

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	21.98	-1.43	18.40	<=38.45	Pass
			2	22.07	-1.43	18.49	<=38.45	Pass
			5	22.13	-1.43	18.55	<=38.45	Pass
		3	0	22.11	-1.43	18.53	<=38.45	Pass
			2	22.01	-1.43	18.43	<=38.45	Pass
			3	22.08	-1.43	18.50	<=38.45	Pass
		6	0	21.14	-1.43	17.56	<=38.45	Pass
	836.5	1	0	21.96	-1.43	18.38	<=38.45	Pass
			2	22.12	-1.43	18.54	<=38.45	Pass
			5	22.03	-1.43	18.45	<=38.45	Pass
		3	0	22.24	-1.43	18.66	<=38.45	Pass
			2	22.15	-1.43	18.57	<=38.45	Pass
			3	22.18	-1.43	18.60	<=38.45	Pass
		6	0	21.11	-1.43	17.53	<=38.45	Pass
	848.3	1	0	21.12	-1.43	17.54	<=38.45	Pass
			2	21.16	-1.43	17.58	<=38.45	Pass
			5	21.11	-1.43	17.53	<=38.45	Pass
		3	0	21.07	-1.43	17.49	<=38.45	Pass
			2	21.17	-1.43	17.59	<=38.45	Pass
			3	21.15	-1.43	17.57	<=38.45	Pass
		6	0	21.14	-1.43	17.56	<=38.45	Pass
16QAM	824.7	1	0	21.78	-1.43	18.20	<=38.45	Pass
			2	21.74	-1.43	18.16	<=38.45	Pass
			5	21.79	-1.43	18.21	<=38.45	Pass
		3	0	21.08	-1.43	17.50	<=38.45	Pass
			2	21.11	-1.43	17.53	<=38.45	Pass
			3	21.09	-1.43	17.51	<=38.45	Pass
		6	0	20.07	-1.43	16.49	<=38.45	Pass
	836.5	1	0	21.71	-1.43	18.13	<=38.45	Pass
			2	21.83	-1.43	18.25	<=38.45	Pass
			5	21.84	-1.43	18.26	<=38.45	Pass
		3	0	21.11	-1.43	17.53	<=38.45	Pass
			2	21.10	-1.43	17.52	<=38.45	Pass
			3	21.04	-1.43	17.46	<=38.45	Pass
		6	0	20.14	-1.43	16.56	<=38.45	Pass
	848.3	1	0	21.13	-1.43	17.55	<=38.45	Pass
			2	21.11	-1.43	17.53	<=38.45	Pass
			5	21.10	-1.43	17.52	<=38.45	Pass
		3	0	21.09	-1.43	17.51	<=38.45	Pass
			2	21.09	-1.43	17.51	<=38.45	Pass
			3	21.08	-1.43	17.50	<=38.45	Pass
		6	0	21.07	-1.43	17.49	<=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	21.99	-1.43	18.41	<=38.45	Pass
			7	21.96	-1.43	18.38	<=38.45	Pass
			14	22.01	-1.43	18.43	<=38.45	Pass
		8	0	21.13	-1.43	17.55	<=38.45	Pass
			4	21.17	-1.43	17.59	<=38.45	Pass
			7	21.22	-1.43	17.64	<=38.45	Pass
		15	0	21.15	-1.43	17.57	<=38.45	Pass
	836.5	1	0	22.11	-1.43	18.53	<=38.45	Pass
			7	22.18	-1.43	18.60	<=38.45	Pass
			14	22.09	-1.43	18.51	<=38.45	Pass
		8	0	21.08	-1.43	17.50	<=38.45	Pass
			4	21.15	-1.43	17.57	<=38.45	Pass
			7	21.20	-1.43	17.62	<=38.45	Pass
		15	0	21.27	-1.43	17.69	<=38.45	Pass
	847.5	1	0	22.16	-1.43	18.58	<=38.45	Pass
			7	22.15	-1.43	18.57	<=38.45	Pass
			14	22.15	-1.43	18.57	<=38.45	Pass
		8	0	21.04	-1.43	17.46	<=38.45	Pass
			4	20.97	-1.43	17.39	<=38.45	Pass
			7	21.13	-1.43	17.55	<=38.45	Pass
		15	0	21.01	-1.43	17.43	<=38.45	Pass
16QAM	825.5	1	0	22.06	-1.43	18.48	<=38.45	Pass
			7	22.03	-1.43	18.45	<=38.45	Pass
			14	21.96	-1.43	18.38	<=38.45	Pass
		8	0	20.34	-1.43	16.76	<=38.45	Pass
			4	20.32	-1.43	16.74	<=38.45	Pass
			7	20.38	-1.43	16.80	<=38.45	Pass
		15	0	20.11	-1.43	16.53	<=38.45	Pass
	836.5	1	0	21.11	-1.43	17.53	<=38.45	Pass
			7	21.24	-1.43	17.66	<=38.45	Pass
			14	21.32	-1.43	17.74	<=38.45	Pass
		8	0	20.27	-1.43	16.69	<=38.45	Pass
			4	20.35	-1.43	16.77	<=38.45	Pass
			7	20.39	-1.43	16.81	<=38.45	Pass
		15	0	20.19	-1.43	16.61	<=38.45	Pass
	847.5	1	0	22.16	-1.43	18.58	<=38.45	Pass
			7	22.09	-1.43	18.51	<=38.45	Pass
			14	22.24	-1.43	18.66	<=38.45	Pass
		8	0	20.16	-1.43	16.58	<=38.45	Pass
			4	20.15	-1.43	16.57	<=38.45	Pass
			7	20.28	-1.43	16.70	<=38.45	Pass
		15	0	20.11	-1.43	16.53	<=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	21.12	-1.43	17.54	<=38.45	Pass
			13	21.05	-1.43	17.47	<=38.45	Pass
			24	21.02	-1.43	17.44	<=38.45	Pass
		12	0	21.01	-1.43	17.43	<=38.45	Pass
			6	21.17	-1.43	17.59	<=38.45	Pass
			13	21.15	-1.43	17.57	<=38.45	Pass

16QAM	836.5	25	0	21.15	-1.43	17.57	<=38.45	Pass
			0	21.19	-1.43	17.61	<=38.45	Pass
			13	21.09	-1.43	17.51	<=38.45	Pass
			24	21.08	-1.43	17.50	<=38.45	Pass
		12	0	21.08	-1.43	17.50	<=38.45	Pass
			6	21.07	-1.43	17.49	<=38.45	Pass
			13	21.06	-1.43	17.48	<=38.45	Pass
			25	21.06	-1.43	17.48	<=38.45	Pass
		1	0	21.11	-1.43	17.53	<=38.45	Pass
			13	21.08	-1.43	17.50	<=38.45	Pass
			24	21.07	-1.43	17.49	<=38.45	Pass
			25	21.06	-1.43	17.48	<=38.45	Pass
	846.5	12	0	21.06	-1.43	17.48	<=38.45	Pass
			6	21.06	-1.43	17.48	<=38.45	Pass
			13	21.06	-1.43	17.48	<=38.45	Pass
			25	21.06	-1.43	17.48	<=38.45	Pass
		1	0	21.14	-1.43	17.56	<=38.45	Pass
			13	21.14	-1.43	17.56	<=38.45	Pass
			24	21.13	-1.43	17.55	<=38.45	Pass
			25	21.13	-1.43	17.55	<=38.45	Pass
		12	0	21.13	-1.43	17.55	<=38.45	Pass
			6	21.13	-1.43	17.55	<=38.45	Pass
			13	21.13	-1.43	17.55	<=38.45	Pass
			25	21.13	-1.43	17.55	<=38.45	Pass
16QAM	826.5	1	0	21.07	-1.43	17.49	<=38.45	Pass
			13	21.22	-1.43	17.64	<=38.45	Pass
			24	21.22	-1.43	17.64	<=38.45	Pass
			25	21.21	-1.43	17.63	<=38.45	Pass
		12	0	21.21	-1.43	17.63	<=38.45	Pass
			6	21.21	-1.43	17.63	<=38.45	Pass
			13	21.21	-1.43	17.63	<=38.45	Pass
			25	21.21	-1.43	17.63	<=38.45	Pass
		1	0	21.05	-1.43	17.47	<=38.45	Pass
			13	21.05	-1.43	17.47	<=38.45	Pass
			24	21.05	-1.43	17.47	<=38.45	Pass
			25	21.05	-1.43	17.47	<=38.45	Pass
	836.5	1	0	21.05	-1.43	17.47	<=38.45	Pass
			13	21.05	-1.43	17.47	<=38.45	Pass
			24	21.05	-1.43	17.47	<=38.45	Pass
			25	21.05	-1.43	17.47	<=38.45	Pass
		12	0	21.05	-1.43	17.47	<=38.45	Pass
			6	21.05	-1.43	17.47	<=38.45	Pass
			13	21.05	-1.43	17.47	<=38.45	Pass
			25	21.05	-1.43	17.47	<=38.45	Pass
		1	0	21.05	-1.43	17.47	<=38.45	Pass
			13	21.05	-1.43	17.47	<=38.45	Pass
			24	21.05	-1.43	17.47	<=38.45	Pass
			25	21.05	-1.43	17.47	<=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	21.91	-1.43	18.33	<=38.45	Pass
			25	21.97	-1.43	18.39	<=38.45	Pass
			49	22.08	-1.43	18.50	<=38.45	Pass
		25	0	21.22	-1.43	17.64	<=38.45	Pass
			13	21.21	-1.43	17.63	<=38.45	Pass
			25	21.15	-1.43	17.57	<=38.45	Pass
		50	0	21.18	-1.43	17.60	<=38.45	Pass
			0	22.03	-1.43	18.45	<=38.45	Pass
	836.5	1	25	22.16	-1.43	18.58	<=38.45	Pass
			49	22.13	-1.43	18.55	<=38.45	Pass
			0	21.15	-1.43	17.57	<=38.45	Pass
		25	13	21.13	-1.43	17.55	<=38.45	Pass
			25	21.09	-1.43	17.51	<=38.45	Pass
			0	21.20	-1.43	17.62	<=38.45	Pass
		50	0	21.20	-1.43	17.62	<=38.45	Pass
			0	21.20	-1.43	17.62	<=38.45	Pass

16QAM	844	1	0	22.06	-1.43	18.48	<=38.45	Pass
			25	22.04	-1.43	18.46	<=38.45	Pass
			49	22.07	-1.43	18.49	<=38.45	Pass
		25	0	20.95	-1.43	17.37	<=38.45	Pass
			13	20.98	-1.43	17.40	<=38.45	Pass
			25	20.98	-1.43	17.40	<=38.45	Pass
		50	0	21.14	-1.43	17.56	<=38.45	Pass
			0	21.74	-1.43	18.16	<=38.45	Pass
			25	21.85	-1.43	18.27	<=38.45	Pass
	829	1	49	21.80	-1.43	18.22	<=38.45	Pass
			0	20.12	-1.43	16.54	<=38.45	Pass
			13	20.05	-1.43	16.47	<=38.45	Pass
		25	25	20.17	-1.43	16.59	<=38.45	Pass
			0	20.11	-1.43	16.53	<=38.45	Pass
			0	21.12	-1.43	17.54	<=38.45	Pass
		1	25	21.20	-1.43	17.62	<=38.45	Pass
			49	21.18	-1.43	17.60	<=38.45	Pass
			0	20.26	-1.43	16.68	<=38.45	Pass
	836.5	25	13	20.32	-1.43	16.74	<=38.45	Pass
			25	20.31	-1.43	16.73	<=38.45	Pass
			0	20.16	-1.43	16.58	<=38.45	Pass
		50	0	22.35	-1.43	18.77	<=38.45	Pass
			25	22.29	-1.43	18.71	<=38.45	Pass
			49	22.36	-1.43	18.78	<=38.45	Pass
		1	0	20.09	-1.43	16.51	<=38.45	Pass
			13	20.17	-1.43	16.59	<=38.45	Pass
			25	20.14	-1.43	16.56	<=38.45	Pass
	844	50	0	20.13	-1.43	16.55	<=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	30.084	0.0365	-2.5 to 2.5	Pass
					3.85	32.787	0.0398	-2.5 to 2.5	Pass
					4.43	25.663	0.0311	-2.5 to 2.5	Pass
				-30	3.85	13.833	0.0168	-2.5 to 2.5	Pass
				-20	3.85	4.177	0.0051	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-14.634	-0.0177	-2.5 to 2.5	Pass
				10	3.85	-22.645	-0.0275	-2.5 to 2.5	Pass
				30	3.85	-27.237	-0.0330	-2.5 to 2.5	Pass
				40	3.85	-32.115	-0.0389	-2.5 to 2.5	Pass
				50	3.85	-34.332	-0.0416	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-37.251	-0.0445	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
					4.43	-11.215	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-44.117	-0.0527	-2.5 to 2.5	Pass
				-20	3.85	-30.842	-0.0369	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0071	-2.5 to 2.5	Pass

				0	3.85	-20.142	-0.0241	-2.5 to 2.5	Pass
				10	3.85	-25.735	-0.0308	-2.5 to 2.5	Pass
				30	3.85	-28.553	-0.0341	-2.5 to 2.5	Pass
				40	3.85	-30.112	-0.0360	-2.5 to 2.5	Pass
				50	3.85	-16.336	-0.0195	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-17.180	-0.0203	-2.5 to 2.5	Pass
					3.85	-22.173	-0.0261	-2.5 to 2.5	Pass
					4.43	-22.602	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-29.540	-0.0348	-2.5 to 2.5	Pass
				-10	3.85	2.346	0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-44.518	-0.0525	-2.5 to 2.5	Pass
				30	3.85	-38.452	-0.0453	-2.5 to 2.5	Pass
				40	3.85	-26.536	-0.0313	-2.5 to 2.5	Pass
				50	3.85	-9.770	-0.0115	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-37.351	-0.0453	-2.5 to 2.5	Pass
					3.85	-30.041	-0.0364	-2.5 to 2.5	Pass
					4.43	-22.345	-0.0271	-2.5 to 2.5	Pass
				-30	3.85	-14.548	-0.0176	-2.5 to 2.5	Pass
				-20	3.85	-10.500	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				0	3.85	5.193	0.0063	-2.5 to 2.5	Pass
				10	3.85	8.440	0.0102	-2.5 to 2.5	Pass
				30	3.85	15.550	0.0189	-2.5 to 2.5	Pass
				40	3.85	18.110	0.0220	-2.5 to 2.5	Pass
				50	3.85	16.794	0.0204	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	0.401	0.0005	-2.5 to 2.5	Pass
					3.85	-21.958	-0.0262	-2.5 to 2.5	Pass
					4.43	3.247	0.0039	-2.5 to 2.5	Pass
				-30	3.85	-17.610	-0.0211	-2.5 to 2.5	Pass
				-20	3.85	-37.150	-0.0444	-2.5 to 2.5	Pass
				-10	3.85	-12.674	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-28.081	-0.0336	-2.5 to 2.5	Pass
				10	3.85	-43.788	-0.0523	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-20.213	-0.0242	-2.5 to 2.5	Pass
				50	3.85	-36.020	-0.0431	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-33.660	-0.0397	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0037	-2.5 to 2.5	Pass
					4.43	-19.183	-0.0226	-2.5 to 2.5	Pass
				-30	3.85	-36.263	-0.0427	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-8.798	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-17.381	-0.0205	-2.5 to 2.5	Pass
				10	3.85	-30.971	-0.0365	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				40	3.85	-9.913	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-23.174	-0.0273	-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	-2.031	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0023	-2.5 to 2.5	Pass

16QAM					4.43	-10.400	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-11.444	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-11.415	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-35.648	-0.0432	-2.5 to 2.5	Pass
				0	3.85	-31.314	-0.0379	-2.5 to 2.5	Pass
				10	3.85	-11.086	-0.0134	-2.5 to 2.5	Pass
				30	3.85	-37.007	-0.0448	-2.5 to 2.5	Pass
				40	3.85	-7.138	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-27.294	-0.0331	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	12.403	0.0148	-2.5 to 2.5	Pass
					3.85	4.778	0.0057	-2.5 to 2.5	Pass
					4.43	-10.428	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-26.021	-0.0311	-2.5 to 2.5	Pass
				-20	3.85	-40.584	-0.0485	-2.5 to 2.5	Pass
				-10	3.85	-7.997	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-20.156	-0.0241	-2.5 to 2.5	Pass
				10	3.85	-33.832	-0.0404	-2.5 to 2.5	Pass
				30	3.85	-29.626	-0.0354	-2.5 to 2.5	Pass
				40	3.85	-9.155	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-20.642	-0.0247	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	9.913	0.0117	-2.5 to 2.5	Pass
					3.85	-4.263	-0.0050	-2.5 to 2.5	Pass
					4.43	-23.031	-0.0272	-2.5 to 2.5	Pass
				-30	3.85	-36.936	-0.0436	-2.5 to 2.5	Pass
				-20	3.85	-7.124	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-18.697	-0.0221	-2.5 to 2.5	Pass
				0	3.85	-26.135	-0.0308	-2.5 to 2.5	Pass
				10	3.85	-32.401	-0.0382	-2.5 to 2.5	Pass
				30	3.85	-38.738	-0.0457	-2.5 to 2.5	Pass
				40	3.85	4.978	0.0059	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
	825.5	15	0	20	3.27	-38.509	-0.0466	-2.5 to 2.5	Pass
					3.85	-44.718	-0.0542	-2.5 to 2.5	Pass
					4.43	1.731	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-6.995	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-14.791	-0.0179	-2.5 to 2.5	Pass
				10	3.85	-20.142	-0.0244	-2.5 to 2.5	Pass
				30	3.85	-27.423	-0.0332	-2.5 to 2.5	Pass
				40	3.85	-32.215	-0.0390	-2.5 to 2.5	Pass
				50	3.85	-40.884	-0.0495	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-30.842	-0.0369	-2.5 to 2.5	Pass
					3.85	-32.659	-0.0390	-2.5 to 2.5	Pass
					4.43	-32.558	-0.0389	-2.5 to 2.5	Pass
				-30	3.85	-32.916	-0.0393	-2.5 to 2.5	Pass
				-20	3.85	-28.381	-0.0339	-2.5 to 2.5	Pass
				-10	3.85	-28.939	-0.0346	-2.5 to 2.5	Pass
				0	3.85	-32.516	-0.0389	-2.5 to 2.5	Pass
				10	3.85	-34.404	-0.0411	-2.5 to 2.5	Pass
				30	3.85	-36.421	-0.0435	-2.5 to 2.5	Pass
				40	3.85	-35.748	-0.0427	-2.5 to 2.5	Pass
				50	3.85	-34.504	-0.0412	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-10.386	-0.0123	-2.5 to 2.5	Pass
					3.85	-9.313	-0.0110	-2.5 to 2.5	Pass
					4.43	-7.439	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass

				0	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				10	3.85	15.650	0.0185	-2.5 to 2.5	Pass
				30	3.85	30.985	0.0366	-2.5 to 2.5	Pass
				40	3.85	43.359	0.0512	-2.5 to 2.5	Pass
				50	3.85	9.627	0.0114	-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	-0.372	-0.0005	-2.5 to 2.5	Pass
					3.85	-26.965	-0.0326	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-38.881	-0.0470	-2.5 to 2.5	Pass
				-20	3.85	-11.816	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-31.786	-0.0385	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-18.582	-0.0225	-2.5 to 2.5	Pass
				30	3.85	-32.015	-0.0387	-2.5 to 2.5	Pass
				40	3.85	-43.144	-0.0522	-2.5 to 2.5	Pass
				50	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-10.614	-0.0127	-2.5 to 2.5	Pass
					3.85	-32.701	-0.0391	-2.5 to 2.5	Pass
					4.43	-18.911	-0.0226	-2.5 to 2.5	Pass
				-30	3.85	-15.521	-0.0186	-2.5 to 2.5	Pass
				-20	3.85	-29.426	-0.0352	-2.5 to 2.5	Pass
				-10	3.85	-11.945	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-39.282	-0.0470	-2.5 to 2.5	Pass
				10	3.85	-12.989	-0.0155	-2.5 to 2.5	Pass
				30	3.85	-30.785	-0.0368	-2.5 to 2.5	Pass
				40	3.85	-12.159	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-7.396	-0.0088	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	3.433	0.0041	-2.5 to 2.5	Pass
					3.85	-4.134	-0.0049	-2.5 to 2.5	Pass
					4.43	-8.941	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-15.249	-0.0180	-2.5 to 2.5	Pass
				-20	3.85	-15.564	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-17.967	-0.0212	-2.5 to 2.5	Pass
				0	3.85	-18.597	-0.0220	-2.5 to 2.5	Pass
				10	3.85	-17.724	-0.0209	-2.5 to 2.5	Pass
				30	3.85	-20.571	-0.0243	-2.5 to 2.5	Pass
				40	3.85	-22.731	-0.0269	-2.5 to 2.5	Pass
				50	3.85	-26.336	-0.0311	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-9.141	-0.0111	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
					4.43	-0.844	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				-10	3.85	2.575	0.0031	-2.5 to 2.5	Pass
				0	3.85	-25.134	-0.0304	-2.5 to 2.5	Pass
				10	3.85	-34.575	-0.0418	-2.5 to 2.5	Pass
				30	3.85	-20.413	-0.0247	-2.5 to 2.5	Pass
				40	3.85	-25.892	-0.0313	-2.5 to 2.5	Pass
				50	3.85	-29.354	-0.0355	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-19.097	-0.0228	-2.5 to 2.5	Pass
					3.85	-28.639	-0.0342	-2.5 to 2.5	Pass

					4.43	-34.060	-0.0407	-2.5 to 2.5	Pass
				-30	3.85	-38.967	-0.0466	-2.5 to 2.5	Pass
				-20	3.85	-43.674	-0.0522	-2.5 to 2.5	Pass
				-10	3.85	-46.649	-0.0558	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-7.410	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-11.601	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-15.950	-0.0191	-2.5 to 2.5	Pass
				50	3.85	-17.152	-0.0205	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-25.764	-0.0304	-2.5 to 2.5	Pass
					3.85	-26.636	-0.0315	-2.5 to 2.5	Pass
					4.43	-25.592	-0.0302	-2.5 to 2.5	Pass
				-30	3.85	-28.110	-0.0332	-2.5 to 2.5	Pass
				-20	3.85	-27.909	-0.0330	-2.5 to 2.5	Pass
				-10	3.85	-26.751	-0.0316	-2.5 to 2.5	Pass
				0	3.85	-27.952	-0.0330	-2.5 to 2.5	Pass
				10	3.85	-28.167	-0.0333	-2.5 to 2.5	Pass
				30	3.85	-29.125	-0.0344	-2.5 to 2.5	Pass
				40	3.85	-30.813	-0.0364	-2.5 to 2.5	Pass
				50	3.85	-31.786	-0.0375	-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	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.85	-15.492	-0.0187	-2.5 to 2.5	Pass
					4.43	-25.592	-0.0309	-2.5 to 2.5	Pass
				-30	3.85	-36.635	-0.0442	-2.5 to 2.5	Pass
				-20	3.85	-44.603	-0.0538	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-11.015	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-13.847	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-16.851	-0.0203	-2.5 to 2.5	Pass
				50	3.85	-22.001	-0.0265	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	5.407	0.0065	-2.5 to 2.5	Pass
					3.85	2.446	0.0029	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.951	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-10.672	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-12.031	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-14.305	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-14.305	-0.0171	-2.5 to 2.5	Pass
				40	3.85	-13.690	-0.0164	-2.5 to 2.5	Pass
				50	3.85	-15.764	-0.0188	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-3.405	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-7.896	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-10.614	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-9.971	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-11.401	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-11.430	-0.0135	-2.5 to 2.5	Pass

16QAM	829	50	0	40	3.85	-12.774	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-13.404	-0.0159	-2.5 to 2.5	Pass
				20	3.27	-22.588	-0.0272	-2.5 to 2.5	Pass
					3.85	-22.860	-0.0276	-2.5 to 2.5	Pass
					4.43	-23.618	-0.0285	-2.5 to 2.5	Pass
				-30	3.85	-24.319	-0.0293	-2.5 to 2.5	Pass
				-20	3.85	-23.317	-0.0281	-2.5 to 2.5	Pass
				-10	3.85	-23.746	-0.0286	-2.5 to 2.5	Pass
				0	3.85	-25.406	-0.0306	-2.5 to 2.5	Pass
				10	3.85	-25.048	-0.0302	-2.5 to 2.5	Pass
	30	3.85	-26.093	-0.0315	-2.5 to 2.5	Pass			
	40	3.85	-27.938	-0.0337	-2.5 to 2.5	Pass			
	50	3.85	-27.294	-0.0329	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-14.963	-0.0179	-2.5 to 2.5	Pass
					3.85	-15.049	-0.0180	-2.5 to 2.5	Pass
					4.43	-15.593	-0.0186	-2.5 to 2.5	Pass
				-30	3.85	-13.289	-0.0159	-2.5 to 2.5	Pass
				-20	3.85	-15.550	-0.0186	-2.5 to 2.5	Pass
				-10	3.85	-13.518	-0.0162	-2.5 to 2.5	Pass
				0	3.85	-13.032	-0.0156	-2.5 to 2.5	Pass
				10	3.85	-14.806	-0.0177	-2.5 to 2.5	Pass
				30	3.85	-13.790	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-13.418	-0.0160	-2.5 to 2.5	Pass
	50	3.85	-13.075	-0.0156	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-13.676	-0.0162	-2.5 to 2.5	Pass
					3.85	-12.360	-0.0146	-2.5 to 2.5	Pass
					4.43	-13.490	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-12.531	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-13.146	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-13.905	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-14.548	-0.0172	-2.5 to 2.5	Pass
				10	3.85	-13.347	-0.0158	-2.5 to 2.5	Pass
				30	3.85	-12.660	-0.0150	-2.5 to 2.5	Pass
				40	3.85	-13.862	-0.0164	-2.5 to 2.5	Pass
	50	3.85	-13.189	-0.0156	-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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.1.3 B5_5MHz

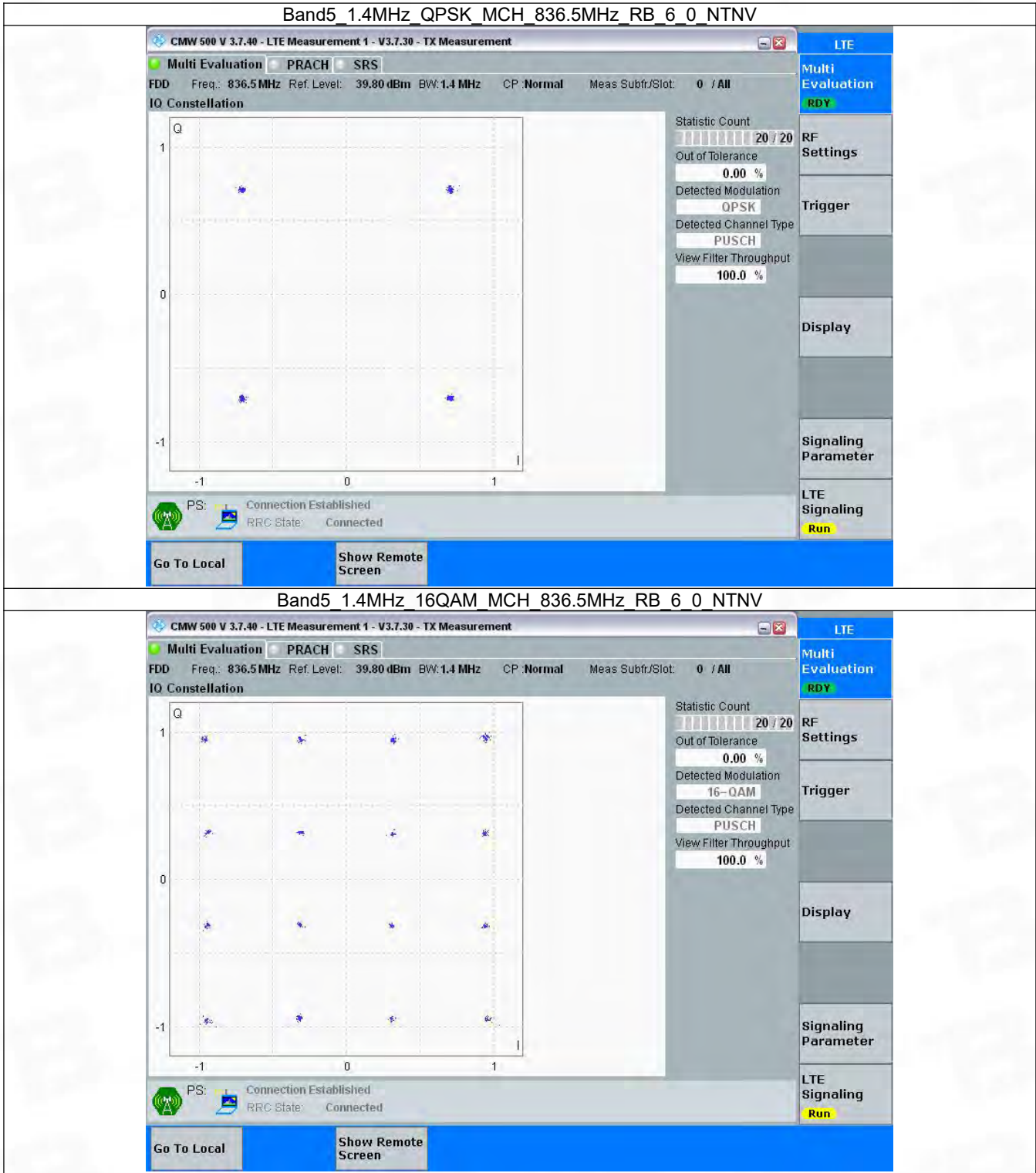
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

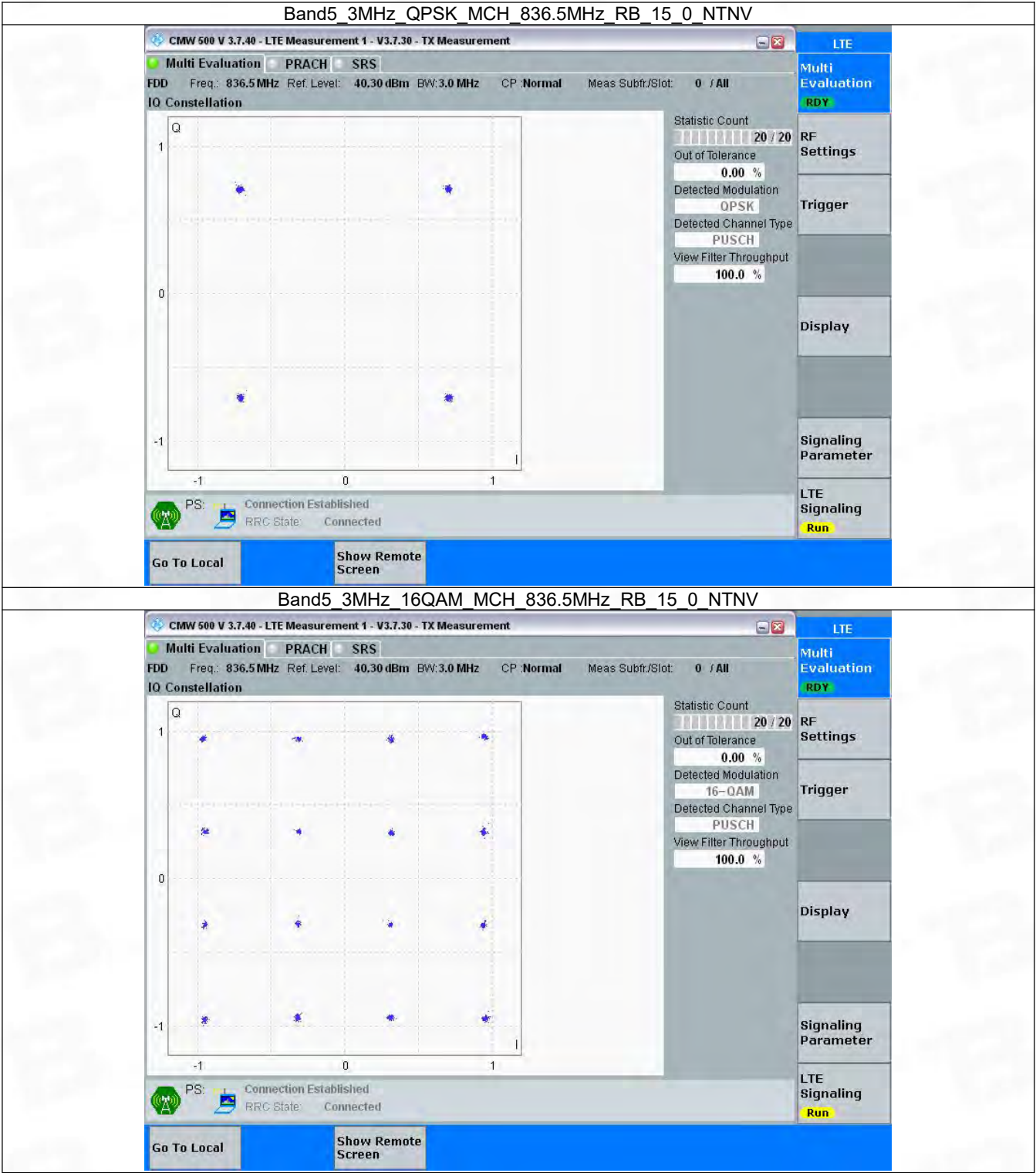
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

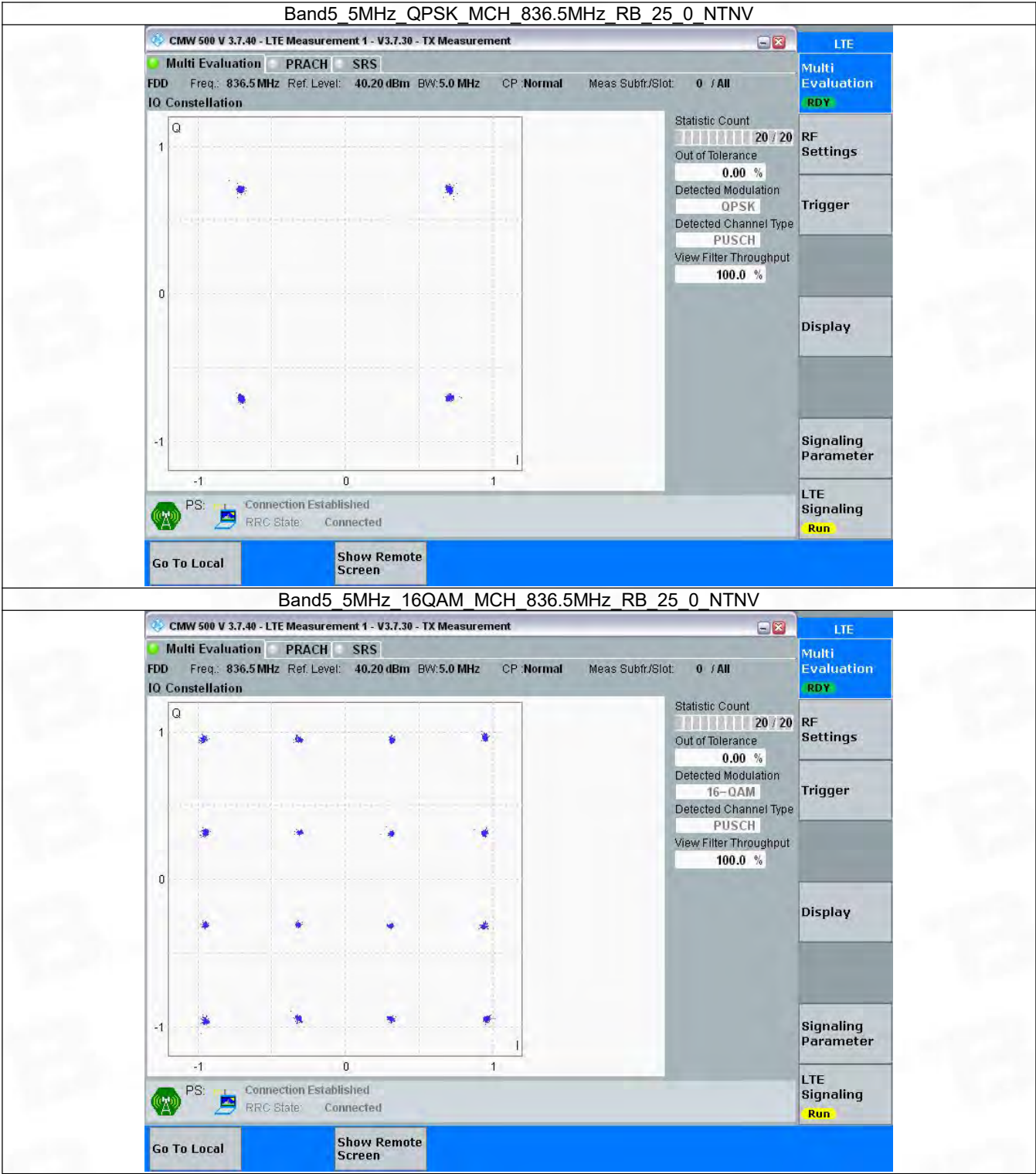
3.2.1 B5_1.4MHz



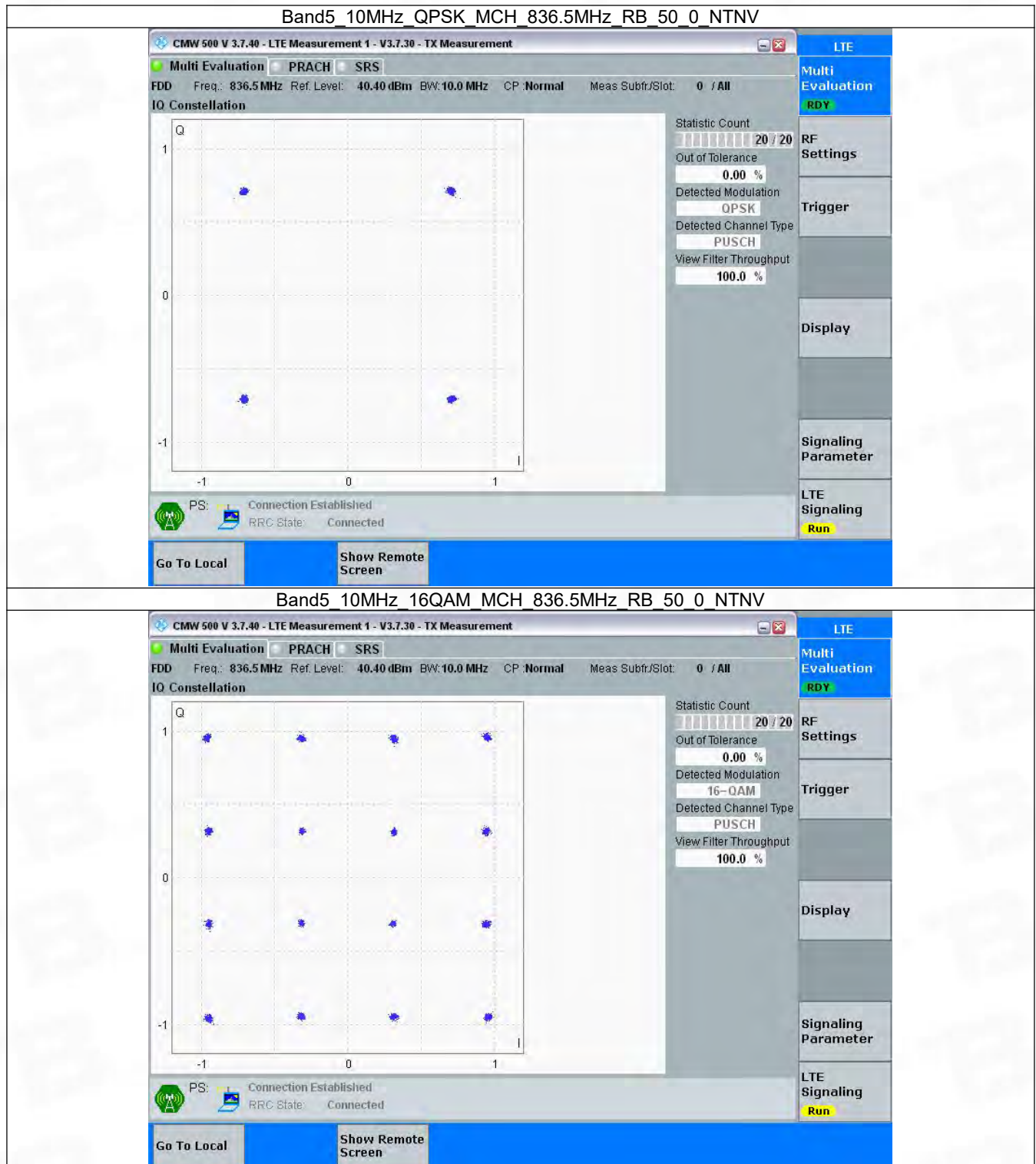
3.2.2 B5_3MHz



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	1.115	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.121	/	Pass
	16QAM	824.7	6	0	1.120	/	Pass
		836.5	6	0	1.107	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.754	/	Pass
		836.5	15	0	2.754	/	Pass
		847.5	15	0	2.756	/	Pass
	16QAM	825.5	15	0	2.755	/	Pass
		836.5	15	0	2.747	/	Pass
		847.5	15	0	2.770	/	Pass
5	QPSK	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.554	/	Pass
		846.5	25	0	4.552	/	Pass
	16QAM	826.5	25	0	4.597	/	Pass
		836.5	25	0	4.570	/	Pass
		846.5	25	0	4.540	/	Pass
10	QPSK	829	50	0	9.053	/	Pass
		836.5	50	0	9.047	/	Pass
		844	50	0	9.032	/	Pass
	16QAM	829	50	0	9.043	/	Pass
		836.5	50	0	9.097	/	Pass
		844	50	0	9.043	/	Pass

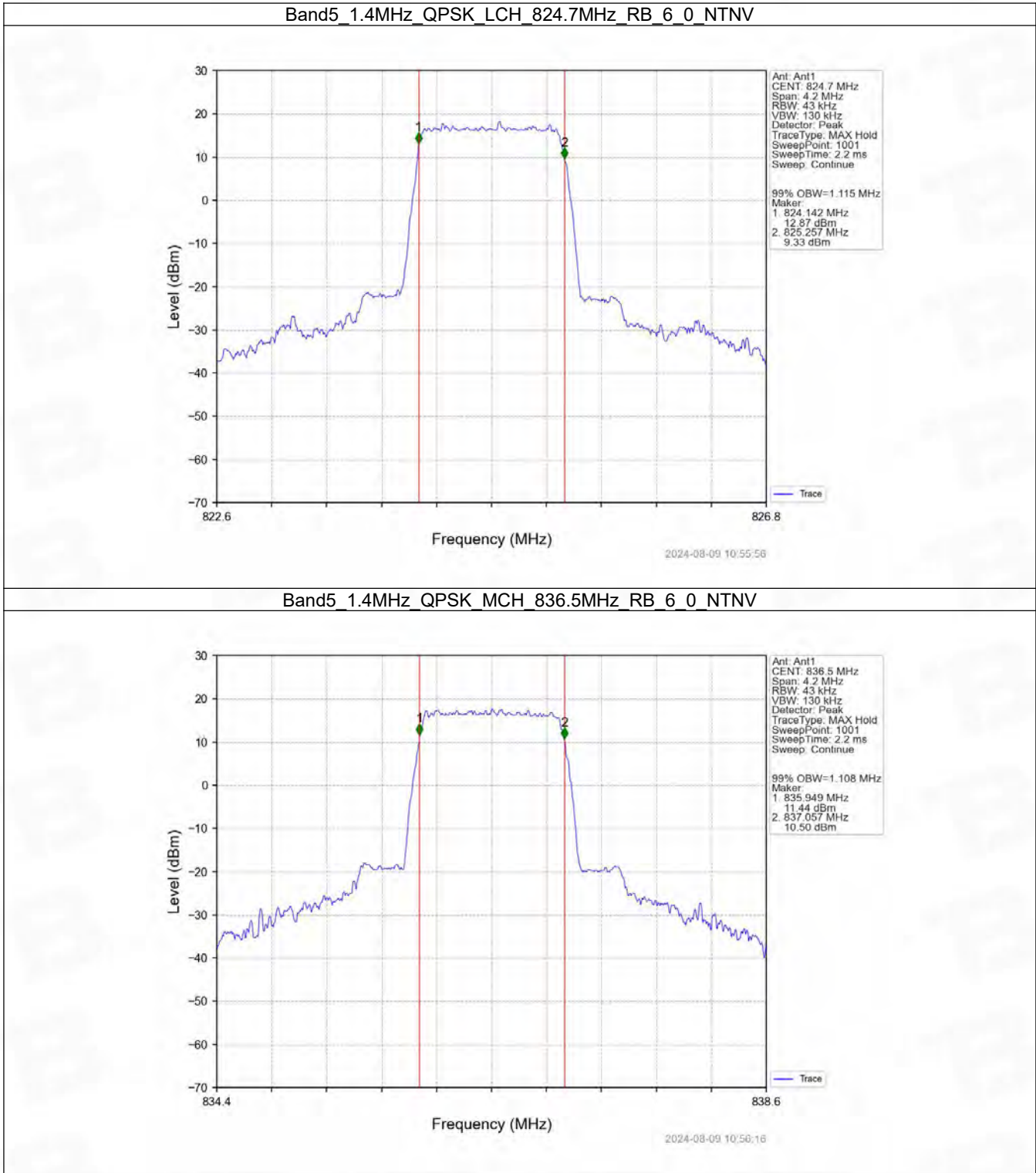
4.1.2 Band5_XDB

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	1.268	/	Pass
		836.5	6	0	1.275	/	Pass
		848.3	6	0	1.272	/	Pass
	16QAM	824.7	6	0	1.268	/	Pass
		836.5	6	0	1.270	/	Pass
		848.3	6	0	1.276	/	Pass
3	QPSK	825.5	15	0	3.094	/	Pass
		836.5	15	0	3.121	/	Pass
		847.5	15	0	3.115	/	Pass
	16QAM	825.5	15	0	3.104	/	Pass
		836.5	15	0	3.109	/	Pass
		847.5	15	0	3.108	/	Pass
5	QPSK	826.5	25	0	5.082	/	Pass
		836.5	25	0	5.084	/	Pass
		846.5	25	0	5.042	/	Pass

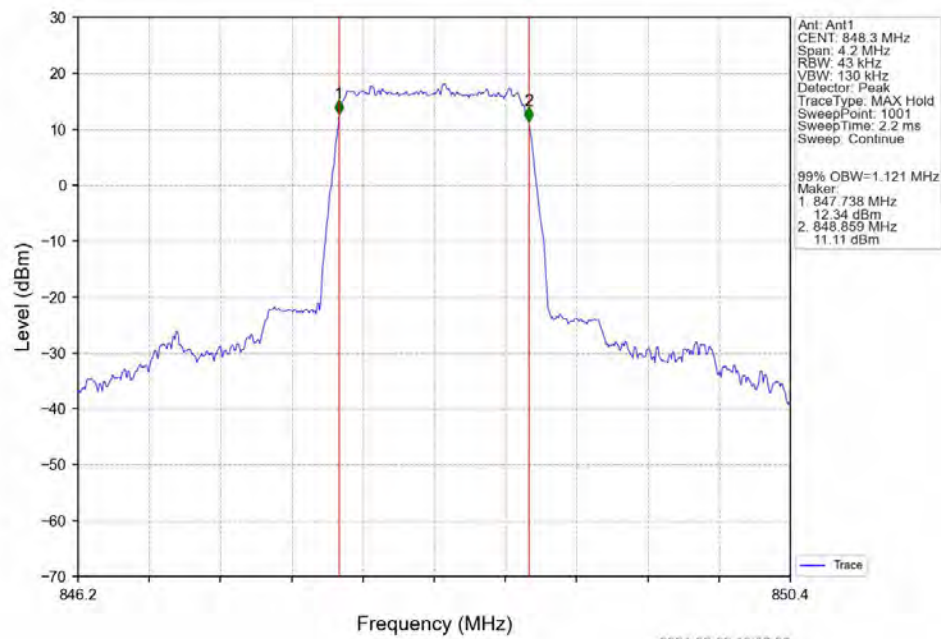
10	16QAM	826.5	25	0	5.078	/	Pass
		836.5	25	0	5.068	/	Pass
		846.5	25	0	5.067	/	Pass
	QPSK	829	50	0	10.063	/	Pass
		836.5	50	0	10.040	/	Pass
		844	50	0	9.967	/	Pass
	16QAM	829	50	0	10.019	/	Pass
		836.5	50	0	10.068	/	Pass
		844	50	0	10.050	/	Pass

4.2 Test Graph

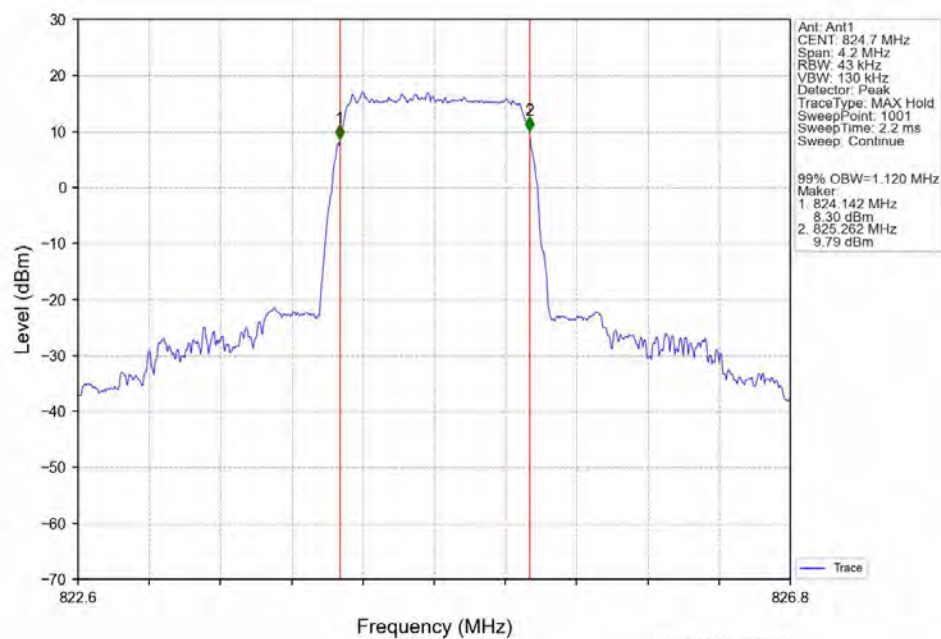
4.2.1 Band5_OBW



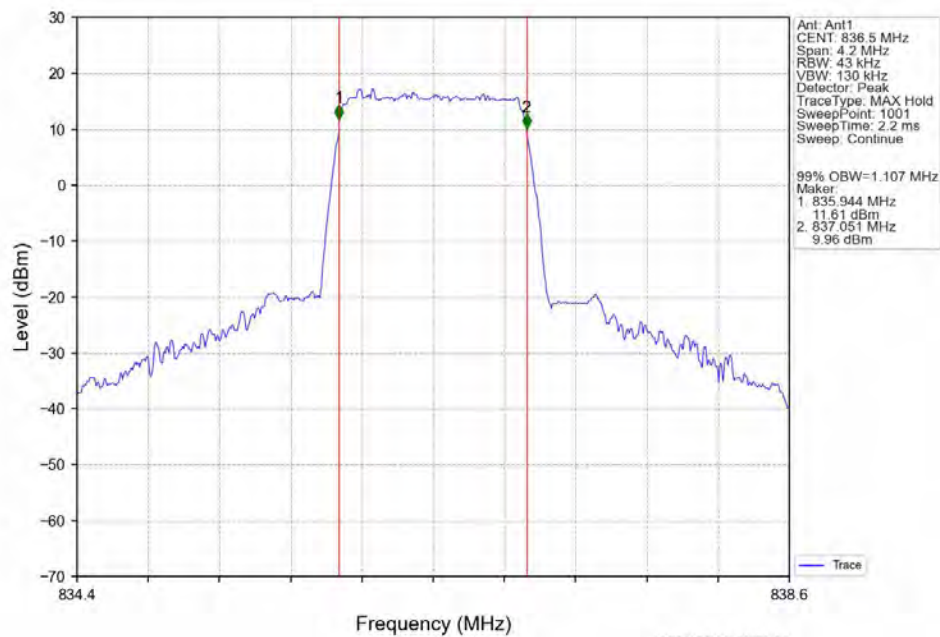
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



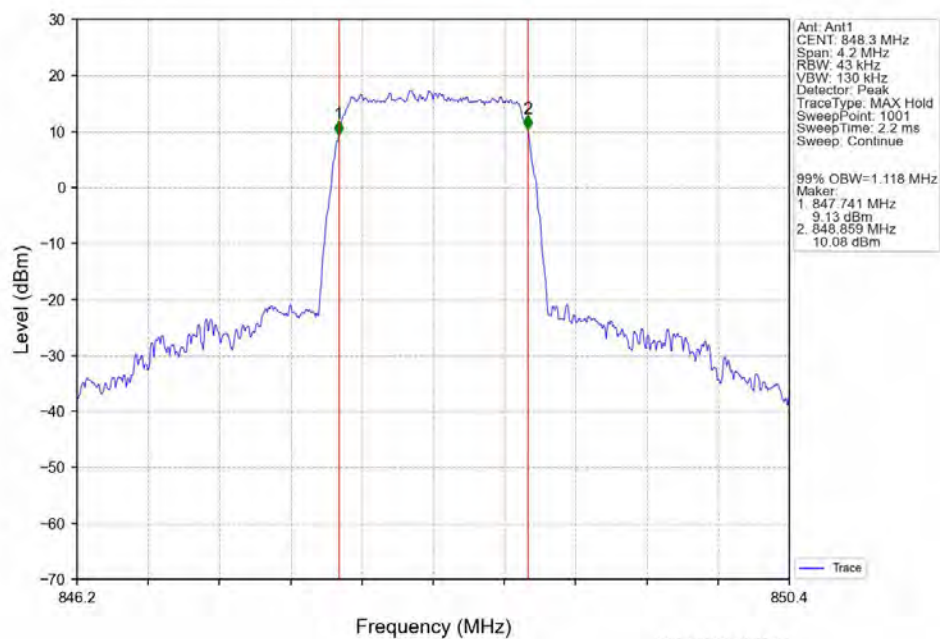
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



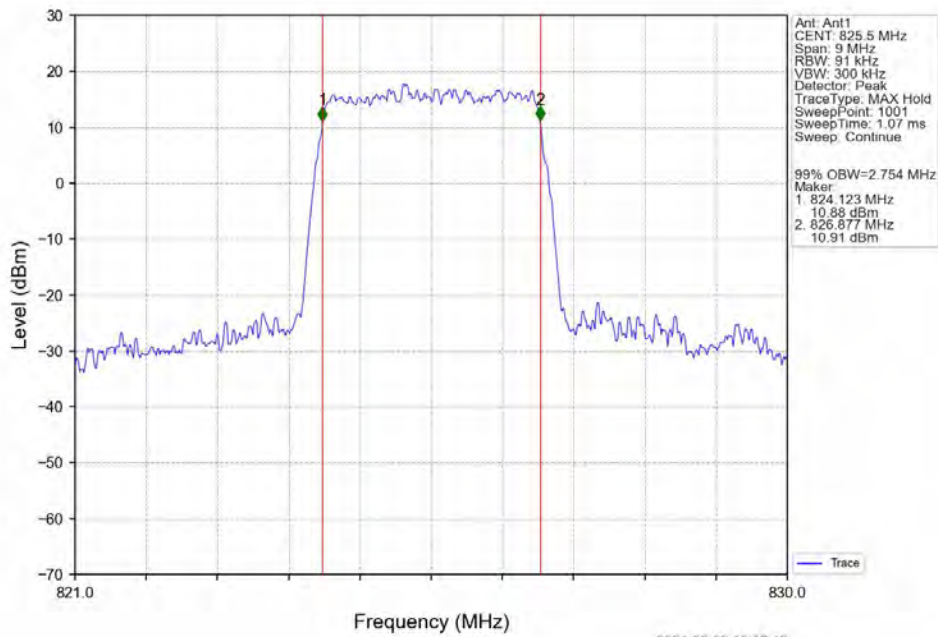
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



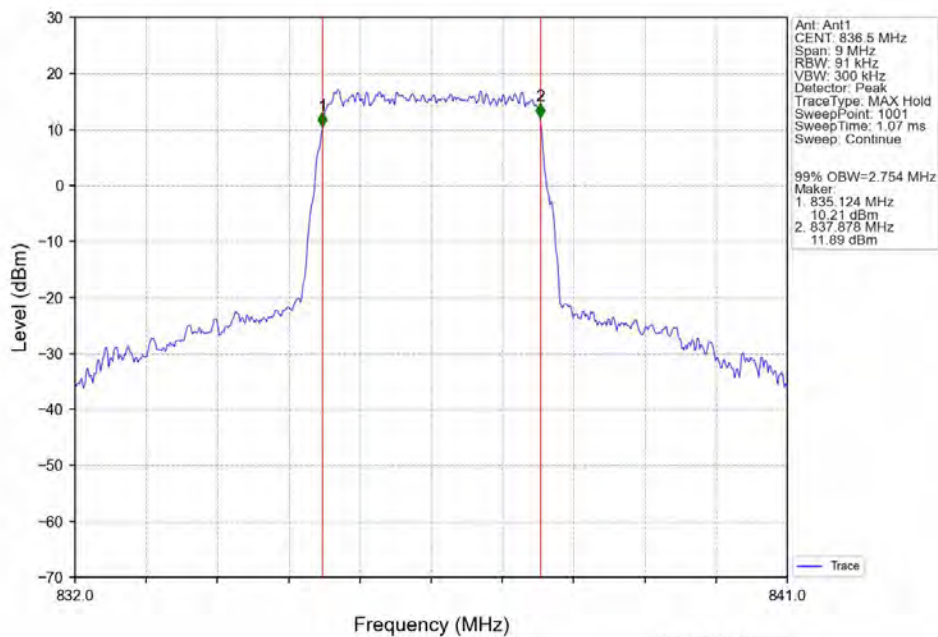
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



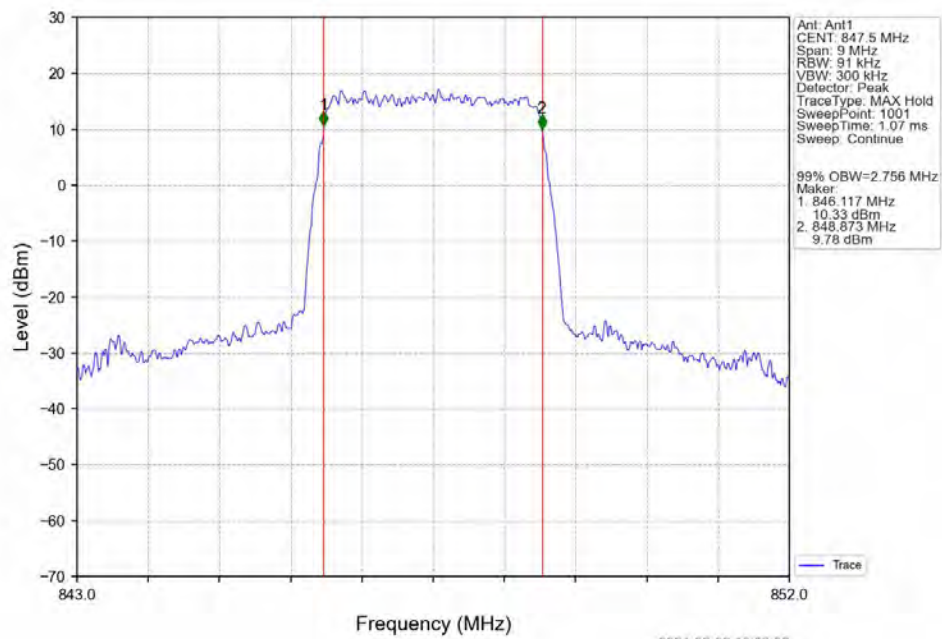
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



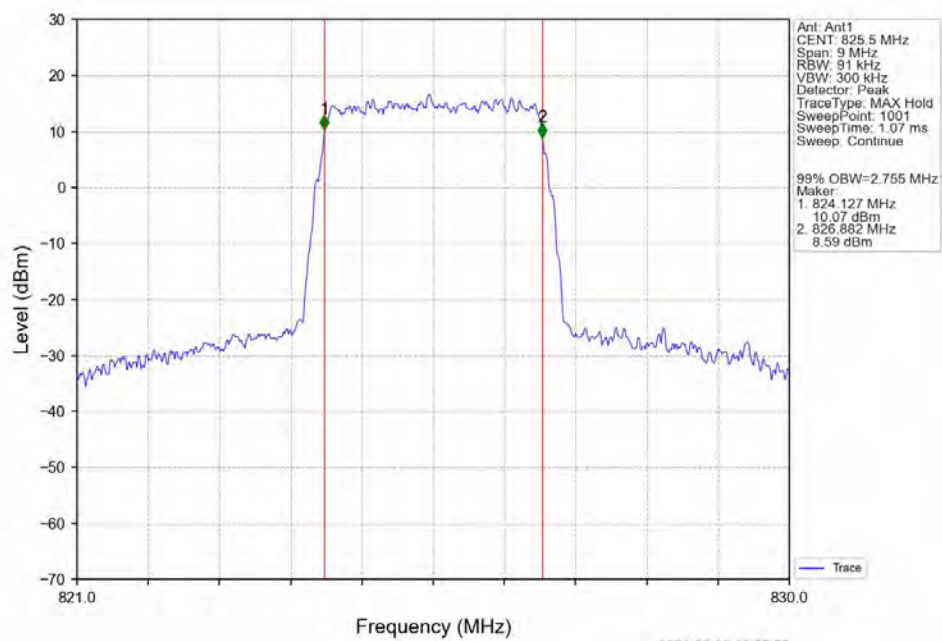
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



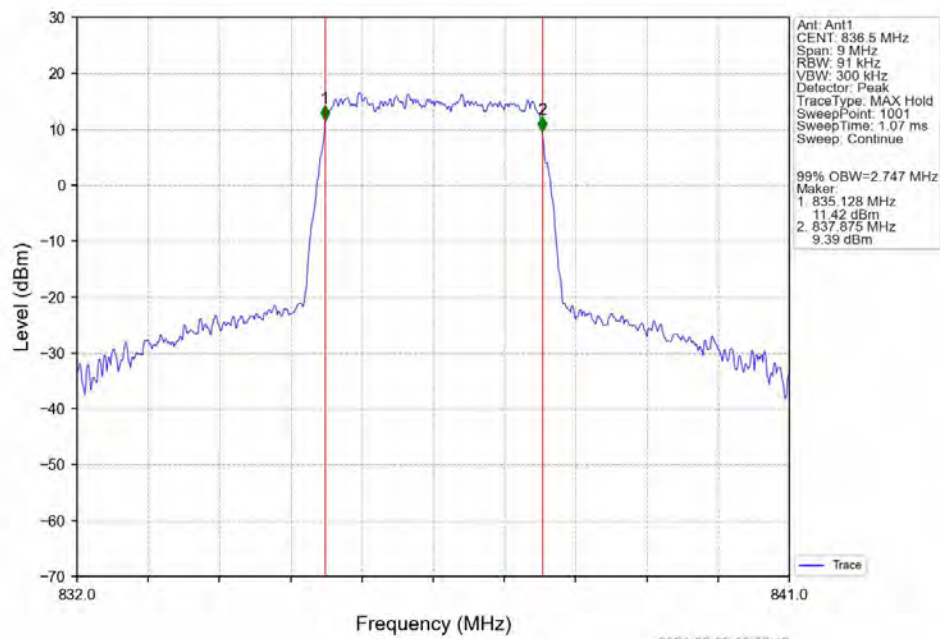
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

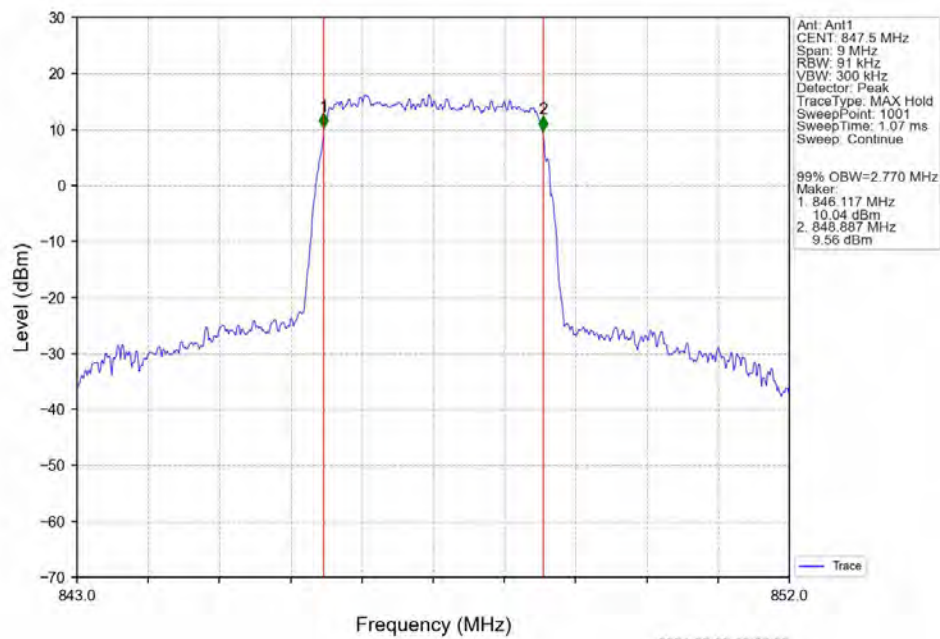


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



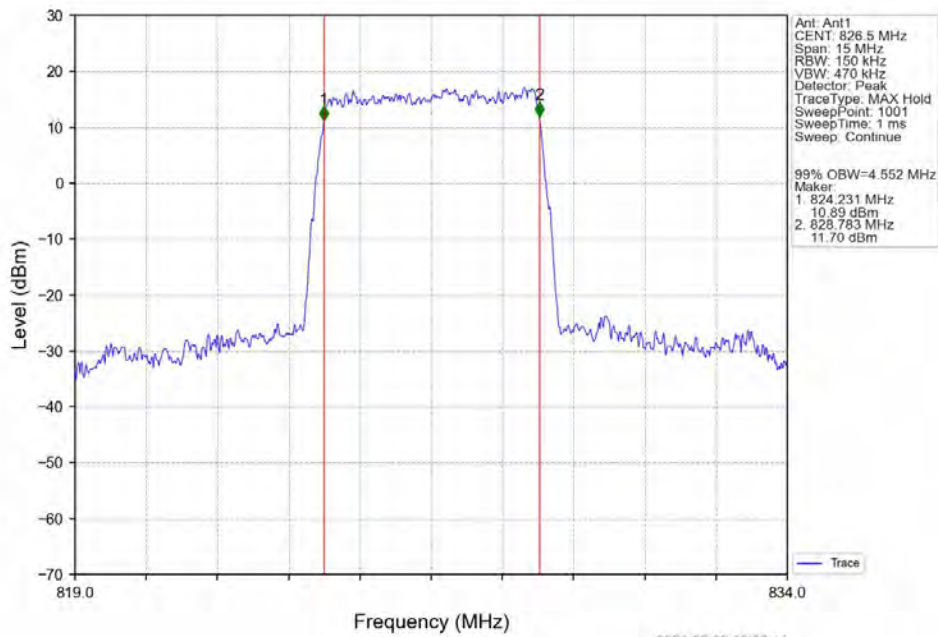
2024-08-09 10:58:18

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

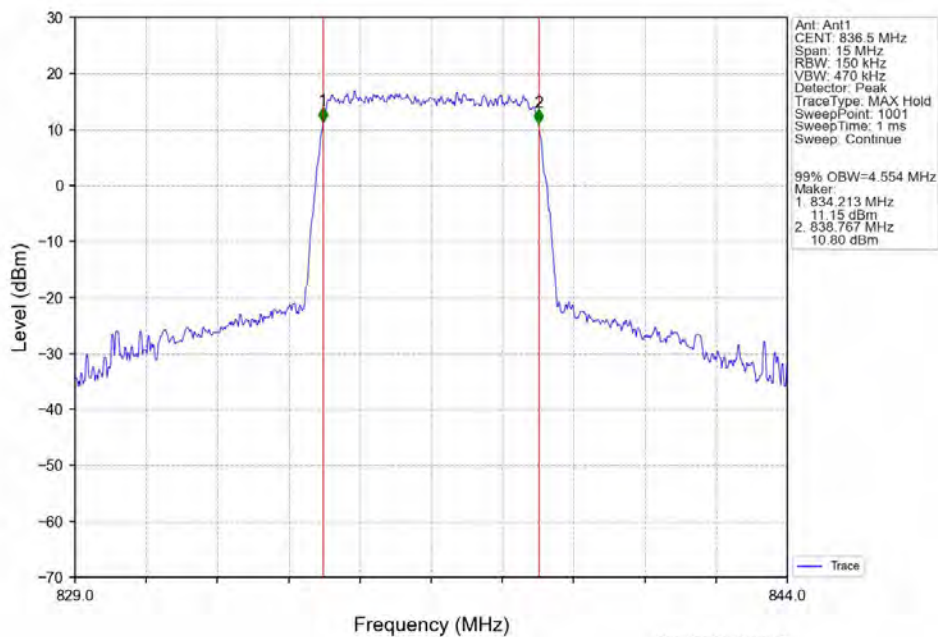


2024-08-09 10:58:38

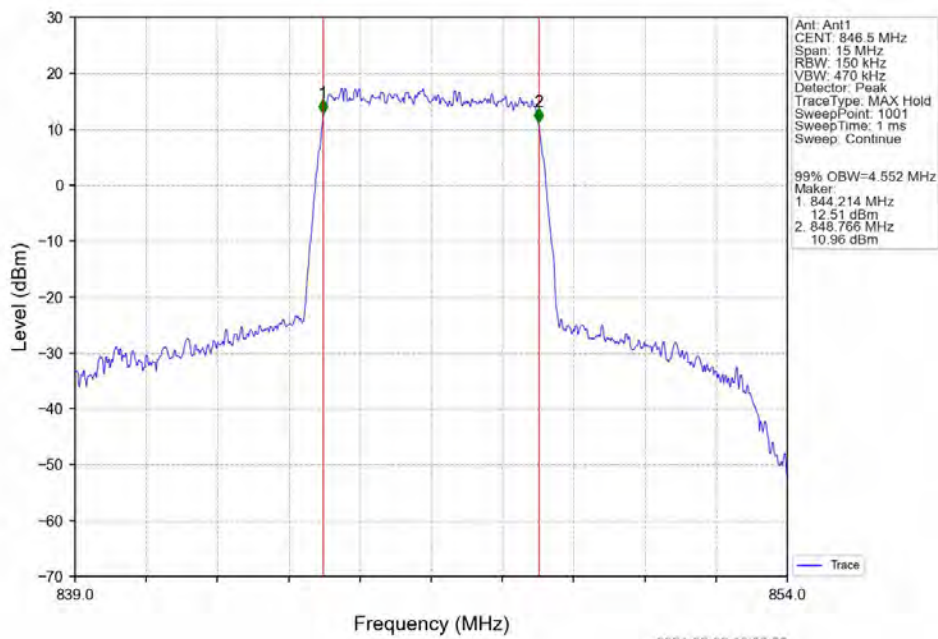
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



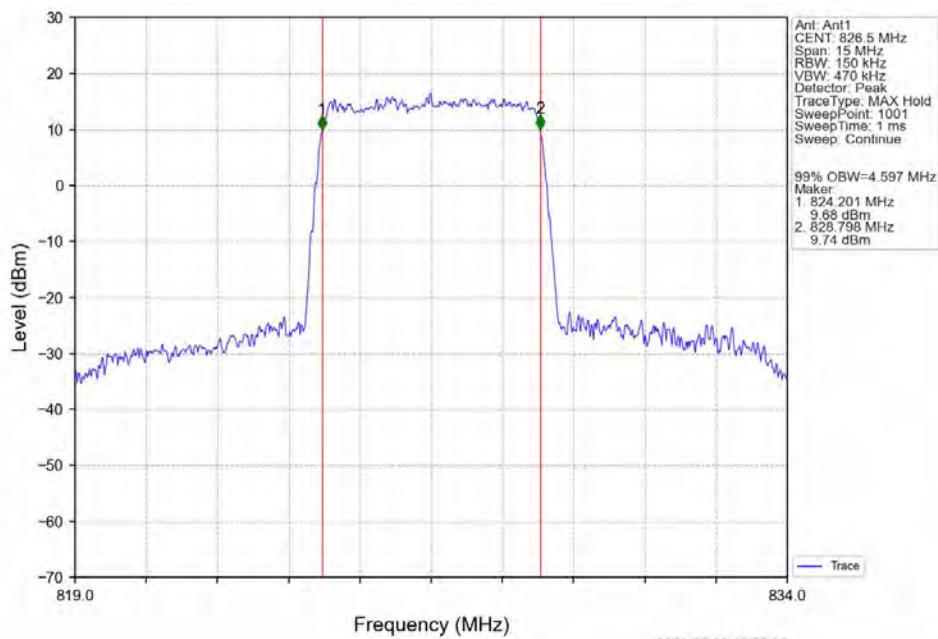
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



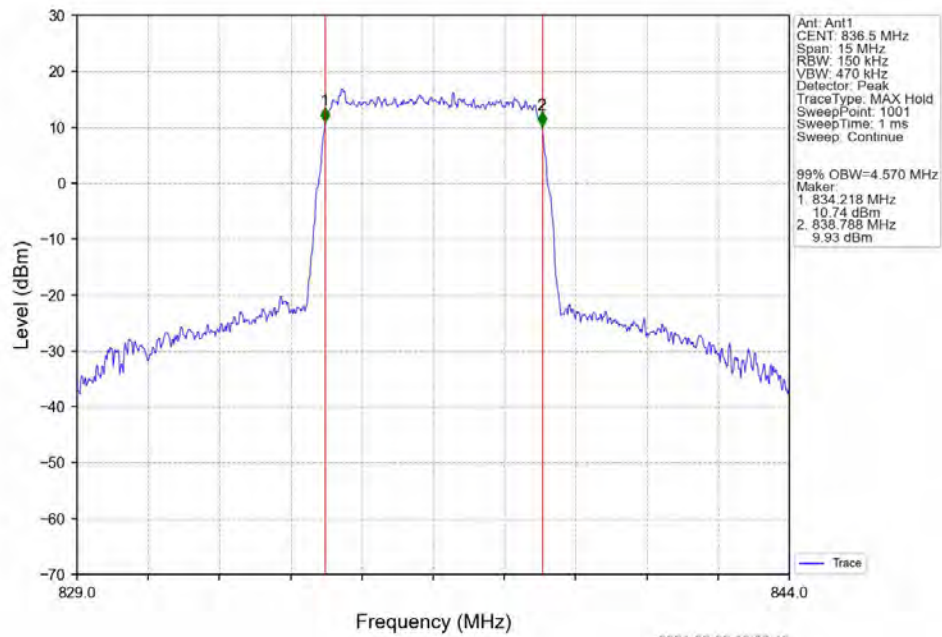
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



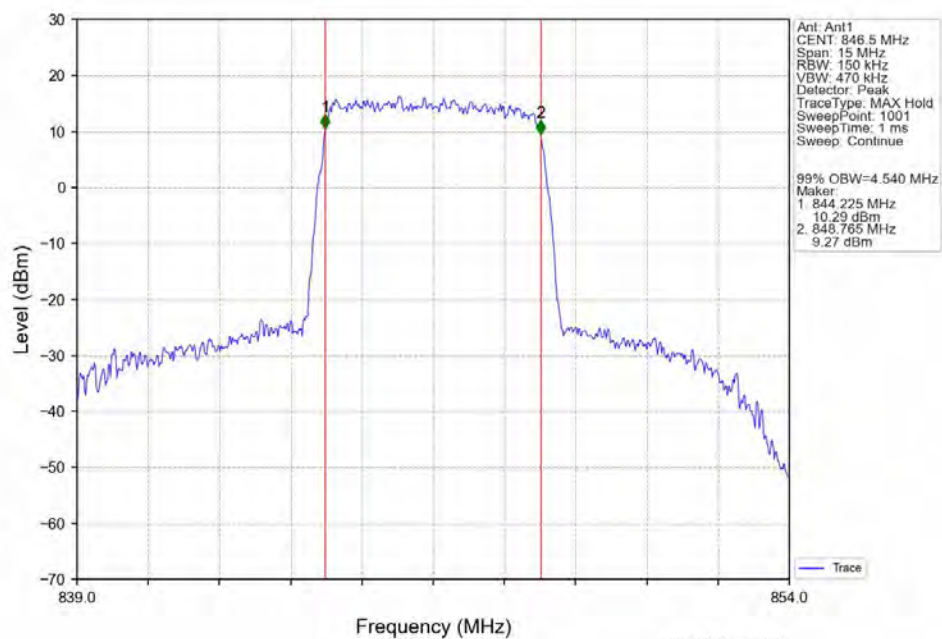
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



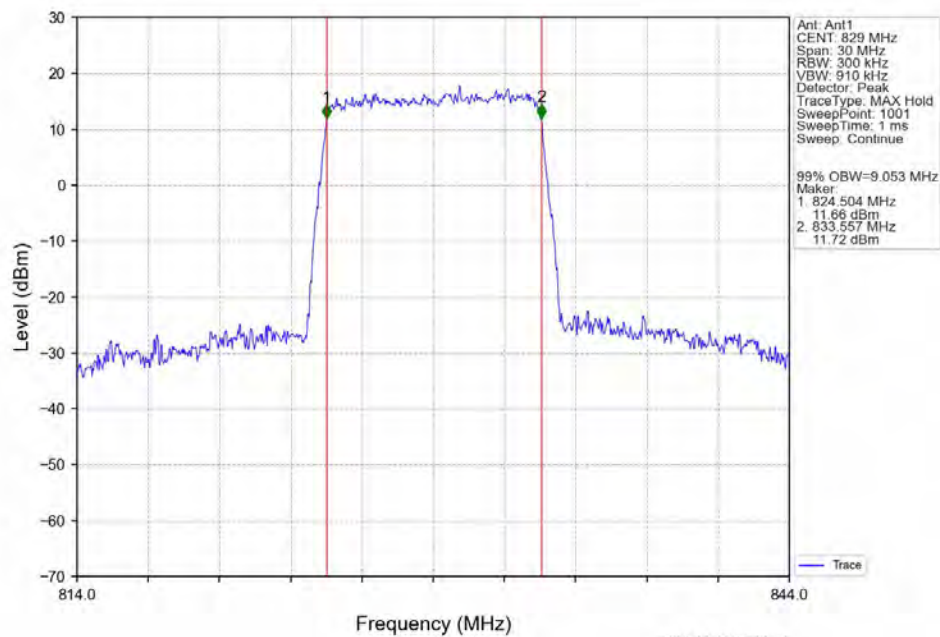
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



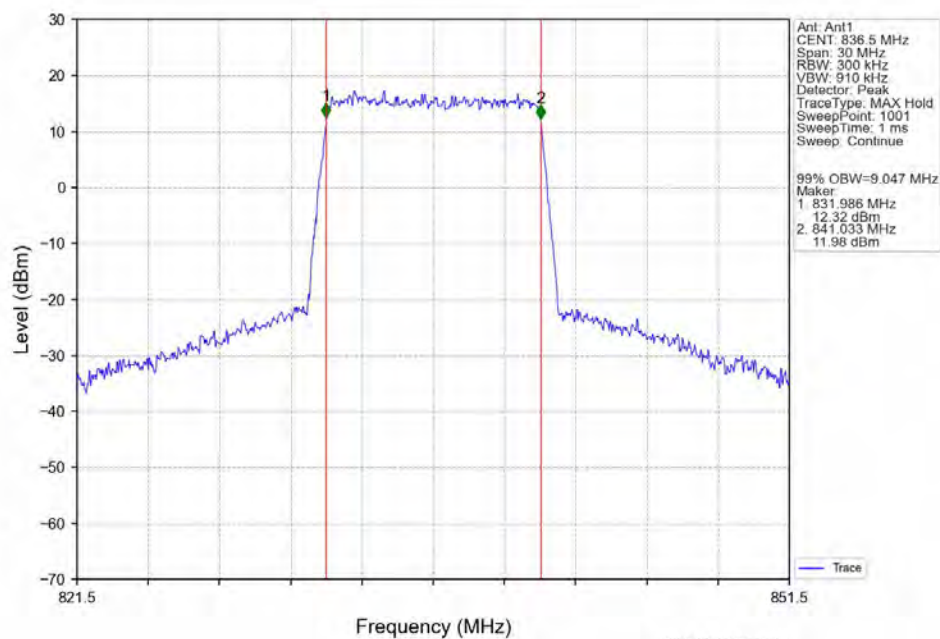
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



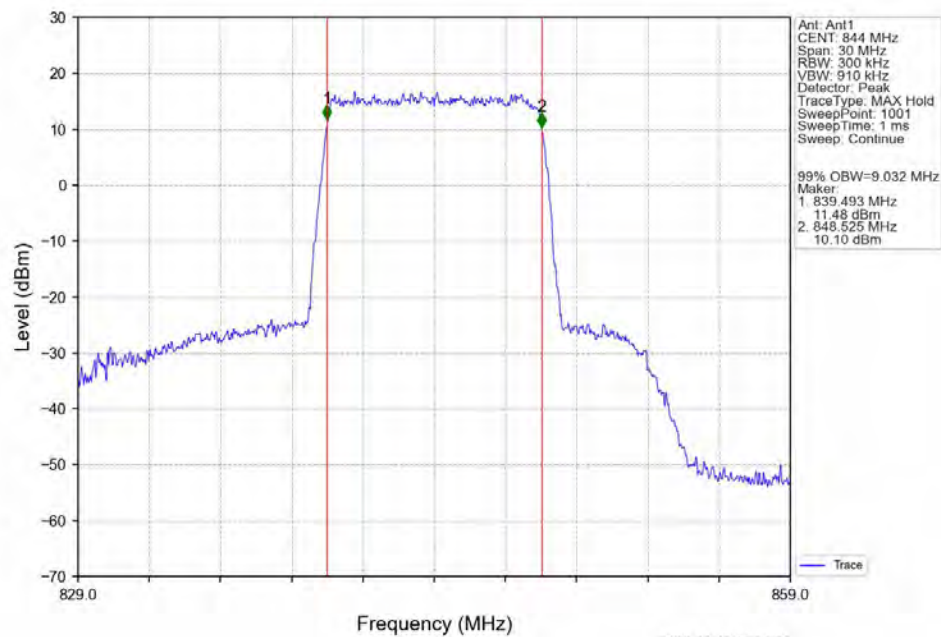
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



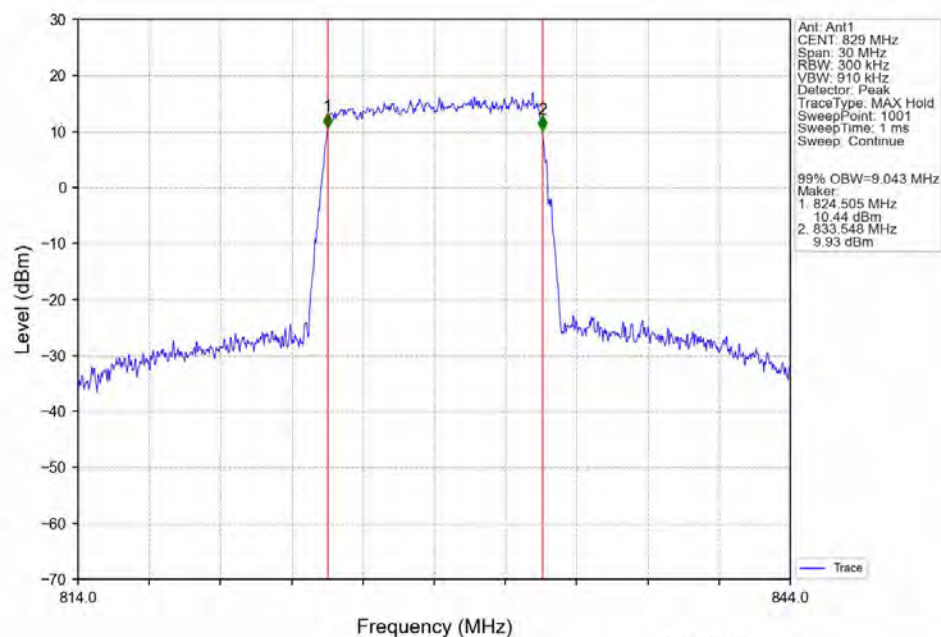
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



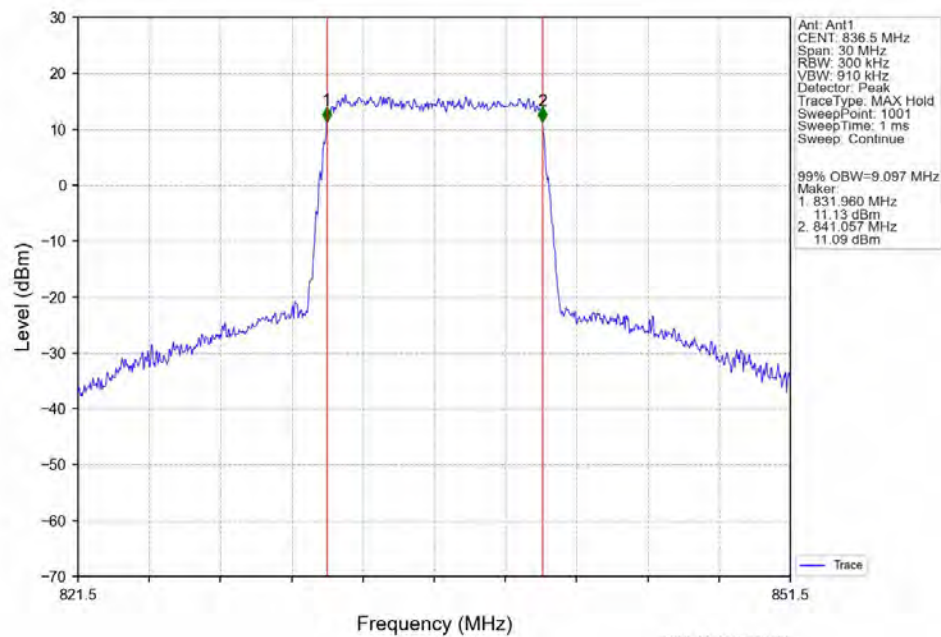
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



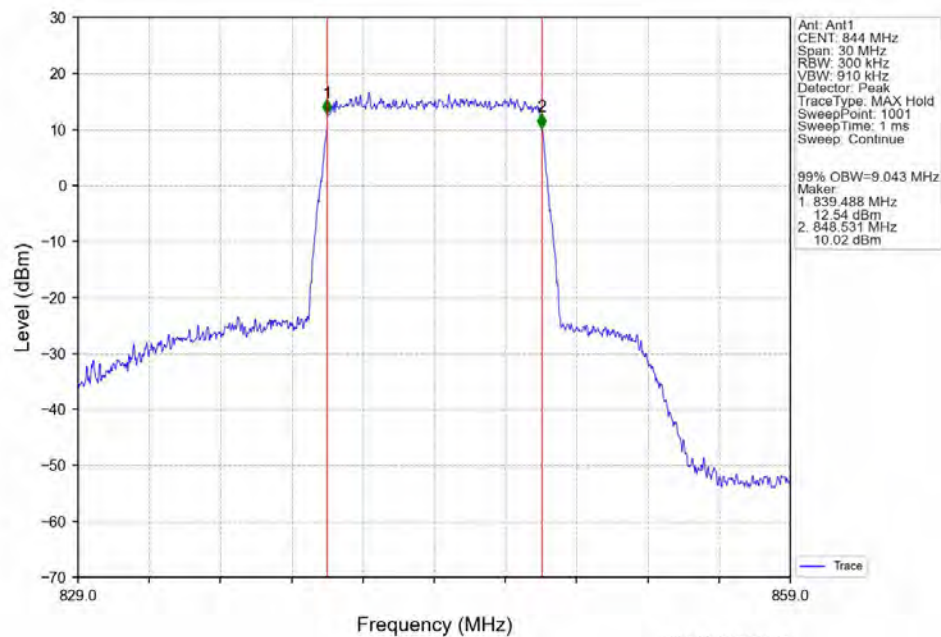
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



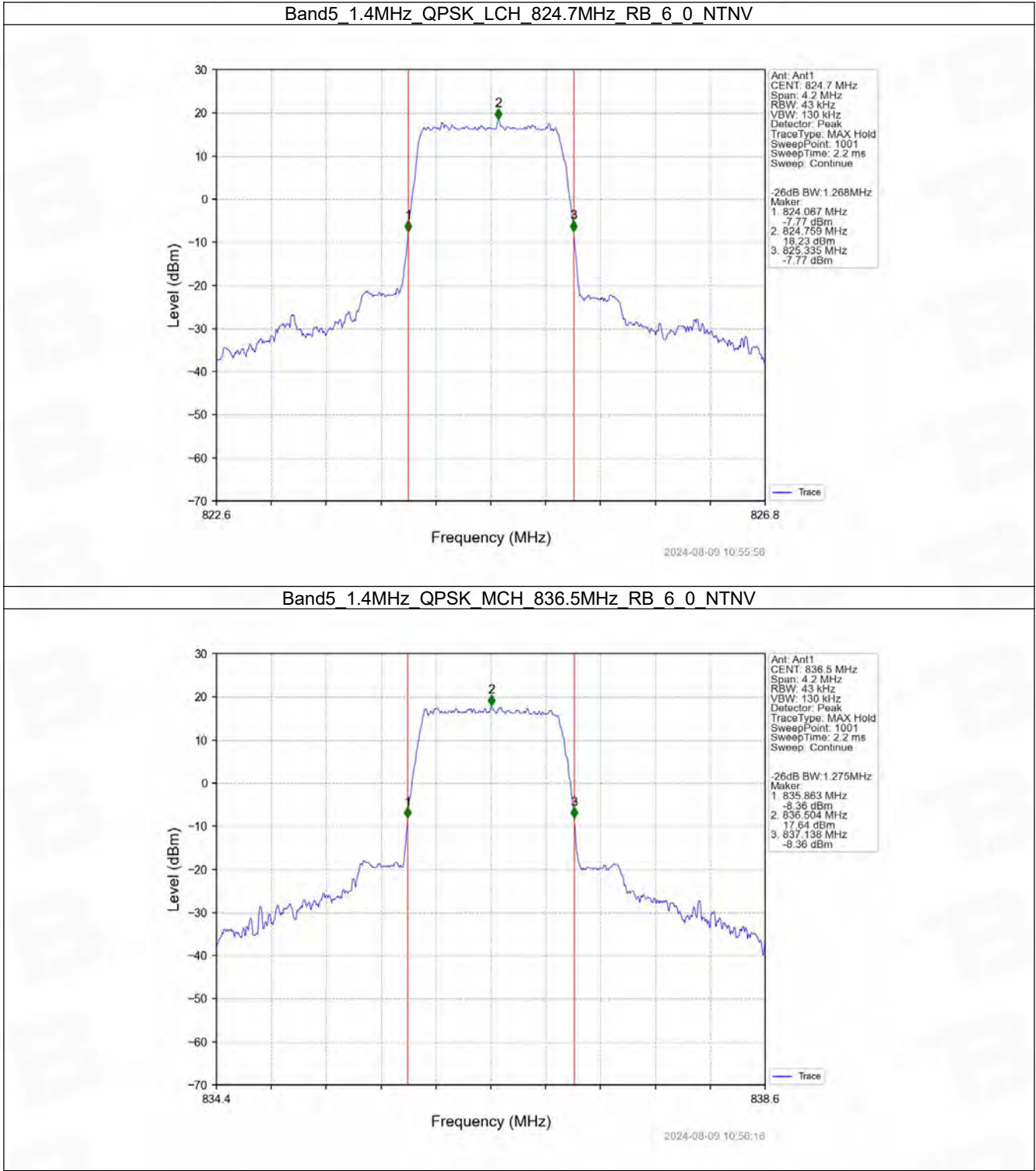
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



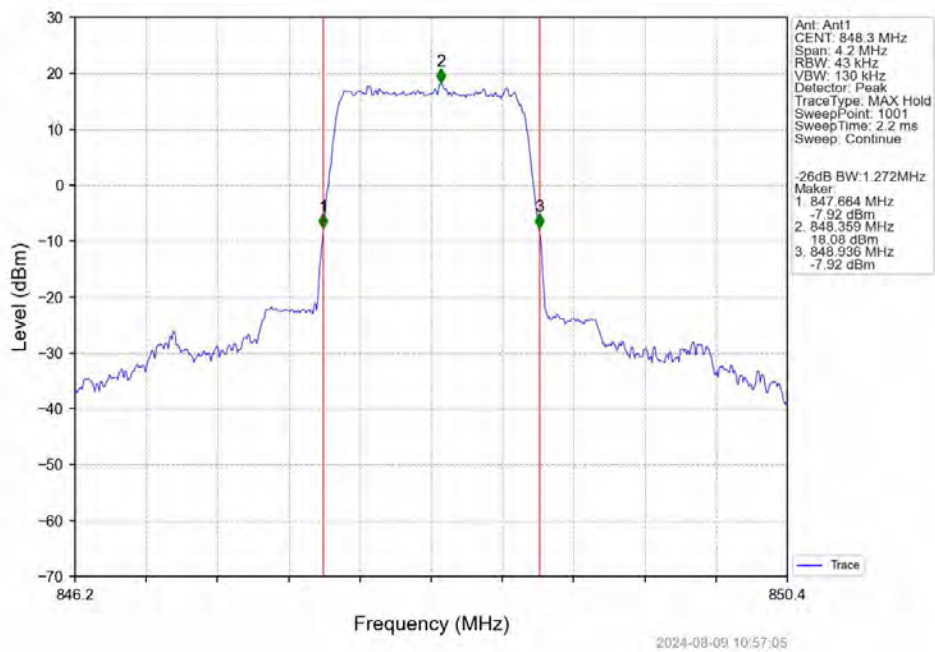
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



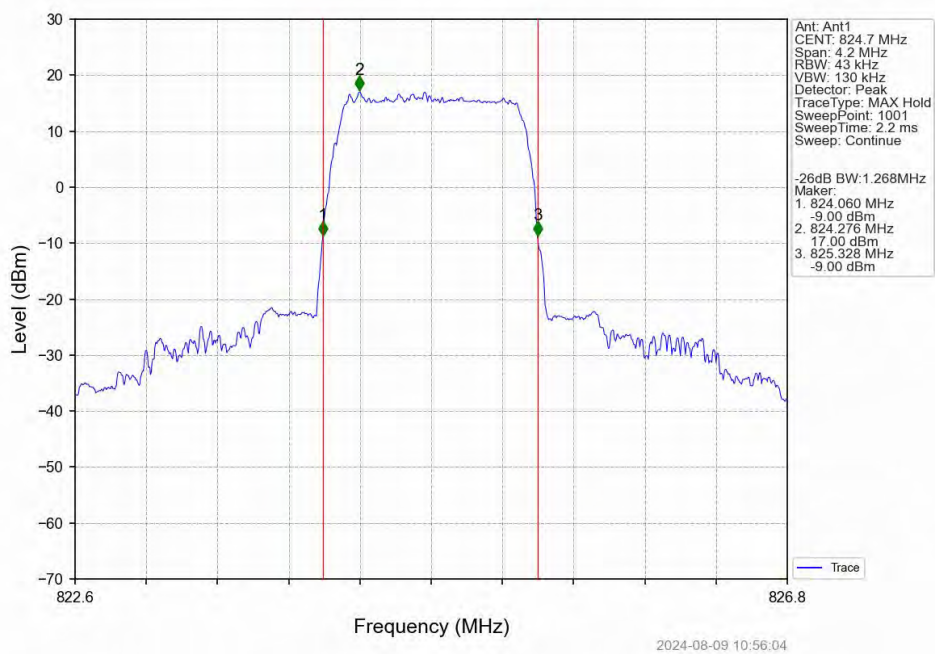
4.2.2 Band5_XDB



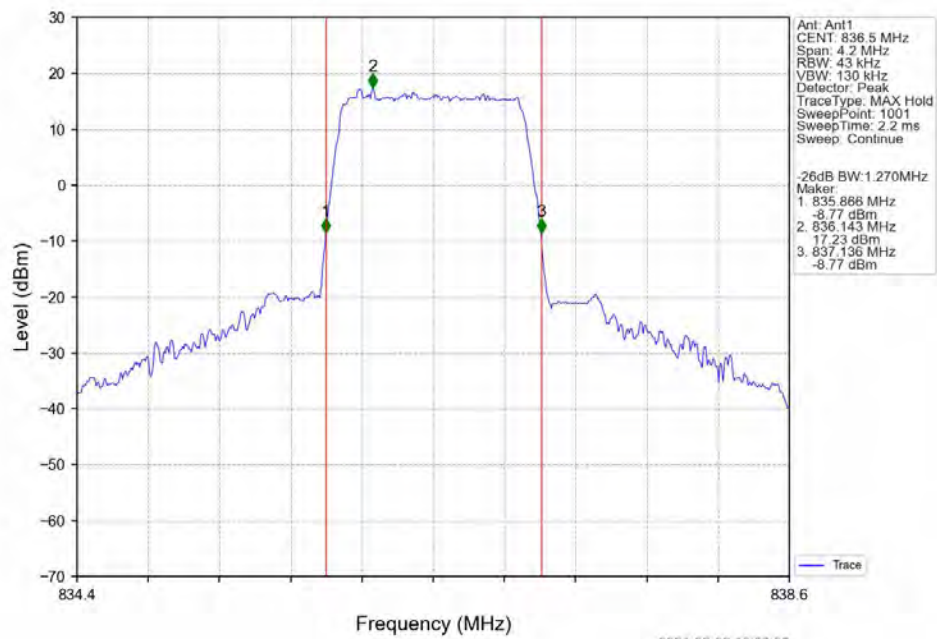
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



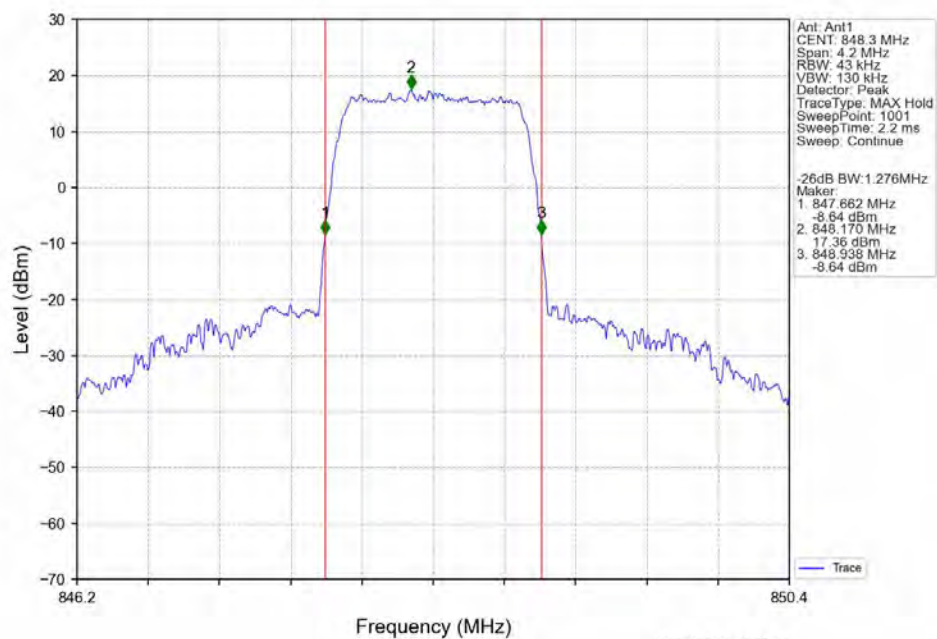
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



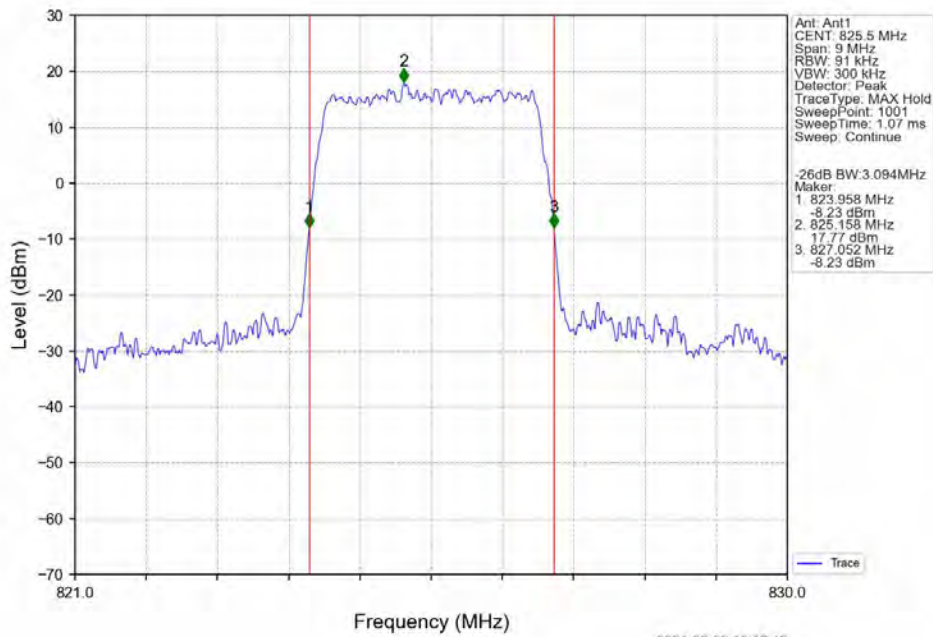
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

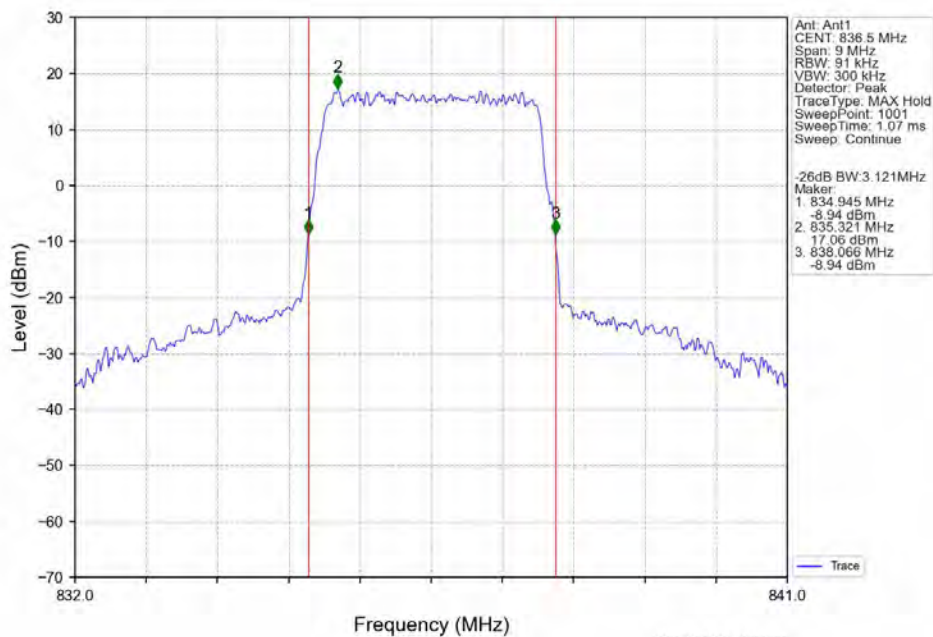


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



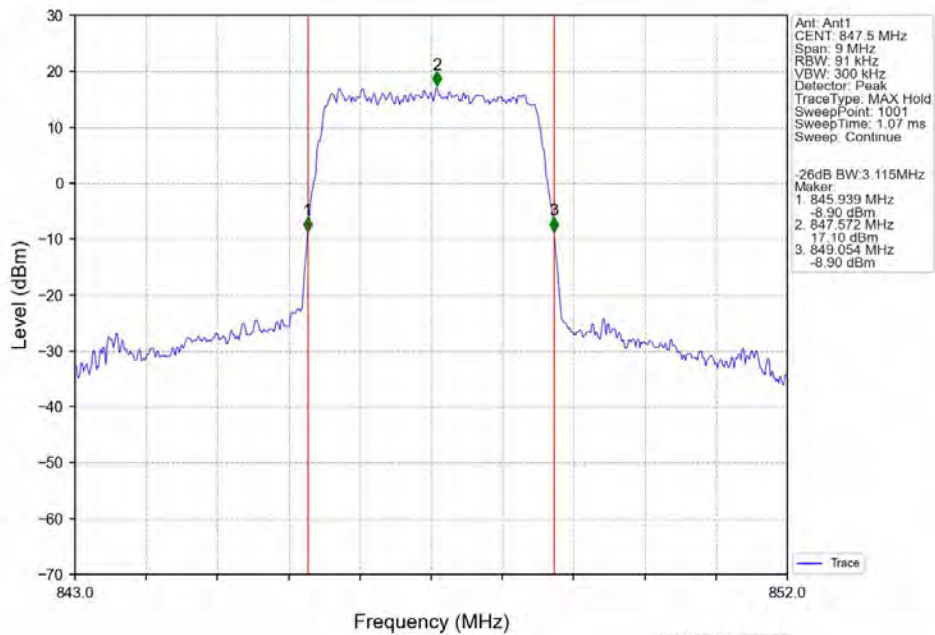
2024-08-09 10:57:49

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

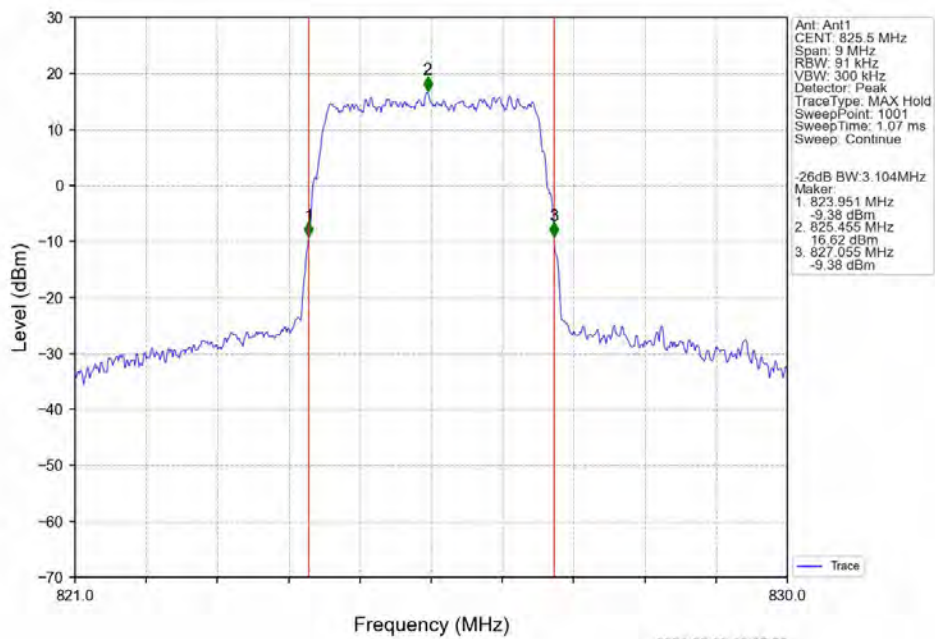


2024-08-09 10:58:09

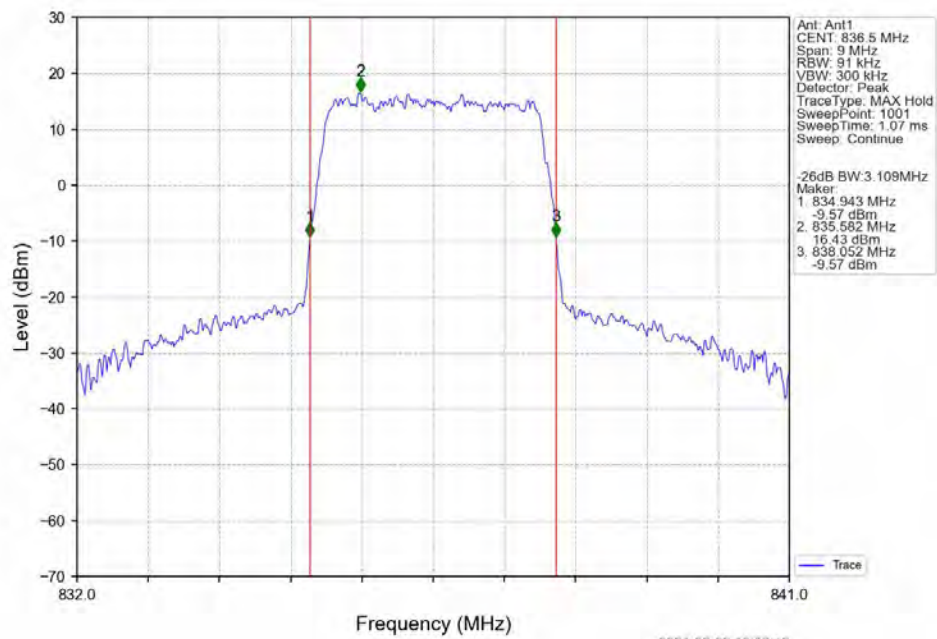
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



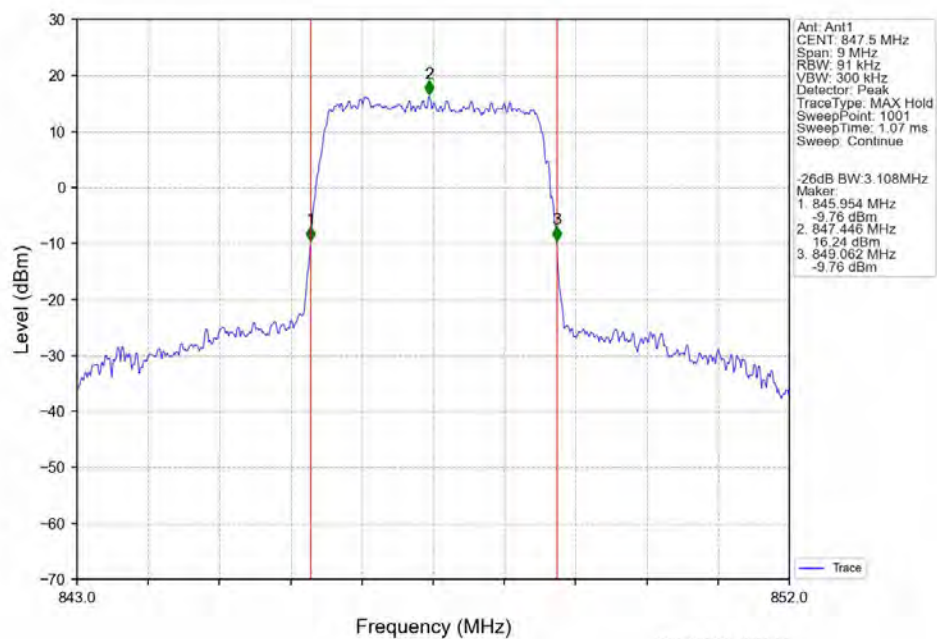
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



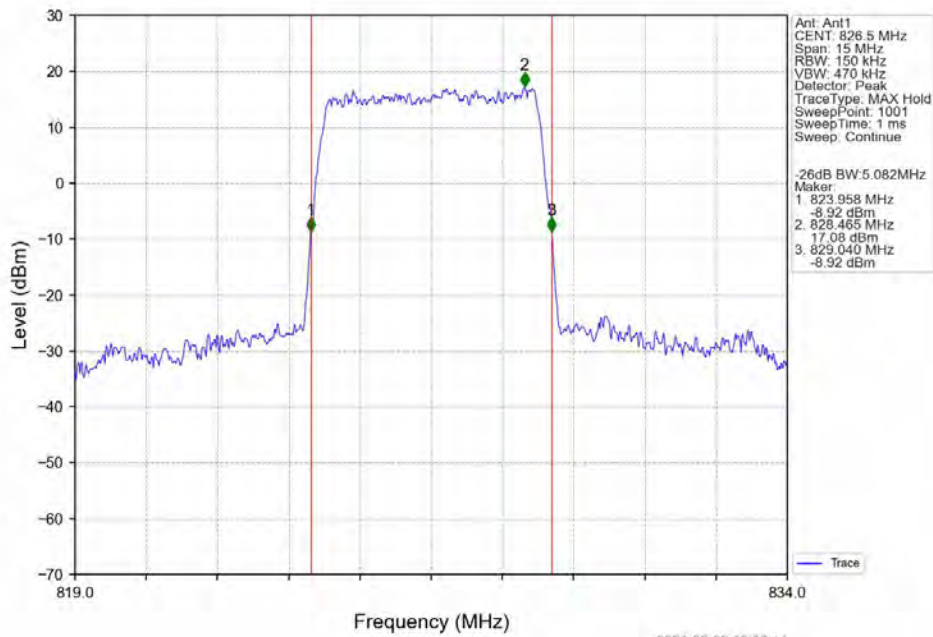
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



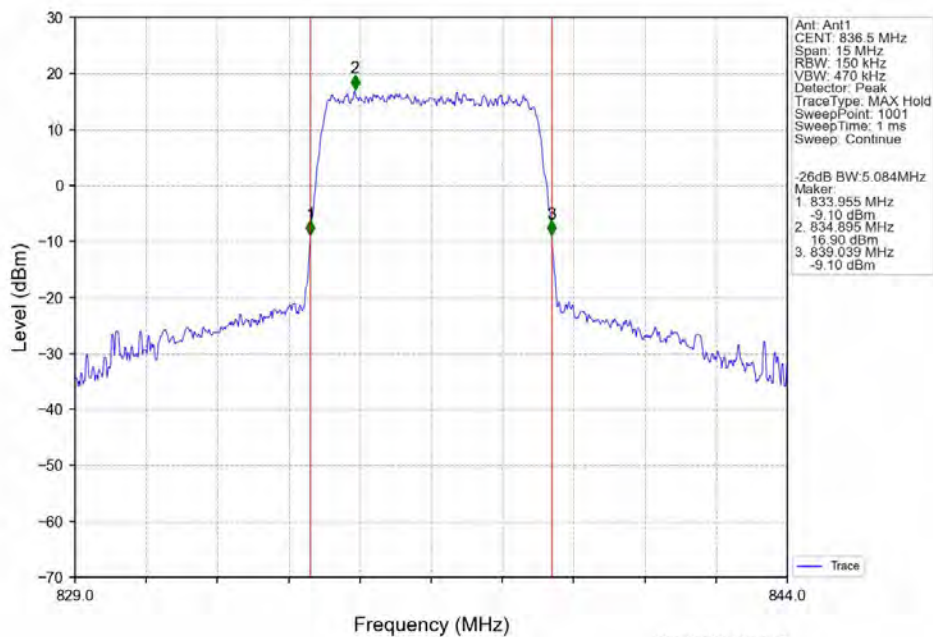
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



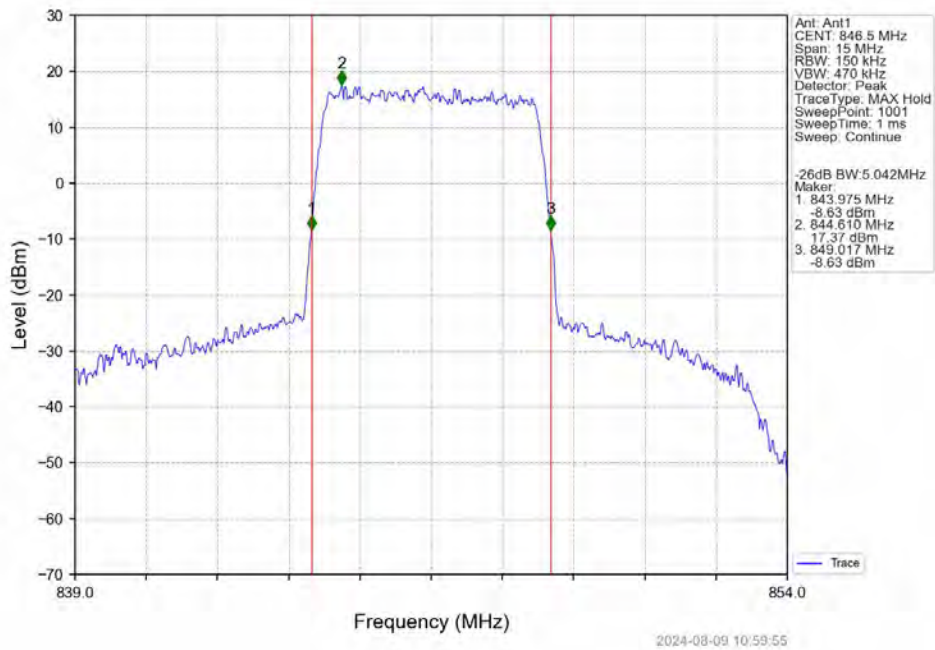
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



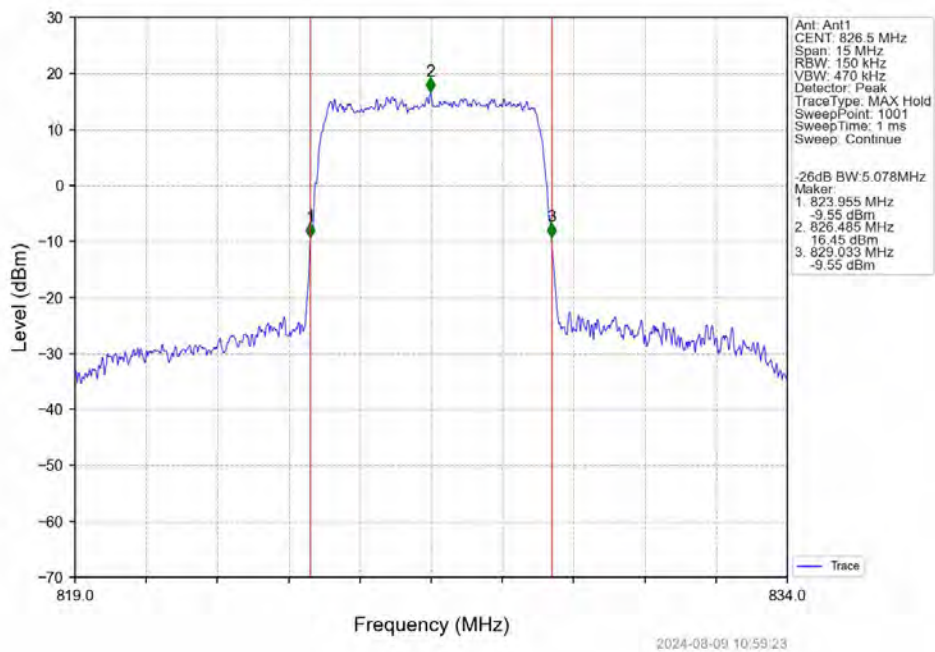
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



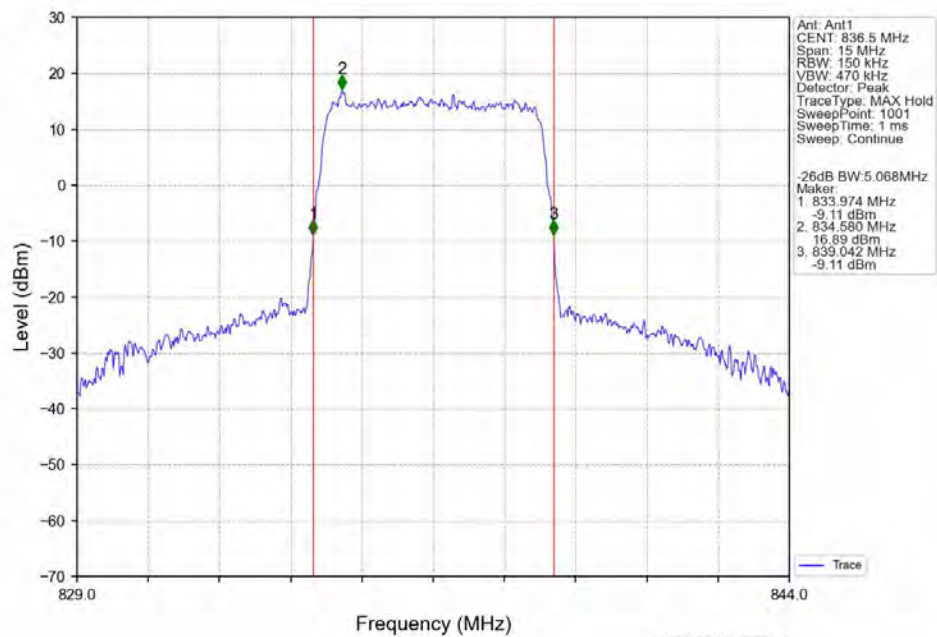
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



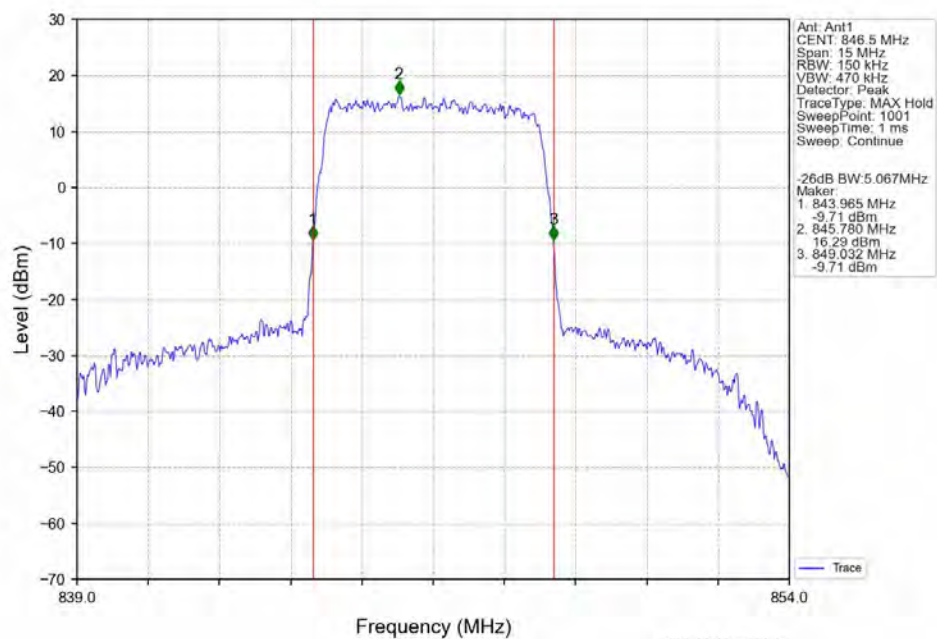
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



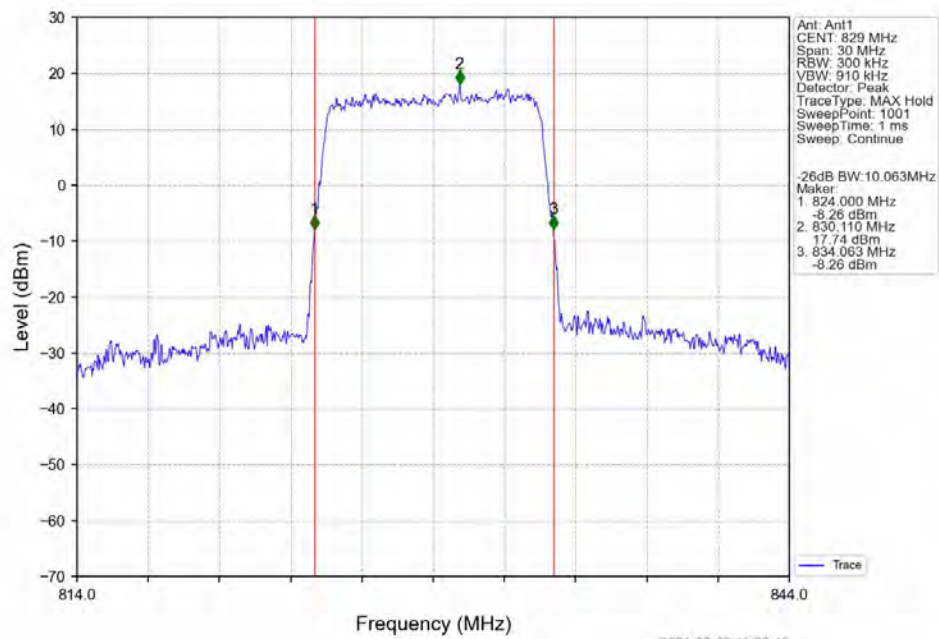
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



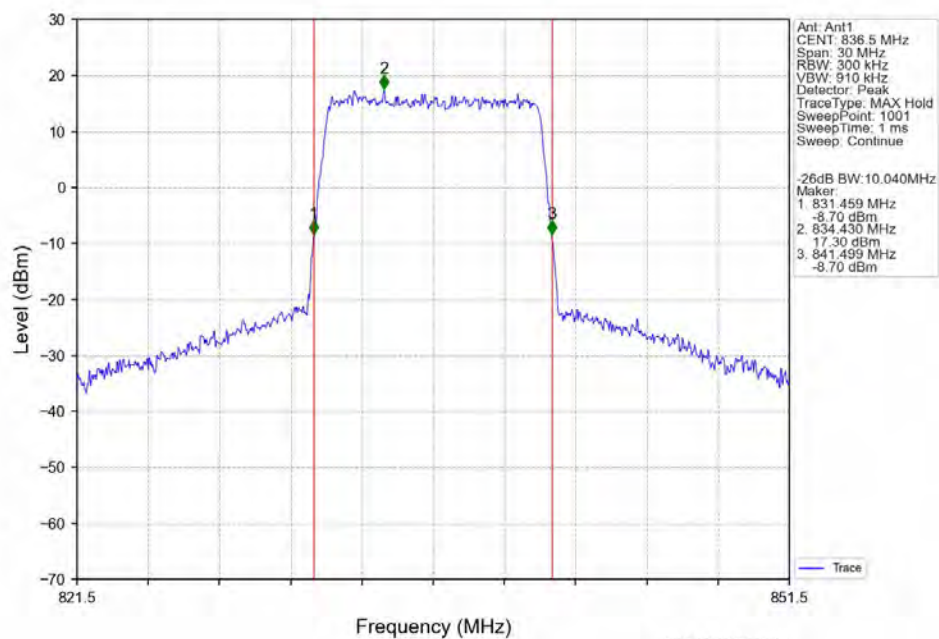
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



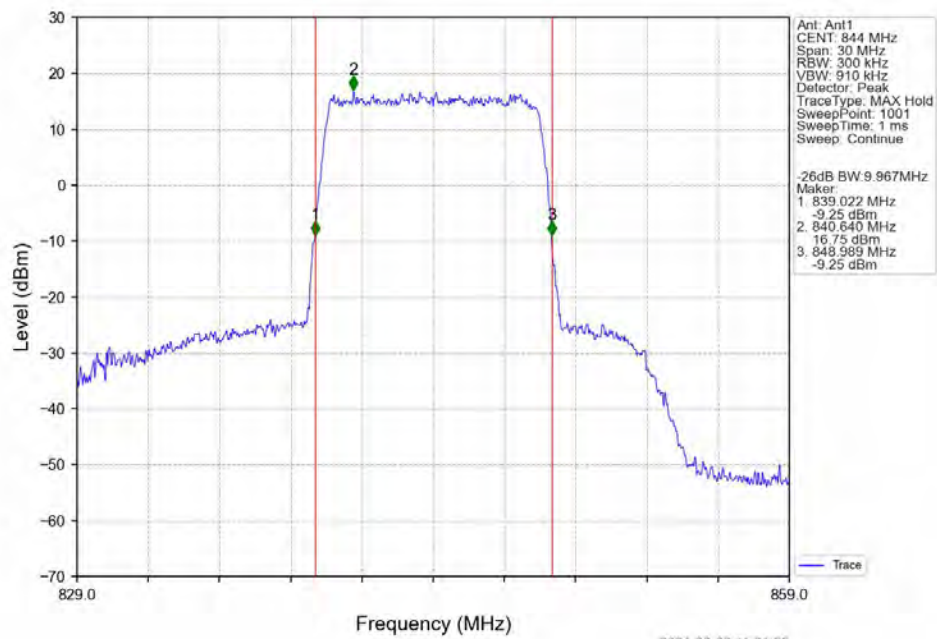
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



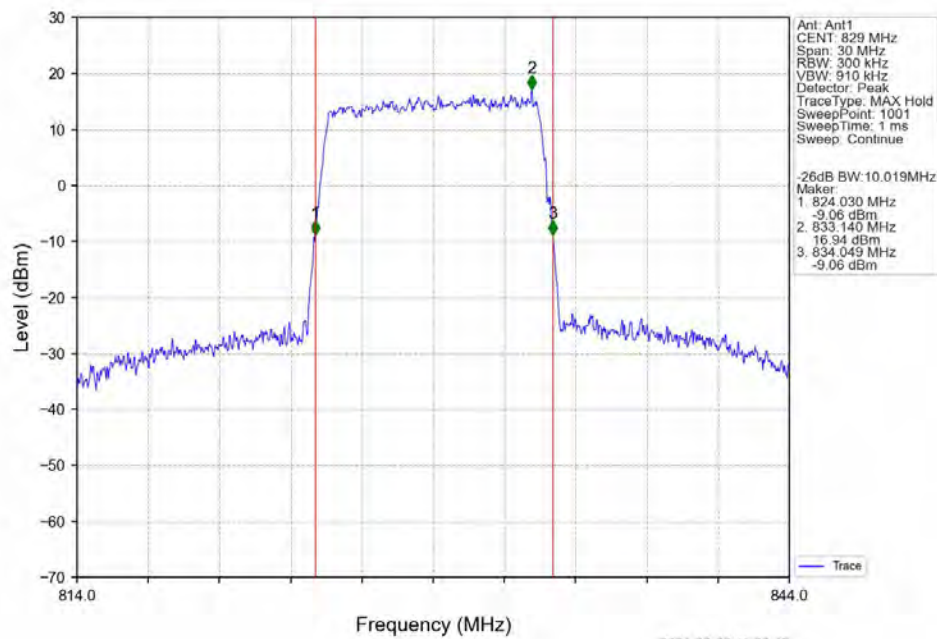
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



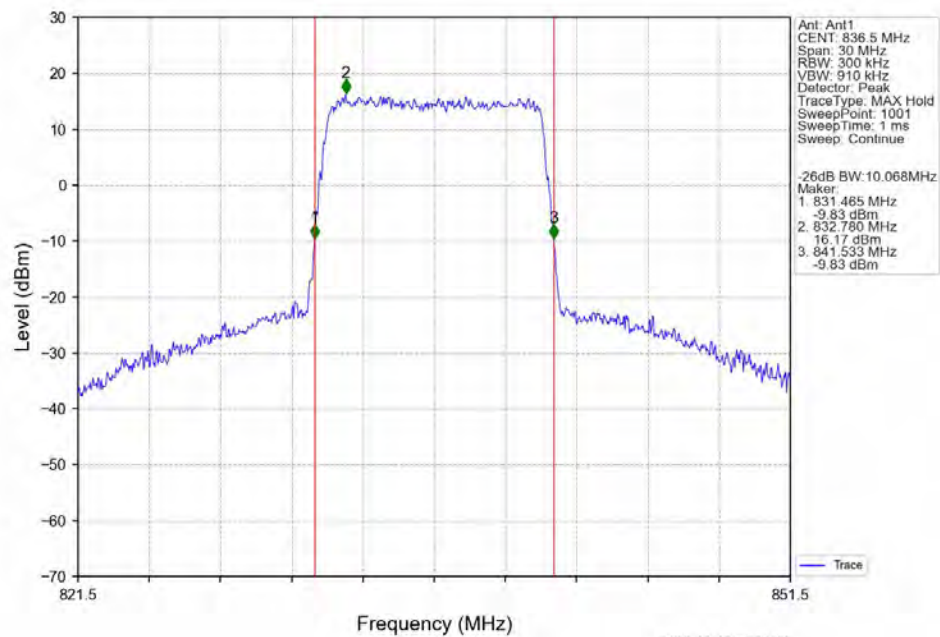
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



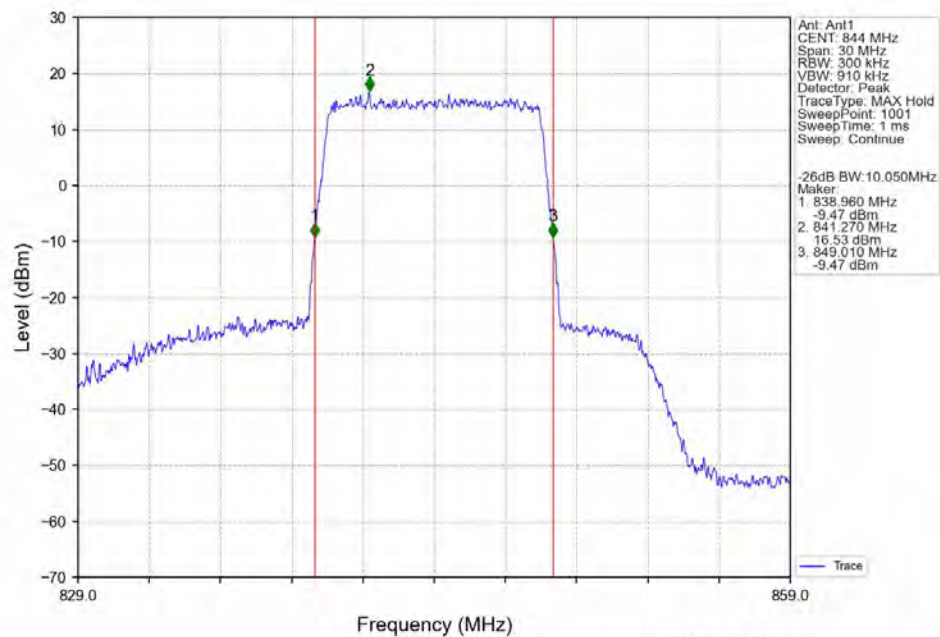
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	5.72	<=13	Pass
	836.5	6	0	5.80	<=13	Pass
	848.3	6	0	5.74	<=13	Pass
16QAM	824.7	6	0	6.48	<=13	Pass
	836.5	6	0	6.65	<=13	Pass
	848.3	6	0	6.48	<=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	5.71	<=13	Pass
	836.5	15	0	5.81	<=13	Pass
	847.5	15	0	5.85	<=13	Pass
16QAM	825.5	15	0	6.51	<=13	Pass
	836.5	15	0	6.67	<=13	Pass
	847.5	15	0	6.62	<=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	5.66	<=13	Pass
	836.5	25	0	5.86	<=13	Pass
	846.5	25	0	5.81	<=13	Pass
16QAM	826.5	25	0	6.42	<=13	Pass
	836.5	25	0	6.59	<=13	Pass
	846.5	25	0	6.52	<=13	Pass

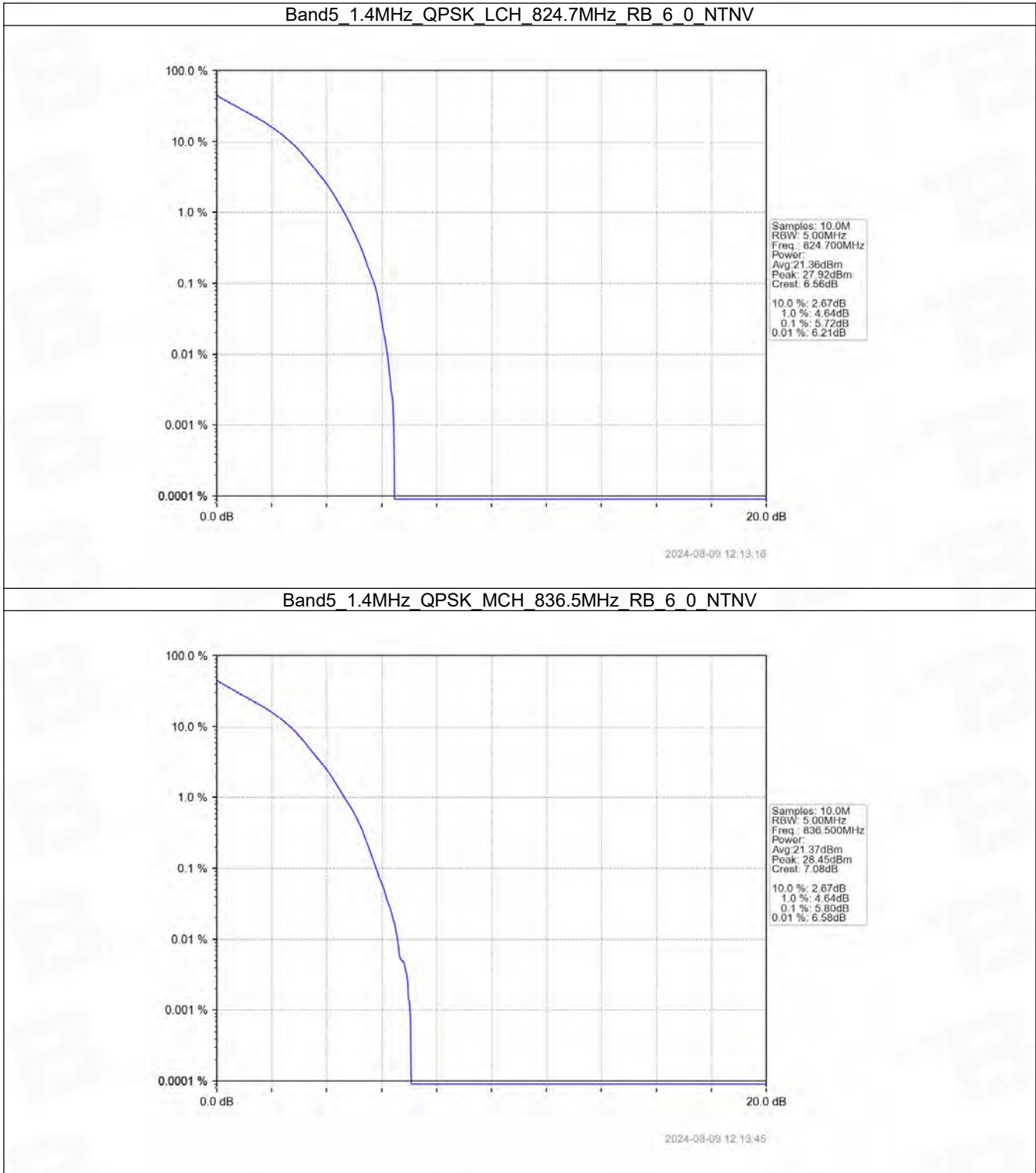
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.63	<=13	Pass
	836.5	50	0	5.84	<=13	Pass
	844	50	0	5.83	<=13	Pass
16QAM	829	50	0	6.40	<=13	Pass
	836.5	50	0	6.63	<=13	Pass

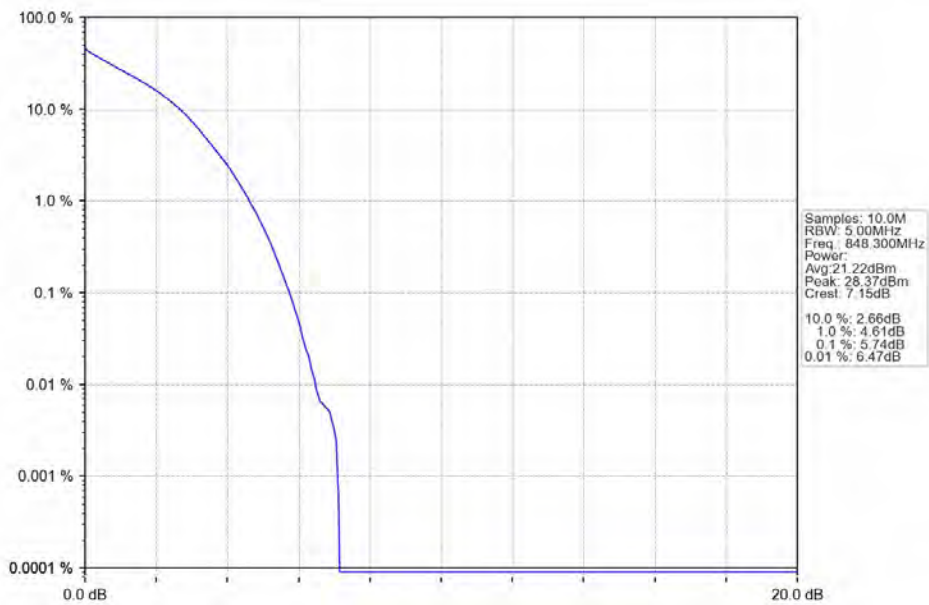
	844	50	0	6.55	<=13	Pass
--	-----	----	---	------	------	------

5.2 Test Graph

5.2.1 B5_1.4MHz

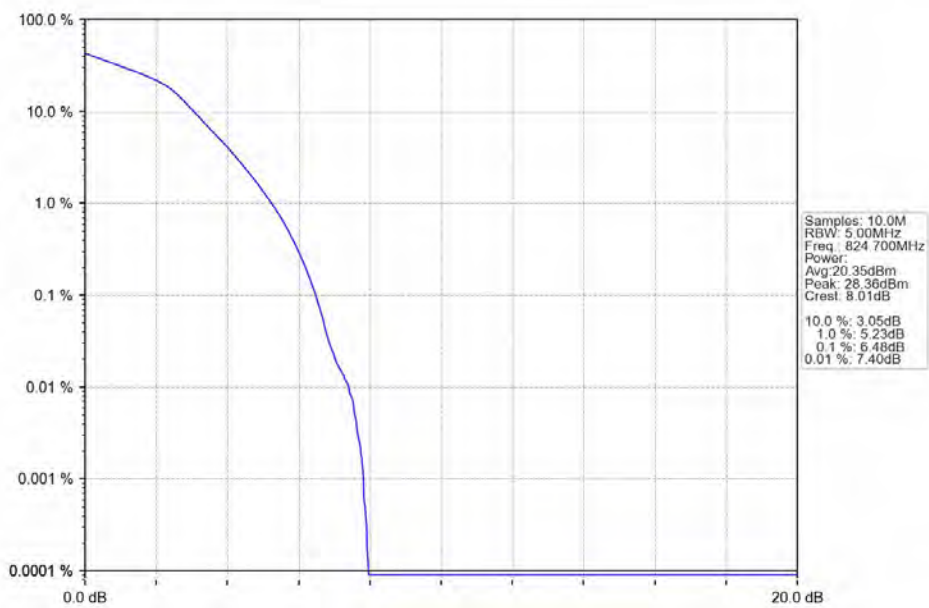


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



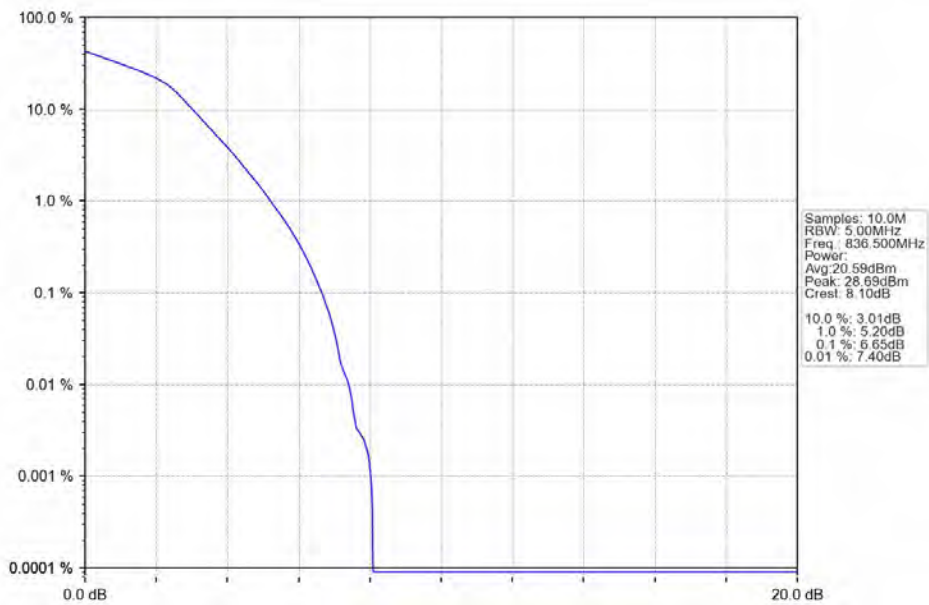
2024-08-09 12:14:16

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



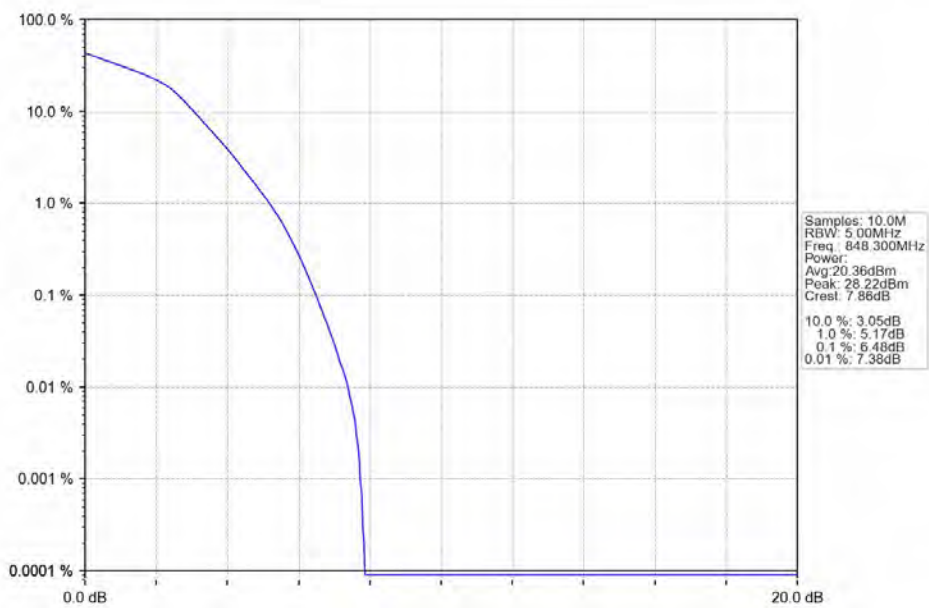
2024-08-09 12:13:30

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



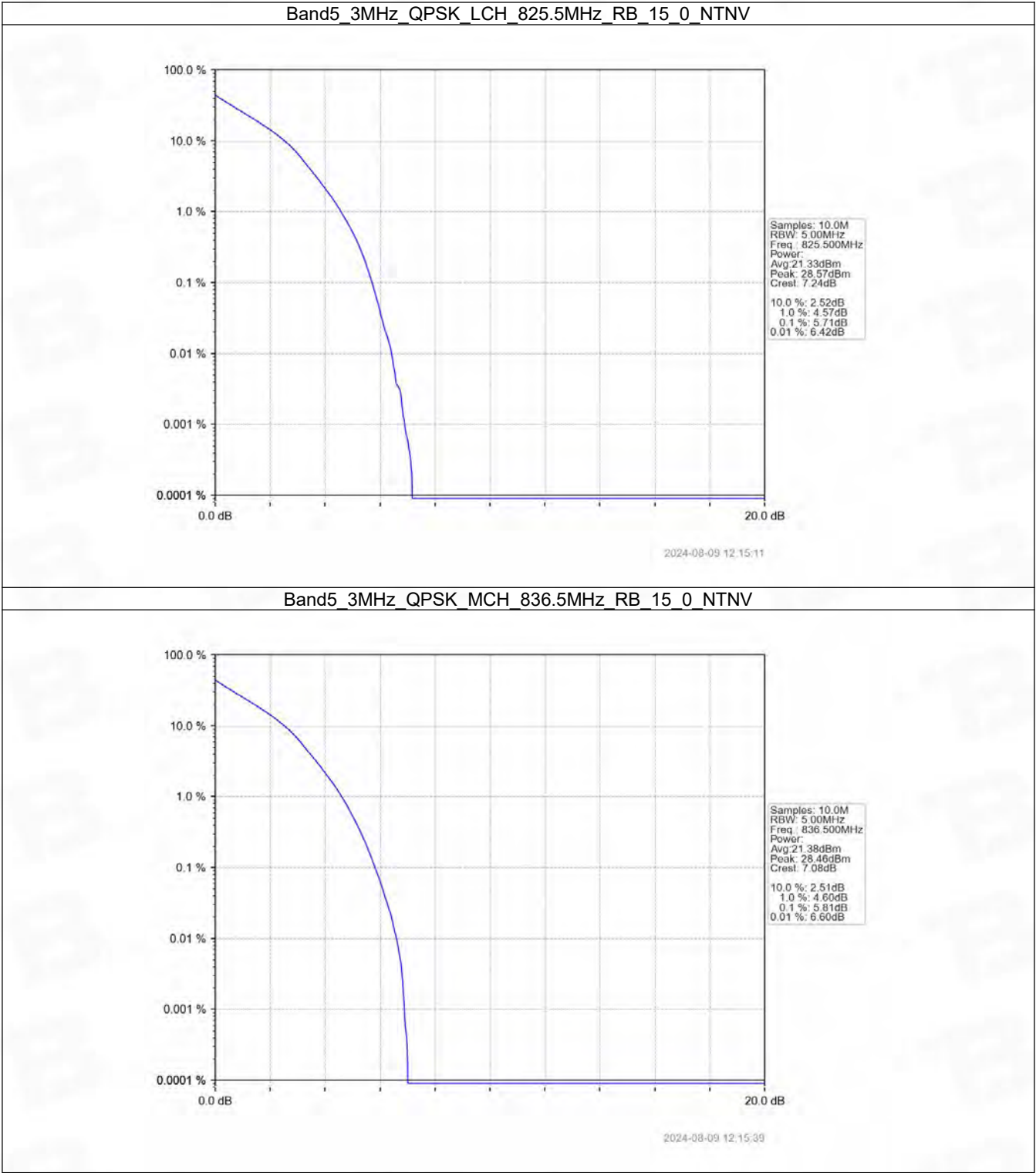
2024-08-09 12:13:59

Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

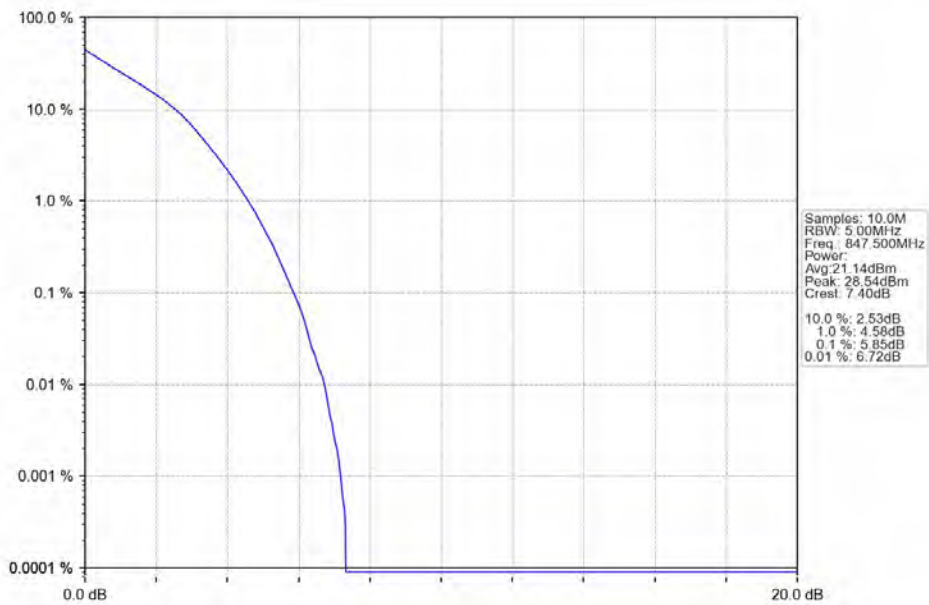


2024-08-09 12:14:32

5.2.2 B5_3MHz

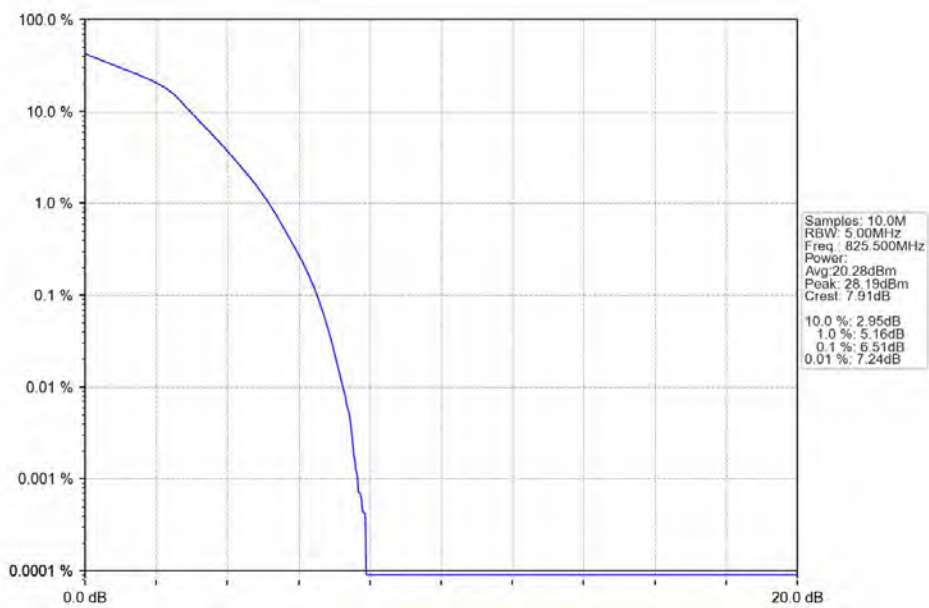


Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



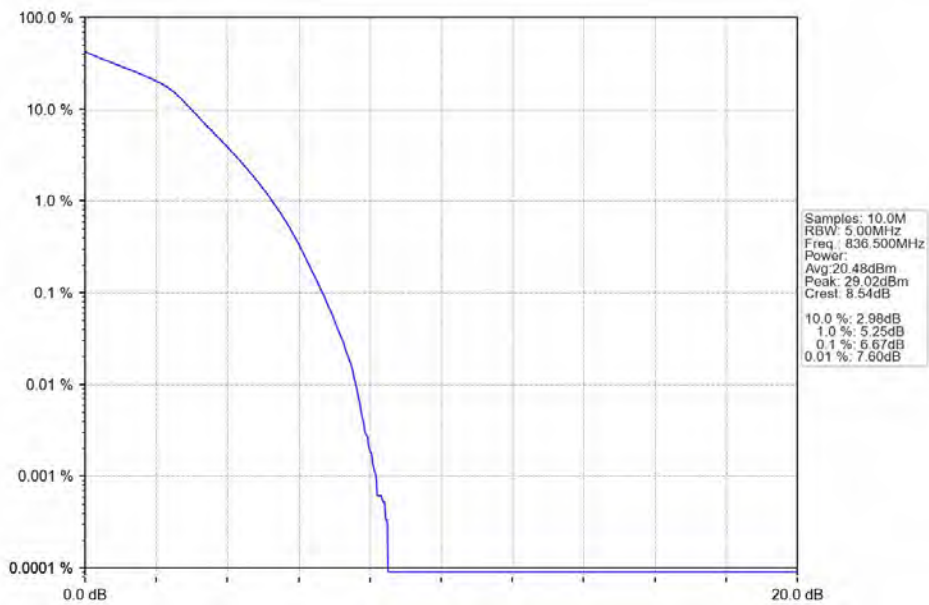
2024-08-09 12:16:08

Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



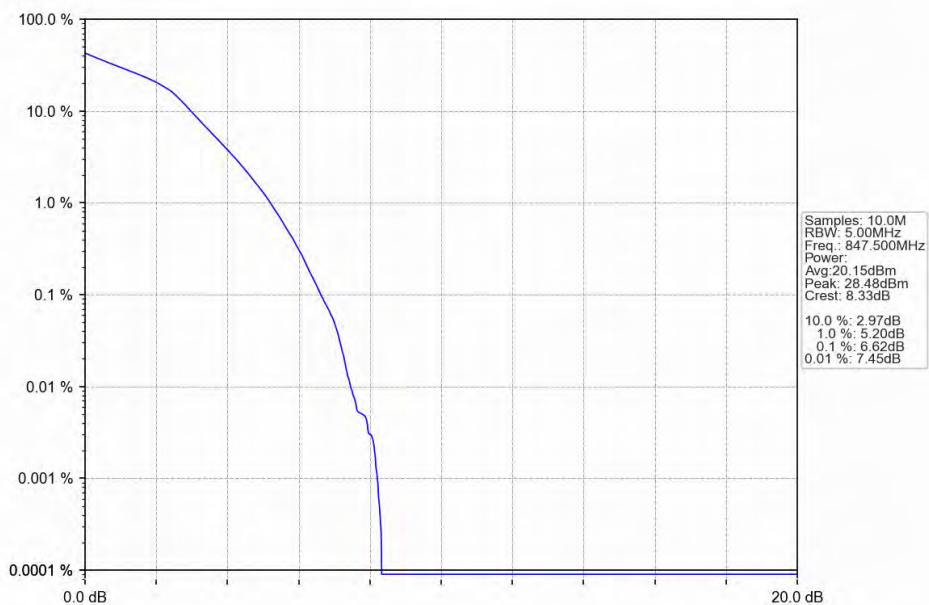
2024-08-09 12:15:24

Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



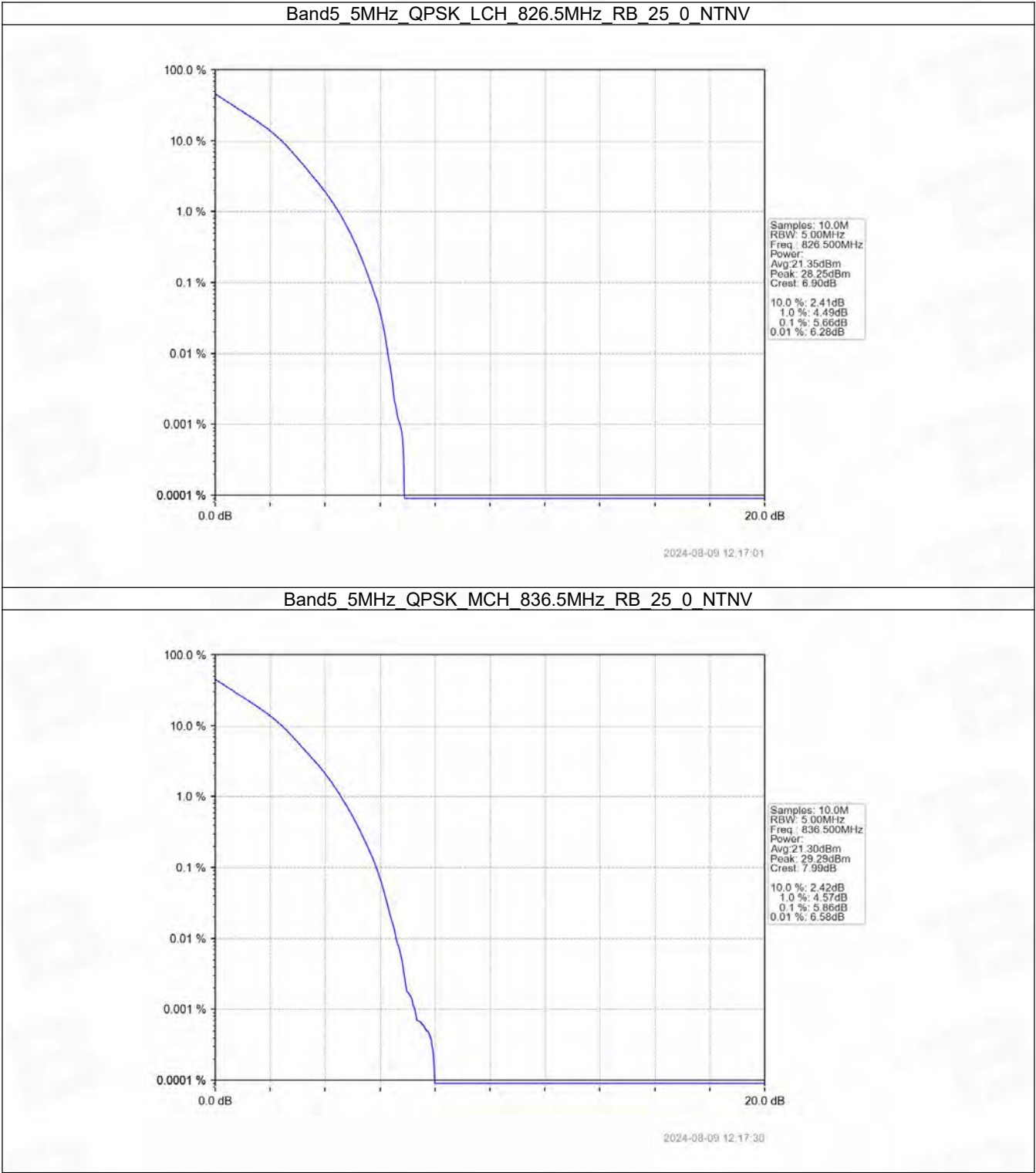
2024-08-09 12:15:53

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

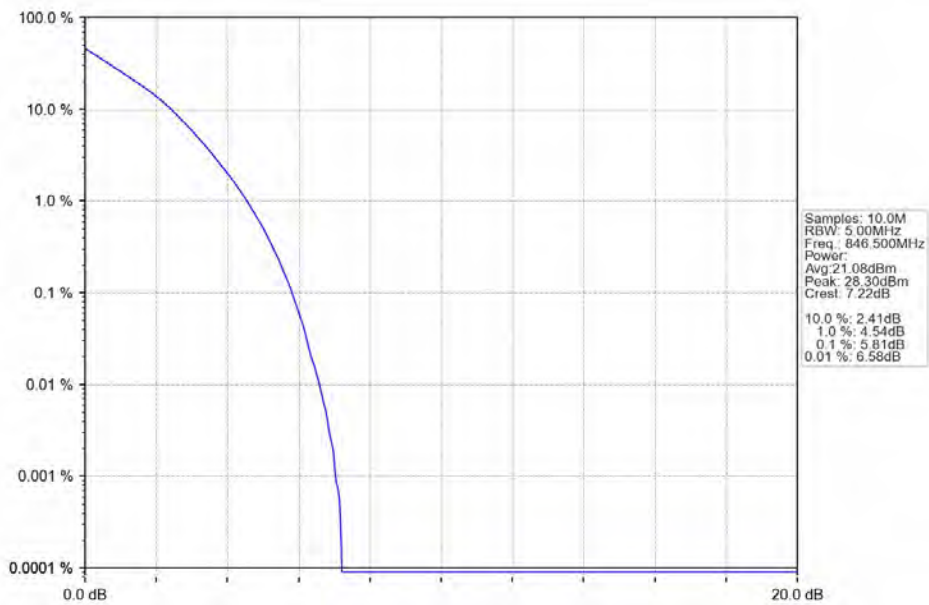


2024-08-09 12:16:22

5.2.3 B5_5MHz

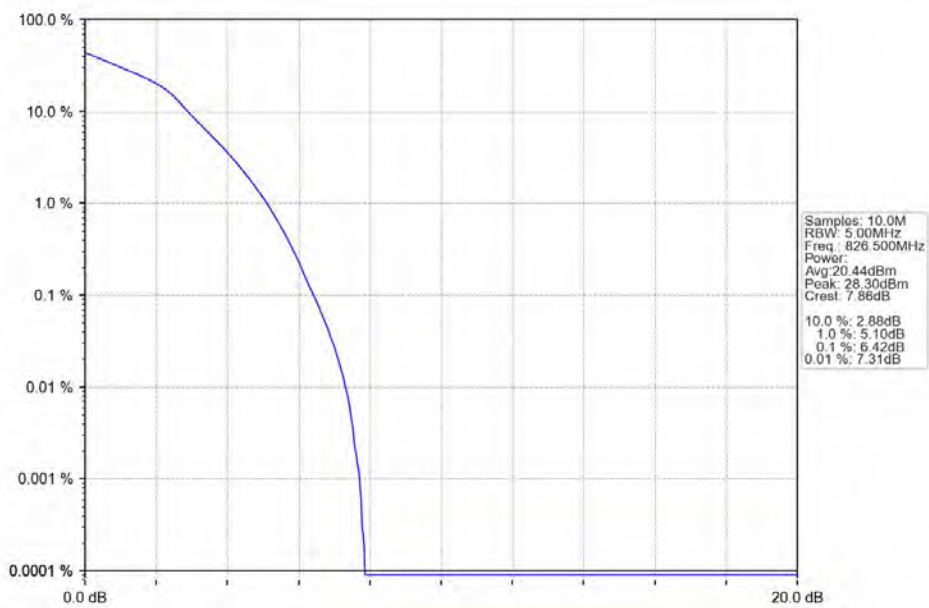


Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



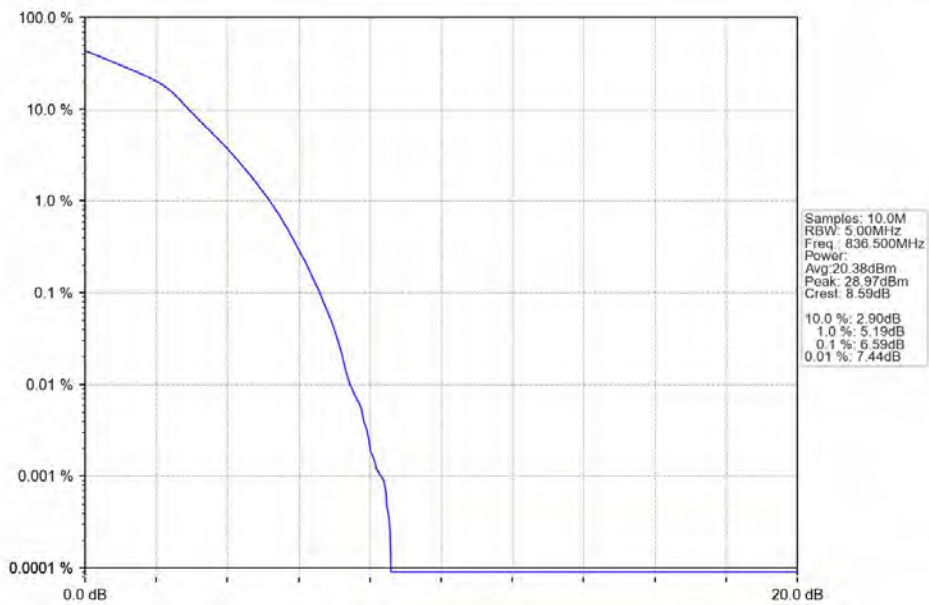
2024-08-09 12:17:58

Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



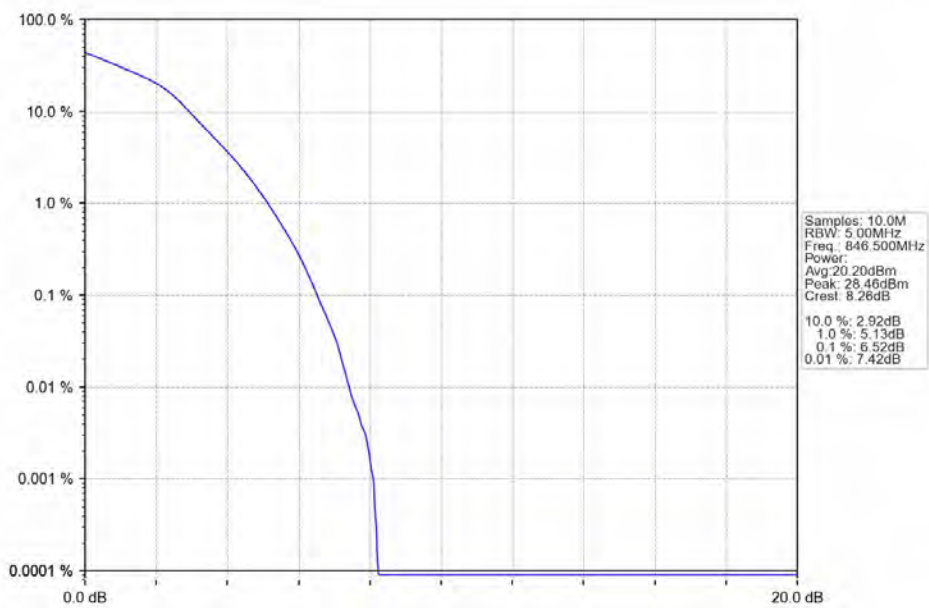
2024-08-09 12:17:14

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



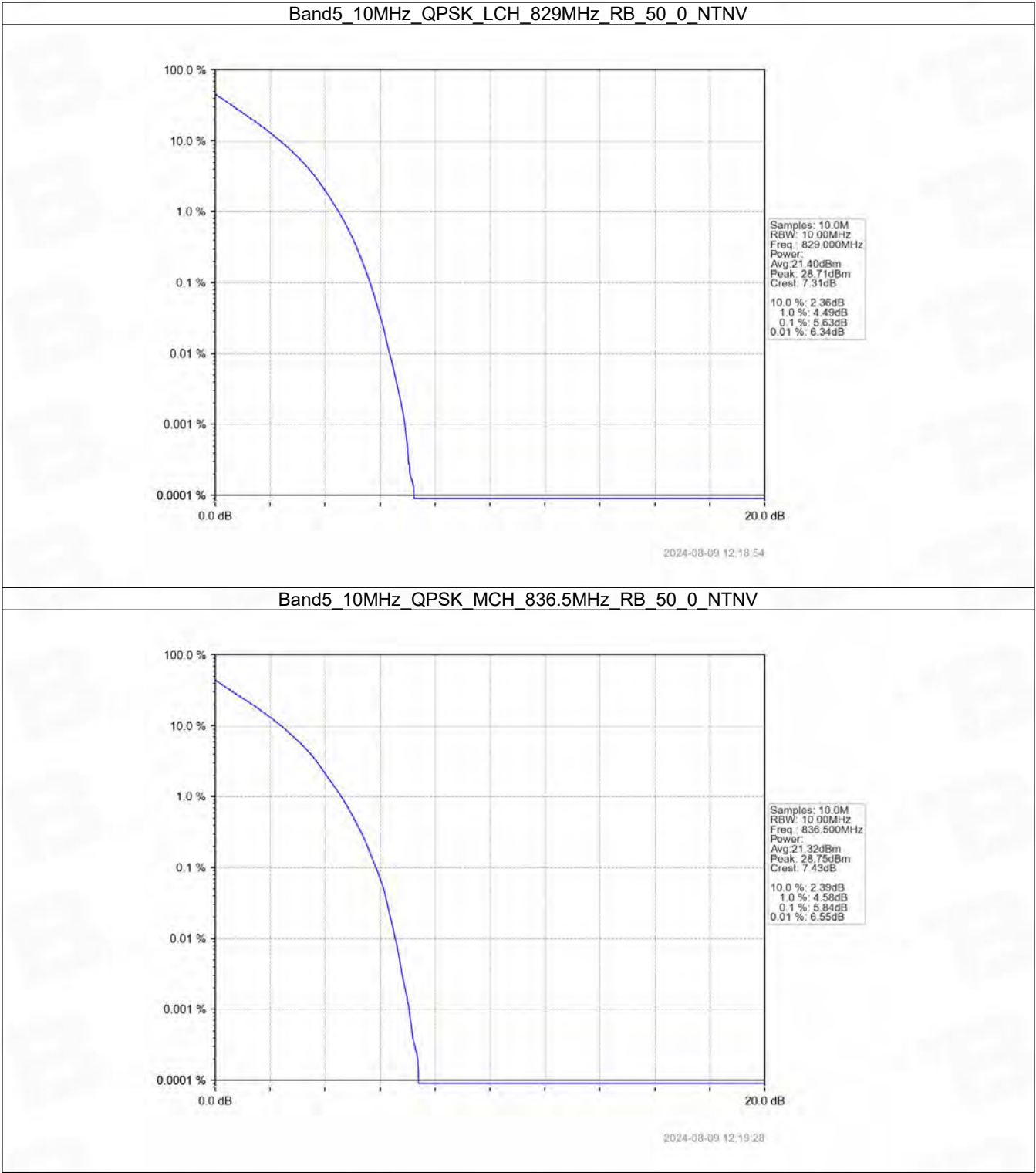
2024-08-09 12:17:43

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

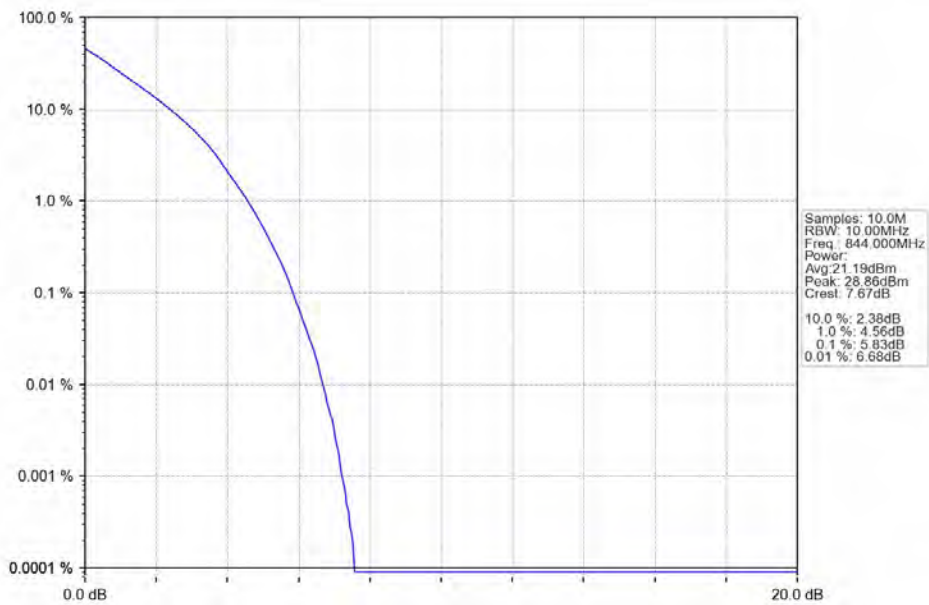


2024-08-09 12:18:12

5.2.4 B5_10MHz

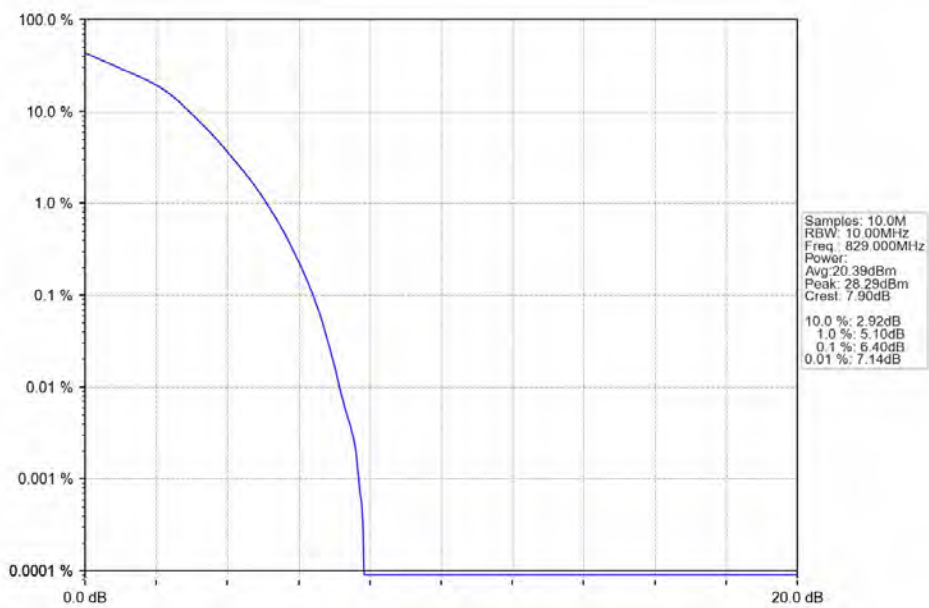


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



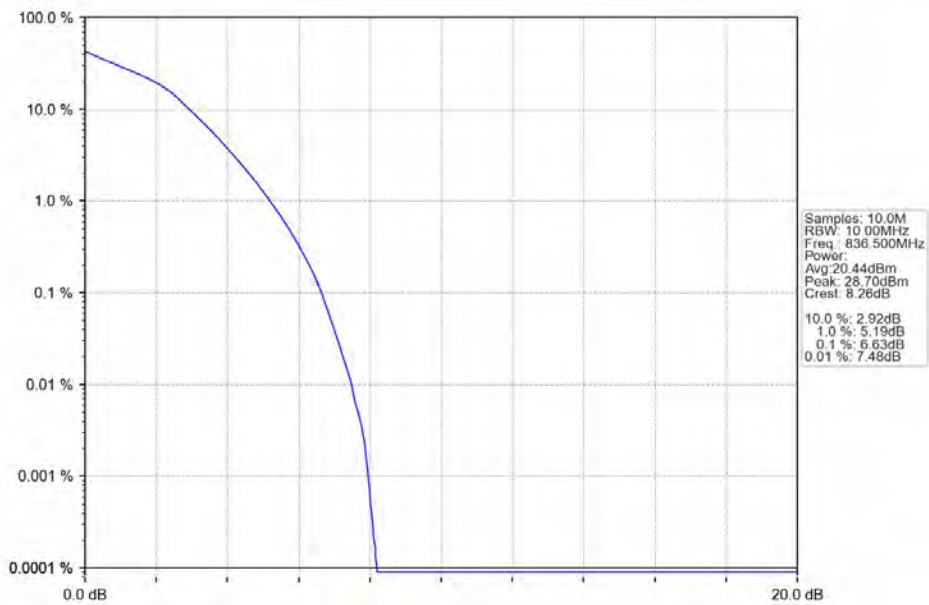
2024-08-09 12:20:05

Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



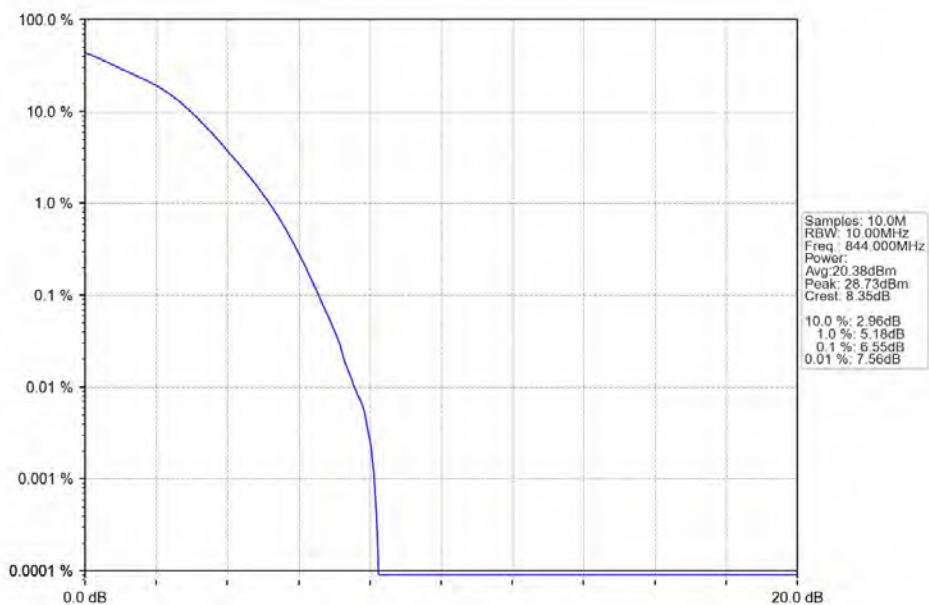
2024-08-09 12:19:10

Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



2024-08-09 12:19:46

Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



2024-08-09 12:20:22

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
			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
			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
			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
			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
			0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass

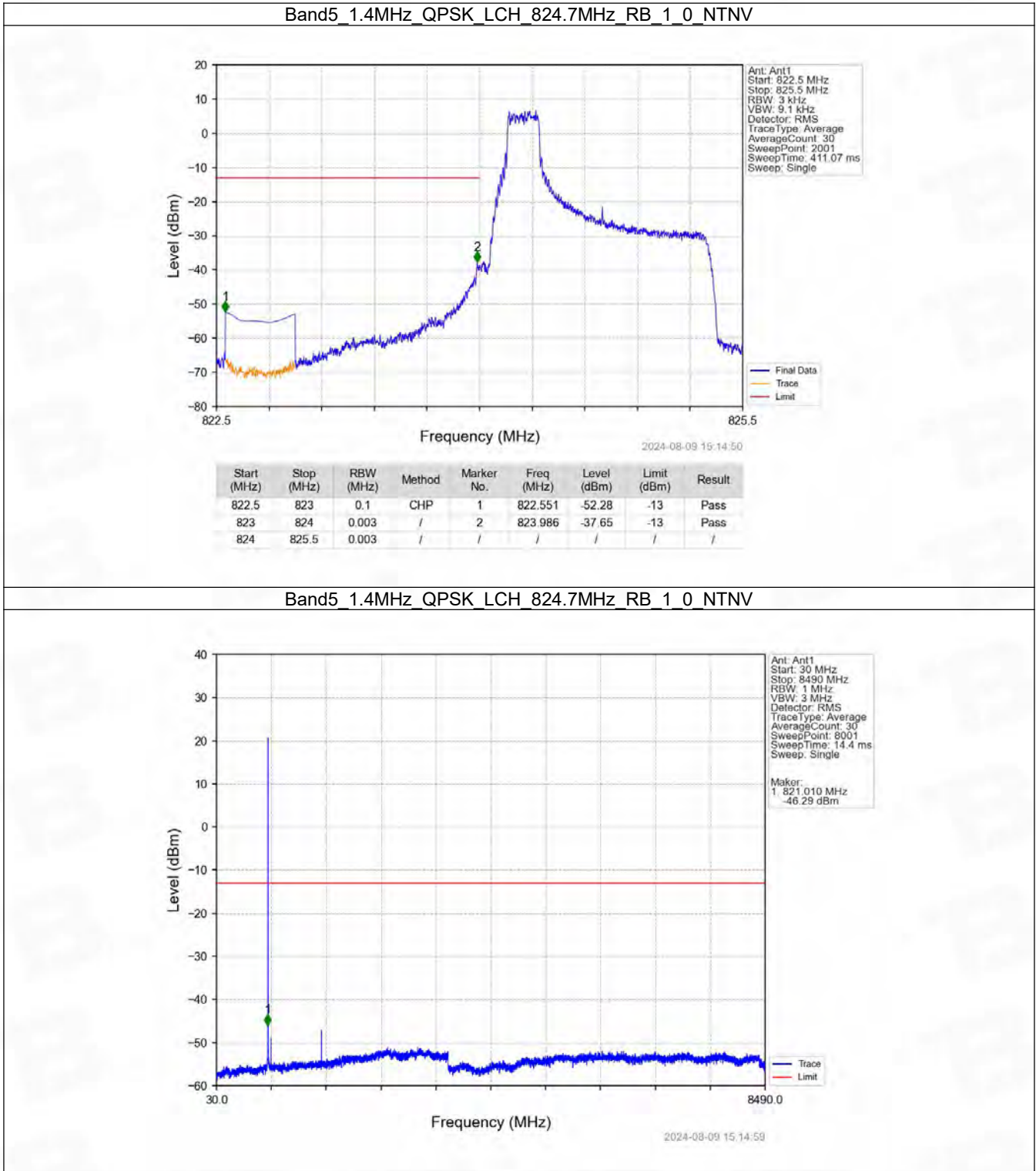
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

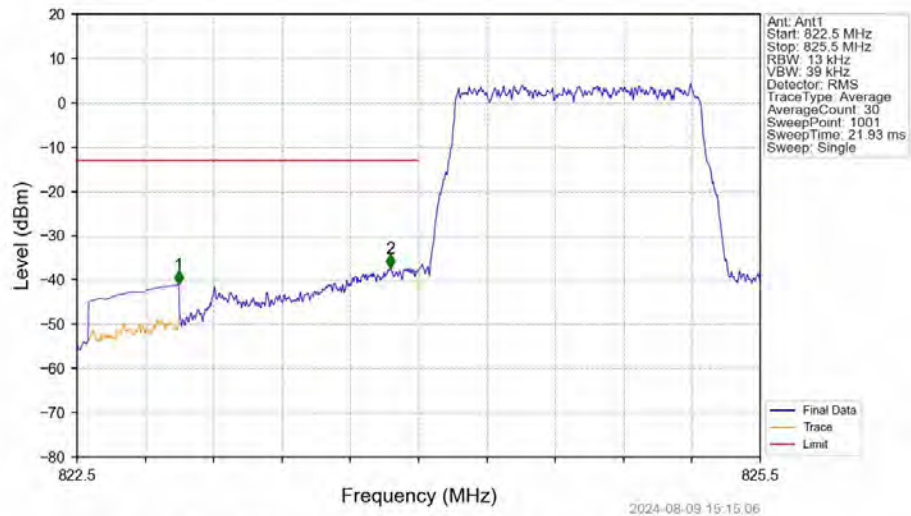
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

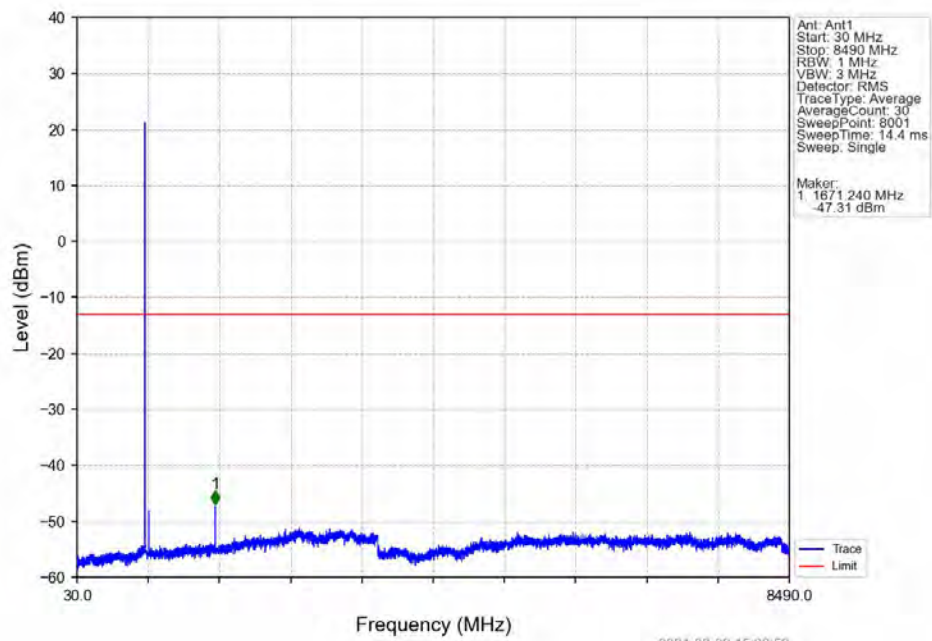


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

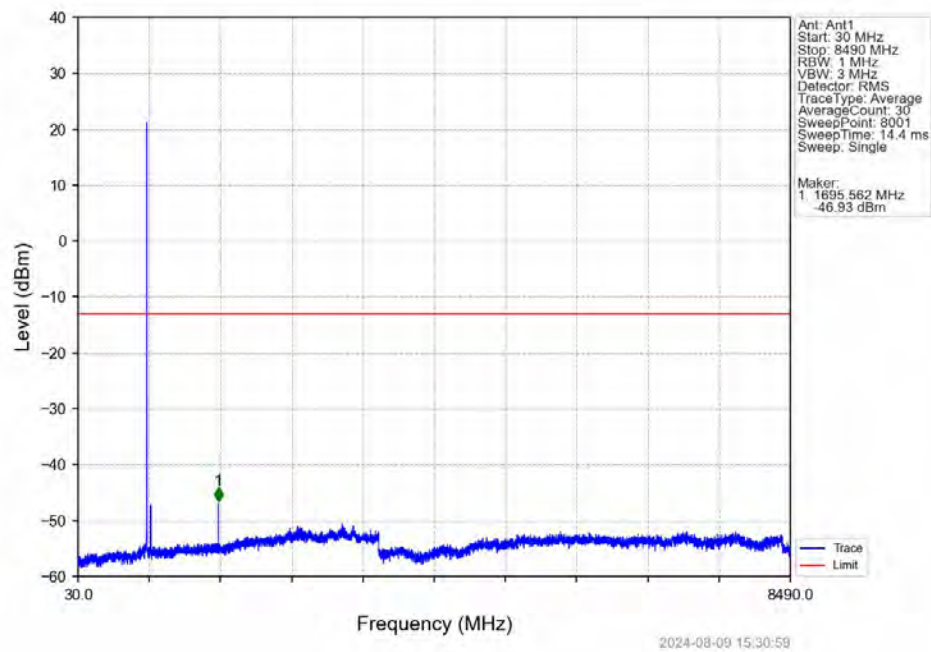


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-41.04	-13	Pass
823	824	0.013	/	2	823.877	-37.31	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

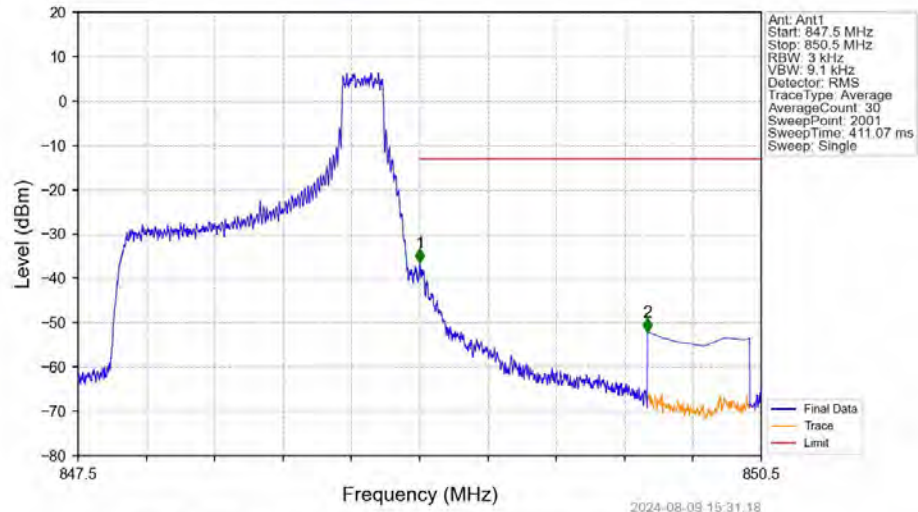
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

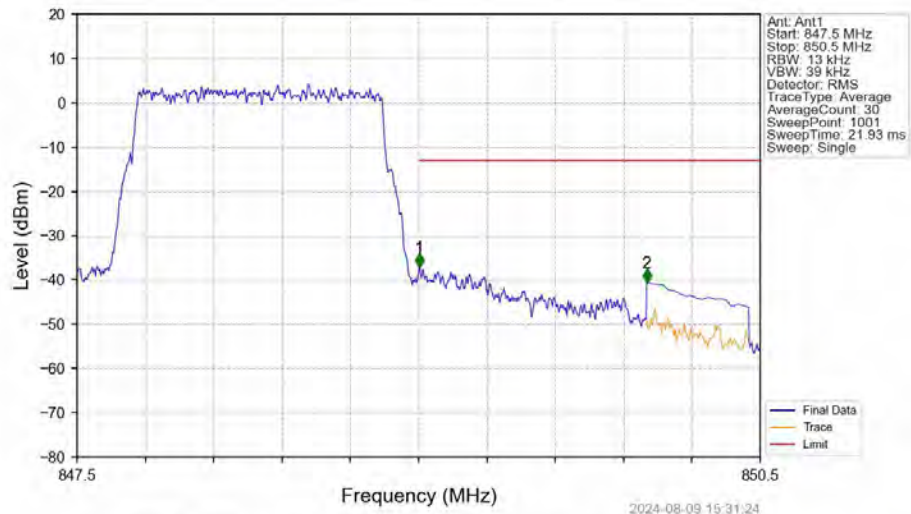


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



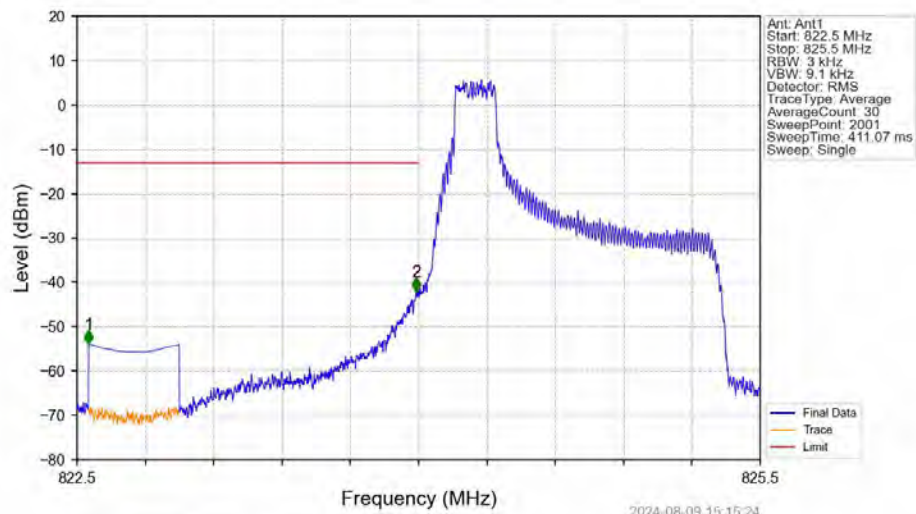
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-36.36	-13	Pass
850	850.5	0.1	CHP	2	850.000	-52.13	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



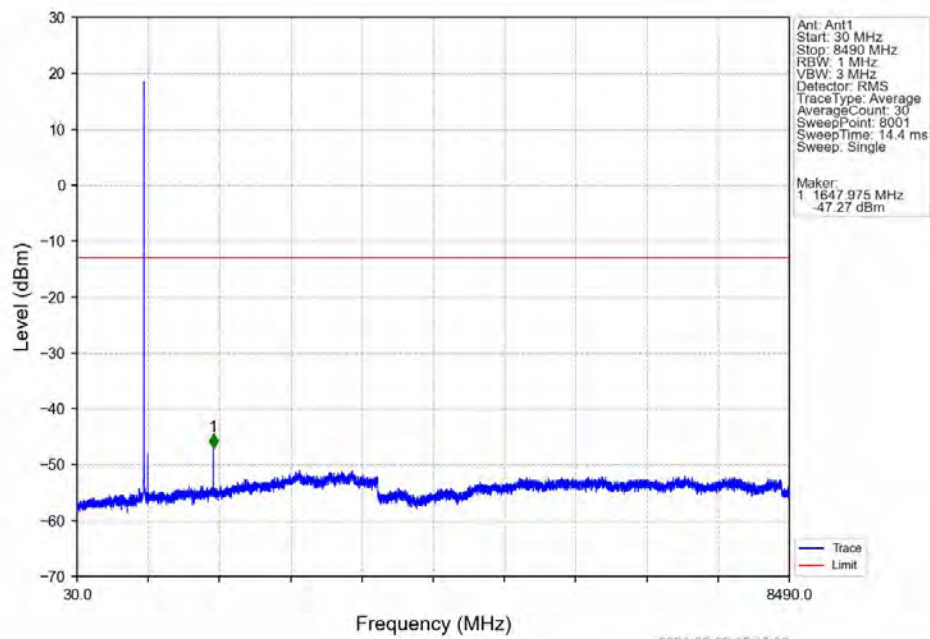
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.003	-37.11	-13	Pass
850	850.5	0.1	CHP	2	850.002	-40.55	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

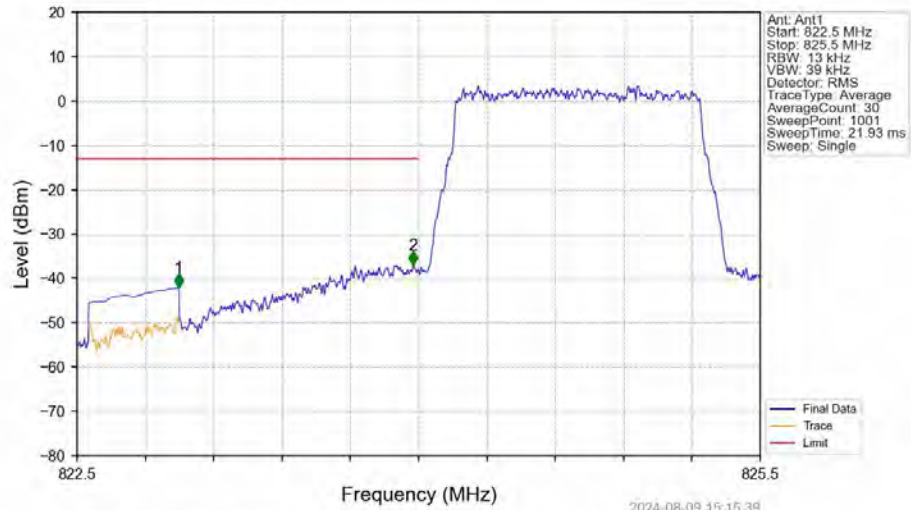


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-53.98	-13	Pass
823	824	0.003	/	2	823.990	-42.10	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

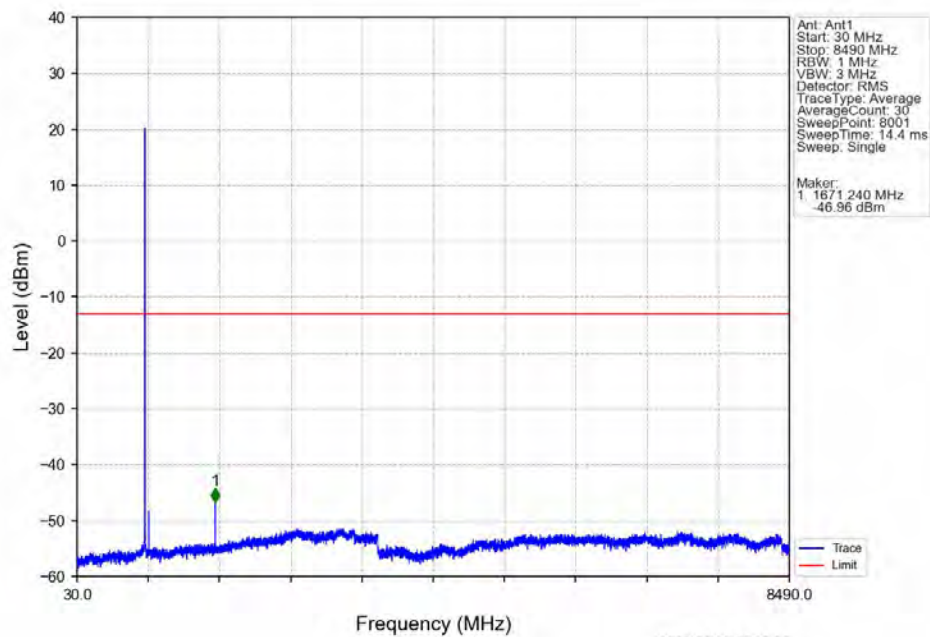


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

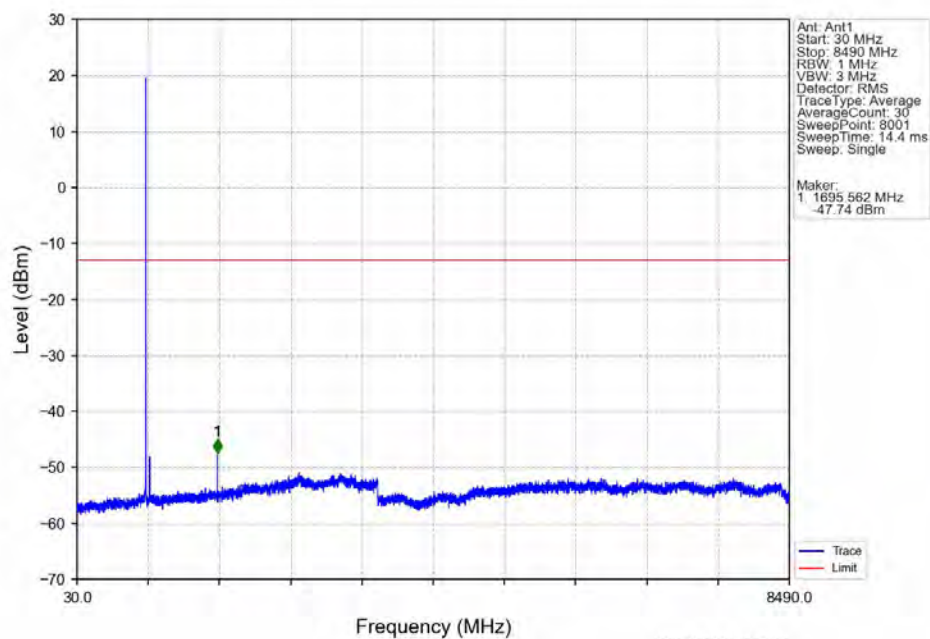


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-42.06	-13	Pass
823	824	0.013	/	2	823.976	-36.96	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

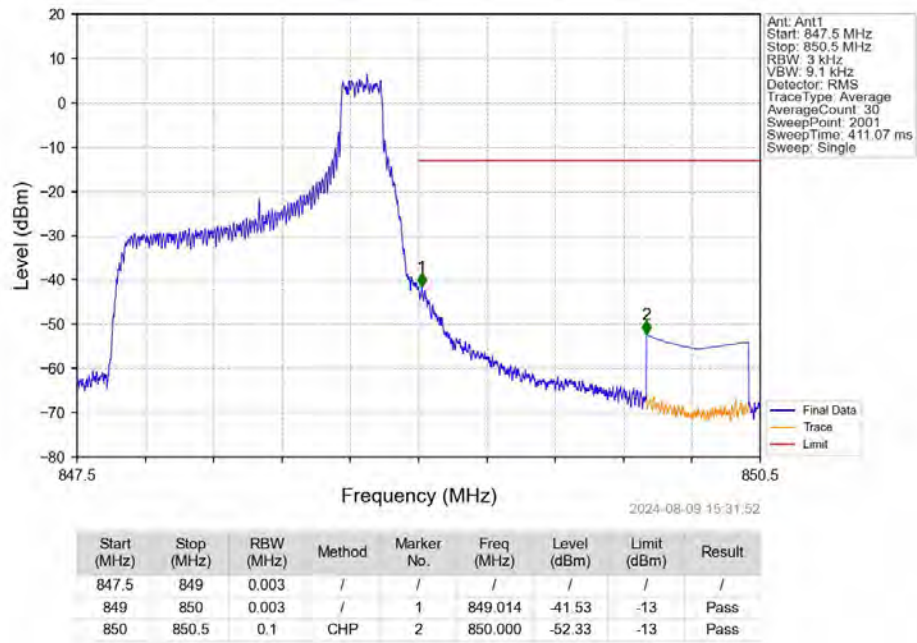
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



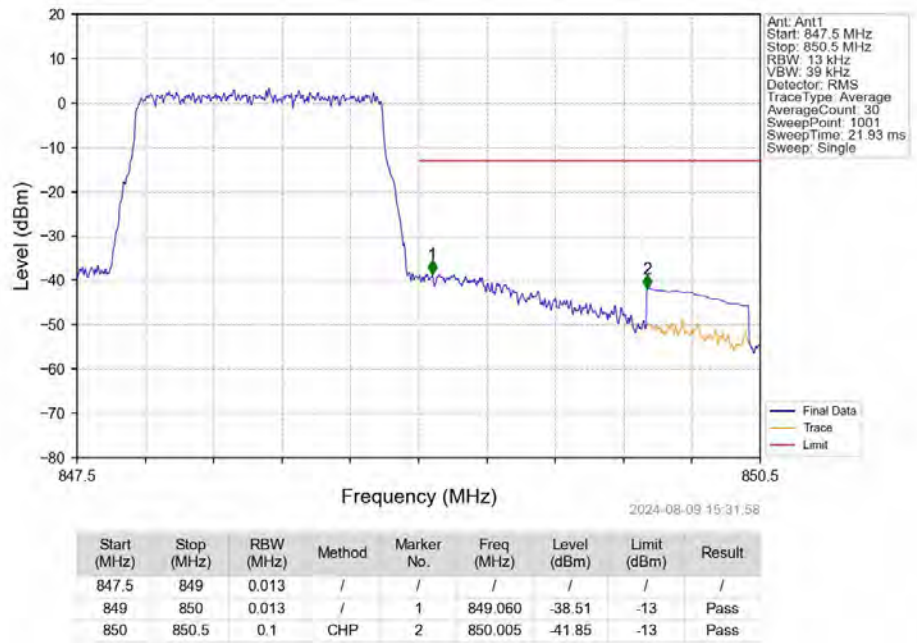
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



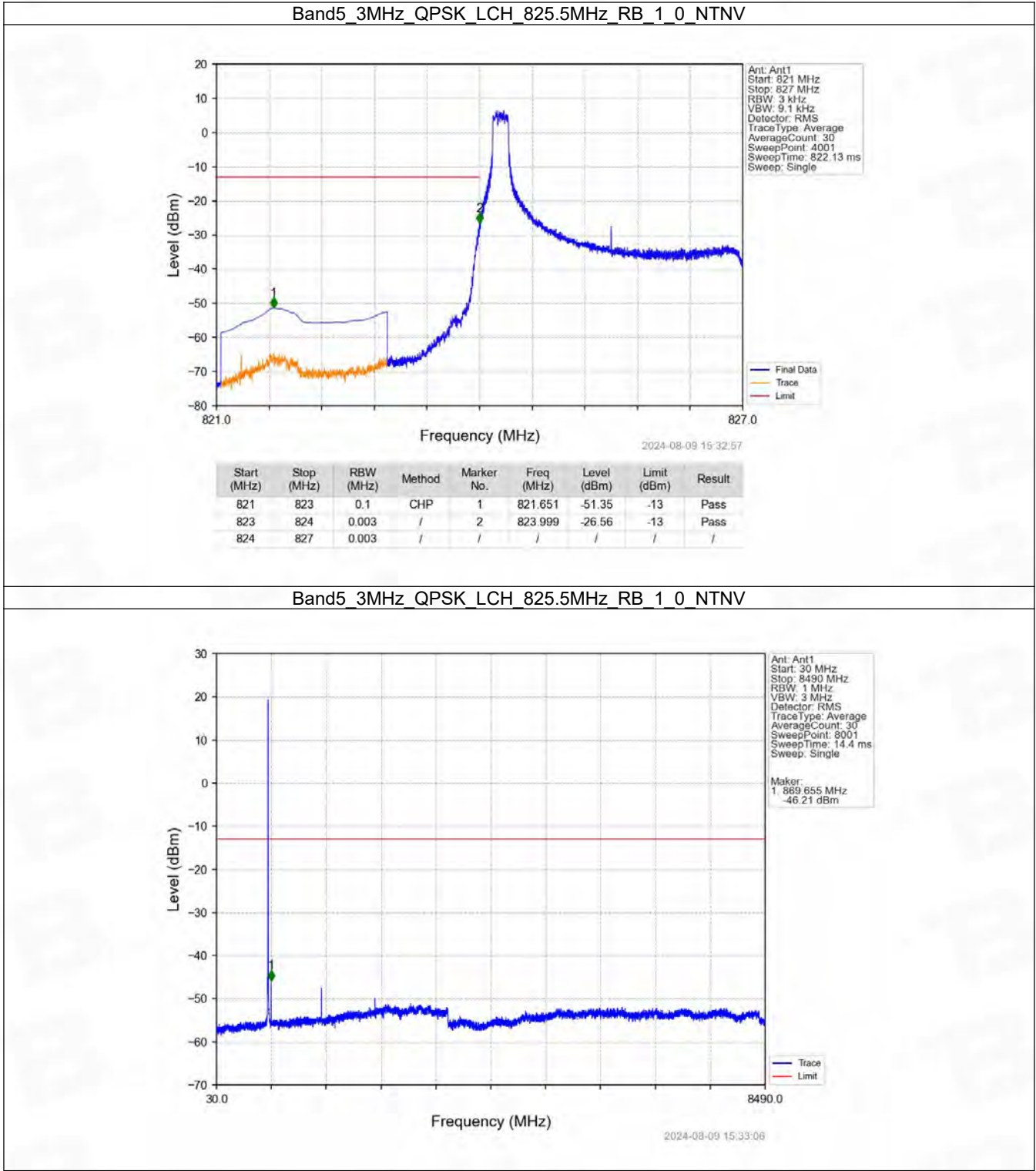
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



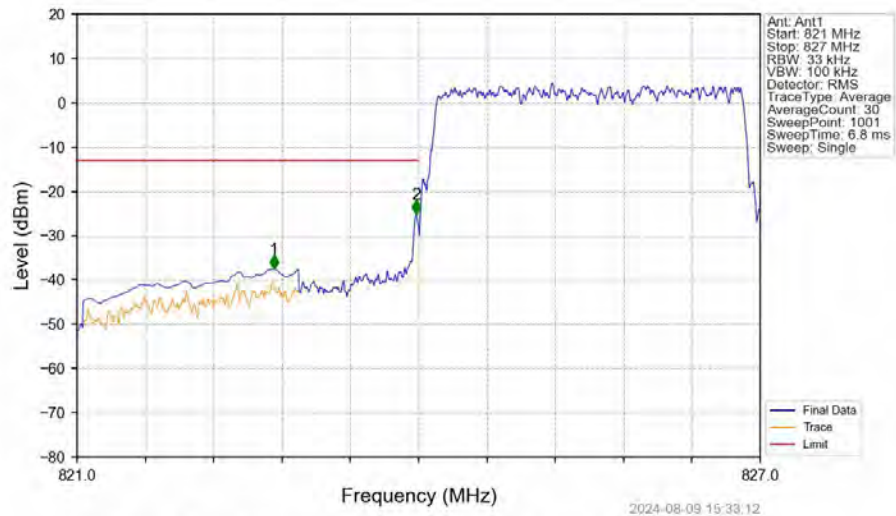
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



6.2.2 B5_3MHz

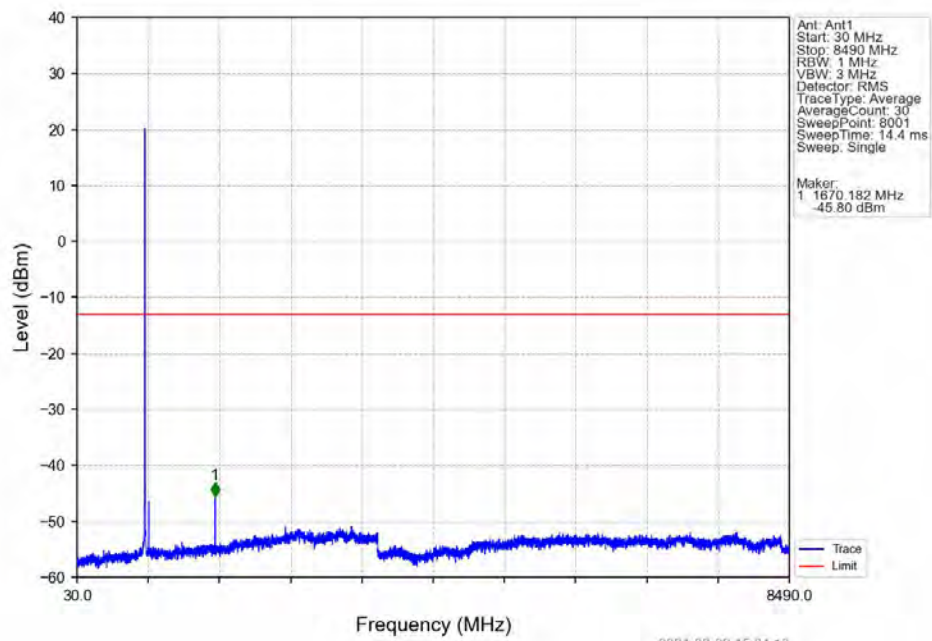


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

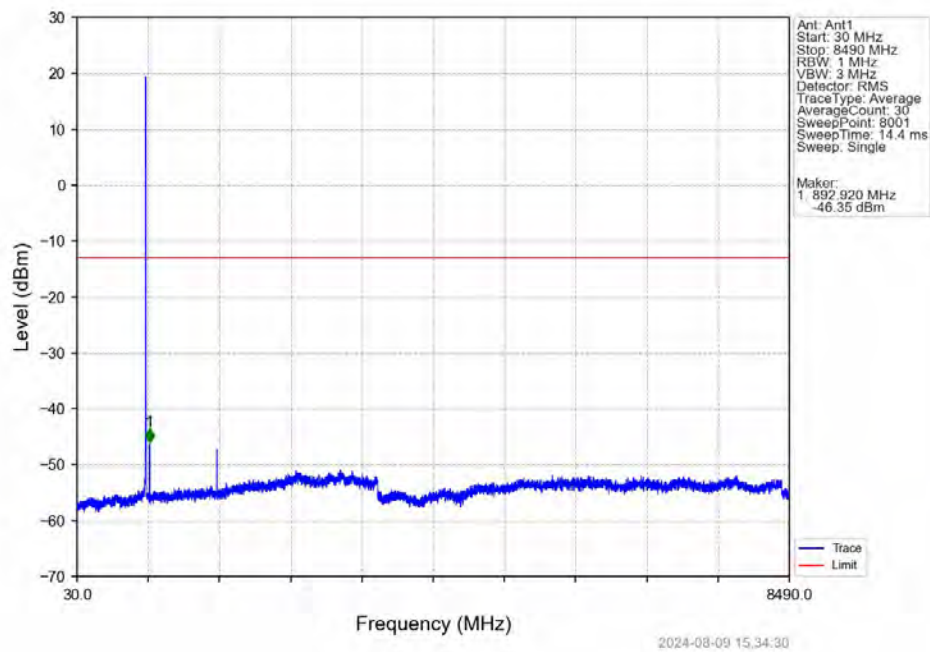


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.728	-37.55	-13	Pass
823	824	0.033	/	2	823.982	-25.06	-13	Pass
824	827	0.033	/	/	/	/	/	/

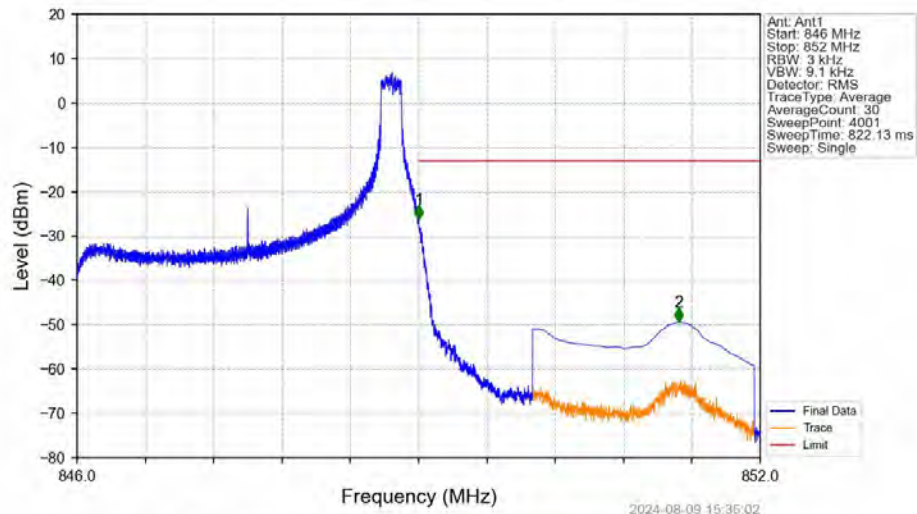
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

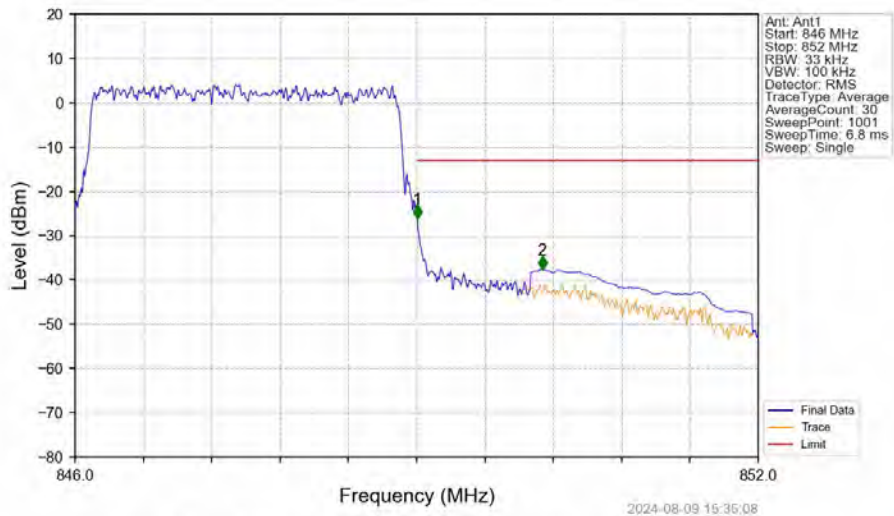


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



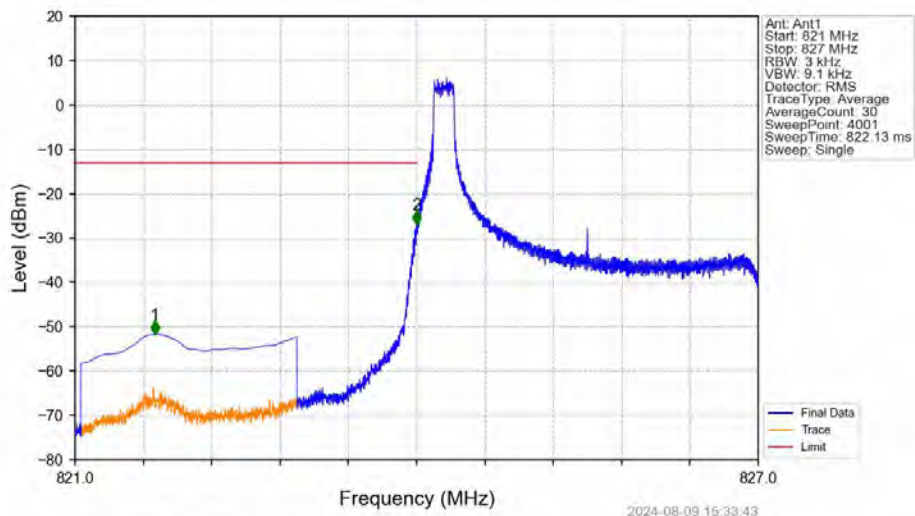
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-26.19	-13	Pass
850	852	0.1	CHP	2	851.284	-49.38	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



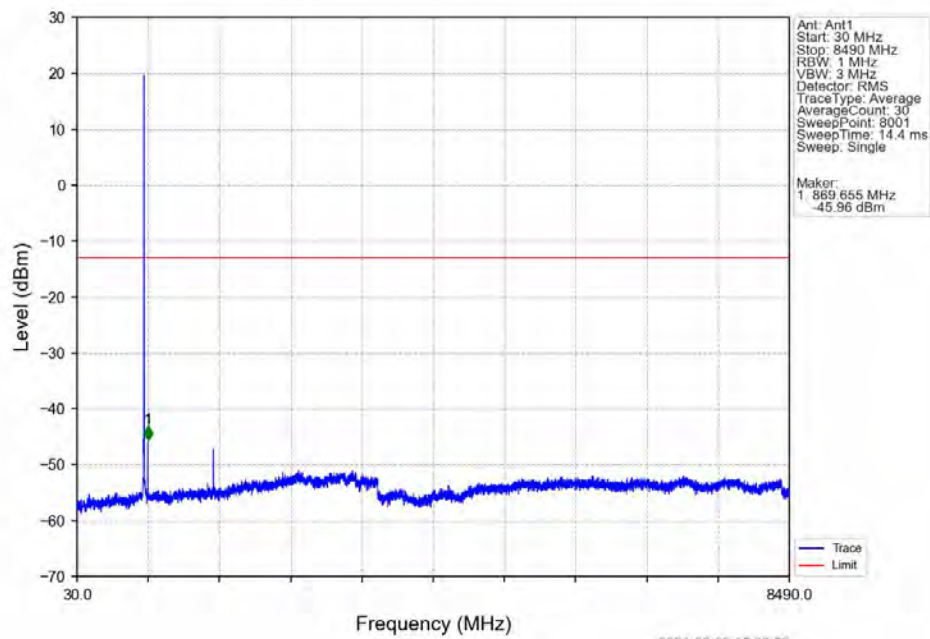
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.006	-26.18	-13	Pass
850	852	0.1	CHP	2	850.104	-37.65	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

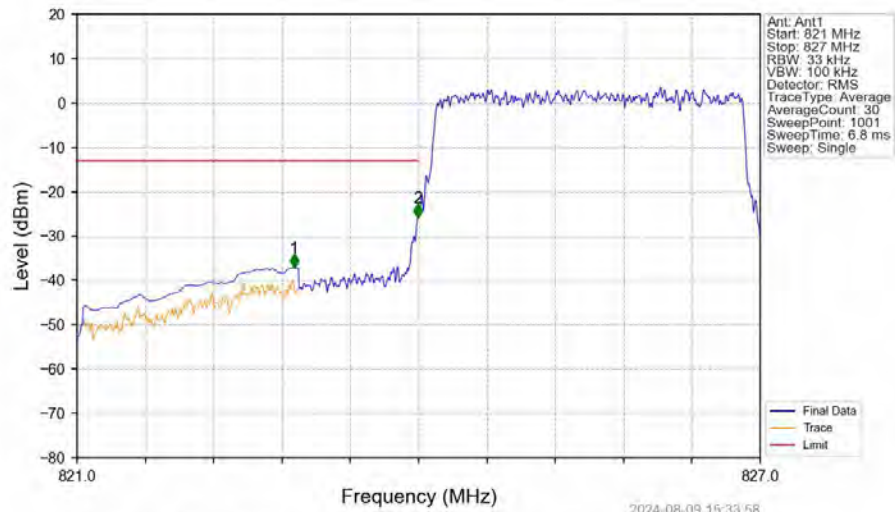


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.699	-51.69	-13	Pass
823	824	0.003	/	2	823.999	-26.95	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

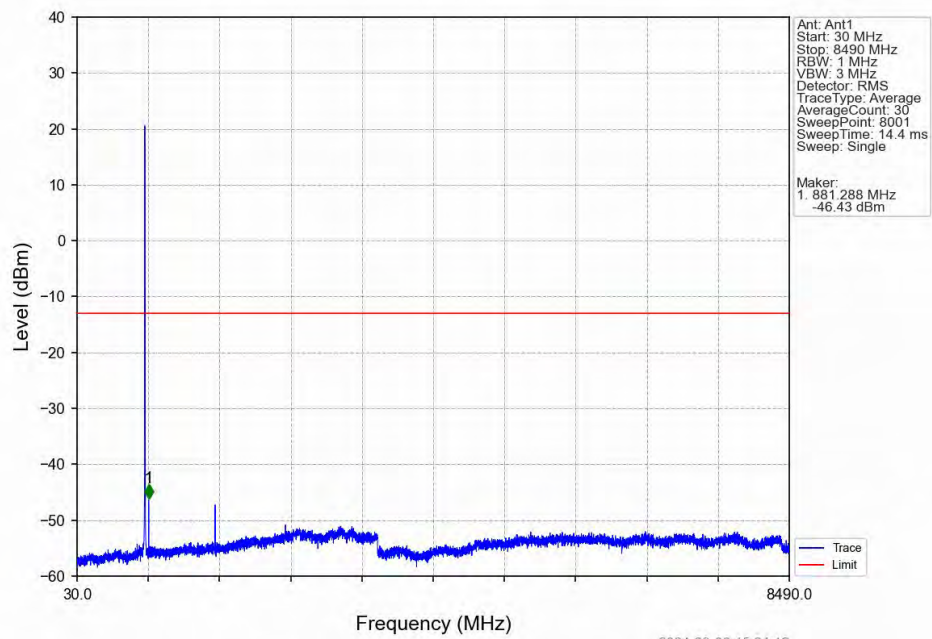


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

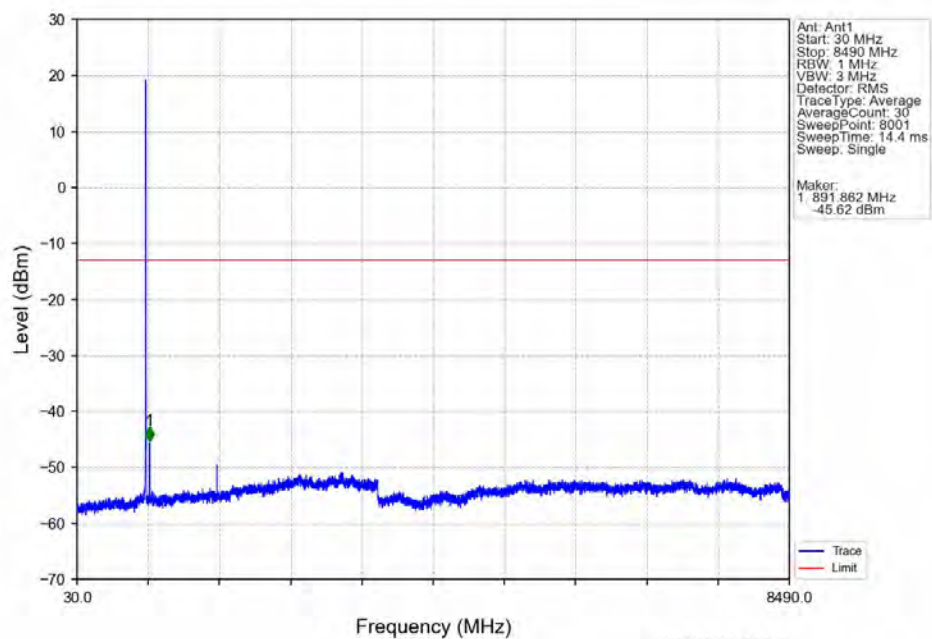


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-37.15	-13	Pass
823	824	0.033	/	2	823.994	-25.90	-13	Pass
824	827	0.033	/	/	/	/	/	/

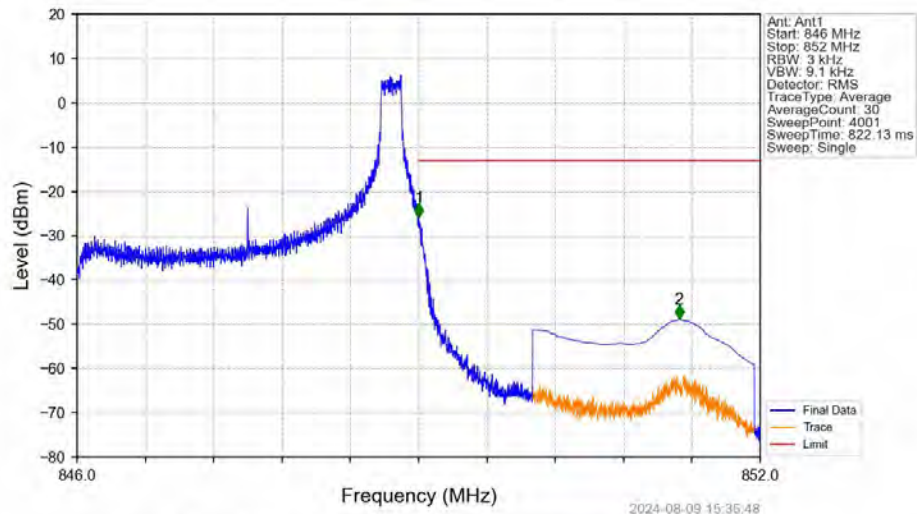
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV

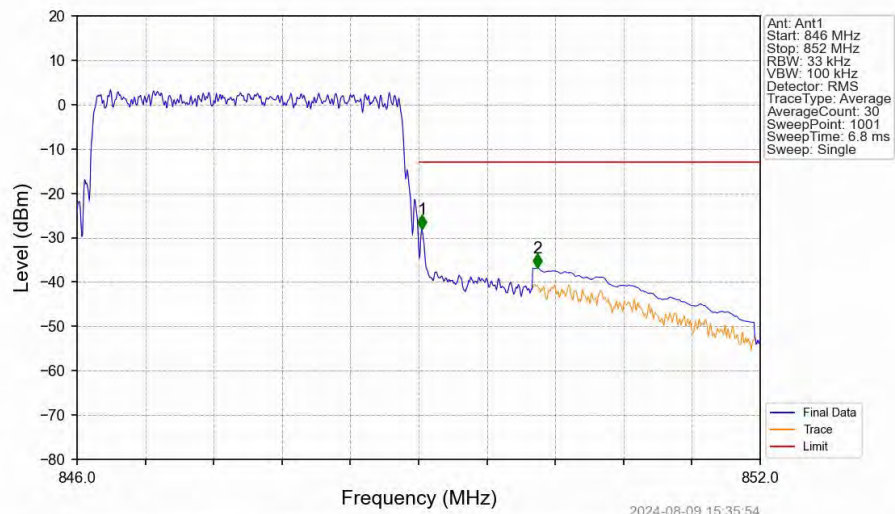


Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



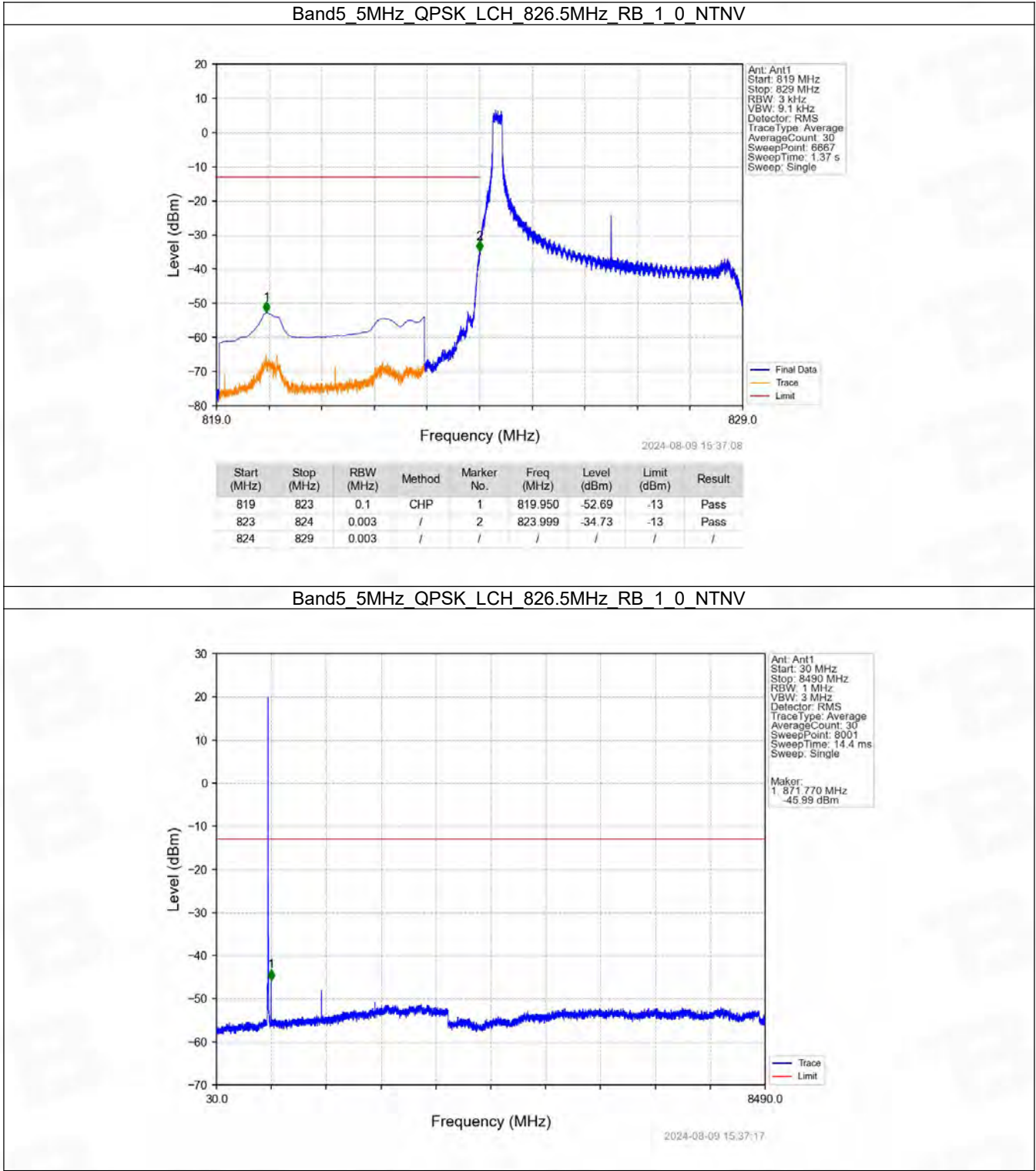
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-25.84	-13	Pass
850	852	0.1	CHP	2	851.288	-48.88	-13	Pass

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

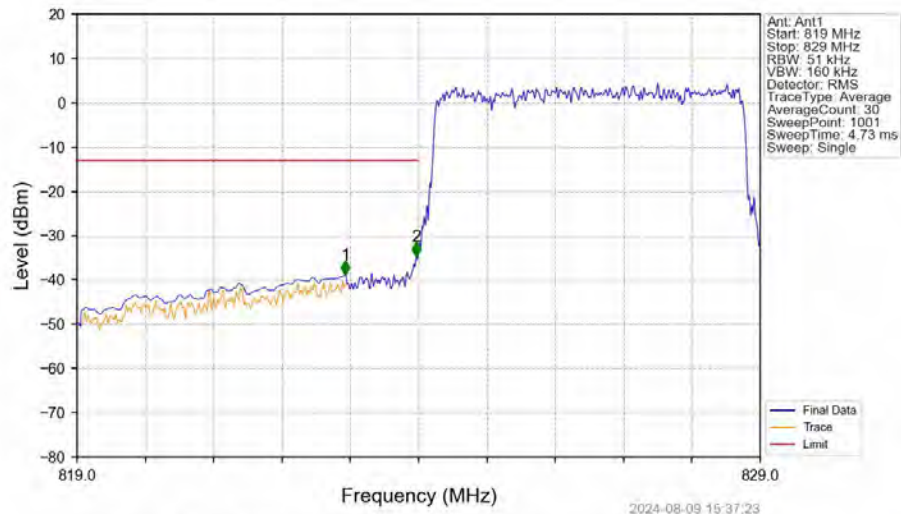


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.030	-28.11	-13	Pass
850	852	0.1	CHP	2	850.044	-36.86	-13	Pass

6.2.3 B5_5MHz

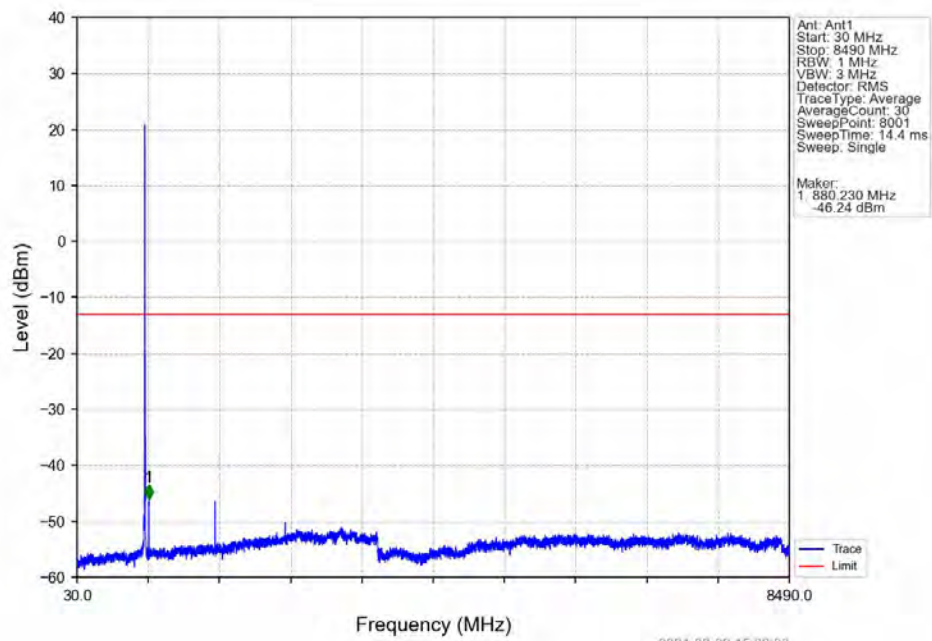


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

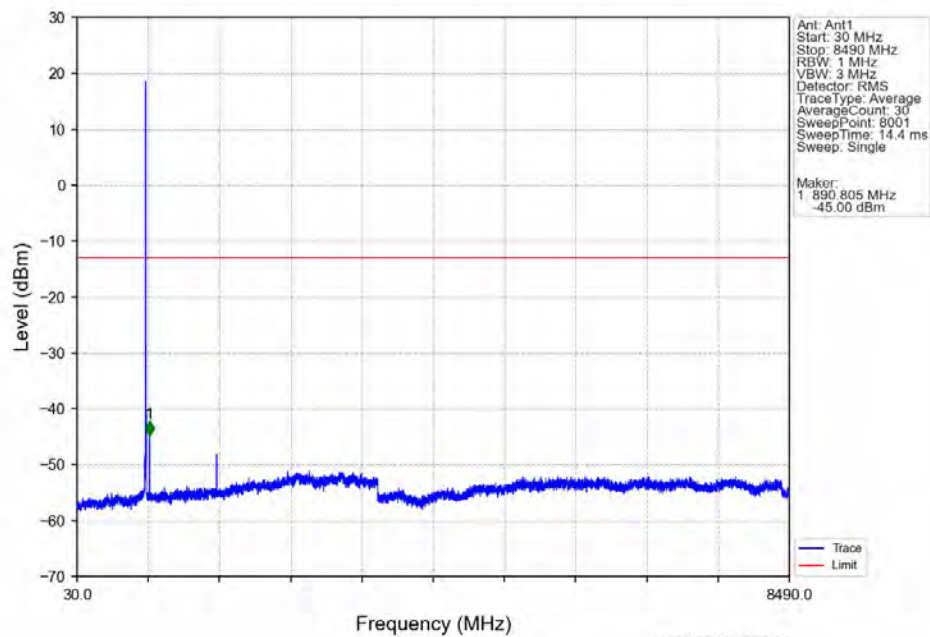


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.930	-38.78	-13	Pass
823	824	0.051	/	2	823.970	-34.57	-13	Pass
824	829	0.051	/	/	/	/	/	/

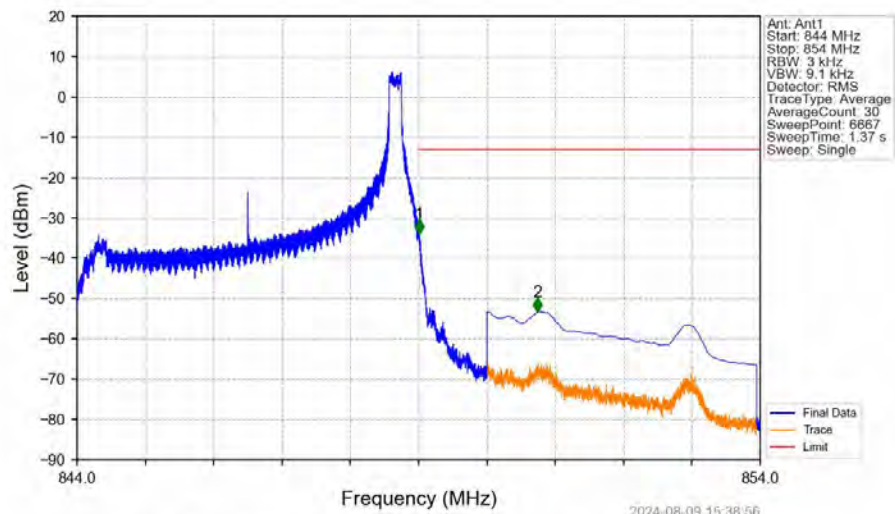
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

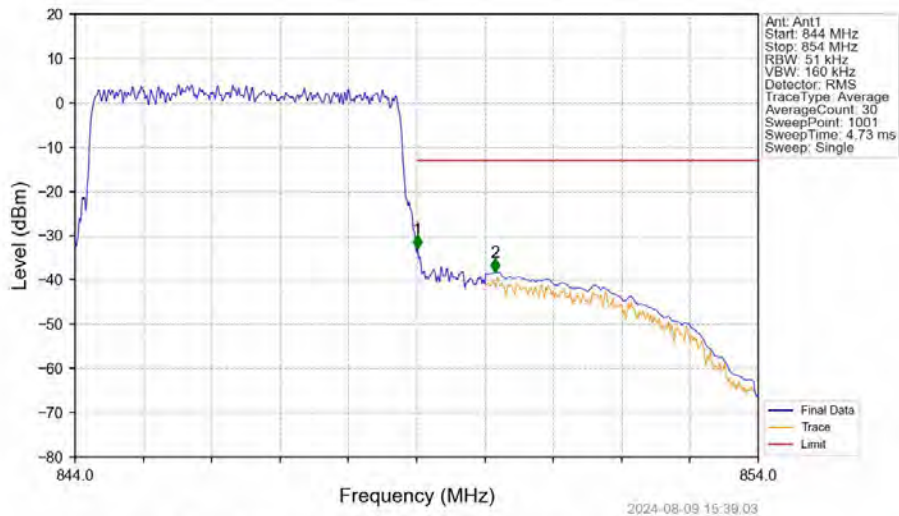


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



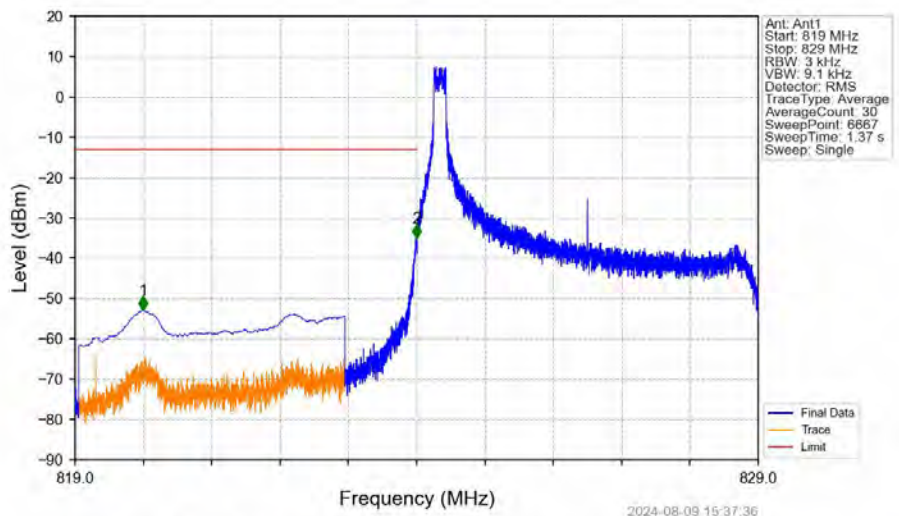
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-33.88	-13	Pass
850	854	0.1	CHP	2	850.743	-53.22	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



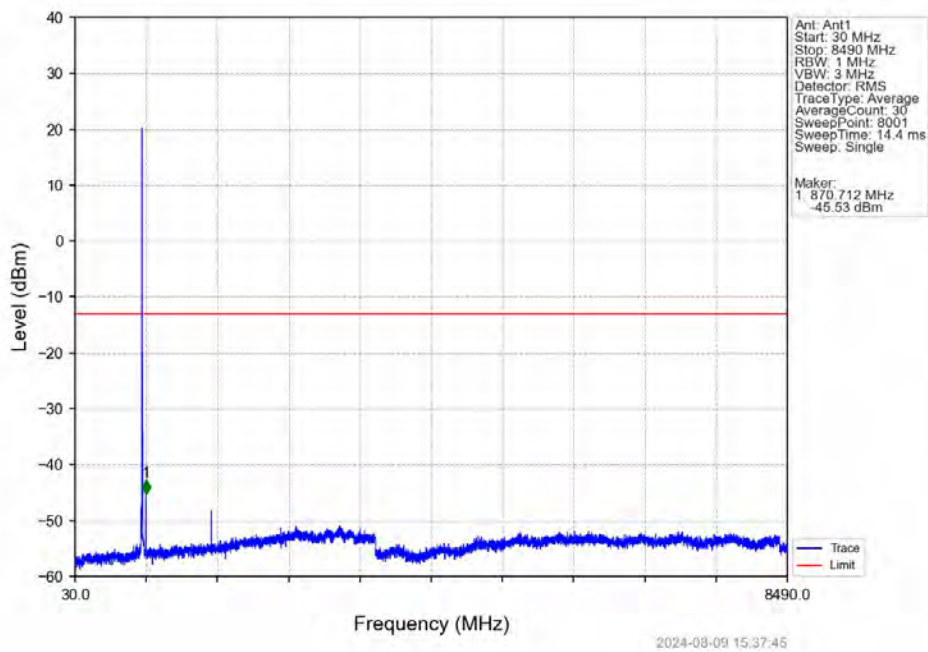
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-32.90	-13	Pass
850	854	0.1	CHP	2	850.150	-38.16	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

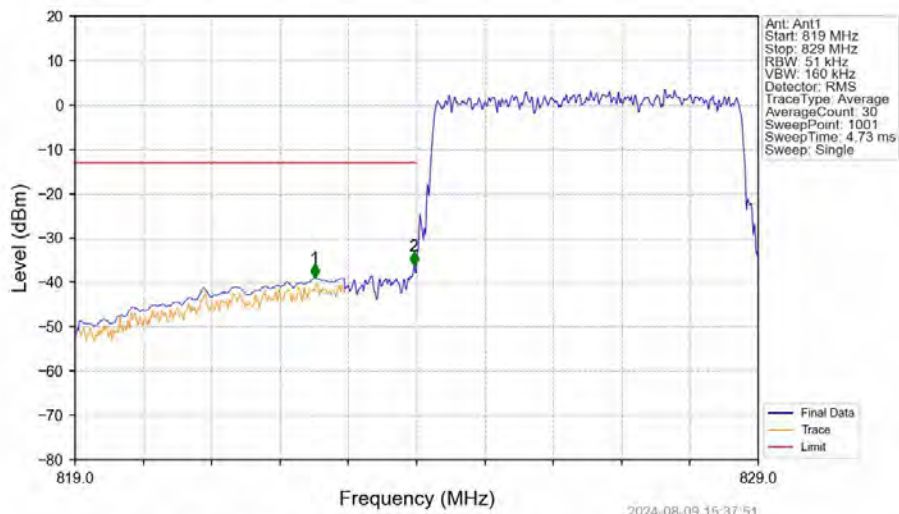


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	819.995	-52.80	-13	Pass
823	824	0.003	/	2	823.999	-34.97	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

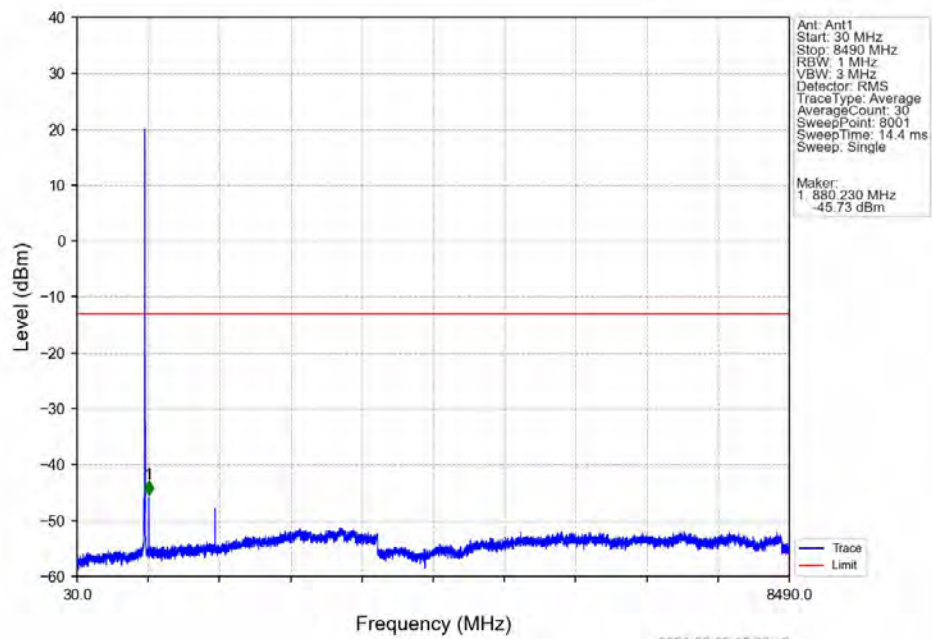


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

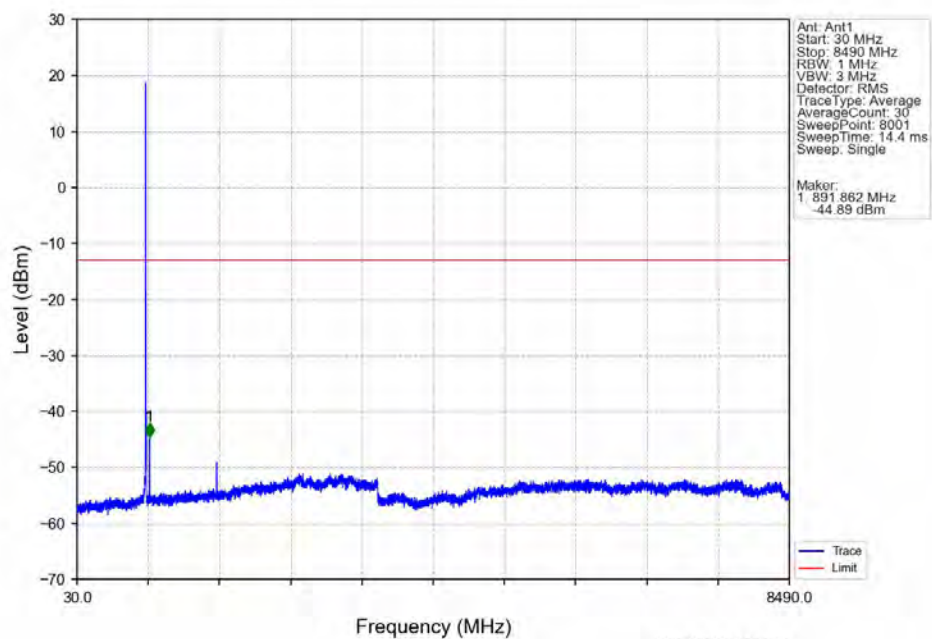


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.510	-38.92	-13	Pass
823	824	0.051	/	2	823.960	-36.26	-13	Pass
824	829	0.051	/	/	/	/	/	/

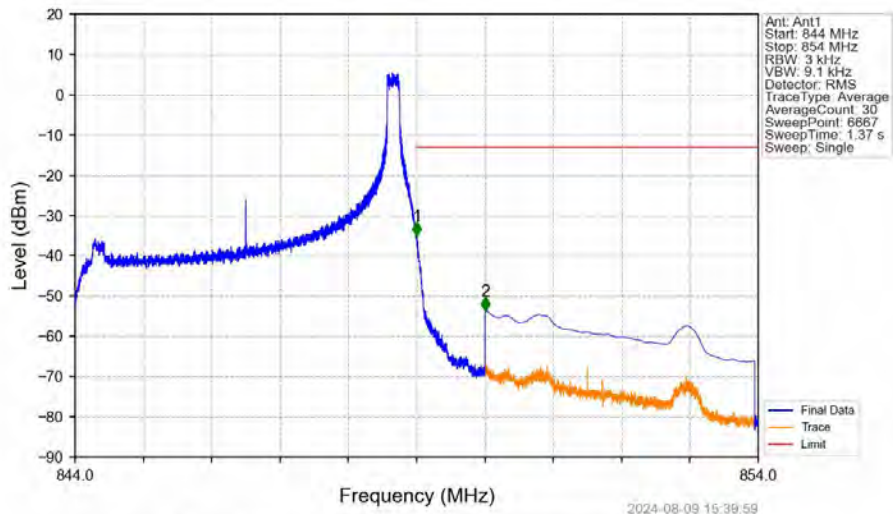
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



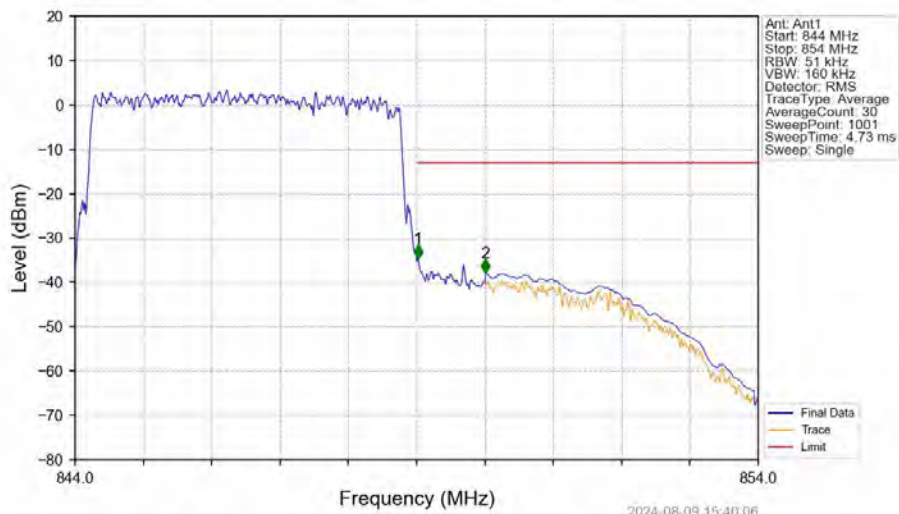
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



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	-35.00	-13	Pass
850	854	0.1	CHP	2	850.004	-53.73	-13	Pass

2024-08-09 16:39:59

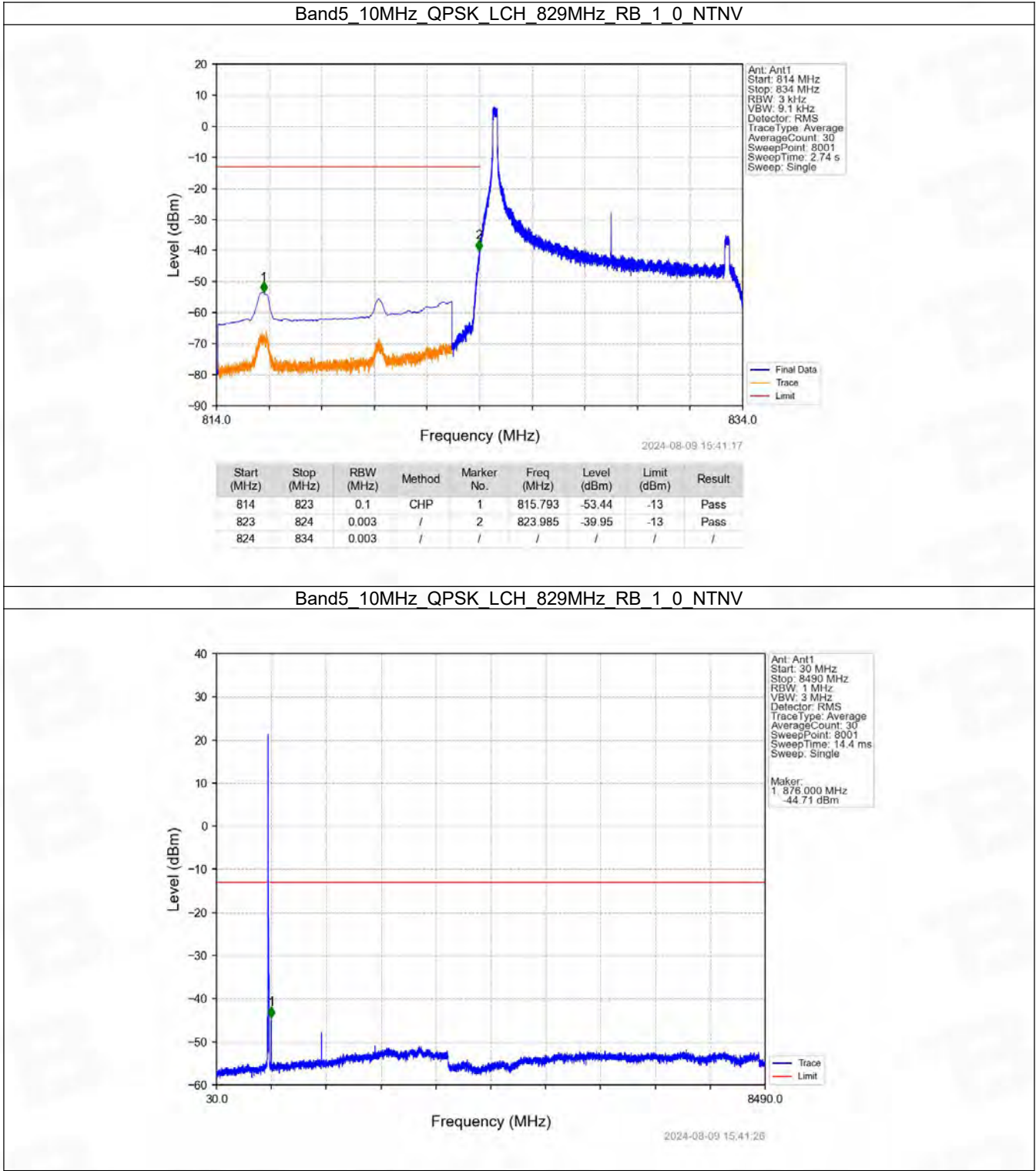
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



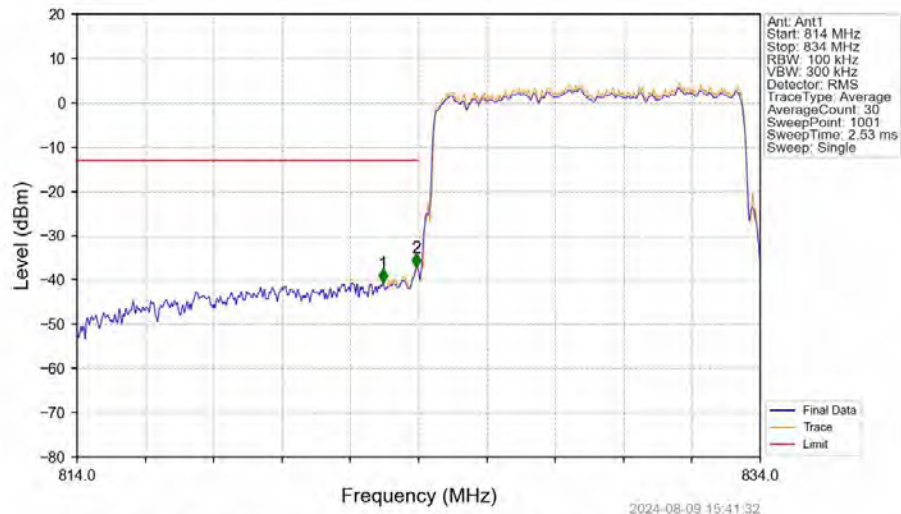
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.020	-34.50	-13	Pass
850	854	0.1	CHP	2	850.010	-37.90	-13	Pass

2024-08-09 15:40:06

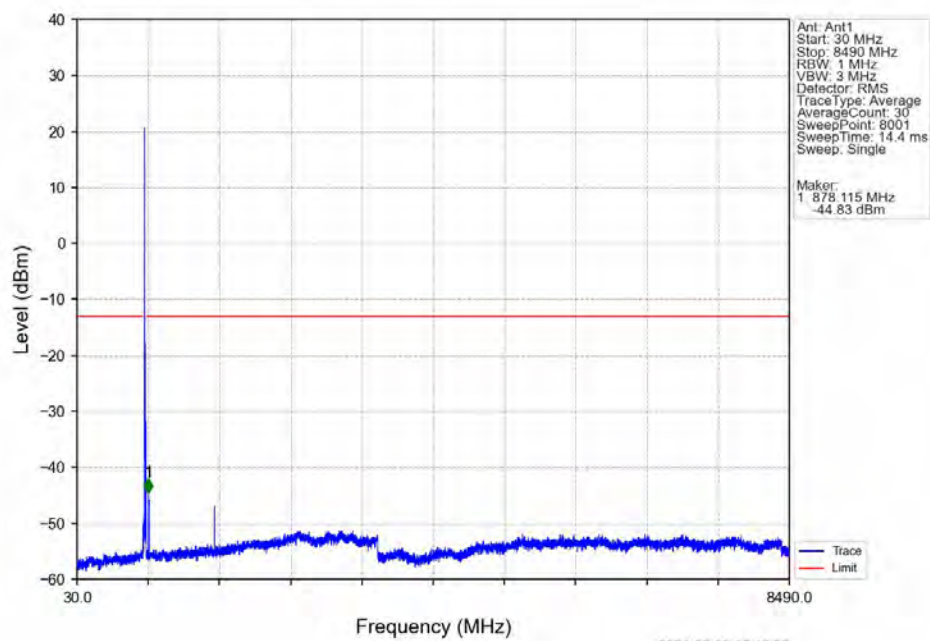
6.2.4 B5_10MHz



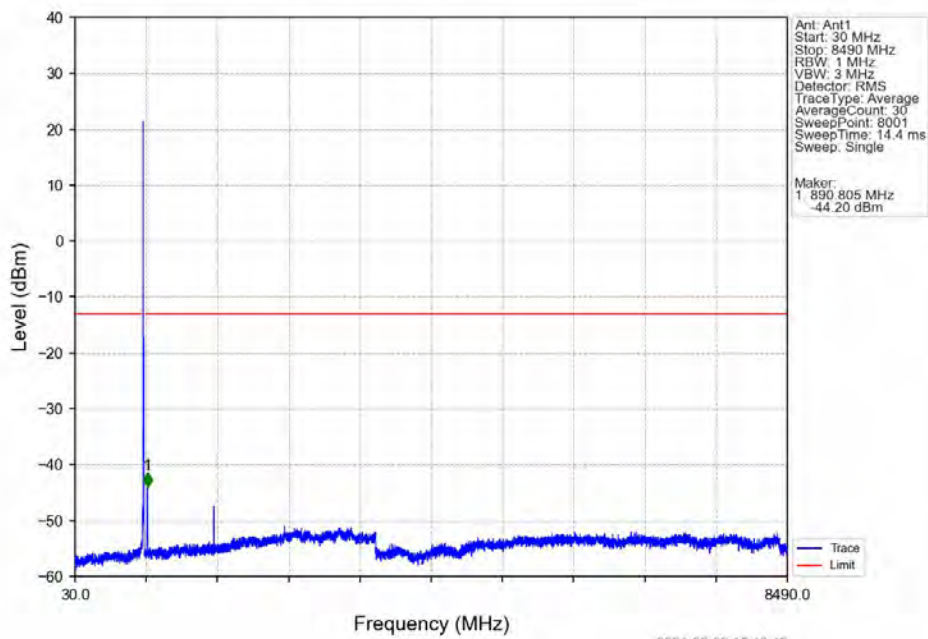
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



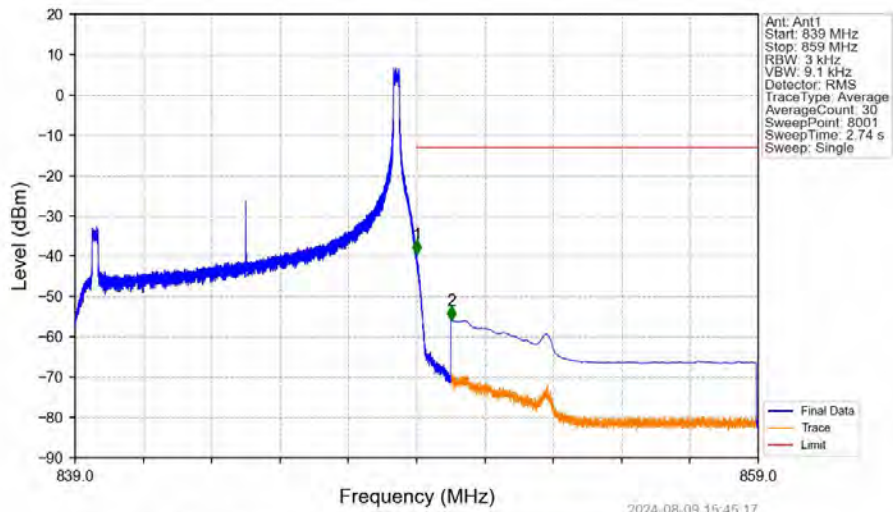
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

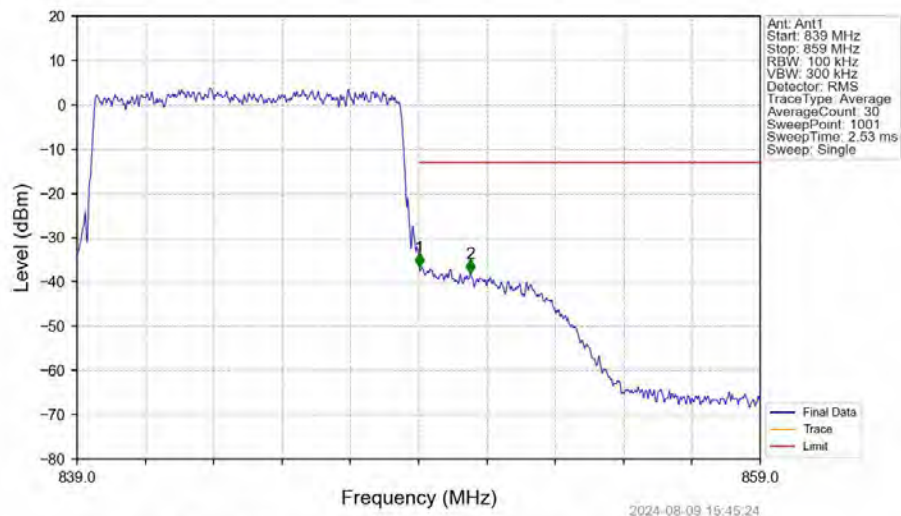


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



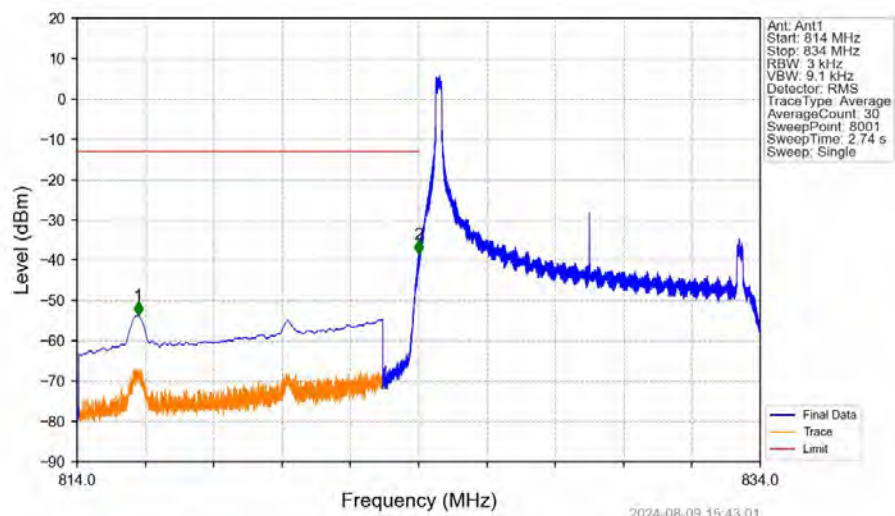
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.010	-39.43	-13	Pass
850	859	0.1	CHP	2	850.025	-55.82	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



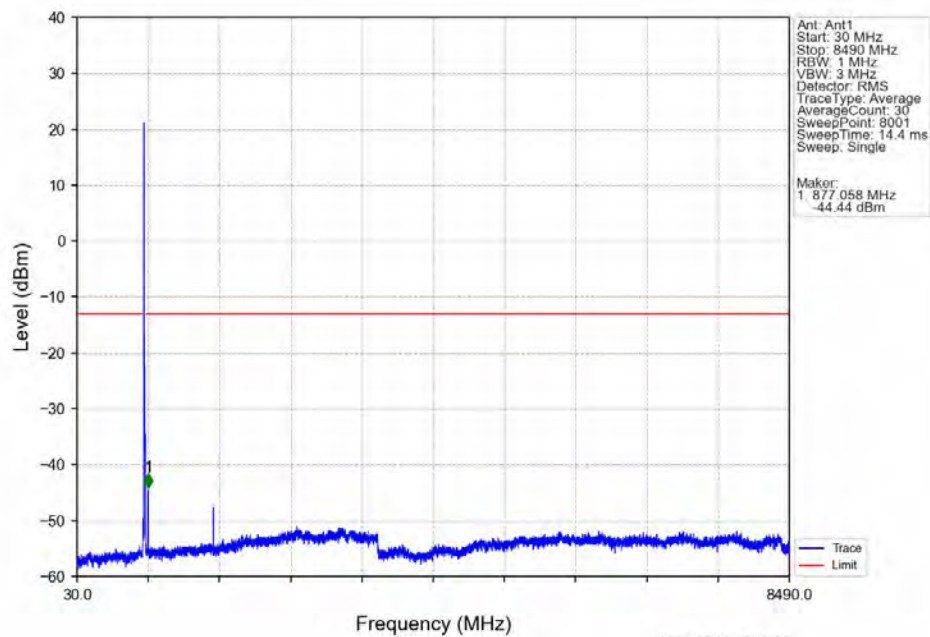
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.020	-36.55	-13	Pass
850	859	0.1	/	2	850.520	-38.02	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

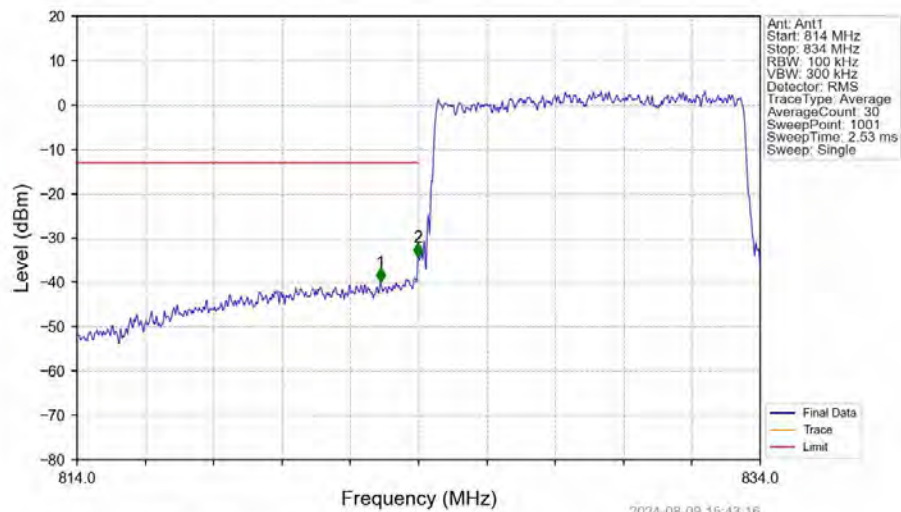


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	815.790	-53.66	-13	Pass
823	824	0.003	/	2	823.997	-38.44	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

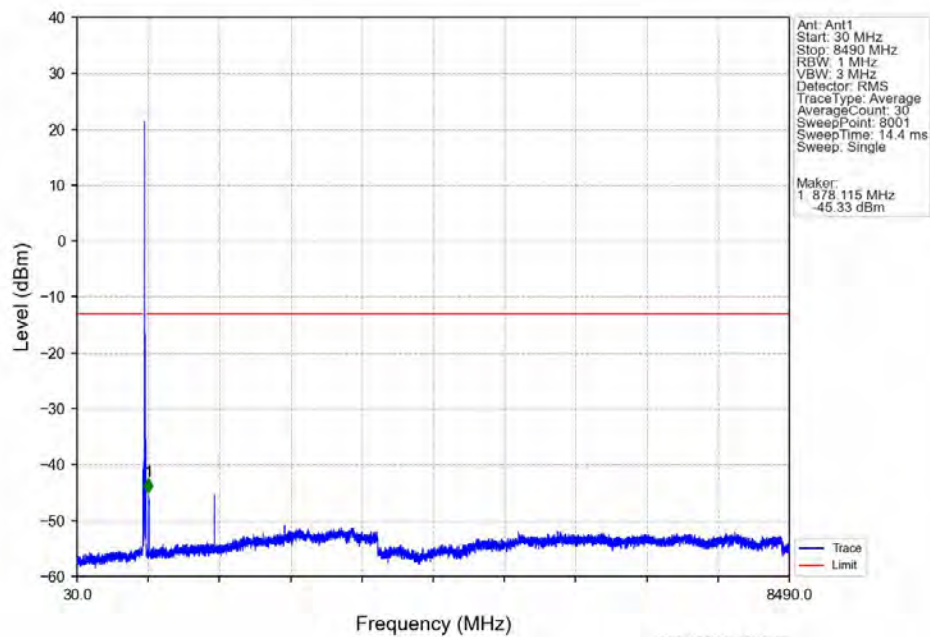


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

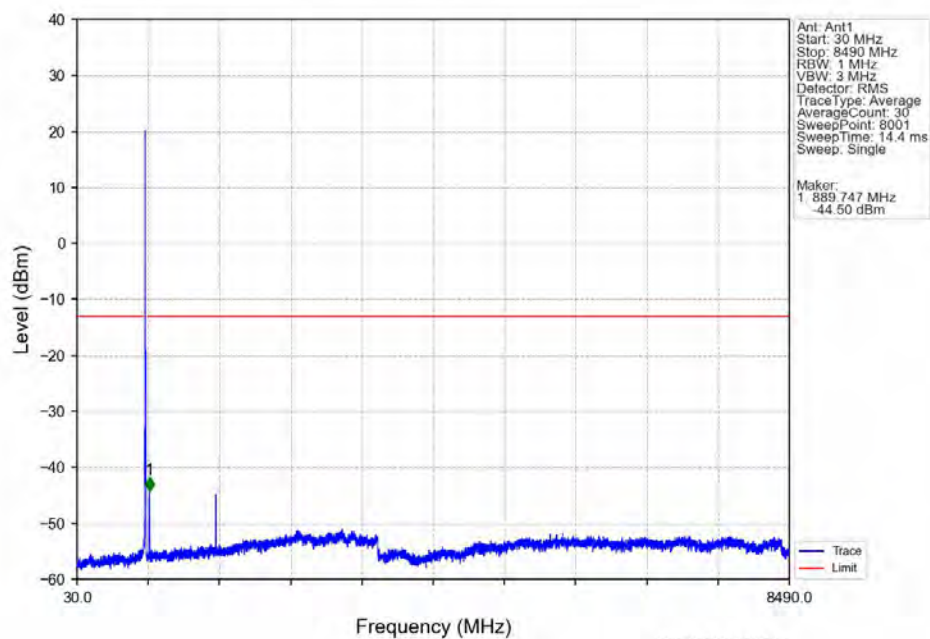


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.880	-39.93	-13	Pass
823	824	0.1	/	2	823.980	-34.27	-13	Pass
824	834	0.1	/	/	/	/	/	/

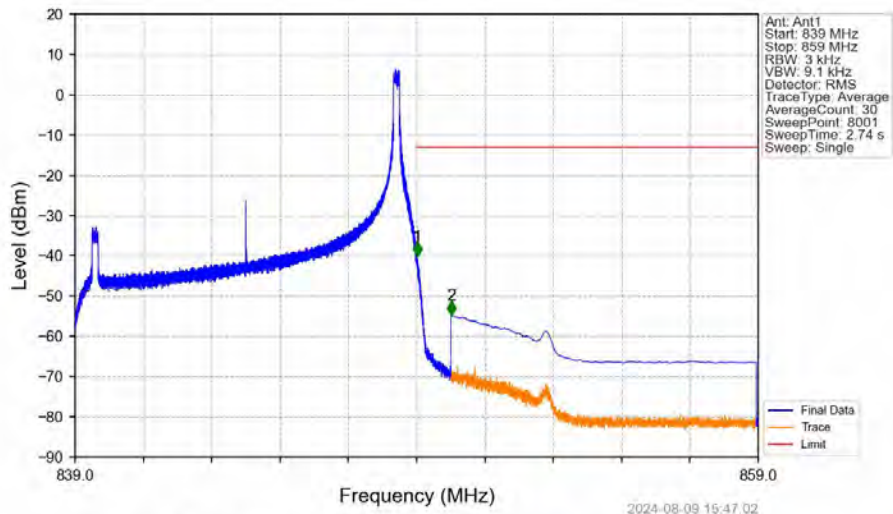
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

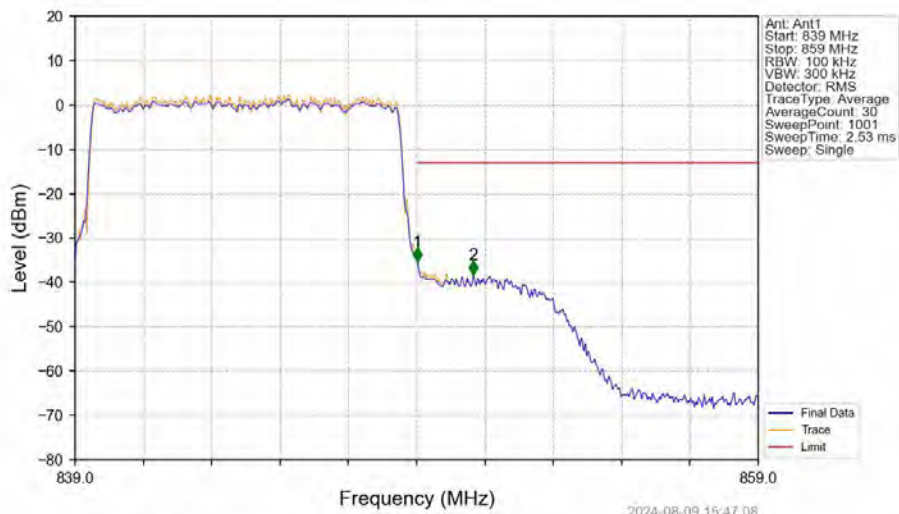


Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



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	-39.98	-13	Pass
850	859	0.1	CHP	2	850.013	-54.71	-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	0.101	CHP	/	/	/	/	/
849	850	0.101	CHP	1	849.020	-35.35	-13	Pass
850	859	0.1	/	2	850.660	-38.24	-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	0.1675	0.0527	ppm	1M12G7D	22H	22.24
5	1.4	824.7	848.3	0.1528	0.0523	ppm	1M12W7D	22H	21.84
5	3	825.5	847.5	0.1652	0.0485	ppm	2M76G7D	22H	22.18
5	3	825.5	847.5	0.1675	0.0542	ppm	2M77W7D	22H	22.24
5	5	826.5	846.5	0.1315	0.0522	ppm	4M55G7D	22H	21.19
5	5	826.5	846.5	0.1324	0.0558	ppm	4M60W7D	22H	21.22
5	10	829	844	0.1644	0.0538	ppm	9M05G7D	22H	22.16
5	10	829	844	0.1722	0.0337	ppm	9M10W7D	22H	22.36

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	0.0735	0.0527	ppm	1M12G7D	22H	18.66
5	1.4	824.7	848.3	0.0670	0.0523	ppm	1M12W7D	22H	18.26
5	3	825.5	847.5	0.0724	0.0485	ppm	2M76G7D	22H	18.60
5	3	825.5	847.5	0.0735	0.0542	ppm	2M77W7D	22H	18.66
5	5	826.5	846.5	0.0577	0.0522	ppm	4M55G7D	22H	17.61
5	5	826.5	846.5	0.0581	0.0558	ppm	4M60W7D	22H	17.64
5	10	829	844	0.0721	0.0538	ppm	9M05G7D	22H	18.58
5	10	829	844	0.0755	0.0337	ppm	9M10W7D	22H	18.78