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	21.90	-1.15	18.60	<=34.77	Pass
			2	21.93	-1.15	18.63	<=34.77	Pass
			5	21.85	-1.15	18.55	<=34.77	Pass
		3	0	22.00	-1.15	18.70	<=34.77	Pass
			2	22.04	-1.15	18.74	<=34.77	Pass
			3	21.98	-1.15	18.68	<=34.77	Pass
		6	0	20.92	-1.15	17.62	<=34.77	Pass
	836.5	1	0	21.82	-1.15	18.52	<=34.77	Pass
			2	21.85	-1.15	18.55	<=34.77	Pass
			5	21.85	-1.15	18.55	<=34.77	Pass
		3	0	21.95	-1.15	18.65	<=34.77	Pass
			2	21.92	-1.15	18.62	<=34.77	Pass
			3	21.93	-1.15	18.63	<=34.77	Pass
		6	0	20.86	-1.15	17.56	<=34.77	Pass
	848.3	1	0	21.67	-1.15	18.37	<=34.77	Pass
			2	21.69	-1.15	18.39	<=34.77	Pass
			5	21.69	-1.15	18.39	<=34.77	Pass
		3	0	21.87	-1.15	18.57	<=34.77	Pass
			2	21.86	-1.15	18.56	<=34.77	Pass
			3	21.84	-1.15	18.54	<=34.77	Pass
		6	0	20.90	-1.15	17.60	<=34.77	Pass
16QAM	824.7	1	0	21.32	-1.15	18.02	<=34.77	Pass
			2	21.31	-1.15	18.01	<=34.77	Pass
			5	21.30	-1.15	18.00	<=34.77	Pass
		3	0	21.04	-1.15	17.74	<=34.77	Pass
			2	21.09	-1.15	17.79	<=34.77	Pass
			3	21.05	-1.15	17.75	<=34.77	Pass
		6	0	20.08	-1.15	16.78	<=34.77	Pass
	836.5	1	0	20.71	-1.15	17.41	<=34.77	Pass
			2	20.72	-1.15	17.42	<=34.77	Pass
			5	20.76	-1.15	17.46	<=34.77	Pass
		3	0	20.99	-1.15	17.69	<=34.77	Pass
			2	20.80	-1.15	17.50	<=34.77	Pass
			3	20.84	-1.15	17.54	<=34.77	Pass
		6	0	20.06	-1.15	16.76	<=34.77	Pass
	848.3	1	0	21.63	-1.15	18.33	<=34.77	Pass
			2	21.68	-1.15	18.38	<=34.77	Pass
			5	21.68	-1.15	18.38	<=34.77	Pass
		3	0	20.76	-1.15	17.46	<=34.77	Pass
			2	20.73	-1.15	17.43	<=34.77	Pass
			3	20.68	-1.15	17.38	<=34.77	Pass
		6	0	19.81	-1.15	16.51	<=34.77	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	21.91	-1.15	18.61	<=34.77	Pass
			7	21.93	-1.15	18.63	<=34.77	Pass
			14	21.93	-1.15	18.63	<=34.77	Pass
		8	0	20.96	-1.15	17.66	<=34.77	Pass
			4	20.99	-1.15	17.69	<=34.77	Pass
			7	21.01	-1.15	17.71	<=34.77	Pass
		15	0	20.94	-1.15	17.64	<=34.77	Pass
	836.5	1	0	21.71	-1.15	18.41	<=34.77	Pass
			7	21.77	-1.15	18.47	<=34.77	Pass
			14	21.63	-1.15	18.33	<=34.77	Pass
		8	0	20.89	-1.15	17.59	<=34.77	Pass
			4	20.83	-1.15	17.53	<=34.77	Pass
			7	20.85	-1.15	17.55	<=34.77	Pass
		15	0	20.83	-1.15	17.53	<=34.77	Pass
	847.5	1	0	21.62	-1.15	18.32	<=34.77	Pass
			7	21.57	-1.15	18.27	<=34.77	Pass
			14	21.52	-1.15	18.22	<=34.77	Pass
		8	0	20.81	-1.15	17.51	<=34.77	Pass
			4	20.76	-1.15	17.46	<=34.77	Pass
			7	20.80	-1.15	17.50	<=34.77	Pass
		15	0	20.78	-1.15	17.48	<=34.77	Pass
16QAM	825.5	1	0	20.96	-1.15	17.66	<=34.77	Pass
			7	20.86	-1.15	17.56	<=34.77	Pass
			14	20.97	-1.15	17.67	<=34.77	Pass
		8	0	20.26	-1.15	16.96	<=34.77	Pass
			4	20.30	-1.15	17.00	<=34.77	Pass
			7	20.21	-1.15	16.91	<=34.77	Pass
		15	0	20.00	-1.15	16.70	<=34.77	Pass
	836.5	1	0	21.29	-1.15	17.99	<=34.77	Pass
			7	21.15	-1.15	17.85	<=34.77	Pass
			14	21.25	-1.15	17.95	<=34.77	Pass
		8	0	19.96	-1.15	16.66	<=34.77	Pass
			4	19.95	-1.15	16.65	<=34.77	Pass
			7	19.96	-1.15	16.66	<=34.77	Pass
		15	0	19.86	-1.15	16.56	<=34.77	Pass
	847.5	1	0	21.33	-1.15	18.03	<=34.77	Pass
			7	21.23	-1.15	17.93	<=34.77	Pass
			14	21.13	-1.15	17.83	<=34.77	Pass
		8	0	20.11	-1.15	16.81	<=34.77	Pass
			4	20.04	-1.15	16.74	<=34.77	Pass
			7	20.05	-1.15	16.75	<=34.77	Pass
		15	0	19.94	-1.15	16.64	<=34.77	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	21.86	-1.15	18.56	<=34.77	Pass
			13	21.78	-1.15	18.48	<=34.77	Pass
			24	21.72	-1.15	18.42	<=34.77	Pass
		12	0	20.93	-1.15	17.63	<=34.77	Pass
			6	20.92	-1.15	17.62	<=34.77	Pass
			13	20.88	-1.15	17.58	<=34.77	Pass

		25	0	20.95	-1.15	17.65	<=34.77	Pass
	836.5	1	0	21.87	-1.15	18.57	<=34.77	Pass
			13	21.80	-1.15	18.50	<=34.77	Pass
			24	21.78	-1.15	18.48	<=34.77	Pass
		12	0	20.93	-1.15	17.63	<=34.77	Pass
			6	20.84	-1.15	17.54	<=34.77	Pass
			13	20.81	-1.15	17.51	<=34.77	Pass
		25	0	20.87	-1.15	17.57	<=34.77	Pass
	846.5	1	0	21.91	-1.15	18.61	<=34.77	Pass
			13	21.91	-1.15	18.61	<=34.77	Pass
			24	21.77	-1.15	18.47	<=34.77	Pass
		12	0	20.89	-1.15	17.59	<=34.77	Pass
			6	20.81	-1.15	17.51	<=34.77	Pass
			13	20.78	-1.15	17.48	<=34.77	Pass
		25	0	20.84	-1.15	17.54	<=34.77	Pass
16QAM	826.5	1	0	20.86	-1.15	17.56	<=34.77	Pass
			13	20.78	-1.15	17.48	<=34.77	Pass
			24	20.78	-1.15	17.48	<=34.77	Pass
		12	0	20.01	-1.15	16.71	<=34.77	Pass
			6	20.00	-1.15	16.70	<=34.77	Pass
			13	20.01	-1.15	16.71	<=34.77	Pass
		25	0	20.08	-1.15	16.78	<=34.77	Pass
	836.5	1	0	20.77	-1.15	17.47	<=34.77	Pass
			13	20.67	-1.15	17.37	<=34.77	Pass
			24	20.67	-1.15	17.37	<=34.77	Pass
		12	0	19.86	-1.15	16.56	<=34.77	Pass
			6	19.84	-1.15	16.54	<=34.77	Pass
			13	19.78	-1.15	16.48	<=34.77	Pass
		25	0	19.80	-1.15	16.50	<=34.77	Pass
	846.5	1	0	20.09	-1.15	16.79	<=34.77	Pass
			13	20.01	-1.15	16.71	<=34.77	Pass
			24	19.96	-1.15	16.66	<=34.77	Pass
		12	0	19.93	-1.15	16.63	<=34.77	Pass
			6	19.90	-1.15	16.60	<=34.77	Pass
			13	19.88	-1.15	16.58	<=34.77	Pass
		25	0	19.96	-1.15	16.66	<=34.77	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	21.94	-1.15	18.64	<=34.77	Pass
			25	21.91	-1.15	18.61	<=34.77	Pass
			49	21.82	-1.15	18.52	<=34.77	Pass
		25	0	20.85	-1.15	17.55	<=34.77	Pass
			13	20.81	-1.15	17.51	<=34.77	Pass
			25	20.82	-1.15	17.52	<=34.77	Pass
		50	0	20.85	-1.15	17.55	<=34.77	Pass
	836.5	1	0	21.69	-1.15	18.39	<=34.77	Pass
			25	21.66	-1.15	18.36	<=34.77	Pass
			49	21.61	-1.15	18.31	<=34.77	Pass
		25	0	20.81	-1.15	17.51	<=34.77	Pass
			13	20.74	-1.15	17.44	<=34.77	Pass
			25	20.68	-1.15	17.38	<=34.77	Pass
		50	0	20.84	-1.15	17.54	<=34.77	Pass

	844	1	0	21.71	-1.15	18.41	<=34.77	Pass
			25	21.67	-1.15	18.37	<=34.77	Pass
			49	21.65	-1.15	18.35	<=34.77	Pass
		25	0	20.76	-1.15	17.46	<=34.77	Pass
			13	20.67	-1.15	17.37	<=34.77	Pass
			25	20.68	-1.15	17.38	<=34.77	Pass
		50	0	20.78	-1.15	17.48	<=34.77	Pass
16QAM	829	1	0	20.67	-1.15	17.37	<=34.77	Pass
			25	20.59	-1.15	17.29	<=34.77	Pass
			49	20.53	-1.15	17.23	<=34.77	Pass
		25	0	20.11	-1.15	16.81	<=34.77	Pass
			13	20.09	-1.15	16.79	<=34.77	Pass
			25	20.06	-1.15	16.76	<=34.77	Pass
		50	0	19.97	-1.15	16.67	<=34.77	Pass
	836.5	1	0	21.78	-1.15	18.48	<=34.77	Pass
			25	21.75	-1.15	18.45	<=34.77	Pass
			49	21.67	-1.15	18.37	<=34.77	Pass
		25	0	19.91	-1.15	16.61	<=34.77	Pass
			13	19.93	-1.15	16.63	<=34.77	Pass
			25	19.84	-1.15	16.54	<=34.77	Pass
		50	0	19.89	-1.15	16.59	<=34.77	Pass
	844	1	0	21.11	-1.15	17.81	<=34.77	Pass
			25	21.03	-1.15	17.73	<=34.77	Pass
			49	20.99	-1.15	17.69	<=34.77	Pass
		25	0	19.96	-1.15	16.66	<=34.77	Pass
			13	19.94	-1.15	16.64	<=34.77	Pass
			25	19.89	-1.15	16.59	<=34.77	Pass
		50	0	19.88	-1.15	16.58	<=34.77	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	0.443	0.0005	-2.5 to 2.5	Pass
					3.85	0.958	0.0012	-2.5 to 2.5	Pass
					4.43	1.044	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.701	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.159	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	0.372	0.0004	-2.5 to 2.5	Pass
					3.85	0.601	0.0007	-2.5 to 2.5	Pass
					4.43	0.715	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0002	-2.5 to 2.5	Pass

				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.114	0.0001	-2.5 to 2.5	Pass
					3.85	0.472	0.0006	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.730	0.0009	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	1.073	0.0013	-2.5 to 2.5	Pass
					3.85	1.230	0.0015	-2.5 to 2.5	Pass
					4.43	0.873	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.116	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.001	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.672	0.0008	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	0.286	0.0003	-2.5 to 2.5	Pass
					3.85	0.443	0.0005	-2.5 to 2.5	Pass
					4.43	-0.072	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.572	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.858	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0005	-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	0.615	0.0007	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass

					4.43	0.086	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	0.772	0.0009	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
					4.43	0.386	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	1.616	0.0019	-2.5 to 2.5	Pass
					4.43	1.459	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.345	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.602	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.386	0.0005	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.129	0.0002	-2.5 to 2.5	Pass
					3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.887	-0.0010	-2.5 to 2.5	Pass

				0	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.100	-0.0001	-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	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
					4.43	0.057	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.243	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.930	0.0011	-2.5 to 2.5	Pass
					3.85	0.629	0.0007	-2.5 to 2.5	Pass
					4.43	0.329	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	0.229	0.0003	-2.5 to 2.5	Pass
					4.43	0.458	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.730	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0005	-2.5 to 2.5	Pass

					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0001	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-1.044	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0022	-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	0.143	0.0002	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.974	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass

				40	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	0.358	0.0004	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0003	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.472	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.286	0.0003	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.43	0.215	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0011	-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

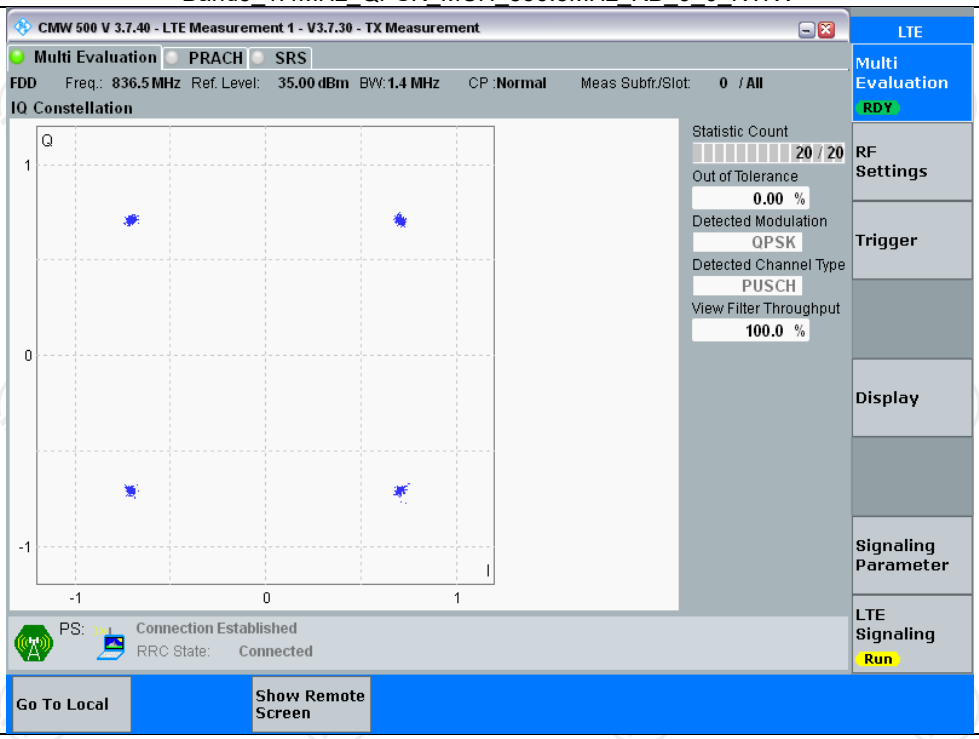
3.1.4 B5_10MHz

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

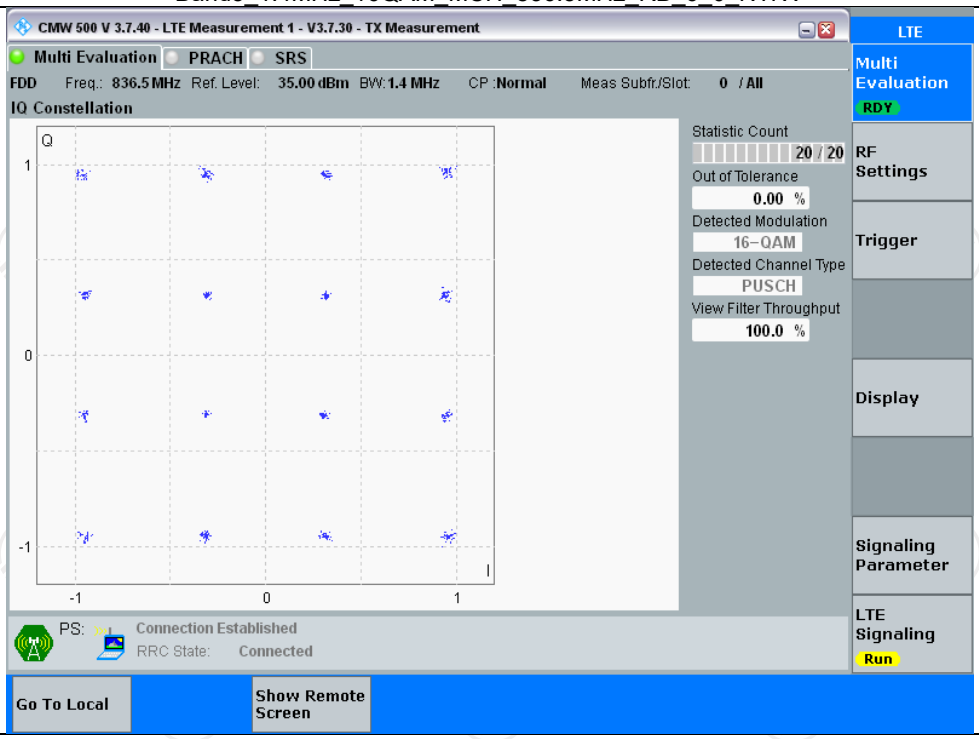
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

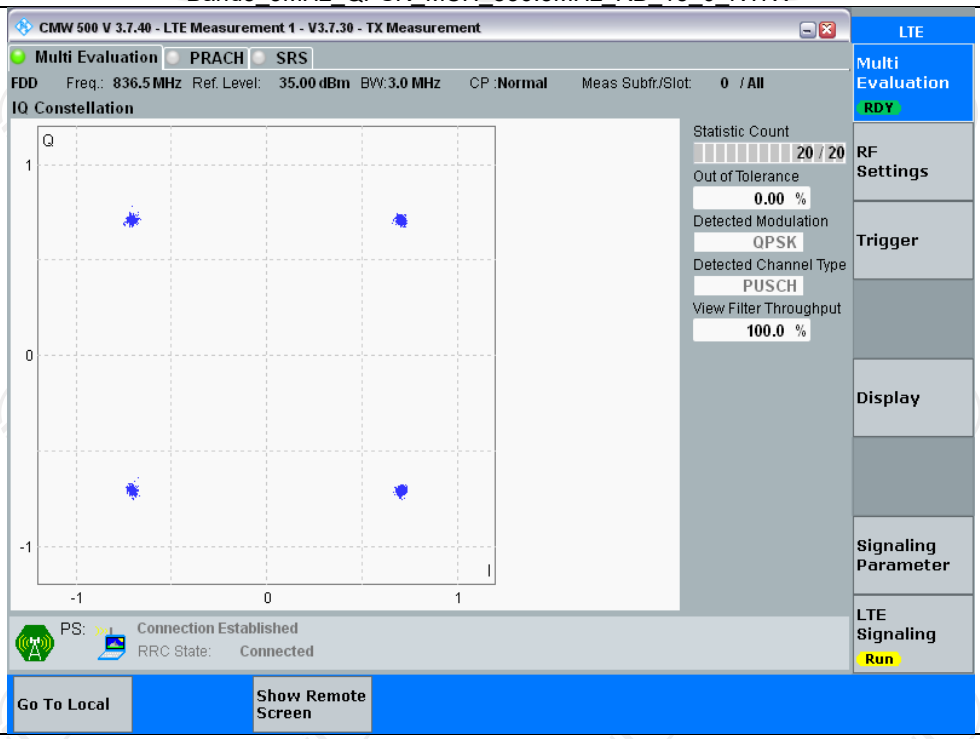


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

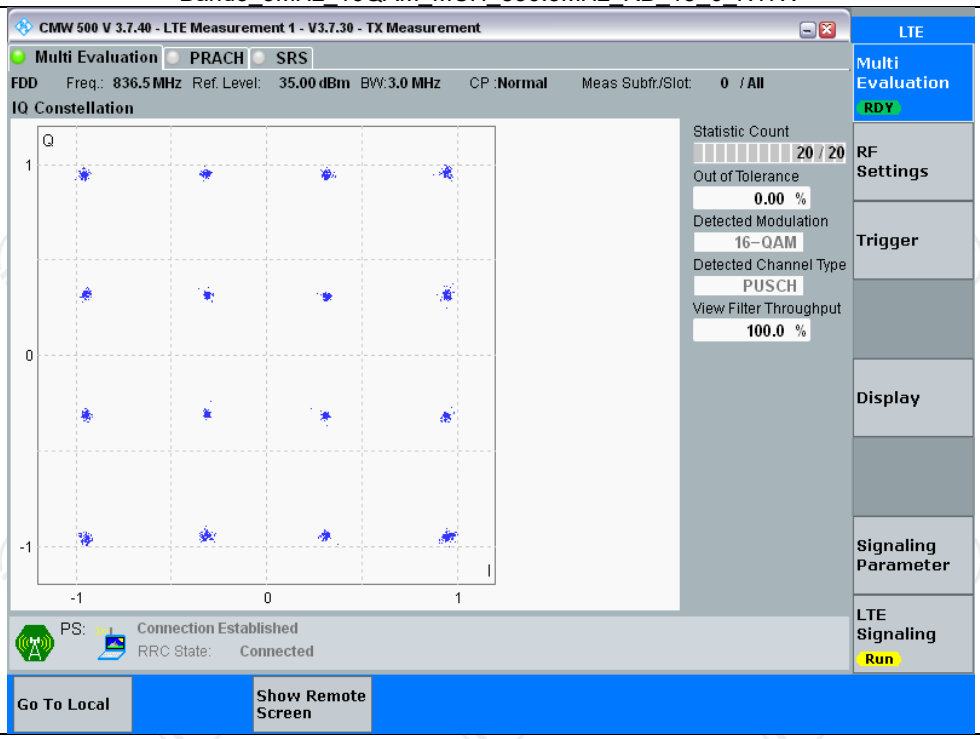


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

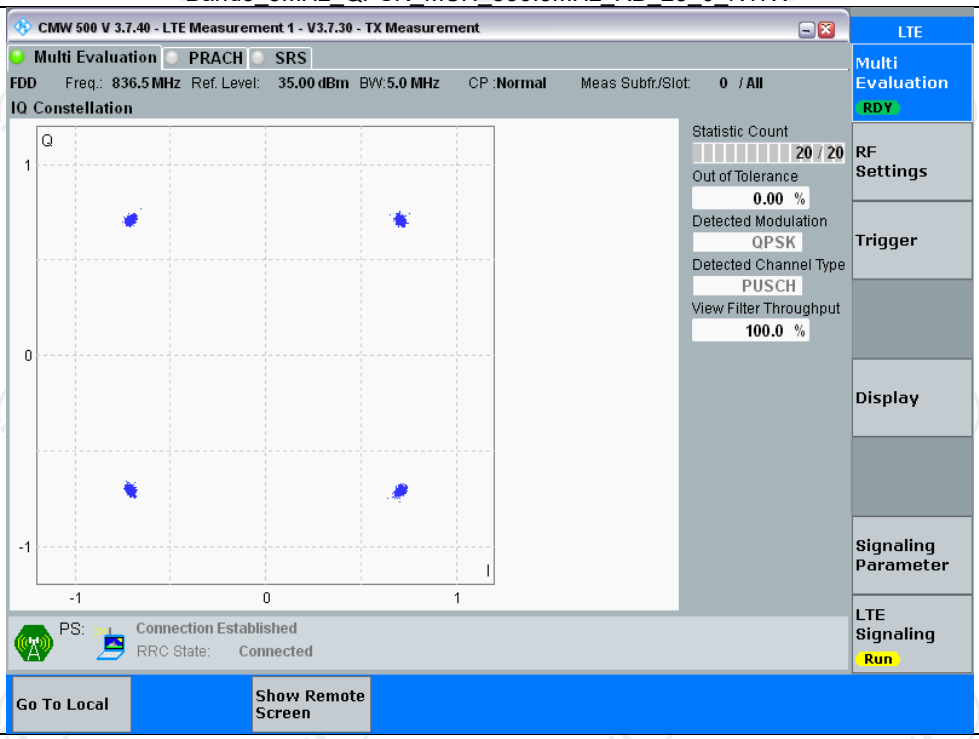


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

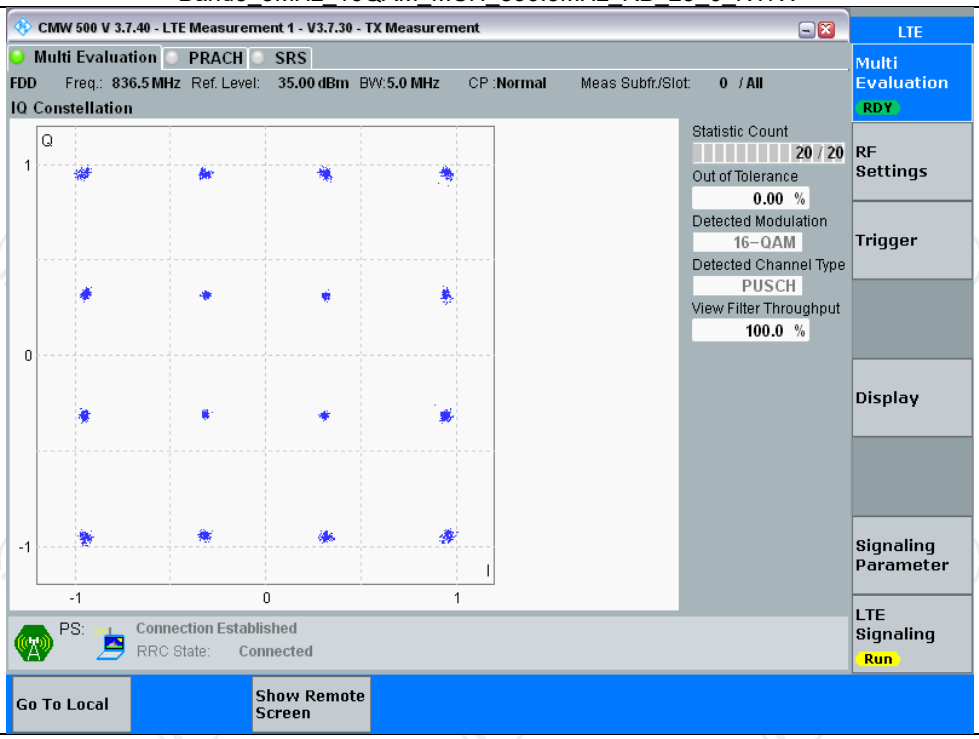


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

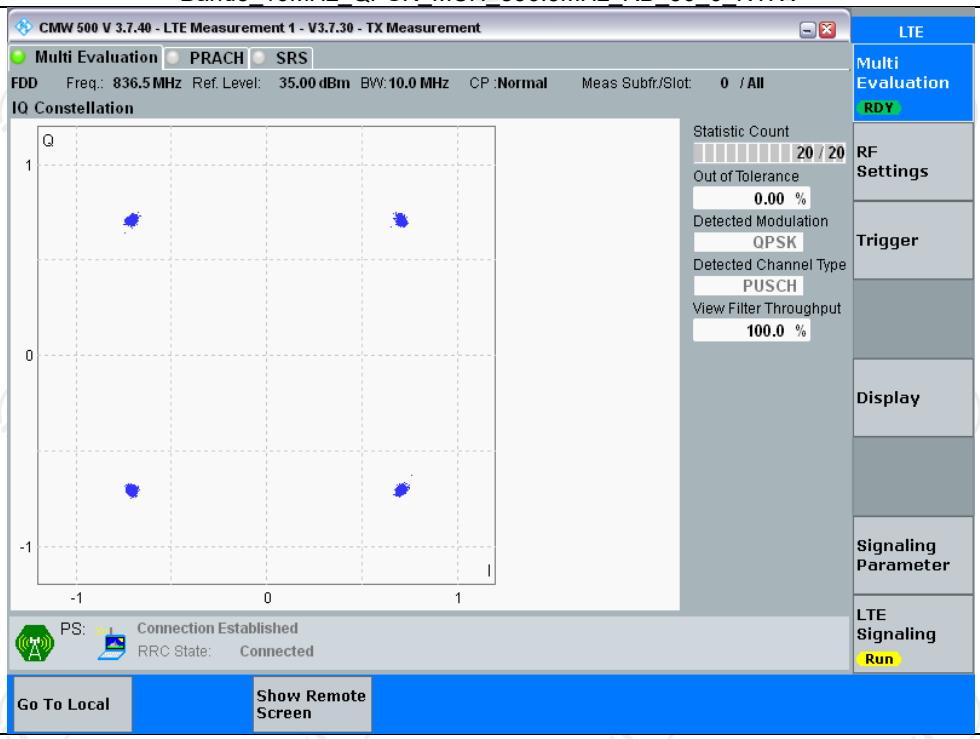


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

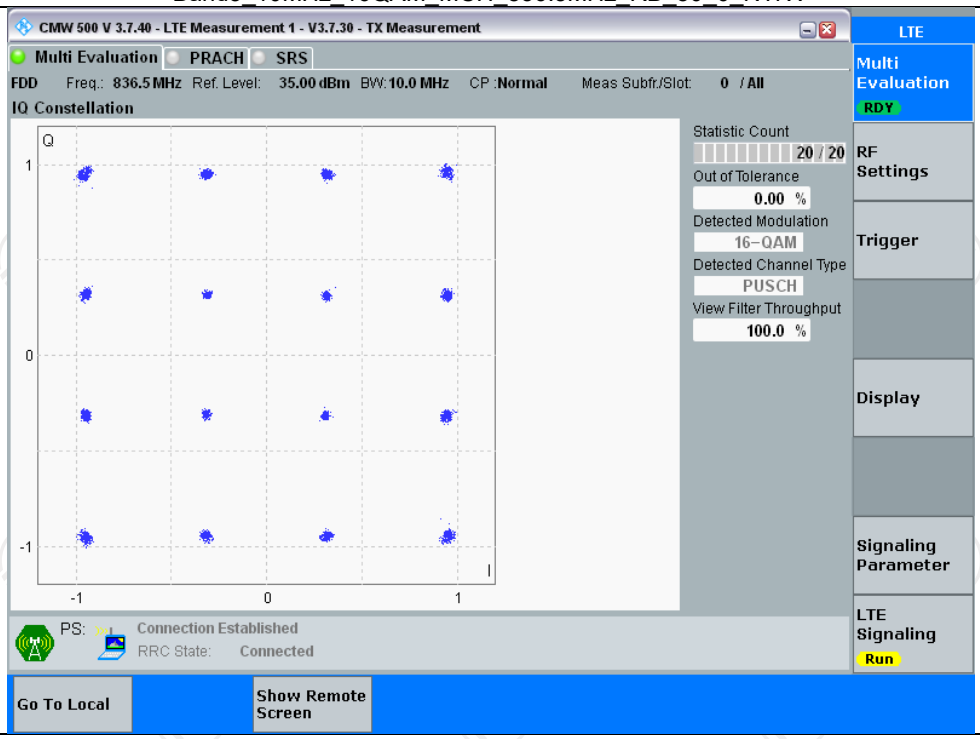


3.2.4 B5_10MHz

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	1.100	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.104	/	Pass
	16QAM	824.7	6	0	1.095	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.105	/	Pass
3	QPSK	825.5	15	0	2.723	/	Pass
		836.5	15	0	2.728	/	Pass
		847.5	15	0	2.714	/	Pass
	16QAM	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.715	/	Pass
		847.5	15	0	2.718	/	Pass
5	QPSK	826.5	25	0	4.538	/	Pass
		836.5	25	0	4.558	/	Pass
		846.5	25	0	4.548	/	Pass
	16QAM	826.5	25	0	4.583	/	Pass
		836.5	25	0	4.577	/	Pass
		846.5	25	0	4.571	/	Pass
10	QPSK	829	50	0	9.086	/	Pass
		836.5	50	0	9.057	/	Pass
		844	50	0	9.089	/	Pass
	16QAM	829	50	0	9.037	/	Pass
		836.5	50	0	9.079	/	Pass
		844	50	0	9.069	/	Pass

4.1.2 Band5_XDB

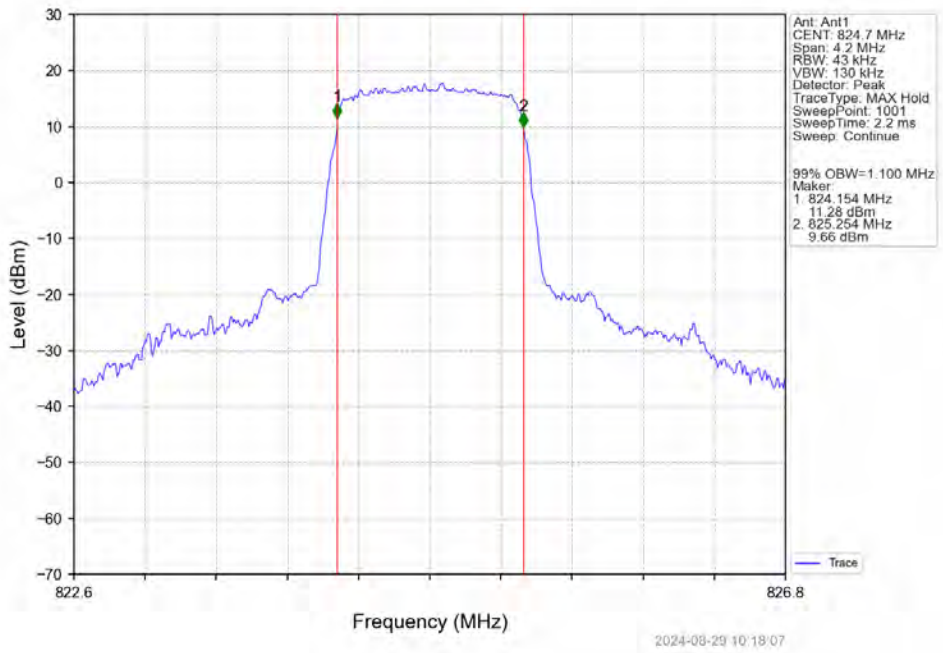
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.266	/	Pass
		836.5	6	0	1.267	/	Pass
		848.3	6	0	1.263	/	Pass
	16QAM	824.7	6	0	1.259	/	Pass
		836.5	6	0	1.258	/	Pass
		848.3	6	0	1.269	/	Pass
3	QPSK	825.5	15	0	2.967	/	Pass
		836.5	15	0	2.980	/	Pass
		847.5	15	0	2.971	/	Pass
	16QAM	825.5	15	0	2.974	/	Pass
		836.5	15	0	2.964	/	Pass
		847.5	15	0	2.982	/	Pass
5	QPSK	826.5	25	0	5.046	/	Pass
		836.5	25	0	5.070	/	Pass
		846.5	25	0	5.057	/	Pass

	16QAM	826.5	25	0	5.055	/	Pass
		836.5	25	0	5.064	/	Pass
		846.5	25	0	5.030	/	Pass
10	QPSK	829	50	0	10.094	/	Pass
		836.5	50	0	10.095	/	Pass
		844	50	0	10.081	/	Pass
	16QAM	829	50	0	10.065	/	Pass
		836.5	50	0	10.060	/	Pass
		844	50	0	10.098	/	Pass

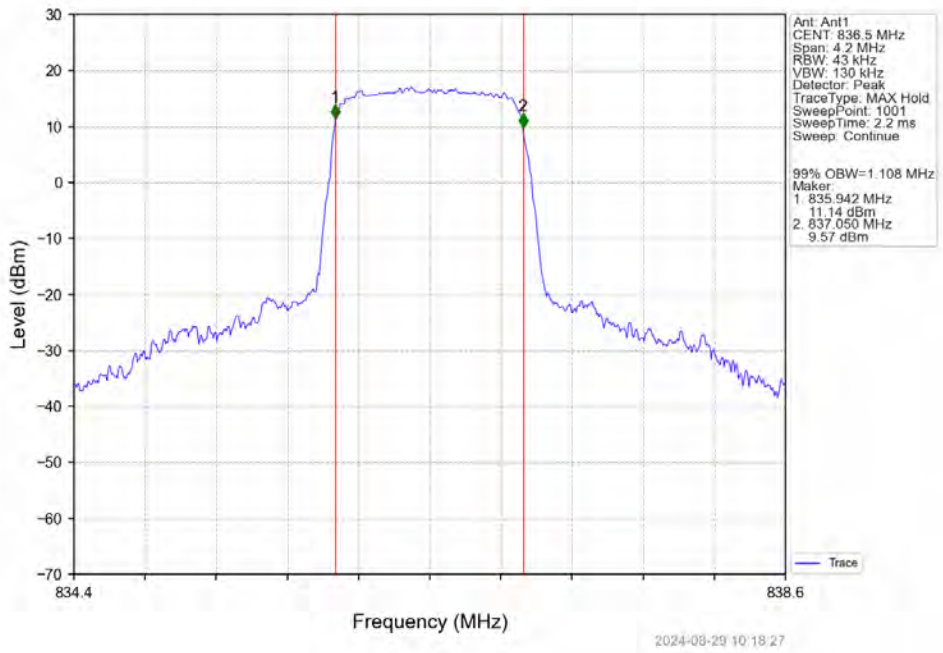
4.2 Test Graph

4.2.1 Band5_OBW

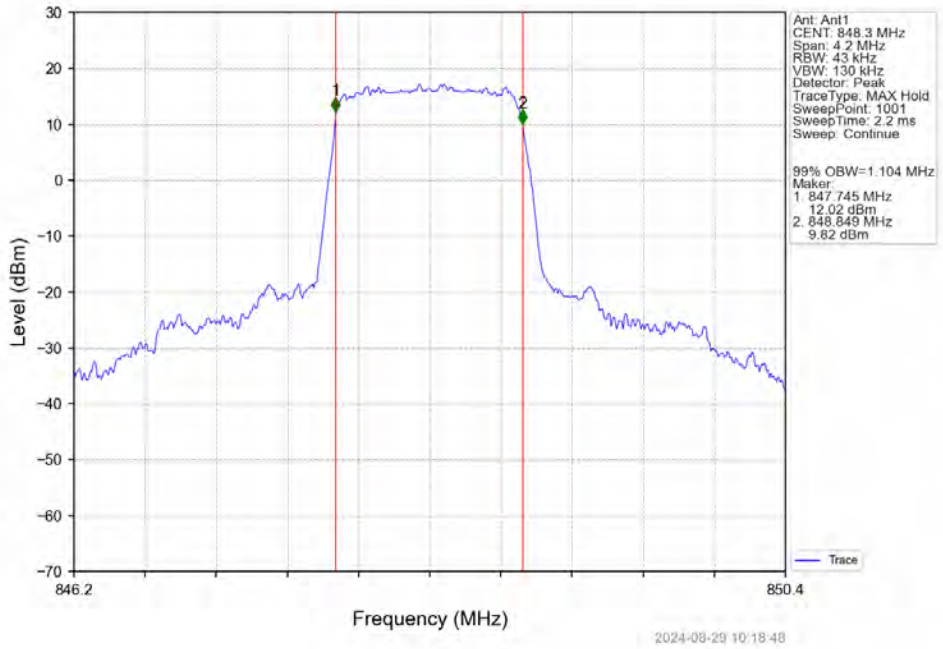
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



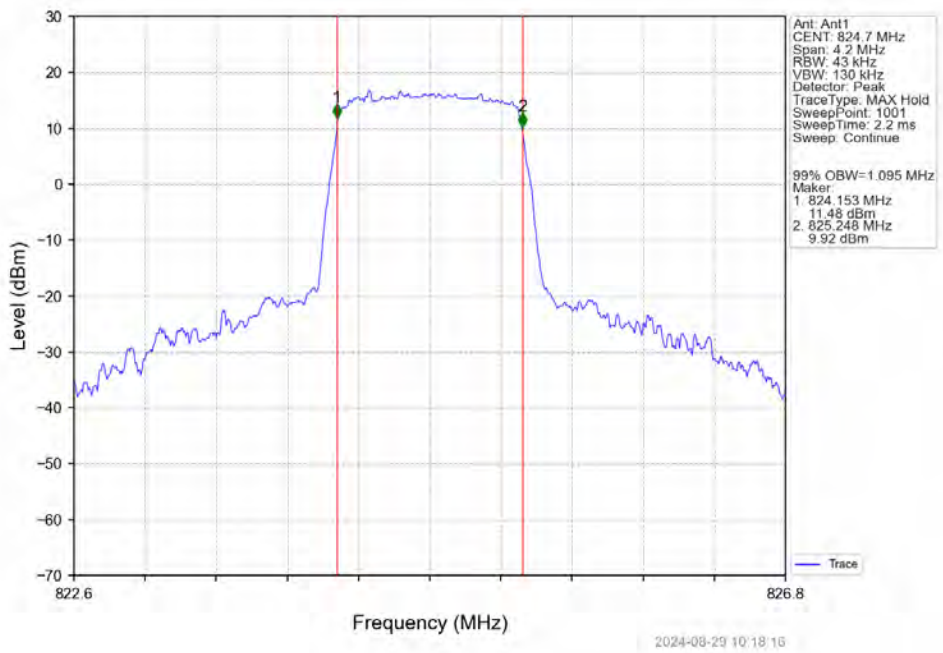
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



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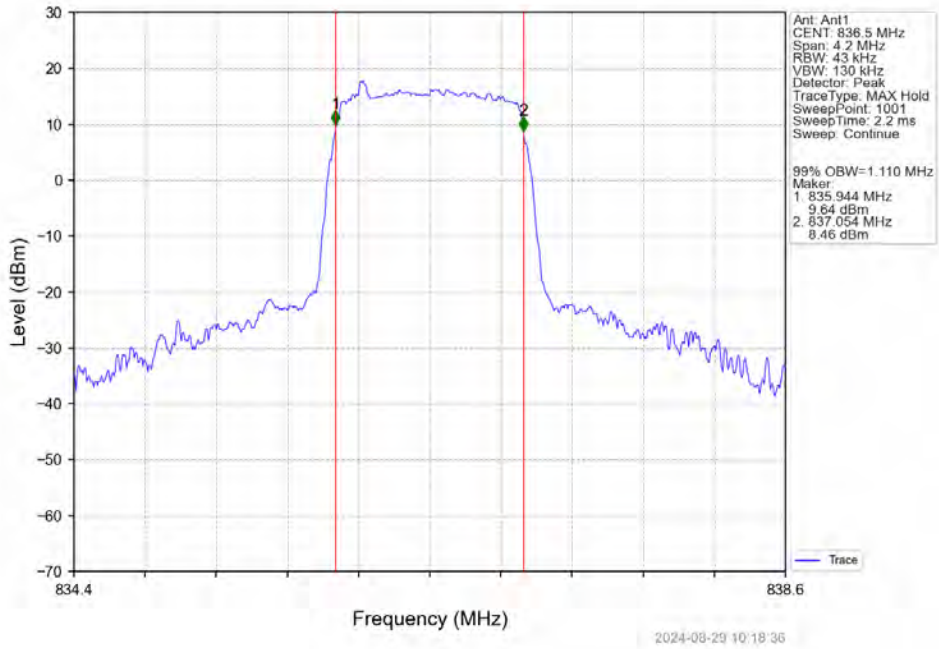
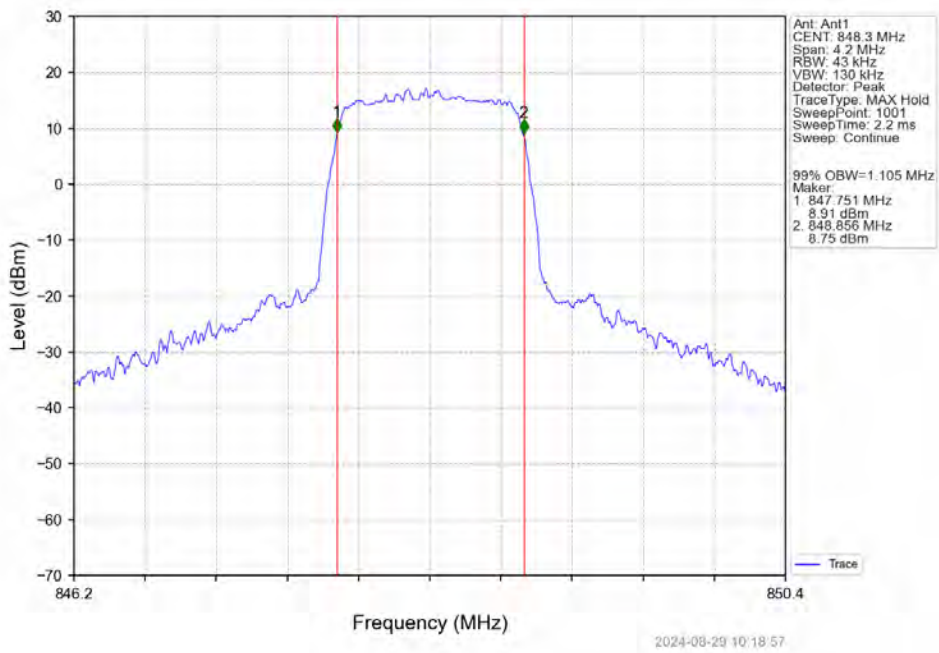
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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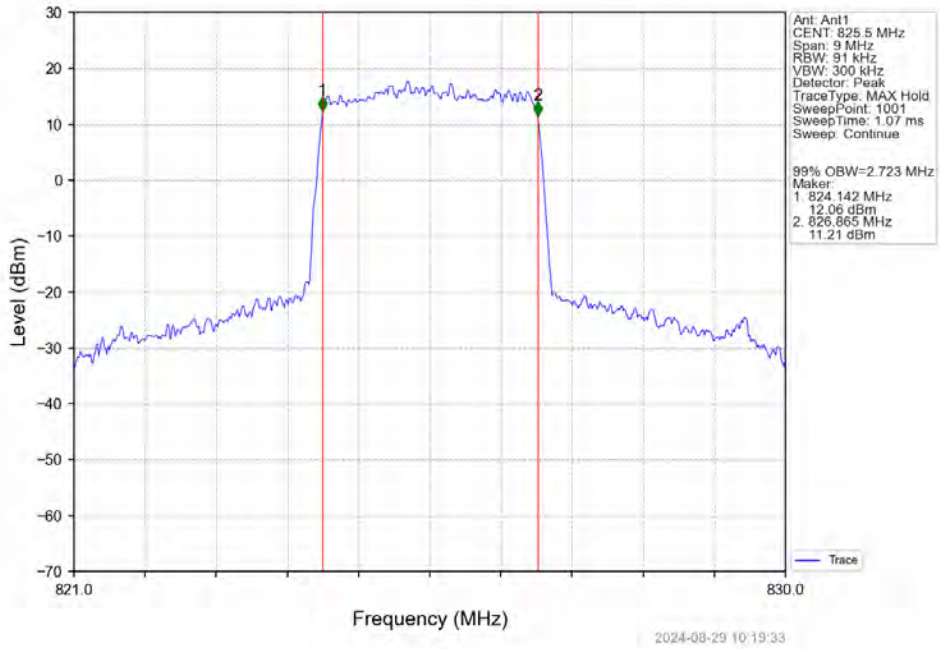
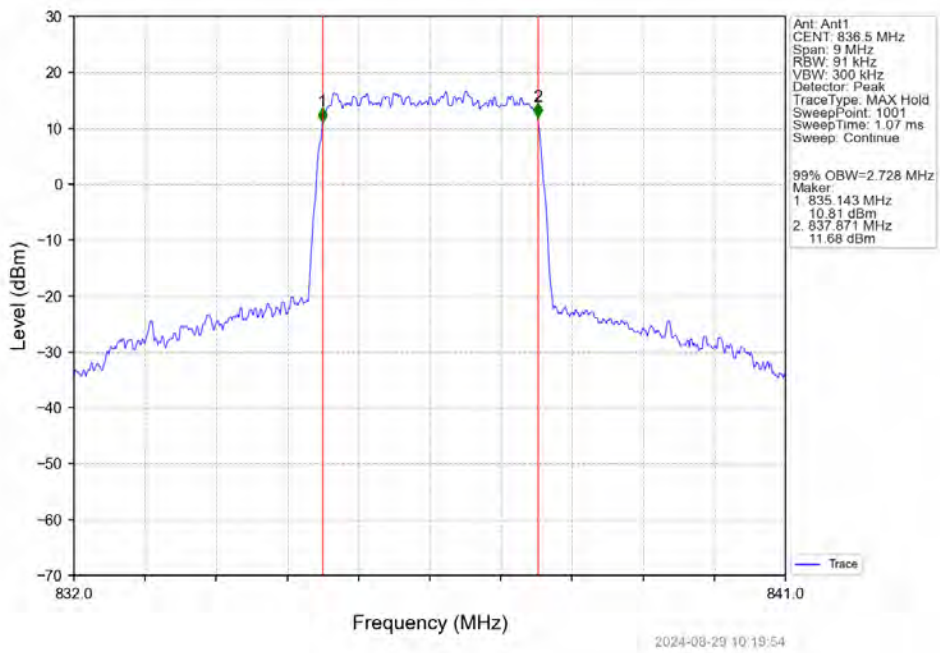
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



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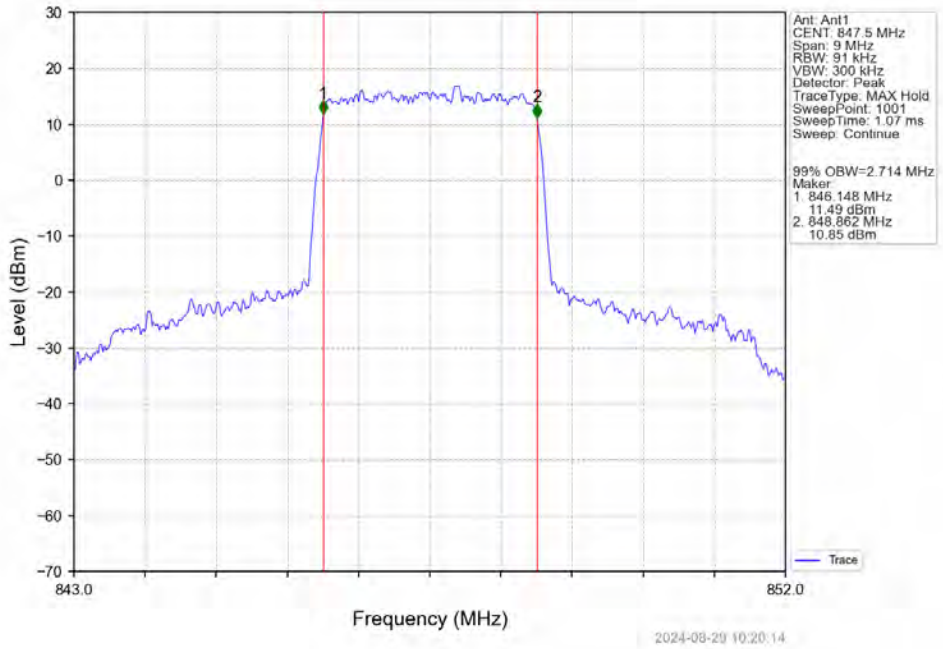
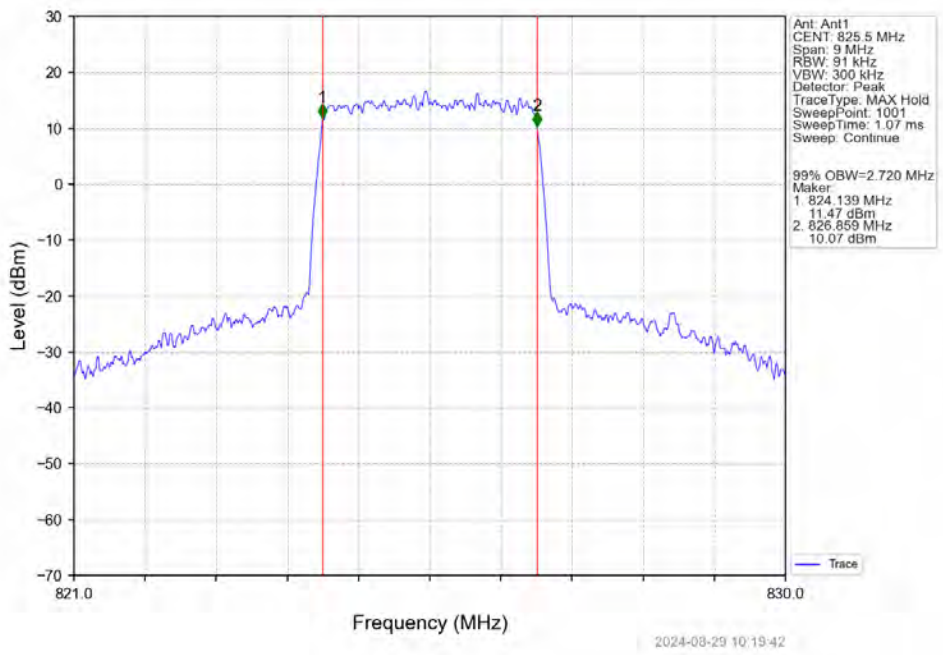
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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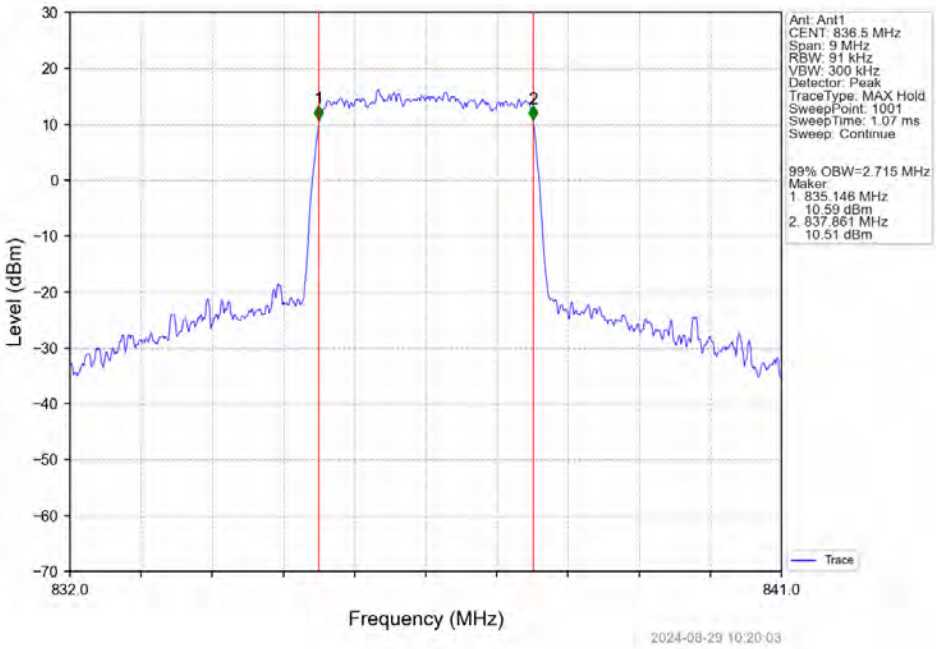
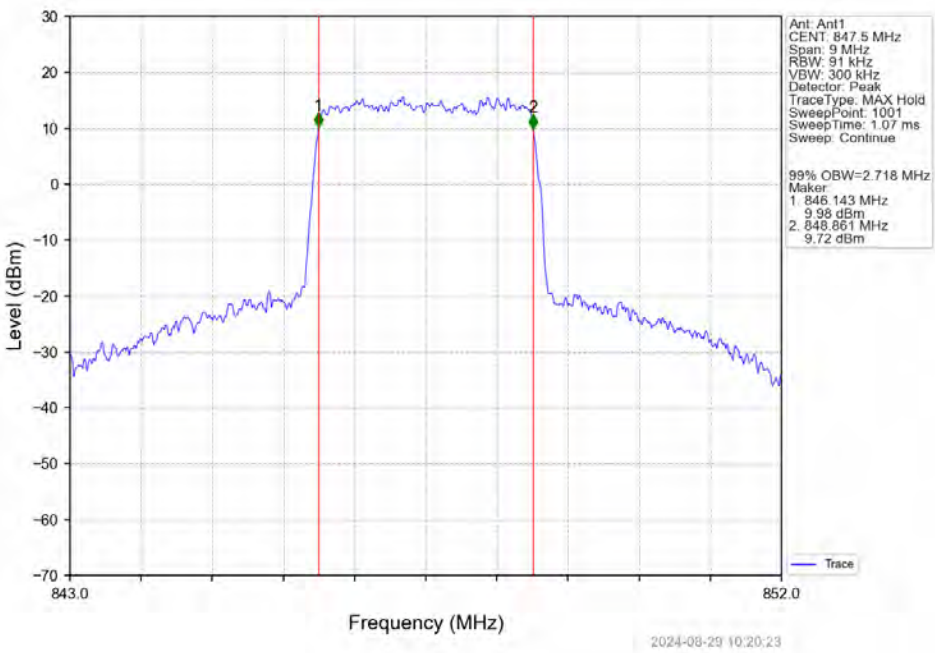
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



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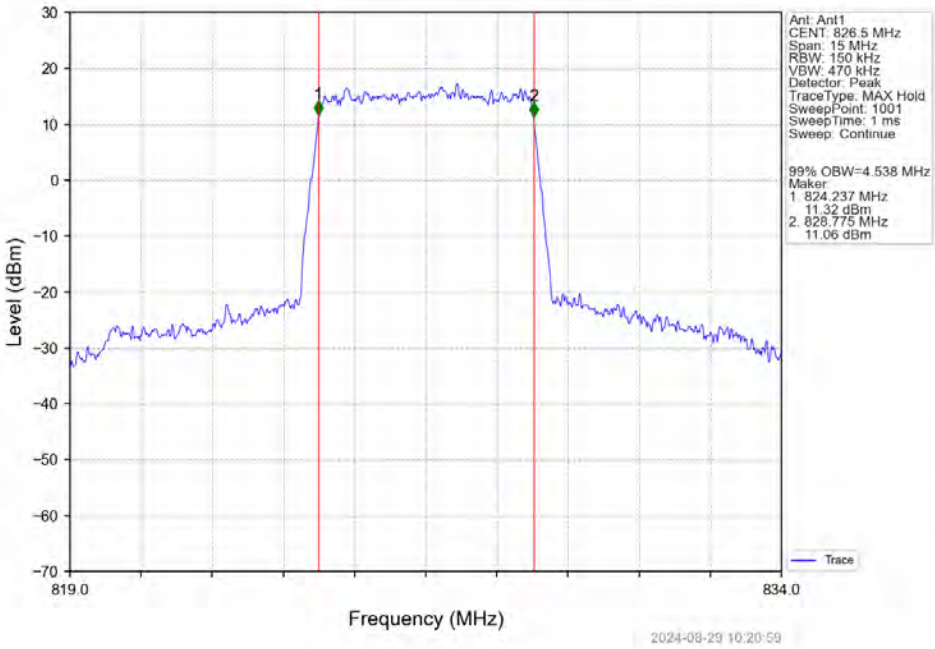
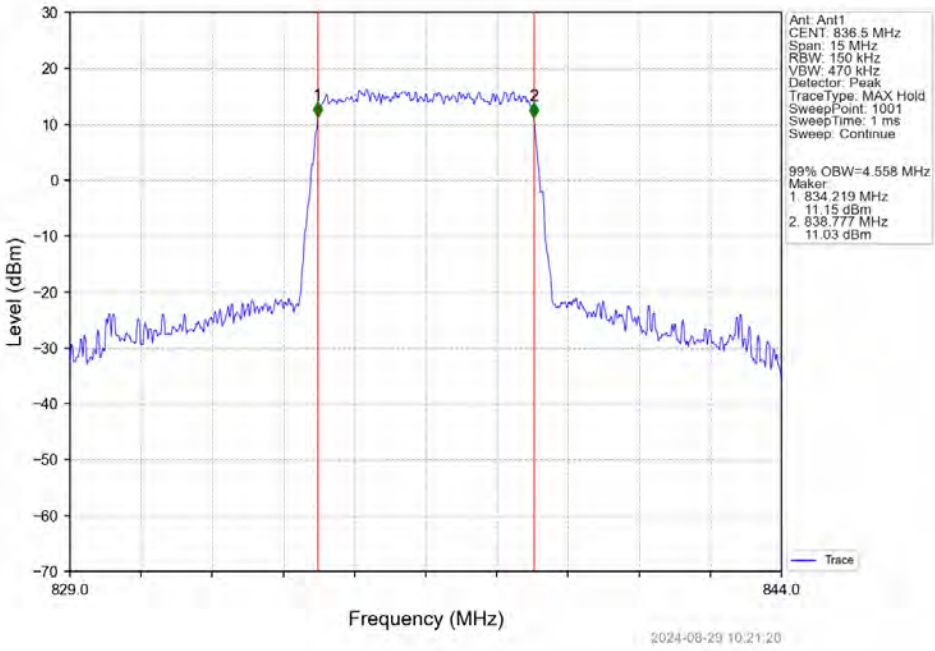
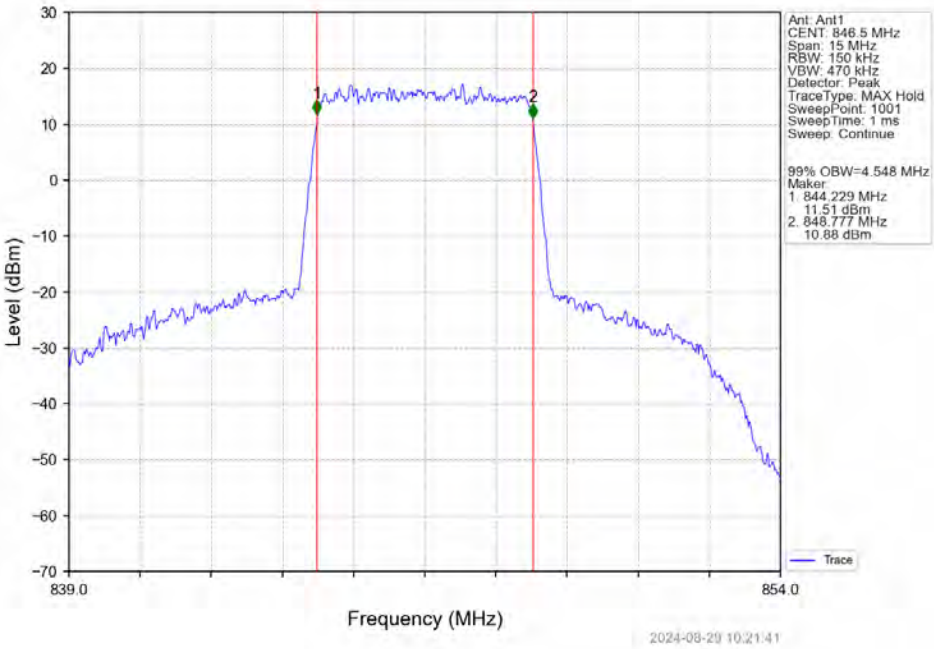
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



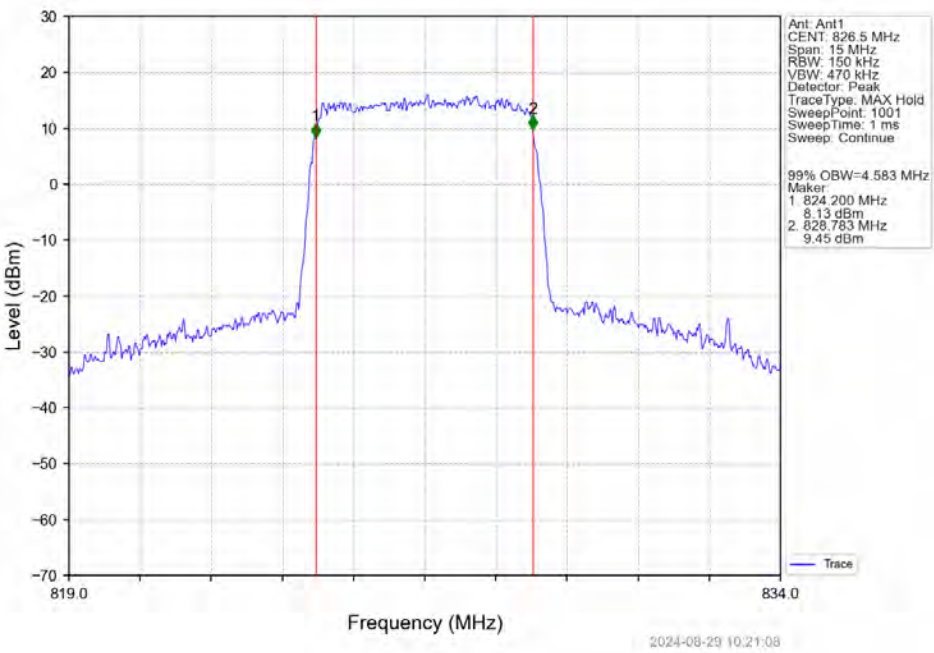
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



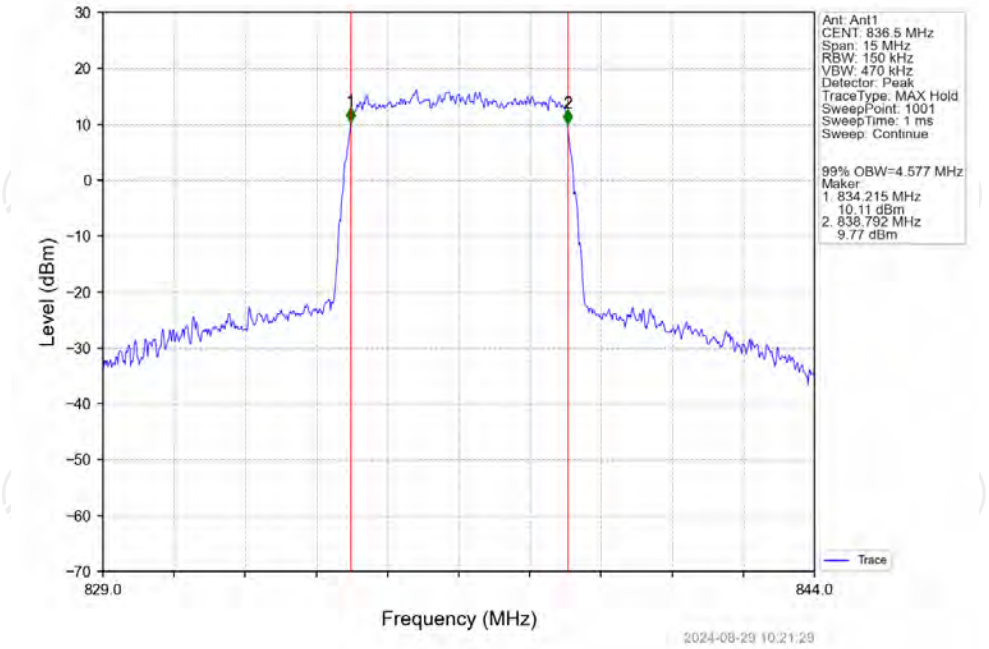
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



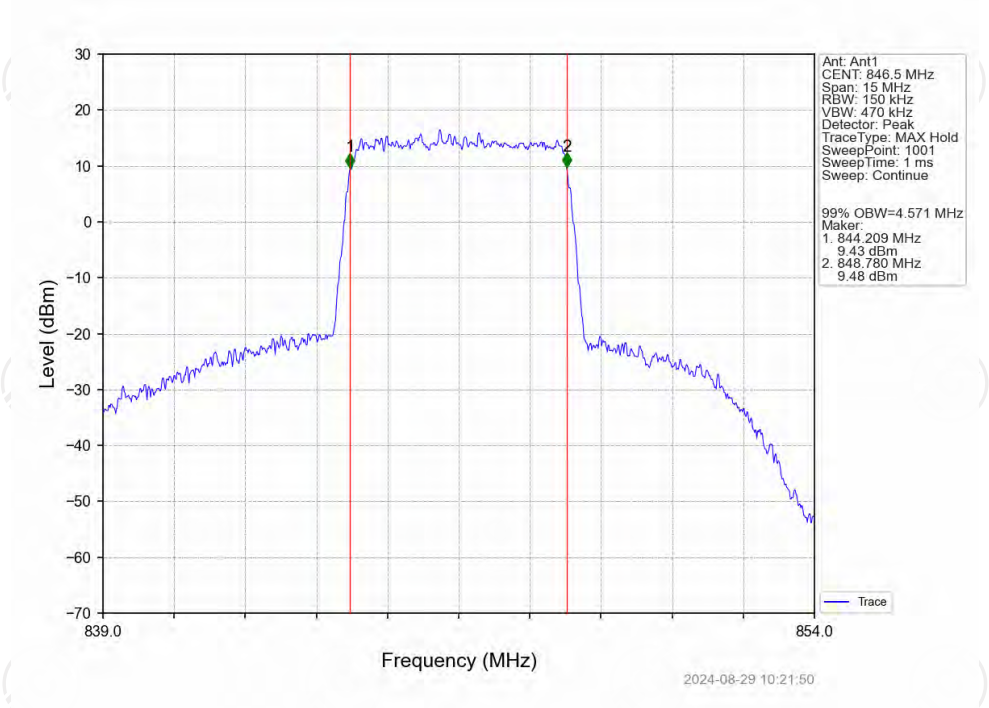
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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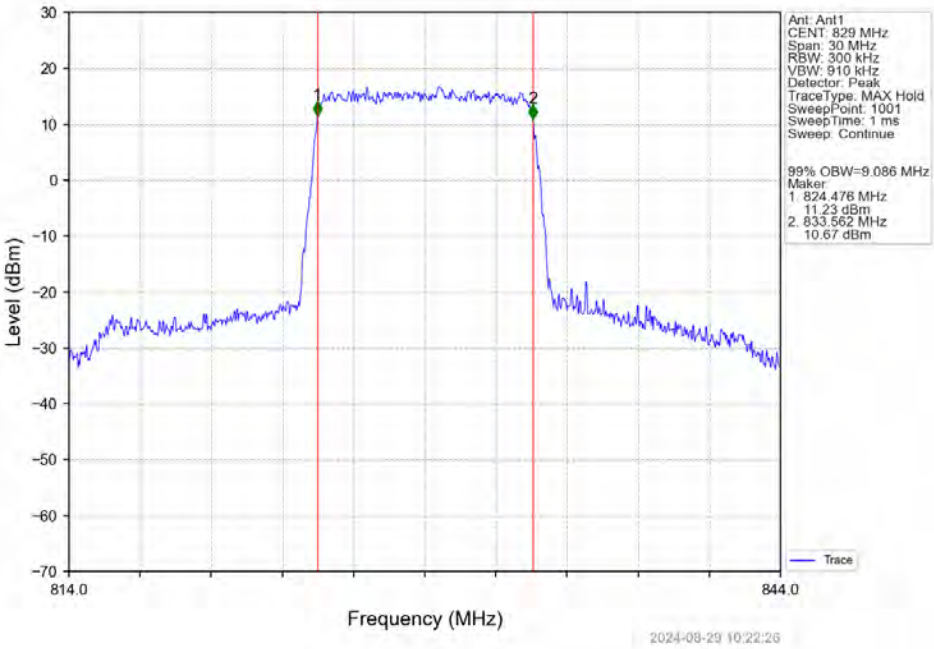
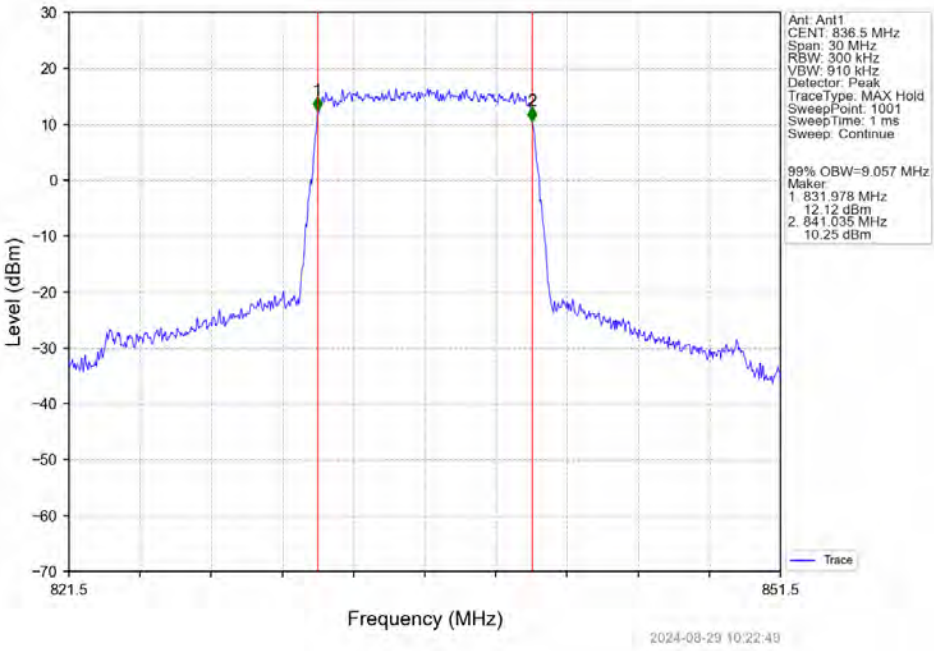
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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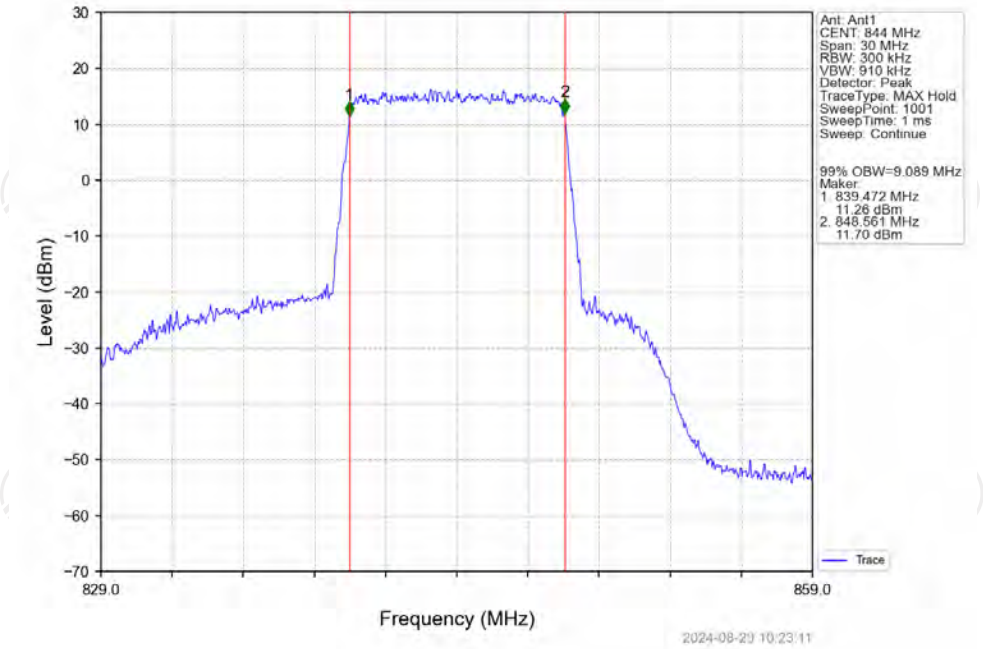
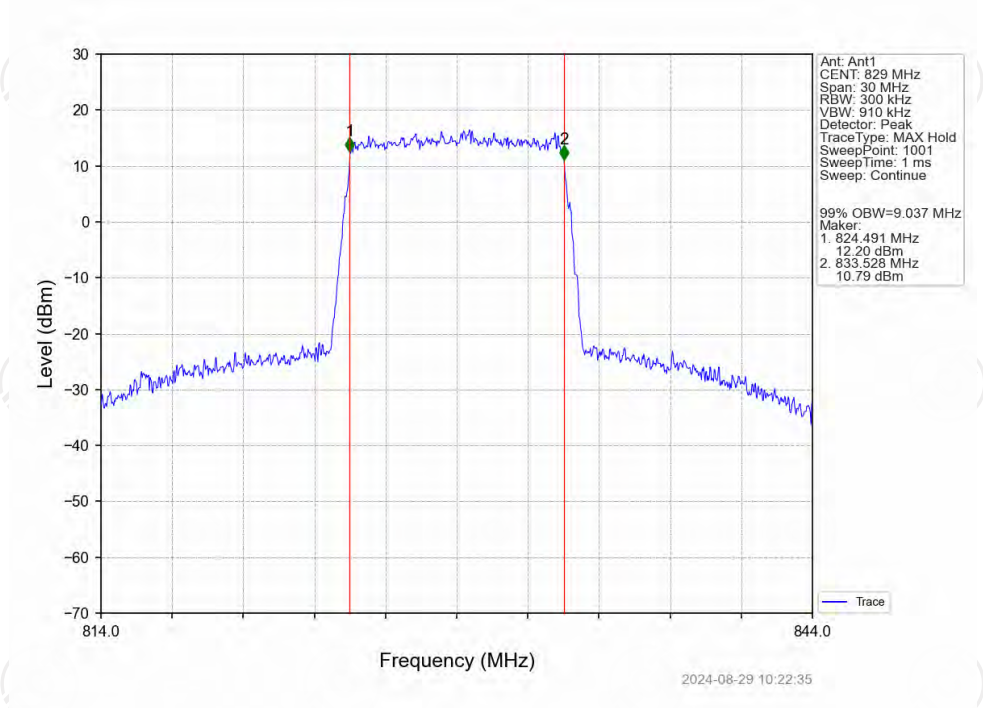
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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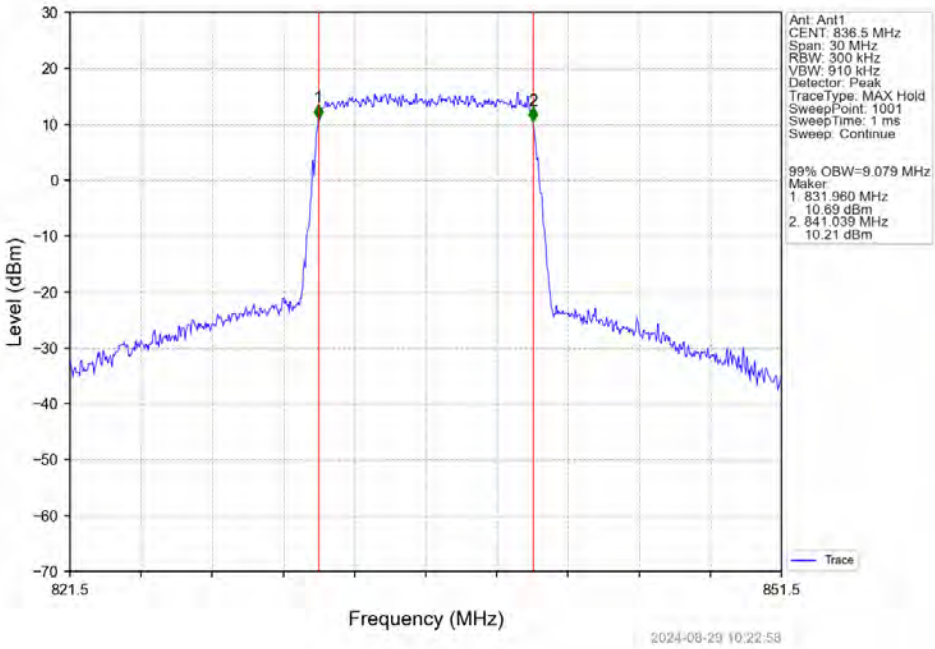
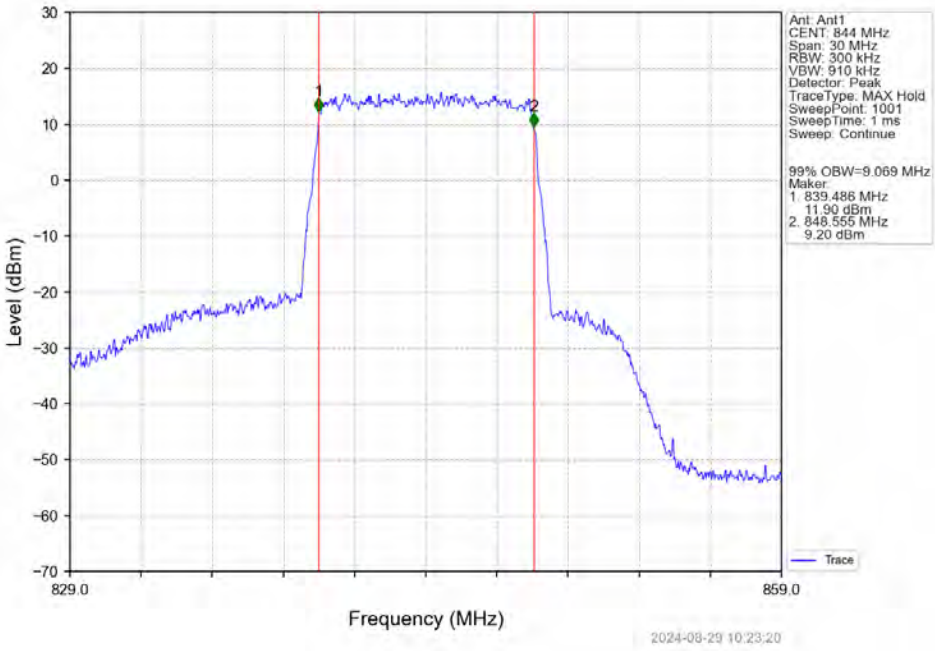
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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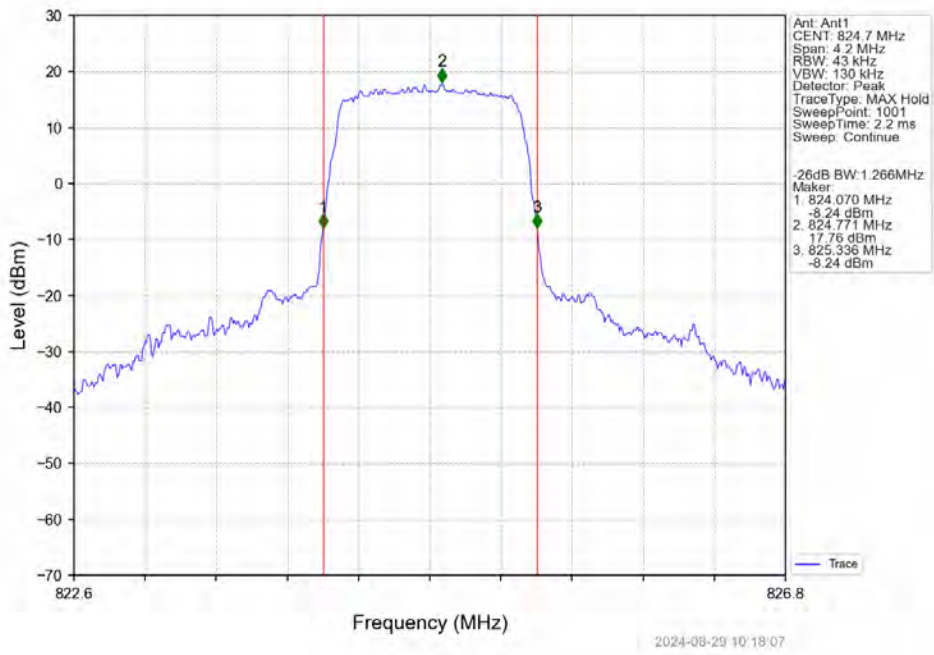
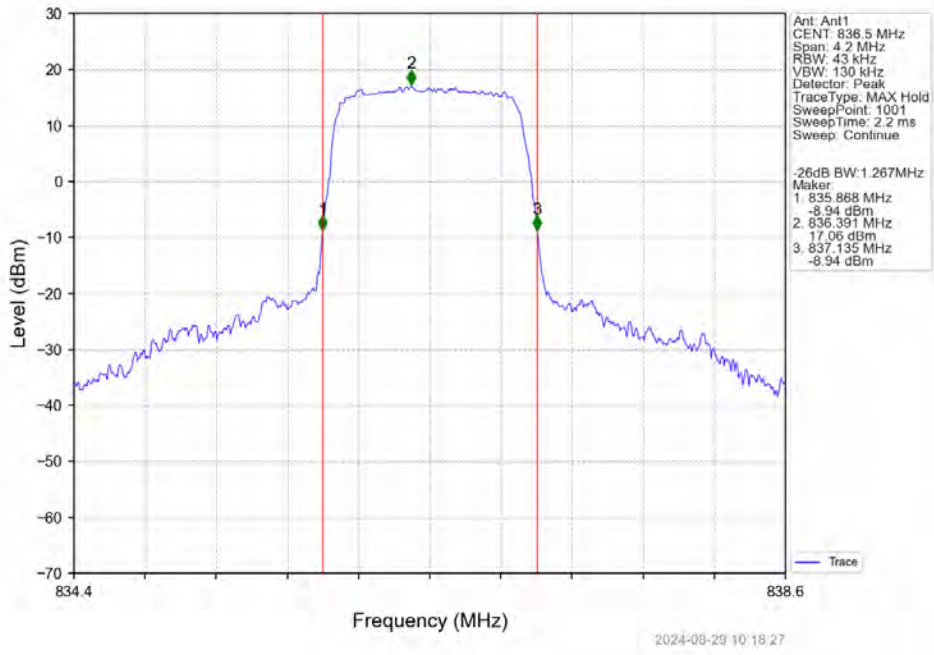
4.2.2 Band5_XDB

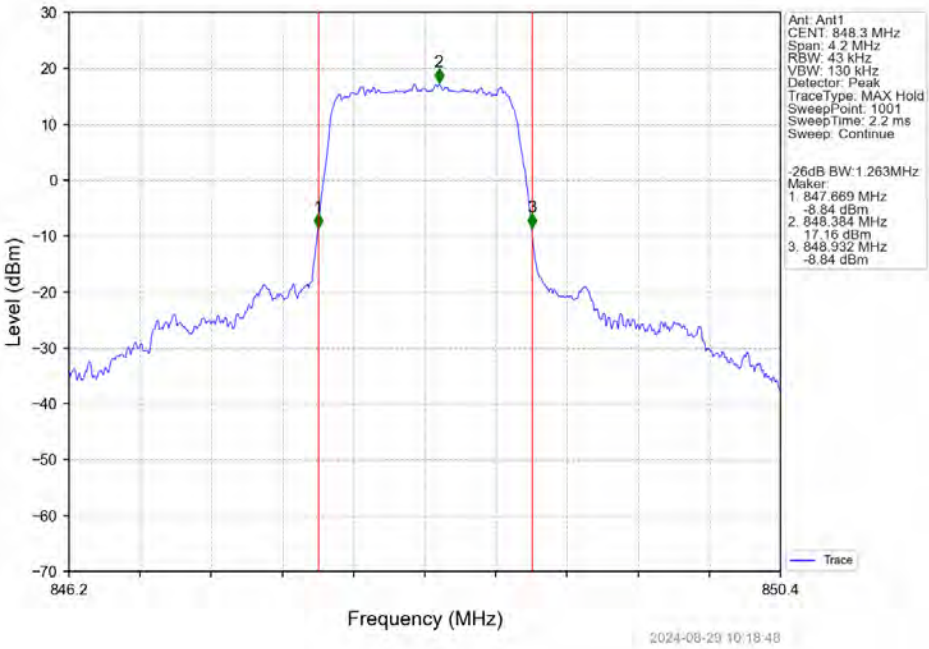
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



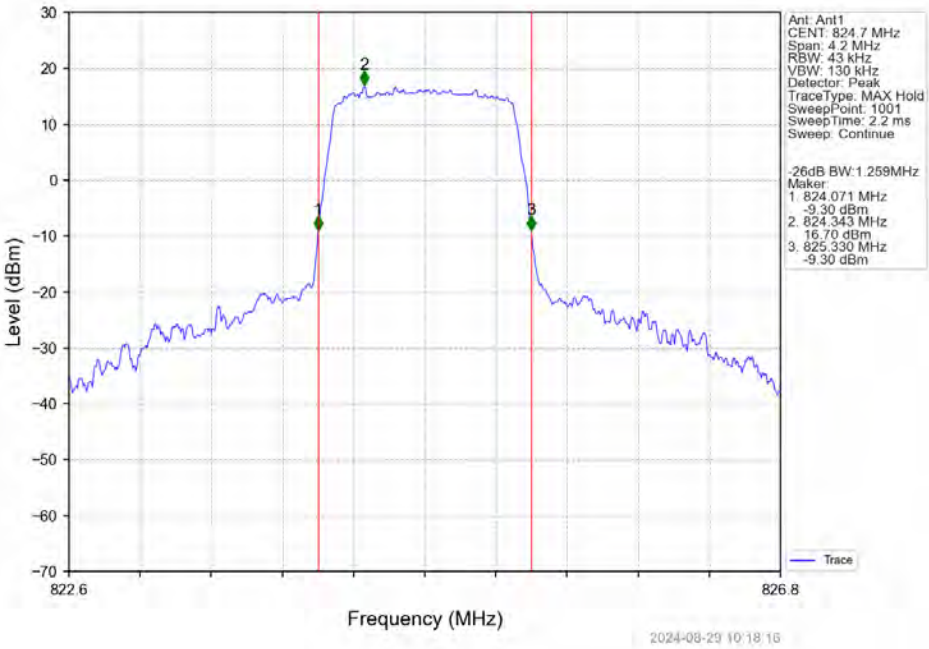
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



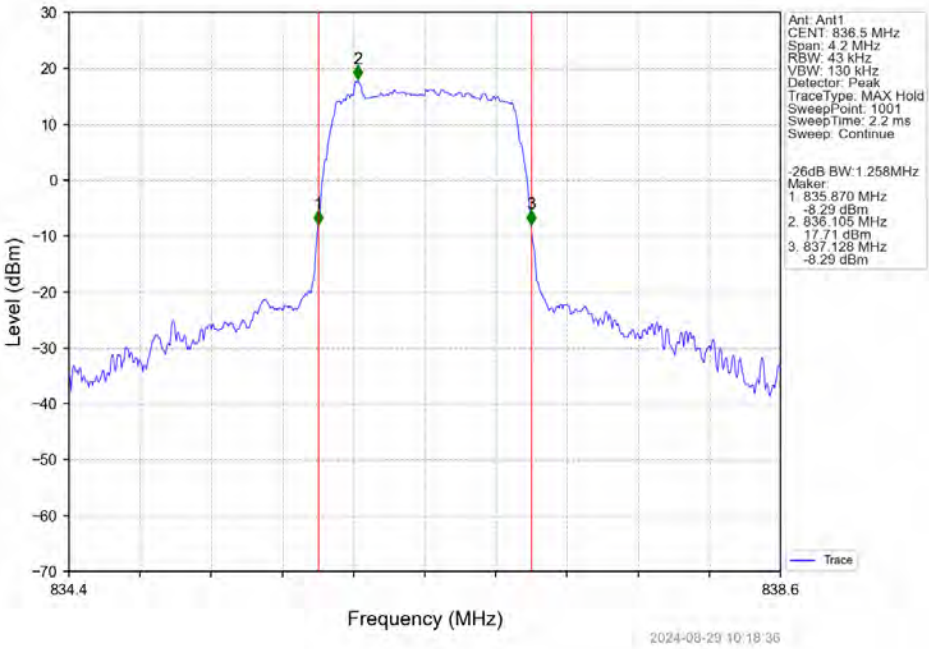
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



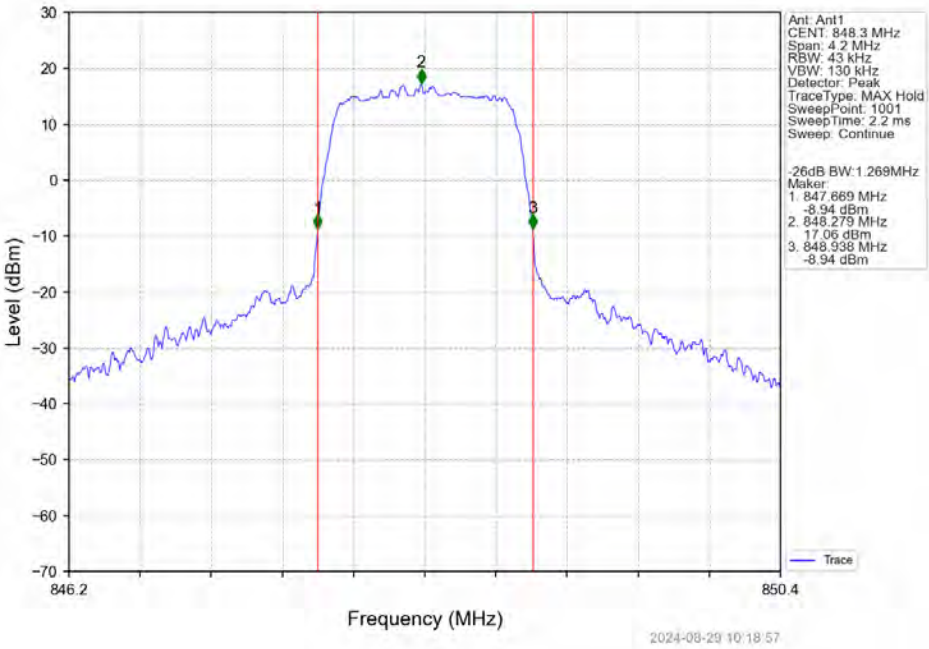
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



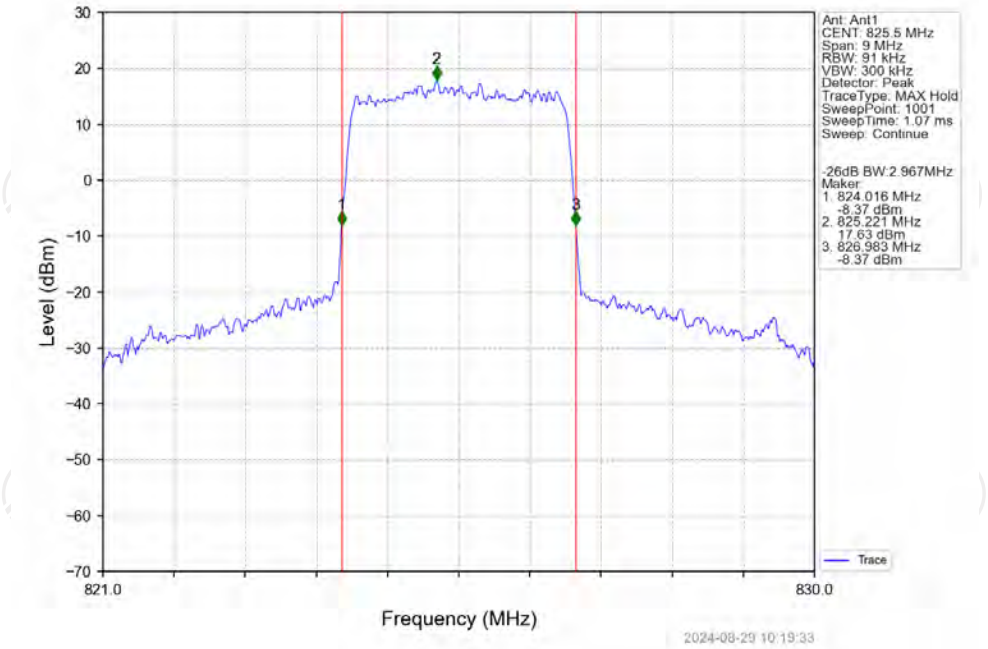
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



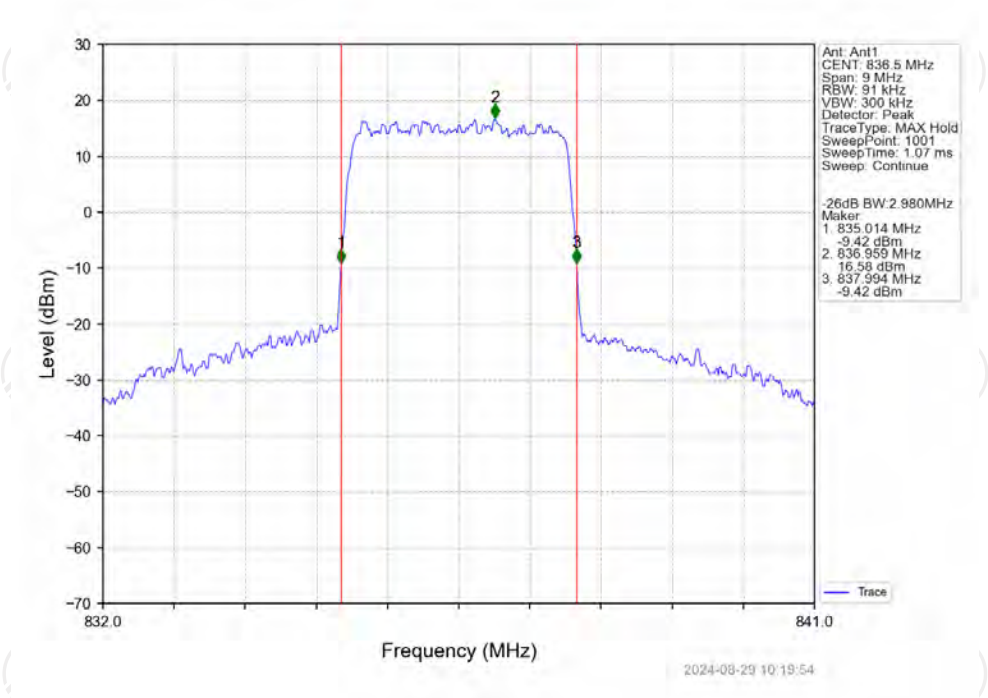
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



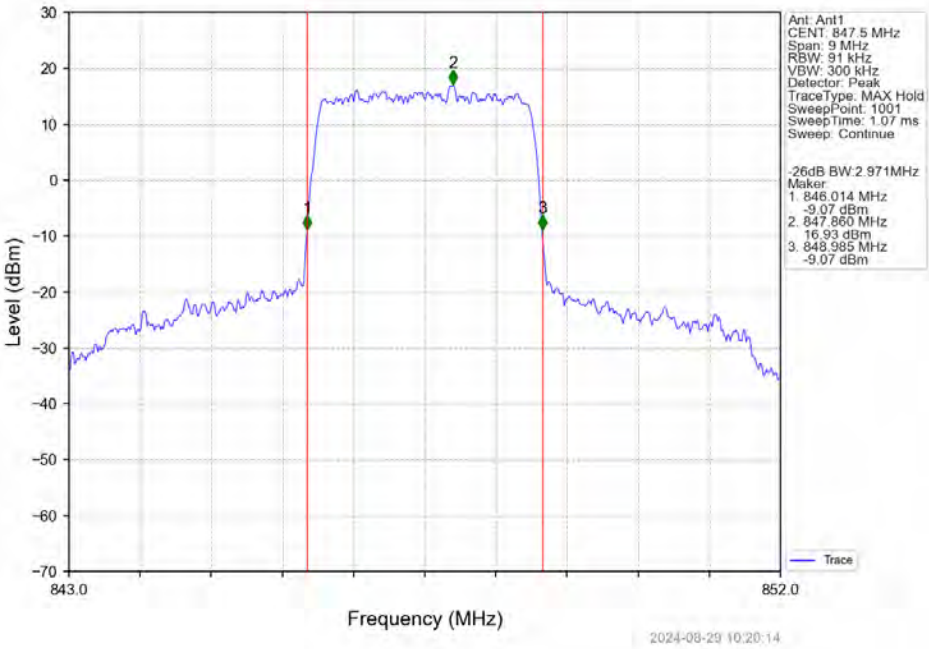
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



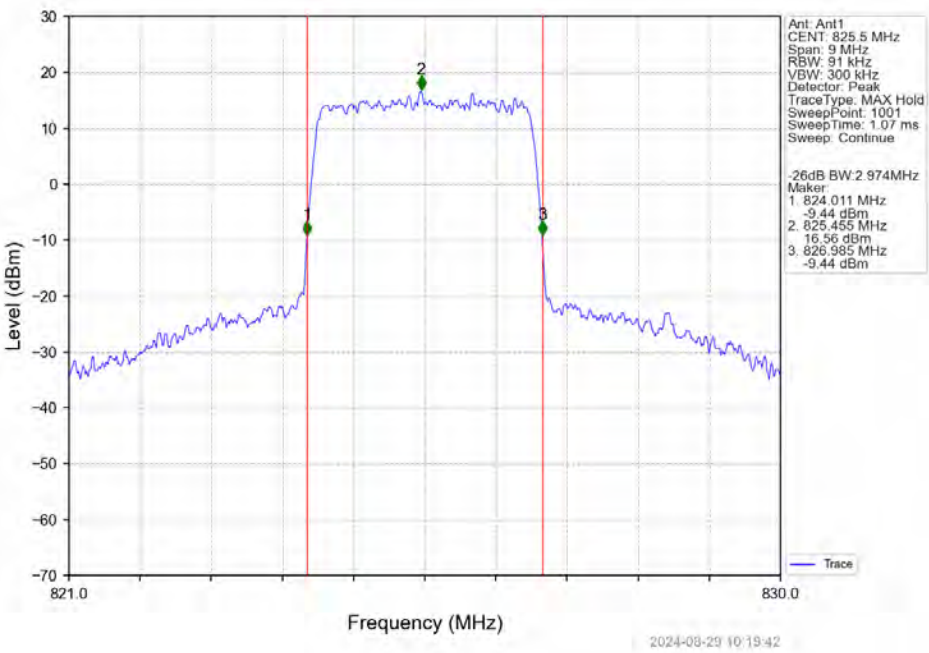
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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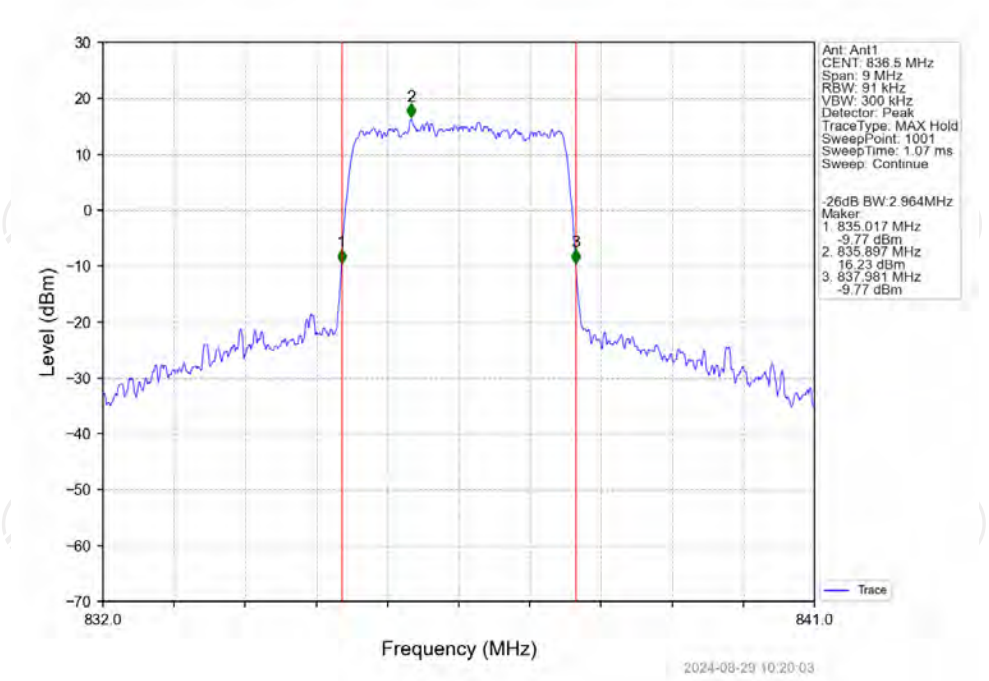
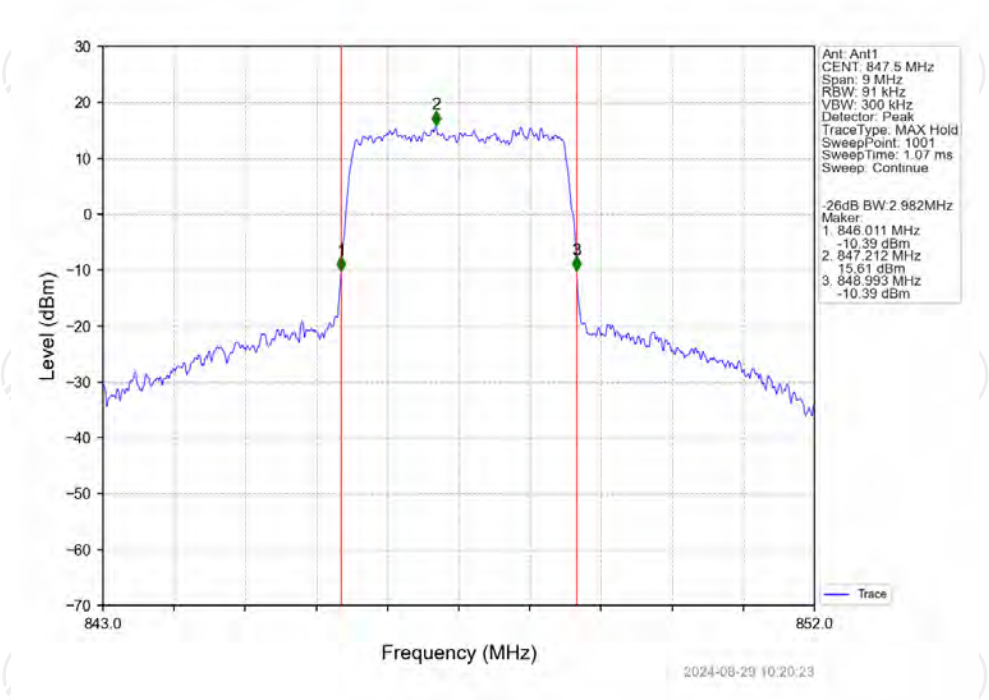
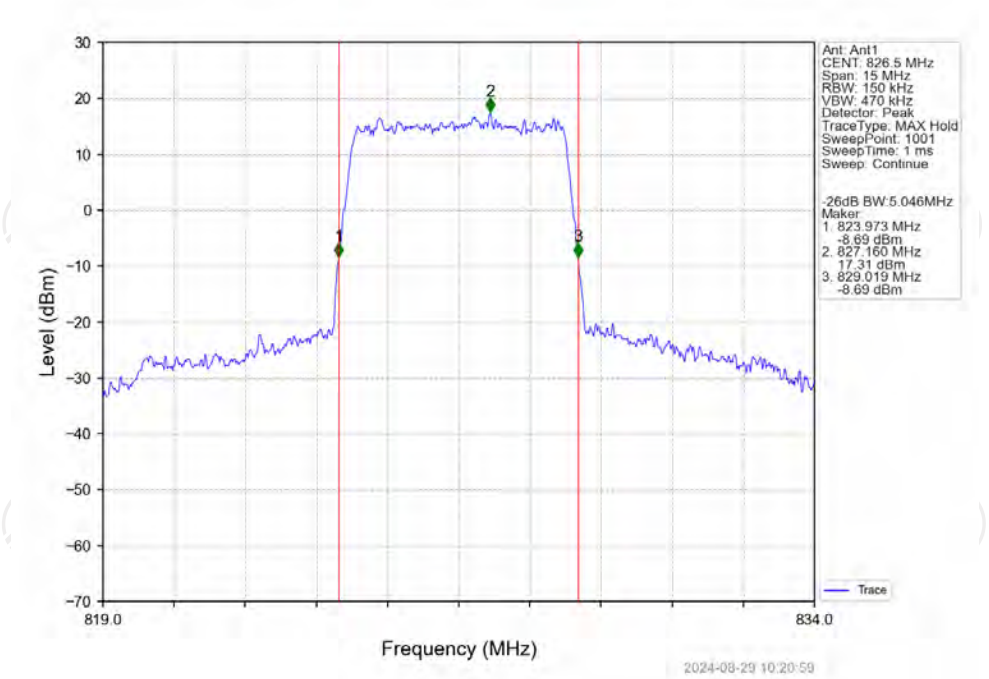
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



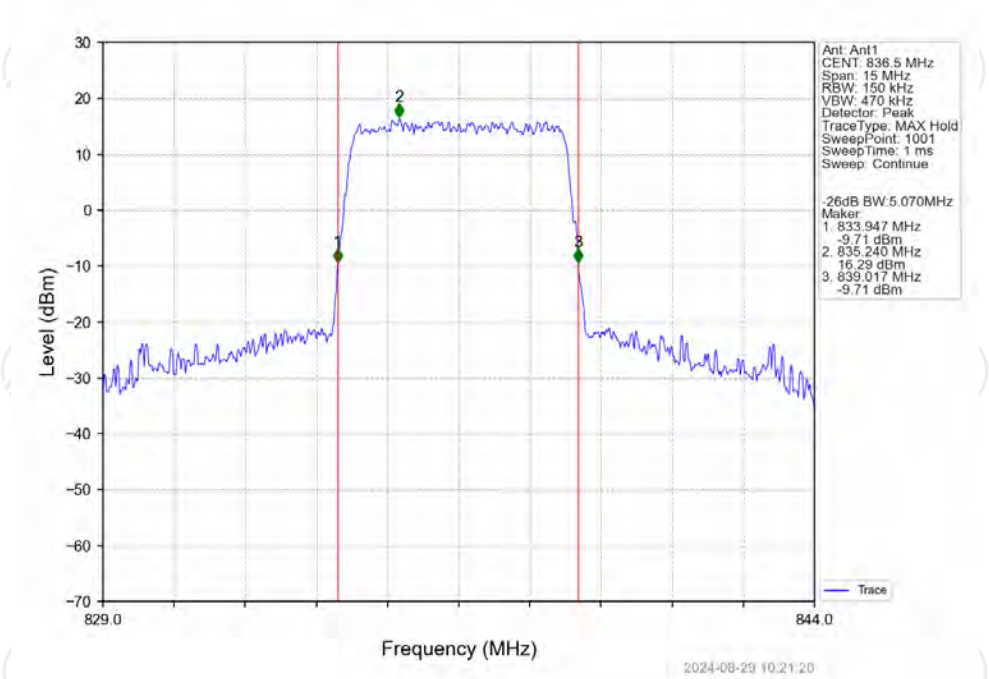
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



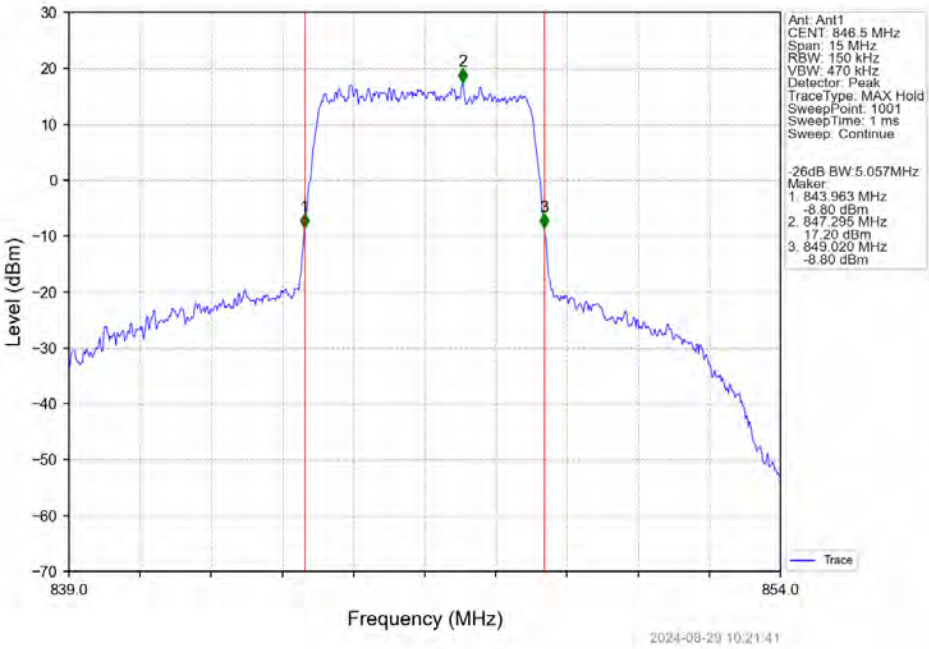
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



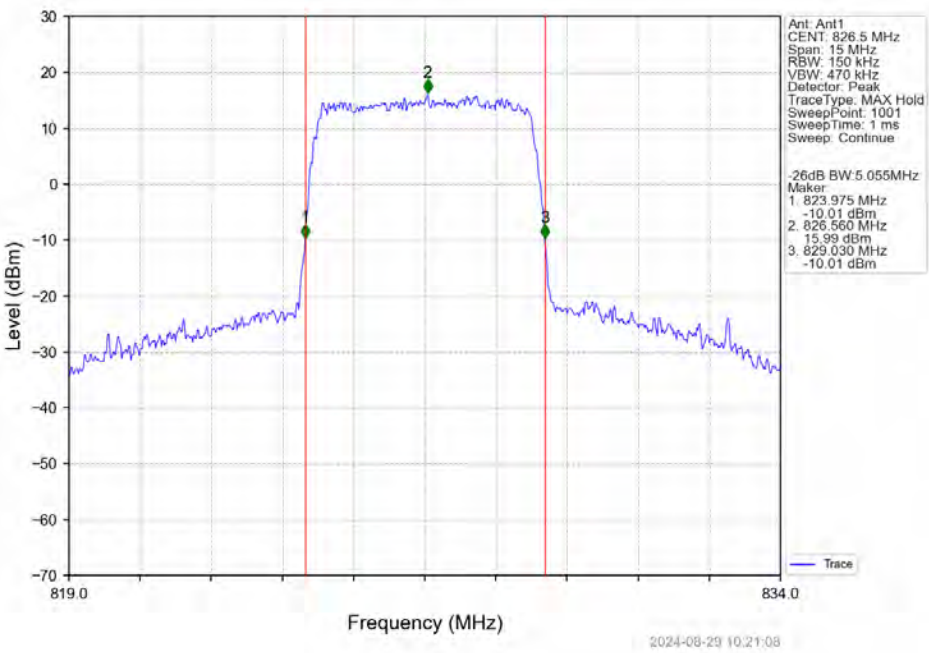
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



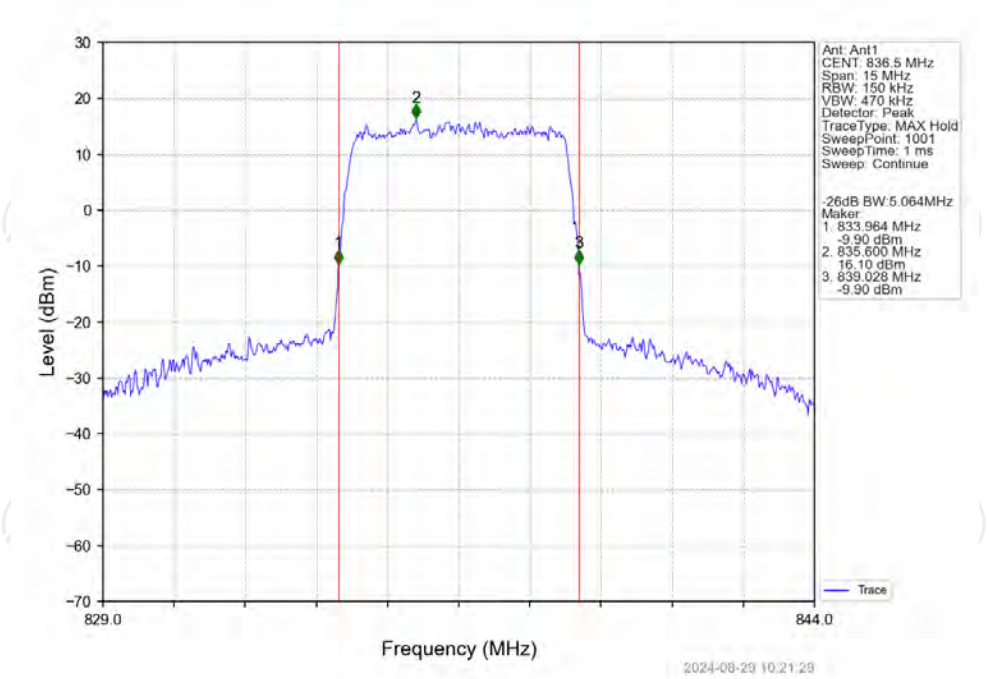
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



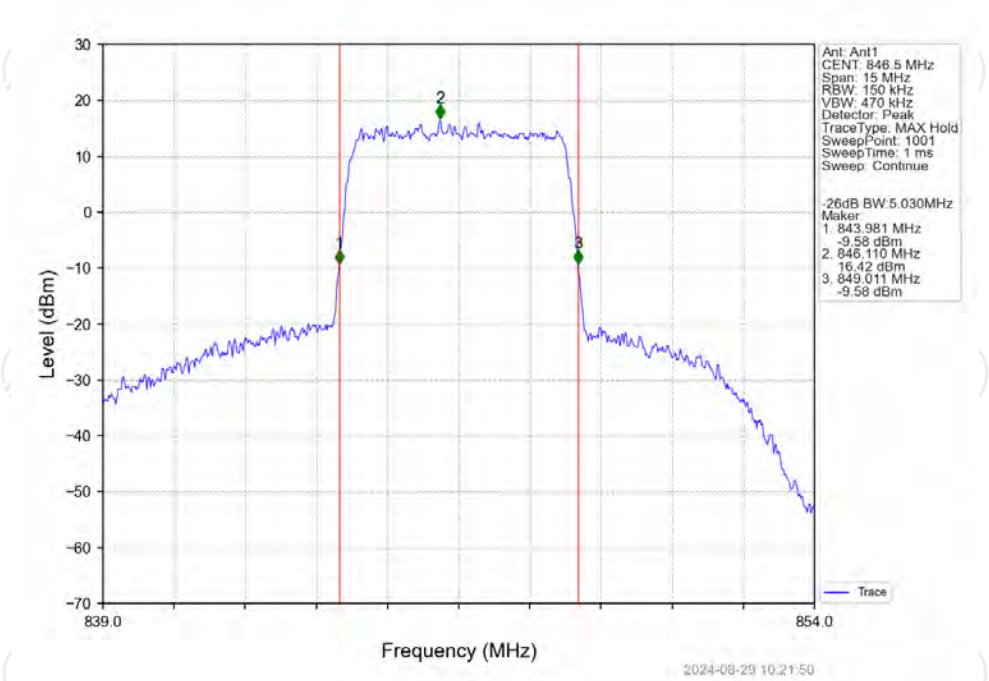
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



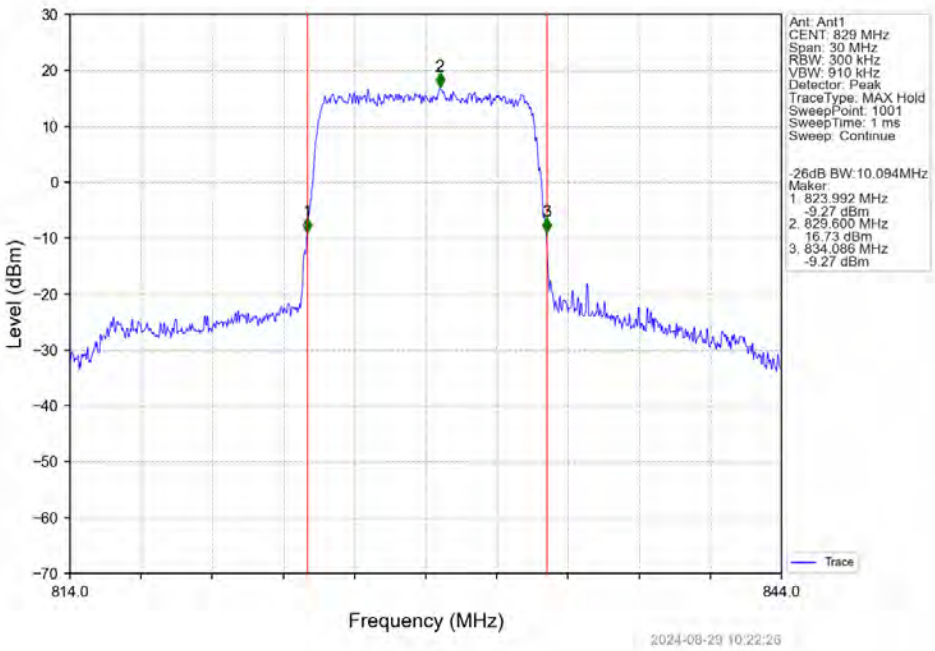
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



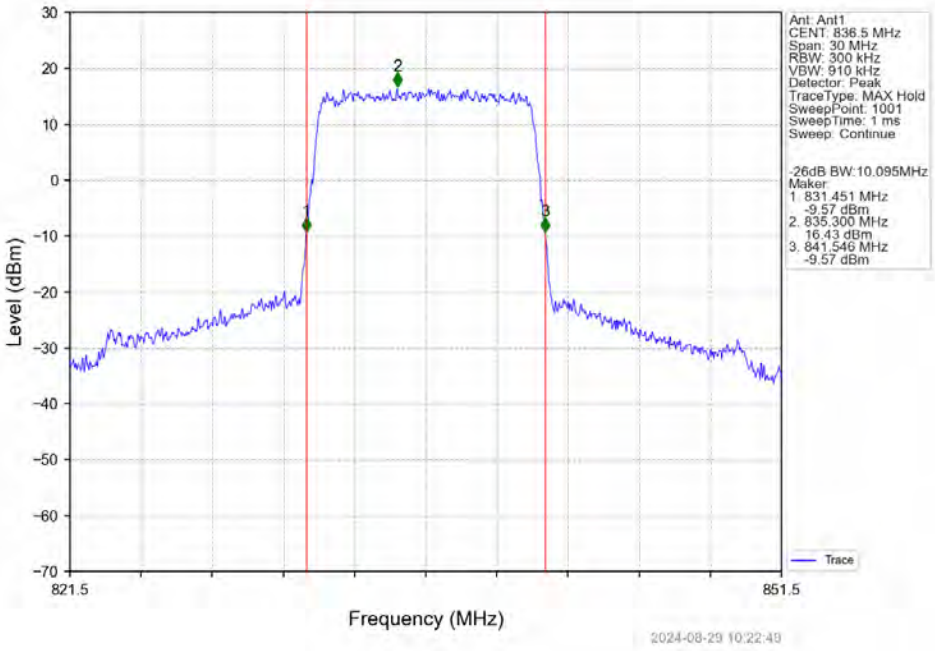
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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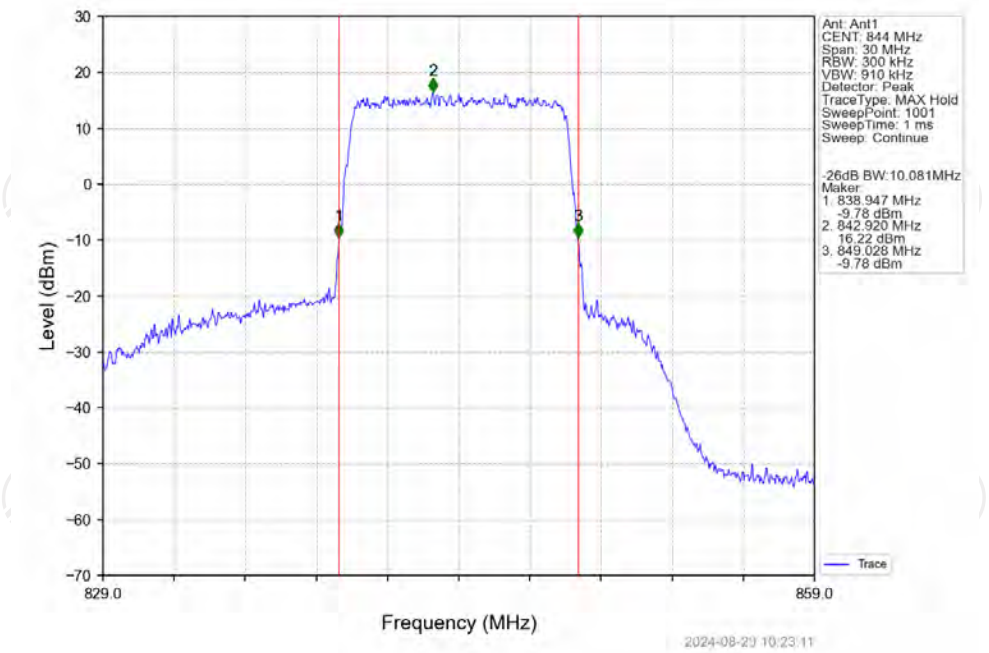
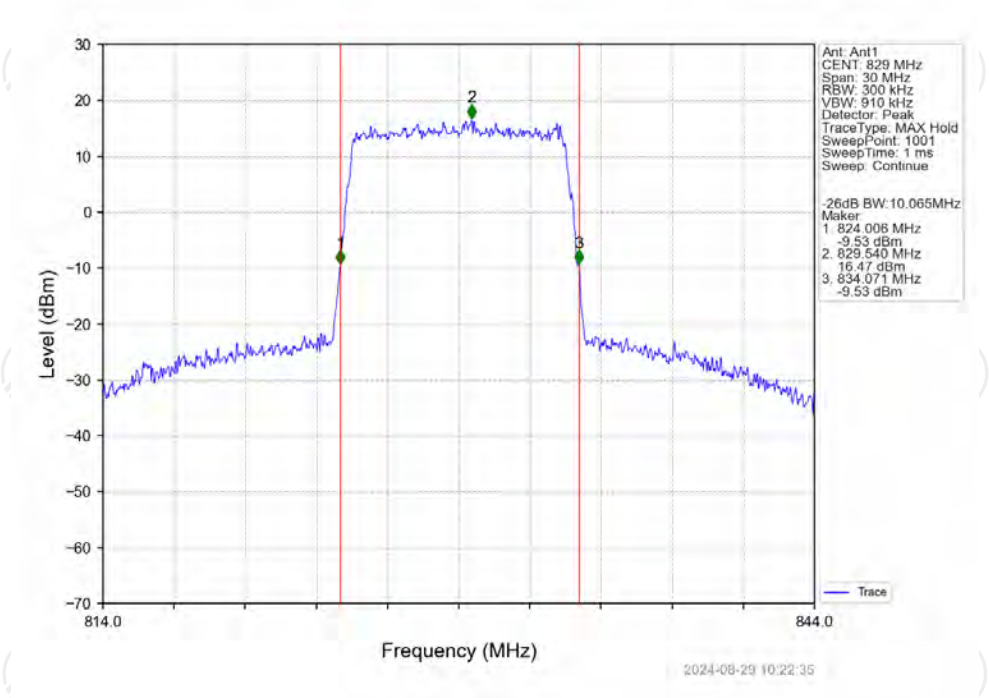
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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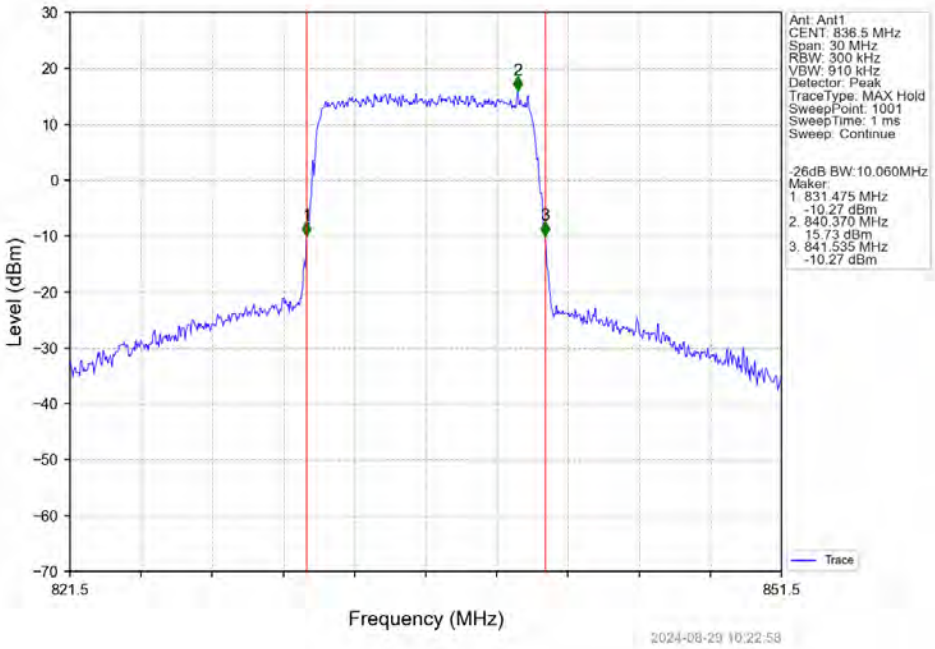
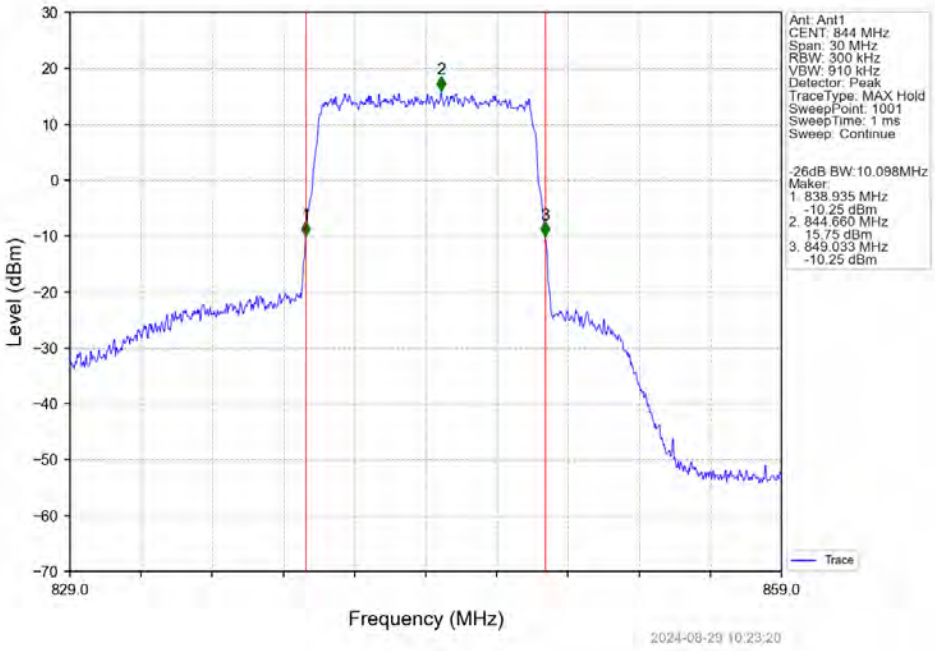
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



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	5.52	<=13	Pass
	836.5	6	0	5.50	<=13	Pass
	848.3	6	0	5.62	<=13	Pass
16QAM	824.7	6	0	6.45	<=13	Pass
	836.5	6	0	6.32	<=13	Pass
	848.3	6	0	6.43	<=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	5.59	<=13	Pass
	836.5	15	0	5.56	<=13	Pass
	847.5	15	0	5.83	<=13	Pass
16QAM	825.5	15	0	6.40	<=13	Pass
	836.5	15	0	6.45	<=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	5.62	<=13	Pass
	836.5	25	0	5.70	<=13	Pass
	846.5	25	0	5.78	<=13	Pass
16QAM	826.5	25	0	6.42	<=13	Pass
	836.5	25	0	6.45	<=13	Pass
	846.5	25	0	6.48	<=13	Pass

5.1.4 B5_10MHz

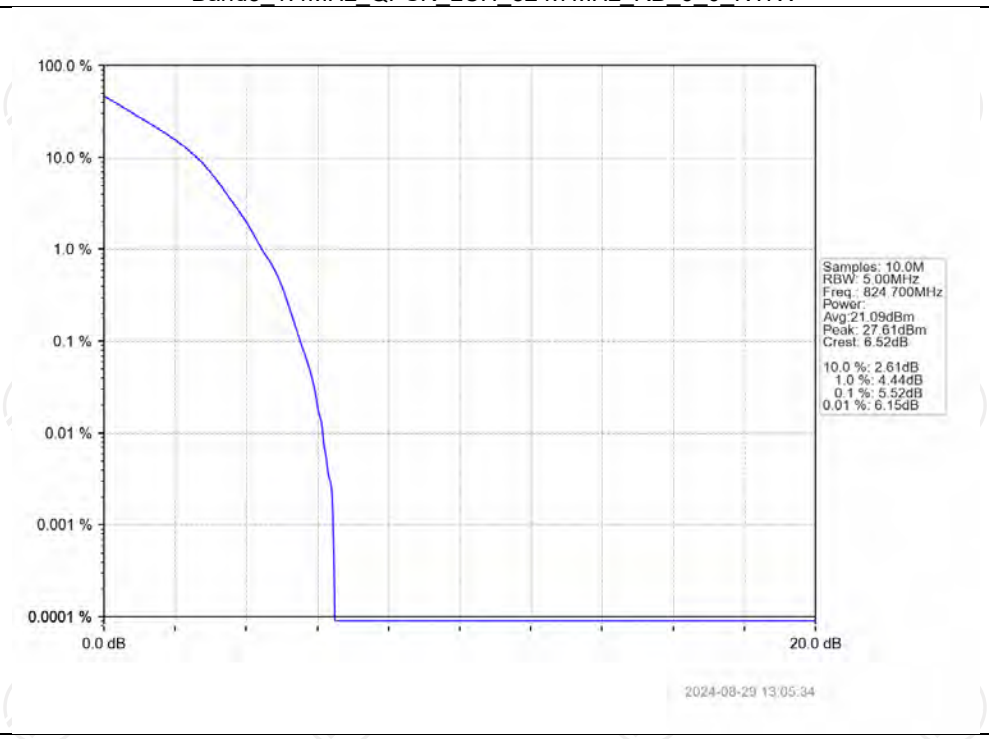
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.57	<=13	Pass
	836.5	50	0	5.63	<=13	Pass
	844	50	0	5.72	<=13	Pass
16QAM	829	50	0	6.34	<=13	Pass
	836.5	50	0	6.44	<=13	Pass

	844	50	0	6.46	<=13	Pass

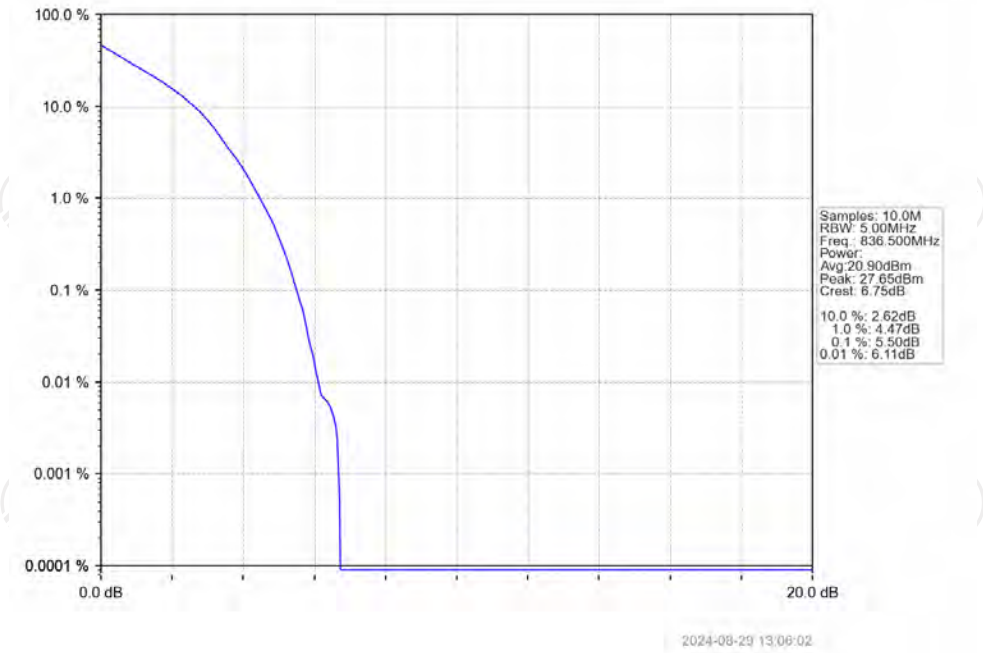
5.2 Test Graph

5.2.1 B5_1.4MHz

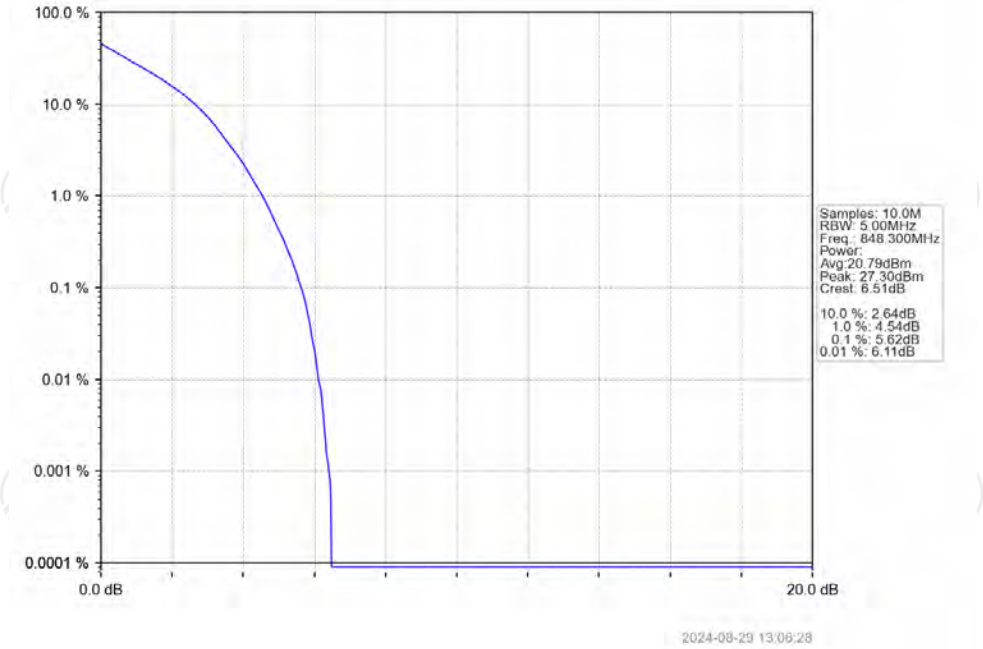
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



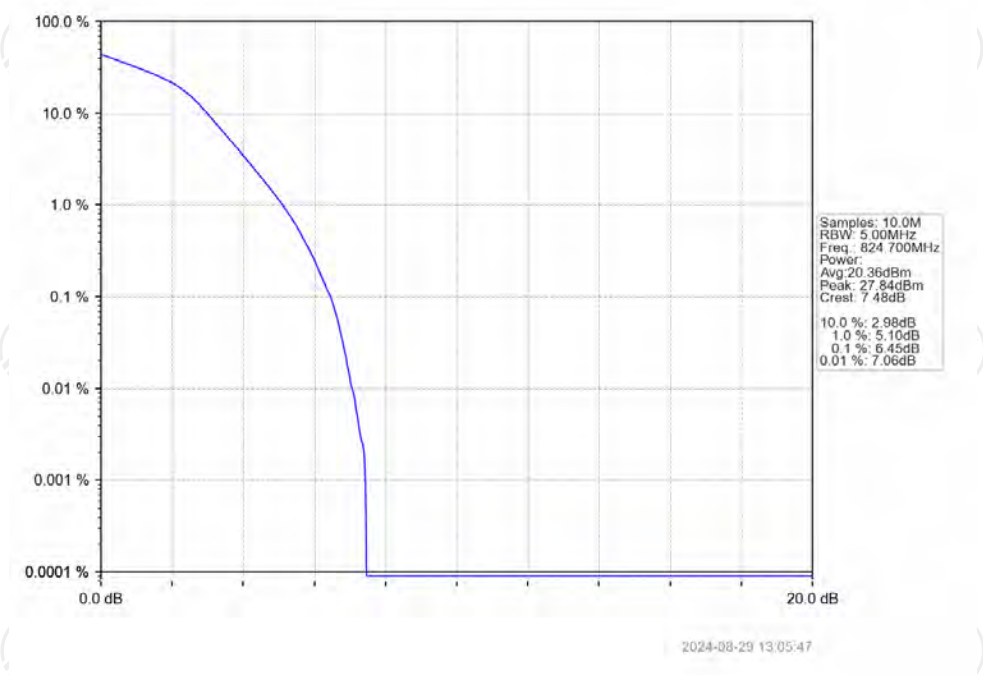
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



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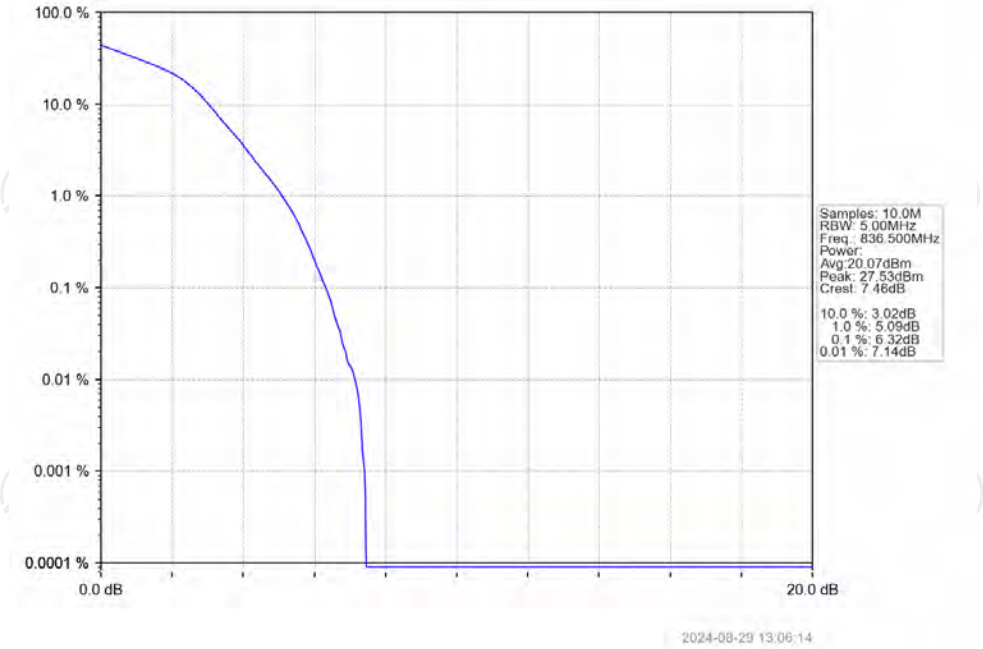
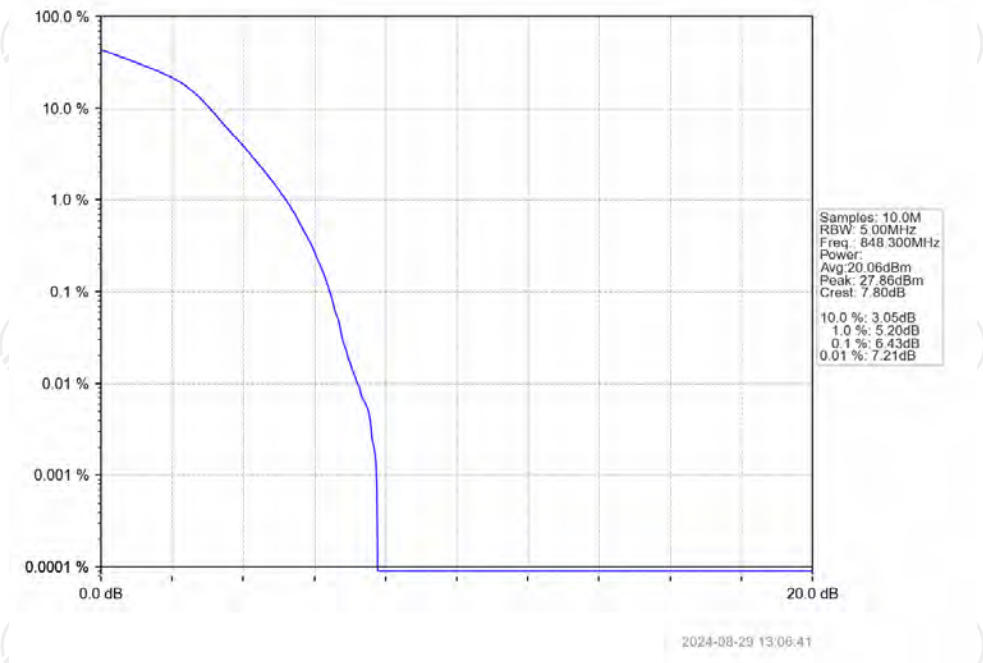
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

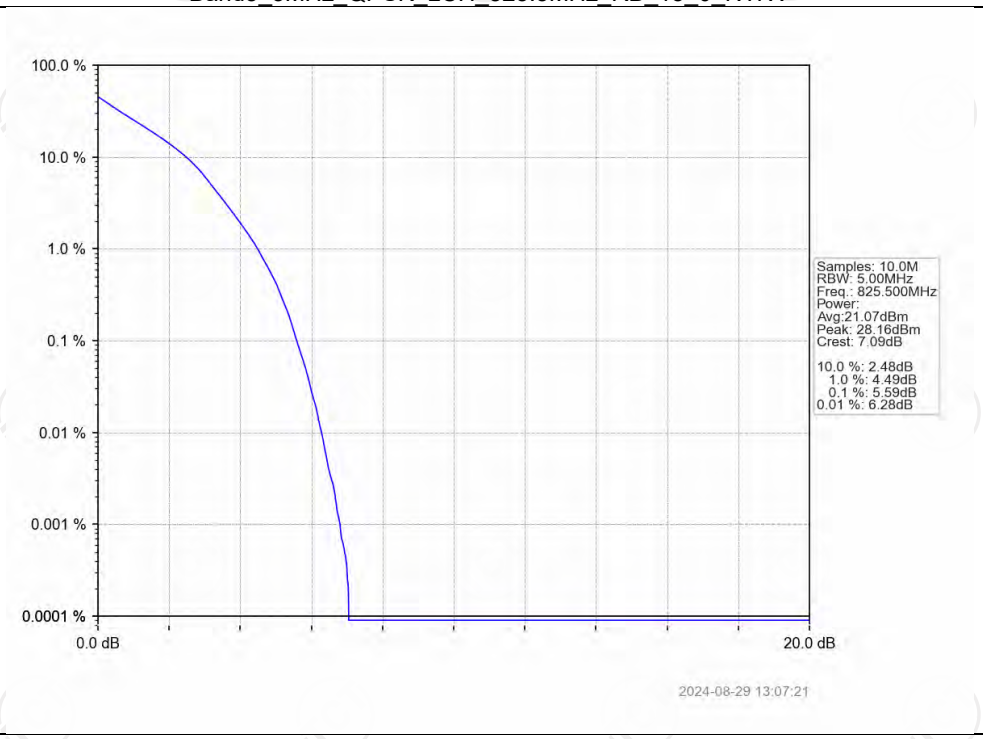


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

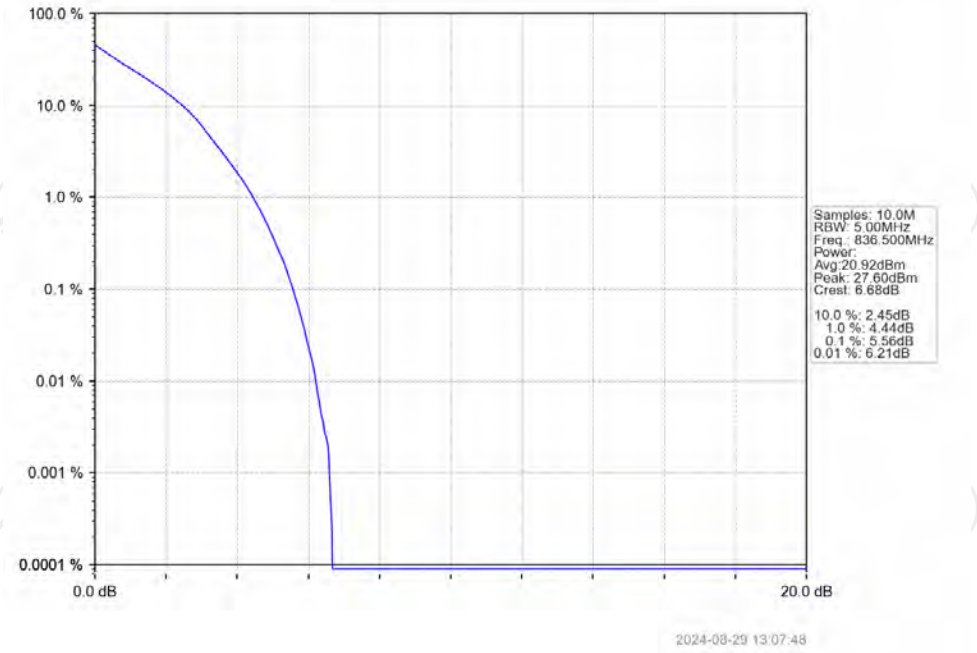


5.2.2 B5_3MHz

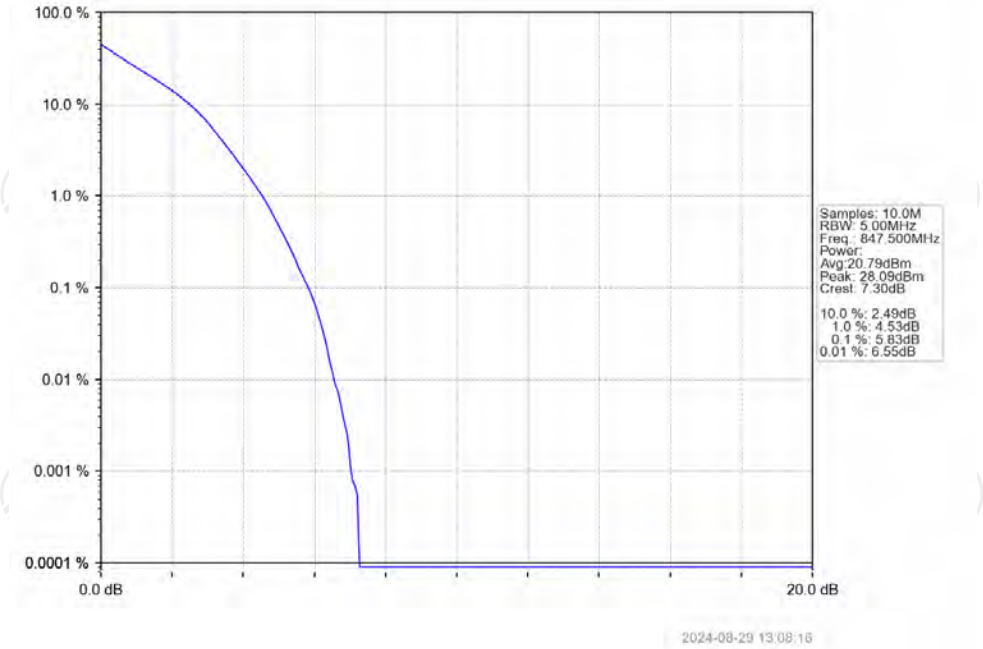
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



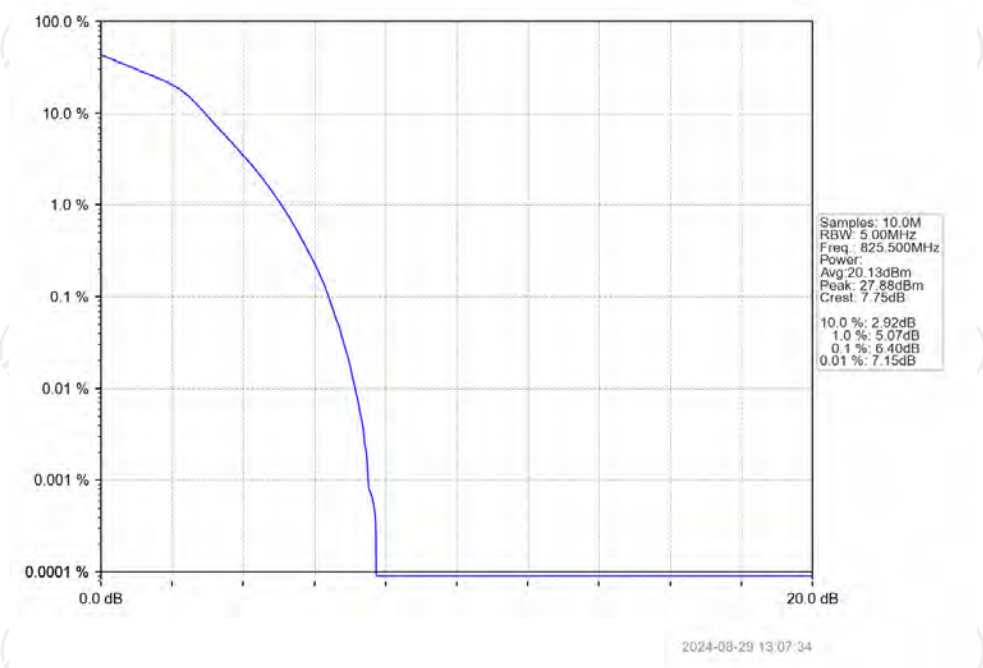
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



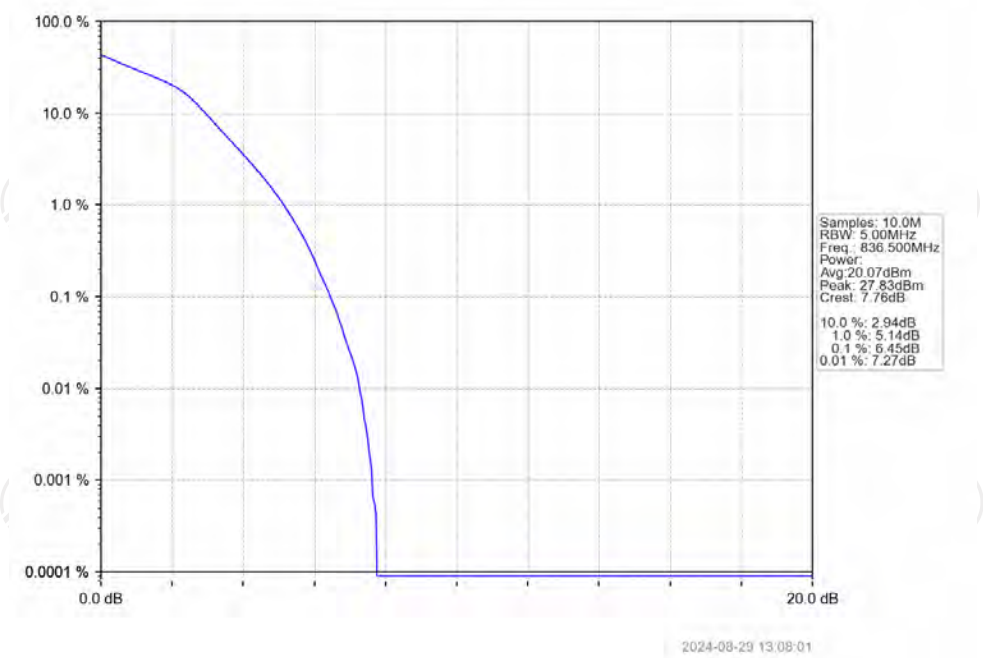
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



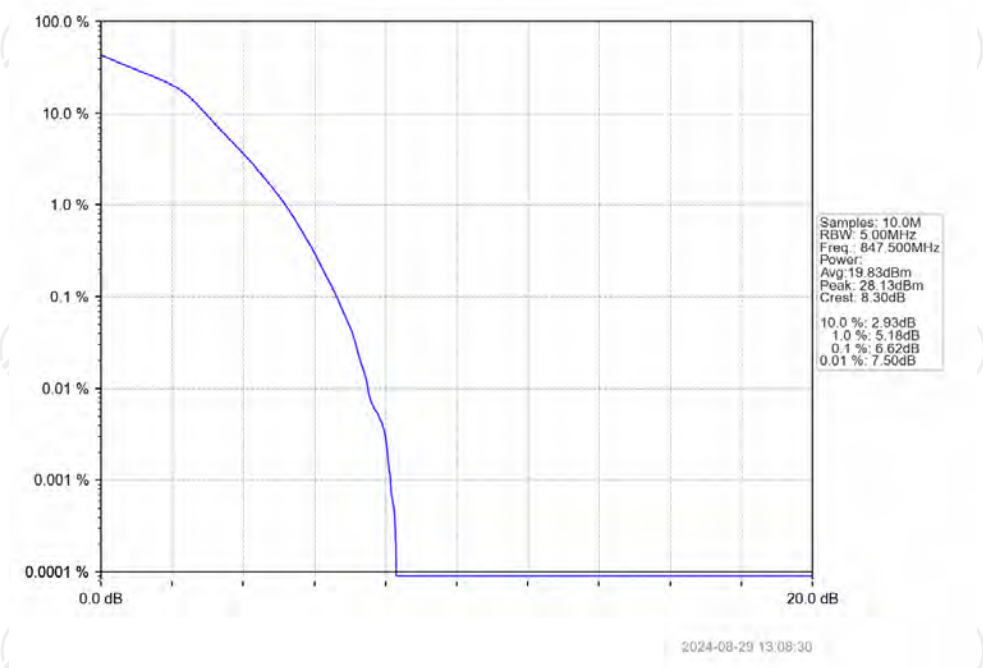
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



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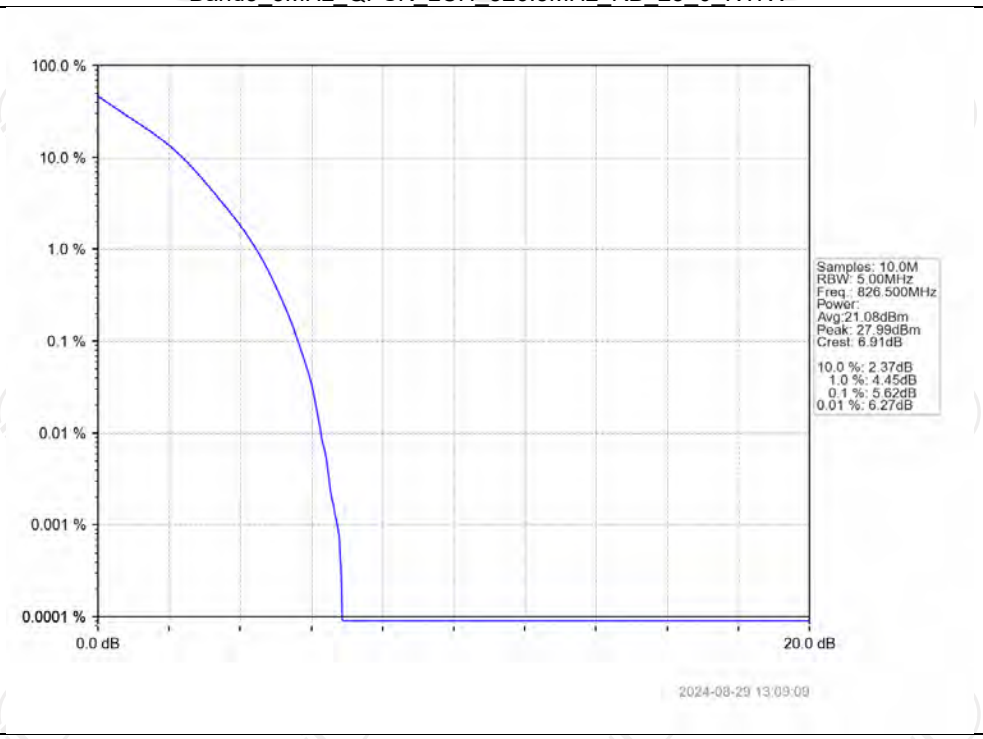
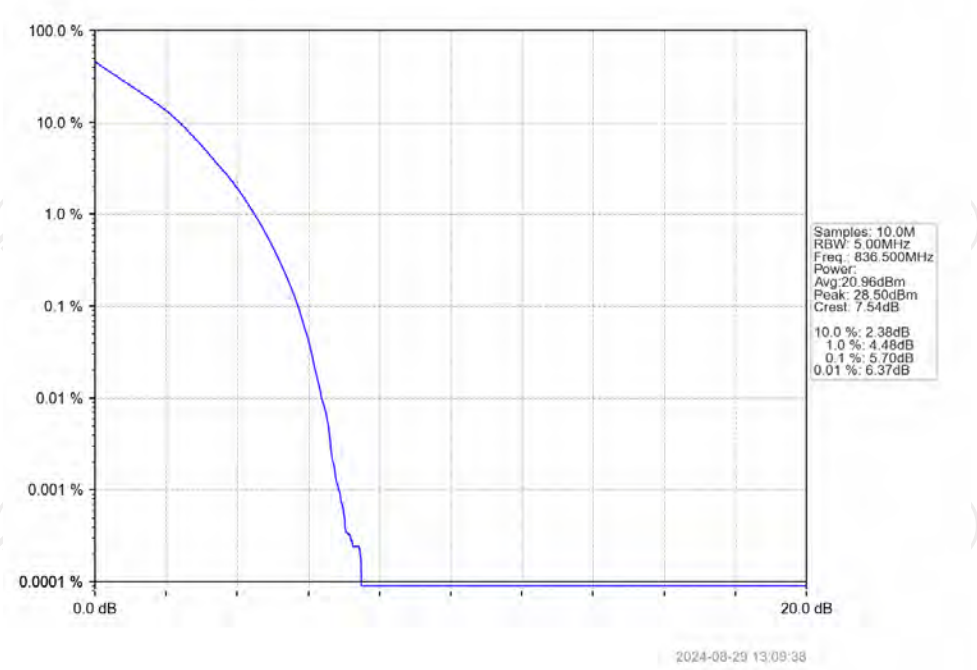
5.2.3 B5_5MHz

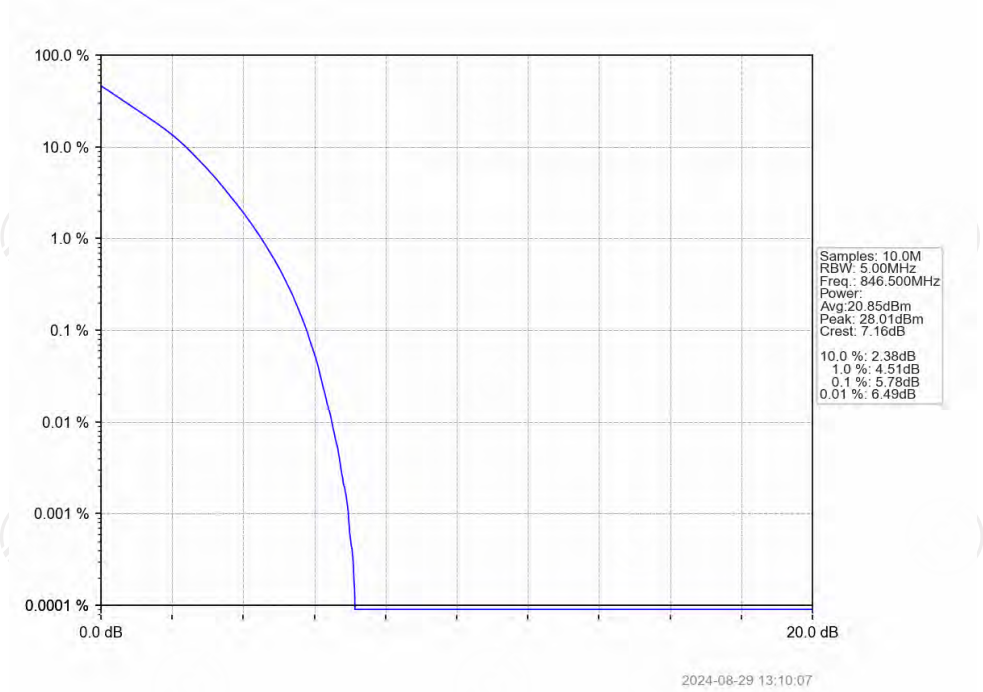
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



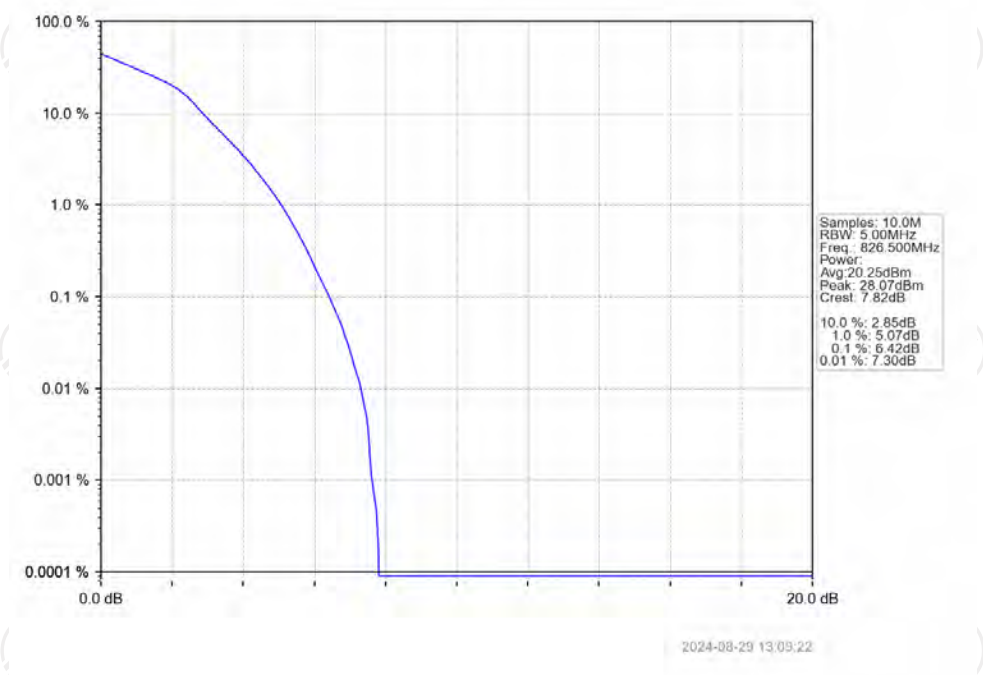
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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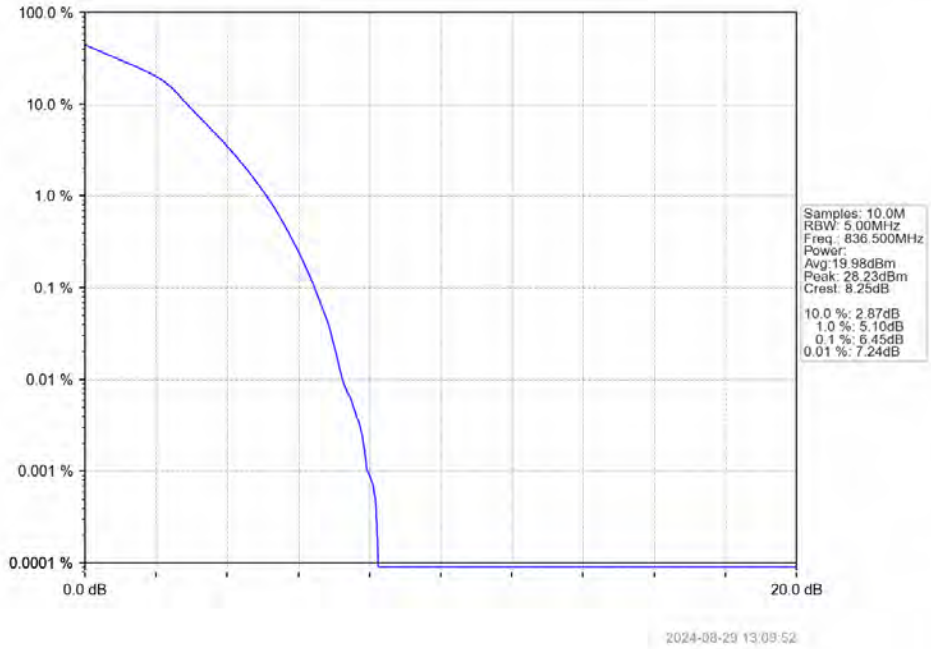
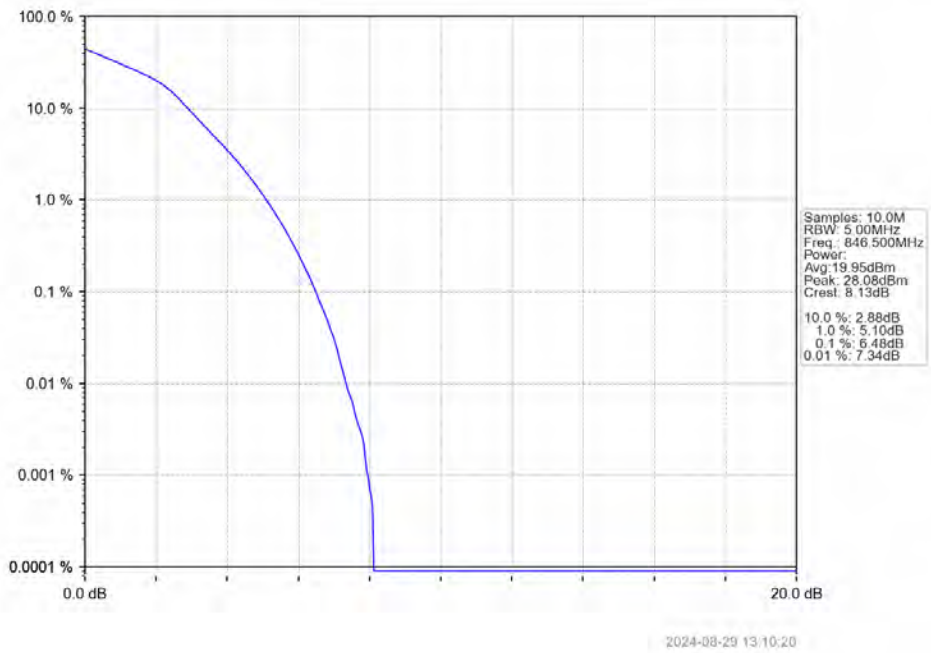
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

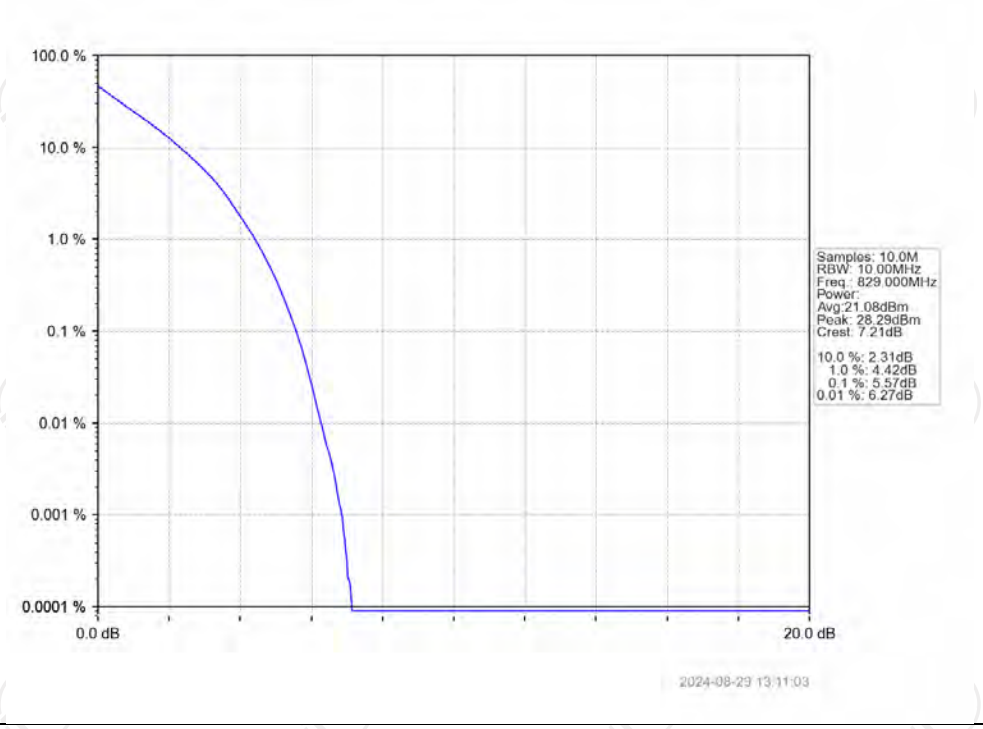


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

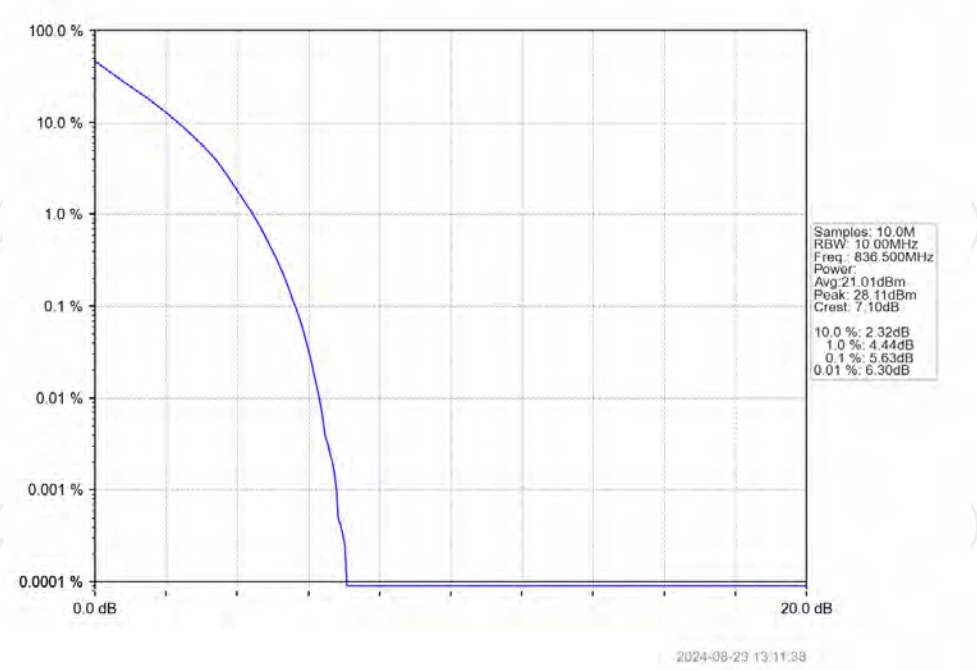


5.2.4 B5_10MHz

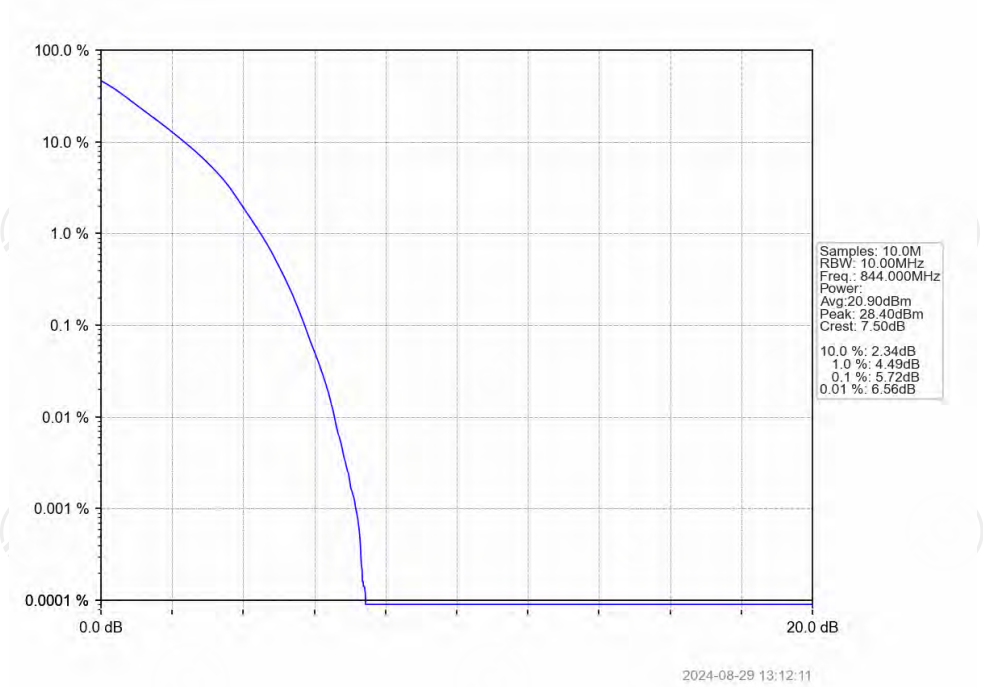
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



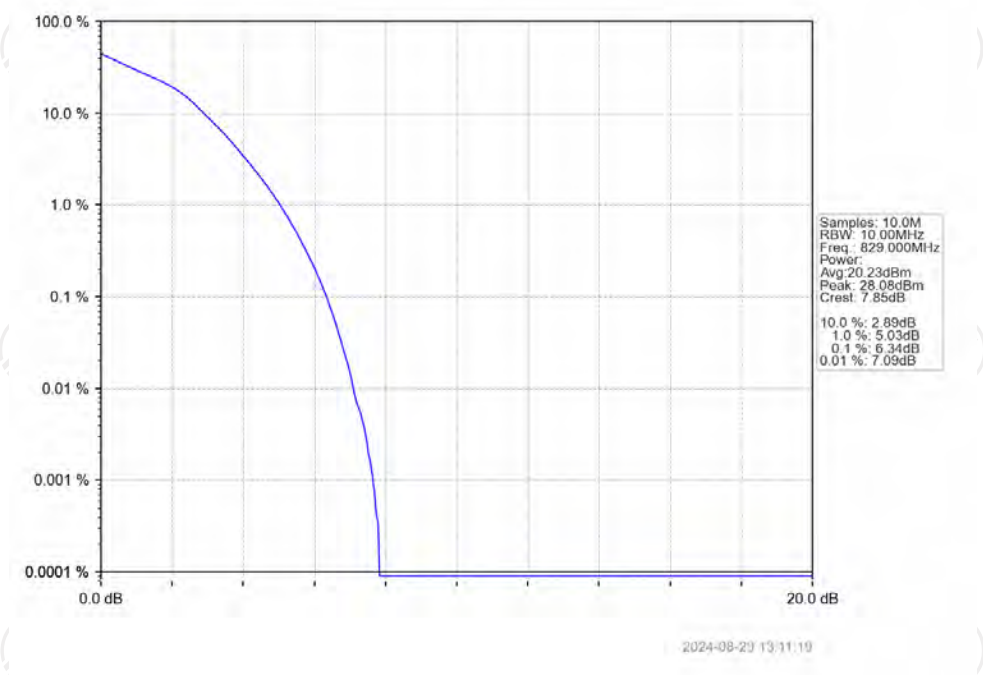
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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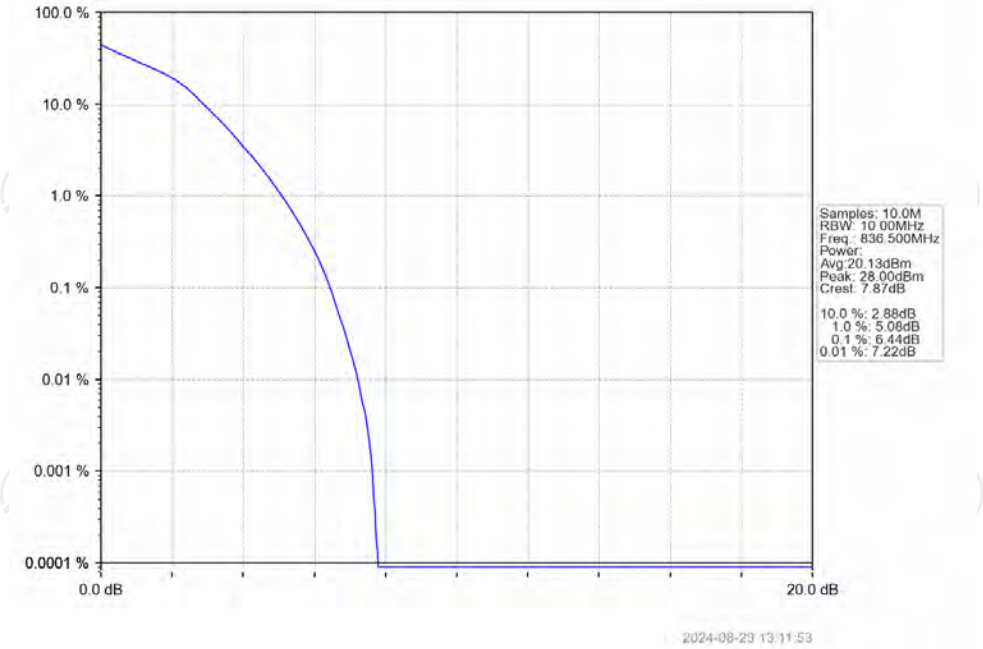
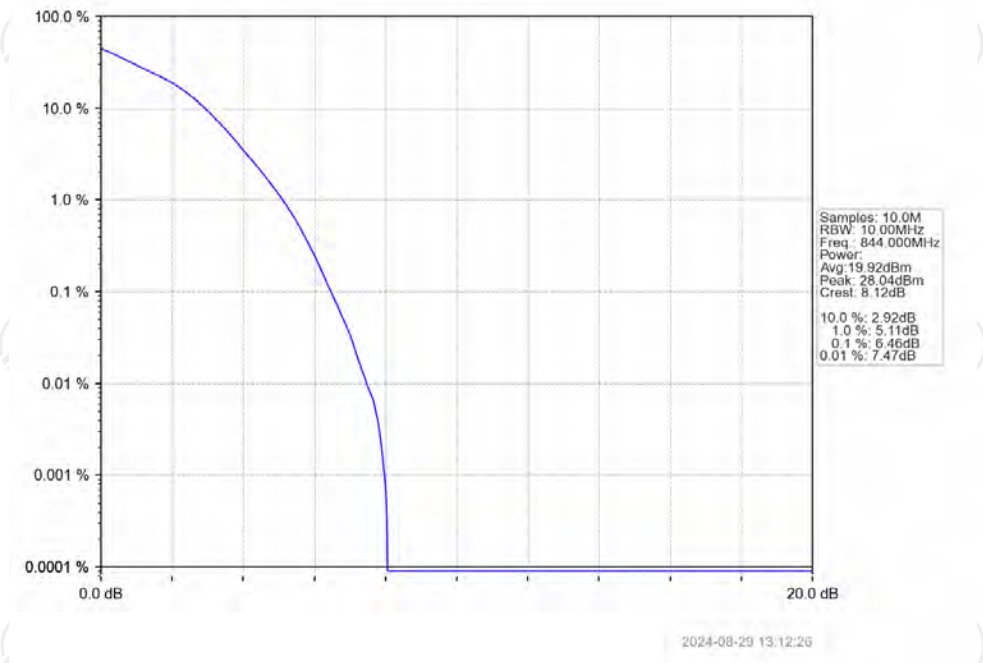
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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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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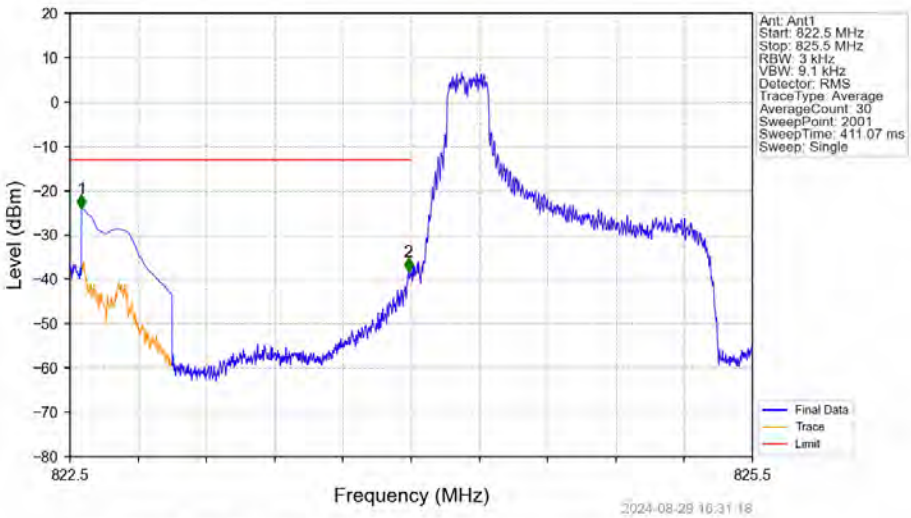
6.2 Test Graph

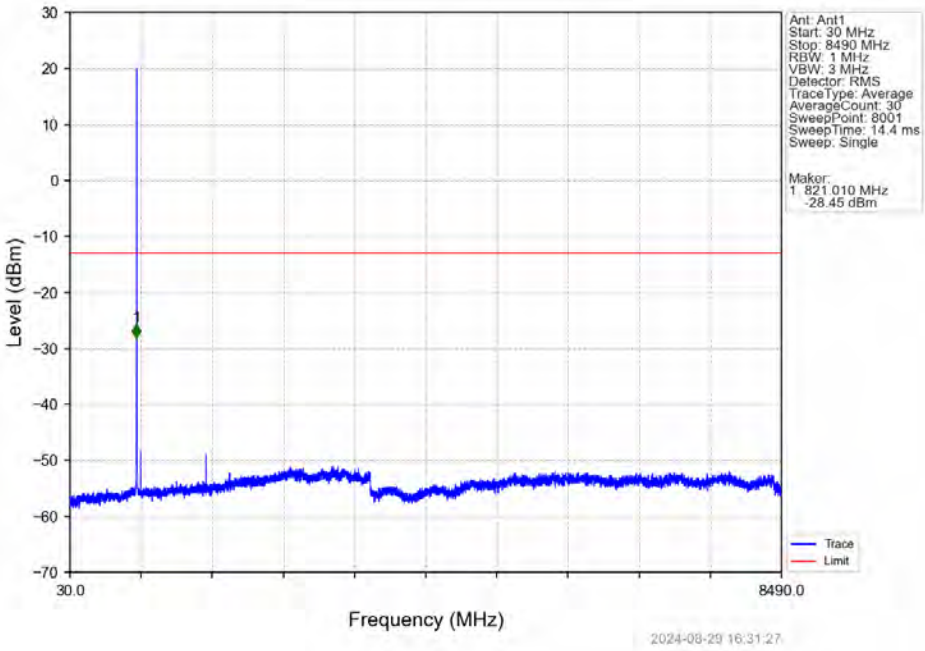
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

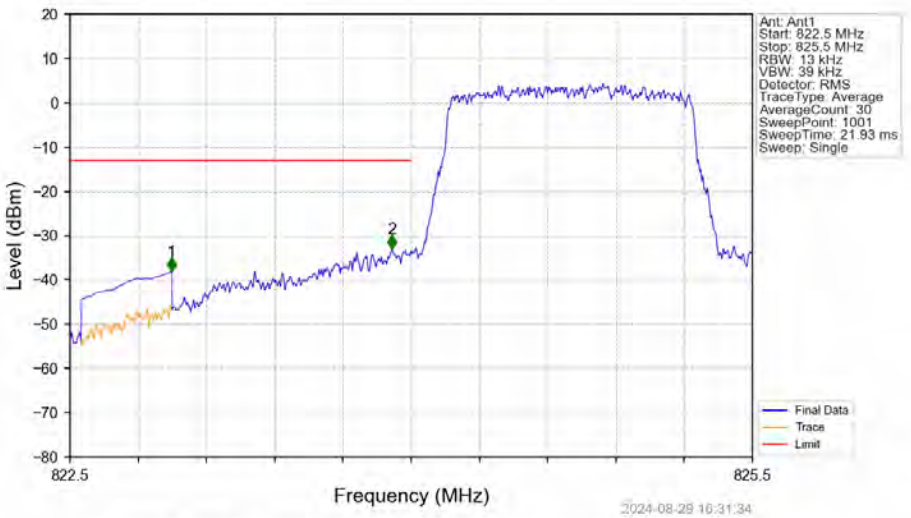


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-23.94	-13	Pass
823	824	0.003	/	2	823.988	-38.30	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

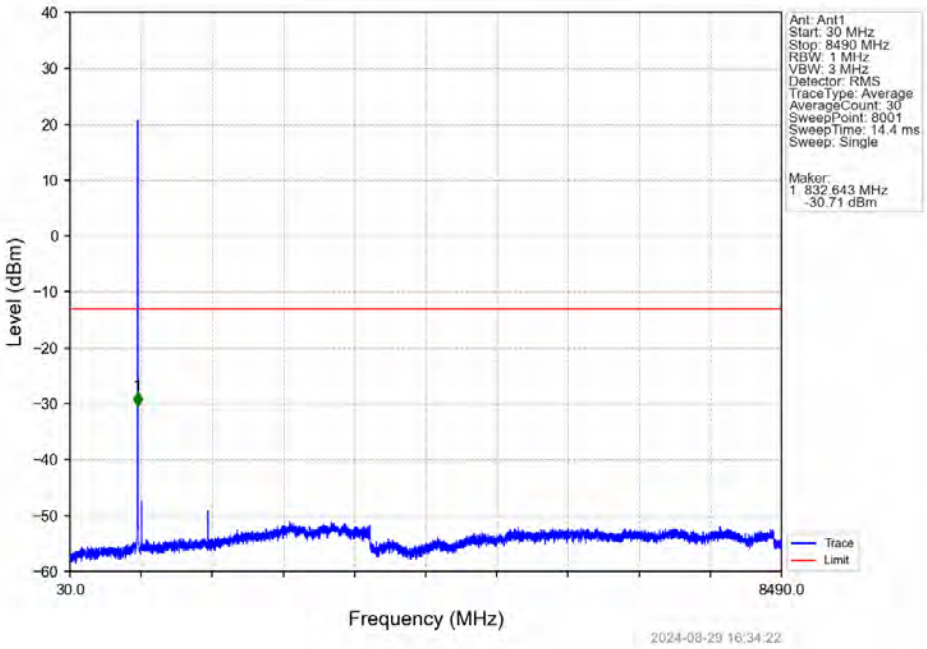


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

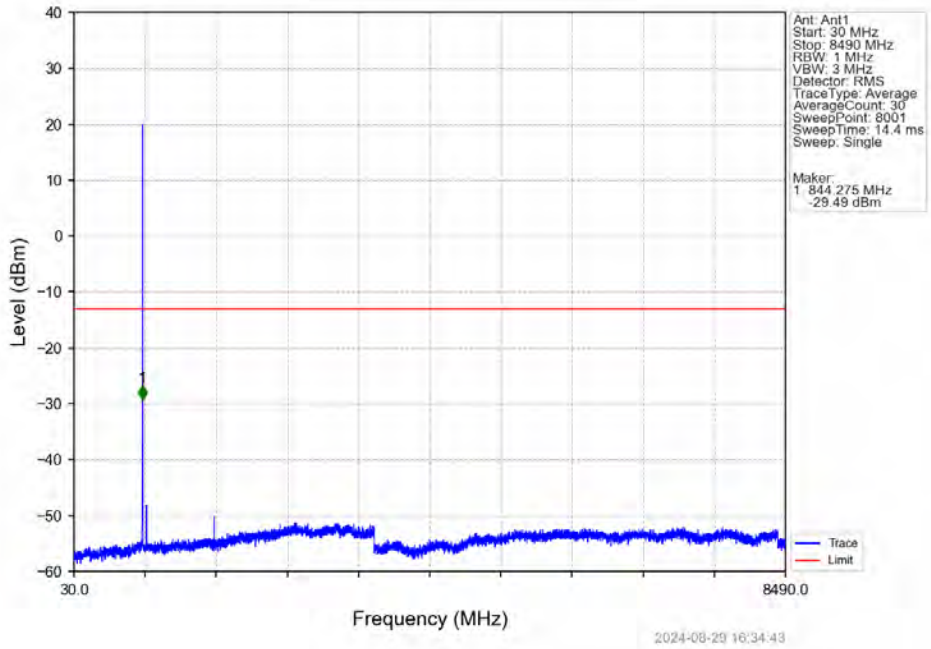


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-38.08	-13	Pass
823	824	0.013	/	2	823.916	-32.90	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

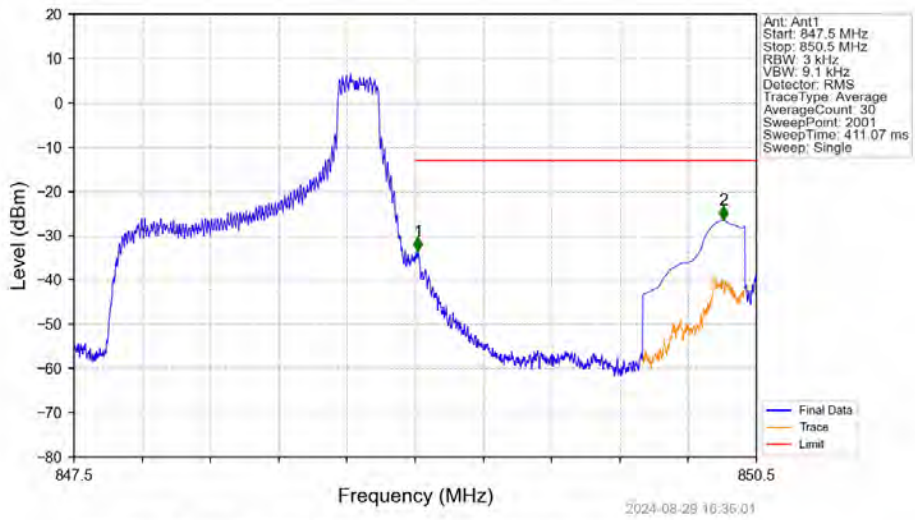
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

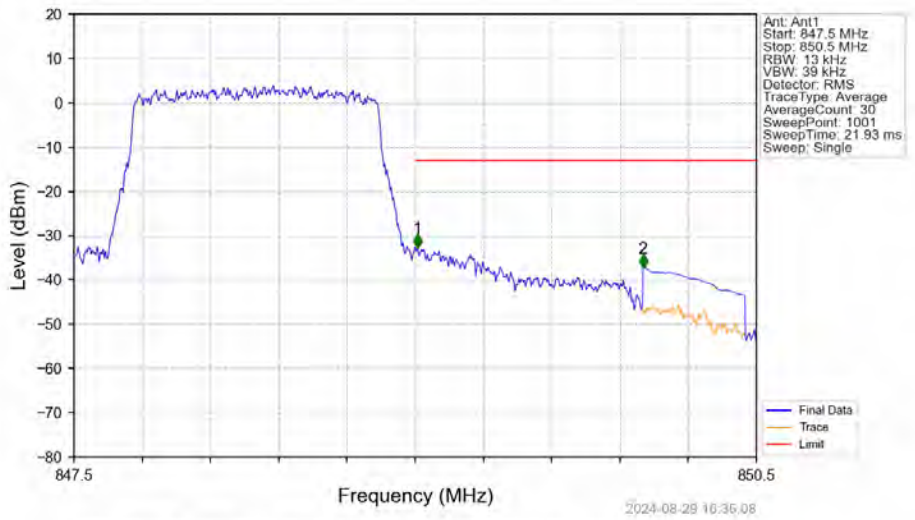


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



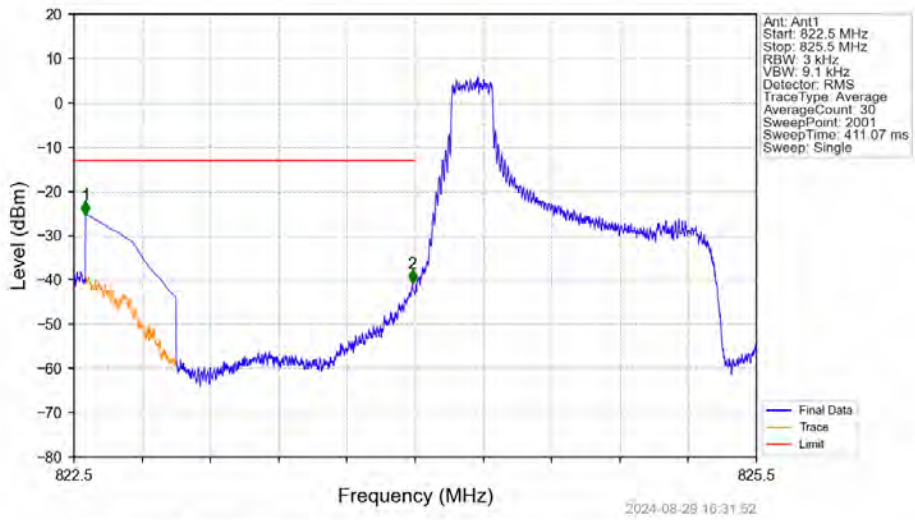
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-33.52	-13	Pass
850	850.5	0.1	CHP	2	850.355	-26.47	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



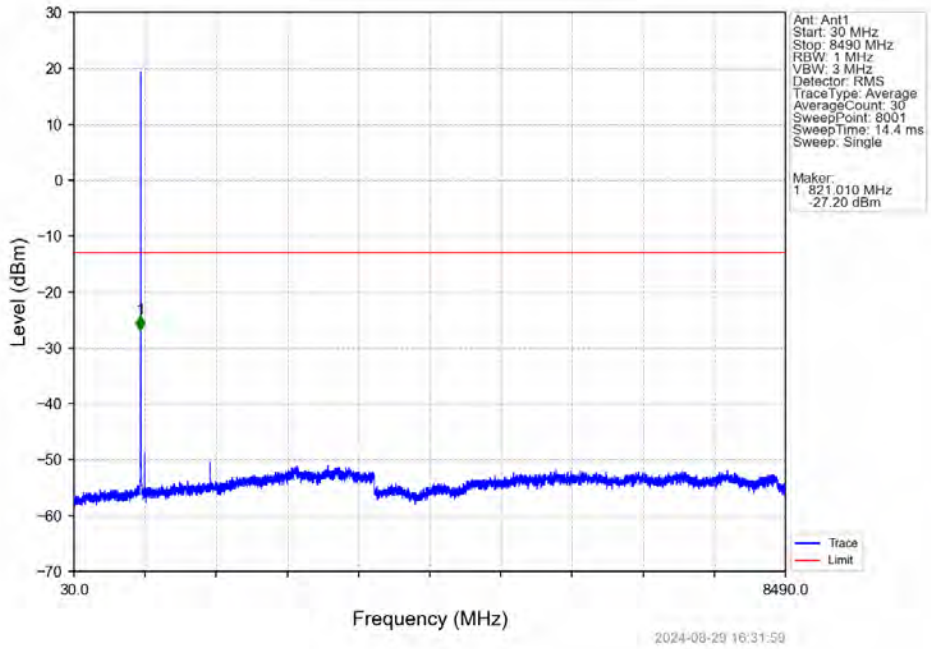
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.009	-32.84	-13	Pass
850	850.5	0.1	CHP	2	850.002	-37.26	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

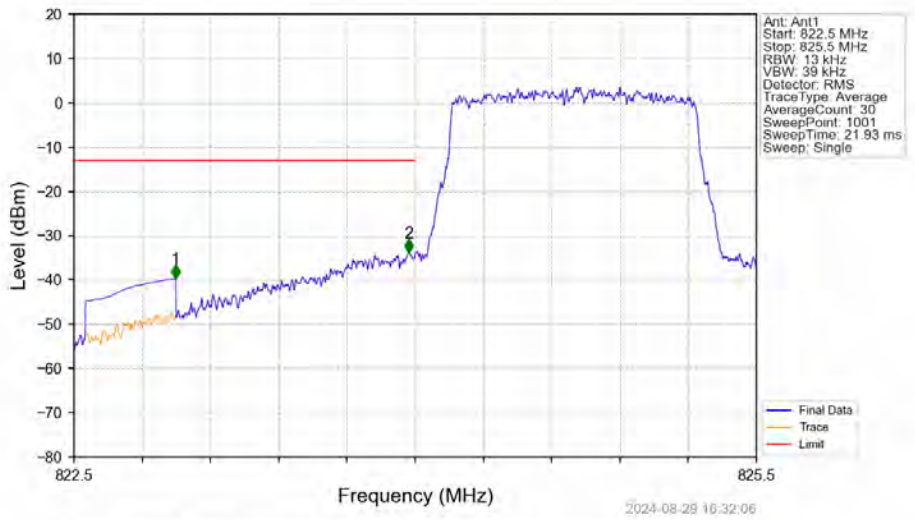


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-25.29	-13	Pass
823	824	0.003	/	2	823.988	-40.82	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

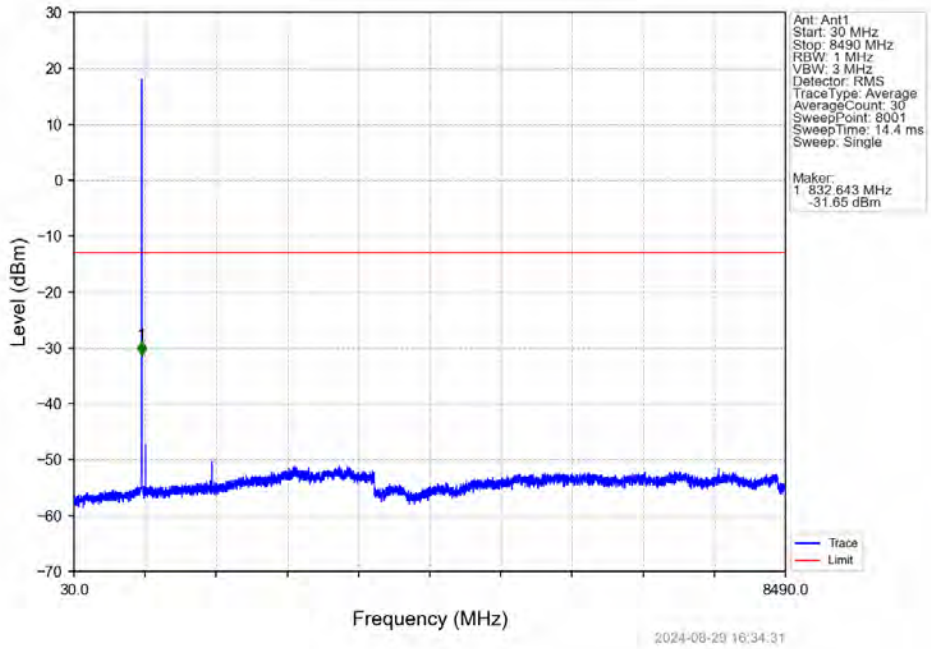


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

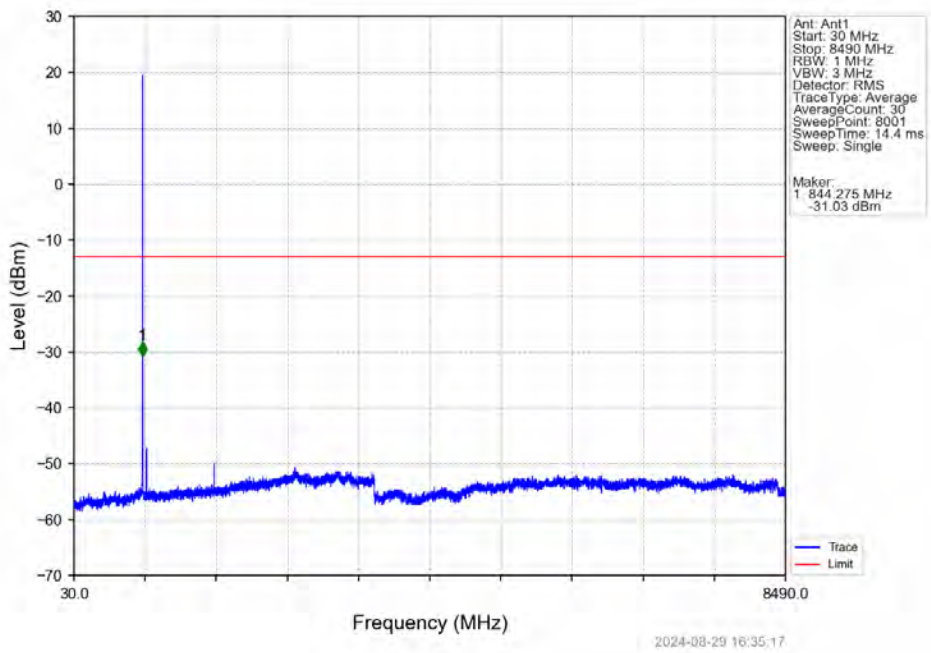


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-39.70	-13	Pass
823	824	0.013	/	2	823.973	-33.83	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

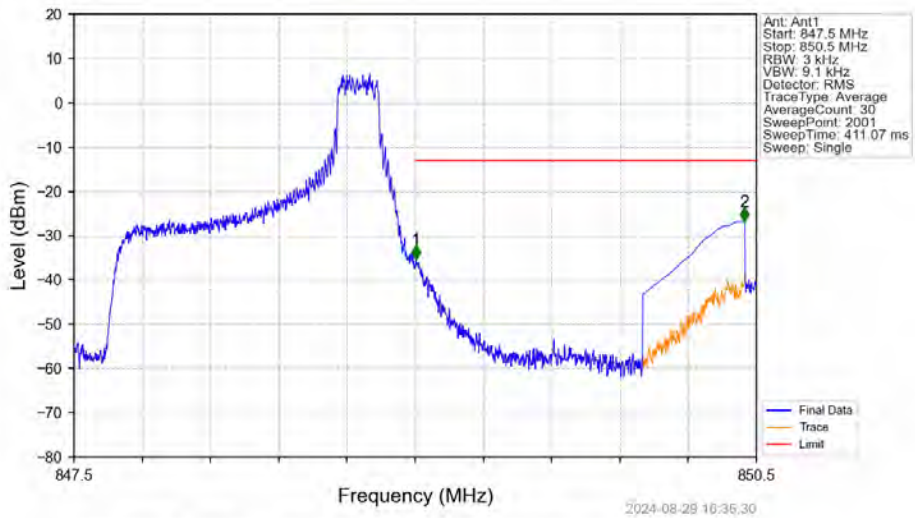
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

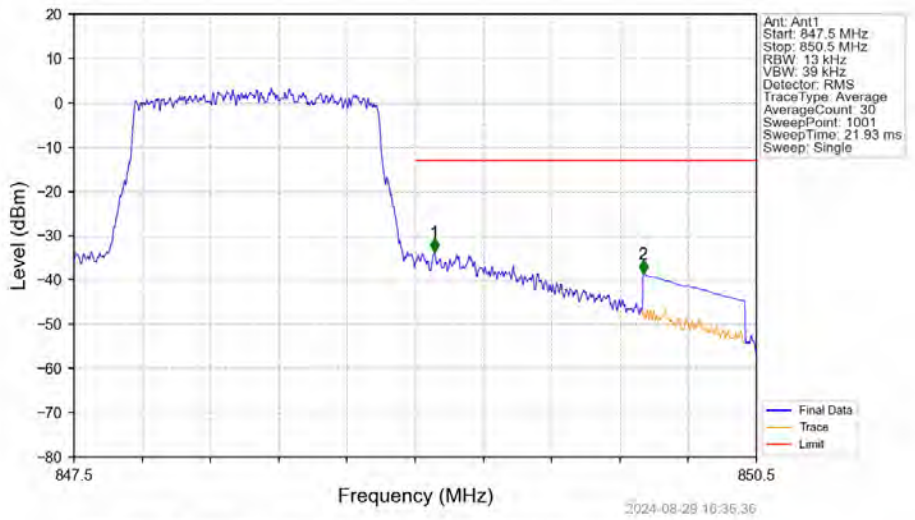


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



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	849.003	-35.26	-13	Pass
850	850.5	0.1	CHP	2	850.447	-26.70	-13	Pass

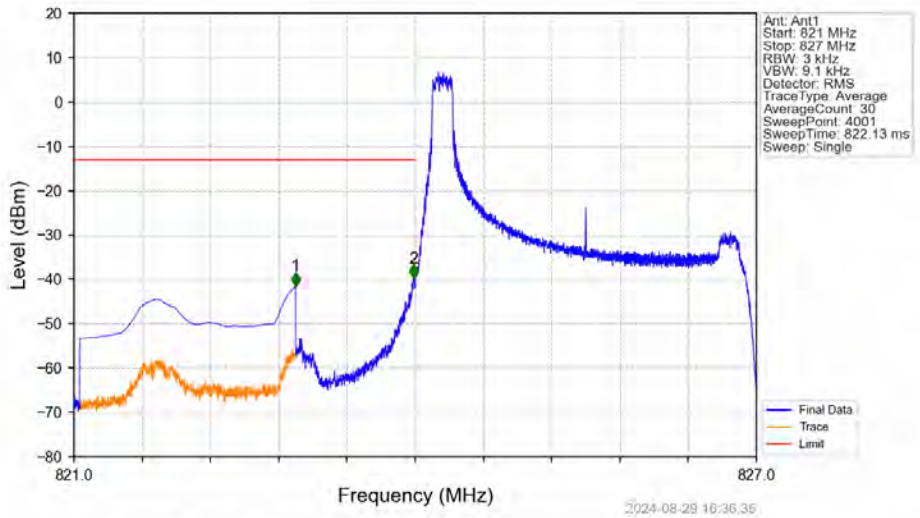
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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	849.084	-33.76	-13	Pass
850	850.5	0.1	CHP	2	850.002	-38.66	-13	Pass

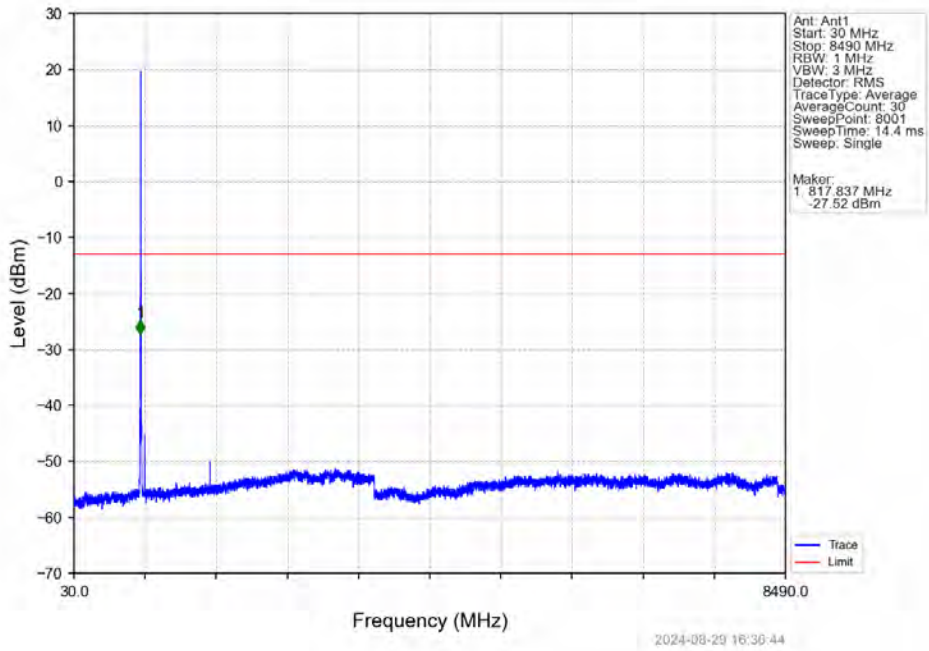
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

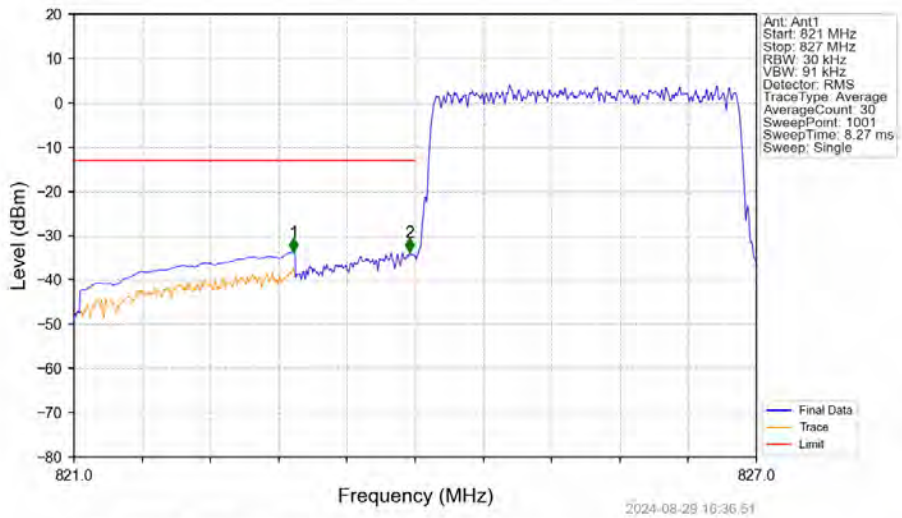


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-41.42	-13	Pass
823	824	0.003	/	2	823.985	-39.77	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

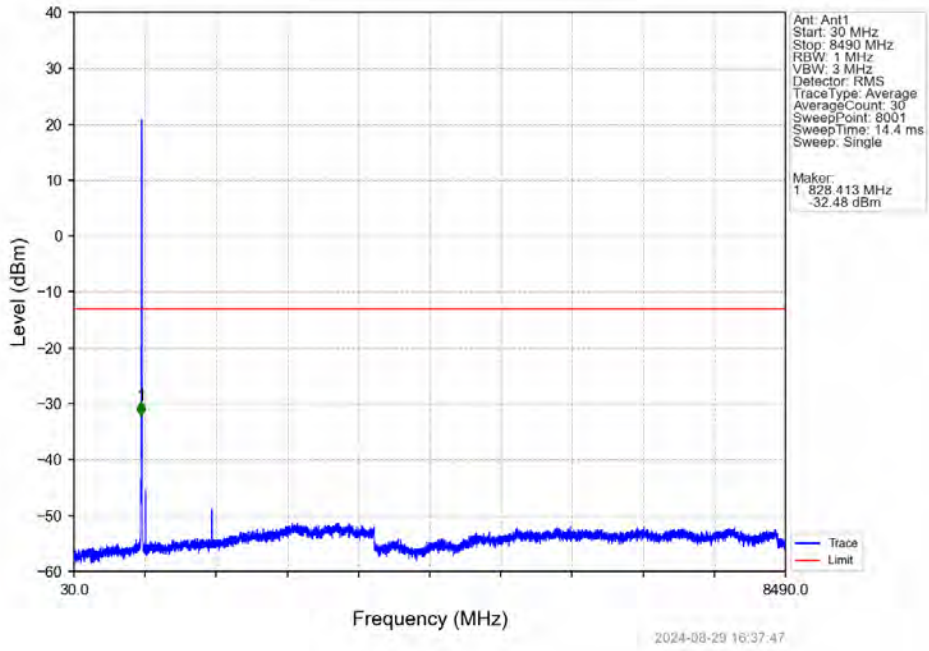


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

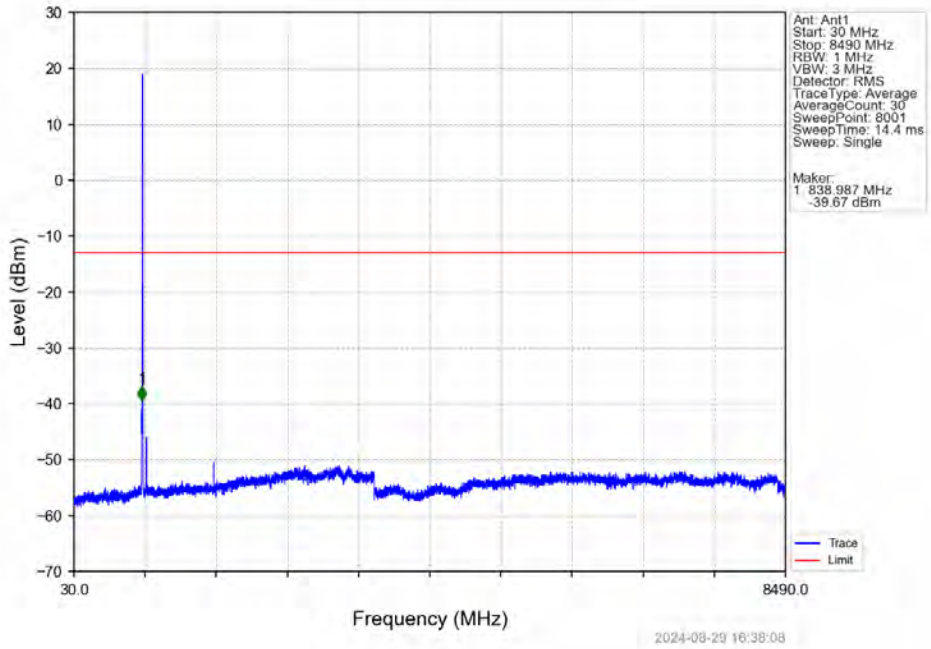


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.932	-33.71	-13	Pass
823	824	0.03	/	2	823.952	-33.63	-13	Pass
824	827	0.03	/	/	/	/	/	/

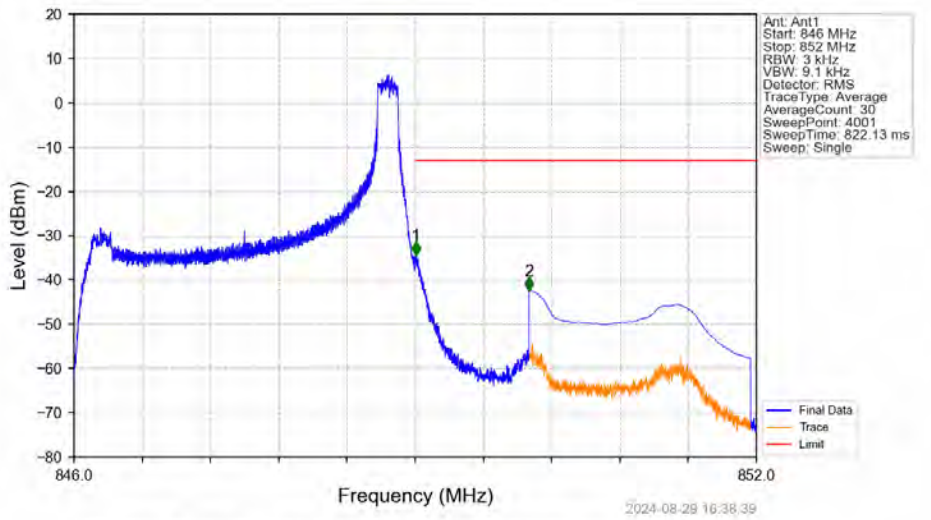
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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	849.006	-34.40	-13	Pass
850	852	0.1	CHP	2	850.000	-42.35	-13	Pass

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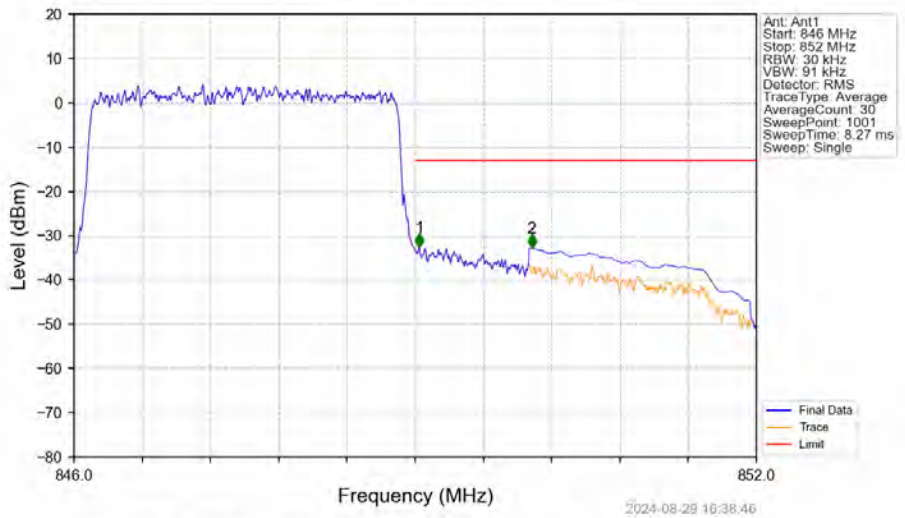
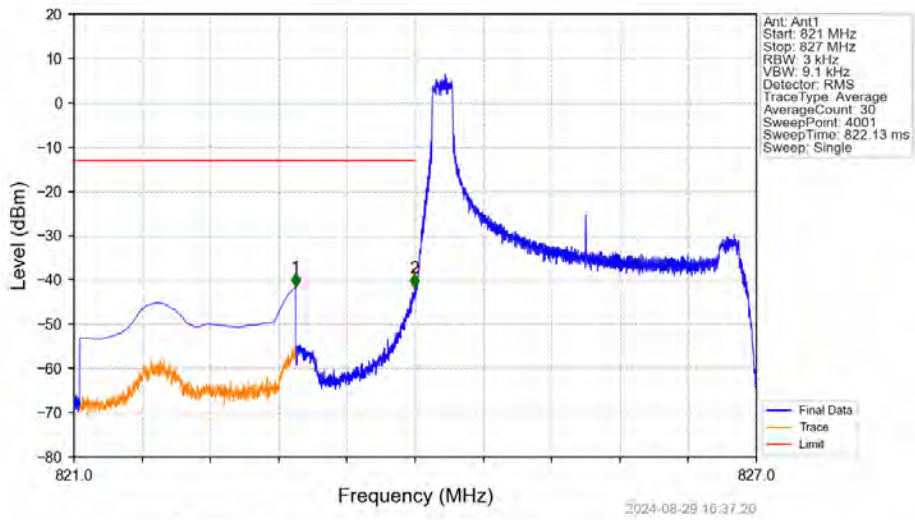
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



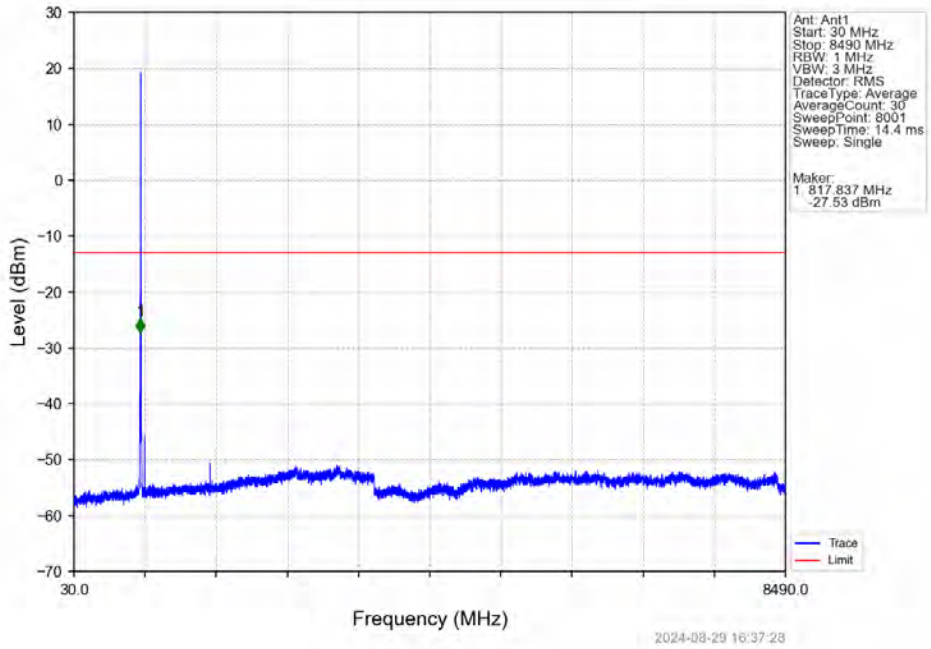
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.036	-32.53	-13	Pass
850	852	0.1	CHP	2	850.026	-32.74	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

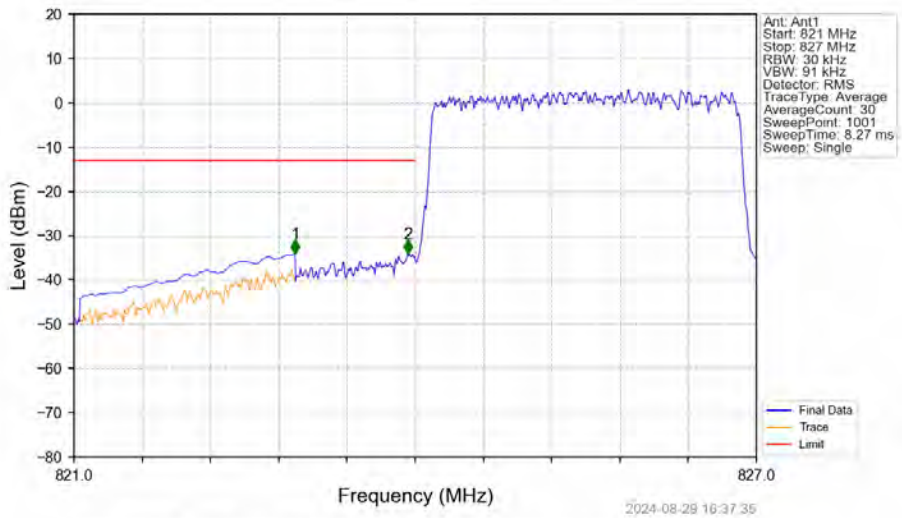


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-41.59	-13	Pass
823	824	0.003	/	2	823.995	-41.68	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

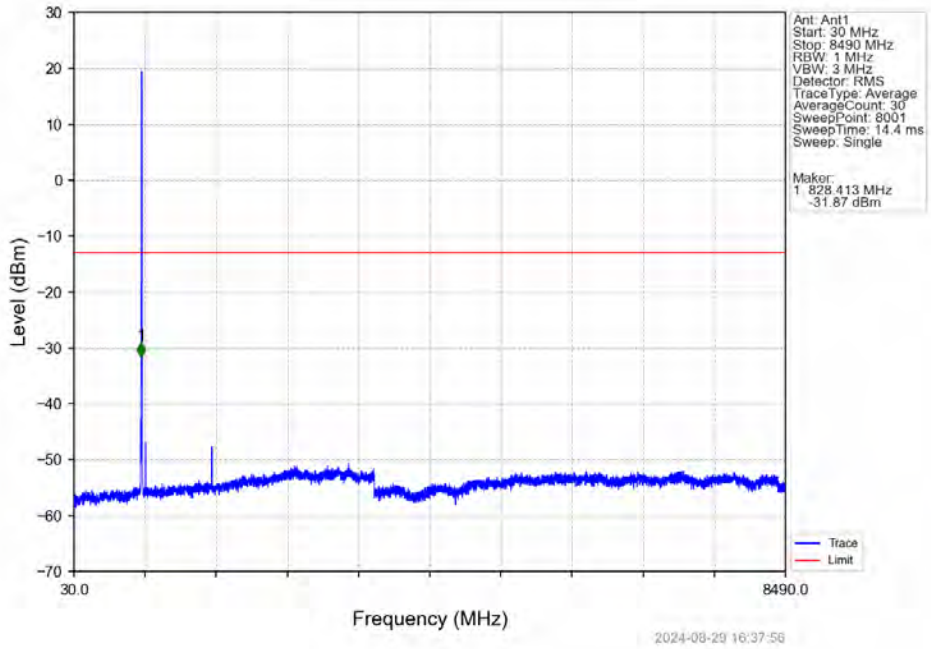


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

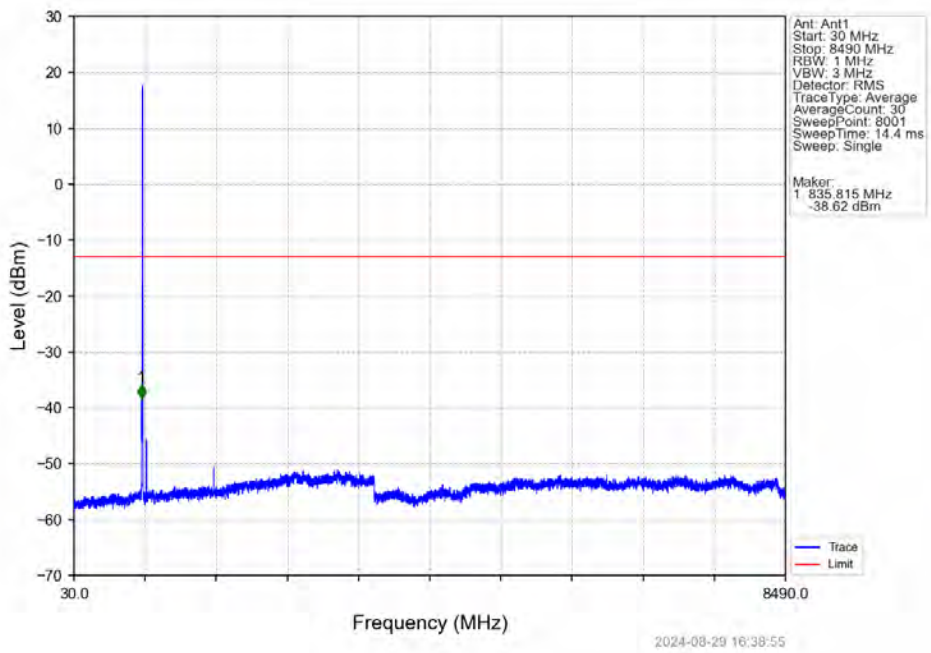


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-34.09	-13	Pass
823	824	0.03	/	2	823.934	-34.13	-13	Pass
824	827	0.03	/	/	/	/	/	/

Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



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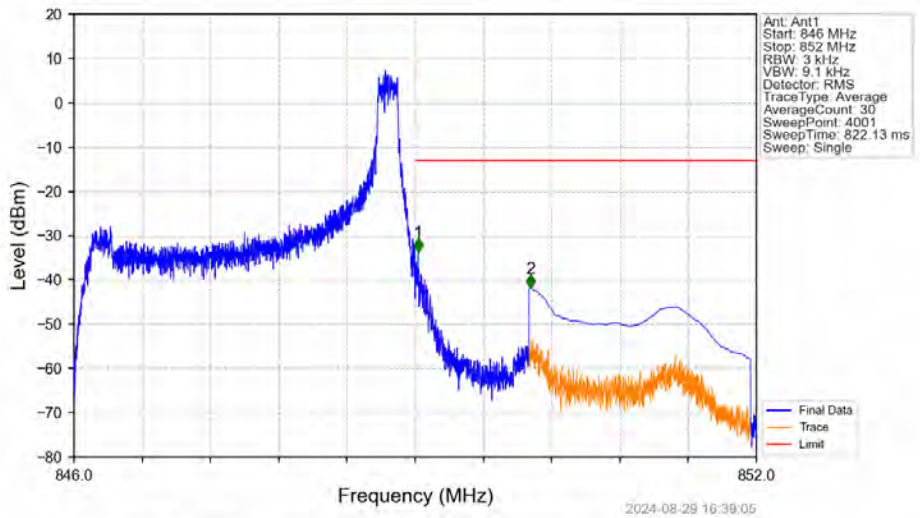
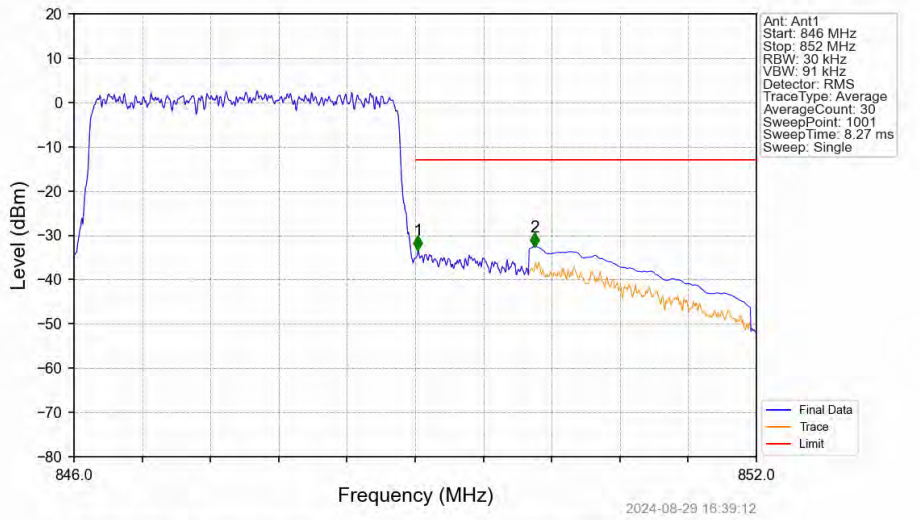
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



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	849.025	-33.65	-13	Pass
850	852	0.1	CHP	2	850.014	-41.95	-13	Pass

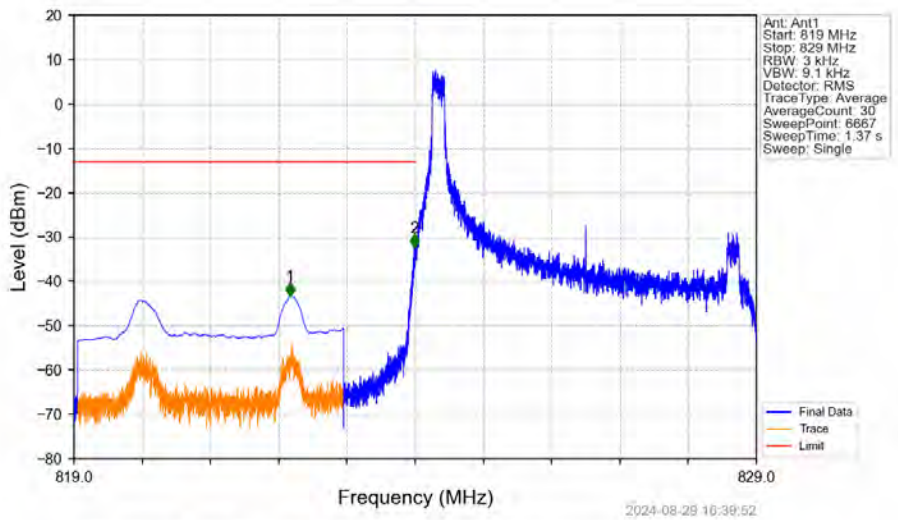
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.024	-33.38	-13	Pass
850	852	0.1	CHP	2	850.050	-32.53	-13	Pass

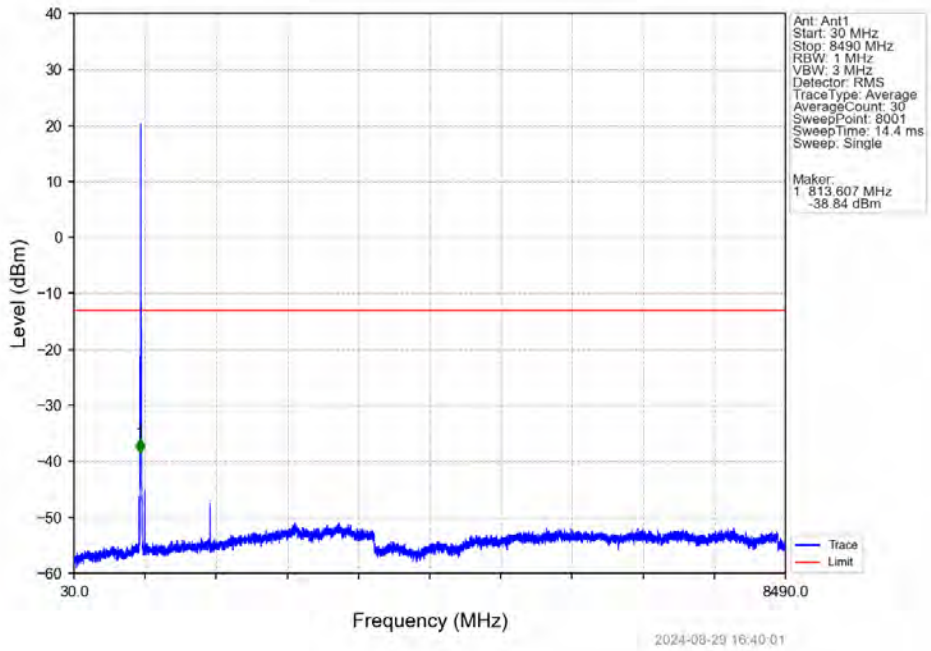
6.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

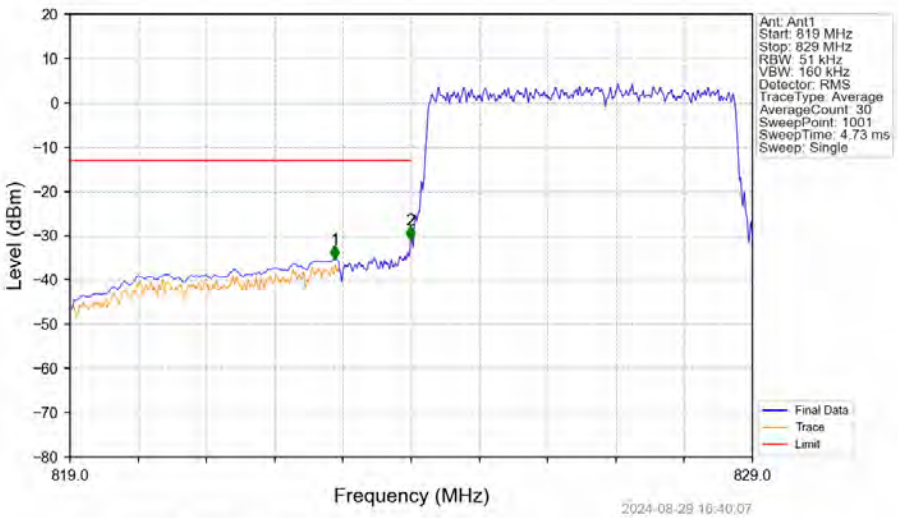


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.165	-43.25	-13	Pass
823	824	0.003	/	2	823.988	-32.37	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

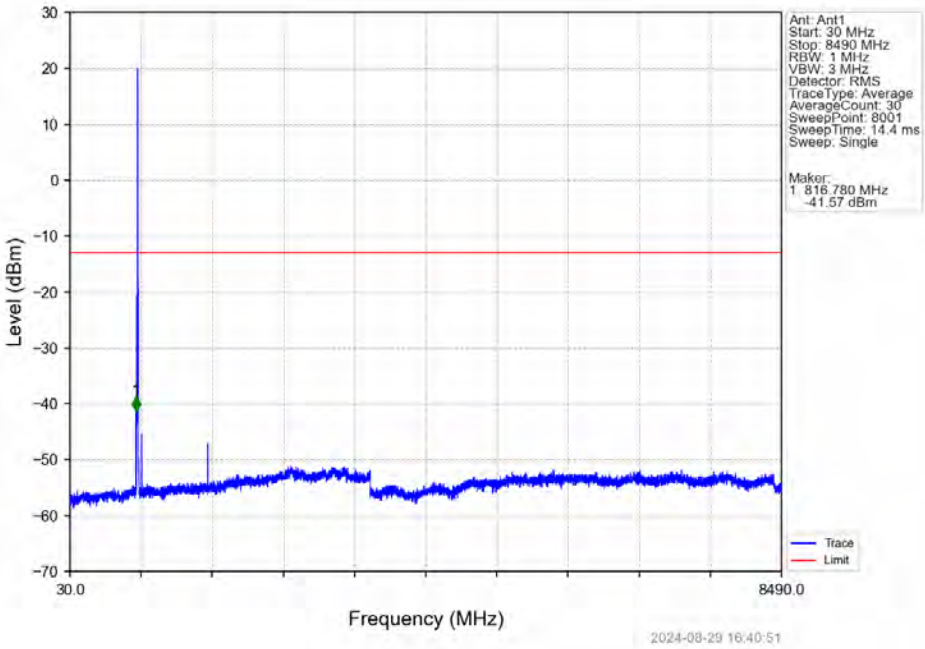


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

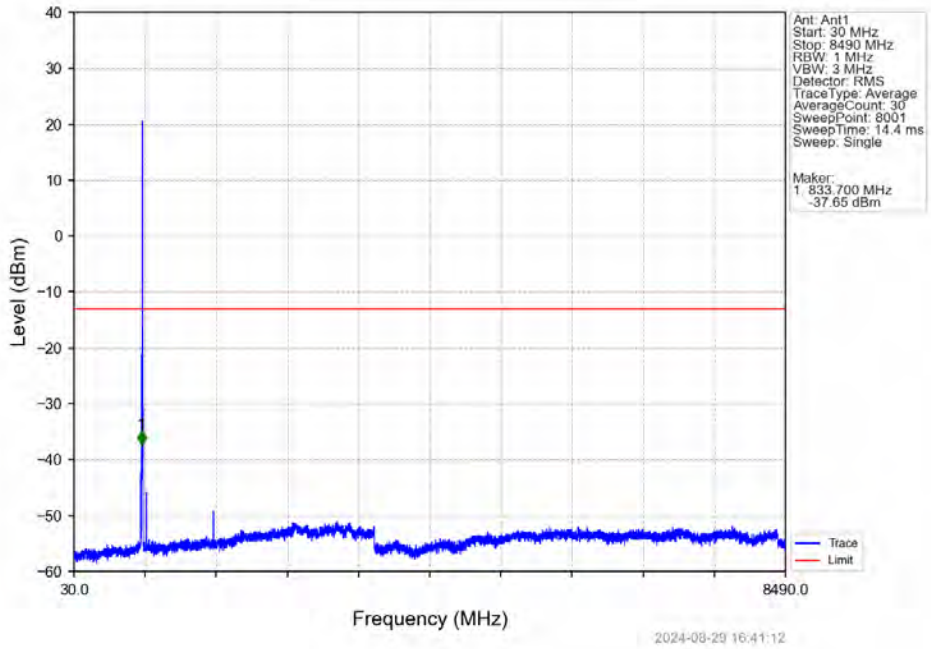


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.880	-35.35	-13	Pass
823	824	0.051	/	2	823.990	-30.90	-13	Pass
824	829	0.051	/	/	/	/	/	/

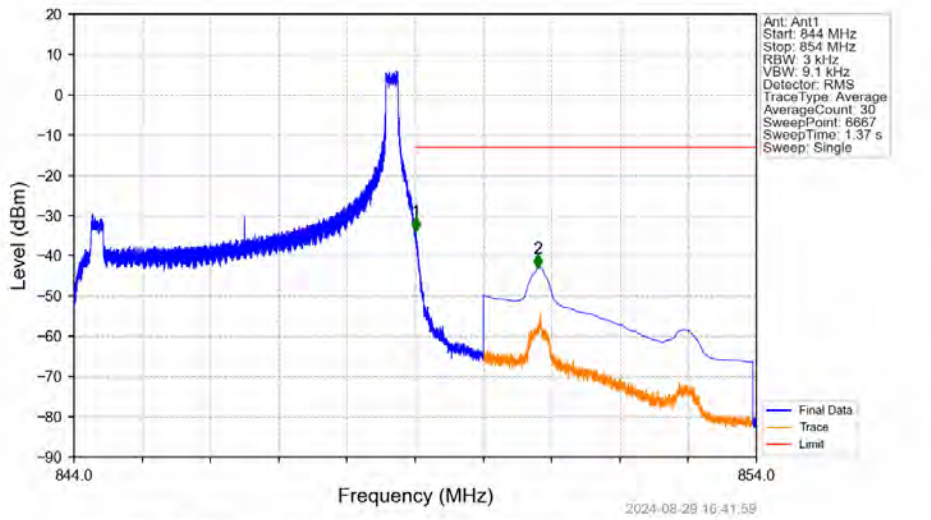
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

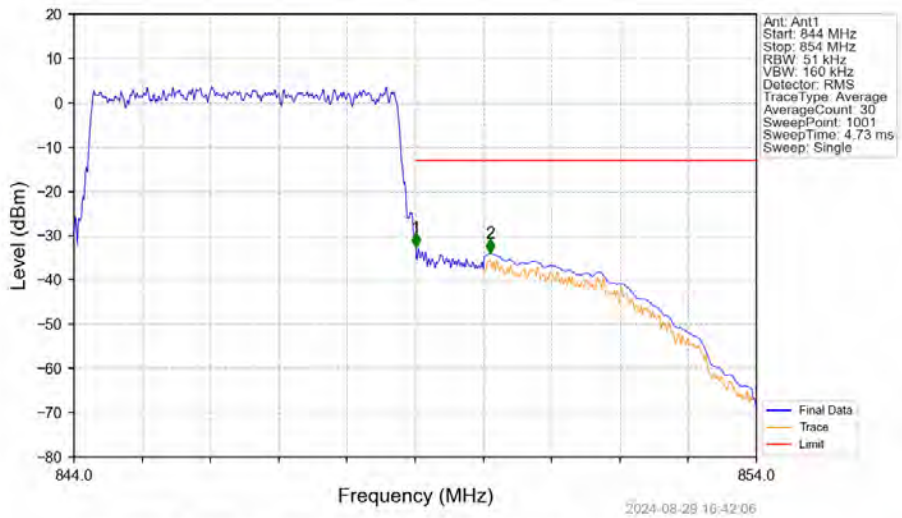


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



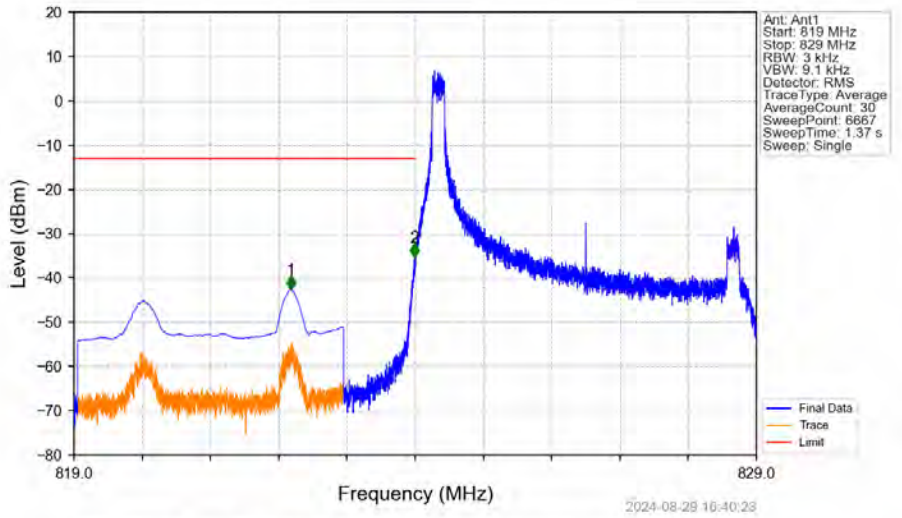
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-33.89	-13	Pass
850	854	0.1	CHP	2	850.800	-42.96	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



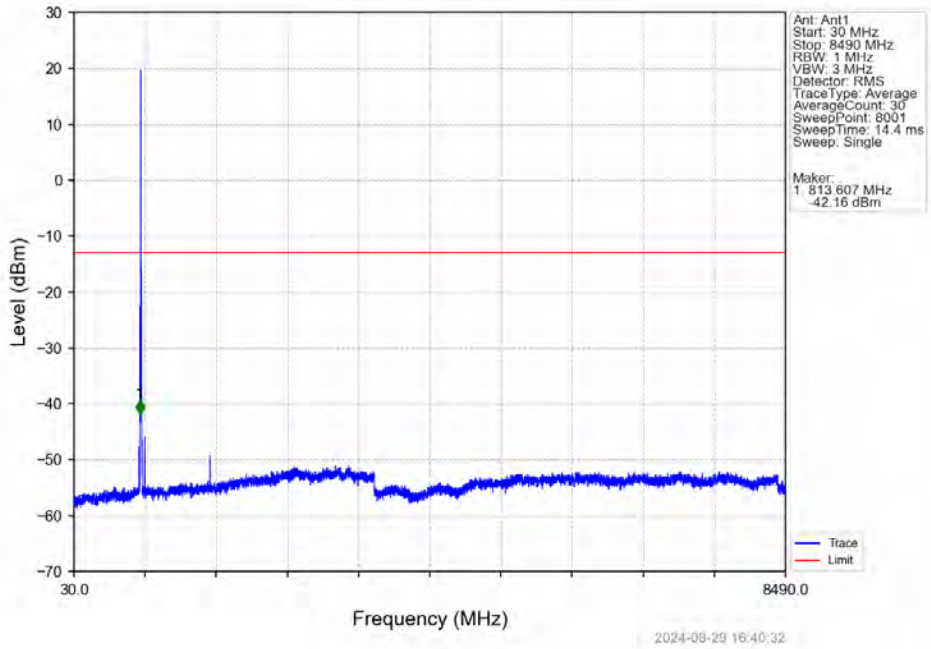
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-32.58	-13	Pass
850	854	0.1	CHP	2	850.100	-33.89	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

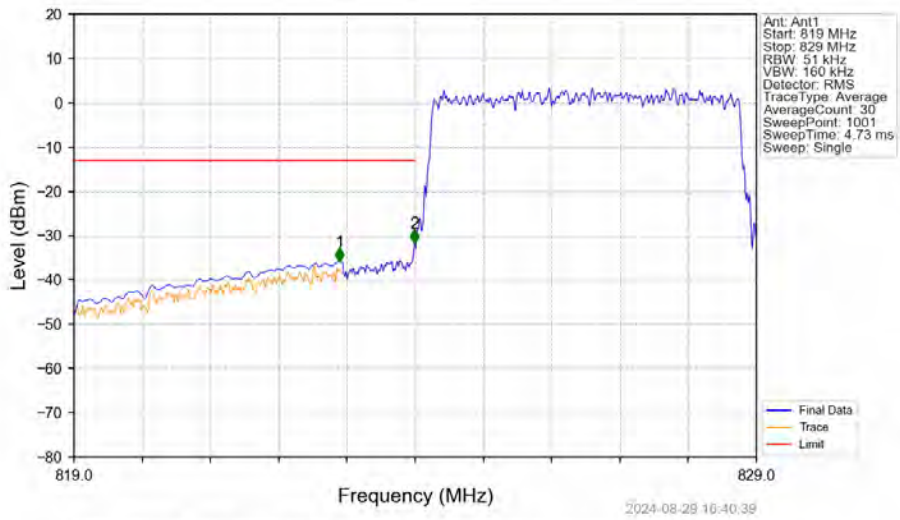


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.180	-42.69	-13	Pass
823	824	0.003	/	2	823.994	-35.25	-13	Pass
824	829	0.003	/	/	/	/	/	/

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	822.890	-35.82	-13	Pass
823	824	0.051	/	2	823.990	-31.65	-13	Pass
824	829	0.051	/	/	/	/	/	/

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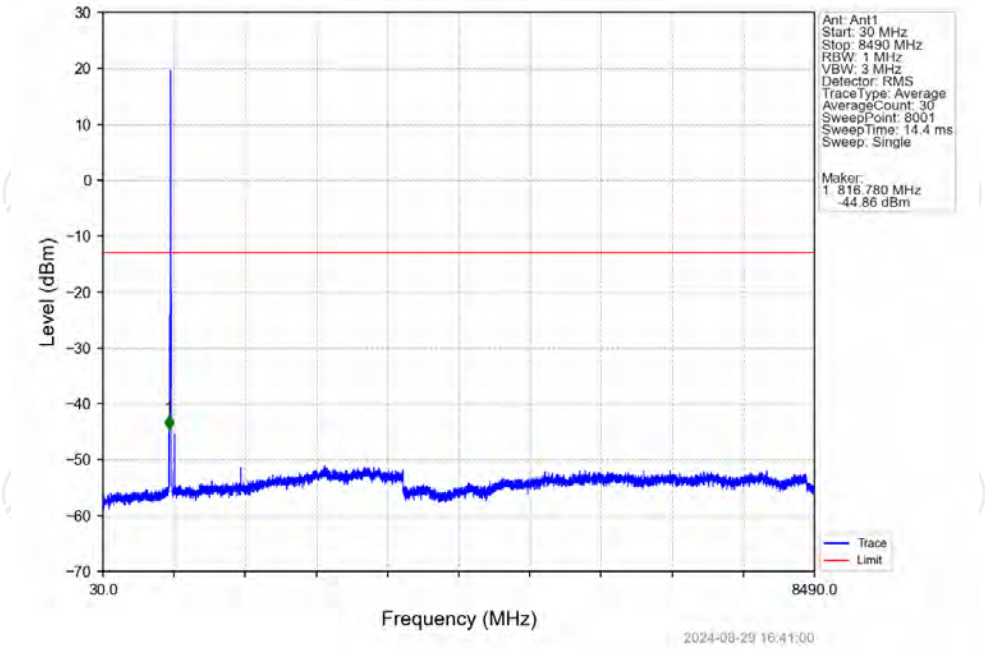
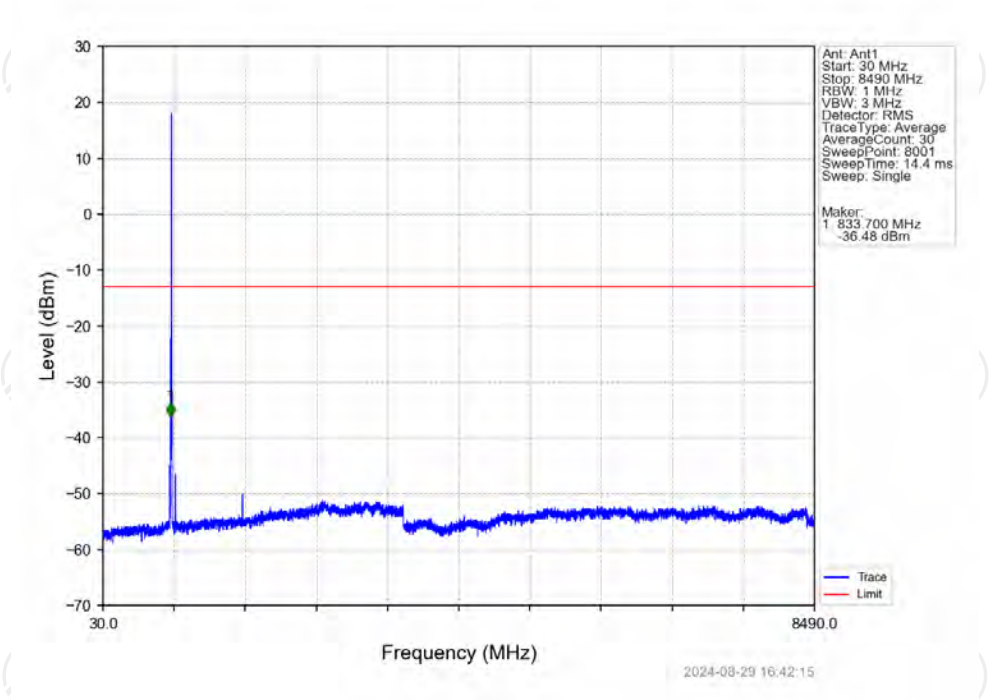
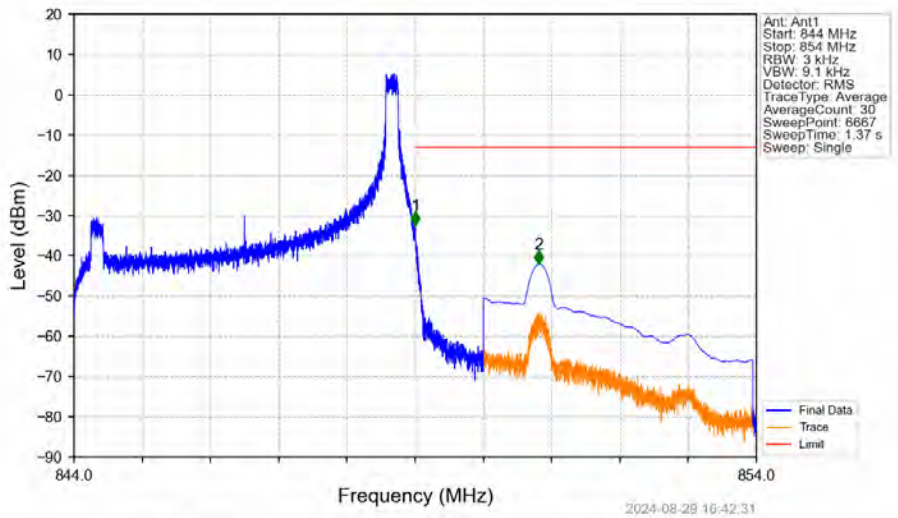
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV

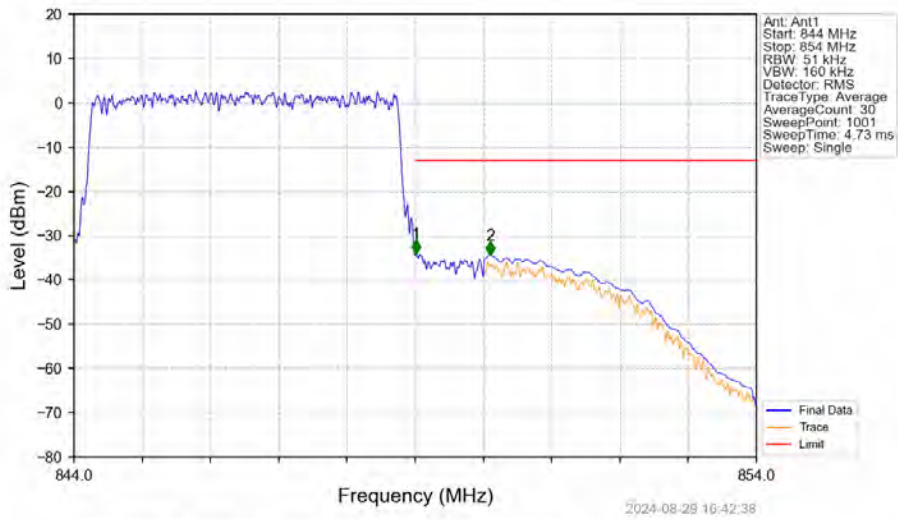


Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



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	849.003	-32.44	-13	Pass
850	854	0.1	CHP	2	850.814	-42.03	-13	Pass

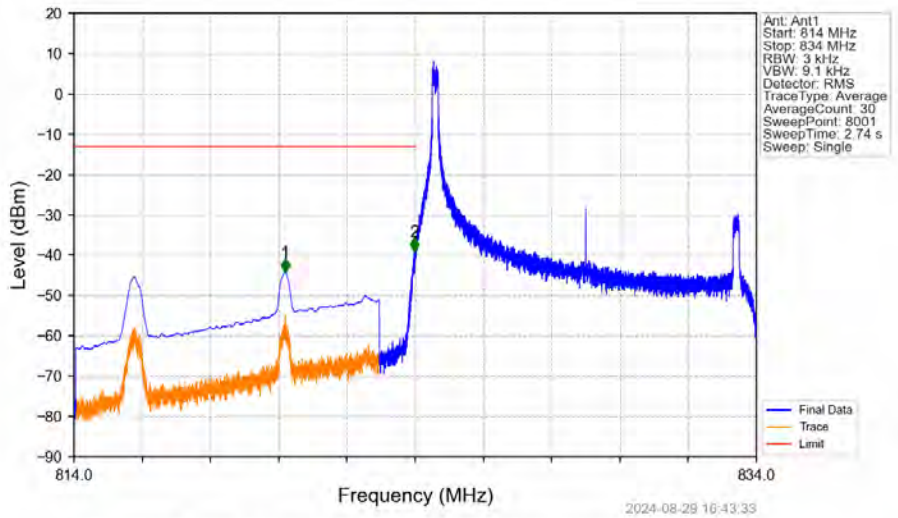
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-34.05	-13	Pass
850	854	0.1	CHP	2	850.100	-34.37	-13	Pass

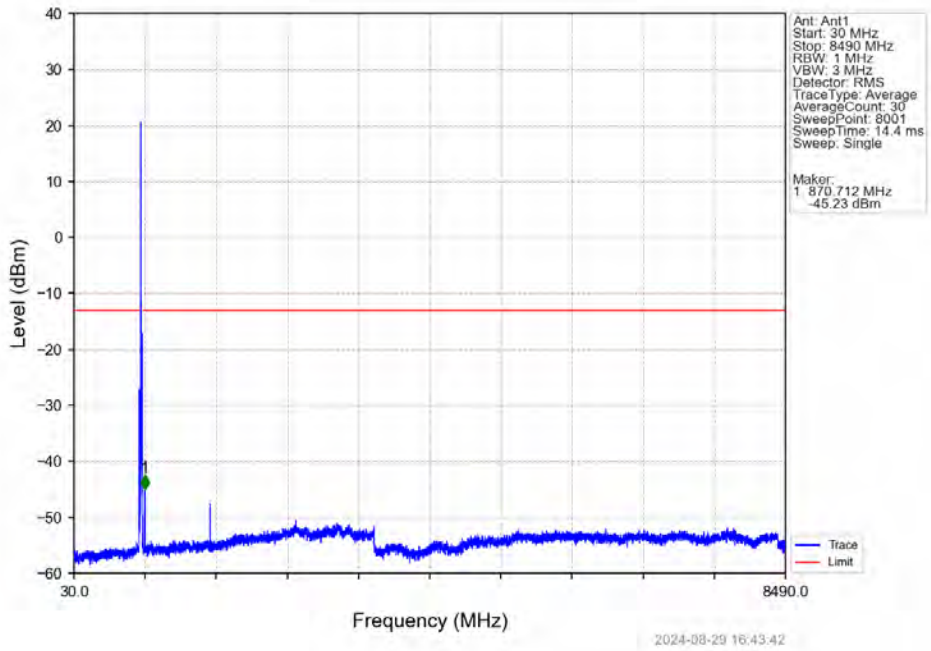
6.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

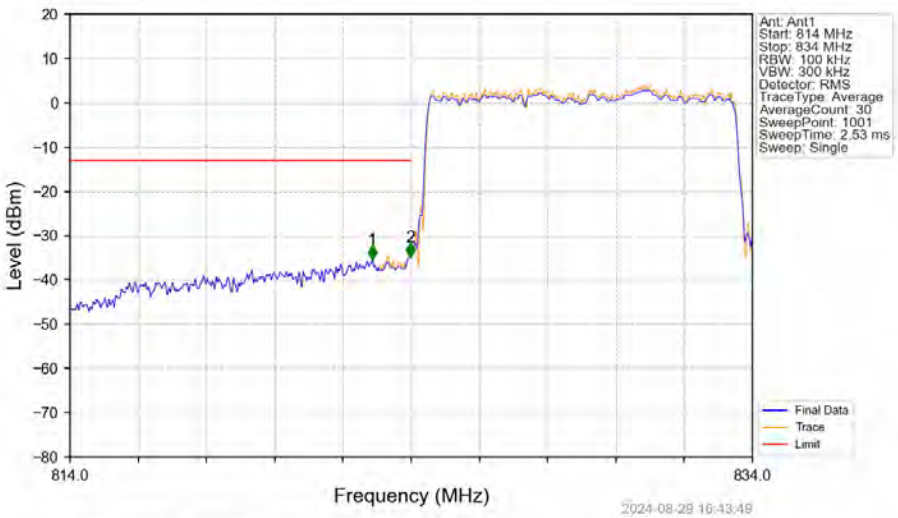


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.188	-44.26	-13	Pass
823	824	0.003	/	2	823.975	-38.96	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

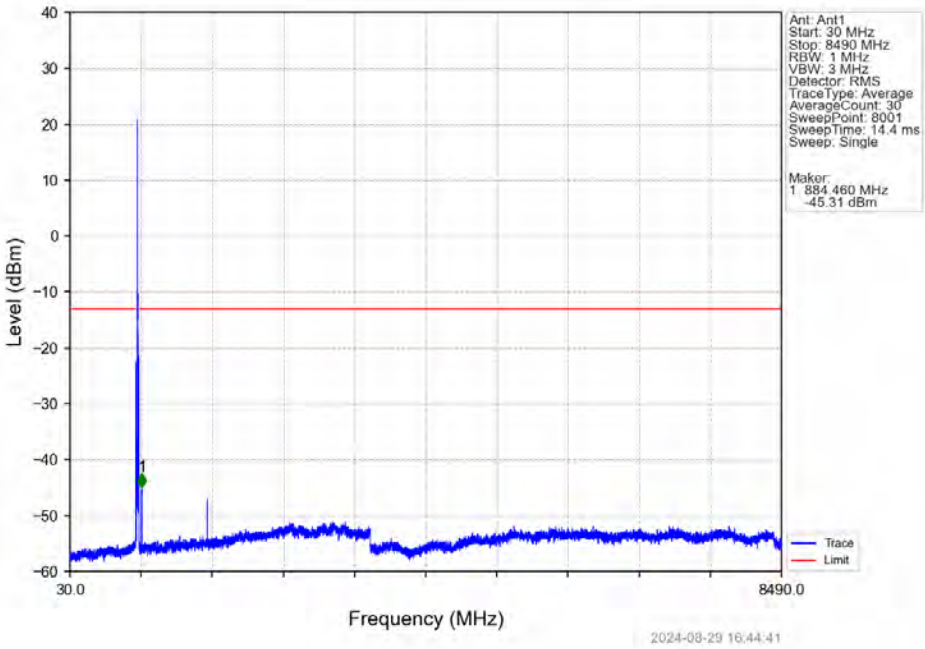


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

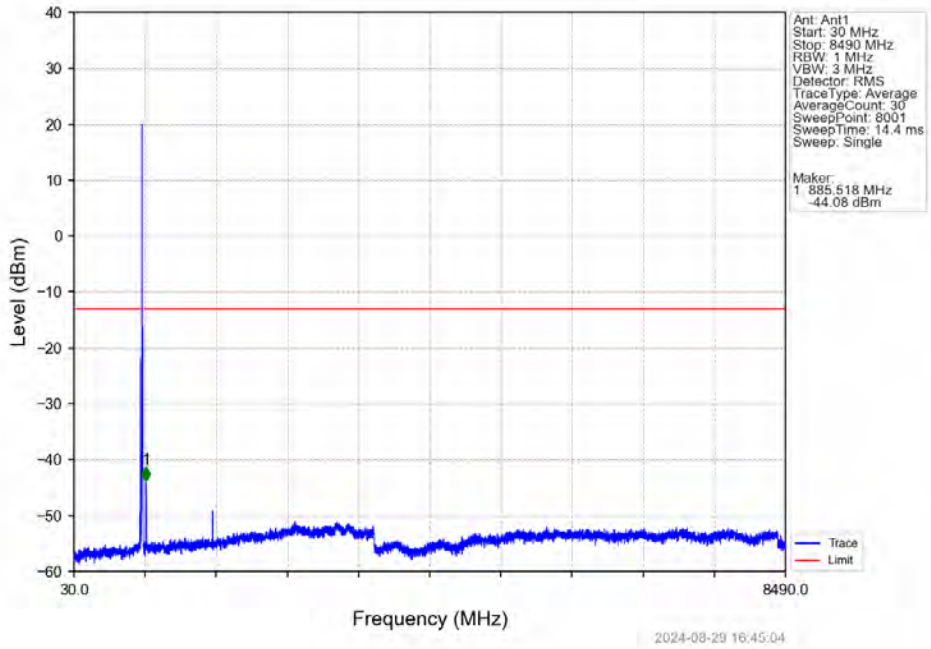


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.860	-35.40	-13	Pass
823	824	0.101	CHP	2	823.980	-34.79	-13	Pass
824	834	0.101	CHP	/	/	/	/	/

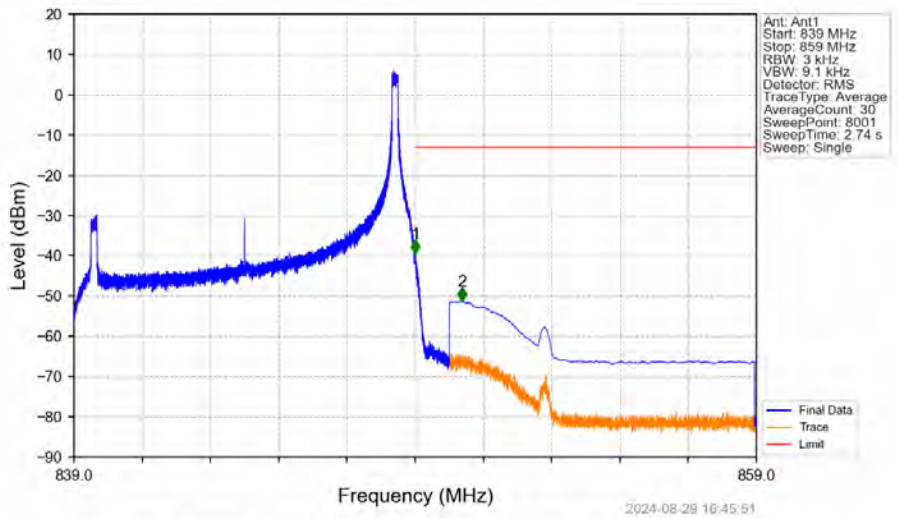
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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	-39.54	-13	Pass
850	859	0.1	CHP	2	850.367	-51.29	-13	Pass

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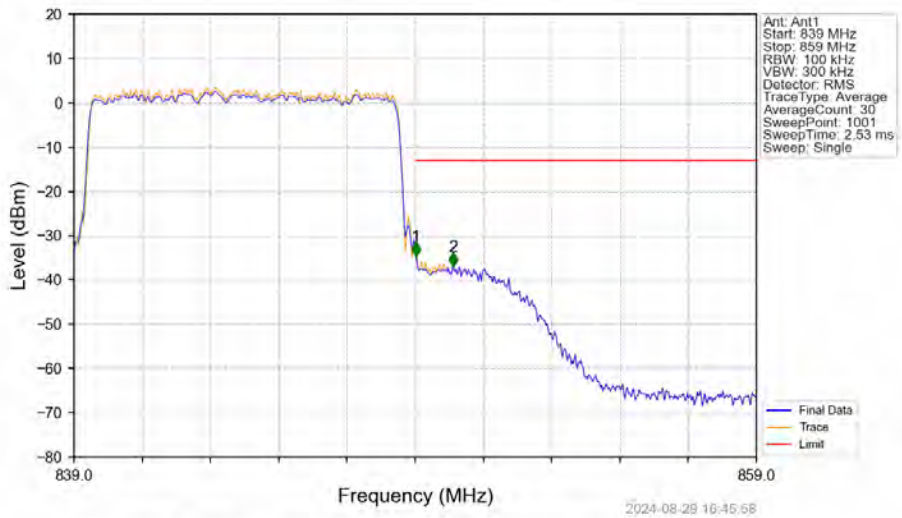
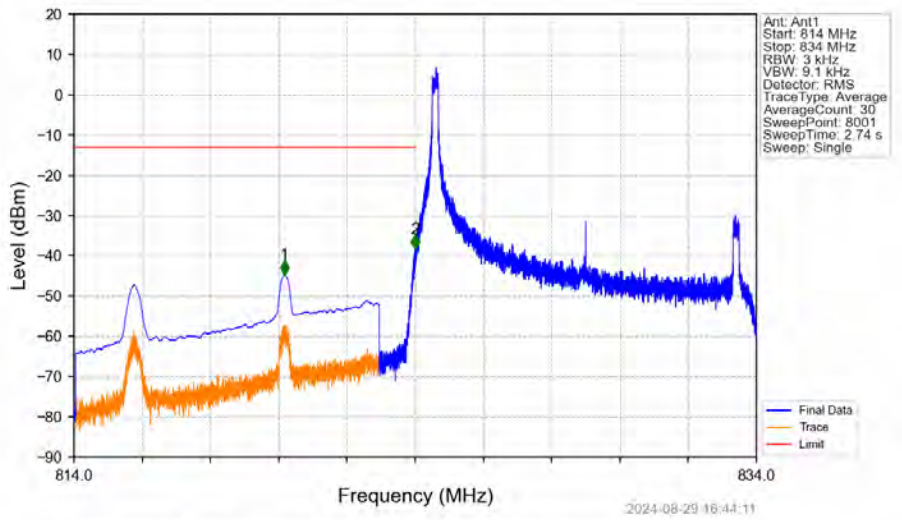
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



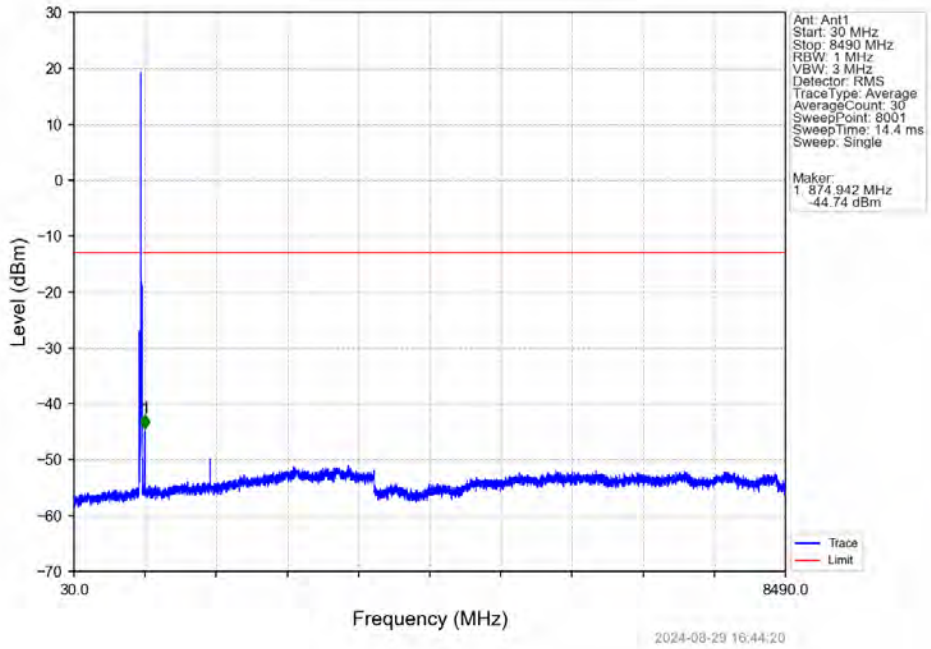
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.101	CHP	/	/	/	/	/
849	850	0.101	CHP	1	849.020	-34.52	-13	Pass
850	859	0.1	/	2	850.120	-36.91	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

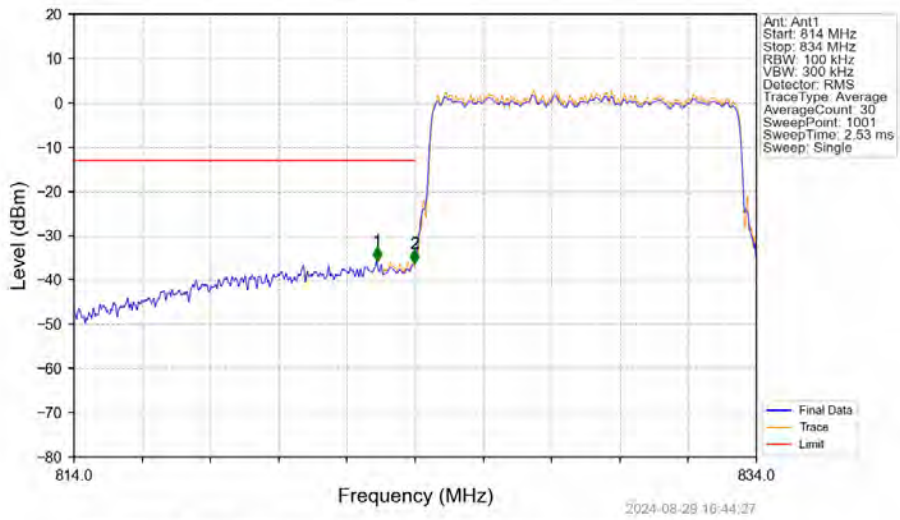


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.160	-44.67	-13	Pass
823	824	0.003	/	2	823.995	-38.23	-13	Pass
824	834	0.003	/	/	/	/	/	/

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	-35.66	-13	Pass
823	824	0.101	CHP	2	823.980	-36.21	-13	Pass
824	834	0.101	CHP	/	/	/	/	/

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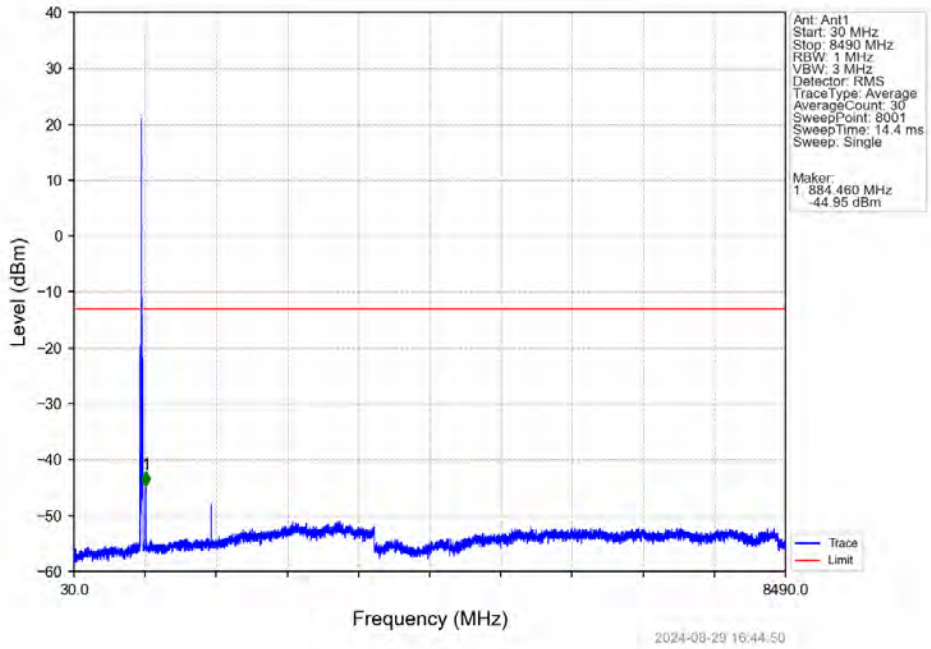
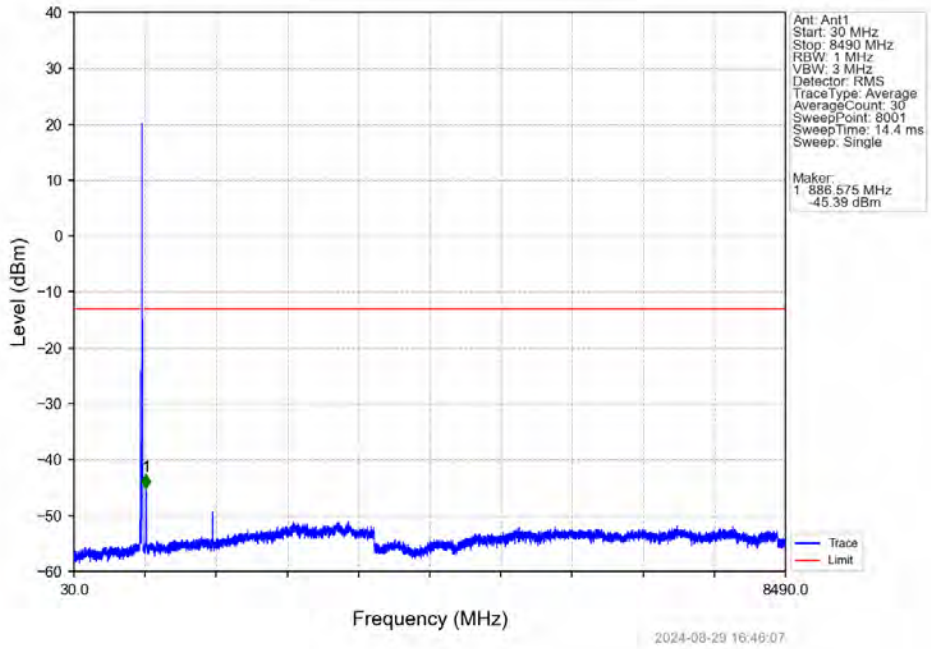
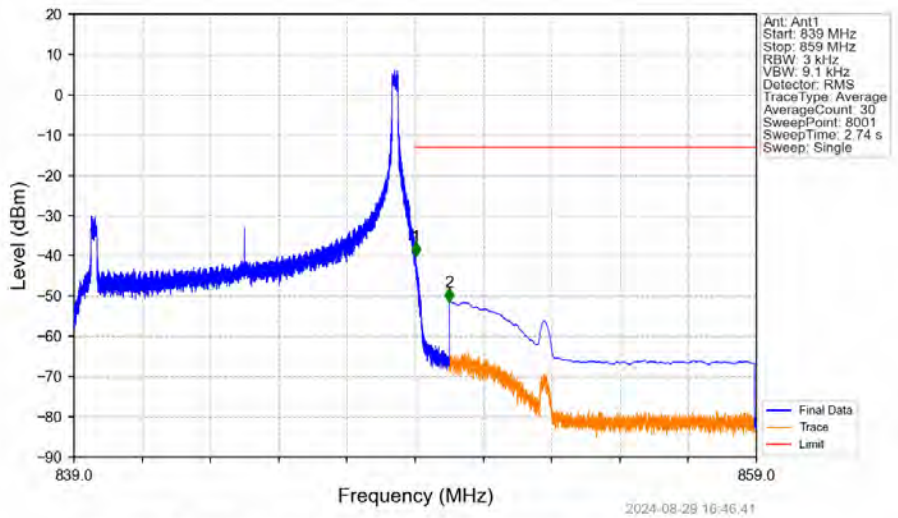
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

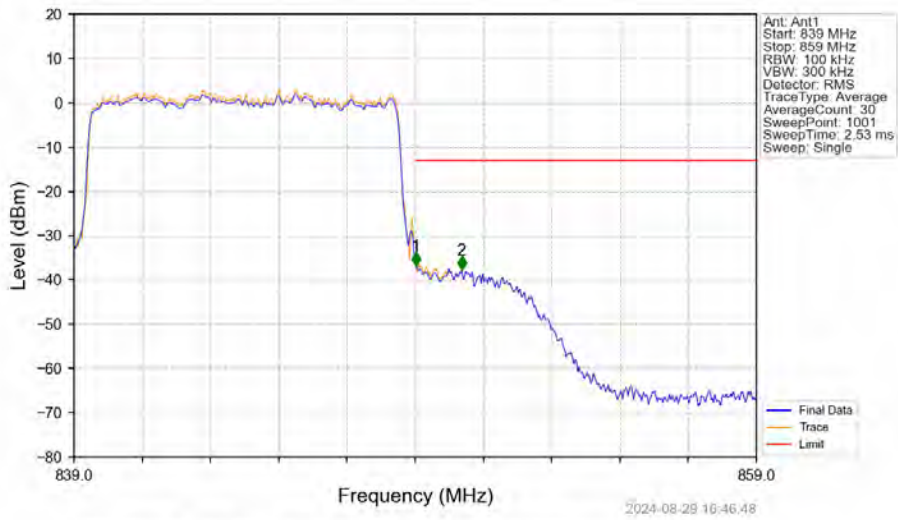


Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



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	849.015	-40.10	-13	Pass
850	859	0.1	CHP	2	850.003	-51.44	-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	-36.78	-13	Pass
850	859	0.1	/	2	850.360	-37.67	-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	0.1600	0.0014	ppm	1M11G7D	22H	22.04
5	1.4	824.7	848.3	0.1472	0.0015	ppm	1M11W7D	22H	21.68
5	3	825.5	847.5	0.1560	0.0009	ppm	2M73G7D	22H	21.93
5	3	825.5	847.5	0.1358	0.0020	ppm	2M72W7D	22H	21.33
5	5	826.5	846.5	0.1552	0.0011	ppm	4M56G7D	22H	21.91
5	5	826.5	846.5	0.1219	0.0022	ppm	4M58W7D	22H	20.86
5	10	829	844	0.1563	0.0023	ppm	9M09G7D	22H	21.94
5	10	829	844	0.1507	0.0018	ppm	9M08W7D	22H	21.78

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	0.0748	0.0014	ppm	1M11G7D	22H	18.74
5	1.4	824.7	848.3	0.0689	0.0015	ppm	1M11W7D	22H	18.38
5	3	825.5	847.5	0.0729	0.0009	ppm	2M73G7D	22H	18.63
5	3	825.5	847.5	0.0635	0.0020	ppm	2M72W7D	22H	18.03
5	5	826.5	846.5	0.0726	0.0011	ppm	4M56G7D	22H	18.61
5	5	826.5	846.5	0.0570	0.0022	ppm	4M58W7D	22H	17.56
5	10	829	844	0.0731	0.0023	ppm	9M09G7D	22H	18.64
5	10	829	844	0.0705	0.0018	ppm	9M08W7D	22H	18.48