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	22.74	0.53	21.12	<=34.77	Pass
			2	22.85	0.53	21.23	<=34.77	Pass
			5	22.76	0.53	21.14	<=34.77	Pass
		3	0	22.78	0.53	21.16	<=34.77	Pass
			2	22.86	0.53	21.24	<=34.77	Pass
			3	22.85	0.53	21.23	<=34.77	Pass
		6	0	21.81	0.53	20.19	<=34.77	Pass
	836.5	1	0	22.72	0.53	21.10	<=34.77	Pass
			2	22.88	0.53	21.26	<=34.77	Pass
			5	22.74	0.53	21.12	<=34.77	Pass
		3	0	22.91	0.53	21.29	<=34.77	Pass
			2	22.88	0.53	21.26	<=34.77	Pass
			3	22.84	0.53	21.22	<=34.77	Pass
		6	0	21.86	0.53	20.24	<=34.77	Pass
	848.3	1	0	22.67	0.53	21.05	<=34.77	Pass
			2	22.74	0.53	21.12	<=34.77	Pass
			5	22.61	0.53	20.99	<=34.77	Pass
		3	0	22.80	0.53	21.18	<=34.77	Pass
			2	22.83	0.53	21.21	<=34.77	Pass
			3	22.81	0.53	21.19	<=34.77	Pass
		6	0	21.78	0.53	20.16	<=34.77	Pass
16QAM	824.7	1	0	21.78	0.53	20.16	<=34.77	Pass
			2	21.87	0.53	20.25	<=34.77	Pass
			5	21.83	0.53	20.21	<=34.77	Pass
		3	0	21.95	0.53	20.33	<=34.77	Pass
			2	21.93	0.53	20.31	<=34.77	Pass
			3	21.94	0.53	20.32	<=34.77	Pass
		6	0	20.77	0.53	19.15	<=34.77	Pass
	836.5	1	0	21.99	0.53	20.37	<=34.77	Pass
			2	22.06	0.53	20.44	<=34.77	Pass
			5	21.97	0.53	20.35	<=34.77	Pass
		3	0	21.89	0.53	20.27	<=34.77	Pass
			2	21.90	0.53	20.28	<=34.77	Pass
			3	21.88	0.53	20.26	<=34.77	Pass
		6	0	20.86	0.53	19.24	<=34.77	Pass
	848.3	1	0	21.72	0.53	20.10	<=34.77	Pass
			2	21.83	0.53	20.21	<=34.77	Pass
			5	21.70	0.53	20.08	<=34.77	Pass
		3	0	22.00	0.53	20.38	<=34.77	Pass
			2	22.05	0.53	20.43	<=34.77	Pass
			3	22.00	0.53	20.38	<=34.77	Pass
		6	0	20.81	0.53	19.19	<=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	22.79	0.53	21.17	<=34.77	Pass
			7	22.95	0.53	21.33	<=34.77	Pass
			14	22.78	0.53	21.16	<=34.77	Pass
		8	0	21.83	0.53	20.21	<=34.77	Pass
			4	21.90	0.53	20.28	<=34.77	Pass
			7	21.86	0.53	20.24	<=34.77	Pass
		15	0	21.86	0.53	20.24	<=34.77	Pass
	836.5	1	0	22.90	0.53	21.28	<=34.77	Pass
			7	22.97	0.53	21.35	<=34.77	Pass
			14	22.82	0.53	21.20	<=34.77	Pass
		8	0	21.85	0.53	20.23	<=34.77	Pass
			4	21.89	0.53	20.27	<=34.77	Pass
			7	21.87	0.53	20.25	<=34.77	Pass
		15	0	21.86	0.53	20.24	<=34.77	Pass
	847.5	1	0	22.82	0.53	21.20	<=34.77	Pass
			7	22.95	0.53	21.33	<=34.77	Pass
			14	22.75	0.53	21.13	<=34.77	Pass
		8	0	21.85	0.53	20.23	<=34.77	Pass
			4	21.84	0.53	20.22	<=34.77	Pass
			7	21.79	0.53	20.17	<=34.77	Pass
		15	0	21.80	0.53	20.18	<=34.77	Pass
16QAM	825.5	1	0	22.43	0.53	20.81	<=34.77	Pass
			7	22.58	0.53	20.96	<=34.77	Pass
			14	22.35	0.53	20.73	<=34.77	Pass
		8	0	21.01	0.53	19.39	<=34.77	Pass
			4	21.08	0.53	19.46	<=34.77	Pass
			7	21.04	0.53	19.42	<=34.77	Pass
		15	0	20.93	0.53	19.31	<=34.77	Pass
	836.5	1	0	21.92	0.53	20.30	<=34.77	Pass
			7	22.00	0.53	20.38	<=34.77	Pass
			14	21.90	0.53	20.28	<=34.77	Pass
		8	0	20.94	0.53	19.32	<=34.77	Pass
			4	20.99	0.53	19.37	<=34.77	Pass
			7	20.93	0.53	19.31	<=34.77	Pass
		15	0	20.93	0.53	19.31	<=34.77	Pass
	847.5	1	0	21.94	0.53	20.32	<=34.77	Pass
			7	22.14	0.53	20.52	<=34.77	Pass
			14	21.95	0.53	20.33	<=34.77	Pass
		8	0	20.83	0.53	19.21	<=34.77	Pass
			4	20.84	0.53	19.22	<=34.77	Pass
			7	20.79	0.53	19.17	<=34.77	Pass
		15	0	20.80	0.53	19.18	<=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	22.69	0.53	21.07	<=34.77	Pass
			13	22.84	0.53	21.22	<=34.77	Pass
			24	22.74	0.53	21.12	<=34.77	Pass
		12	0	21.77	0.53	20.15	<=34.77	Pass
			6	21.89	0.53	20.27	<=34.77	Pass
			13	21.84	0.53	20.22	<=34.77	Pass
		25	0	21.84	0.53	20.22	<=34.77	Pass

	836.5	1	0	22.72	0.53	21.10	<=34.77	Pass
			13	22.84	0.53	21.22	<=34.77	Pass
			24	22.70	0.53	21.08	<=34.77	Pass
		12	0	21.78	0.53	20.16	<=34.77	Pass
			6	21.88	0.53	20.26	<=34.77	Pass
			13	21.82	0.53	20.20	<=34.77	Pass
		25	0	21.82	0.53	20.20	<=34.77	Pass
	846.5	1	0	22.67	0.53	21.05	<=34.77	Pass
			13	22.79	0.53	21.17	<=34.77	Pass
			24	22.65	0.53	21.03	<=34.77	Pass
		12	0	21.75	0.53	20.13	<=34.77	Pass
			6	21.85	0.53	20.23	<=34.77	Pass
			13	21.75	0.53	20.13	<=34.77	Pass
		25	0	21.73	0.53	20.11	<=34.77	Pass
16QAM	826.5	1	0	21.99	0.53	20.37	<=34.77	Pass
			13	22.16	0.53	20.54	<=34.77	Pass
			24	22.01	0.53	20.39	<=34.77	Pass
		12	0	20.85	0.53	19.23	<=34.77	Pass
			6	20.92	0.53	19.30	<=34.77	Pass
			13	20.86	0.53	19.24	<=34.77	Pass
		25	0	20.85	0.53	19.23	<=34.77	Pass
	836.5	1	0	21.60	0.53	19.98	<=34.77	Pass
			13	21.72	0.53	20.10	<=34.77	Pass
			24	21.60	0.53	19.98	<=34.77	Pass
		12	0	20.80	0.53	19.18	<=34.77	Pass
			6	20.90	0.53	19.28	<=34.77	Pass
			13	20.80	0.53	19.18	<=34.77	Pass
		25	0	20.88	0.53	19.26	<=34.77	Pass
	846.5	1	0	21.78	0.53	20.16	<=34.77	Pass
			13	21.97	0.53	20.35	<=34.77	Pass
			24	21.80	0.53	20.18	<=34.77	Pass
		12	0	20.71	0.53	19.09	<=34.77	Pass
			6	20.82	0.53	19.20	<=34.77	Pass
			13	20.76	0.53	19.14	<=34.77	Pass
		25	0	20.82	0.53	19.20	<=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	22.76	0.53	21.14	<=34.77	Pass
			25	22.91	0.53	21.29	<=34.77	Pass
			49	22.74	0.53	21.12	<=34.77	Pass
		25	0	21.90	0.53	20.28	<=34.77	Pass
			13	21.84	0.53	20.22	<=34.77	Pass
			25	21.81	0.53	20.19	<=34.77	Pass
		50	0	21.84	0.53	20.22	<=34.77	Pass
	836.5	1	0	22.79	0.53	21.17	<=34.77	Pass
			25	22.92	0.53	21.30	<=34.77	Pass
			49	22.75	0.53	21.13	<=34.77	Pass
		25	0	21.95	0.53	20.33	<=34.77	Pass
			13	21.90	0.53	20.28	<=34.77	Pass
			25	21.89	0.53	20.27	<=34.77	Pass
		50	0	21.94	0.53	20.32	<=34.77	Pass
	844	1	0	22.84	0.53	21.22	<=34.77	Pass
			25	22.93	0.53	21.31	<=34.77	Pass

			49	22.79	0.53	21.17	<=34.77	Pass
		25	0	21.78	0.53	20.16	<=34.77	Pass
			13	21.84	0.53	20.22	<=34.77	Pass
			25	21.83	0.53	20.21	<=34.77	Pass
		50	0	21.78	0.53	20.16	<=34.77	Pass
16QAM	829	1	0	21.91	0.53	20.29	<=34.77	Pass
			25	22.09	0.53	20.47	<=34.77	Pass
			49	22.02	0.53	20.40	<=34.77	Pass
		25	0	20.94	0.53	19.32	<=34.77	Pass
			13	20.89	0.53	19.27	<=34.77	Pass
			25	20.91	0.53	19.29	<=34.77	Pass
		50	0	20.88	0.53	19.26	<=34.77	Pass
	836.5	1	0	22.50	0.53	20.88	<=34.77	Pass
			25	22.55	0.53	20.93	<=34.77	Pass
			49	22.39	0.53	20.77	<=34.77	Pass
		25	0	21.03	0.53	19.41	<=34.77	Pass
			13	20.98	0.53	19.36	<=34.77	Pass
			25	20.98	0.53	19.36	<=34.77	Pass
		50	0	20.95	0.53	19.33	<=34.77	Pass
	844	1	0	21.82	0.53	20.20	<=34.77	Pass
			25	21.91	0.53	20.29	<=34.77	Pass
			49	21.83	0.53	20.21	<=34.77	Pass
		25	0	20.88	0.53	19.26	<=34.77	Pass
			13	20.96	0.53	19.34	<=34.77	Pass
			25	20.96	0.53	19.34	<=34.77	Pass
		50	0	20.82	0.53	19.20	<=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	-17.080	-0.0207	-2.5 to 2.5	Pass
					3.85	-9.441	-0.0114	-2.5 to 2.5	Pass
					4.43	-9.098	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-10.543	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-8.440	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-5.522	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-7.367	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-5.379	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-7.896	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.591	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.896	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-7.825	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-5.465	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-9.284	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0083	-2.5 to 2.5	Pass

				30	3.85	-6.695	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-3.762	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-6.495	-0.0078	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-1.216	-0.0014	-2.5 to 2.5	Pass
					3.85	-6.609	-0.0078	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-7.181	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-9.456	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-9.027	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-9.427	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-2.446	-0.0029	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-6.838	-0.0083	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0062	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-7.510	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-6.437	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-7.639	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.509	-0.0078	-2.5 to 2.5	Pass
					3.85	-6.294	-0.0075	-2.5 to 2.5	Pass
					4.43	-6.495	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-11.230	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.262	-0.0038	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-4.449	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-7.753	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0089	-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	-11.787	-0.0143	-2.5 to 2.5	Pass
					3.85	-4.964	-0.0060	-2.5 to 2.5	Pass
					4.43	-7.024	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-7.739	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0088	-2.5 to 2.5	Pass

				-10	3.85	-7.396	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-8.154	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-7.825	-0.0095	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-5.994	-0.0072	-2.5 to 2.5	Pass
					3.85	-8.039	-0.0096	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-7.396	-0.0088	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-4.663	-0.0055	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0094	-2.5 to 2.5	Pass
					4.43	-8.082	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-10.099	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-7.496	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-4.463	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-6.180	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0079	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-5.980	-0.0072	-2.5 to 2.5	Pass
					3.85	-8.440	-0.0102	-2.5 to 2.5	Pass
					4.43	-4.263	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-4.950	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-9.170	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-9.084	-0.0110	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.721	-0.0056	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
					4.43	-8.426	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-9.341	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-3.347	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	-7.224	-0.0086	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-2.689	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0043	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.389	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-9.127	-0.0108	-2.5 to 2.5	Pass

				40	3.85	-7.024	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-10.400	-0.0126	-2.5 to 2.5	Pass
					3.85	-10.314	-0.0125	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-8.411	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-9.828	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-10.099	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-7.095	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-12.145	-0.0147	-2.5 to 2.5	Pass
				50	3.85	-9.570	-0.0116	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-6.423	-0.0077	-2.5 to 2.5	Pass
					3.85	-9.913	-0.0119	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-8.569	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0066	-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	-7.567	-0.0089	-2.5 to 2.5	Pass
					3.85	-8.397	-0.0099	-2.5 to 2.5	Pass
					4.43	-8.297	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-8.068	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-5.164	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-7.939	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-6.194	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-8.082	-0.0095	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-6.194	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-11.516	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-9.398	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-11.373	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-11.530	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-7.238	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0061	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-7.854	-0.0094	-2.5 to 2.5	Pass
					3.85	-6.108	-0.0073	-2.5 to 2.5	Pass
					4.43	-6.280	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-9.928	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-7.296	-0.0087	-2.5 to 2.5	Pass

				0	3.85	-8.554	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-8.011	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-8.254	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-8.168	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-7.496	-0.0090	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-8.268	-0.0098	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.954	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.755	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-11.516	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0055	-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	-7.954	-0.0096	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
					4.43	-12.088	-0.0146	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-6.852	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-9.298	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.482	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-9.327	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-11.258	-0.0136	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-5.493	-0.0066	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-9.985	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-7.067	-0.0084	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-3.948	-0.0047	-2.5 to 2.5	Pass
					3.85	-10.343	-0.0123	-2.5 to 2.5	Pass
					4.43	-10.529	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-11.172	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-12.131	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-12.217	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-10.386	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-2.475	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-7.854	-0.0095	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0083	-2.5 to 2.5	Pass

				-30	3.85	-10.185	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-10.829	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-10.271	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-4.063	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0054	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-3.905	-0.0047	-2.5 to 2.5	Pass
					3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.377	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0060	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.234	-0.0050	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0073	-2.5 to 2.5	Pass
					4.43	-8.183	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-6.609	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-5.908	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0061	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV

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

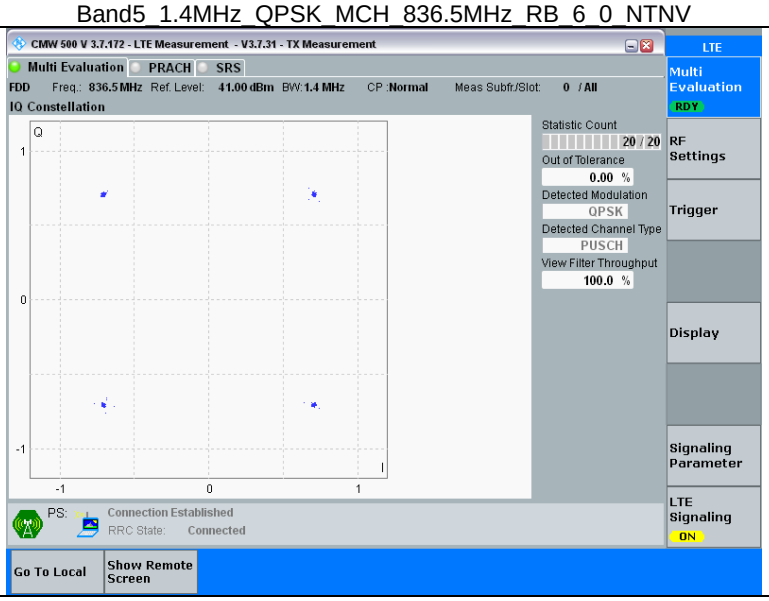
3.1.4 B5_10MHz

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

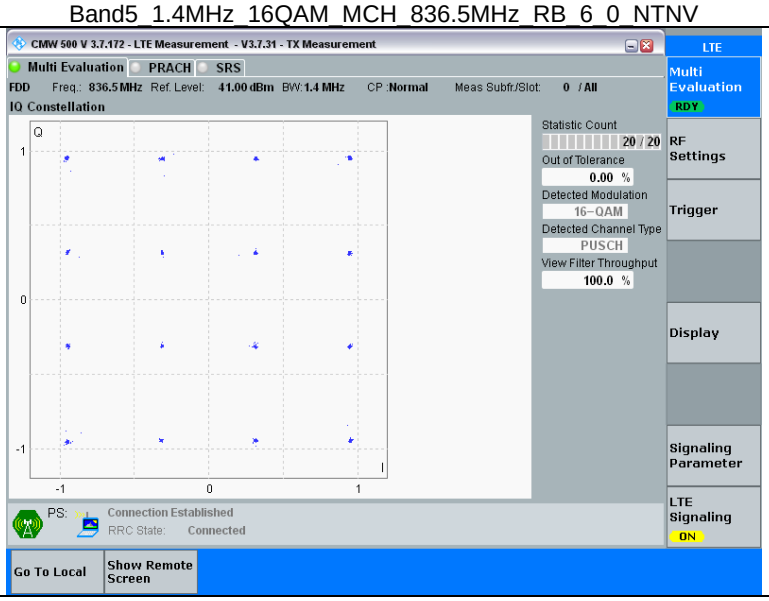
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

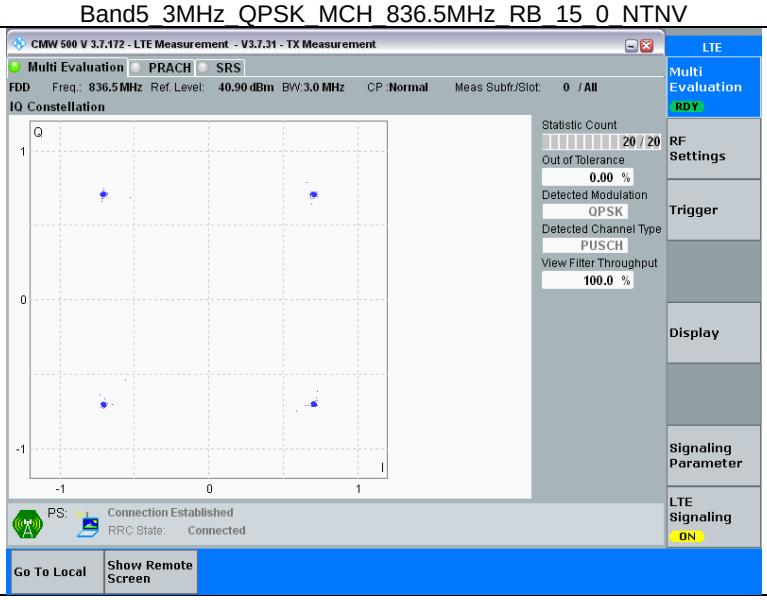


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

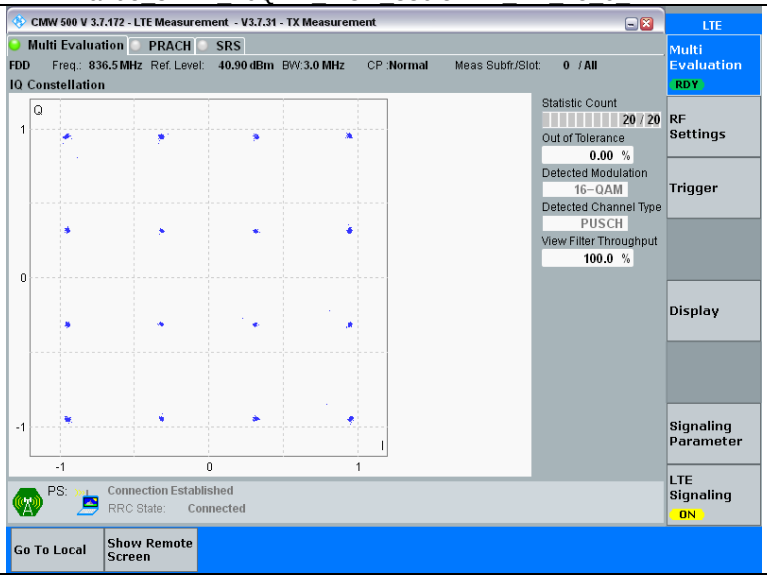


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

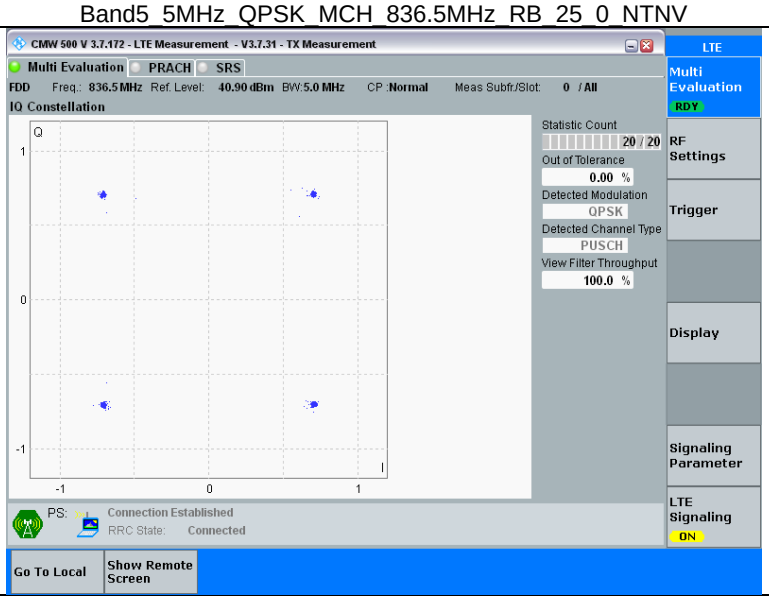


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

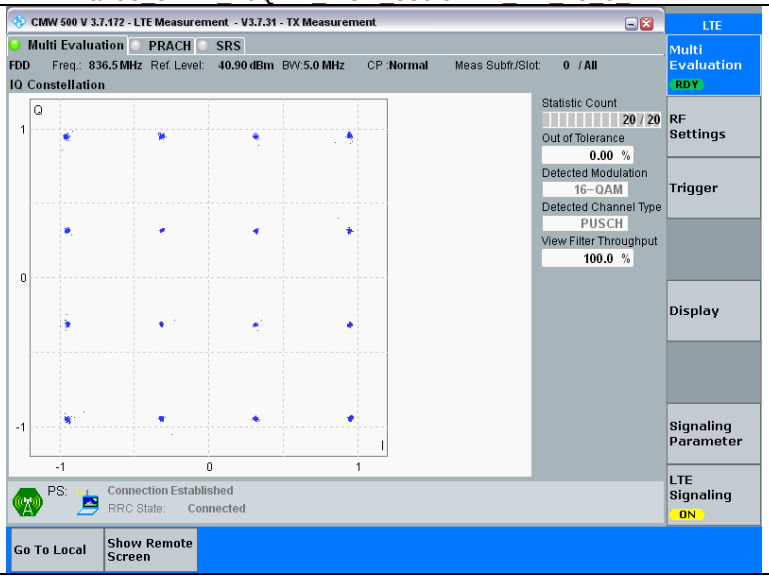


3.2.3 B5_5MHz

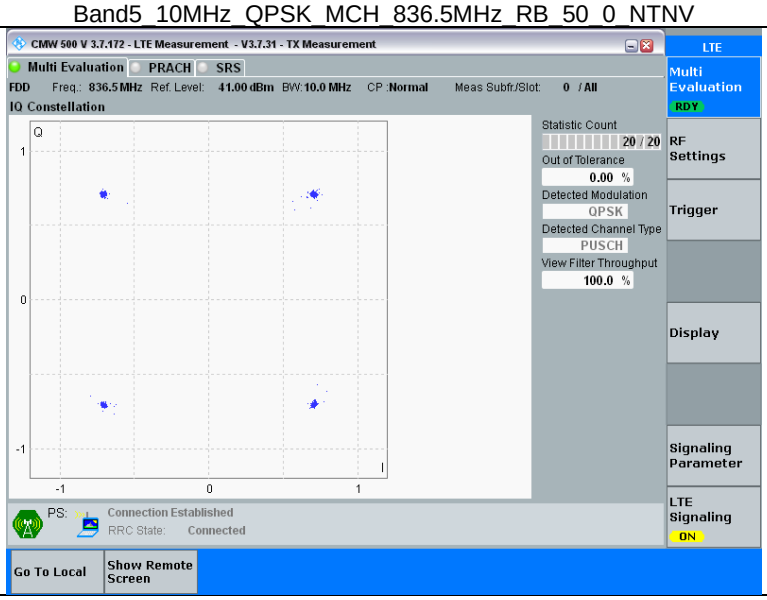
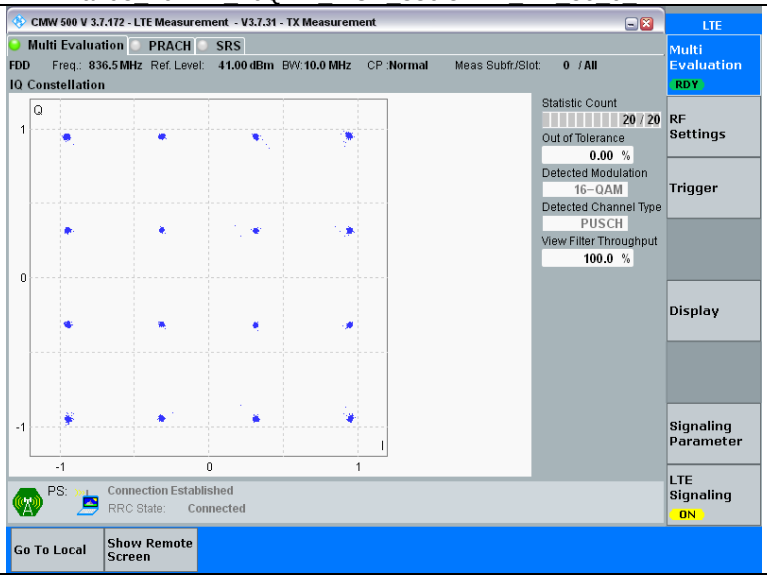
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



3.2.4 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.120	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.122	/	Pass
	16QAM	824.7	6	0	1.111	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.111	/	Pass
3	QPSK	825.5	15	0	2.726	/	Pass
		836.5	15	0	2.727	/	Pass
		847.5	15	0	2.725	/	Pass
	16QAM	825.5	15	0	2.727	/	Pass
		836.5	15	0	2.715	/	Pass
		847.5	15	0	2.716	/	Pass
5	QPSK	826.5	25	0	4.545	/	Pass
		836.5	25	0	4.530	/	Pass
		846.5	25	0	4.534	/	Pass
	16QAM	826.5	25	0	4.531	/	Pass
		836.5	25	0	4.535	/	Pass
		846.5	25	0	4.538	/	Pass
10	QPSK	829	50	0	9.054	/	Pass
		836.5	50	0	9.074	/	Pass
		844	50	0	9.039	/	Pass
	16QAM	829	50	0	9.043	/	Pass
		836.5	50	0	9.061	/	Pass
		844	50	0	9.045	/	Pass

4.1.2 Band5_XDB

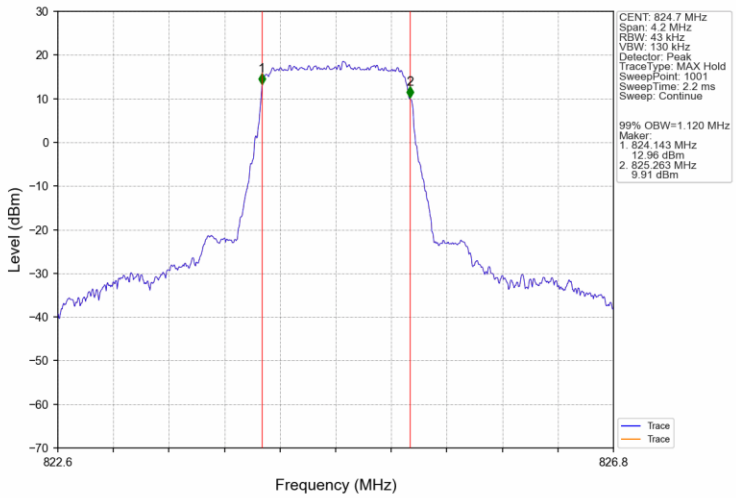
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.305	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.310	/	Pass
	16QAM	824.7	6	0	1.310	/	Pass
		836.5	6	0	1.321	/	Pass
		848.3	6	0	1.324	/	Pass
3	QPSK	825.5	15	0	3.005	/	Pass
		836.5	15	0	3.010	/	Pass
		847.5	15	0	2.981	/	Pass
	16QAM	825.5	15	0	2.995	/	Pass
		836.5	15	0	2.992	/	Pass
		847.5	15	0	2.992	/	Pass
5	QPSK	826.5	25	0	4.977	/	Pass
		836.5	25	0	5.013	/	Pass
		846.5	25	0	5.013	/	Pass

	16QAM	826.5	25	0	5.004	/	Pass
		836.5	25	0	5.010	/	Pass
		846.5	25	0	4.990	/	Pass
10	QPSK	829	50	0	9.926	/	Pass
		836.5	50	0	9.985	/	Pass
		844	50	0	9.962	/	Pass
	16QAM	829	50	0	9.873	/	Pass
		836.5	50	0	9.894	/	Pass
		844	50	0	9.898	/	Pass

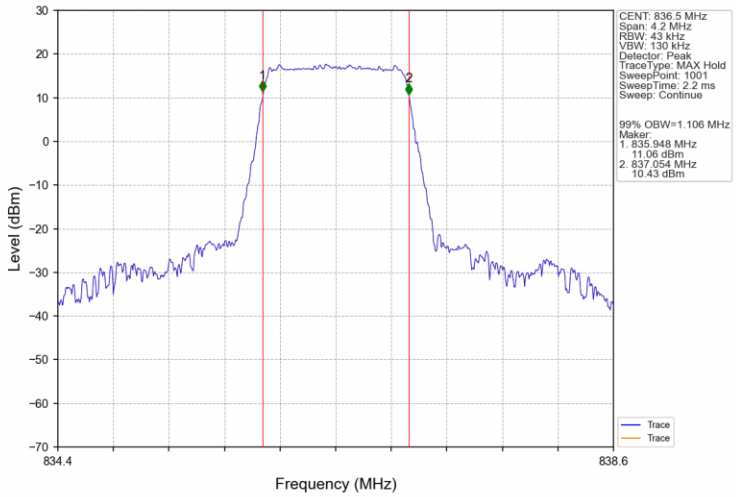
4.2 Test Graph

4.2.1 Band5_OBW

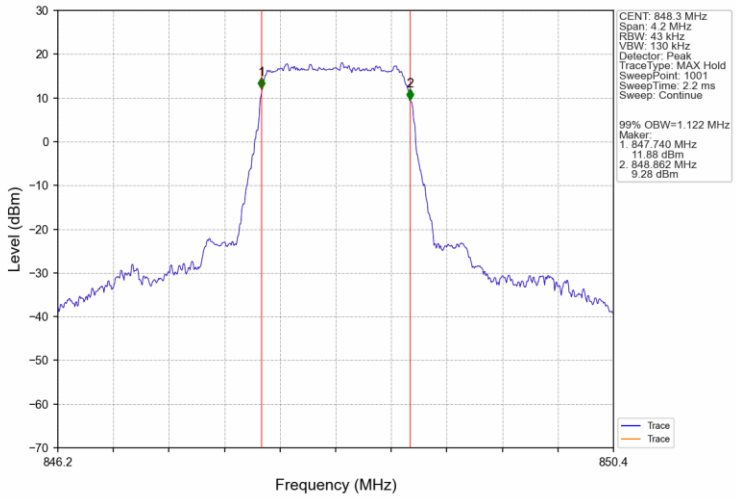
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



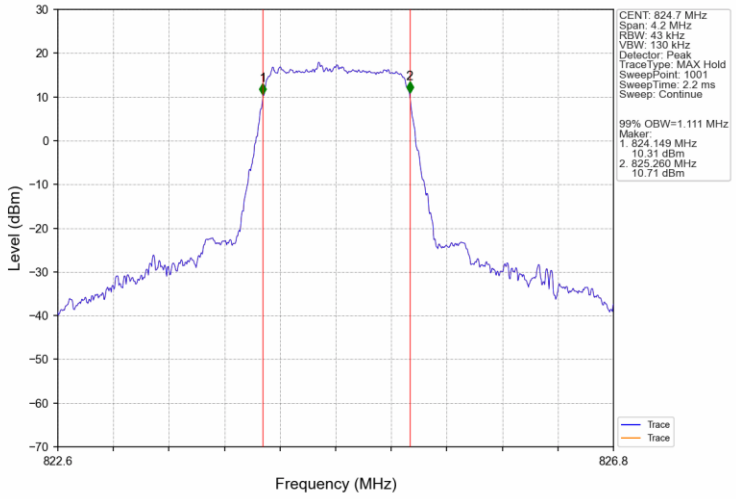
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



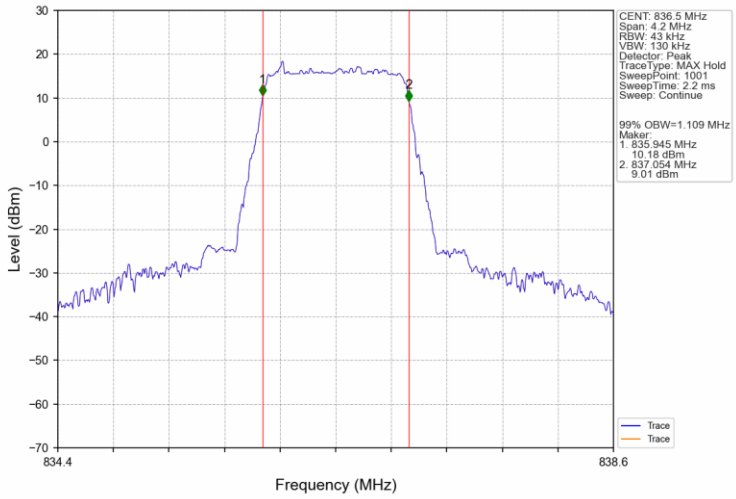
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



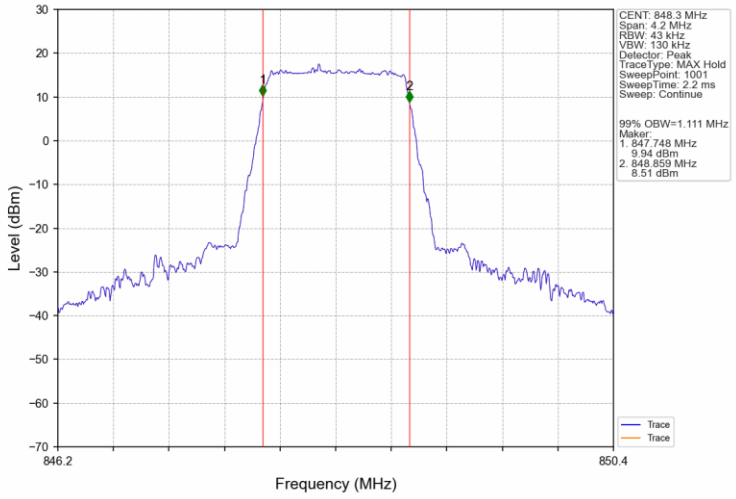
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



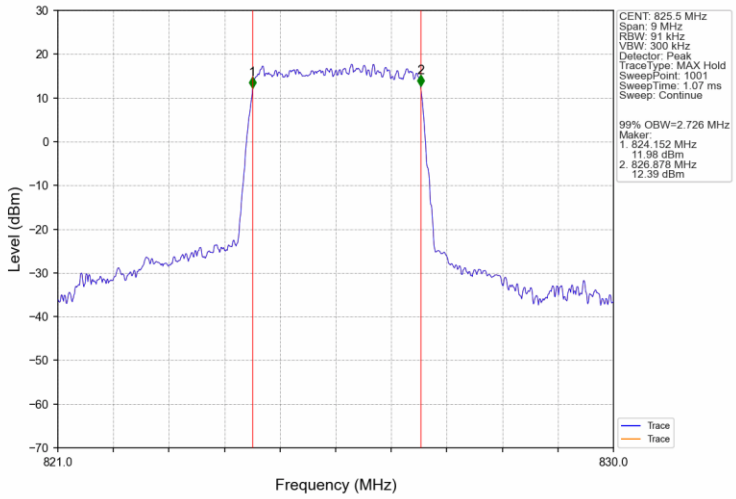
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



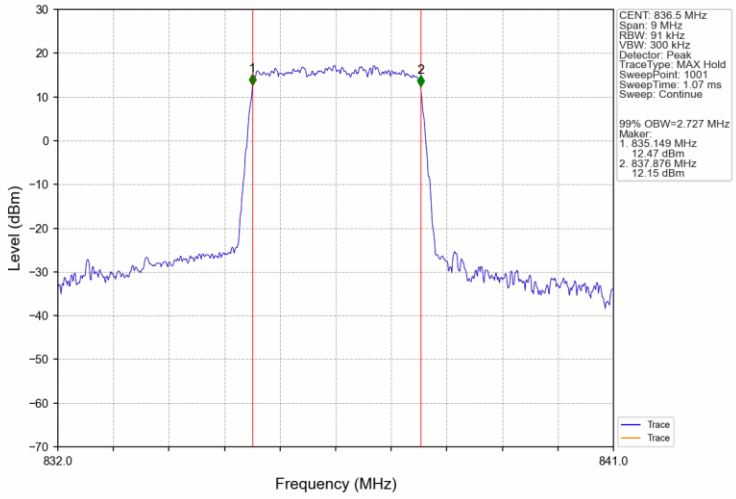
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



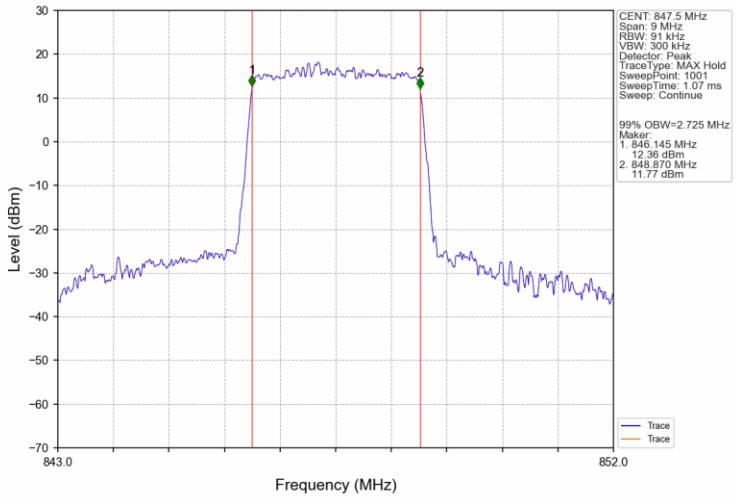
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



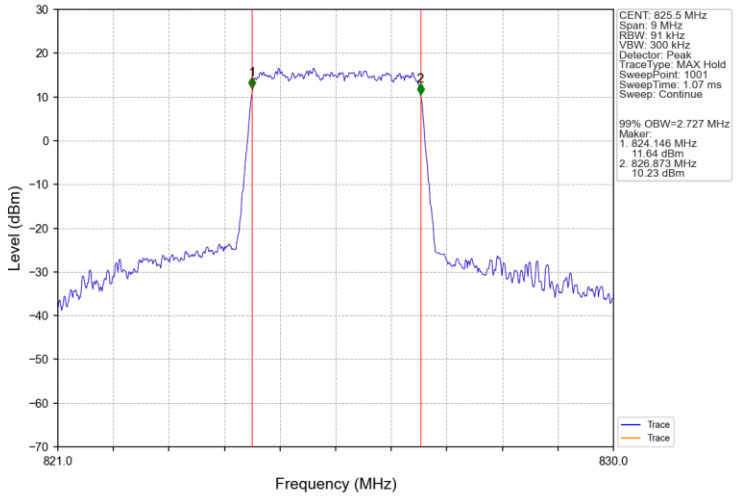
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



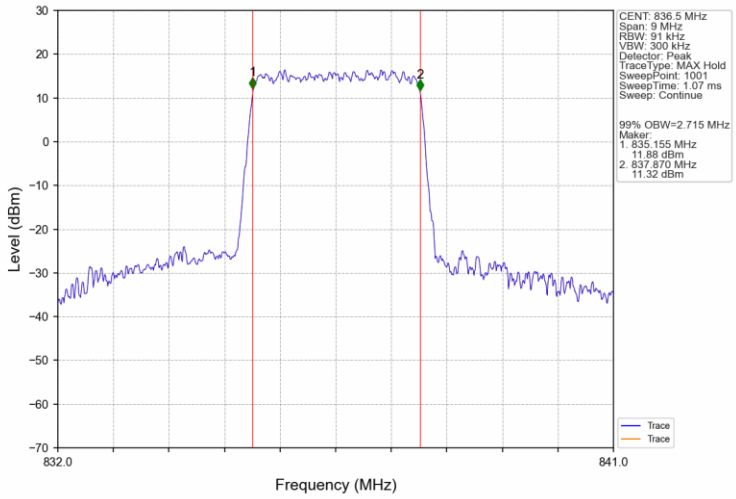
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



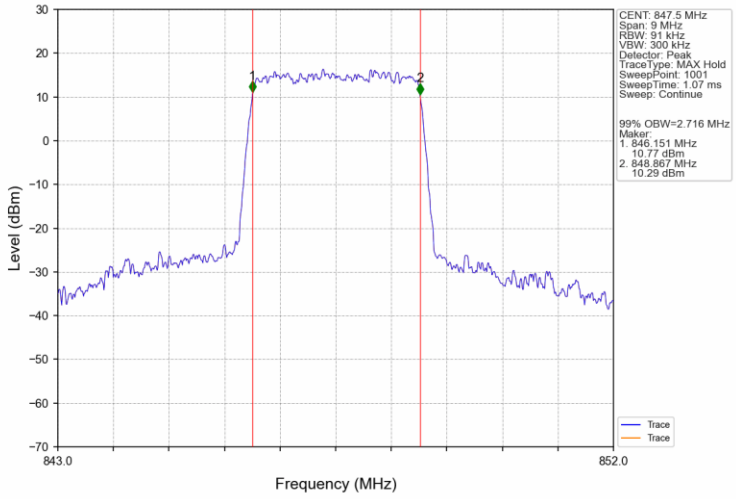
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



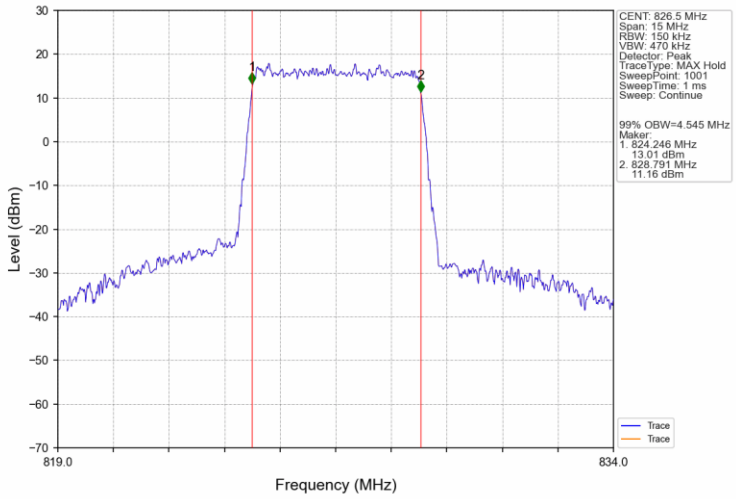
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



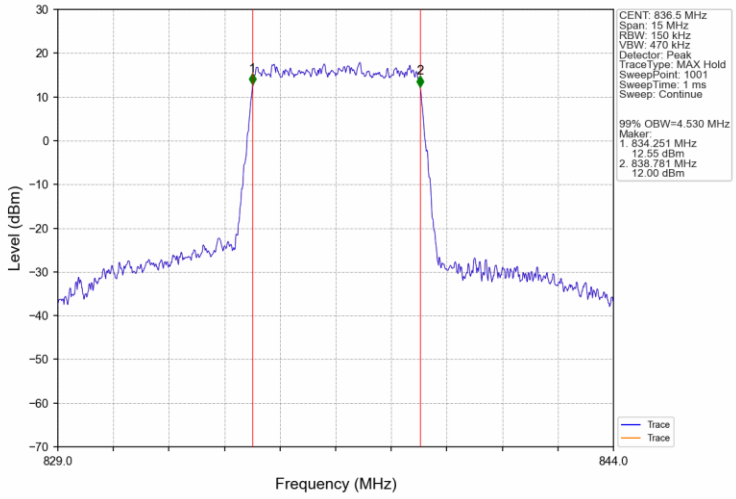
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



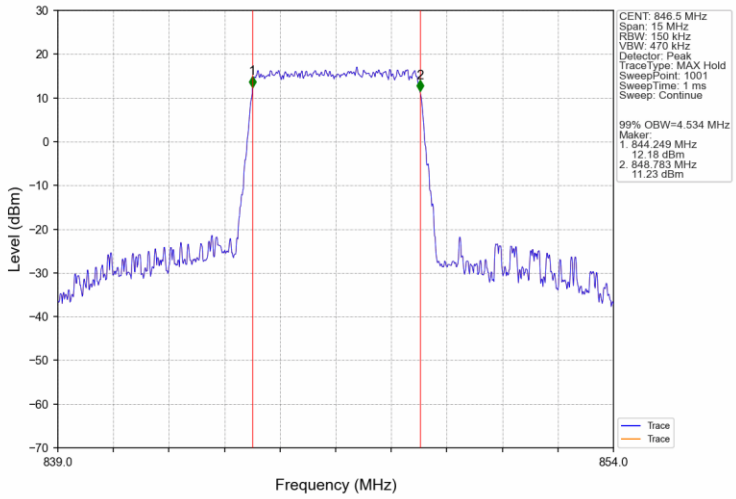
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



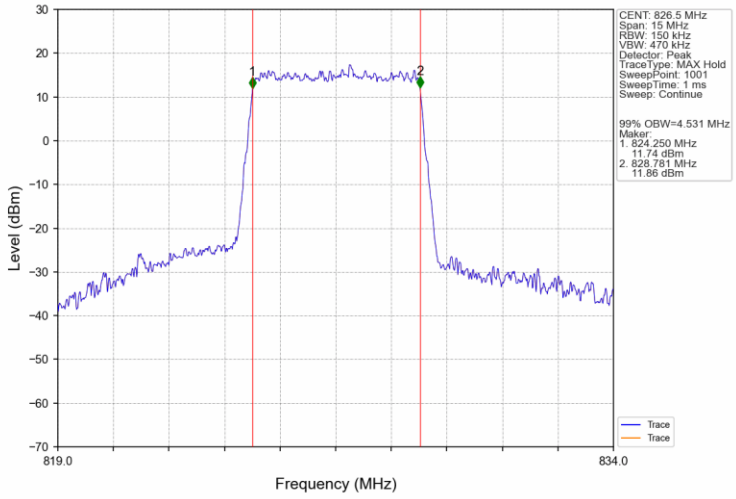
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



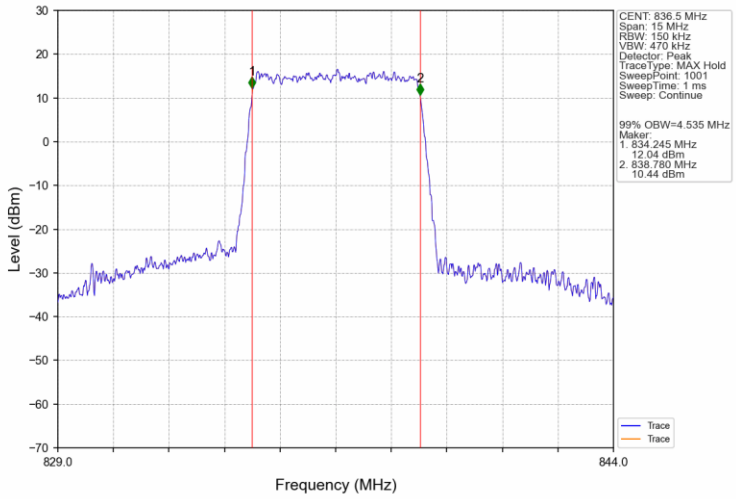
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



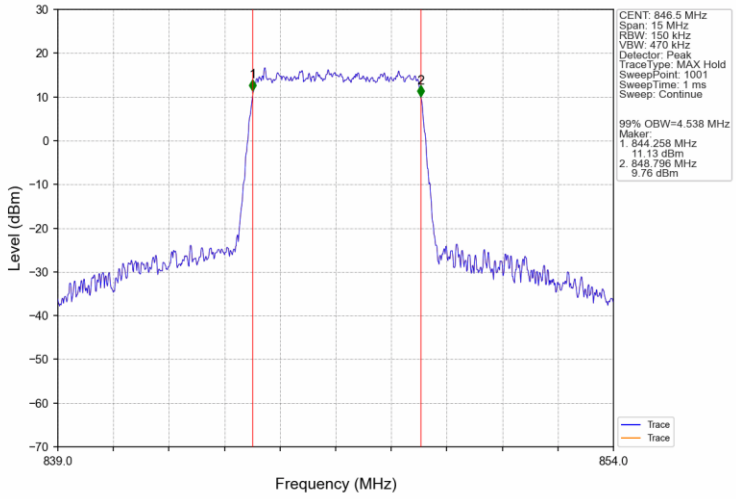
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



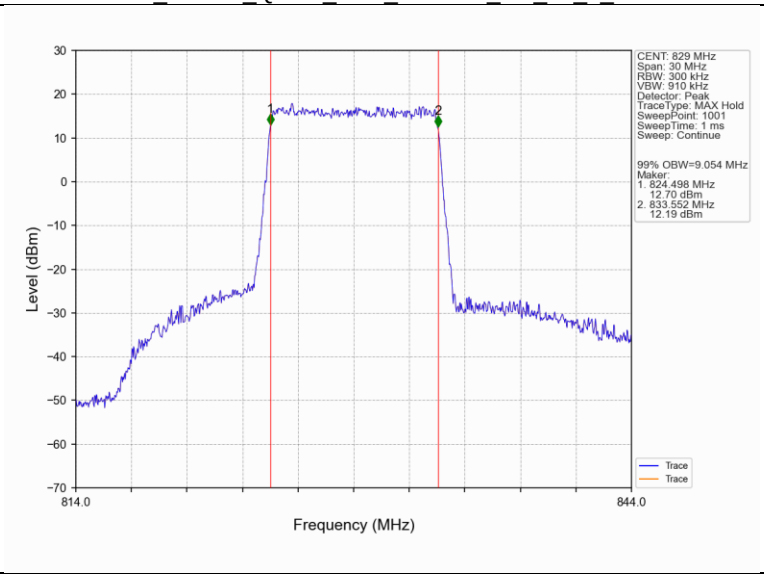
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



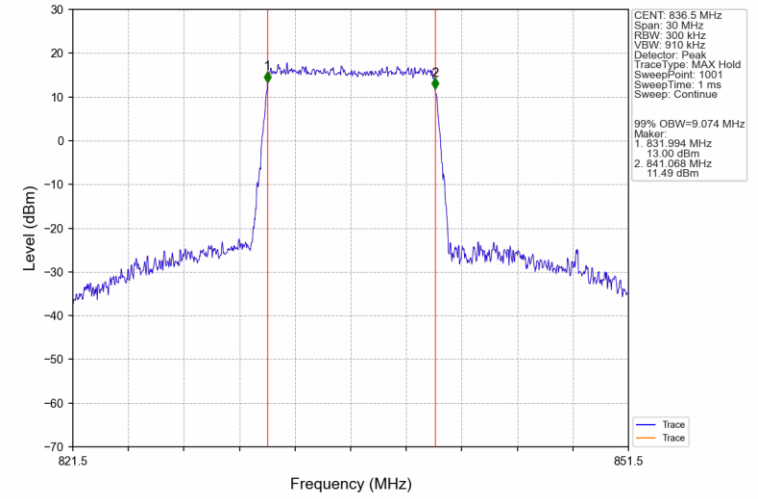
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



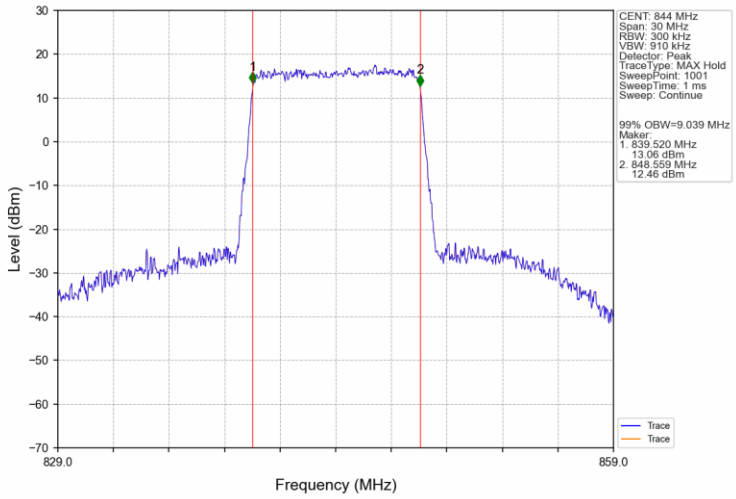
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



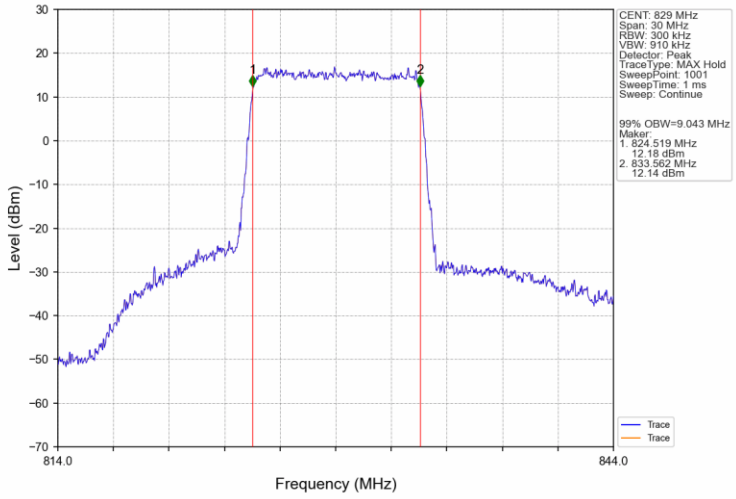
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



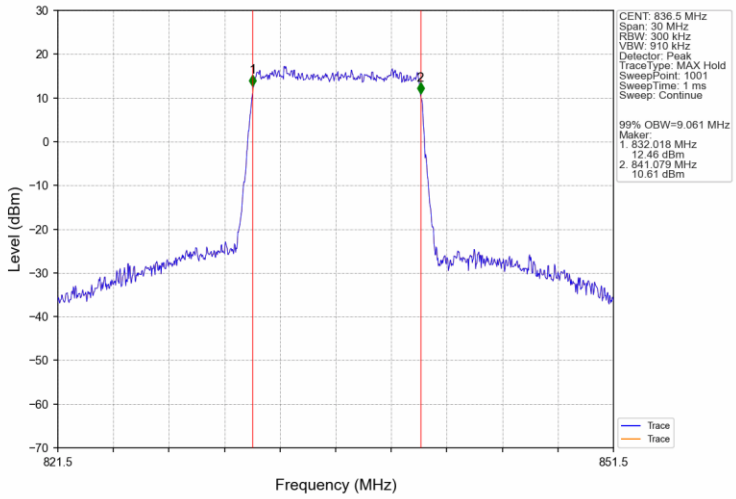
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



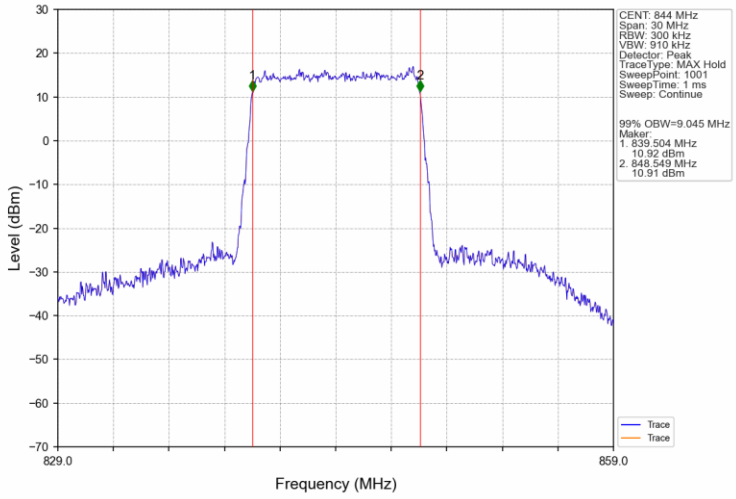
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

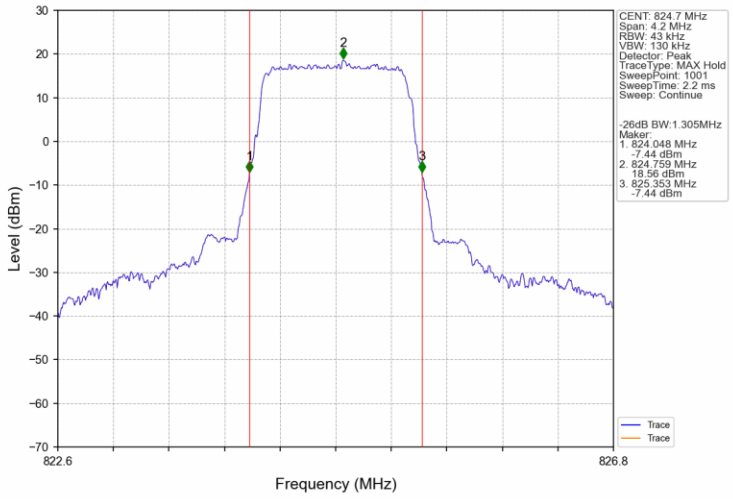


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

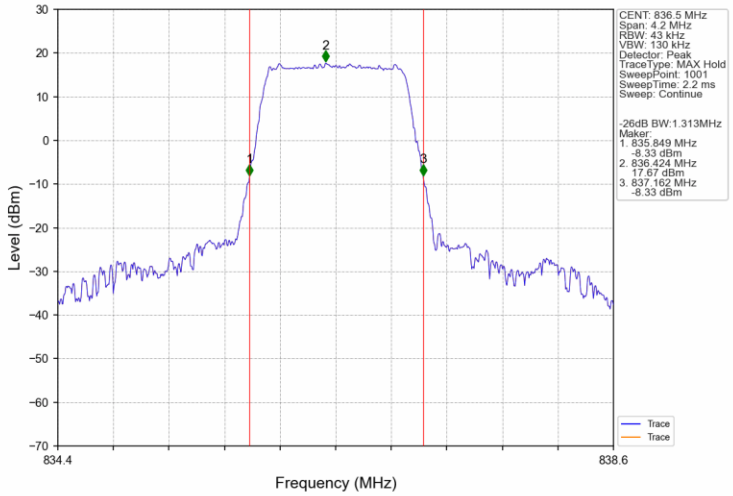


4.2.2 Band5_XDB

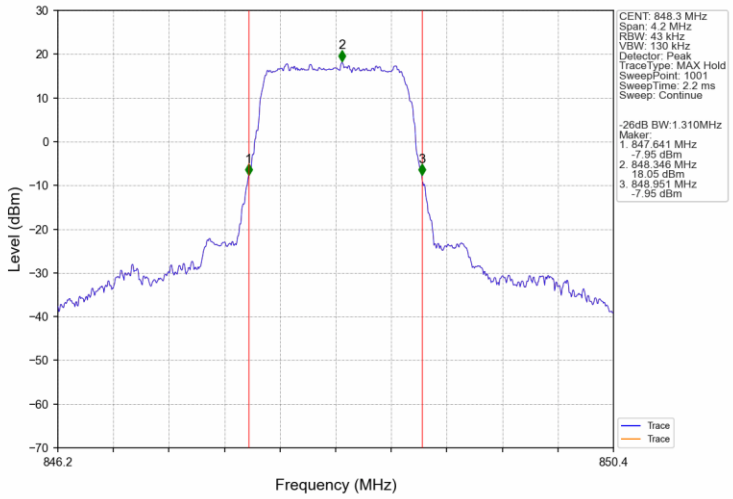
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



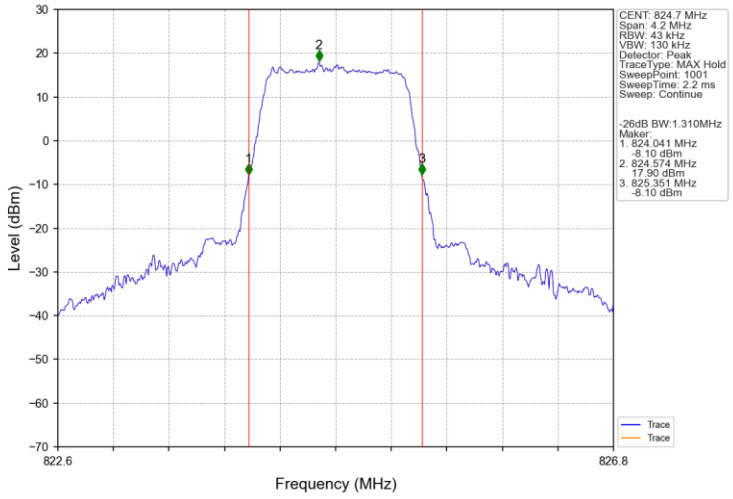
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



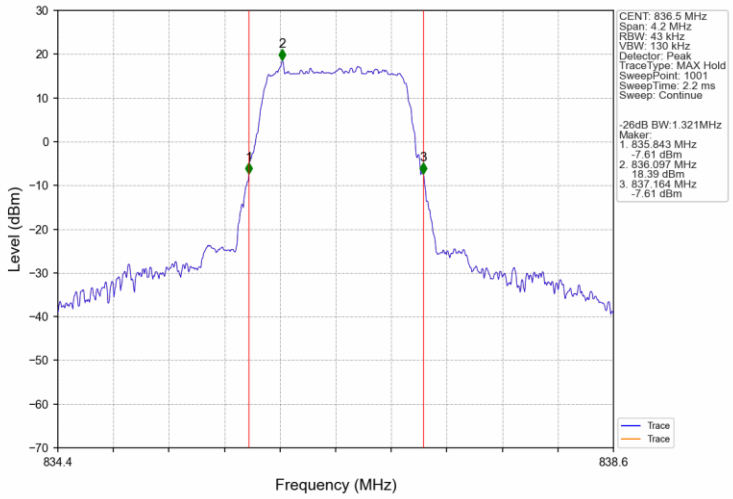
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



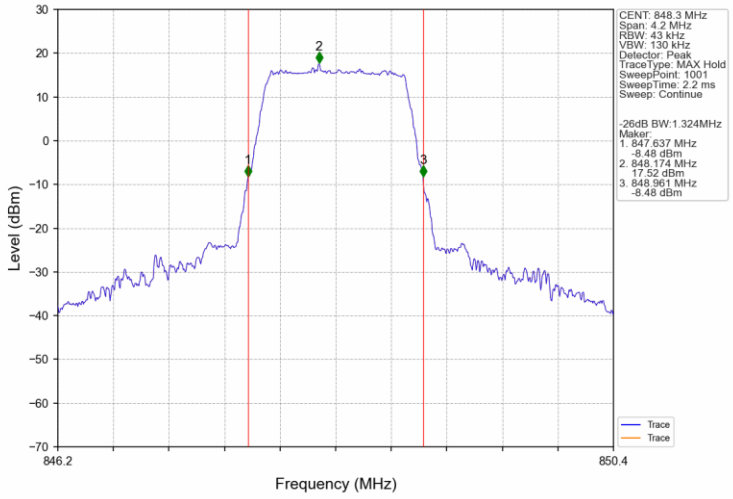
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



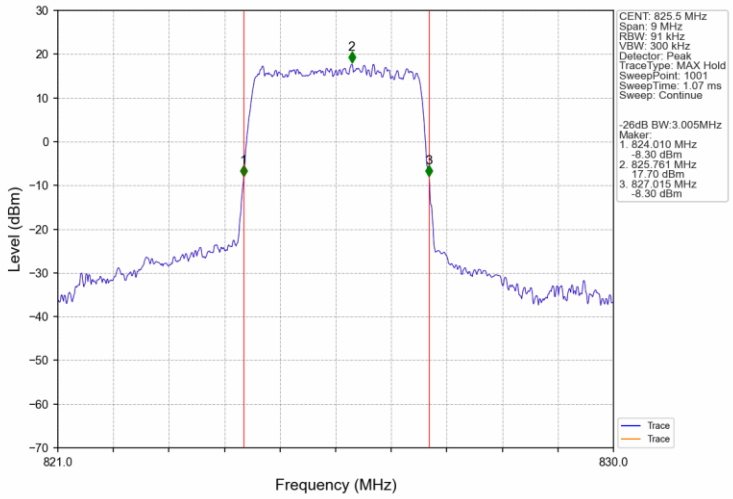
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



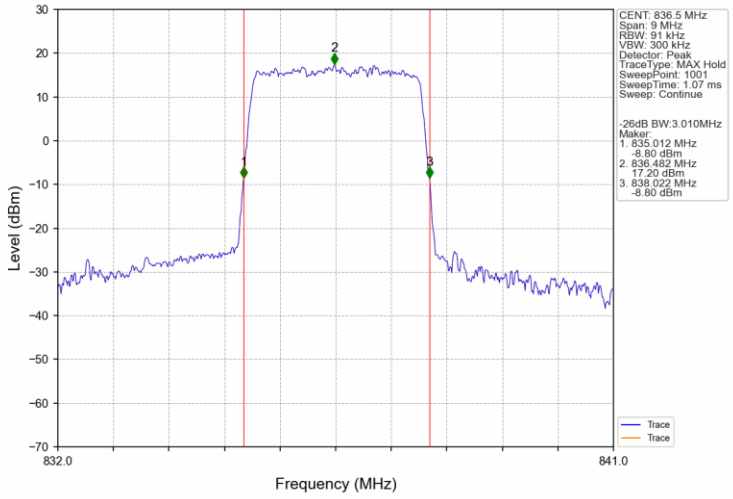
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



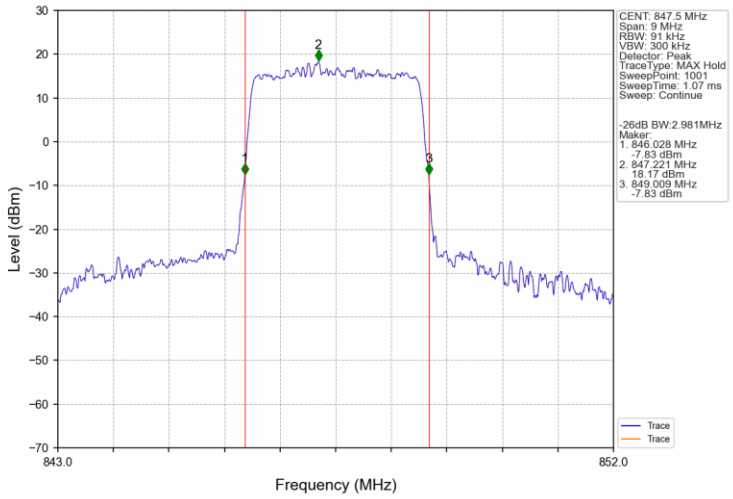
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



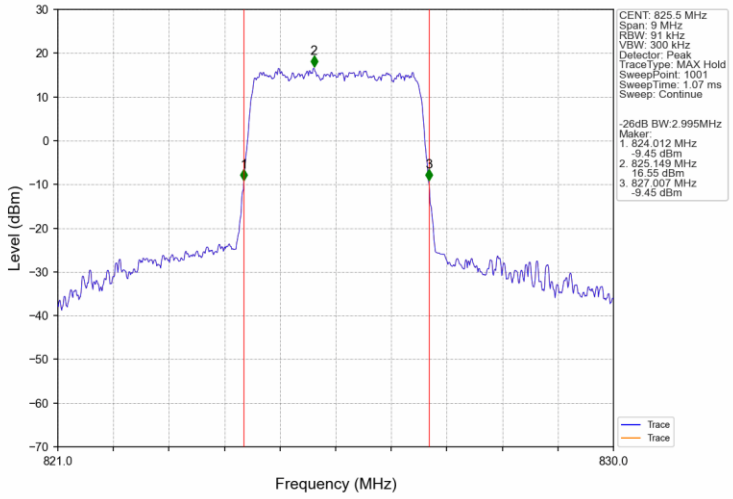
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



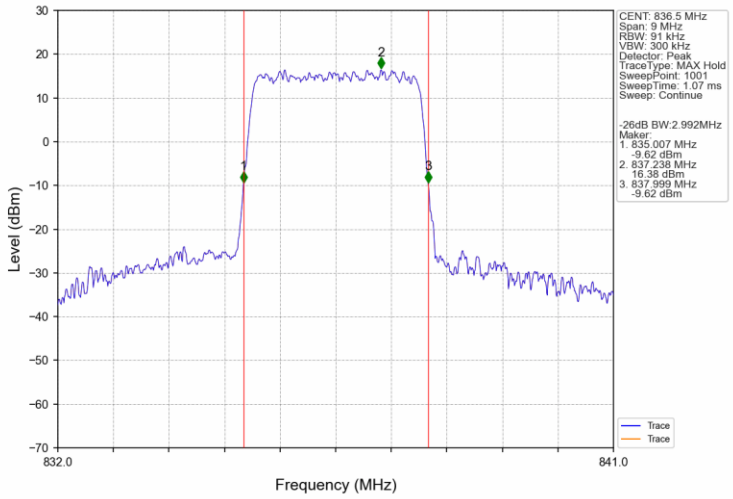
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



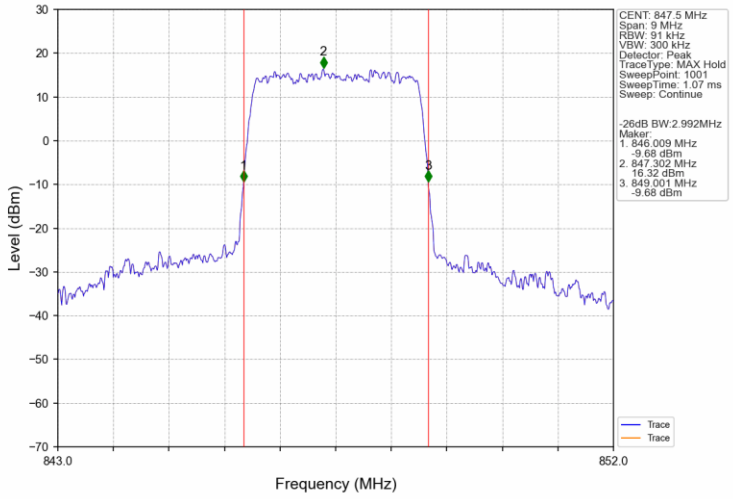
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



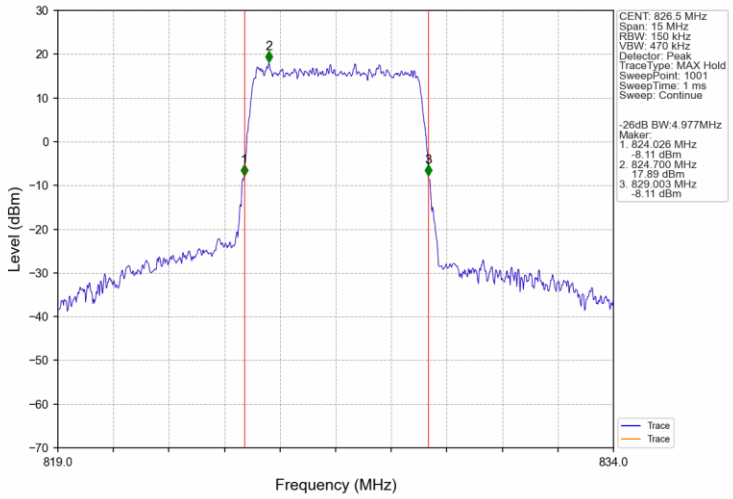
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



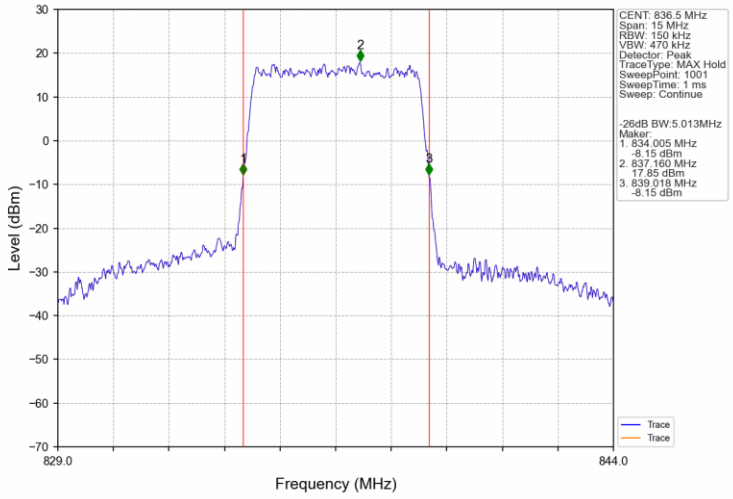
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



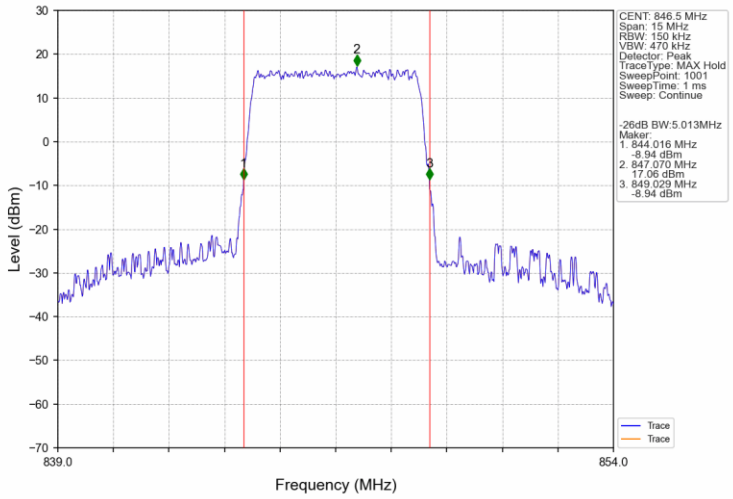
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



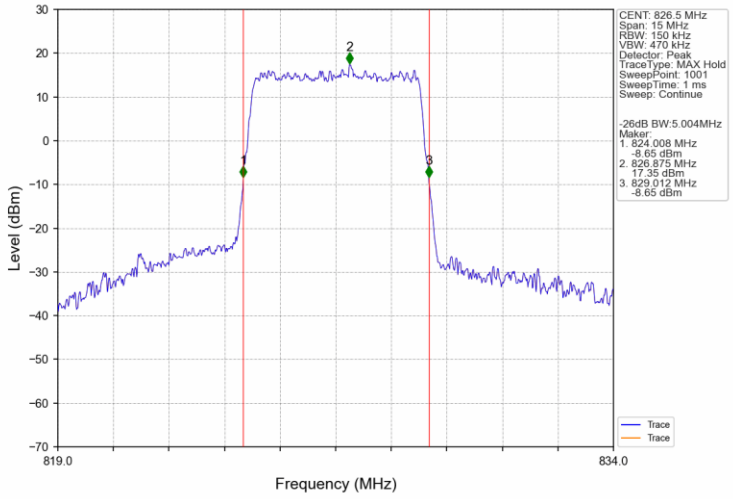
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



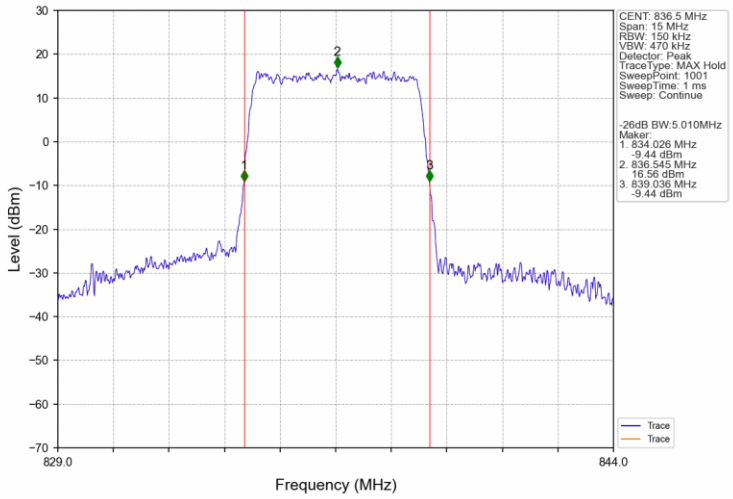
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



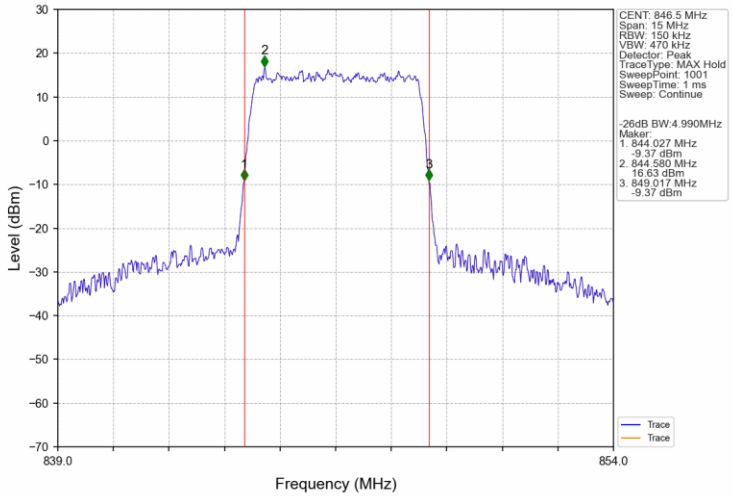
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



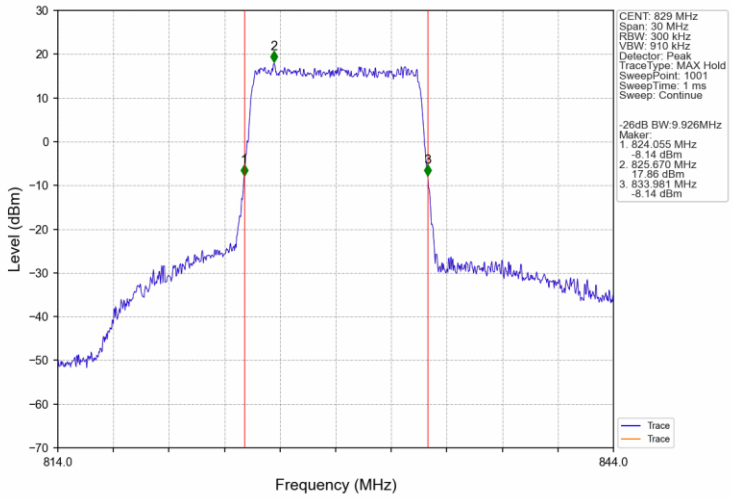
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



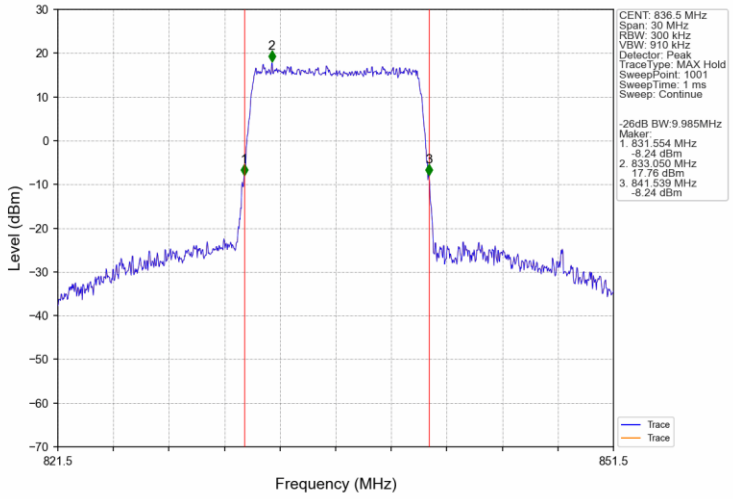
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



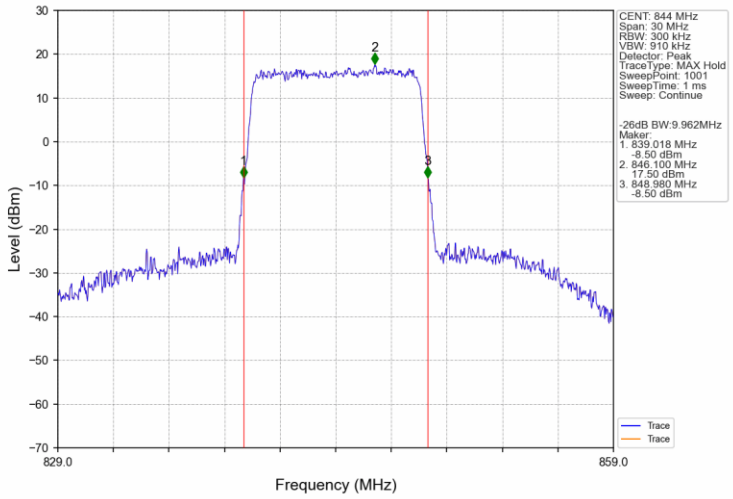
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



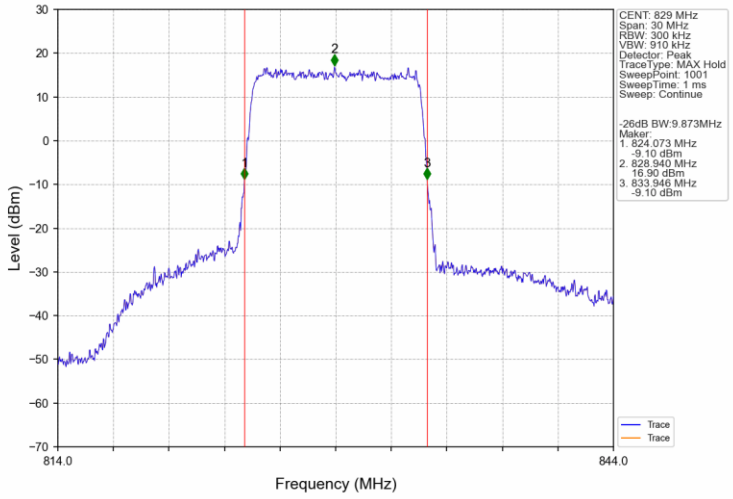
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



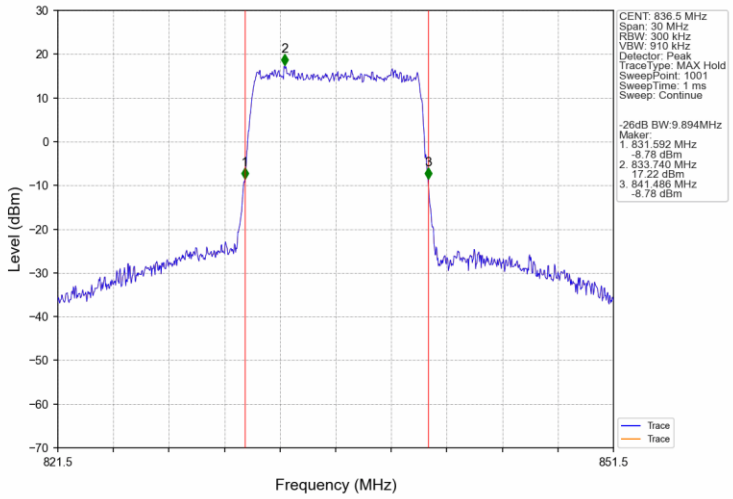
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



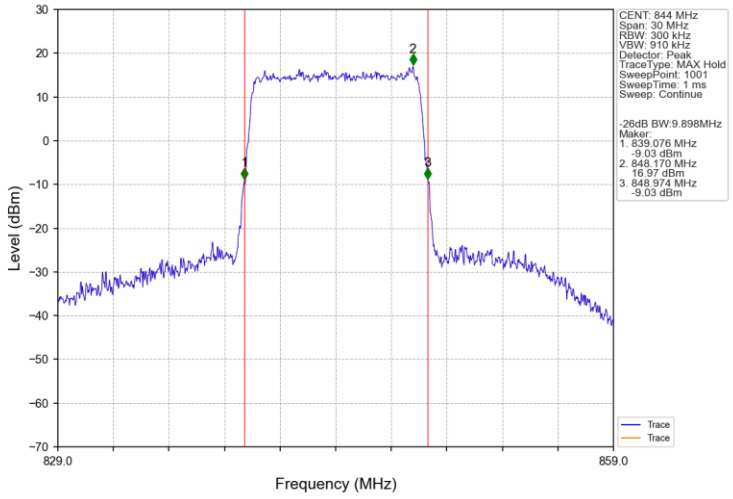
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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	5.63	<=13	Pass
	836.5	6	0	5.52	<=13	Pass
	848.3	6	0	5.50	<=13	Pass
16QAM	824.7	6	0	6.39	<=13	Pass
	836.5	6	0	6.36	<=13	Pass
	848.3	6	0	6.26	<=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	5.67	<=13	Pass
	836.5	15	0	5.57	<=13	Pass
	847.5	15	0	5.51	<=13	Pass
16QAM	825.5	15	0	6.47	<=13	Pass
	836.5	15	0	6.39	<=13	Pass
	847.5	15	0	6.35	<=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	5.73	<=13	Pass
	836.5	25	0	5.72	<=13	Pass
	846.5	25	0	5.59	<=13	Pass
16QAM	826.5	25	0	6.43	<=13	Pass
	836.5	25	0	6.37	<=13	Pass
	846.5	25	0	6.34	<=13	Pass

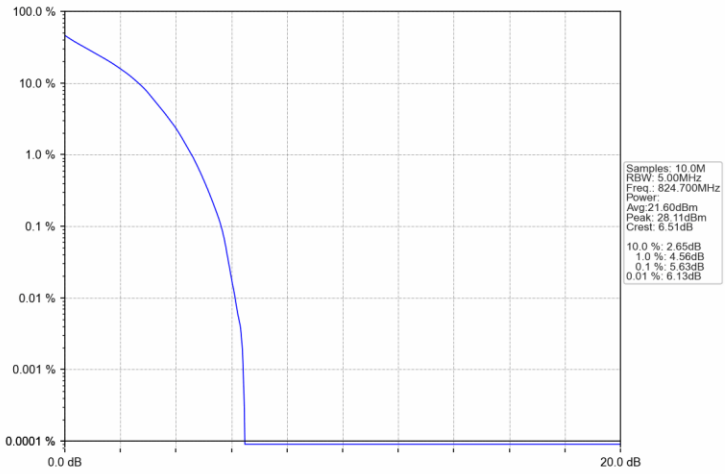
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.63	<=13	Pass
	836.5	50	0	5.64	<=13	Pass
	844	50	0	5.57	<=13	Pass
16QAM	829	50	0	6.40	<=13	Pass
	836.5	50	0	6.40	<=13	Pass
	844	50	0	6.29	<=13	Pass

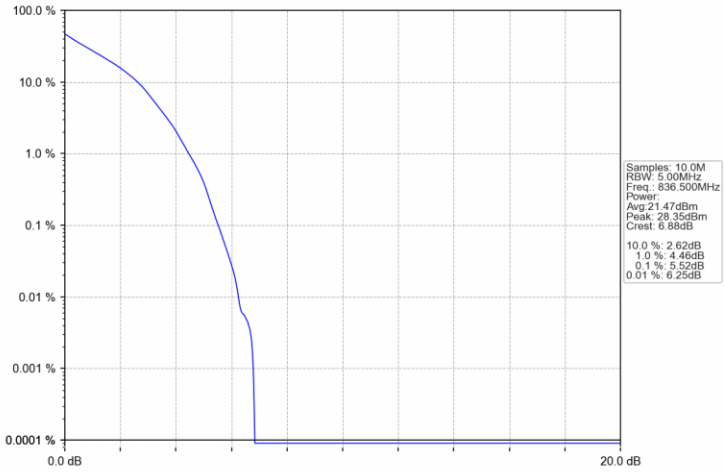
5.2 Test Graph

5.2.1 B5_1.4MHz

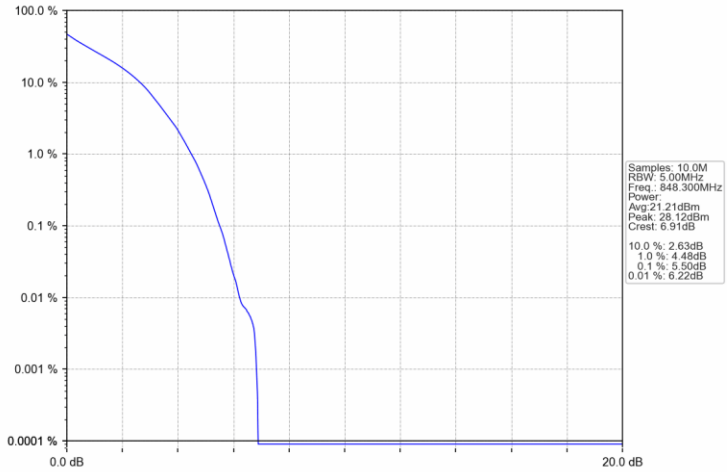
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



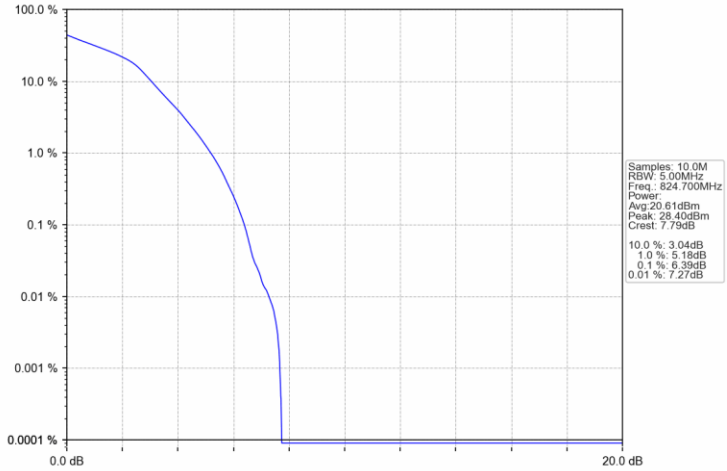
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



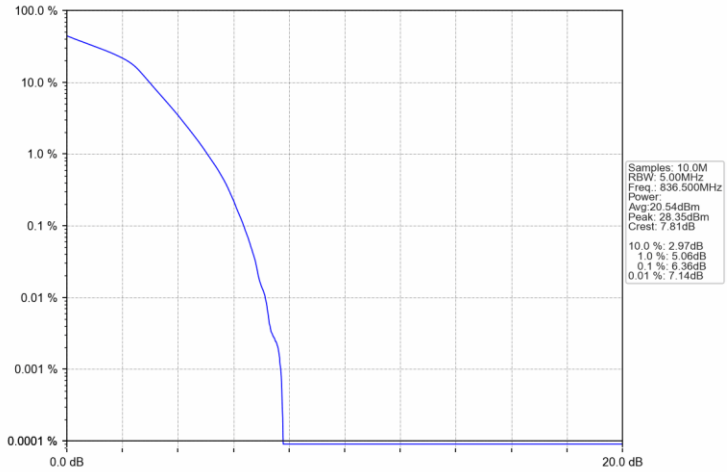
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV