

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	21.77	-2.75	16.87	<=38.45	Pass
			2	21.77	-2.75	16.87	<=38.45	Pass
			5	21.77	-2.75	16.87	<=38.45	Pass
		3	0	21.87	-2.75	16.97	<=38.45	Pass
			2	21.77	-2.75	16.87	<=38.45	Pass
			3	21.83	-2.75	16.93	<=38.45	Pass
		6	0	21.22	-2.75	16.32	<=38.45	Pass
	836.5	1	0	21.69	-2.75	16.79	<=38.45	Pass
			2	21.82	-2.75	16.92	<=38.45	Pass
			5	21.79	-2.75	16.89	<=38.45	Pass
		3	0	21.77	-2.75	16.87	<=38.45	Pass
			2	21.81	-2.75	16.91	<=38.45	Pass
			3	21.74	-2.75	16.84	<=38.45	Pass
		6	0	21.28	-2.75	16.38	<=38.45	Pass
	848.3	1	0	21.74	-2.75	16.84	<=38.45	Pass
			2	21.79	-2.75	16.89	<=38.45	Pass
			5	21.76	-2.75	16.86	<=38.45	Pass
		3	0	21.83	-2.75	16.93	<=38.45	Pass
			2	21.80	-2.75	16.90	<=38.45	Pass
			3	21.81	-2.75	16.91	<=38.45	Pass
		6	0	21.20	-2.75	16.30	<=38.45	Pass
16QAM	824.7	1	0	20.80	-2.75	15.90	<=38.45	Pass
			2	20.84	-2.75	15.94	<=38.45	Pass
			5	20.77	-2.75	15.87	<=38.45	Pass
		3	0	20.53	-2.75	15.63	<=38.45	Pass
			2	20.62	-2.75	15.72	<=38.45	Pass
			3	20.57	-2.75	15.67	<=38.45	Pass
		6	0	19.98	-2.75	15.08	<=38.45	Pass
	836.5	1	0	21.40	-2.75	16.50	<=38.45	Pass
			2	21.45	-2.75	16.55	<=38.45	Pass
			5	21.52	-2.75	16.62	<=38.45	Pass
		3	0	20.87	-2.75	15.97	<=38.45	Pass
			2	20.85	-2.75	15.95	<=38.45	Pass
			3	20.84	-2.75	15.94	<=38.45	Pass
		6	0	20.36	-2.75	15.46	<=38.45	Pass
	848.3	1	0	21.30	-2.75	16.40	<=38.45	Pass
			2	21.29	-2.75	16.39	<=38.45	Pass
			5	21.30	-2.75	16.40	<=38.45	Pass
		3	0	20.65	-2.75	15.75	<=38.45	Pass
			2	20.71	-2.75	15.81	<=38.45	Pass
			3	20.66	-2.75	15.76	<=38.45	Pass
		6	0	20.24	-2.75	15.34	<=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	21.78	-2.75	16.88	<=38.45	Pass
			7	21.83	-2.75	16.93	<=38.45	Pass
			14	21.88	-2.75	16.98	<=38.45	Pass
		8	0	21.30	-2.75	16.40	<=38.45	Pass
			4	21.29	-2.75	16.39	<=38.45	Pass
			7	21.36	-2.75	16.46	<=38.45	Pass
		15	0	21.25	-2.75	16.35	<=38.45	Pass
	836.5	1	0	21.69	-2.75	16.79	<=38.45	Pass
			7	21.75	-2.75	16.85	<=38.45	Pass
			14	21.75	-2.75	16.85	<=38.45	Pass
		8	0	21.23	-2.75	16.33	<=38.45	Pass
			4	21.27	-2.75	16.37	<=38.45	Pass
			7	21.20	-2.75	16.30	<=38.45	Pass
		15	0	21.23	-2.75	16.33	<=38.45	Pass
	847.5	1	0	21.63	-2.75	16.73	<=38.45	Pass
			7	21.74	-2.75	16.84	<=38.45	Pass
			14	21.73	-2.75	16.83	<=38.45	Pass
		8	0	21.38	-2.75	16.48	<=38.45	Pass
			4	21.27	-2.75	16.37	<=38.45	Pass
			7	21.26	-2.75	16.36	<=38.45	Pass
		15	0	21.33	-2.75	16.43	<=38.45	Pass
16QAM	825.5	1	0	21.00	-2.75	16.10	<=38.45	Pass
			7	21.07	-2.75	16.17	<=38.45	Pass
			14	21.16	-2.75	16.26	<=38.45	Pass
		8	0	20.08	-2.75	15.18	<=38.45	Pass
			4	20.07	-2.75	15.17	<=38.45	Pass
			7	20.00	-2.75	15.10	<=38.45	Pass
		15	0	19.86	-2.75	14.96	<=38.45	Pass
	836.5	1	0	21.98	-2.75	17.08	<=38.45	Pass
			7	22.12	-2.75	17.22	<=38.45	Pass
			14	22.03	-2.75	17.13	<=38.45	Pass
		8	0	20.34	-2.75	15.44	<=38.45	Pass
			4	20.36	-2.75	15.46	<=38.45	Pass
			7	20.35	-2.75	15.45	<=38.45	Pass
		15	0	20.35	-2.75	15.45	<=38.45	Pass
	847.5	1	0	21.62	-2.75	16.72	<=38.45	Pass
			7	21.60	-2.75	16.70	<=38.45	Pass
			14	21.53	-2.75	16.63	<=38.45	Pass
		8	0	20.53	-2.75	15.63	<=38.45	Pass
			4	20.47	-2.75	15.57	<=38.45	Pass
			7	20.54	-2.75	15.64	<=38.45	Pass
		15	0	20.33	-2.75	15.43	<=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	21.60	-2.75	16.70	<=38.45	Pass
			13	21.76	-2.75	16.86	<=38.45	Pass
			24	21.70	-2.75	16.80	<=38.45	Pass
		12	0	21.37	-2.75	16.47	<=38.45	Pass
			6	21.44	-2.75	16.54	<=38.45	Pass
			13	21.29	-2.75	16.39	<=38.45	Pass

	836.5	25	0	21.32	-2.75	16.42	<=38.45	Pass
		1	0	21.77	-2.75	16.87	<=38.45	Pass
			13	21.79	-2.75	16.89	<=38.45	Pass
			24	21.80	-2.75	16.90	<=38.45	Pass
		12	0	21.27	-2.75	16.37	<=38.45	Pass
			6	21.40	-2.75	16.50	<=38.45	Pass
			13	21.19	-2.75	16.29	<=38.45	Pass
		25	0	21.39	-2.75	16.49	<=38.45	Pass
	846.5	1	0	21.80	-2.75	16.90	<=38.45	Pass
			13	21.85	-2.75	16.95	<=38.45	Pass
			24	21.72	-2.75	16.82	<=38.45	Pass
		12	0	21.29	-2.75	16.39	<=38.45	Pass
			6	21.29	-2.75	16.39	<=38.45	Pass
			13	21.30	-2.75	16.40	<=38.45	Pass
		25	0	21.30	-2.75	16.40	<=38.45	Pass
16QAM	826.5	1	0	21.36	-2.75	16.46	<=38.45	Pass
			13	21.44	-2.75	16.54	<=38.45	Pass
			24	21.45	-2.75	16.55	<=38.45	Pass
		12	0	19.70	-2.75	14.80	<=38.45	Pass
			6	19.80	-2.75	14.90	<=38.45	Pass
			13	19.84	-2.75	14.94	<=38.45	Pass
		25	0	19.91	-2.75	15.01	<=38.45	Pass
	836.5	1	0	21.23	-2.75	16.33	<=38.45	Pass
			13	21.31	-2.75	16.41	<=38.45	Pass
			24	21.29	-2.75	16.39	<=38.45	Pass
		12	0	20.03	-2.75	15.13	<=38.45	Pass
			6	20.18	-2.75	15.28	<=38.45	Pass
			13	20.14	-2.75	15.24	<=38.45	Pass
		25	0	20.19	-2.75	15.29	<=38.45	Pass
	846.5	1	0	20.40	-2.75	15.50	<=38.45	Pass
			13	20.43	-2.75	15.53	<=38.45	Pass
			24	20.44	-2.75	15.54	<=38.45	Pass
		12	0	19.85	-2.75	14.95	<=38.45	Pass
			6	20.24	-2.75	15.34	<=38.45	Pass
			13	20.22	-2.75	15.32	<=38.45	Pass
		25	0	20.36	-2.75	15.46	<=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	21.69	-2.75	16.79	<=38.45	Pass
			25	21.84	-2.75	16.94	<=38.45	Pass
			49	21.77	-2.75	16.87	<=38.45	Pass
		25	0	21.44	-2.75	16.54	<=38.45	Pass
			13	21.30	-2.75	16.40	<=38.45	Pass
			25	21.49	-2.75	16.59	<=38.45	Pass
		50	0	21.43	-2.75	16.53	<=38.45	Pass
	836.5	1	0	21.91	-2.75	17.01	<=38.45	Pass
			25	21.88	-2.75	16.98	<=38.45	Pass
			49	21.92	-2.75	17.02	<=38.45	Pass
		25	0	21.41	-2.75	16.51	<=38.45	Pass
			13	21.34	-2.75	16.44	<=38.45	Pass
			25	21.38	-2.75	16.48	<=38.45	Pass
		50	0	21.33	-2.75	16.43	<=38.45	Pass

16QAM	844	1	0	21.68	-2.75	16.78	<=38.45	Pass
			25	21.71	-2.75	16.81	<=38.45	Pass
			49	21.71	-2.75	16.81	<=38.45	Pass
		25	0	21.38	-2.75	16.48	<=38.45	Pass
			13	21.35	-2.75	16.45	<=38.45	Pass
			25	21.36	-2.75	16.46	<=38.45	Pass
		50	0	21.37	-2.75	16.47	<=38.45	Pass
			0	21.15	-2.75	16.25	<=38.45	Pass
			25	21.17	-2.75	16.27	<=38.45	Pass
16QAM	829	1	49	21.16	-2.75	16.26	<=38.45	Pass
			0	20.05	-2.75	15.15	<=38.45	Pass
			13	20.00	-2.75	15.10	<=38.45	Pass
		25	25	20.07	-2.75	15.17	<=38.45	Pass
			0	19.86	-2.75	14.96	<=38.45	Pass
			0	21.51	-2.75	16.61	<=38.45	Pass
		25	25	21.55	-2.75	16.65	<=38.45	Pass
			49	21.48	-2.75	16.58	<=38.45	Pass
			0	20.44	-2.75	15.54	<=38.45	Pass
16QAM	836.5	1	13	20.36	-2.75	15.46	<=38.45	Pass
			25	20.04	-2.75	15.14	<=38.45	Pass
			0	20.34	-2.75	15.44	<=38.45	Pass
		25	0	21.52	-2.75	16.62	<=38.45	Pass
			25	21.55	-2.75	16.65	<=38.45	Pass
			49	21.53	-2.75	16.63	<=38.45	Pass
		50	0	19.88	-2.75	14.98	<=38.45	Pass
			13	19.85	-2.75	14.95	<=38.45	Pass
			25	20.34	-2.75	15.44	<=38.45	Pass
16QAM	844	1	0	19.86	-2.75	14.96	<=38.45	Pass
			0	21.52	-2.75	16.62	<=38.45	Pass
			25	21.55	-2.75	16.65	<=38.45	Pass
		25	49	21.53	-2.75	16.63	<=38.45	Pass
			0	19.88	-2.75	14.98	<=38.45	Pass
			13	19.85	-2.75	14.95	<=38.45	Pass
		50	25	20.34	-2.75	15.44	<=38.45	Pass
			0	19.86	-2.75	14.96	<=38.45	Pass
			0	21.52	-2.75	16.62	<=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	18.754	0.0227	-2.5 to 2.5	Pass
					3.85	-19.798	-0.0240	-2.5 to 2.5	Pass
					4.43	-27.380	-0.0332	-2.5 to 2.5	Pass
				-30	3.85	-14.763	-0.0179	-2.5 to 2.5	Pass
					3.85	-32.372	-0.0393	-2.5 to 2.5	Pass
					3.85	0.558	0.0007	-2.5 to 2.5	Pass
				0	3.85	-9.542	-0.0116	-2.5 to 2.5	Pass
					3.85	-17.109	-0.0207	-2.5 to 2.5	Pass
					3.85	-26.565	-0.0322	-2.5 to 2.5	Pass
				40	3.85	-34.089	-0.0413	-2.5 to 2.5	Pass
					3.85	-43.530	-0.0528	-2.5 to 2.5	Pass
					3.85	-43.530	-0.0528	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	27.924	0.0334	-2.5 to 2.5	Pass
					3.85	37.193	0.0445	-2.5 to 2.5	Pass
					4.43	30.184	0.0361	-2.5 to 2.5	Pass
				-30	3.85	27.394	0.0327	-2.5 to 2.5	Pass
					3.85	6.938	0.0083	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0052	-2.5 to 2.5	Pass

				0	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-9.971	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-14.877	-0.0178	-2.5 to 2.5	Pass
				40	3.85	-18.854	-0.0225	-2.5 to 2.5	Pass
				50	3.85	-7.997	-0.0096	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	11.115	0.0131	-2.5 to 2.5	Pass
					3.85	-27.652	-0.0326	-2.5 to 2.5	Pass
					4.43	-11.773	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-42.114	-0.0496	-2.5 to 2.5	Pass
				-20	3.85	-13.862	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-29.826	-0.0352	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-12.317	-0.0145	-2.5 to 2.5	Pass
				30	3.85	-15.650	-0.0184	-2.5 to 2.5	Pass
				40	3.85	-26.321	-0.0310	-2.5 to 2.5	Pass
				50	3.85	-33.417	-0.0394	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-5.279	-0.0064	-2.5 to 2.5	Pass
					3.85	10.757	0.0130	-2.5 to 2.5	Pass
					4.43	20.685	0.0251	-2.5 to 2.5	Pass
				-30	3.85	36.635	0.0444	-2.5 to 2.5	Pass
				-20	3.85	45.776	0.0555	-2.5 to 2.5	Pass
				-10	3.85	40.698	0.0493	-2.5 to 2.5	Pass
				0	3.85	4.420	0.0054	-2.5 to 2.5	Pass
				10	3.85	9.813	0.0119	-2.5 to 2.5	Pass
				30	3.85	4.334	0.0053	-2.5 to 2.5	Pass
				40	3.85	10.901	0.0132	-2.5 to 2.5	Pass
				50	3.85	8.926	0.0108	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.452	-0.0077	-2.5 to 2.5	Pass
					3.85	0.858	0.0010	-2.5 to 2.5	Pass
					4.43	17.223	0.0206	-2.5 to 2.5	Pass
				-30	3.85	19.026	0.0227	-2.5 to 2.5	Pass
				-20	3.85	14.405	0.0172	-2.5 to 2.5	Pass
				-10	3.85	18.325	0.0219	-2.5 to 2.5	Pass
				0	3.85	16.422	0.0196	-2.5 to 2.5	Pass
				10	3.85	20.943	0.0250	-2.5 to 2.5	Pass
				30	3.85	31.929	0.0382	-2.5 to 2.5	Pass
				40	3.85	39.539	0.0473	-2.5 to 2.5	Pass
				50	3.85	35.276	0.0422	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-33.917	-0.0400	-2.5 to 2.5	Pass
					3.85	-28.524	-0.0336	-2.5 to 2.5	Pass
					4.43	-30.942	-0.0365	-2.5 to 2.5	Pass
				-30	3.85	-20.199	-0.0238	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0031	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-9.141	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-18.625	-0.0220	-2.5 to 2.5	Pass
				40	3.85	-7.954	-0.0094	-2.5 to 2.5	Pass
				50	3.85	5.207	0.0061	-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	21.086	0.0255	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0119	-2.5 to 2.5	Pass

					4.43	-42.000	-0.0509	-2.5 to 2.5	Pass	
				-30	3.85	-8.354	-0.0101	-2.5 to 2.5	Pass	
				-20	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass	
				-10	3.85	-40.069	-0.0485	-2.5 to 2.5	Pass	
				0	3.85	-13.704	-0.0166	-2.5 to 2.5	Pass	
				10	3.85	-25.921	-0.0314	-2.5 to 2.5	Pass	
				30	3.85	-40.755	-0.0494	-2.5 to 2.5	Pass	
				40	3.85	-15.478	-0.0187	-2.5 to 2.5	Pass	
				50	3.85	-23.818	-0.0289	-2.5 to 2.5	Pass	
	836.5	15	0	20	3.27	9.556	0.0114	-2.5 to 2.5	Pass	
					3.85	-1.159	-0.0014	-2.5 to 2.5	Pass	
					4.43	-19.469	-0.0233	-2.5 to 2.5	Pass	
				-30	3.85	-28.811	-0.0344	-2.5 to 2.5	Pass	
				-20	3.85	-38.037	-0.0455	-2.5 to 2.5	Pass	
				-10	3.85	-49.224	-0.0588	-2.5 to 2.5	Pass	
				0	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass	
				10	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass	
				30	3.85	-8.683	-0.0104	-2.5 to 2.5	Pass	
	40	3.85	-20.585	-0.0246	-2.5 to 2.5	Pass				
	50	3.85	-14.277	-0.0171	-2.5 to 2.5	Pass				
	847.5	15	0	20	3.27	16.809	0.0198	-2.5 to 2.5	Pass	
					3.85	-13.747	-0.0162	-2.5 to 2.5	Pass	
					4.43	-1.302	-0.0015	-2.5 to 2.5	Pass	
				-30	3.85	-25.549	-0.0301	-2.5 to 2.5	Pass	
				-20	3.85	-39.625	-0.0468	-2.5 to 2.5	Pass	
				-10	3.85	-1.845	-0.0022	-2.5 to 2.5	Pass	
				0	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass	
				10	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass	
				30	3.85	-12.445	-0.0147	-2.5 to 2.5	Pass	
	40	3.85	-18.840	-0.0222	-2.5 to 2.5	Pass				
	50	3.85	-28.710	-0.0339	-2.5 to 2.5	Pass				
	16QAM	825.5	15	0	20	3.27	-21.214	-0.0257	-2.5 to 2.5	Pass
						3.85	-10.443	-0.0127	-2.5 to 2.5	Pass
4.43						-4.992	-0.0060	-2.5 to 2.5	Pass	
-30					3.85	-1.602	-0.0019	-2.5 to 2.5	Pass	
-20					3.85	-1.931	-0.0023	-2.5 to 2.5	Pass	
-10					3.85	-1.931	-0.0023	-2.5 to 2.5	Pass	
0					3.85	3.190	0.0039	-2.5 to 2.5	Pass	
10					3.85	7.639	0.0093	-2.5 to 2.5	Pass	
30					3.85	12.302	0.0149	-2.5 to 2.5	Pass	
40		3.85	14.348	0.0174	-2.5 to 2.5	Pass				
50		3.85	19.226	0.0233	-2.5 to 2.5	Pass				
836.5		15	0	20	3.27	-7.310	-0.0087	-2.5 to 2.5	Pass	
					3.85	2.117	0.0025	-2.5 to 2.5	Pass	
					4.43	12.674	0.0152	-2.5 to 2.5	Pass	
				-30	3.85	9.098	0.0109	-2.5 to 2.5	Pass	
				-20	3.85	12.474	0.0149	-2.5 to 2.5	Pass	
				-10	3.85	16.723	0.0200	-2.5 to 2.5	Pass	
				0	3.85	20.041	0.0240	-2.5 to 2.5	Pass	
				10	3.85	20.113	0.0240	-2.5 to 2.5	Pass	
				30	3.85	20.742	0.0248	-2.5 to 2.5	Pass	
40		3.85	27.981	0.0335	-2.5 to 2.5	Pass				
50		3.85	31.128	0.0372	-2.5 to 2.5	Pass				
847.5		15	0	20	3.27	-32.973	-0.0389	-2.5 to 2.5	Pass	
					3.85	-28.682	-0.0338	-2.5 to 2.5	Pass	
					4.43	-22.402	-0.0264	-2.5 to 2.5	Pass	
				-30	3.85	-26.579	-0.0314	-2.5 to 2.5	Pass	
				-20	3.85	-22.531	-0.0266	-2.5 to 2.5	Pass	
				-10	3.85	-12.589	-0.0149	-2.5 to 2.5	Pass	

				0	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				40	3.85	7.753	0.0091	-2.5 to 2.5	Pass
				50	3.85	2.732	0.0032	-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	22.345	0.0270	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0063	-2.5 to 2.5	Pass
					4.43	-37.093	-0.0449	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-9.041	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-33.717	-0.0408	-2.5 to 2.5	Pass
				10	3.85	-14.963	-0.0181	-2.5 to 2.5	Pass
				30	3.85	-20.556	-0.0249	-2.5 to 2.5	Pass
				40	3.85	-38.767	-0.0469	-2.5 to 2.5	Pass
				50	3.85	-44.775	-0.0542	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	16.065	0.0192	-2.5 to 2.5	Pass
					3.85	1.388	0.0017	-2.5 to 2.5	Pass
					4.43	-21.129	-0.0253	-2.5 to 2.5	Pass
				-30	3.85	-33.302	-0.0398	-2.5 to 2.5	Pass
				-20	3.85	-33.875	-0.0405	-2.5 to 2.5	Pass
				-10	3.85	-37.580	-0.0449	-2.5 to 2.5	Pass
				0	3.85	-43.416	-0.0519	-2.5 to 2.5	Pass
				10	3.85	-43.216	-0.0517	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-7.281	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0039	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	14.706	0.0174	-2.5 to 2.5	Pass
					3.85	1.531	0.0018	-2.5 to 2.5	Pass
					4.43	-22.974	-0.0271	-2.5 to 2.5	Pass
				-30	3.85	3.018	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-20.700	-0.0245	-2.5 to 2.5	Pass
				-10	3.85	-33.674	-0.0398	-2.5 to 2.5	Pass
				0	3.85	-22.745	-0.0269	-2.5 to 2.5	Pass
				10	3.85	-10.815	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-9.971	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-13.332	-0.0157	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-9.756	-0.0118	-2.5 to 2.5	Pass
					3.85	3.076	0.0037	-2.5 to 2.5	Pass
					4.43	18.439	0.0223	-2.5 to 2.5	Pass
				-30	3.85	24.977	0.0302	-2.5 to 2.5	Pass
				-20	3.85	25.048	0.0303	-2.5 to 2.5	Pass
				-10	3.85	24.662	0.0298	-2.5 to 2.5	Pass
				0	3.85	31.686	0.0383	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass
				50	3.85	10.471	0.0127	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.216	-0.0015	-2.5 to 2.5	Pass
					3.85	12.488	0.0149	-2.5 to 2.5	Pass

					4.43	10.428	0.0125	-2.5 to 2.5	Pass
				-30	3.85	9.713	0.0116	-2.5 to 2.5	Pass
				-20	3.85	10.443	0.0125	-2.5 to 2.5	Pass
				-10	3.85	18.382	0.0220	-2.5 to 2.5	Pass
				0	3.85	16.608	0.0199	-2.5 to 2.5	Pass
				10	3.85	13.032	0.0156	-2.5 to 2.5	Pass
				30	3.85	20.070	0.0240	-2.5 to 2.5	Pass
				40	3.85	25.663	0.0307	-2.5 to 2.5	Pass
				50	3.85	28.968	0.0346	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-9.556	-0.0113	-2.5 to 2.5	Pass
					3.85	-3.490	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.063	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-8.969	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-8.397	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-15.407	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-15.950	-0.0188	-2.5 to 2.5	Pass
				10	3.85	-11.129	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-14.820	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-15.206	-0.0180	-2.5 to 2.5	Pass
				50	3.85	-11.916	-0.0141	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	9.627	0.0116	-2.5 to 2.5	Pass
					3.85	-35.033	-0.0423	-2.5 to 2.5	Pass
					4.43	-29.984	-0.0362	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-34.761	-0.0419	-2.5 to 2.5	Pass
				0	3.85	-35.405	-0.0427	-2.5 to 2.5	Pass
				10	3.85	-25.663	-0.0310	-2.5 to 2.5	Pass
				30	3.85	-44.975	-0.0543	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-10.028	-0.0121	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	14.362	0.0172	-2.5 to 2.5	Pass
					3.85	5.536	0.0066	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-16.022	-0.0192	-2.5 to 2.5	Pass
				-20	3.85	-33.402	-0.0399	-2.5 to 2.5	Pass
				-10	3.85	-39.968	-0.0478	-2.5 to 2.5	Pass
				0	3.85	-38.295	-0.0458	-2.5 to 2.5	Pass
				10	3.85	-42.300	-0.0506	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-9.627	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-14.648	-0.0175	-2.5 to 2.5	Pass
	844	50	0	20	3.27	27.180	0.0322	-2.5 to 2.5	Pass
					3.85	20.285	0.0240	-2.5 to 2.5	Pass
					4.43	-12.989	-0.0154	-2.5 to 2.5	Pass
				-30	3.85	-33.174	-0.0393	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-18.954	-0.0225	-2.5 to 2.5	Pass
				0	3.85	-31.700	-0.0376	-2.5 to 2.5	Pass
				10	3.85	-28.925	-0.0343	-2.5 to 2.5	Pass
				30	3.85	-27.566	-0.0327	-2.5 to 2.5	Pass

16QAM	829	50	0	40	3.85	-28.138	-0.0333	-2.5 to 2.5	Pass
				50	3.85	-32.887	-0.0390	-2.5 to 2.5	Pass
				20	3.27	-18.182	-0.0219	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
					4.43	8.039	0.0097	-2.5 to 2.5	Pass
				-30	3.85	22.559	0.0272	-2.5 to 2.5	Pass
				-20	3.85	26.293	0.0317	-2.5 to 2.5	Pass
				-10	3.85	28.038	0.0338	-2.5 to 2.5	Pass
				0	3.85	21.458	0.0259	-2.5 to 2.5	Pass
				10	3.85	15.607	0.0188	-2.5 to 2.5	Pass
	836.5	50	0	30	3.85	18.239	0.0220	-2.5 to 2.5	Pass
				40	3.85	20.185	0.0243	-2.5 to 2.5	Pass
				50	3.85	15.478	0.0187	-2.5 to 2.5	Pass
				20	3.27	-20.299	-0.0243	-2.5 to 2.5	Pass
					3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
					4.43	-9.770	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	5.250	0.0063	-2.5 to 2.5	Pass
				-10	3.85	15.664	0.0187	-2.5 to 2.5	Pass
				0	3.85	27.795	0.0332	-2.5 to 2.5	Pass
	844	50	0	10	3.85	33.503	0.0401	-2.5 to 2.5	Pass
				30	3.85	43.845	0.0524	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0060	-2.5 to 2.5	Pass
				20	3.27	-42.272	-0.0501	-2.5 to 2.5	Pass
					3.85	-25.377	-0.0301	-2.5 to 2.5	Pass
					4.43	-11.959	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.060	0.0024	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

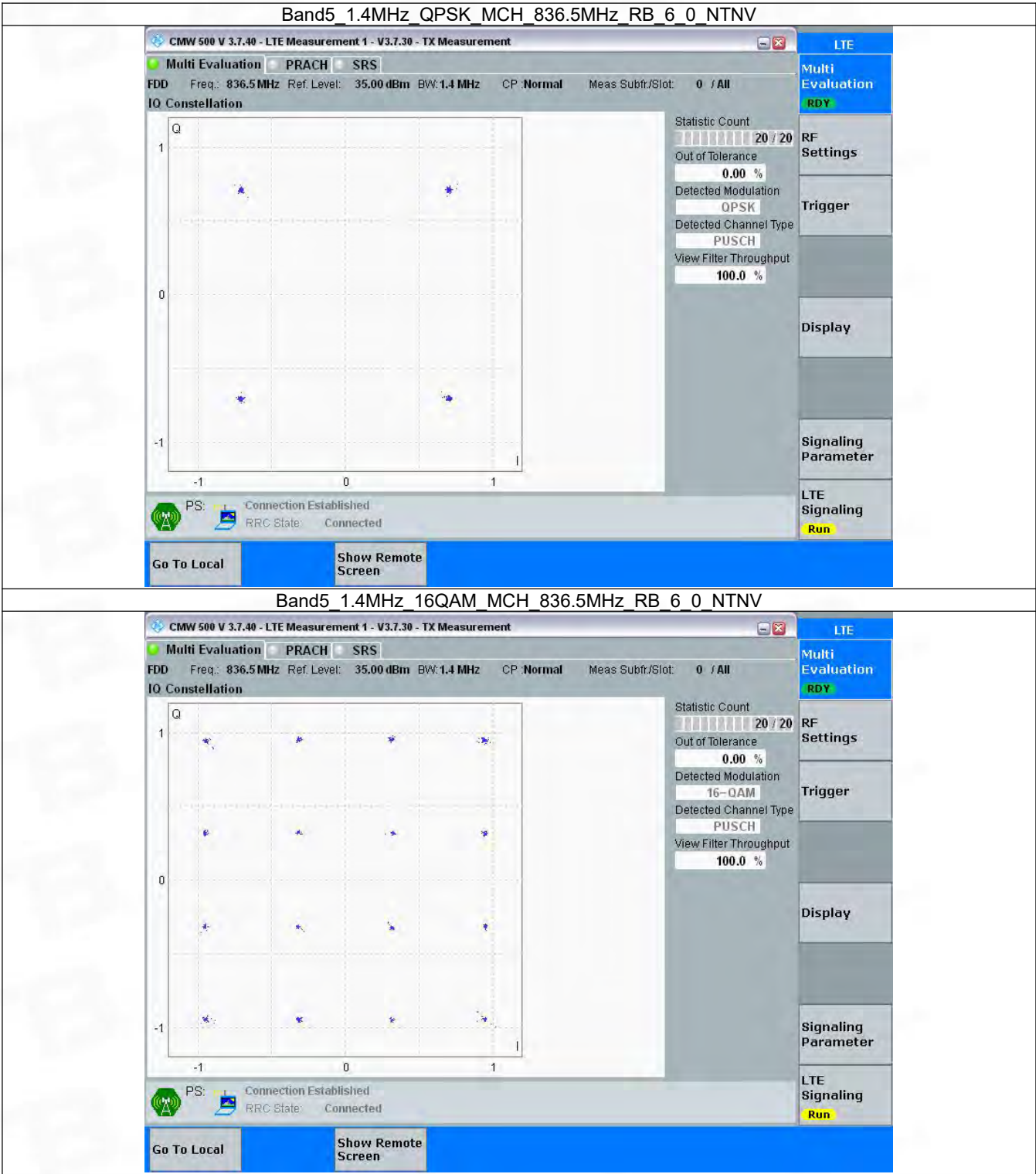
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

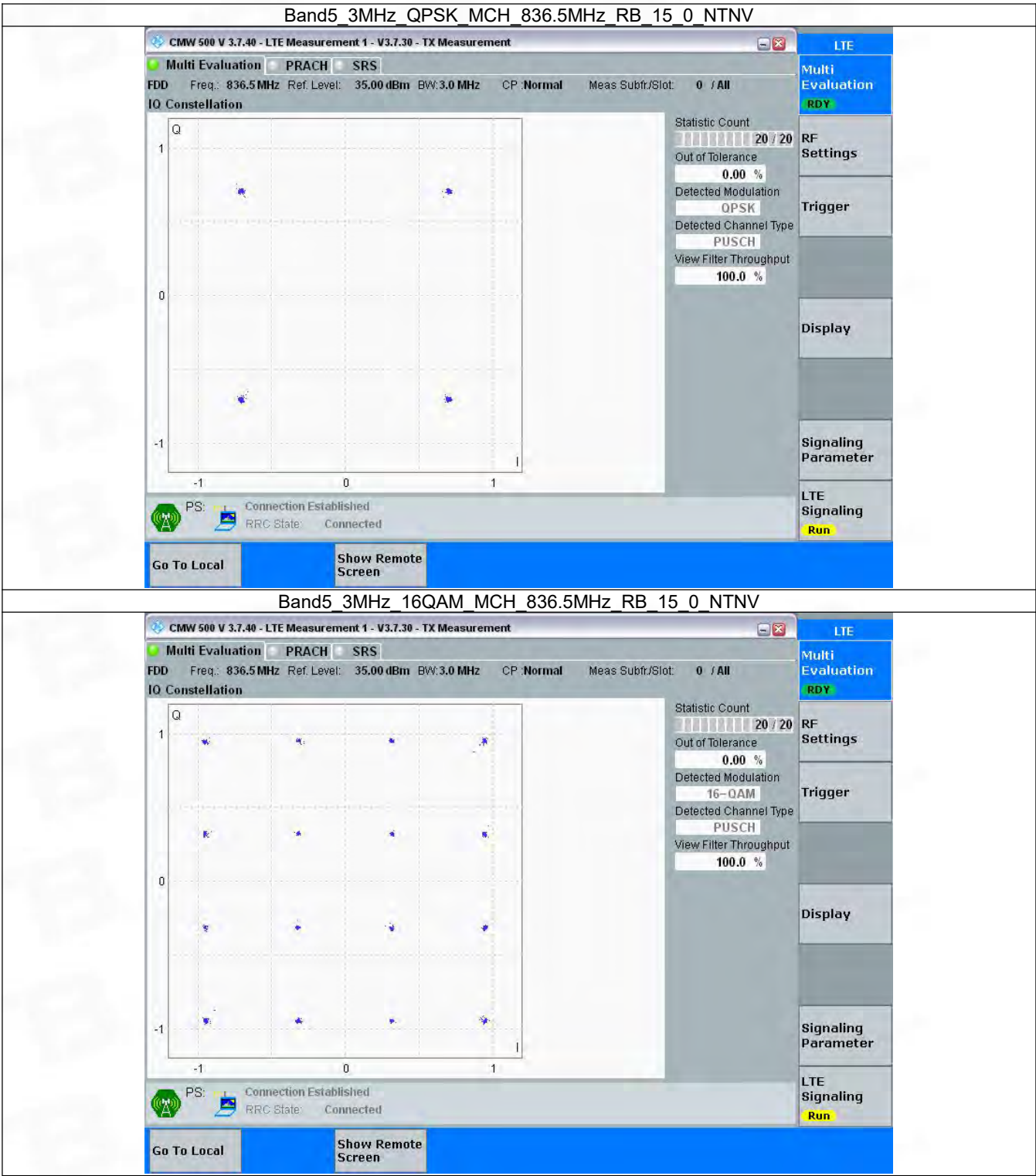
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

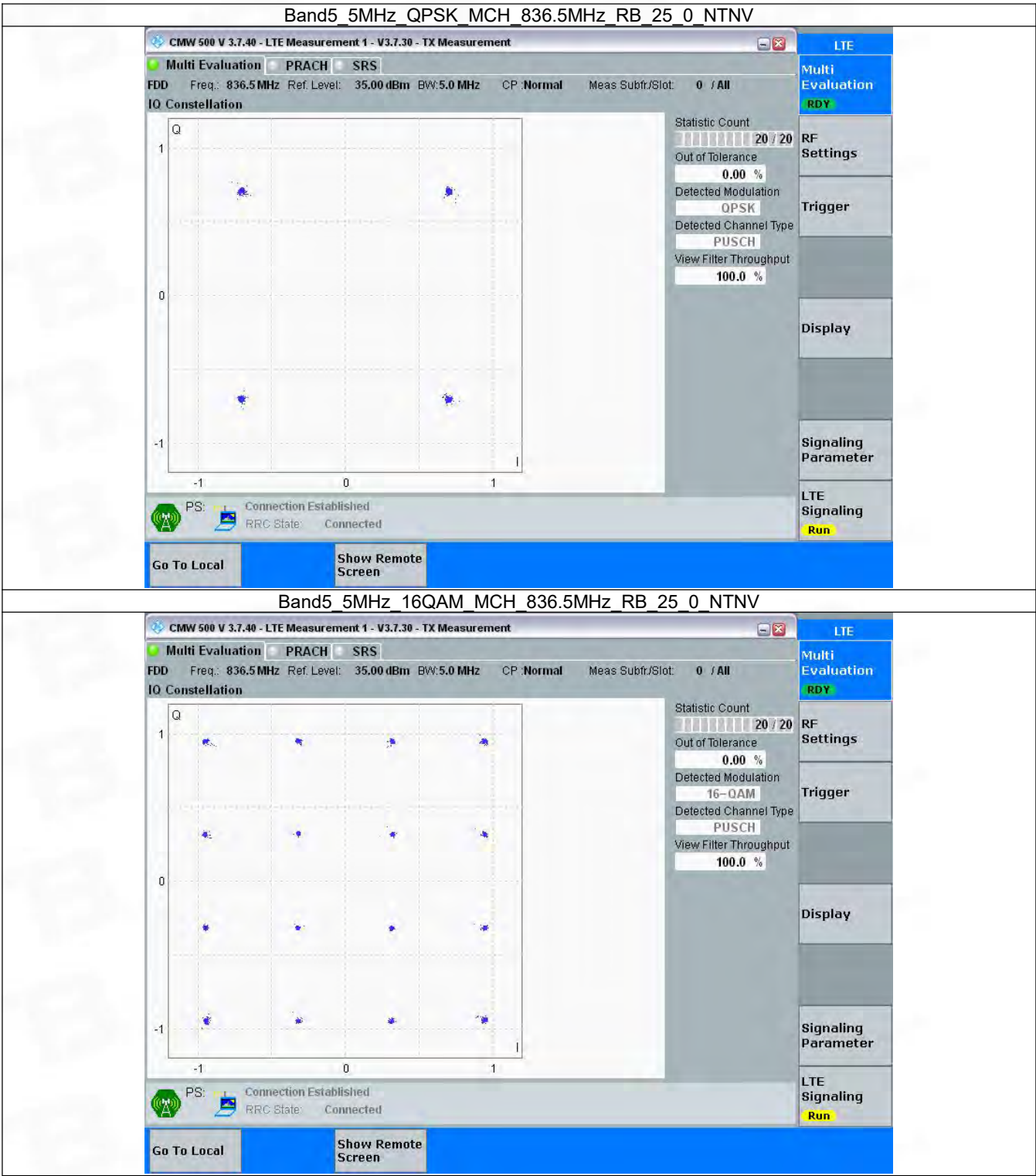
3.2.1 B5_1.4MHz



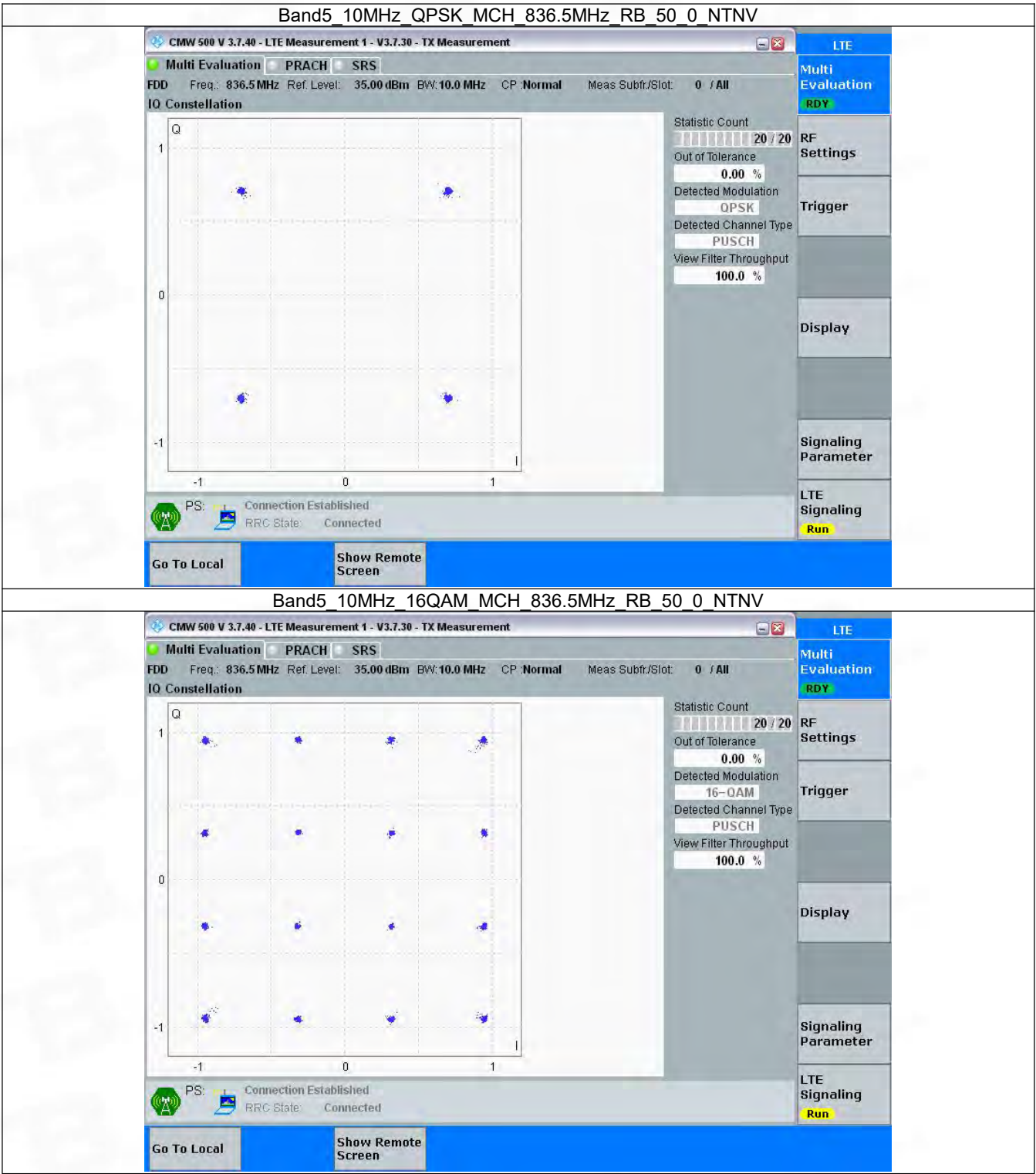
3.2.2 B5_3MHz



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	1.120	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.114	/	Pass
	16QAM	824.7	6	0	1.116	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.119	/	Pass
3	QPSK	825.5	15	0	2.764	/	Pass
		836.5	15	0	2.756	/	Pass
		847.5	15	0	2.771	/	Pass
	16QAM	825.5	15	0	2.762	/	Pass
		836.5	15	0	2.744	/	Pass
		847.5	15	0	2.756	/	Pass
5	QPSK	826.5	25	0	4.549	/	Pass
		836.5	25	0	4.548	/	Pass
		846.5	25	0	4.555	/	Pass
	16QAM	826.5	25	0	4.575	/	Pass
		836.5	25	0	4.552	/	Pass
		846.5	25	0	4.548	/	Pass
10	QPSK	829	50	0	9.075	/	Pass
		836.5	50	0	9.058	/	Pass
		844	50	0	9.065	/	Pass
	16QAM	829	50	0	9.066	/	Pass
		836.5	50	0	9.046	/	Pass
		844	50	0	9.038	/	Pass

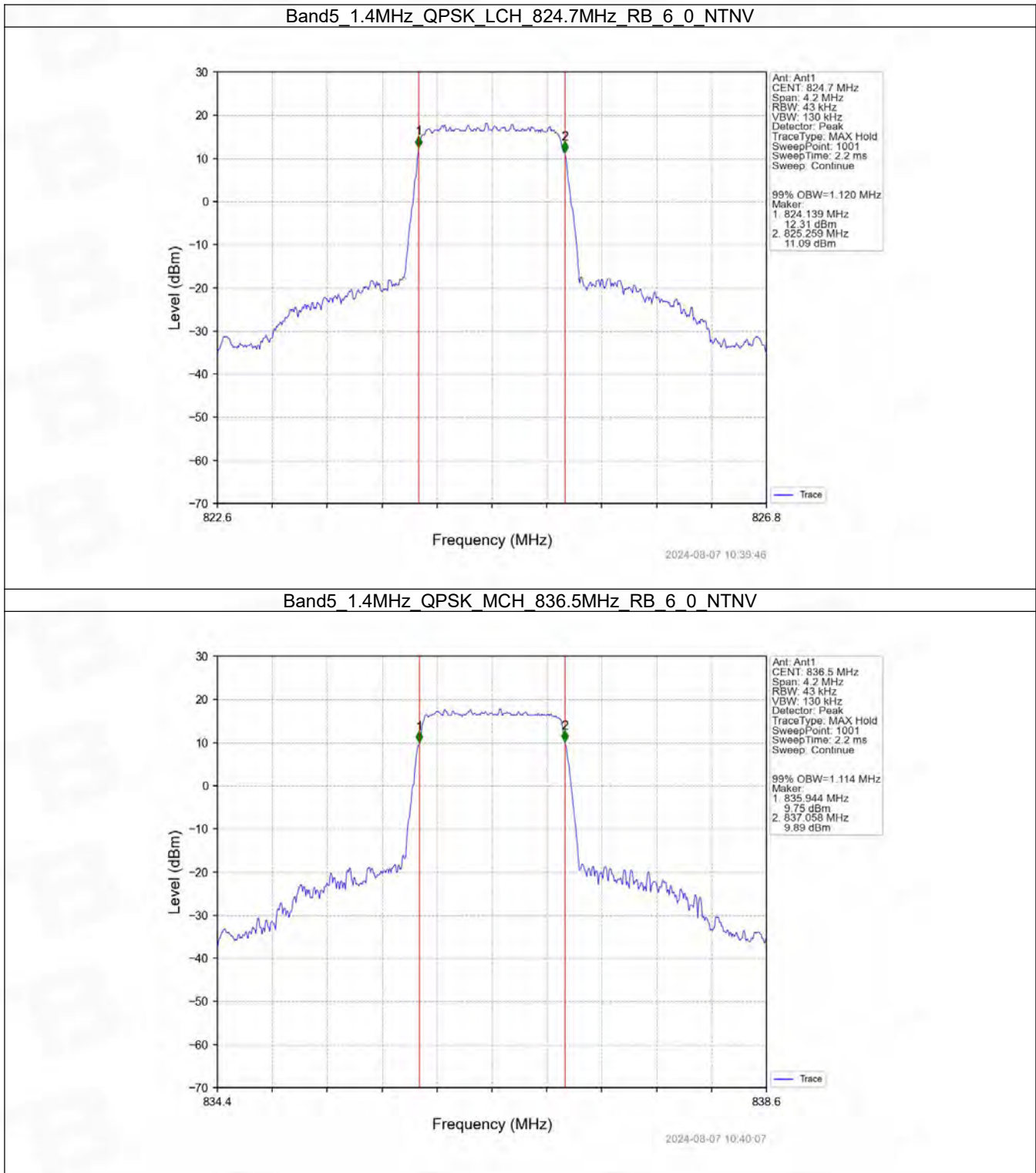
4.1.2 Band5_XDB

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	1.278	/	Pass
		836.5	6	0	1.275	/	Pass
		848.3	6	0	1.276	/	Pass
	16QAM	824.7	6	0	1.275	/	Pass
		836.5	6	0	1.265	/	Pass
		848.3	6	0	1.265	/	Pass
3	QPSK	825.5	15	0	3.093	/	Pass
		836.5	15	0	3.099	/	Pass
		847.5	15	0	3.101	/	Pass
	16QAM	825.5	15	0	3.119	/	Pass
		836.5	15	0	3.096	/	Pass
		847.5	15	0	3.084	/	Pass
5	QPSK	826.5	25	0	5.076	/	Pass
		836.5	25	0	5.075	/	Pass
		846.5	25	0	5.030	/	Pass

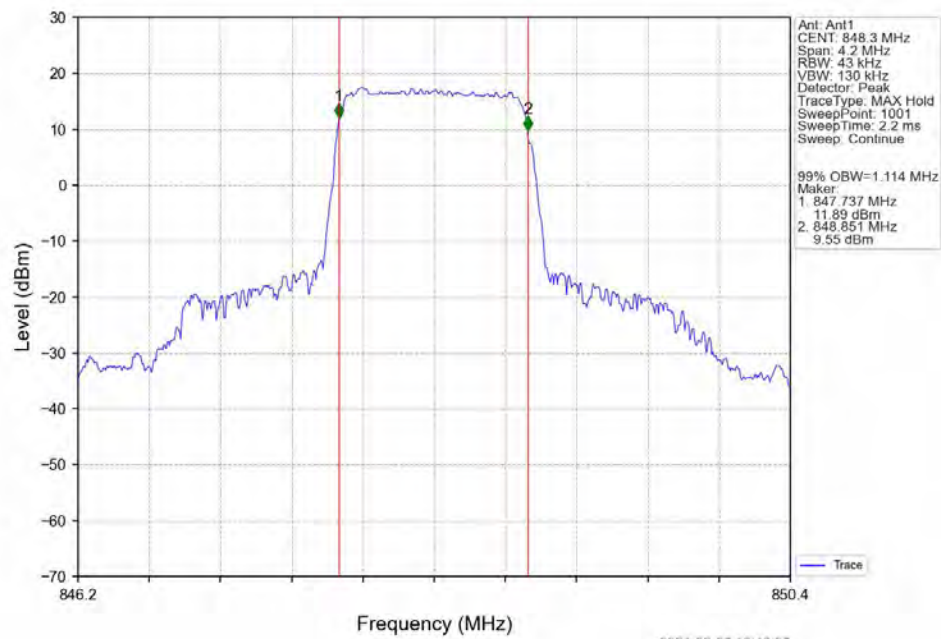
	16QAM	826.5	25	0	5.099	/	Pass
		836.5	25	0	5.083	/	Pass
		846.5	25	0	5.061	/	Pass
10	QPSK	829	50	0	10.026	/	Pass
		836.5	50	0	9.994	/	Pass
		844	50	0	10.020	/	Pass
	16QAM	829	50	0	10.089	/	Pass
		836.5	50	0	10.030	/	Pass
		844	50	0	10.014	/	Pass

4.2 Test Graph

4.2.1 Band5_OBW

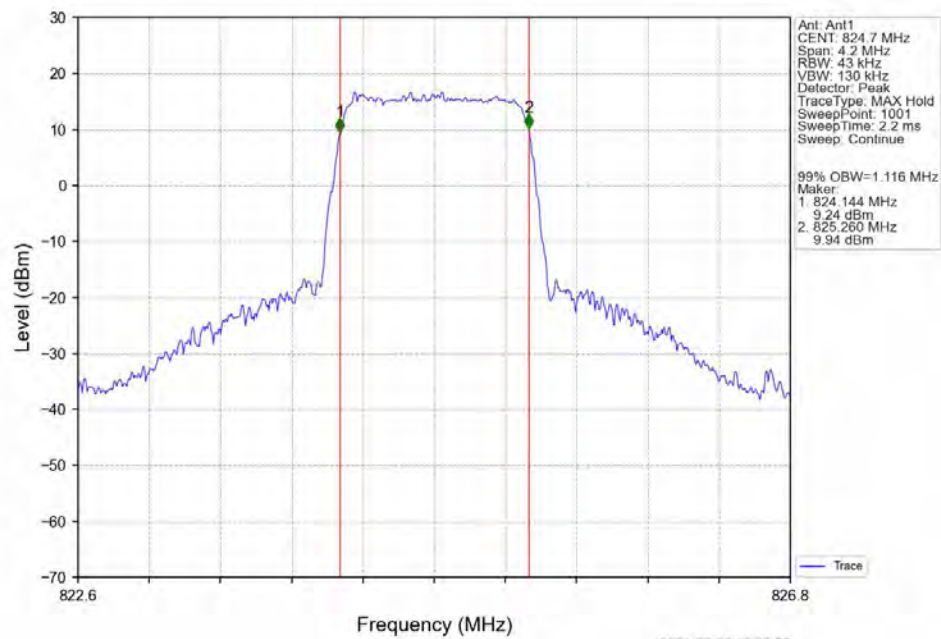


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



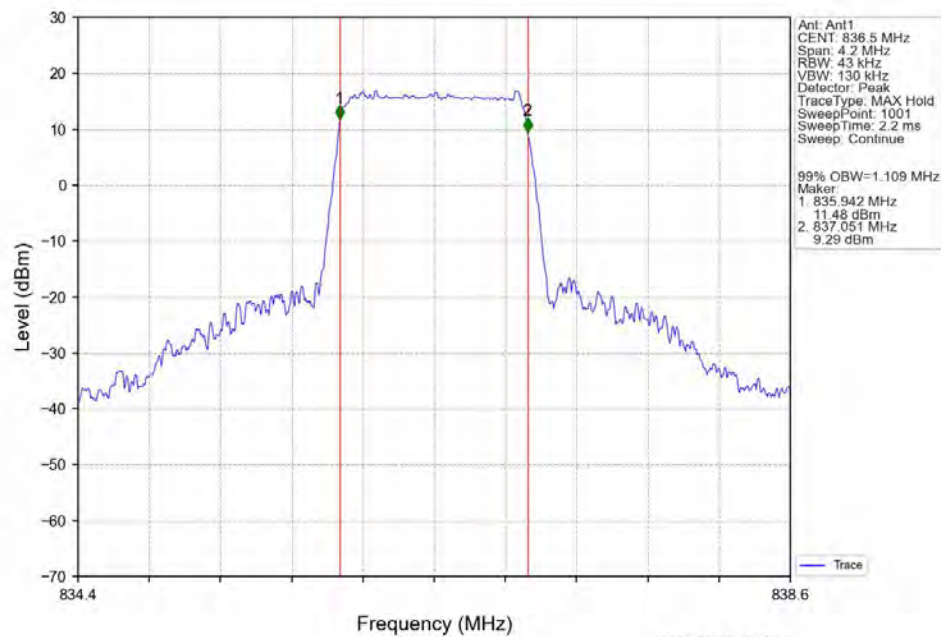
2024-08-07 10:40:27

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



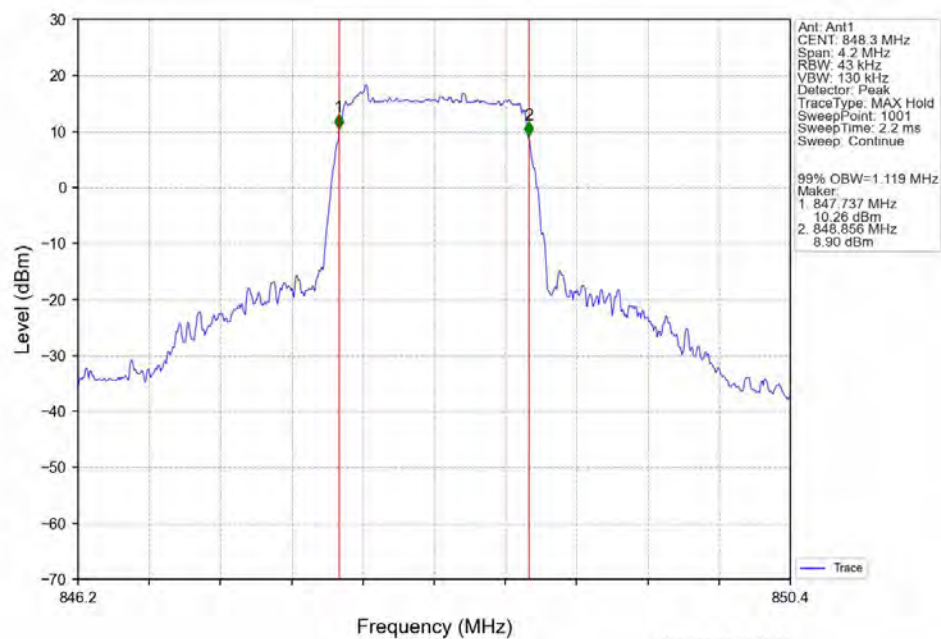
2024-08-07 10:39:55

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



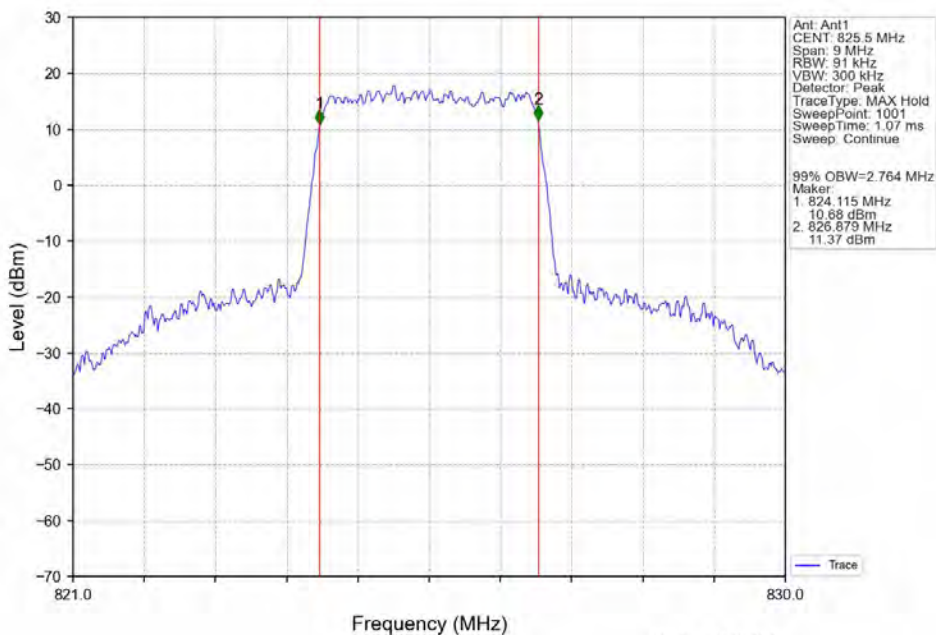
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



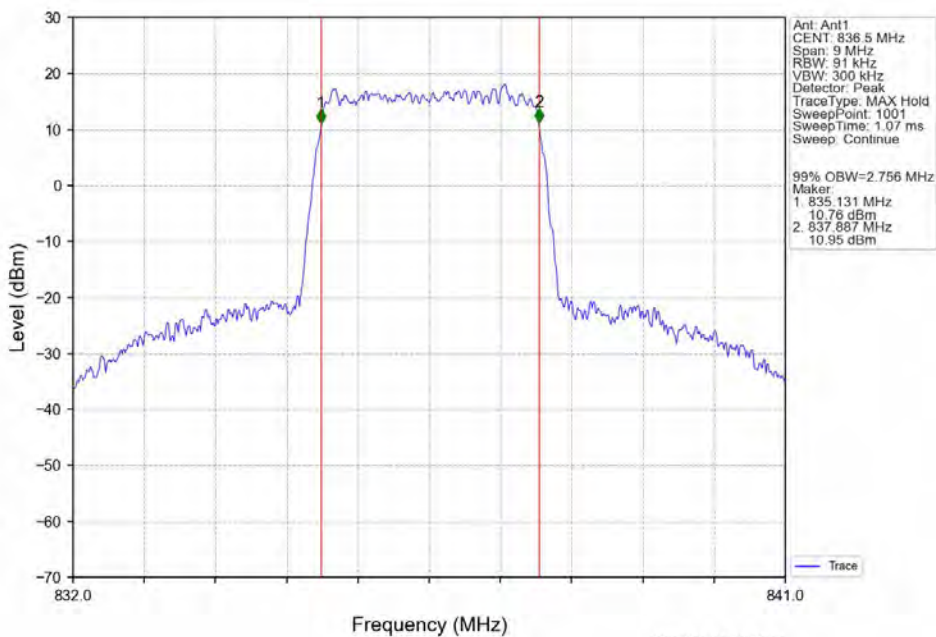
2024-08-07 10:40:36

Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



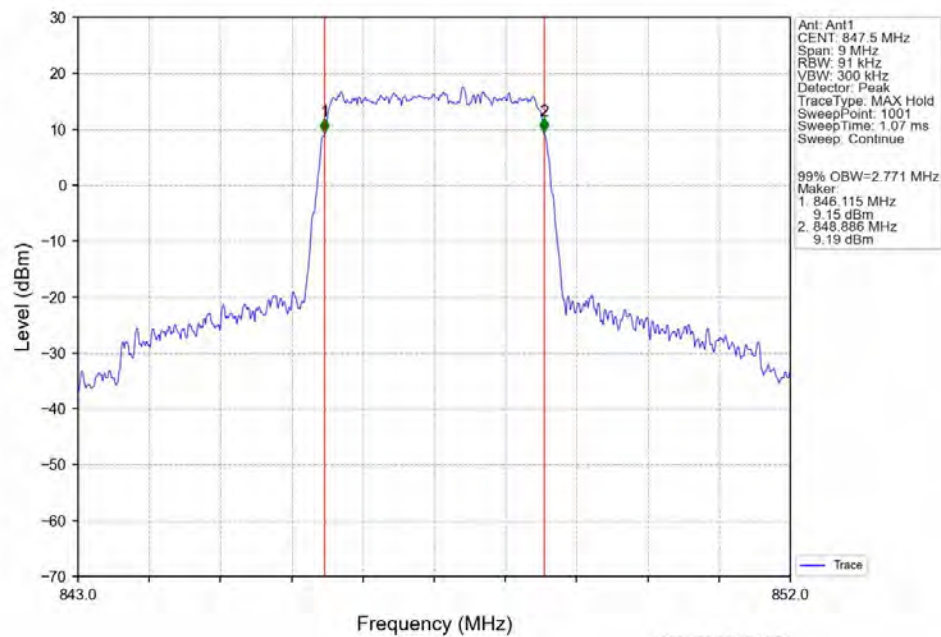
2024-08-07 10:41:13

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

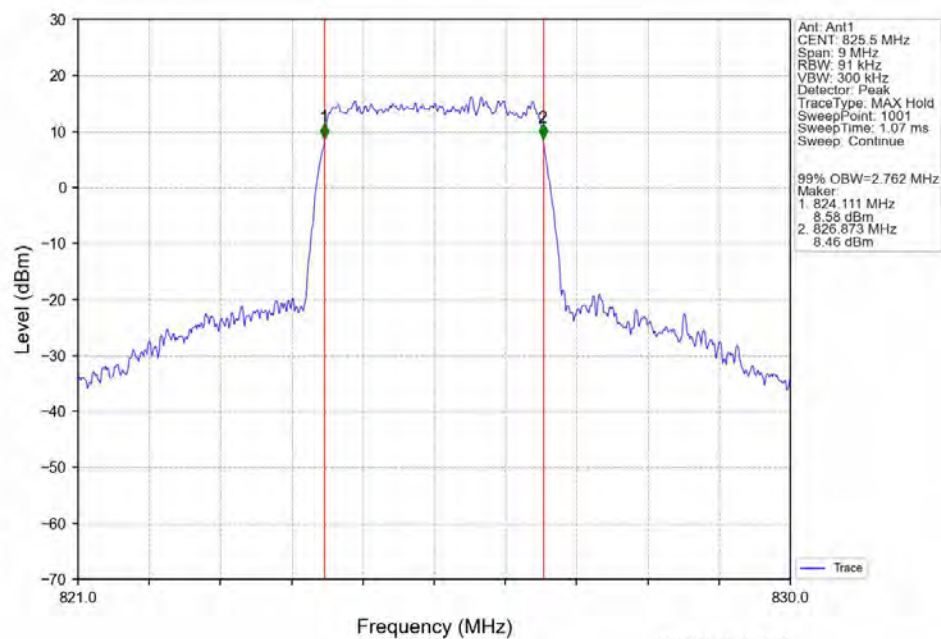


2024-08-07 10:41:33

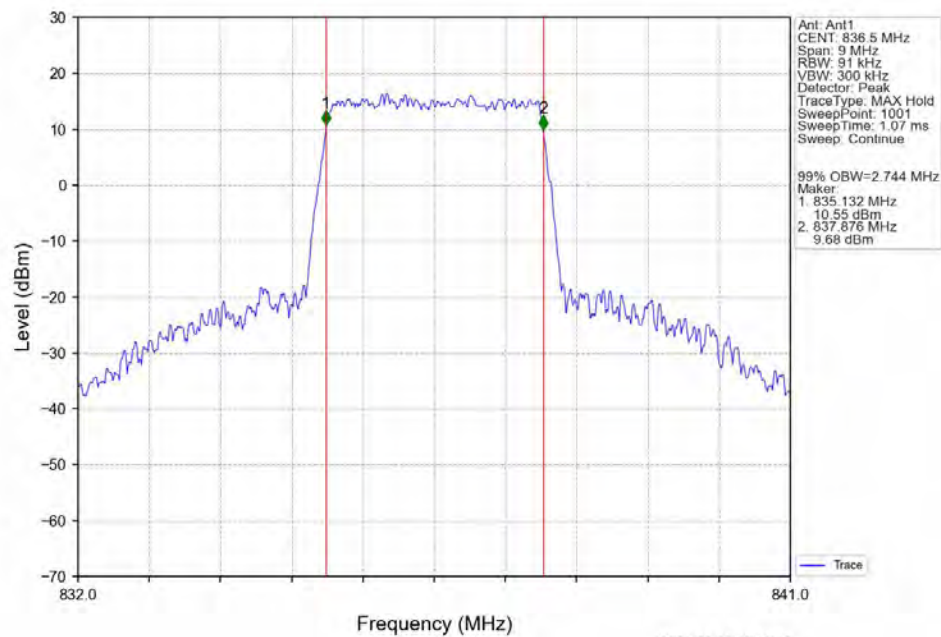
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

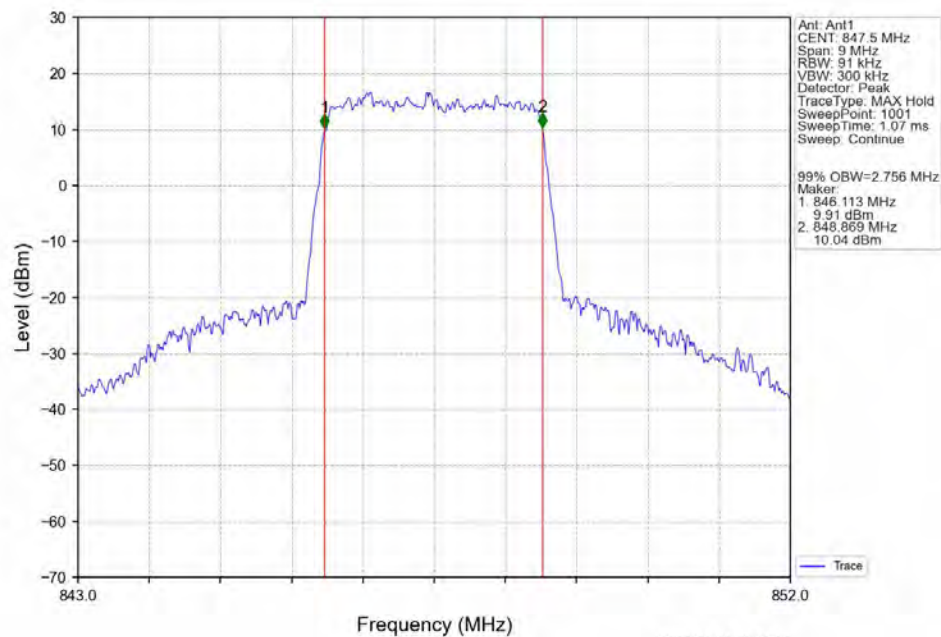


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



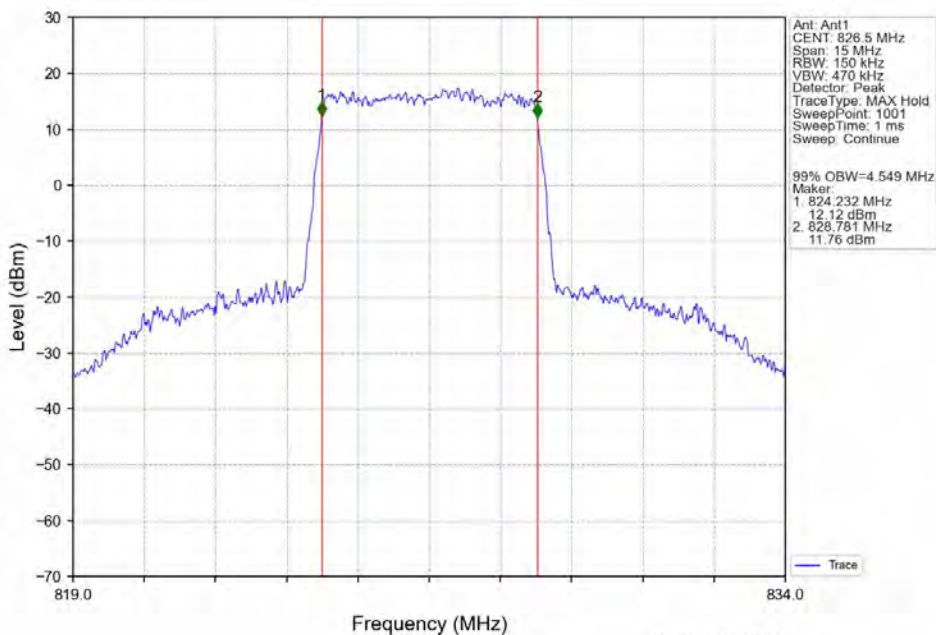
2024-08-07 10:41:42

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



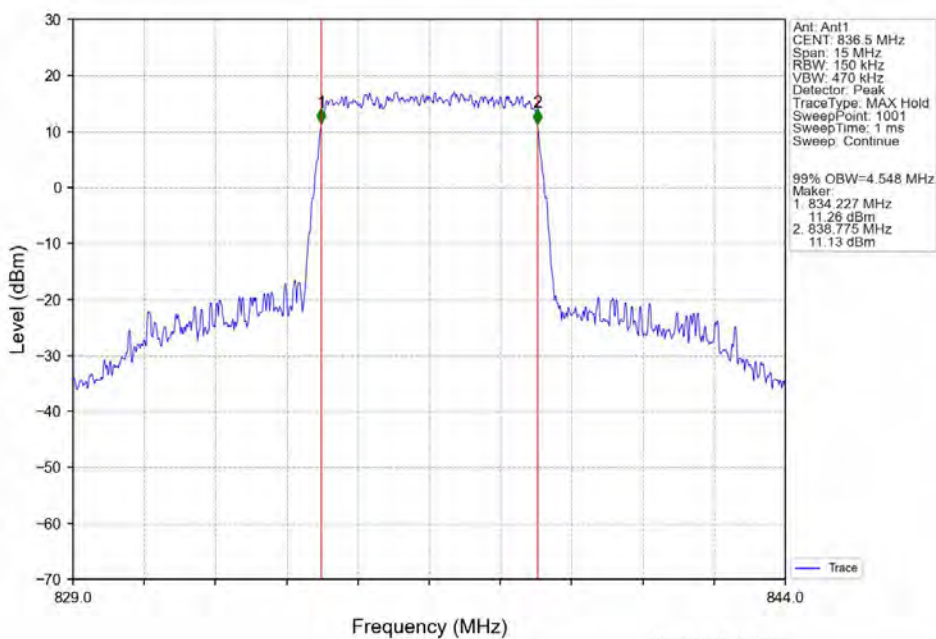
2024-08-07 10:42:03

Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



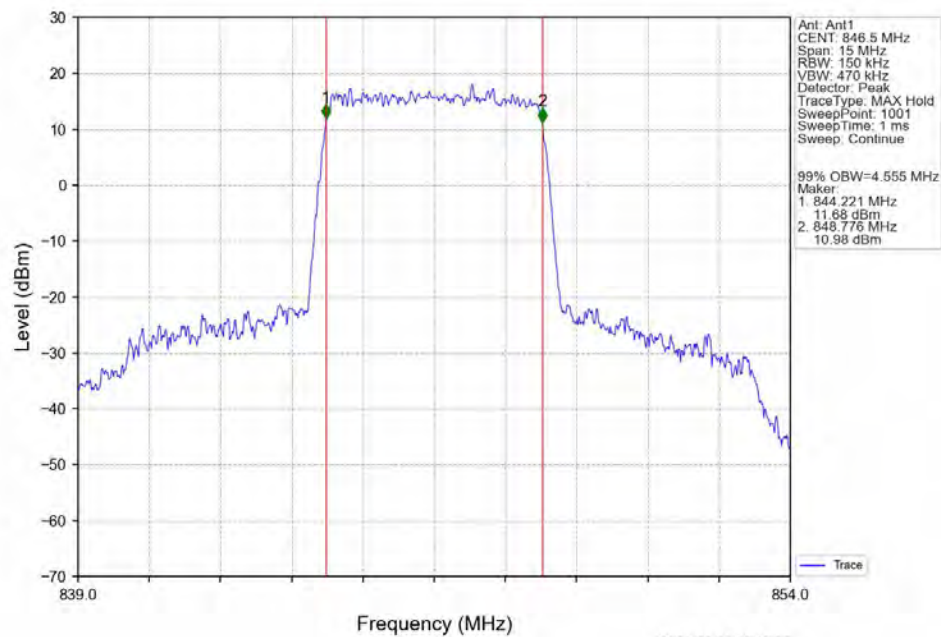
2024-08-07 10:42:39

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



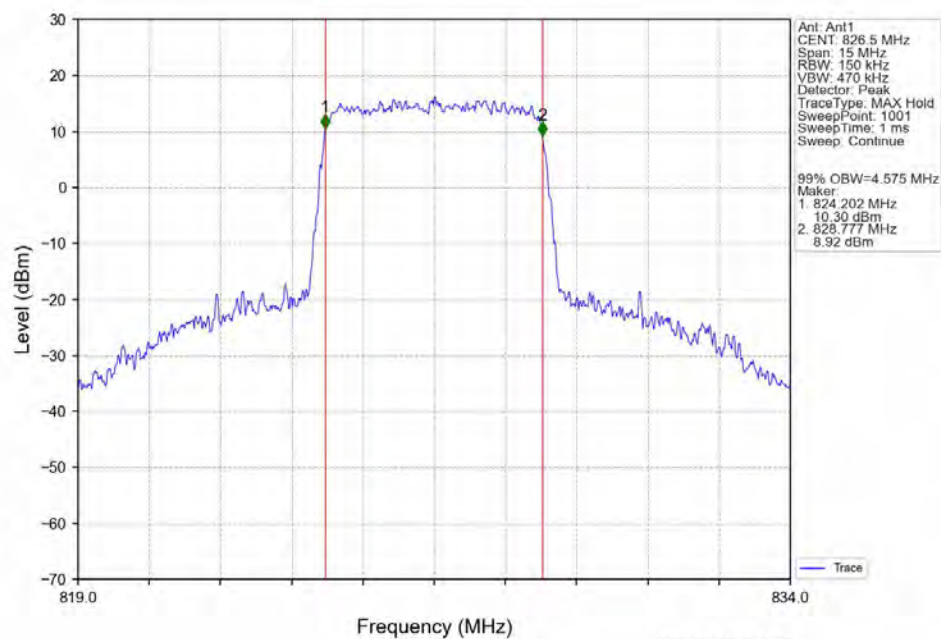
2024-08-07 10:43:00

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



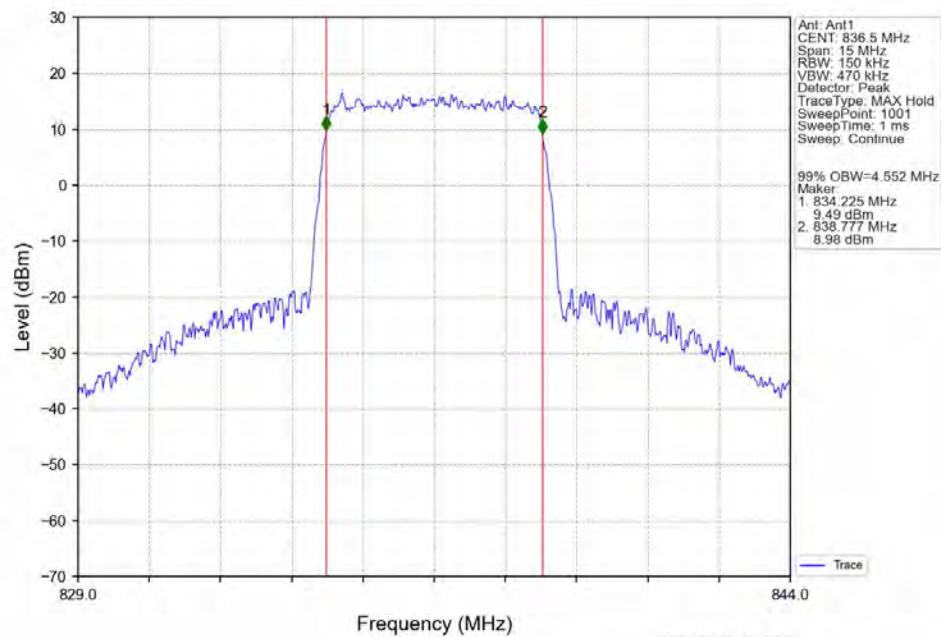
2024-08-07 10:43:20

Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



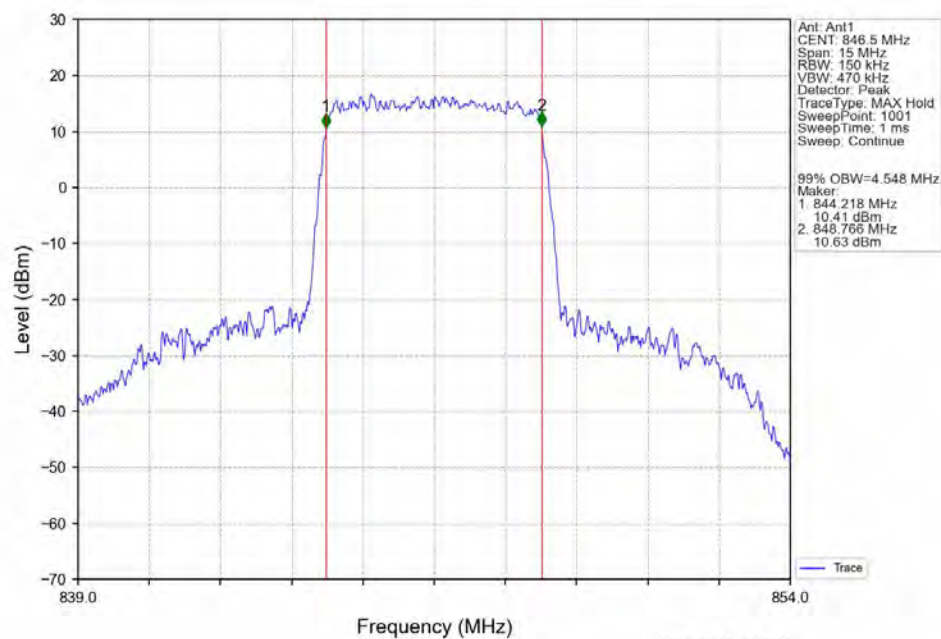
2024-08-07 10:42:48

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



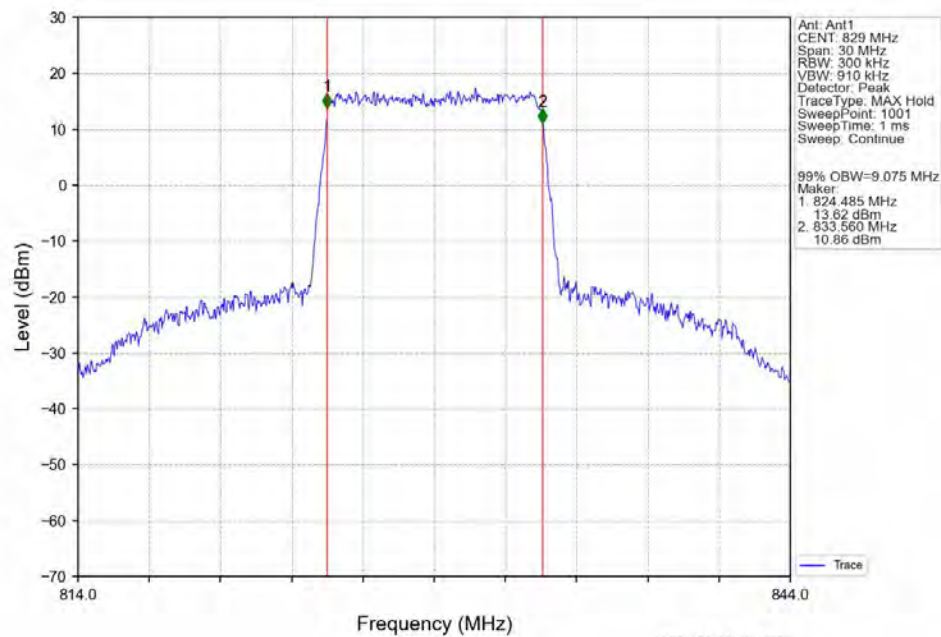
2024-08-07 10:43:09

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



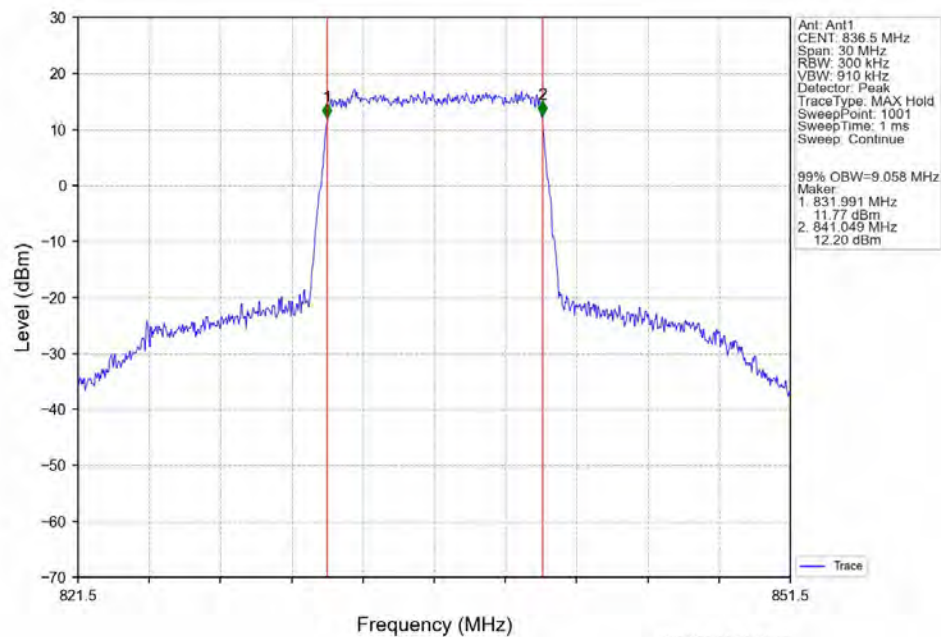
2024-08-07 10:43:29

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



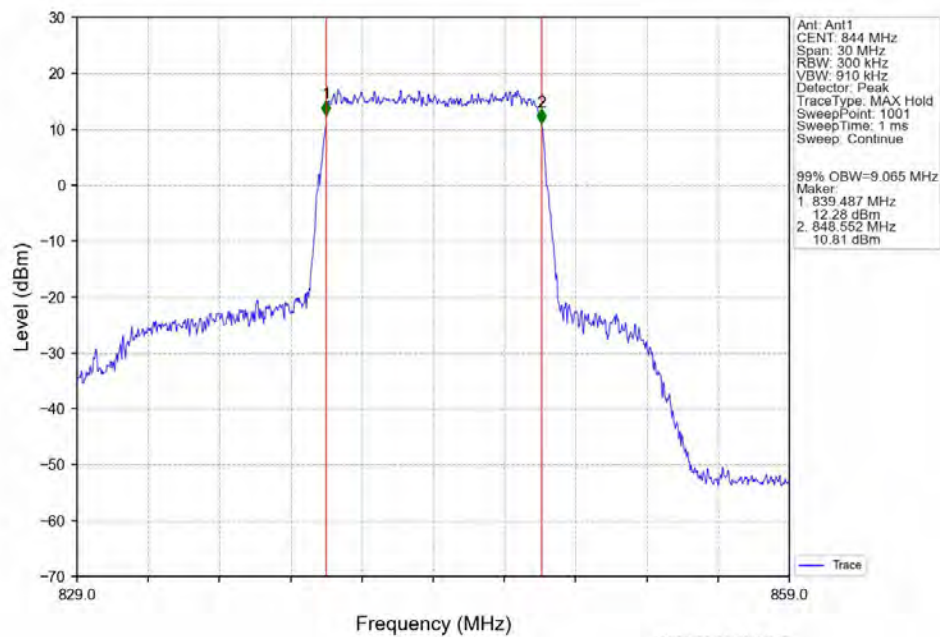
2024-08-07 10:44:06

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

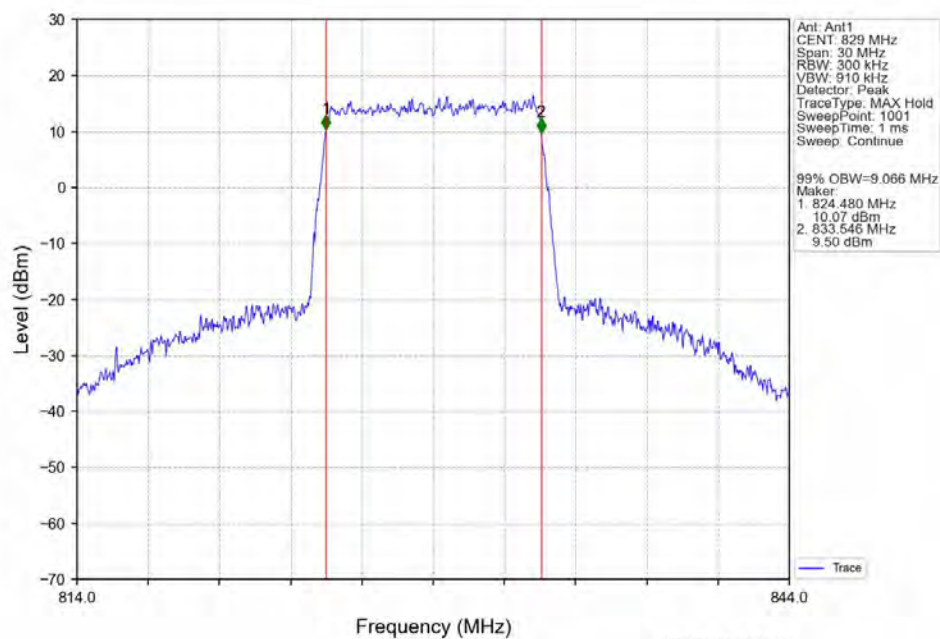


2024-08-07 10:44:27

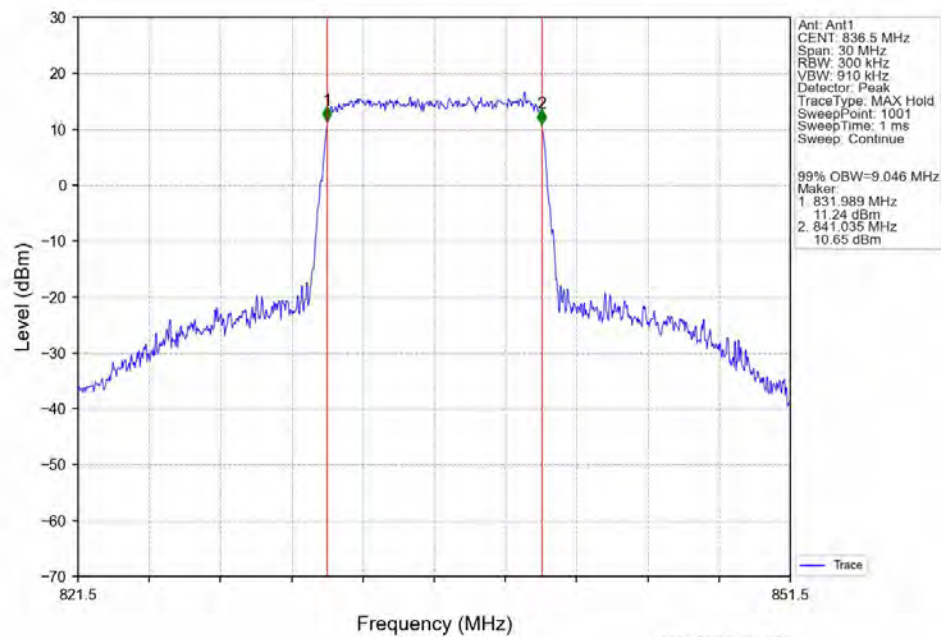
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

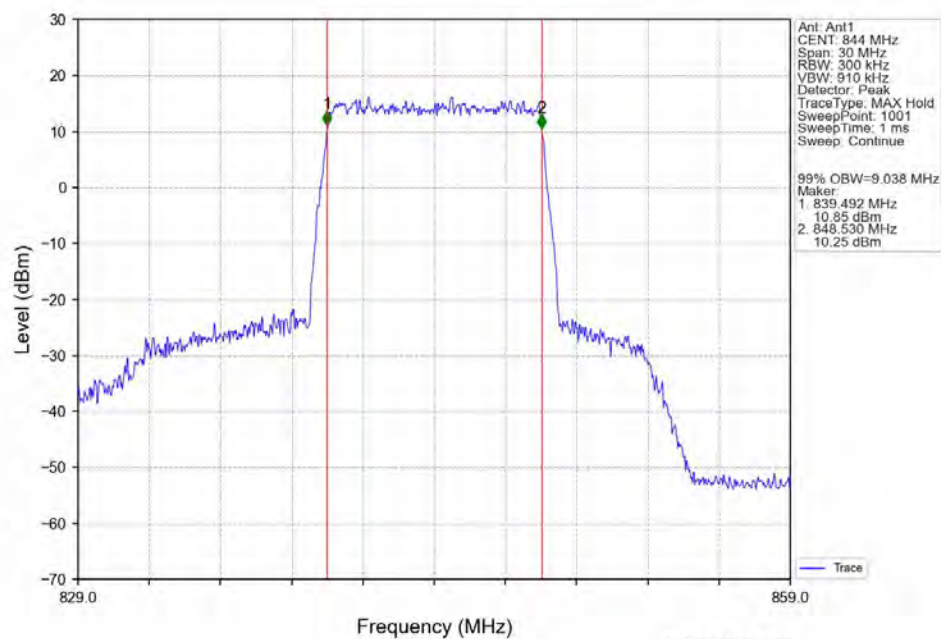


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



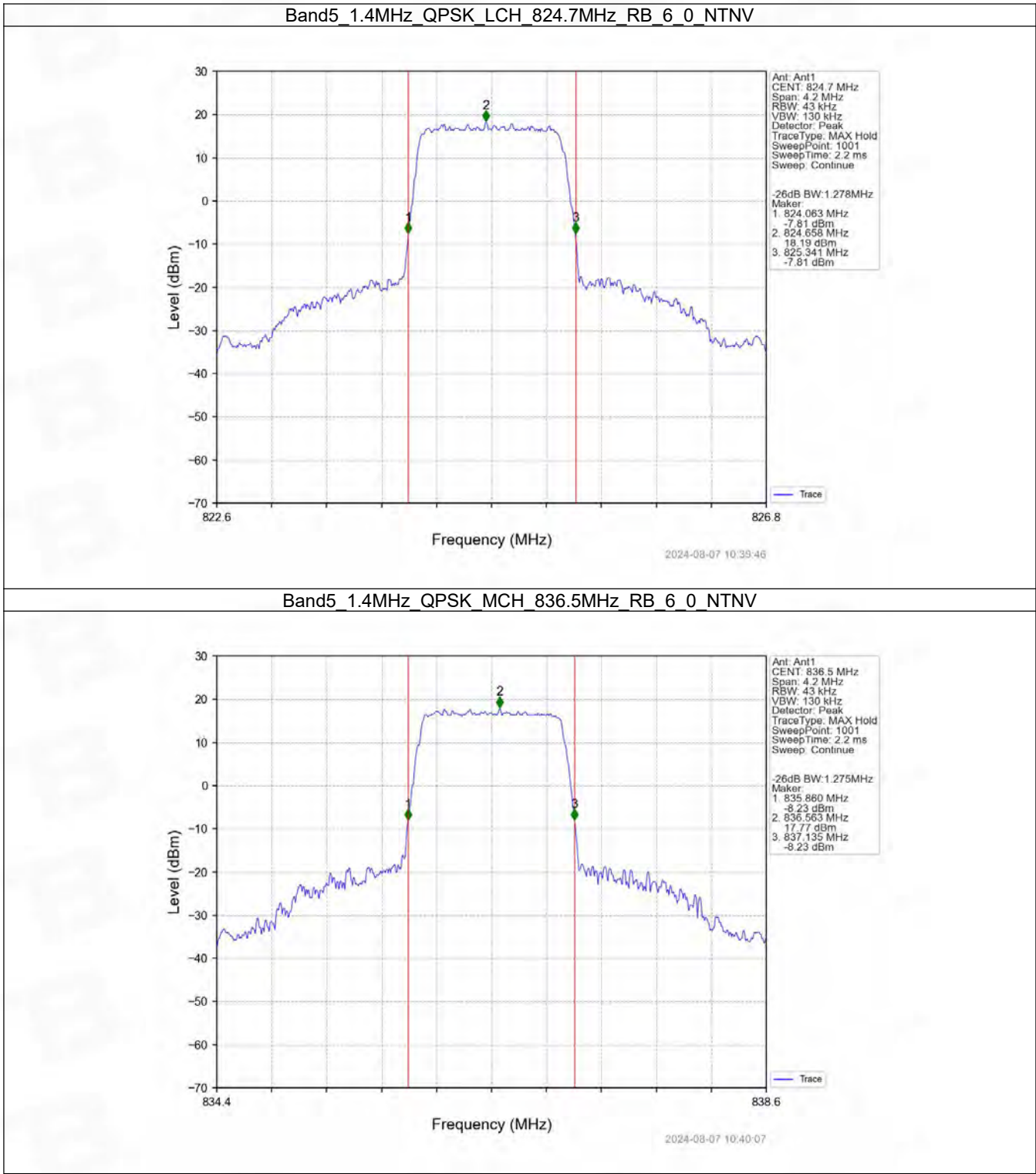
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

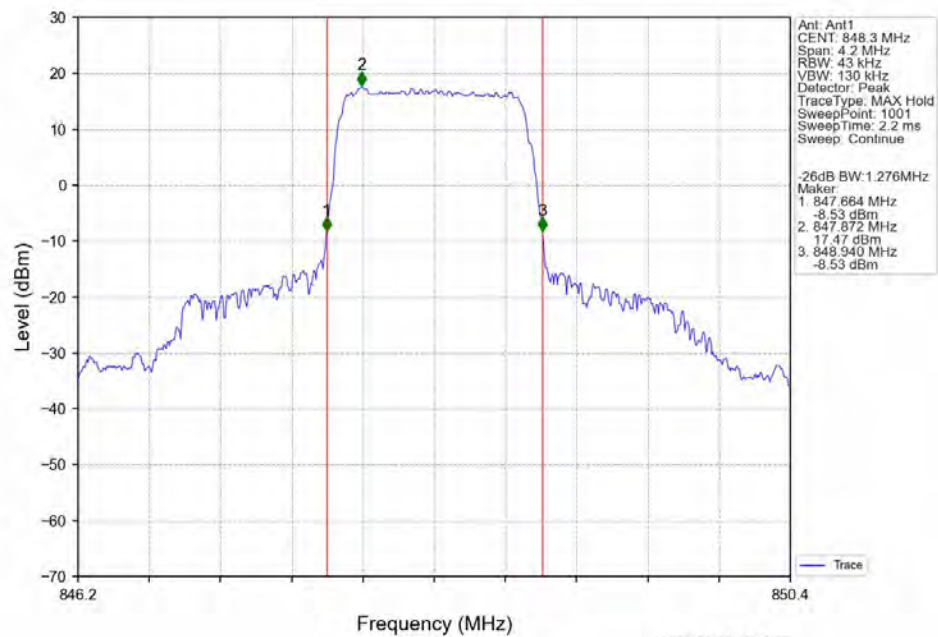


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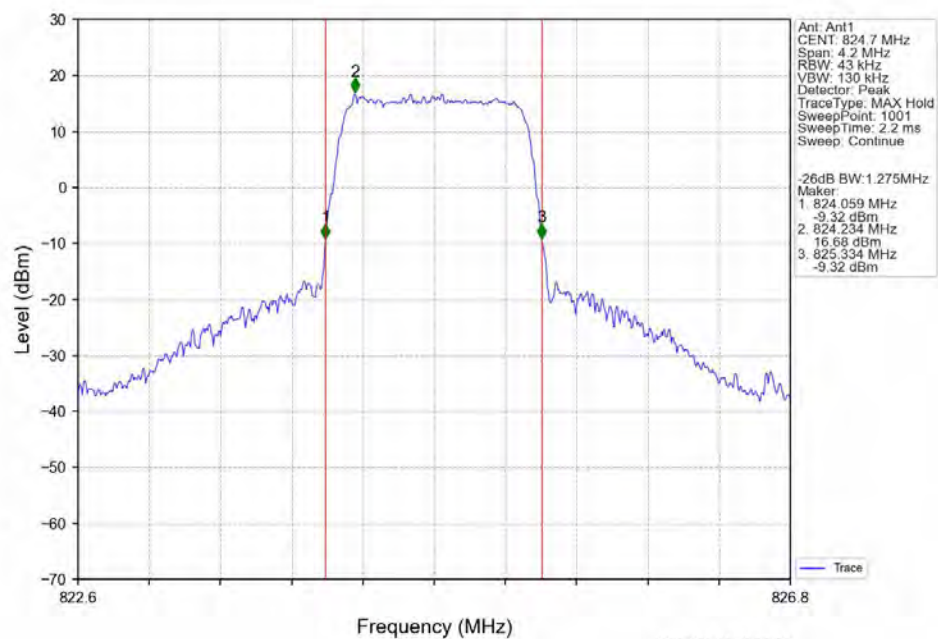
4.2.2 Band5_XDB



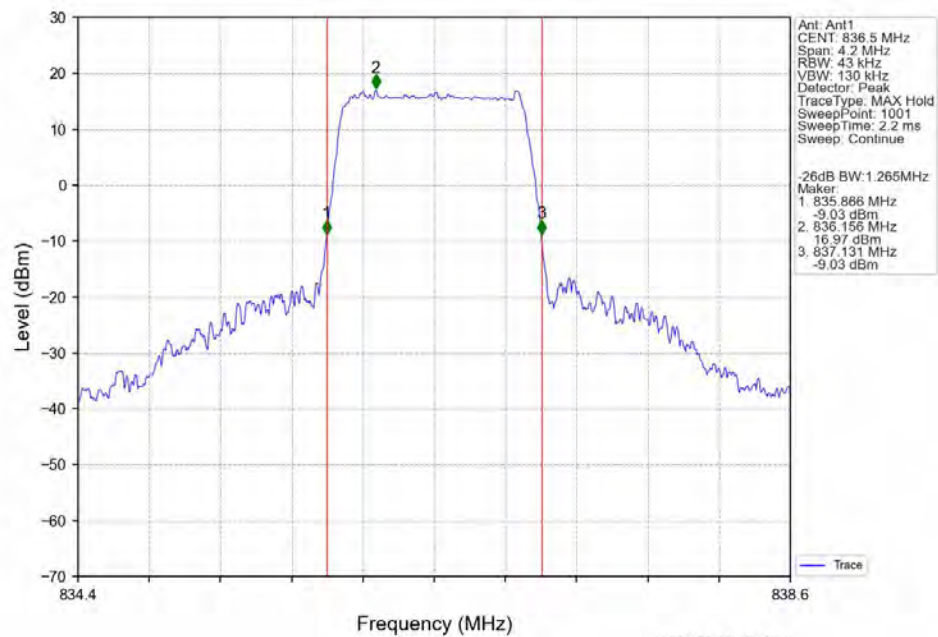
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



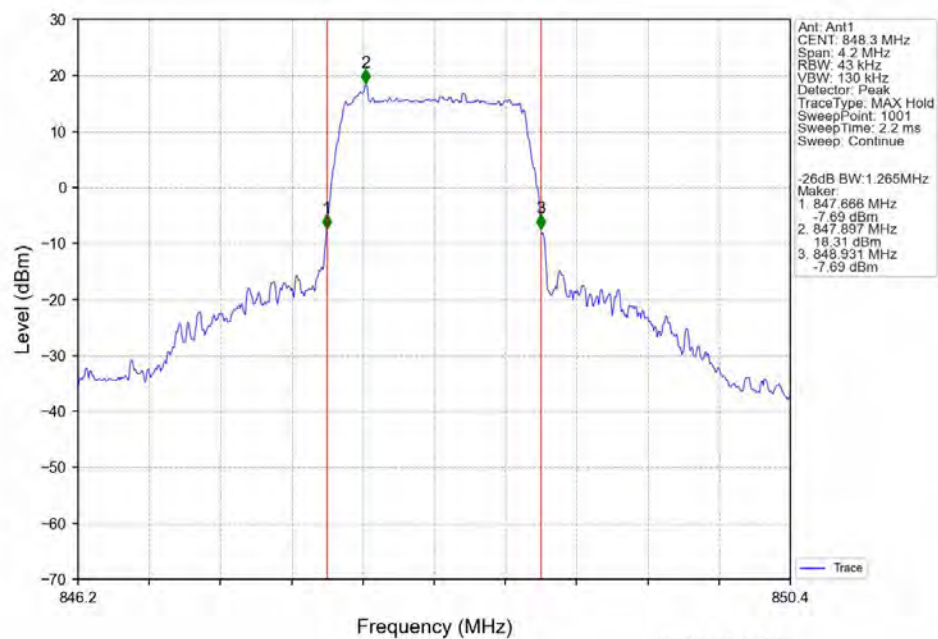
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



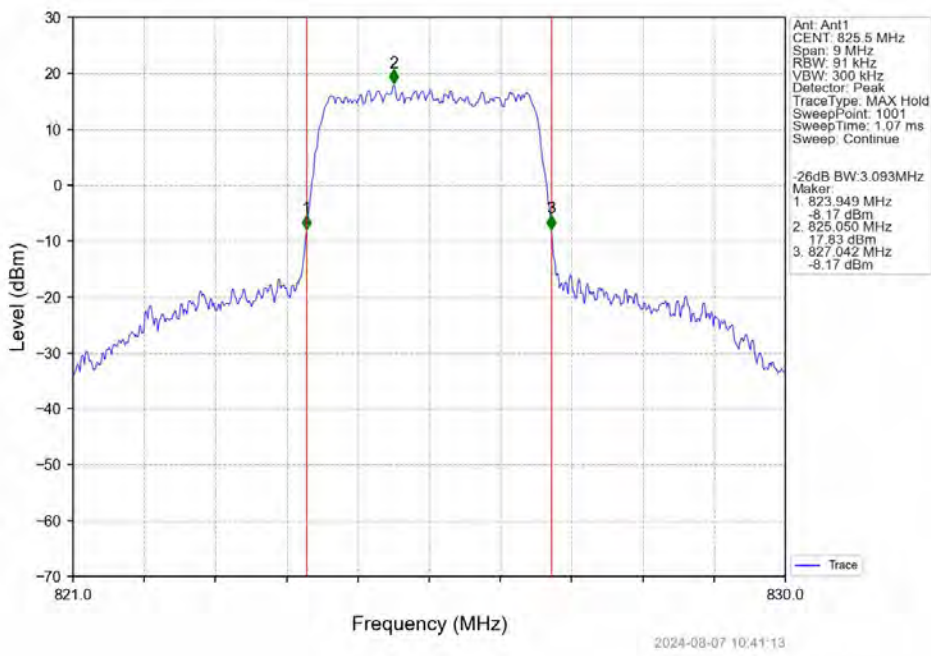
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



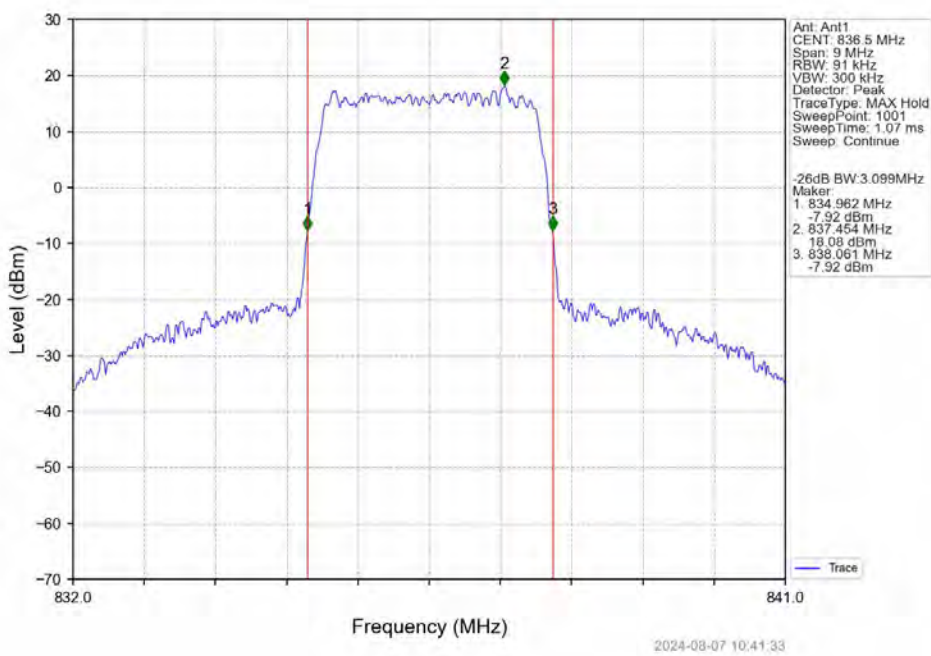
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



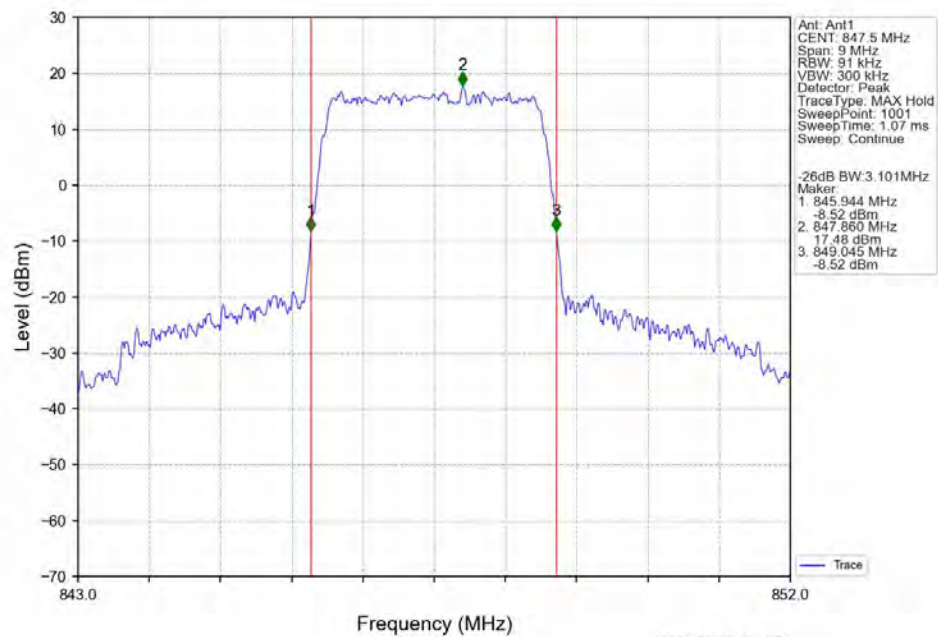
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



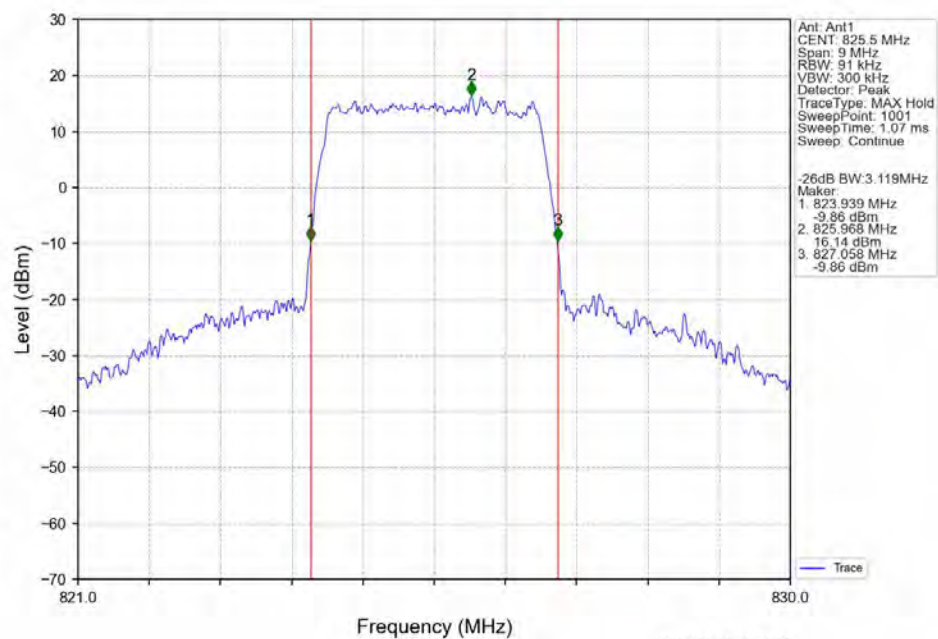
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



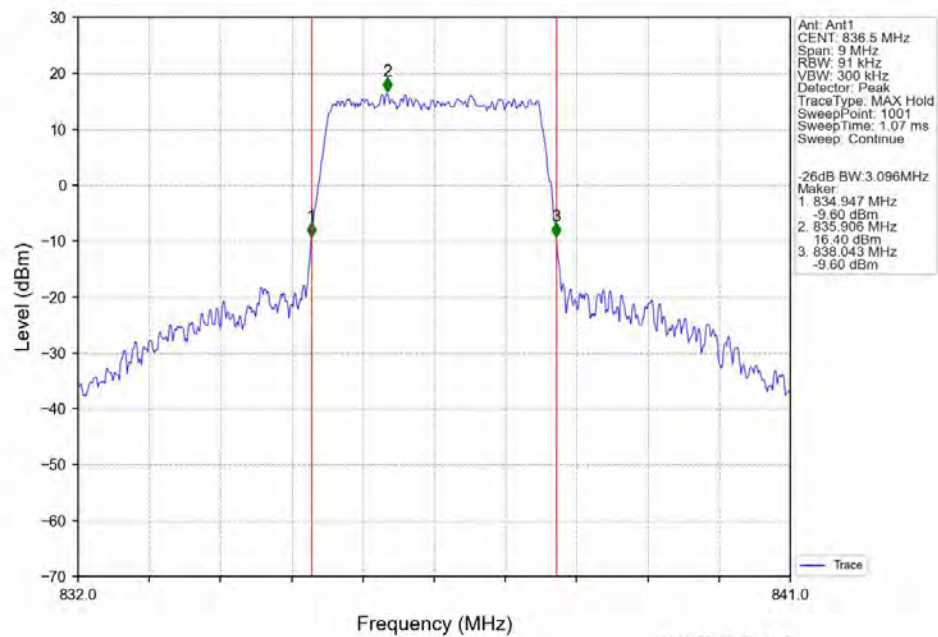
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



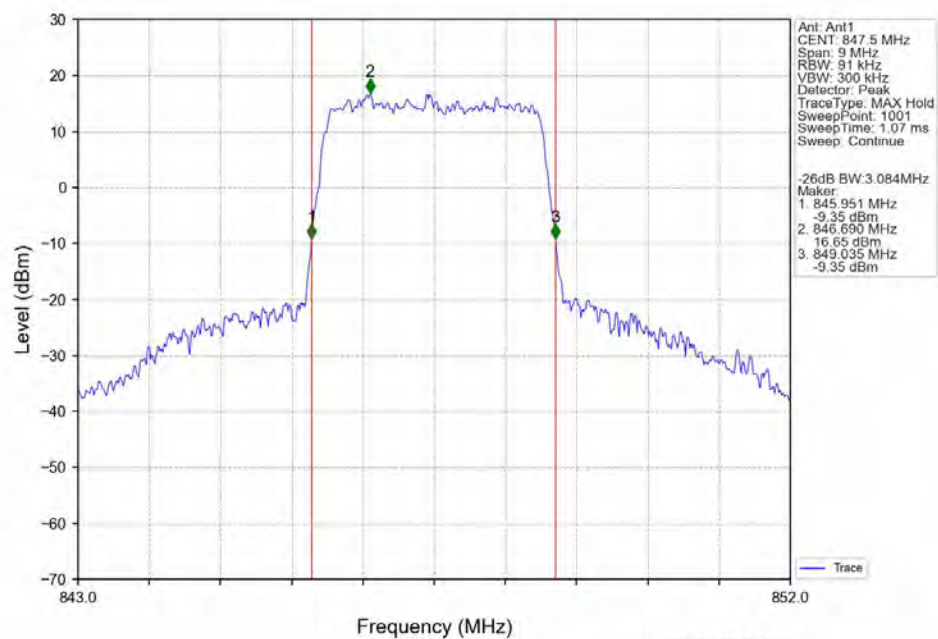
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



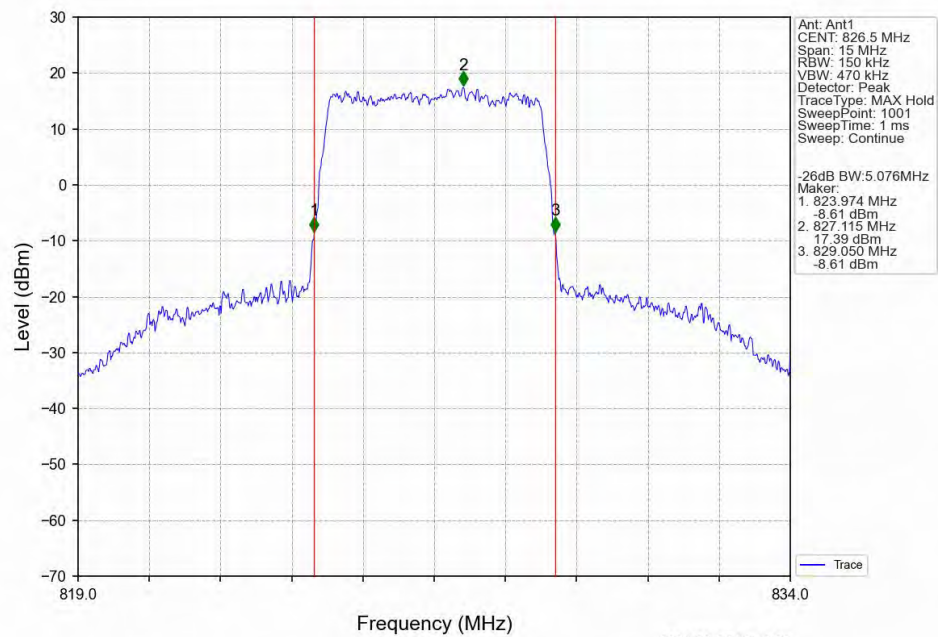
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



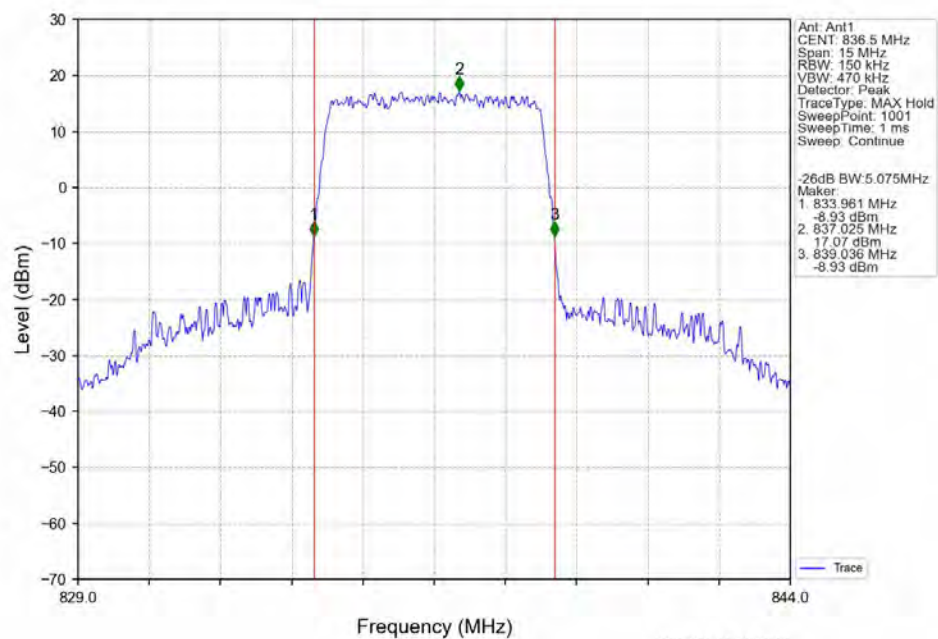
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



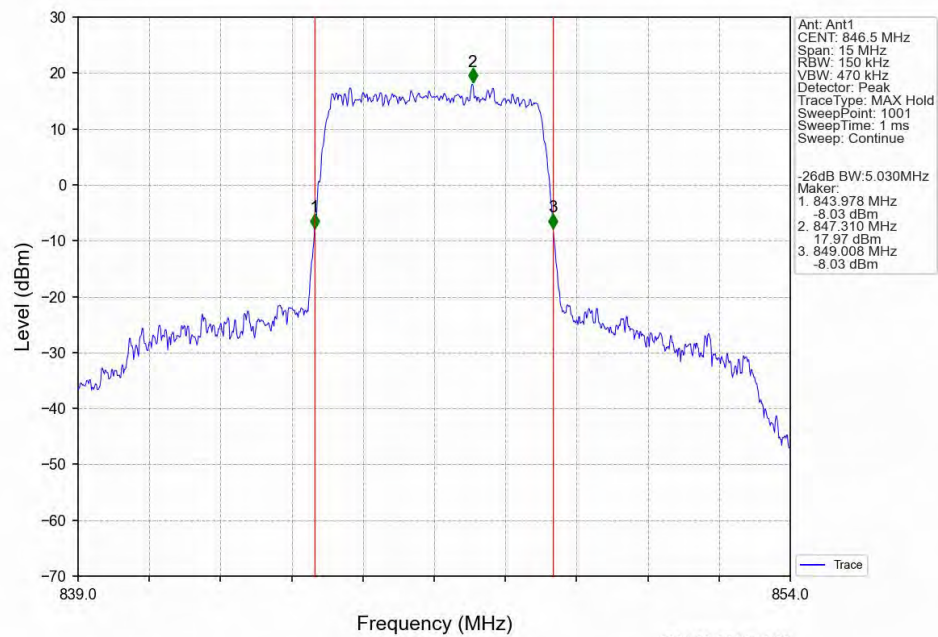
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



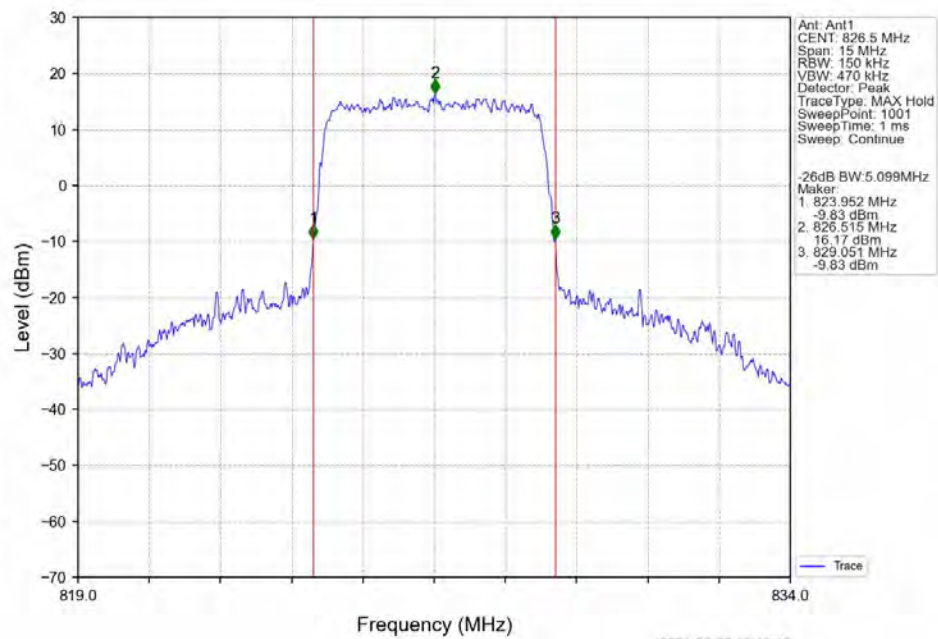
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



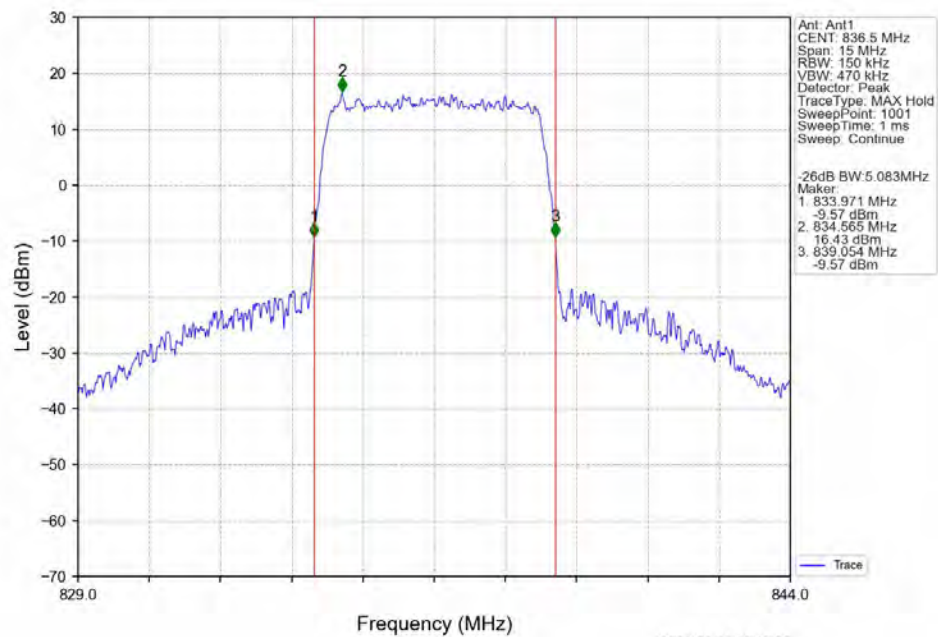
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

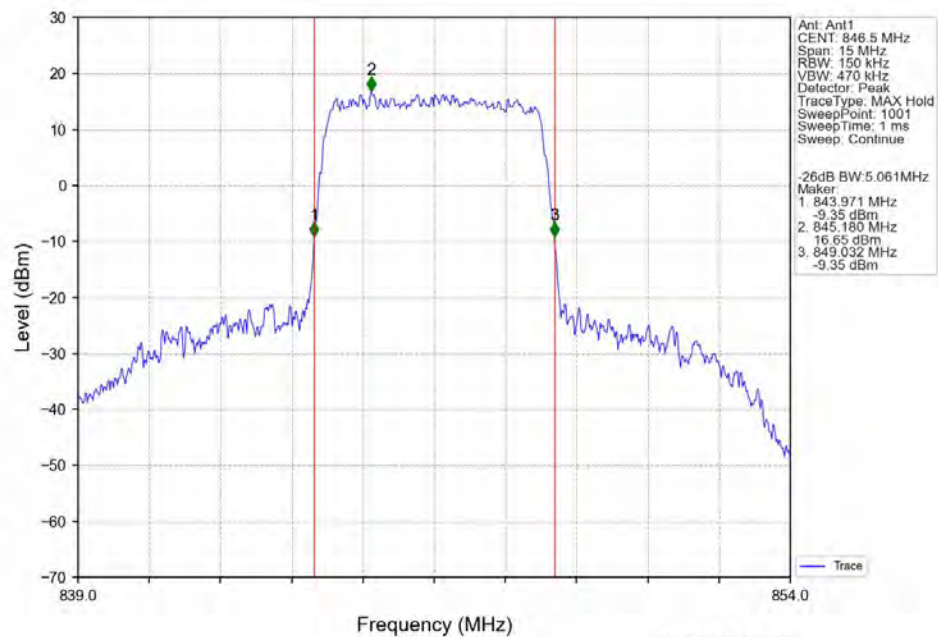


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



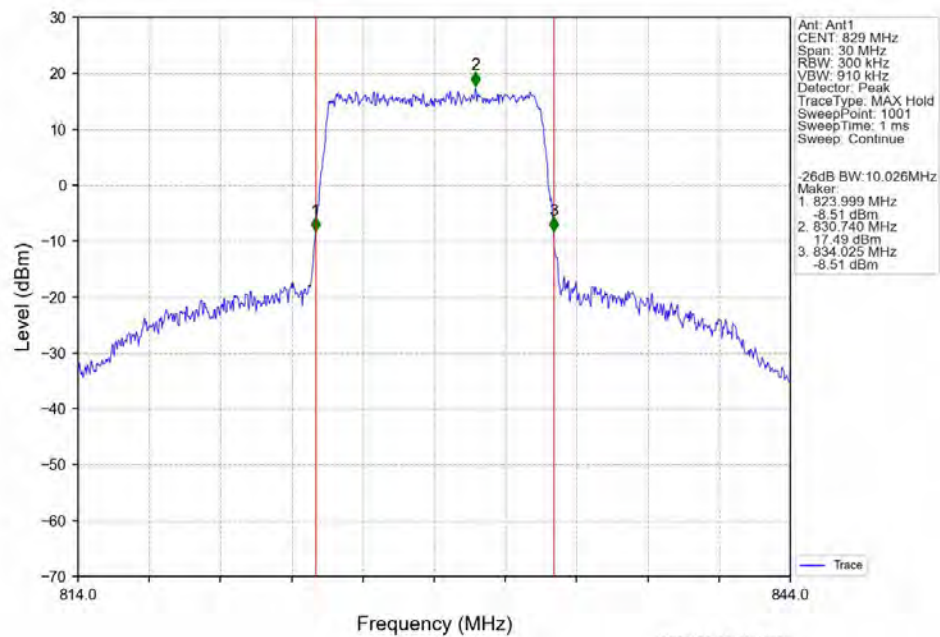
2024-08-07 10:43:09

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

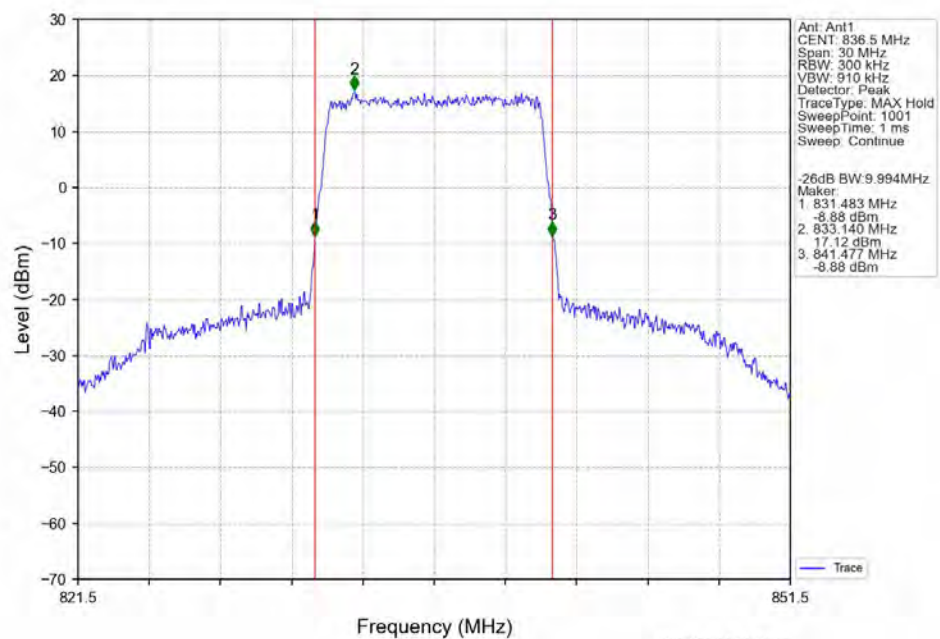


2024-08-07 10:43:29

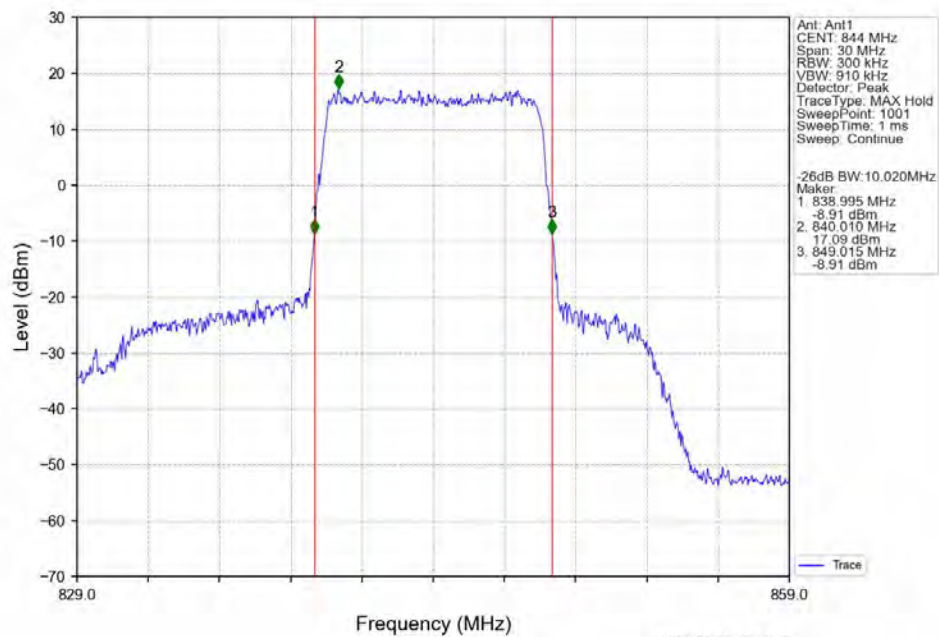
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



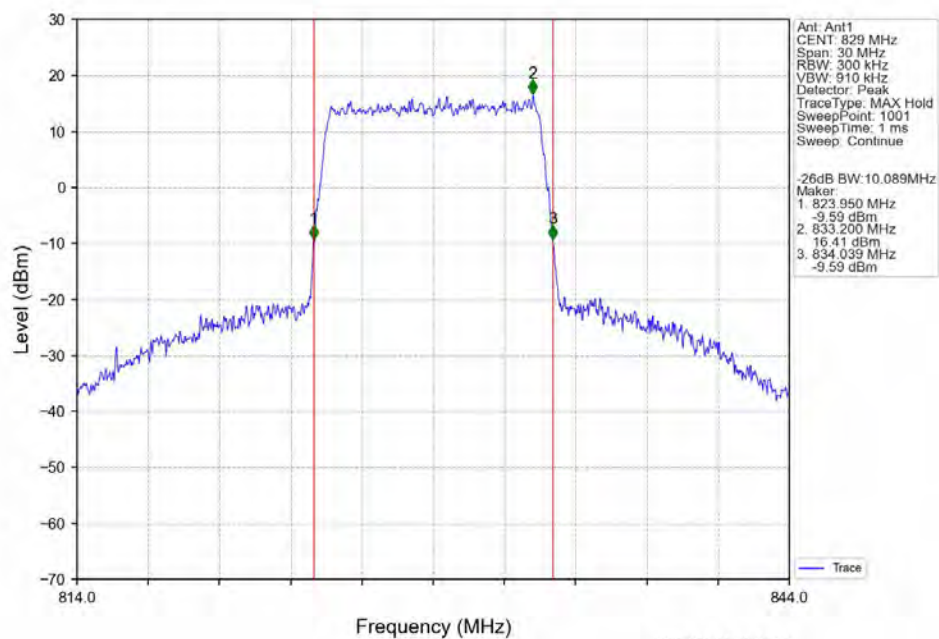
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



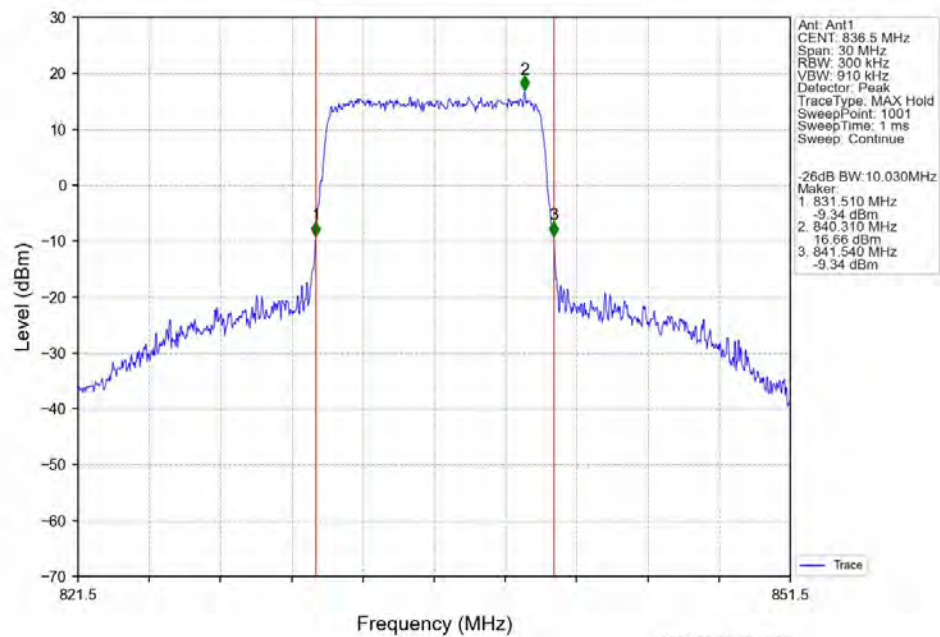
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



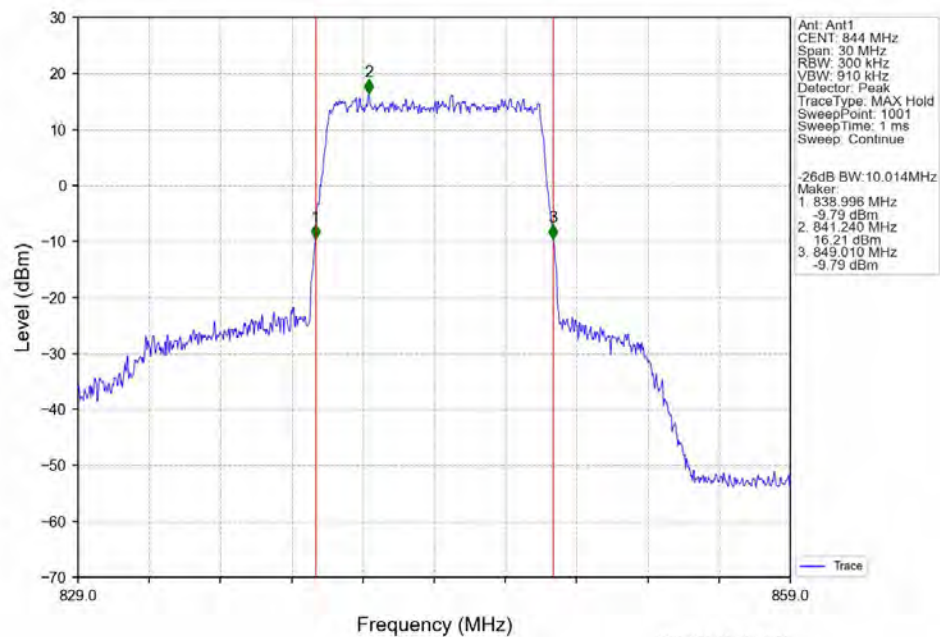
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	4.72	<=13	Pass
	836.5	6	0	4.96	<=13	Pass
	848.3	6	0	4.61	<=13	Pass
16QAM	824.7	6	0	5.59	<=13	Pass
	836.5	6	0	5.78	<=13	Pass
	848.3	6	0	5.46	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.75	<=13	Pass
	836.5	15	0	5.01	<=13	Pass
	847.5	15	0	5.06	<=13	Pass
16QAM	825.5	15	0	5.73	<=13	Pass
	836.5	15	0	5.84	<=13	Pass
	847.5	15	0	5.88	<=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	4.97	<=13	Pass
	836.5	25	0	5.23	<=13	Pass
	846.5	25	0	5.31	<=13	Pass
16QAM	826.5	25	0	5.88	<=13	Pass
	836.5	25	0	5.96	<=13	Pass
	846.5	25	0	6.00	<=13	Pass

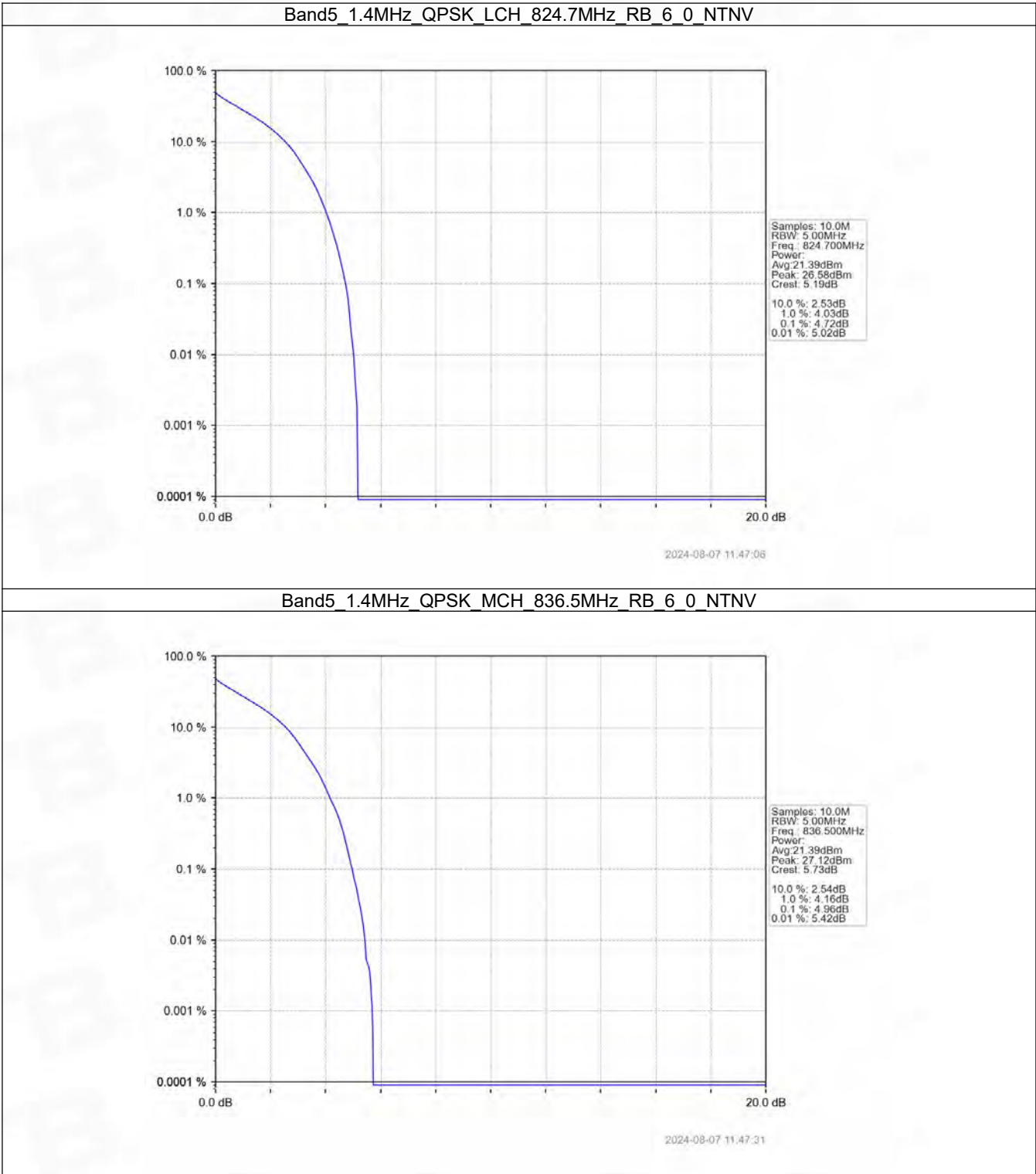
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.12	<=13	Pass
	836.5	50	0	5.24	<=13	Pass
	844	50	0	5.40	<=13	Pass
16QAM	829	50	0	6.01	<=13	Pass
	836.5	50	0	6.01	<=13	Pass

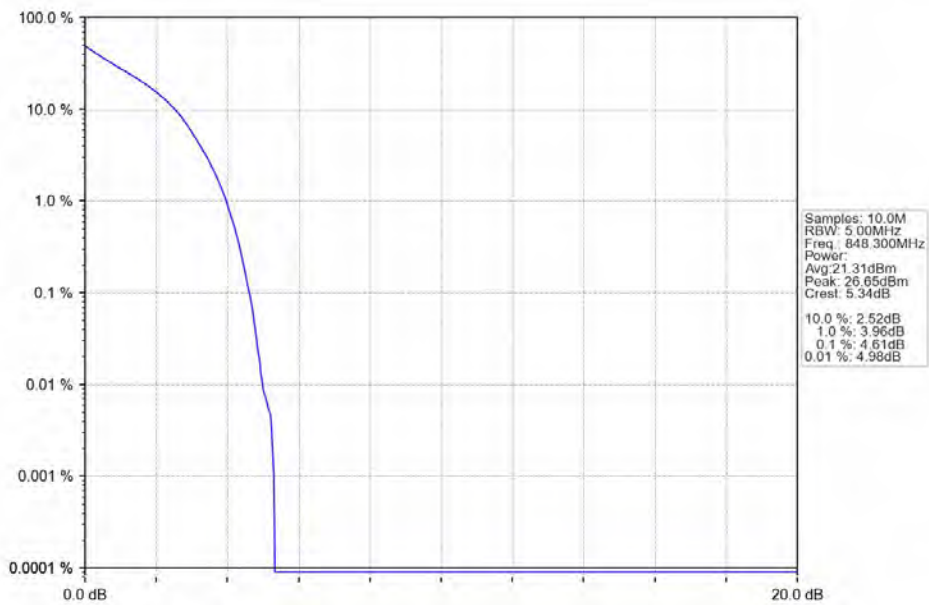
	844	50	0	6.14	<=13	Pass
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5.2 Test Graph

5.2.1 B5_1.4MHz

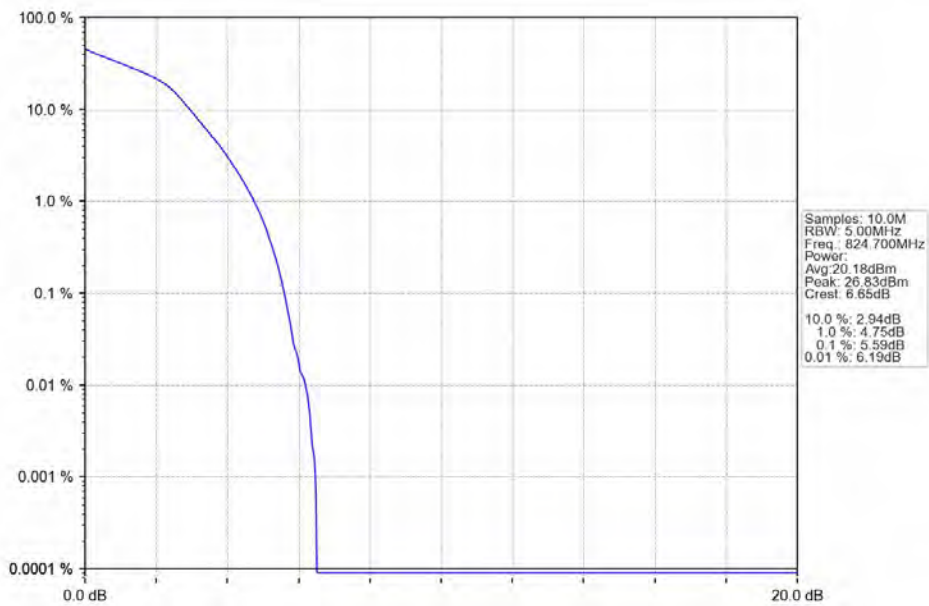


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



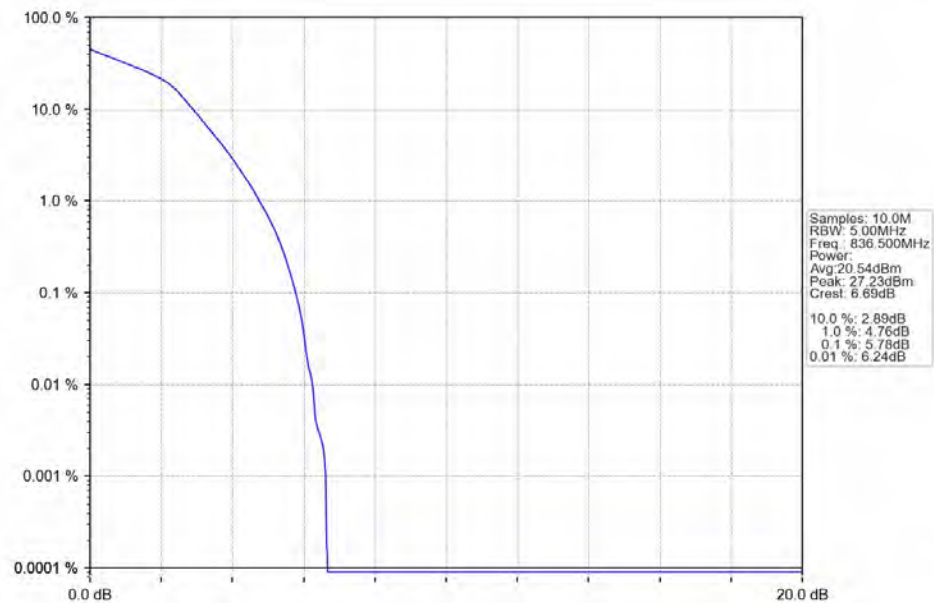
2024-08-07 11:47:58

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



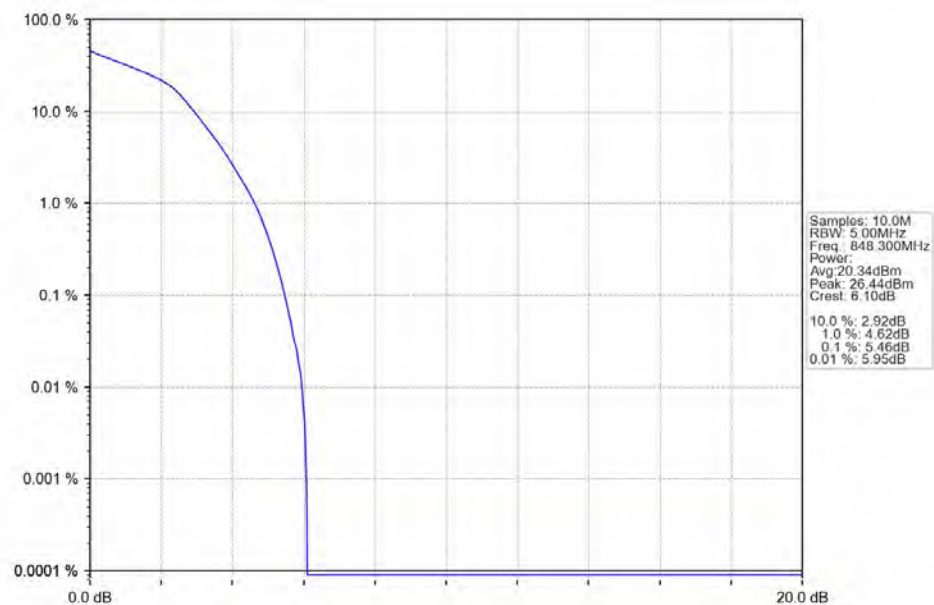
2024-08-07 11:47:18

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



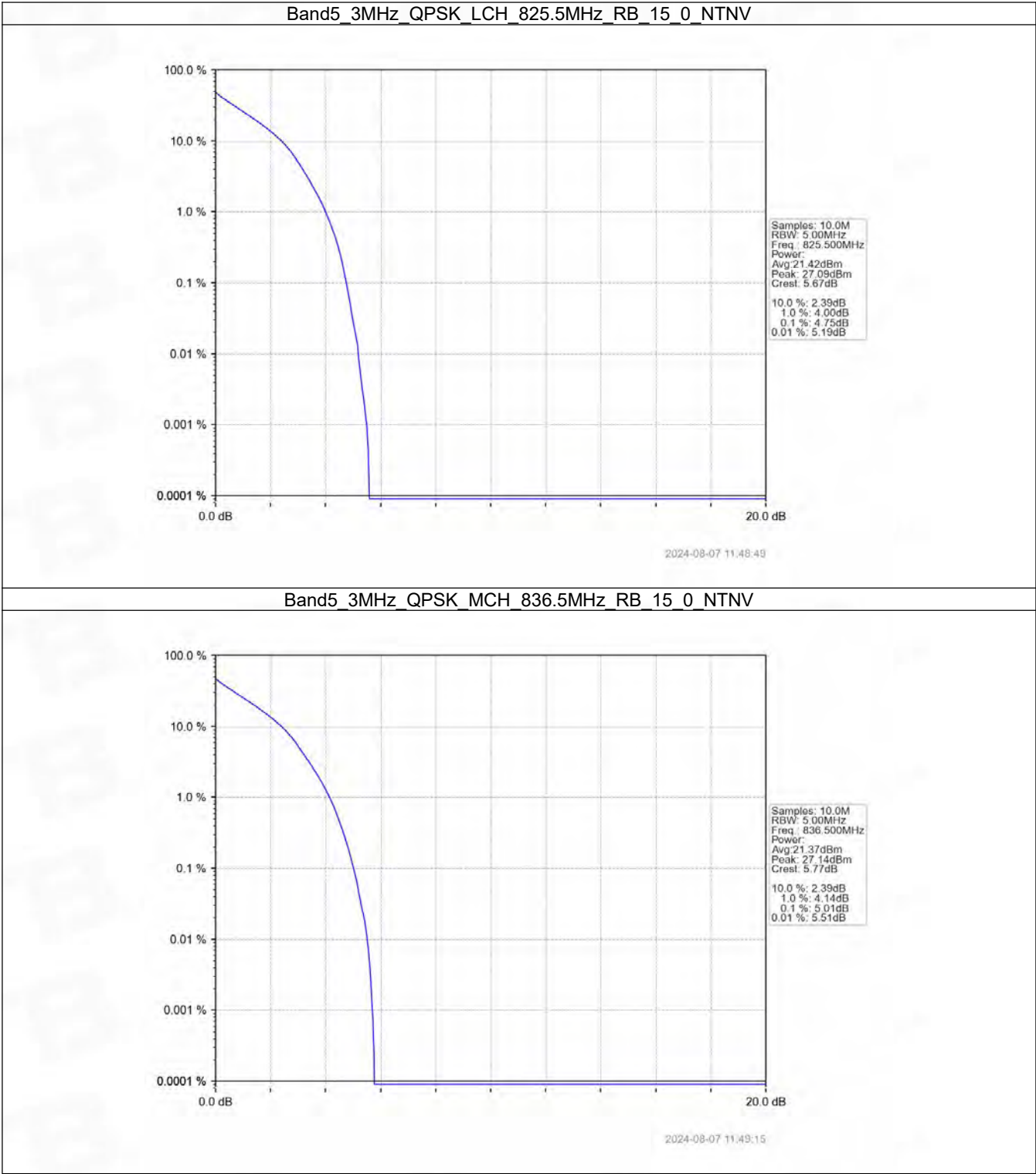
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

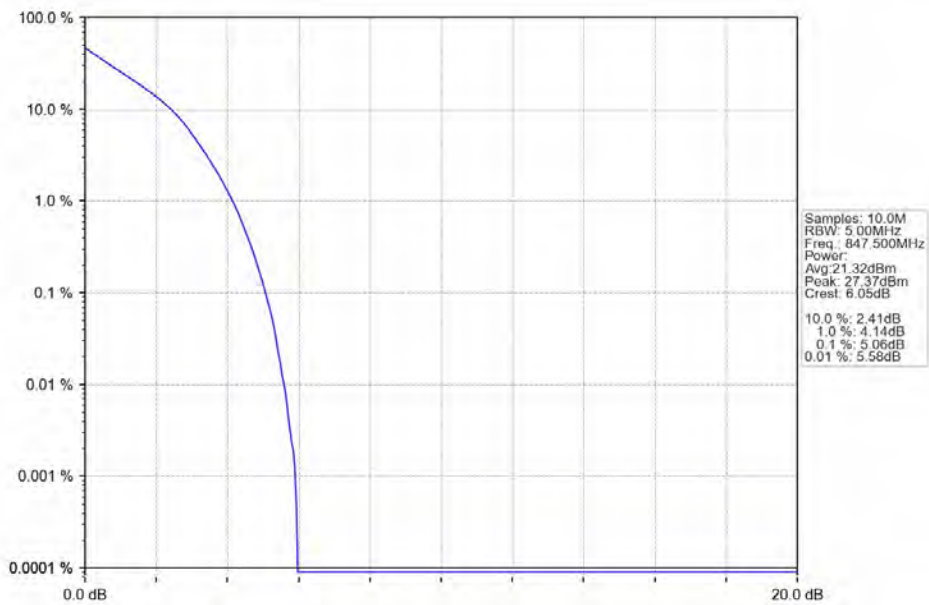


2024-08-07 11:48:09

5.2.2 B5_3MHz

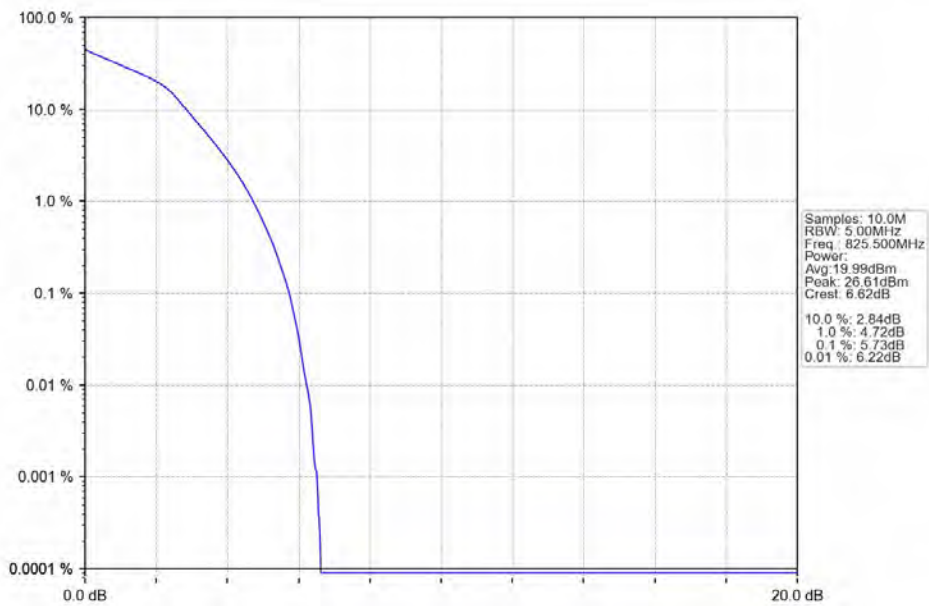


Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



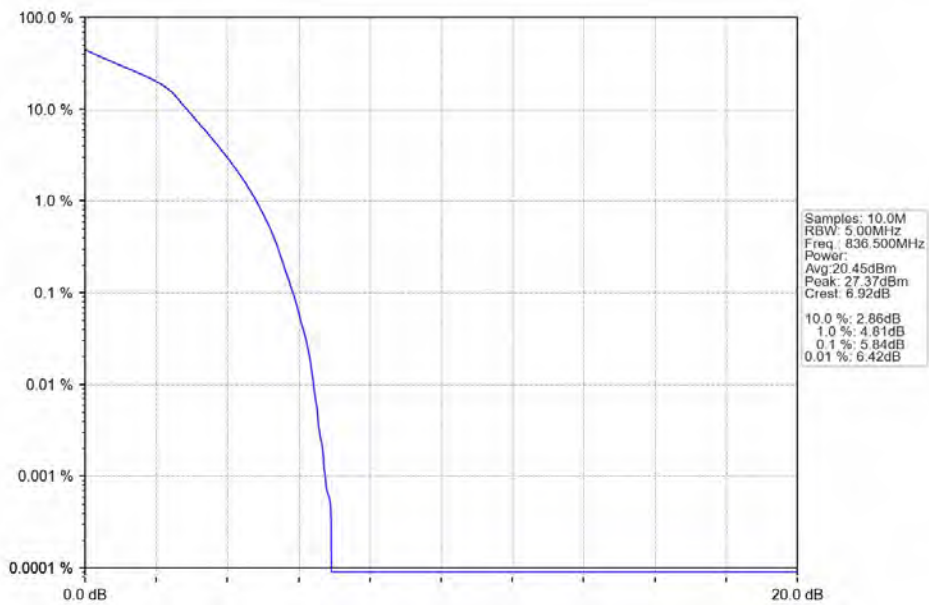
2024-08-07 11:49:42

Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



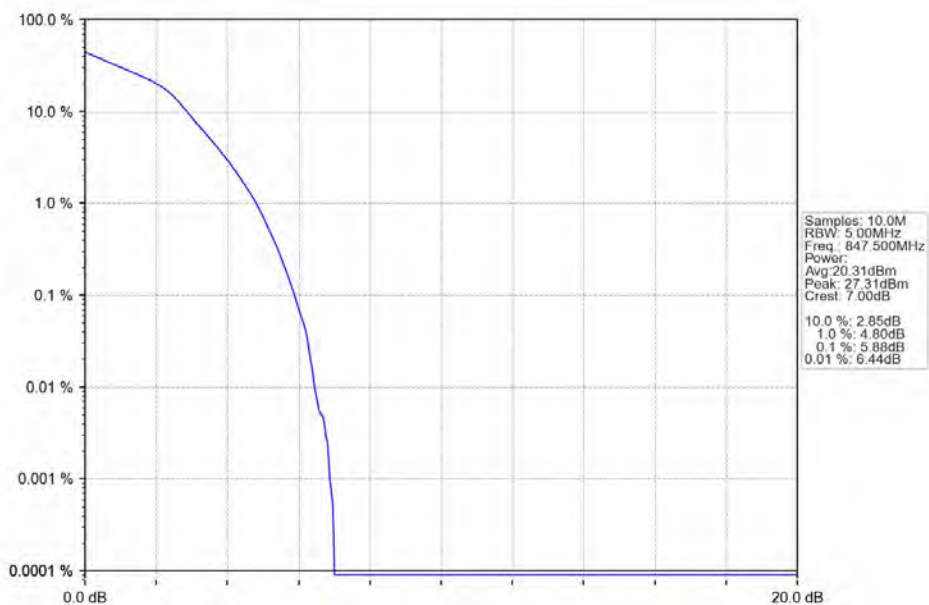
2024-08-07 11:49:02

Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



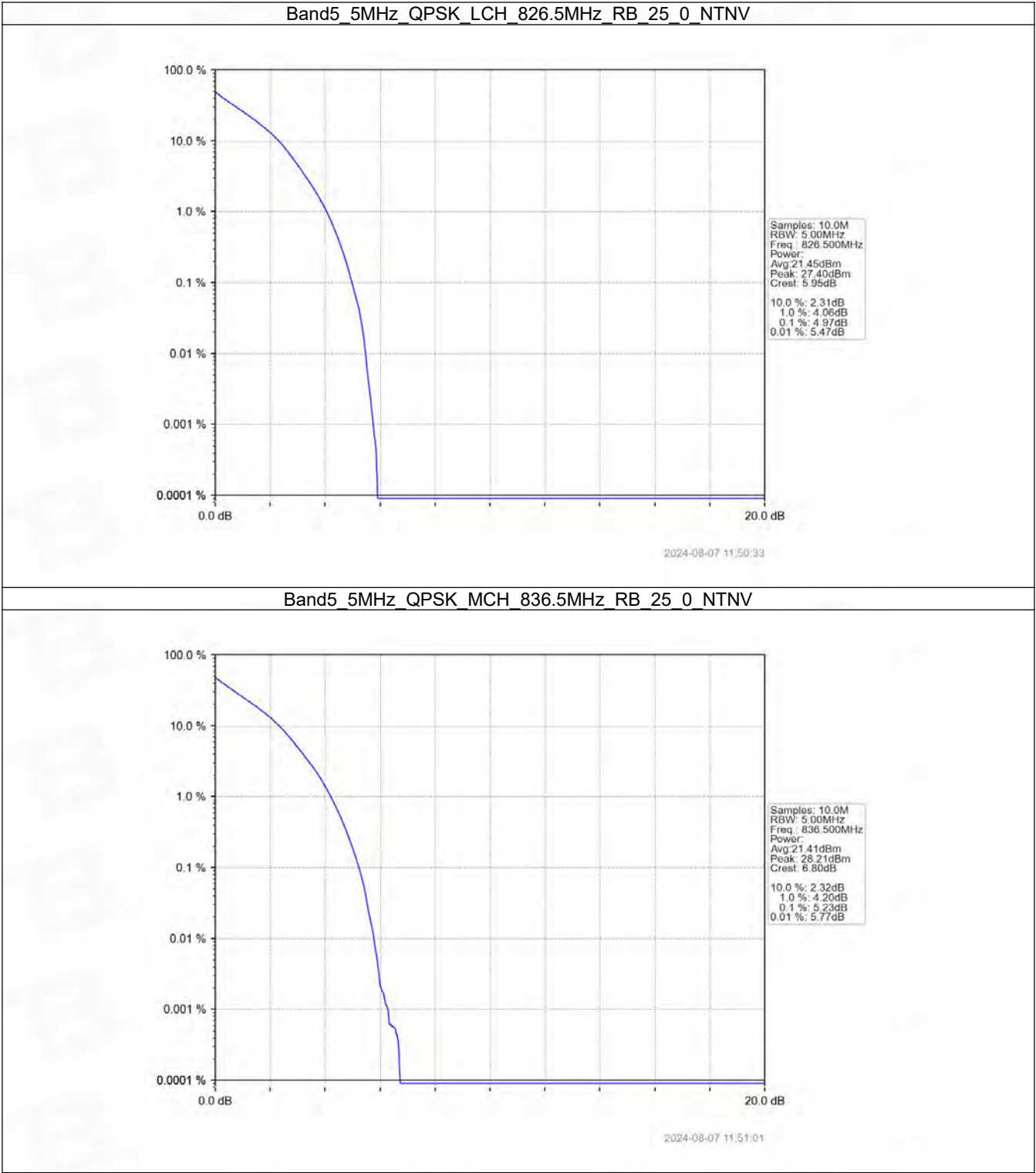
2024-08-07 11:49:28

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

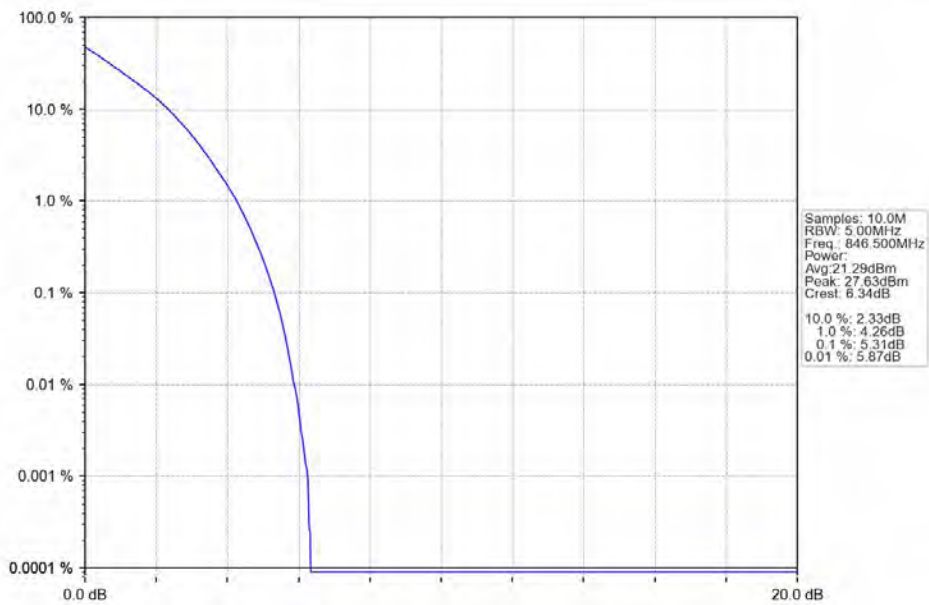


2024-08-07 11:49:55

5.2.3 B5_5MHz

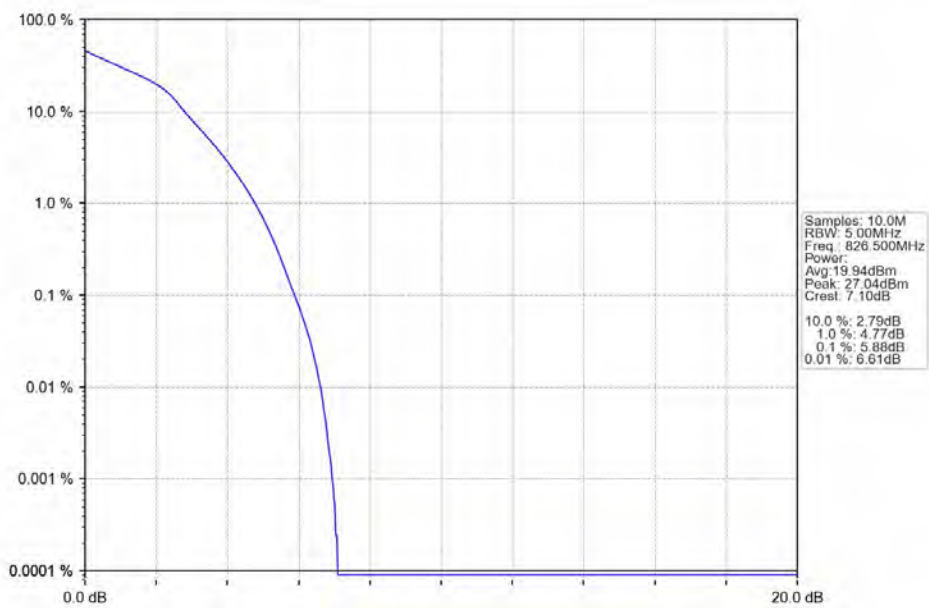


Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



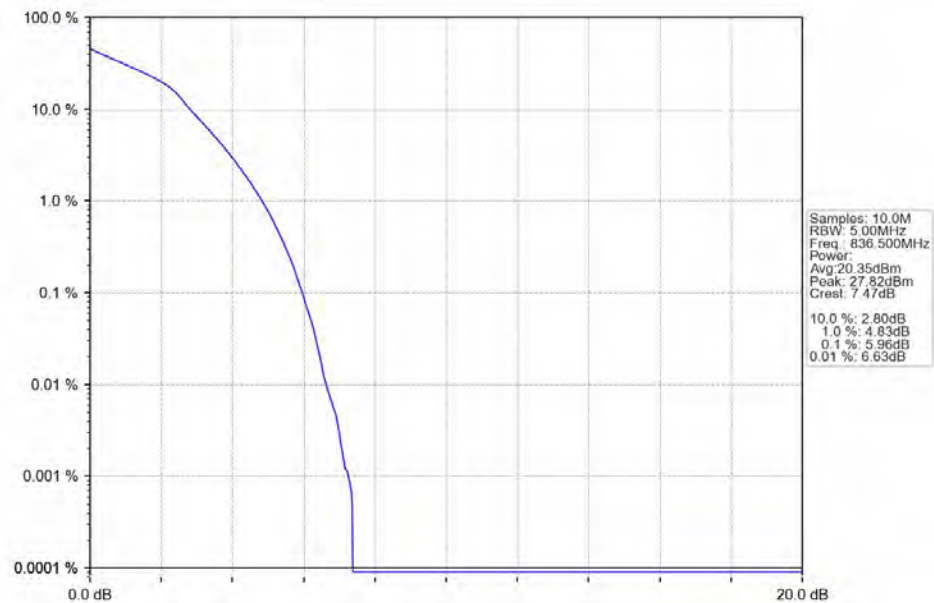
2024-08-07 11:51:27

Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



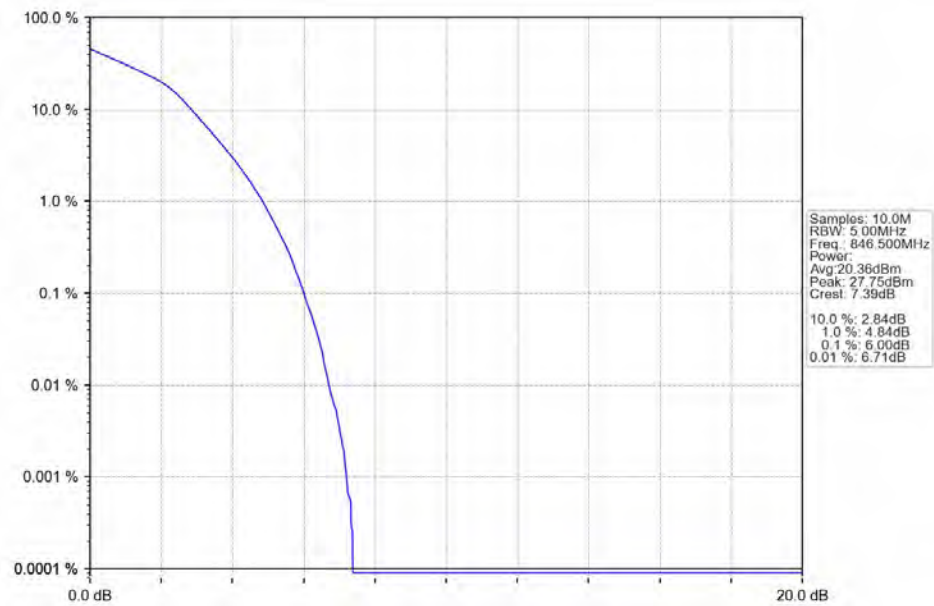
2024-08-07 11:50:46

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



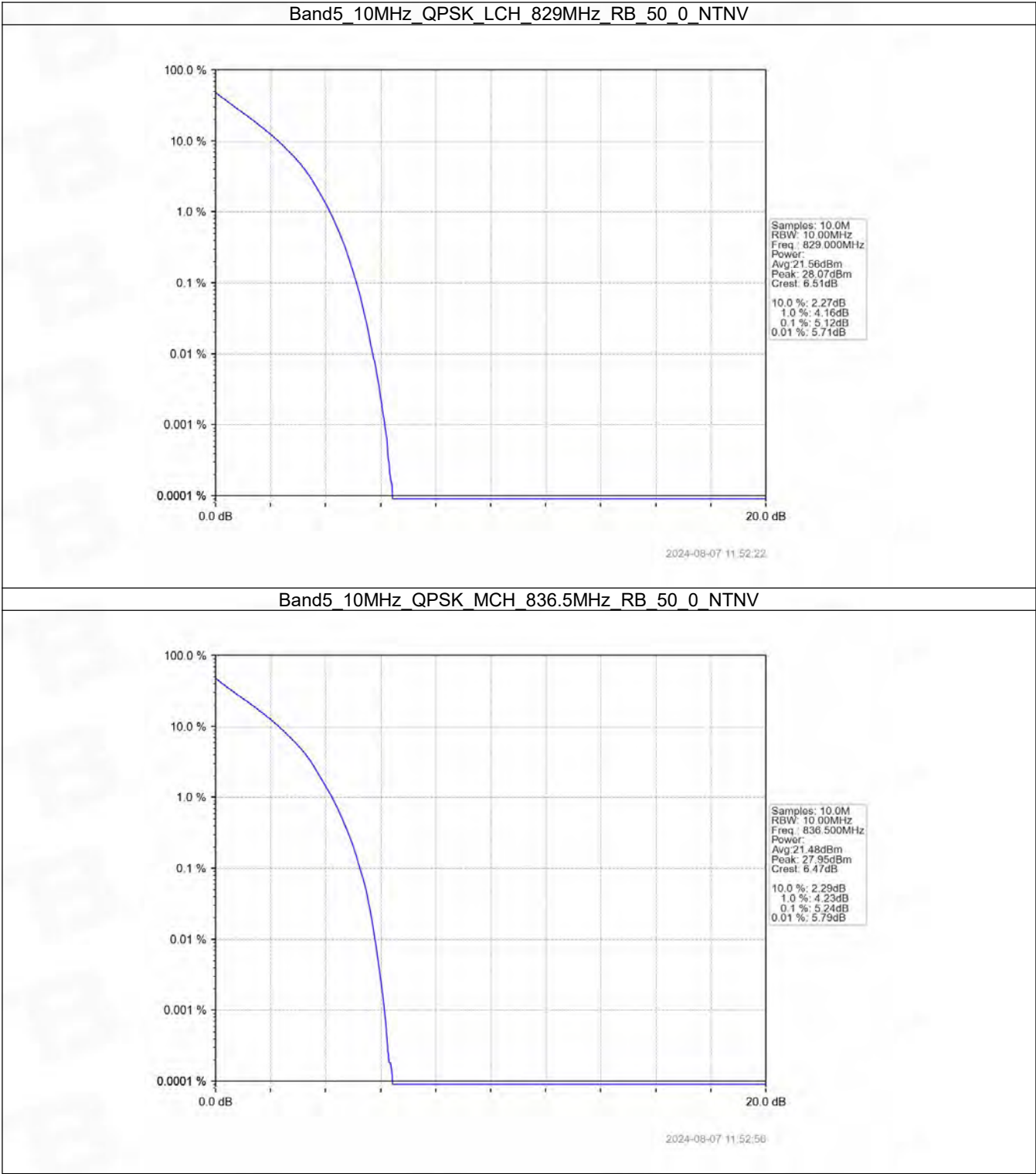
2024-08-07 11:51:13

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

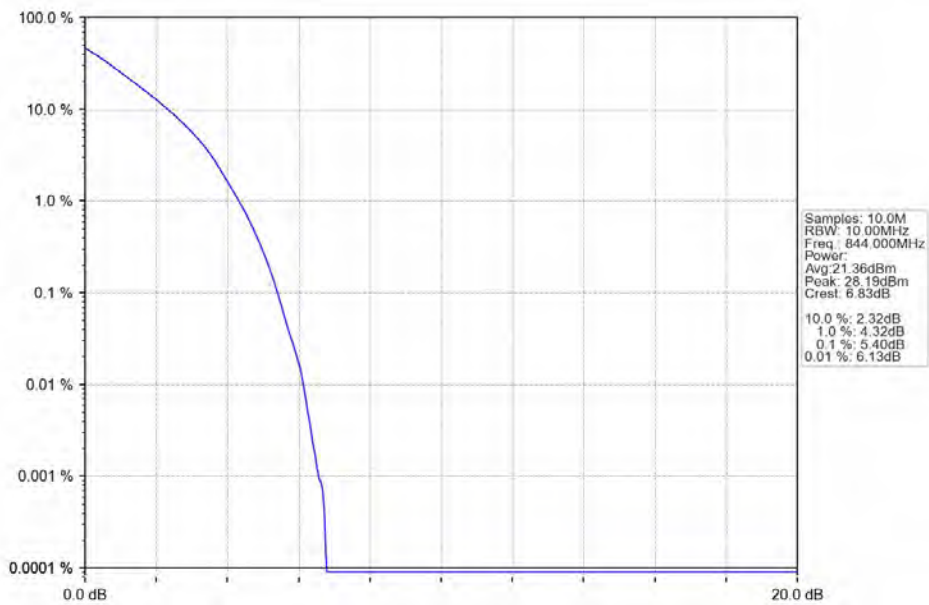


2024-08-07 11:51:40

5.2.4 B5_10MHz

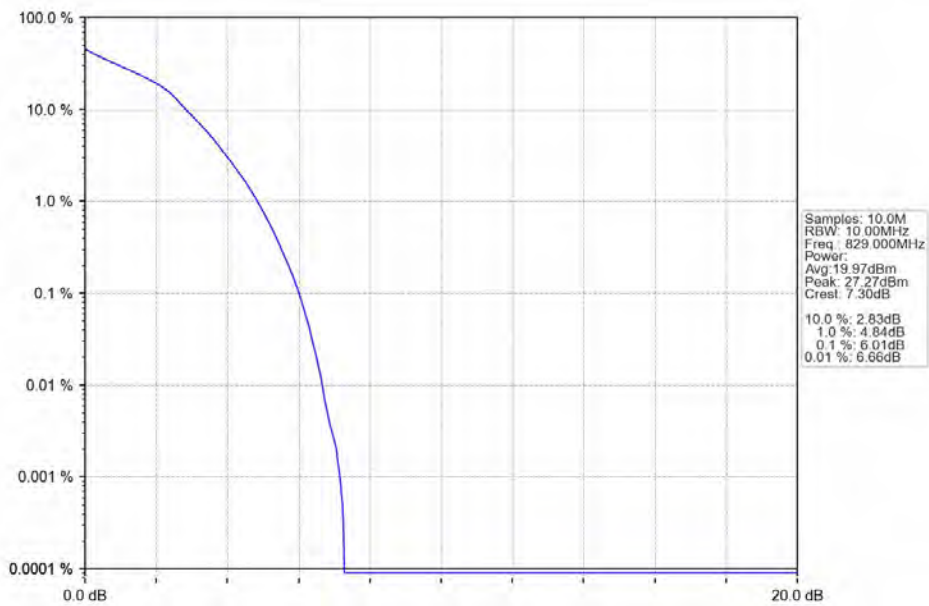


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



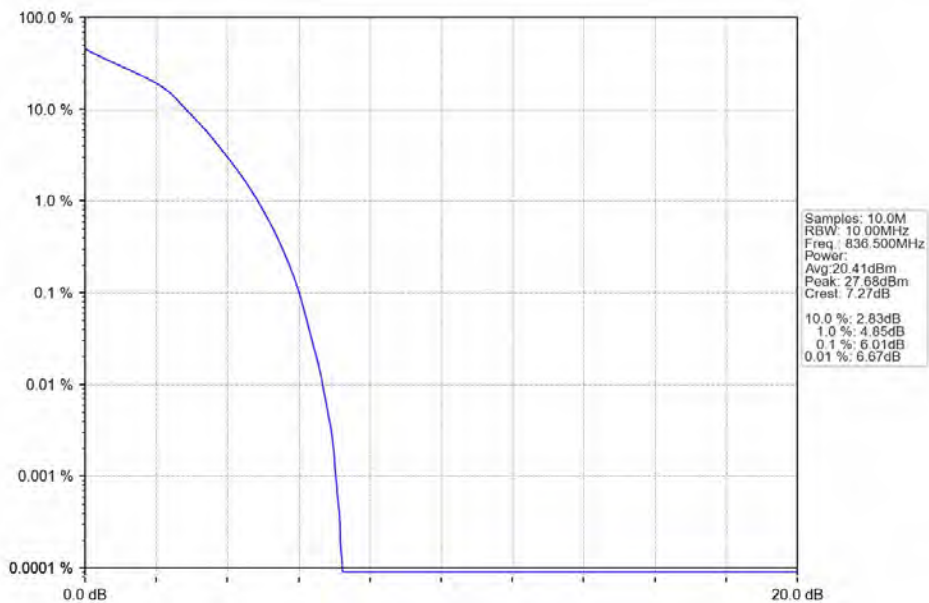
2024-08-07 11:53:29

Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



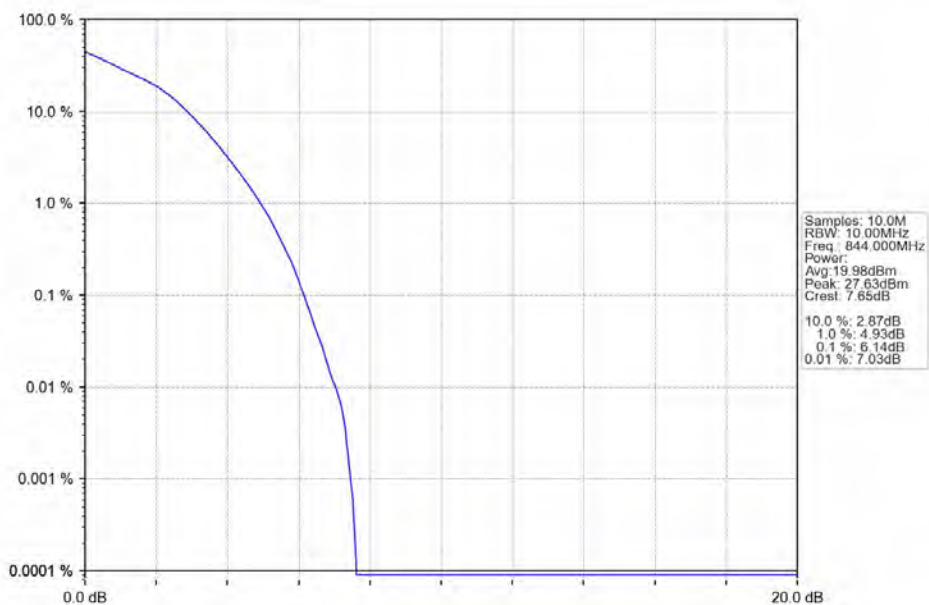
2024-08-07 11:52:38

Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



2024-08-07 11:53:11

Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



2024-08-07 11:53:45

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		Verdict
		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		Verdict
		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		Verdict
		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

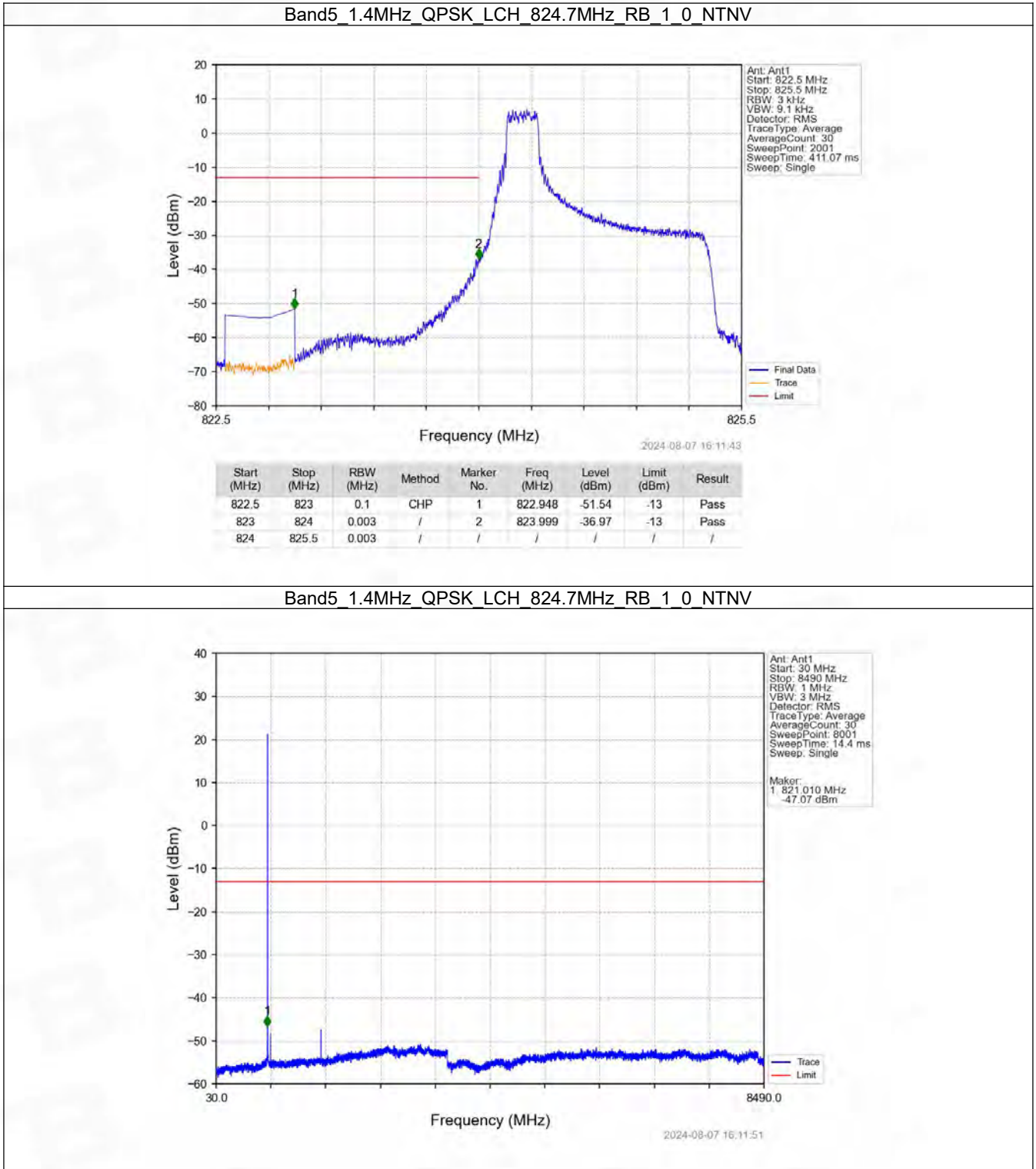
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

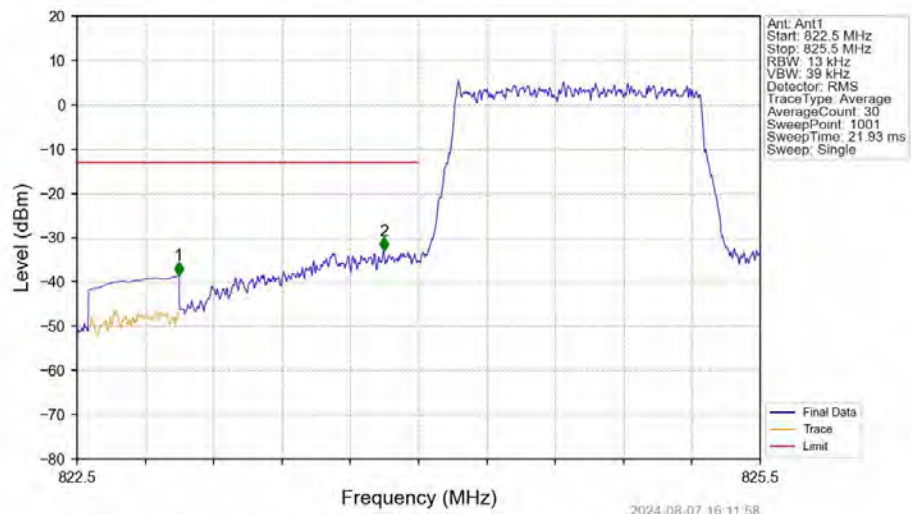
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

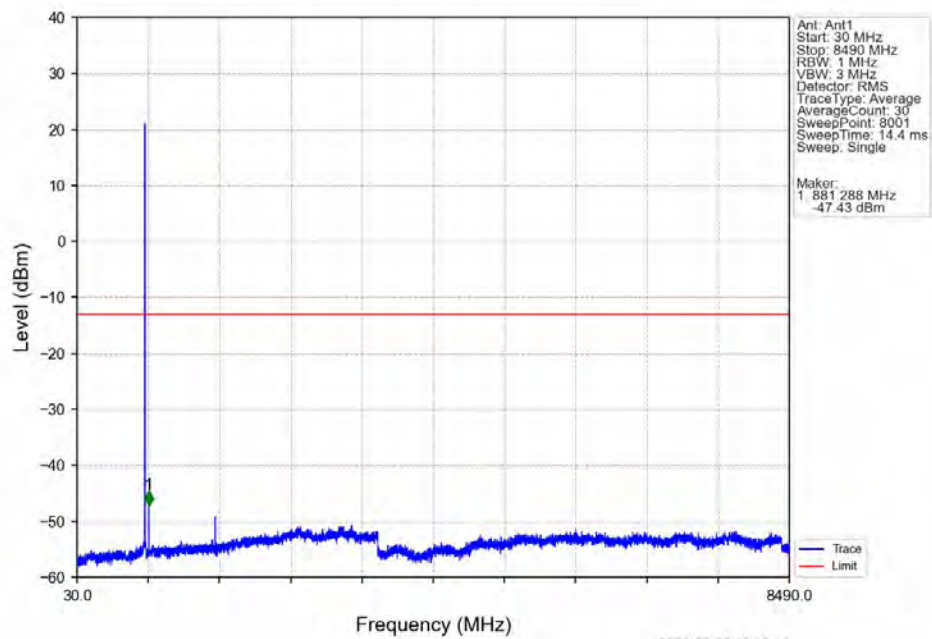


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

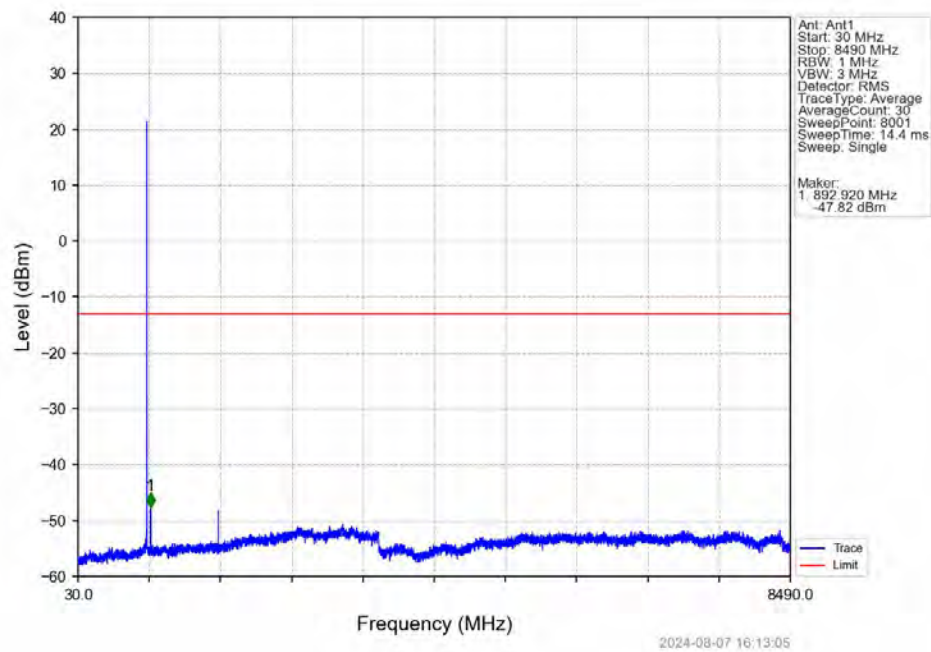


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-38.51	-13	Pass
823	824	0.013	/	2	823.847	-33.02	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

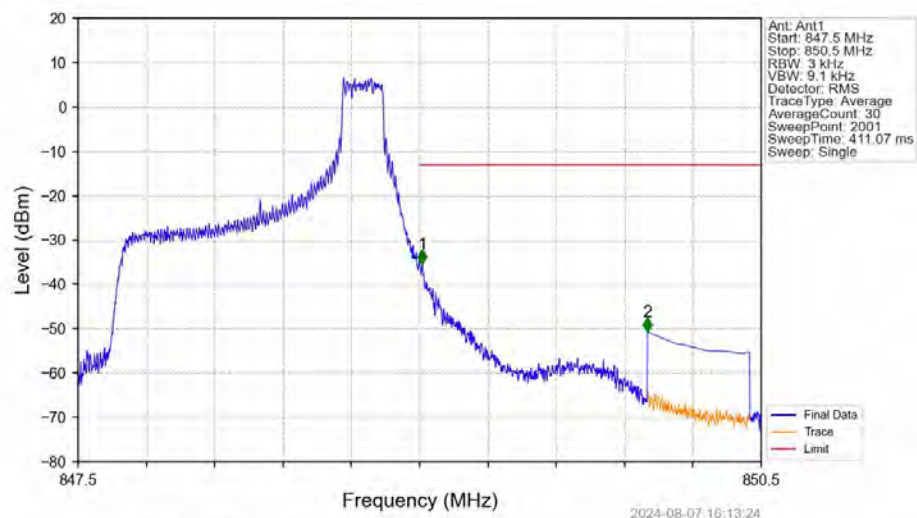
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0 NTNV

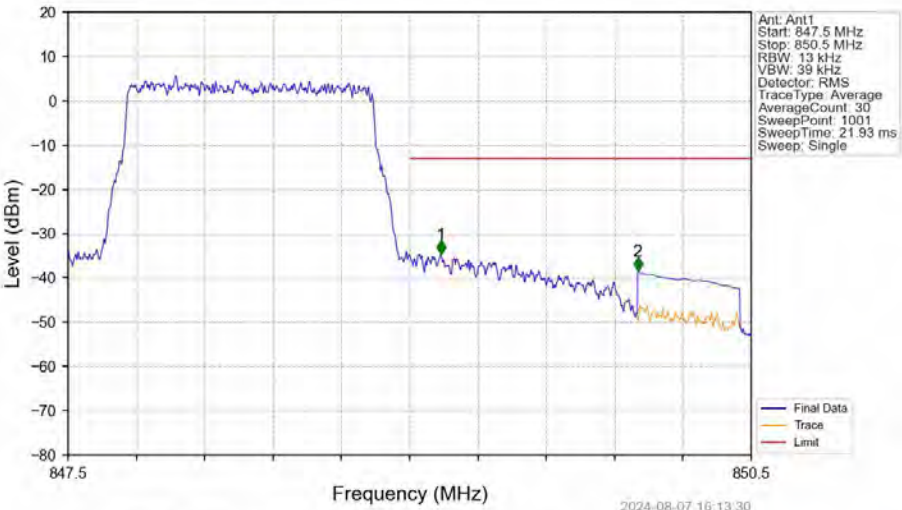


Band5 1.4MHz QPSK HCH 848.3MHz RB 1_5 NTNV

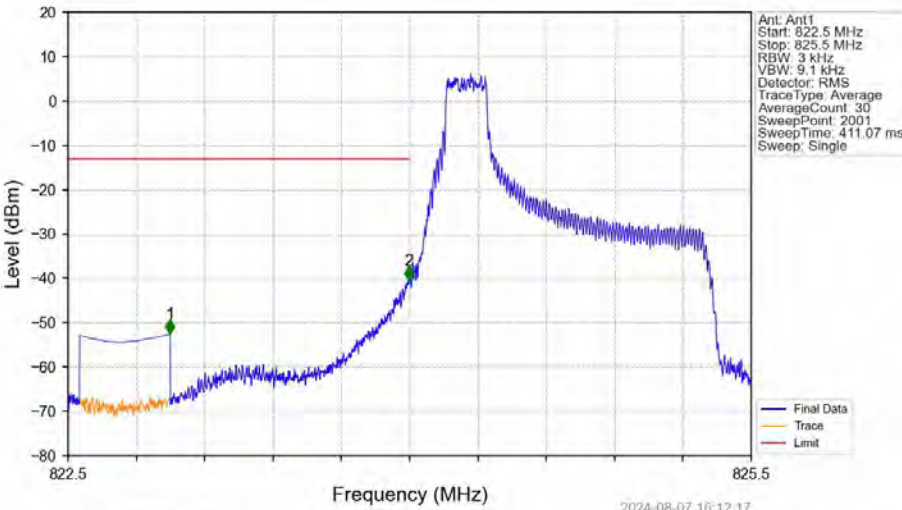


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-35.26	-13	Pass
850	850.5	0.1	CHP	2	850.000	-50.67	-13	Pass

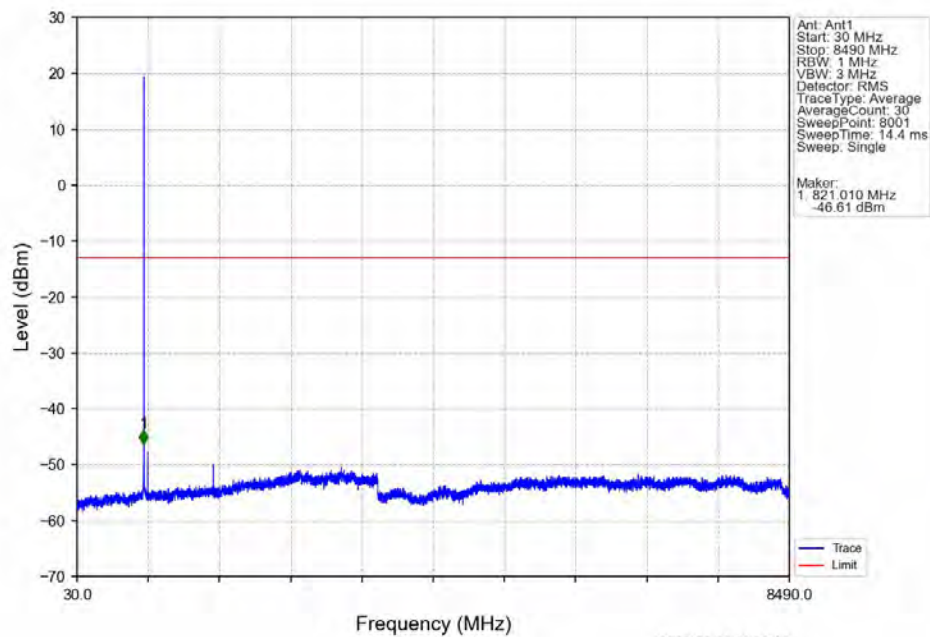
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



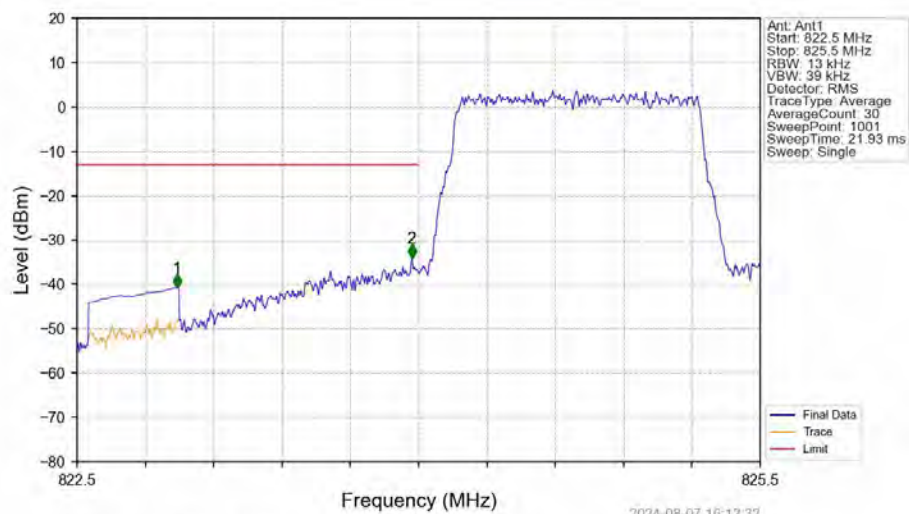
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

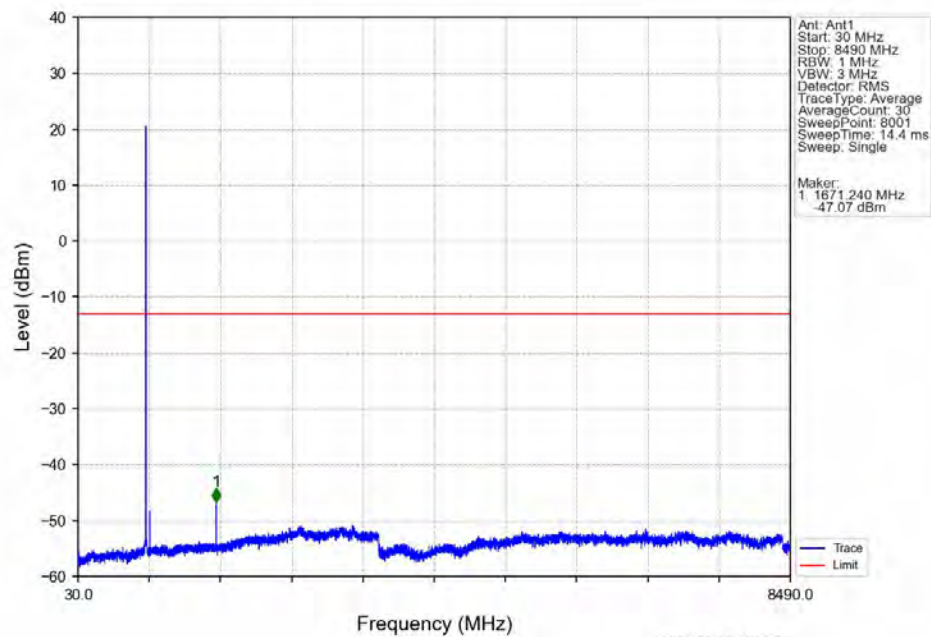


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

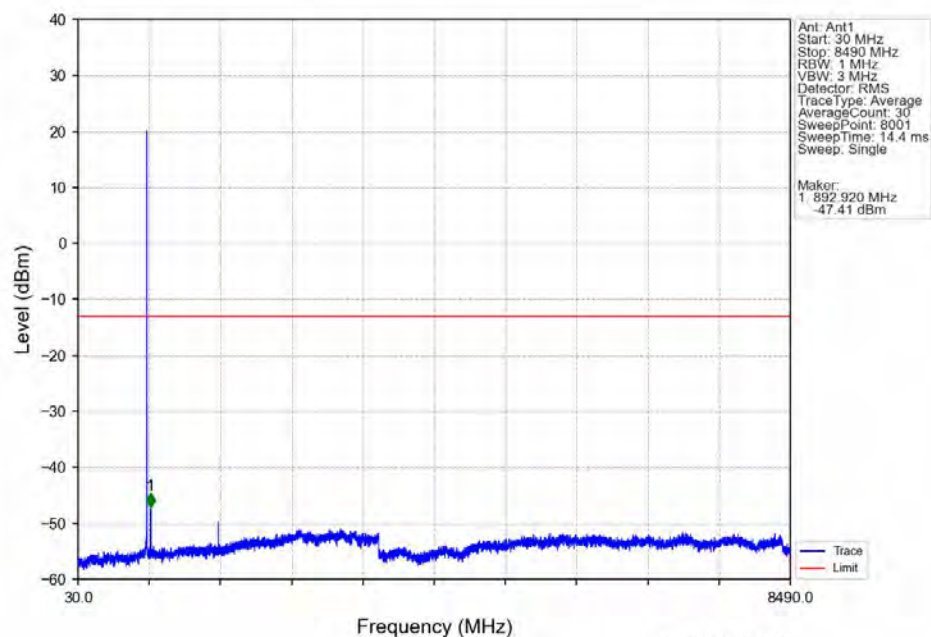


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.938	-40.80	-13	Pass
823	824	0.013	/	2	823.970	-34.11	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

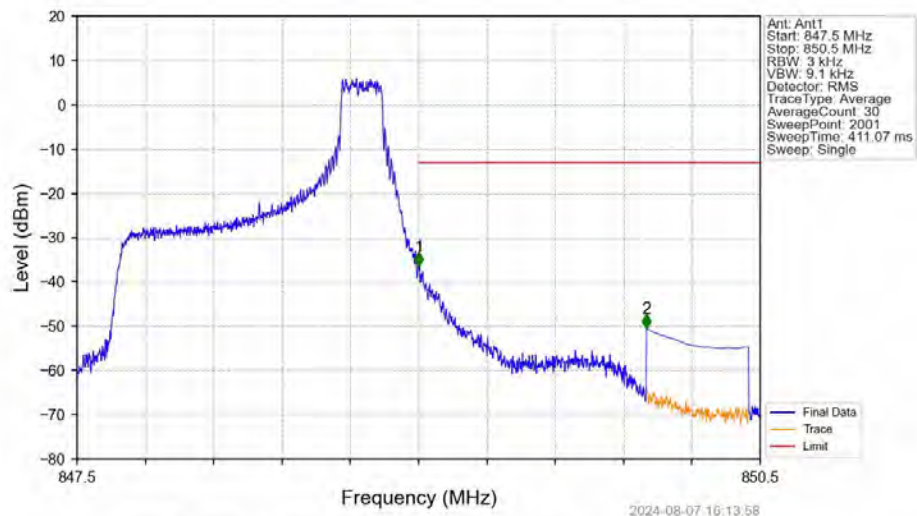
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

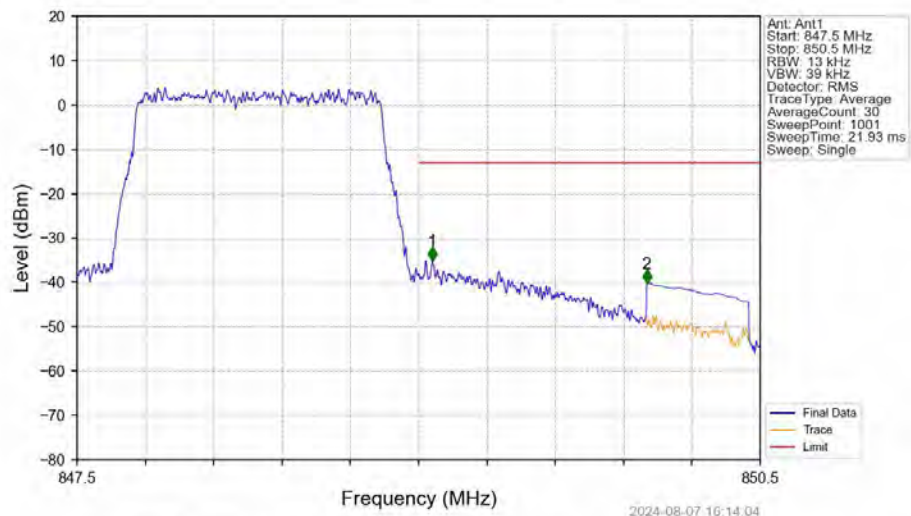


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



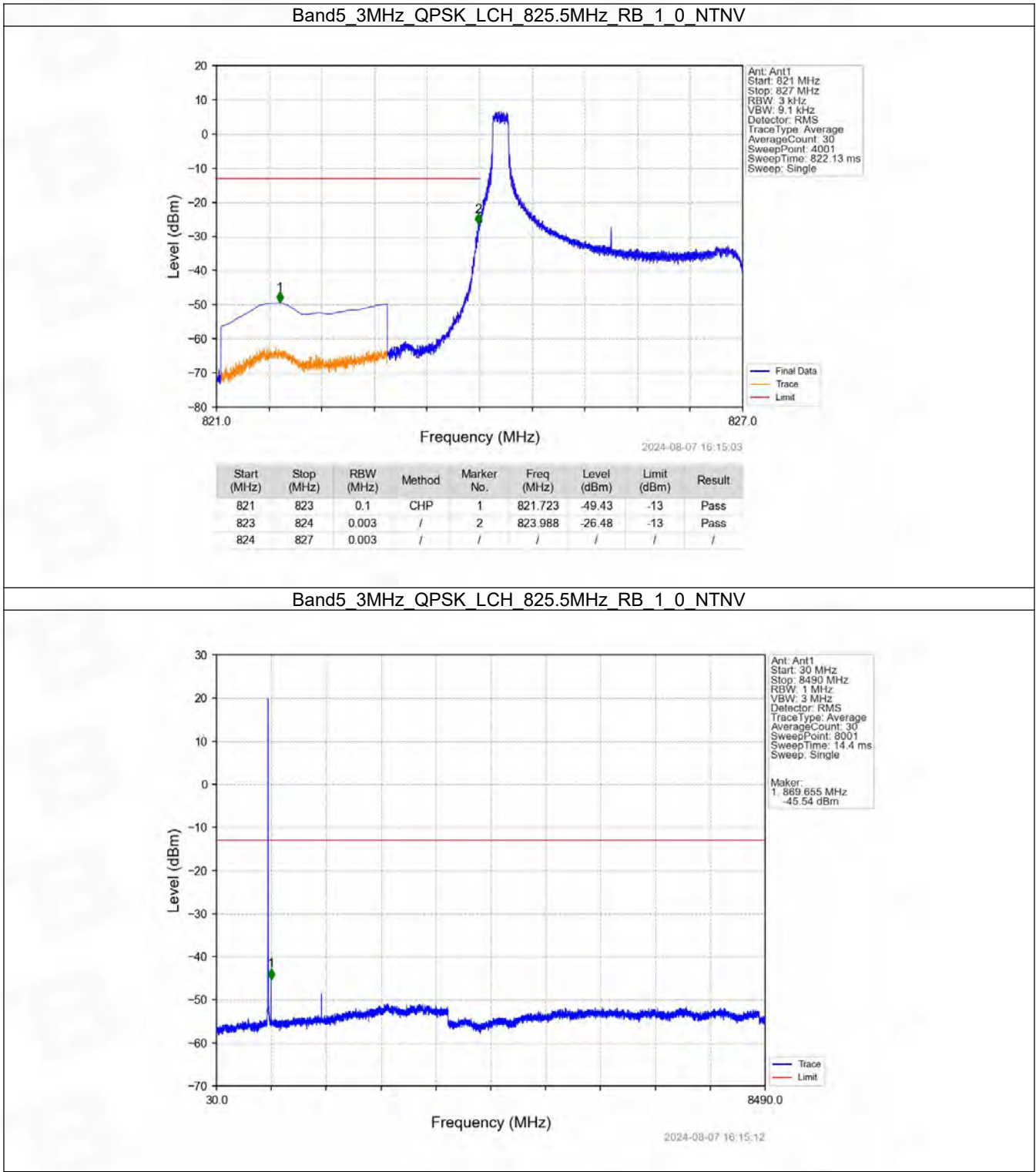
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-36.36	-13	Pass
850	850.5	0.1	CHP	2	850.000	-50.39	-13	Pass

Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

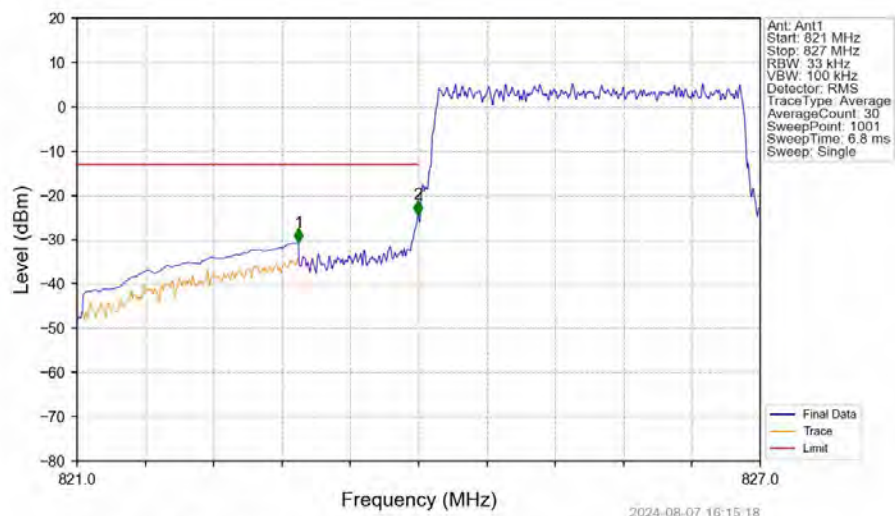


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.060	-35.09	-13	Pass
850	850.5	0.1	CHP	2	850.002	-40.17	-13	Pass

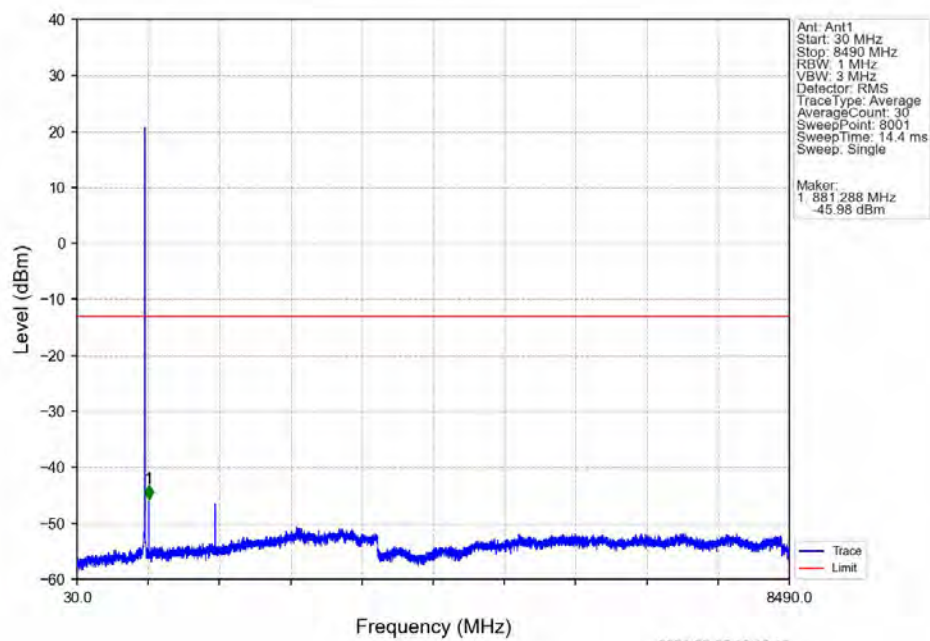
6.2.2 B5_3MHz



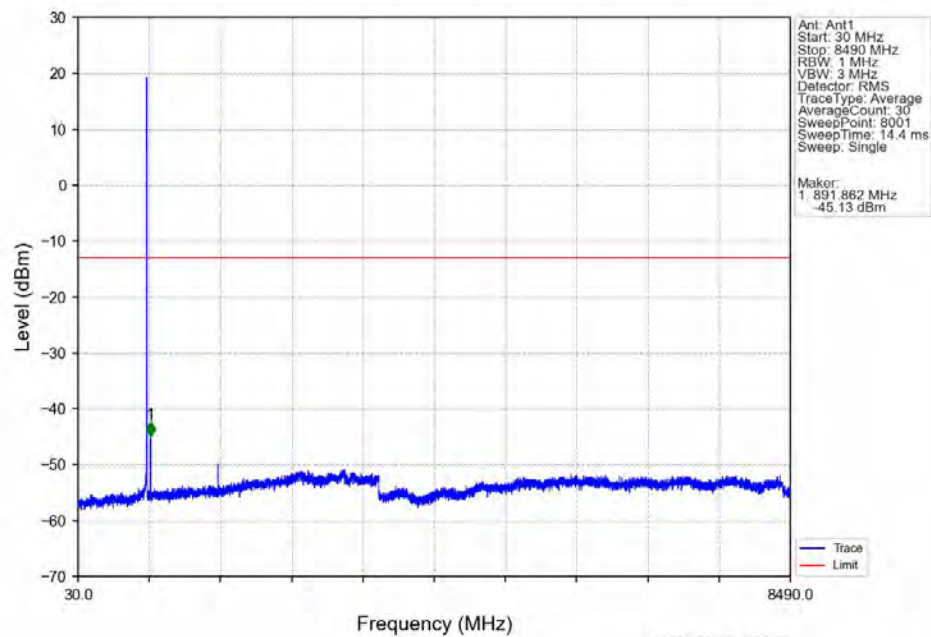
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



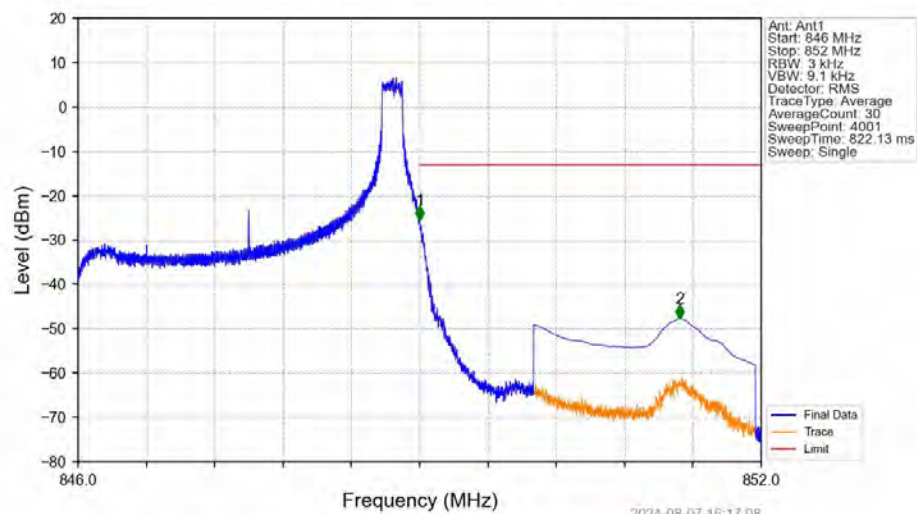
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

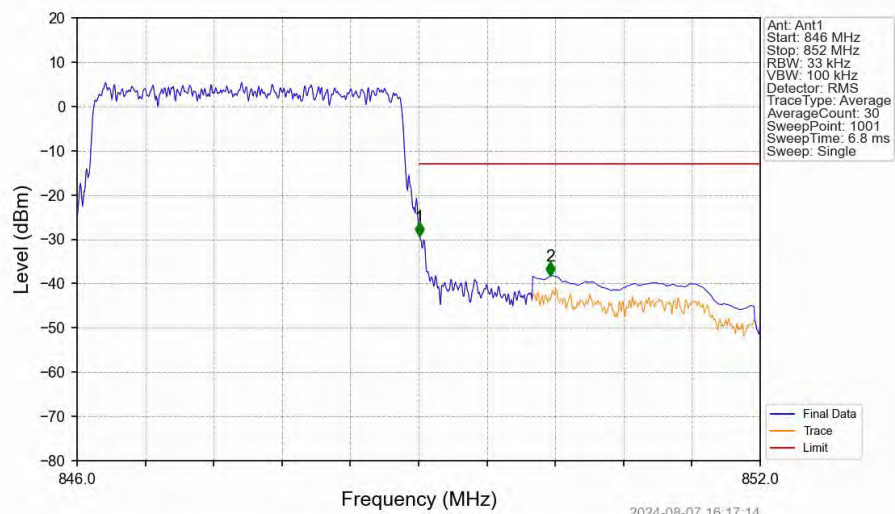


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



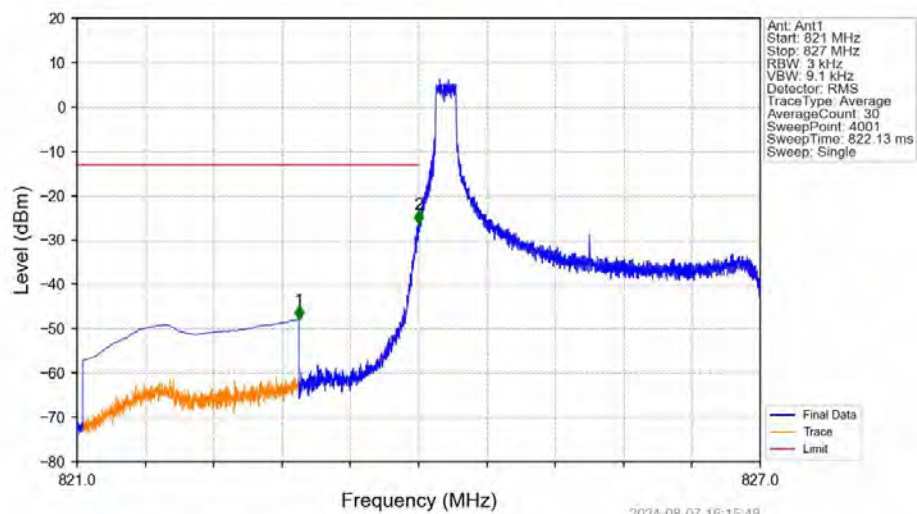
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-25.46	-13	Pass
850	852	0.1	CHP	2	851.283	-47.69	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



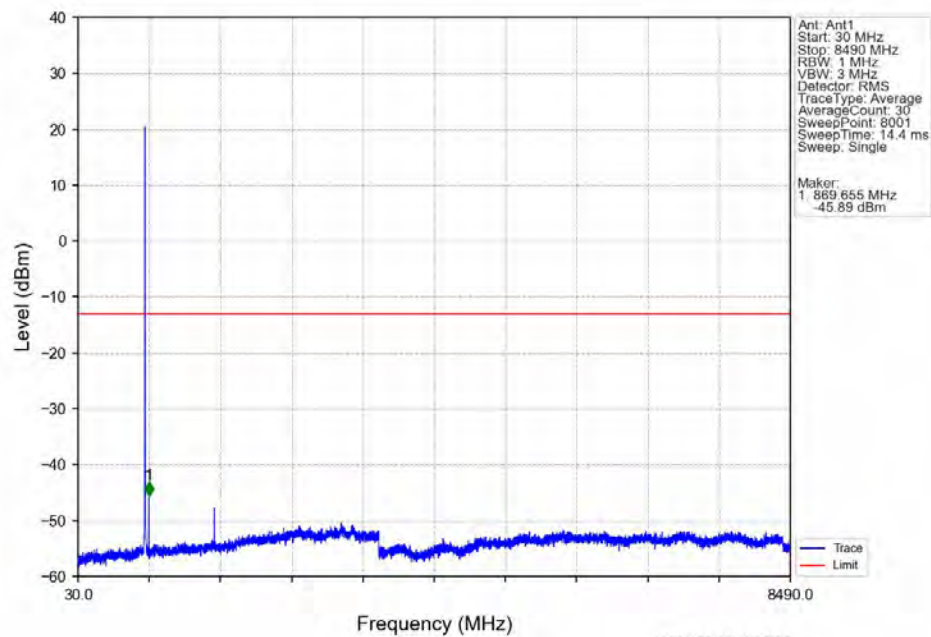
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.006	-29.30	-13	Pass
850	852	0.1	CHP	2	850.158	-38.23	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

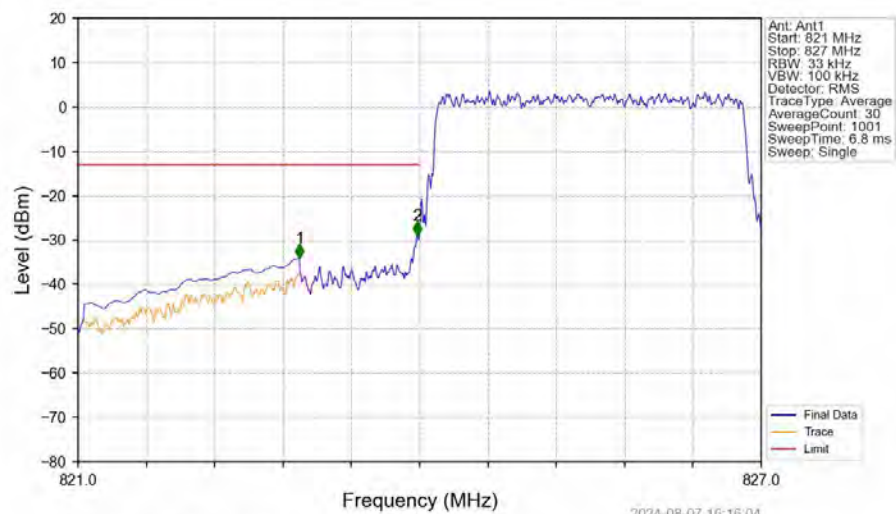


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-47.81	-13	Pass
823	824	0.003	/	2	823.999	-26.46	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

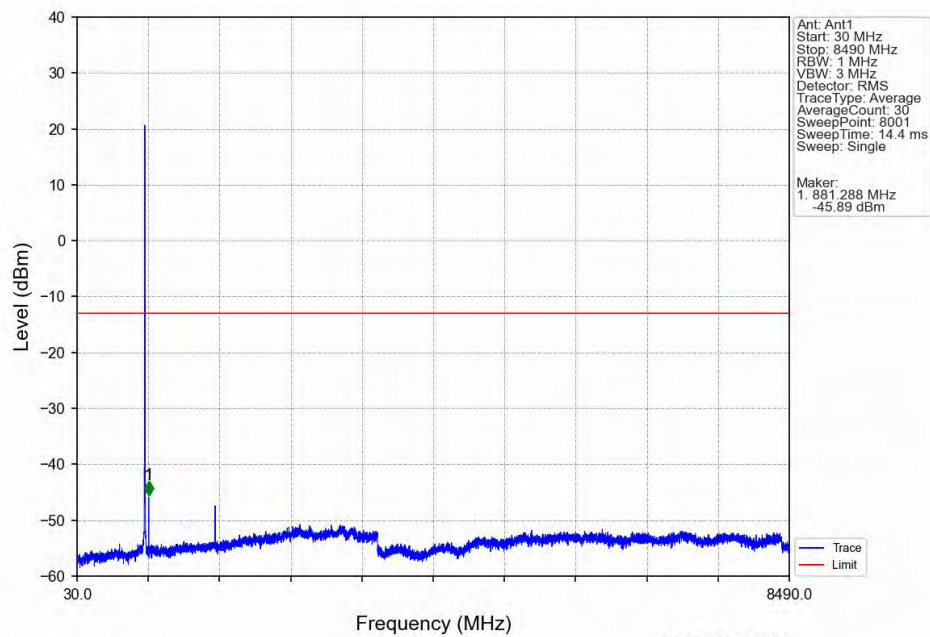


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

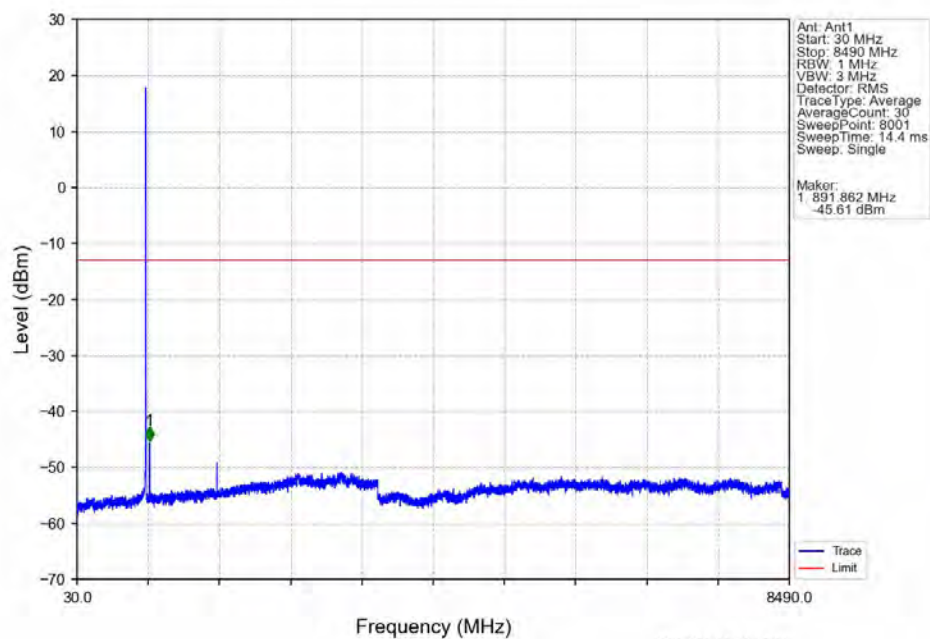


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-34.08	-13	Pass
823	824	0.033	/	2	823.982	-28.86	-13	Pass
824	827	0.033	/	/	/	/	/	/

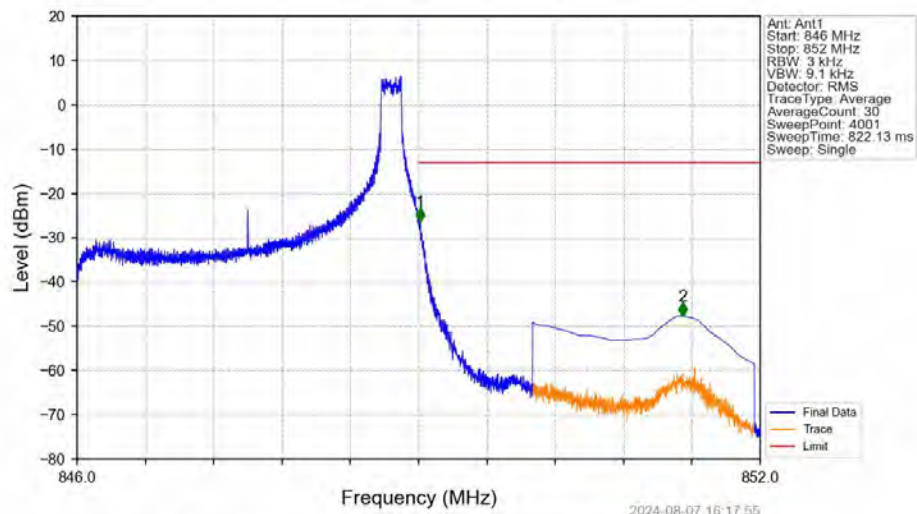
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV

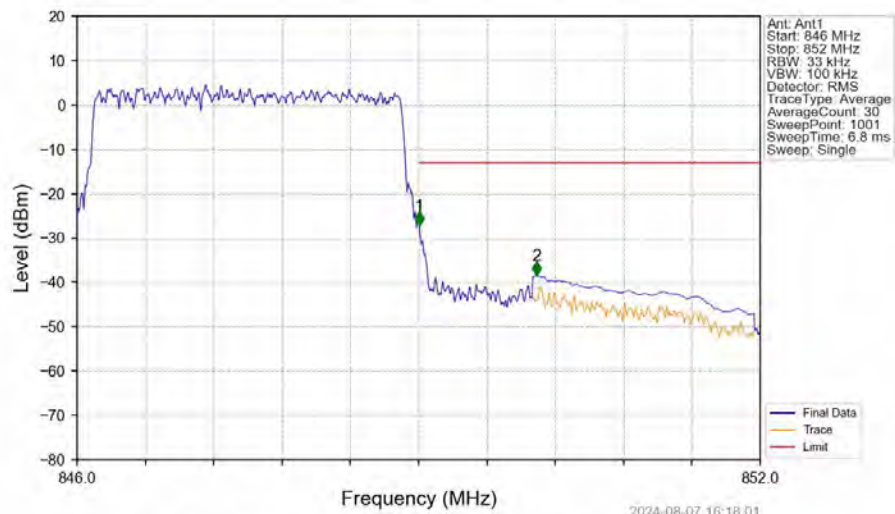


Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



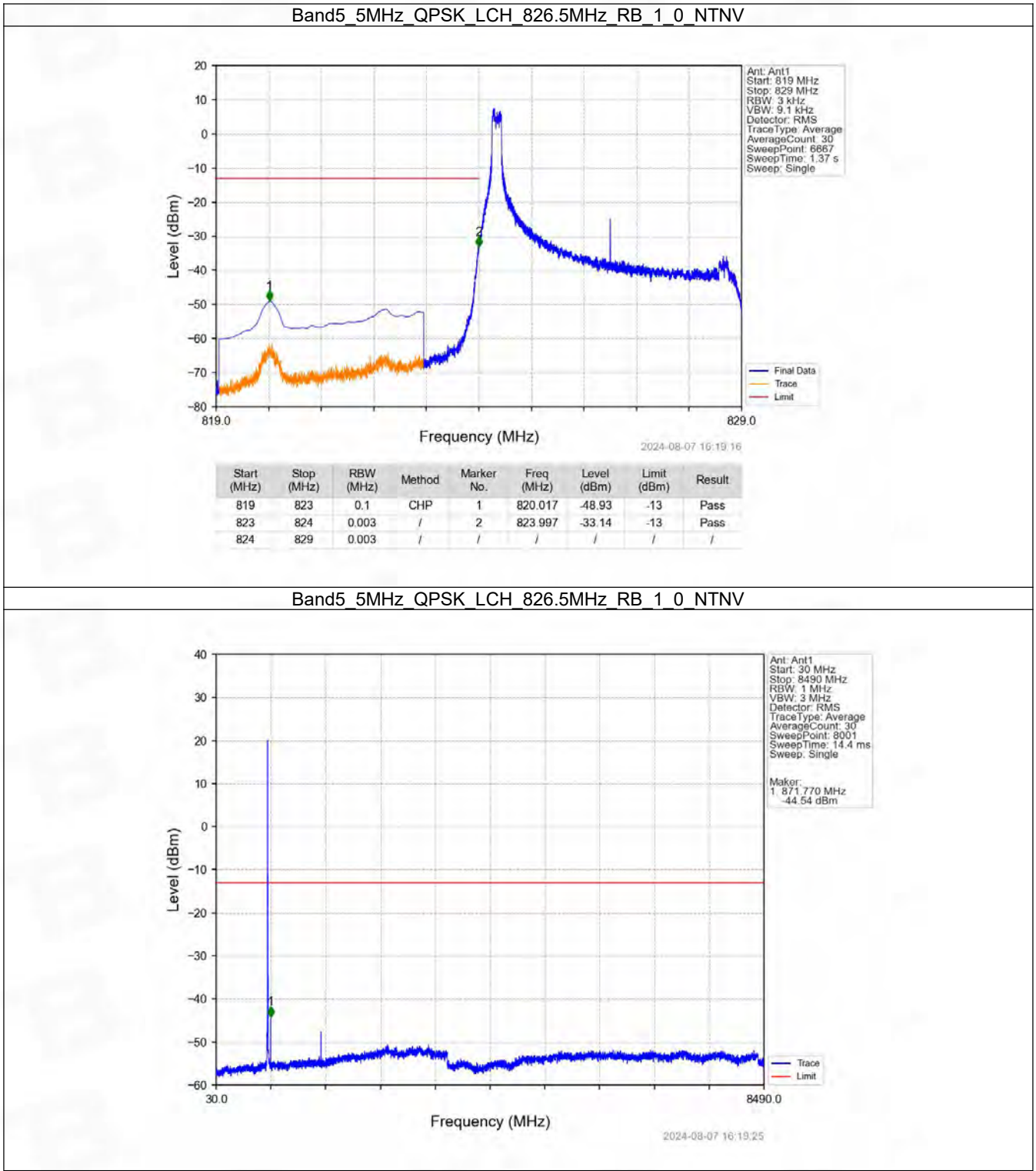
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.014	-26.43	-13	Pass
850	852	0.1	CHP	2	851.319	-47.70	-13	Pass

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

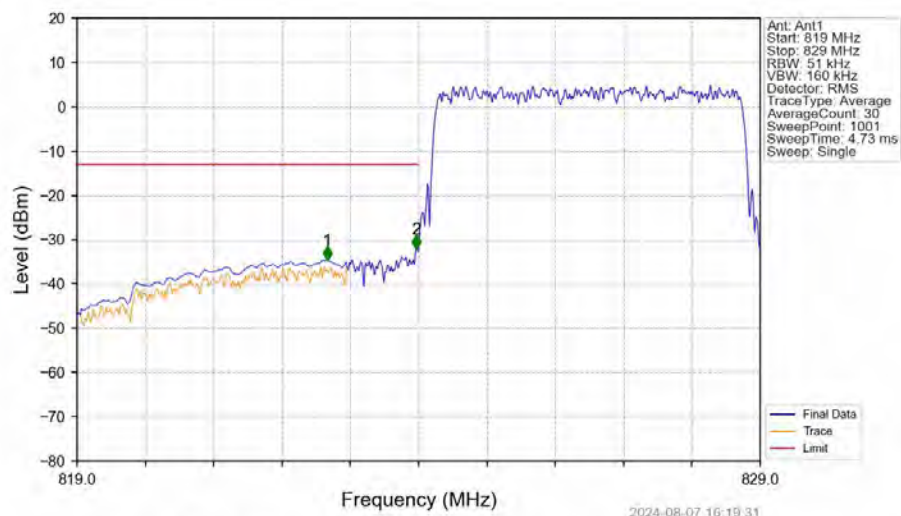


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.006	-27.09	-13	Pass
850	852	0.1	CHP	2	850.038	-38.44	-13	Pass

6.2.3 B5_5MHz

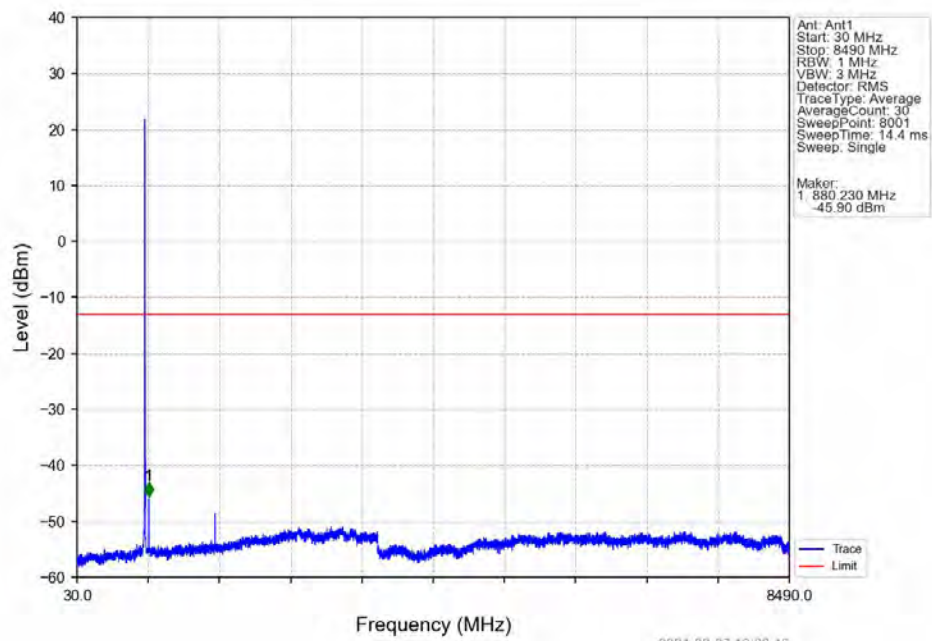


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

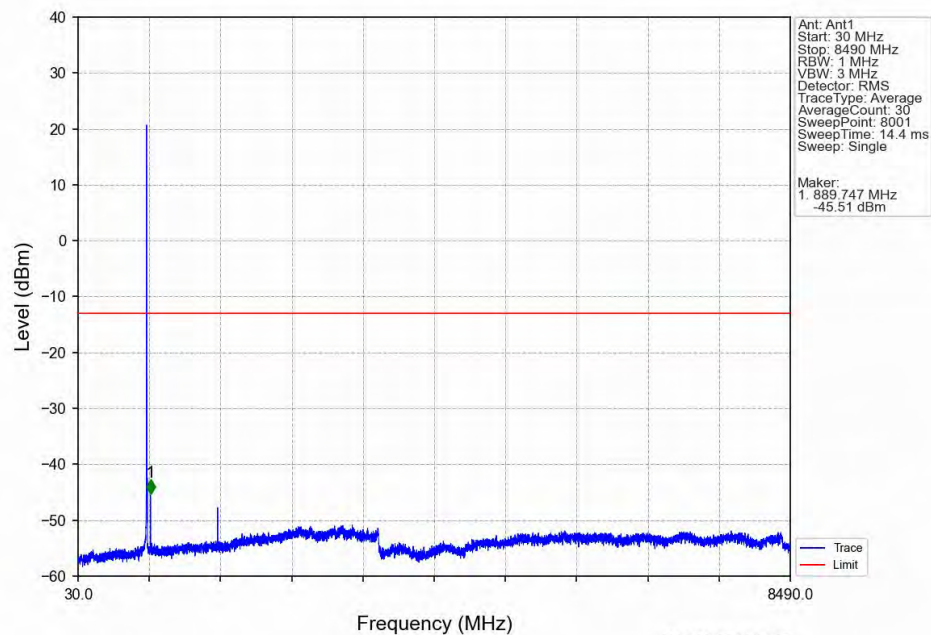


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.660	-34.60	-13	Pass
823	824	0.051	/	2	823.970	-31.98	-13	Pass
824	829	0.051	/	/	/	/	/	/

Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV

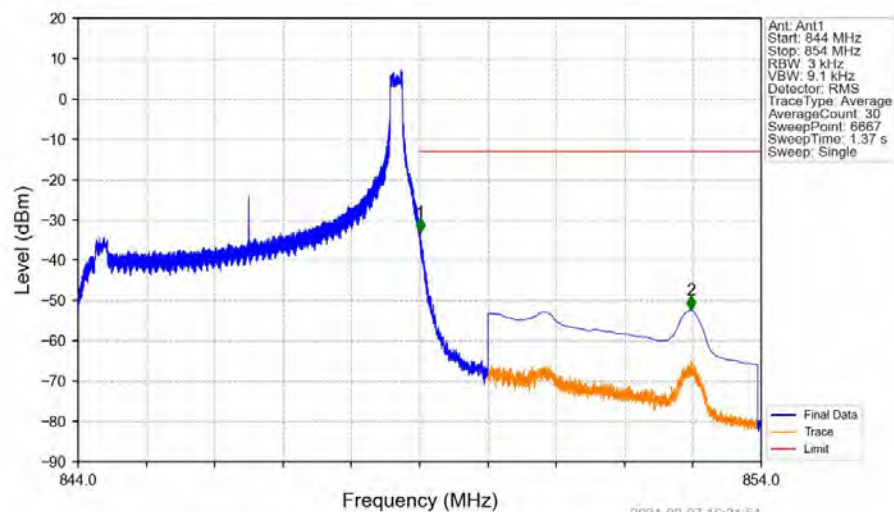


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



2024-08-07 16:21:07

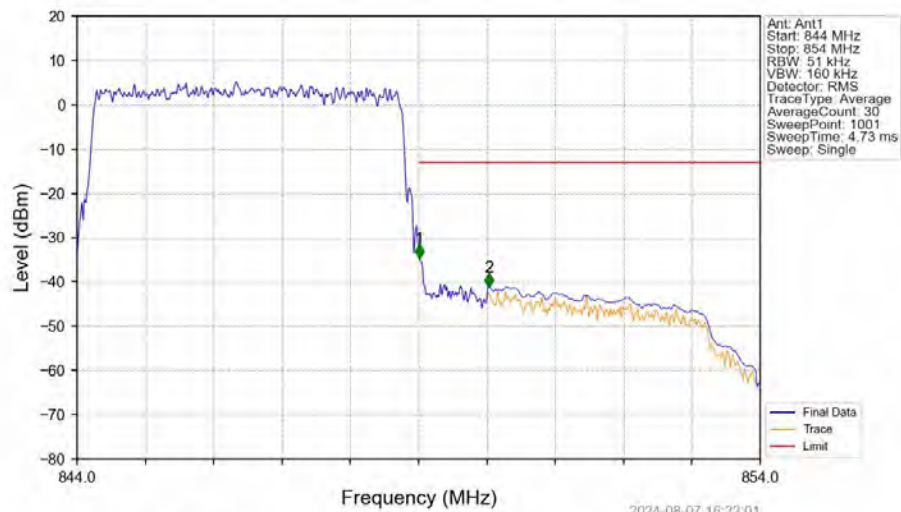
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



2024-08-07 16:21:54

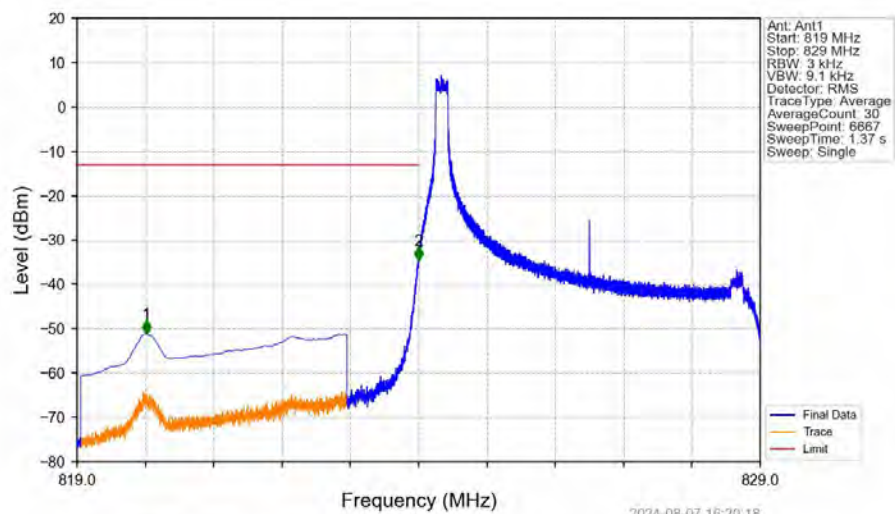
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-32.96	-13	Pass
850	854	0.1	CHP	2	852.974	-52.33	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



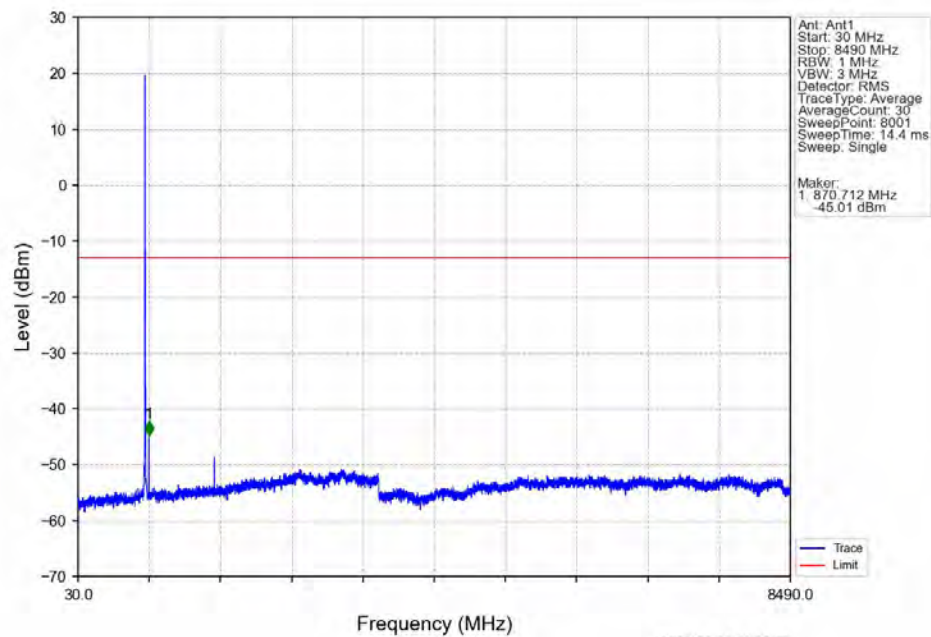
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-34.53	-13	Pass
850	854	0.1	CHP	2	850.030	-41.13	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

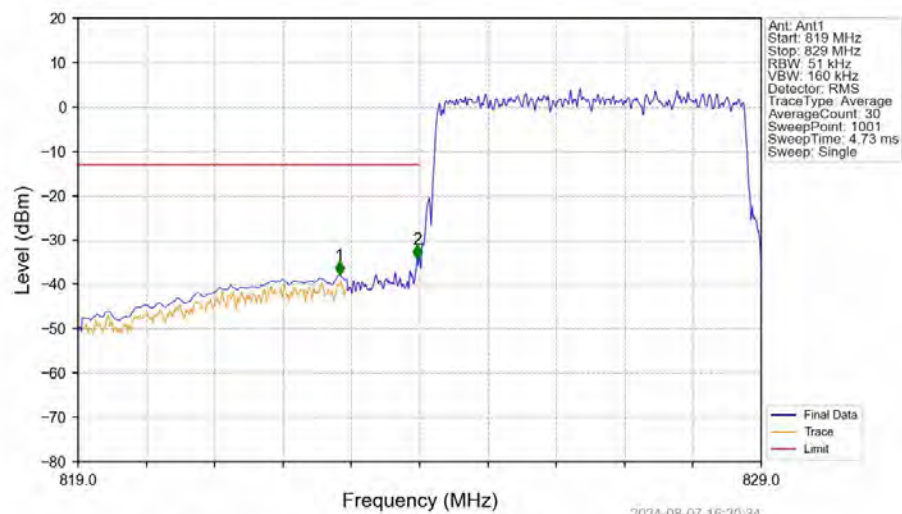


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	820.011	-51.12	-13	Pass
823	824	0.003	/	2	823.999	-34.51	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

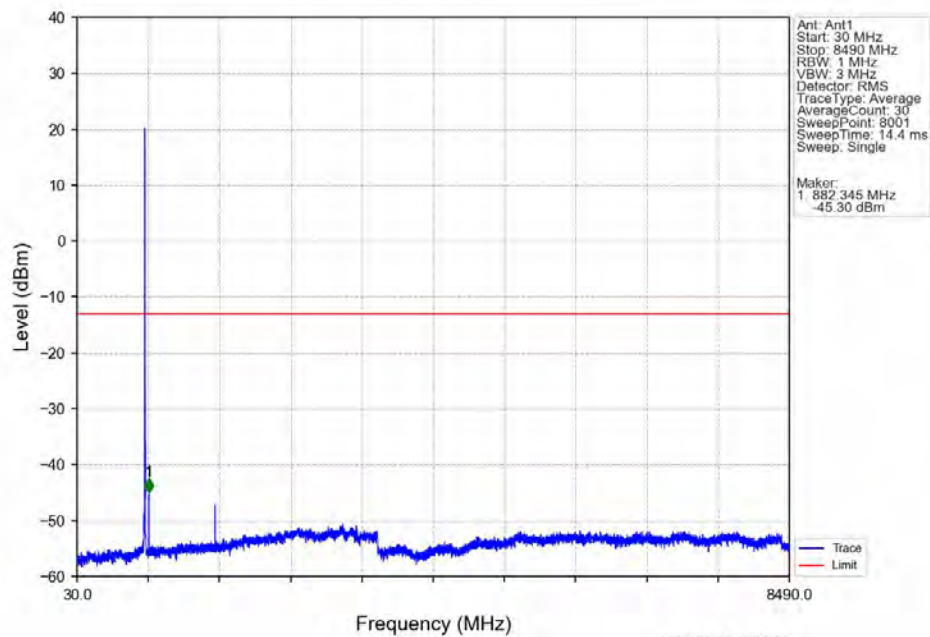


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

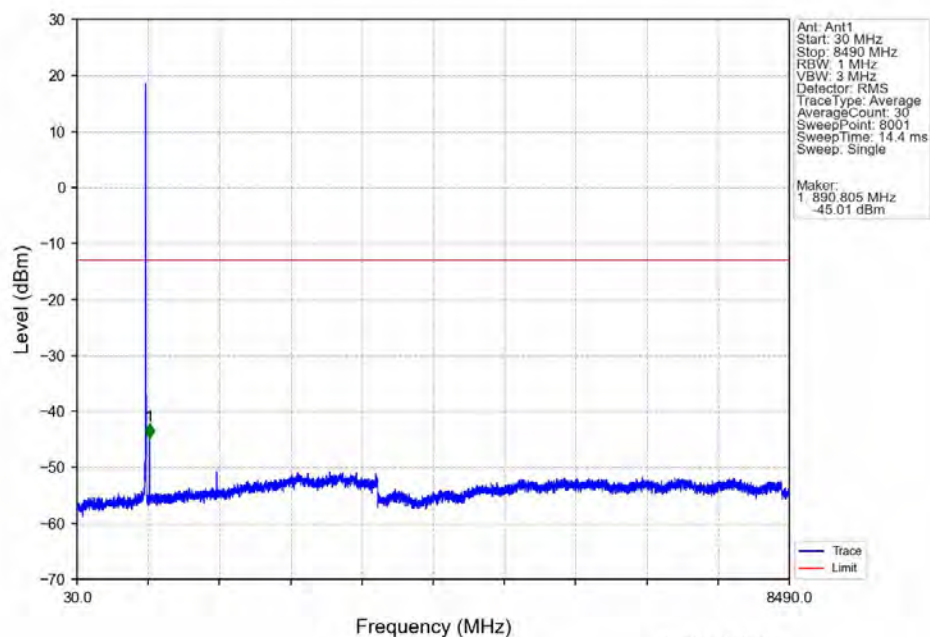


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.830	-37.87	-13	Pass
823	824	0.051	/	2	823.970	-34.24	-13	Pass
824	829	0.051	/	/	/	/	/	/

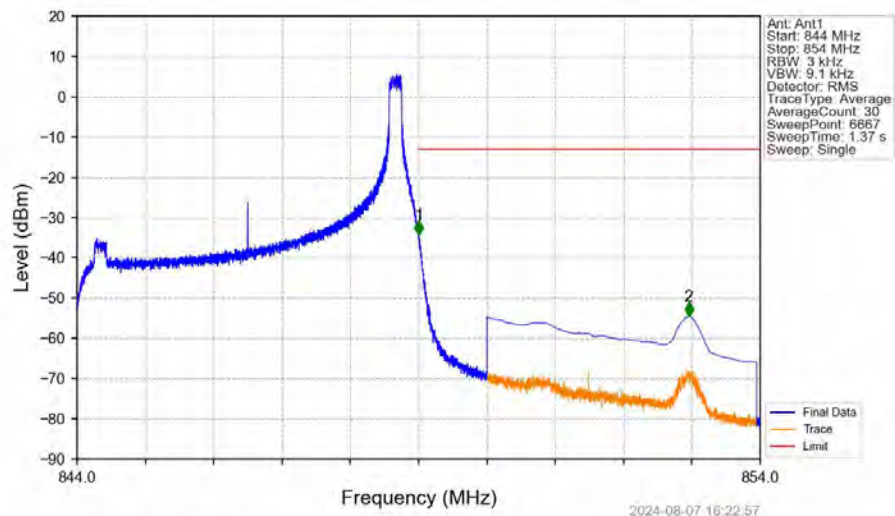
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV

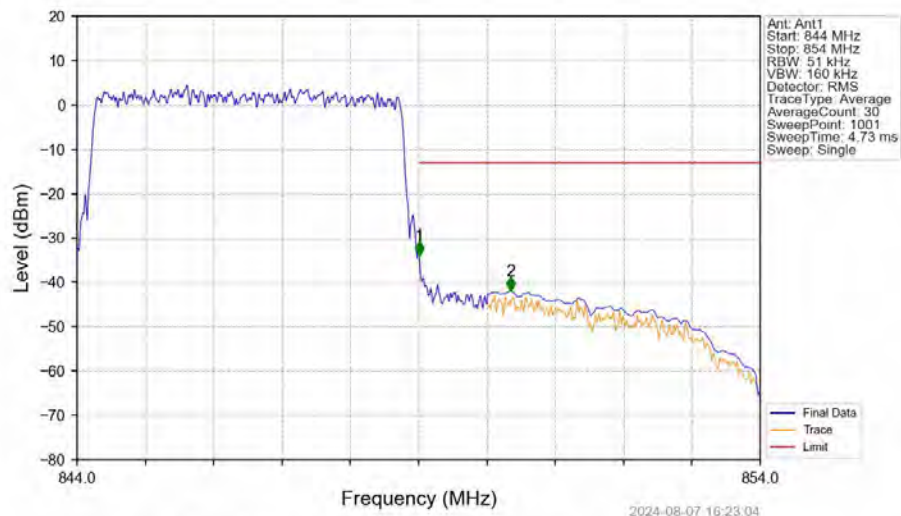


Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



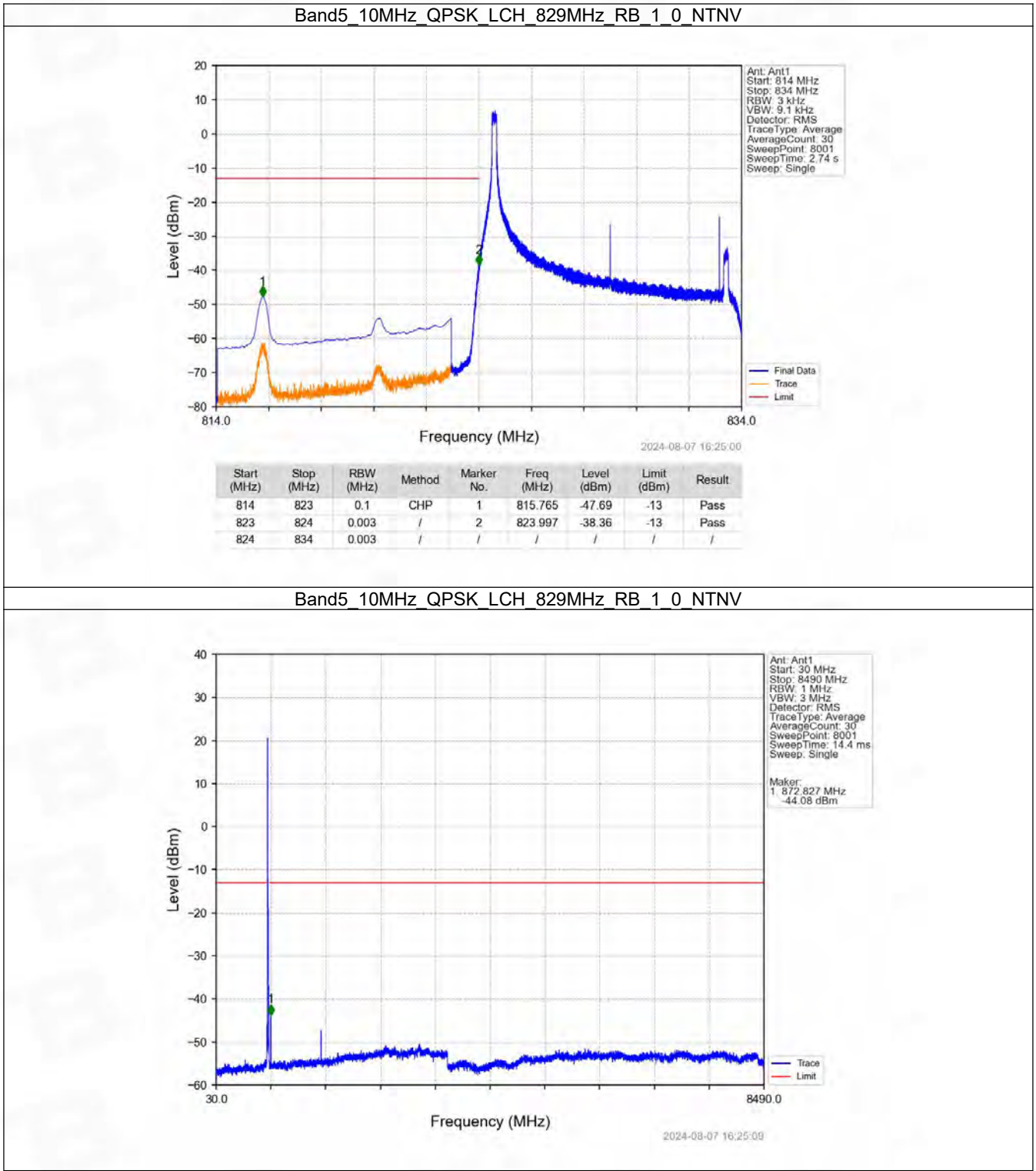
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-34.18	-13	Pass
850	854	0.1	CHP	2	852.956	-54.50	-13	Pass

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

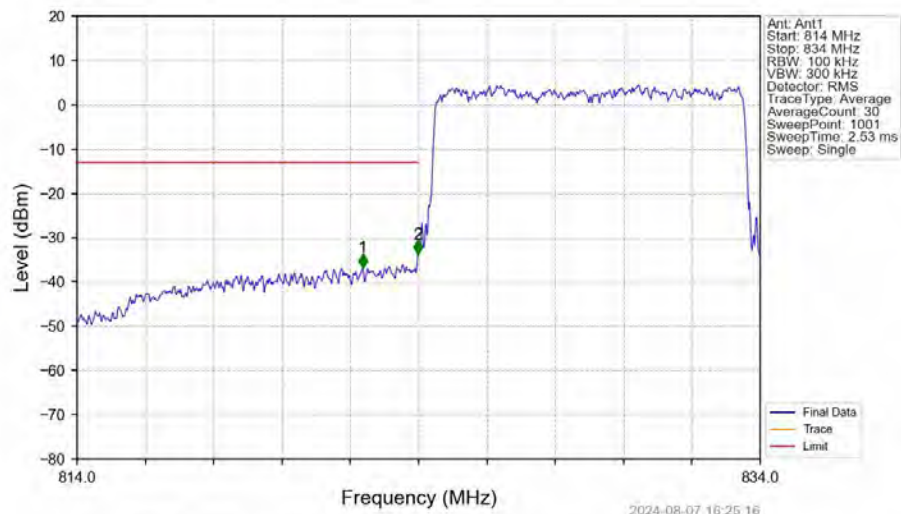


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-33.79	-13	Pass
850	854	0.1	CHP	2	850.350	-41.87	-13	Pass

6.2.4 B5_10MHz

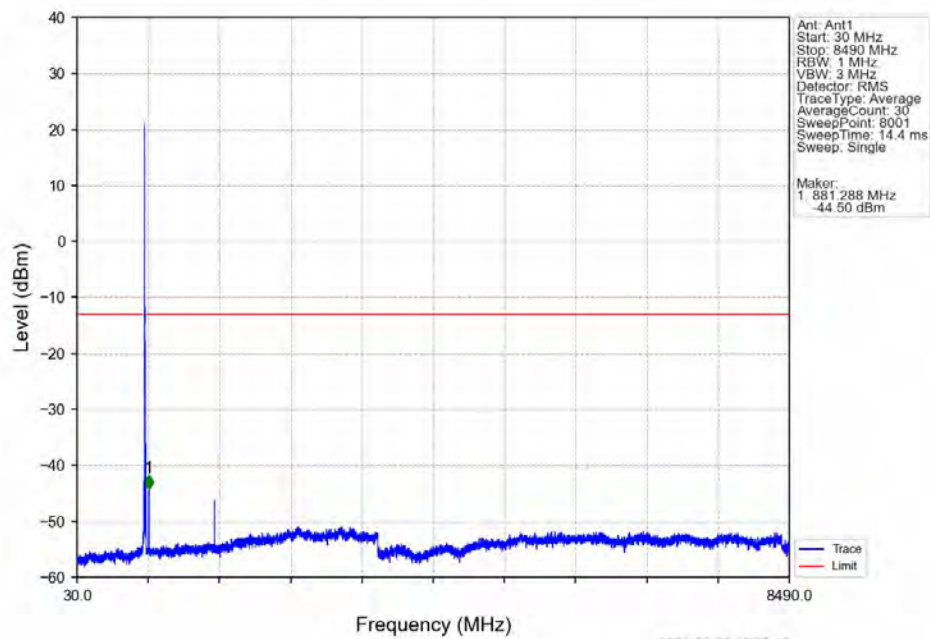


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

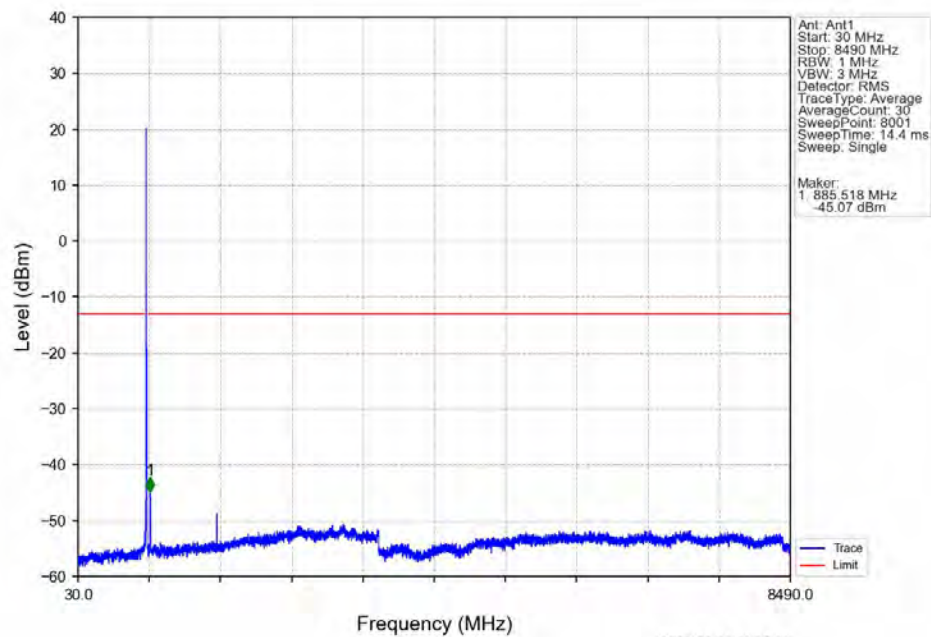


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.360	-36.68	-13	Pass
823	824	0.1	/	2	823.980	-33.73	-13	Pass
824	834	0.1	/	/	/	/	/	/

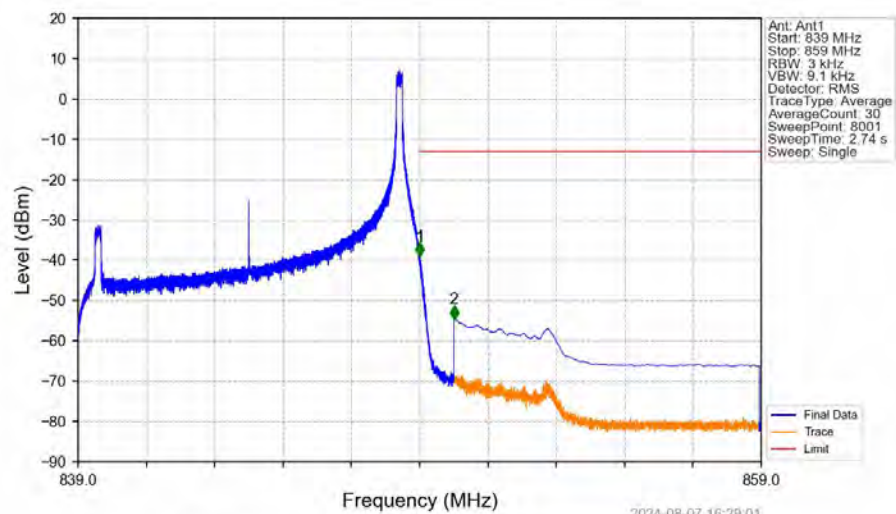
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

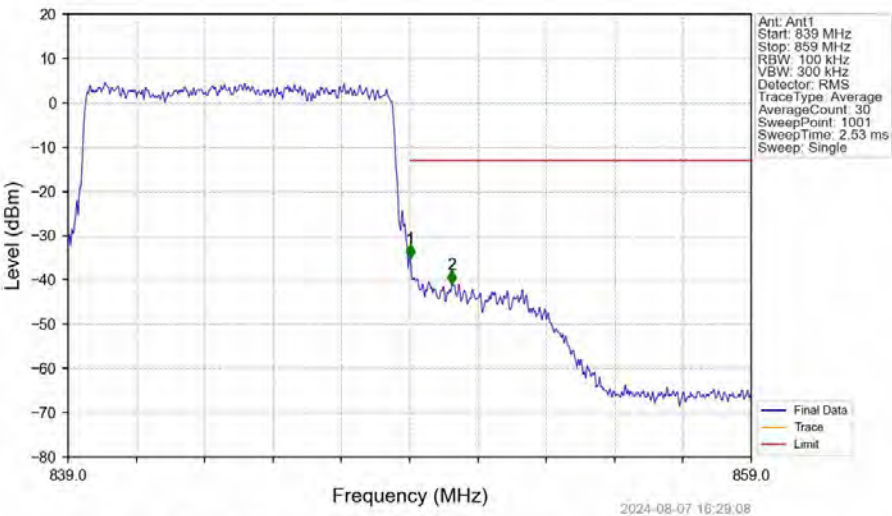


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



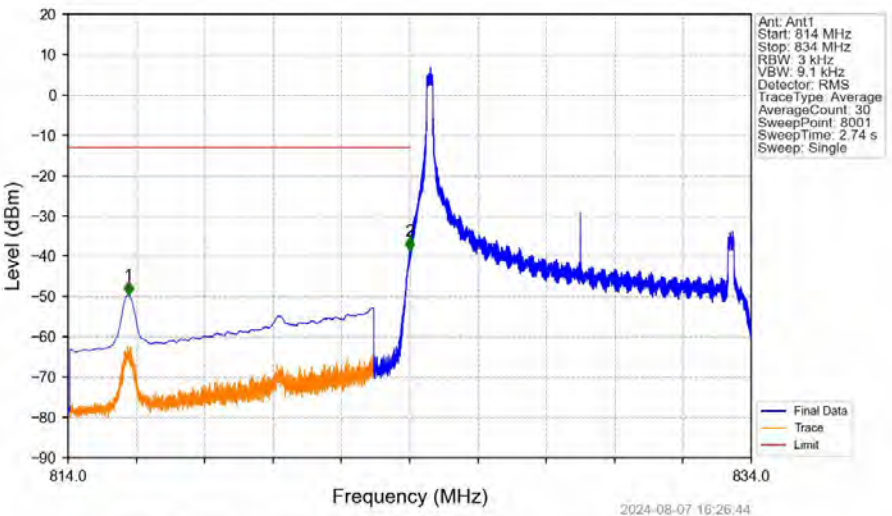
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.010	-39.07	-13	Pass
850	859	0.1	CHP	2	850.008	-54.58	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



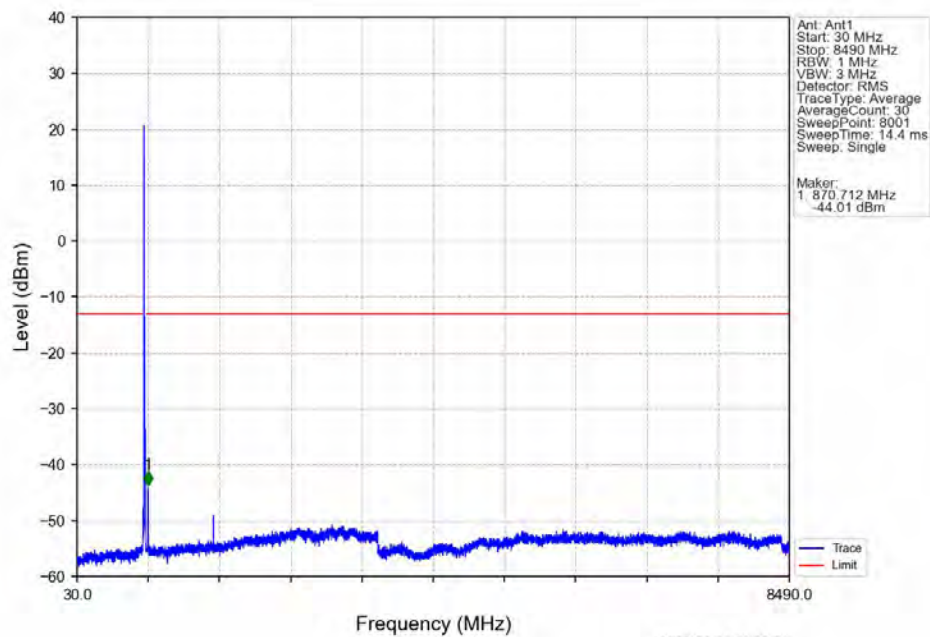
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.020	-35.13	-13	Pass
850	859	0.1	/	2	850.240	-41.00	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

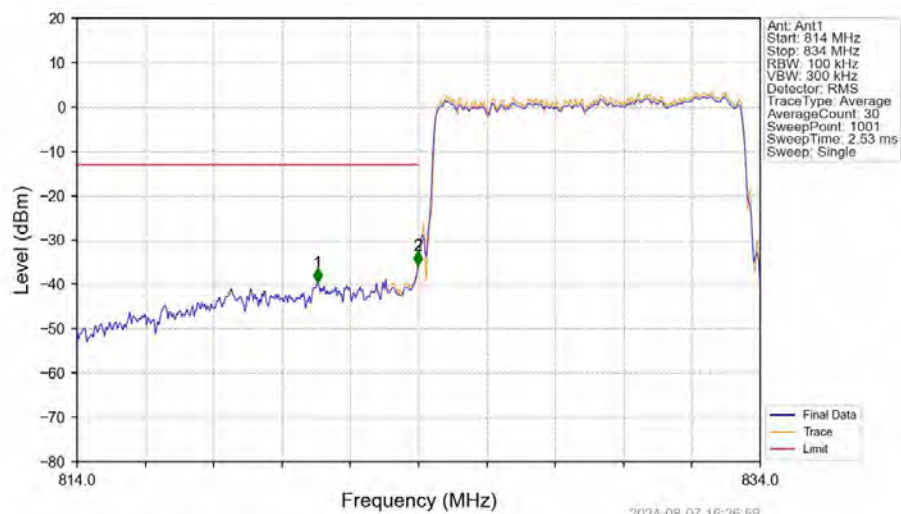


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	815.763	-49.68	-13	Pass
823	824	0.003	/	2	823.995	-38.72	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

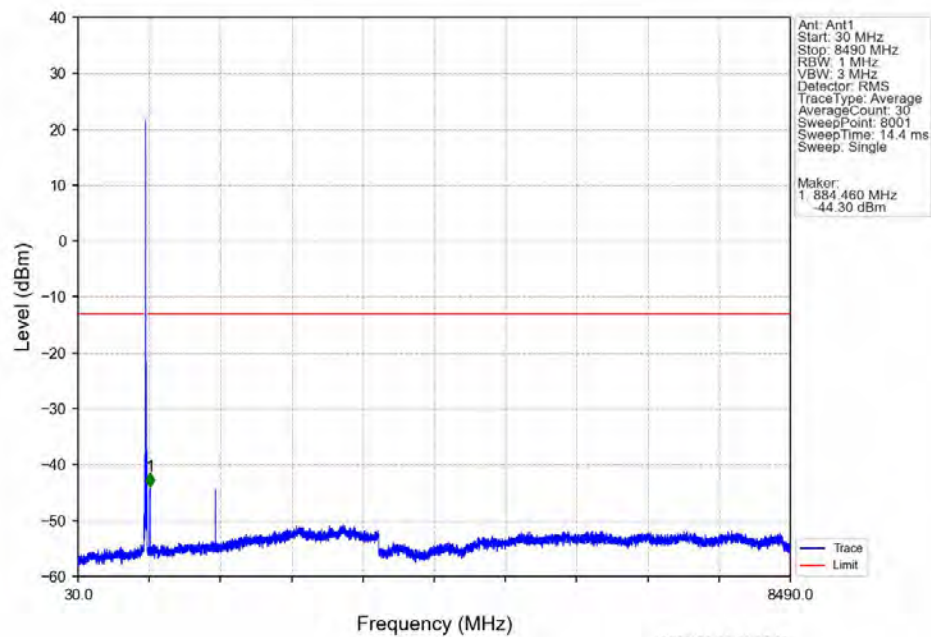


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

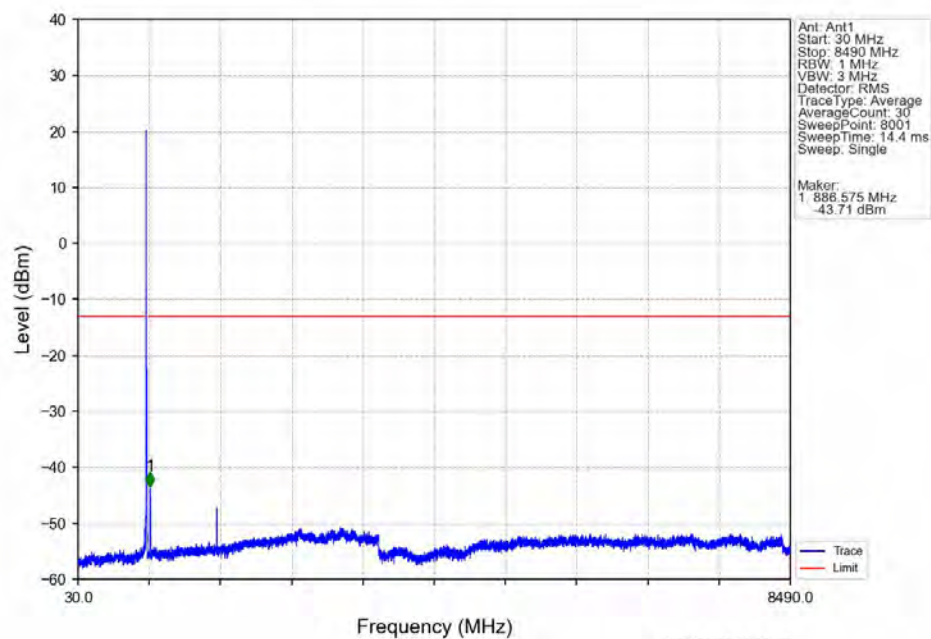


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	821.040	-39.46	-13	Pass
823	824	0.101	CHP	2	823.980	-35.62	-13	Pass
824	834	0.101	CHP	/	/	/	/	/

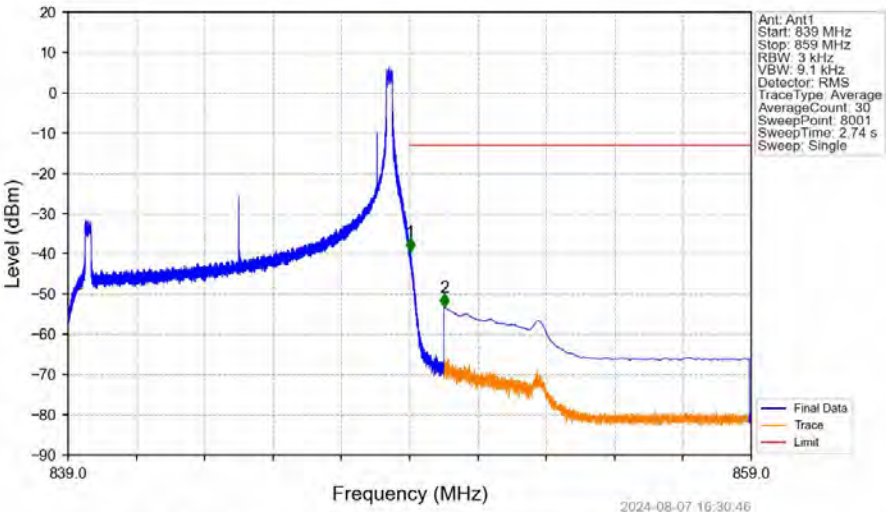
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

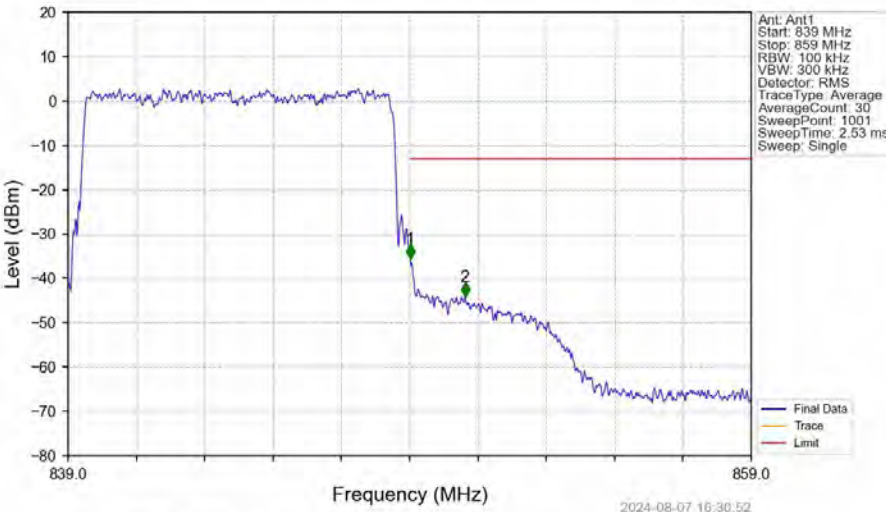


Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.013	-39.36	-13	Pass
850	859	0.1	CHP	2	850.015	-53.32	-13	Pass

Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.020	-35.57	-13	Pass
850	859	0.1	/	2	850.620	-44.08	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.1538	0.0528	ppm	1M12G7D	22H	21.87
5	1.4	824.7	848.3	0.1419	0.0555	ppm	1M12W7D	22H	21.52
5	3	825.5	847.5	0.1542	0.0588	ppm	2M77G7D	22H	21.88
5	3	825.5	847.5	0.1629	0.0389	ppm	2M76W7D	22H	22.12
5	5	826.5	846.5	0.1531	0.0542	ppm	4M55G7D	22H	21.85
5	5	826.5	846.5	0.1396	0.0383	ppm	4M58W7D	22H	21.45
5	10	829	844	0.1556	0.0543	ppm	9M07G7D	22H	21.92
5	10	829	844	0.1429	0.0524	ppm	9M07W7D	22H	21.55

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.0498	0.0528	ppm	1M12G7D	22H	16.97
5	1.4	824.7	848.3	0.0459	0.0555	ppm	1M12W7D	22H	16.62
5	3	825.5	847.5	0.0499	0.0588	ppm	2M77G7D	22H	16.98
5	3	825.5	847.5	0.0527	0.0389	ppm	2M76W7D	22H	17.22
5	5	826.5	846.5	0.0495	0.0542	ppm	4M55G7D	22H	16.95
5	5	826.5	846.5	0.0452	0.0383	ppm	4M58W7D	22H	16.55
5	10	829	844	0.0504	0.0543	ppm	9M07G7D	22H	17.02
5	10	829	844	0.0462	0.0524	ppm	9M07W7D	22H	16.65