

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	23.55	-13.91	7.49	<=34.77	Pass
			2	23.62	-13.91	7.56	<=34.77	Pass
			5	23.58	-13.91	7.52	<=34.77	Pass
		3	0	23.66	-13.91	7.60	<=34.77	Pass
			2	23.68	-13.91	7.62	<=34.77	Pass
			3	23.67	-13.91	7.61	<=34.77	Pass
		6	0	22.72	-13.91	6.66	<=34.77	Pass
	836.5	1	0	23.67	-13.91	7.61	<=34.77	Pass
			2	23.71	-13.91	7.65	<=34.77	Pass
			5	23.67	-13.91	7.61	<=34.77	Pass
		3	0	23.79	-13.91	7.73	<=34.77	Pass
			2	23.81	-13.91	7.75	<=34.77	Pass
			3	23.80	-13.91	7.74	<=34.77	Pass
		6	0	22.85	-13.91	6.79	<=34.77	Pass
	848.3	1	0	23.70	-13.91	7.64	<=34.77	Pass
			2	23.71	-13.91	7.65	<=34.77	Pass
			5	23.69	-13.91	7.63	<=34.77	Pass
		3	0	23.82	-13.91	7.76	<=34.77	Pass
			2	23.87	-13.91	7.81	<=34.77	Pass
			3	23.83	-13.91	7.77	<=34.77	Pass
		6	0	22.92	-13.91	6.86	<=34.77	Pass
16QAM	824.7	1	0	22.53	-13.91	6.47	<=34.77	Pass
			2	22.59	-13.91	6.53	<=34.77	Pass
			5	22.56	-13.91	6.50	<=34.77	Pass
		3	0	22.71	-13.91	6.65	<=34.77	Pass
			2	22.75	-13.91	6.69	<=34.77	Pass
			3	22.74	-13.91	6.68	<=34.77	Pass
		6	0	21.66	-13.91	5.60	<=34.77	Pass
	836.5	1	0	22.82	-13.91	6.76	<=34.77	Pass
			2	22.87	-13.91	6.81	<=34.77	Pass
			5	22.81	-13.91	6.75	<=34.77	Pass
		3	0	22.79	-13.91	6.73	<=34.77	Pass
			2	22.81	-13.91	6.75	<=34.77	Pass
			3	22.79	-13.91	6.73	<=34.77	Pass
		6	0	21.90	-13.91	5.84	<=34.77	Pass
	848.3	1	0	22.67	-13.91	6.61	<=34.77	Pass
			2	22.73	-13.91	6.67	<=34.77	Pass
			5	22.71	-13.91	6.65	<=34.77	Pass
		3	0	22.97	-13.91	6.91	<=34.77	Pass
			2	23.05	-13.91	6.99	<=34.77	Pass
			3	23.04	-13.91	6.98	<=34.77	Pass
		6	0	21.93	-13.91	5.87	<=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	23.41	-13.91	7.35	<=34.77	Pass
			7	23.54	-13.91	7.48	<=34.77	Pass
			14	23.41	-13.91	7.35	<=34.77	Pass
		8	0	22.66	-13.91	6.60	<=34.77	Pass
			4	22.68	-13.91	6.62	<=34.77	Pass
			7	22.65	-13.91	6.59	<=34.77	Pass
		15	0	22.64	-13.91	6.58	<=34.77	Pass
	836.5	1	0	23.57	-13.91	7.51	<=34.77	Pass
			7	23.70	-13.91	7.64	<=34.77	Pass
			14	23.56	-13.91	7.50	<=34.77	Pass
		8	0	22.78	-13.91	6.72	<=34.77	Pass
			4	22.84	-13.91	6.78	<=34.77	Pass
			7	22.75	-13.91	6.69	<=34.77	Pass
		15	0	22.73	-13.91	6.67	<=34.77	Pass
	847.5	1	0	23.57	-13.91	7.51	<=34.77	Pass
			7	23.72	-13.91	7.66	<=34.77	Pass
			14	23.63	-13.91	7.57	<=34.77	Pass
		8	0	22.83	-13.91	6.77	<=34.77	Pass
			4	22.86	-13.91	6.80	<=34.77	Pass
			7	22.79	-13.91	6.73	<=34.77	Pass
		15	0	22.78	-13.91	6.72	<=34.77	Pass
16QAM	825.5	1	0	23.03	-13.91	6.97	<=34.77	Pass
			7	23.14	-13.91	7.08	<=34.77	Pass
			14	22.96	-13.91	6.90	<=34.77	Pass
		8	0	21.78	-13.91	5.72	<=34.77	Pass
			4	21.88	-13.91	5.82	<=34.77	Pass
			7	21.81	-13.91	5.75	<=34.77	Pass
		15	0	21.70	-13.91	5.64	<=34.77	Pass
	836.5	1	0	22.57	-13.91	6.51	<=34.77	Pass
			7	22.72	-13.91	6.66	<=34.77	Pass
			14	22.61	-13.91	6.55	<=34.77	Pass
		8	0	21.83	-13.91	5.77	<=34.77	Pass
			4	21.90	-13.91	5.84	<=34.77	Pass
			7	21.83	-13.91	5.77	<=34.77	Pass
		15	0	21.83	-13.91	5.77	<=34.77	Pass
	847.5	1	0	22.70	-13.91	6.64	<=34.77	Pass
			7	22.88	-13.91	6.82	<=34.77	Pass
			14	22.79	-13.91	6.73	<=34.77	Pass
		8	0	21.81	-13.91	5.75	<=34.77	Pass
			4	21.86	-13.91	5.80	<=34.77	Pass
			7	21.78	-13.91	5.72	<=34.77	Pass
		15	0	21.76	-13.91	5.70	<=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	23.68	-13.91	7.62	<=34.77	Pass
			13	23.78	-13.91	7.72	<=34.77	Pass
			24	23.72	-13.91	7.66	<=34.77	Pass
		12	0	22.62	-13.91	6.56	<=34.77	Pass
			6	22.76	-13.91	6.70	<=34.77	Pass

			13	22.71	-13.91	6.65	<=34.77	Pass	
		25	0	22.72	-13.91	6.66	<=34.77	Pass	
	836.5	1	0	23.77	-13.91	7.71	<=34.77	Pass	
			13	23.91	-13.91	7.85	<=34.77	Pass	
			24	23.82	-13.91	7.76	<=34.77	Pass	
		12	0	22.76	-13.91	6.70	<=34.77	Pass	
			6	22.87	-13.91	6.81	<=34.77	Pass	
			13	22.83	-13.91	6.77	<=34.77	Pass	
		25	0	22.84	-13.91	6.78	<=34.77	Pass	
	846.5	1	0	23.77	-13.91	7.71	<=34.77	Pass	
			13	23.89	-13.91	7.83	<=34.77	Pass	
			24	23.85	-13.91	7.79	<=34.77	Pass	
		12	0	22.84	-13.91	6.78	<=34.77	Pass	
			6	22.84	-13.91	6.78	<=34.77	Pass	
			13	22.84	-13.91	6.78	<=34.77	Pass	
		25	0	22.84	-13.91	6.78	<=34.77	Pass	
	16QAM	826.5	1	0	22.91	-13.91	6.85	<=34.77	Pass
				13	23.06	-13.91	7.00	<=34.77	Pass
24				22.97	-13.91	6.91	<=34.77	Pass	
12			0	21.68	-13.91	5.62	<=34.77	Pass	
			6	21.82	-13.91	5.76	<=34.77	Pass	
			13	21.77	-13.91	5.71	<=34.77	Pass	
25			0	21.71	-13.91	5.65	<=34.77	Pass	
836.5		1	0	22.64	-13.91	6.58	<=34.77	Pass	
			13	22.77	-13.91	6.71	<=34.77	Pass	
			24	22.73	-13.91	6.67	<=34.77	Pass	
		12	0	21.75	-13.91	5.69	<=34.77	Pass	
			6	21.86	-13.91	5.80	<=34.77	Pass	
			13	21.79	-13.91	5.73	<=34.77	Pass	
25		0	21.88	-13.91	5.82	<=34.77	Pass		
846.5		1	0	22.88	-13.91	6.82	<=34.77	Pass	
			13	23.01	-13.91	6.95	<=34.77	Pass	
			24	22.95	-13.91	6.89	<=34.77	Pass	
		12	0	21.84	-13.91	5.78	<=34.77	Pass	
			6	21.85	-13.91	5.79	<=34.77	Pass	
			13	21.84	-13.91	5.78	<=34.77	Pass	
25		0	21.92	-13.91	5.86	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.71	-13.91	7.65	<=34.77	Pass
			25	23.80	-13.91	7.74	<=34.77	Pass
			49	23.74	-13.91	7.68	<=34.77	Pass
		25	0	22.64	-13.91	6.58	<=34.77	Pass
			13	22.77	-13.91	6.71	<=34.77	Pass
			25	22.79	-13.91	6.73	<=34.77	Pass
		50	0	22.77	-13.91	6.71	<=34.77	Pass
	836.5	1	0	23.78	-13.91	7.72	<=34.77	Pass
			25	23.89	-13.91	7.83	<=34.77	Pass
			49	23.90	-13.91	7.84	<=34.77	Pass
		25	0	22.70	-13.91	6.64	<=34.77	Pass
			13	22.88	-13.91	6.82	<=34.77	Pass
			25	22.90	-13.91	6.84	<=34.77	Pass
		50	0	22.83	-13.91	6.77	<=34.77	Pass

16QAM	844	1	0	23.81	-13.91	7.75	<=34.77	Pass
			25	23.85	-13.91	7.79	<=34.77	Pass
			49	23.88	-13.91	7.82	<=34.77	Pass
		25	0	22.79	-13.91	6.73	<=34.77	Pass
			13	22.86	-13.91	6.80	<=34.77	Pass
			25	22.85	-13.91	6.79	<=34.77	Pass
		50	0	22.82	-13.91	6.76	<=34.77	Pass
	829	1	0	23.24	-13.91	7.18	<=34.77	Pass
			25	23.32	-13.91	7.26	<=34.77	Pass
			49	23.39	-13.91	7.33	<=34.77	Pass
		25	0	21.77	-13.91	5.71	<=34.77	Pass
			13	21.88	-13.91	5.82	<=34.77	Pass
			25	21.83	-13.91	5.77	<=34.77	Pass
		50	0	21.73	-13.91	5.67	<=34.77	Pass
	836.5	1	0	22.82	-13.91	6.76	<=34.77	Pass
			25	22.89	-13.91	6.83	<=34.77	Pass
			49	22.92	-13.91	6.86	<=34.77	Pass
		25	0	21.88	-13.91	5.82	<=34.77	Pass
			13	22.02	-13.91	5.96	<=34.77	Pass
			25	21.94	-13.91	5.88	<=34.77	Pass
		50	0	21.87	-13.91	5.81	<=34.77	Pass
	844	1	0	22.96	-13.91	6.90	<=34.77	Pass
			25	23.04	-13.91	6.98	<=34.77	Pass
			49	23.08	-13.91	7.02	<=34.77	Pass
		25	0	21.84	-13.91	5.78	<=34.77	Pass
			13	21.90	-13.91	5.84	<=34.77	Pass
			25	21.88	-13.91	5.82	<=34.77	Pass
		50	0	21.82	-13.91	5.76	<=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	-2.918	-0.0035	-2.5 to 2.5	Pass
					3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-3.419	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.360	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.621	-0.0056	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.133	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass

				0	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0062	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-4.520	-0.0053	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
					4.43	2.403	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	1.216	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0026	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	1.330	0.0016	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0040	-2.5 to 2.5	Pass
				10	3.85	0.916	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.289	0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-4.549	-0.0054	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.354	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0030	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.204	-0.0038	-2.5 to 2.5	Pass
					3.85	-3.433	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.580	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.549	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-4.406	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.811	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-6.022	-0.0073	-2.5 to 2.5	Pass
					3.85	-5.379	-0.0065	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0066	-2.5 to 2.5	Pass

16QAM	836.5	15	0	-30	3.85	-5.121	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-4.206	-0.0050	-2.5 to 2.5	Pass
					3.85	1.373	0.0016	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0052	-2.5 to 2.5	Pass
				20	3.27	-1.016	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-4.163	-0.0049	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				30	3.85	-5.736	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
	825.5	15	0	20	3.27	-3.676	-0.0045	-2.5 to 2.5	Pass
					3.85	-6.194	-0.0075	-2.5 to 2.5	Pass
					4.43	-3.533	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
				20	3.27	-2.675	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
					4.43	0.529	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-4.506	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-5.207	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-6.423	-0.0076	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-1.702	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.090	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0026	-2.5 to 2.5	Pass

				10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-2.518	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0002	-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	-2.203	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.363	-0.0052	-2.5 to 2.5	Pass
					3.85	-3.433	-0.0041	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-4.435	-0.0052	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.033	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0013	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-2.832	-0.0034	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	1.330	0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.544	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.931	-0.0023	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0060	-2.5 to 2.5	Pass

				-20	3.85	-6.108	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-8.297	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-5.865	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.844	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0022	-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	-3.176	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.219	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.377	-0.0052	-2.5 to 2.5	Pass
					3.85	-2.775	-0.0033	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.692	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.921	-0.0058	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-3.777	-0.0046	-2.5 to 2.5	Pass

					3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.834	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0040	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-3.519	-0.0042	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.877	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-1.044	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.377	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.463	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-3.691	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-4.520	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0036	-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

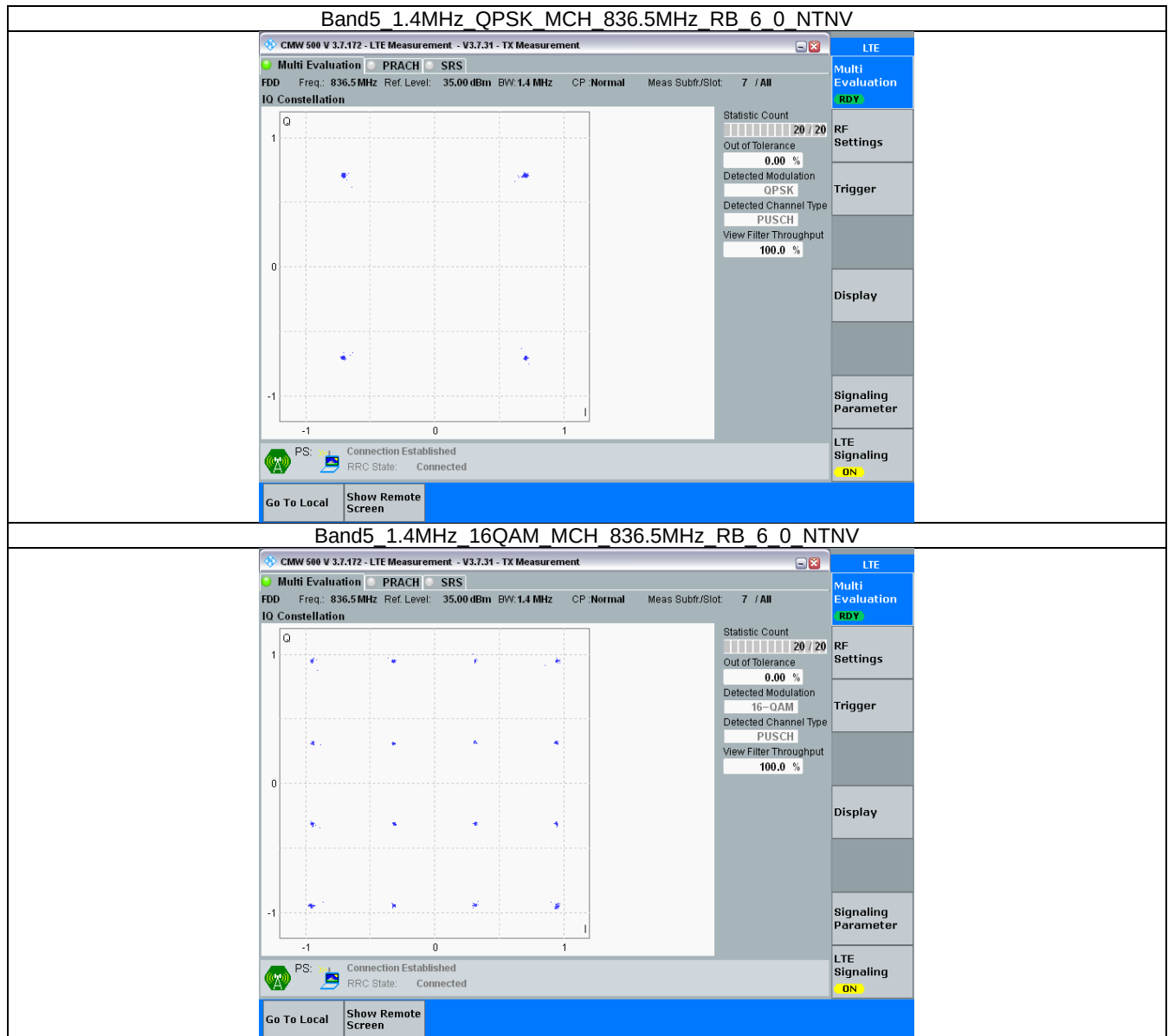
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

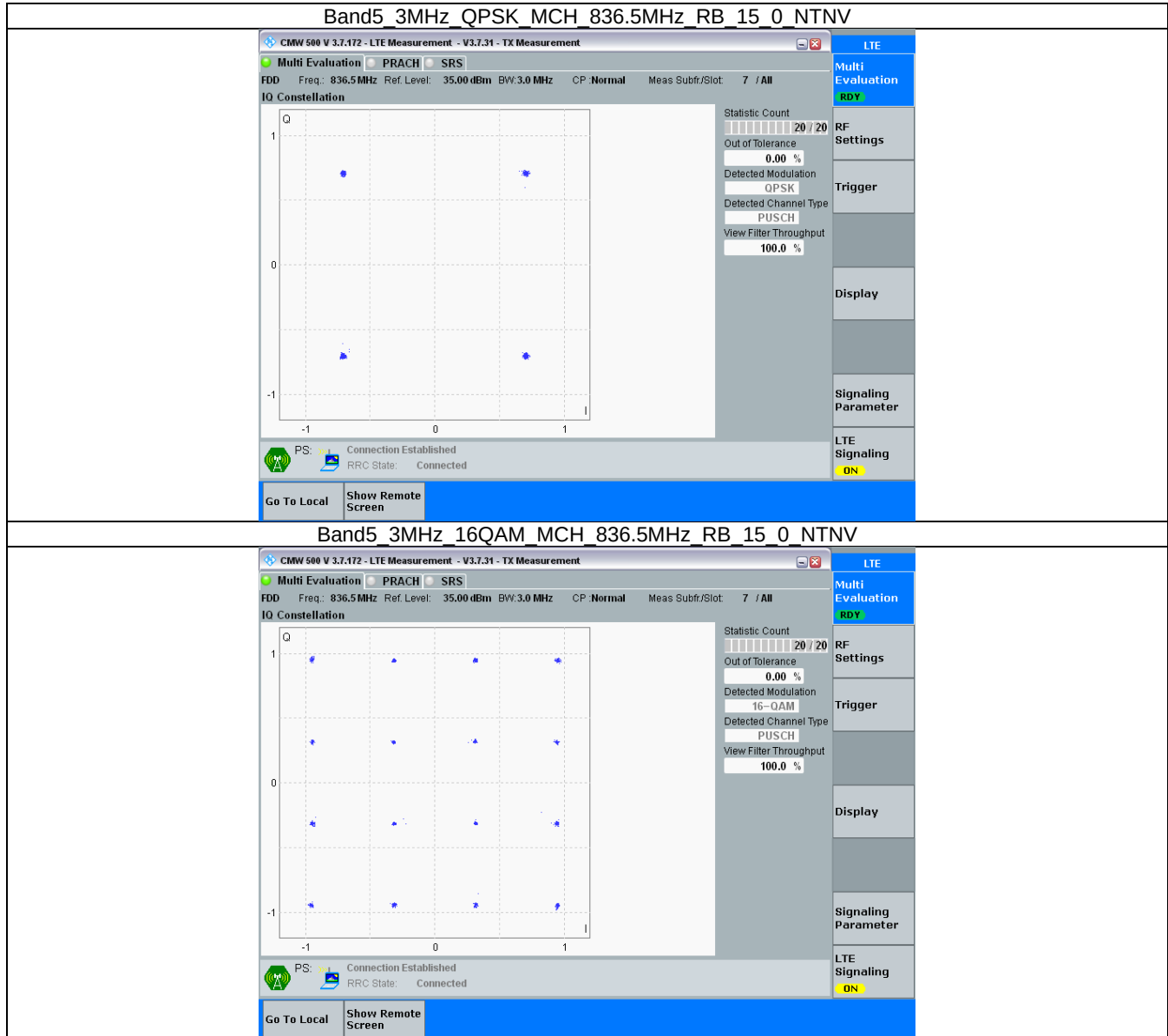
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

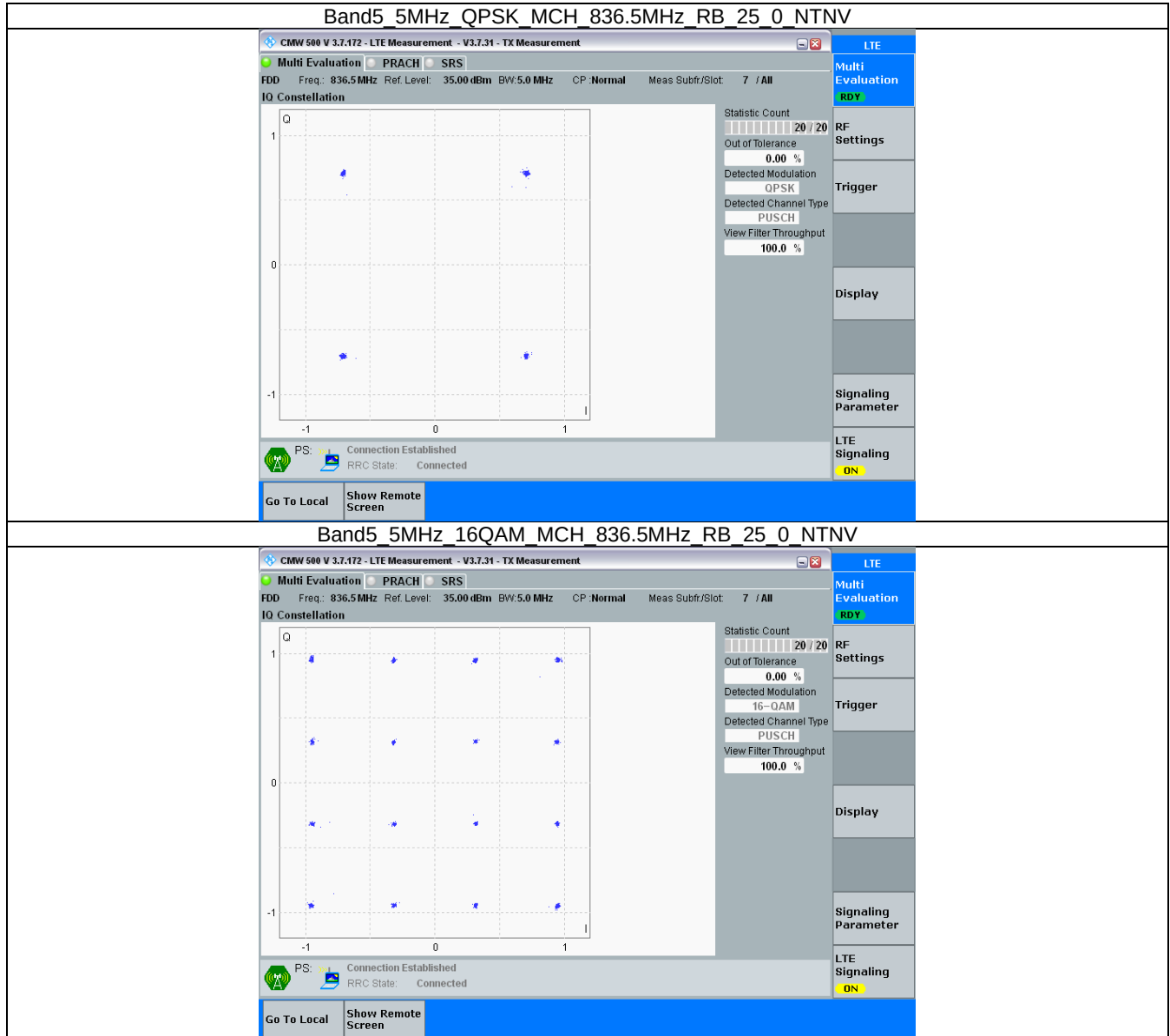
3.2.1 B5_1.4MHz



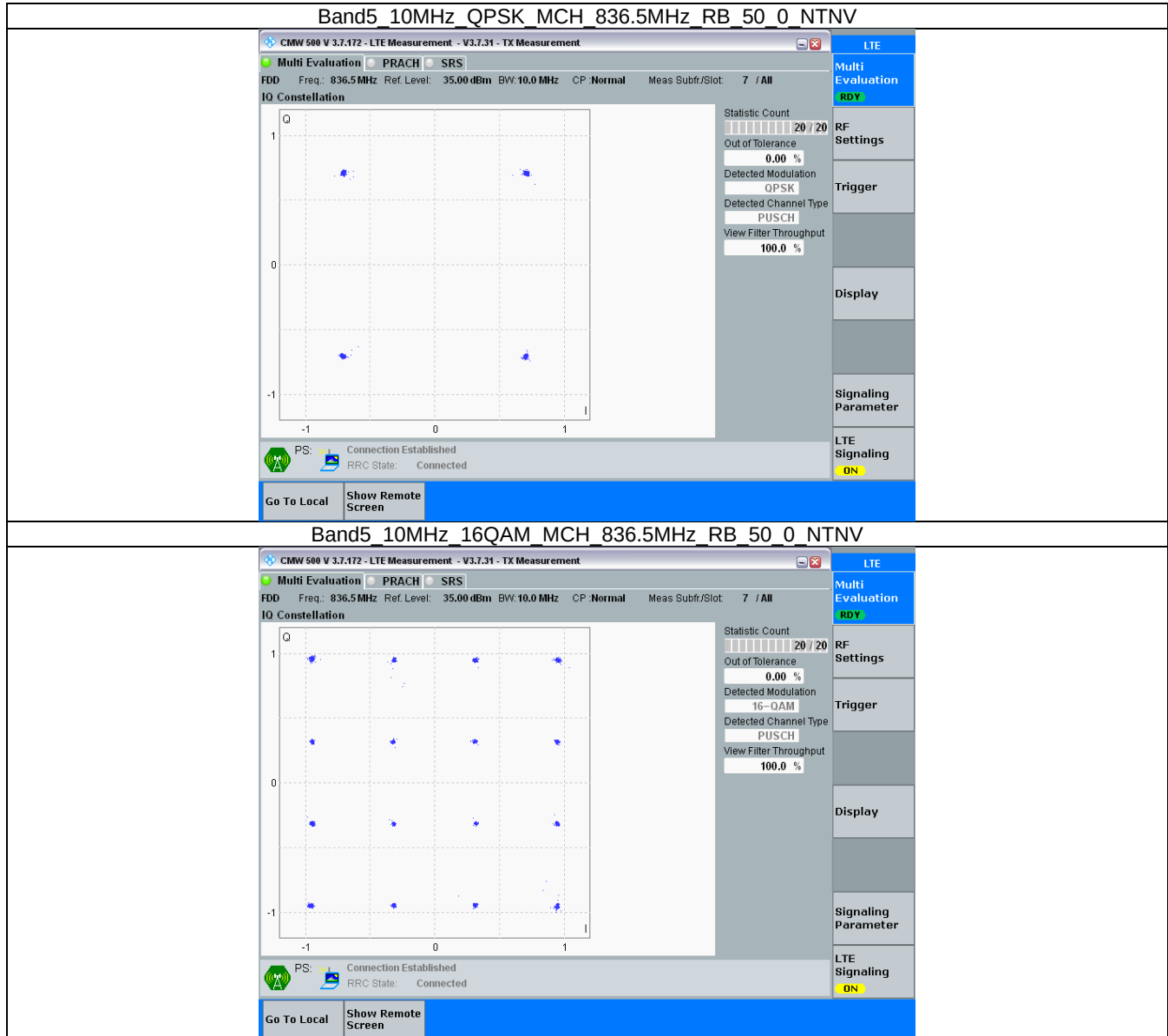
3.2.2 B5_3MHz



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	1.126	/	Pass
		836.5	6	0	1.116	/	Pass
		848.3	6	0	1.109	/	Pass
	16QAM	824.7	6	0	1.114	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.117	/	Pass
3	QPSK	825.5	15	0	2.722	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.722	/	Pass
	16QAM	825.5	15	0	2.711	/	Pass
		836.5	15	0	2.710	/	Pass
		847.5	15	0	2.725	/	Pass
5	QPSK	826.5	25	0	4.550	/	Pass
		836.5	25	0	4.542	/	Pass
		846.5	25	0	4.544	/	Pass
	16QAM	826.5	25	0	4.532	/	Pass
		836.5	25	0	4.550	/	Pass
		846.5	25	0	4.546	/	Pass
10	QPSK	829	50	0	9.035	/	Pass
		836.5	50	0	9.043	/	Pass
		844	50	0	9.018	/	Pass
	16QAM	829	50	0	9.028	/	Pass
		836.5	50	0	9.038	/	Pass
		844	50	0	9.016	/	Pass

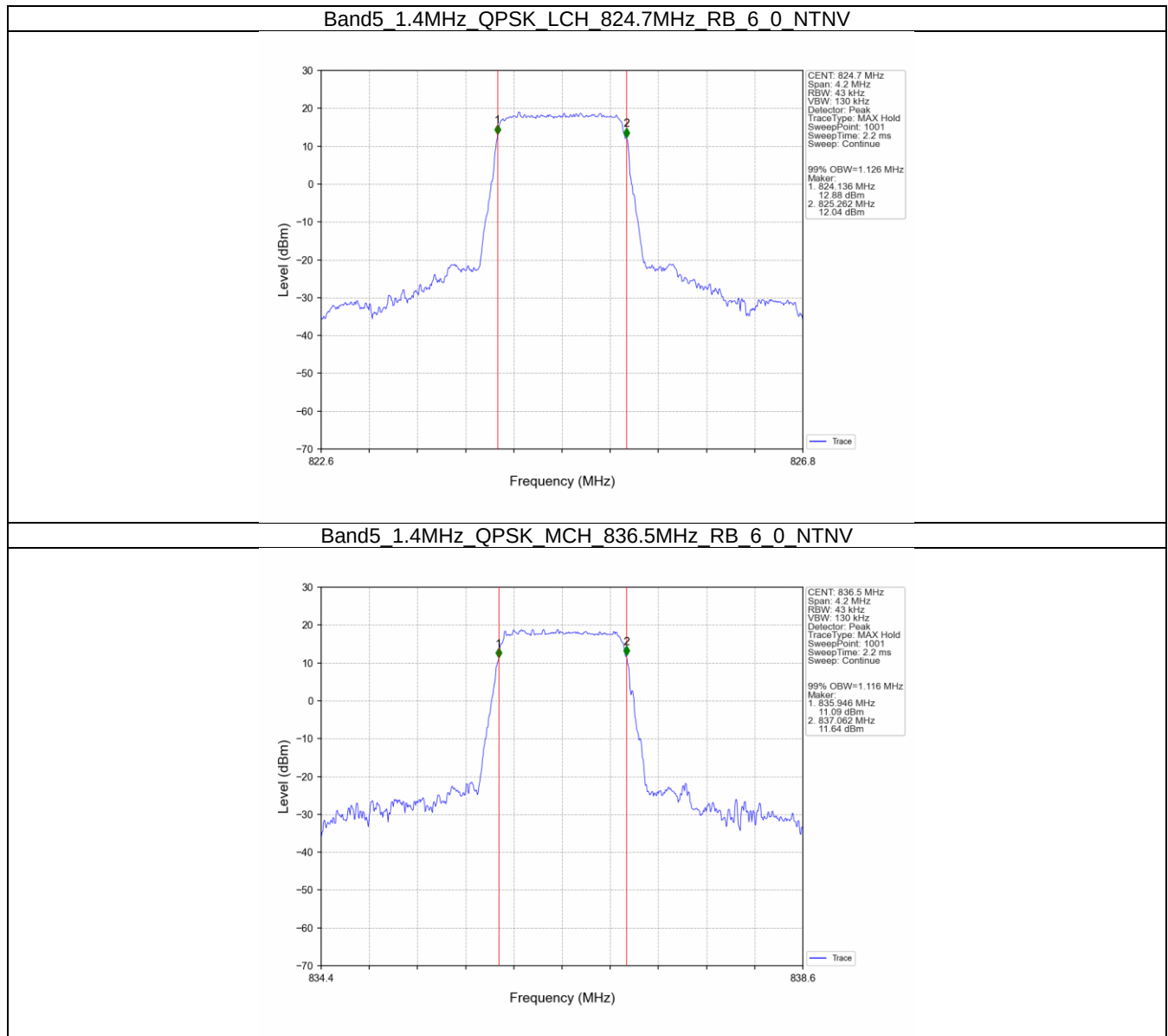
4.1.2 Band5_XDB

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	1.290	/	Pass
		836.5	6	0	1.304	/	Pass
		848.3	6	0	1.310	/	Pass
	16QAM	824.7	6	0	1.312	/	Pass
		836.5	6	0	1.289	/	Pass
		848.3	6	0	1.304	/	Pass
3	QPSK	825.5	15	0	3.059	/	Pass
		836.5	15	0	3.037	/	Pass
		847.5	15	0	3.036	/	Pass
	16QAM	825.5	15	0	2.991	/	Pass
		836.5	15	0	3.035	/	Pass
		847.5	15	0	3.054	/	Pass
5	QPSK	826.5	25	0	5.019	/	Pass
		836.5	25	0	4.978	/	Pass
		846.5	25	0	4.983	/	Pass

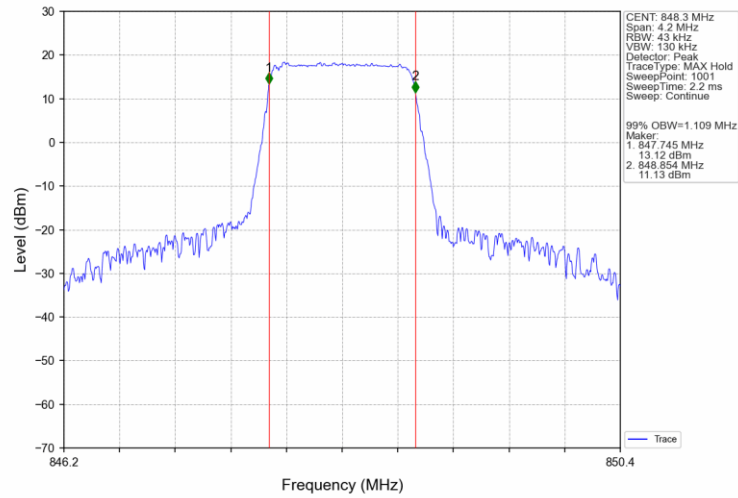
10	16QAM	826.5	25	0	4.992	/	Pass
		836.5	25	0	5.003	/	Pass
		846.5	25	0	4.994	/	Pass
	QPSK	829	50	0	9.935	/	Pass
		836.5	50	0	9.923	/	Pass
		844	50	0	9.903	/	Pass
	16QAM	829	50	0	9.923	/	Pass
		836.5	50	0	9.882	/	Pass
		844	50	0	9.828	/	Pass

4.2 Test Graph

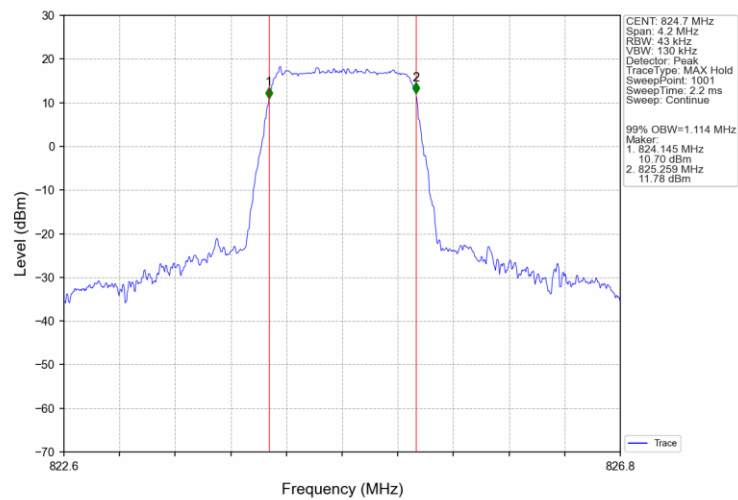
4.2.1 Band5_OBW



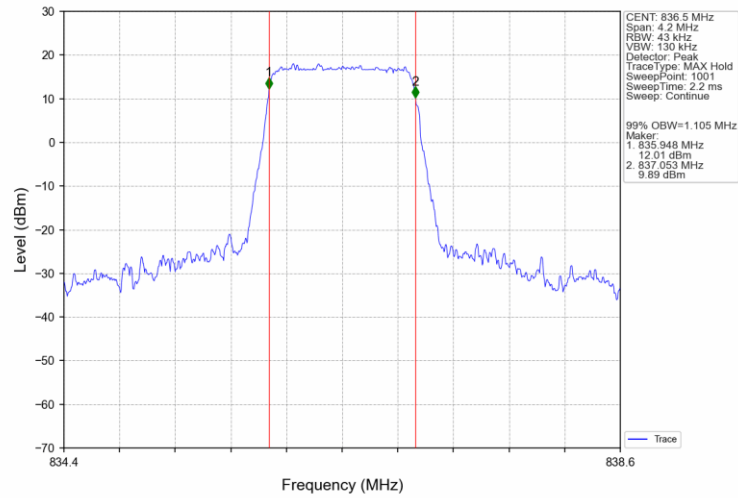
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



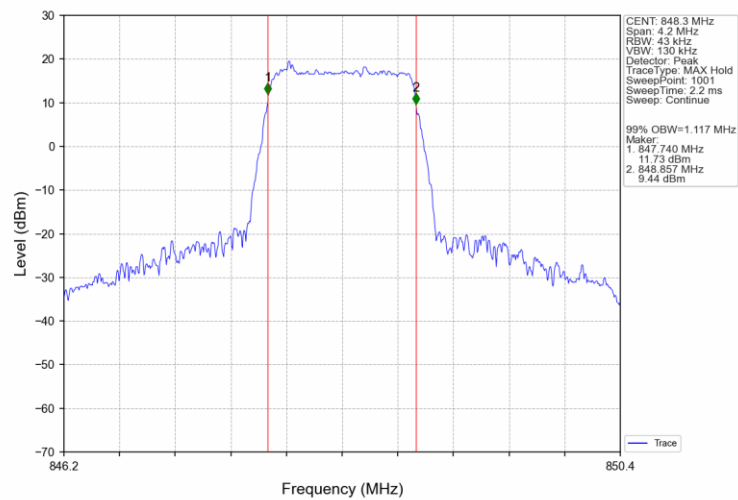
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



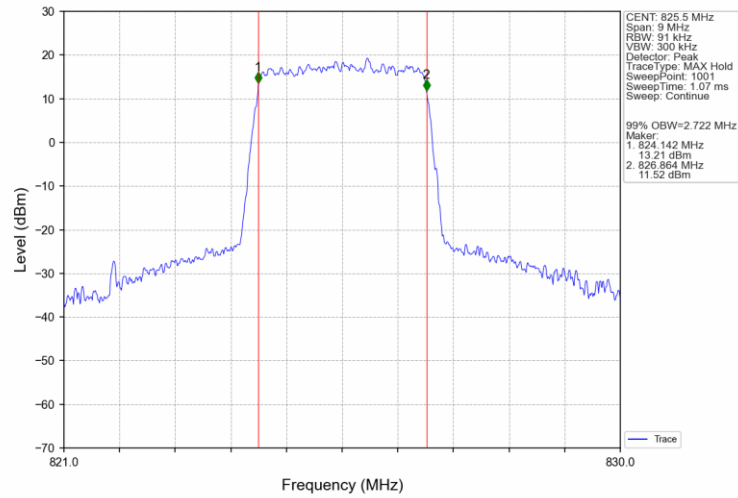
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



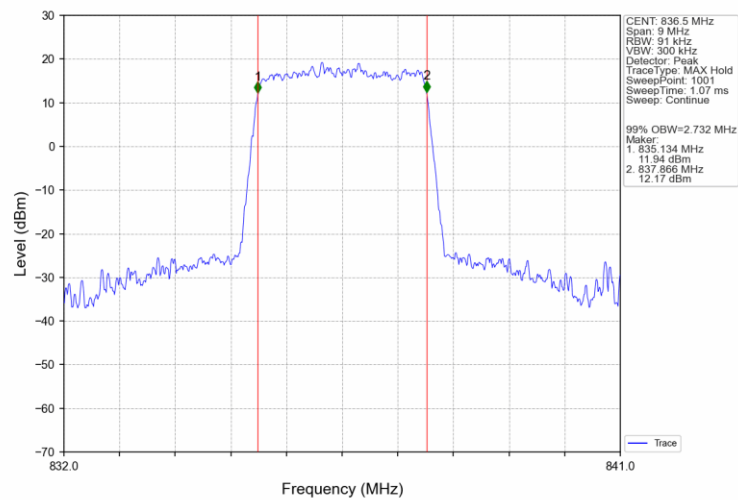
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



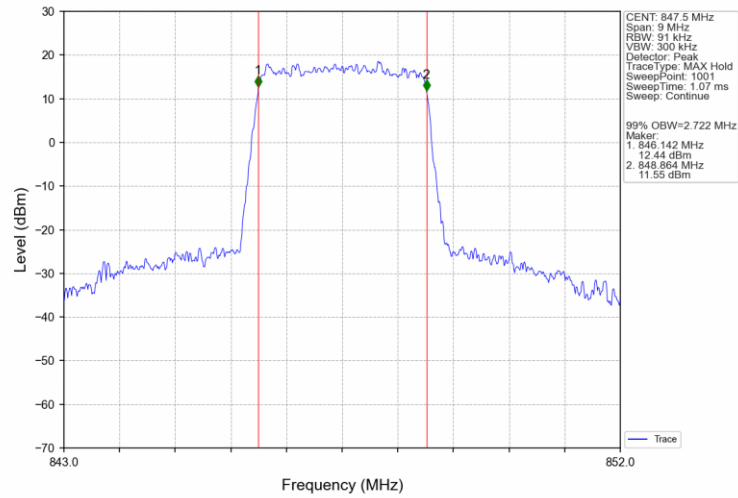
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



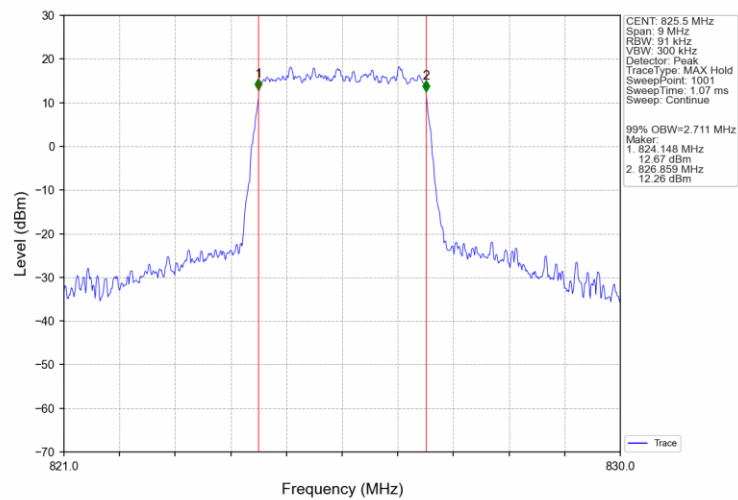
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



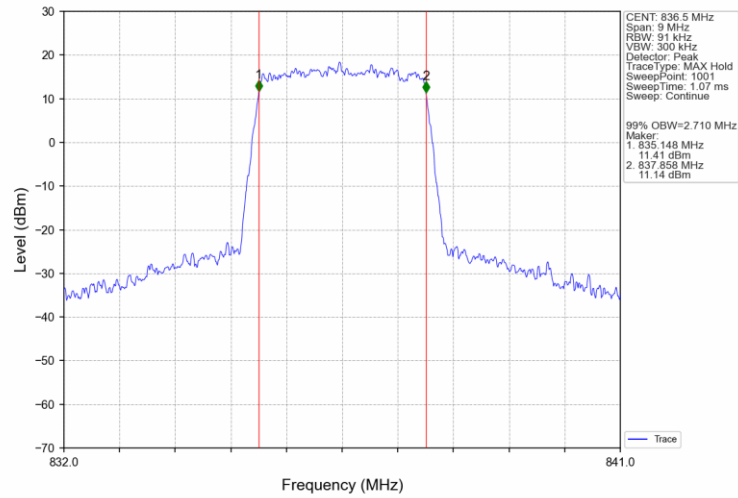
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV



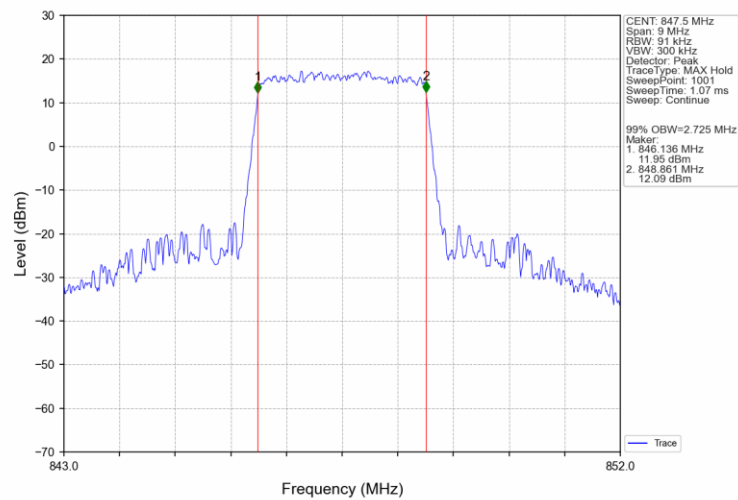
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



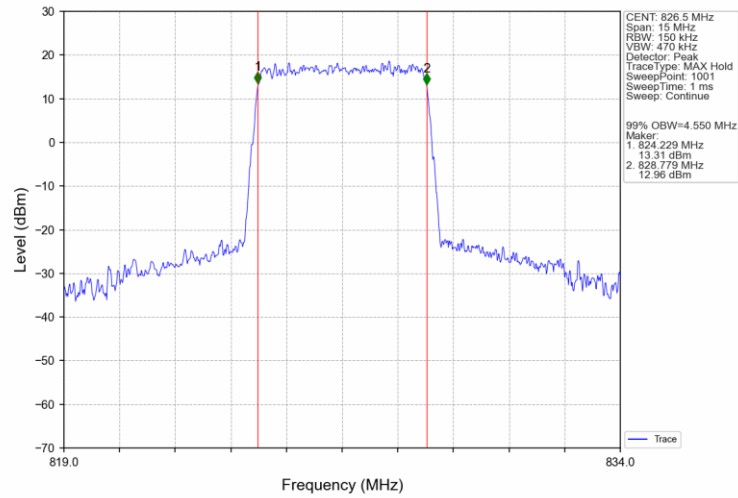
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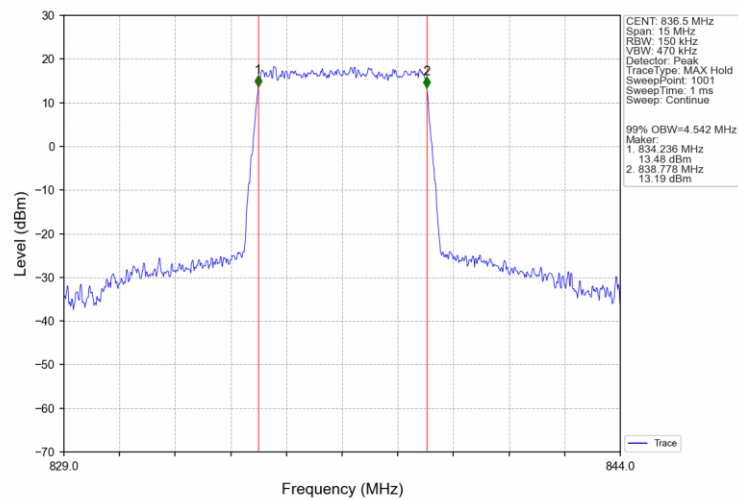
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



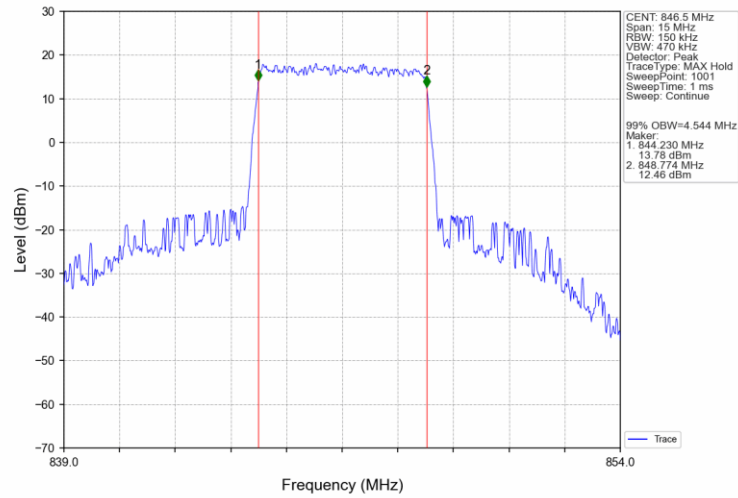
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



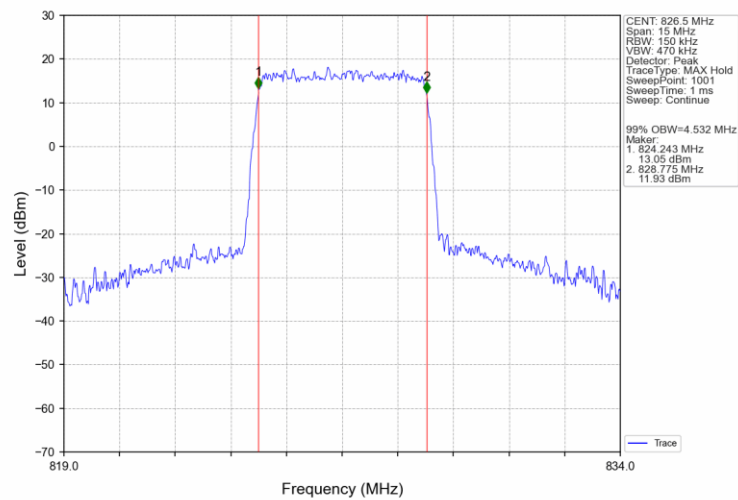
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



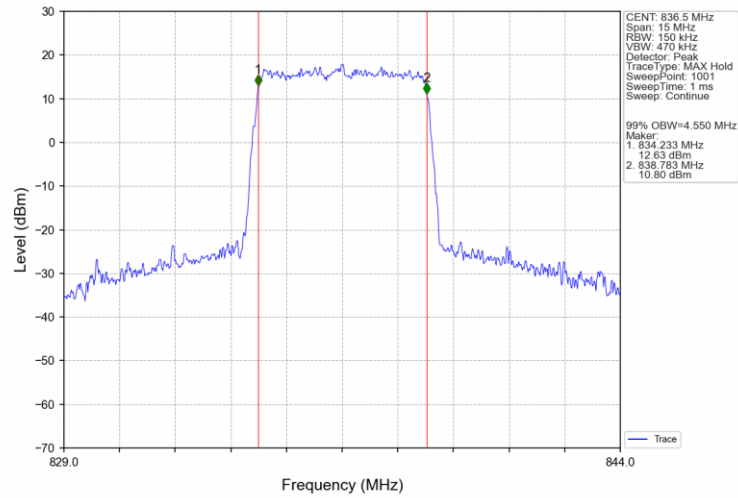
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



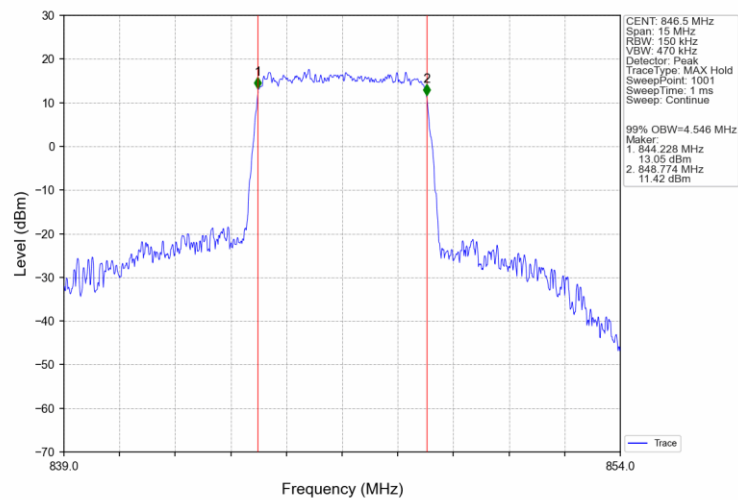
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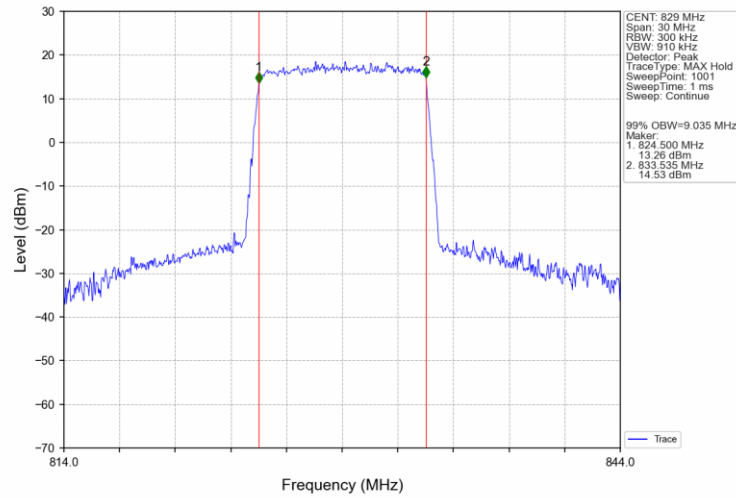
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



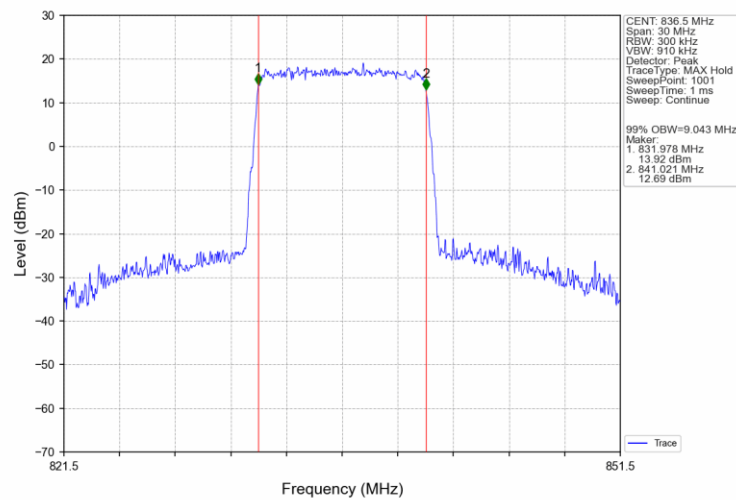
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



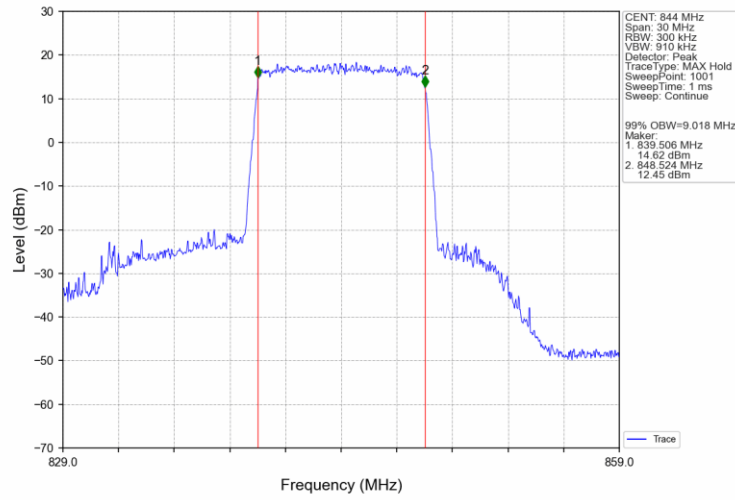
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



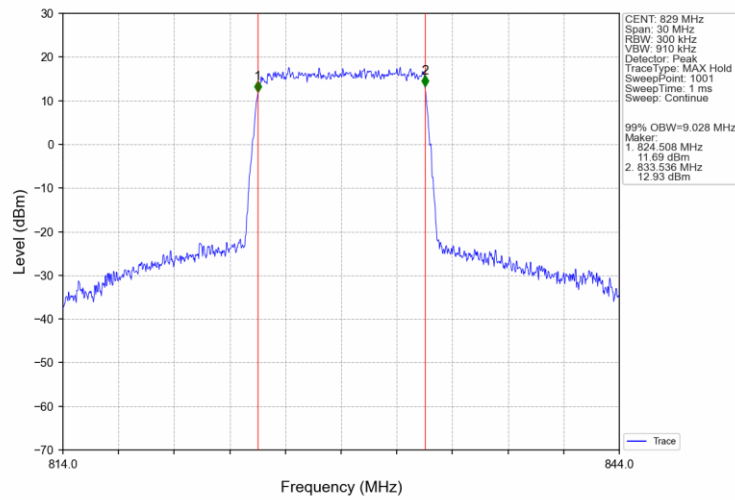
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



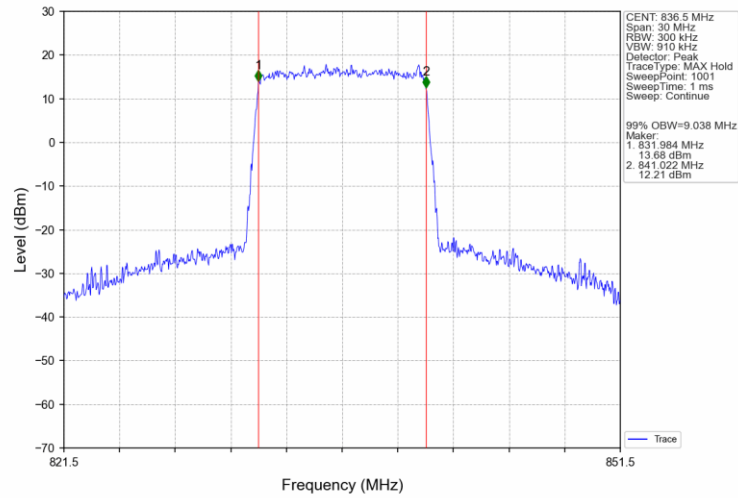
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



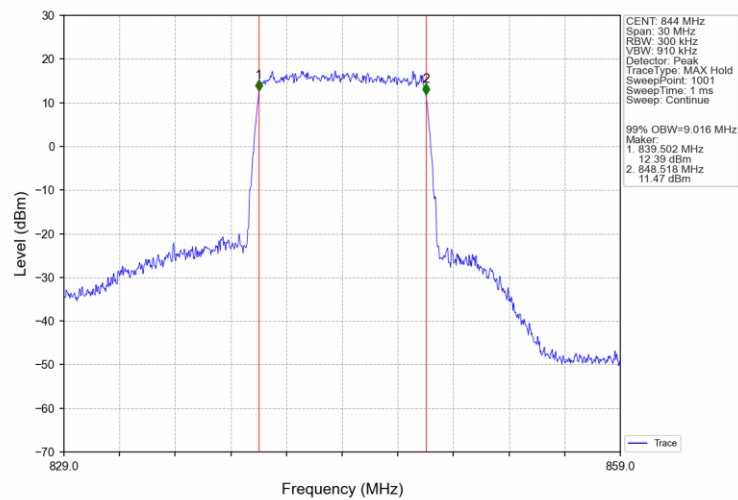
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

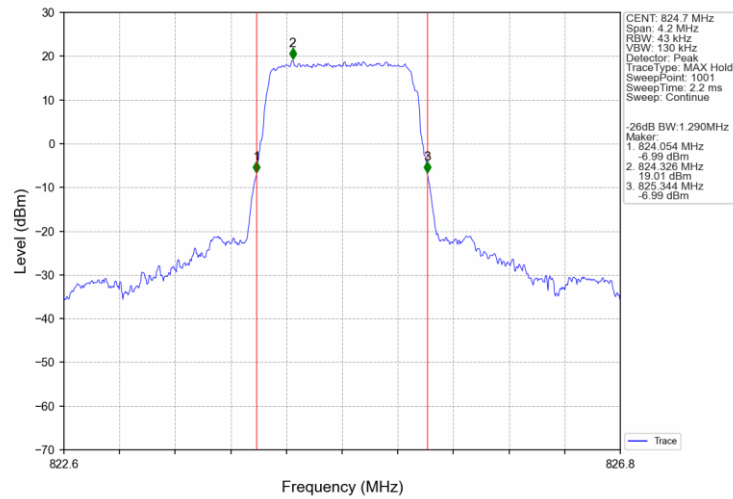


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

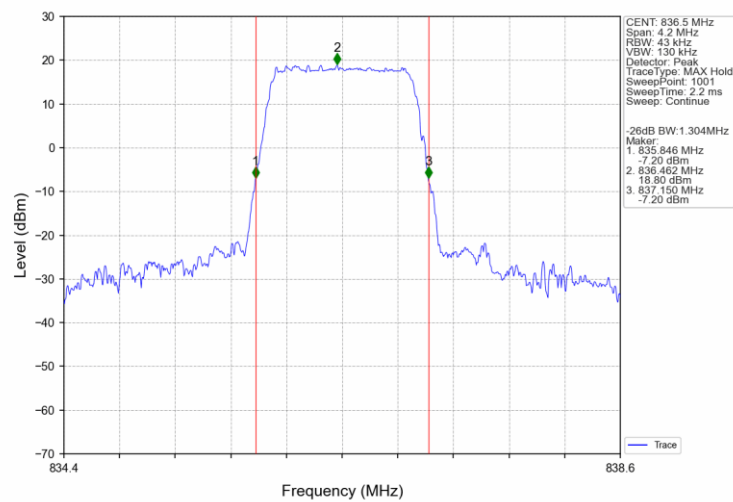


4.2.2 Band5_XDB

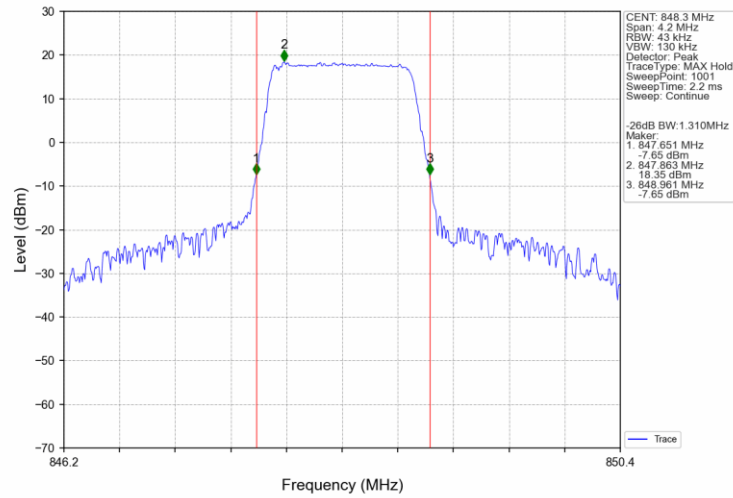
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



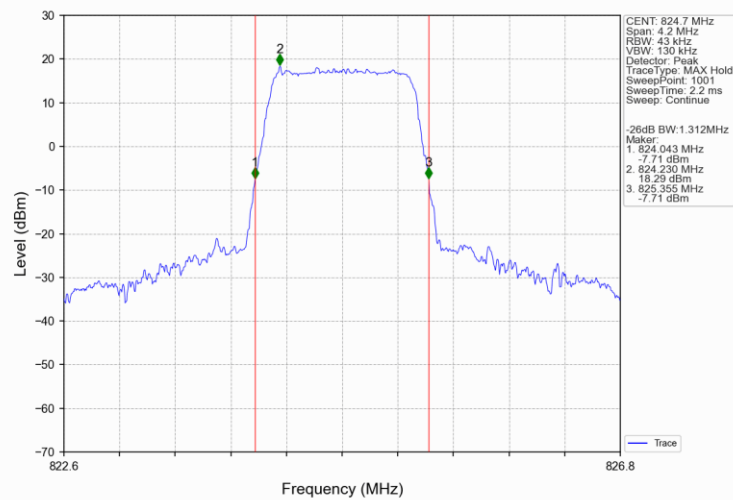
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



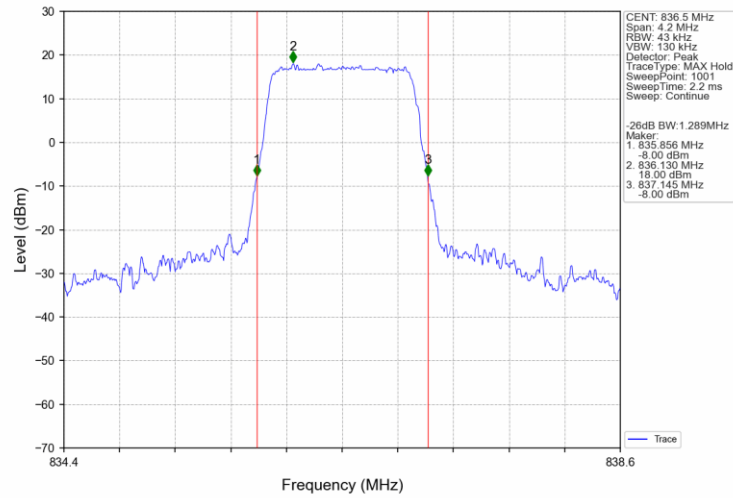
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



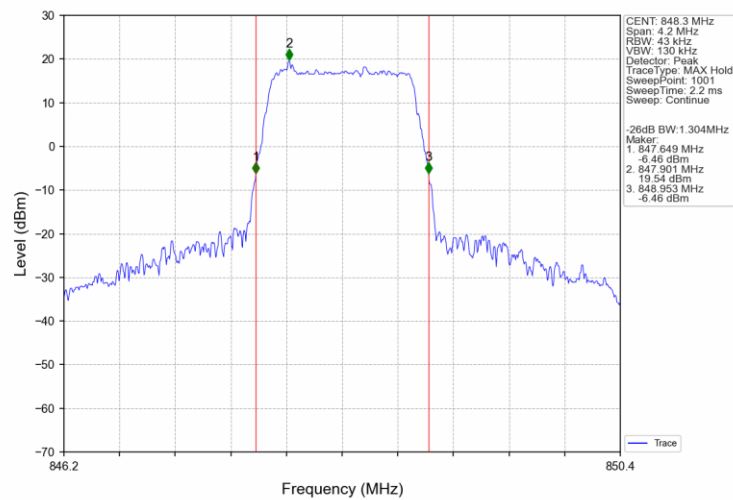
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



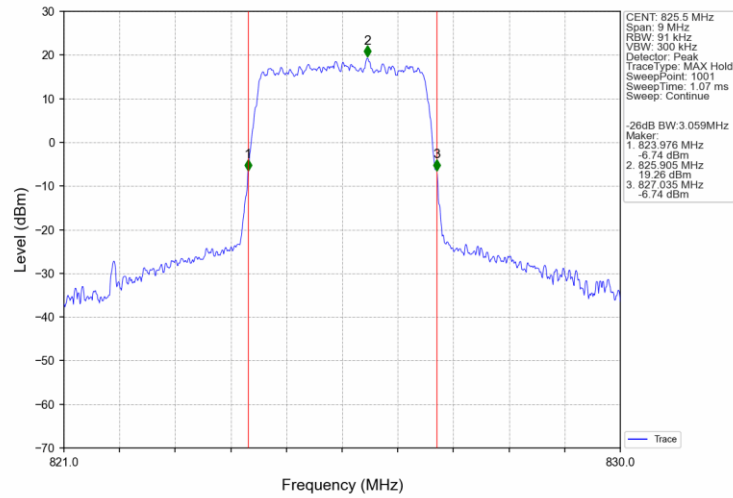
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



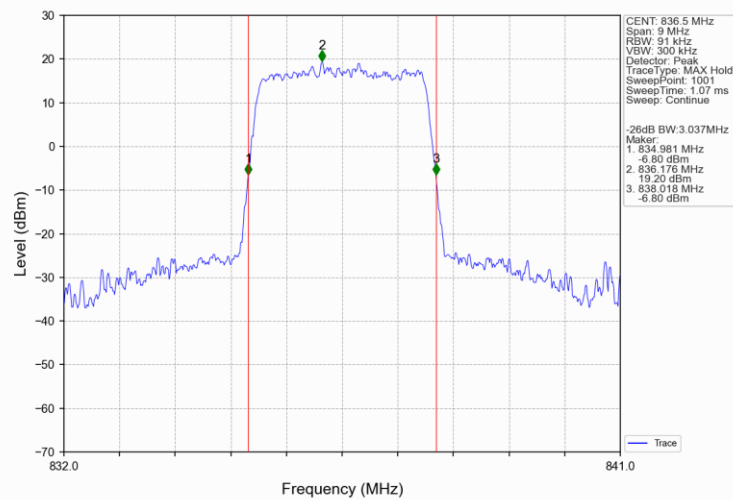
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



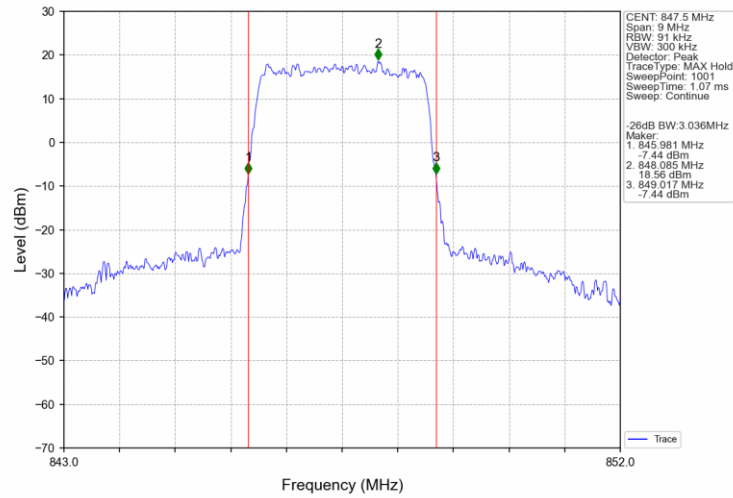
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



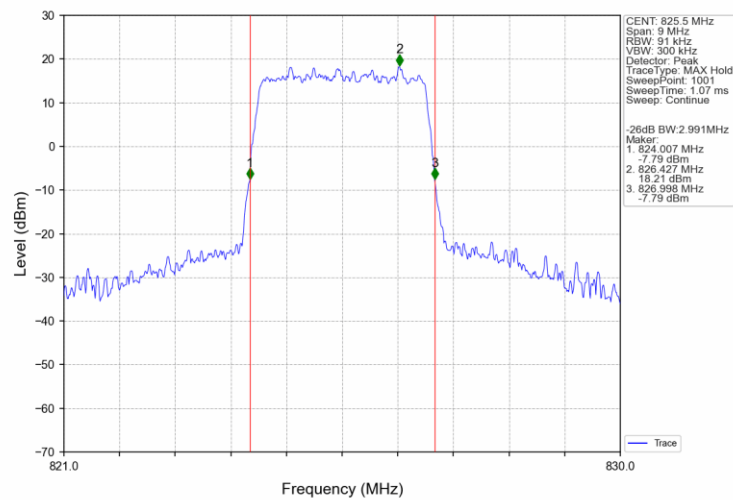
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



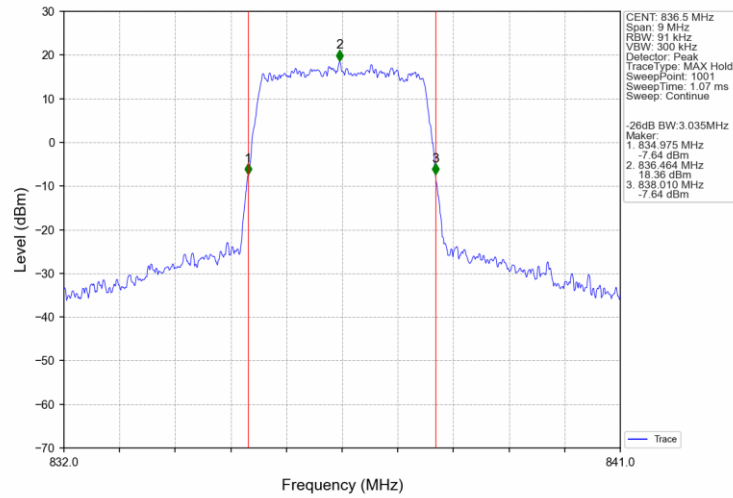
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV



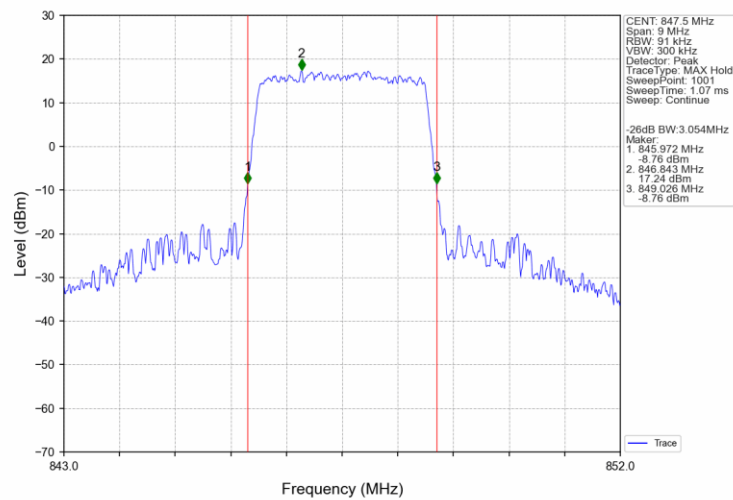
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



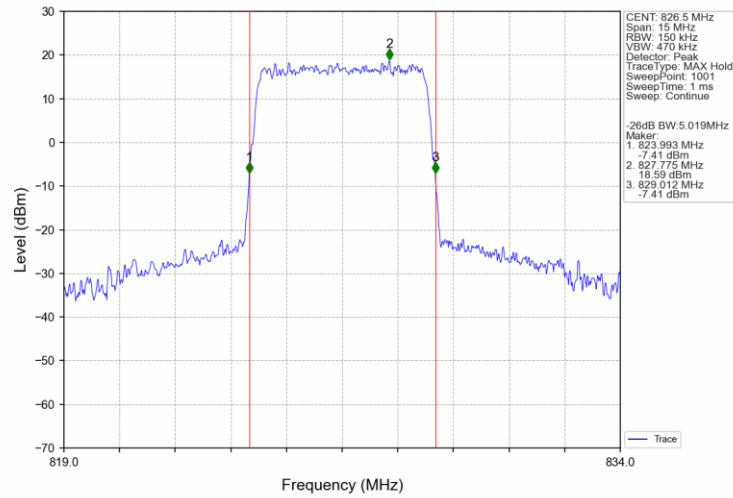
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



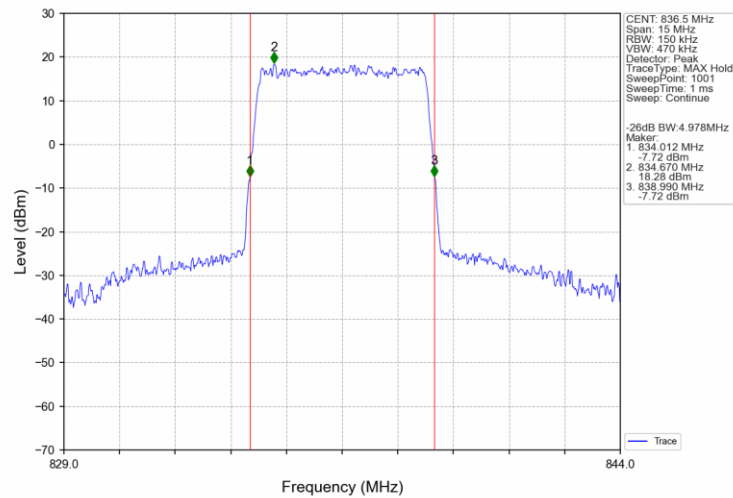
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



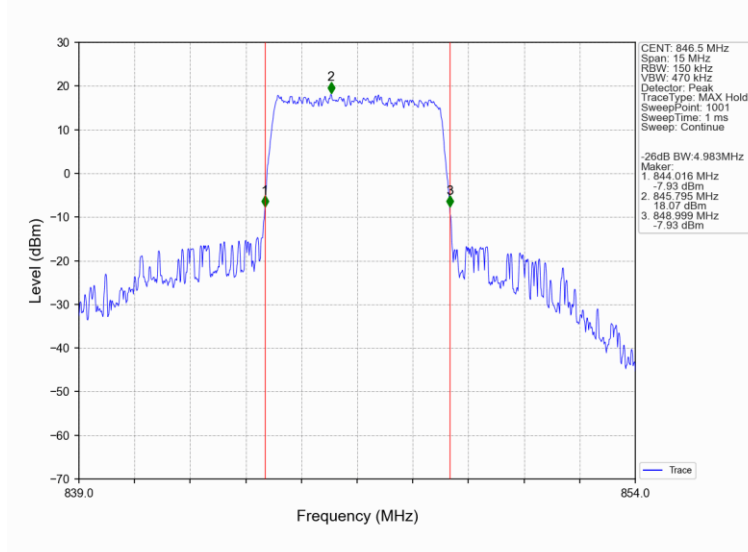
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



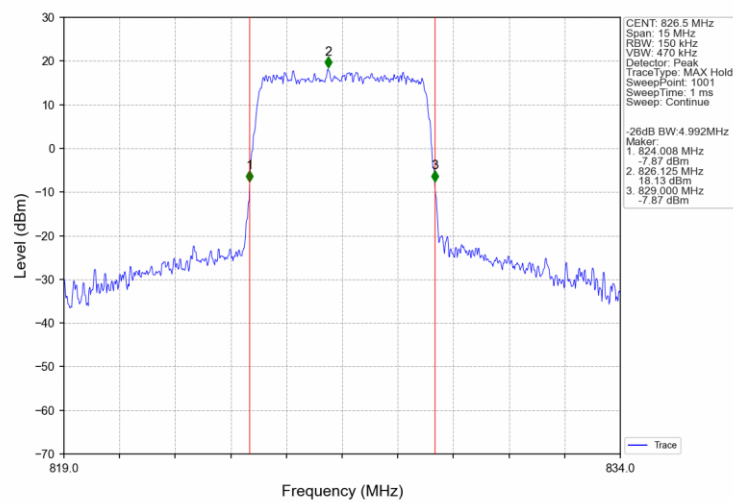
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



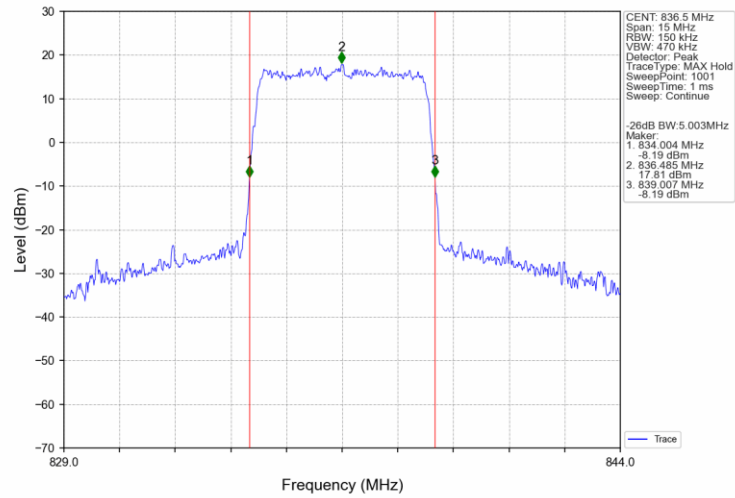
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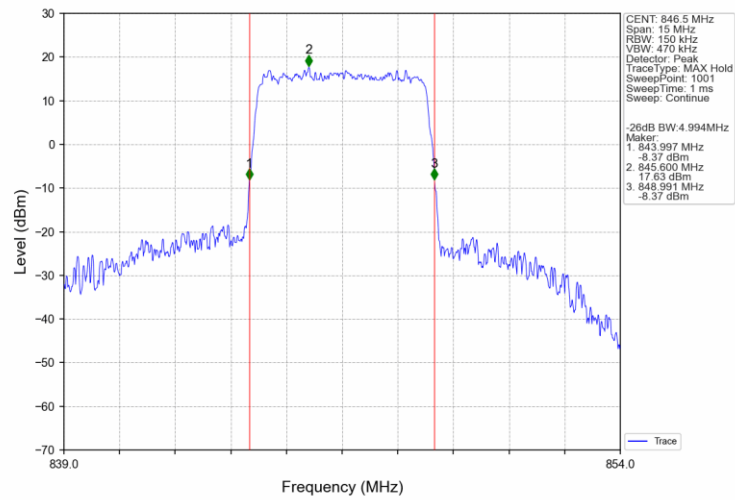
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



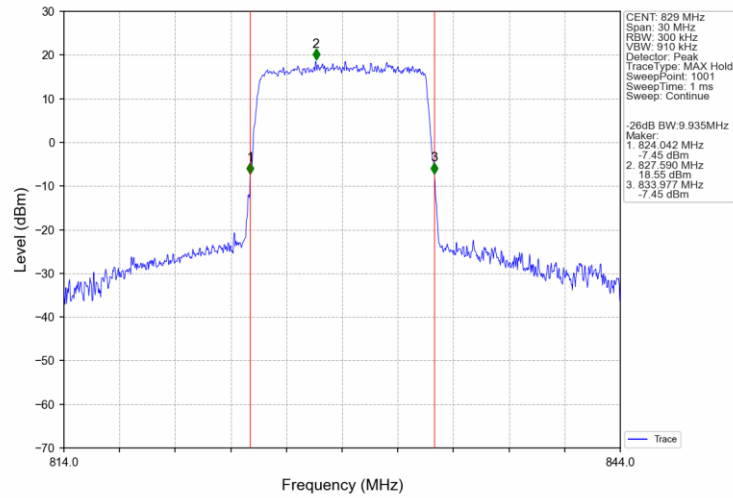
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



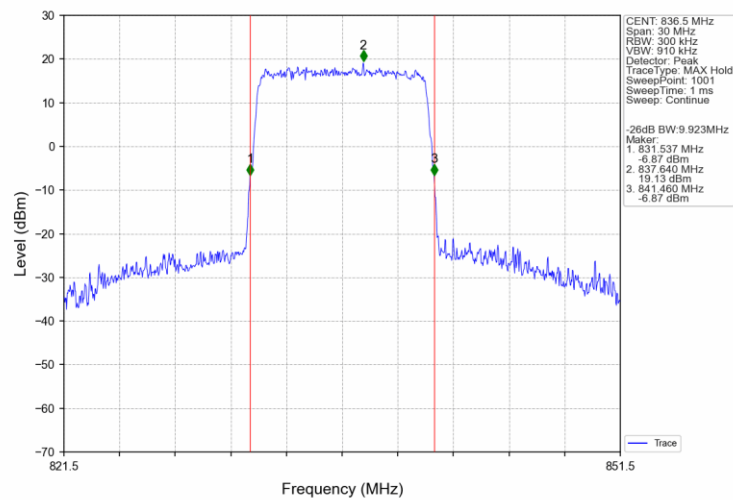
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



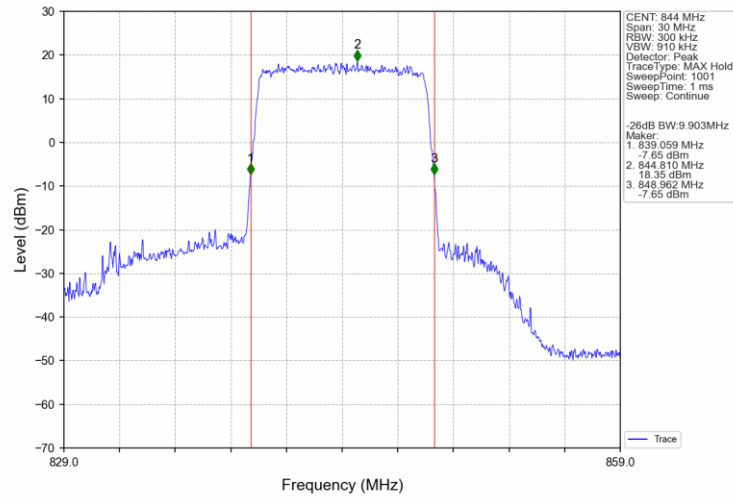
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



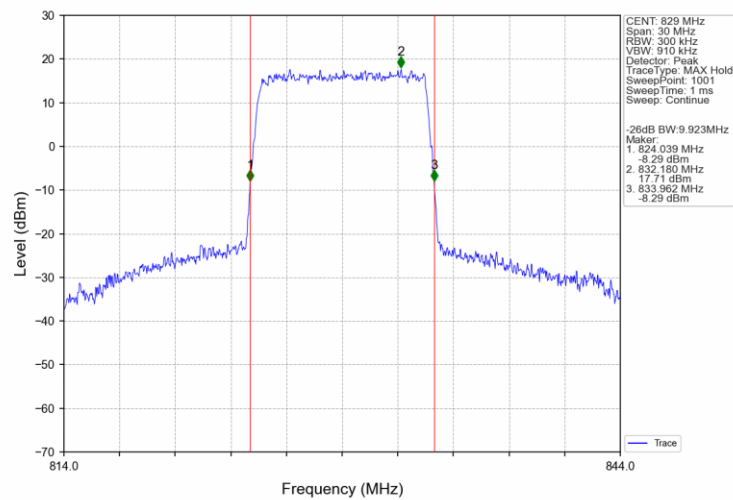
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



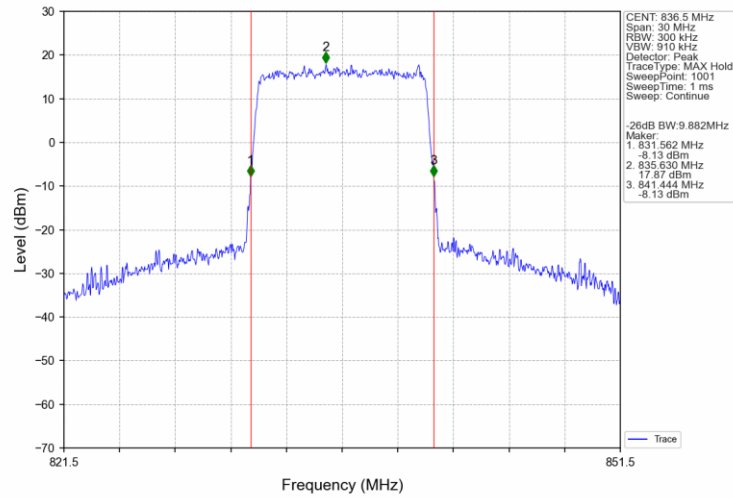
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



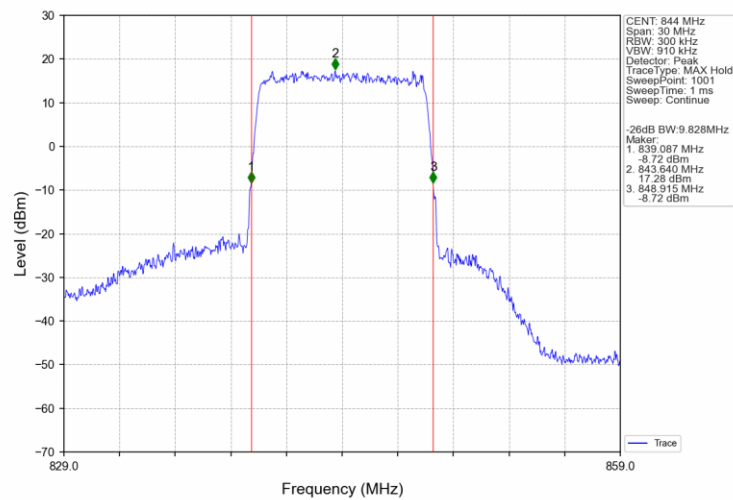
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



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	5.90	<=13	Pass
	836.5	6	0	5.78	<=13	Pass
	848.3	6	0	5.66	<=13	Pass
16QAM	824.7	6	0	6.63	<=13	Pass
	836.5	6	0	6.58	<=13	Pass
	848.3	6	0	6.40	<=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	5.76	<=13	Pass
	836.5	15	0	5.68	<=13	Pass
	847.5	15	0	5.59	<=13	Pass
16QAM	825.5	15	0	6.59	<=13	Pass
	836.5	15	0	6.56	<=13	Pass
	847.5	15	0	6.39	<=13	Pass

5.1.3 B5_5MHz

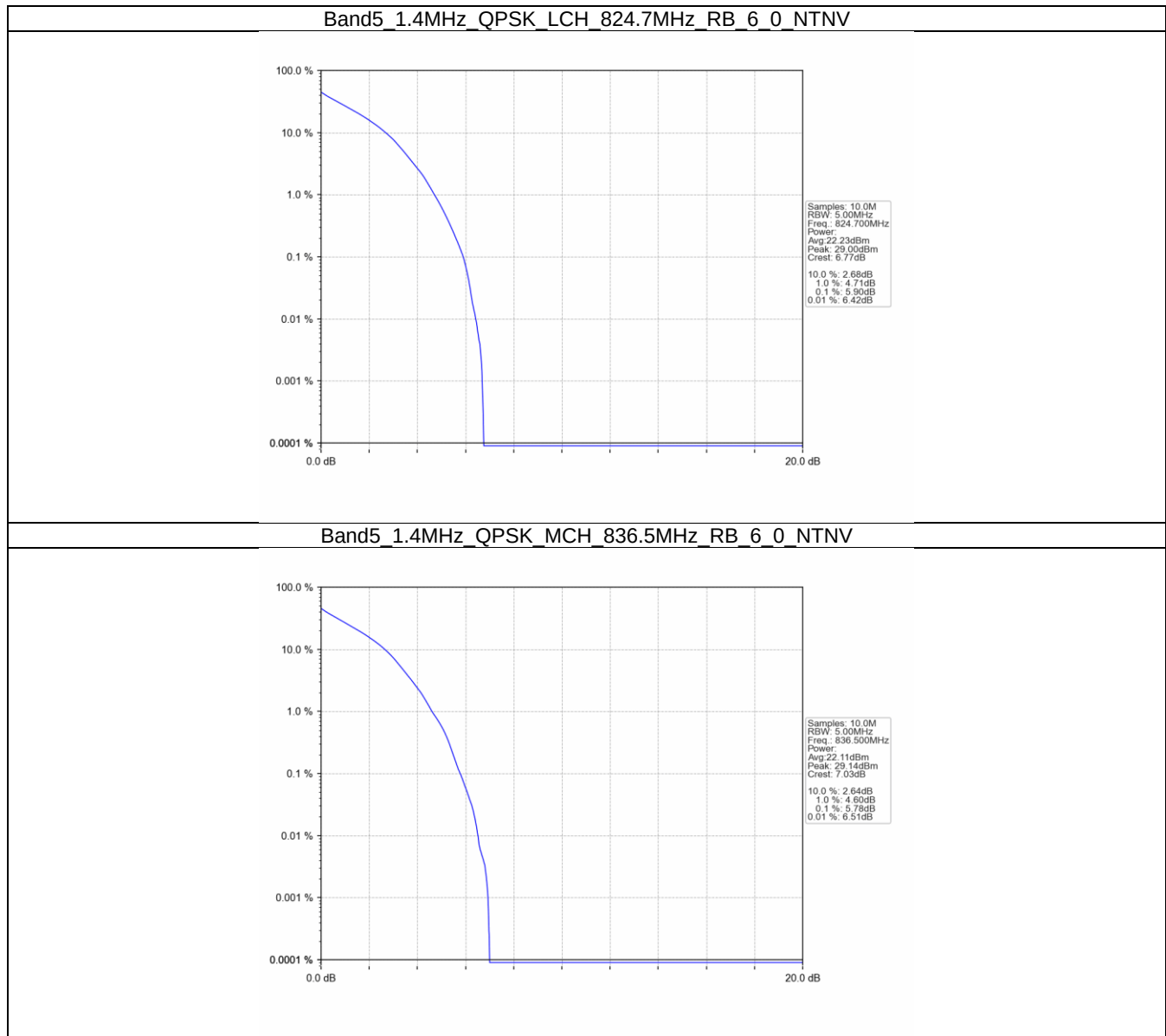
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.84	<=13	Pass
	836.5	25	0	5.81	<=13	Pass
	846.5	25	0	5.66	<=13	Pass
16QAM	826.5	25	0	6.52	<=13	Pass
	836.5	25	0	6.54	<=13	Pass
	846.5	25	0	6.36	<=13	Pass

5.1.4 B5_10MHz

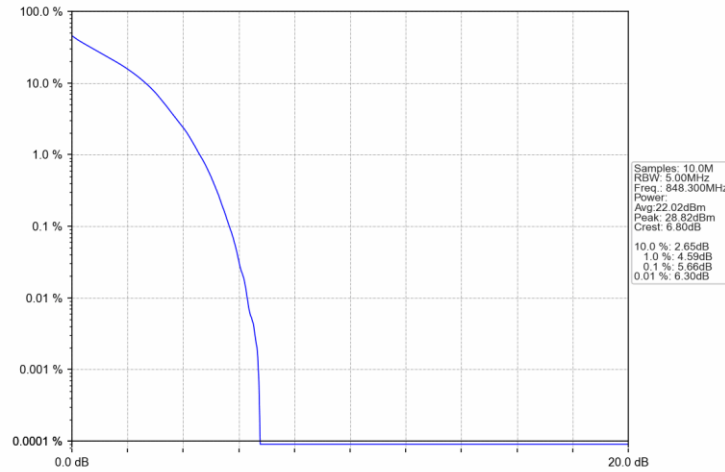
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.72	<=13	Pass
	836.5	50	0	5.72	<=13	Pass
	844	50	0	5.61	<=13	Pass
16QAM	829	50	0	6.46	<=13	Pass
	836.5	50	0	6.50	<=13	Pass
	844	50	0	6.41	<=13	Pass

5.2 Test Graph

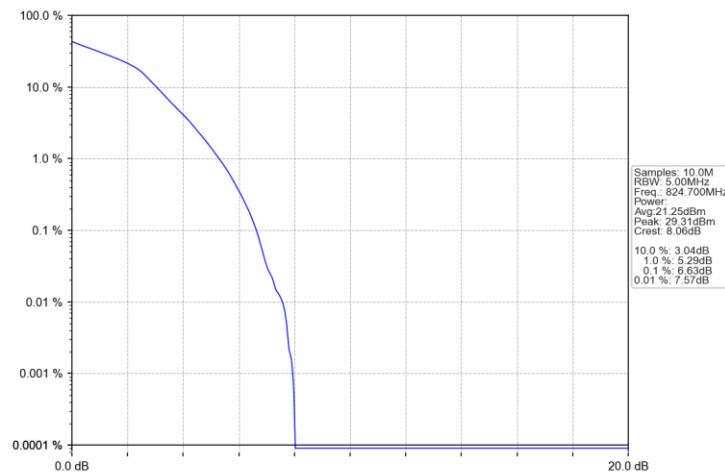
5.2.1 B5_1.4MHz



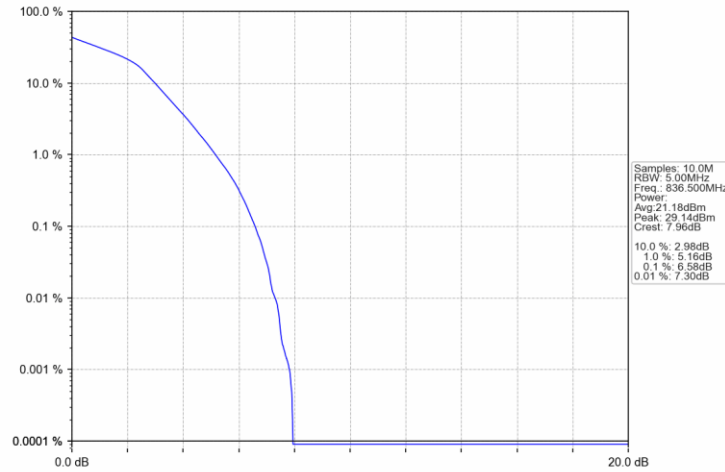
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



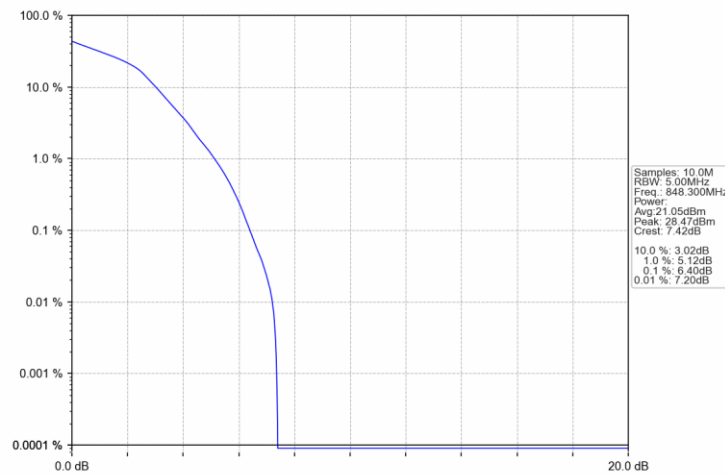
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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

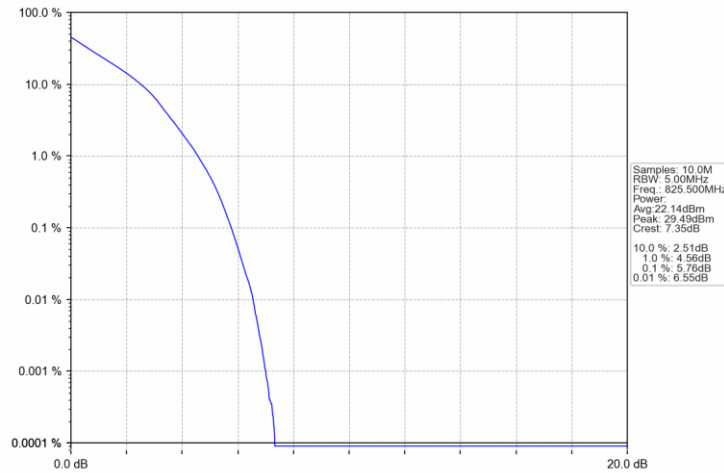


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV



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

