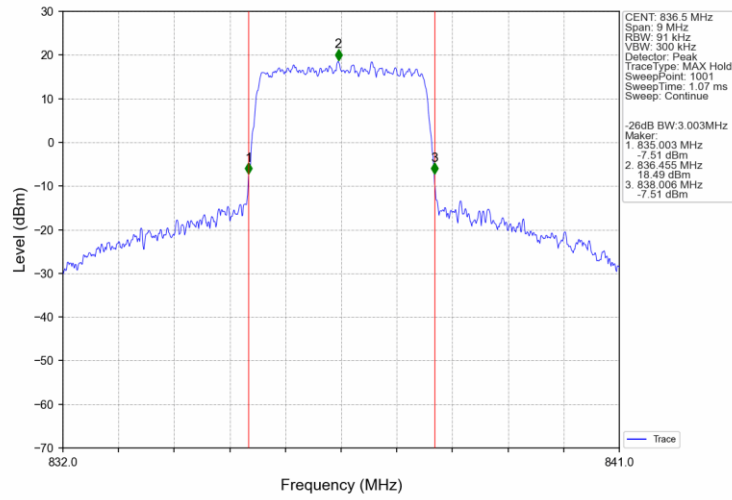
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV



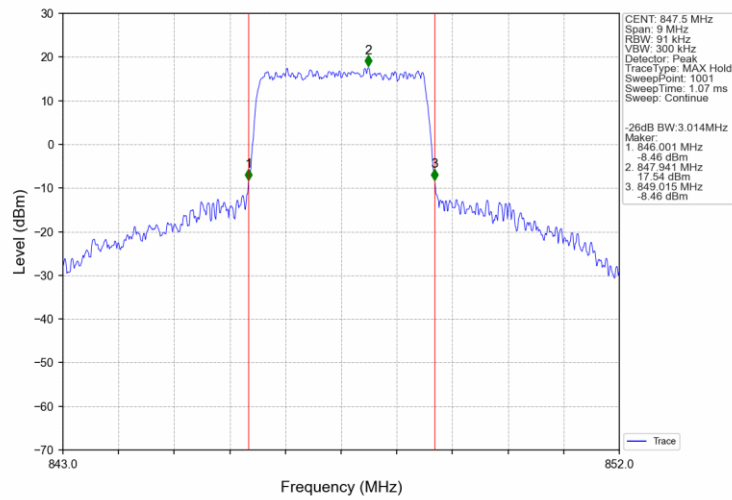
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



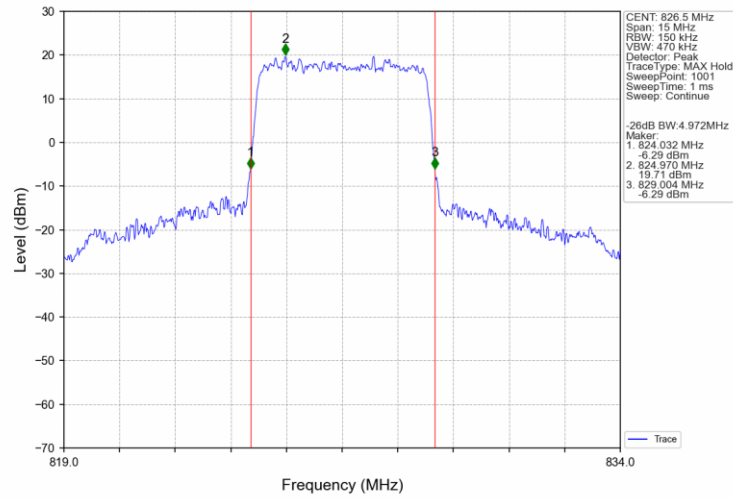
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



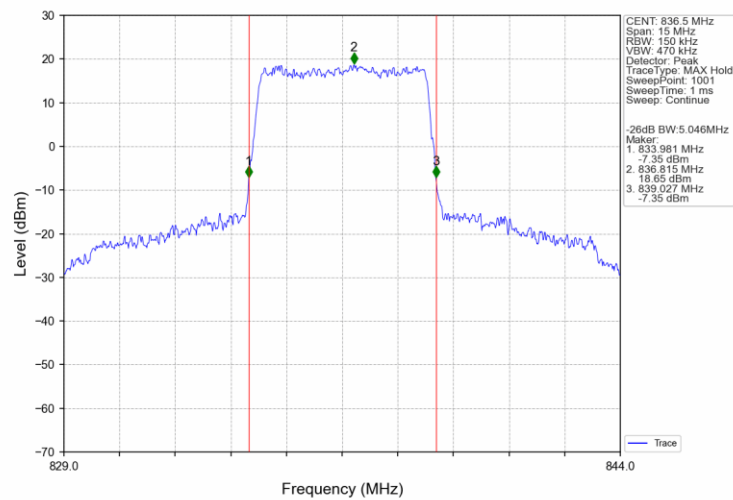
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



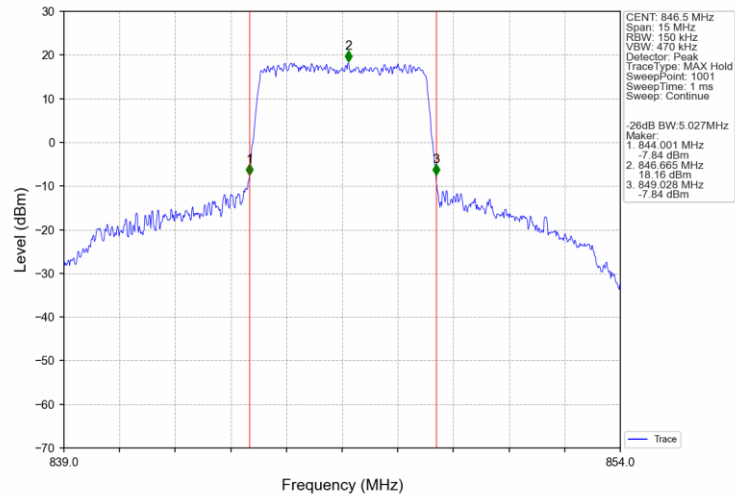
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



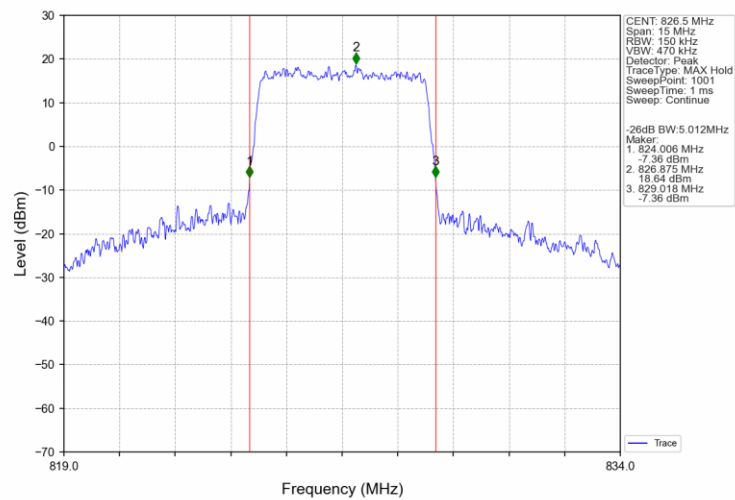
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



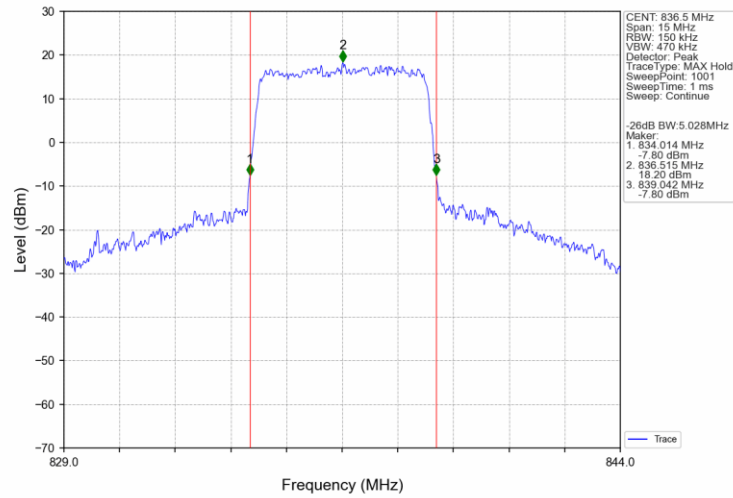
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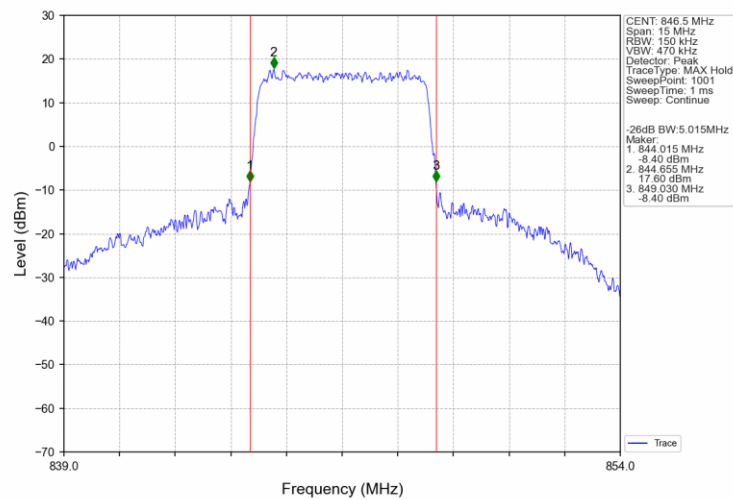
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTV



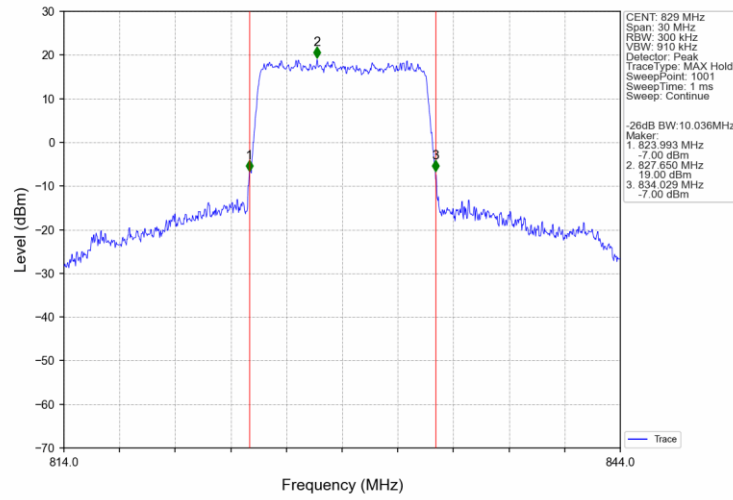
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



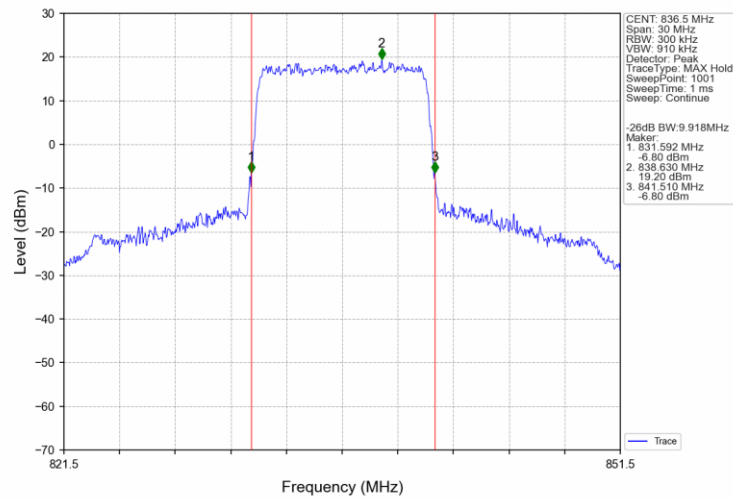
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



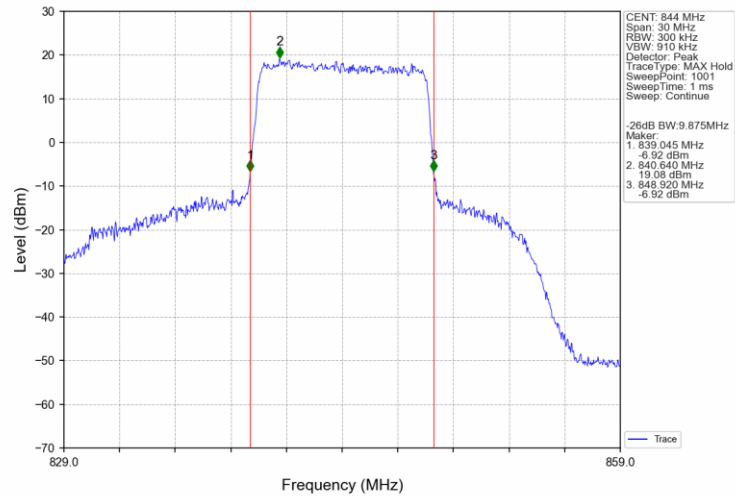
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



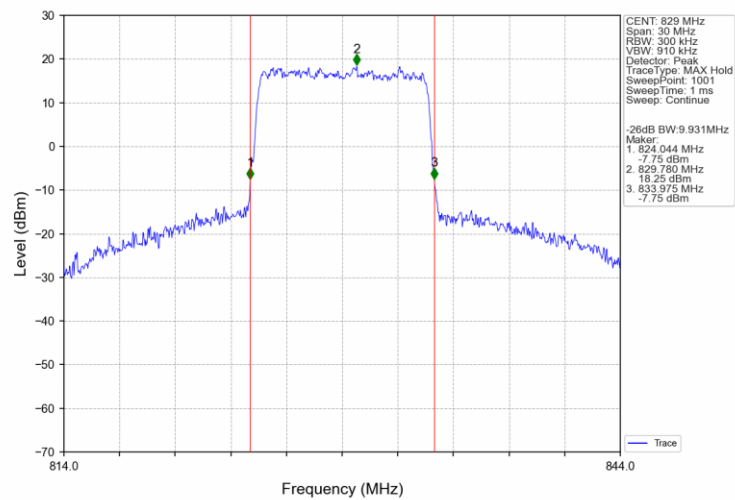
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



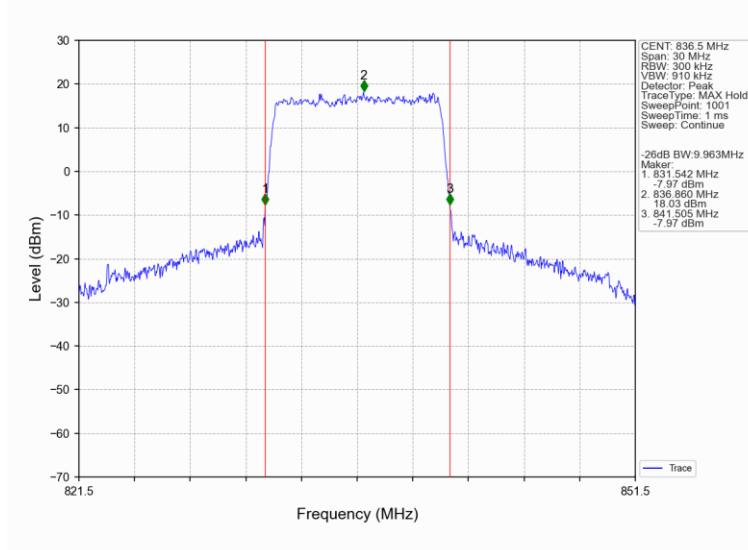
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



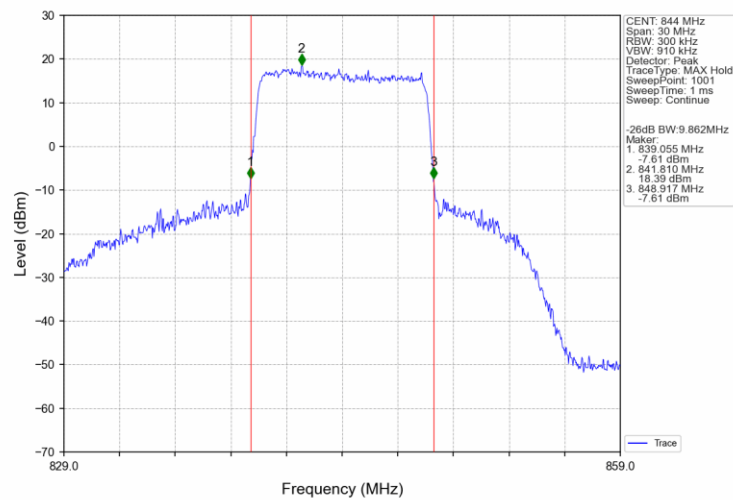
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



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



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



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	4.63	<=13	Pass
	836.5	6	0	4.74	<=13	Pass
	848.3	6	0	4.27	<=13	Pass
16QAM	824.7	6	0	5.52	<=13	Pass
	836.5	6	0	5.64	<=13	Pass
	848.3	6	0	5.16	<=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	4.93	<=13	Pass
	836.5	15	0	4.99	<=13	Pass
	847.5	15	0	4.71	<=13	Pass
16QAM	825.5	15	0	5.76	<=13	Pass
	836.5	15	0	5.83	<=13	Pass
	847.5	15	0	5.59	<=13	Pass

5.1.3 B5_5MHz

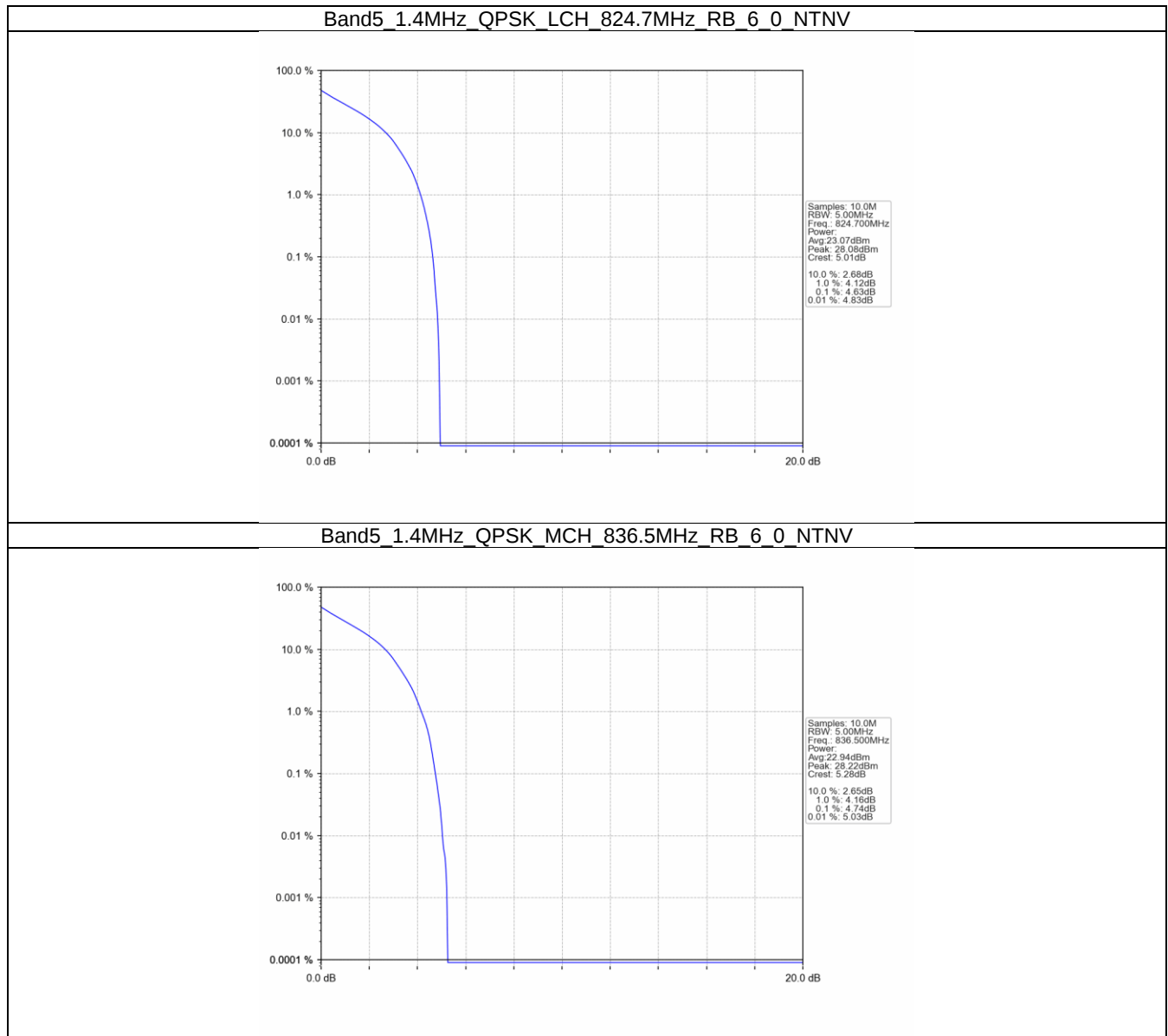
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.25	<=13	Pass
	836.5	25	0	5.28	<=13	Pass
	846.5	25	0	5.10	<=13	Pass
16QAM	826.5	25	0	5.98	<=13	Pass
	836.5	25	0	6.00	<=13	Pass
	846.5	25	0	5.88	<=13	Pass

5.1.4 B5_10MHz

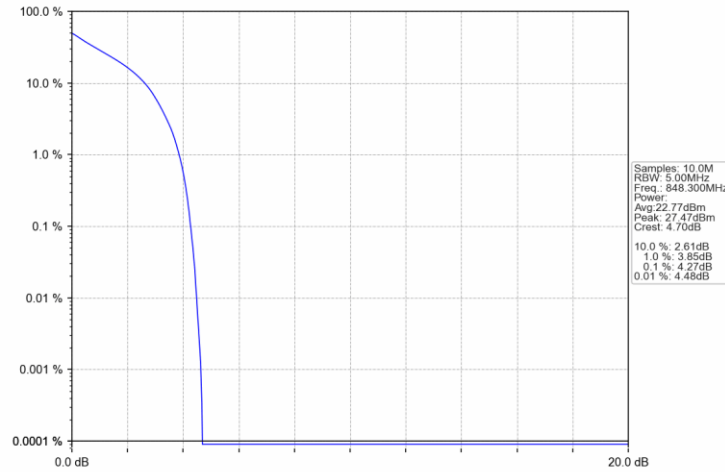
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.30	<=13	Pass
	836.5	50	0	5.21	<=13	Pass
	844	50	0	5.10	<=13	Pass
16QAM	829	50	0	6.05	<=13	Pass
	836.5	50	0	6.00	<=13	Pass
	844	50	0	5.87	<=13	Pass

5.2 Test Graph

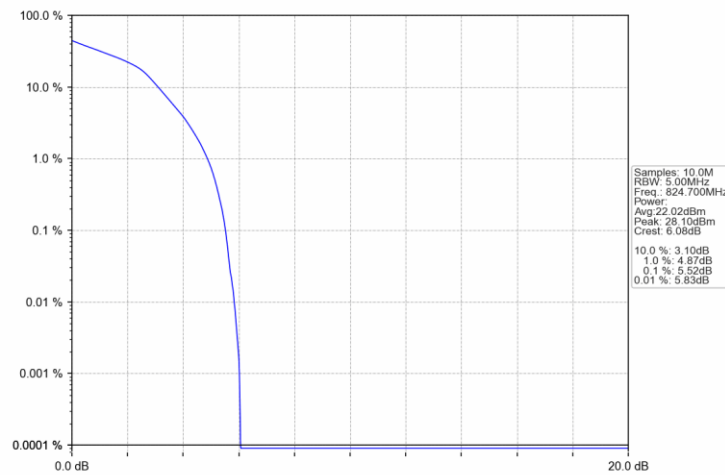
5.2.1 B5_1.4MHz



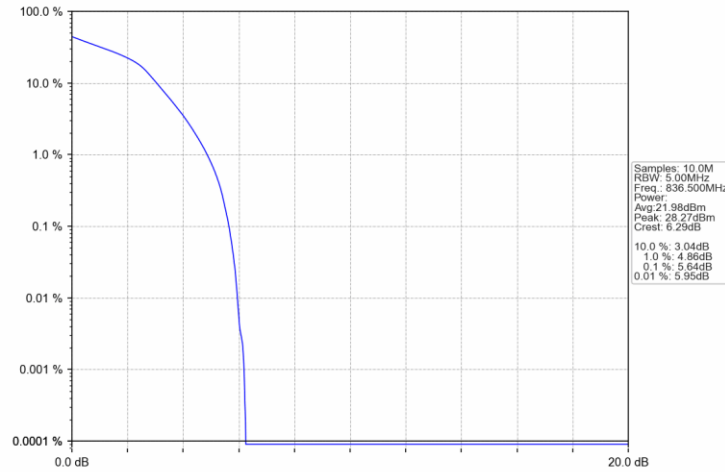
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



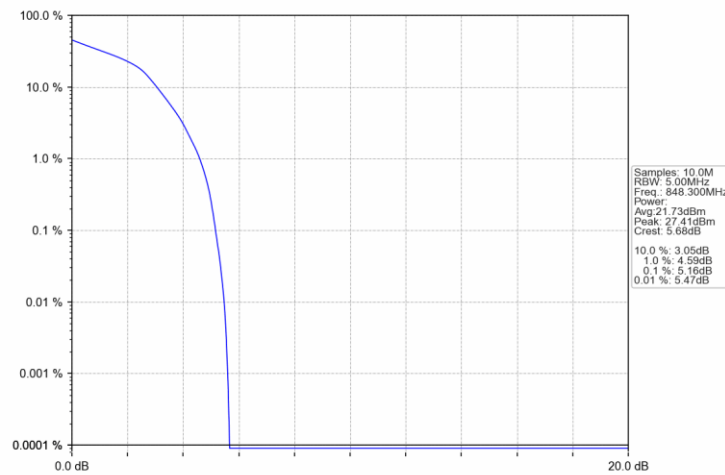
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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

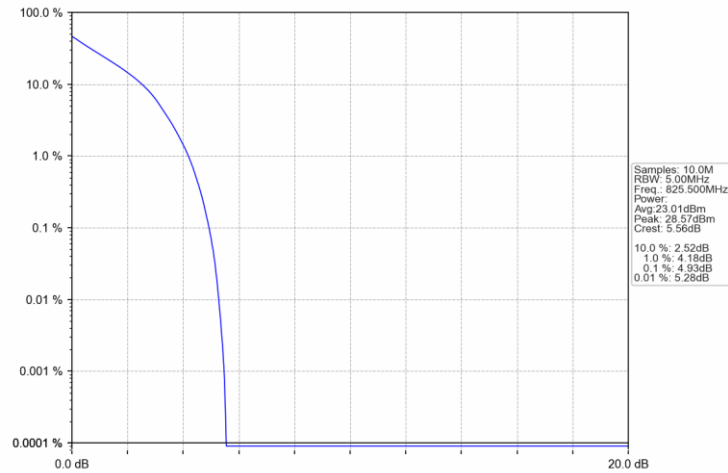


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

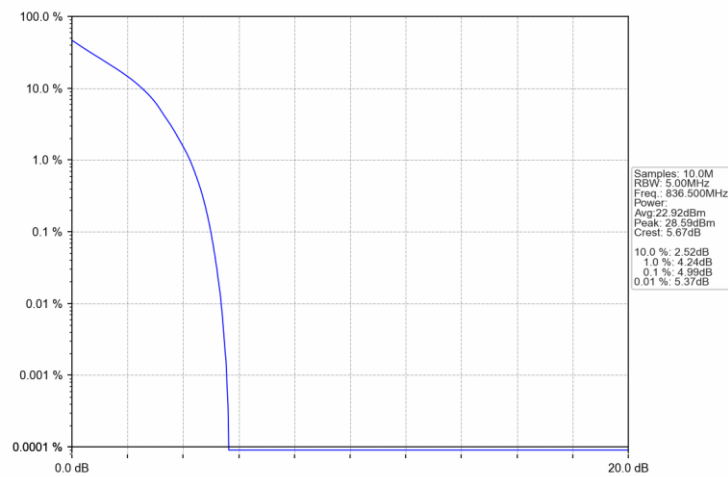


5.2.2 B5_3MHz

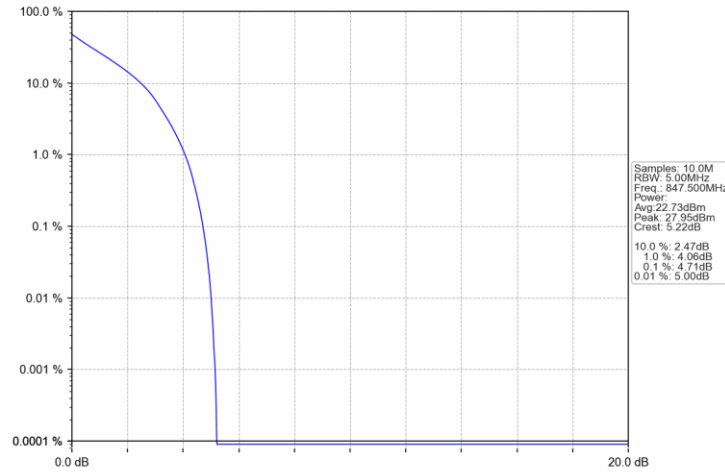
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



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

