

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	22.51	-1.6	18.76	<=38.45	Pass
			2	22.56	-1.6	18.81	<=38.45	Pass
			5	22.49	-1.6	18.74	<=38.45	Pass
		3	0	22.59	-1.6	18.84	<=38.45	Pass
			2	22.57	-1.6	18.82	<=38.45	Pass
			3	22.49	-1.6	18.74	<=38.45	Pass
		6	0	21.92	-1.6	18.17	<=38.45	Pass
	836.5	1	0	22.59	-1.6	18.84	<=38.45	Pass
			2	22.69	-1.6	18.94	<=38.45	Pass
			5	22.72	-1.6	18.97	<=38.45	Pass
		3	0	22.56	-1.6	18.81	<=38.45	Pass
			2	22.54	-1.6	18.79	<=38.45	Pass
			3	22.55	-1.6	18.80	<=38.45	Pass
		6	0	22.01	-1.6	18.26	<=38.45	Pass
	848.3	1	0	22.44	-1.6	18.69	<=38.45	Pass
			2	22.52	-1.6	18.77	<=38.45	Pass
			5	22.47	-1.6	18.72	<=38.45	Pass
		3	0	22.46	-1.6	18.71	<=38.45	Pass
			2	22.27	-1.6	18.52	<=38.45	Pass
			3	22.36	-1.6	18.61	<=38.45	Pass
		6	0	21.31	-1.6	17.56	<=38.45	Pass
16QAM	824.7	1	0	21.97	-1.6	18.22	<=38.45	Pass
			2	21.89	-1.6	18.14	<=38.45	Pass
			5	21.85	-1.6	18.10	<=38.45	Pass
		3	0	21.58	-1.6	17.83	<=38.45	Pass
			2	21.58	-1.6	17.83	<=38.45	Pass
			3	21.55	-1.6	17.80	<=38.45	Pass
		6	0	20.93	-1.6	17.18	<=38.45	Pass
	836.5	1	0	22.30	-1.6	18.55	<=38.45	Pass
			2	22.55	-1.6	18.80	<=38.45	Pass
			5	22.62	-1.6	18.87	<=38.45	Pass
		3	0	21.93	-1.6	18.18	<=38.45	Pass
			2	21.72	-1.6	17.97	<=38.45	Pass
			3	21.74	-1.6	17.99	<=38.45	Pass
		6	0	20.93	-1.6	17.18	<=38.45	Pass
	848.3	1	0	21.26	-1.6	17.51	<=38.45	Pass
			2	21.22	-1.6	17.47	<=38.45	Pass
			5	21.22	-1.6	17.47	<=38.45	Pass
		3	0	20.89	-1.6	17.14	<=38.45	Pass
			2	20.78	-1.6	17.03	<=38.45	Pass
			3	20.84	-1.6	17.09	<=38.45	Pass
		6	0	21.15	-1.6	17.40	<=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	22.62	-1.6	18.87	<=38.45	Pass
			7	22.60	-1.6	18.85	<=38.45	Pass
			14	22.53	-1.6	18.78	<=38.45	Pass
		8	0	21.92	-1.6	18.17	<=38.45	Pass
			4	21.84	-1.6	18.09	<=38.45	Pass
			7	21.61	-1.6	17.86	<=38.45	Pass
		15	0	21.91	-1.6	18.16	<=38.45	Pass
	836.5	1	0	22.77	-1.6	19.02	<=38.45	Pass
			7	22.63	-1.6	18.88	<=38.45	Pass
			14	22.65	-1.6	18.90	<=38.45	Pass
		8	0	21.66	-1.6	17.91	<=38.45	Pass
			4	22.00	-1.6	18.25	<=38.45	Pass
			7	21.98	-1.6	18.23	<=38.45	Pass
		15	0	21.96	-1.6	18.21	<=38.45	Pass
	847.5	1	0	22.66	-1.6	18.91	<=38.45	Pass
			7	22.42	-1.6	18.67	<=38.45	Pass
			14	22.39	-1.6	18.64	<=38.45	Pass
		8	0	21.67	-1.6	17.92	<=38.45	Pass
			4	21.49	-1.6	17.74	<=38.45	Pass
			7	21.48	-1.6	17.73	<=38.45	Pass
		15	0	21.46	-1.6	17.71	<=38.45	Pass
16QAM	825.5	1	0	22.30	-1.6	18.55	<=38.45	Pass
			7	22.30	-1.6	18.55	<=38.45	Pass
			14	21.96	-1.6	18.21	<=38.45	Pass
		8	0	21.01	-1.6	17.26	<=38.45	Pass
			4	21.01	-1.6	17.26	<=38.45	Pass
			7	21.12	-1.6	17.37	<=38.45	Pass
		15	0	20.83	-1.6	17.08	<=38.45	Pass
	836.5	1	0	21.70	-1.6	17.95	<=38.45	Pass
			7	21.96	-1.6	18.21	<=38.45	Pass
			14	22.00	-1.6	18.25	<=38.45	Pass
		8	0	21.16	-1.6	17.41	<=38.45	Pass
			4	21.12	-1.6	17.37	<=38.45	Pass
			7	21.10	-1.6	17.35	<=38.45	Pass
		15	0	20.92	-1.6	17.17	<=38.45	Pass
	847.5	1	0	22.74	-1.6	18.99	<=38.45	Pass
			7	22.64	-1.6	18.89	<=38.45	Pass
			14	22.53	-1.6	18.78	<=38.45	Pass
		8	0	20.69	-1.6	16.94	<=38.45	Pass
			4	20.53	-1.6	16.78	<=38.45	Pass
			7	21.07	-1.6	17.32	<=38.45	Pass
		15	0	20.54	-1.6	16.79	<=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	22.58	-1.6	18.83	<=38.45	Pass
			13	22.46	-1.6	18.71	<=38.45	Pass
			24	22.56	-1.6	18.81	<=38.45	Pass
		12	0	21.84	-1.6	18.09	<=38.45	Pass
			6	21.58	-1.6	17.83	<=38.45	Pass
			13	21.56	-1.6	17.81	<=38.45	Pass
		25	0	21.58	-1.6	17.83	<=38.45	Pass

	836.5	1	0	22.49	-1.6	18.74	<=38.45	Pass
			13	22.41	-1.6	18.66	<=38.45	Pass
			24	22.23	-1.6	18.48	<=38.45	Pass
		12	0	21.64	-1.6	17.89	<=38.45	Pass
			6	21.95	-1.6	18.20	<=38.45	Pass
			13	22.01	-1.6	18.26	<=38.45	Pass
		25	0	21.98	-1.6	18.23	<=38.45	Pass
	846.5	1	0	22.55	-1.6	18.80	<=38.45	Pass
			13	22.60	-1.6	18.85	<=38.45	Pass
			24	22.43	-1.6	18.68	<=38.45	Pass
		12	0	22.13	-1.6	18.38	<=38.45	Pass
			6	21.64	-1.6	17.89	<=38.45	Pass
			13	21.64	-1.6	17.89	<=38.45	Pass
		25	0	21.66	-1.6	17.91	<=38.45	Pass
16QAM	826.5	1	0	21.77	-1.6	18.02	<=38.45	Pass
			13	21.40	-1.6	17.65	<=38.45	Pass
			24	21.50	-1.6	17.75	<=38.45	Pass
		12	0	20.85	-1.6	17.10	<=38.45	Pass
			6	20.88	-1.6	17.13	<=38.45	Pass
			13	20.89	-1.6	17.14	<=38.45	Pass
		25	0	21.06	-1.6	17.31	<=38.45	Pass
	836.5	1	0	22.22	-1.6	18.47	<=38.45	Pass
			13	22.53	-1.6	18.78	<=38.45	Pass
			24	22.27	-1.6	18.52	<=38.45	Pass
		12	0	21.04	-1.6	17.29	<=38.45	Pass
			6	21.05	-1.6	17.30	<=38.45	Pass
			13	21.07	-1.6	17.32	<=38.45	Pass
		25	0	21.07	-1.6	17.32	<=38.45	Pass
	846.5	1	0	22.55	-1.6	18.80	<=38.45	Pass
			13	22.10	-1.6	18.35	<=38.45	Pass
			24	21.97	-1.6	18.22	<=38.45	Pass
		12	0	20.93	-1.6	17.18	<=38.45	Pass
			6	20.71	-1.6	16.96	<=38.45	Pass
			13	20.67	-1.6	16.92	<=38.45	Pass
		25	0	20.61	-1.6	16.86	<=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	22.45	-1.6	18.70	<=38.45	Pass
			25	22.50	-1.6	18.75	<=38.45	Pass
			49	22.50	-1.6	18.75	<=38.45	Pass
		25	0	21.41	-1.6	17.66	<=38.45	Pass
			13	21.58	-1.6	17.83	<=38.45	Pass
			25	21.49	-1.6	17.74	<=38.45	Pass
		50	0	21.41	-1.6	17.66	<=38.45	Pass
	836.5	1	0	22.58	-1.6	18.83	<=38.45	Pass
			25	22.61	-1.6	18.86	<=38.45	Pass
			49	22.61	-1.6	18.86	<=38.45	Pass
		25	0	21.69	-1.6	17.94	<=38.45	Pass
			13	21.91	-1.6	18.16	<=38.45	Pass
			25	21.66	-1.6	17.91	<=38.45	Pass
		50	0	22.04	-1.6	18.29	<=38.45	Pass
	844	1	0	22.92	-1.6	19.17	<=38.45	Pass
			25	23.12	-1.6	19.37	<=38.45	Pass

16QAM	829	25	49	22.60	-1.6	18.85	<=38.45	Pass
			0	21.52	-1.6	17.77	<=38.45	Pass
			13	21.99	-1.6	18.24	<=38.45	Pass
			25	21.61	-1.6	17.86	<=38.45	Pass
		50	0	21.97	-1.6	18.22	<=38.45	Pass
	836.5	1	0	22.13	-1.6	18.38	<=38.45	Pass
			25	21.65	-1.6	17.90	<=38.45	Pass
			49	21.75	-1.6	18.00	<=38.45	Pass
		25	0	20.96	-1.6	17.21	<=38.45	Pass
			13	20.93	-1.6	17.18	<=38.45	Pass
			25	20.52	-1.6	16.77	<=38.45	Pass
		50	0	20.96	-1.6	17.21	<=38.45	Pass
		1	0	21.34	-1.6	17.59	<=38.45	Pass
			25	21.84	-1.6	18.09	<=38.45	Pass
			49	21.51	-1.6	17.76	<=38.45	Pass
		25	0	21.04	-1.6	17.29	<=38.45	Pass
			13	21.03	-1.6	17.28	<=38.45	Pass
			25	21.06	-1.6	17.31	<=38.45	Pass
	844	1	0	21.00	-1.6	17.25	<=38.45	Pass
			0	22.07	-1.6	18.32	<=38.45	Pass
			25	22.55	-1.6	18.80	<=38.45	Pass
		25	49	22.04	-1.6	18.29	<=38.45	Pass
			0	20.60	-1.6	16.85	<=38.45	Pass
			13	21.11	-1.6	17.36	<=38.45	Pass
		50	25	20.83	-1.6	17.08	<=38.45	Pass
			0	21.01	-1.6	17.26	<=38.45	Pass
			0	21.01	-1.6	17.26	<=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	-25.191	-0.0305	-2.5 to 2.5	Pass
					3.85	11.258	0.0137	-2.5 to 2.5	Pass
					4.43	24.147	0.0293	-2.5 to 2.5	Pass
				-30	3.85	20.785	0.0252	-2.5 to 2.5	Pass
				-20	3.85	13.289	0.0161	-2.5 to 2.5	Pass
				-10	3.85	39.310	0.0477	-2.5 to 2.5	Pass
				0	3.85	16.866	0.0205	-2.5 to 2.5	Pass
				10	3.85	39.282	0.0476	-2.5 to 2.5	Pass
				30	3.85	8.869	0.0108	-2.5 to 2.5	Pass
				40	3.85	24.819	0.0301	-2.5 to 2.5	Pass
				50	3.85	44.389	0.0538	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-16.994	-0.0203	-2.5 to 2.5	Pass
					3.85	-38.166	-0.0456	-2.5 to 2.5	Pass
					4.43	-16.179	-0.0193	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0011	-2.5 to 2.5	Pass
				-20	3.85	14.691	0.0176	-2.5 to 2.5	Pass
				-10	3.85	15.764	0.0188	-2.5 to 2.5	Pass
				0	3.85	26.493	0.0317	-2.5 to 2.5	Pass
				10	3.85	35.806	0.0428	-2.5 to 2.5	Pass

	848.3	6	0	30	3.85	43.516	0.0520	-2.5 to 2.5	Pass
				40	3.85	45.376	0.0542	-2.5 to 2.5	Pass
				50	3.85	28.739	0.0344	-2.5 to 2.5	Pass
				20	3.27	-22.759	-0.0268	-2.5 to 2.5	Pass
					3.85	32.101	0.0378	-2.5 to 2.5	Pass
					4.43	42.758	0.0504	-2.5 to 2.5	Pass
				-30	3.85	4.706	0.0055	-2.5 to 2.5	Pass
				-20	3.85	44.246	0.0522	-2.5 to 2.5	Pass
				-10	3.85	26.078	0.0307	-2.5 to 2.5	Pass
				0	3.85	16.479	0.0194	-2.5 to 2.5	Pass
				10	3.85	31.443	0.0371	-2.5 to 2.5	Pass
				30	3.85	5.322	0.0063	-2.5 to 2.5	Pass
				40	3.85	17.052	0.0201	-2.5 to 2.5	Pass
				50	3.85	34.561	0.0407	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	22.960	0.0278	-2.5 to 2.5	Pass
					3.85	26.650	0.0323	-2.5 to 2.5	Pass
					4.43	26.064	0.0316	-2.5 to 2.5	Pass
				-30	3.85	26.736	0.0324	-2.5 to 2.5	Pass
				-20	3.85	29.697	0.0360	-2.5 to 2.5	Pass
				-10	3.85	35.291	0.0428	-2.5 to 2.5	Pass
				0	3.85	43.802	0.0531	-2.5 to 2.5	Pass
				10	3.85	44.217	0.0536	-2.5 to 2.5	Pass
				30	3.85	4.177	0.0051	-2.5 to 2.5	Pass
				40	3.85	8.898	0.0108	-2.5 to 2.5	Pass
	836.5	6	0	50	3.85	10.543	0.0128	-2.5 to 2.5	Pass
				20	3.27	8.054	0.0096	-2.5 to 2.5	Pass
					3.85	9.842	0.0118	-2.5 to 2.5	Pass
					4.43	6.924	0.0083	-2.5 to 2.5	Pass
				-30	3.85	3.104	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.995	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-13.862	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-20.628	-0.0247	-2.5 to 2.5	Pass
				30	3.85	-24.204	-0.0289	-2.5 to 2.5	Pass
	848.3	6	0	40	3.85	-27.967	-0.0334	-2.5 to 2.5	Pass
				50	3.85	-31.271	-0.0374	-2.5 to 2.5	Pass
				20	3.27	9.828	0.0116	-2.5 to 2.5	Pass
					3.85	19.755	0.0233	-2.5 to 2.5	Pass
					4.43	23.990	0.0283	-2.5 to 2.5	Pass
				-30	3.85	30.684	0.0362	-2.5 to 2.5	Pass
				-20	3.85	35.377	0.0417	-2.5 to 2.5	Pass
				-10	3.85	46.234	0.0545	-2.5 to 2.5	Pass
				0	3.85	16.065	0.0189	-2.5 to 2.5	Pass
				10	3.85	25.492	0.0301	-2.5 to 2.5	Pass
				30	3.85	38.538	0.0454	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				50	3.85	10.772	0.0127	-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	-30.198	-0.0366	-2.5 to 2.5	Pass
					3.85	13.204	0.0160	-2.5 to 2.5	Pass
					4.43	33.402	0.0405	-2.5 to 2.5	Pass
				-30	3.85	20.242	0.0245	-2.5 to 2.5	Pass
				-20	3.85	45.419	0.0550	-2.5 to 2.5	Pass

				-10	3.85	14.892	0.0180	-2.5 to 2.5	Pass
				0	3.85	30.398	0.0368	-2.5 to 2.5	Pass
				10	3.85	40.412	0.0490	-2.5 to 2.5	Pass
				30	3.85	7.124	0.0086	-2.5 to 2.5	Pass
				40	3.85	12.331	0.0149	-2.5 to 2.5	Pass
				50	3.85	20.270	0.0246	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-30.527	-0.0365	-2.5 to 2.5	Pass
					3.85	1.101	0.0013	-2.5 to 2.5	Pass
					4.43	24.219	0.0290	-2.5 to 2.5	Pass
				-30	3.85	42.558	0.0509	-2.5 to 2.5	Pass
				-20	3.85	0.401	0.0005	-2.5 to 2.5	Pass
				-10	3.85	11.973	0.0143	-2.5 to 2.5	Pass
				0	3.85	10.700	0.0128	-2.5 to 2.5	Pass
				10	3.85	8.740	0.0104	-2.5 to 2.5	Pass
				30	3.85	11.516	0.0138	-2.5 to 2.5	Pass
				40	3.85	7.424	0.0089	-2.5 to 2.5	Pass
				50	3.85	14.234	0.0170	-2.5 to 2.5	Pass
				20	3.27	-34.347	-0.0405	-2.5 to 2.5	Pass
					3.85	36.120	0.0426	-2.5 to 2.5	Pass
					4.43	20.986	0.0248	-2.5 to 2.5	Pass
	847.5	15	0	-30	3.85	12.045	0.0142	-2.5 to 2.5	Pass
				-20	3.85	34.046	0.0402	-2.5 to 2.5	Pass
				-10	3.85	16.665	0.0197	-2.5 to 2.5	Pass
				0	3.85	42.415	0.0500	-2.5 to 2.5	Pass
				10	3.85	22.874	0.0270	-2.5 to 2.5	Pass
				30	3.85	45.090	0.0532	-2.5 to 2.5	Pass
				40	3.85	19.026	0.0224	-2.5 to 2.5	Pass
				50	3.85	38.710	0.0457	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	27.866	0.0338	-2.5 to 2.5	Pass
					3.85	34.475	0.0418	-2.5 to 2.5	Pass
					4.43	20.485	0.0248	-2.5 to 2.5	Pass
				-30	3.85	11.473	0.0139	-2.5 to 2.5	Pass
				-20	3.85	7.668	0.0093	-2.5 to 2.5	Pass
				-10	3.85	5.164	0.0063	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0017	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	18.768	0.0224	-2.5 to 2.5	Pass
					3.85	14.348	0.0172	-2.5 to 2.5	Pass
					4.43	2.017	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-6.652	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-11.988	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-21.272	-0.0254	-2.5 to 2.5	Pass
				0	3.85	-21.286	-0.0254	-2.5 to 2.5	Pass
				10	3.85	-27.494	-0.0329	-2.5 to 2.5	Pass
				30	3.85	-33.503	-0.0401	-2.5 to 2.5	Pass
				40	3.85	-42.000	-0.0502	-2.5 to 2.5	Pass
				50	3.85	-43.859	-0.0524	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	4.935	0.0058	-2.5 to 2.5	Pass
					3.85	8.883	0.0105	-2.5 to 2.5	Pass
					4.43	14.434	0.0170	-2.5 to 2.5	Pass
				-30	3.85	16.708	0.0197	-2.5 to 2.5	Pass
				-20	3.85	23.260	0.0274	-2.5 to 2.5	Pass
				-10	3.85	26.922	0.0318	-2.5 to 2.5	Pass
				0	3.85	33.903	0.0400	-2.5 to 2.5	Pass
				10	3.85	43.774	0.0517	-2.5 to 2.5	Pass
				30	3.85	41.542	0.0490	-2.5 to 2.5	Pass



				40	3.85	7.710	0.0091	-2.5 to 2.5	Pass
				50	3.85	5.293	0.0062	-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	-7.610	-0.0092	-2.5 to 2.5	Pass
					3.85	39.353	0.0476	-2.5 to 2.5	Pass
					4.43	19.684	0.0238	-2.5 to 2.5	Pass
				-30	3.85	35.462	0.0429	-2.5 to 2.5	Pass
				-20	3.85	9.913	0.0120	-2.5 to 2.5	Pass
				-10	3.85	21.386	0.0259	-2.5 to 2.5	Pass
				0	3.85	34.046	0.0412	-2.5 to 2.5	Pass
				10	3.85	42.615	0.0516	-2.5 to 2.5	Pass
				30	3.85	8.068	0.0098	-2.5 to 2.5	Pass
				40	3.85	20.213	0.0245	-2.5 to 2.5	Pass
				50	3.85	26.879	0.0325	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-31.142	-0.0372	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0061	-2.5 to 2.5	Pass
					4.43	19.197	0.0229	-2.5 to 2.5	Pass
				-30	3.85	39.454	0.0472	-2.5 to 2.5	Pass
				-20	3.85	9.627	0.0115	-2.5 to 2.5	Pass
				-10	3.85	22.030	0.0263	-2.5 to 2.5	Pass
				0	3.85	30.613	0.0366	-2.5 to 2.5	Pass
				10	3.85	36.564	0.0437	-2.5 to 2.5	Pass
				30	3.85	41.599	0.0497	-2.5 to 2.5	Pass
				40	3.85	44.932	0.0537	-2.5 to 2.5	Pass
				50	3.85	38.753	0.0463	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-35.634	-0.0421	-2.5 to 2.5	Pass
					3.85	23.632	0.0279	-2.5 to 2.5	Pass
					4.43	31.314	0.0370	-2.5 to 2.5	Pass
				-30	3.85	30.069	0.0355	-2.5 to 2.5	Pass
				-20	3.85	14.133	0.0167	-2.5 to 2.5	Pass
				-10	3.85	41.928	0.0495	-2.5 to 2.5	Pass
				0	3.85	14.777	0.0175	-2.5 to 2.5	Pass
				10	3.85	32.802	0.0388	-2.5 to 2.5	Pass
				30	3.85	9.799	0.0116	-2.5 to 2.5	Pass
				40	3.85	31.199	0.0369	-2.5 to 2.5	Pass
				50	3.85	3.619	0.0043	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	22.202	0.0269	-2.5 to 2.5	Pass
					3.85	23.718	0.0287	-2.5 to 2.5	Pass
					4.43	16.451	0.0199	-2.5 to 2.5	Pass
				-30	3.85	15.864	0.0192	-2.5 to 2.5	Pass
				-20	3.85	18.239	0.0221	-2.5 to 2.5	Pass
				-10	3.85	12.560	0.0152	-2.5 to 2.5	Pass
				0	3.85	6.967	0.0084	-2.5 to 2.5	Pass
				10	3.85	9.656	0.0117	-2.5 to 2.5	Pass
				30	3.85	14.534	0.0176	-2.5 to 2.5	Pass
				40	3.85	9.842	0.0119	-2.5 to 2.5	Pass
				50	3.85	12.460	0.0151	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	6.208	0.0074	-2.5 to 2.5	Pass
					3.85	0.916	0.0011	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-14.505	-0.0173	-2.5 to 2.5	Pass
				-20	3.85	-25.592	-0.0306	-2.5 to 2.5	Pass
				-10	3.85	-28.138	-0.0336	-2.5 to 2.5	Pass

				0	3.85	-35.949	-0.0430	-2.5 to 2.5	Pass
				10	3.85	-39.454	-0.0472	-2.5 to 2.5	Pass
				30	3.85	-42.887	-0.0513	-2.5 to 2.5	Pass
				40	3.85	-37.680	-0.0450	-2.5 to 2.5	Pass
				50	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	26.779	0.0316	-2.5 to 2.5	Pass
					3.85	33.617	0.0397	-2.5 to 2.5	Pass
					4.43	30.627	0.0362	-2.5 to 2.5	Pass
				-30	3.85	31.214	0.0369	-2.5 to 2.5	Pass
				-20	3.85	28.524	0.0337	-2.5 to 2.5	Pass
				-10	3.85	27.251	0.0322	-2.5 to 2.5	Pass
				0	3.85	31.028	0.0367	-2.5 to 2.5	Pass
				10	3.85	32.358	0.0382	-2.5 to 2.5	Pass
				30	3.85	32.659	0.0386	-2.5 to 2.5	Pass
				40	3.85	38.824	0.0459	-2.5 to 2.5	Pass
				50	3.85	42.858	0.0506	-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	-22.473	-0.0271	-2.5 to 2.5	Pass
					3.85	10.028	0.0121	-2.5 to 2.5	Pass
					4.43	33.116	0.0399	-2.5 to 2.5	Pass
				-30	3.85	1.688	0.0020	-2.5 to 2.5	Pass
				-20	3.85	7.124	0.0086	-2.5 to 2.5	Pass
				-10	3.85	17.824	0.0215	-2.5 to 2.5	Pass
				0	3.85	24.390	0.0294	-2.5 to 2.5	Pass
				10	3.85	25.964	0.0313	-2.5 to 2.5	Pass
				30	3.85	28.338	0.0342	-2.5 to 2.5	Pass
				40	3.85	28.324	0.0342	-2.5 to 2.5	Pass
				50	3.85	34.390	0.0415	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-24.476	-0.0293	-2.5 to 2.5	Pass
					3.85	8.984	0.0107	-2.5 to 2.5	Pass
					4.43	42.658	0.0510	-2.5 to 2.5	Pass
				-30	3.85	17.409	0.0208	-2.5 to 2.5	Pass
				-20	3.85	29.140	0.0348	-2.5 to 2.5	Pass
				-10	3.85	36.178	0.0432	-2.5 to 2.5	Pass
				0	3.85	38.610	0.0462	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				30	3.85	4.935	0.0059	-2.5 to 2.5	Pass
				40	3.85	3.533	0.0042	-2.5 to 2.5	Pass
				50	3.85	6.366	0.0076	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-20.871	-0.0247	-2.5 to 2.5	Pass
					3.85	20.185	0.0239	-2.5 to 2.5	Pass
					4.43	10.386	0.0123	-2.5 to 2.5	Pass
				-30	3.85	26.493	0.0314	-2.5 to 2.5	Pass
				-20	3.85	36.922	0.0437	-2.5 to 2.5	Pass
				-10	3.85	9.127	0.0108	-2.5 to 2.5	Pass
				0	3.85	37.451	0.0444	-2.5 to 2.5	Pass
				10	3.85	4.935	0.0058	-2.5 to 2.5	Pass
				30	3.85	22.788	0.0270	-2.5 to 2.5	Pass
				40	3.85	23.060	0.0273	-2.5 to 2.5	Pass
				50	3.85	28.696	0.0340	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	35.148	0.0424	-2.5 to 2.5	Pass
					3.85	-18.325	-0.0221	-2.5 to 2.5	Pass
					4.43	-26.393	-0.0318	-2.5 to 2.5	Pass

				-30	3.85	-32.487	-0.0392	-2.5 to 2.5	Pass
				-20	3.85	-44.074	-0.0532	-2.5 to 2.5	Pass
				-10	3.85	-41.971	-0.0506	-2.5 to 2.5	Pass
				0	3.85	-48.466	-0.0585	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-8.583	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-17.109	-0.0206	-2.5 to 2.5	Pass
				50	3.85	-20.542	-0.0248	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	6.223	0.0074	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0085	-2.5 to 2.5	Pass
					4.43	-11.730	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-20.142	-0.0241	-2.5 to 2.5	Pass
				-20	3.85	-24.090	-0.0288	-2.5 to 2.5	Pass
				-10	3.85	-31.729	-0.0379	-2.5 to 2.5	Pass
				0	3.85	-42.400	-0.0507	-2.5 to 2.5	Pass
				10	3.85	-43.530	-0.0520	-2.5 to 2.5	Pass
				30	3.85	-16.408	-0.0196	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
	844	50	0	20	3.27	30.441	0.0361	-2.5 to 2.5	Pass
					3.85	-13.933	-0.0165	-2.5 to 2.5	Pass
					4.43	-20.213	-0.0239	-2.5 to 2.5	Pass
				-30	3.85	-29.111	-0.0345	-2.5 to 2.5	Pass
				-20	3.85	-31.729	-0.0376	-2.5 to 2.5	Pass
				-10	3.85	-36.078	-0.0427	-2.5 to 2.5	Pass
				0	3.85	-16.794	-0.0199	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-14.734	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-9.770	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

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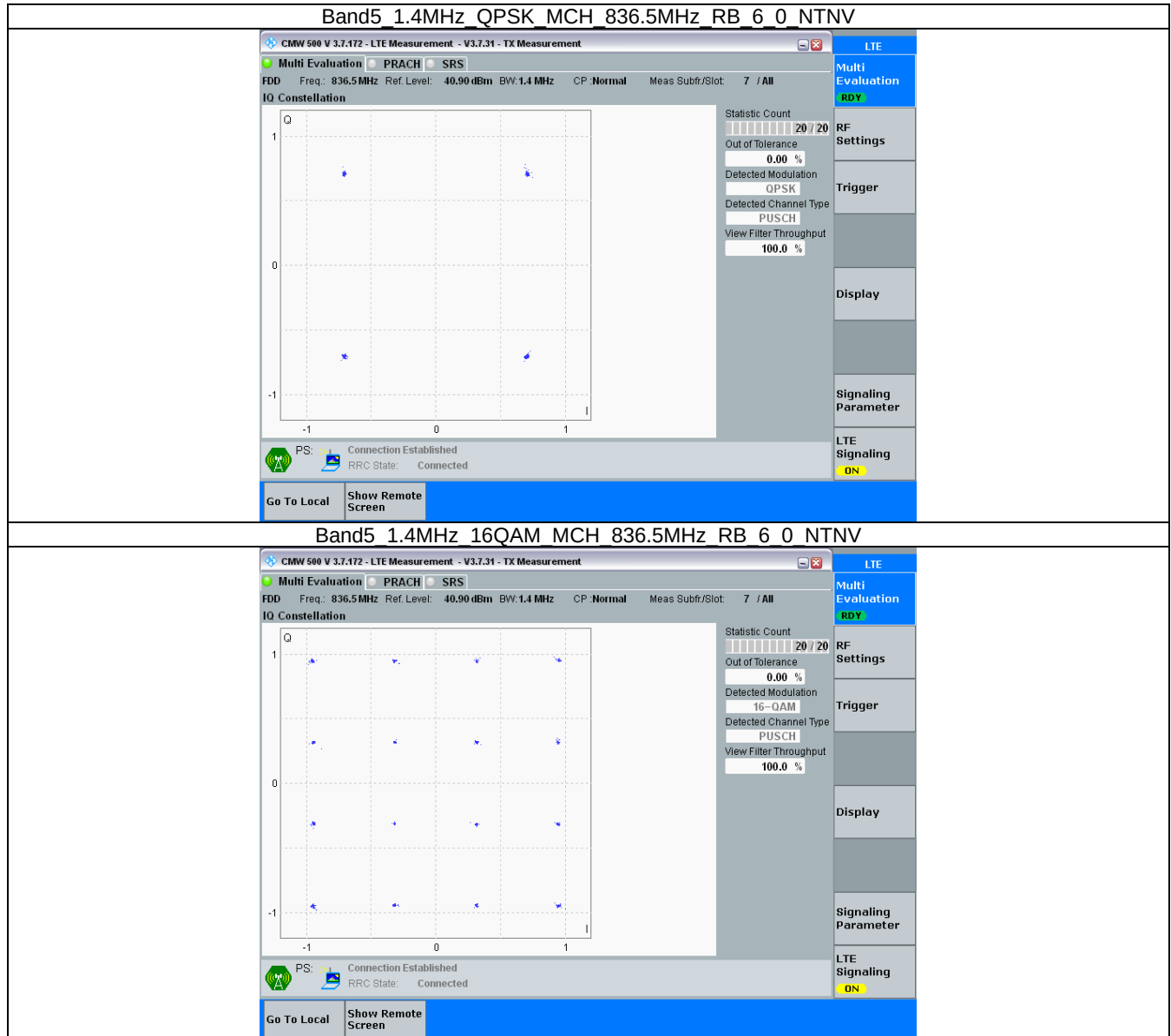
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

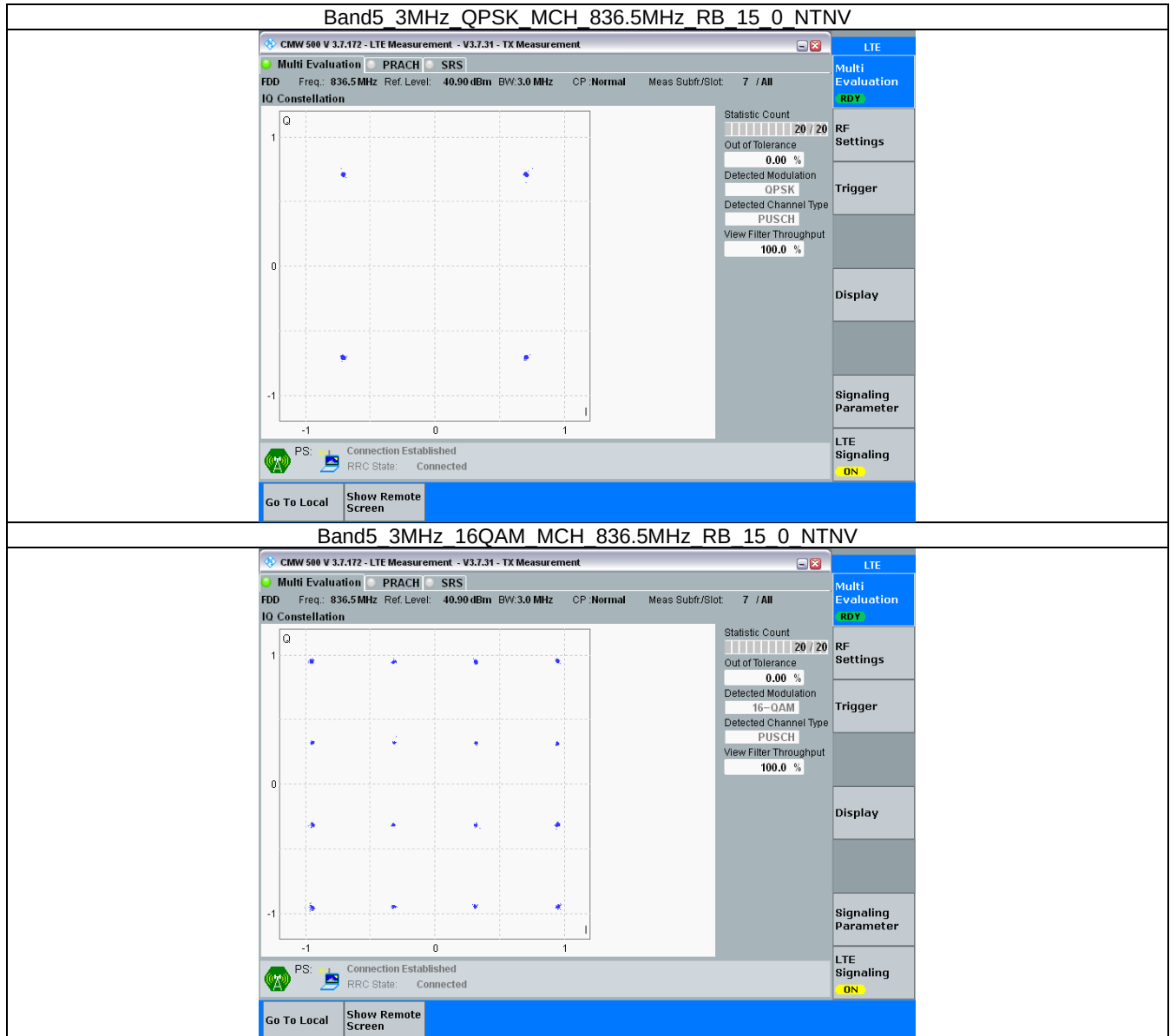
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

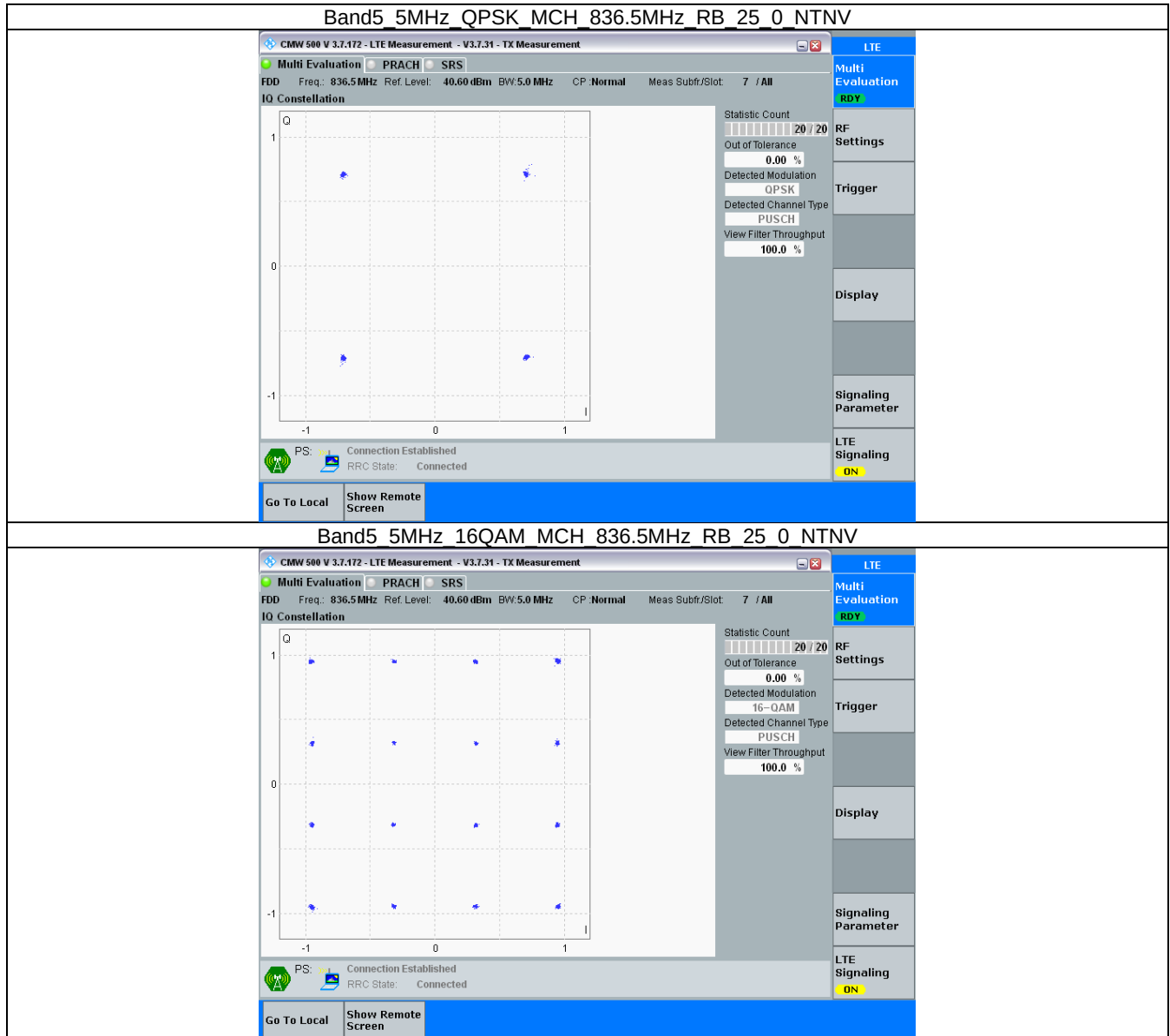
3.2.1 B5_1.4MHz



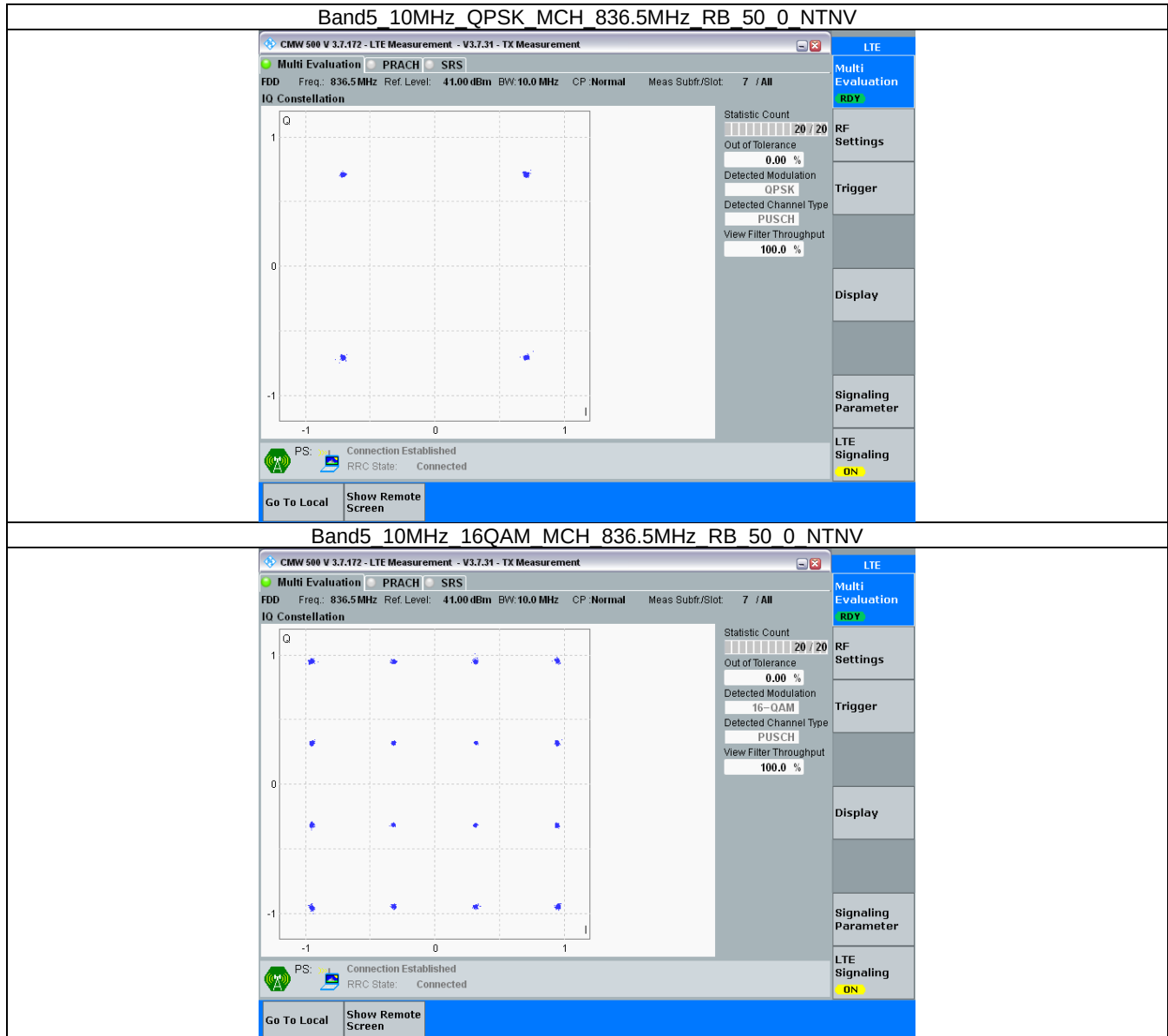
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.110	/	Pass
		836.5	6	0	1.112	/	Pass
		848.3	6	0	1.113	/	Pass
	16QAM	824.7	6	0	1.111	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.119	/	Pass
3	QPSK	825.5	15	0	2.773	/	Pass
		836.5	15	0	2.761	/	Pass
		847.5	15	0	2.761	/	Pass
	16QAM	825.5	15	0	2.757	/	Pass
		836.5	15	0	2.761	/	Pass
		847.5	15	0	2.747	/	Pass
5	QPSK	826.5	25	0	4.556	/	Pass
		836.5	25	0	4.552	/	Pass
		846.5	25	0	4.545	/	Pass
	16QAM	826.5	25	0	4.542	/	Pass
		836.5	25	0	4.568	/	Pass
		846.5	25	0	4.549	/	Pass
10	QPSK	829	50	0	9.082	/	Pass
		836.5	50	0	9.088	/	Pass
		844	50	0	9.025	/	Pass
	16QAM	829	50	0	9.095	/	Pass
		836.5	50	0	9.031	/	Pass
		844	50	0	9.033	/	Pass

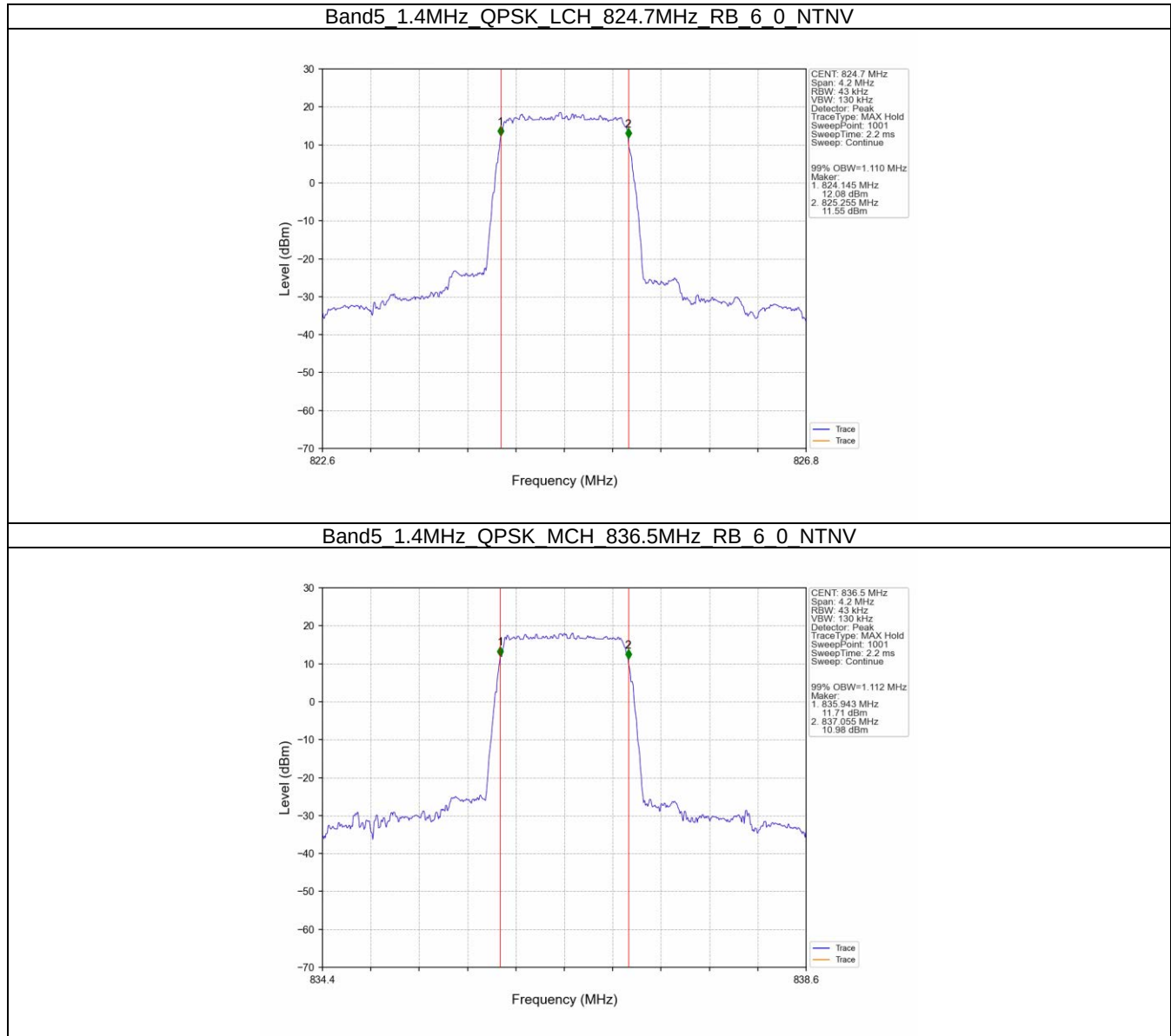
4.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.272	/	Pass
		836.5	6	0	1.262	/	Pass
		848.3	6	0	1.268	/	Pass
	16QAM	824.7	6	0	1.279	/	Pass
		836.5	6	0	1.268	/	Pass
		848.3	6	0	1.285	/	Pass
3	QPSK	825.5	15	0	3.112	/	Pass
		836.5	15	0	3.100	/	Pass
		847.5	15	0	3.081	/	Pass
	16QAM	825.5	15	0	3.083	/	Pass
		836.5	15	0	3.125	/	Pass
		847.5	15	0	3.079	/	Pass
5	QPSK	826.5	25	0	5.042	/	Pass
		836.5	25	0	5.042	/	Pass
		846.5	25	0	5.073	/	Pass

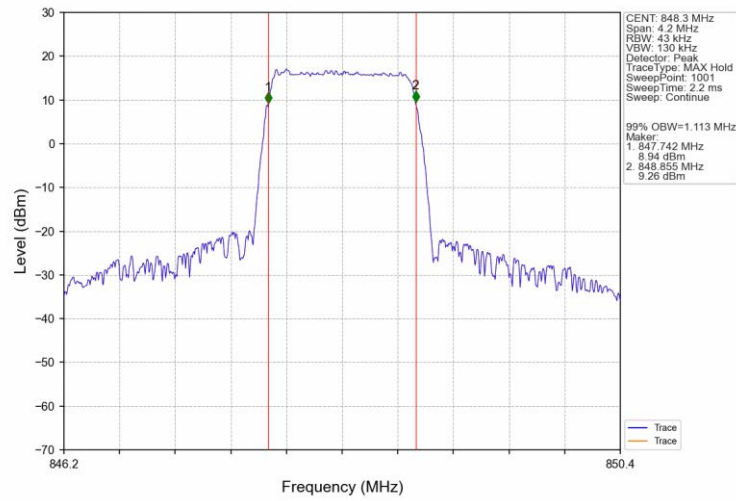
10	16QAM	826.5	25	0	5.053	/	Pass
		836.5	25	0	5.053	/	Pass
		846.5	25	0	5.060	/	Pass
	QPSK	829	50	0	10.014	/	Pass
		836.5	50	0	10.058	/	Pass
		844	50	0	9.997	/	Pass
	16QAM	829	50	0	10.061	/	Pass
		836.5	50	0	10.056	/	Pass
		844	50	0	10.014	/	Pass

4.2 Test Graph

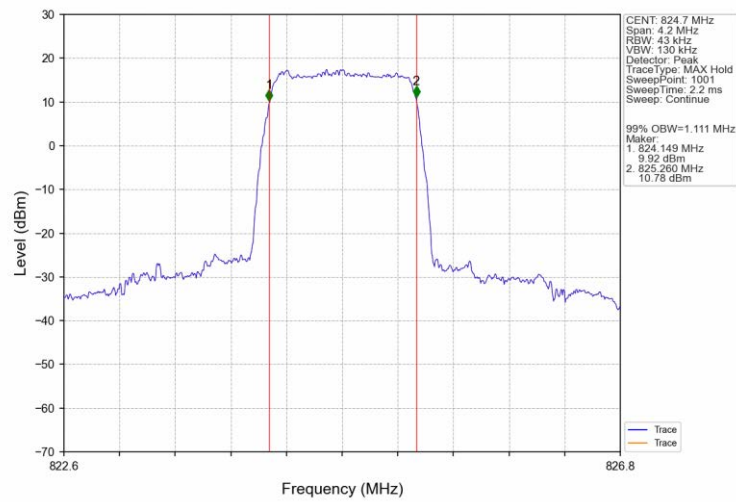
4.2.1 Band5_OBW



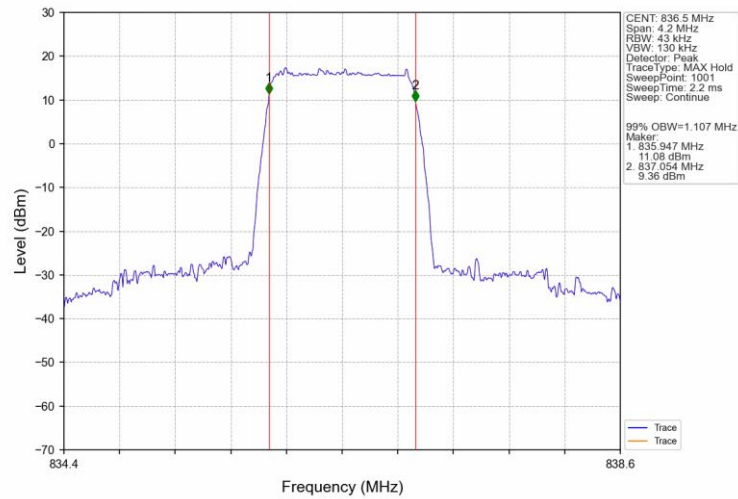
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



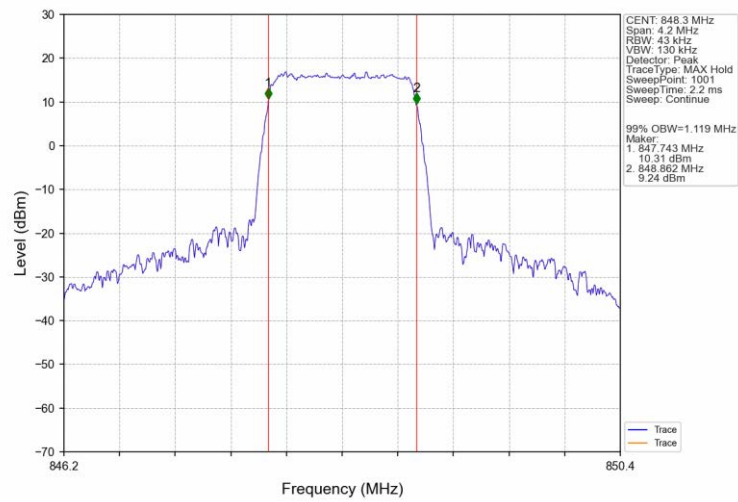
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



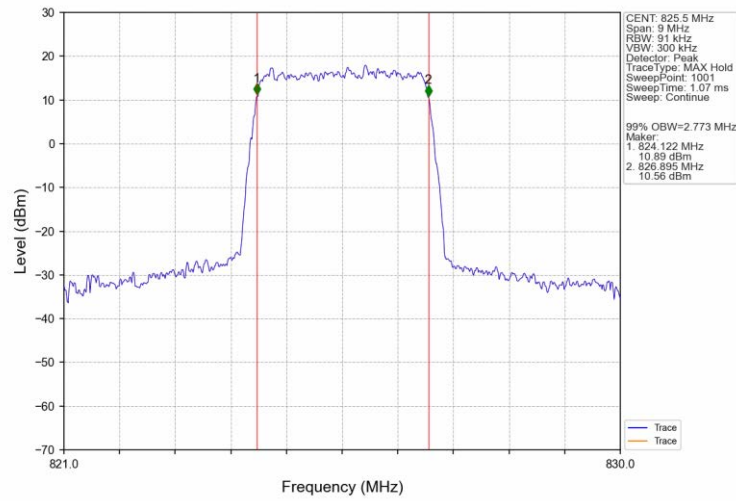
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



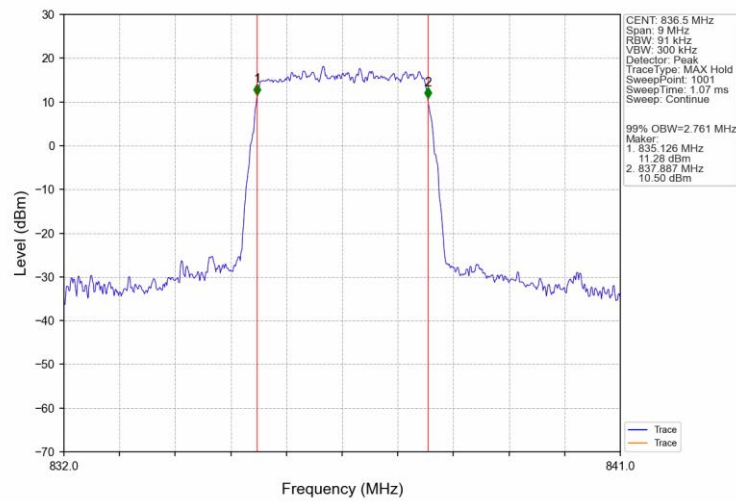
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



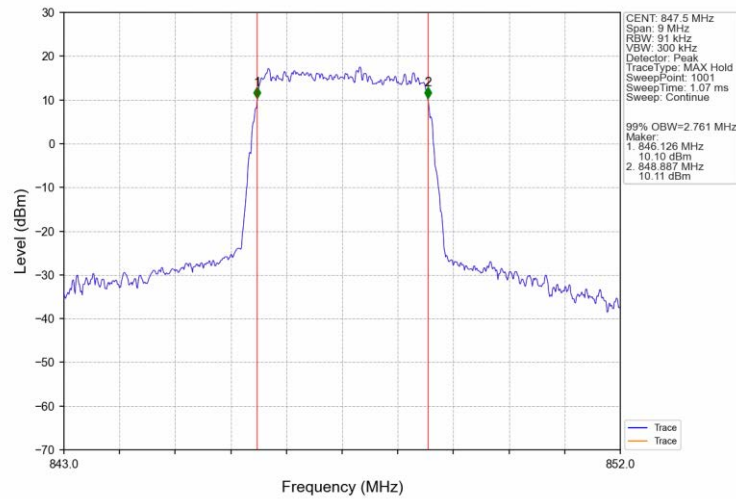
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



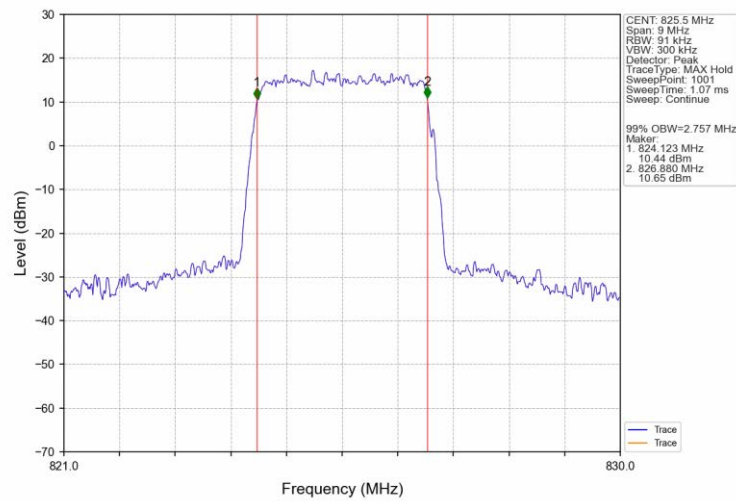
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



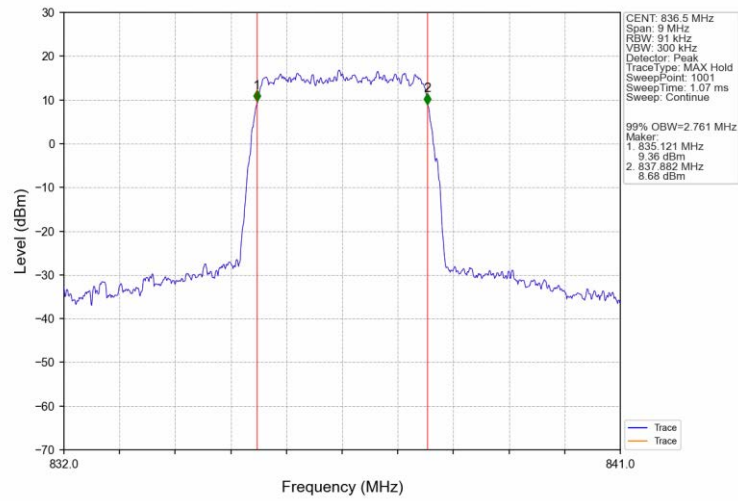
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



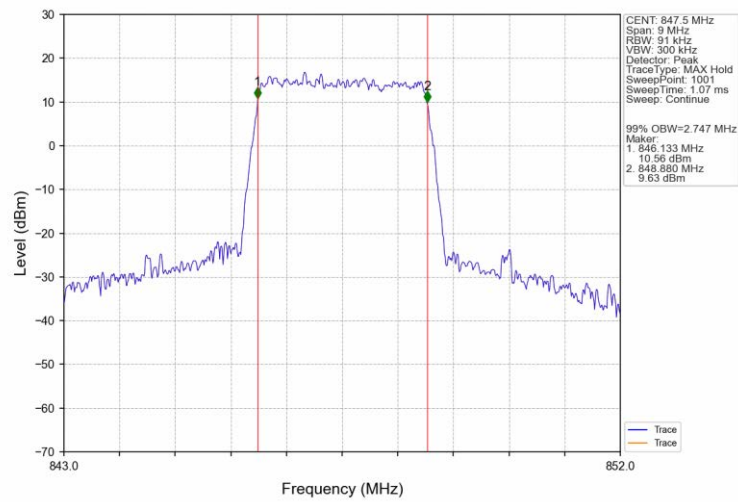
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



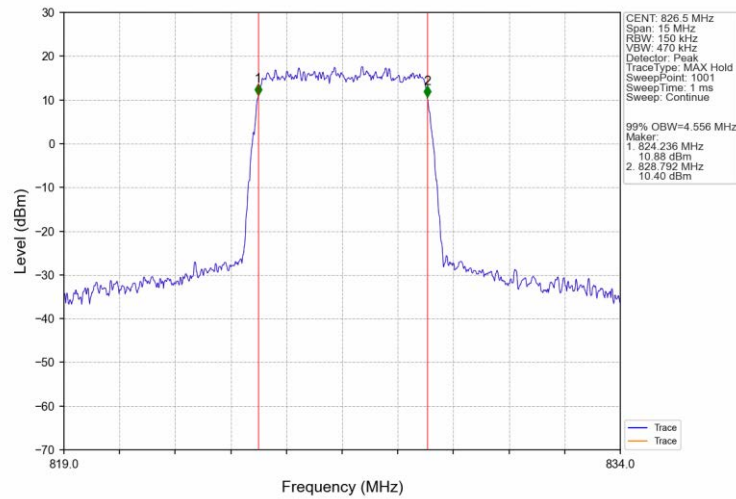
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



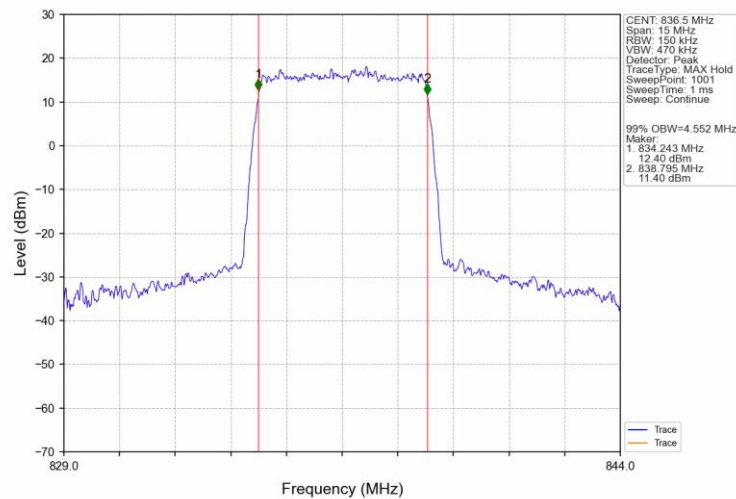
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



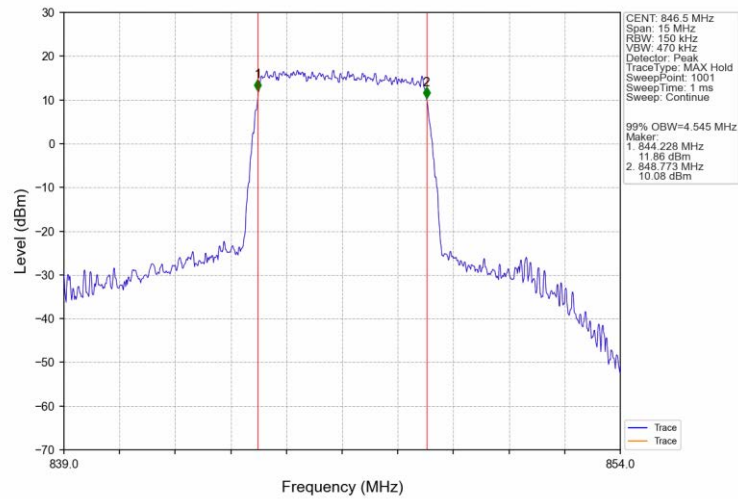
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



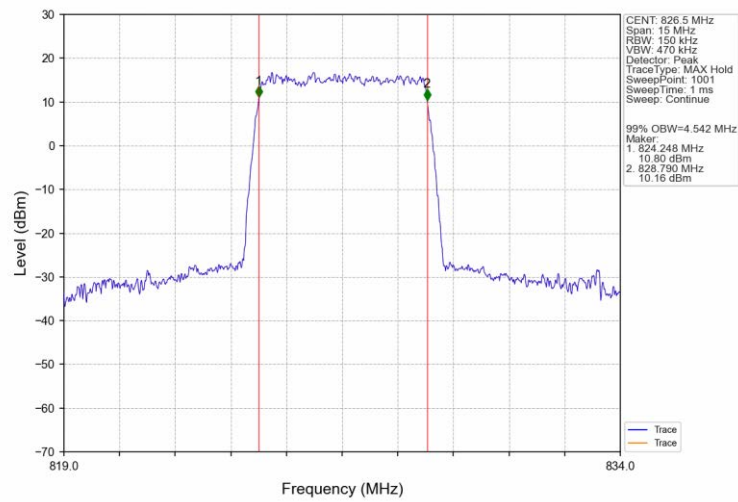
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



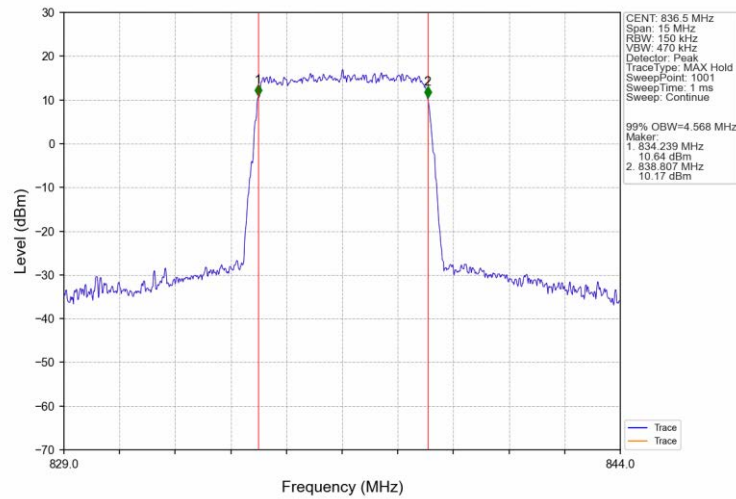
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



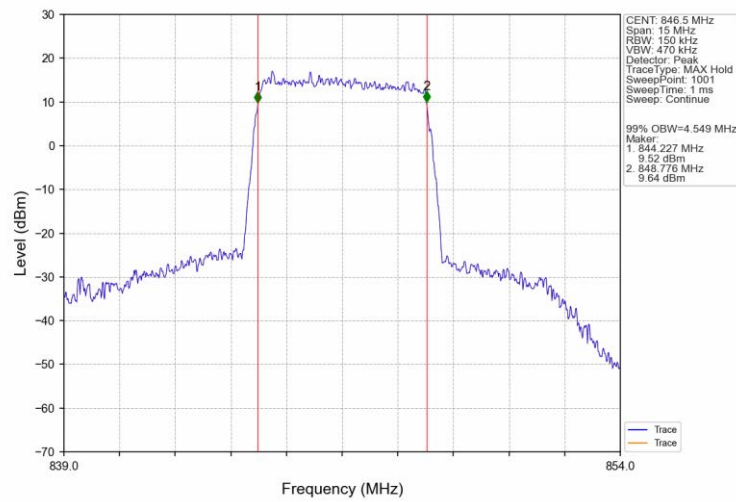
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



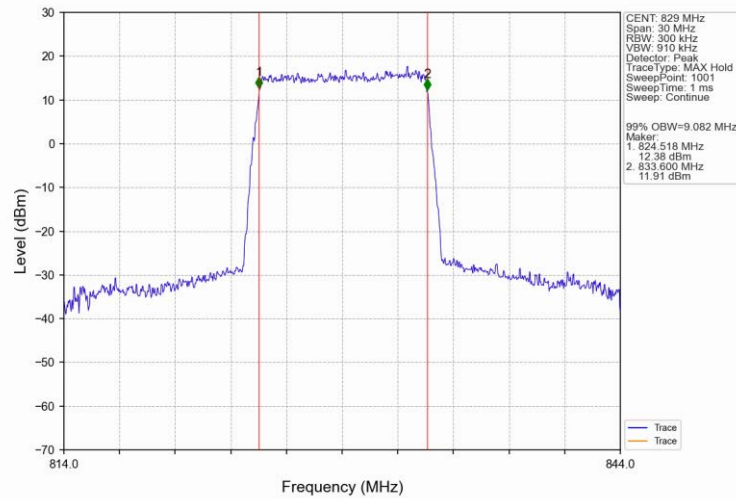
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



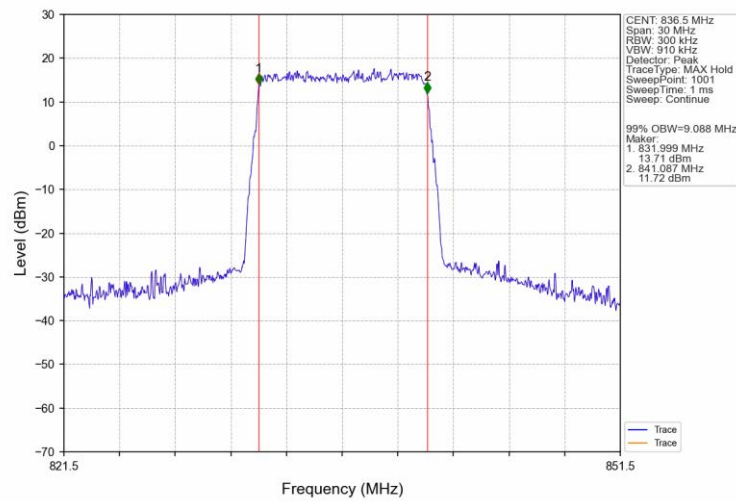
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



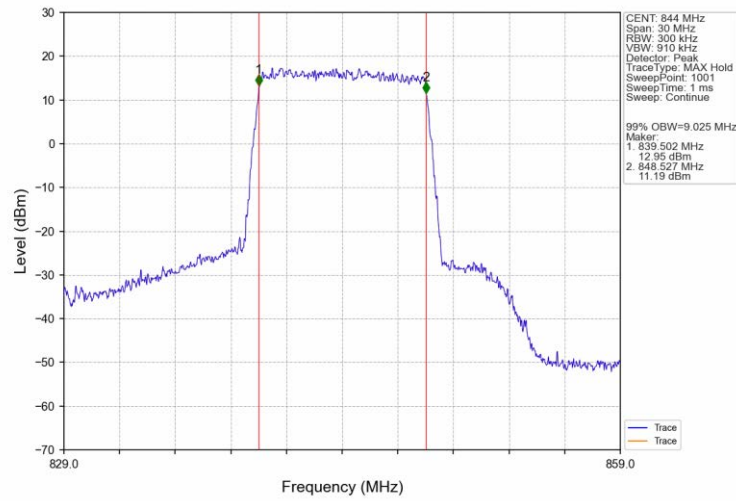
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



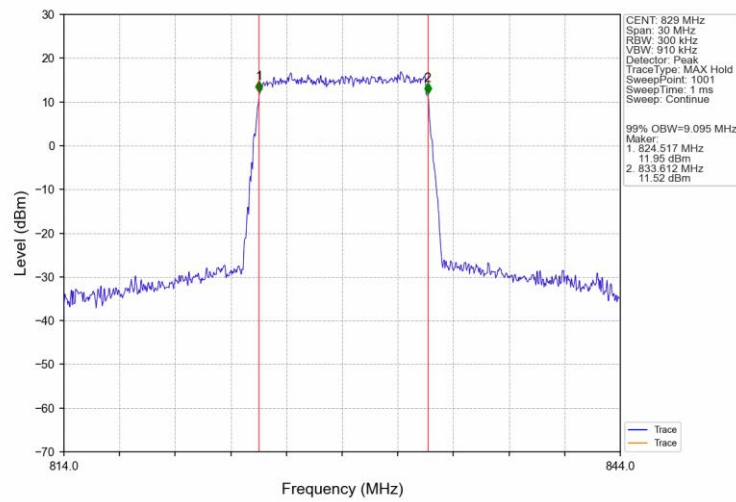
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



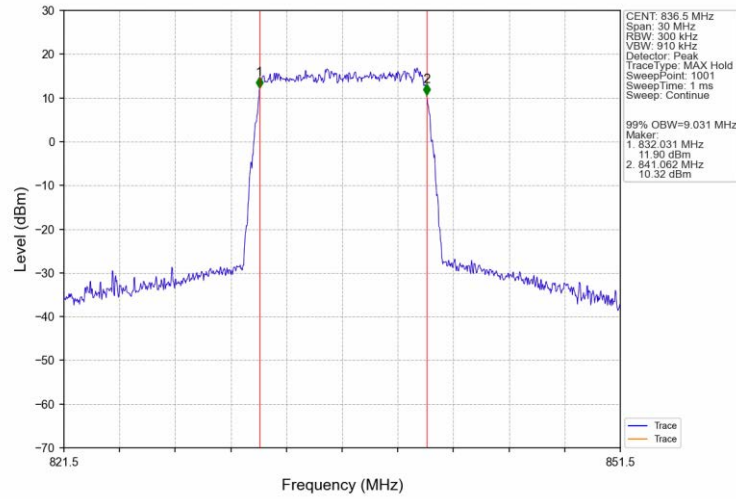
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



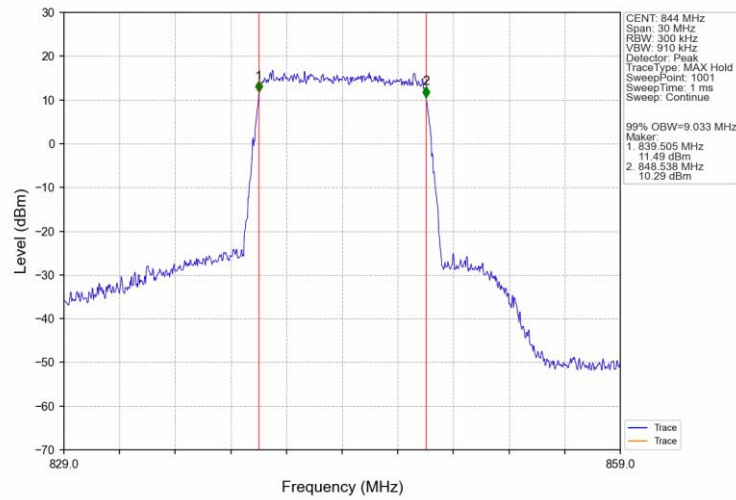
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

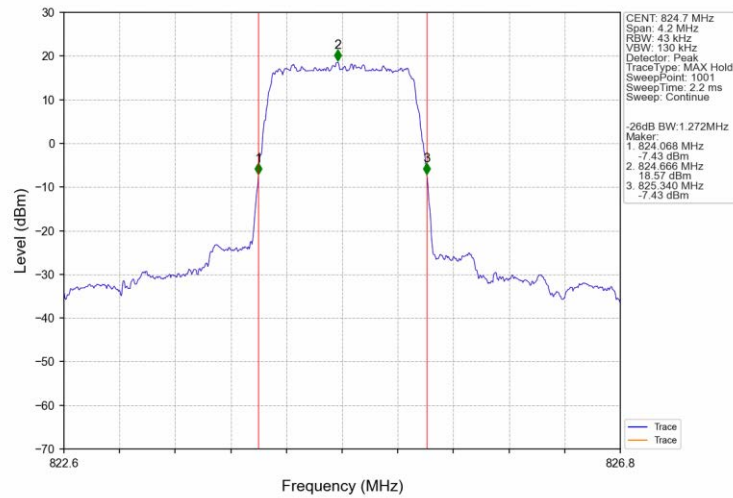


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

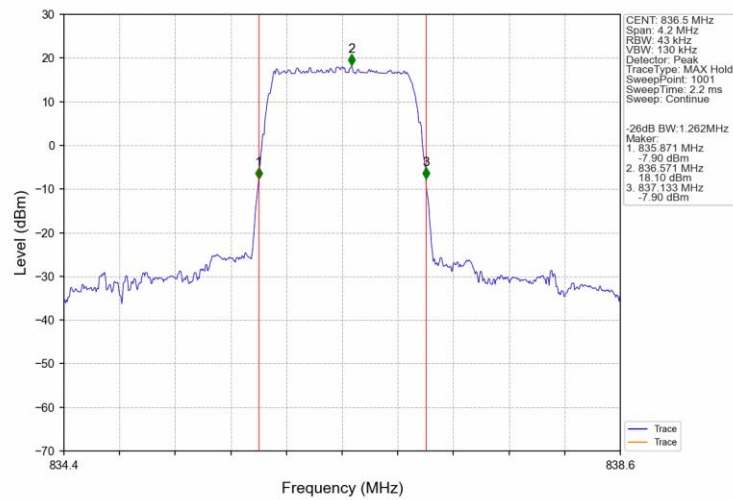


4.2.2 Band5_XDB

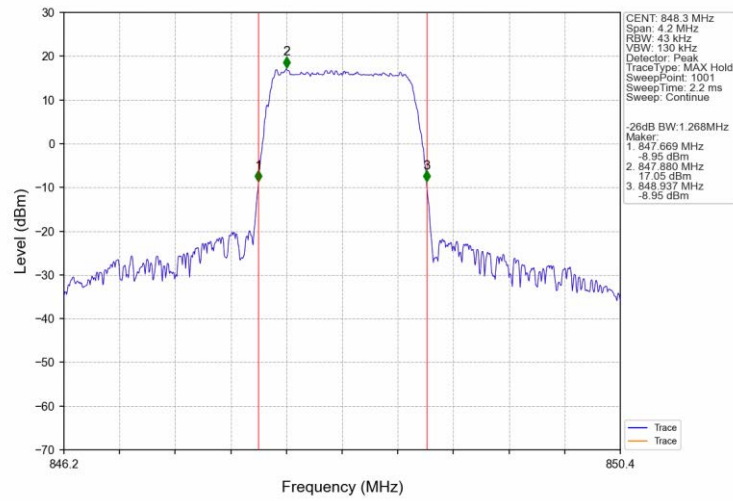
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



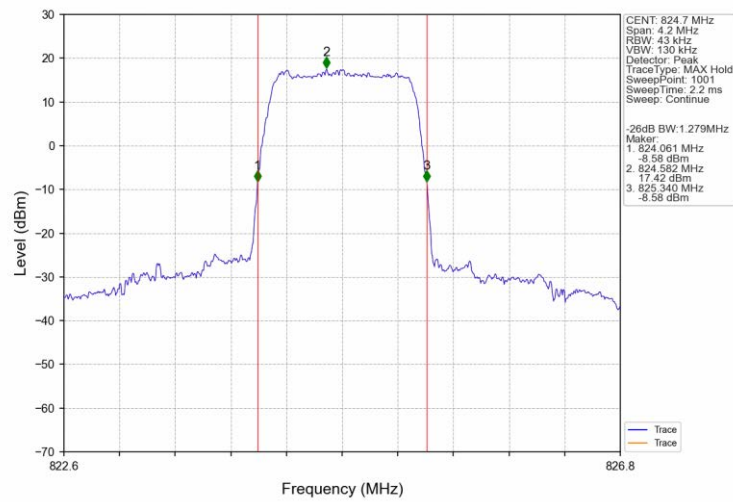
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



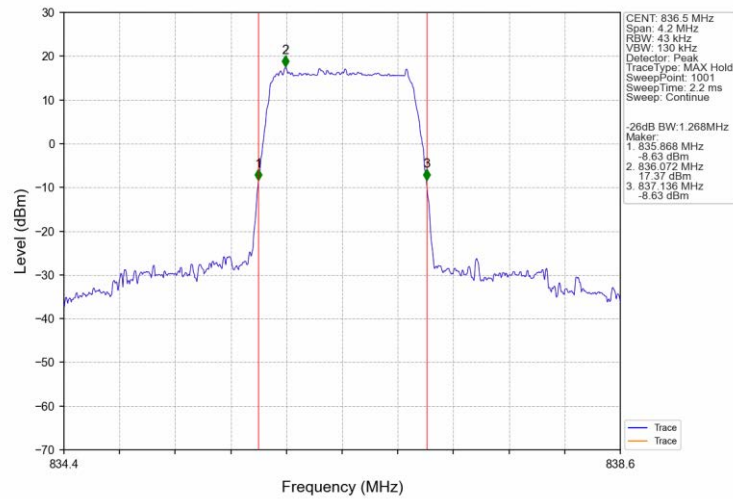
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



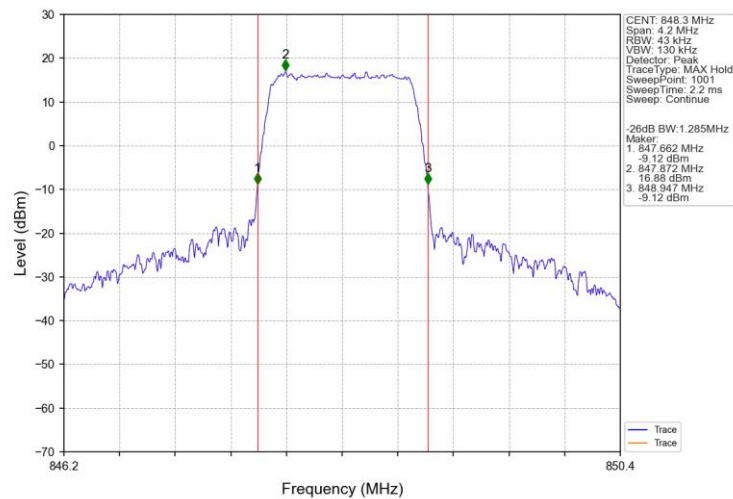
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



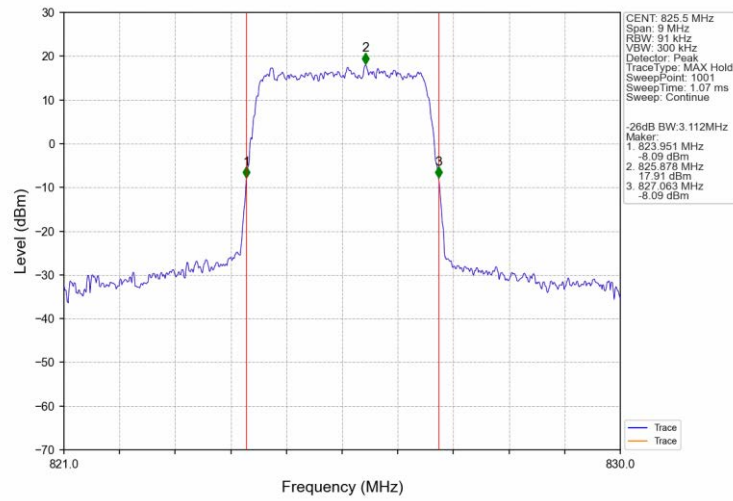
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



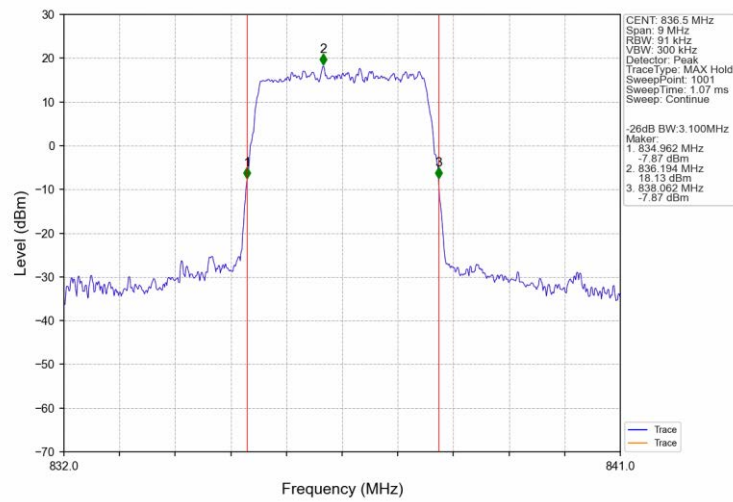
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



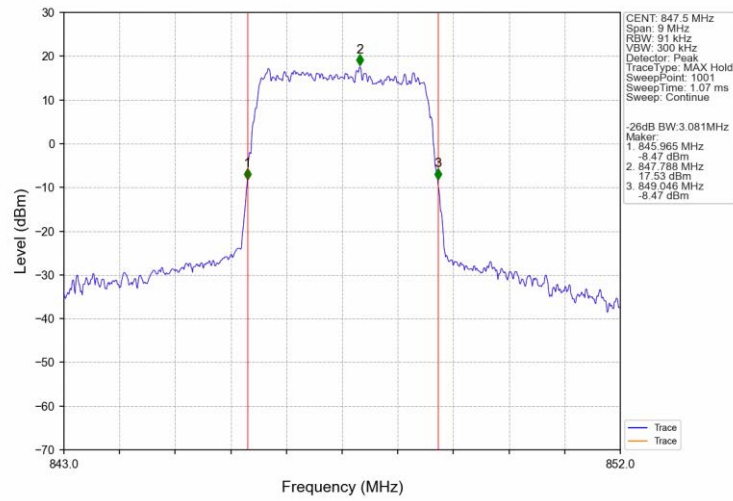
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



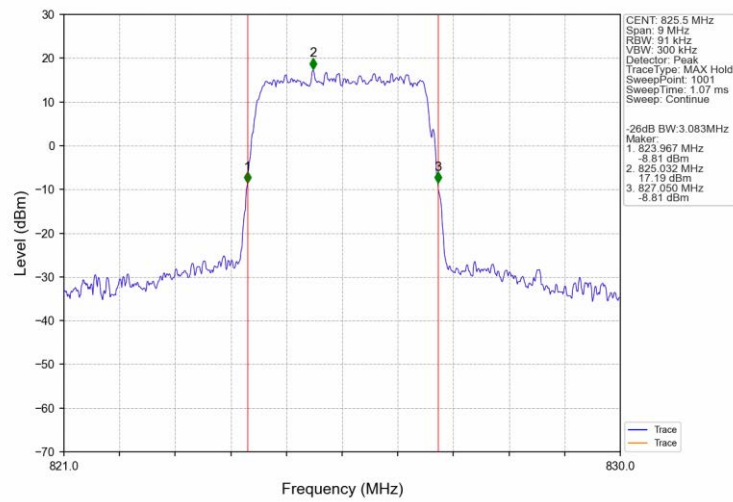
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



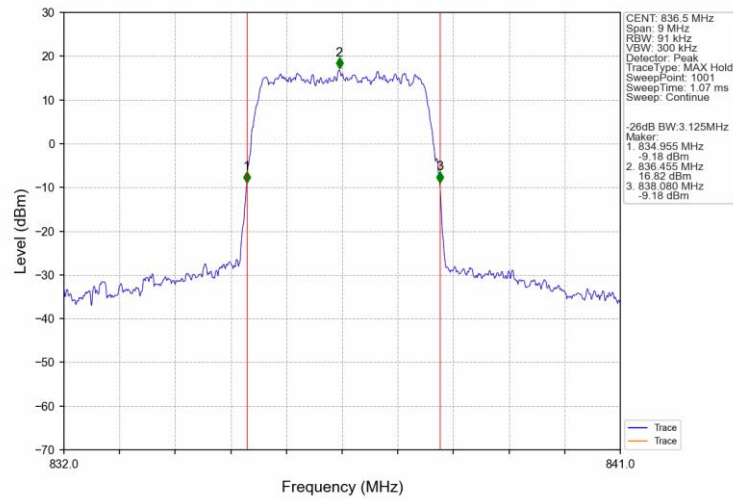
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



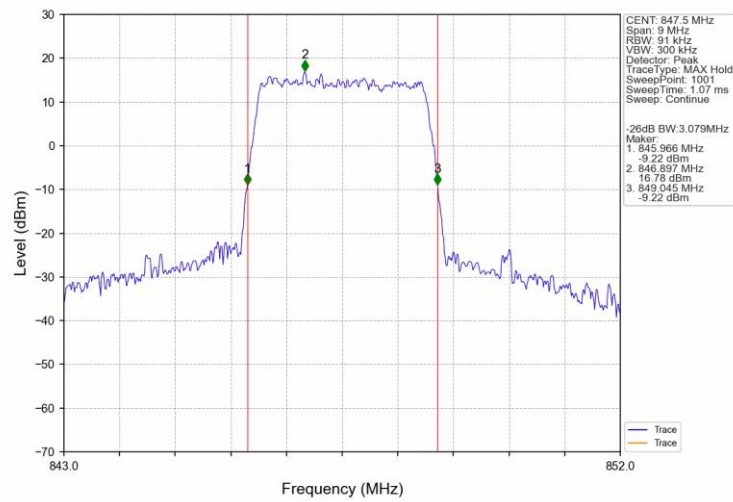
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



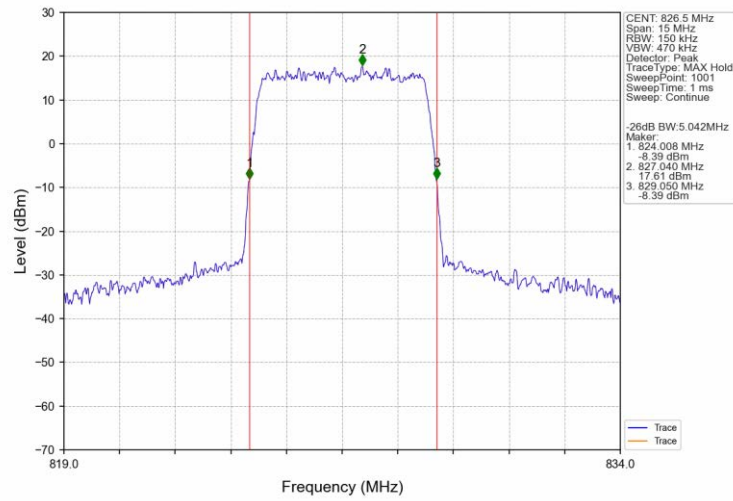
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



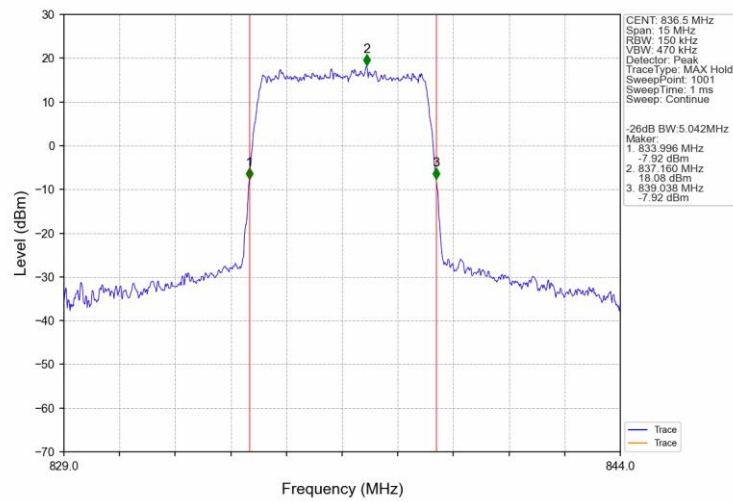
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



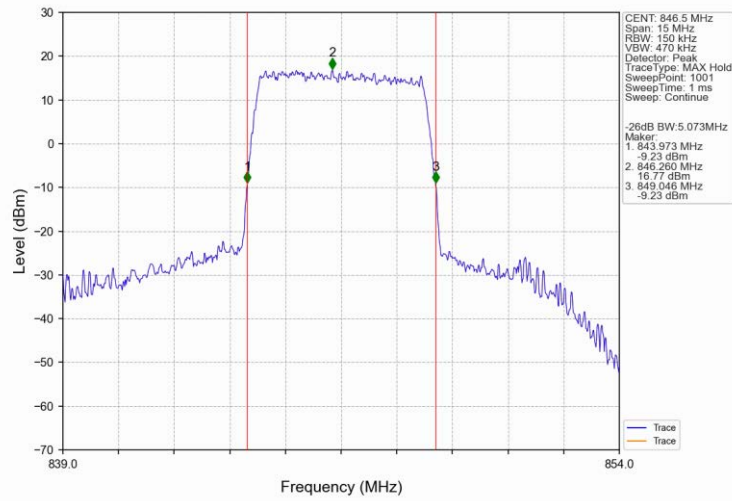
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



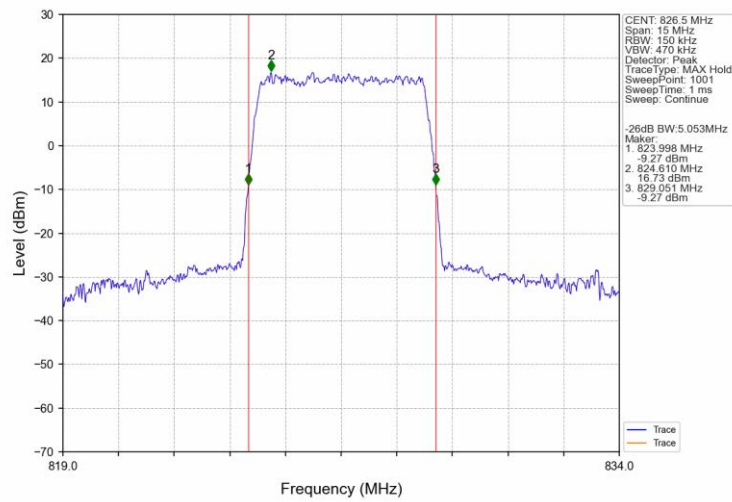
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



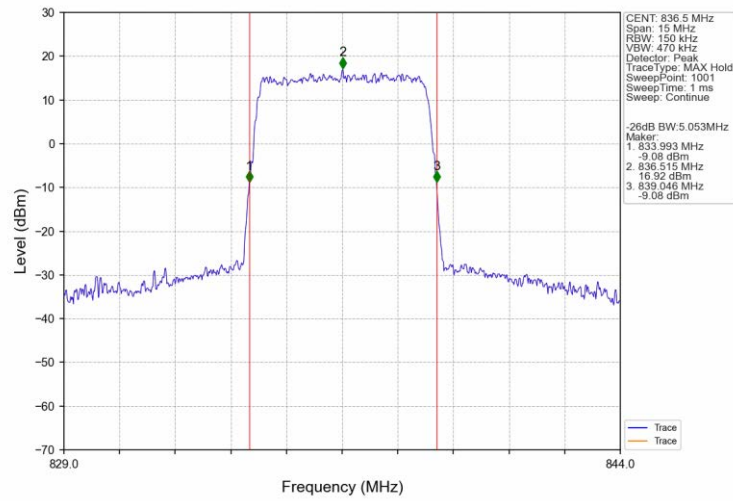
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



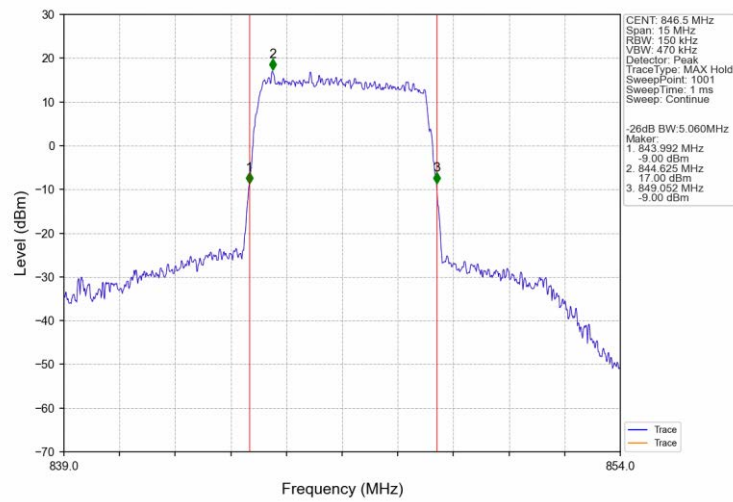
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



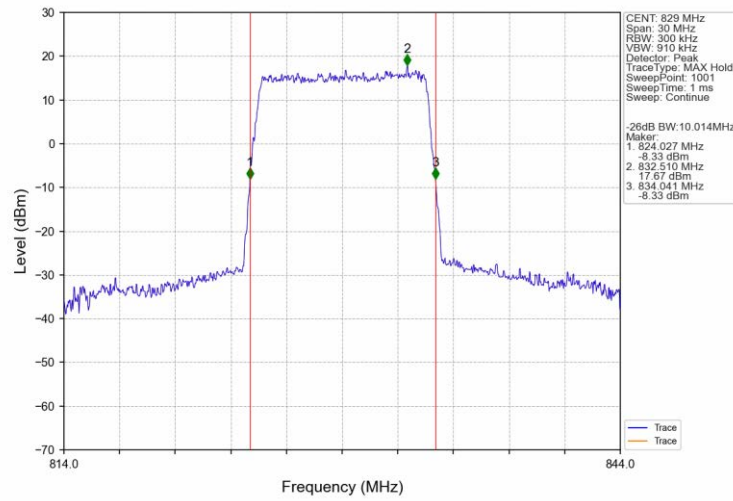
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



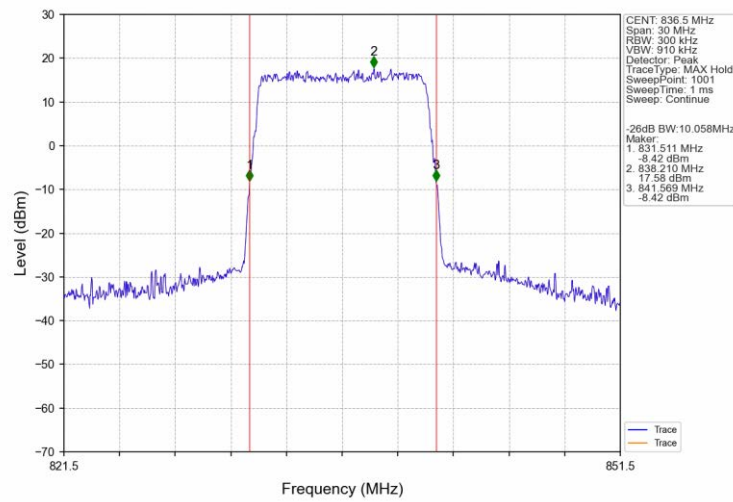
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



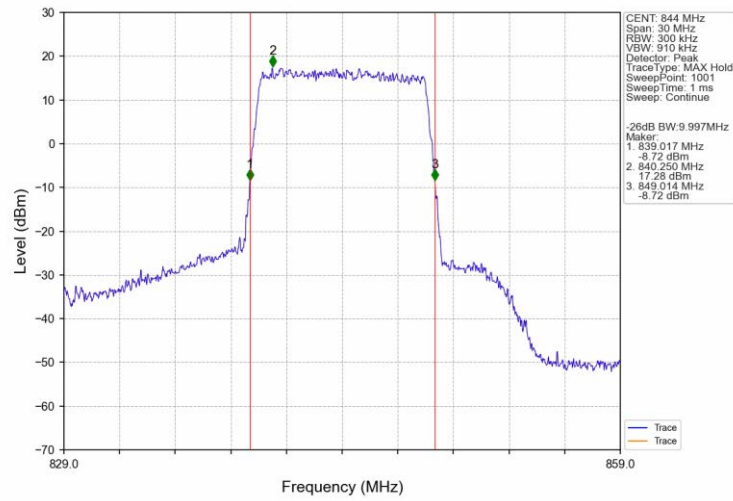
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



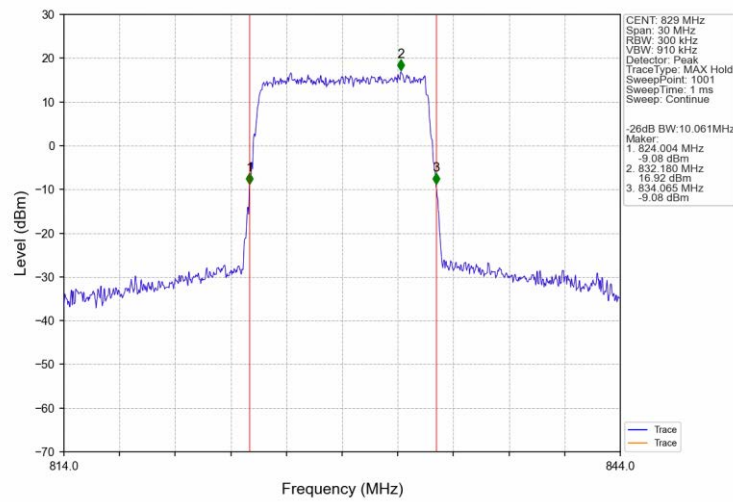
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



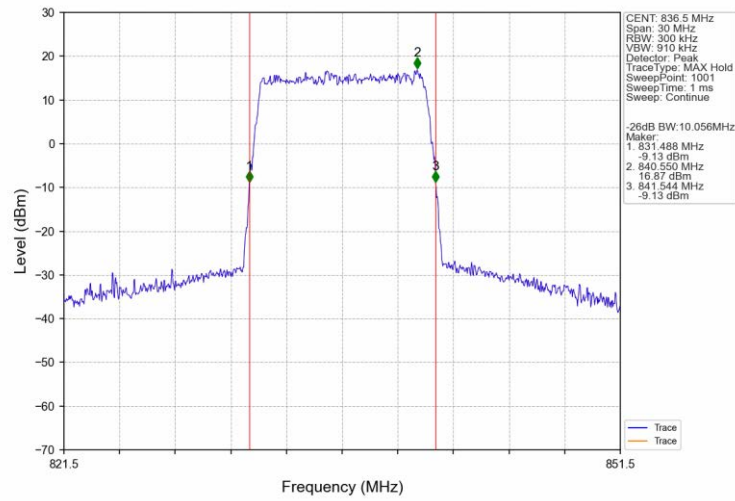
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



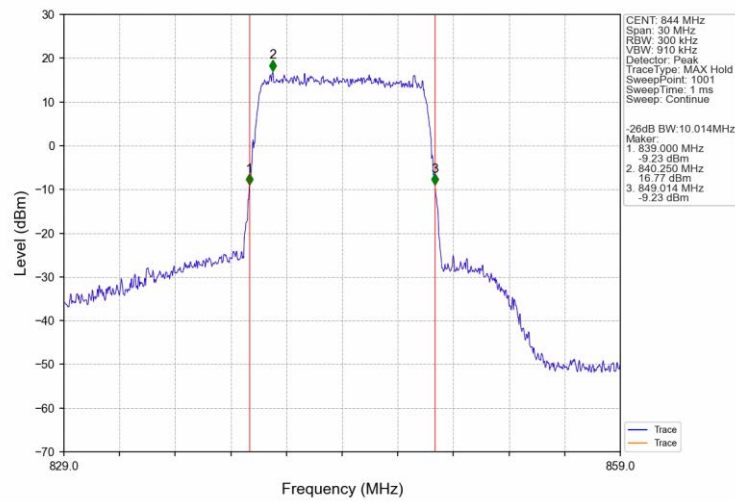
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	5.83	<=13	Pass
	836.5	6	0	5.73	<=13	Pass
	848.3	6	0	5.64	<=13	Pass
16QAM	824.7	6	0	6.52	<=13	Pass
	836.5	6	0	6.58	<=13	Pass
	848.3	6	0	6.21	<=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	5.84	<=13	Pass
	836.5	15	0	5.79	<=13	Pass
	847.5	15	0	5.81	<=13	Pass
16QAM	825.5	15	0	6.65	<=13	Pass
	836.5	15	0	6.59	<=13	Pass
	847.5	15	0	6.64	<=13	Pass

5.1.3 B5_5MHz

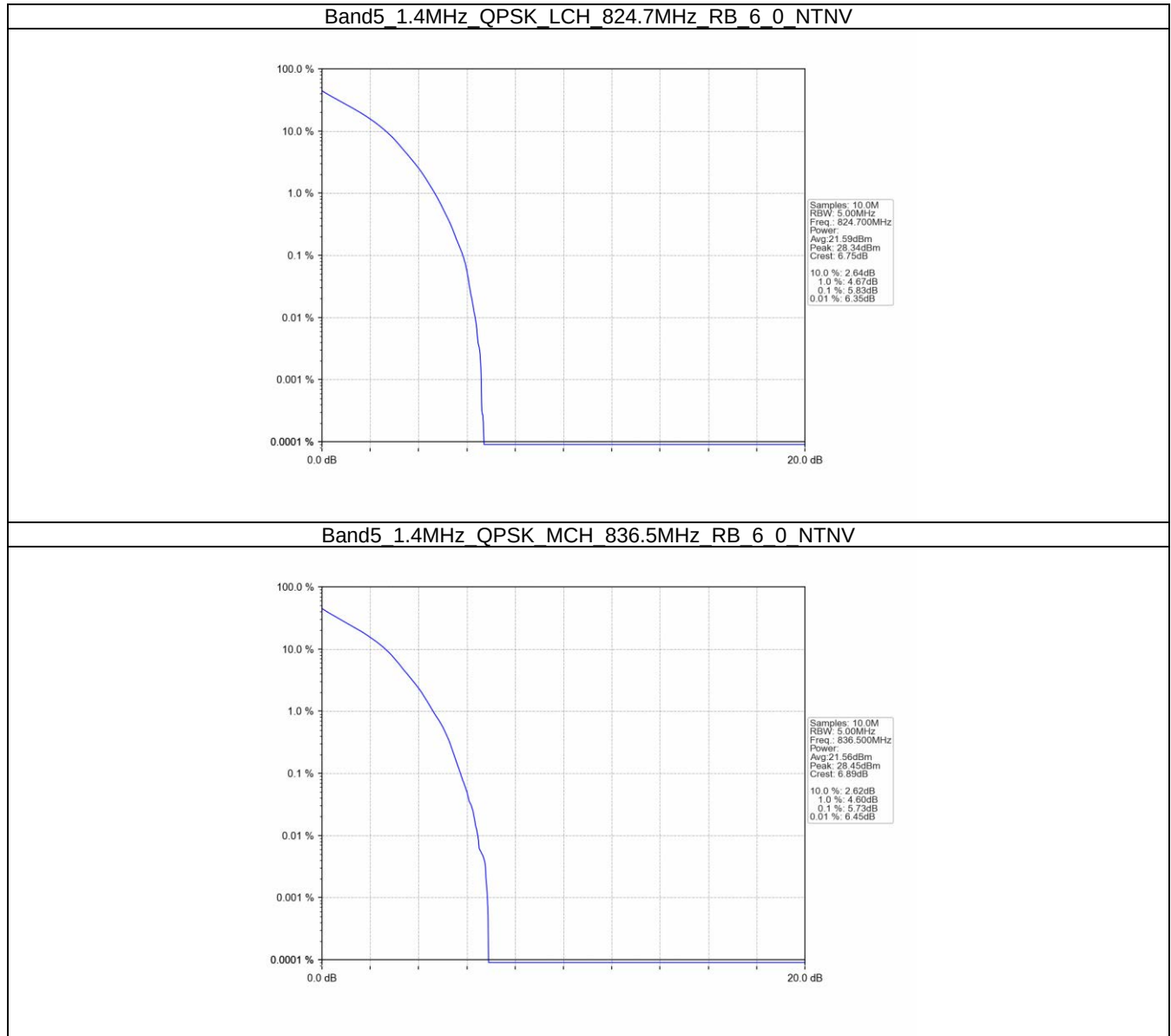
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.86	<=13	Pass
	836.5	25	0	5.75	<=13	Pass
	846.5	25	0	5.86	<=13	Pass
16QAM	826.5	25	0	6.48	<=13	Pass
	836.5	25	0	6.51	<=13	Pass
	846.5	25	0	6.60	<=13	Pass

5.1.4 B5_10MHz

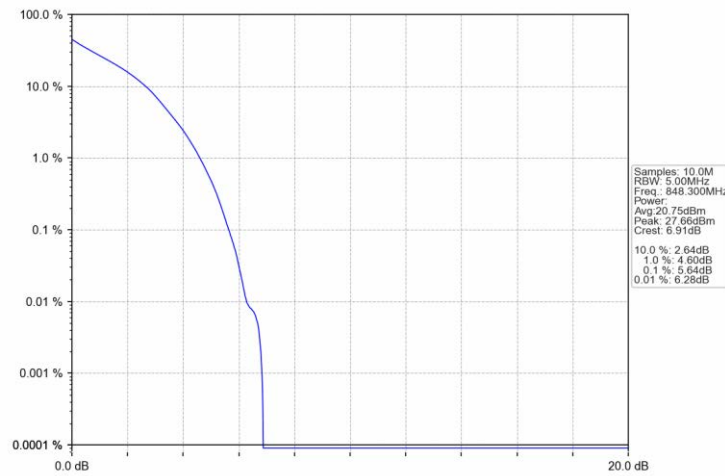
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.88	<=13	Pass
	836.5	50	0	5.81	<=13	Pass
	844	50	0	5.76	<=13	Pass
16QAM	829	50	0	6.52	<=13	Pass
	836.5	50	0	6.54	<=13	Pass
	844	50	0	6.58	<=13	Pass

5.2 Test Graph

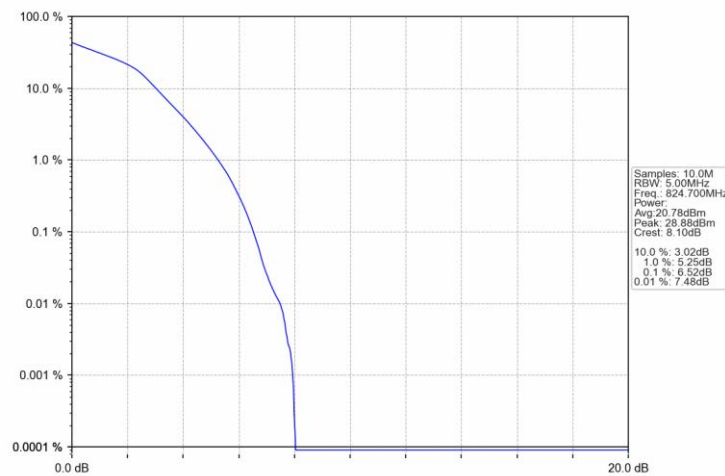
5.2.1 B5_1.4MHz



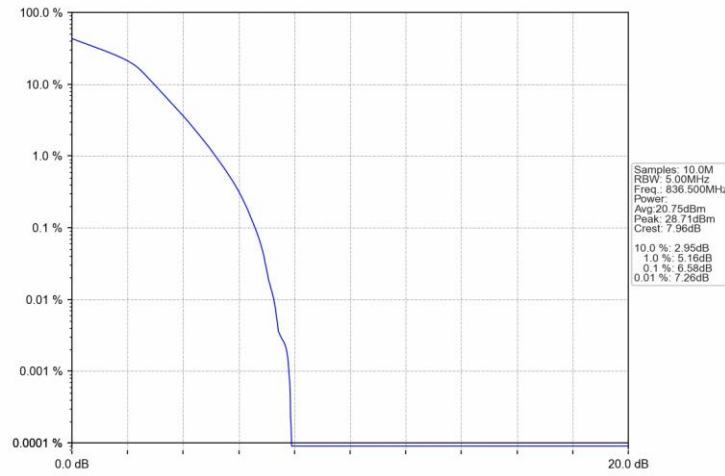
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



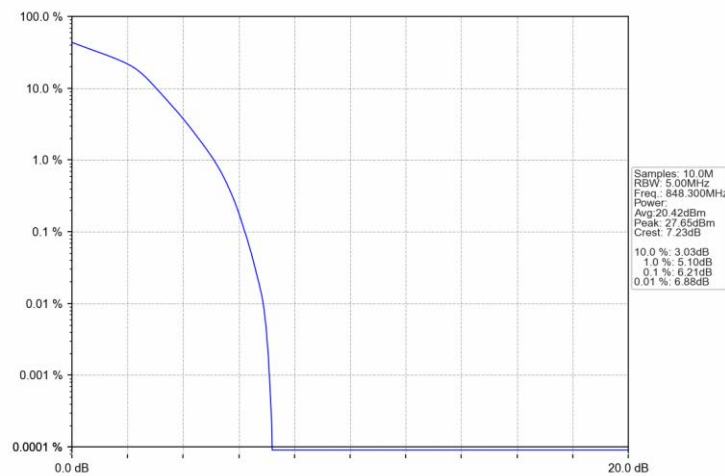
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

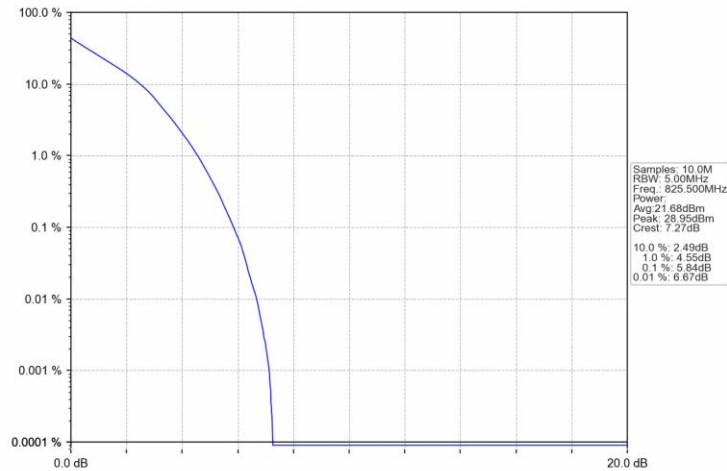


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

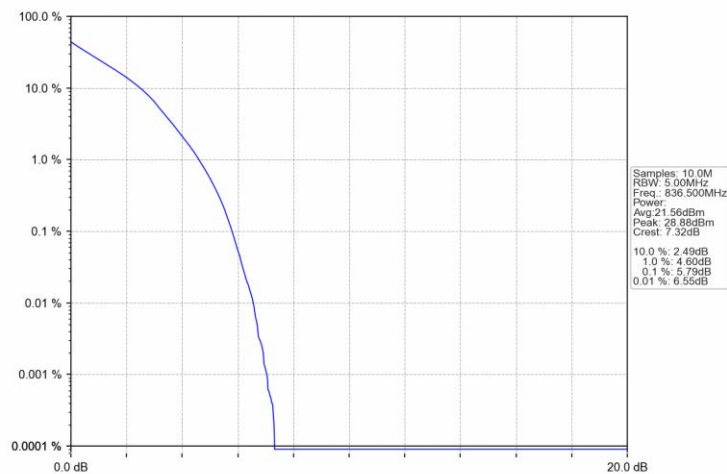


5.2.2 B5_3MHz

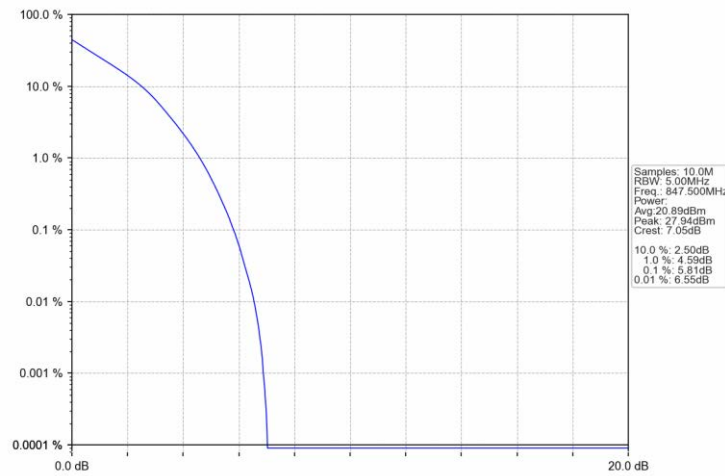
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



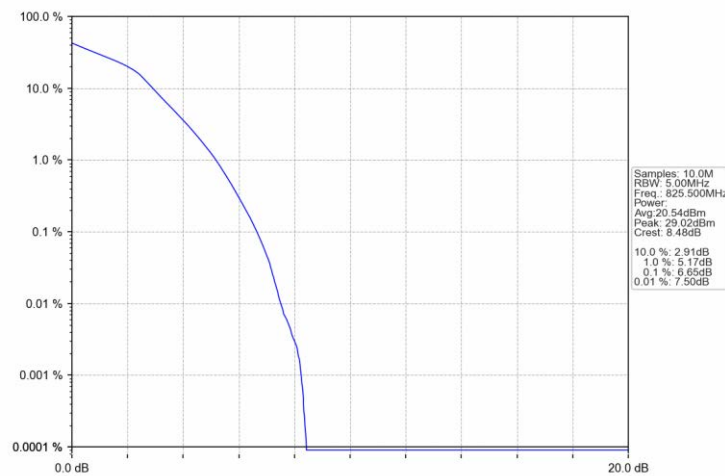
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



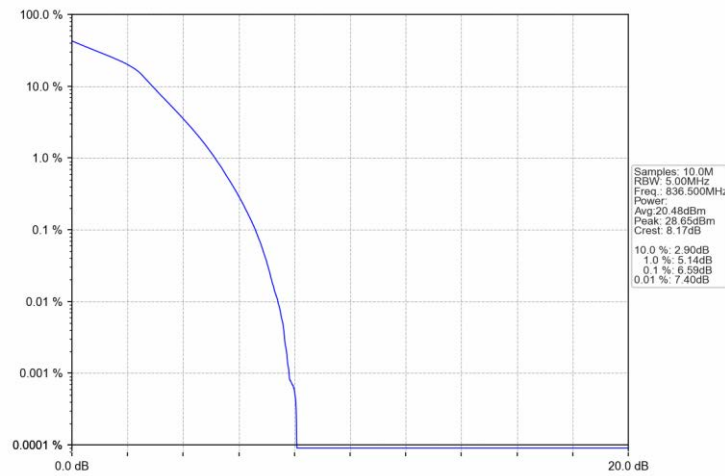
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



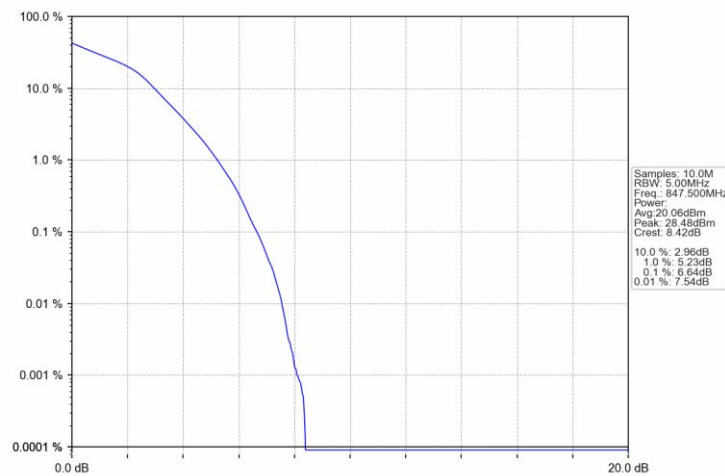
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

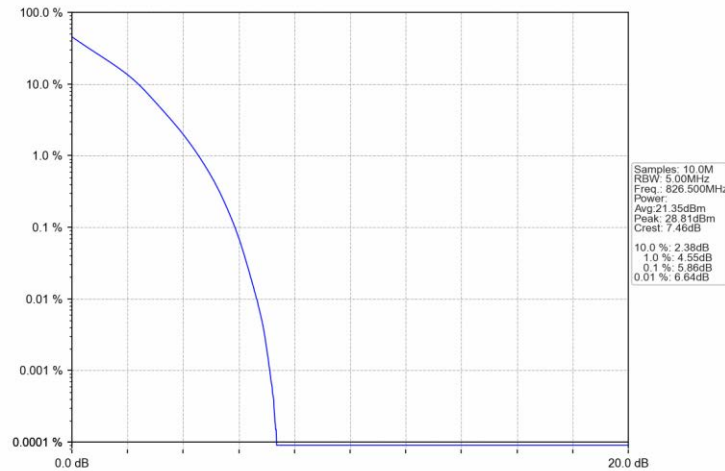


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

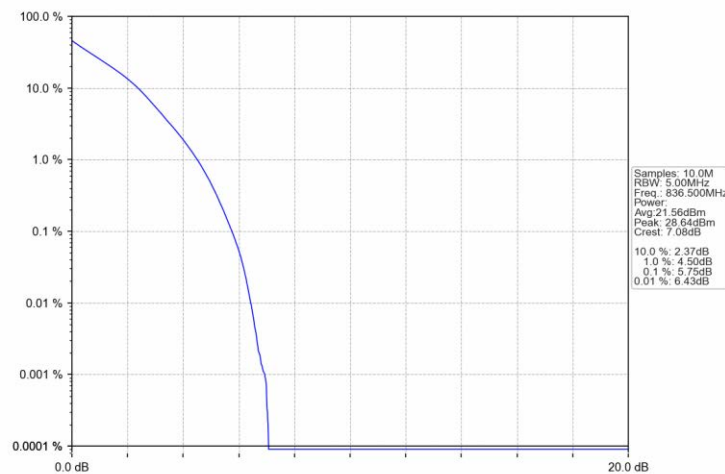


5.2.3 B5_5MHz

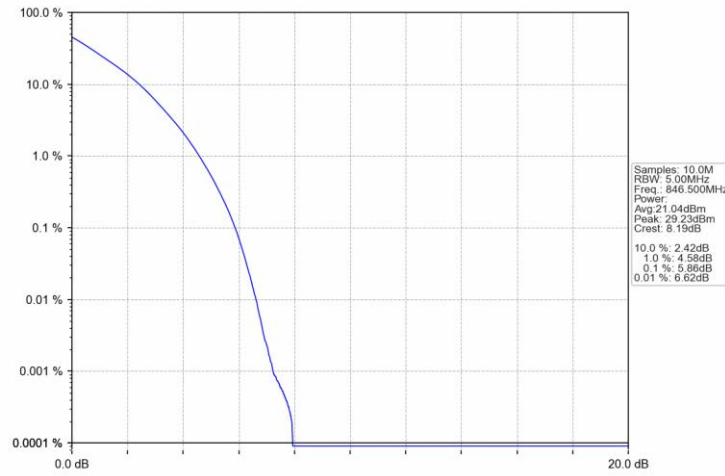
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



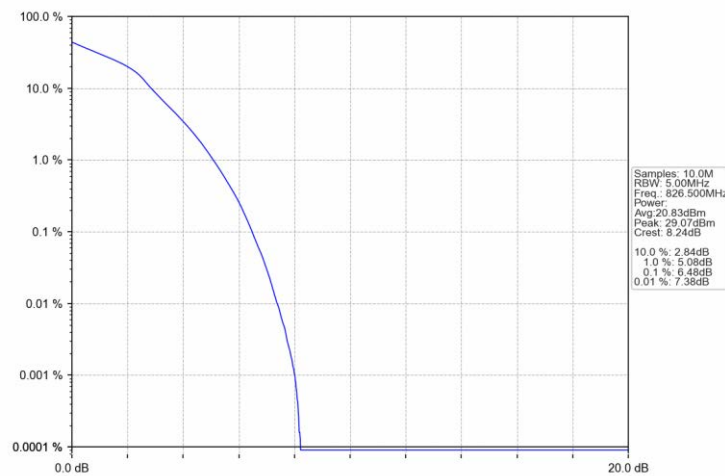
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



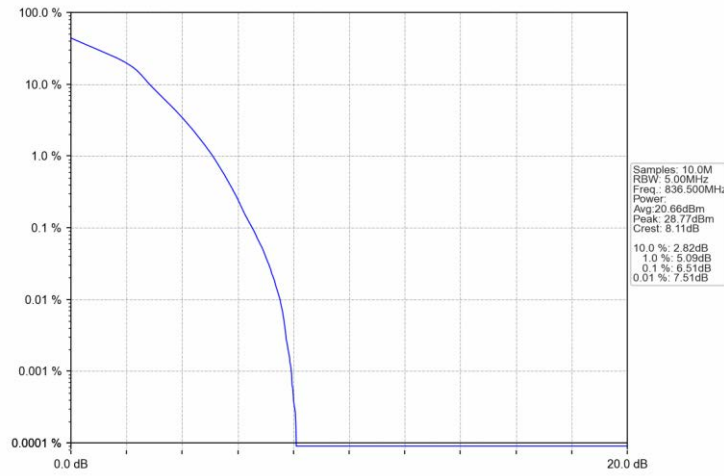
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



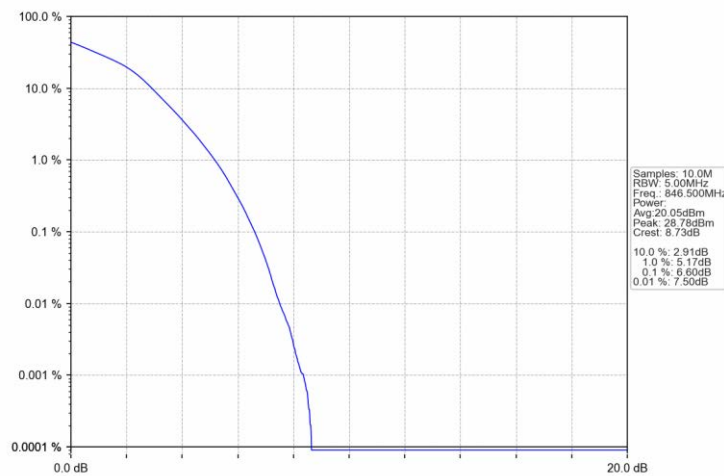
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

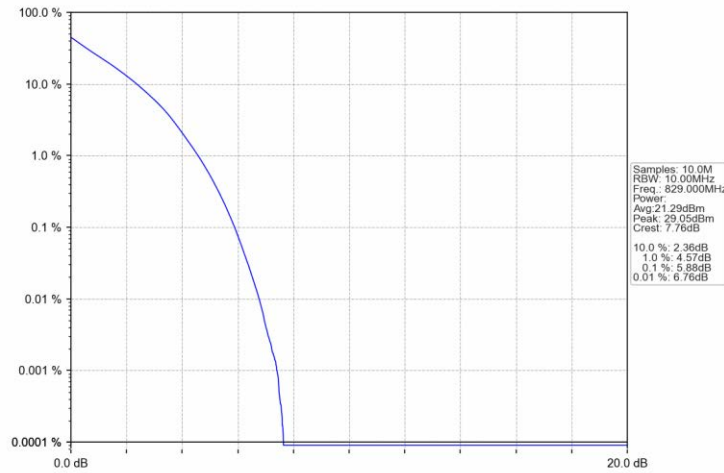


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

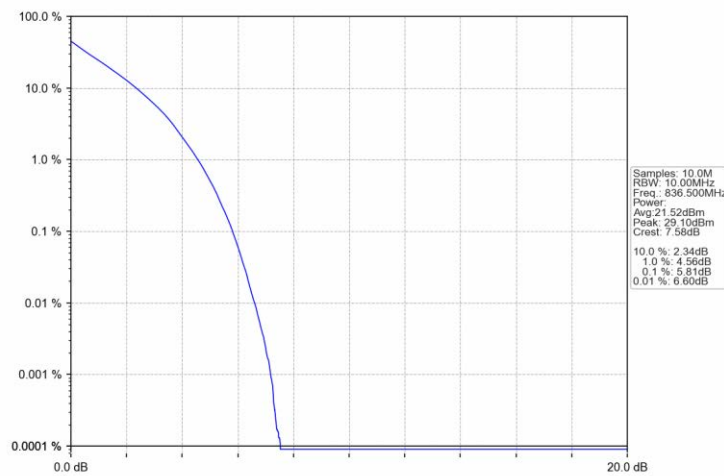


5.2.4 B5_10MHz

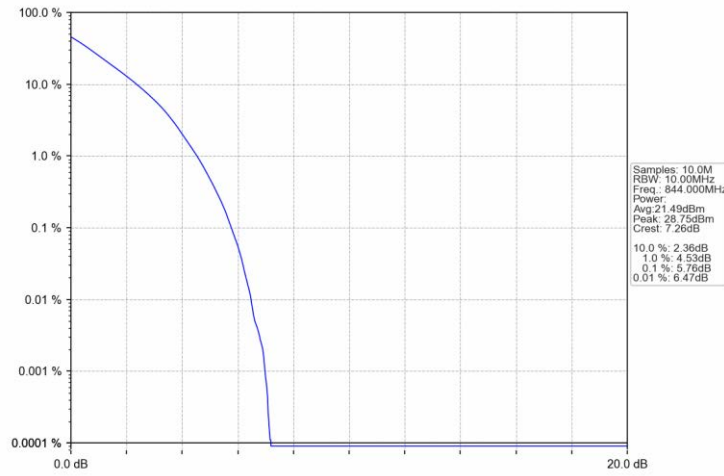
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



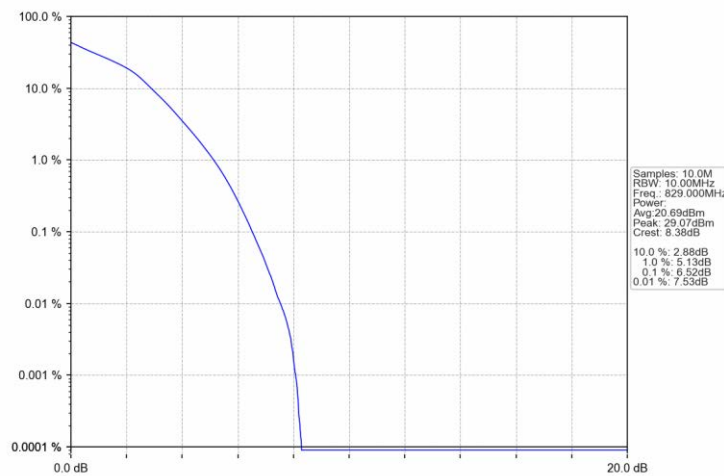
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



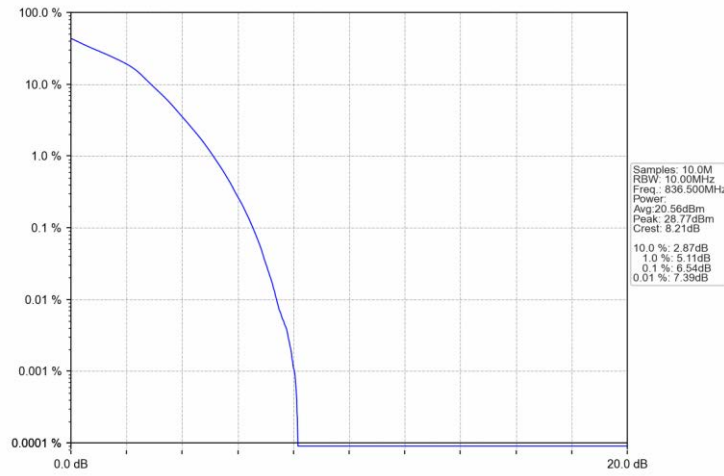
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



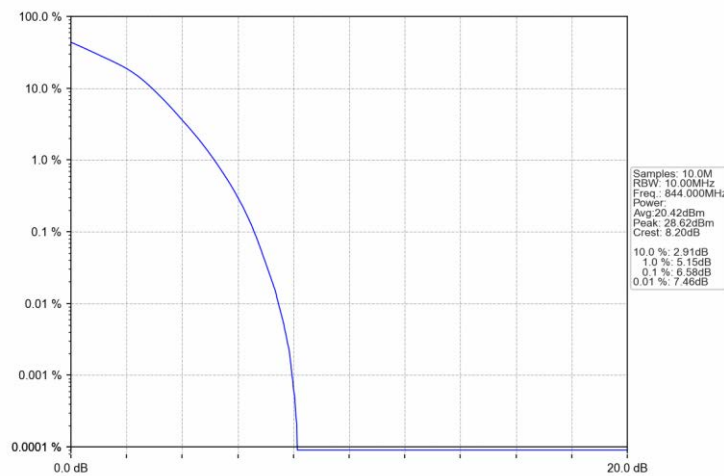
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	824.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	824.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	825.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	825.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	826.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	826.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

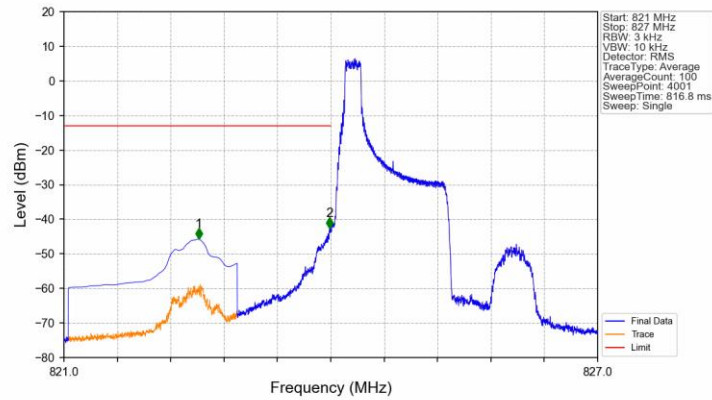
6.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

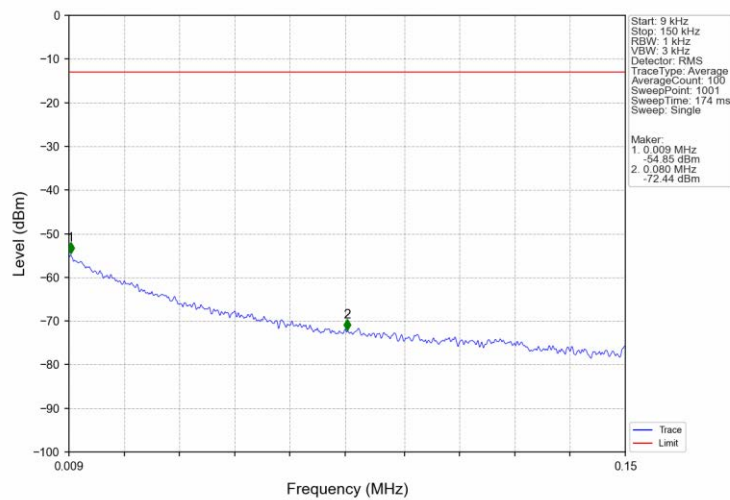
6.2.1 B5_1.4MHz

Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV

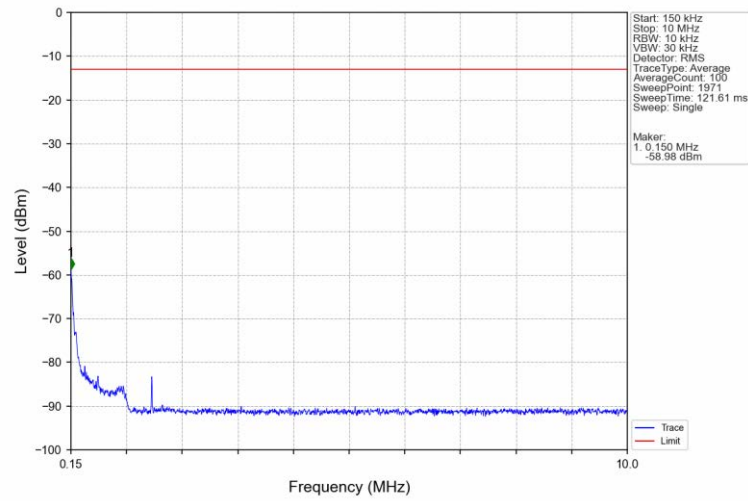


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.515	-45.70	-13	Pass
823	824	0.003	/	2	823.988	-42.59	-13	Pass
824	827	0.003	/	/	/	/	/	/

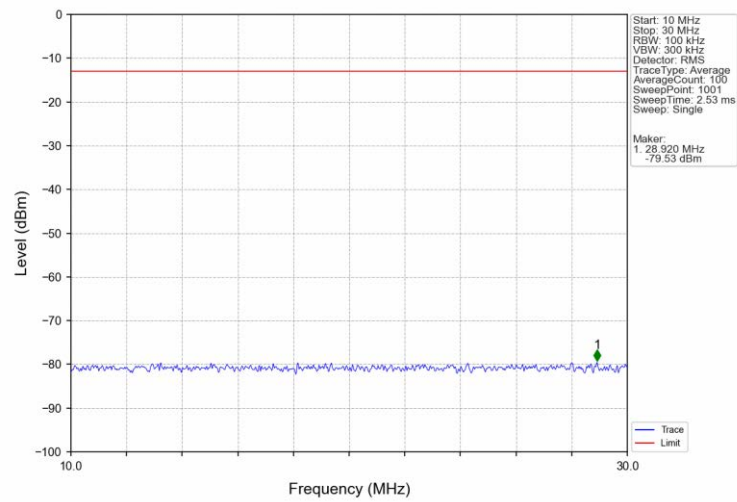
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



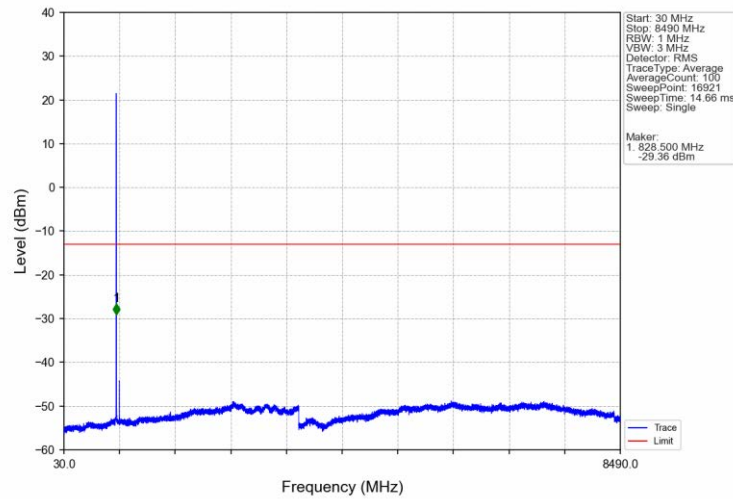
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



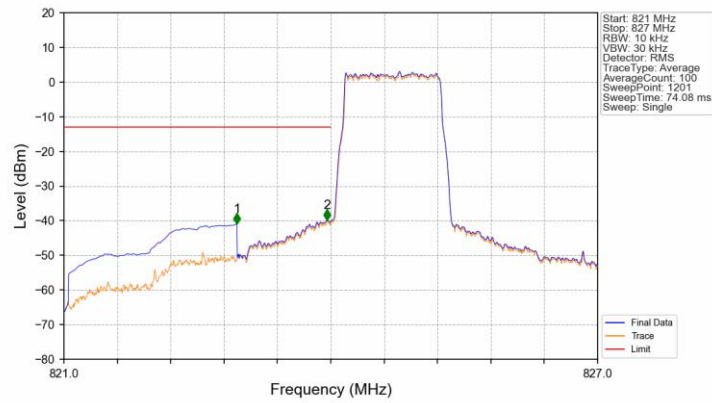
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

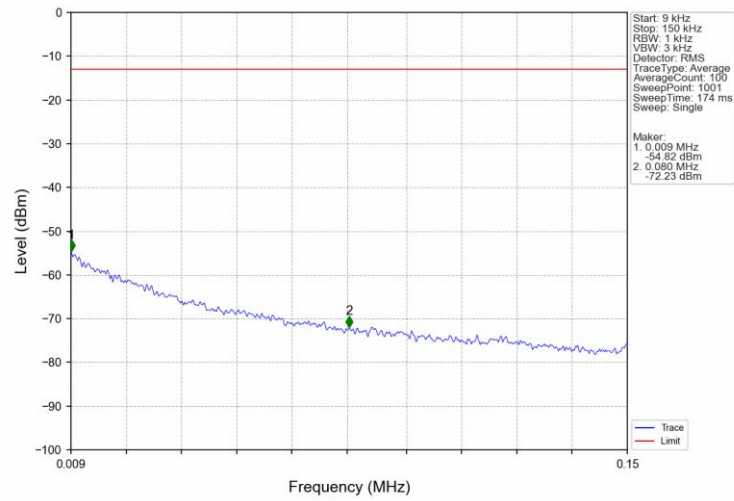


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

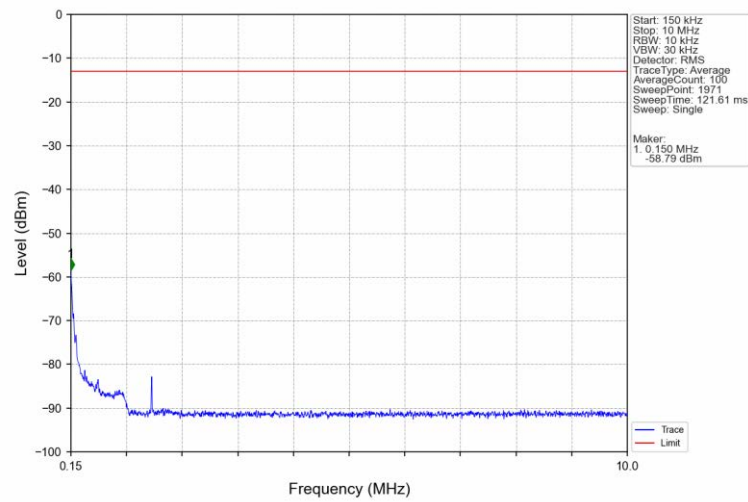


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-41.02	-13	Pass
823	824	0.013	CHP	2	823.960	-39.90	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

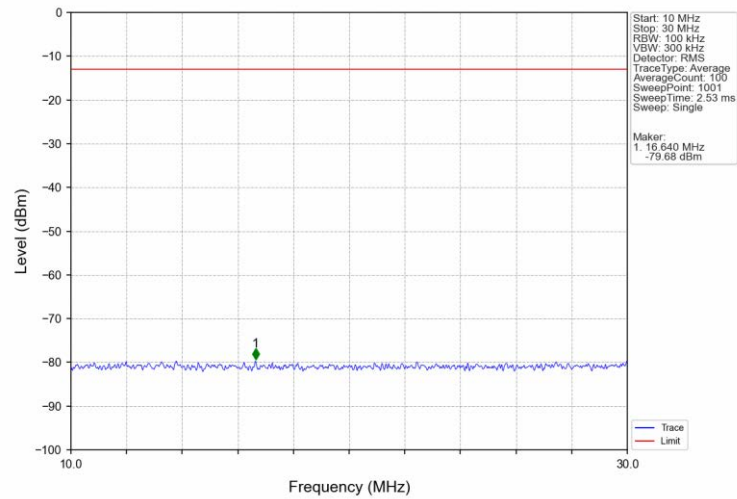
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



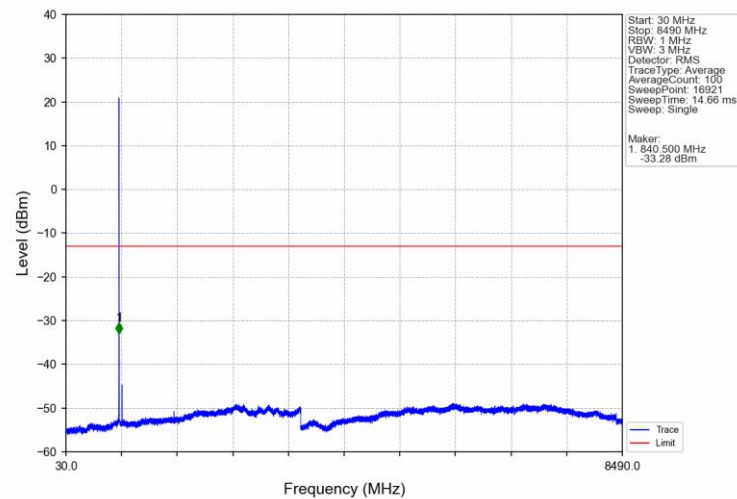
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



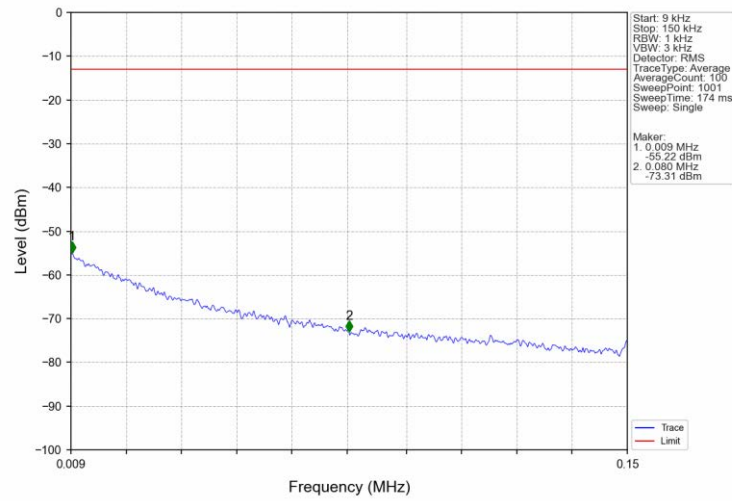
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



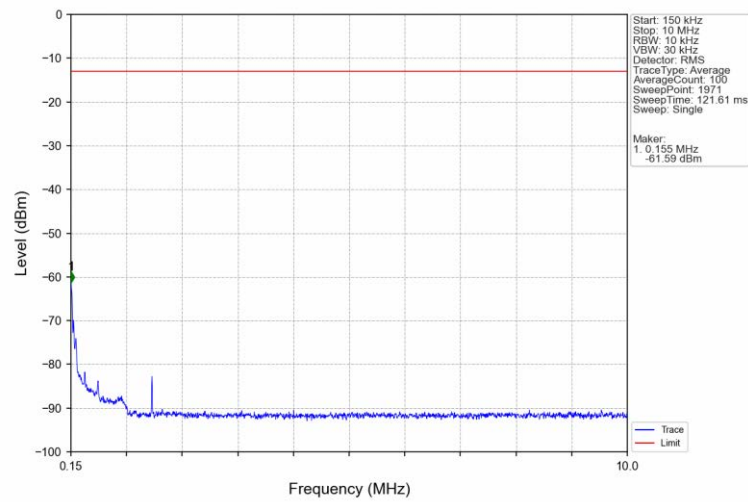
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



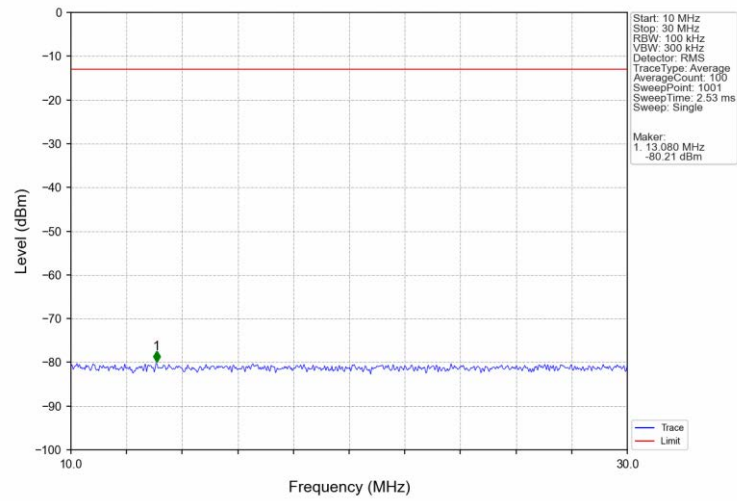
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



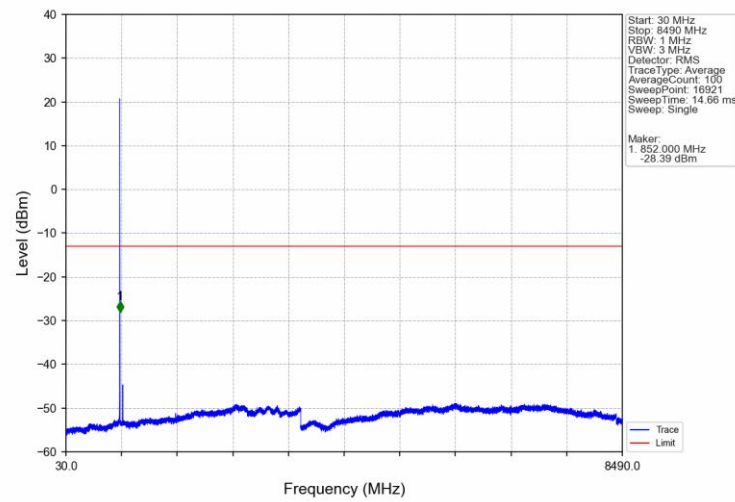
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



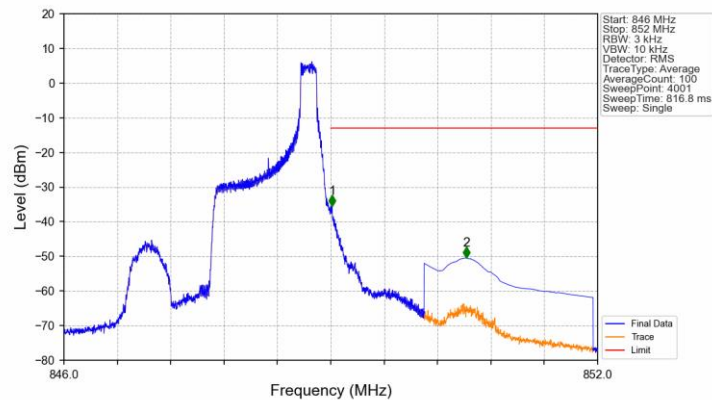
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

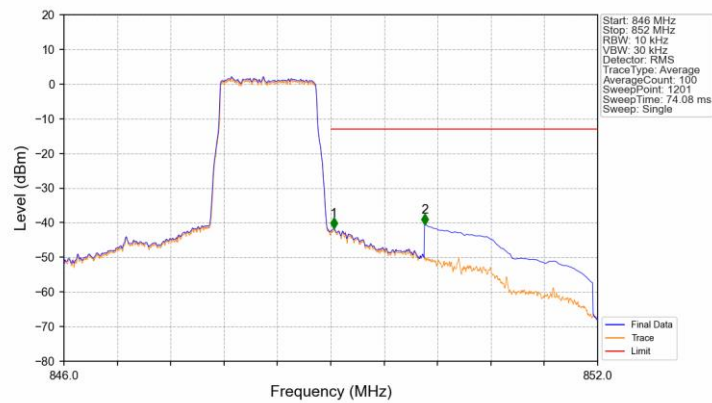


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



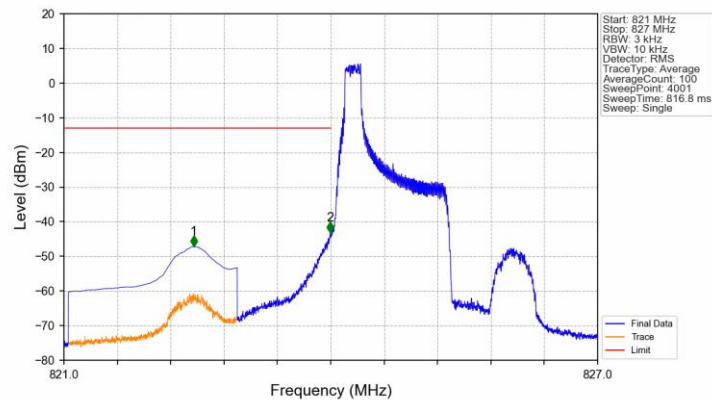
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.015	-35.55	-13	Pass
850	852	0.1	CHP	2	850.525	-50.45	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



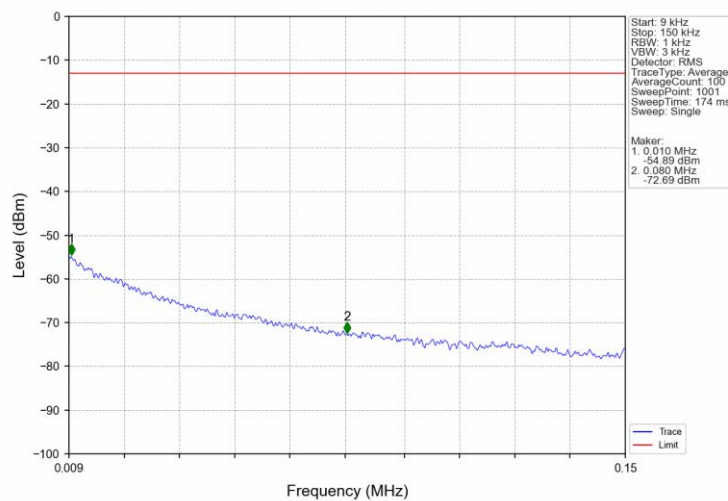
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.035	-41.71	-13	Pass
850	852	0.1	CHP	2	850.055	-40.53	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

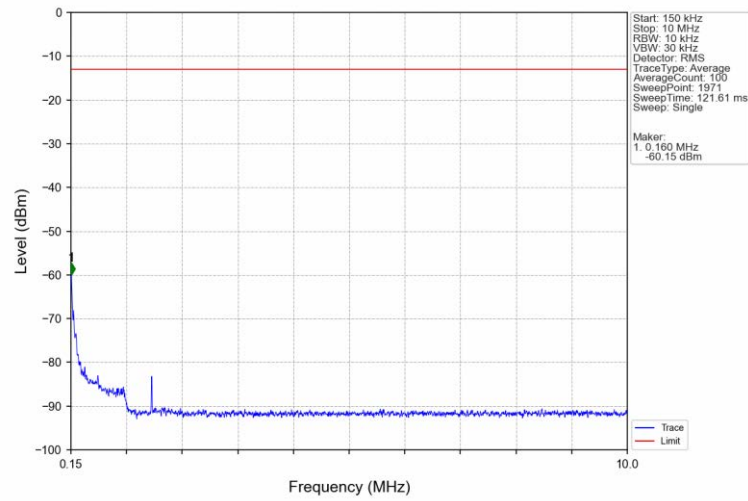


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.460	-47.16	-13	Pass
823	824	0.003	/	2	823.995	-43.23	-13	Pass
824	827	0.003	/	/	/	/	/	/

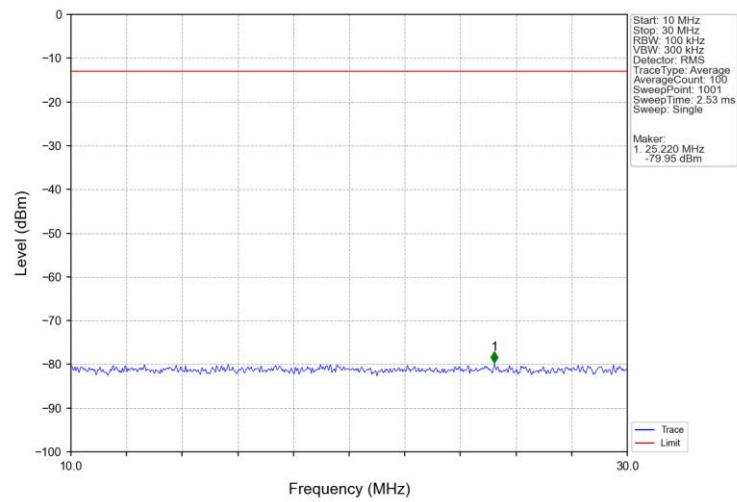
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



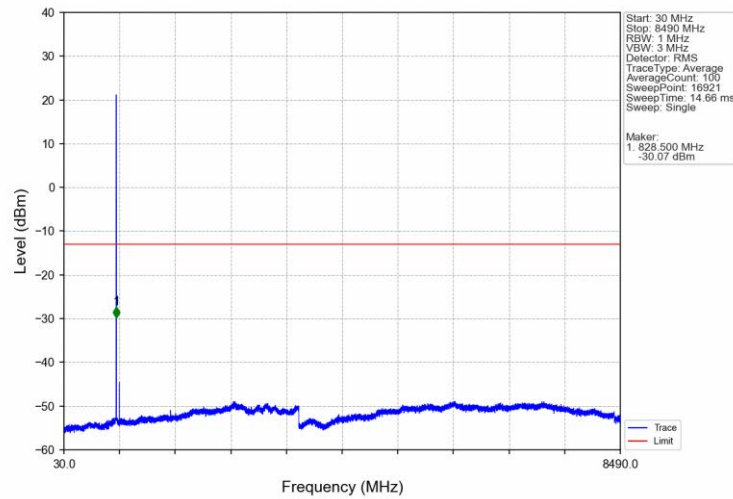
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



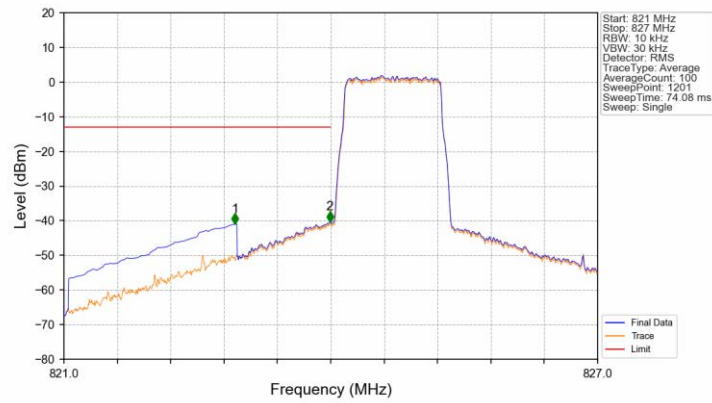
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

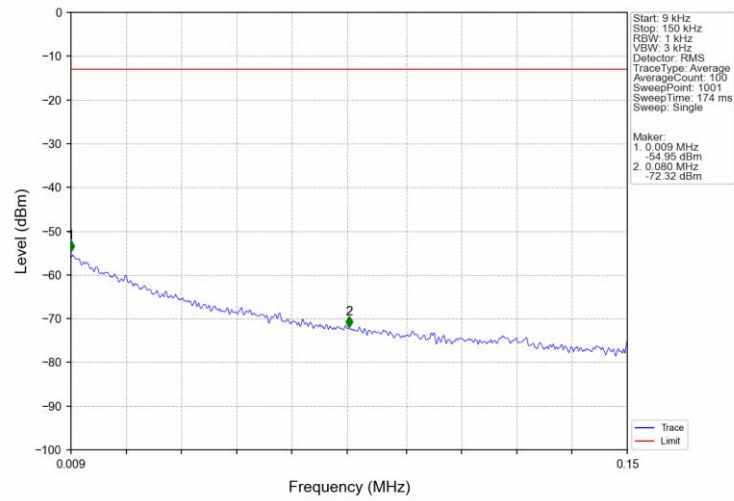


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

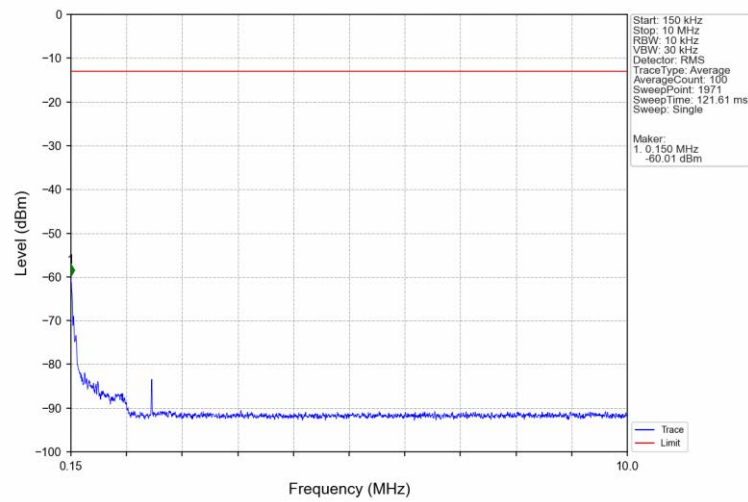


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.925	-40.95	-13	Pass
823	824	0.013	CHP	2	823.990	-40.33	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

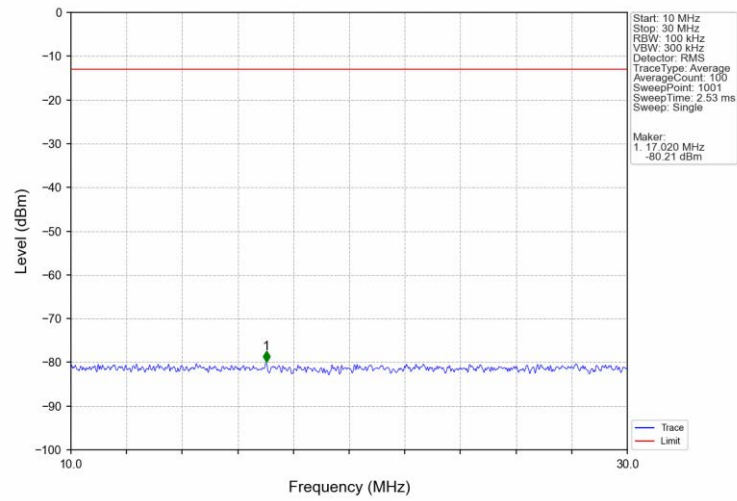
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



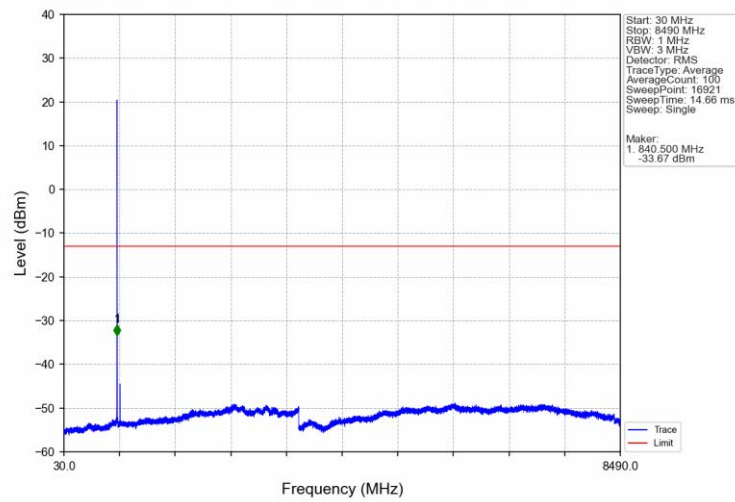
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



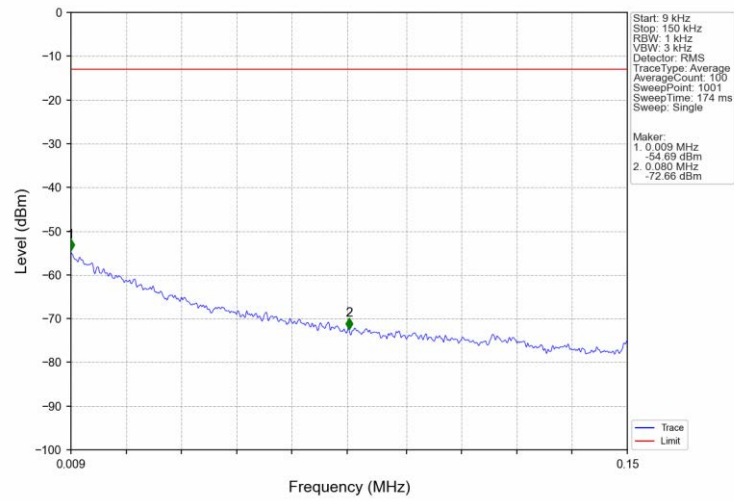
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



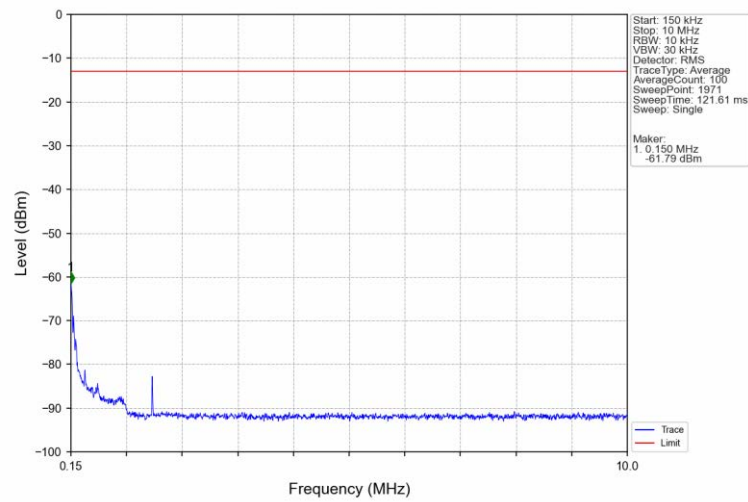
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



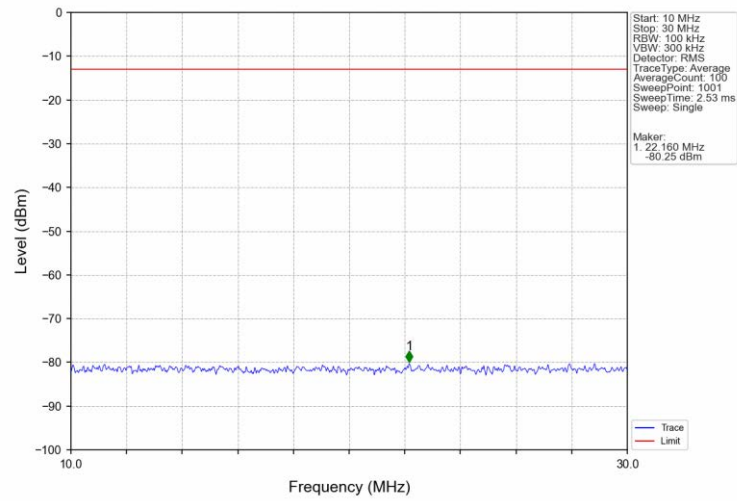
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



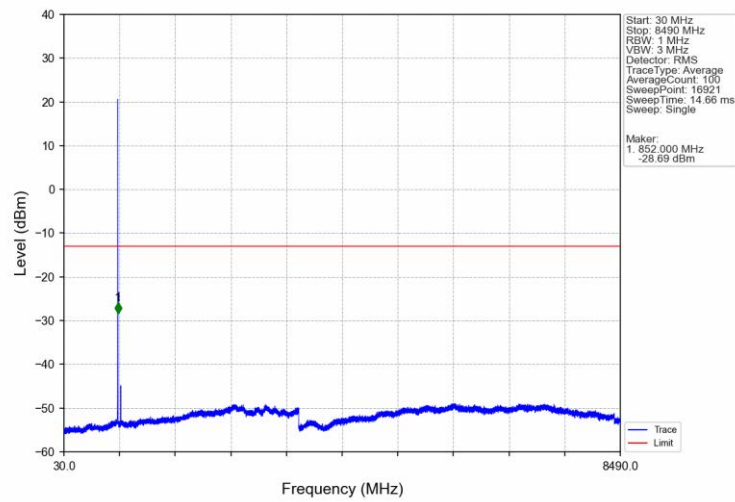
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



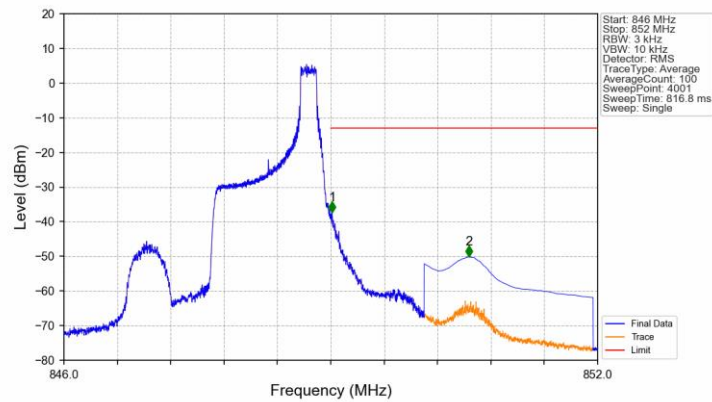
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

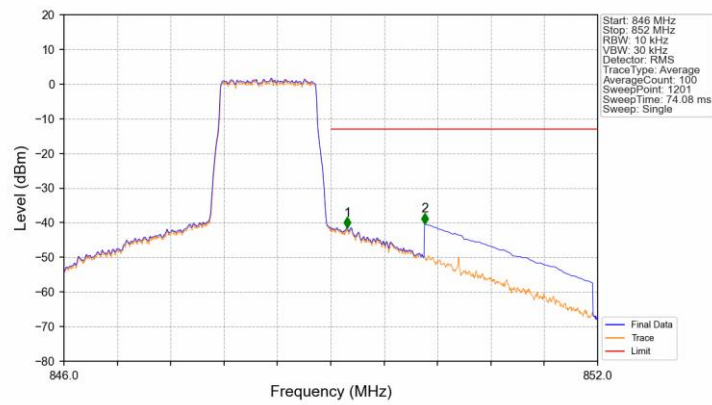


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.015	-37.30	-13	Pass
850	852	0.1	CHP	2	850.556	-50.15	-13	Pass

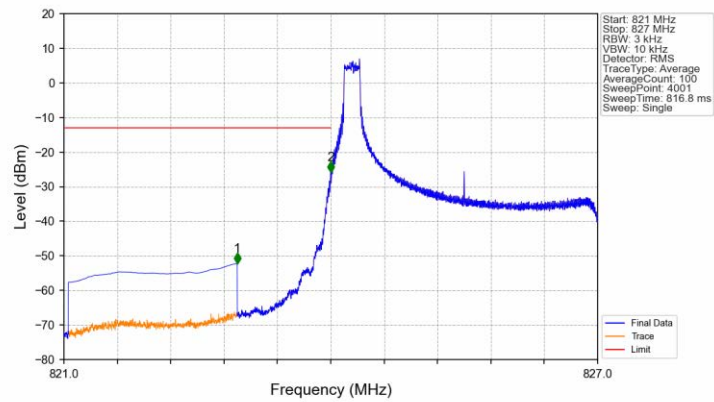
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.185	-41.44	-13	Pass
850	852	0.1	CHP	2	850.055	-40.33	-13	Pass

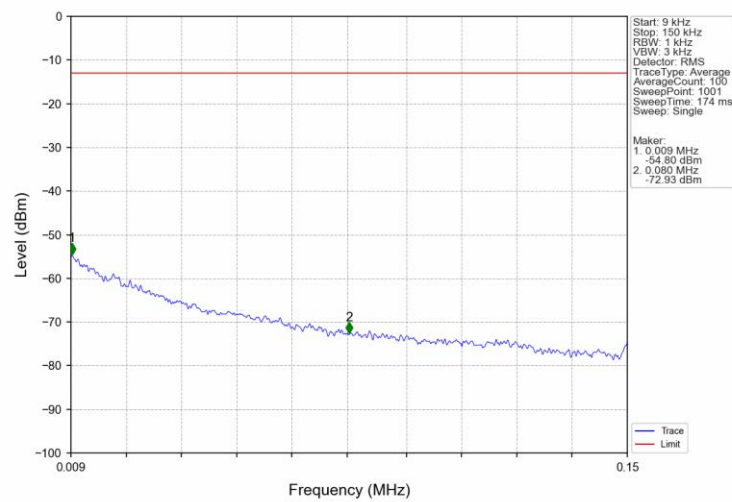
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

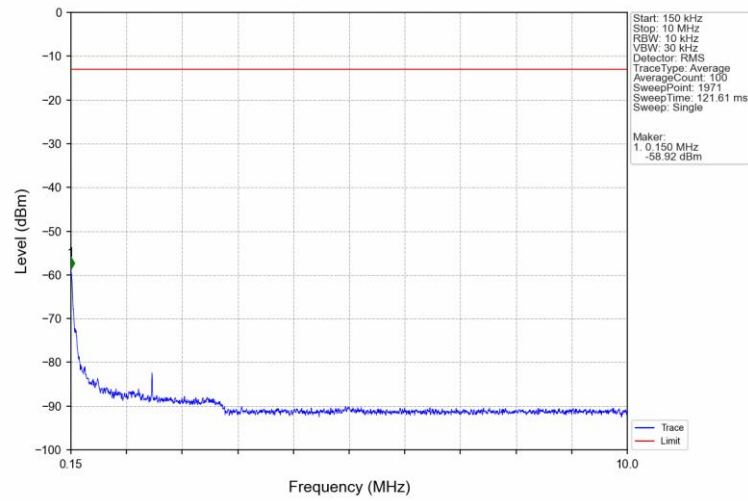


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-52.21	-13	Pass
823	824	0.003	/	2	823.999	-25.87	-13	Pass
824	827	0.003	/	/	/	/	/	/

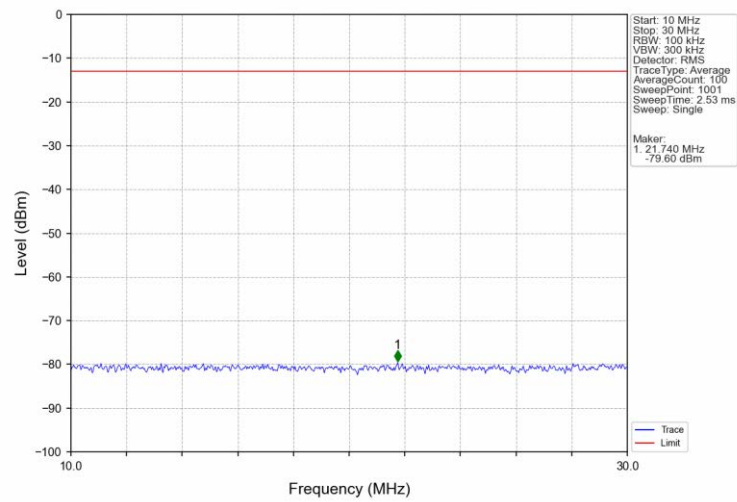
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



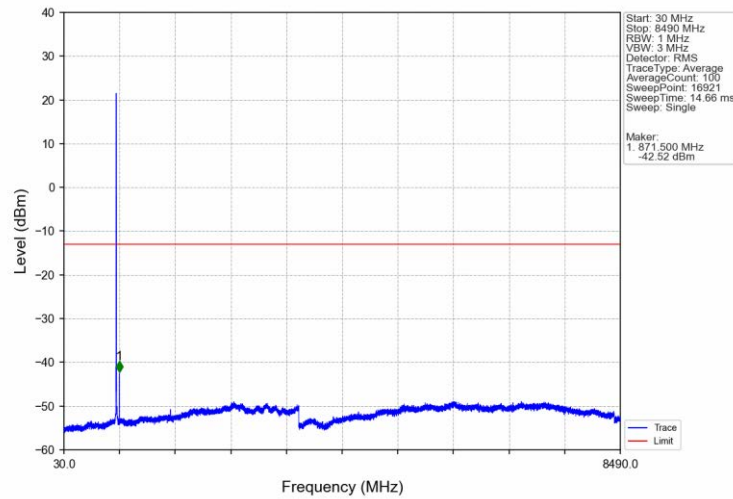
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



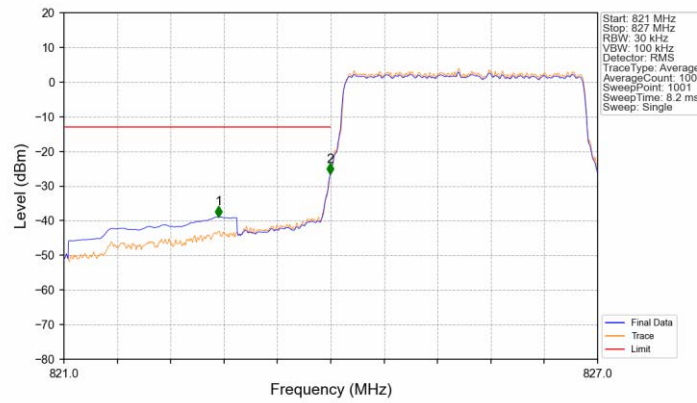
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

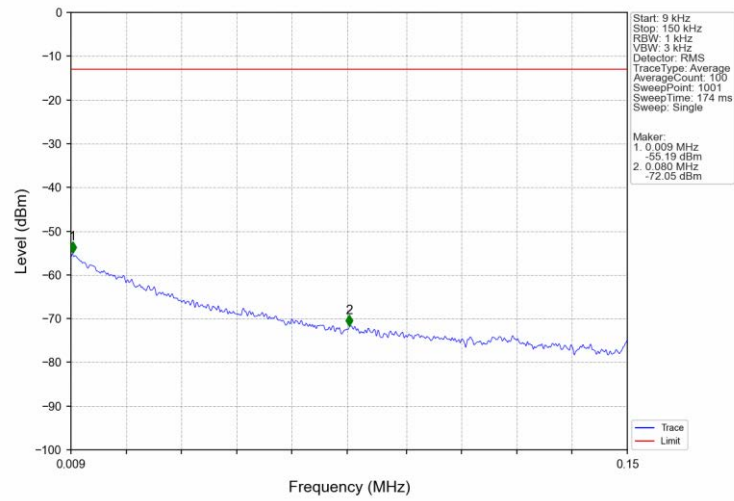


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

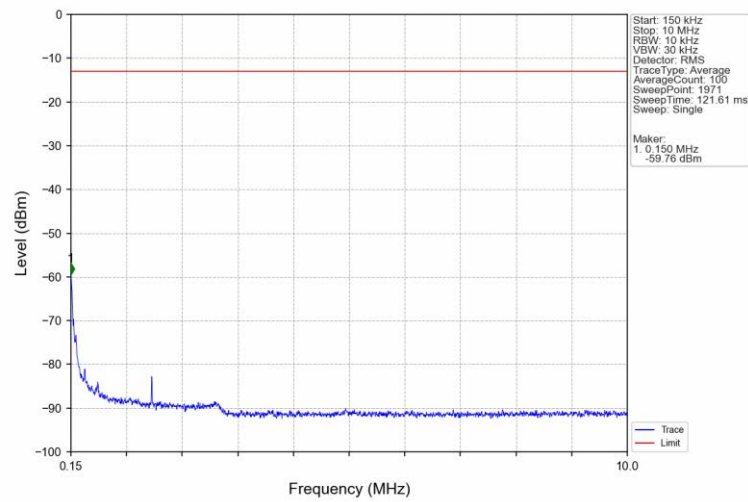


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.740	-38.87	-13	Pass
823	824	0.031	CHP	2	823.994	-26.52	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

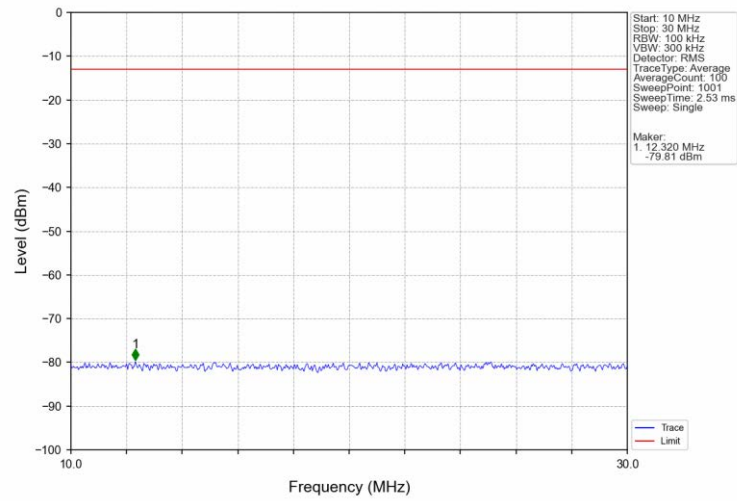
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



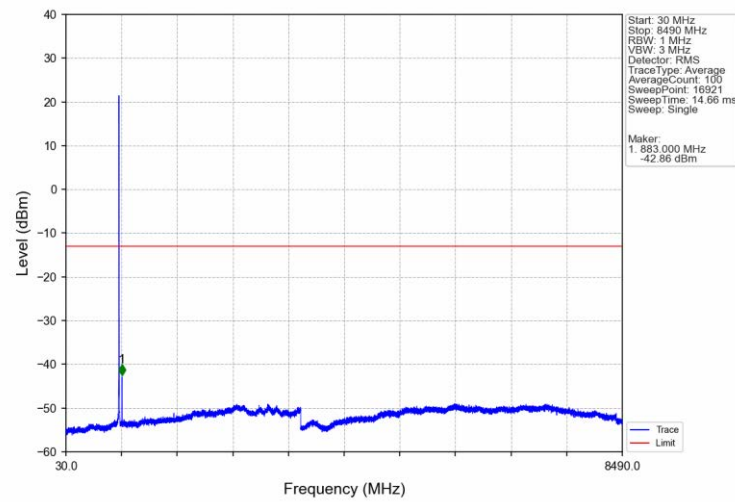
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



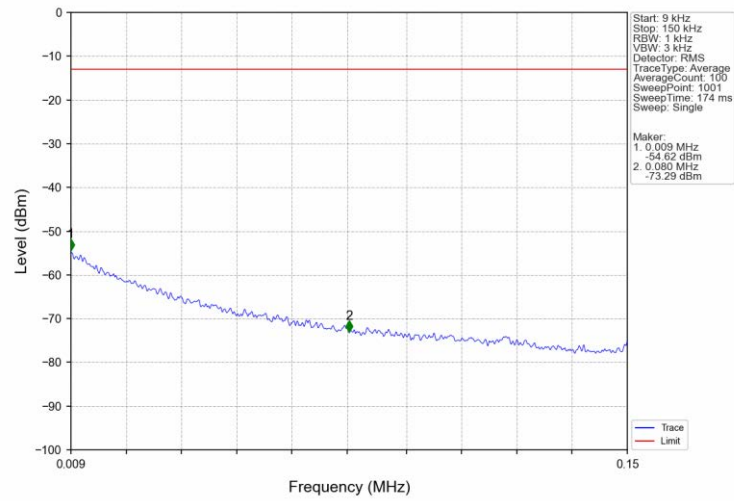
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



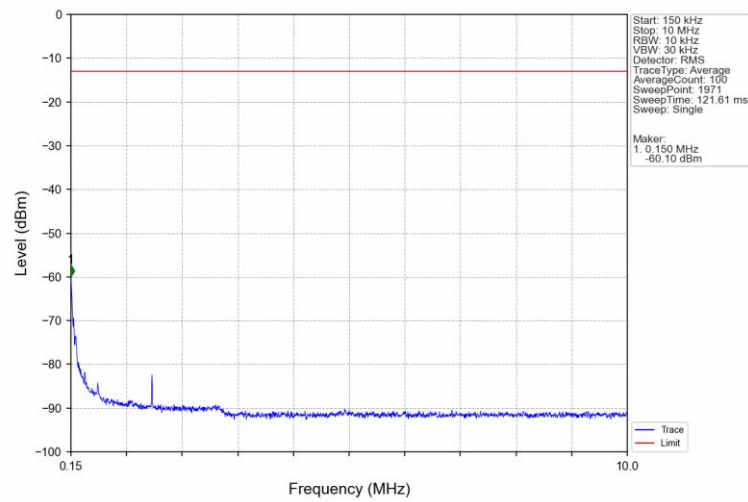
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



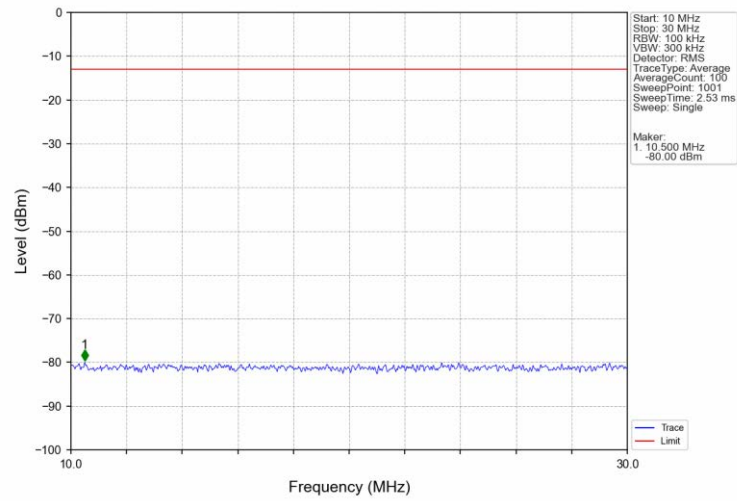
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

