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	24.31	-3.40	18.76	<=38.45	Pass
			2	24.37	-3.40	18.82	<=38.45	Pass
			5	24.40	-3.40	18.85	<=38.45	Pass
		3	0	24.44	-3.40	18.89	<=38.45	Pass
			2	24.49	-3.40	18.94	<=38.45	Pass
			3	24.45	-3.40	18.90	<=38.45	Pass
		6	0	23.50	-3.40	17.95	<=38.45	Pass
	836.5	1	0	24.27	-3.40	18.72	<=38.45	Pass
			2	24.23	-3.40	18.68	<=38.45	Pass
			5	24.24	-3.40	18.69	<=38.45	Pass
		3	0	24.27	-3.40	18.72	<=38.45	Pass
			2	24.27	-3.40	18.72	<=38.45	Pass
			3	24.21	-3.40	18.66	<=38.45	Pass
		6	0	23.28	-3.40	17.73	<=38.45	Pass
	848.3	1	0	24.31	-3.40	18.76	<=38.45	Pass
			2	24.34	-3.40	18.79	<=38.45	Pass
			5	24.35	-3.40	18.80	<=38.45	Pass
		3	0	24.25	-3.40	18.70	<=38.45	Pass
			2	24.29	-3.40	18.74	<=38.45	Pass
			3	24.26	-3.40	18.71	<=38.45	Pass
		6	0	23.25	-3.40	17.70	<=38.45	Pass
16QAM	824.7	1	0	23.48	-3.40	17.93	<=38.45	Pass
			2	23.50	-3.40	17.95	<=38.45	Pass
			5	23.51	-3.40	17.96	<=38.45	Pass
		3	0	23.27	-3.40	17.72	<=38.45	Pass
			2	23.25	-3.40	17.70	<=38.45	Pass
			3	23.27	-3.40	17.72	<=38.45	Pass
		6	0	22.39	-3.40	16.84	<=38.45	Pass
	836.5	1	0	22.81	-3.40	17.26	<=38.45	Pass
			2	22.81	-3.40	17.26	<=38.45	Pass
			5	22.86	-3.40	17.31	<=38.45	Pass
		3	0	23.03	-3.40	17.48	<=38.45	Pass
			2	22.95	-3.40	17.40	<=38.45	Pass
			3	23.01	-3.40	17.46	<=38.45	Pass
		6	0	22.37	-3.40	16.82	<=38.45	Pass
	848.3	1	0	23.78	-3.40	18.23	<=38.45	Pass
			2	23.81	-3.40	18.26	<=38.45	Pass
			5	23.77	-3.40	18.22	<=38.45	Pass
		3	0	23.16	-3.40	17.61	<=38.45	Pass
			2	23.18	-3.40	17.63	<=38.45	Pass
			3	23.13	-3.40	17.58	<=38.45	Pass
		6	0	22.82	-3.40	17.27	<=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	24.39	-3.40	18.84	<=38.45	Pass
			7	24.37	-3.40	18.82	<=38.45	Pass
			14	24.38	-3.40	18.83	<=38.45	Pass
		8	0	23.57	-3.40	18.02	<=38.45	Pass
			4	23.56	-3.40	18.01	<=38.45	Pass
			7	23.41	-3.40	17.86	<=38.45	Pass
		15	0	23.57	-3.40	18.02	<=38.45	Pass
	836.5	1	0	24.32	-3.40	18.77	<=38.45	Pass
			7	24.26	-3.40	18.71	<=38.45	Pass
			14	24.20	-3.40	18.65	<=38.45	Pass
		8	0	23.30	-3.40	17.75	<=38.45	Pass
			4	23.19	-3.40	17.64	<=38.45	Pass
			7	23.15	-3.40	17.60	<=38.45	Pass
		15	0	23.36	-3.40	17.81	<=38.45	Pass
	847.5	1	0	24.37	-3.40	18.82	<=38.45	Pass
			7	24.34	-3.40	18.79	<=38.45	Pass
			14	24.38	-3.40	18.83	<=38.45	Pass
		8	0	23.30	-3.40	17.75	<=38.45	Pass
			4	23.30	-3.40	17.75	<=38.45	Pass
			7	23.31	-3.40	17.76	<=38.45	Pass
		15	0	23.32	-3.40	17.77	<=38.45	Pass
16QAM	825.5	1	0	23.82	-3.40	18.27	<=38.45	Pass
			7	23.73	-3.40	18.18	<=38.45	Pass
			14	23.74	-3.40	18.19	<=38.45	Pass
		8	0	22.79	-3.40	17.24	<=38.45	Pass
			4	22.70	-3.40	17.15	<=38.45	Pass
			7	23.23	-3.40	17.68	<=38.45	Pass
		15	0	22.49	-3.40	16.94	<=38.45	Pass
	836.5	1	0	22.96	-3.40	17.41	<=38.45	Pass
			7	22.90	-3.40	17.35	<=38.45	Pass
			14	22.85	-3.40	17.30	<=38.45	Pass
		8	0	23.05	-3.40	17.50	<=38.45	Pass
			4	22.52	-3.40	16.97	<=38.45	Pass
			7	22.57	-3.40	17.02	<=38.45	Pass
		15	0	22.40	-3.40	16.85	<=38.45	Pass
	847.5	1	0	23.78	-3.40	18.23	<=38.45	Pass
			7	23.58	-3.40	18.03	<=38.45	Pass
			14	23.62	-3.40	18.07	<=38.45	Pass
		8	0	22.37	-3.40	16.82	<=38.45	Pass
			4	22.31	-3.40	16.76	<=38.45	Pass
			7	22.76	-3.40	17.21	<=38.45	Pass
		15	0	22.27	-3.40	16.72	<=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	24.50	-3.40	18.95	<=38.45	Pass
			13	24.43	-3.40	18.88	<=38.45	Pass
			24	24.43	-3.40	18.88	<=38.45	Pass
		12	0	23.45	-3.40	17.90	<=38.45	Pass
			6	23.43	-3.40	17.88	<=38.45	Pass
			13	23.41	-3.40	17.86	<=38.45	Pass
		25	0	23.42	-3.40	17.87	<=38.45	Pass

	836.5	1	0	24.36	-3.40	18.81	<=38.45	Pass
			13	24.19	-3.40	18.64	<=38.45	Pass
			24	24.23	-3.40	18.68	<=38.45	Pass
		12	0	23.28	-3.40	17.73	<=38.45	Pass
			6	23.29	-3.40	17.74	<=38.45	Pass
			13	23.29	-3.40	17.74	<=38.45	Pass
		25	0	23.32	-3.40	17.77	<=38.45	Pass
	846.5	1	0	24.30	-3.40	18.75	<=38.45	Pass
			13	24.31	-3.40	18.76	<=38.45	Pass
			24	24.36	-3.40	18.81	<=38.45	Pass
		12	0	23.24	-3.40	17.69	<=38.45	Pass
			6	23.34	-3.40	17.79	<=38.45	Pass
			13	23.33	-3.40	17.78	<=38.45	Pass
		25	0	23.33	-3.40	17.78	<=38.45	Pass
16QAM	826.5	1	0	22.50	-3.40	16.95	<=38.45	Pass
			13	22.43	-3.40	16.88	<=38.45	Pass
			24	22.49	-3.40	16.94	<=38.45	Pass
		12	0	22.47	-3.40	16.92	<=38.45	Pass
			6	22.90	-3.40	17.35	<=38.45	Pass
			13	22.89	-3.40	17.34	<=38.45	Pass
		25	0	22.96	-3.40	17.41	<=38.45	Pass
	836.5	1	0	23.31	-3.40	17.76	<=38.45	Pass
			13	23.23	-3.40	17.68	<=38.45	Pass
			24	23.33	-3.40	17.78	<=38.45	Pass
		12	0	22.83	-3.40	17.28	<=38.45	Pass
			6	22.35	-3.40	16.80	<=38.45	Pass
			13	22.29	-3.40	16.74	<=38.45	Pass
		25	0	22.46	-3.40	16.91	<=38.45	Pass
	846.5	1	0	23.17	-3.40	17.62	<=38.45	Pass
			13	23.17	-3.40	17.62	<=38.45	Pass
			24	23.15	-3.40	17.60	<=38.45	Pass
		12	0	22.14	-3.40	16.59	<=38.45	Pass
			6	22.14	-3.40	16.59	<=38.45	Pass
			13	22.11	-3.40	16.56	<=38.45	Pass
		25	0	22.24	-3.40	16.69	<=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	24.30	-3.40	18.75	<=38.45	Pass
			25	24.39	-3.40	18.84	<=38.45	Pass
			49	24.24	-3.40	18.69	<=38.45	Pass
		25	0	23.36	-3.40	17.81	<=38.45	Pass
			13	23.50	-3.40	17.95	<=38.45	Pass
			25	23.78	-3.40	18.23	<=38.45	Pass
		50	0	23.47	-3.40	17.92	<=38.45	Pass
	836.5	1	0	24.23	-3.40	18.68	<=38.45	Pass
			25	24.15	-3.40	18.60	<=38.45	Pass
			49	24.31	-3.40	18.76	<=38.45	Pass
		25	0	23.31	-3.40	17.76	<=38.45	Pass
			13	23.33	-3.40	17.78	<=38.45	Pass
			25	23.30	-3.40	17.75	<=38.45	Pass
		50	0	23.25	-3.40	17.70	<=38.45	Pass
	844	1	0	24.42	-3.40	18.87	<=38.45	Pass
			25	24.43	-3.40	18.88	<=38.45	Pass

			49	24.45	-3.40	18.90	<=38.45	Pass
		25	0	23.36	-3.40	17.81	<=38.45	Pass
			13	23.33	-3.40	17.78	<=38.45	Pass
			25	23.32	-3.40	17.77	<=38.45	Pass
		50	0	23.26	-3.40	17.71	<=38.45	Pass
16QAM	829	1	0	23.55	-3.40	18.00	<=38.45	Pass
			25	23.51	-3.40	17.96	<=38.45	Pass
			49	23.47	-3.40	17.92	<=38.45	Pass
		25	0	22.97	-3.40	17.42	<=38.45	Pass
			13	22.43	-3.40	16.88	<=38.45	Pass
			25	22.74	-3.40	17.19	<=38.45	Pass
		50	0	22.48	-3.40	16.93	<=38.45	Pass
	836.5	1	0	23.43	-3.40	17.88	<=38.45	Pass
			25	23.01	-3.40	17.46	<=38.45	Pass
			49	23.14	-3.40	17.59	<=38.45	Pass
		25	0	22.96	-3.40	17.41	<=38.45	Pass
			13	22.55	-3.40	17.00	<=38.45	Pass
			25	22.96	-3.40	17.41	<=38.45	Pass
		50	0	22.43	-3.40	16.88	<=38.45	Pass
	844	1	0	23.46	-3.40	17.91	<=38.45	Pass
			25	23.50	-3.40	17.95	<=38.45	Pass
			49	23.47	-3.40	17.92	<=38.45	Pass
		25	0	22.48	-3.40	16.93	<=38.45	Pass
			13	22.90	-3.40	17.35	<=38.45	Pass
			25	22.47	-3.40	16.92	<=38.45	Pass
		50	0	22.82	-3.40	17.27	<=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	-13.089	-0.0159	-2.5 to 2.5	Pass
					3.85	-20.657	-0.0250	-2.5 to 2.5	Pass
					4.43	-36.893	-0.0447	-2.5 to 2.5	Pass
				-30	3.85	-28.710	-0.0348	-2.5 to 2.5	Pass
				-20	3.85	-10.042	-0.0122	-2.5 to 2.5	Pass
				-10	3.85	-13.790	-0.0167	-2.5 to 2.5	Pass
				0	3.85	-44.360	-0.0538	-2.5 to 2.5	Pass
				10	3.85	-11.387	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-27.652	-0.0335	-2.5 to 2.5	Pass
				40	3.85	-26.751	-0.0324	-2.5 to 2.5	Pass
				50	3.85	-19.040	-0.0231	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-41.142	-0.0492	-2.5 to 2.5	Pass
					3.85	-36.750	-0.0439	-2.5 to 2.5	Pass
					4.43	-8.640	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-25.935	-0.0310	-2.5 to 2.5	Pass
				-20	3.85	-16.208	-0.0194	-2.5 to 2.5	Pass
				-10	3.85	-31.786	-0.0380	-2.5 to 2.5	Pass
				0	3.85	-31.414	-0.0376	-2.5 to 2.5	Pass
				10	3.85	-22.602	-0.0270	-2.5 to 2.5	Pass

				30	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-32.101	-0.0384	-2.5 to 2.5	Pass
				50	3.85	-6.080	-0.0073	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	5.794	0.0068	-2.5 to 2.5	Pass
					3.85	-25.764	-0.0304	-2.5 to 2.5	Pass
					4.43	-16.794	-0.0198	-2.5 to 2.5	Pass
				-30	3.85	-35.920	-0.0423	-2.5 to 2.5	Pass
				-20	3.85	-19.898	-0.0235	-2.5 to 2.5	Pass
				-10	3.85	-39.725	-0.0468	-2.5 to 2.5	Pass
				0	3.85	-24.190	-0.0285	-2.5 to 2.5	Pass
				10	3.85	-6.967	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-31.543	-0.0372	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-22.988	-0.0271	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-5.851	-0.0071	-2.5 to 2.5	Pass
					3.85	-16.022	-0.0194	-2.5 to 2.5	Pass
					4.43	-22.573	-0.0274	-2.5 to 2.5	Pass
				-30	3.85	-36.678	-0.0445	-2.5 to 2.5	Pass
				-20	3.85	-45.633	-0.0553	-2.5 to 2.5	Pass
				-10	3.85	-4.692	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-16.894	-0.0205	-2.5 to 2.5	Pass
				10	3.85	-26.279	-0.0319	-2.5 to 2.5	Pass
				30	3.85	-39.239	-0.0476	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-12.116	-0.0147	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-23.189	-0.0277	-2.5 to 2.5	Pass
					3.85	-23.217	-0.0278	-2.5 to 2.5	Pass
					4.43	-21.214	-0.0254	-2.5 to 2.5	Pass
				-30	3.85	-25.492	-0.0305	-2.5 to 2.5	Pass
				-20	3.85	-25.220	-0.0301	-2.5 to 2.5	Pass
				-10	3.85	-30.026	-0.0359	-2.5 to 2.5	Pass
				0	3.85	-32.129	-0.0384	-2.5 to 2.5	Pass
				10	3.85	-35.491	-0.0424	-2.5 to 2.5	Pass
				30	3.85	-42.930	-0.0513	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-5.722	-0.0068	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-40.512	-0.0478	-2.5 to 2.5	Pass
					3.85	-40.627	-0.0479	-2.5 to 2.5	Pass
					4.43	-44.446	-0.0524	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-9.785	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-18.482	-0.0218	-2.5 to 2.5	Pass
				10	3.85	-16.694	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-30.727	-0.0362	-2.5 to 2.5	Pass
				40	3.85	-7.539	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-8.569	-0.0101	-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	34.904	0.0423	-2.5 to 2.5	Pass
					3.85	-14.205	-0.0172	-2.5 to 2.5	Pass
					4.43	-42.529	-0.0515	-2.5 to 2.5	Pass
				-30	3.85	-12.732	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-9.513	-0.0115	-2.5 to 2.5	Pass

				-10	3.85	-21.329	-0.0258	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-44.789	-0.0543	-2.5 to 2.5	Pass
				30	3.85	-13.390	-0.0162	-2.5 to 2.5	Pass
				40	3.85	-30.842	-0.0374	-2.5 to 2.5	Pass
				50	3.85	-37.150	-0.0450	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	6.151	0.0074	-2.5 to 2.5	Pass
					3.85	30.856	0.0369	-2.5 to 2.5	Pass
					4.43	39.597	0.0473	-2.5 to 2.5	Pass
				-30	3.85	0.458	0.0005	-2.5 to 2.5	Pass
				-20	3.85	10.743	0.0128	-2.5 to 2.5	Pass
				-10	3.85	19.641	0.0235	-2.5 to 2.5	Pass
				0	3.85	32.315	0.0386	-2.5 to 2.5	Pass
				10	3.85	42.501	0.0508	-2.5 to 2.5	Pass
				30	3.85	8.039	0.0096	-2.5 to 2.5	Pass
				40	3.85	19.813	0.0237	-2.5 to 2.5	Pass
				50	3.85	27.194	0.0325	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	6.924	0.0082	-2.5 to 2.5	Pass
					3.85	-25.320	-0.0299	-2.5 to 2.5	Pass
					4.43	-21.429	-0.0253	-2.5 to 2.5	Pass
				-30	3.85	-19.255	-0.0227	-2.5 to 2.5	Pass
				-20	3.85	-44.260	-0.0522	-2.5 to 2.5	Pass
				-10	3.85	-11.916	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-25.978	-0.0307	-2.5 to 2.5	Pass
				10	3.85	-41.170	-0.0486	-2.5 to 2.5	Pass
				30	3.85	-14.405	-0.0170	-2.5 to 2.5	Pass
				40	3.85	-7.324	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-14.534	-0.0171	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-15.292	-0.0185	-2.5 to 2.5	Pass
					3.85	0.558	0.0007	-2.5 to 2.5	Pass
					4.43	29.941	0.0363	-2.5 to 2.5	Pass
				-30	3.85	20.413	0.0247	-2.5 to 2.5	Pass
				-20	3.85	38.252	0.0463	-2.5 to 2.5	Pass
				-10	3.85	43.502	0.0527	-2.5 to 2.5	Pass
				0	3.85	40.998	0.0497	-2.5 to 2.5	Pass
				10	3.85	32.501	0.0394	-2.5 to 2.5	Pass
				30	3.85	14.634	0.0177	-2.5 to 2.5	Pass
				40	3.85	42.787	0.0518	-2.5 to 2.5	Pass
				50	3.85	20.370	0.0247	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	40.712	0.0487	-2.5 to 2.5	Pass
					3.85	16.222	0.0194	-2.5 to 2.5	Pass
					4.43	41.542	0.0497	-2.5 to 2.5	Pass
				-30	3.85	10.829	0.0129	-2.5 to 2.5	Pass
				-20	3.85	26.979	0.0323	-2.5 to 2.5	Pass
				-10	3.85	40.727	0.0487	-2.5 to 2.5	Pass
				0	3.85	6.022	0.0072	-2.5 to 2.5	Pass
				10	3.85	16.279	0.0195	-2.5 to 2.5	Pass
				30	3.85	40.283	0.0482	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				50	3.85	8.841	0.0106	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-15.092	-0.0178	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
					4.43	14.133	0.0167	-2.5 to 2.5	Pass
				-30	3.85	26.579	0.0314	-2.5 to 2.5	Pass
				-20	3.85	32.301	0.0381	-2.5 to 2.5	Pass
				-10	3.85	37.966	0.0448	-2.5 to 2.5	Pass
				0	3.85	41.199	0.0486	-2.5 to 2.5	Pass
				10	3.85	41.585	0.0491	-2.5 to 2.5	Pass
				30	3.85	47.436	0.0560	-2.5 to 2.5	Pass

				40	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0021	-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	38.438	0.0465	-2.5 to 2.5	Pass
					3.85	-38.295	-0.0463	-2.5 to 2.5	Pass
					4.43	-21.987	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-24.219	-0.0293	-2.5 to 2.5	Pass
				-20	3.85	-11.501	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-38.652	-0.0468	-2.5 to 2.5	Pass
				0	3.85	-10.915	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-27.537	-0.0333	-2.5 to 2.5	Pass
				30	3.85	-39.940	-0.0483	-2.5 to 2.5	Pass
				40	3.85	-5.922	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-17.910	-0.0217	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	37.050	0.0443	-2.5 to 2.5	Pass
					3.85	4.020	0.0048	-2.5 to 2.5	Pass
					4.43	2.604	0.0031	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.562	0.0043	-2.5 to 2.5	Pass
				-10	3.85	7.596	0.0091	-2.5 to 2.5	Pass
				0	3.85	9.255	0.0111	-2.5 to 2.5	Pass
				10	3.85	11.573	0.0138	-2.5 to 2.5	Pass
				30	3.85	10.400	0.0124	-2.5 to 2.5	Pass
				40	3.85	9.985	0.0119	-2.5 to 2.5	Pass
				50	3.85	12.560	0.0150	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	13.332	0.0157	-2.5 to 2.5	Pass
					3.85	-24.805	-0.0293	-2.5 to 2.5	Pass
					4.43	-22.516	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-27.108	-0.0320	-2.5 to 2.5	Pass
				-10	3.85	-45.447	-0.0537	-2.5 to 2.5	Pass
				0	3.85	-12.159	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-23.732	-0.0280	-2.5 to 2.5	Pass
				30	3.85	-32.201	-0.0380	-2.5 to 2.5	Pass
				40	3.85	-39.897	-0.0471	-2.5 to 2.5	Pass
				50	3.85	-45.490	-0.0537	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-23.060	-0.0279	-2.5 to 2.5	Pass
					3.85	-13.418	-0.0162	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	6.995	0.0085	-2.5 to 2.5	Pass
				-20	3.85	11.916	0.0144	-2.5 to 2.5	Pass
				-10	3.85	13.103	0.0159	-2.5 to 2.5	Pass
				0	3.85	14.820	0.0179	-2.5 to 2.5	Pass
				10	3.85	16.522	0.0200	-2.5 to 2.5	Pass
				30	3.85	18.826	0.0228	-2.5 to 2.5	Pass
				40	3.85	19.784	0.0239	-2.5 to 2.5	Pass
				50	3.85	20.428	0.0247	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	16.823	0.0201	-2.5 to 2.5	Pass
					3.85	34.132	0.0408	-2.5 to 2.5	Pass
					4.43	19.712	0.0236	-2.5 to 2.5	Pass
				-30	3.85	12.045	0.0144	-2.5 to 2.5	Pass
				-20	3.85	21.558	0.0258	-2.5 to 2.5	Pass
				-10	3.85	30.298	0.0362	-2.5 to 2.5	Pass

				0	3.85	36.879	0.0441	-2.5 to 2.5	Pass
				10	3.85	44.618	0.0533	-2.5 to 2.5	Pass
				30	3.85	3.891	0.0047	-2.5 to 2.5	Pass
				40	3.85	10.958	0.0131	-2.5 to 2.5	Pass
				50	3.85	17.996	0.0215	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-4.792	-0.0057	-2.5 to 2.5	Pass
					3.85	11.086	0.0131	-2.5 to 2.5	Pass
					4.43	29.254	0.0346	-2.5 to 2.5	Pass
				-30	3.85	40.483	0.0478	-2.5 to 2.5	Pass
				-20	3.85	2.117	0.0025	-2.5 to 2.5	Pass
				-10	3.85	12.116	0.0143	-2.5 to 2.5	Pass
				0	3.85	14.277	0.0169	-2.5 to 2.5	Pass
				10	3.85	17.366	0.0205	-2.5 to 2.5	Pass
				30	3.85	18.454	0.0218	-2.5 to 2.5	Pass
				40	3.85	24.419	0.0288	-2.5 to 2.5	Pass
				50	3.85	29.740	0.0351	-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	-21.014	-0.0253	-2.5 to 2.5	Pass
					3.85	-25.549	-0.0308	-2.5 to 2.5	Pass
					4.43	-20.514	-0.0247	-2.5 to 2.5	Pass
				-30	3.85	-12.302	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-44.417	-0.0536	-2.5 to 2.5	Pass
				-10	3.85	-23.804	-0.0287	-2.5 to 2.5	Pass
				0	3.85	-36.821	-0.0444	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-12.646	-0.0153	-2.5 to 2.5	Pass
				40	3.85	-16.108	-0.0194	-2.5 to 2.5	Pass
				50	3.85	-21.300	-0.0257	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	25.764	0.0308	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
					4.43	-21.429	-0.0256	-2.5 to 2.5	Pass
				-30	3.85	-24.118	-0.0288	-2.5 to 2.5	Pass
				-20	3.85	-28.152	-0.0337	-2.5 to 2.5	Pass
				-10	3.85	-30.785	-0.0368	-2.5 to 2.5	Pass
				0	3.85	-32.101	-0.0384	-2.5 to 2.5	Pass
				10	3.85	-30.870	-0.0369	-2.5 to 2.5	Pass
				30	3.85	-25.792	-0.0308	-2.5 to 2.5	Pass
				40	3.85	-25.964	-0.0310	-2.5 to 2.5	Pass
				50	3.85	-27.781	-0.0332	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.229	-0.0003	-2.5 to 2.5	Pass
					3.85	-38.166	-0.0452	-2.5 to 2.5	Pass
					4.43	-11.859	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-41.585	-0.0493	-2.5 to 2.5	Pass
				-20	3.85	-21.029	-0.0249	-2.5 to 2.5	Pass
				-10	3.85	-41.728	-0.0494	-2.5 to 2.5	Pass
				0	3.85	-21.029	-0.0249	-2.5 to 2.5	Pass
				10	3.85	-28.524	-0.0338	-2.5 to 2.5	Pass
				30	3.85	-37.222	-0.0441	-2.5 to 2.5	Pass
				40	3.85	-45.762	-0.0542	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-18.911	-0.0228	-2.5 to 2.5	Pass
					3.85	6.094	0.0074	-2.5 to 2.5	Pass
					4.43	20.614	0.0249	-2.5 to 2.5	Pass

				-30	3.85	33.259	0.0401	-2.5 to 2.5	Pass
				-20	3.85	39.668	0.0479	-2.5 to 2.5	Pass
				-10	3.85	45.376	0.0547	-2.5 to 2.5	Pass
				0	3.85	22.130	0.0267	-2.5 to 2.5	Pass
				10	3.85	4.349	0.0052	-2.5 to 2.5	Pass
				30	3.85	8.826	0.0106	-2.5 to 2.5	Pass
				40	3.85	11.001	0.0133	-2.5 to 2.5	Pass
				50	3.85	-19.984	-0.0241	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-11.487	-0.0137	-2.5 to 2.5	Pass
					3.85	20.399	0.0244	-2.5 to 2.5	Pass
					4.43	44.832	0.0536	-2.5 to 2.5	Pass
				-30	3.85	9.041	0.0108	-2.5 to 2.5	Pass
				-20	3.85	18.539	0.0222	-2.5 to 2.5	Pass
				-10	3.85	24.705	0.0295	-2.5 to 2.5	Pass
				0	3.85	33.116	0.0396	-2.5 to 2.5	Pass
				10	3.85	38.838	0.0464	-2.5 to 2.5	Pass
				30	3.85	22.101	0.0264	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	3.85	3.948	0.0047	-2.5 to 2.5	Pass
	844	50	0	20	3.27	2.518	0.0030	-2.5 to 2.5	Pass
					3.85	27.709	0.0328	-2.5 to 2.5	Pass
					4.43	41.399	0.0491	-2.5 to 2.5	Pass
				-30	3.85	1.802	0.0021	-2.5 to 2.5	Pass
				-20	3.85	8.554	0.0101	-2.5 to 2.5	Pass
				-10	3.85	13.533	0.0160	-2.5 to 2.5	Pass
				0	3.85	20.571	0.0244	-2.5 to 2.5	Pass
				10	3.85	25.148	0.0298	-2.5 to 2.5	Pass
				30	3.85	28.353	0.0336	-2.5 to 2.5	Pass
				40	3.85	26.279	0.0311	-2.5 to 2.5	Pass
				50	3.85	26.579	0.0315	-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

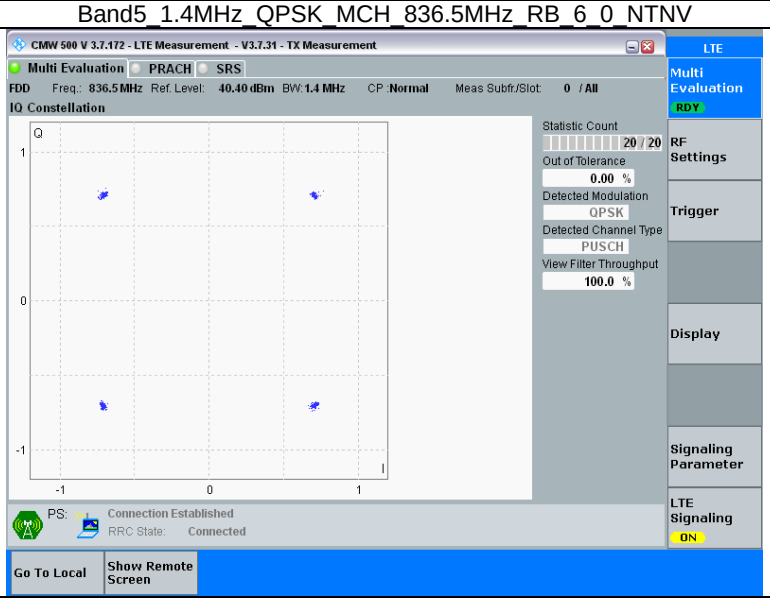
3.1.4 B5_10MHz

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

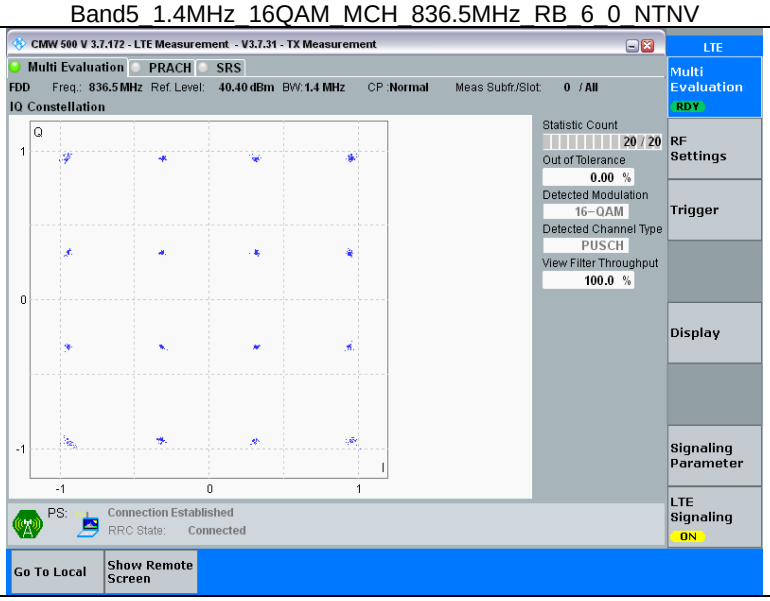
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

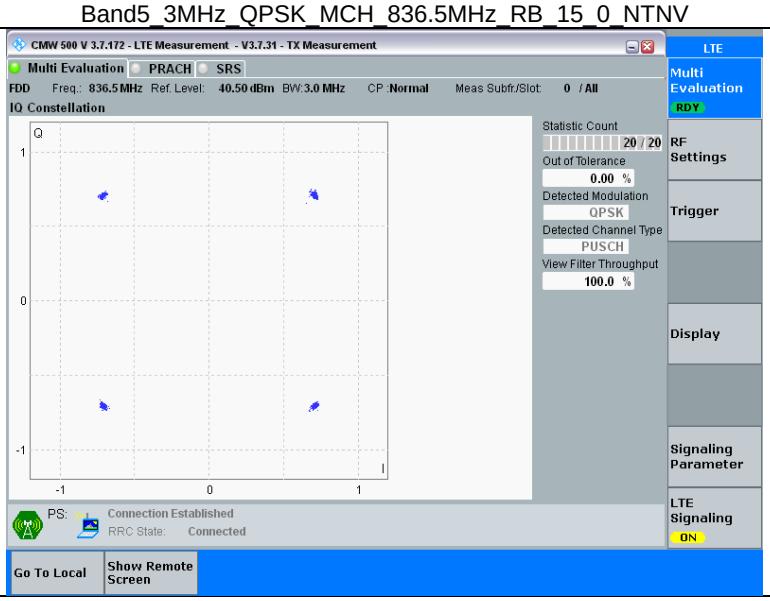


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

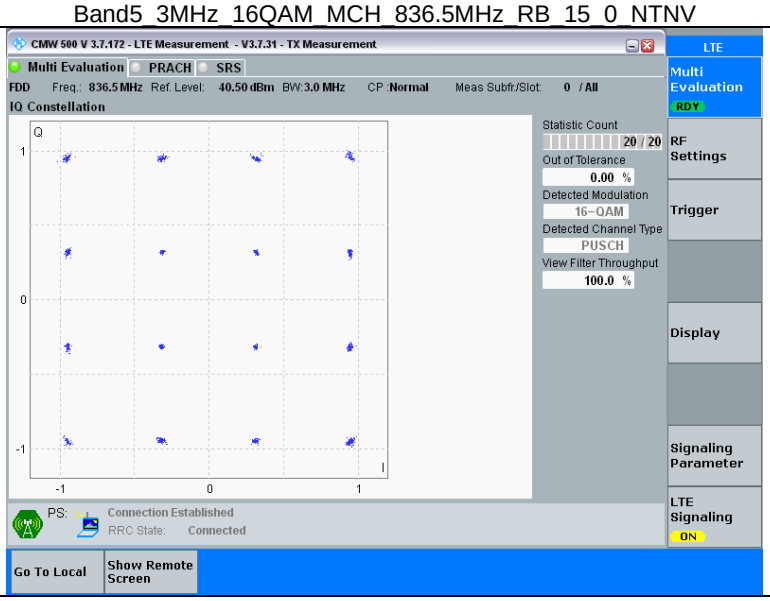


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

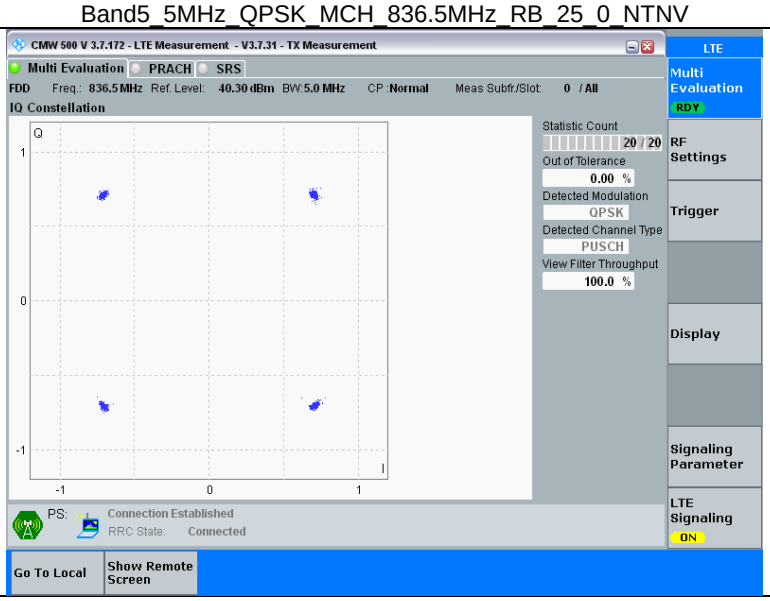


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

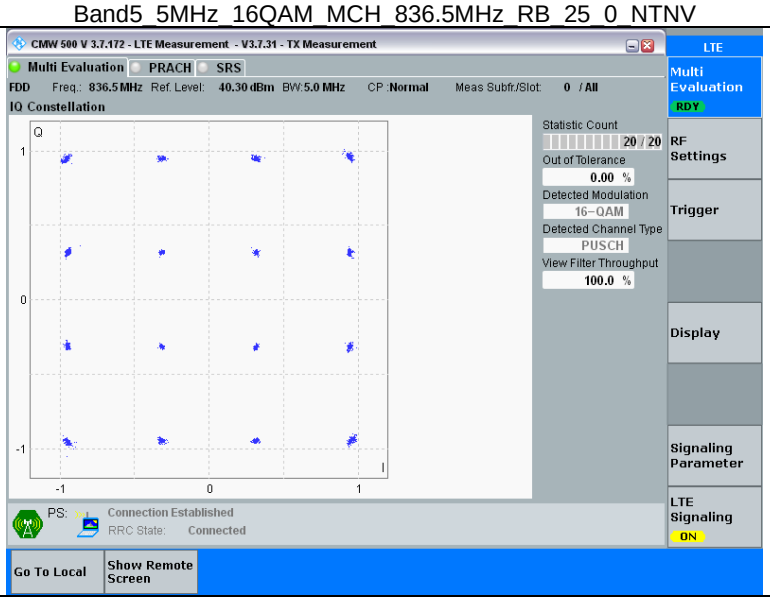


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

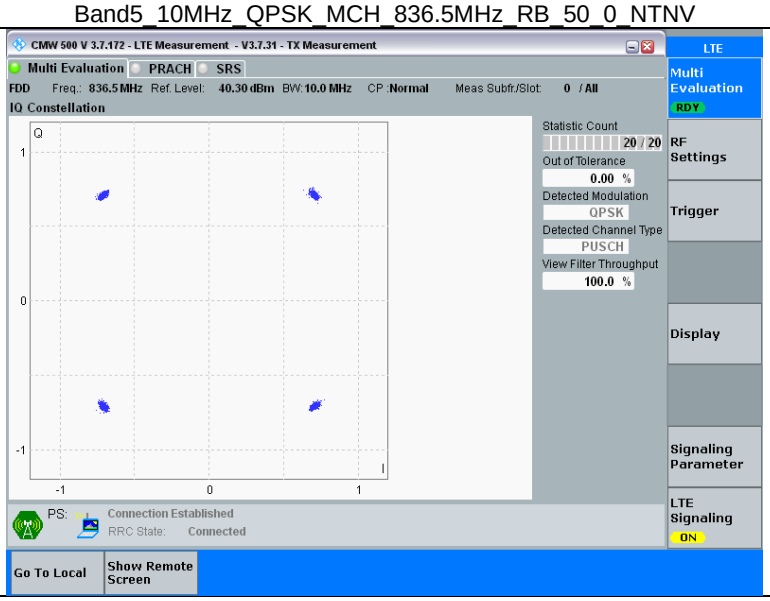


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

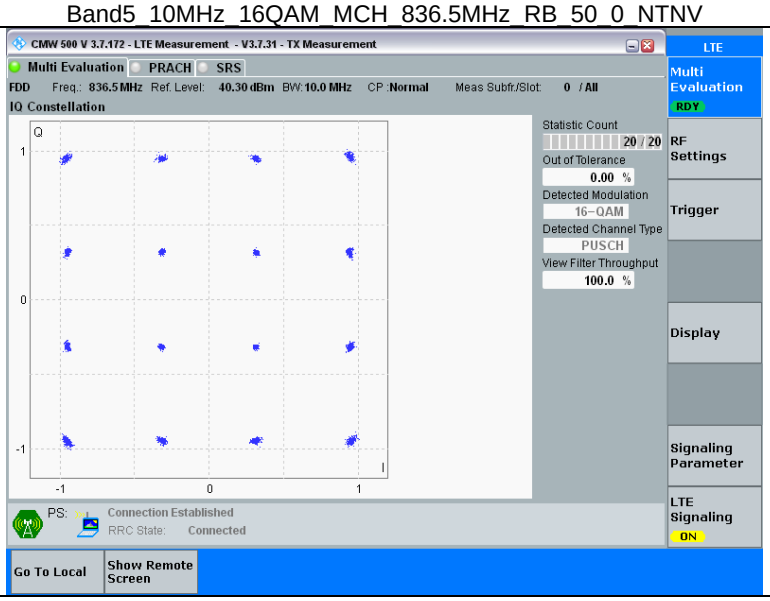


3.2.4 B5_10MHz

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	1.117	/	Pass
		836.5	6	0	1.115	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.111	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.119	/	Pass
3	QPSK	825.5	15	0	2.755	/	Pass
		836.5	15	0	2.747	/	Pass
		847.5	15	0	2.756	/	Pass
	16QAM	825.5	15	0	2.753	/	Pass
		836.5	15	0	2.755	/	Pass
		847.5	15	0	2.770	/	Pass
5	QPSK	826.5	25	0	4.565	/	Pass
		836.5	25	0	4.544	/	Pass
		846.5	25	0	4.524	/	Pass
	16QAM	826.5	25	0	4.550	/	Pass
		836.5	25	0	4.567	/	Pass
		846.5	25	0	4.542	/	Pass
10	QPSK	829	50	0	9.095	/	Pass
		836.5	50	0	9.059	/	Pass
		844	50	0	9.019	/	Pass
	16QAM	829	50	0	9.057	/	Pass
		836.5	50	0	9.063	/	Pass
		844	50	0	9.065	/	Pass

4.1.2 Band5_XDB

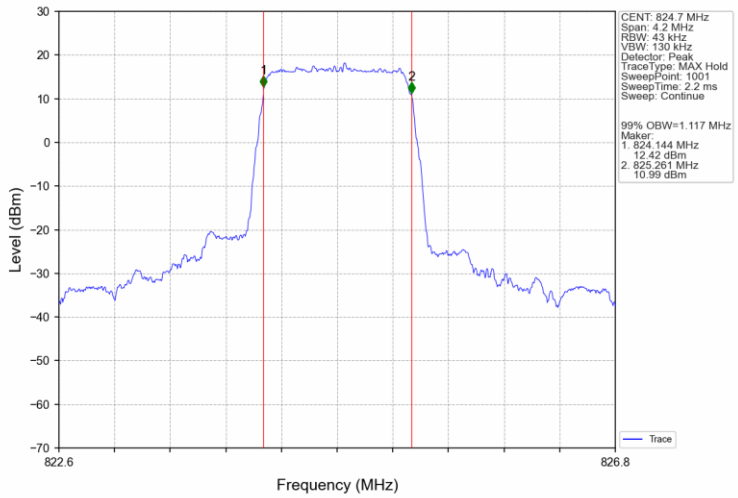
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.271	/	Pass
		836.5	6	0	1.275	/	Pass
		848.3	6	0	1.273	/	Pass
	16QAM	824.7	6	0	1.278	/	Pass
		836.5	6	0	1.264	/	Pass
		848.3	6	0	1.270	/	Pass
3	QPSK	825.5	15	0	3.095	/	Pass
		836.5	15	0	3.078	/	Pass
		847.5	15	0	3.094	/	Pass
	16QAM	825.5	15	0	3.112	/	Pass
		836.5	15	0	3.090	/	Pass
		847.5	15	0	3.098	/	Pass
5	QPSK	826.5	25	0	5.033	/	Pass
		836.5	25	0	5.032	/	Pass
		846.5	25	0	5.066	/	Pass

	16QAM	826.5	25	0	5.069	/	Pass
		836.5	25	0	5.087	/	Pass
		846.5	25	0	5.045	/	Pass
10	QPSK	829	50	0	10.055	/	Pass
		836.5	50	0	10.015	/	Pass
		844	50	0	10.042	/	Pass
	16QAM	829	50	0	10.045	/	Pass
		836.5	50	0	10.062	/	Pass
		844	50	0	10.016	/	Pass

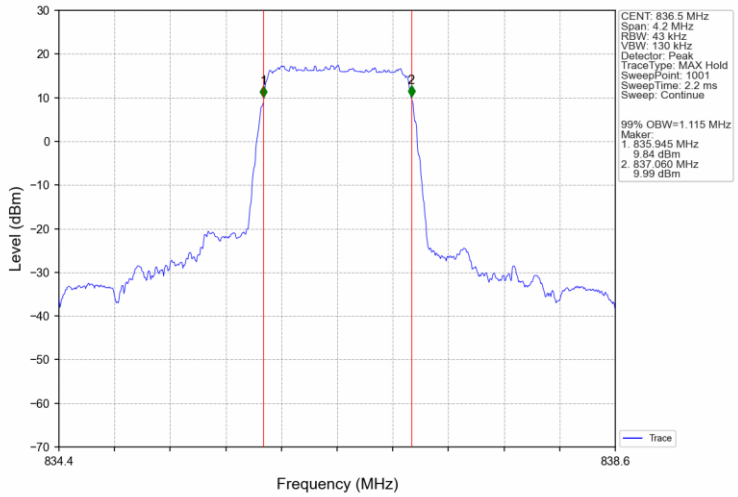
4.2 Test Graph

4.2.1 Band5_OBW

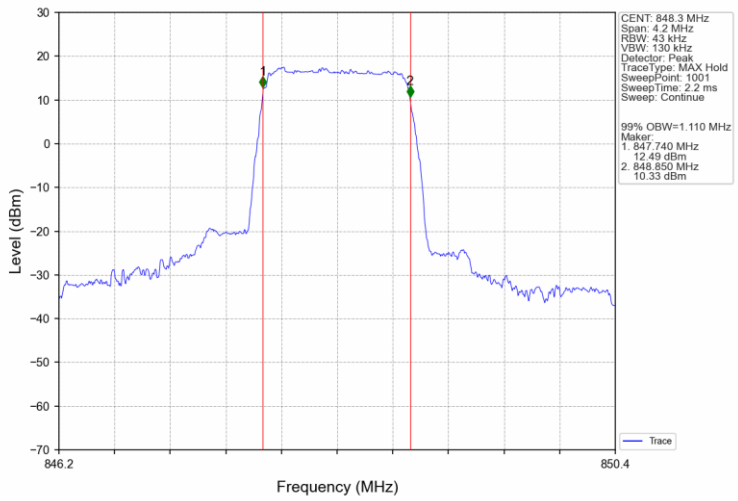
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



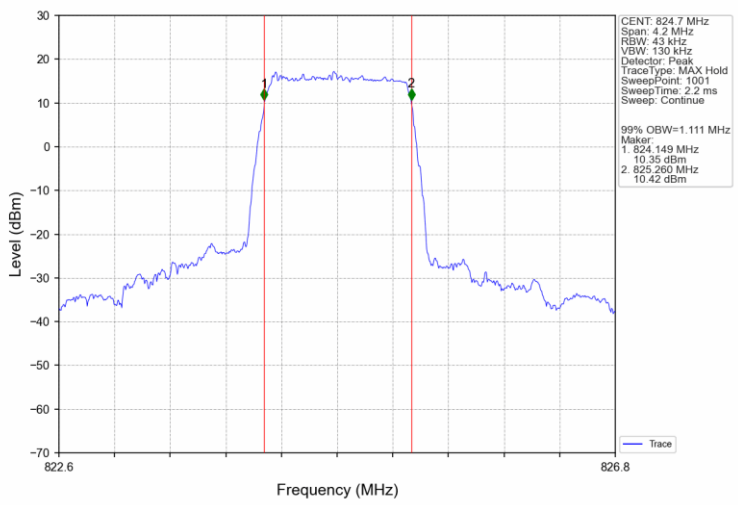
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



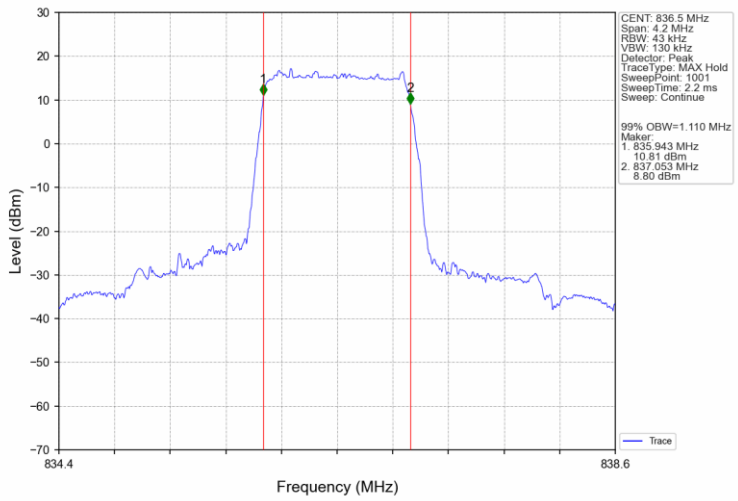
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



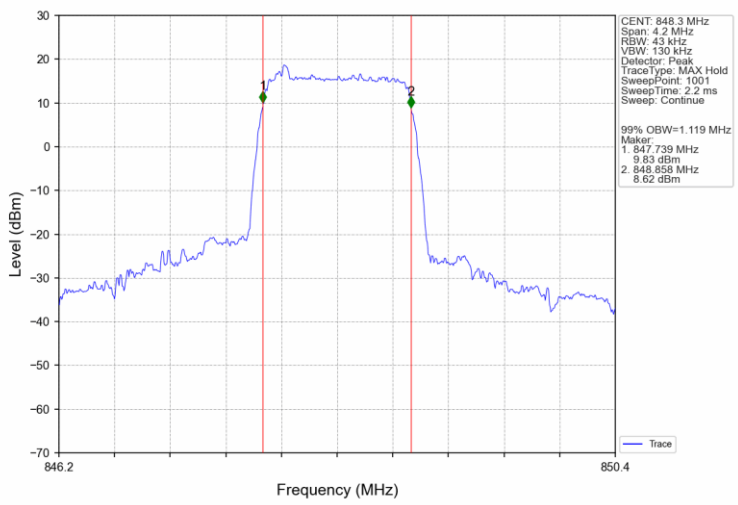
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



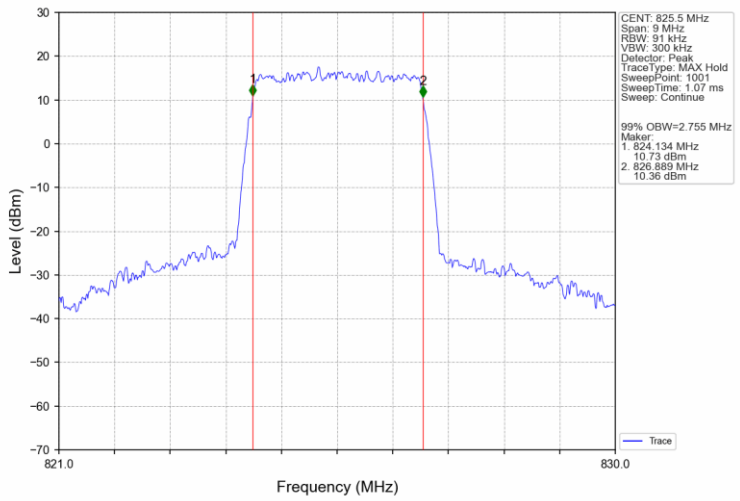
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



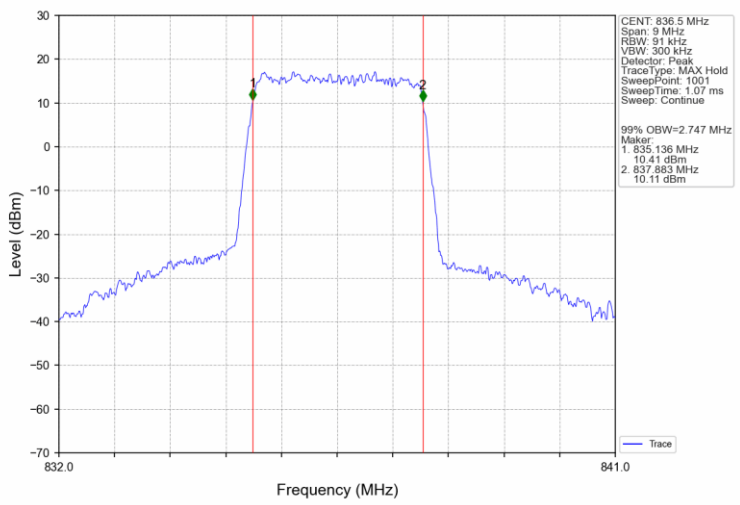
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



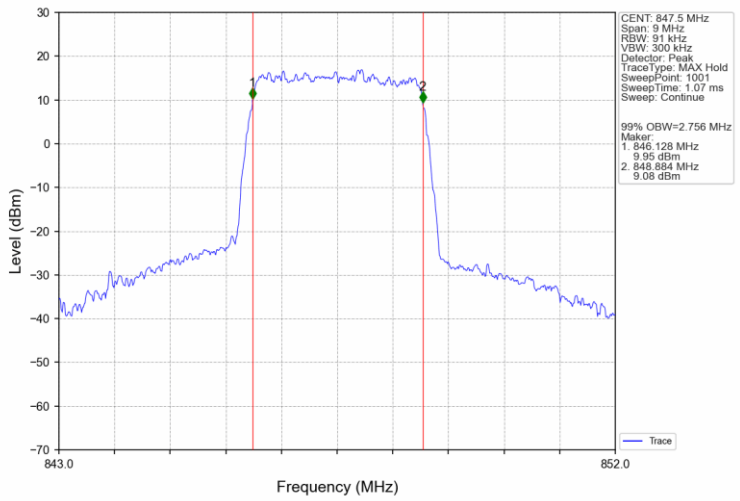
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



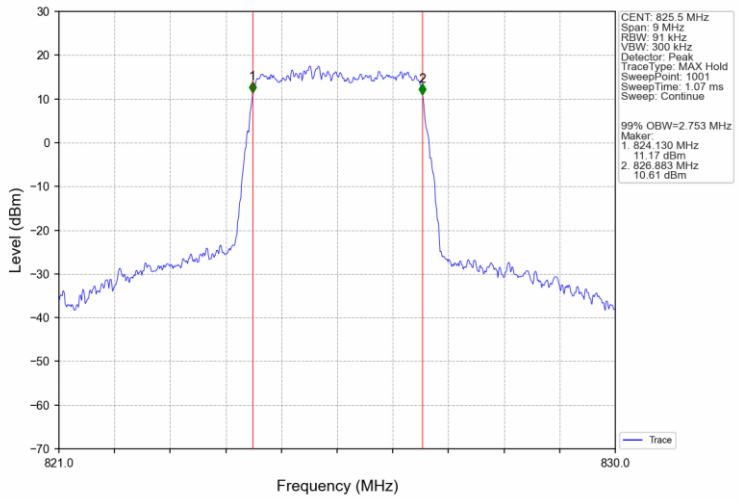
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



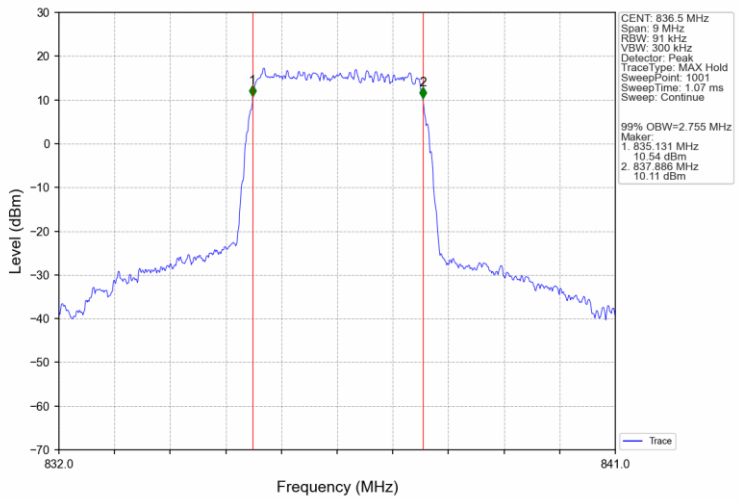
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



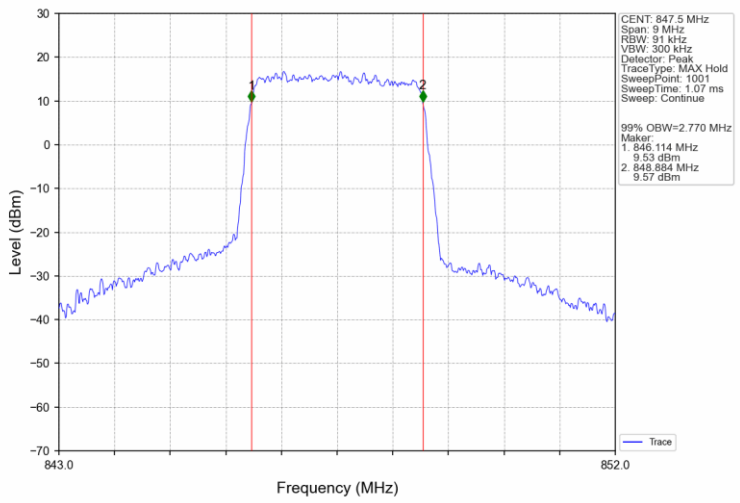
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



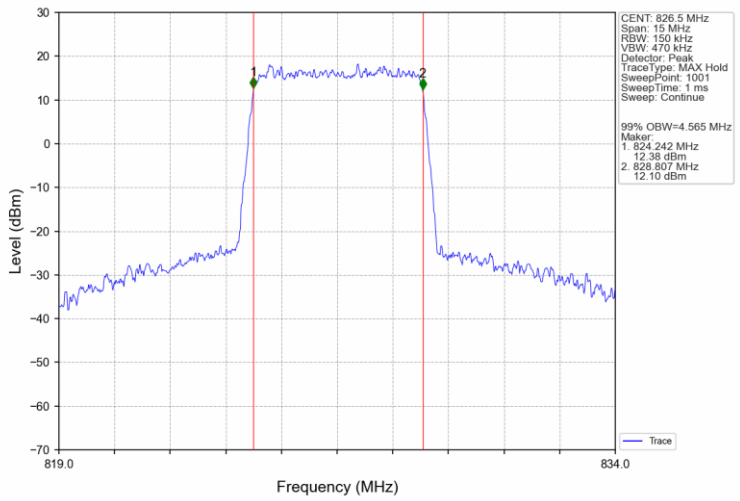
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



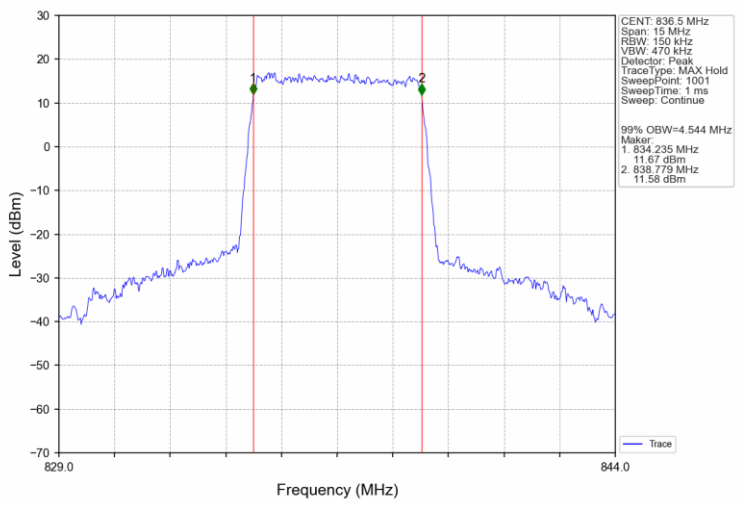
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



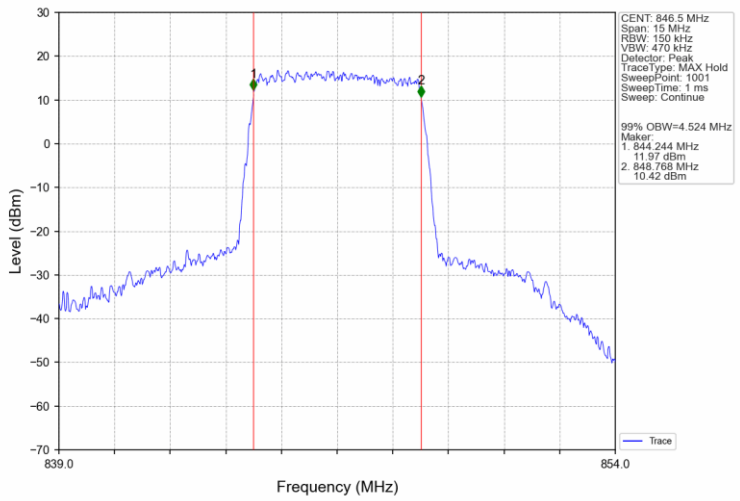
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



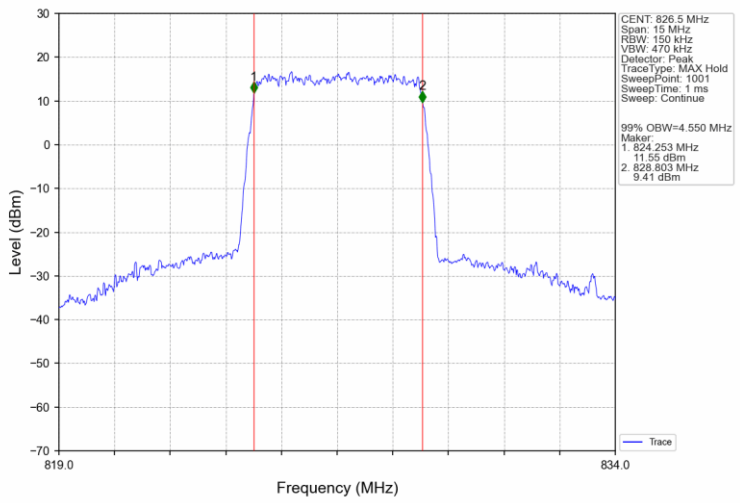
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



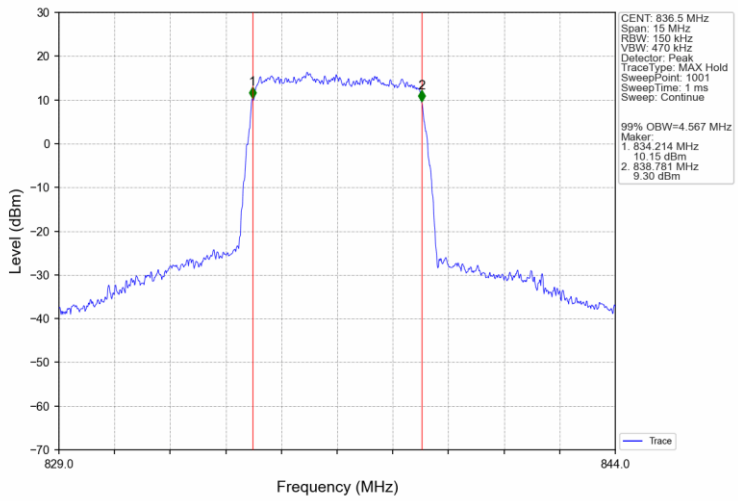
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



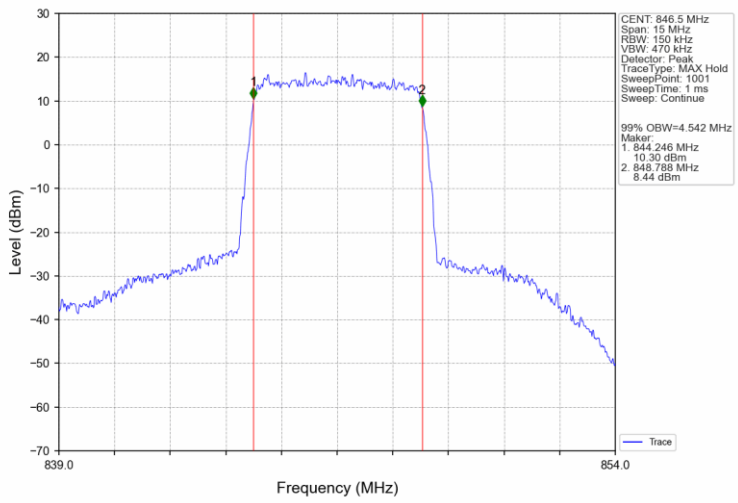
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



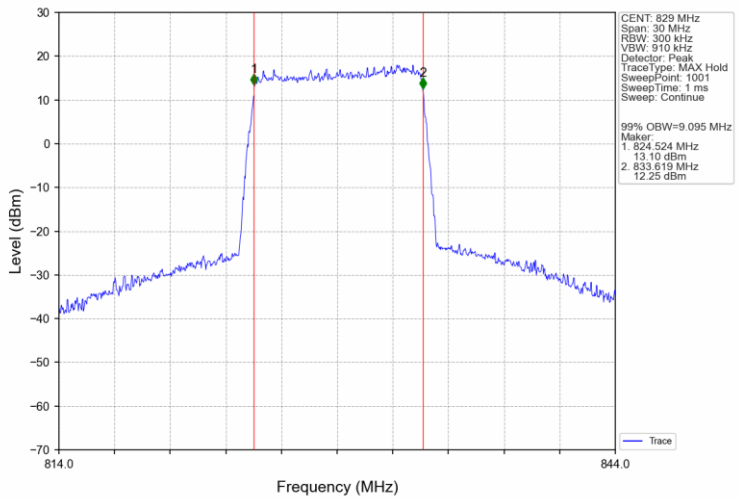
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



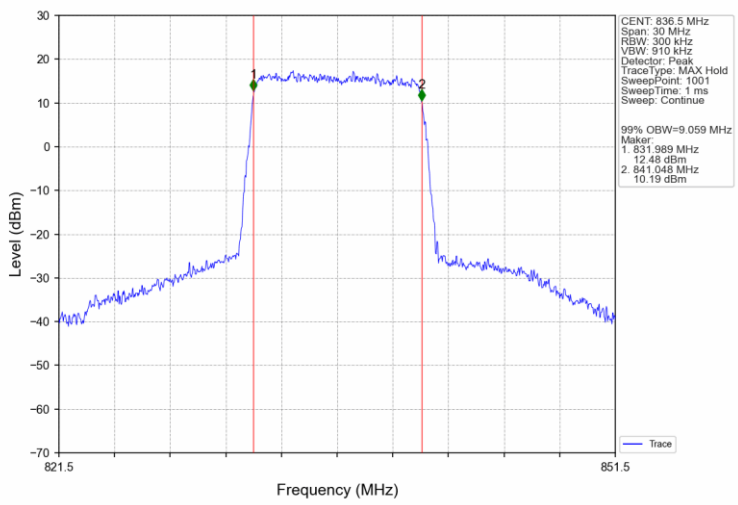
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



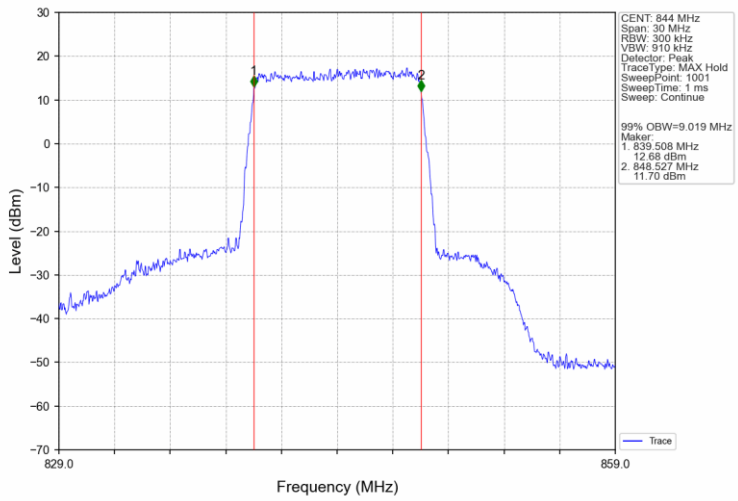
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



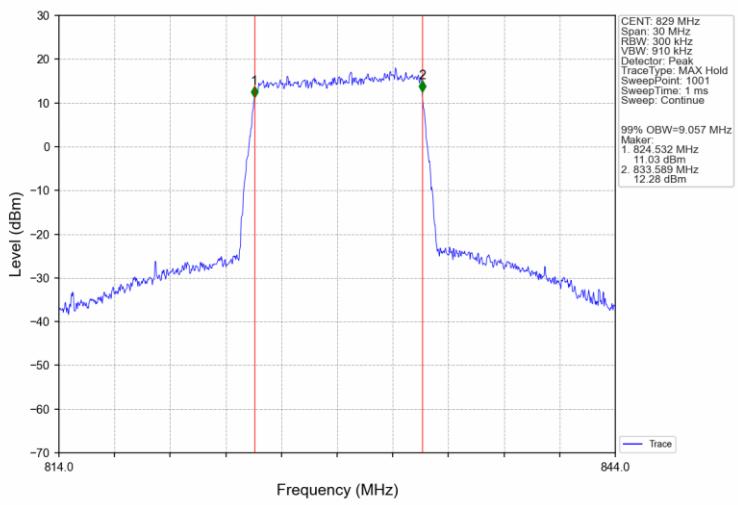
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



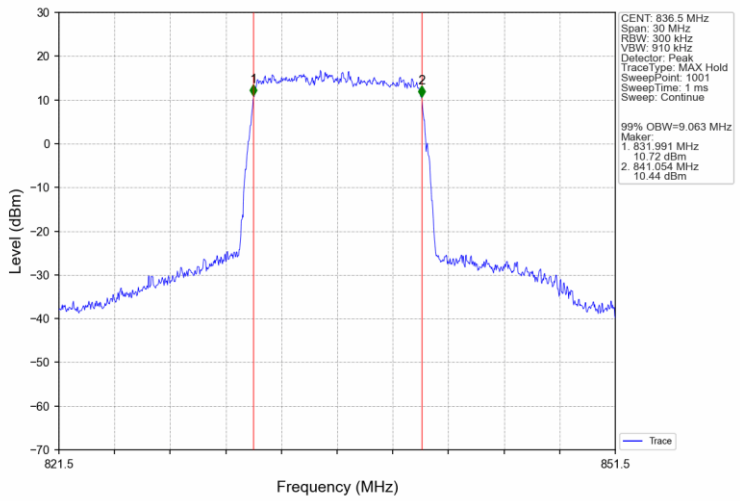
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



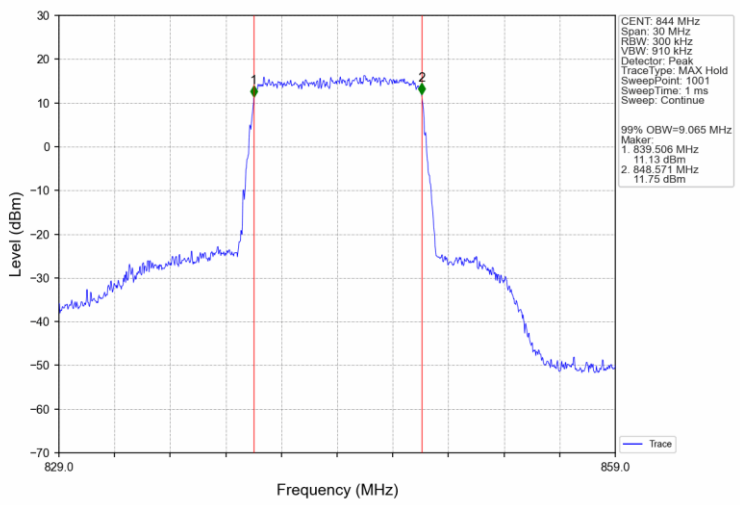
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

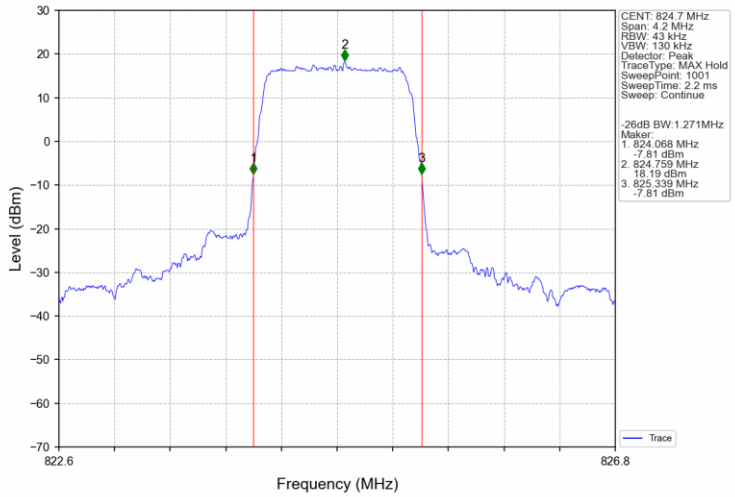


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

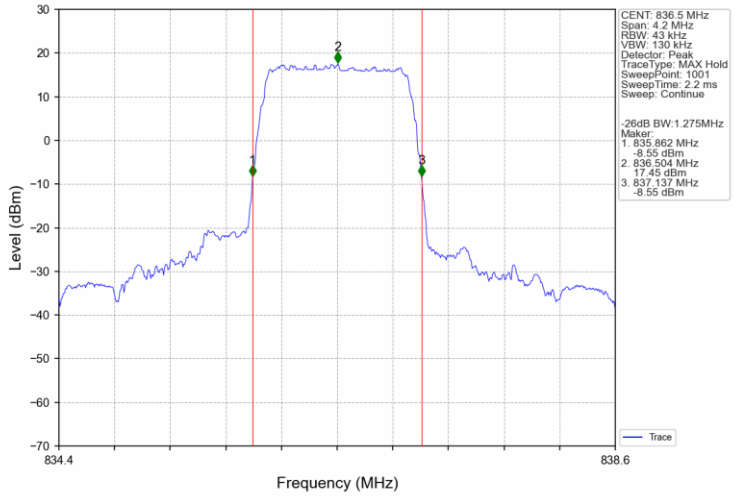


4.2.2 Band5_XDB

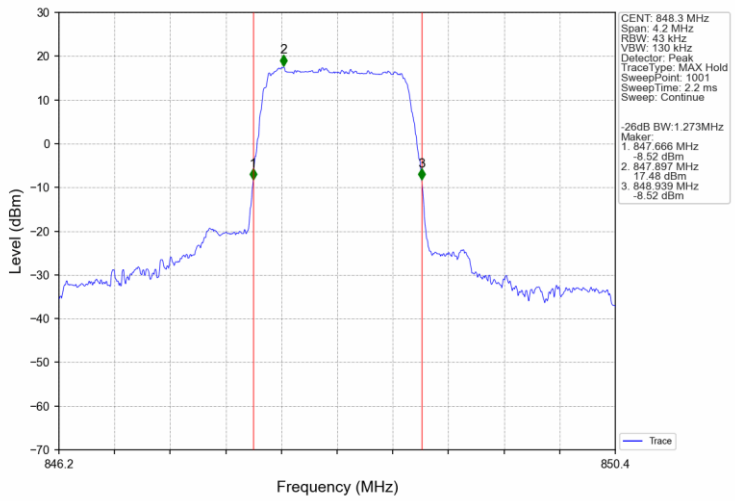
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



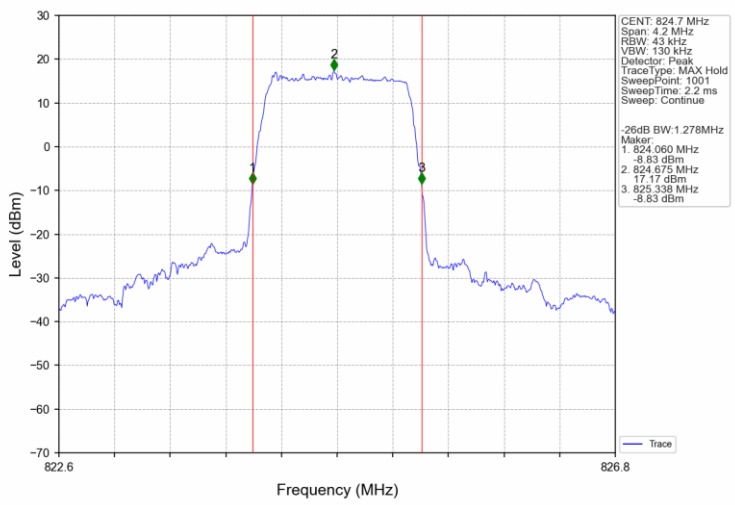
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



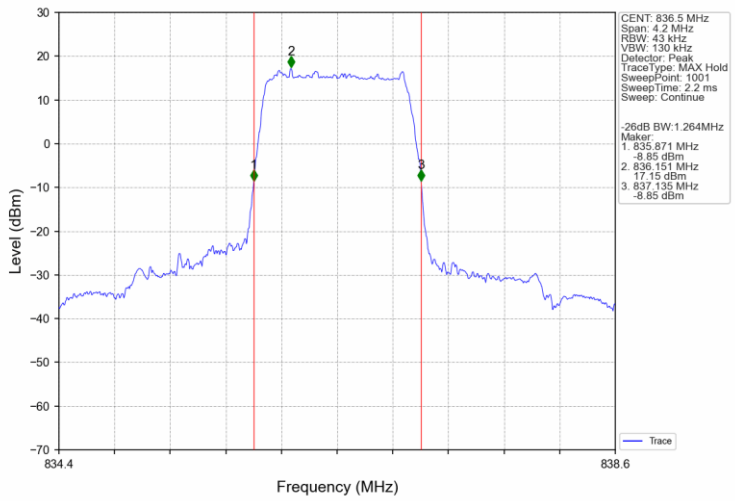
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



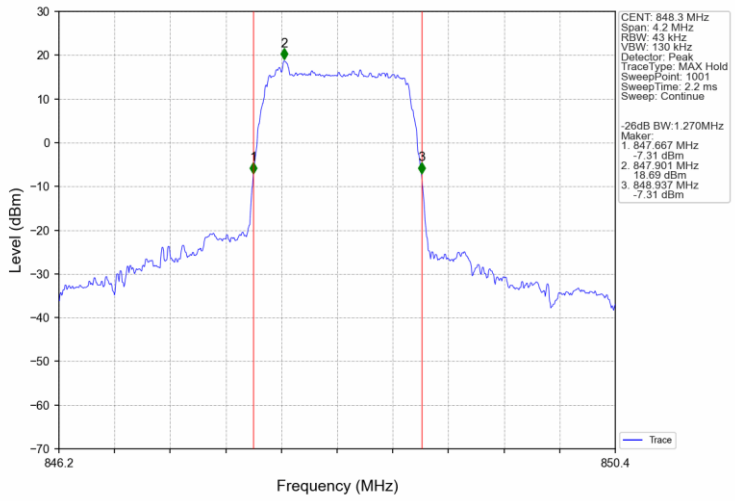
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



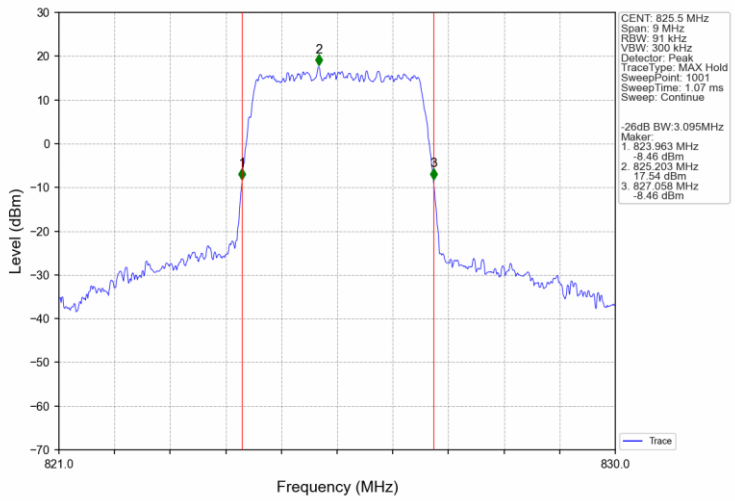
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



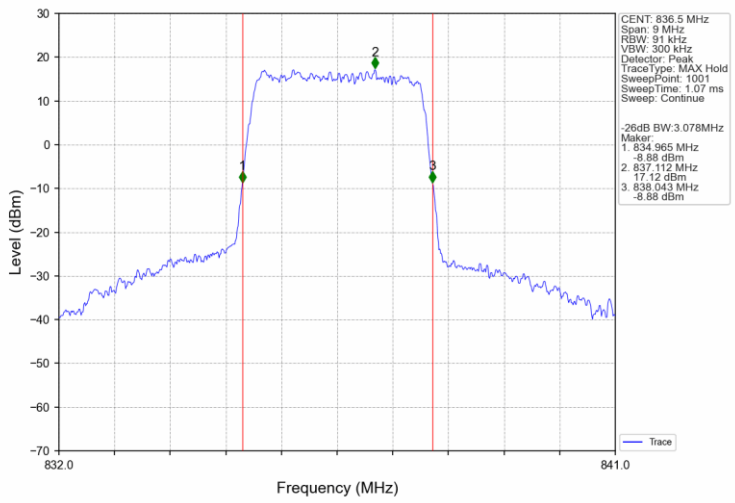
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



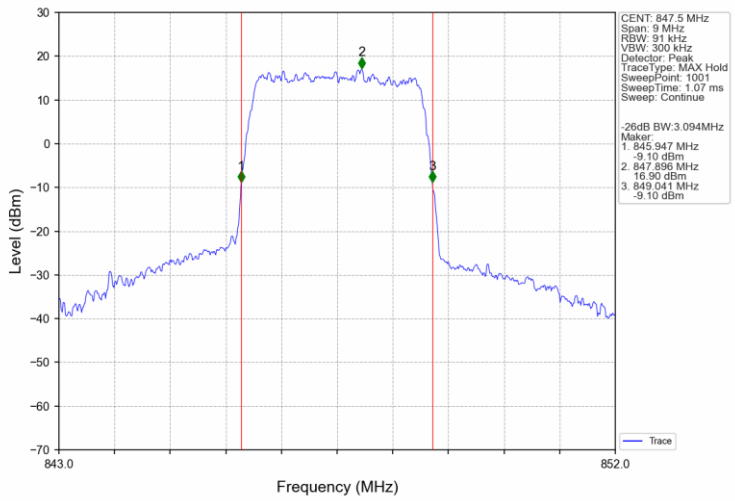
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



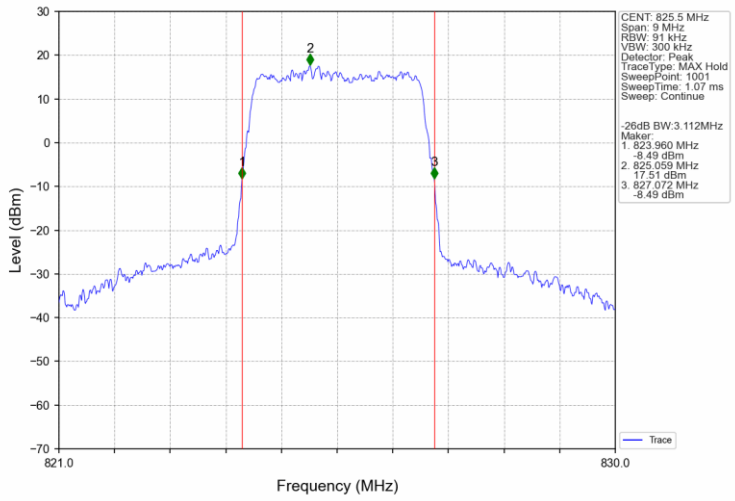
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



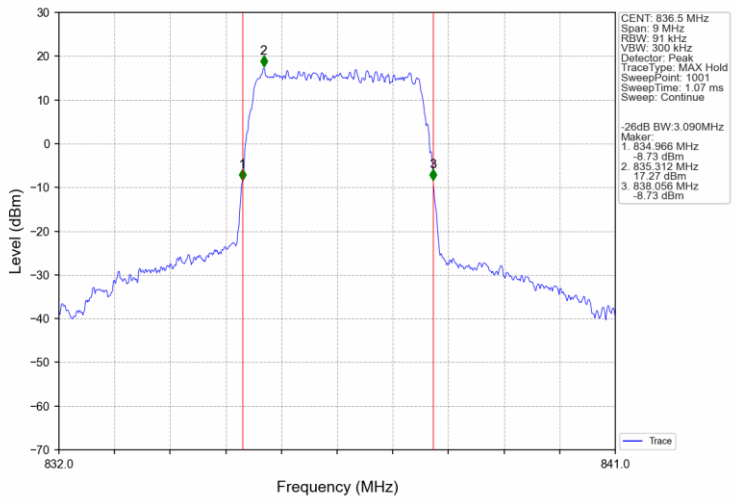
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



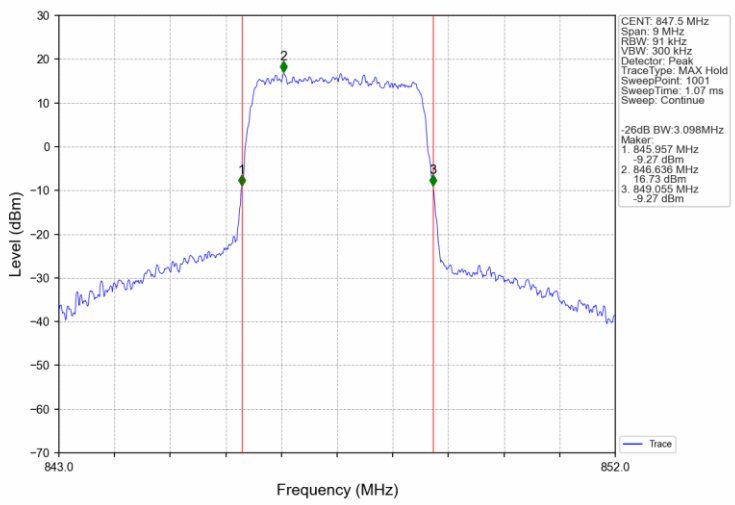
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



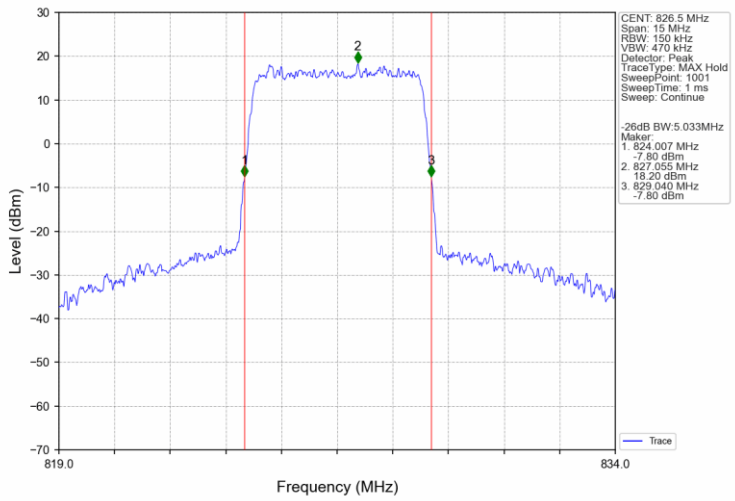
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



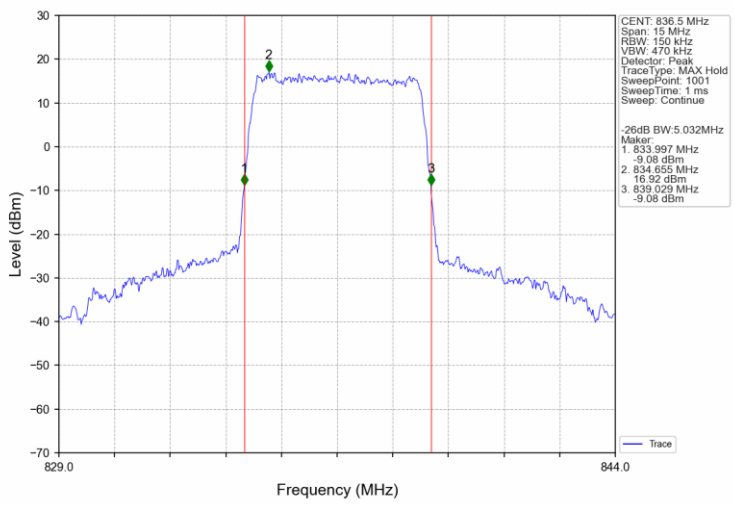
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



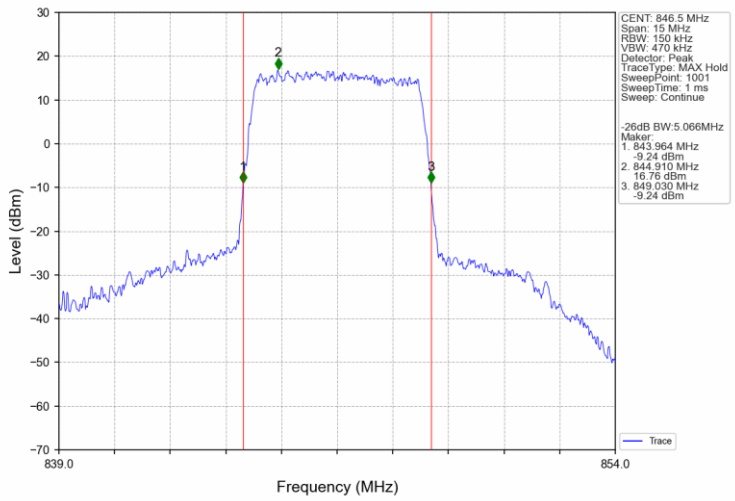
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



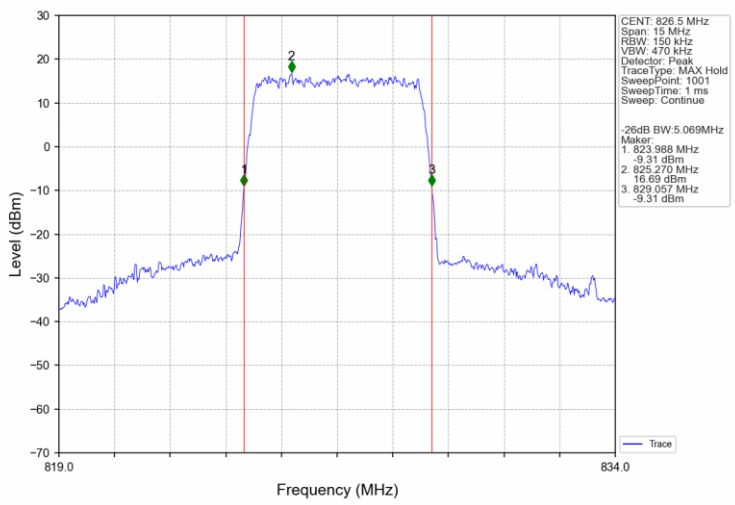
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



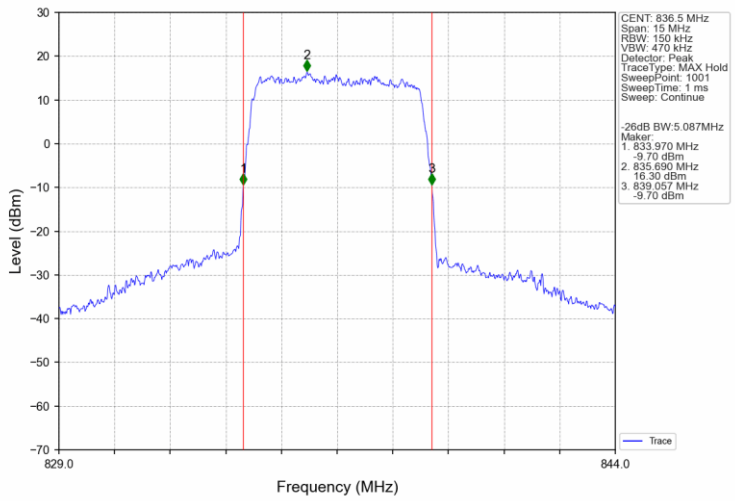
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



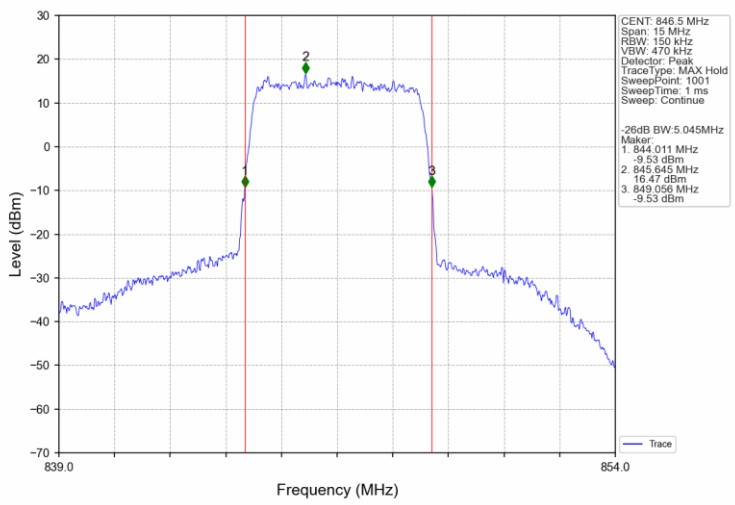
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



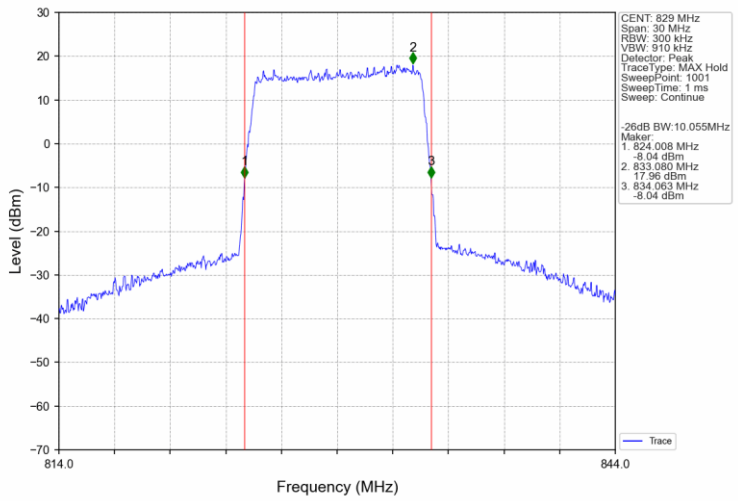
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



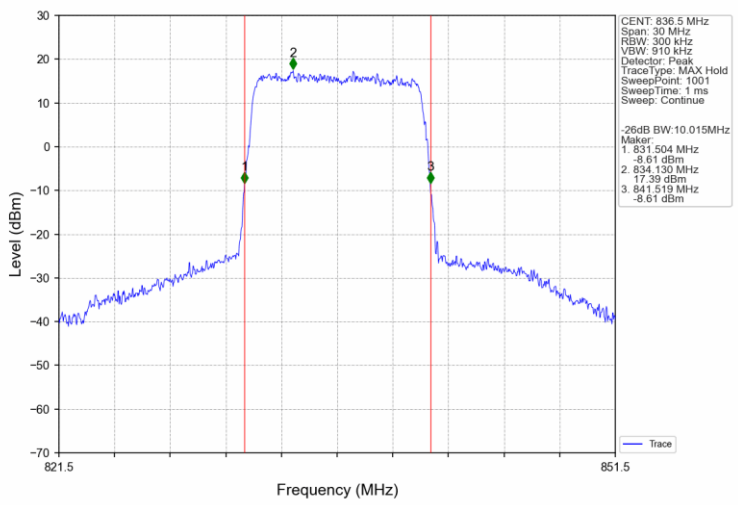
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



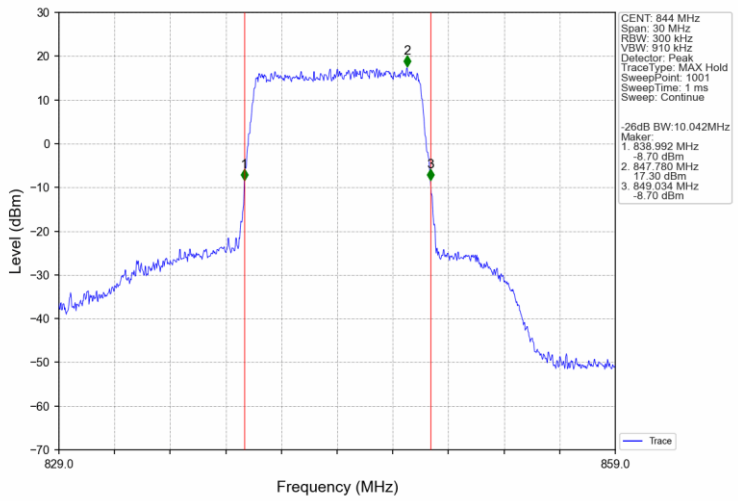
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



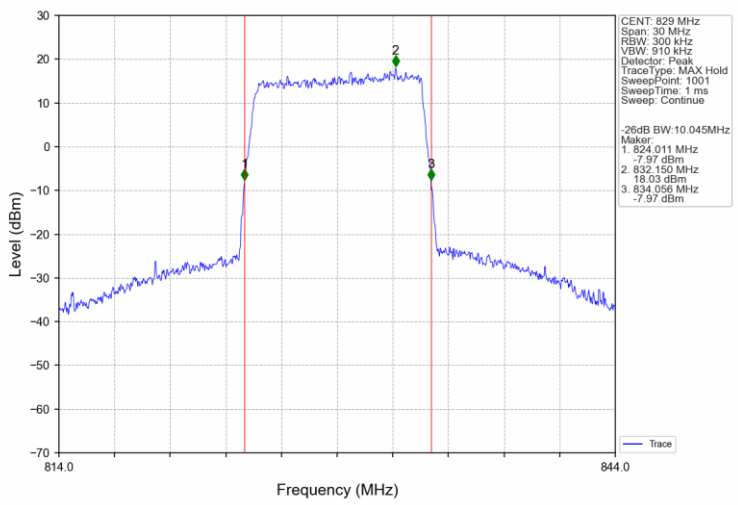
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



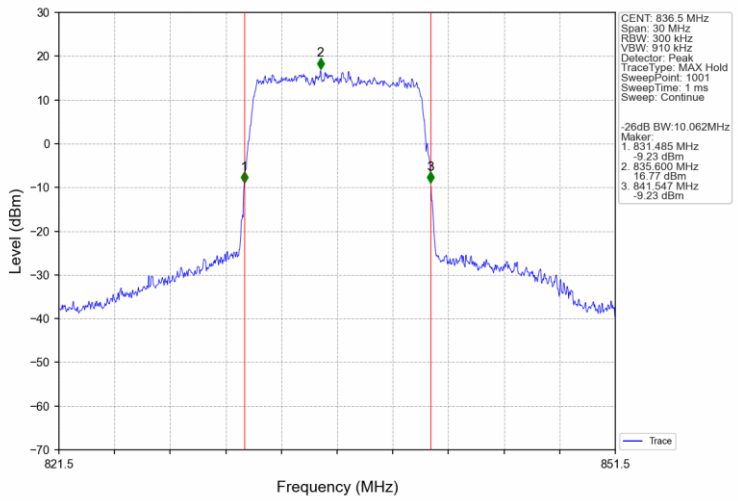
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



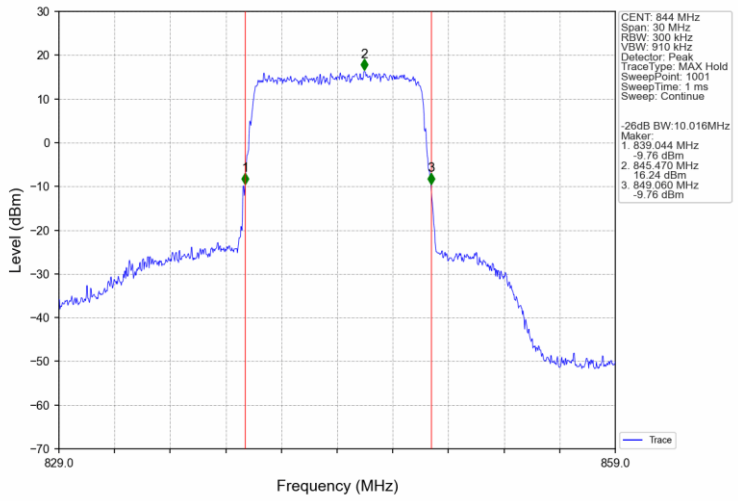
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	5.73	<=13	Pass
	836.5	6	0	5.85	<=13	Pass
	848.3	6	0	5.70	<=13	Pass
16QAM	824.7	6	0	6.44	<=13	Pass
	836.5	6	0	6.71	<=13	Pass
	848.3	6	0	6.36	<=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	5.77	<=13	Pass
	836.5	15	0	5.87	<=13	Pass
	847.5	15	0	5.70	<=13	Pass
16QAM	825.5	15	0	5.79	<=13	Pass
	836.5	15	0	5.86	<=13	Pass
	847.5	15	0	5.67	<=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	5.76	<=13	Pass
	836.5	25	0	5.78	<=13	Pass
	846.5	25	0	5.69	<=13	Pass
16QAM	826.5	25	0	6.39	<=13	Pass
	836.5	25	0	6.60	<=13	Pass
	846.5	25	0	6.47	<=13	Pass

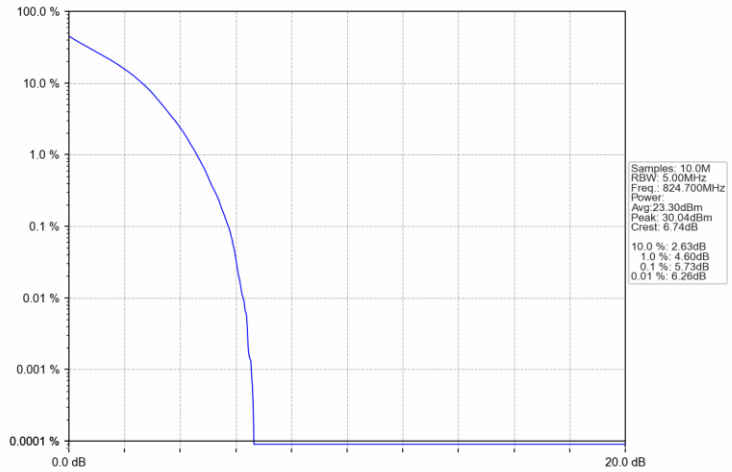
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.85	<=13	Pass
	836.5	50	0	5.71	<=13	Pass
	844	50	0	5.83	<=13	Pass
16QAM	829	50	0	6.53	<=13	Pass
	836.5	50	0	6.53	<=13	Pass
	844	50	0	6.54	<=13	Pass

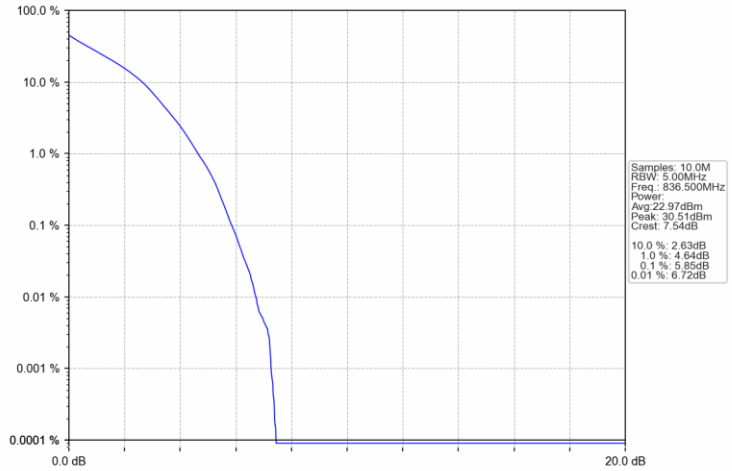
5.2 Test Graph

5.2.1 B5_1.4MHz

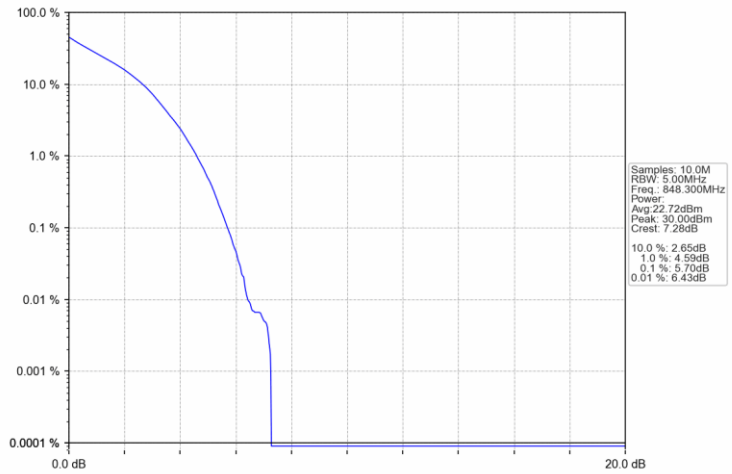
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



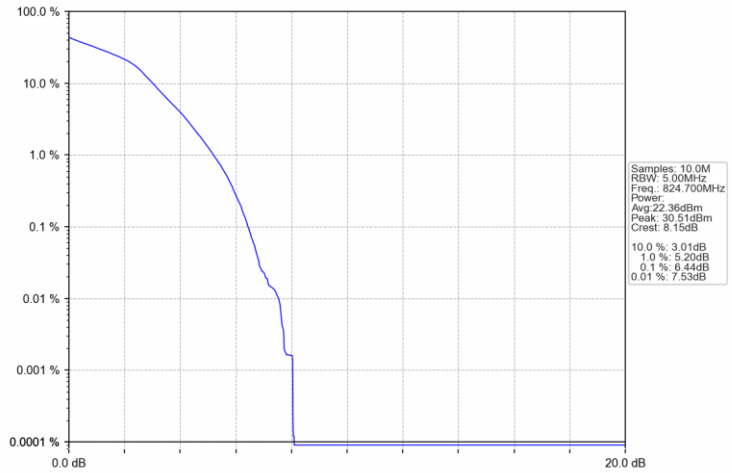
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



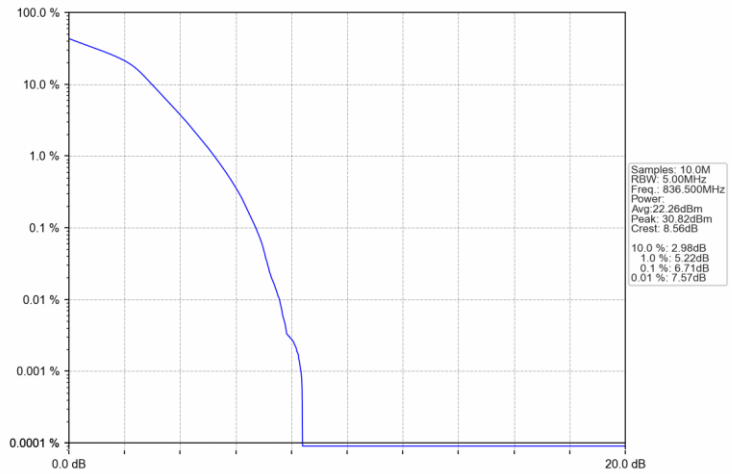
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



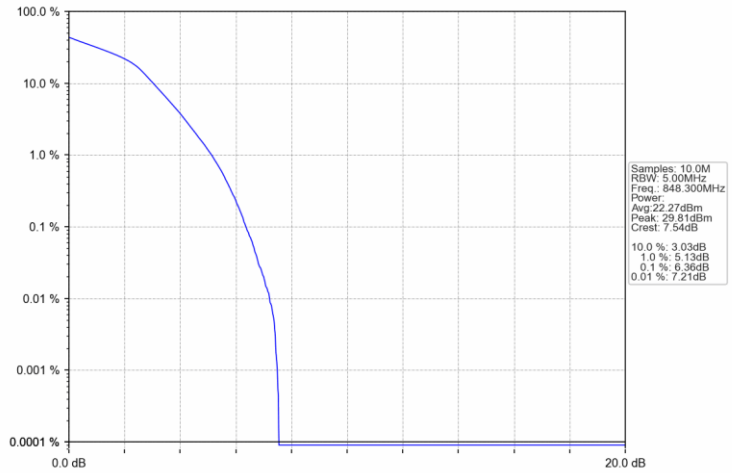
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

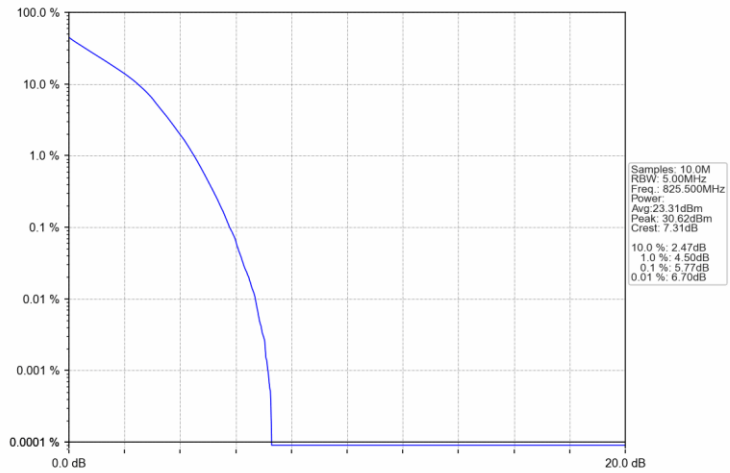


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

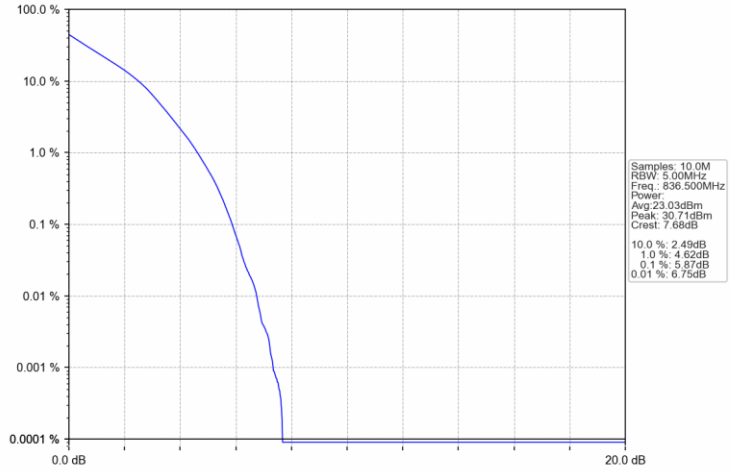


5.2.2 B5_3MHz

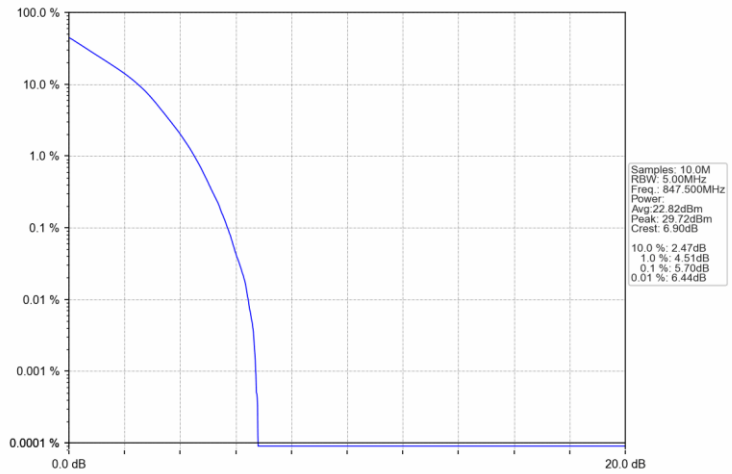
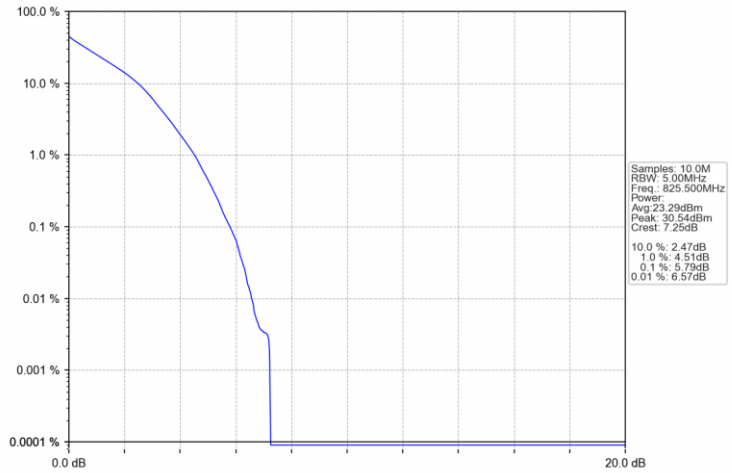
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



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