1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.64	-0.36	20.13	<=38.45	Pass
			2	22.83	-0.36	20.32	<=38.45	Pass
			5	22.77	-0.36	20.26	<=38.45	Pass
		3	0	22.79	-0.36	20.28	<=38.45	Pass
			2	22.73	-0.36	20.22	<=38.45	Pass
			3	22.71	-0.36	20.20	<=38.45	Pass
		6	0	21.81	-0.36	19.30	<=38.45	Pass
	836.5	1	0	22.68	-0.36	20.17	<=38.45	Pass
			2	22.83	-0.36	20.32	<=38.45	Pass
			5	22.80	-0.36	20.29	<=38.45	Pass
		3	0	22.65	-0.36	20.14	<=38.45	Pass
			2	22.66	-0.36	20.15	<=38.45	Pass
			3	22.68	-0.36	20.17	<=38.45	Pass
		6	0	21.65	-0.36	19.14	<=38.45	Pass
	848.3	1	0	22.66	-0.36	20.15	<=38.45	Pass
			2	22.72	-0.36	20.21	<=38.45	Pass
			5	22.74	-0.36	20.23	<=38.45	Pass
		3	0	22.79	-0.36	20.28	<=38.45	Pass
			2	22.80	-0.36	20.29	<=38.45	Pass
			3	22.73	-0.36	20.22	<=38.45	Pass
		6	0	21.72	-0.36	19.21	<=38.45	Pass
16QAM	824.7	1	0	21.77	-0.36	19.26	<=38.45	Pass
			2	21.83	-0.36	19.32	<=38.45	Pass
			5	21.79	-0.36	19.28	<=38.45	Pass
		3	0	21.58	-0.36	19.07	<=38.45	Pass
			2	21.49	-0.36	18.98	<=38.45	Pass
			3	21.83	-0.36	19.32	<=38.45	Pass
		6	0	21.14	-0.36	18.63	<=38.45	Pass
	836.5	1	0	22.22	-0.36	19.71	<=38.45	Pass
			2	22.27	-0.36	19.76	<=38.45	Pass
			5	22.31	-0.36	19.80	<=38.45	Pass
		3	0	21.73	-0.36	19.22	<=38.45	Pass
			2	21.64	-0.36	19.13	<=38.45	Pass
			3	21.68	-0.36	19.17	<=38.45	Pass
		6	0	20.80	-0.36	18.29	<=38.45	Pass
	848.3	1	0	22.35	-0.36	19.84	<=38.45	Pass
			2	22.32	-0.36	19.81	<=38.45	Pass
			5	22.32	-0.36	19.81	<=38.45	Pass
		3	0	21.49	-0.36	18.98	<=38.45	Pass
			2	21.62	-0.36	19.11	<=38.45	Pass
			3	21.56	-0.36	19.05	<=38.45	Pass
		6	0	20.87	-0.36	18.36	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.76	-0.36	20.25	<=38.45	Pass
			7	22.70	-0.36	20.19	<=38.45	Pass
			14	22.72	-0.36	20.21	<=38.45	Pass
		8	0	21.77	-0.36	19.26	<=38.45	Pass
			4	21.85	-0.36	19.34	<=38.45	Pass
			7	21.57	-0.36	19.06	<=38.45	Pass
		15	0	21.68	-0.36	19.17	<=38.45	Pass
	836.5	1	0	22.70	-0.36	20.19	<=38.45	Pass
			7	22.66	-0.36	20.15	<=38.45	Pass
			14	22.65	-0.36	20.14	<=38.45	Pass
		8	0	21.67	-0.36	19.16	<=38.45	Pass
			4	21.62	-0.36	19.11	<=38.45	Pass
			7	21.63	-0.36	19.12	<=38.45	Pass
		15	0	21.73	-0.36	19.22	<=38.45	Pass
	847.5	1	0	22.69	-0.36	20.18	<=38.45	Pass
			7	22.75	-0.36	20.24	<=38.45	Pass
			14	22.74	-0.36	20.23	<=38.45	Pass
		8	0	21.77	-0.36	19.26	<=38.45	Pass
			4	21.72	-0.36	19.21	<=38.45	Pass
			7	21.69	-0.36	19.18	<=38.45	Pass
		15	0	21.73	-0.36	19.22	<=38.45	Pass
16QAM	825.5	1	0	21.97	-0.36	19.46	<=38.45	Pass
			7	21.93	-0.36	19.42	<=38.45	Pass
			14	21.79	-0.36	19.28	<=38.45	Pass
		8	0	21.26	-0.36	18.75	<=38.45	Pass
			4	21.36	-0.36	18.85	<=38.45	Pass
			7	20.90	-0.36	18.39	<=38.45	Pass
		15	0	21.15	-0.36	18.64	<=38.45	Pass
	836.5	1	0	22.91	-0.36	20.40	<=38.45	Pass
			7	23.00	-0.36	20.49	<=38.45	Pass
			14	22.90	-0.36	20.39	<=38.45	Pass
		8	0	21.19	-0.36	18.68	<=38.45	Pass
			4	20.71	-0.36	18.20	<=38.45	Pass
			7	20.71	-0.36	18.20	<=38.45	Pass
		15	0	20.75	-0.36	18.24	<=38.45	Pass
	847.5	1	0	22.63	-0.36	20.12	<=38.45	Pass
			7	22.57	-0.36	20.06	<=38.45	Pass
			14	22.51	-0.36	20.00	<=38.45	Pass
		8	0	21.13	-0.36	18.62	<=38.45	Pass
			4	21.00	-0.36	18.49	<=38.45	Pass
			7	21.13	-0.36	18.62	<=38.45	Pass
		15	0	20.85	-0.36	18.34	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.78	-0.36	20.27	<=38.45	Pass
			13	22.75	-0.36	20.24	<=38.45	Pass
			24	22.81	-0.36	20.30	<=38.45	Pass
		12	0	21.86	-0.36	19.35	<=38.45	Pass
			6	21.65	-0.36	19.14	<=38.45	Pass
			13	21.48	-0.36	18.97	<=38.45	Pass

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		25	0	21.60	-0.36	19.09	<=38.45	Pass
	836.5	1	0	22.77	-0.36	20.26	<=38.45	Pass
			13	22.70	-0.36	20.19	<=38.45	Pass
			24	22.66	-0.36	20.15	<=38.45	Pass
		12	0	21.78	-0.36	19.27	<=38.45	Pass
			6	21.67	-0.36	19.16	<=38.45	Pass
			13	21.63	-0.36	19.12	<=38.45	Pass
		25	0	21.66	-0.36	19.15	<=38.45	Pass
	846.5	1	0	22.58	-0.36	20.07	<=38.45	Pass
			13	22.64	-0.36	20.13	<=38.45	Pass
			24	22.64	-0.36	20.13	<=38.45	Pass
		12	0	22.11	-0.36	19.60	<=38.45	Pass
			6	21.76	-0.36	19.25	<=38.45	Pass
			13	21.80	-0.36	19.29	<=38.45	Pass
		25	0	21.79	-0.36	19.28	<=38.45	Pass
16QAM	826.5	1	0	22.14	-0.36	19.63	<=38.45	Pass
			13	21.93	-0.36	19.42	<=38.45	Pass
			24	22.36	-0.36	19.85	<=38.45	Pass
		12	0	21.16	-0.36	18.65	<=38.45	Pass
			6	20.80	-0.36	18.29	<=38.45	Pass
			13	20.78	-0.36	18.27	<=38.45	Pass
		25	0	20.81	-0.36	18.30	<=38.45	Pass
	836.5	1	0	21.41	-0.36	18.90	<=38.45	Pass
			13	21.33	-0.36	18.82	<=38.45	Pass
			24	21.32	-0.36	18.81	<=38.45	Pass
		12	0	21.05	-0.36	18.54	<=38.45	Pass
			6	20.57	-0.36	18.06	<=38.45	Pass
			13	20.57	-0.36	18.06	<=38.45	Pass
		25	0	20.77	-0.36	18.26	<=38.45	Pass
	846.5	1	0	22.65	-0.36	20.14	<=38.45	Pass
			13	22.29	-0.36	19.78	<=38.45	Pass
			24	22.33	-0.36	19.82	<=38.45	Pass
		12	0	21.17	-0.36	18.66	<=38.45	Pass
			6	20.81	-0.36	18.30	<=38.45	Pass
			13	20.92	-0.36	18.41	<=38.45	Pass
		25	0	20.86	-0.36	18.35	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.73	-0.36	20.22	<=38.45	Pass
			25	22.72	-0.36	20.21	<=38.45	Pass
			49	22.63	-0.36	20.12	<=38.45	Pass
		25	0	21.47	-0.36	18.96	<=38.45	Pass
			13	21.72	-0.36	19.21	<=38.45	Pass
			25	21.69	-0.36	19.18	<=38.45	Pass
		50	0	21.68	-0.36	19.17	<=38.45	Pass
	836.5	1	0	22.60	-0.36	20.09	<=38.45	Pass
			25	22.69	-0.36	20.18	<=38.45	Pass
			49	22.69	-0.36	20.18	<=38.45	Pass
		25	0	21.77	-0.36	19.26	<=38.45	Pass
			13	21.70	-0.36	19.19	<=38.45	Pass
			25	21.74	-0.36	19.23	<=38.45	Pass
		50	0	21.70	-0.36	19.19	<=38.45	Pass

	844	1	0	22.81	-0.36	20.30	<=38.45	Pass
			25	22.57	-0.36	20.06	<=38.45	Pass
			49	22.63	-0.36	20.12	<=38.45	Pass
		25	0	21.74	-0.36	19.23	<=38.45	Pass
			13	21.61	-0.36	19.10	<=38.45	Pass
			25	21.82	-0.36	19.31	<=38.45	Pass
		50	0	21.77	-0.36	19.26	<=38.45	Pass
16QAM	829	1	0	22.69	-0.36	20.18	<=38.45	Pass
			25	22.68	-0.36	20.17	<=38.45	Pass
			49	22.55	-0.36	20.04	<=38.45	Pass
		25	0	20.78	-0.36	18.27	<=38.45	Pass
			13	20.77	-0.36	18.26	<=38.45	Pass
			25	21.22	-0.36	18.71	<=38.45	Pass
		50	0	20.74	-0.36	18.23	<=38.45	Pass
	836.5	1	0	21.98	-0.36	19.47	<=38.45	Pass
			25	21.98	-0.36	19.47	<=38.45	Pass
			49	21.84	-0.36	19.33	<=38.45	Pass
		25	0	21.32	-0.36	18.81	<=38.45	Pass
			13	20.85	-0.36	18.34	<=38.45	Pass
			25	20.91	-0.36	18.40	<=38.45	Pass
		50	0	20.75	-0.36	18.24	<=38.45	Pass
	844	1	0	22.95	-0.36	20.44	<=38.45	Pass
			25	22.85	-0.36	20.34	<=38.45	Pass
			49	22.98	-0.36	20.47	<=38.45	Pass
		25	0	20.81	-0.36	18.30	<=38.45	Pass
			13	21.22	-0.36	18.71	<=38.45	Pass
			25	20.92	-0.36	18.41	<=38.45	Pass
		50	0	21.18	-0.36	18.67	<=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	12.345	0.0150	-2.5 to 2.5	Pass
					3.85	0.572	0.0007	-2.5 to 2.5	Pass
					4.43	-12.646	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-25.406	-0.0308	-2.5 to 2.5	Pass
				-20	3.85	-29.912	-0.0363	-2.5 to 2.5	Pass
				-10	3.85	-33.445	-0.0406	-2.5 to 2.5	Pass
				0	3.85	-37.794	-0.0458	-2.5 to 2.5	Pass
				10	3.85	-42.887	-0.0520	-2.5 to 2.5	Pass
				30	3.85	-38.967	-0.0472	-2.5 to 2.5	Pass
				40	3.85	-41.256	-0.0500	-2.5 to 2.5	Pass
				50	3.85	-44.990	-0.0546	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	15.979	0.0191	-2.5 to 2.5	Pass
					3.85	15.664	0.0187	-2.5 to 2.5	Pass
					4.43	15.807	0.0189	-2.5 to 2.5	Pass
				-30	3.85	10.586	0.0127	-2.5 to 2.5	Pass
				-20	3.85	10.357	0.0124	-2.5 to 2.5	Pass
				-10	3.85	12.431	0.0149	-2.5 to 2.5	Pass

				0	3.85	15.578	0.0186	-2.5 to 2.5	Pass
				10	3.85	15.478	0.0185	-2.5 to 2.5	Pass
				30	3.85	19.312	0.0231	-2.5 to 2.5	Pass
				40	3.85	18.497	0.0221	-2.5 to 2.5	Pass
				50	3.85	18.482	0.0221	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	8.183	0.0096	-2.5 to 2.5	Pass
					3.85	-12.589	-0.0148	-2.5 to 2.5	Pass
					4.43	-29.984	-0.0353	-2.5 to 2.5	Pass
				-30	3.85	-43.788	-0.0516	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-15.750	-0.0186	-2.5 to 2.5	Pass
				0	3.85	-23.746	-0.0280	-2.5 to 2.5	Pass
				10	3.85	-34.461	-0.0406	-2.5 to 2.5	Pass
				30	3.85	-40.684	-0.0480	-2.5 to 2.5	Pass
				40	3.85	-45.877	-0.0541	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-43.502	-0.0527	-2.5 to 2.5	Pass
					3.85	-41.699	-0.0506	-2.5 to 2.5	Pass
					4.43	-37.565	-0.0455	-2.5 to 2.5	Pass
				-30	3.85	-45.347	-0.0550	-2.5 to 2.5	Pass
				-20	3.85	-42.915	-0.0520	-2.5 to 2.5	Pass
				-10	3.85	-35.920	-0.0436	-2.5 to 2.5	Pass
				0	3.85	-38.309	-0.0465	-2.5 to 2.5	Pass
				10	3.85	-34.533	-0.0419	-2.5 to 2.5	Pass
				30	3.85	-33.159	-0.0402	-2.5 to 2.5	Pass
				40	3.85	-27.294	-0.0331	-2.5 to 2.5	Pass
				50	3.85	-27.595	-0.0335	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	17.295	0.0207	-2.5 to 2.5	Pass
					3.85	23.990	0.0287	-2.5 to 2.5	Pass
					4.43	29.082	0.0348	-2.5 to 2.5	Pass
				-30	3.85	30.656	0.0366	-2.5 to 2.5	Pass
				-20	3.85	34.390	0.0411	-2.5 to 2.5	Pass
				-10	3.85	36.407	0.0435	-2.5 to 2.5	Pass
				0	3.85	40.727	0.0487	-2.5 to 2.5	Pass
				10	3.85	3.963	0.0047	-2.5 to 2.5	Pass
				30	3.85	10.772	0.0129	-2.5 to 2.5	Pass
				40	3.85	19.741	0.0236	-2.5 to 2.5	Pass
				50	3.85	21.114	0.0252	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	2.189	0.0026	-2.5 to 2.5	Pass
					3.85	8.540	0.0101	-2.5 to 2.5	Pass
					4.43	9.699	0.0114	-2.5 to 2.5	Pass
				-30	3.85	13.232	0.0156	-2.5 to 2.5	Pass
				-20	3.85	14.405	0.0170	-2.5 to 2.5	Pass
				-10	3.85	16.880	0.0199	-2.5 to 2.5	Pass
				0	3.85	18.210	0.0215	-2.5 to 2.5	Pass
				10	3.85	19.412	0.0229	-2.5 to 2.5	Pass
				30	3.85	20.027	0.0236	-2.5 to 2.5	Pass
				40	3.85	20.256	0.0239	-2.5 to 2.5	Pass
				50	3.85	22.645	0.0267	-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	-0.558	-0.0007	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0101	-2.5 to 2.5	Pass

					4.43	-8.655	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-37.851	-0.0459	-2.5 to 2.5	Pass
				-20	3.85	-16.966	-0.0206	-2.5 to 2.5	Pass
				-10	3.85	-37.165	-0.0450	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-15.893	-0.0193	-2.5 to 2.5	Pass
				30	3.85	-19.856	-0.0241	-2.5 to 2.5	Pass
				40	3.85	-30.656	-0.0371	-2.5 to 2.5	Pass
				50	3.85	-38.123	-0.0462	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	16.680	0.0199	-2.5 to 2.5	Pass
					3.85	15.779	0.0189	-2.5 to 2.5	Pass
					4.43	11.902	0.0142	-2.5 to 2.5	Pass
				-30	3.85	5.636	0.0067	-2.5 to 2.5	Pass
				-20	3.85	3.905	0.0047	-2.5 to 2.5	Pass
				-10	3.85	5.751	0.0069	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.905	0.0047	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	1.144	0.0013	-2.5 to 2.5	Pass
					3.85	-16.479	-0.0194	-2.5 to 2.5	Pass
					4.43	-35.648	-0.0421	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-11.902	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-22.960	-0.0271	-2.5 to 2.5	Pass
				0	3.85	-24.648	-0.0291	-2.5 to 2.5	Pass
				10	3.85	-28.067	-0.0331	-2.5 to 2.5	Pass
				30	3.85	-34.018	-0.0401	-2.5 to 2.5	Pass
				40	3.85	-38.610	-0.0456	-2.5 to 2.5	Pass
				50	3.85	-44.718	-0.0528	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-42.429	-0.0514	-2.5 to 2.5	Pass
					3.85	-40.755	-0.0494	-2.5 to 2.5	Pass
					4.43	-41.156	-0.0499	-2.5 to 2.5	Pass
				-30	3.85	-36.836	-0.0446	-2.5 to 2.5	Pass
				-20	3.85	-39.039	-0.0473	-2.5 to 2.5	Pass
				-10	3.85	-38.438	-0.0466	-2.5 to 2.5	Pass
				0	3.85	-36.750	-0.0445	-2.5 to 2.5	Pass
				10	3.85	-35.663	-0.0432	-2.5 to 2.5	Pass
				30	3.85	-33.917	-0.0411	-2.5 to 2.5	Pass
				40	3.85	-35.419	-0.0429	-2.5 to 2.5	Pass
				50	3.85	-34.289	-0.0415	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	5.636	0.0067	-2.5 to 2.5	Pass
					3.85	14.205	0.0170	-2.5 to 2.5	Pass
					4.43	16.022	0.0192	-2.5 to 2.5	Pass
				-30	3.85	19.469	0.0233	-2.5 to 2.5	Pass
				-20	3.85	19.884	0.0238	-2.5 to 2.5	Pass
				-10	3.85	24.090	0.0288	-2.5 to 2.5	Pass
				0	3.85	26.422	0.0316	-2.5 to 2.5	Pass
				10	3.85	32.630	0.0390	-2.5 to 2.5	Pass
				30	3.85	32.701	0.0391	-2.5 to 2.5	Pass
				40	3.85	32.401	0.0387	-2.5 to 2.5	Pass
				50	3.85	31.943	0.0382	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	4.892	0.0058	-2.5 to 2.5	Pass
					3.85	15.922	0.0188	-2.5 to 2.5	Pass
					4.43	19.155	0.0226	-2.5 to 2.5	Pass
				-30	3.85	23.360	0.0276	-2.5 to 2.5	Pass
				-20	3.85	25.506	0.0301	-2.5 to 2.5	Pass
				-10	3.85	22.516	0.0266	-2.5 to 2.5	Pass

				0	3.85	20.442	0.0241	-2.5 to 2.5	Pass
				10	3.85	21.029	0.0248	-2.5 to 2.5	Pass
				30	3.85	24.834	0.0293	-2.5 to 2.5	Pass
				40	3.85	24.633	0.0291	-2.5 to 2.5	Pass
				50	3.85	28.038	0.0331	-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	-20.471	-0.0248	-2.5 to 2.5	Pass
					3.85	-25.177	-0.0305	-2.5 to 2.5	Pass
					4.43	-14.277	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-12.517	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-18.840	-0.0228	-2.5 to 2.5	Pass
				-10	3.85	-23.561	-0.0285	-2.5 to 2.5	Pass
				0	3.85	-41.628	-0.0504	-2.5 to 2.5	Pass
				10	3.85	-7.153	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-18.783	-0.0227	-2.5 to 2.5	Pass
				40	3.85	-24.576	-0.0297	-2.5 to 2.5	Pass
				50	3.85	-34.761	-0.0421	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	14.663	0.0175	-2.5 to 2.5	Pass
					3.85	16.479	0.0197	-2.5 to 2.5	Pass
					4.43	16.751	0.0200	-2.5 to 2.5	Pass
				-30	3.85	13.518	0.0162	-2.5 to 2.5	Pass
				-20	3.85	14.362	0.0172	-2.5 to 2.5	Pass
				-10	3.85	18.940	0.0226	-2.5 to 2.5	Pass
				0	3.85	16.651	0.0199	-2.5 to 2.5	Pass
				10	3.85	15.049	0.0180	-2.5 to 2.5	Pass
				30	3.85	9.842	0.0118	-2.5 to 2.5	Pass
				40	3.85	5.507	0.0066	-2.5 to 2.5	Pass
				50	3.85	3.076	0.0037	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	10.500	0.0124	-2.5 to 2.5	Pass
					3.85	5.836	0.0069	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-12.703	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-20.285	-0.0240	-2.5 to 2.5	Pass
				-10	3.85	-25.935	-0.0306	-2.5 to 2.5	Pass
				0	3.85	-28.567	-0.0337	-2.5 to 2.5	Pass
				10	3.85	-25.148	-0.0297	-2.5 to 2.5	Pass
				30	3.85	-25.177	-0.0297	-2.5 to 2.5	Pass
				40	3.85	-27.008	-0.0319	-2.5 to 2.5	Pass
				50	3.85	-33.188	-0.0392	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-2.089	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
					4.43	-9.413	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-15.736	-0.0190	-2.5 to 2.5	Pass
				-20	3.85	-19.784	-0.0239	-2.5 to 2.5	Pass
				-10	3.85	-25.520	-0.0309	-2.5 to 2.5	Pass
				0	3.85	-27.709	-0.0335	-2.5 to 2.5	Pass
				10	3.85	-27.695	-0.0335	-2.5 to 2.5	Pass
				30	3.85	-29.011	-0.0351	-2.5 to 2.5	Pass
				40	3.85	-33.917	-0.0410	-2.5 to 2.5	Pass
				50	3.85	-46.434	-0.0562	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.159	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.658	-0.0008	-2.5 to 2.5	Pass

					4.43	-2.131	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0010	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-8.240	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-10.672	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-9.971	-0.0119	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-39.067	-0.0462	-2.5 to 2.5	Pass
					3.85	-40.956	-0.0484	-2.5 to 2.5	Pass
					4.43	-45.447	-0.0537	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0027	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-11.001	-0.0130	-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	35.062	0.0423	-2.5 to 2.5	Pass
					3.85	36.764	0.0443	-2.5 to 2.5	Pass
					4.43	42.057	0.0507	-2.5 to 2.5	Pass
				-30	3.85	38.624	0.0466	-2.5 to 2.5	Pass
				-20	3.85	30.870	0.0372	-2.5 to 2.5	Pass
				-10	3.85	33.646	0.0406	-2.5 to 2.5	Pass
				0	3.85	29.783	0.0359	-2.5 to 2.5	Pass
				10	3.85	28.496	0.0344	-2.5 to 2.5	Pass
				30	3.85	29.154	0.0352	-2.5 to 2.5	Pass
				40	3.85	33.731	0.0407	-2.5 to 2.5	Pass
				50	3.85	32.516	0.0392	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	13.661	0.0163	-2.5 to 2.5	Pass
					3.85	2.017	0.0024	-2.5 to 2.5	Pass
					4.43	-16.737	-0.0200	-2.5 to 2.5	Pass
				-30	3.85	-26.751	-0.0320	-2.5 to 2.5	Pass
				-20	3.85	-28.996	-0.0347	-2.5 to 2.5	Pass
				-10	3.85	-34.719	-0.0415	-2.5 to 2.5	Pass
				0	3.85	-36.793	-0.0440	-2.5 to 2.5	Pass
				10	3.85	-38.438	-0.0460	-2.5 to 2.5	Pass
				30	3.85	-44.975	-0.0538	-2.5 to 2.5	Pass
				40	3.85	2.446	0.0029	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0008	-2.5 to 2.5	Pass
	844	50	0	20	3.27	3.633	0.0043	-2.5 to 2.5	Pass
					3.85	-10.843	-0.0128	-2.5 to 2.5	Pass
					4.43	-27.637	-0.0327	-2.5 to 2.5	Pass
				-30	3.85	-38.781	-0.0459	-2.5 to 2.5	Pass
				-20	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-9.584	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-15.693	-0.0186	-2.5 to 2.5	Pass
				30	3.85	-17.338	-0.0205	-2.5 to 2.5	Pass

				40	3.85	-23.074	-0.0273	-2.5 to 2.5	Pass
				50	3.85	-22.974	-0.0272	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	33.116	0.0399	-2.5 to 2.5	Pass
					3.85	39.582	0.0477	-2.5 to 2.5	Pass
					4.43	44.174	0.0533	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				-20	3.85	6.466	0.0078	-2.5 to 2.5	Pass
				-10	3.85	13.275	0.0160	-2.5 to 2.5	Pass
				0	3.85	17.152	0.0207	-2.5 to 2.5	Pass
				10	3.85	20.757	0.0250	-2.5 to 2.5	Pass
				30	3.85	27.981	0.0338	-2.5 to 2.5	Pass
				40	3.85	30.055	0.0363	-2.5 to 2.5	Pass
				50	3.85	31.357	0.0378	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	0.443	0.0005	-2.5 to 2.5	Pass
					3.85	13.232	0.0158	-2.5 to 2.5	Pass
					4.43	22.144	0.0265	-2.5 to 2.5	Pass
				-30	3.85	23.332	0.0279	-2.5 to 2.5	Pass
				-20	3.85	28.038	0.0335	-2.5 to 2.5	Pass
				-10	3.85	31.428	0.0376	-2.5 to 2.5	Pass
				0	3.85	31.471	0.0376	-2.5 to 2.5	Pass
				10	3.85	33.374	0.0399	-2.5 to 2.5	Pass
				30	3.85	38.524	0.0461	-2.5 to 2.5	Pass
				40	3.85	40.741	0.0487	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-26.379	-0.0313	-2.5 to 2.5	Pass
					3.85	-23.832	-0.0282	-2.5 to 2.5	Pass
					4.43	-22.459	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-20.270	-0.0240	-2.5 to 2.5	Pass
				-20	3.85	-17.252	-0.0204	-2.5 to 2.5	Pass
				-10	3.85	-16.294	-0.0193	-2.5 to 2.5	Pass
				0	3.85	-16.623	-0.0197	-2.5 to 2.5	Pass
				10	3.85	-13.847	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-15.035	-0.0178	-2.5 to 2.5	Pass
				40	3.85	-13.061	-0.0155	-2.5 to 2.5	Pass
				50	3.85	-12.102	-0.0143	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

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

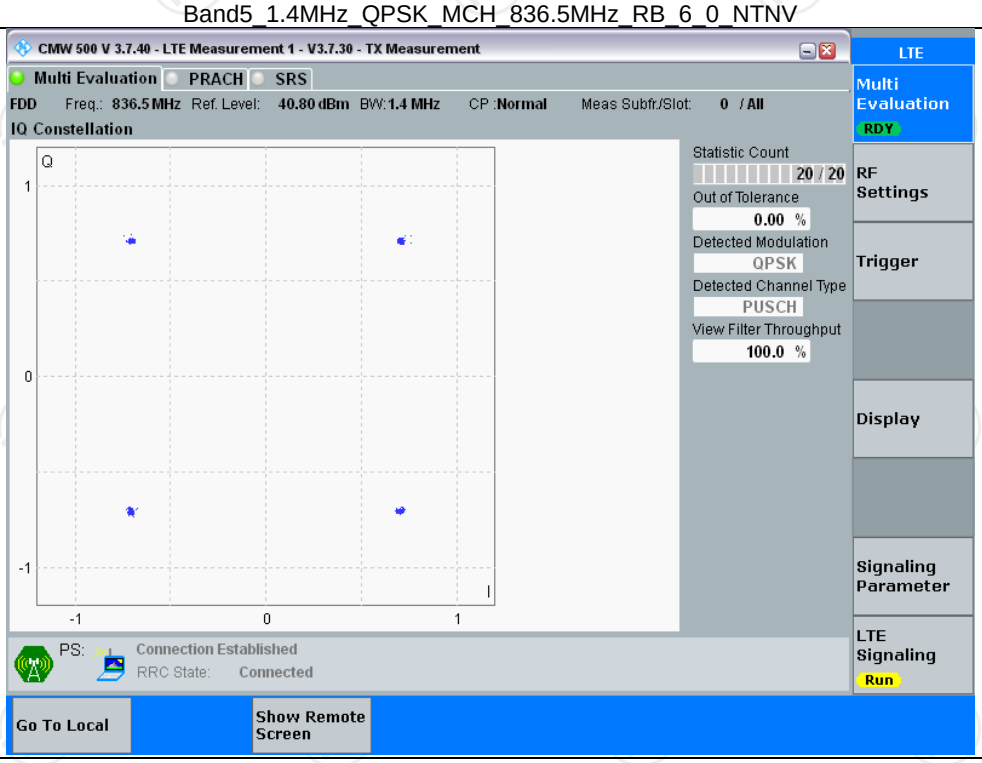
3.1.4 B5_10MHz

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

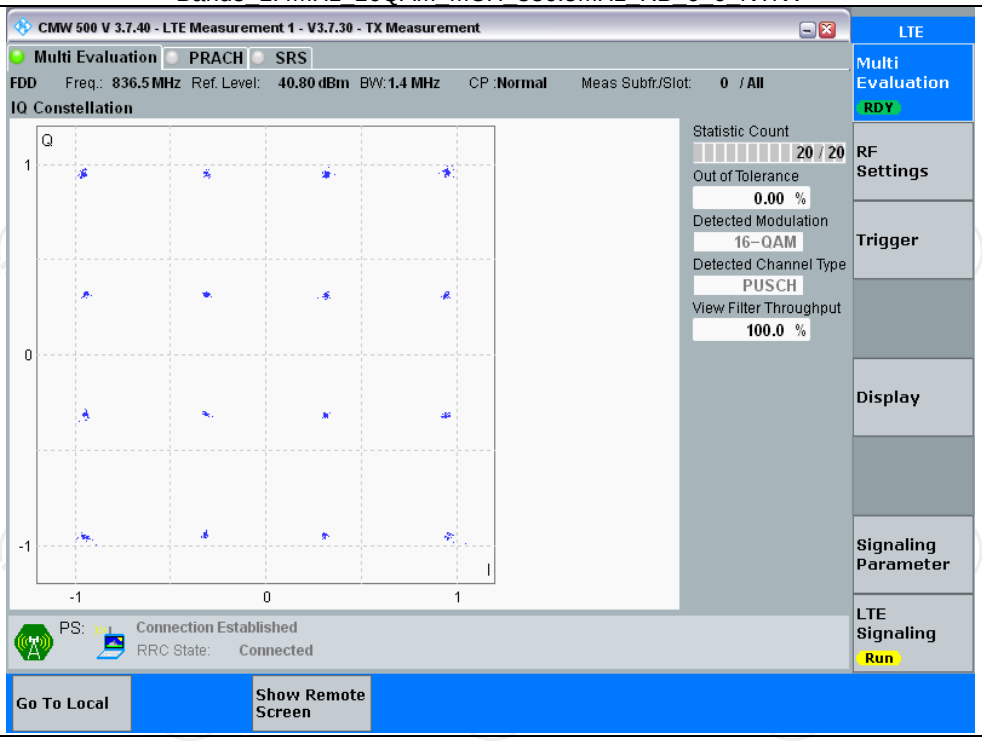
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

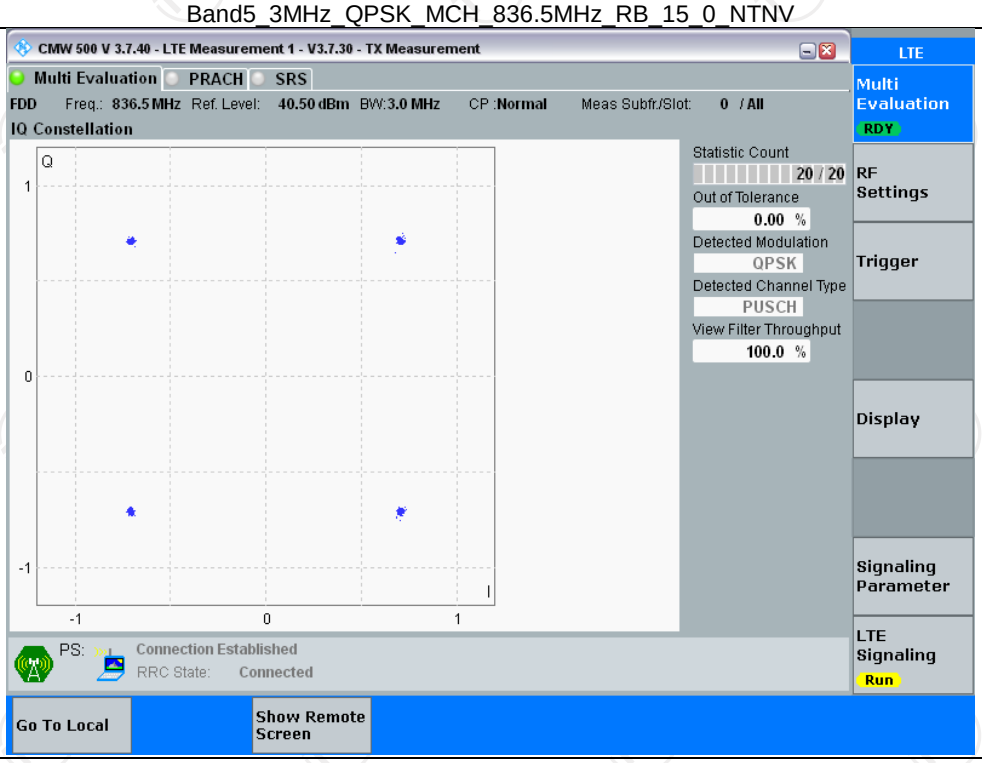


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

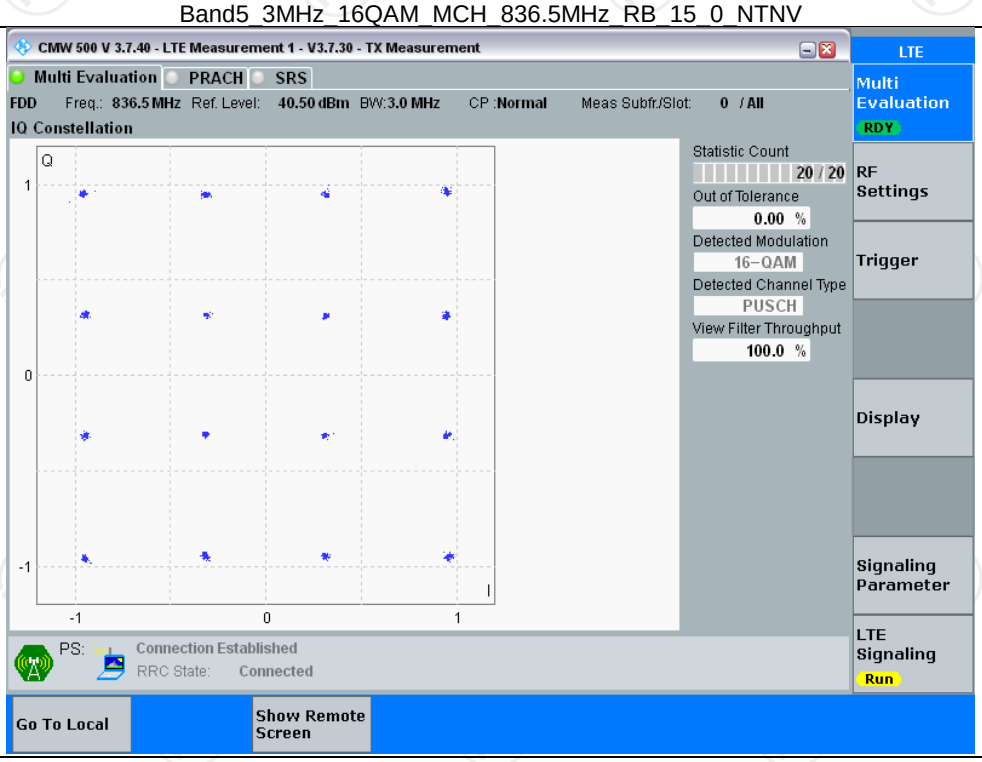


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

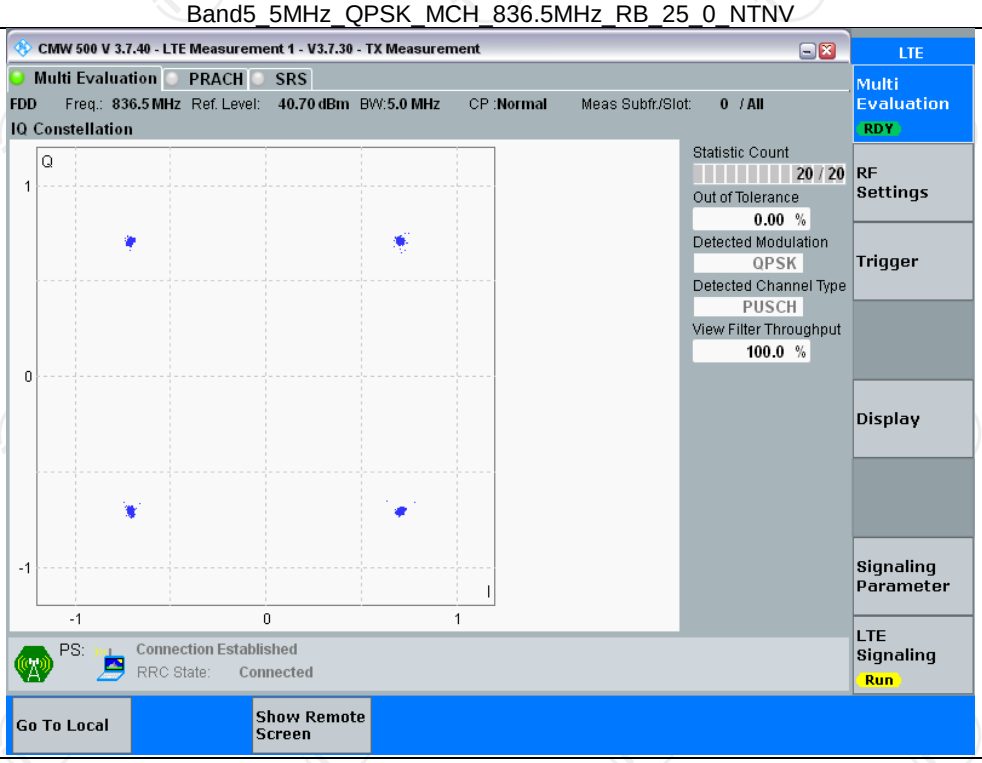


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

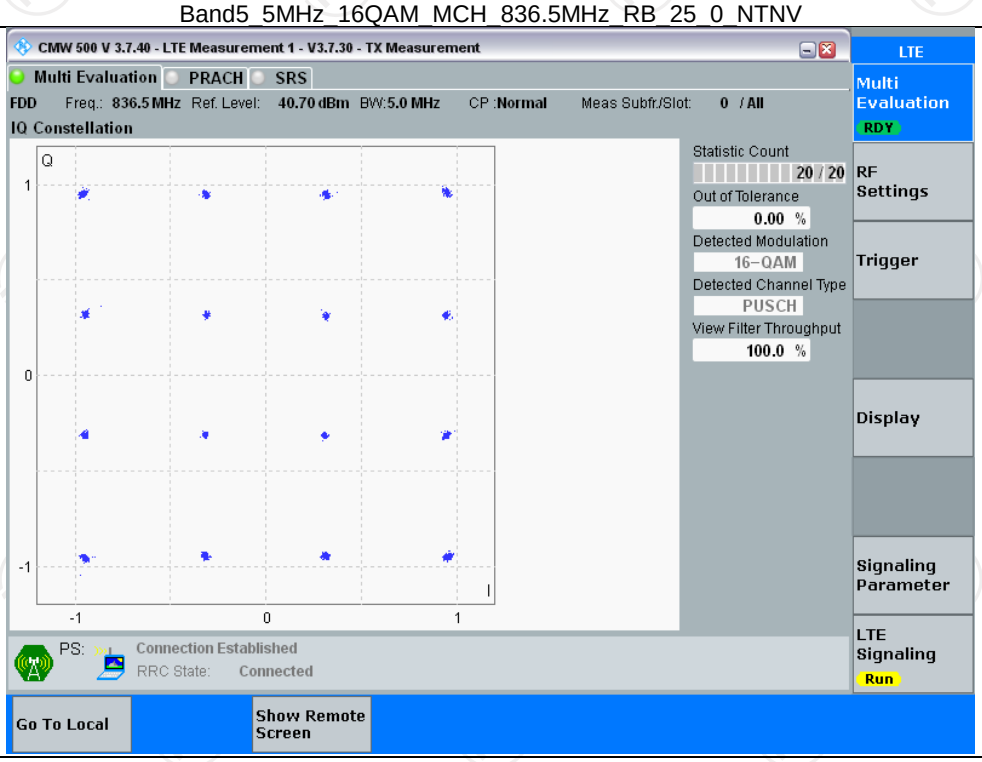


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

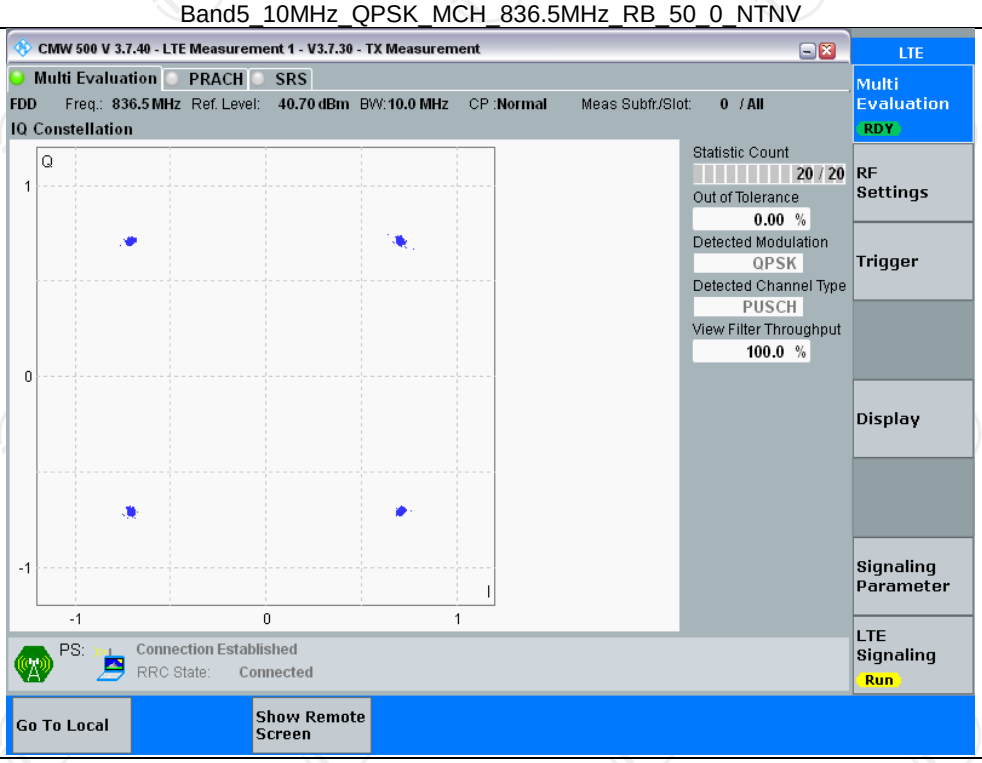


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

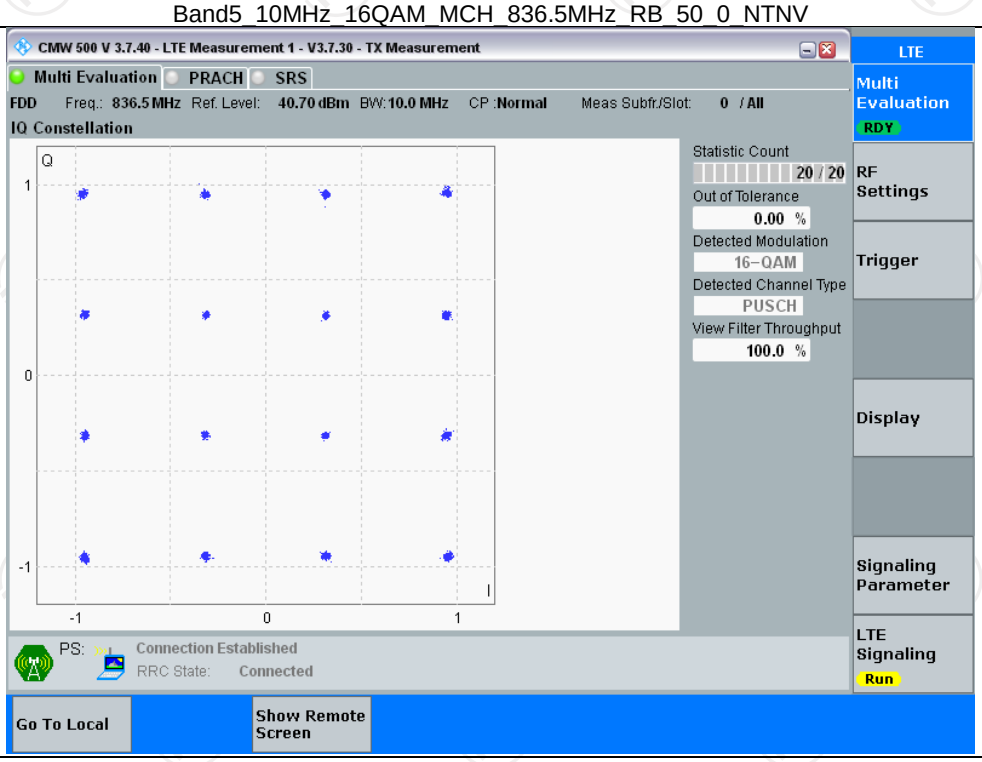


3.2.4 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.106	/	Pass
		836.5	6	0	1.111	/	Pass
		848.3	6	0	1.112	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.112	/	Pass
3	QPSK	825.5	15	0	2.754	/	Pass
		836.5	15	0	2.771	/	Pass
		847.5	15	0	2.752	/	Pass
	16QAM	825.5	15	0	2.763	/	Pass
		836.5	15	0	2.770	/	Pass
		847.5	15	0	2.750	/	Pass
5	QPSK	826.5	25	0	4.560	/	Pass
		836.5	25	0	4.539	/	Pass
		846.5	25	0	4.540	/	Pass
	16QAM	826.5	25	0	4.566	/	Pass
		836.5	25	0	4.554	/	Pass
		846.5	25	0	4.558	/	Pass
10	QPSK	829	50	0	9.040	/	Pass
		836.5	50	0	9.072	/	Pass
		844	50	0	9.032	/	Pass
	16QAM	829	50	0	9.046	/	Pass
		836.5	50	0	9.044	/	Pass
		844	50	0	9.047	/	Pass

4.1.2 Band5_XDB

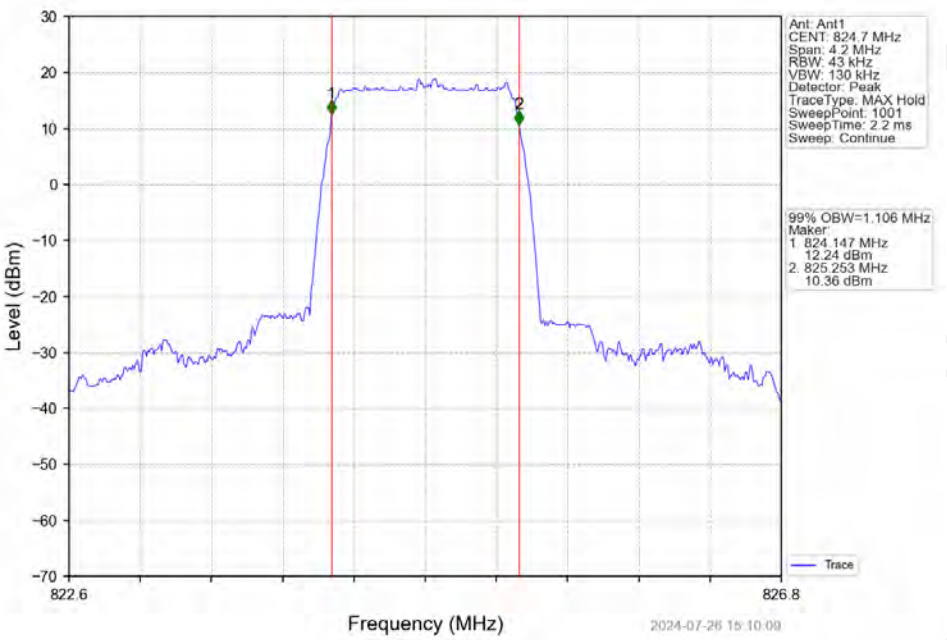
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.270	/	Pass
		836.5	6	0	1.270	/	Pass
		848.3	6	0	1.275	/	Pass
	16QAM	824.7	6	0	1.276	/	Pass
		836.5	6	0	1.269	/	Pass
		848.3	6	0	1.278	/	Pass
3	QPSK	825.5	15	0	3.113	/	Pass
		836.5	15	0	3.102	/	Pass
		847.5	15	0	3.095	/	Pass
	16QAM	825.5	15	0	3.110	/	Pass
		836.5	15	0	3.103	/	Pass
		847.5	15	0	3.110	/	Pass
5	QPSK	826.5	25	0	4.908	/	Pass
		836.5	25	0	5.031	/	Pass
		846.5	25	0	5.027	/	Pass

	16QAM	826.5	25	0	5.045	/	Pass
		836.5	25	0	5.071	/	Pass
		846.5	25	0	5.043	/	Pass
10	QPSK	829	50	0	9.995	/	Pass
		836.5	50	0	10.039	/	Pass
		844	50	0	9.926	/	Pass
	16QAM	829	50	0	9.941	/	Pass
		836.5	50	0	9.999	/	Pass
		844	50	0	10.013	/	Pass

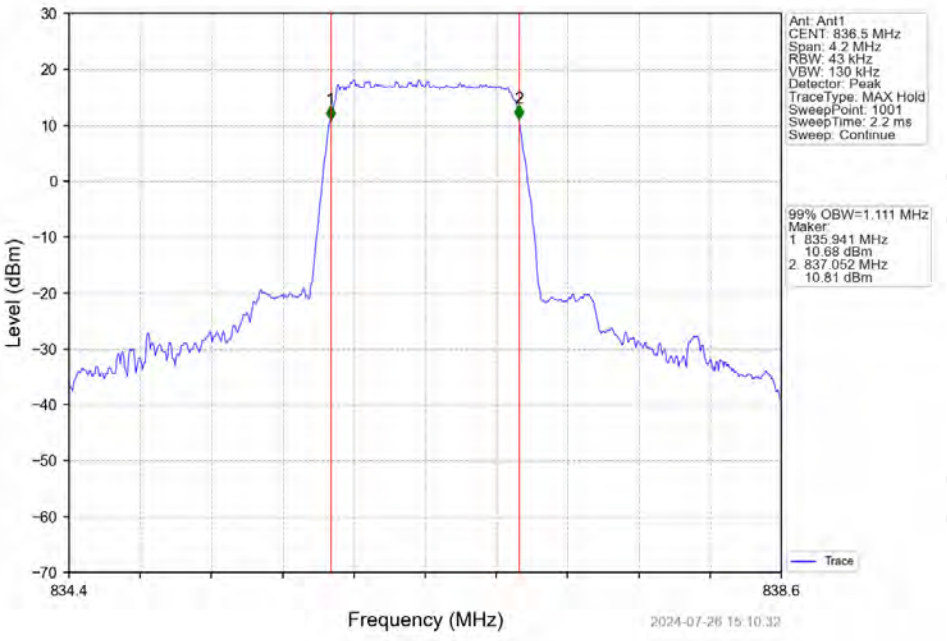
4.2 Test Graph

4.2.1 Band5_OBW

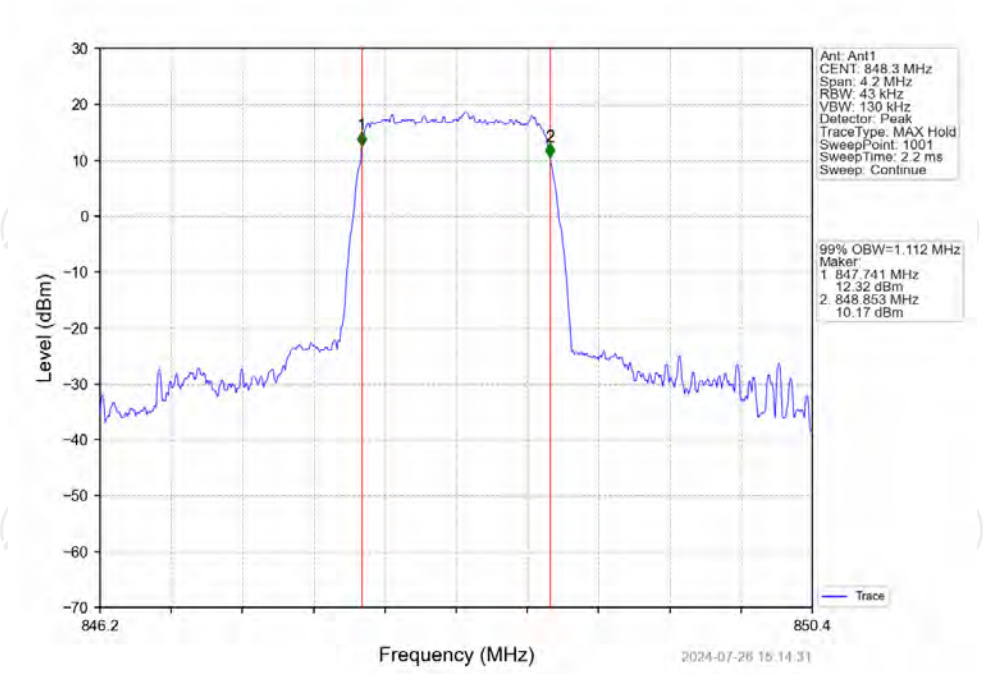
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



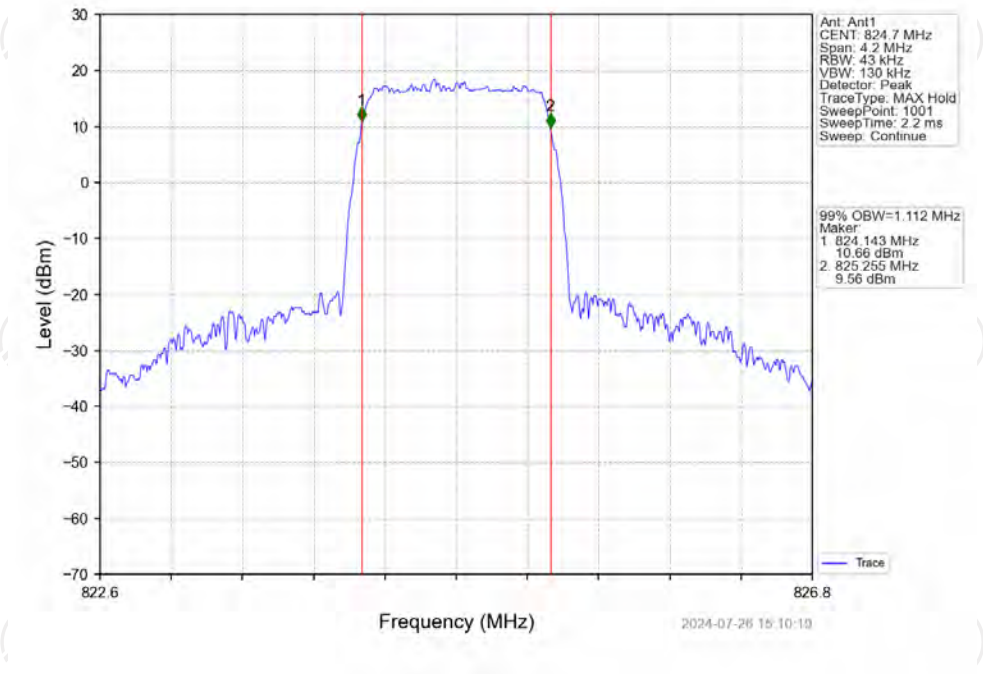
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



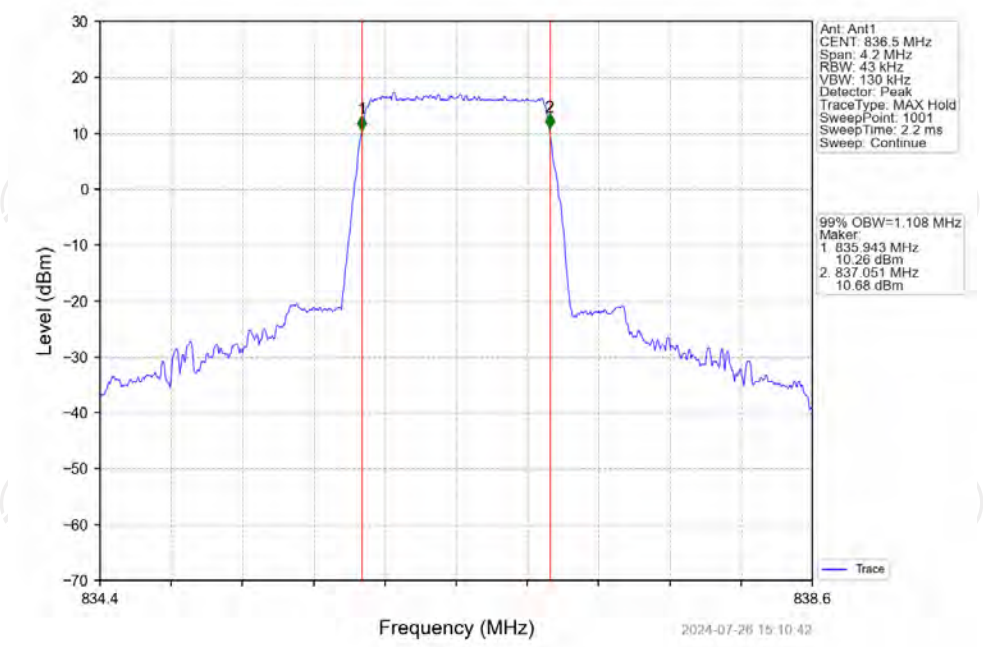
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



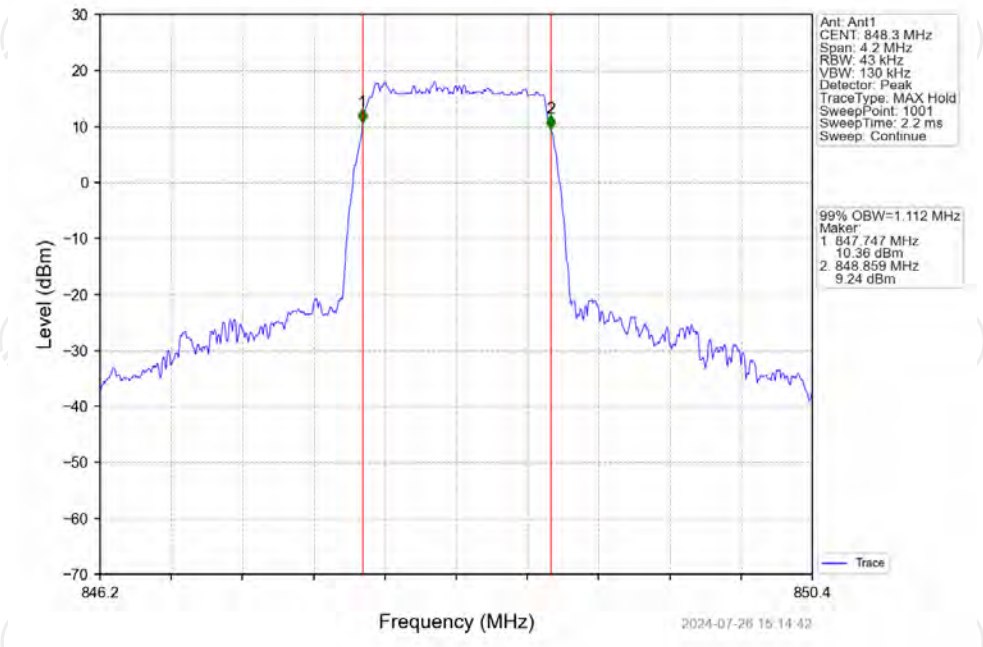
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



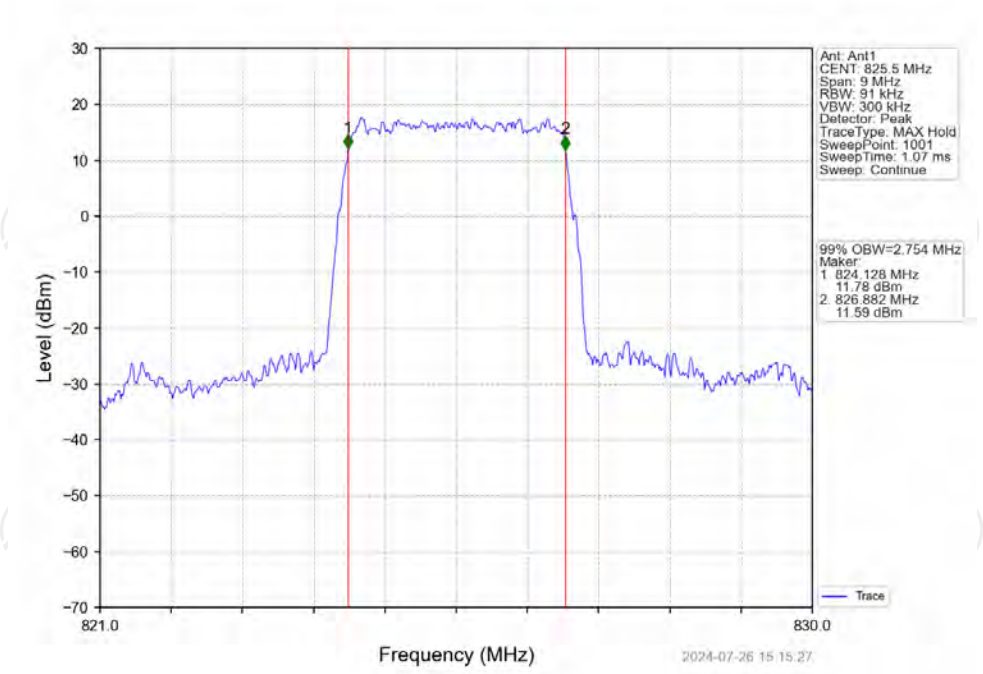
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



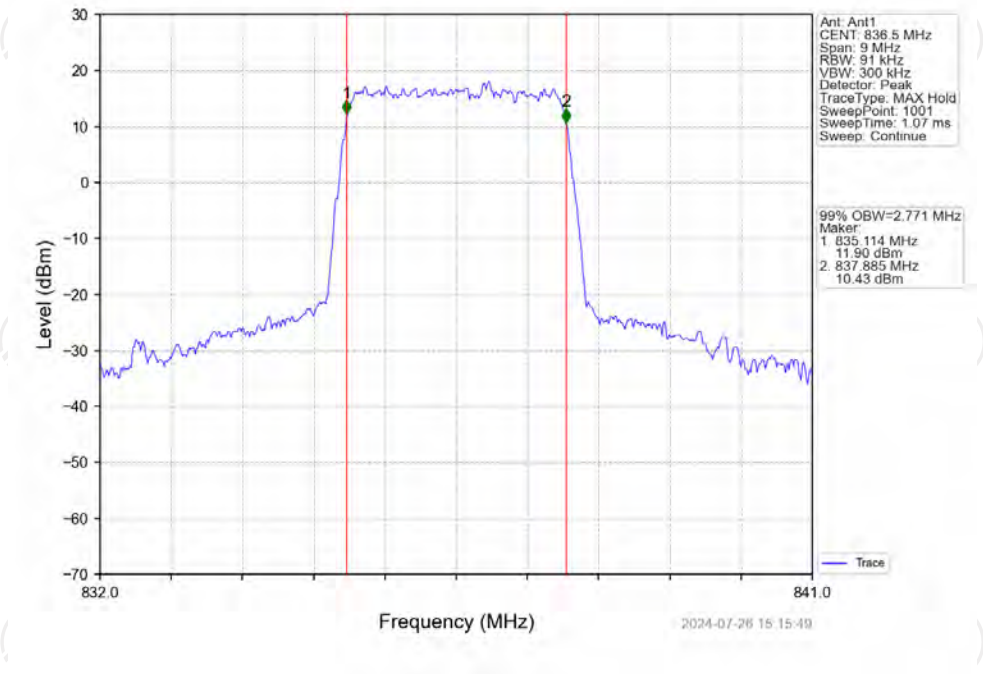
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



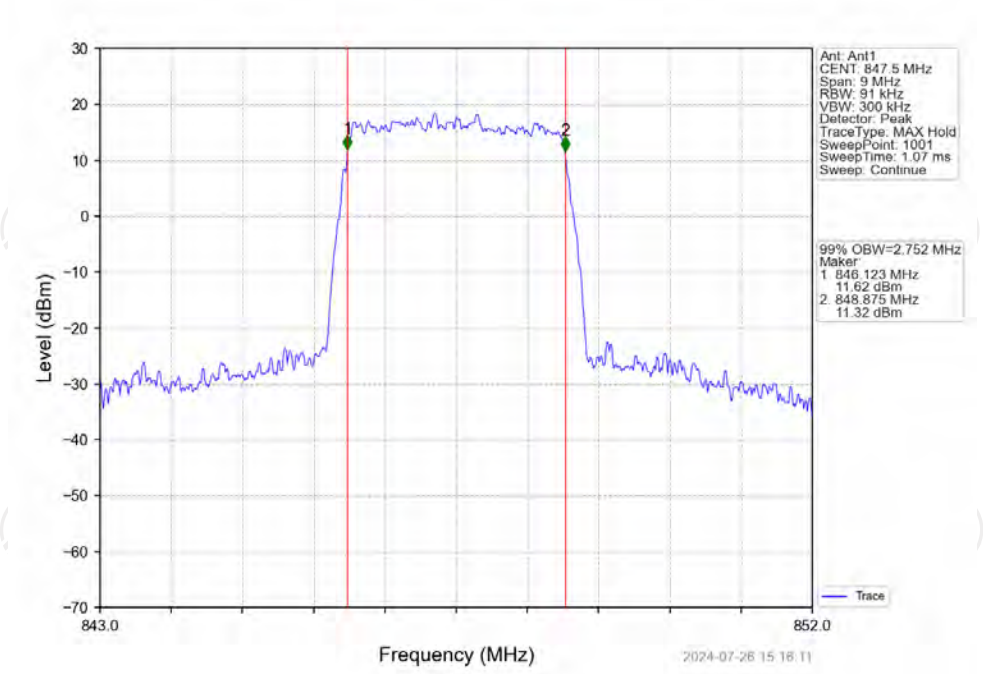
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



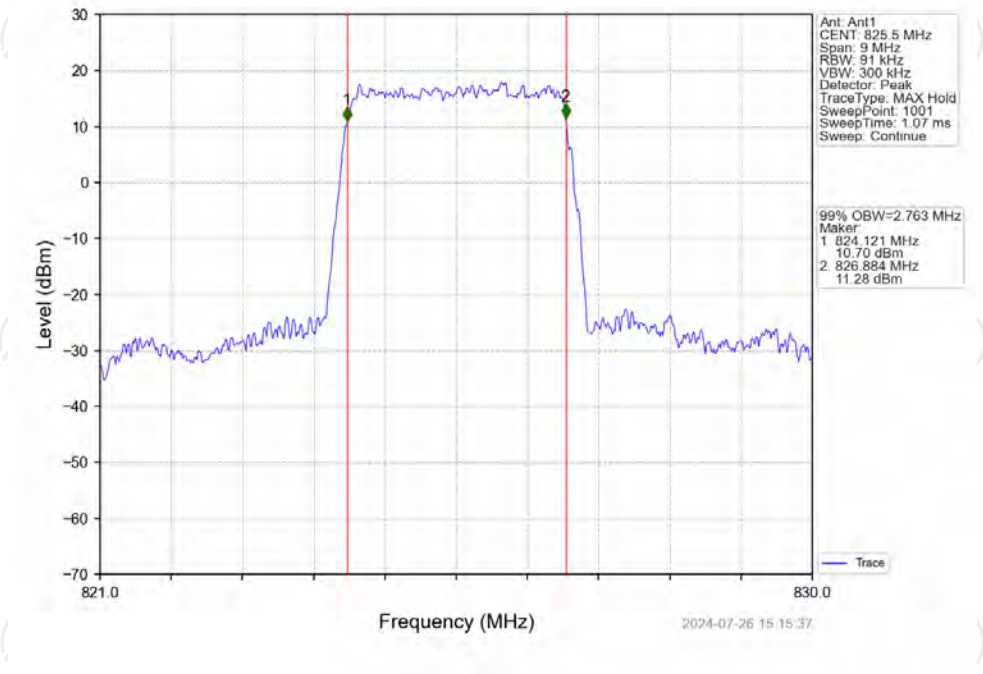
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



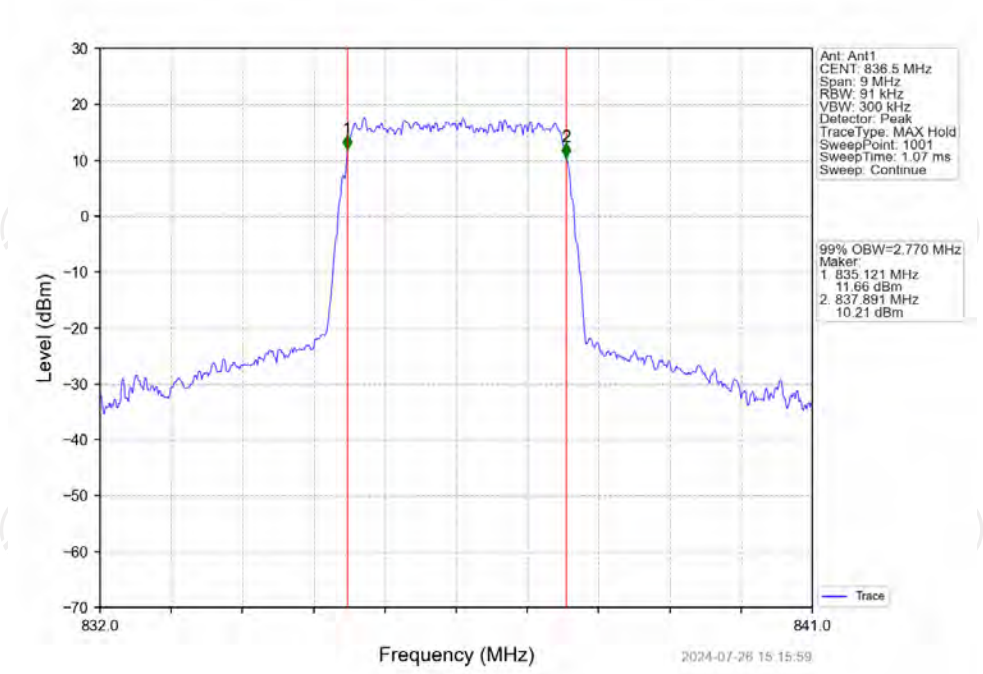
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



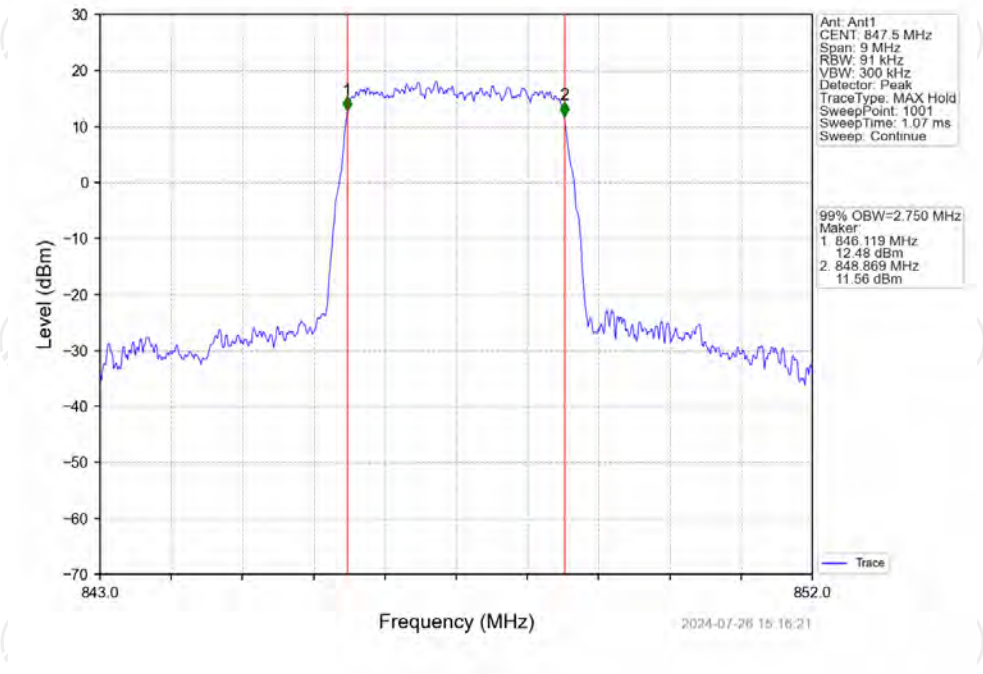
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



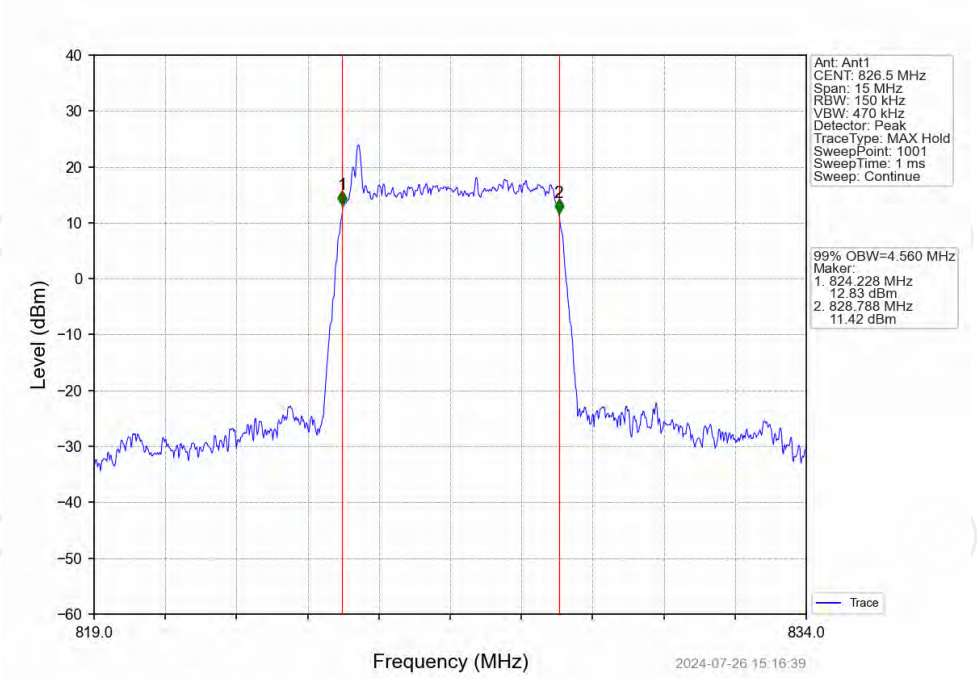
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



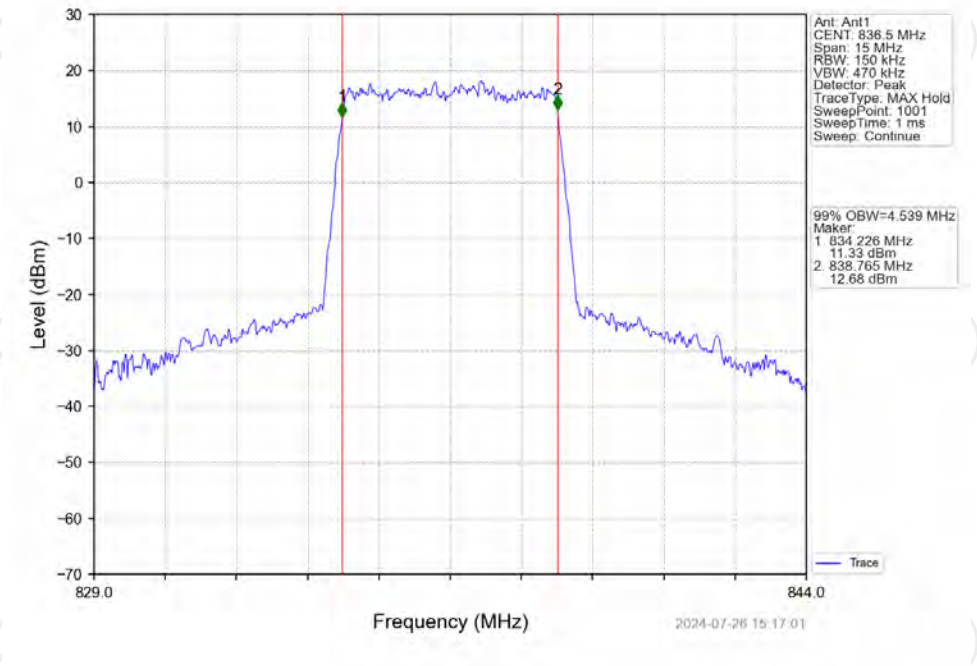
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



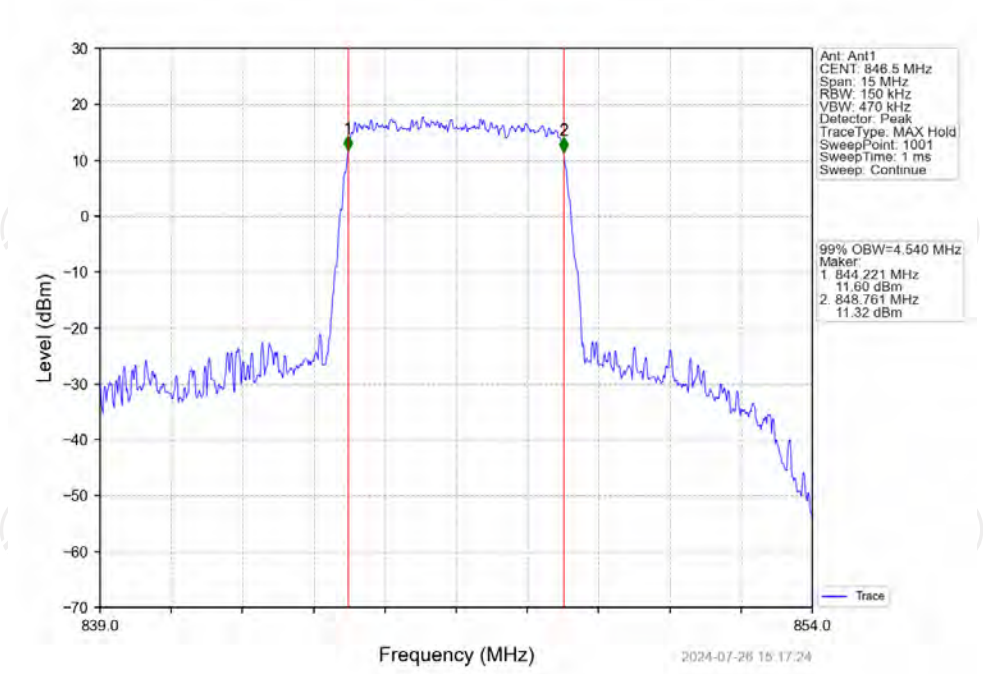
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



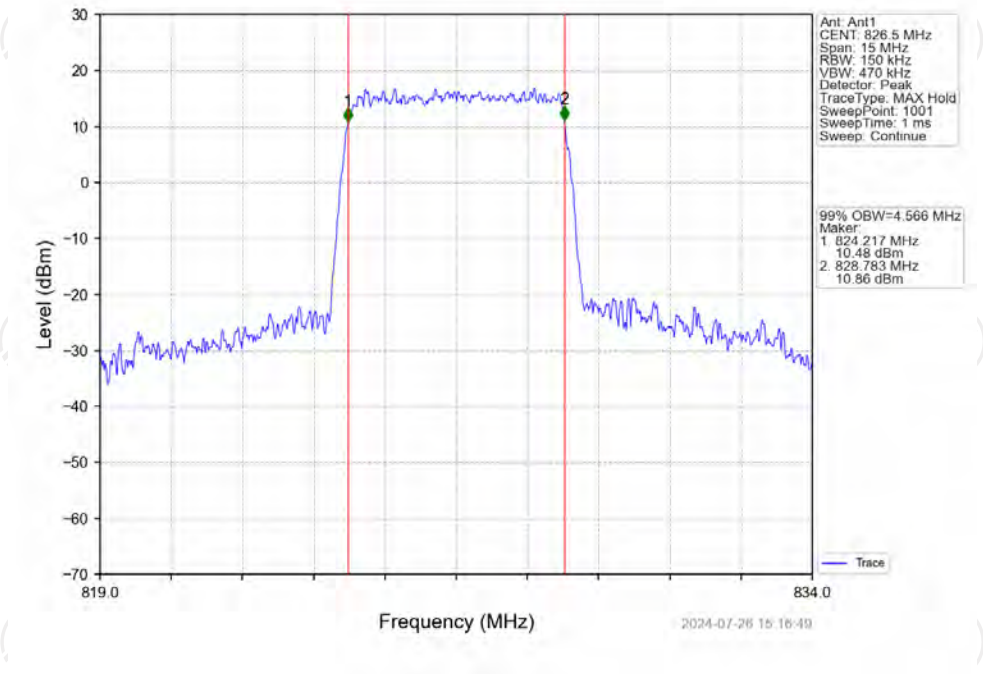
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



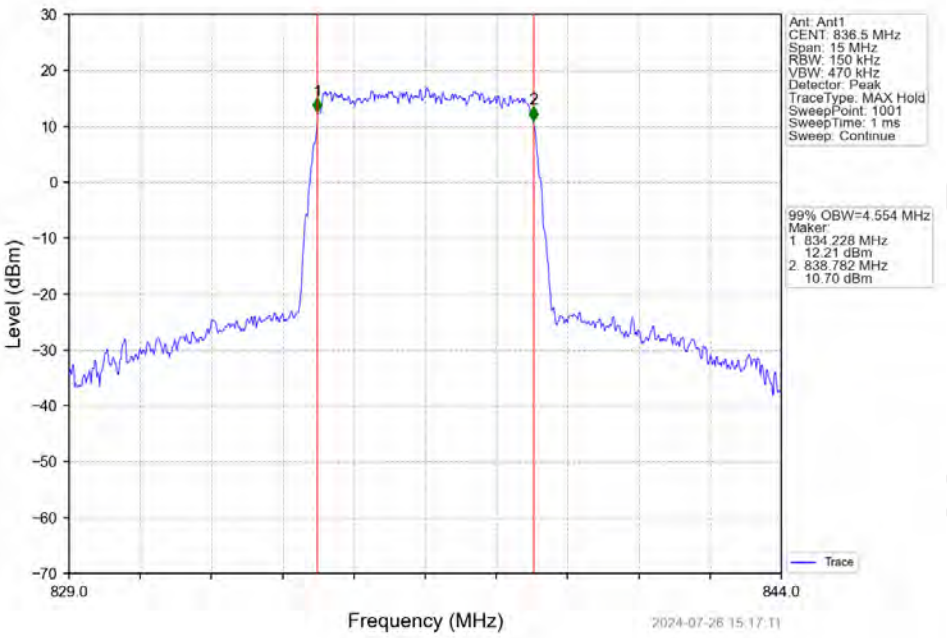
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



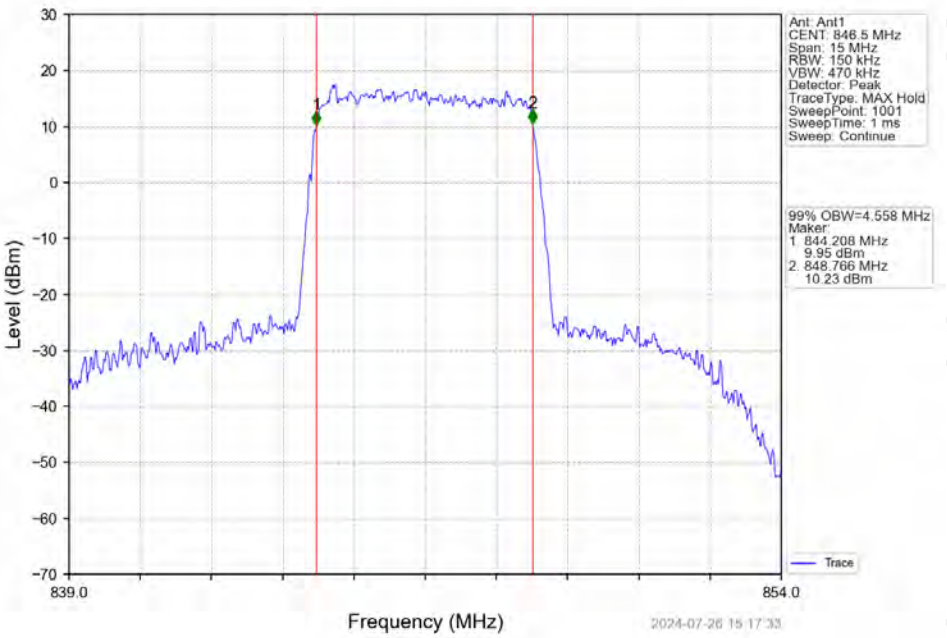
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



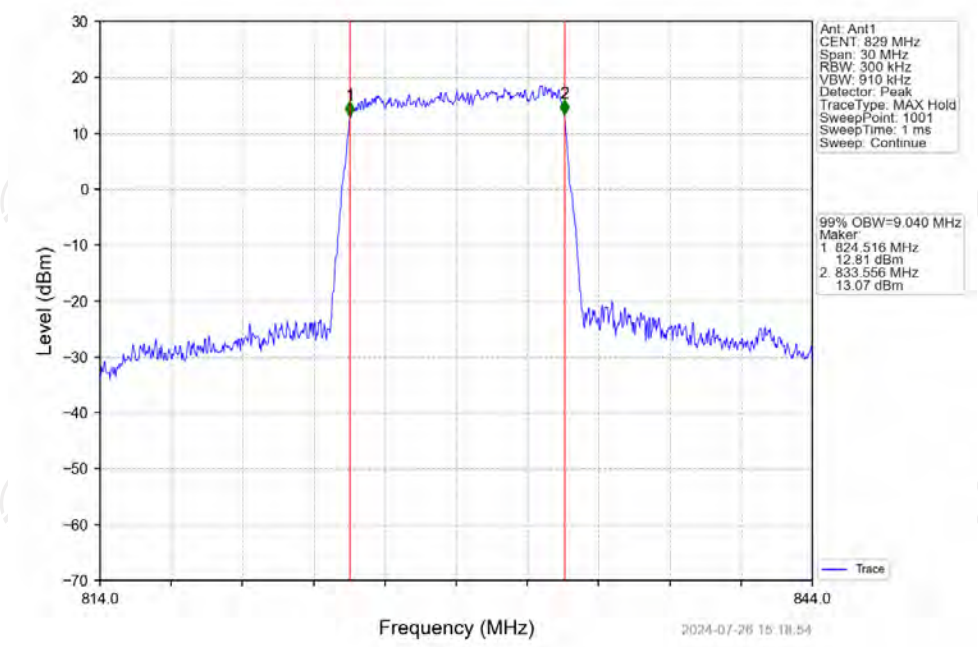
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



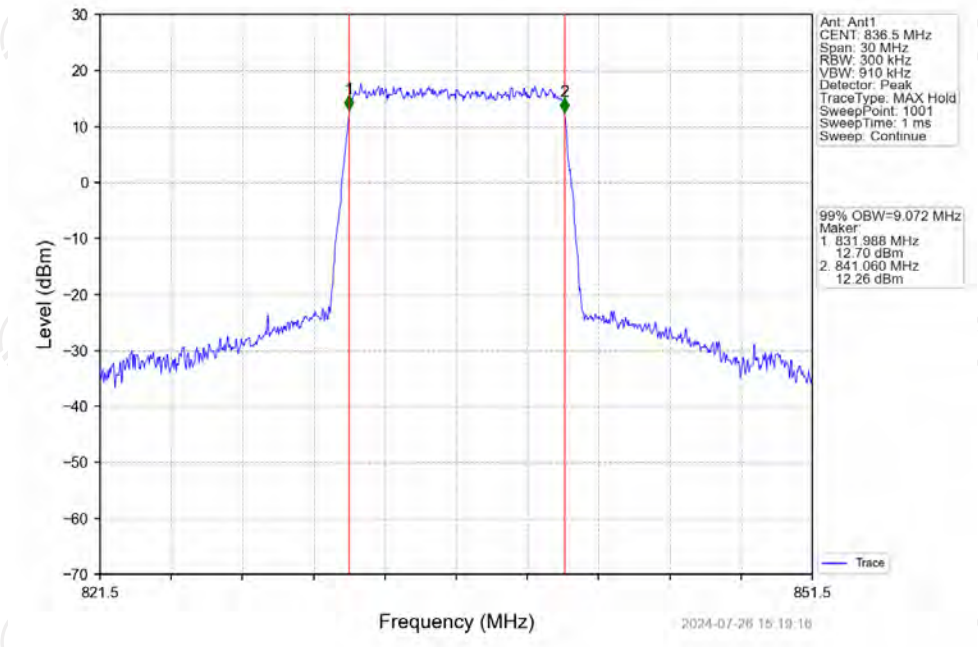
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



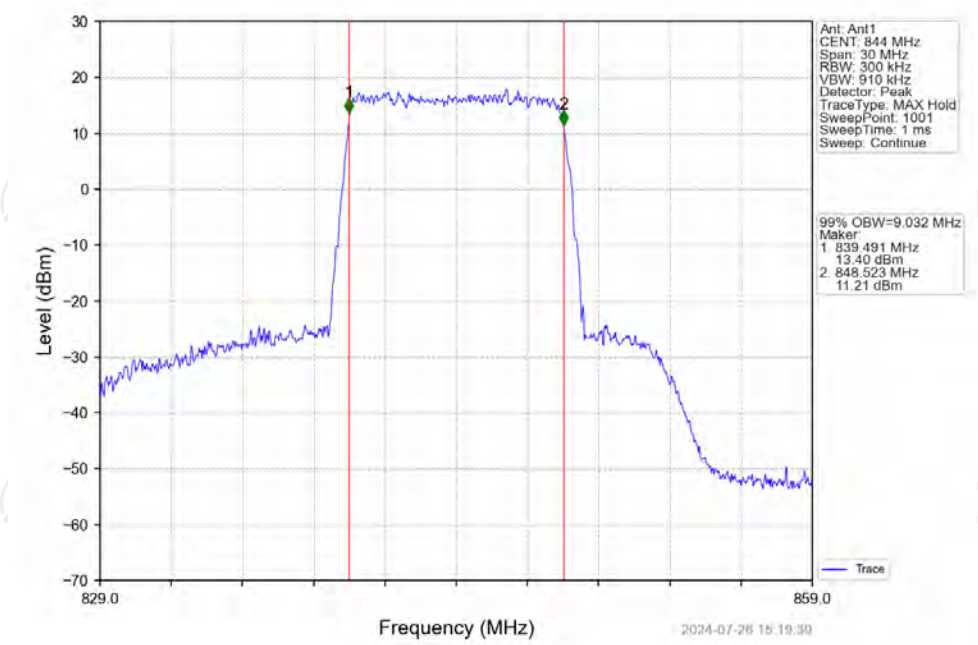
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



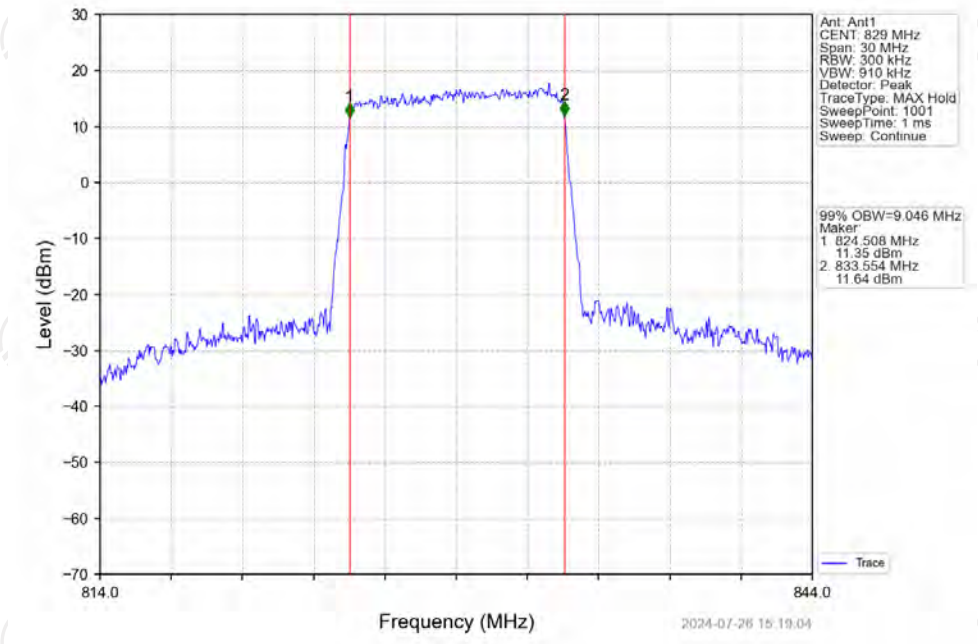
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



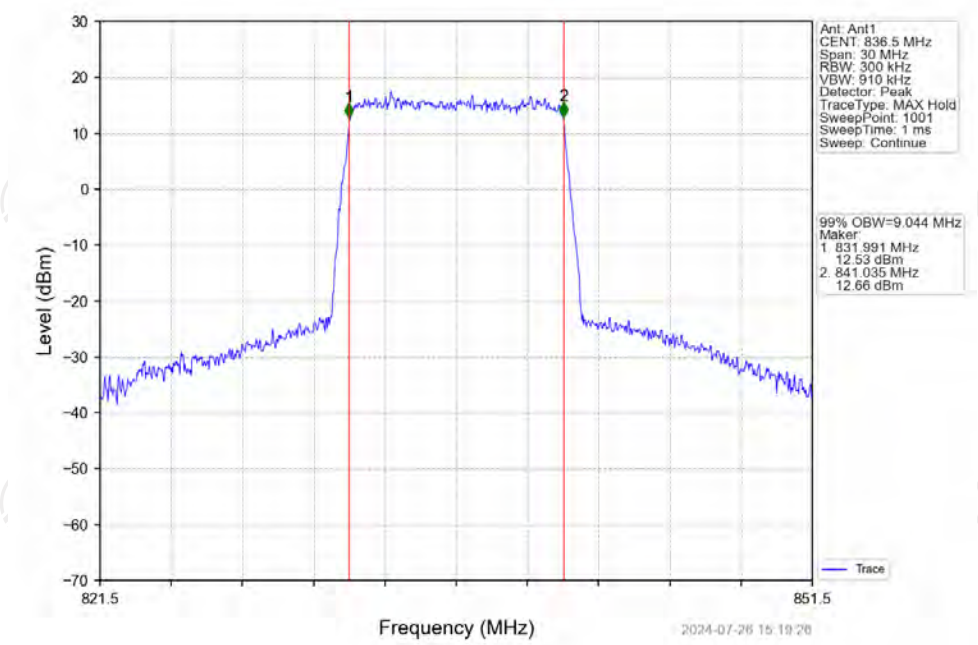
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



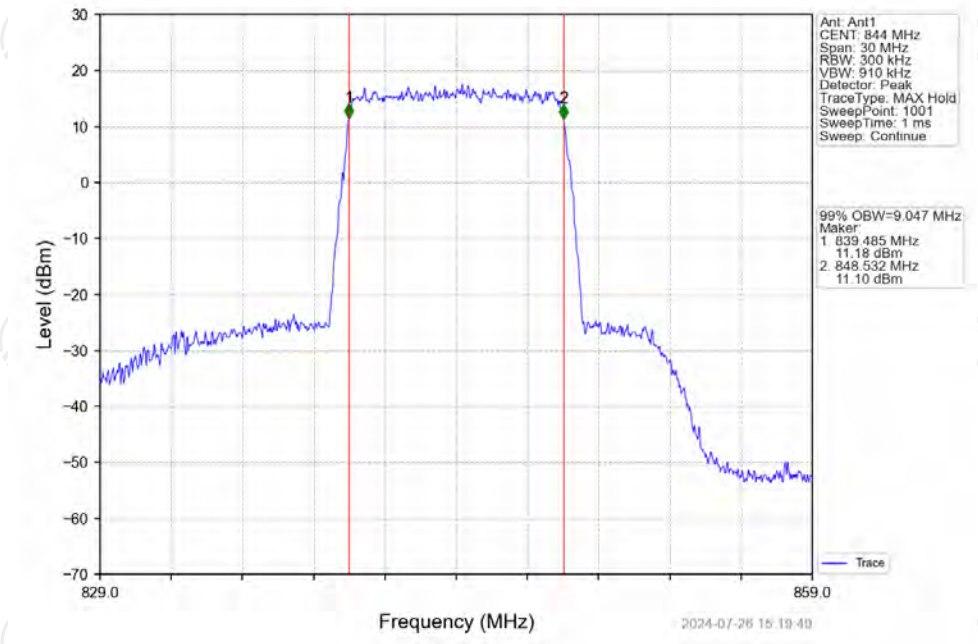
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

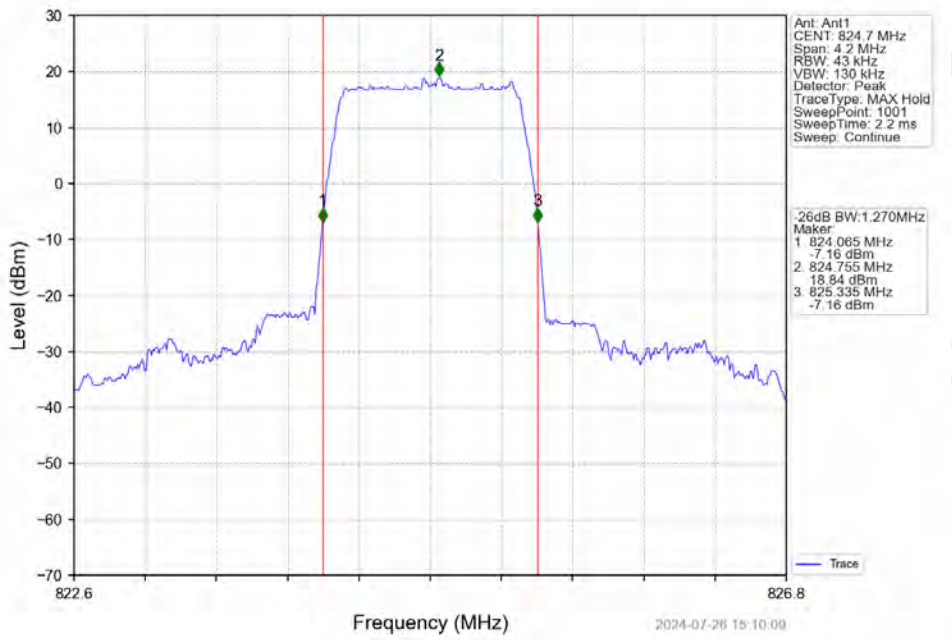


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

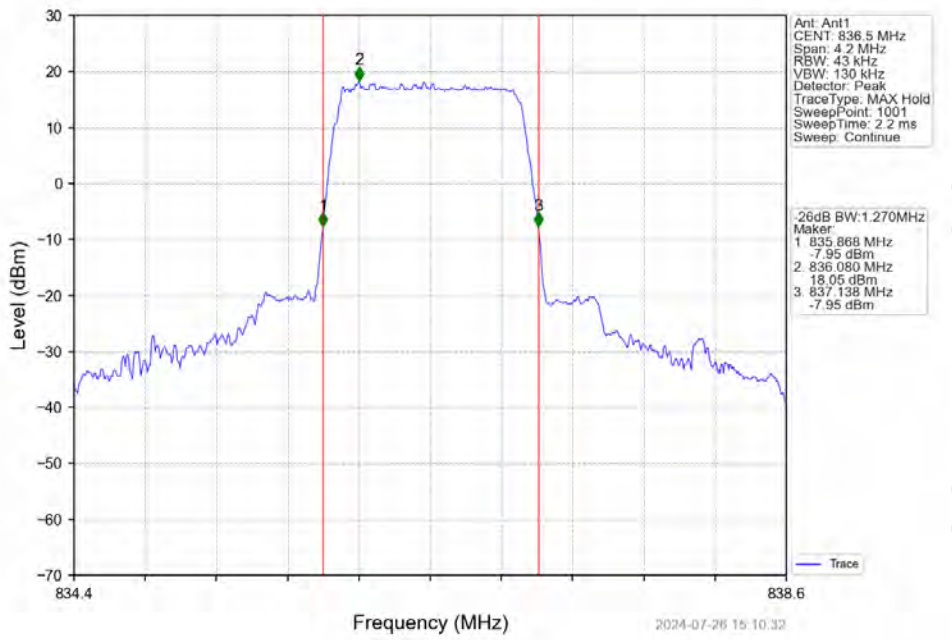


4.2.2 Band5_XDB

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



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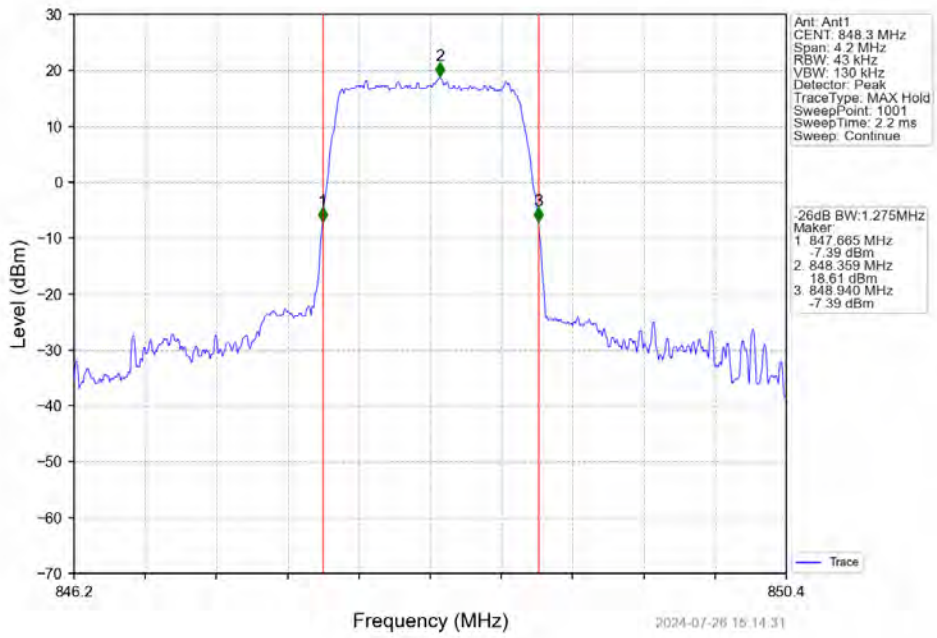
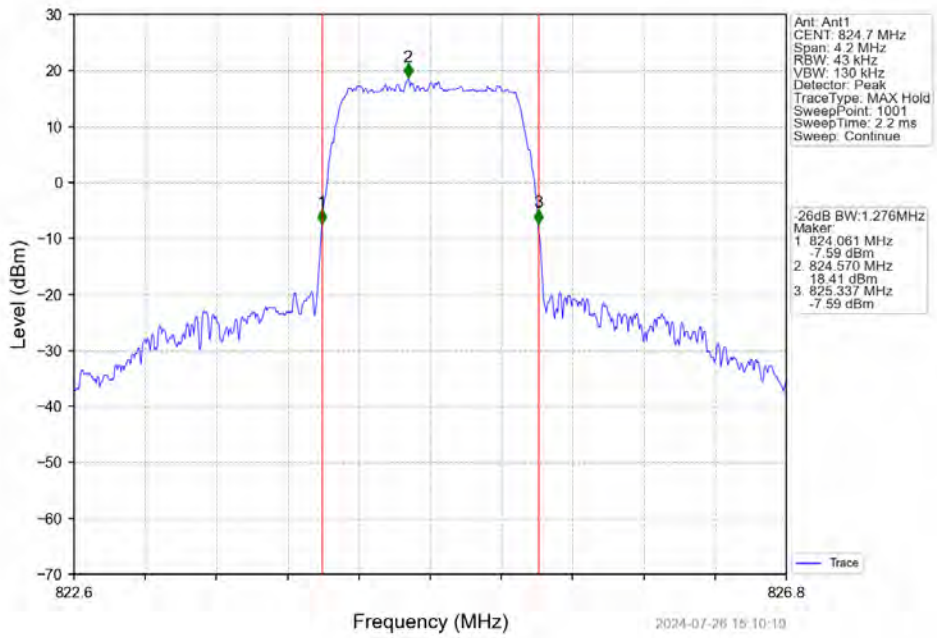
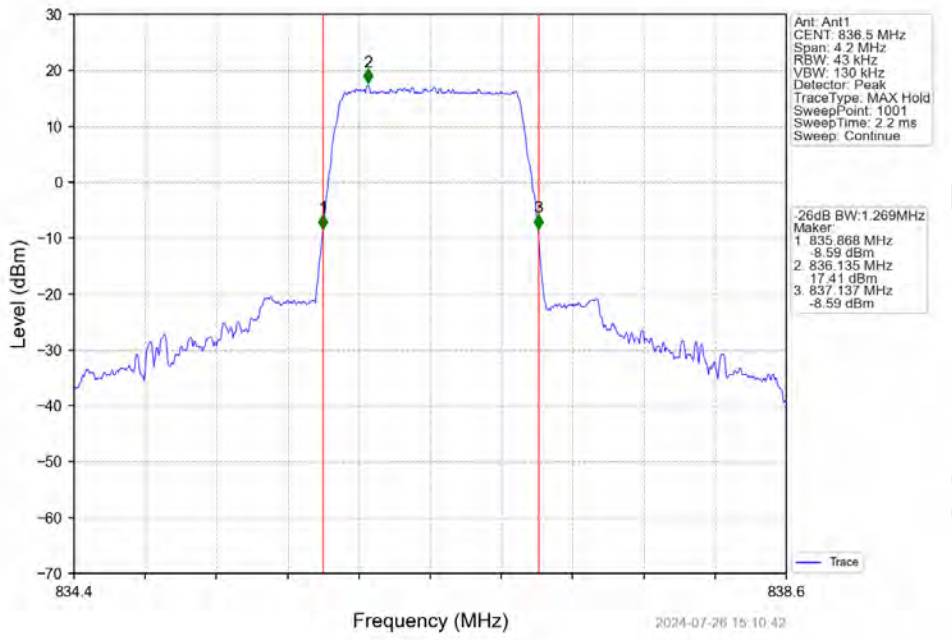
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



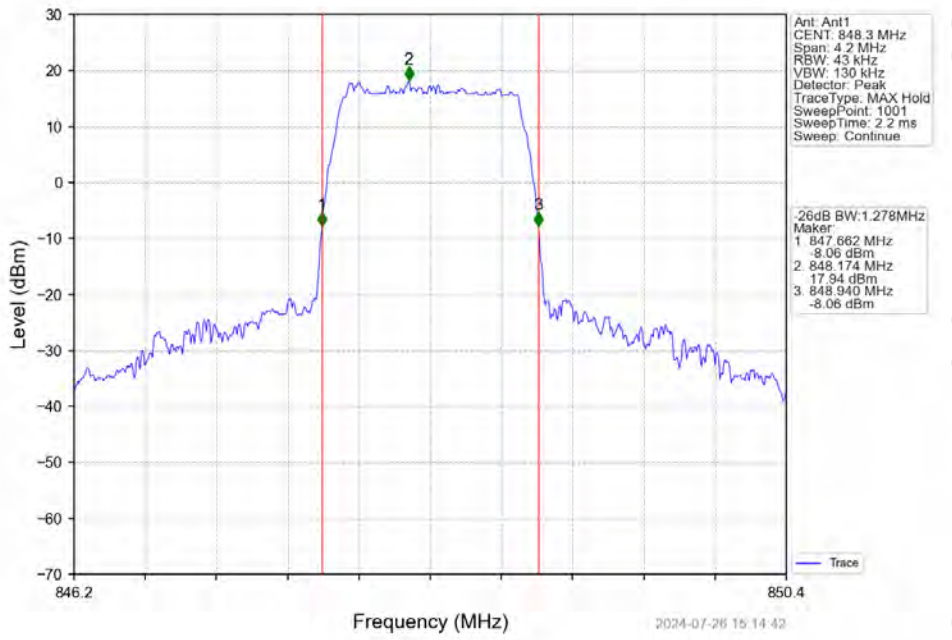
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



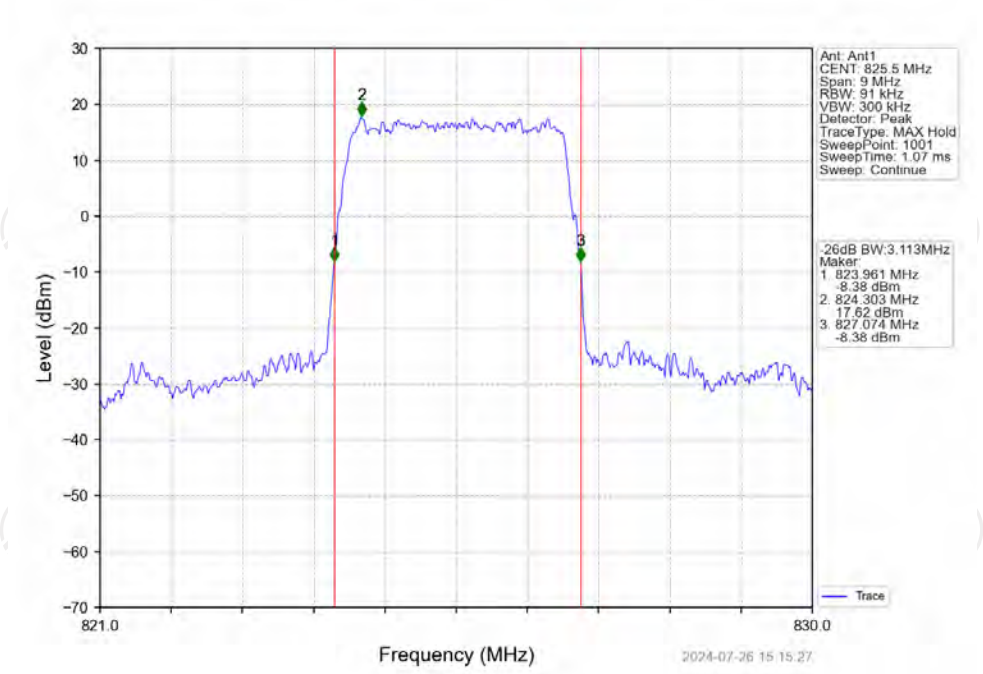
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



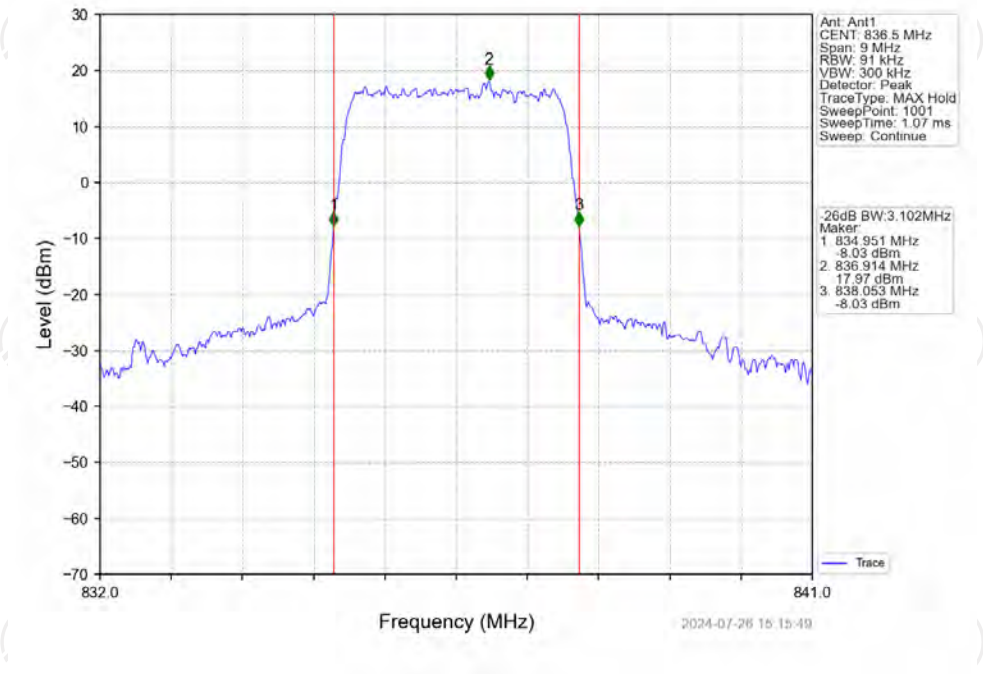
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



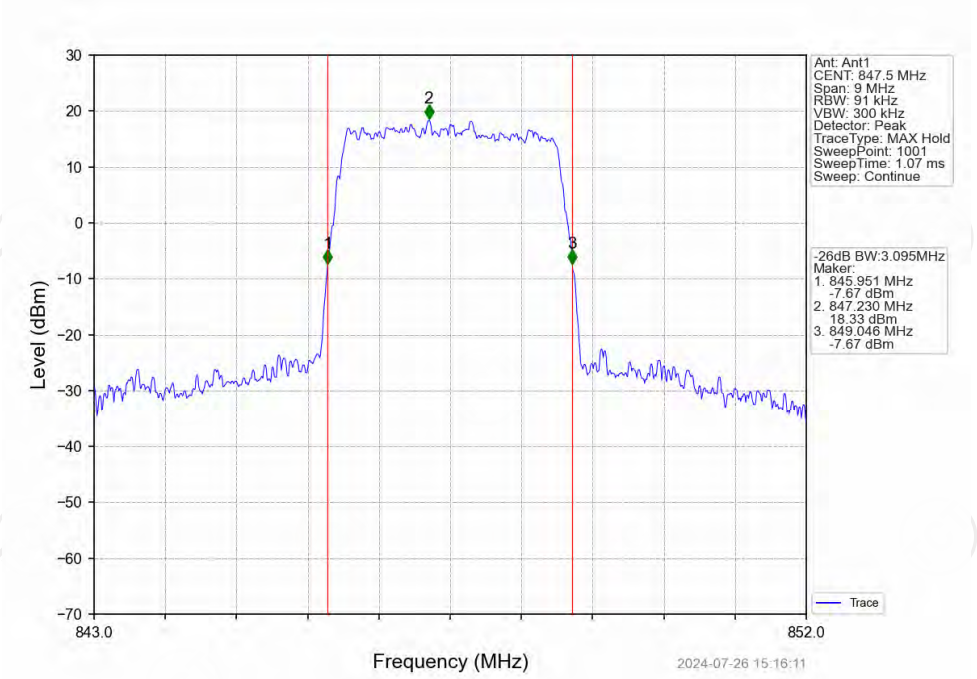
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



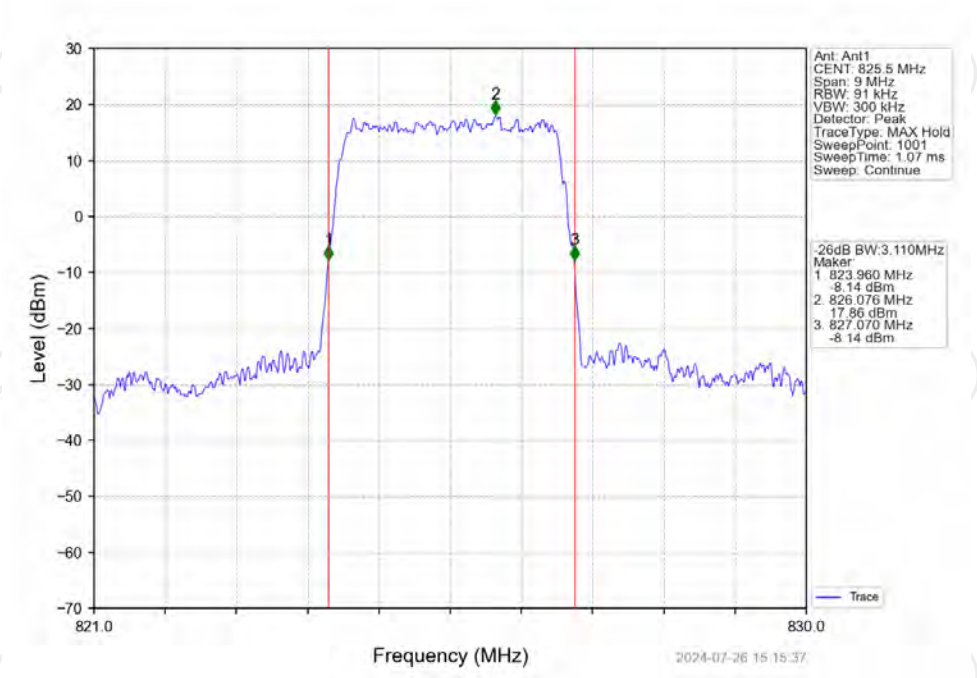
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



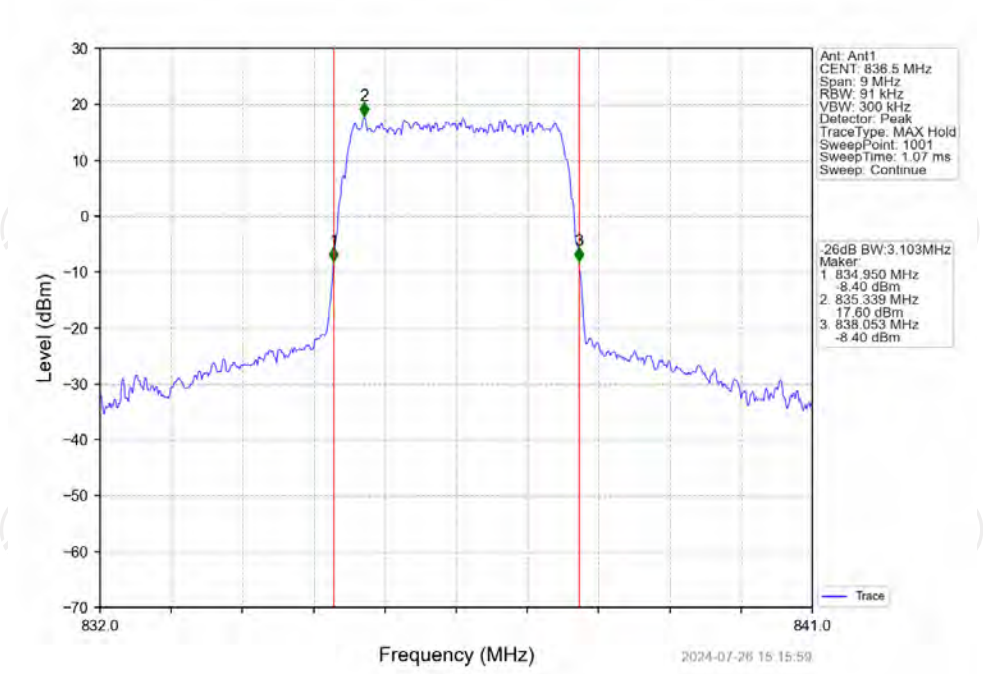
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



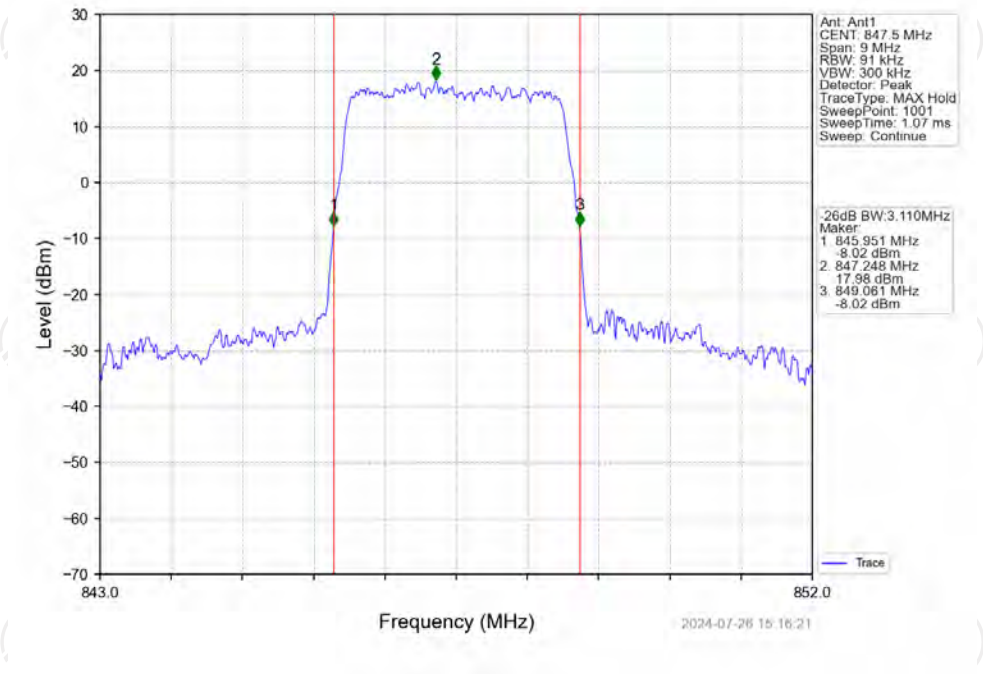
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



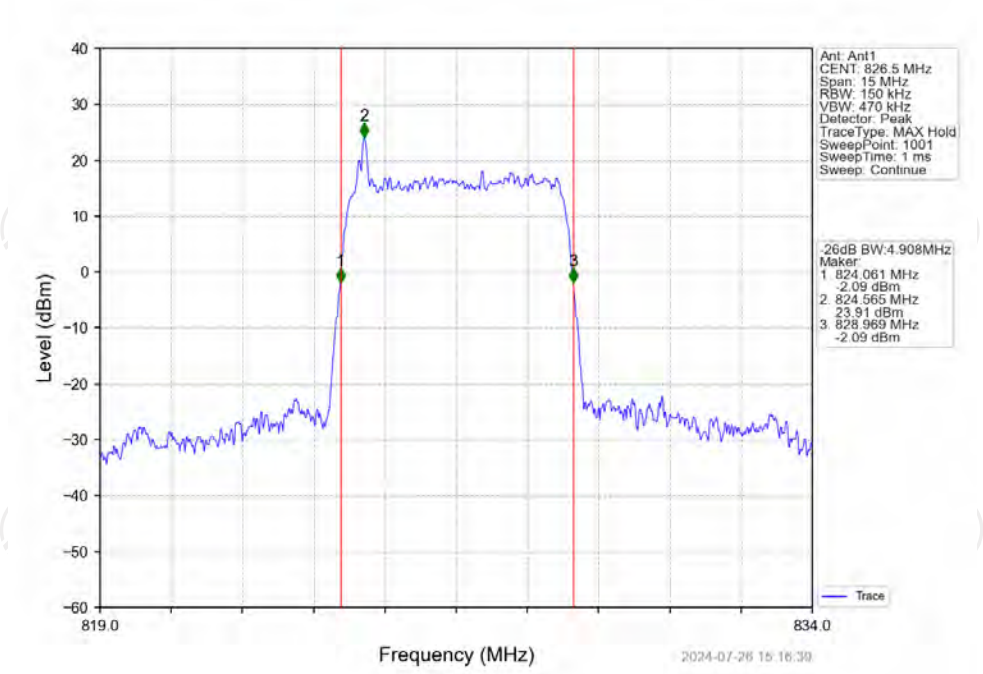
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



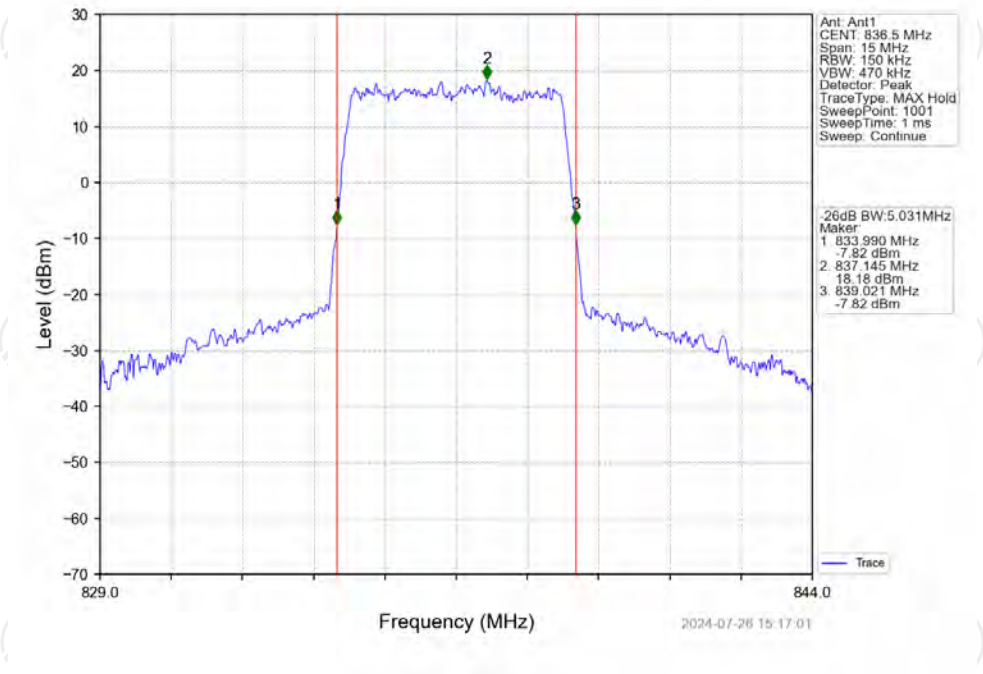
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



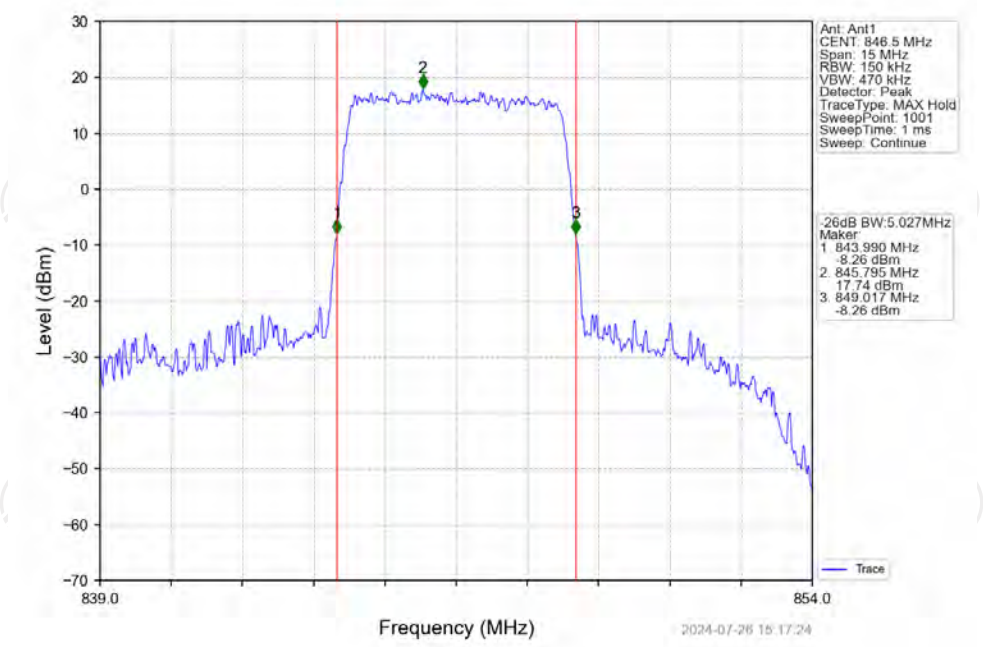
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



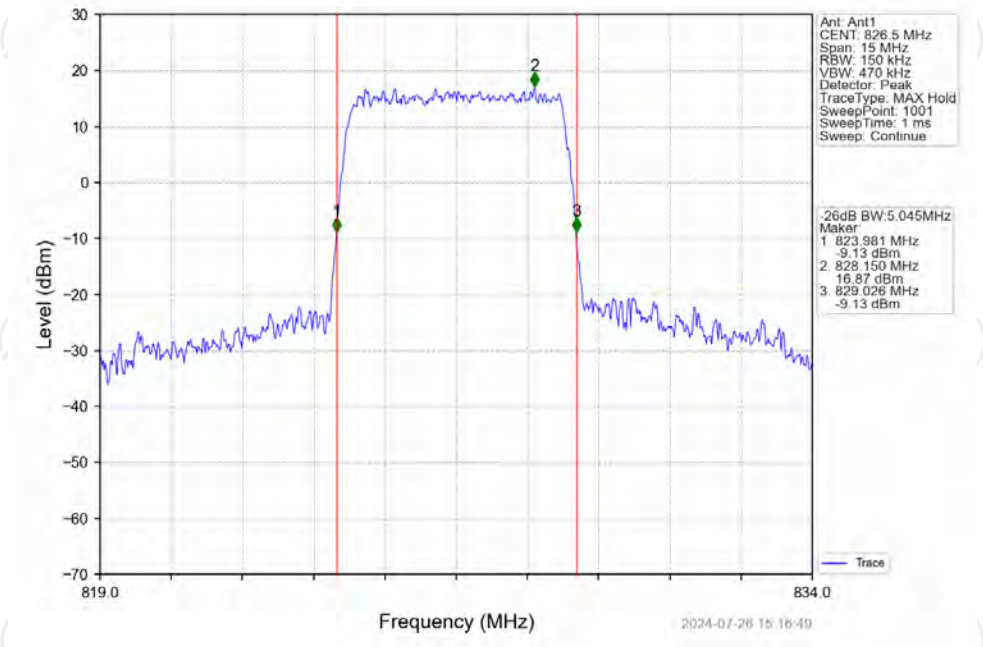
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



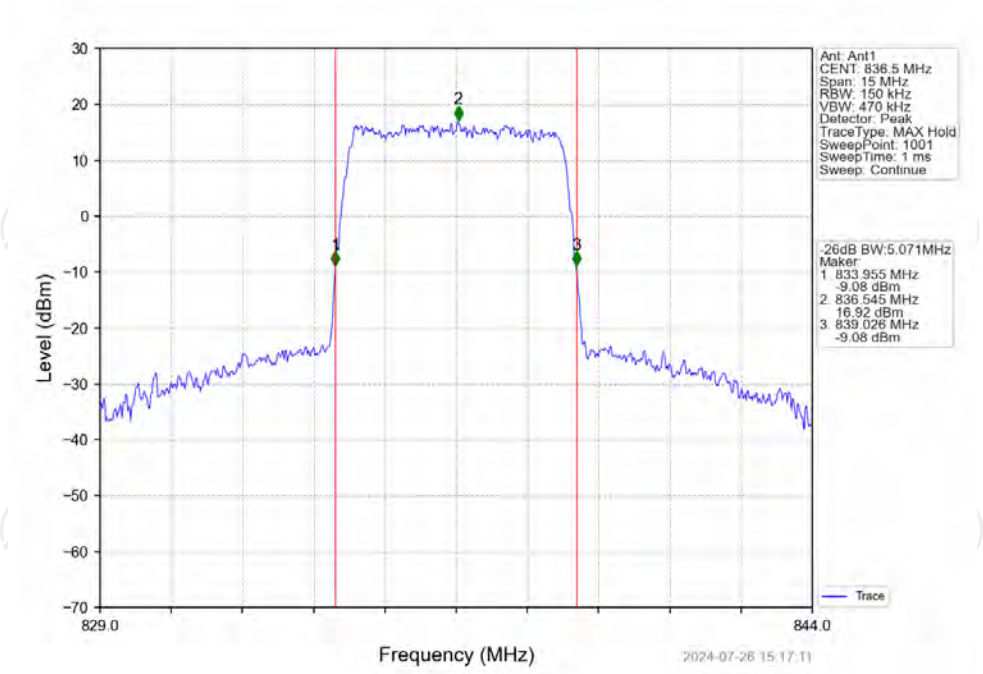
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



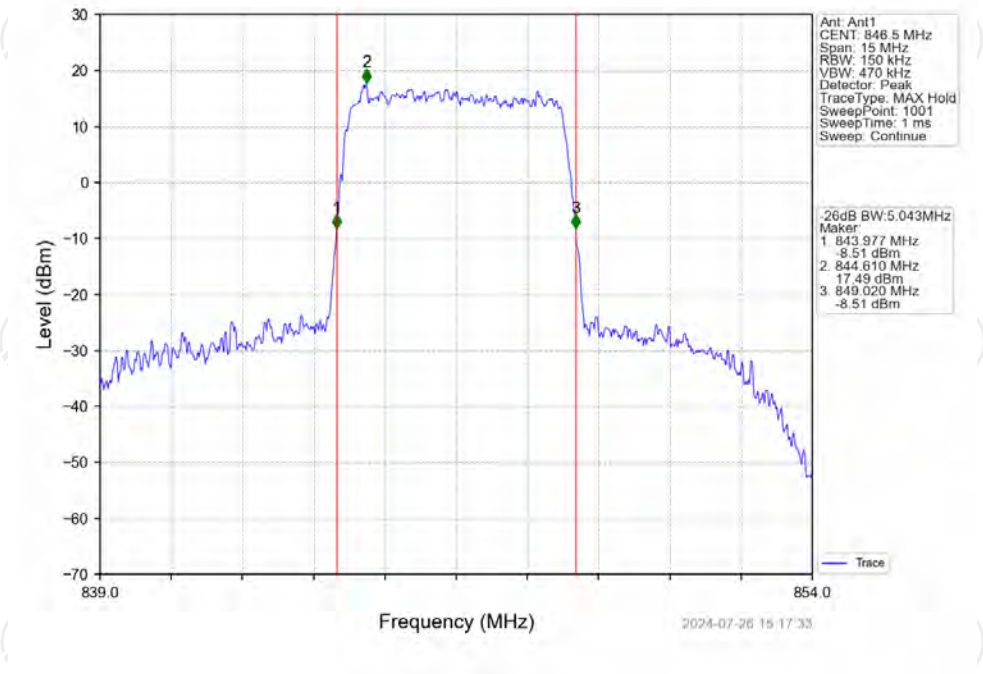
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



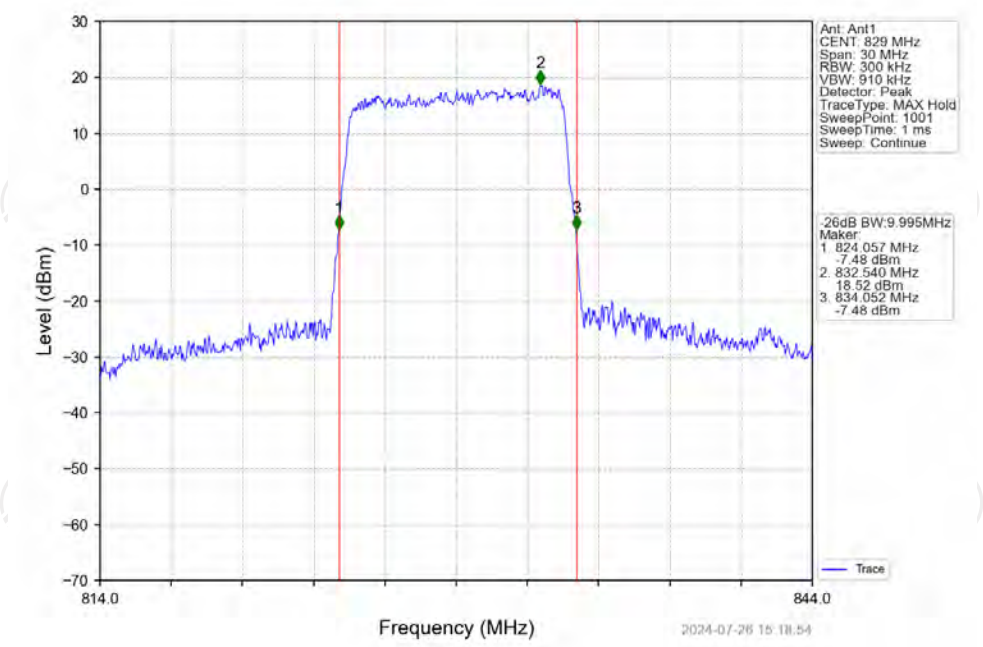
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



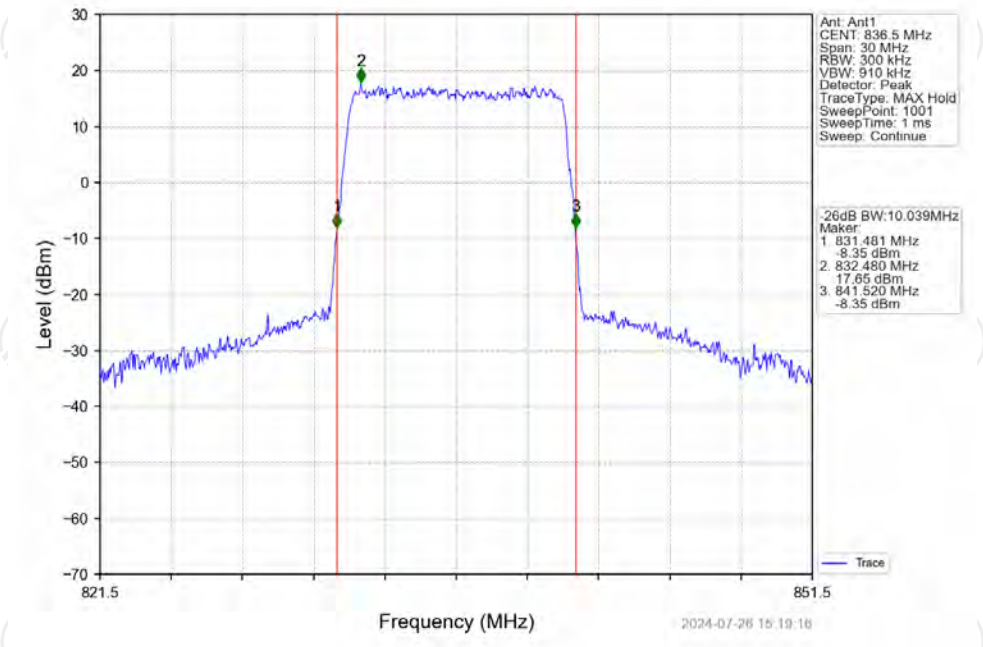
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



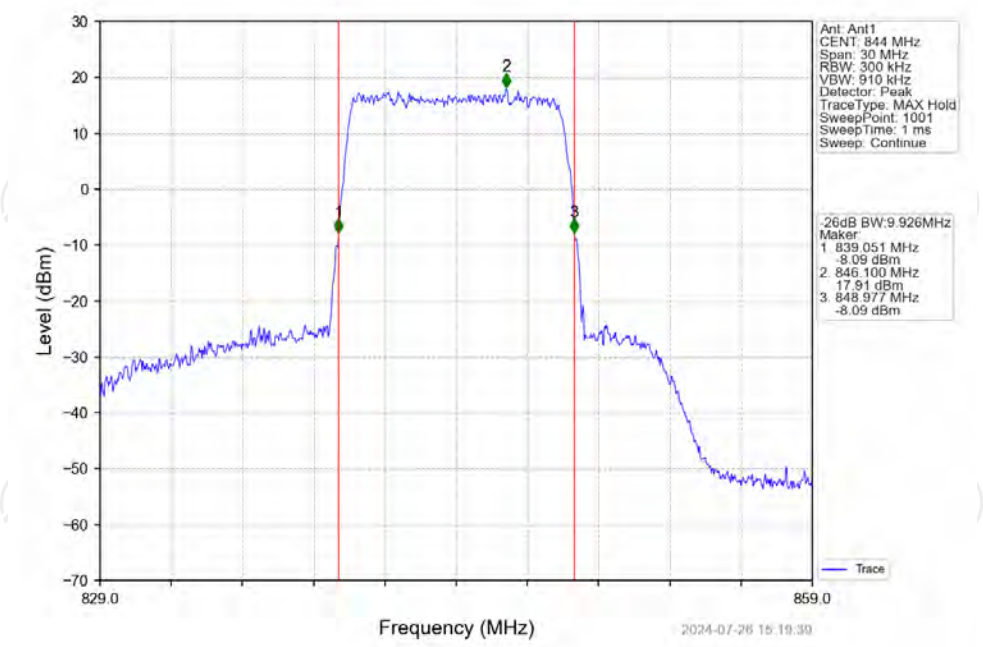
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



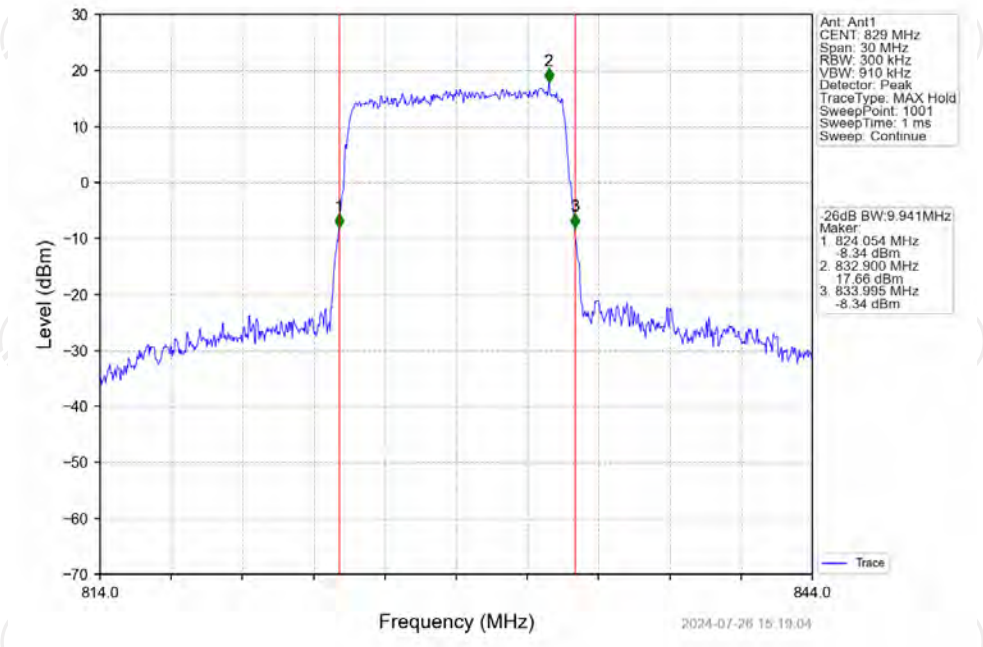
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



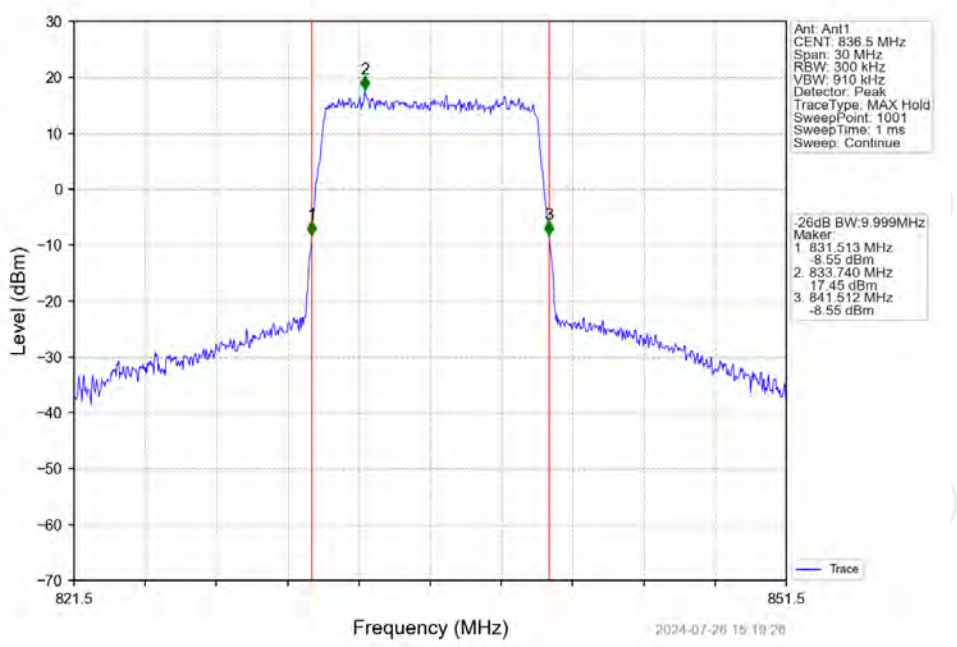
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



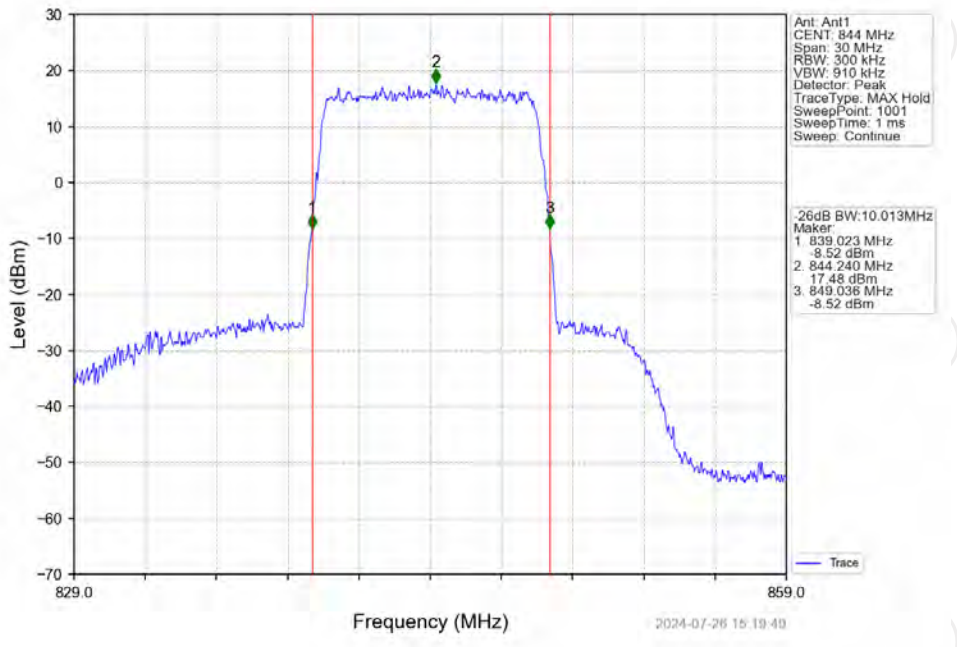
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.69	<=13	Pass
	836.5	6	0	5.75	<=13	Pass
	848.3	6	0	5.63	<=13	Pass
16QAM	824.7	6	0	5.67	<=13	Pass
	836.5	6	0	5.76	<=13	Pass
	848.3	6	0	6.52	<=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	5.58	<=13	Pass
	836.5	15	0	5.86	<=13	Pass
	847.5	15	0	5.74	<=13	Pass
16QAM	825.5	15	0	6.33	<=13	Pass
	836.5	15	0	6.65	<=13	Pass
	847.5	15	0	6.54	<=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	5.70	<=13	Pass
	836.5	25	0	5.81	<=13	Pass
	846.5	25	0	5.67	<=13	Pass
16QAM	826.5	25	0	6.36	<=13	Pass
	836.5	25	0	6.51	<=13	Pass
	846.5	25	0	6.50	<=13	Pass

5.1.4 B5_10MHz

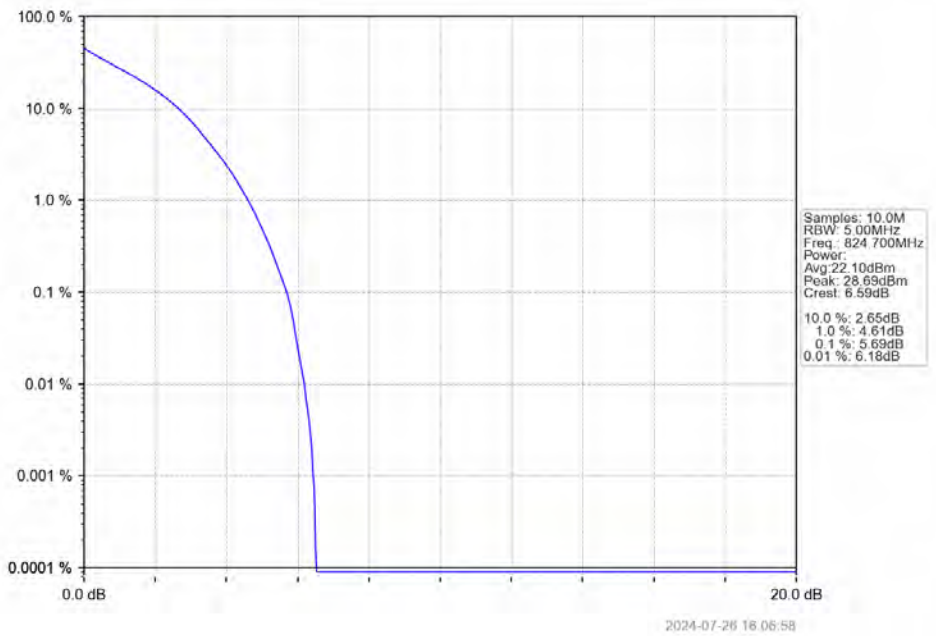
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.62	<=13	Pass
	836.5	50	0	5.77	<=13	Pass
	844	50	0	5.73	<=13	Pass
16QAM	829	50	0	5.61	<=13	Pass
	836.5	50	0	5.77	<=13	Pass

	844	50	0	5.74	<=13	Pass

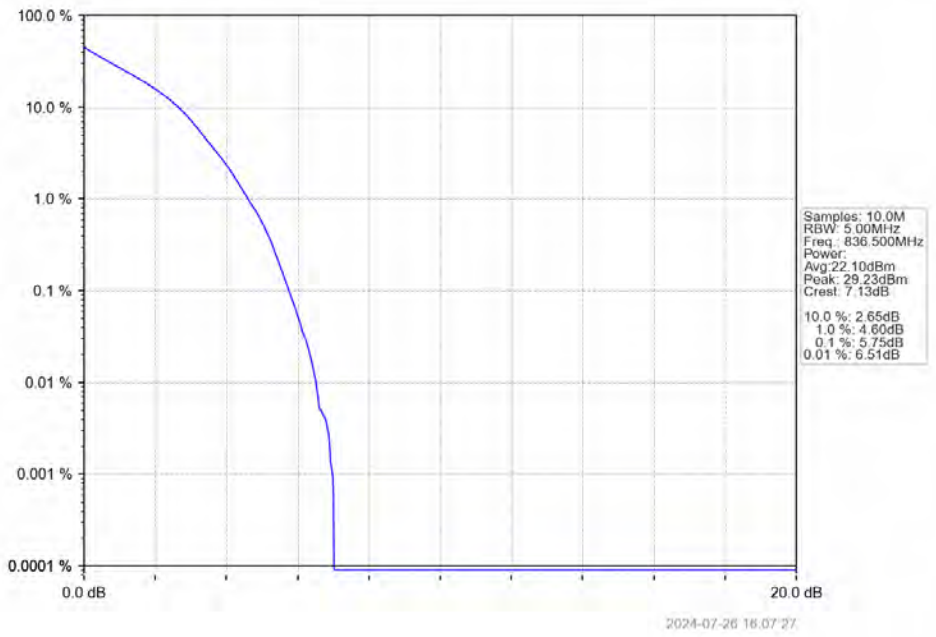
5.2 Test Graph

5.2.1 B5_1.4MHz

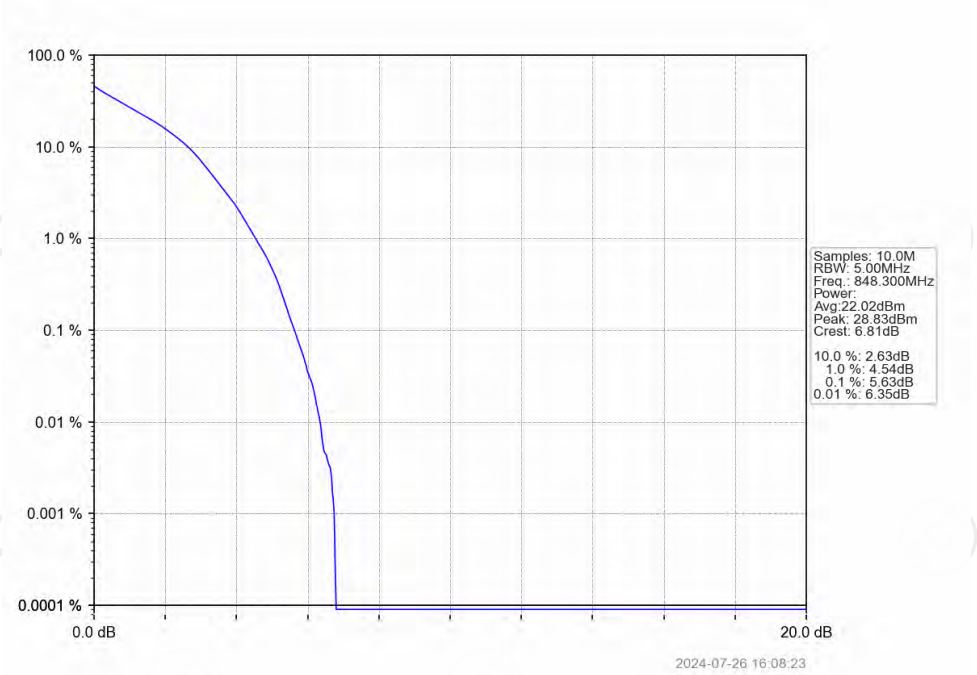
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



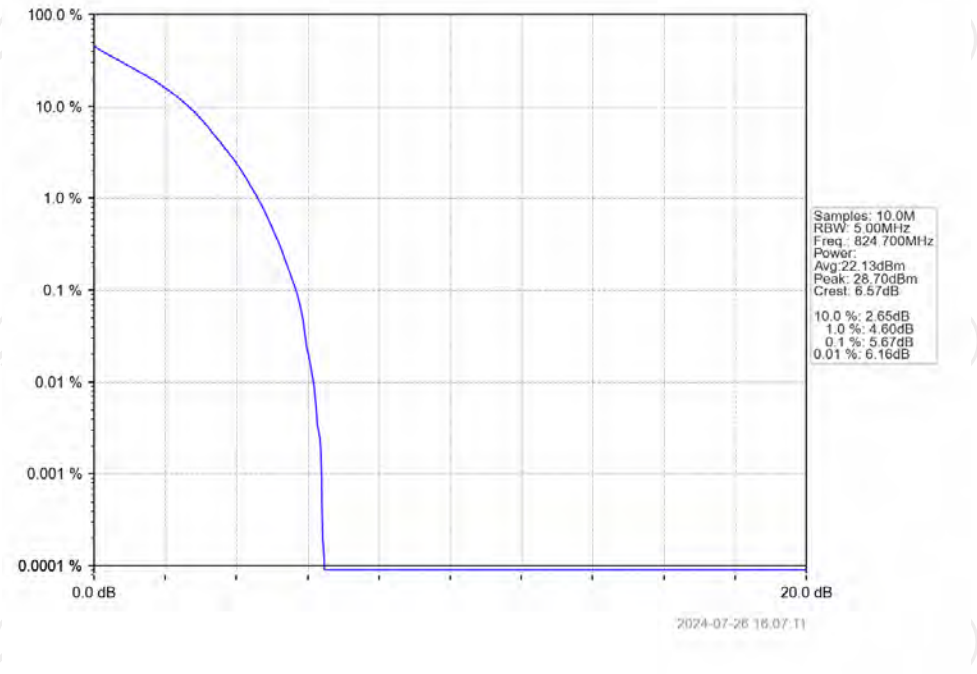
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



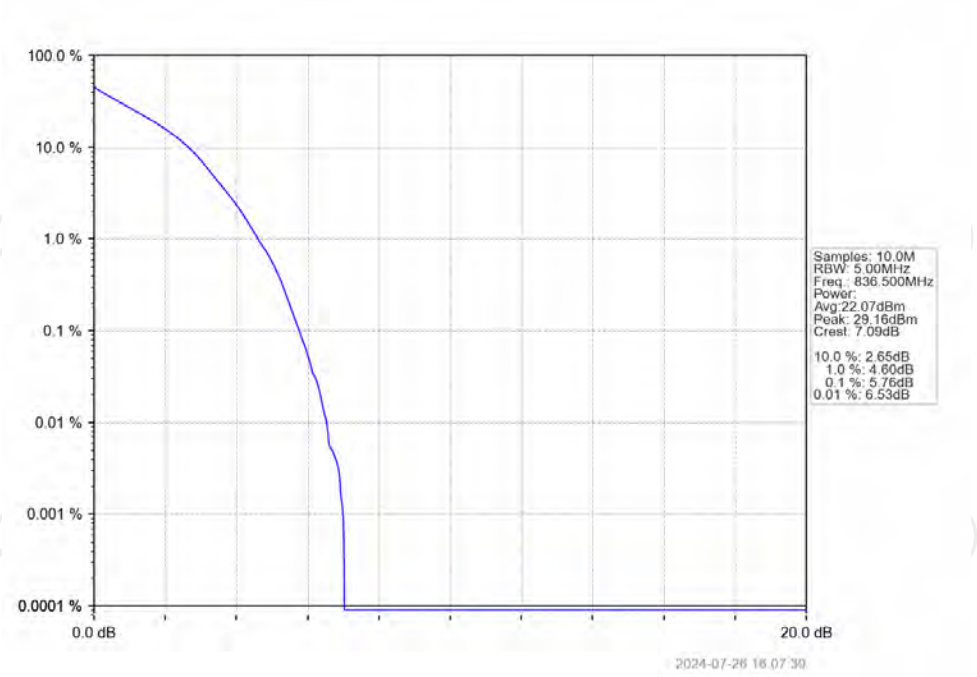
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



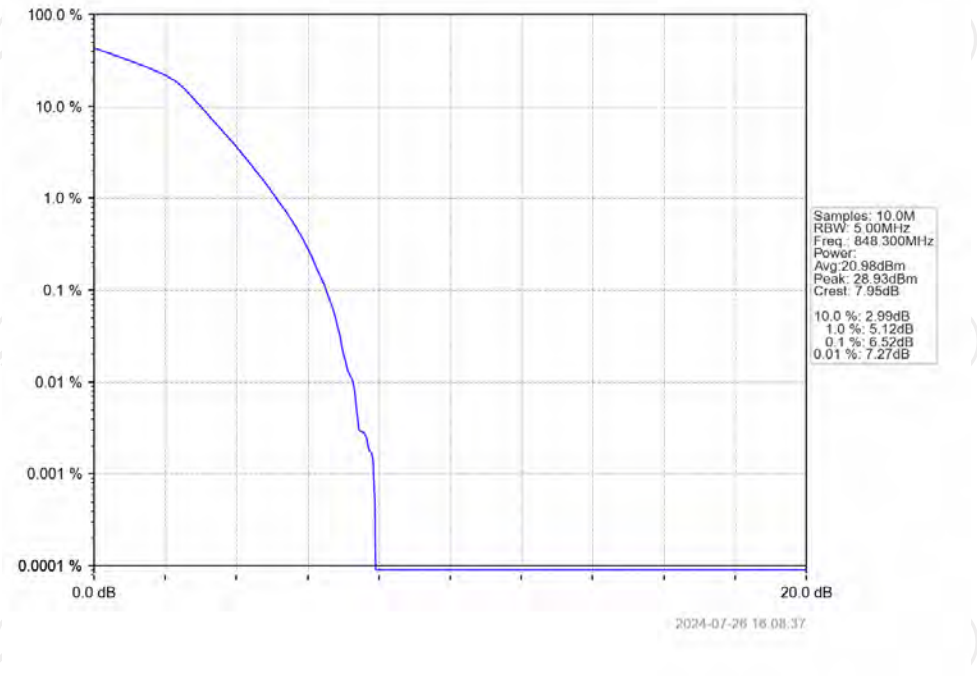
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

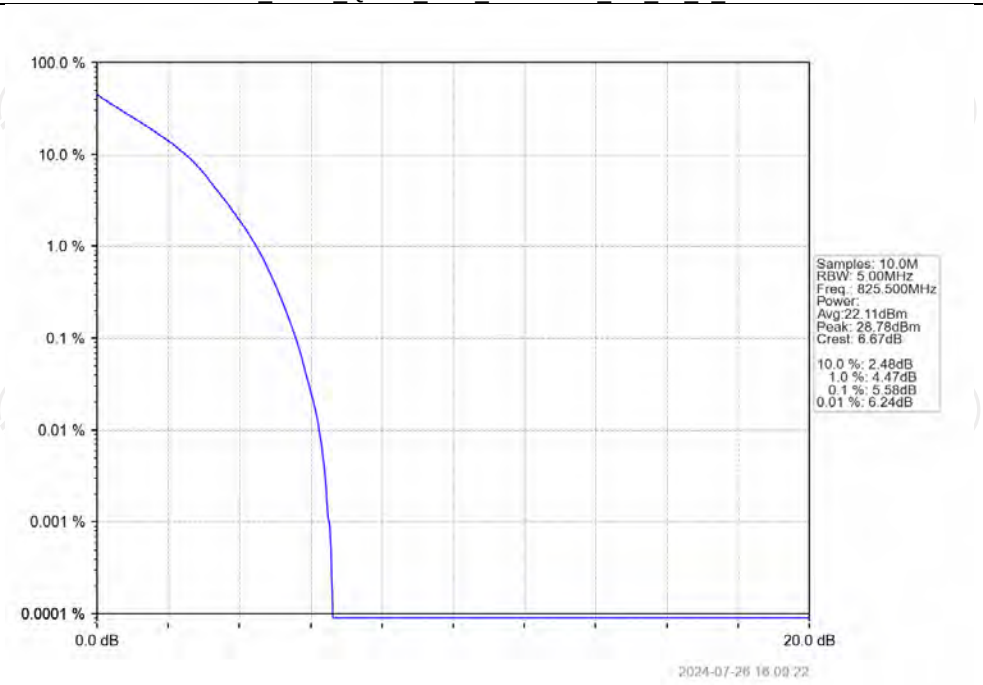


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

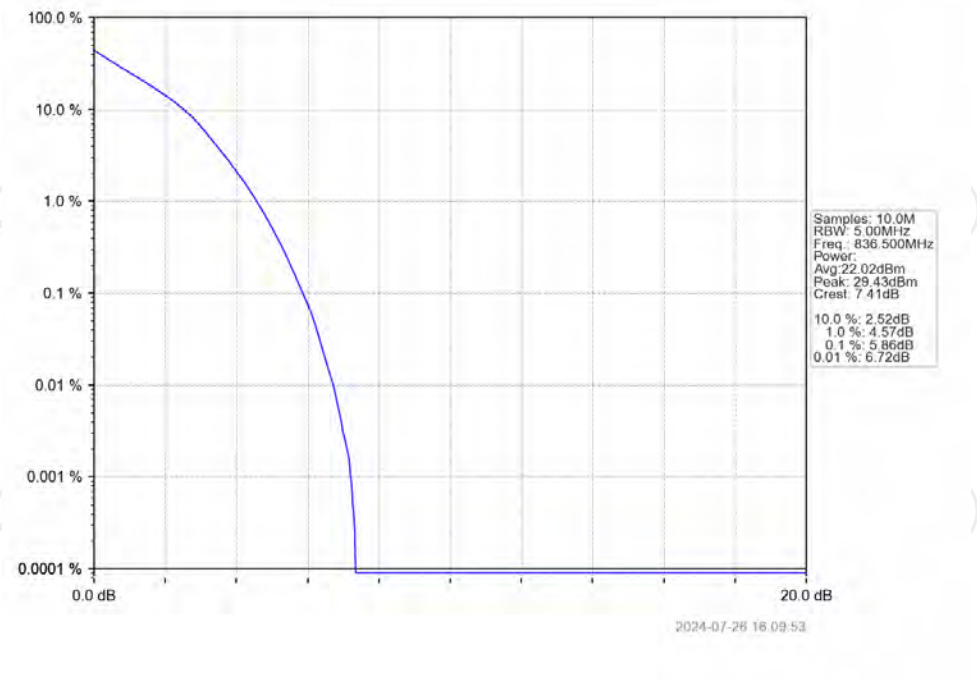


5.2.2 B5_3MHz

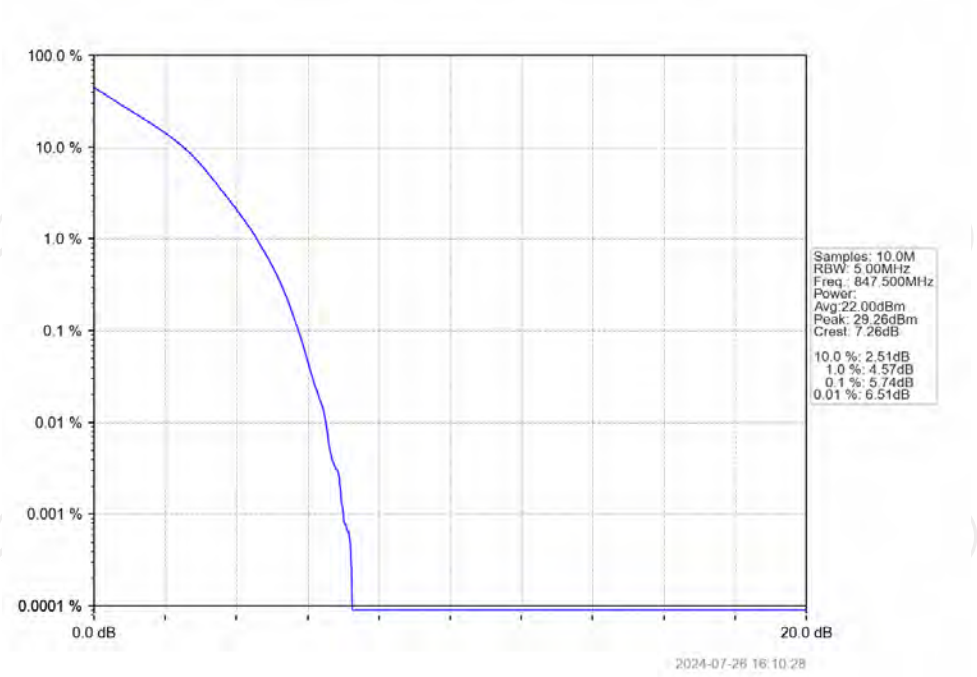
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



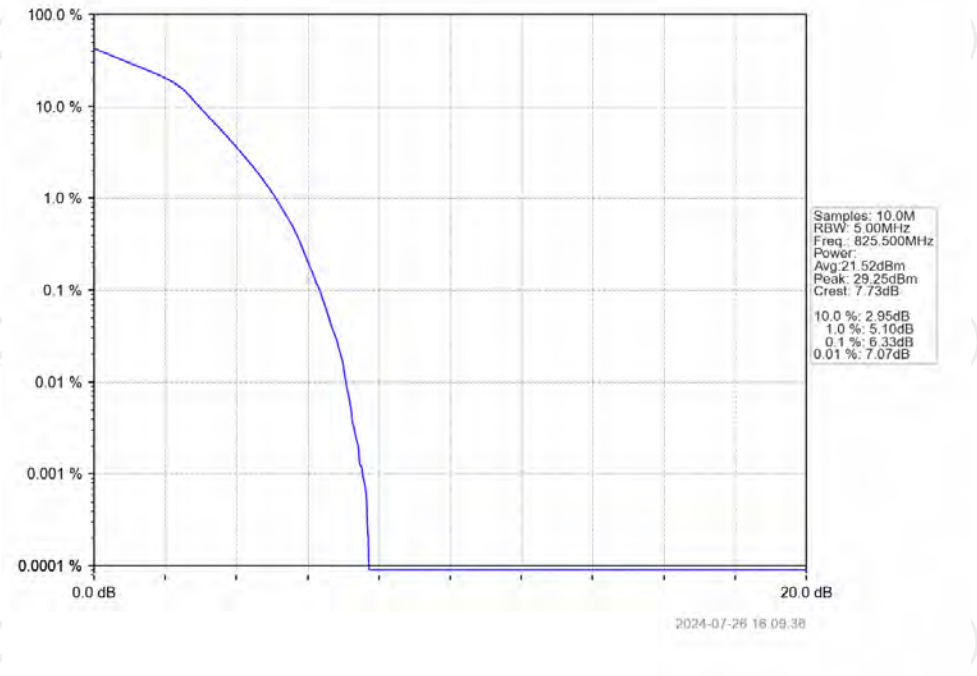
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



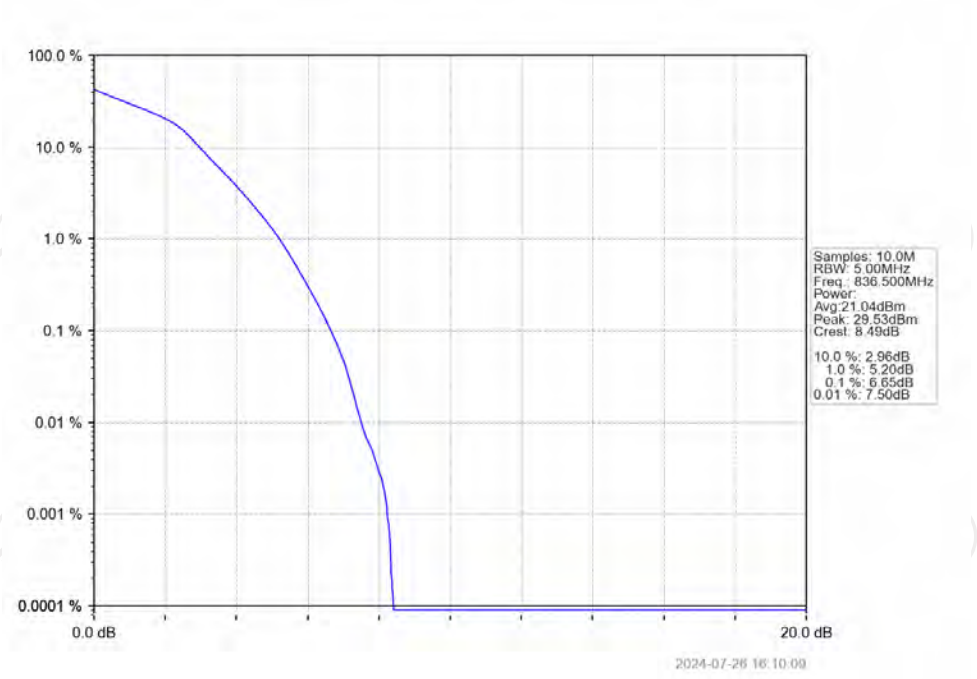
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



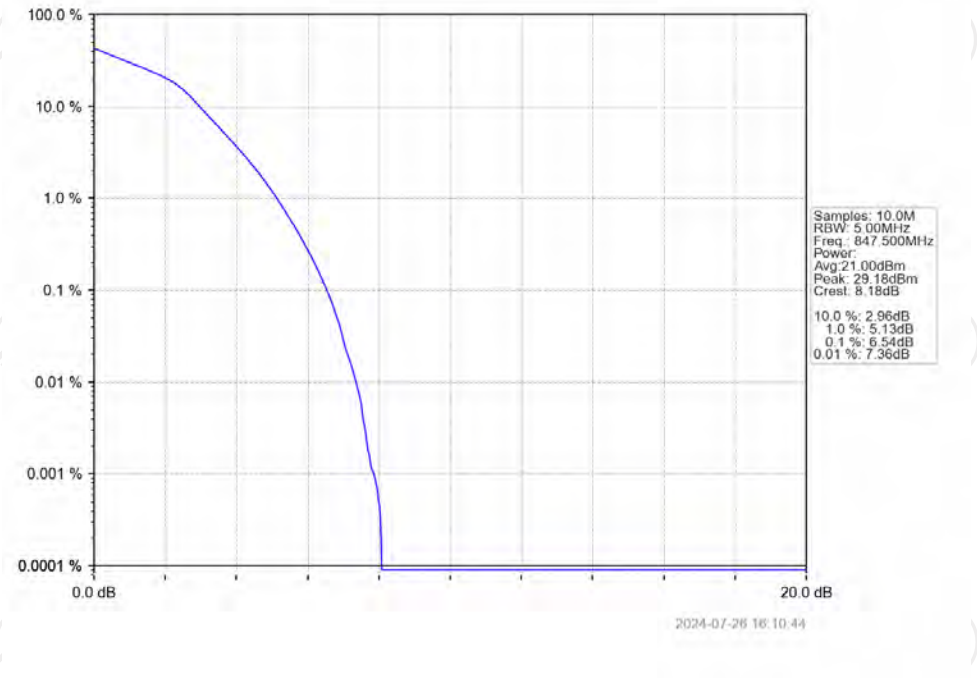
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

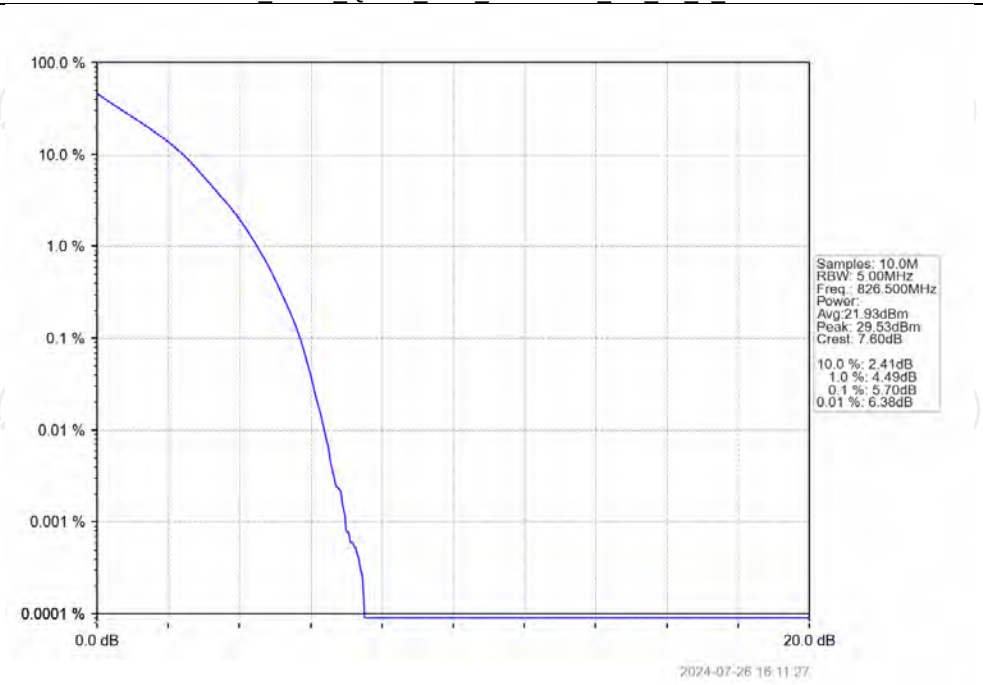


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

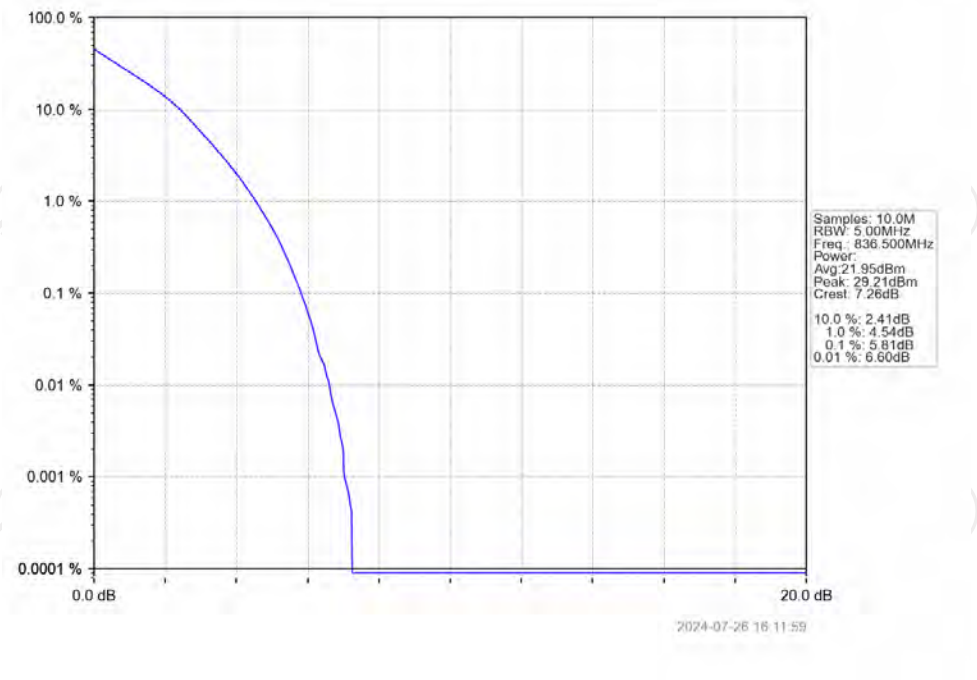


5.2.3 B5_5MHz

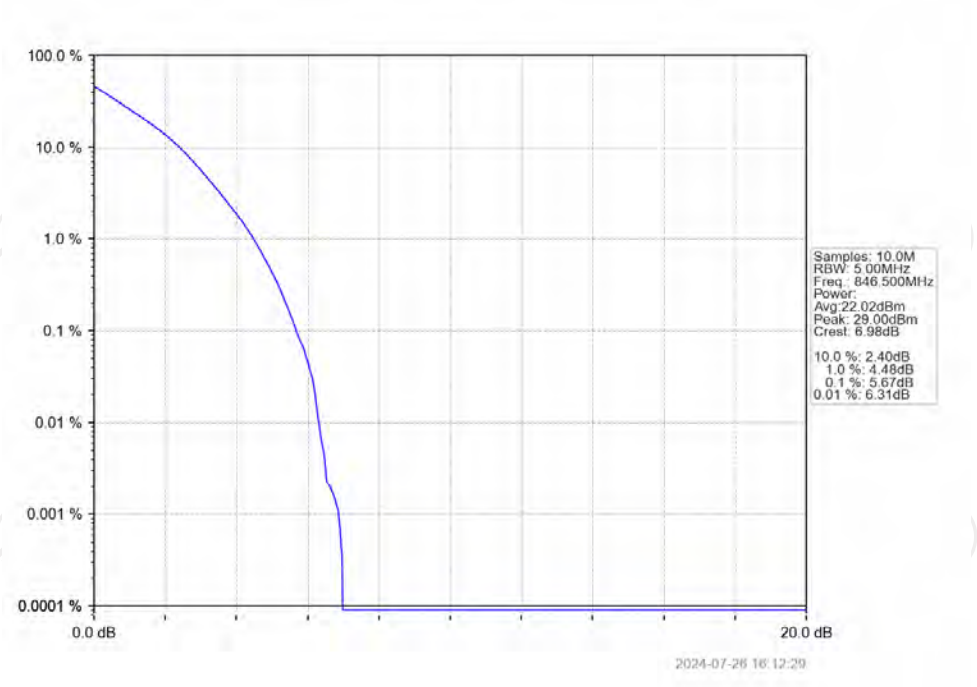
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



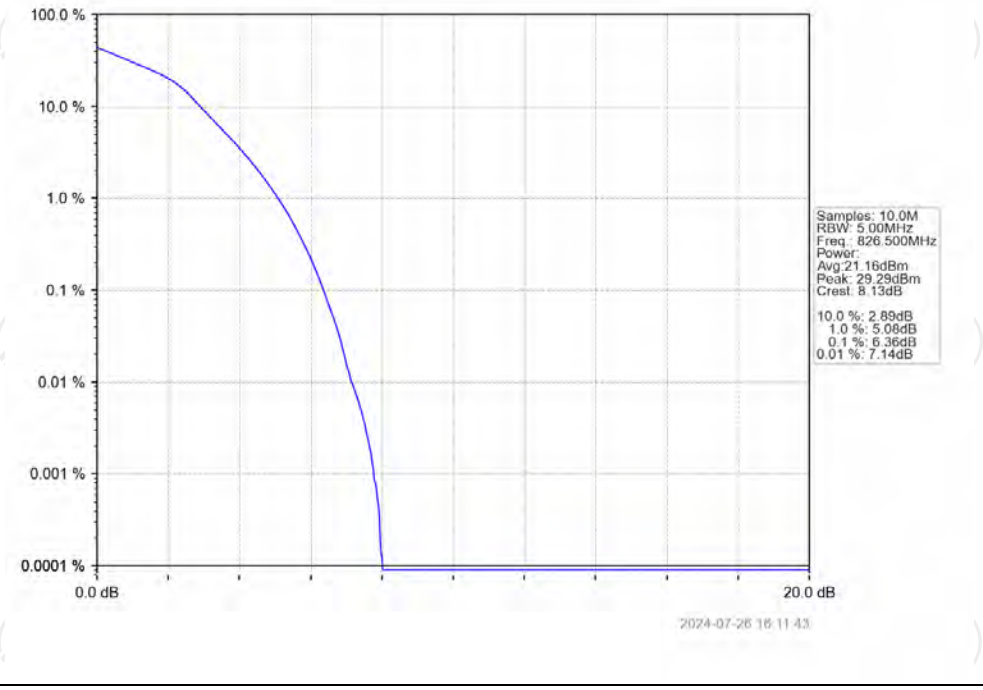
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



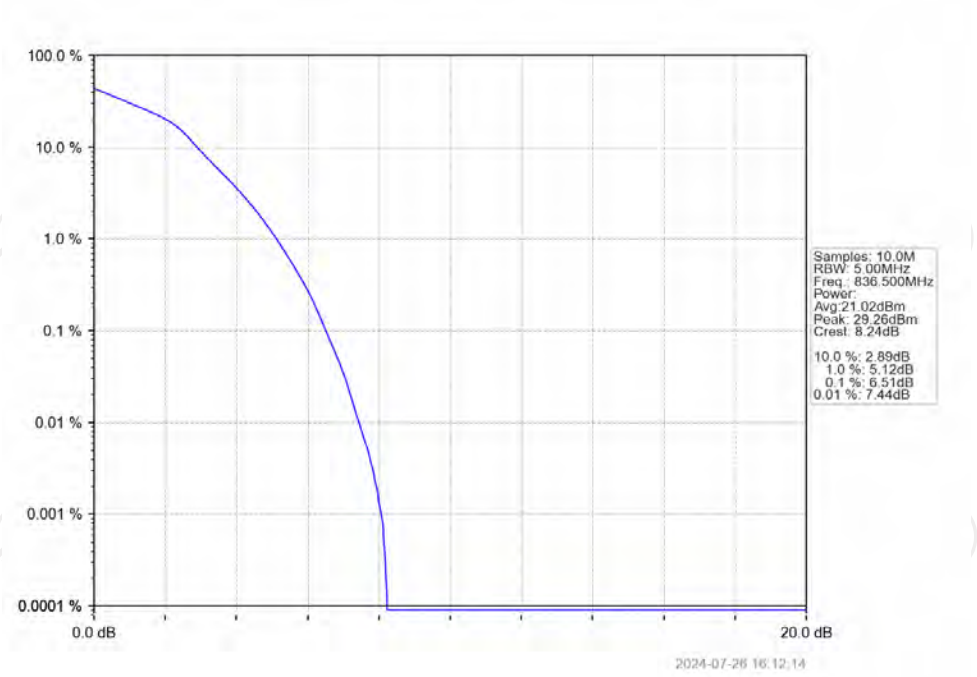
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



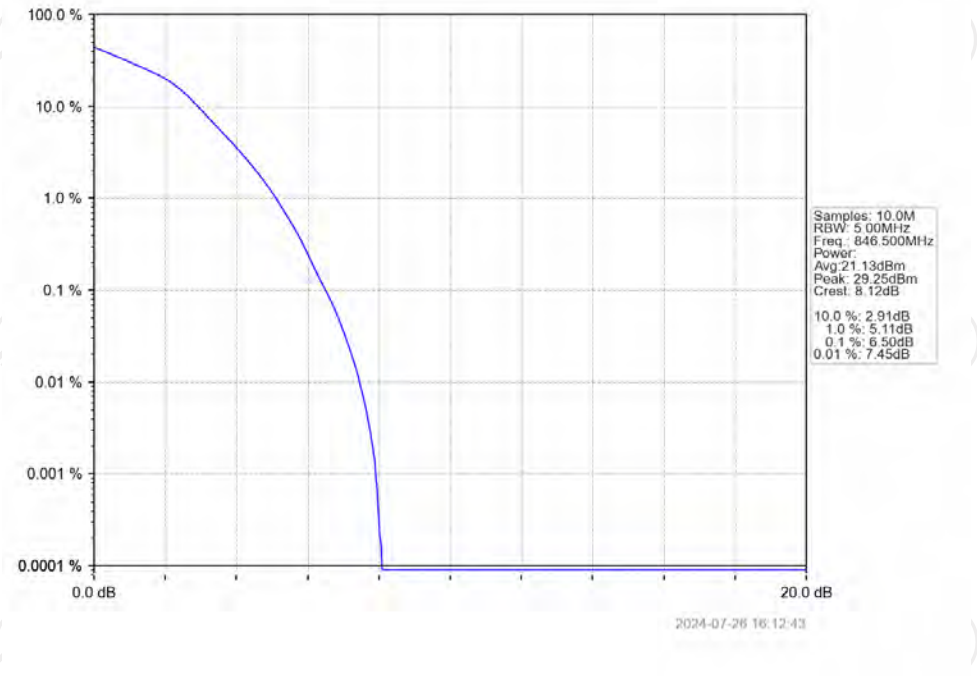
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

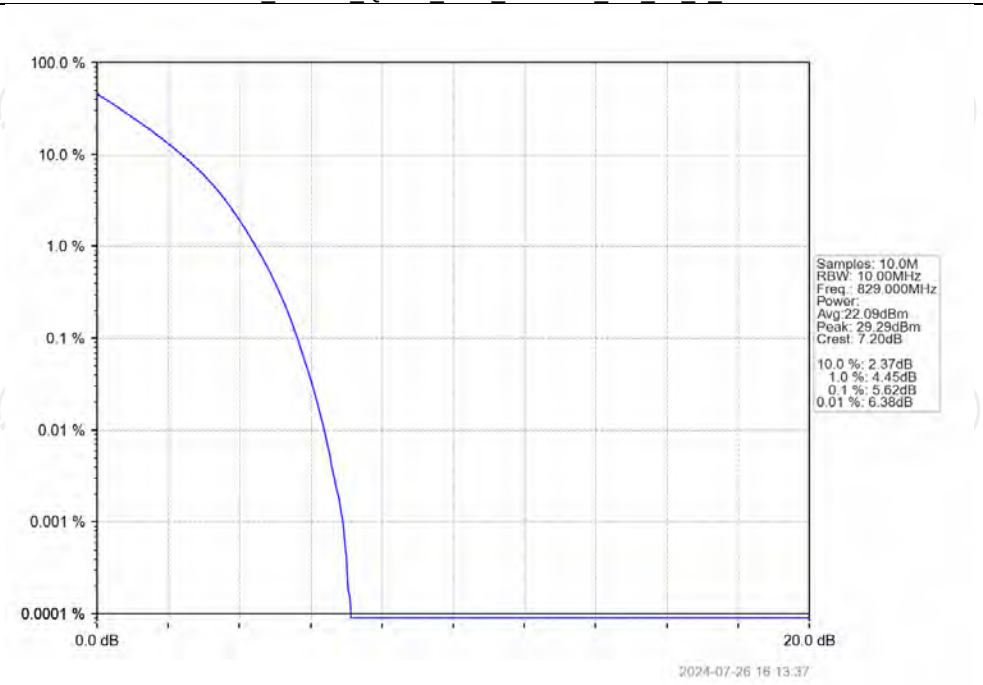


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

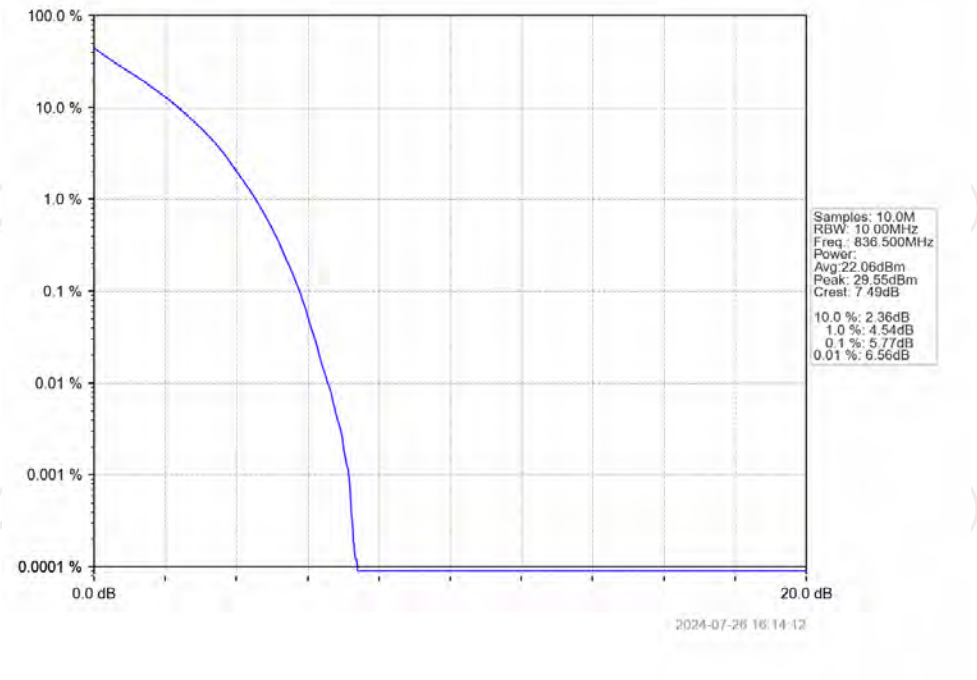


5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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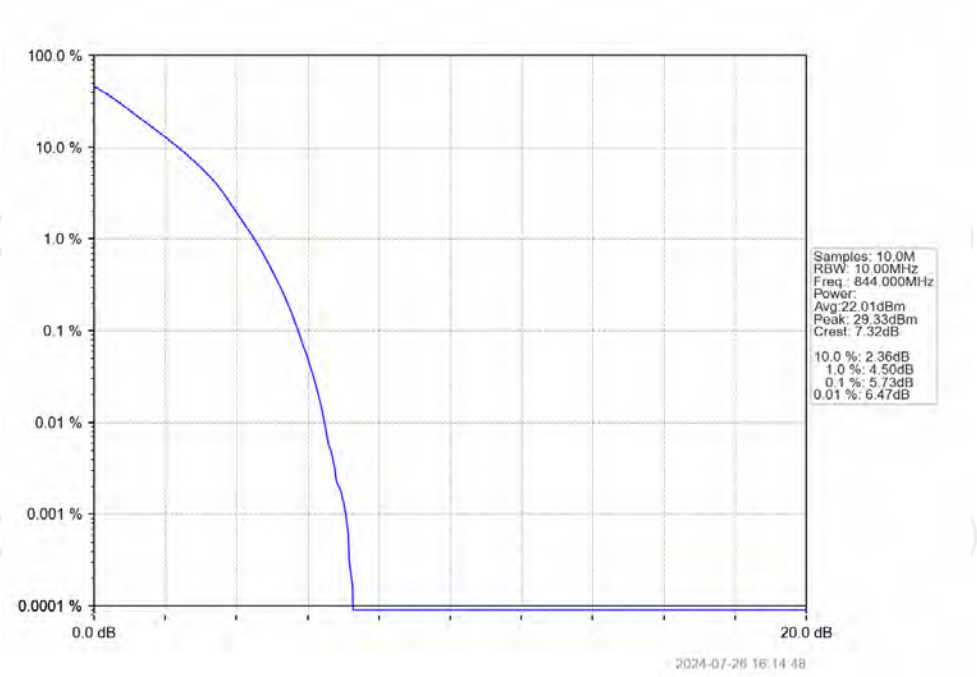
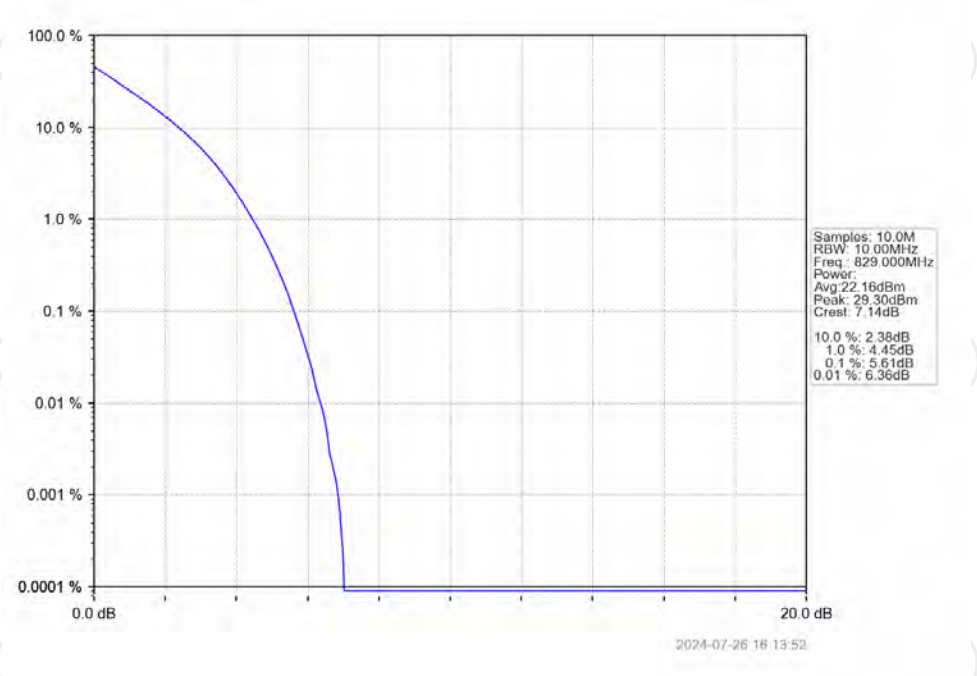
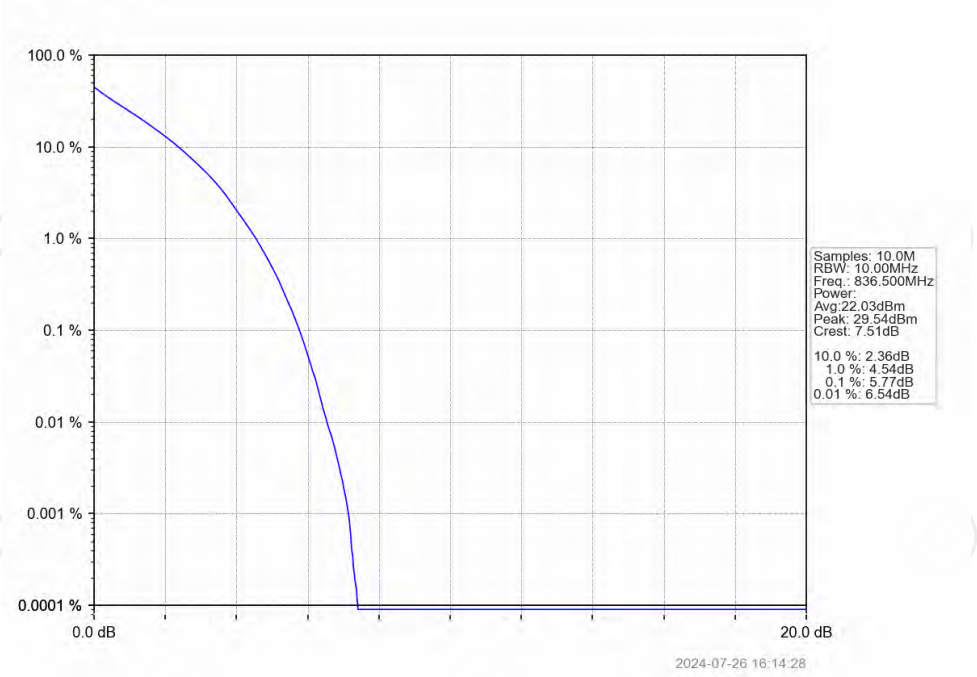
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



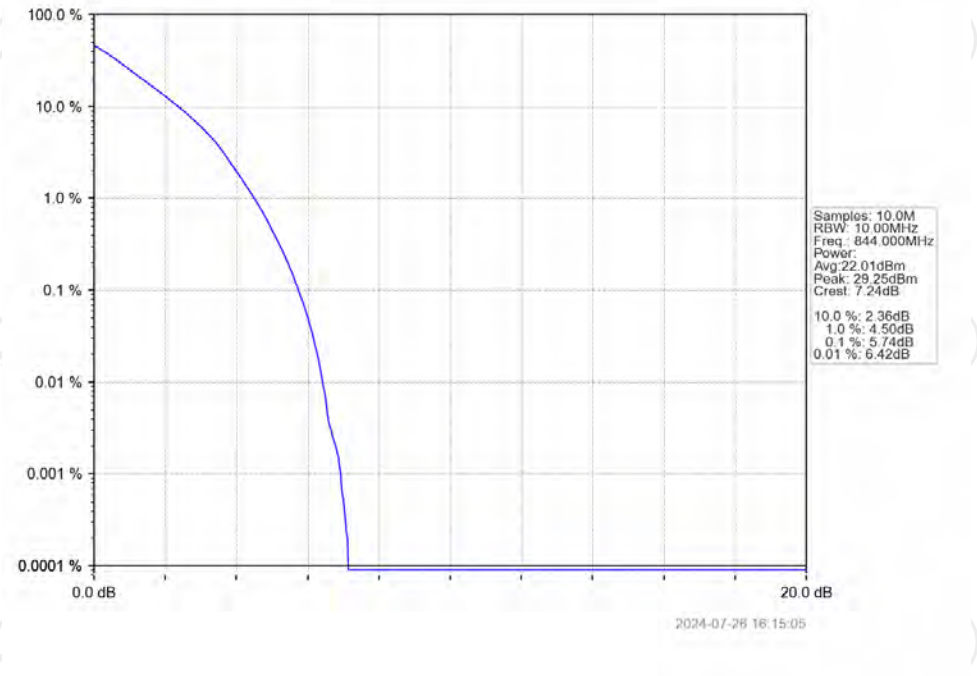
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		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
	848.3	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
	848.3	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
	847.5	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
	847.5	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
	846.5	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 / NTNV						
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

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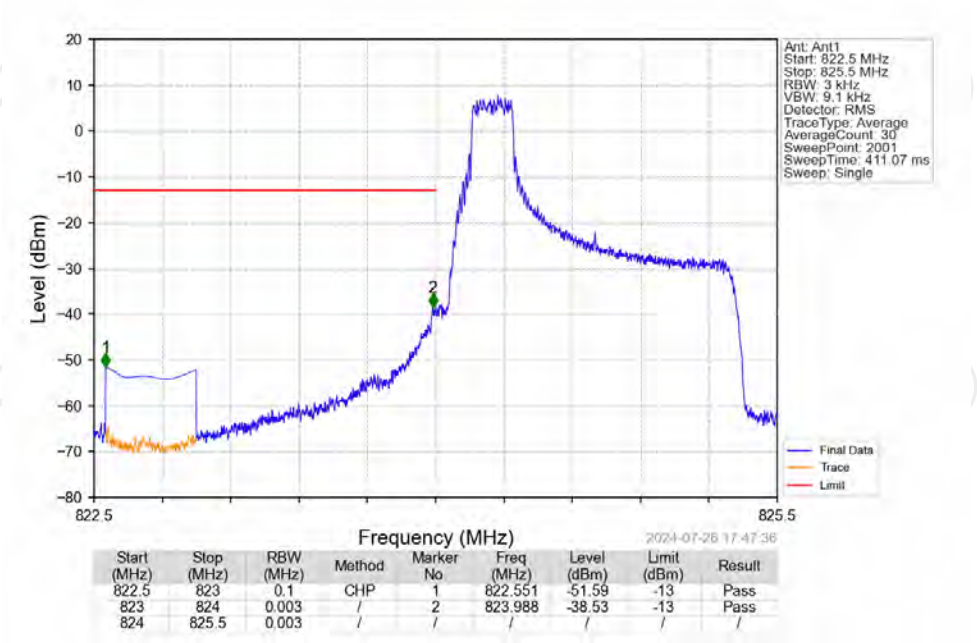
6.2 Test Graph

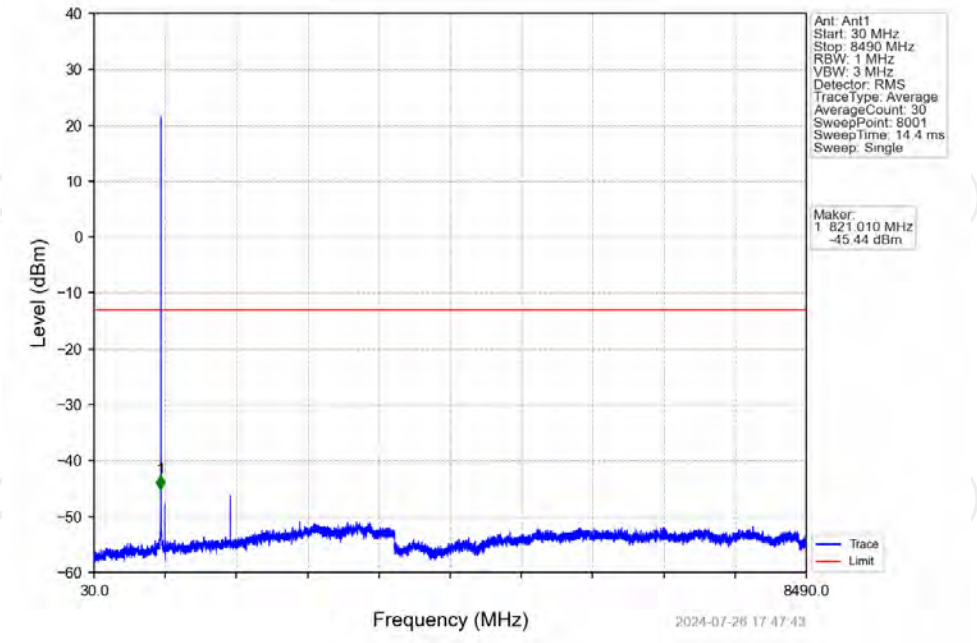
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

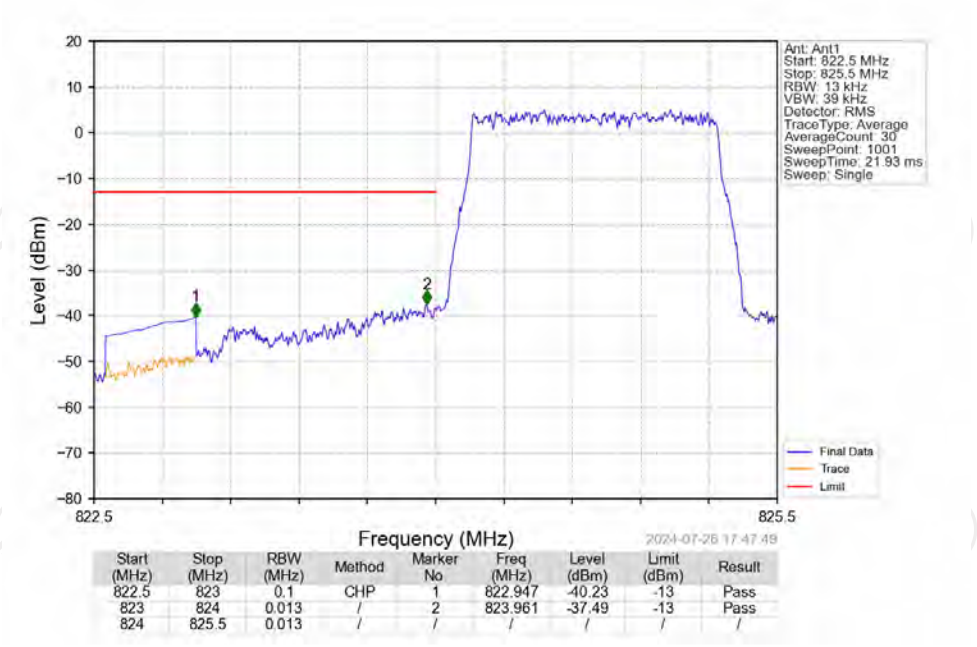


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-51.59	-13	Pass
823	824	0.003	/	2	823.988	-38.53	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

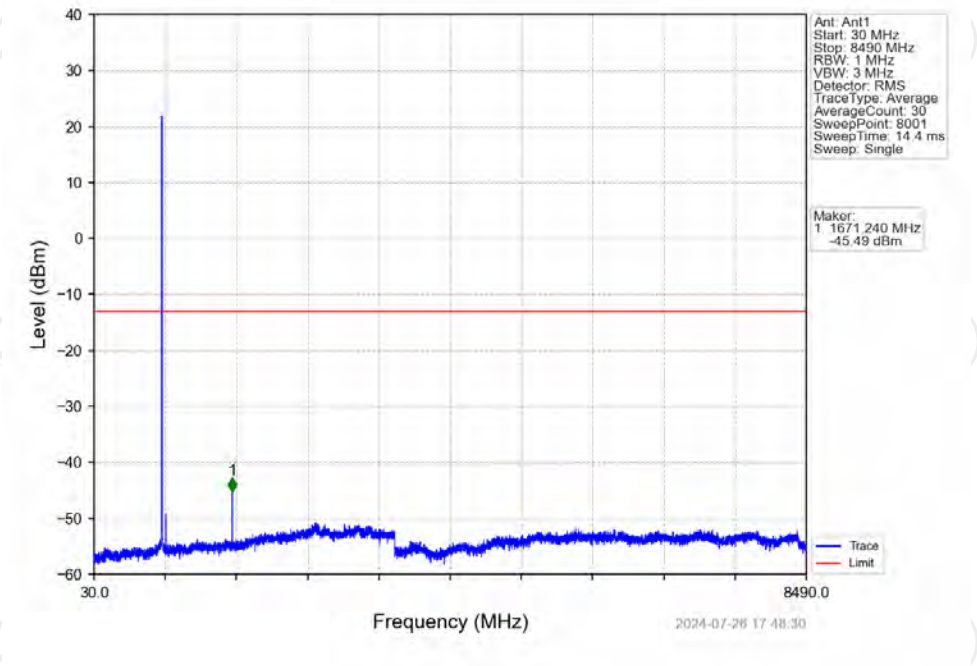


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

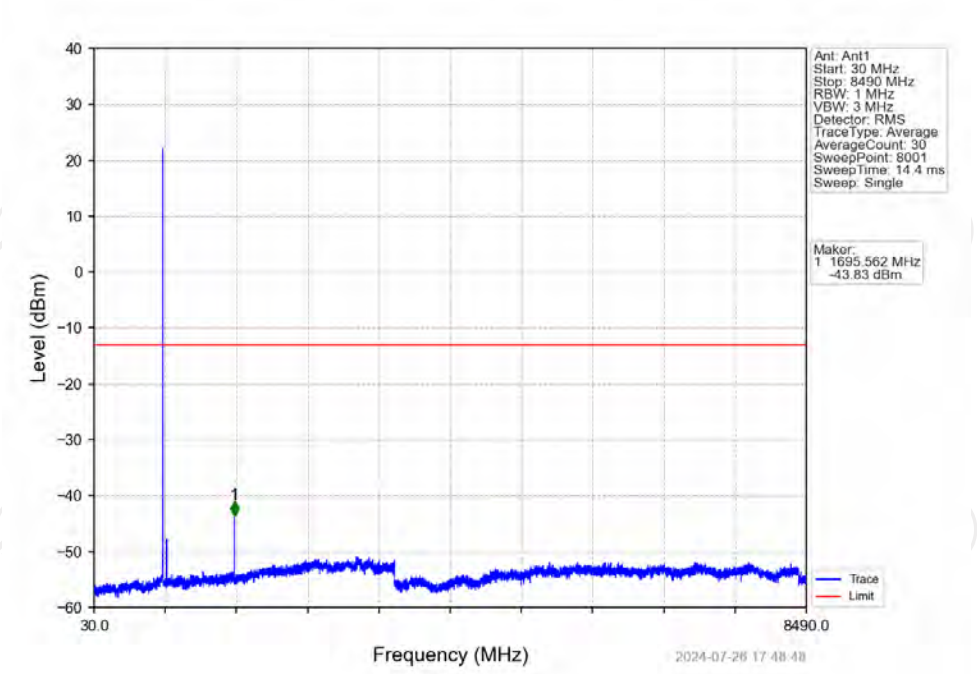


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-40.23	-13	Pass
823	824	0.013	/	2	823.961	-37.49	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

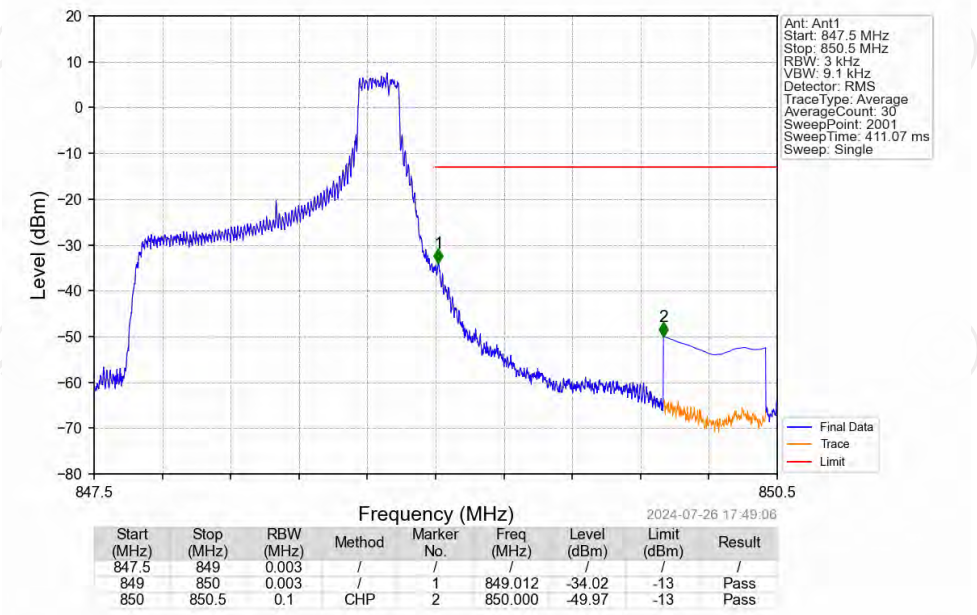
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

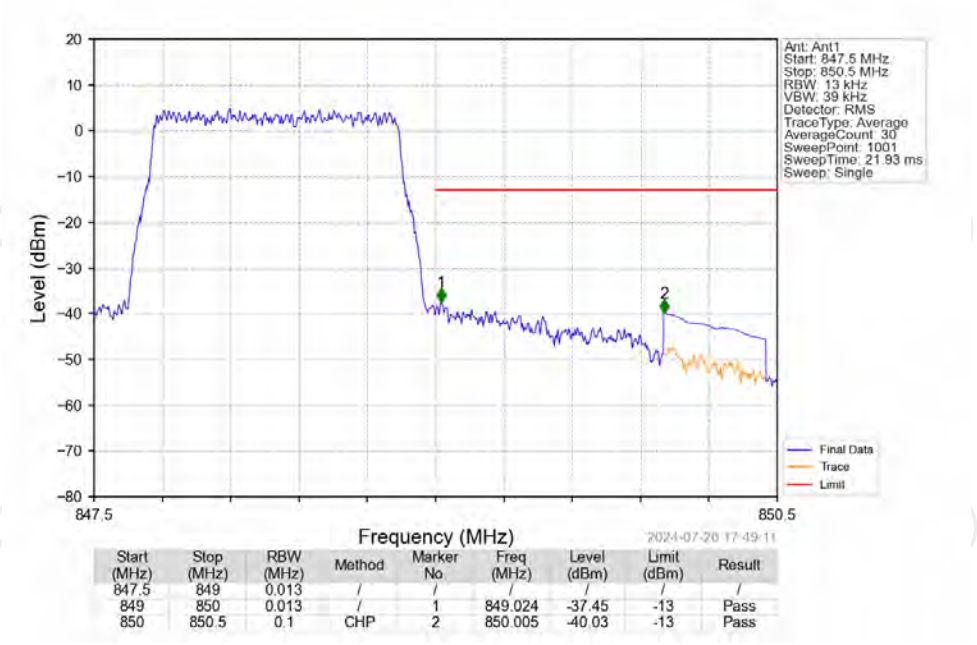


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



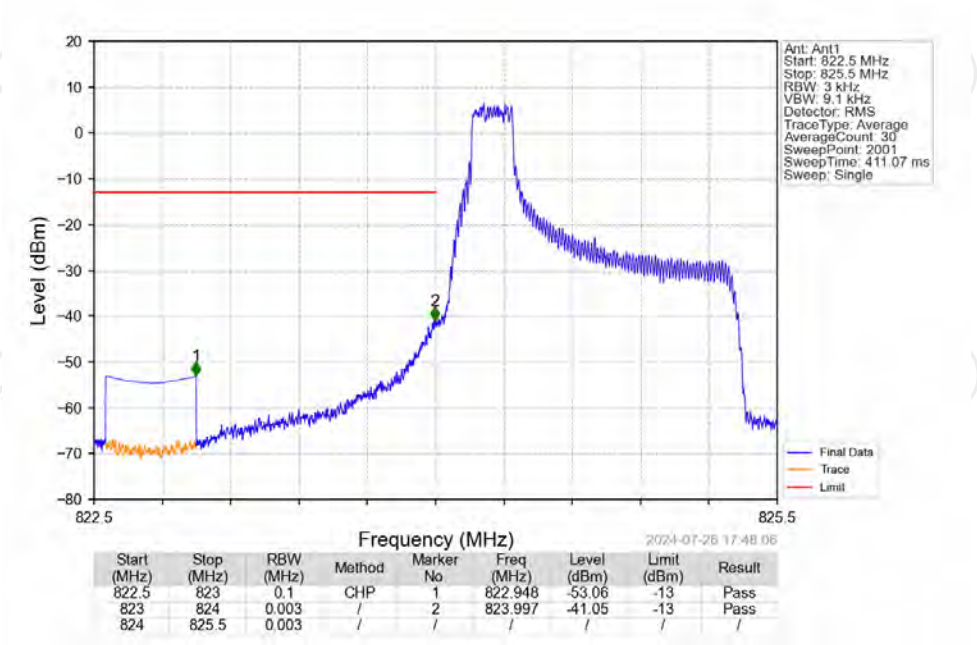
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-34.02	-13	Pass
850	850.5	0.1	CHP	2	850.000	-49.97	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



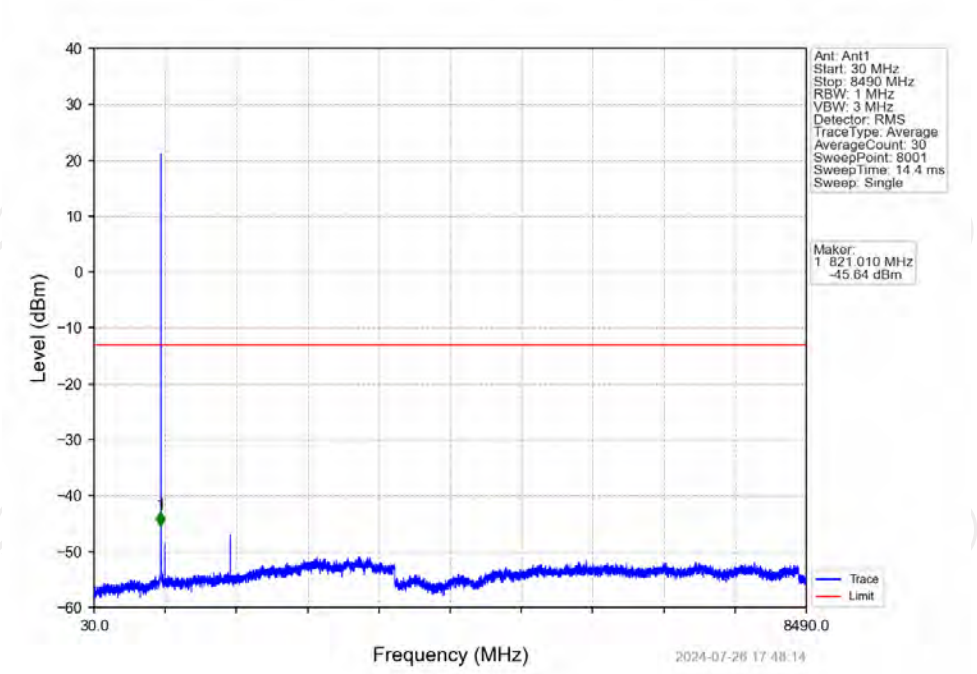
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.024	-37.45	-13	Pass
850	850.5	0.1	CHP	2	850.005	-40.03	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

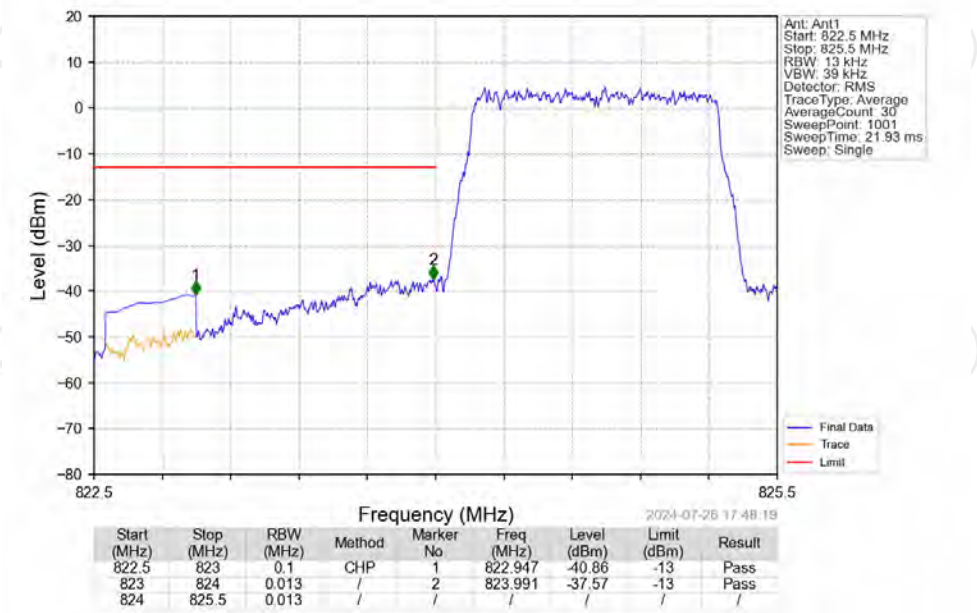


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.948	-53.06	-13	Pass
823	824	0.003	/	2	823.997	-41.05	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

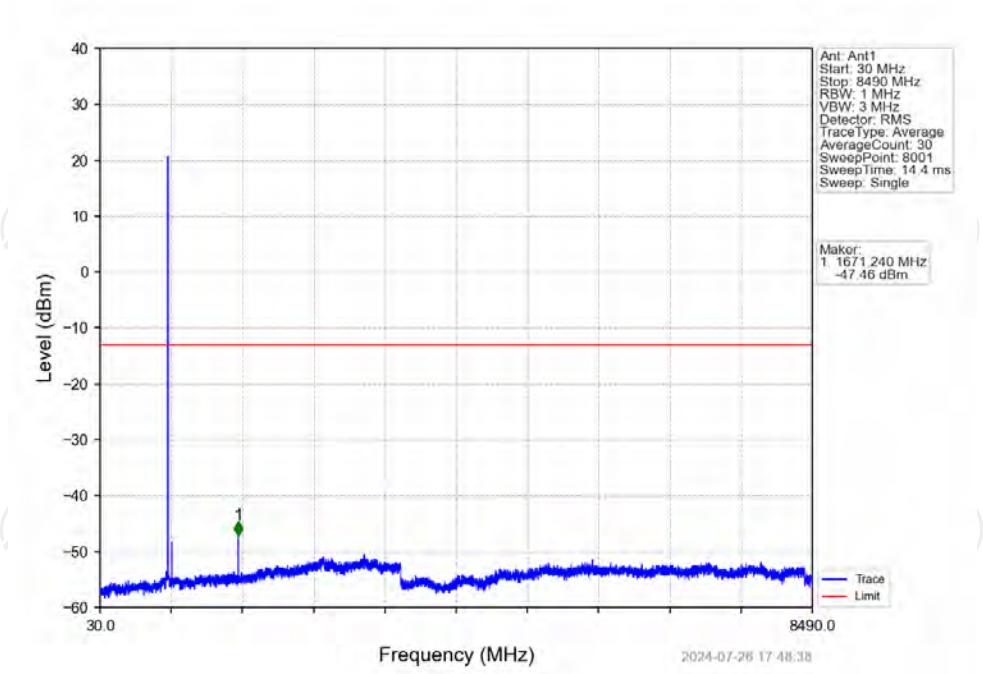


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

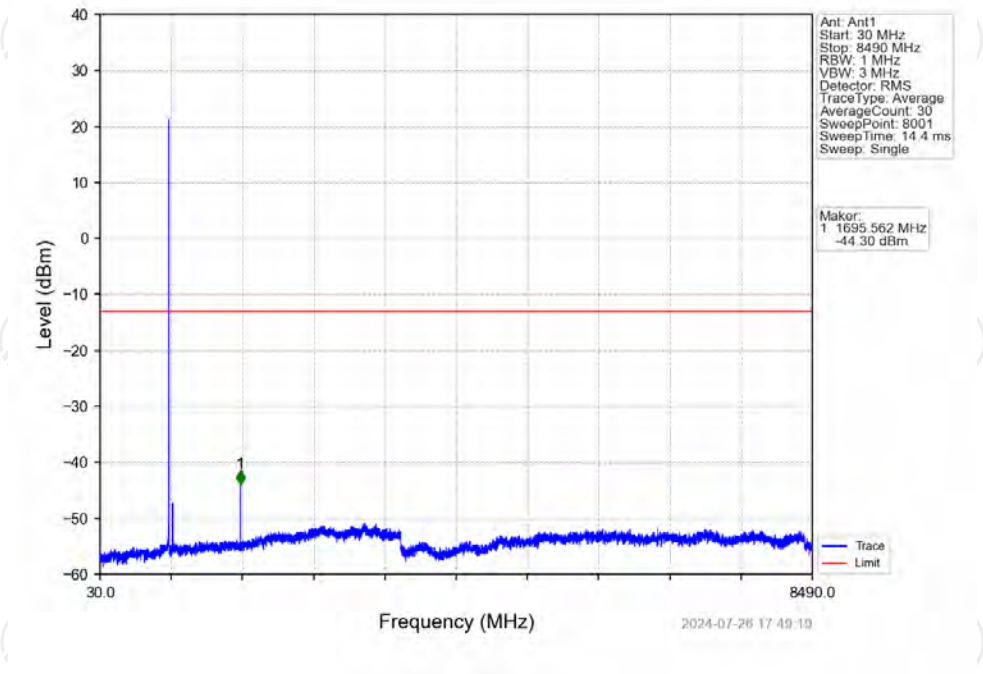


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-40.86	-13	Pass
823	824	0.013	/	2	823.991	-37.57	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

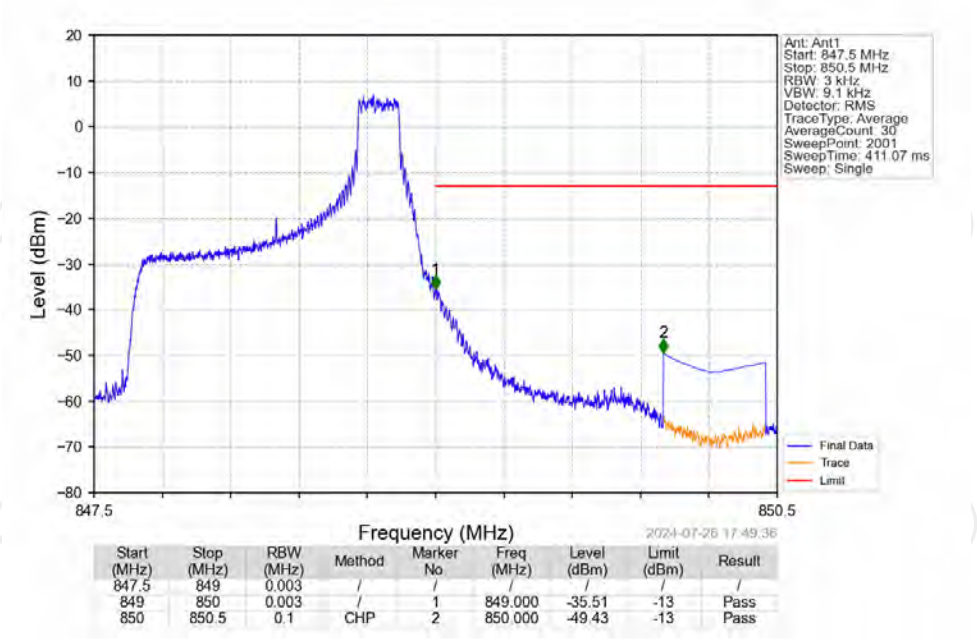
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

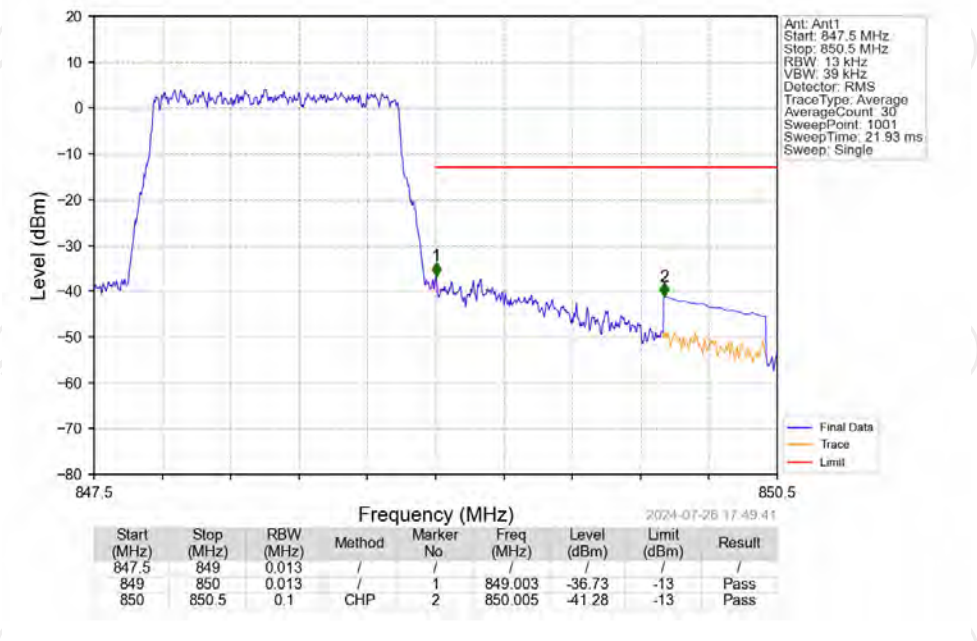


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



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	849.000	-35.51	-13	Pass
850	850.5	0.1	CHP	2	850.000	-49.43	-13	Pass

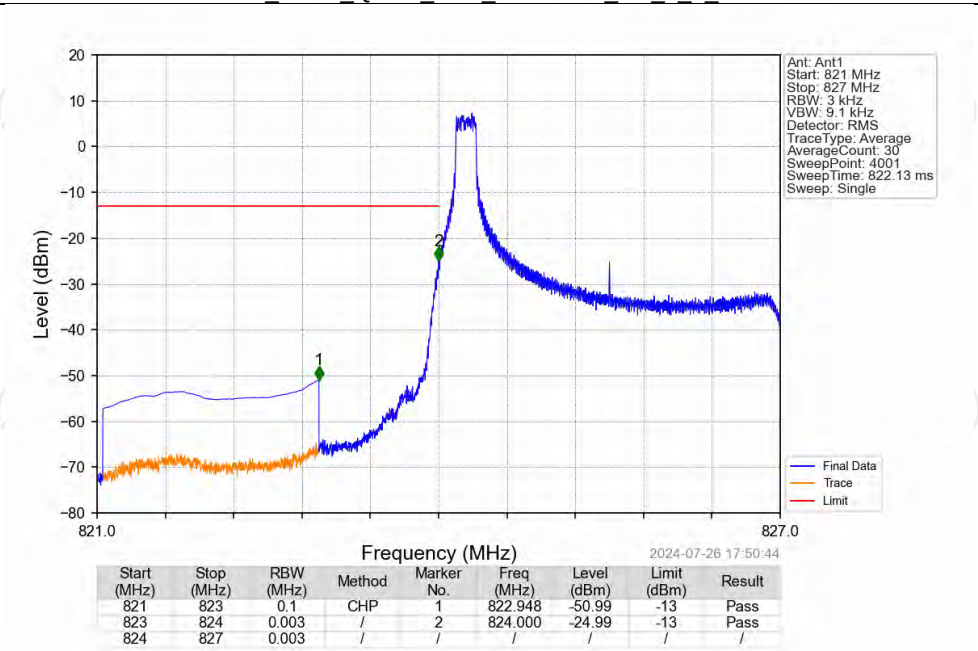
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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	849.003	-36.73	-13	Pass
850	850.5	0.1	CHP	2	850.005	-41.28	-13	Pass

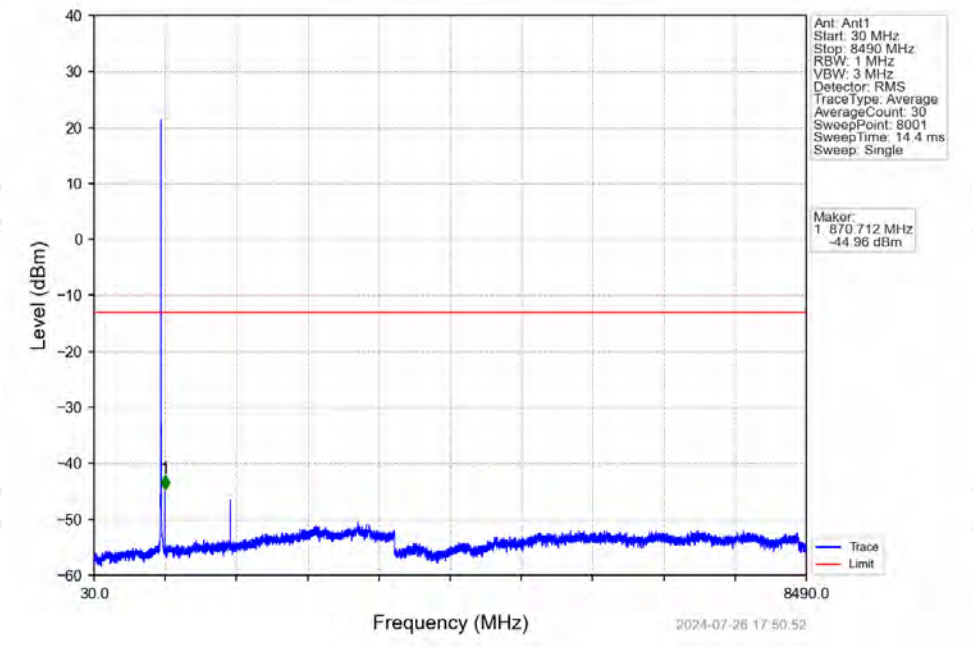
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

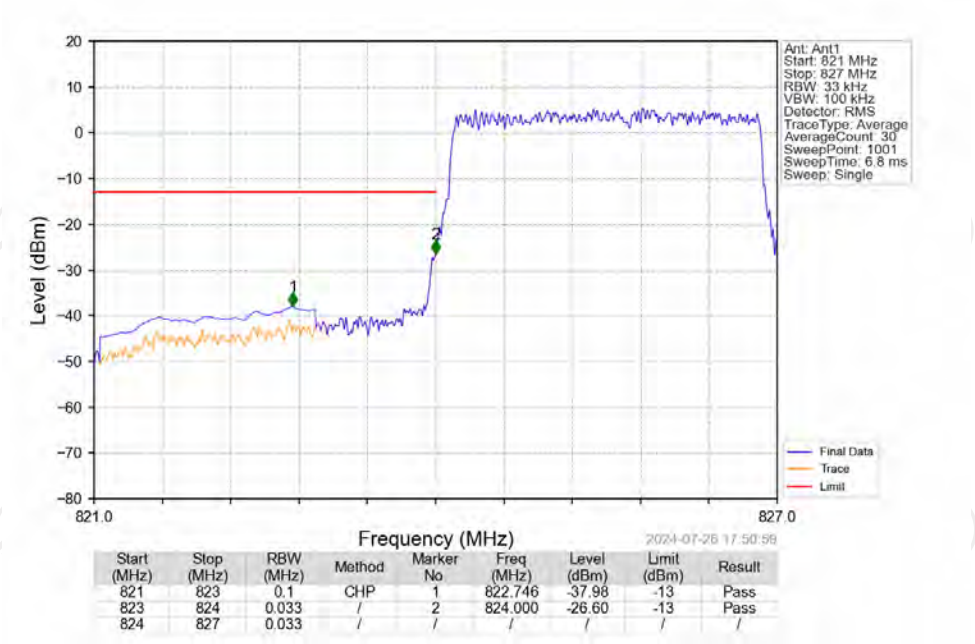


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-50.99	-13	Pass
823	824	0.003	/	2	824.000	-24.99	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

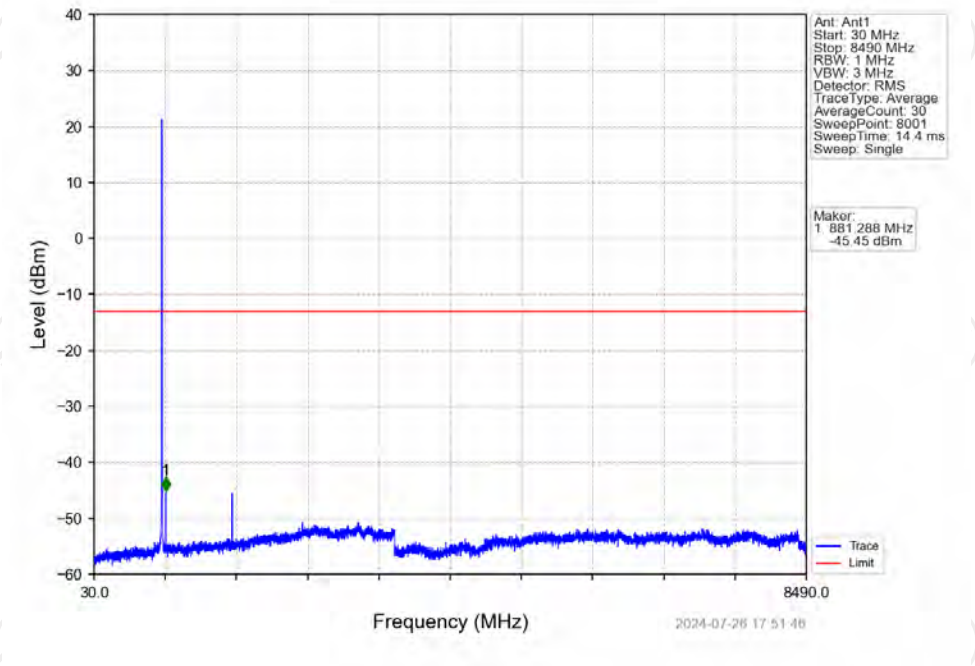


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

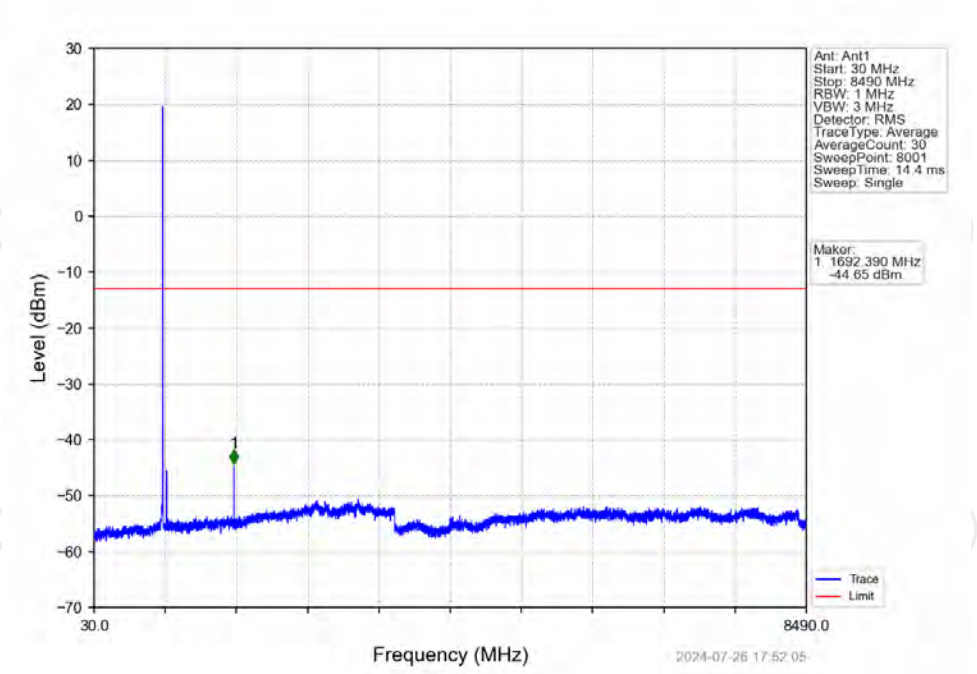


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.746	-37.98	-13	Pass
823	824	0.033	/	2	824.000	-26.60	-13	Pass
824	827	0.033	/	/	/	/	/	/

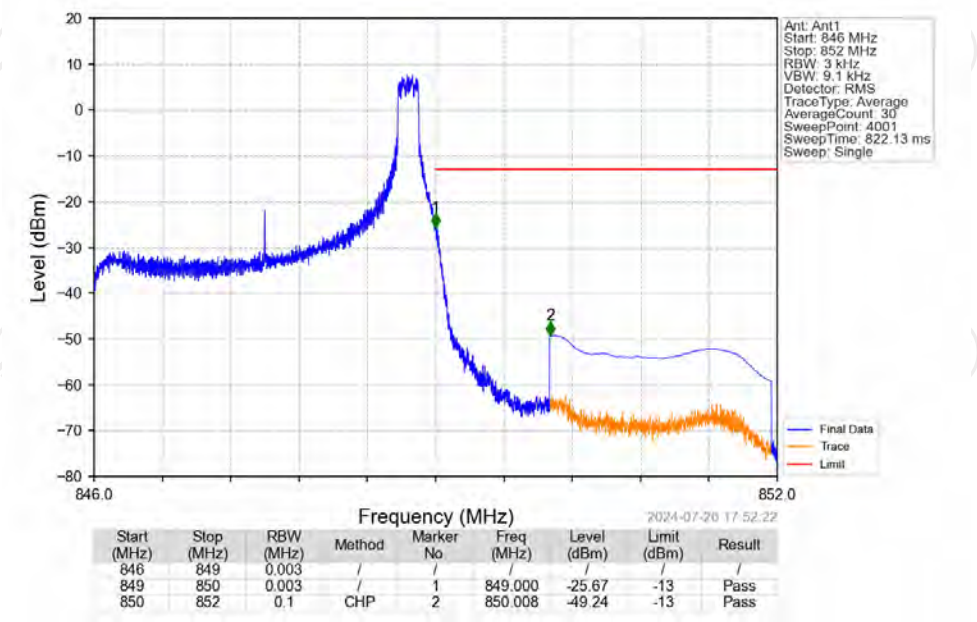
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

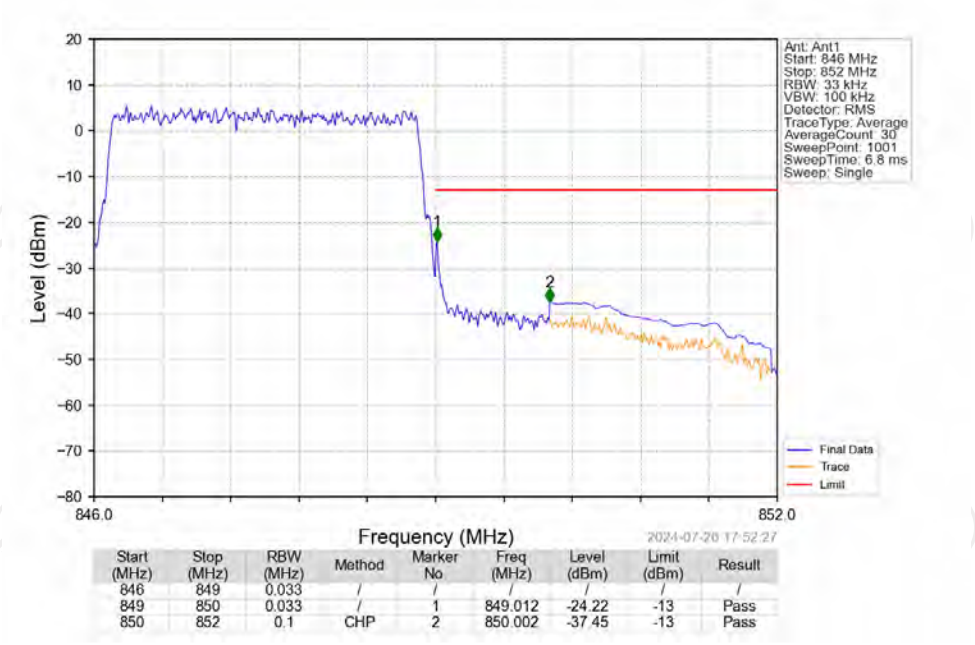


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



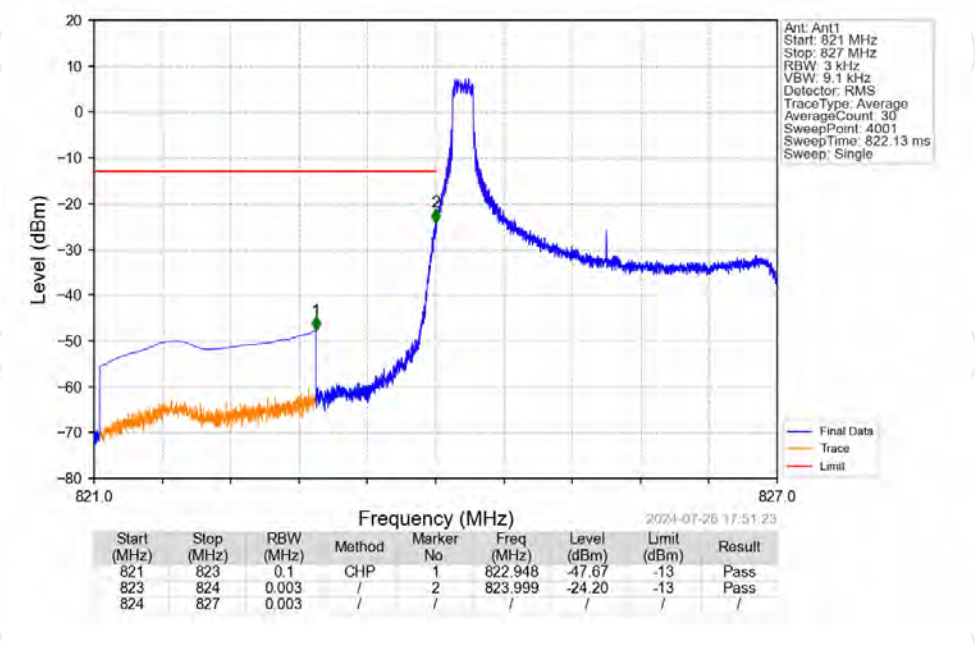
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-25.67	-13	Pass
850	852	0.1	CHP	2	850.008	-49.24	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



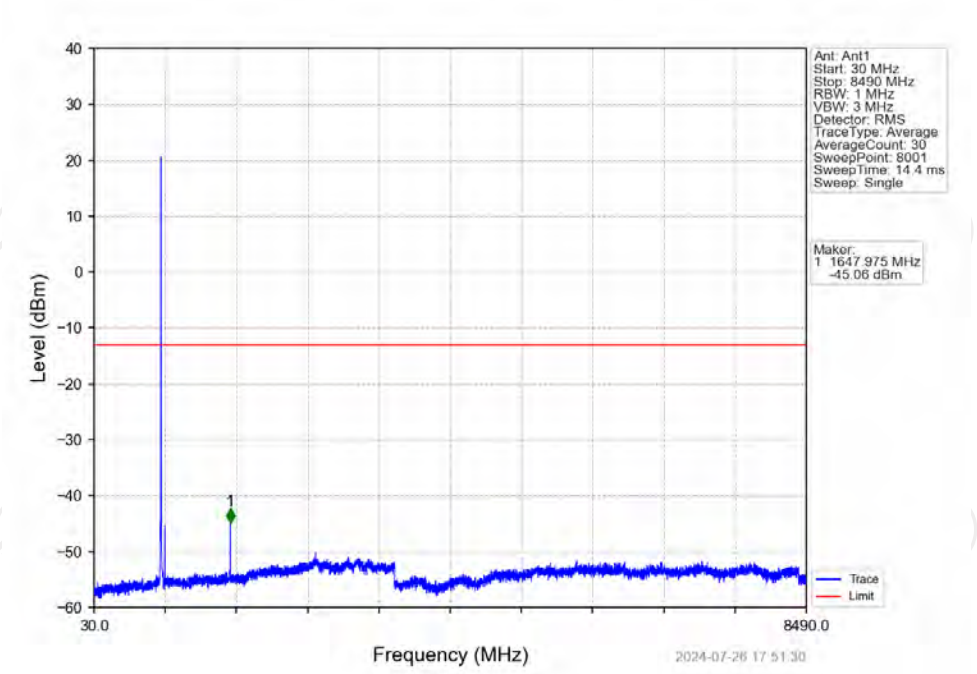
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.012	-24.22	-13	Pass
850	852	0.1	CHP	2	850.002	-37.45	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

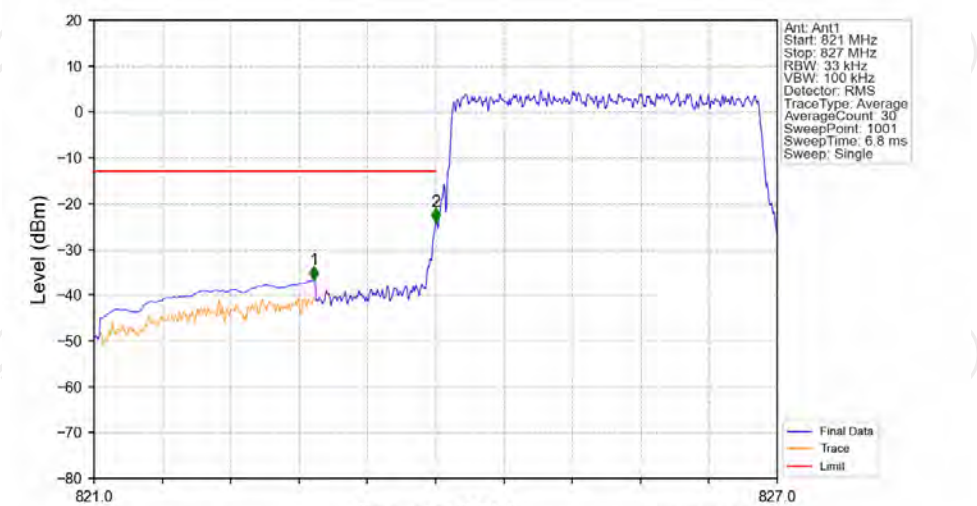


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-47.67	-13	Pass
823	824	0.003	/	2	823.999	-24.20	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

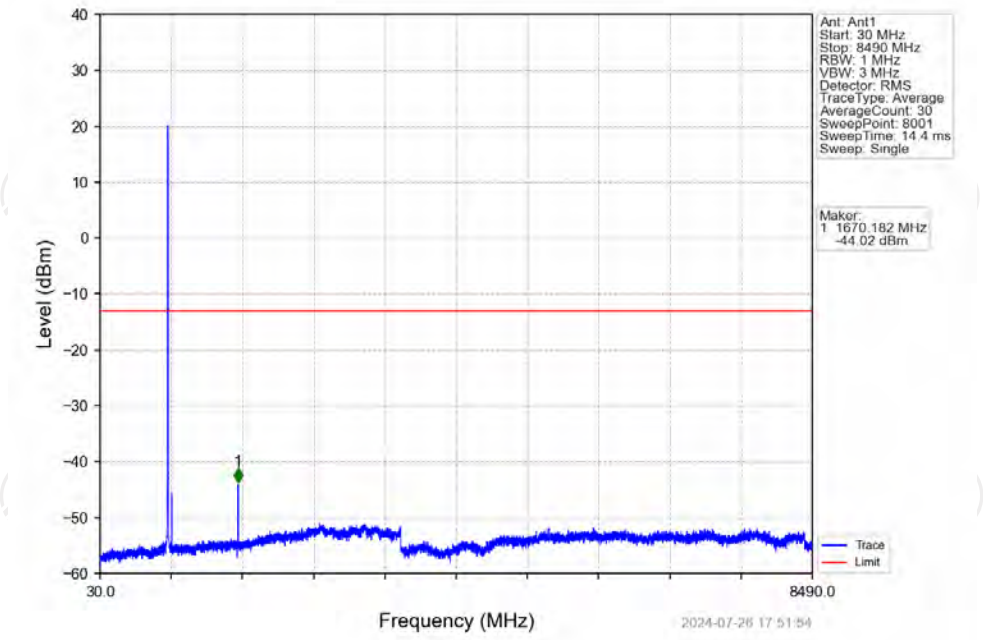


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

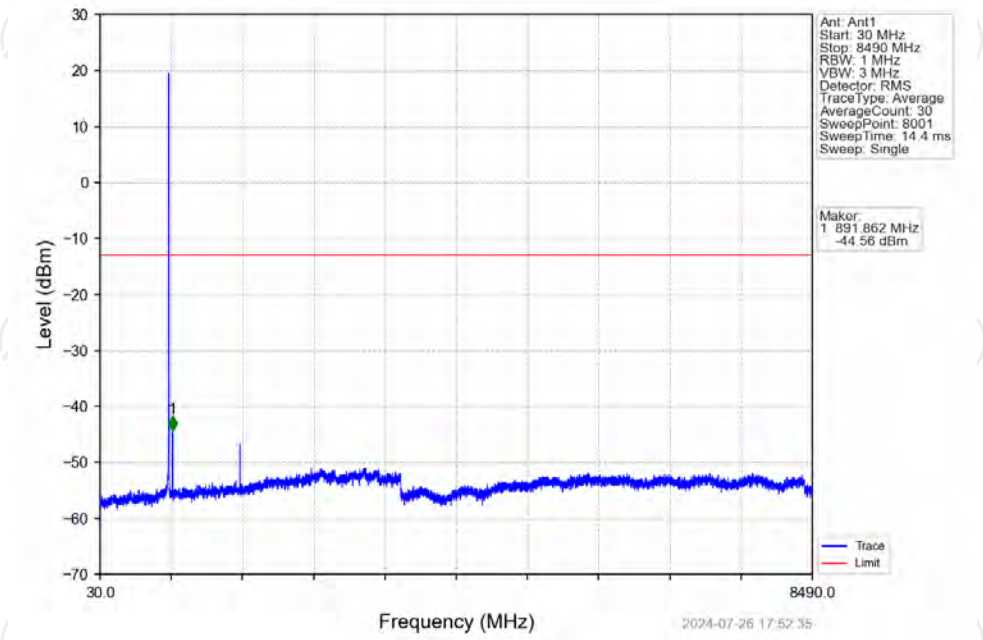


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.932	-36.73	-13	Pass
823	824	0.033	/	2	824.000	-24.01	-13	Pass
824	827	0.033	/	/	/	/	/	/

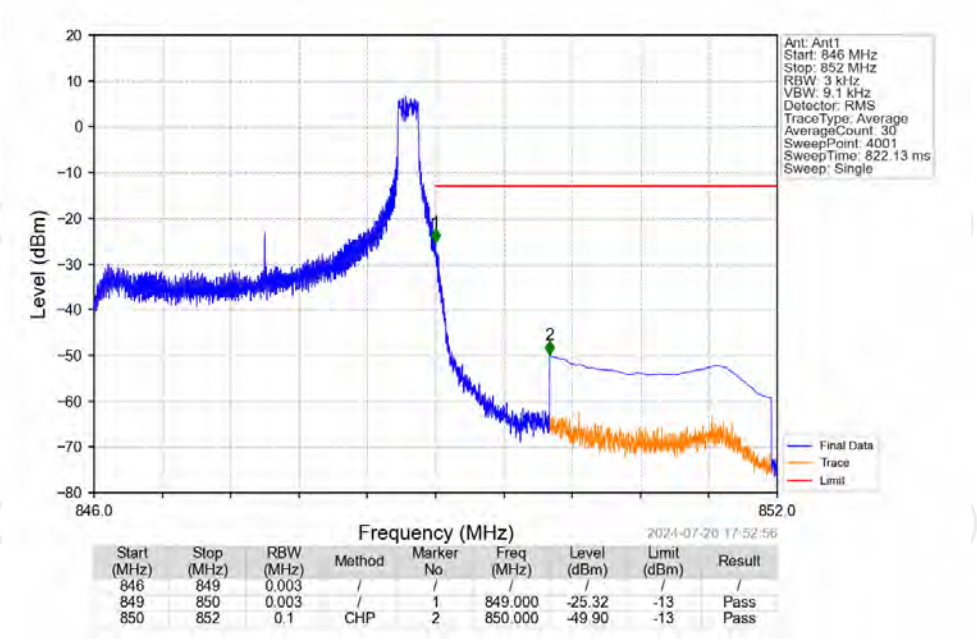
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV

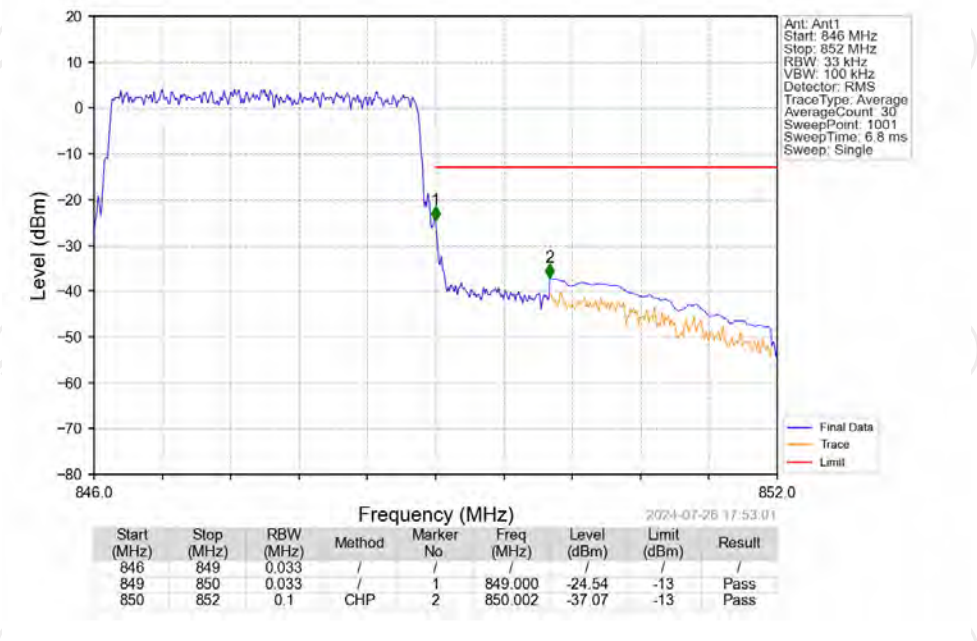


Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



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	849.000	-25.32	-13	Pass
850	852	0.1	CHP	2	850.000	-49.90	-13	Pass

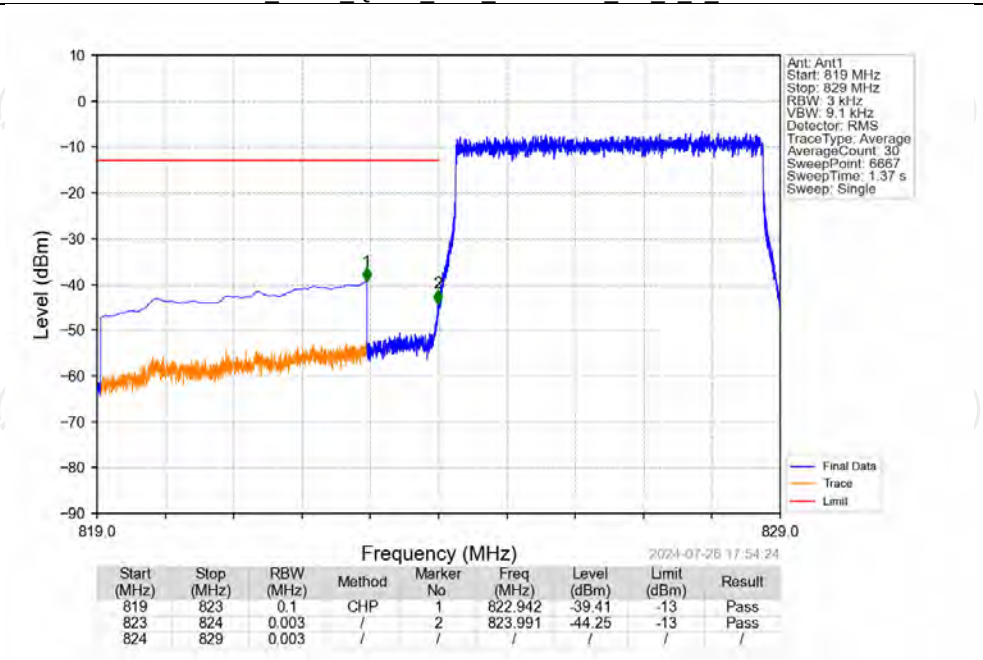
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



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	849.000	-24.54	-13	Pass
850	852	0.1	CHP	2	850.002	-37.07	-13	Pass

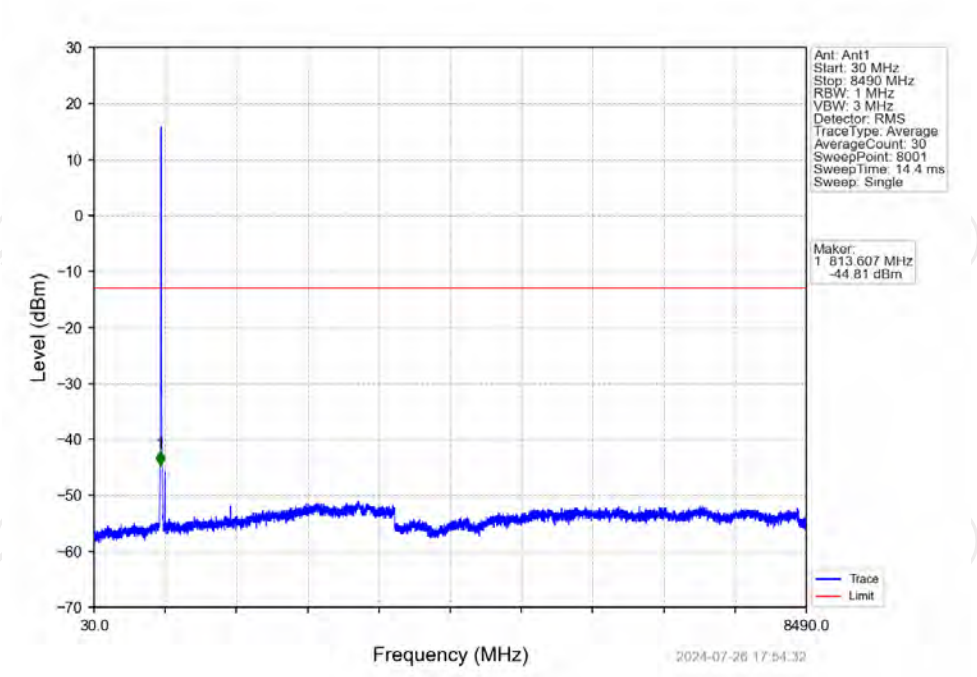
6.2.3 B5_5MHz

Band5_5MHz_QPSK_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	822.942	-39.41	-13	Pass
823	824	0.003	/	2	823.991	-44.25	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



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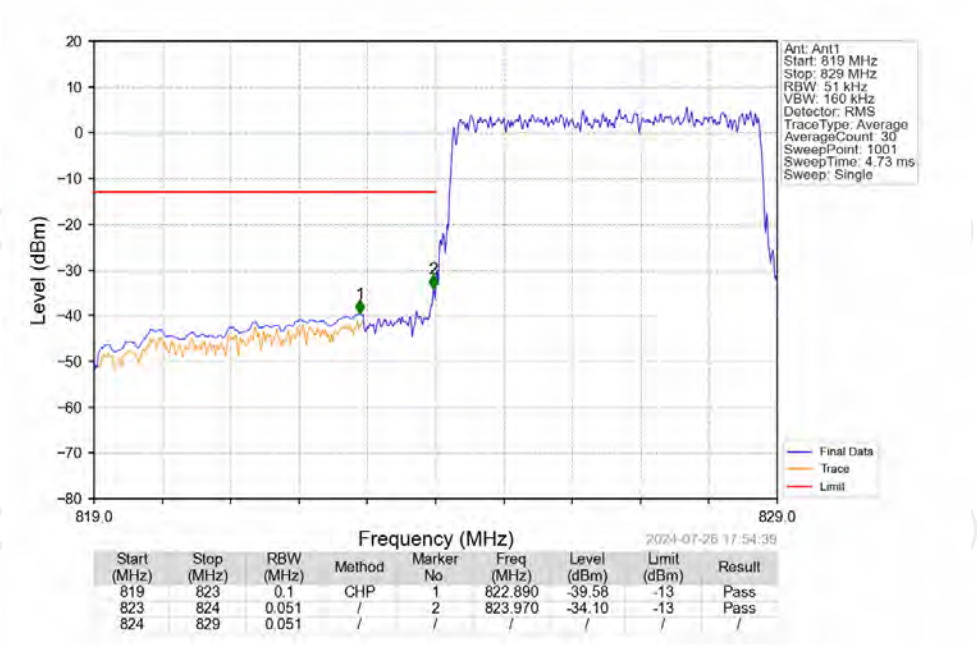
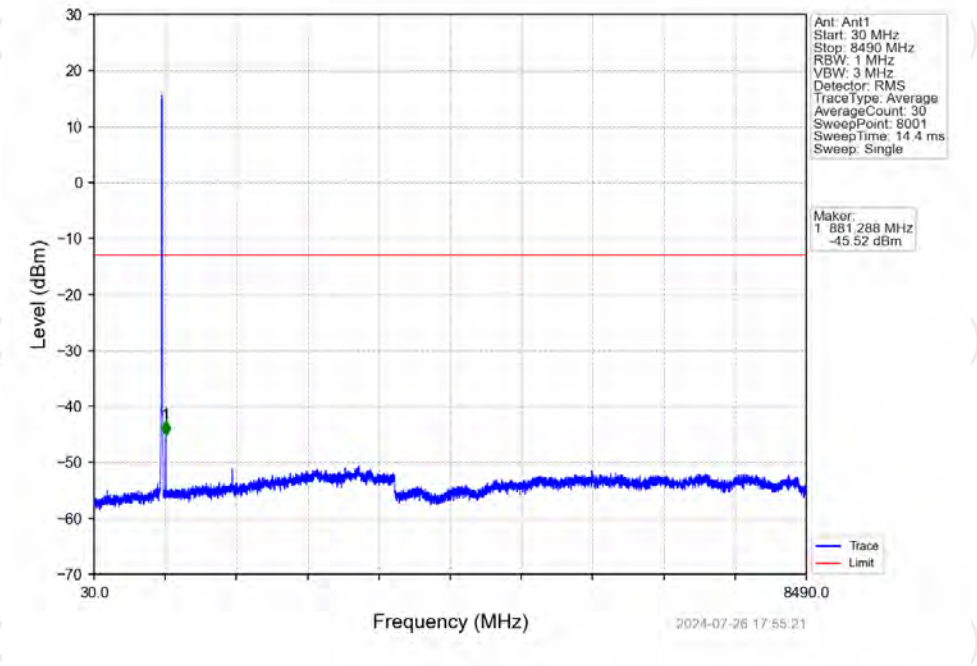
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

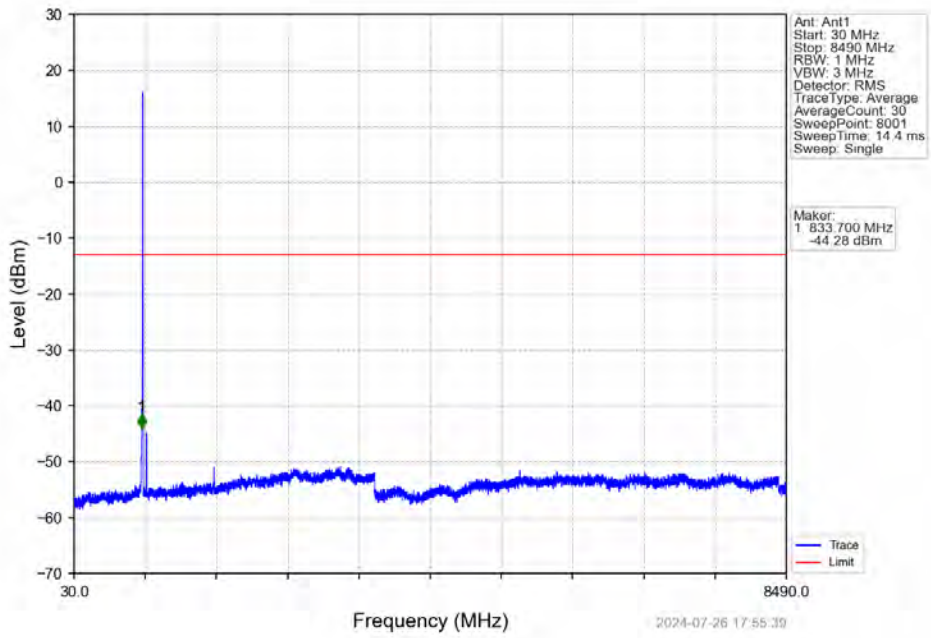


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.890	-39.58	-13	Pass
823	824	0.051	/	2	823.970	-34.10	-13	Pass
824	829	0.051	/	/	/	/	/	/

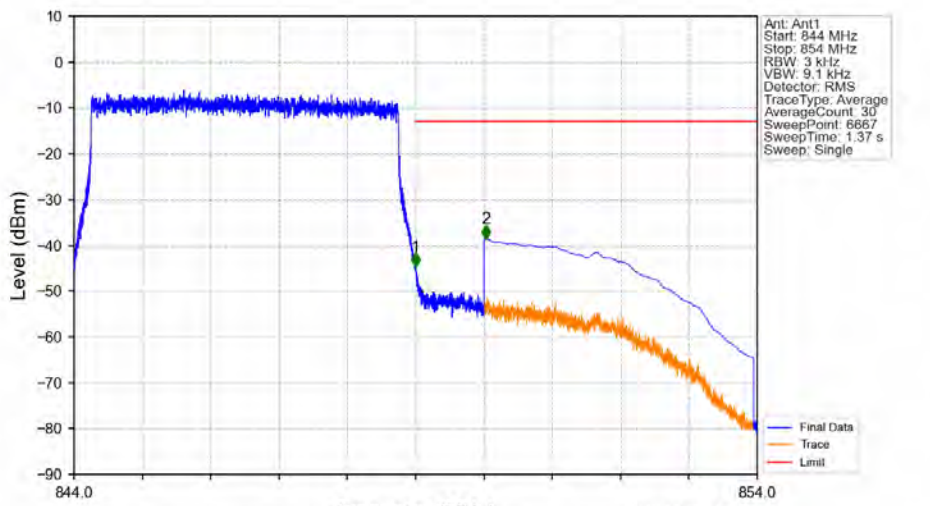
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

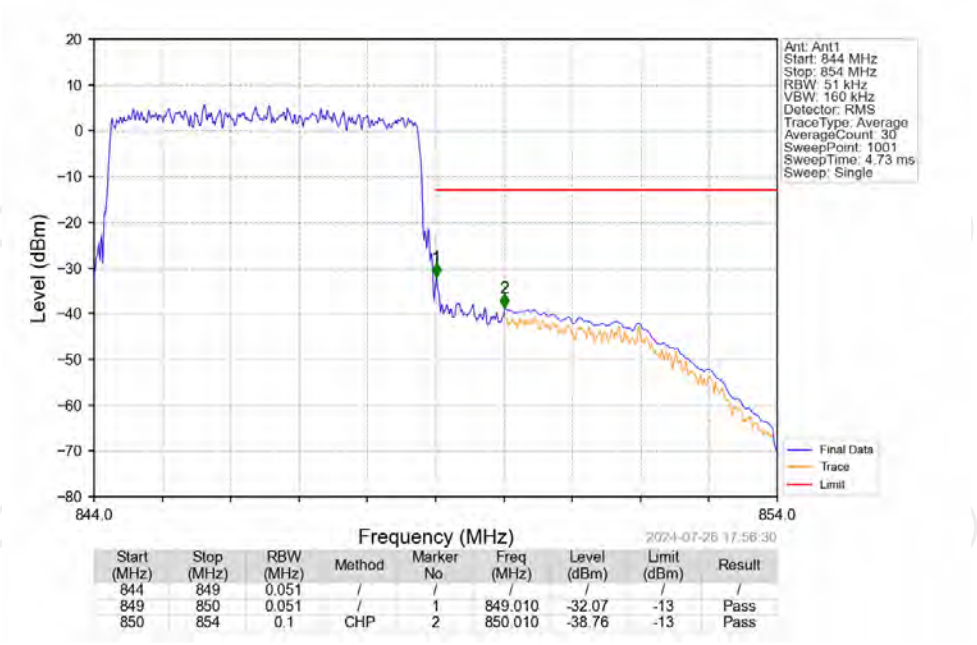


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



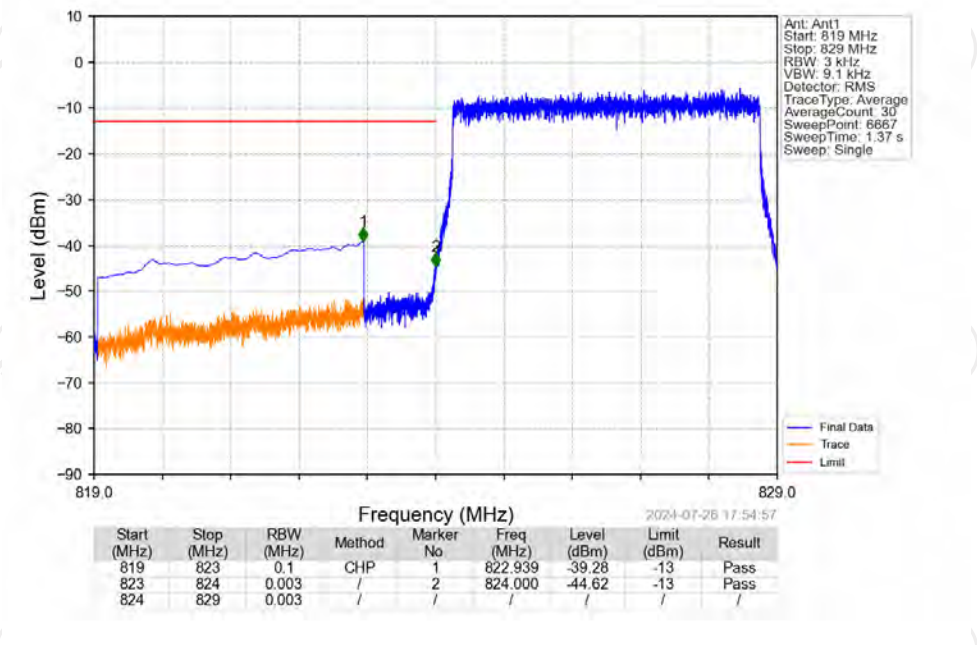
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-44.64	-13	Pass
850	854	0.1	CHP	2	850.032	-38.60	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



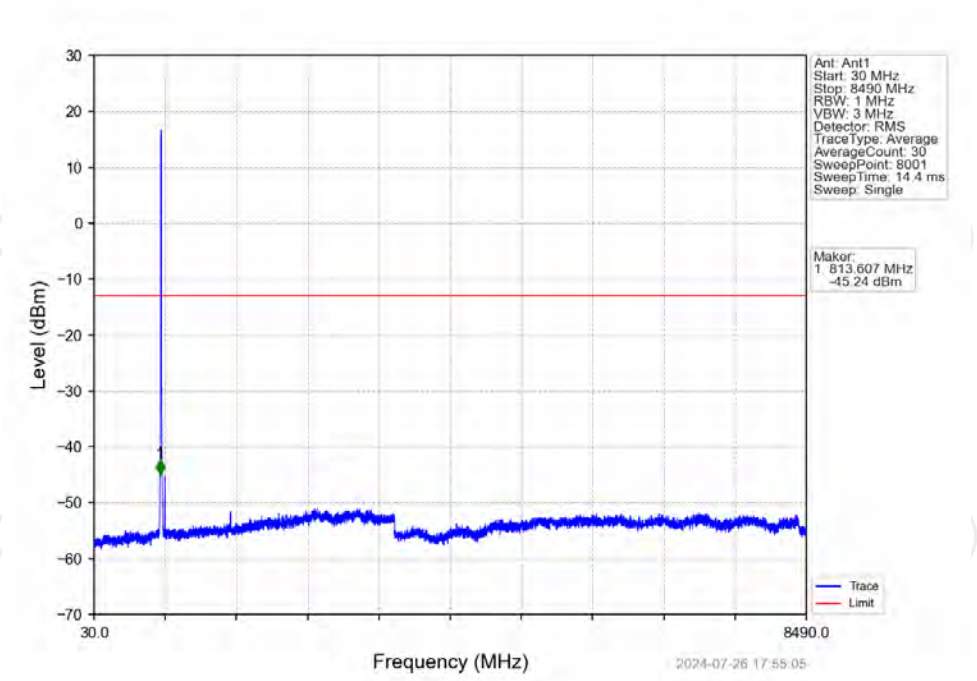
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-32.07	-13	Pass
850	854	0.1	CHP	2	850.010	-38.76	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

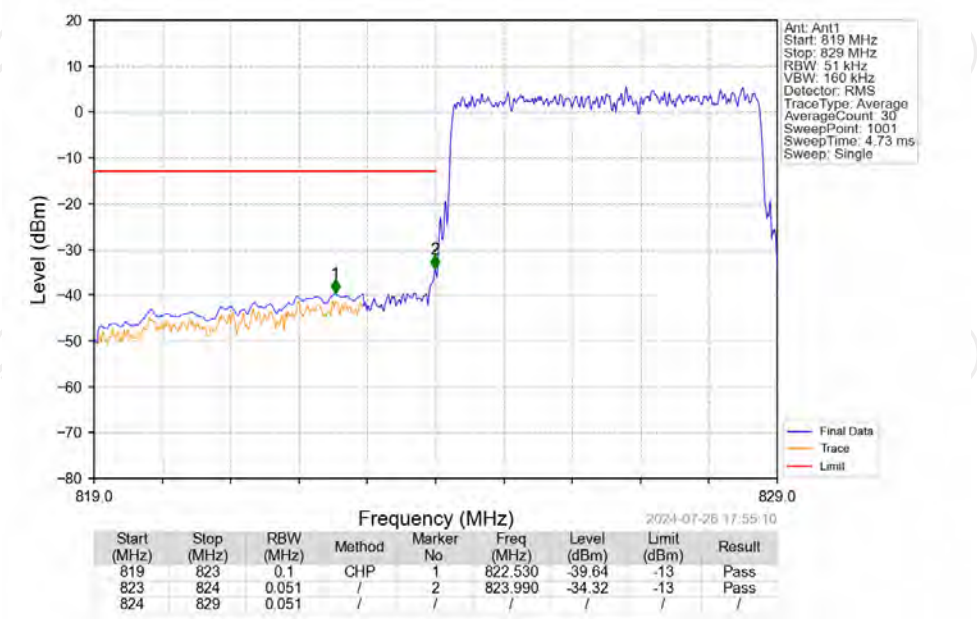


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.939	-39.28	-13	Pass
823	824	0.003	/	2	824.000	-44.62	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

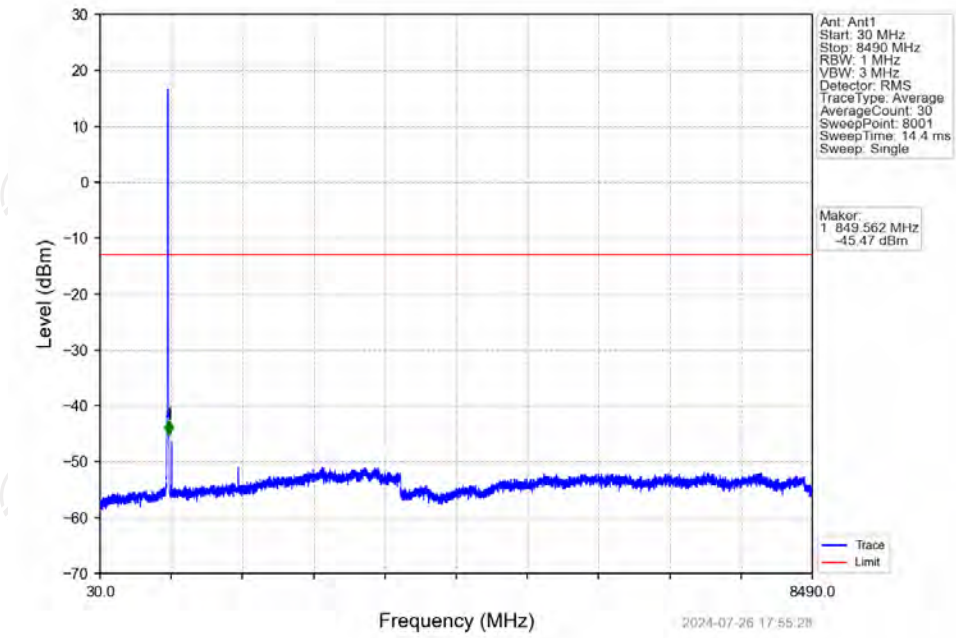


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

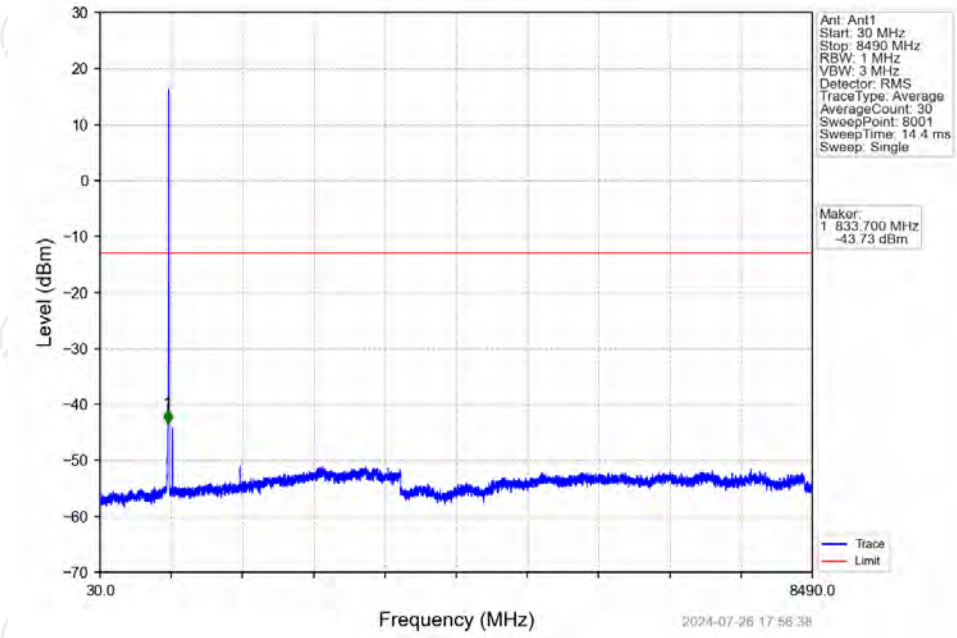


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.530	-39.64	-13	Pass
823	824	0.051	/	2	823.990	-34.32	-13	Pass
824	829	0.051	/	/	/	/	/	/

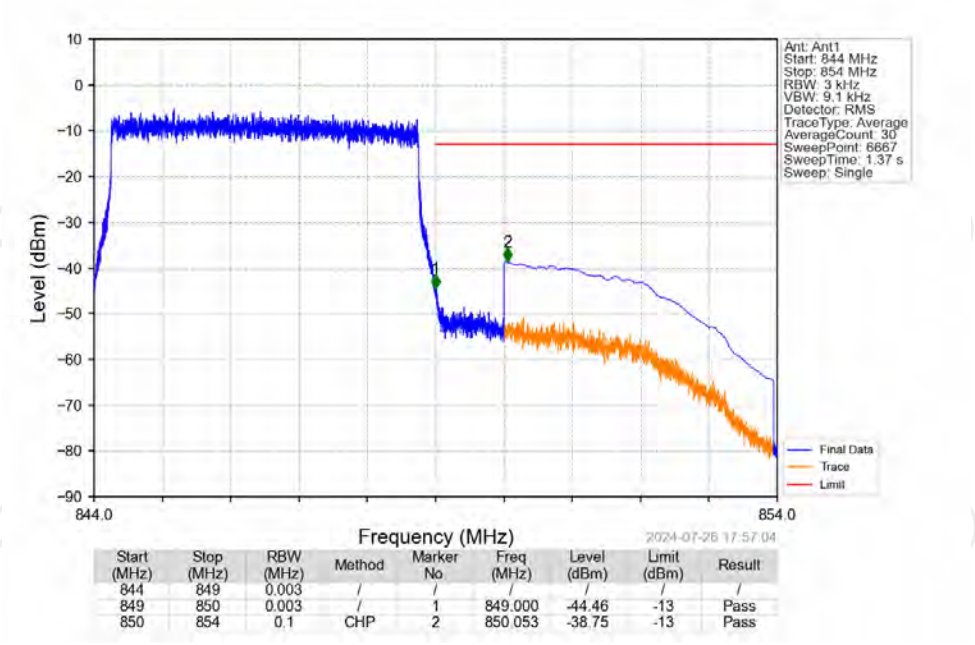
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV

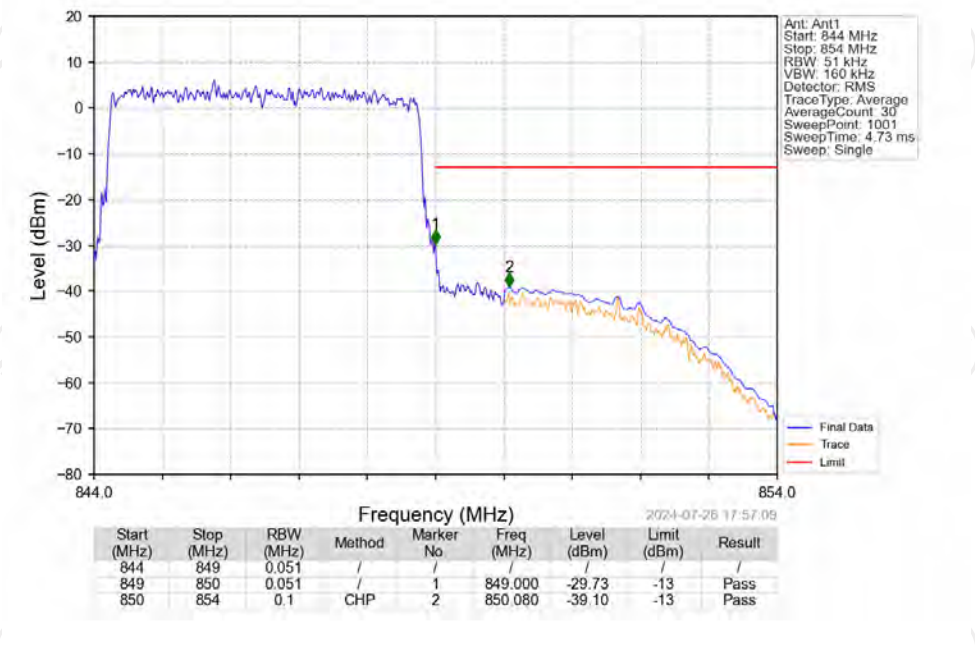


Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



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	849.000	-44.46	-13	Pass
850	854	0.1	CHP	2	850.053	-38.75	-13	Pass

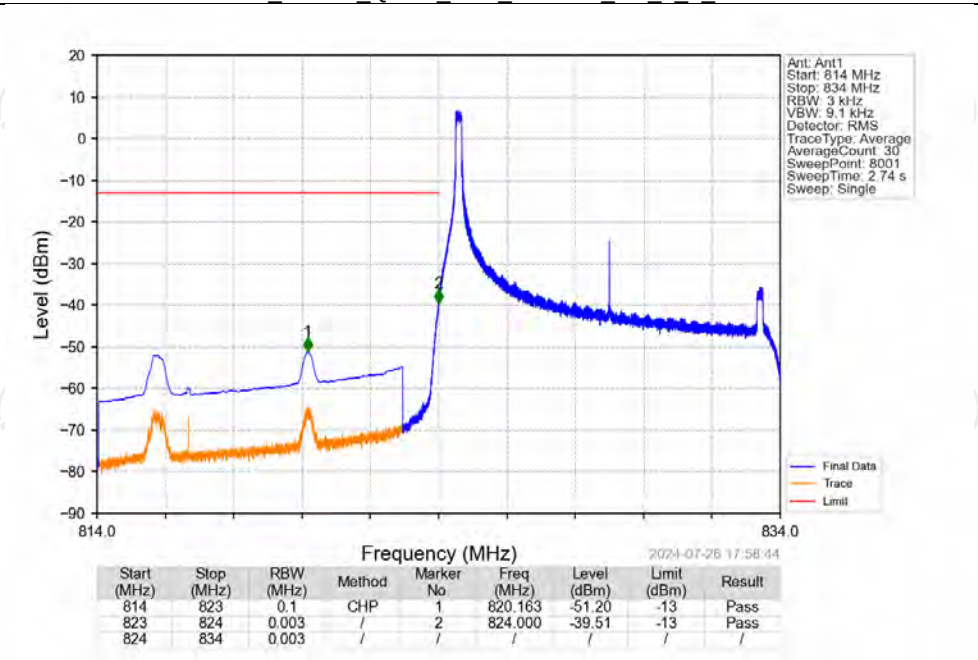
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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	849.000	-29.73	-13	Pass
850	854	0.1	CHP	2	850.080	-39.10	-13	Pass

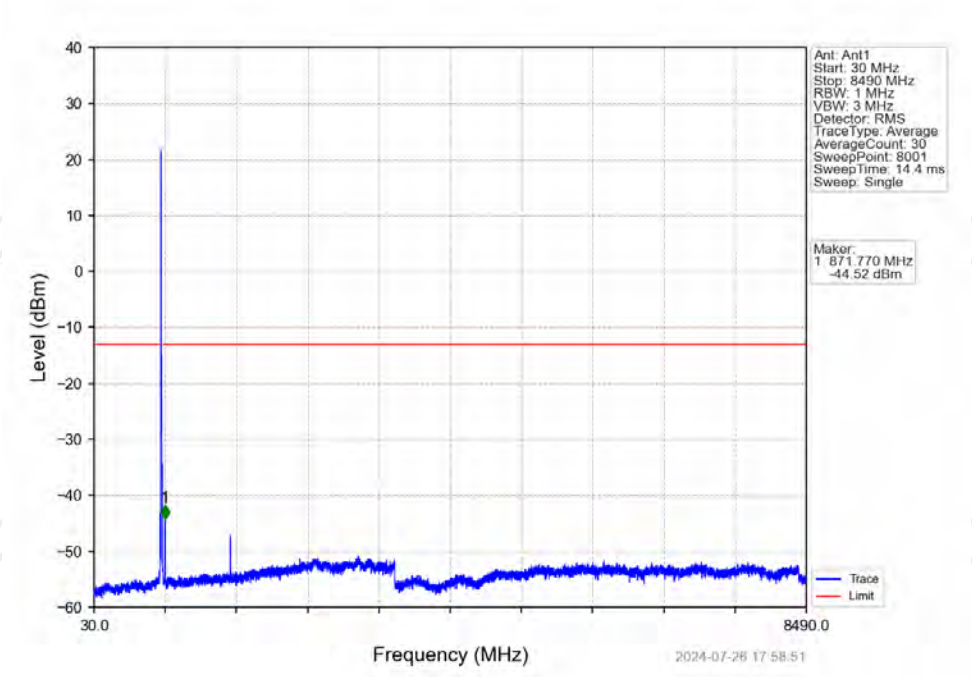
6.2.4 B5_10MHz

Band5_10MHz_QPSK_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	820.163	-51.20	-13	Pass
823	824	0.003	/	2	824.000	-39.51	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV



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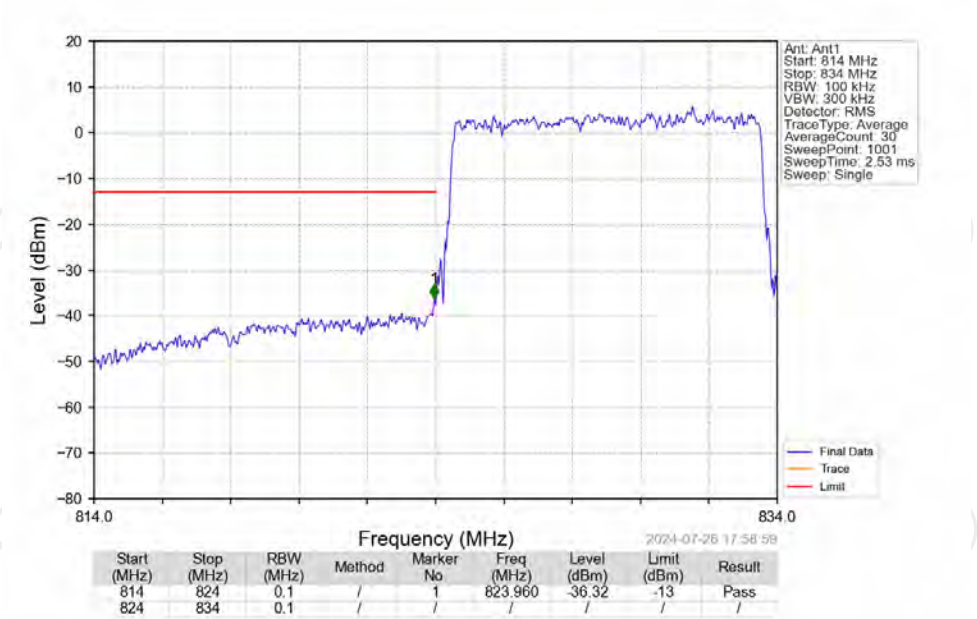
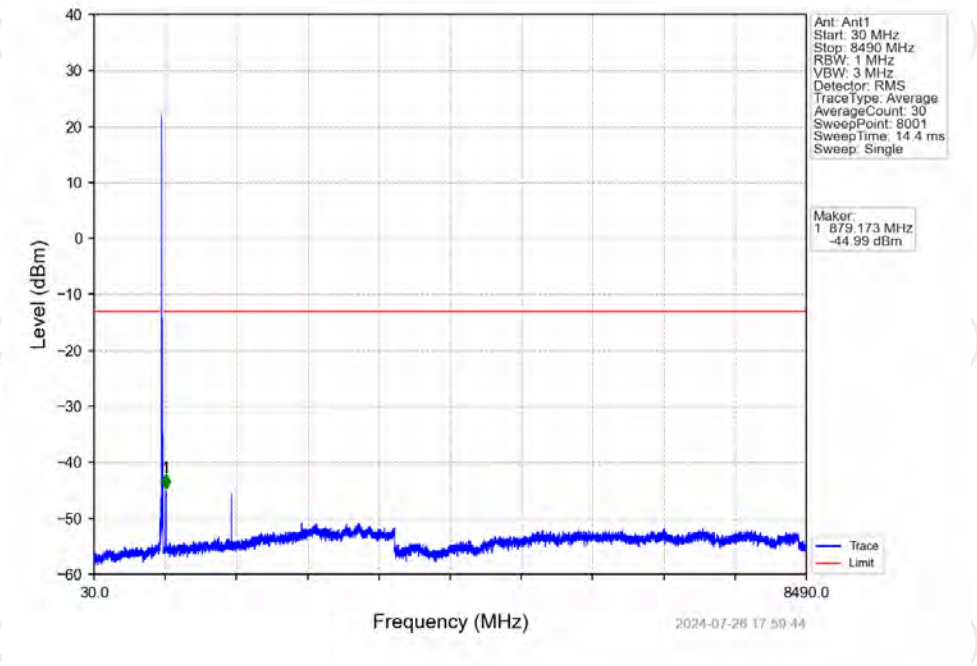
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

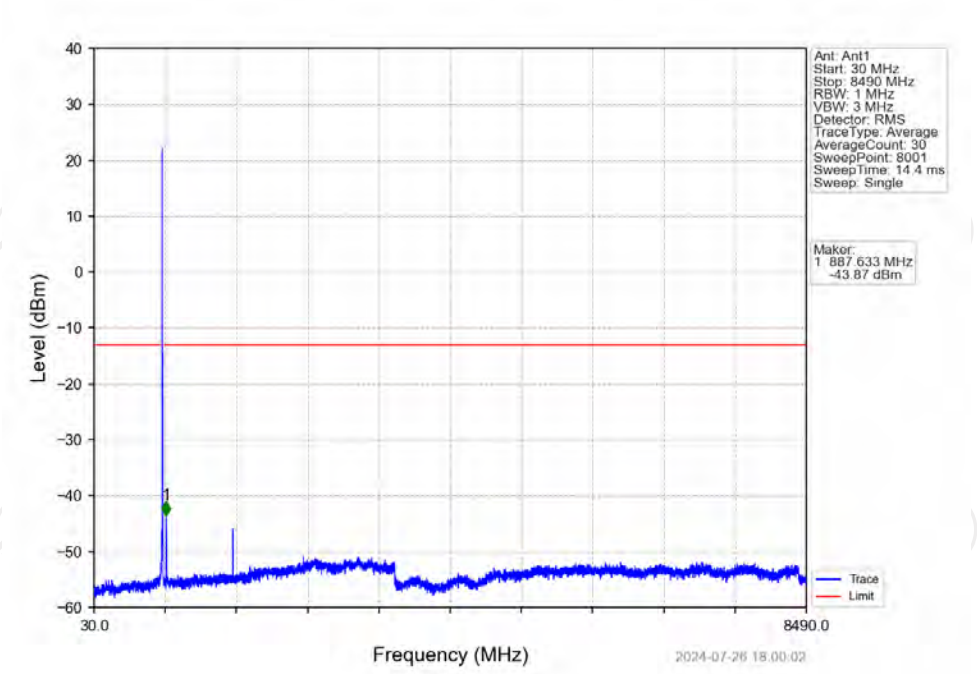


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.960	-36.32	-13	Pass
824	834	0.1	/	/	/	/	/	/

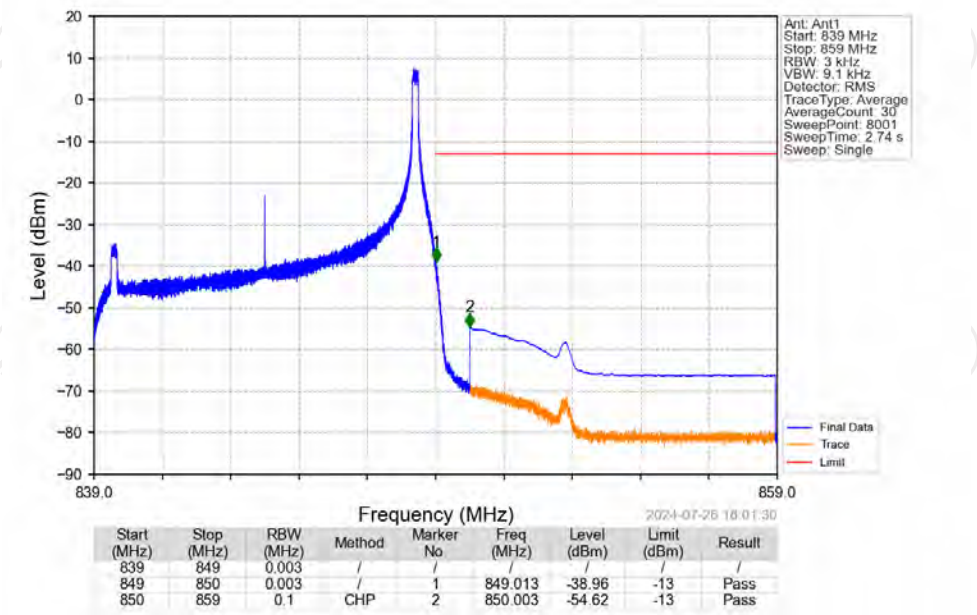
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

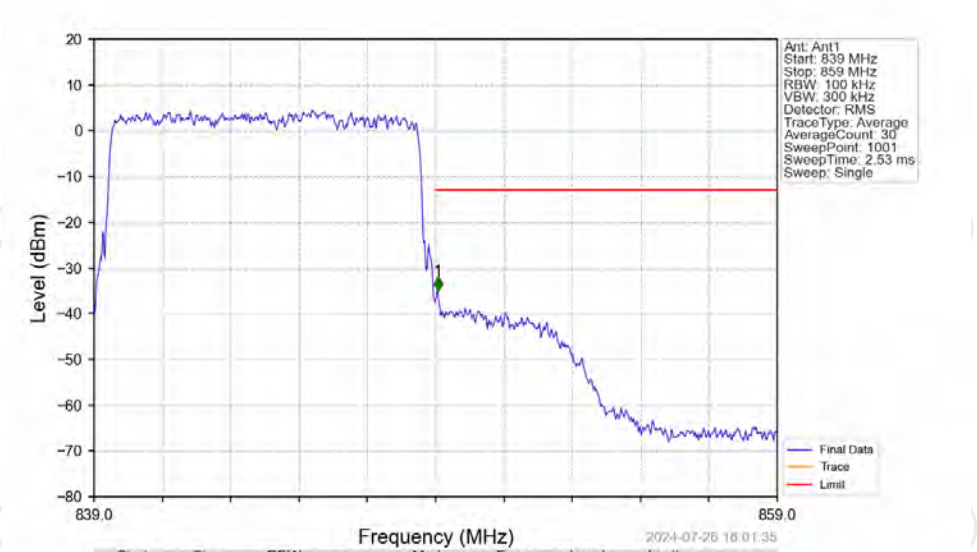


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



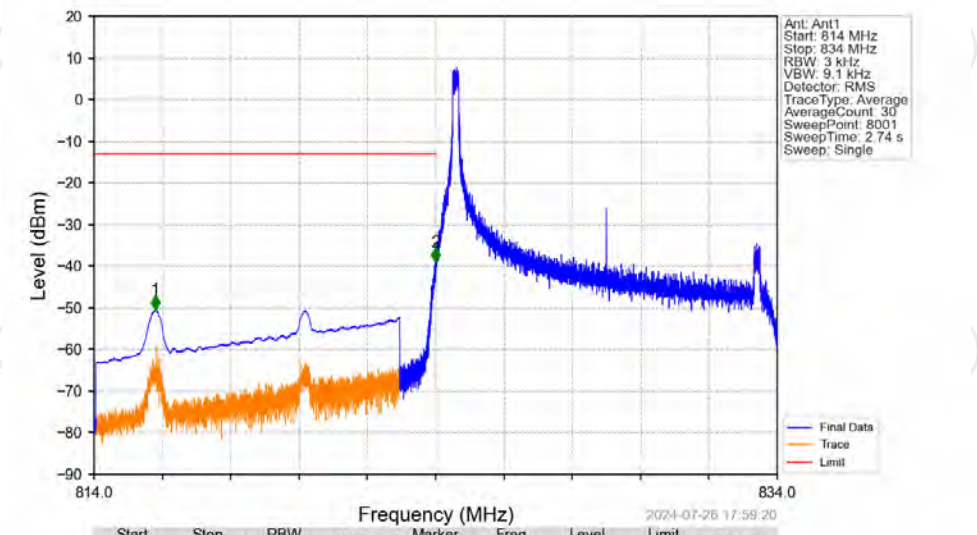
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.013	-38.96	-13	Pass
850	859	0.1	CHP	2	850.003	-54.62	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



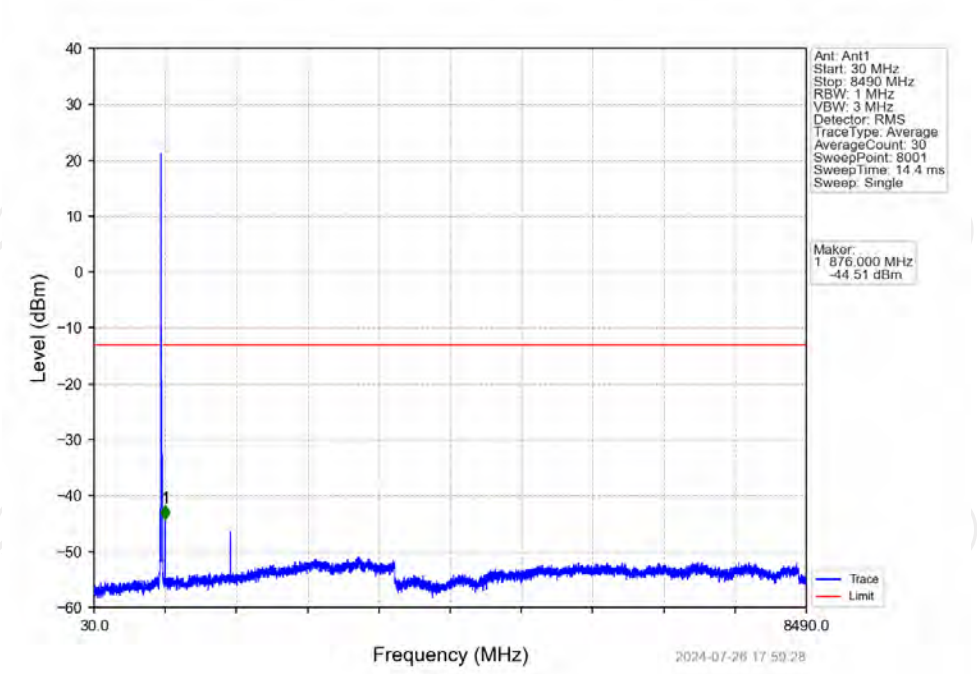
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.060	-34.99	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

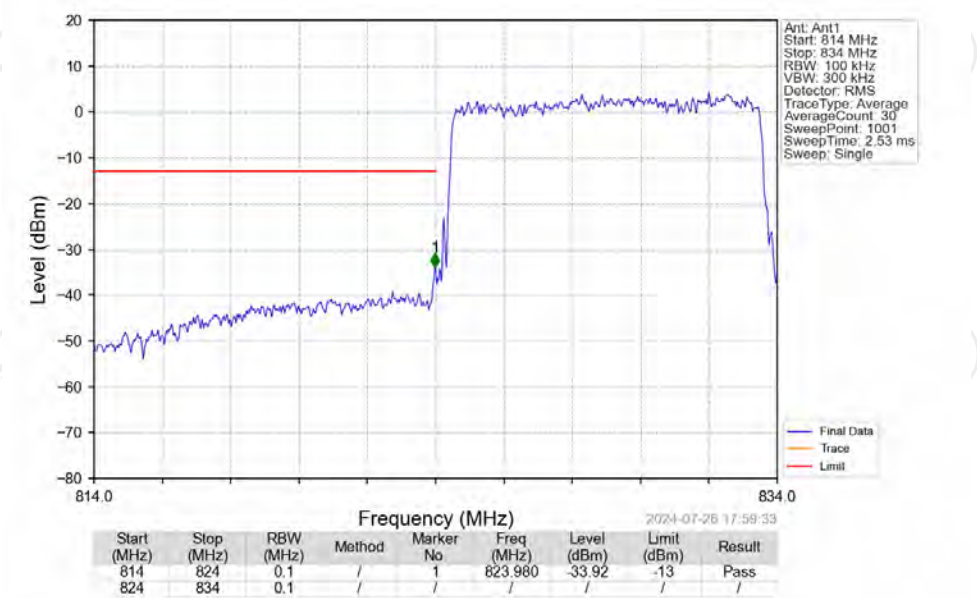


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	815.788	-50.41	-13	Pass
823	824	0.003	/	2	824.000	-38.94	-13	Pass
824	834	0.003	/	/	/	/	/	/

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	824	0.1	/	1	823.980	-33.92	-13	Pass
824	834	0.1	/	/	/	/	/	/

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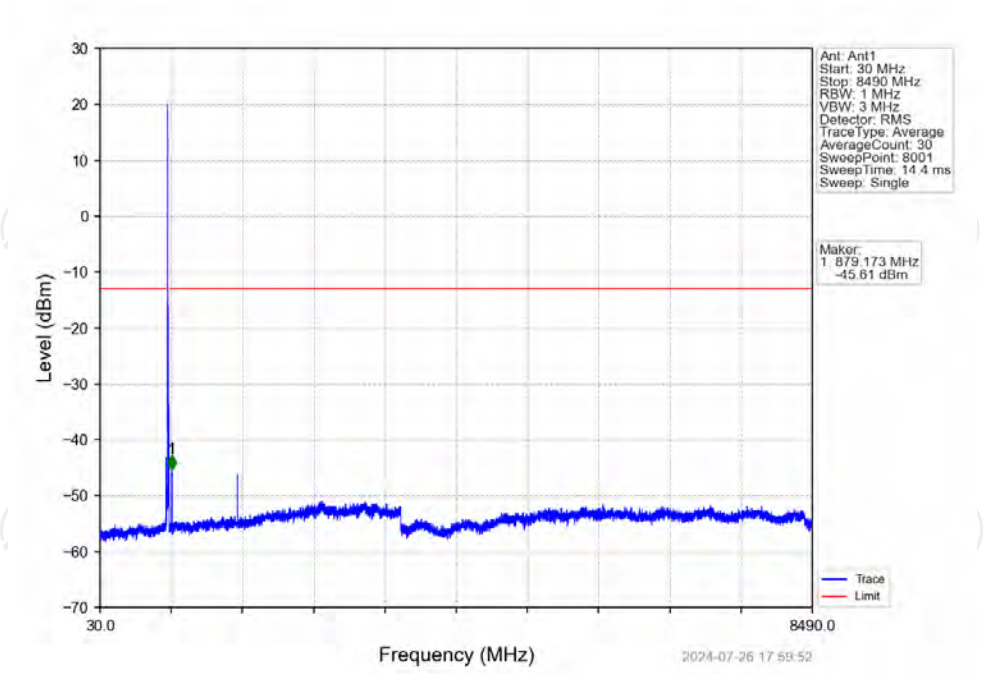
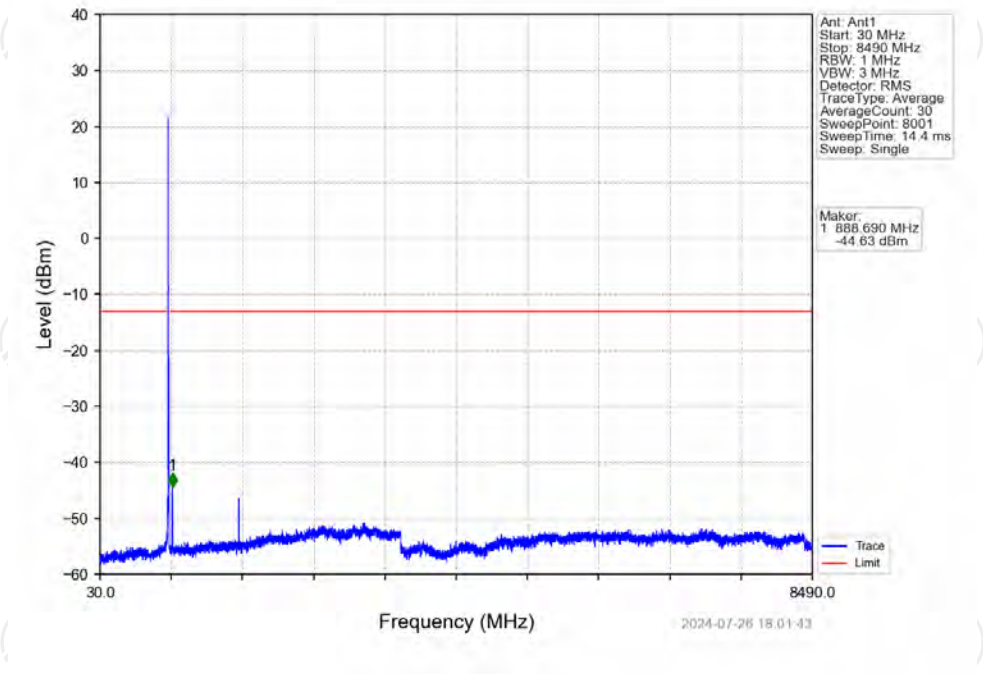
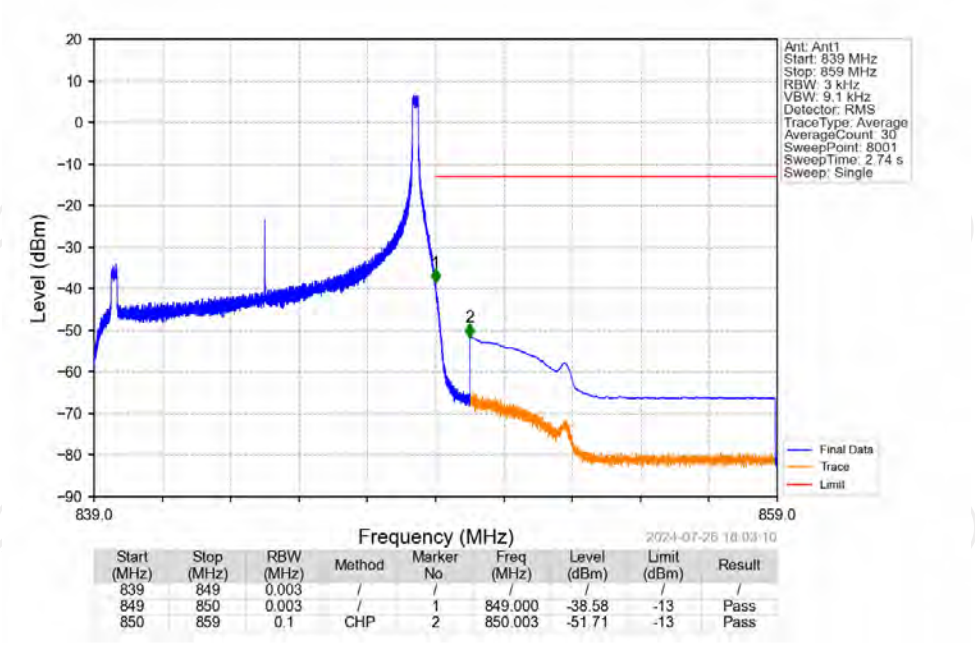
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

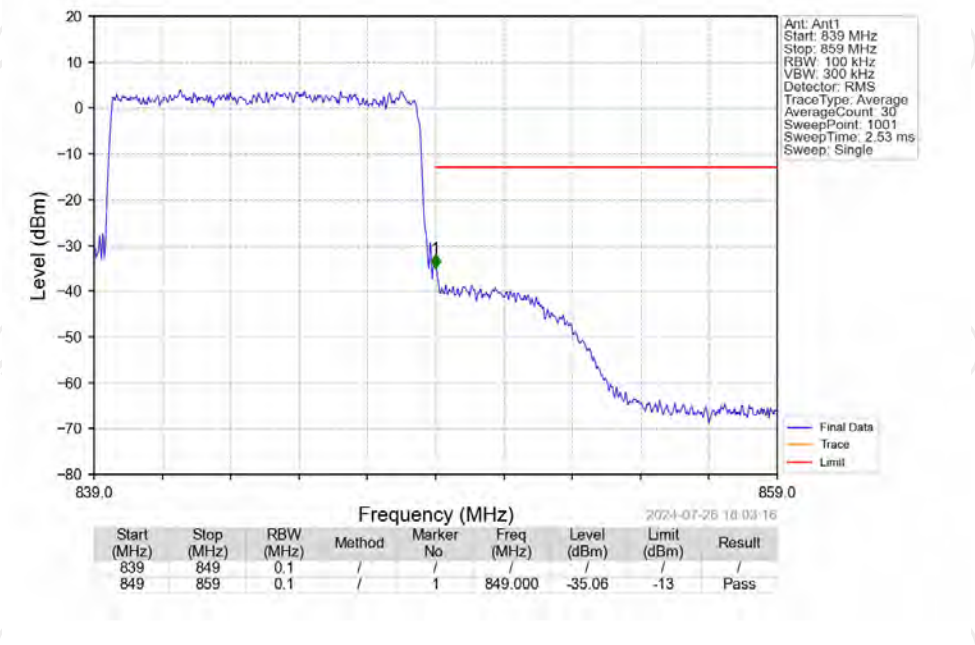


Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



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	849.000	-38.58	-13	Pass
850	859	0.1	CHP	2	850.003	-51.71	-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	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.000	-35.06	-13	Pass