1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

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	23.16	-2.58	18.43	<=38.45	Pass
			2	23.27	-2.58	18.54	<=38.45	Pass
			5	23.16	-2.58	18.43	<=38.45	Pass
		3	0	22.76	-2.58	18.03	<=38.45	Pass
			2	22.80	-2.58	18.07	<=38.45	Pass
			3	22.78	-2.58	18.05	<=38.45	Pass
		6	0	21.73	-2.58	17.00	<=38.45	Pass
	836.5	1	0	22.57	-2.58	17.84	<=38.45	Pass
			2	22.76	-2.58	18.03	<=38.45	Pass
			5	22.58	-2.58	17.85	<=38.45	Pass
		3	0	22.73	-2.58	18.00	<=38.45	Pass
			2	22.71	-2.58	17.98	<=38.45	Pass
			3	22.69	-2.58	17.96	<=38.45	Pass
		6	0	21.62	-2.58	16.89	<=38.45	Pass
	848.3	1	0	22.31	-2.58	17.58	<=38.45	Pass
			2	22.41	-2.58	17.68	<=38.45	Pass
			5	22.29	-2.58	17.56	<=38.45	Pass
		3	0	22.49	-2.58	17.76	<=38.45	Pass
			2	22.48	-2.58	17.75	<=38.45	Pass
			3	22.45	-2.58	17.72	<=38.45	Pass
		6	0	21.39	-2.58	16.66	<=38.45	Pass
16QAM	824.7	1	0	21.69	-2.58	16.96	<=38.45	Pass
			2	21.82	-2.58	17.09	<=38.45	Pass
			5	21.78	-2.58	17.05	<=38.45	Pass
		3	0	21.86	-2.58	17.13	<=38.45	Pass
			2	21.93	-2.58	17.20	<=38.45	Pass
			3	21.83	-2.58	17.10	<=38.45	Pass
		6	0	20.69	-2.58	15.96	<=38.45	Pass
	836.5	1	0	21.75	-2.58	17.02	<=38.45	Pass
			2	21.83	-2.58	17.10	<=38.45	Pass
			5	21.74	-2.58	17.01	<=38.45	Pass
		3	0	21.71	-2.58	16.98	<=38.45	Pass
			2	21.72	-2.58	16.99	<=38.45	Pass
			3	21.71	-2.58	16.98	<=38.45	Pass
		6	0	20.67	-2.58	15.94	<=38.45	Pass
	848.3	1	0	21.31	-2.58	16.58	<=38.45	Pass
			2	21.48	-2.58	16.75	<=38.45	Pass
			5	21.36	-2.58	16.63	<=38.45	Pass
		3	0	21.69	-2.58	16.96	<=38.45	Pass
			2	21.71	-2.58	16.98	<=38.45	Pass
			3	21.68	-2.58	16.95	<=38.45	Pass
		6	0	20.42	-2.58	15.69	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B5_3MHz_ERP

1.2.1 Test Result

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	-2.58	18.03	<=38.45	Pass
			7	22.88	-2.58	18.15	<=38.45	Pass
			14	22.72	-2.58	17.99	<=38.45	Pass
		8	0	21.75	-2.58	17.02	<=38.45	Pass
			4	21.76	-2.58	17.03	<=38.45	Pass
			7	21.69	-2.58	16.96	<=38.45	Pass
		15	0	21.72	-2.58	16.99	<=38.45	Pass
	836.5	1	0	22.62	-2.58	17.89	<=38.45	Pass
			7	22.74	-2.58	18.01	<=38.45	Pass
			14	22.56	-2.58	17.83	<=38.45	Pass
		8	0	21.60	-2.58	16.87	<=38.45	Pass
			4	21.63	-2.58	16.90	<=38.45	Pass
			7	21.58	-2.58	16.85	<=38.45	Pass
		15	0	21.63	-2.58	16.90	<=38.45	Pass
	847.5	1	0	22.32	-2.58	17.59	<=38.45	Pass
			7	22.46	-2.58	17.73	<=38.45	Pass
			14	22.29	-2.58	17.56	<=38.45	Pass
		8	0	21.34	-2.58	16.61	<=38.45	Pass
			4	21.41	-2.58	16.68	<=38.45	Pass
			7	21.36	-2.58	16.63	<=38.45	Pass
		15	0	21.39	-2.58	16.66	<=38.45	Pass
16QAM	825.5	1	0	21.80	-2.58	17.07	<=38.45	Pass
			7	21.91	-2.58	17.18	<=38.45	Pass
			14	21.79	-2.58	17.06	<=38.45	Pass
		8	0	20.80	-2.58	16.07	<=38.45	Pass
			4	20.84	-2.58	16.11	<=38.45	Pass
			7	20.80	-2.58	16.07	<=38.45	Pass
		15	0	20.78	-2.58	16.05	<=38.45	Pass
	836.5	1	0	21.83	-2.58	17.10	<=38.45	Pass
			7	21.92	-2.58	17.19	<=38.45	Pass
			14	21.72	-2.58	16.99	<=38.45	Pass
		8	0	20.63	-2.58	15.90	<=38.45	Pass
			4	20.67	-2.58	15.94	<=38.45	Pass
			7	20.59	-2.58	15.86	<=38.45	Pass
		15	0	20.62	-2.58	15.89	<=38.45	Pass
	847.5	1	0	21.96	-2.58	17.23	<=38.45	Pass
			7	22.08	-2.58	17.35	<=38.45	Pass
			14	21.93	-2.58	17.20	<=38.45	Pass
		8	0	20.60	-2.58	15.87	<=38.45	Pass
			4	20.65	-2.58	15.92	<=38.45	Pass
			7	20.60	-2.58	15.87	<=38.45	Pass
		15	0	20.54	-2.58	15.81	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B5_5MHz_ERP

1.3.1 Test Result

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	22.62	-2.58	17.89	<=38.45	Pass
			13	22.76	-2.58	18.03	<=38.45	Pass
			24	22.64	-2.58	17.91	<=38.45	Pass

		12	0	21.66	-2.58	16.93	<=38.45	Pass
			6	21.75	-2.58	17.02	<=38.45	Pass
			13	21.72	-2.58	16.99	<=38.45	Pass
		25	0	21.69	-2.58	16.96	<=38.45	Pass
	836.5	1	0	22.51	-2.58	17.78	<=38.45	Pass
			13	22.59	-2.58	17.86	<=38.45	Pass
			24	22.46	-2.58	17.73	<=38.45	Pass
		12	0	21.55	-2.58	16.82	<=38.45	Pass
			6	21.62	-2.58	16.89	<=38.45	Pass
			13	21.61	-2.58	16.88	<=38.45	Pass
		25	0	21.61	-2.58	16.88	<=38.45	Pass
	846.5	1	0	22.32	-2.58	17.59	<=38.45	Pass
			13	22.43	-2.58	17.70	<=38.45	Pass
			24	22.29	-2.58	17.56	<=38.45	Pass
		12	0	21.40	-2.58	16.67	<=38.45	Pass
			6	21.41	-2.58	16.68	<=38.45	Pass
			13	21.32	-2.58	16.59	<=38.45	Pass
		25	0	21.34	-2.58	16.61	<=38.45	Pass
16QAM	826.5	1	0	21.71	-2.58	16.98	<=38.45	Pass
			13	21.86	-2.58	17.13	<=38.45	Pass
			24	21.77	-2.58	17.04	<=38.45	Pass
		12	0	20.65	-2.58	15.92	<=38.45	Pass
			6	20.75	-2.58	16.02	<=38.45	Pass
			13	20.70	-2.58	15.97	<=38.45	Pass
		25	0	20.75	-2.58	16.02	<=38.45	Pass
	836.5	1	0	21.84	-2.58	17.11	<=38.45	Pass
			13	21.95	-2.58	17.22	<=38.45	Pass
			24	21.78	-2.58	17.05	<=38.45	Pass
		12	0	20.62	-2.58	15.89	<=38.45	Pass
			6	20.68	-2.58	15.95	<=38.45	Pass
			13	20.64	-2.58	15.91	<=38.45	Pass
		25	0	20.60	-2.58	15.87	<=38.45	Pass
	846.5	1	0	21.19	-2.58	16.46	<=38.45	Pass
			13	21.29	-2.58	16.56	<=38.45	Pass
			24	21.17	-2.58	16.44	<=38.45	Pass
		12	0	20.40	-2.58	15.67	<=38.45	Pass
			6	20.45	-2.58	15.72	<=38.45	Pass
			13	20.34	-2.58	15.61	<=38.45	Pass
		25	0	20.42	-2.58	15.69	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B5_10MHz_ERP

1.4.1 Test Result

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	22.70	-2.58	17.97	<=38.45	Pass
			25	22.83	-2.58	18.10	<=38.45	Pass
			49	22.68	-2.58	17.95	<=38.45	Pass
		25	0	21.73	-2.58	17.00	<=38.45	Pass
			13	21.73	-2.58	17.00	<=38.45	Pass
			25	21.67	-2.58	16.94	<=38.45	Pass
		50	0	21.73	-2.58	17.00	<=38.45	Pass
	836.5	1	0	22.60	-2.58	17.87	<=38.45	Pass
			25	22.71	-2.58	17.98	<=38.45	Pass

			49	22.45	-2.58	17.72	<=38.45	Pass
		25	0	21.67	-2.58	16.94	<=38.45	Pass
			13	21.61	-2.58	16.88	<=38.45	Pass
			25	21.59	-2.58	16.86	<=38.45	Pass
		50	0	21.59	-2.58	16.86	<=38.45	Pass
	844	1	0	22.45	-2.58	17.72	<=38.45	Pass
			25	22.44	-2.58	17.71	<=38.45	Pass
			49	22.30	-2.58	17.57	<=38.45	Pass
		25	0	21.49	-2.58	16.76	<=38.45	Pass
			13	21.41	-2.58	16.68	<=38.45	Pass
			25	21.31	-2.58	16.58	<=38.45	Pass
		50	0	21.37	-2.58	16.64	<=38.45	Pass
16QAM	829	1	0	21.71	-2.58	16.98	<=38.45	Pass
			25	21.84	-2.58	17.11	<=38.45	Pass
			49	21.73	-2.58	17.00	<=38.45	Pass
		25	0	20.84	-2.58	16.11	<=38.45	Pass
			13	20.83	-2.58	16.10	<=38.45	Pass
			25	20.82	-2.58	16.09	<=38.45	Pass
		50	0	20.76	-2.58	16.03	<=38.45	Pass
	836.5	1	0	21.84	-2.58	17.11	<=38.45	Pass
			25	21.90	-2.58	17.17	<=38.45	Pass
			49	21.62	-2.58	16.89	<=38.45	Pass
		25	0	20.74	-2.58	16.01	<=38.45	Pass
			13	20.67	-2.58	15.94	<=38.45	Pass
			25	20.64	-2.58	15.91	<=38.45	Pass
		50	0	20.62	-2.58	15.89	<=38.45	Pass
	844	1	0	22.08	-2.58	17.35	<=38.45	Pass
			25	22.10	-2.58	17.37	<=38.45	Pass
			49	21.94	-2.58	17.21	<=38.45	Pass
		25	0	20.58	-2.58	15.85	<=38.45	Pass
			13	20.48	-2.58	15.75	<=38.45	Pass
			25	20.37	-2.58	15.64	<=38.45	Pass
		50	0	20.44	-2.58	15.71	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

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	-4.563	-0.0055	-2.5 to 2.5	Pass
					3.85	-12.031	-0.0146	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-8.454	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-7.381	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-6.394	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-5.379	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-3.133	-0.0038	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-8.068	-0.0096	-2.5 to 2.5	Pass

					3.85	-10.500	-0.0126	-2.5 to 2.5	Pass
					4.43	-3.018	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.937	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-8.297	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-4.735	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-2.804	-0.0034	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-9.627	-0.0113	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0029	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-8.998	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-4.449	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-5.951	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-9.284	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-8.855	-0.0104	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-4.821	-0.0058	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-5.736	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-5.879	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-3.619	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-9.470	-0.0113	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-7.181	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-8.082	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-9.098	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.340	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.819	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.937	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.968	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-10.600	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-5.450	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-9.398	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-17.953	-0.0212	-2.5 to 2.5	Pass
				10	3.85	-11.230	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-7.582	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-5.178	-0.0061	-2.5 to 2.5	Pass

2.2 B5_3MHz

2.2.1 Test Result

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	-5.264	-0.0064	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0091	-2.5 to 2.5	Pass
					4.43	-13.189	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-11.058	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-9.384	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-6.323	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0068	-2.5 to 2.5	Pass
				50	3.85	0.429	0.0005	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-11.487	-0.0137	-2.5 to 2.5	Pass
					3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.031	0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-11.473	-0.0137	-2.5 to 2.5	Pass
				30	3.85	-8.755	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-6.852	-0.0082	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.358	0.0004	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0063	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-12.546	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-8.225	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-6.824	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0083	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-9.398	-0.0114	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0078	-2.5 to 2.5	Pass
					4.43	-9.584	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-4.878	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-8.712	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-5.722	-0.0069	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.349	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-11.730	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-8.426	-0.0102	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-6.051	-0.0072	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.510	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.796	-0.0093	-2.5 to 2.5	Pass

				50	3.85	-10.314	-0.0123	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-5.293	-0.0062	-2.5 to 2.5	Pass
					3.85	-6.781	-0.0080	-2.5 to 2.5	Pass
					4.43	-6.981	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-10.071	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-12.288	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-11.702	-0.0138	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-7.882	-0.0095	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0105	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-7.553	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-9.370	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-11.301	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-9.270	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-11.215	-0.0136	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-3.347	-0.0040	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0108	-2.5 to 2.5	Pass
					4.43	-7.524	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-7.954	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-6.280	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-7.854	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-10.586	-0.0127	-2.5 to 2.5	Pass
				30	3.85	-6.437	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.490	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-8.025	-0.0096	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-6.466	-0.0076	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0069	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-7.968	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-4.606	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-8.283	-0.0098	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-5.865	-0.0071	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0061	-2.5 to 2.5	Pass
					4.43	-4.463	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass

				-20	3.85	-7.625	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-5.765	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-10.328	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-11.158	-0.0135	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-7.868	-0.0094	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
					4.43	-8.826	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.020	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-6.523	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-8.755	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-9.198	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-9.542	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-11.001	-0.0130	-2.5 to 2.5	Pass
					3.85	-8.068	-0.0095	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-10.200	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-8.841	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-10.643	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-10.729	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0077	-2.5 to 2.5	Pass

2.4 B5_10MHz

2.4.1 Test Result

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	-6.480	-0.0078	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0062	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-10.629	-0.0128	-2.5 to 2.5	Pass
				0	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.008	-0.0072	-2.5 to 2.5	Pass
					3.85	-7.324	-0.0088	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-8.154	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-7.854	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass

				40	3.85	-9.298	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-5.121	-0.0061	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-8.597	-0.0102	-2.5 to 2.5	Pass
					3.85	-5.879	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-5.250	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-7.939	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-7.811	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-2.260	-0.0027	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0065	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-3.877	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-6.065	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0063	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-8.497	-0.0102	-2.5 to 2.5	Pass
					3.85	-7.625	-0.0091	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-6.108	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-10.958	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-7.195	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.410	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-9.813	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-8.869	-0.0105	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.924	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-8.297	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-11.573	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-8.855	-0.0105	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 B5_1.4MHz

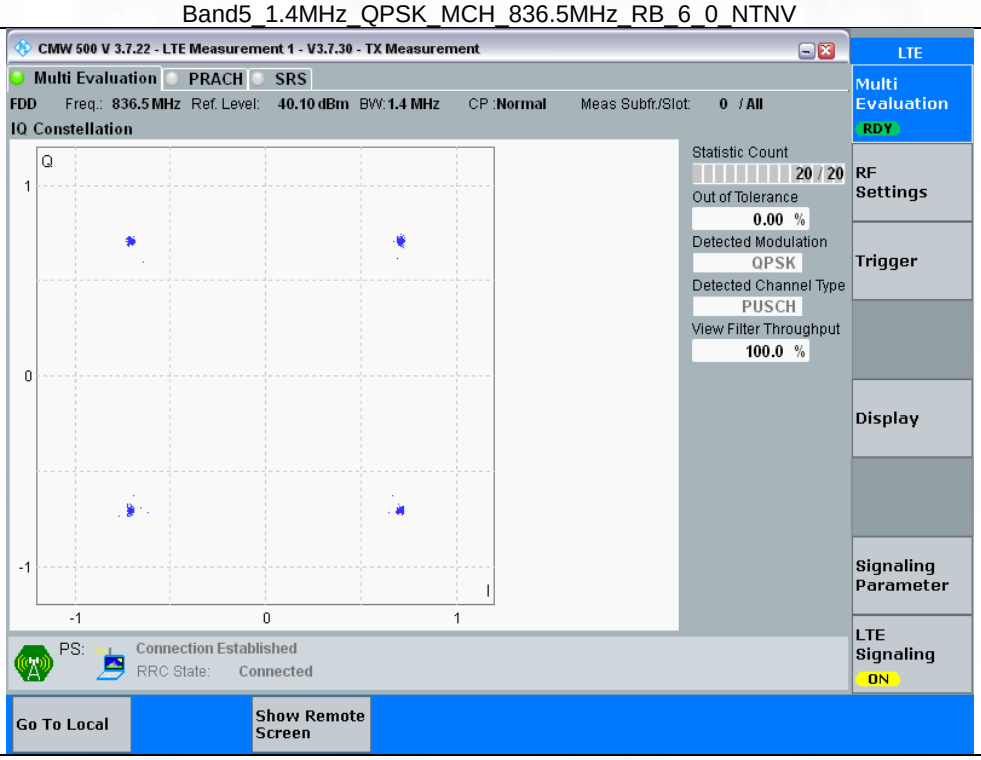
3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

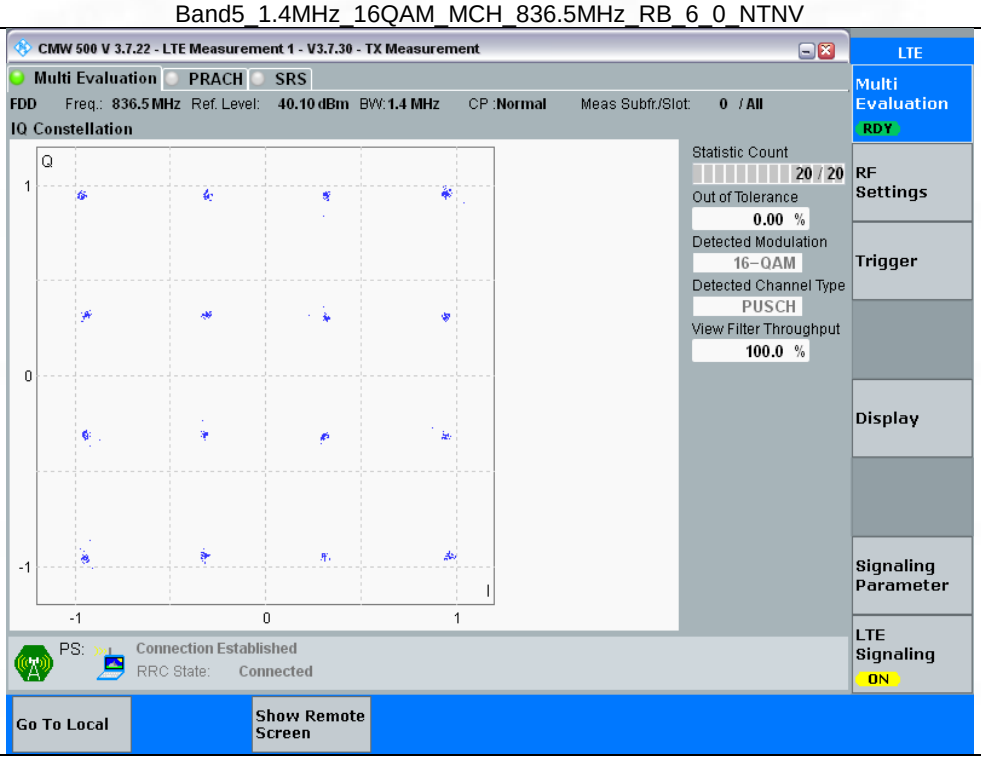
QPSK	836.5	6	0	Refer To Test Graph	Pass
16QAM	836.5	6	0	Refer To Test Graph	Pass

3.1.2 Test Graph

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



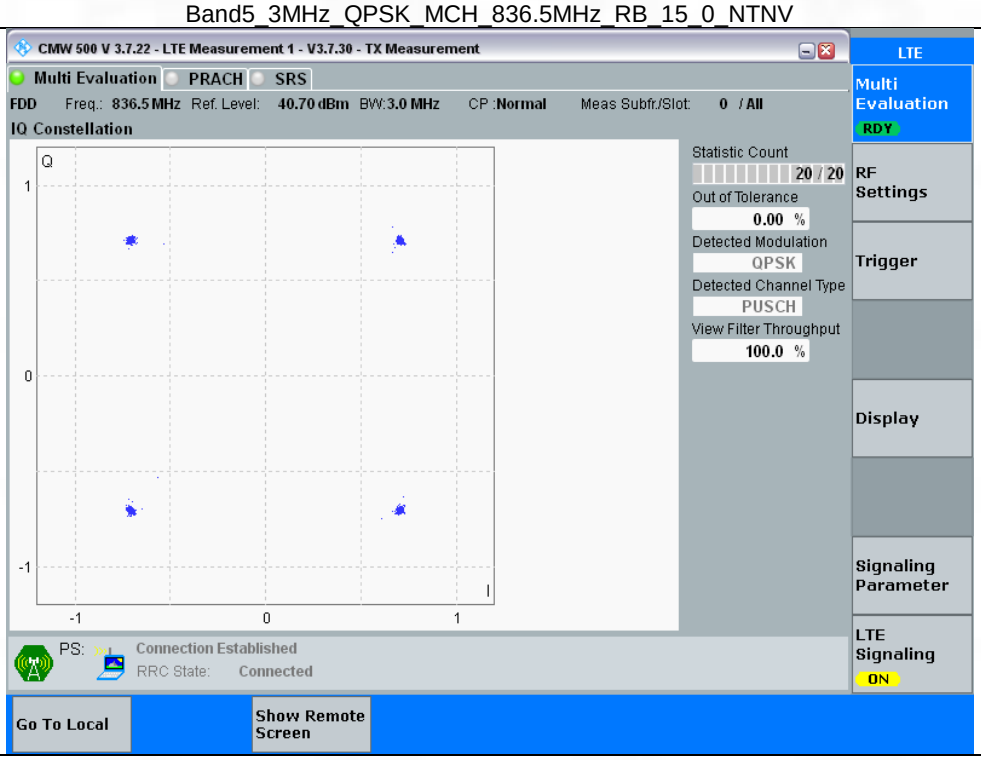
3.2 B5_3MHz

3.2.1 Test Result

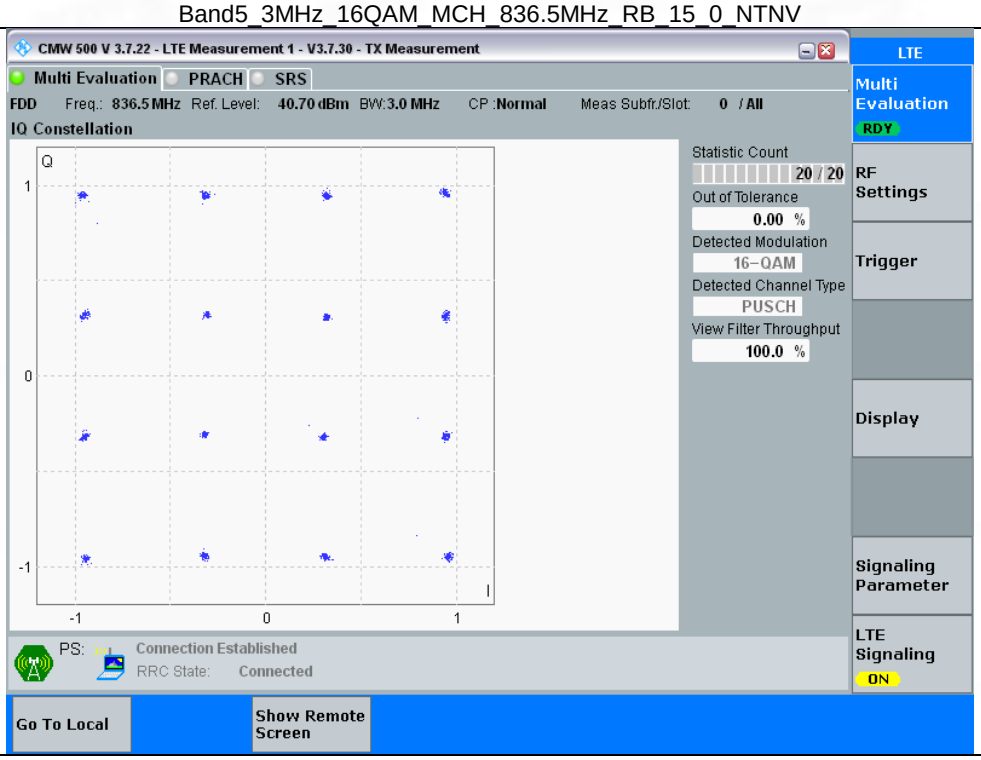
Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



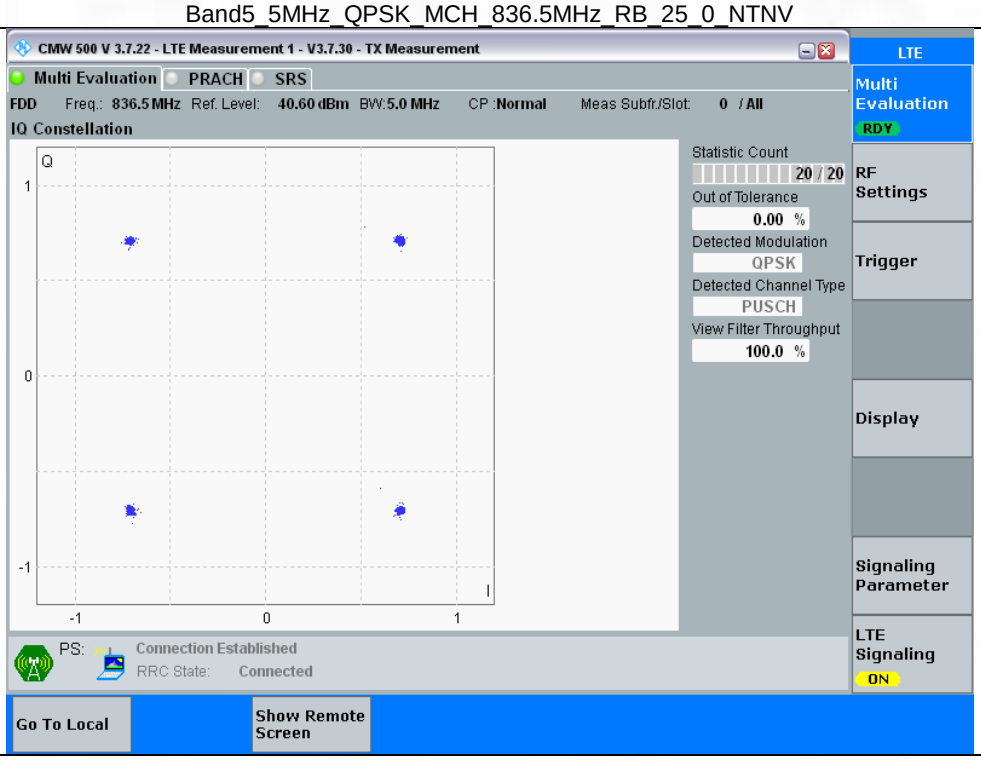
3.3 B5_5MHz

3.3.1 Test Result

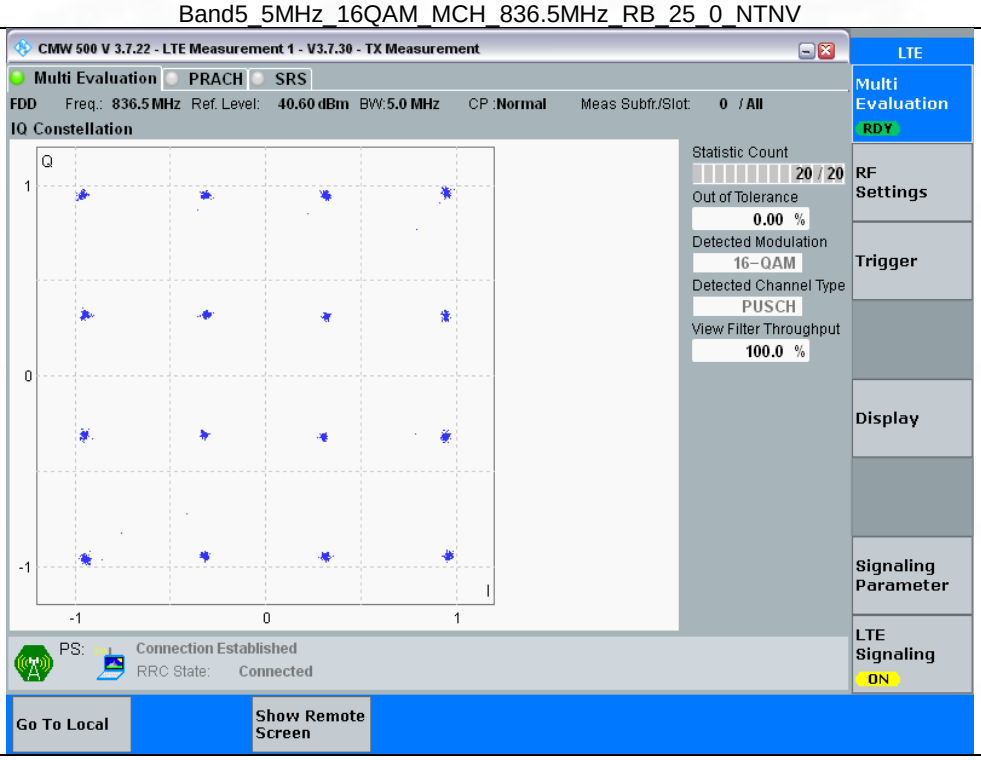
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



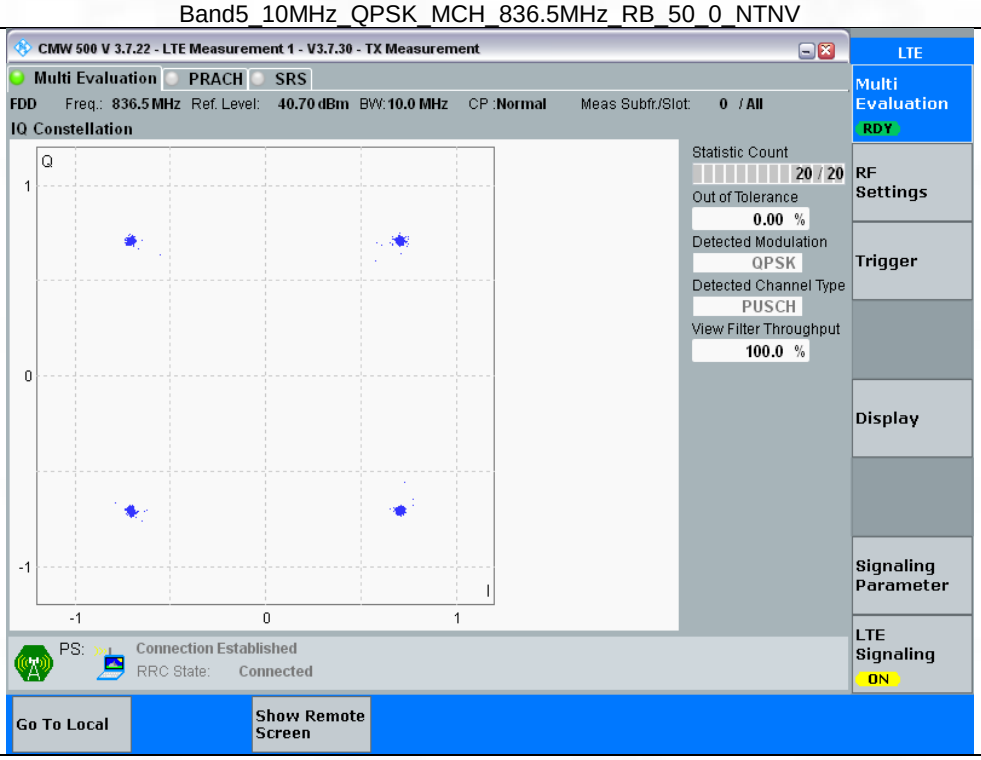
3.4 B5_10MHz

3.4.1 Test Result

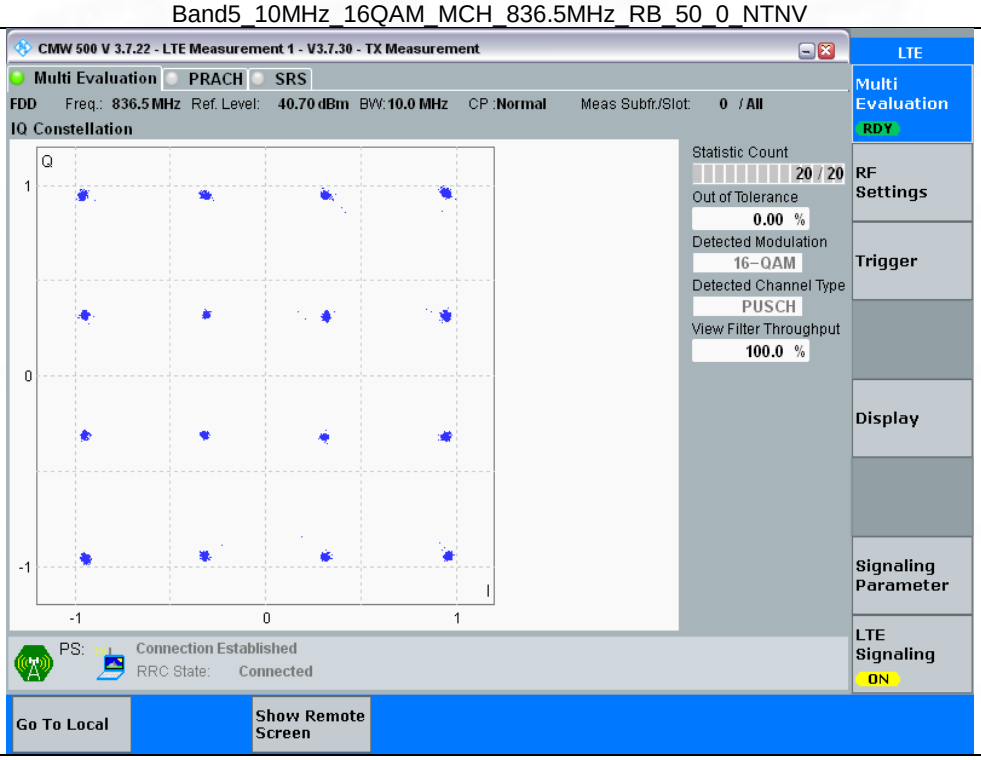
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

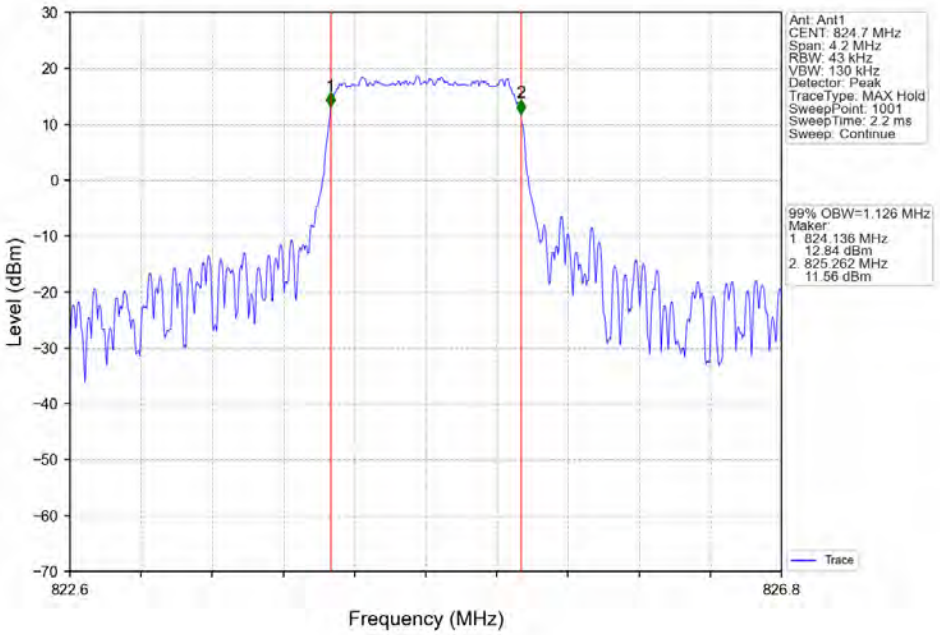
4.1 Band5_OBW

4.1.1 Test Result

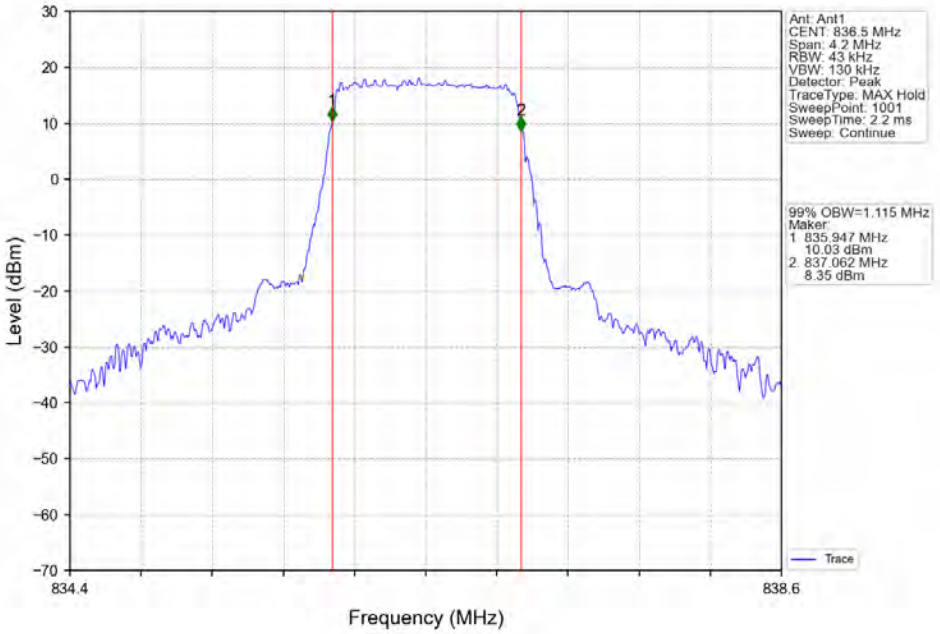
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.126	/	Pass
		836.5	6	0	1.115	/	Pass
		848.3	6	0	1.119	/	Pass
	16QAM	824.7	6	0	1.106	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.106	/	Pass
3	QPSK	825.5	15	0	2.735	/	Pass
		836.5	15	0	2.740	/	Pass
		847.5	15	0	2.724	/	Pass
	16QAM	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.721	/	Pass
		847.5	15	0	2.720	/	Pass
5	QPSK	826.5	25	0	4.542	/	Pass
		836.5	25	0	4.537	/	Pass
		846.5	25	0	4.545	/	Pass
	16QAM	826.5	25	0	4.547	/	Pass
		836.5	25	0	4.550	/	Pass
		846.5	25	0	4.524	/	Pass
10	QPSK	829	50	0	9.029	/	Pass
		836.5	50	0	9.059	/	Pass
		844	50	0	9.029	/	Pass
	16QAM	829	50	0	9.040	/	Pass
		836.5	50	0	9.050	/	Pass
		844	50	0	9.048	/	Pass

4.1.2 Test Graph

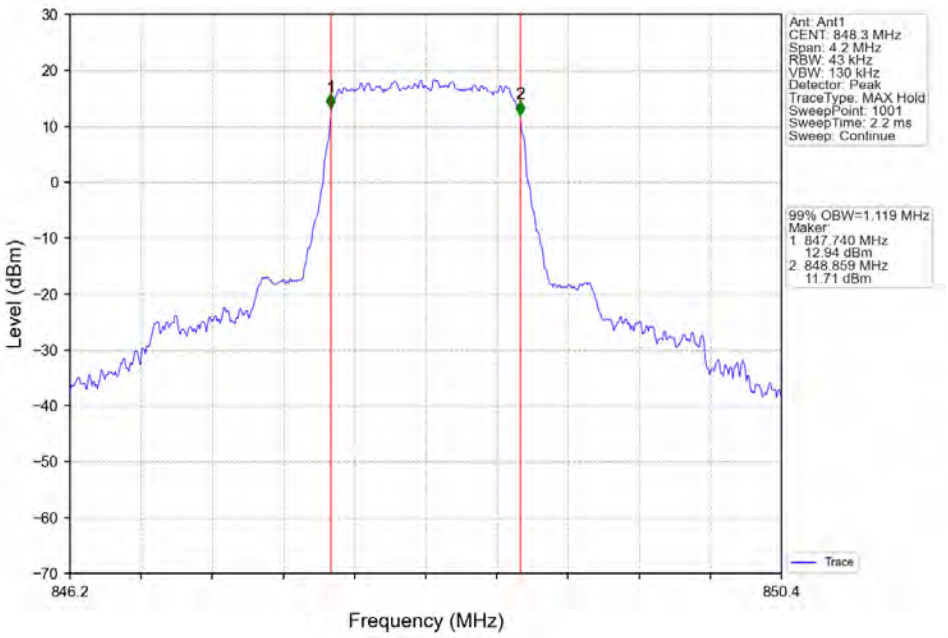
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



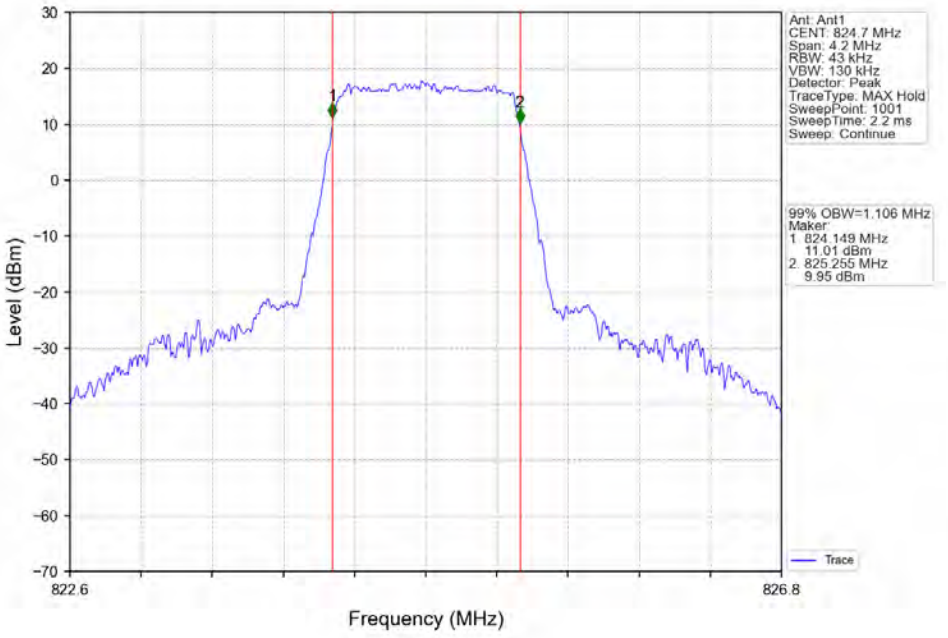
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



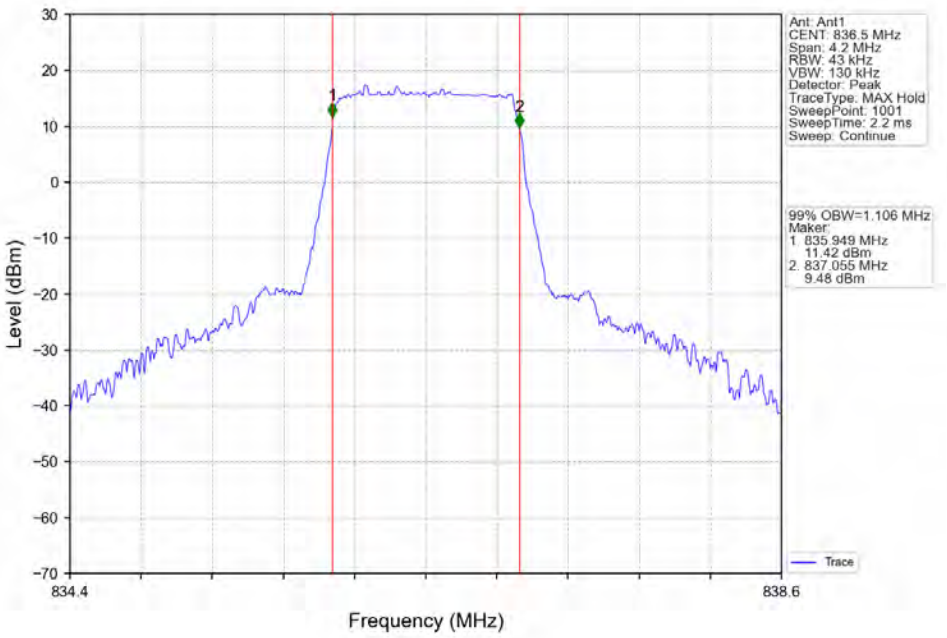
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



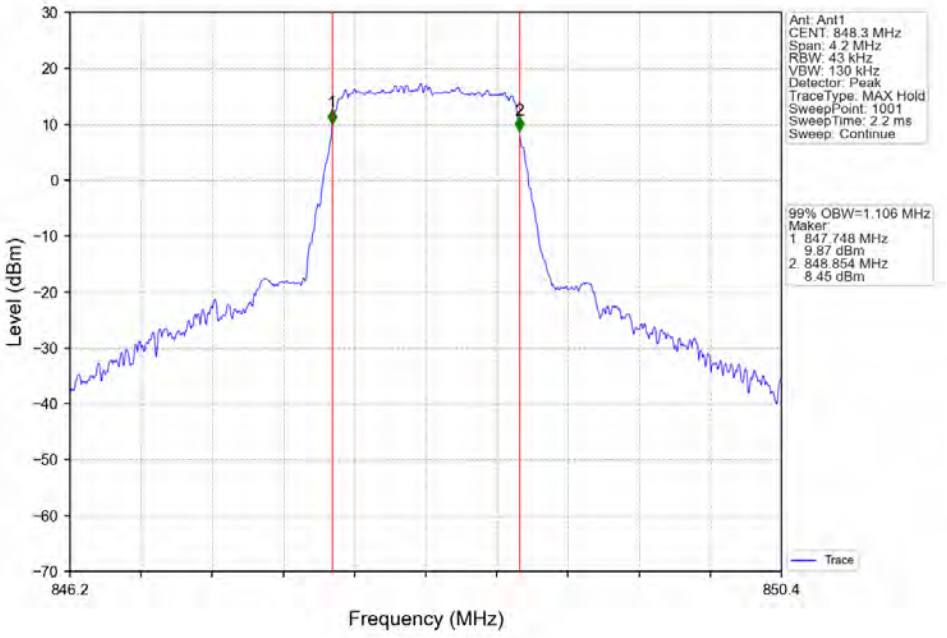
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



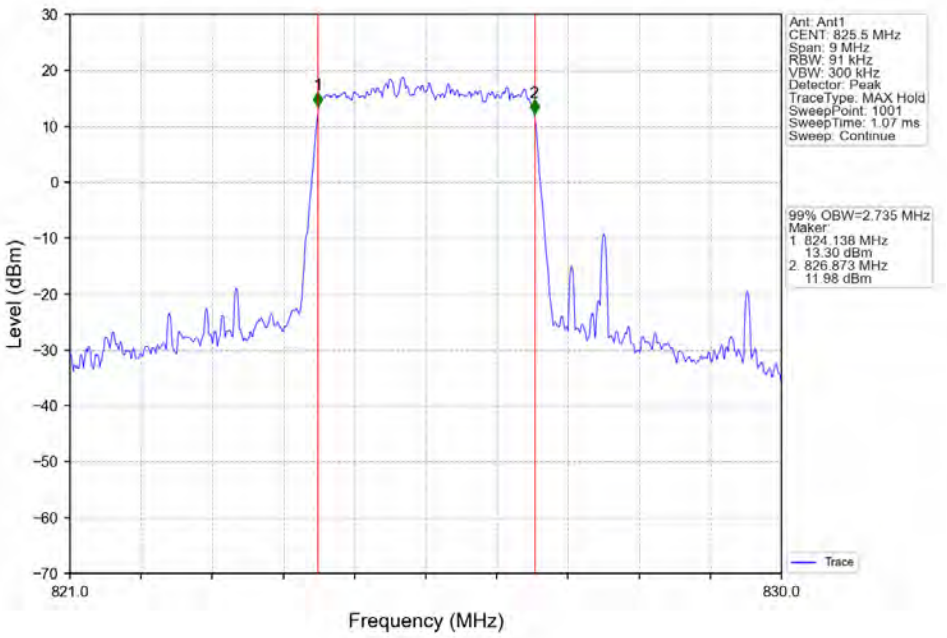
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



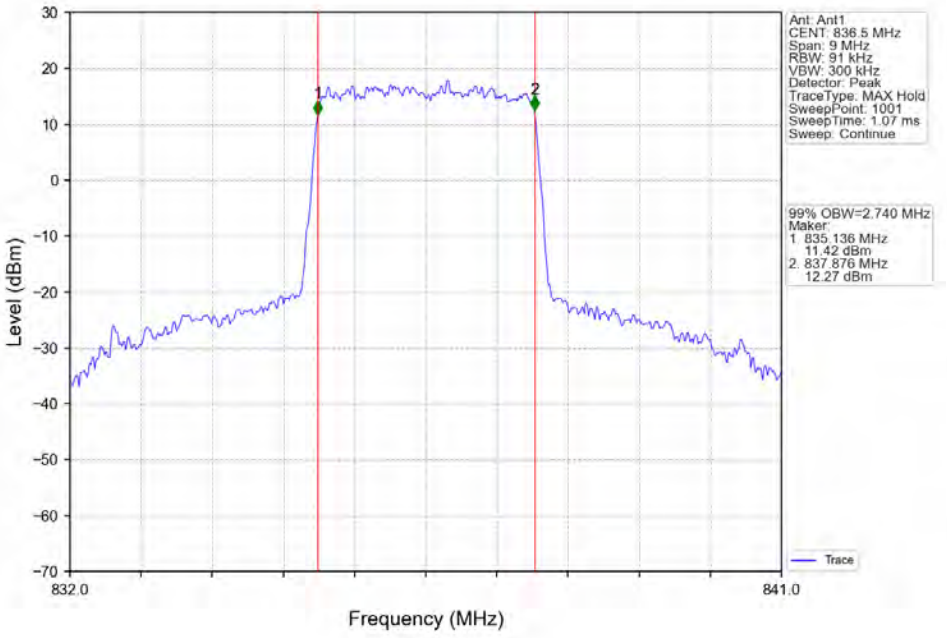
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



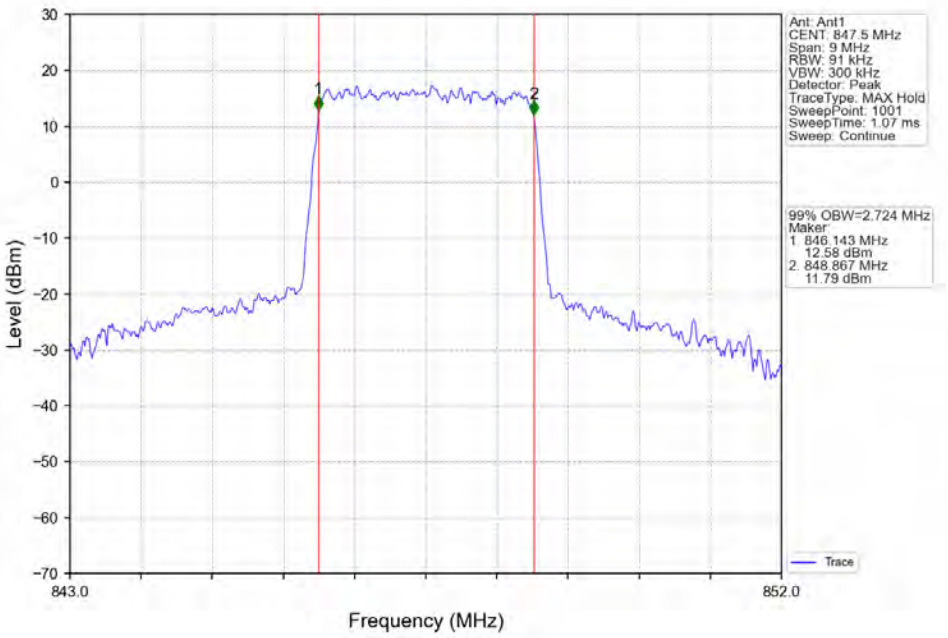
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



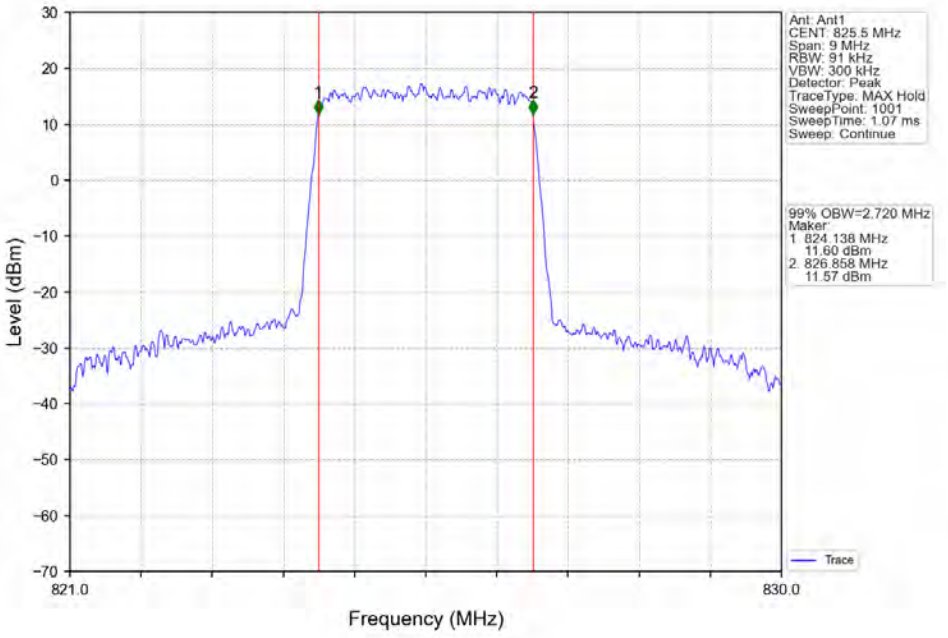
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



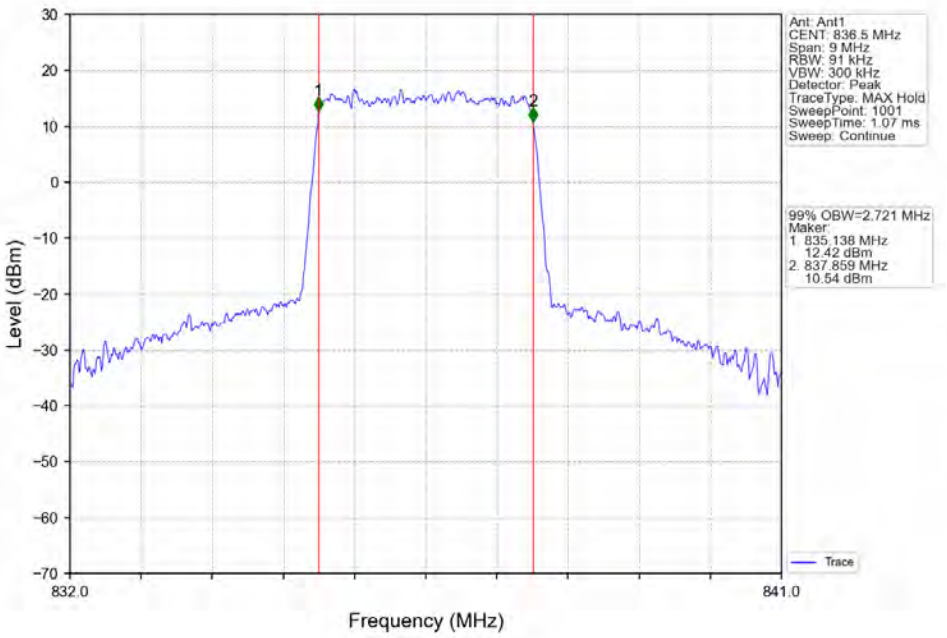
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



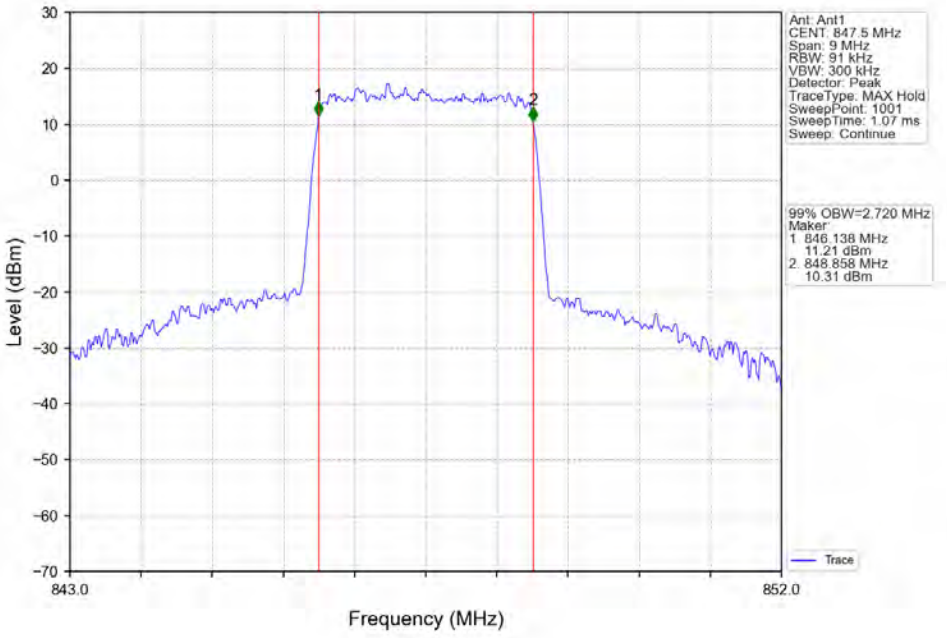
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



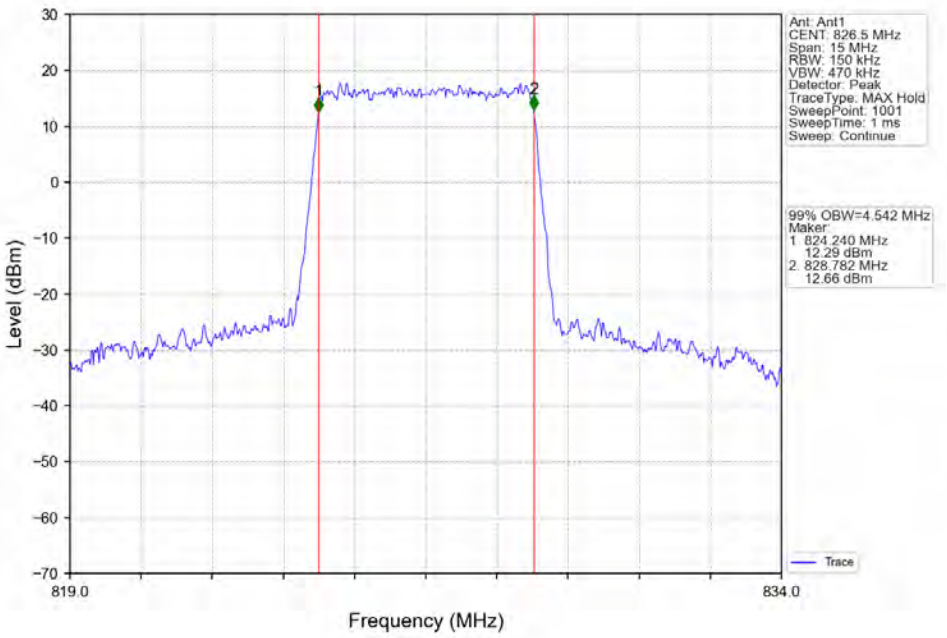
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



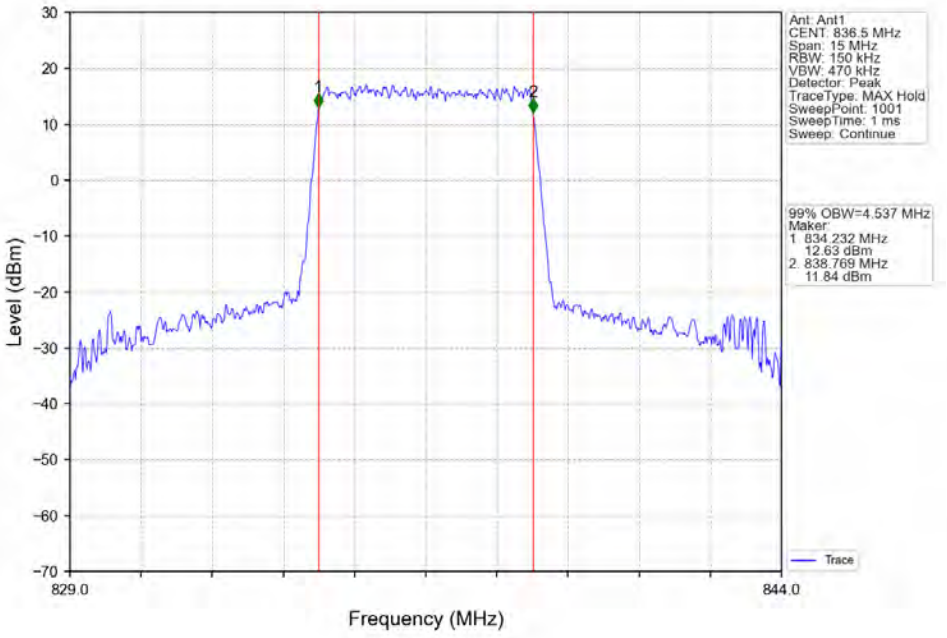
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



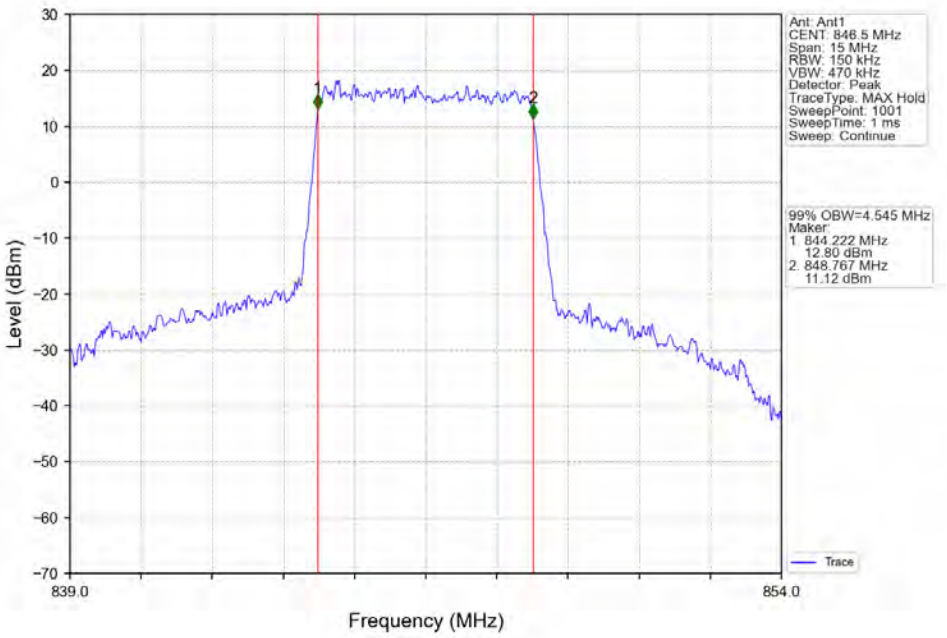
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



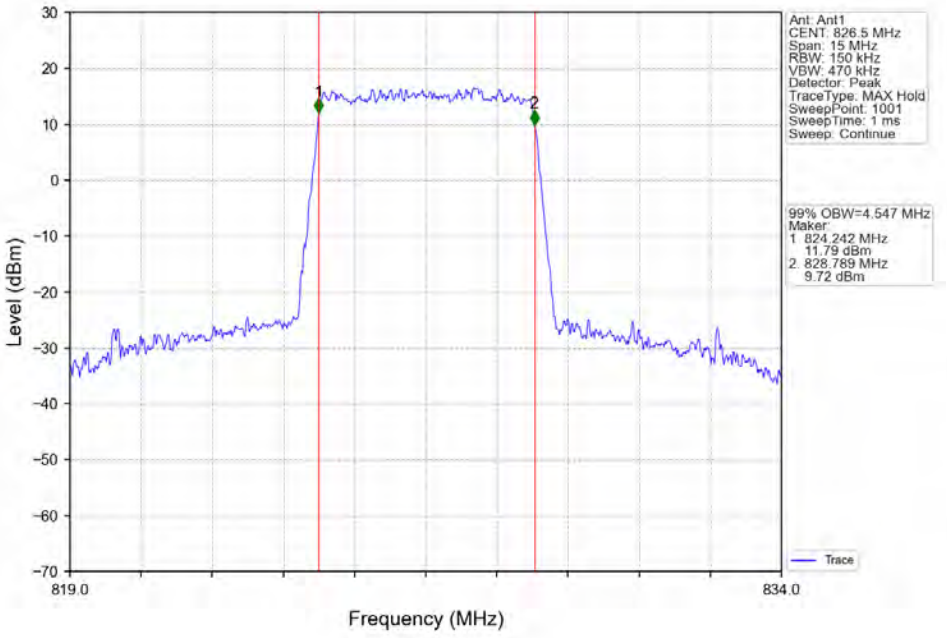
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



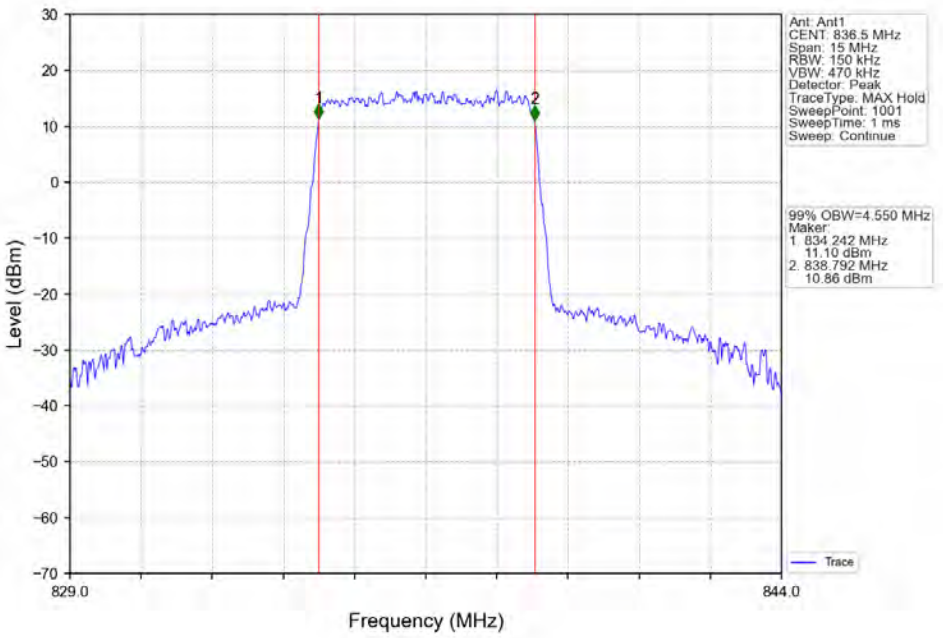
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



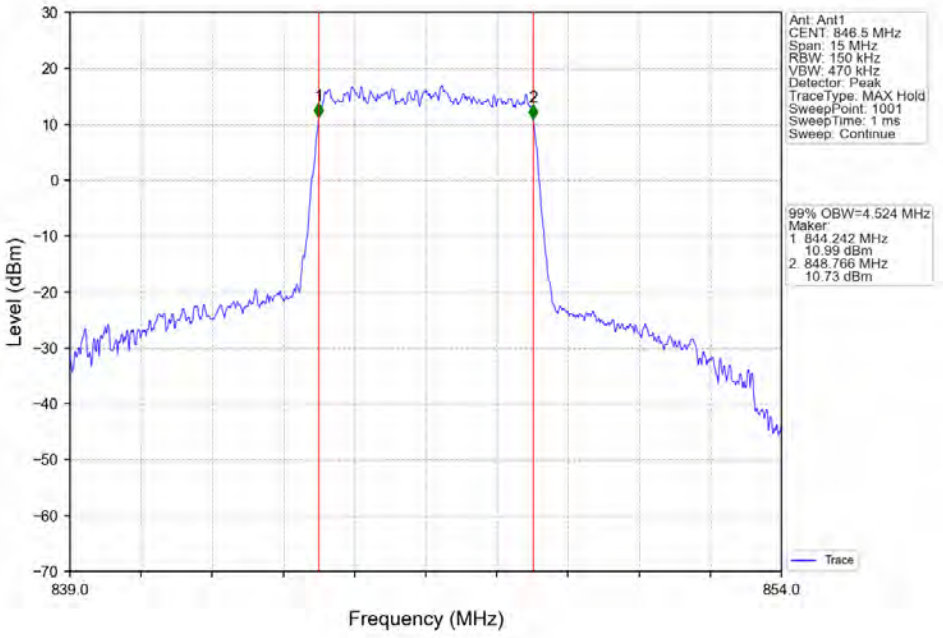
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



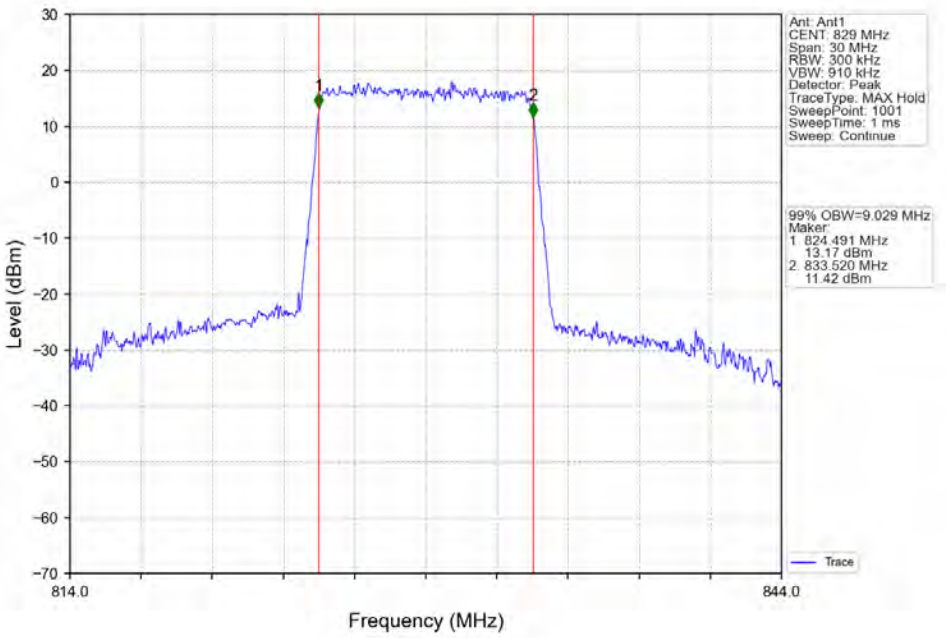
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



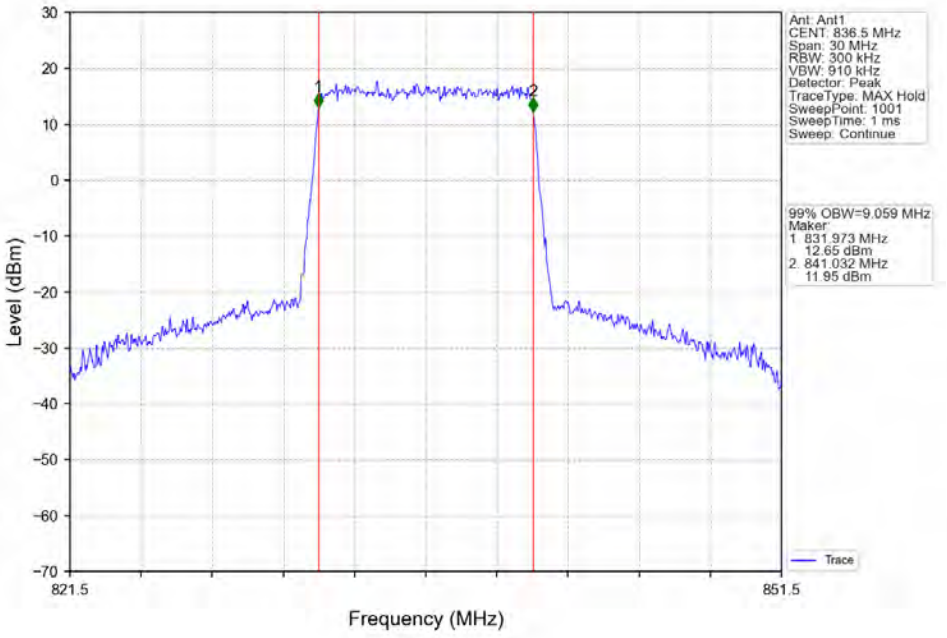
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



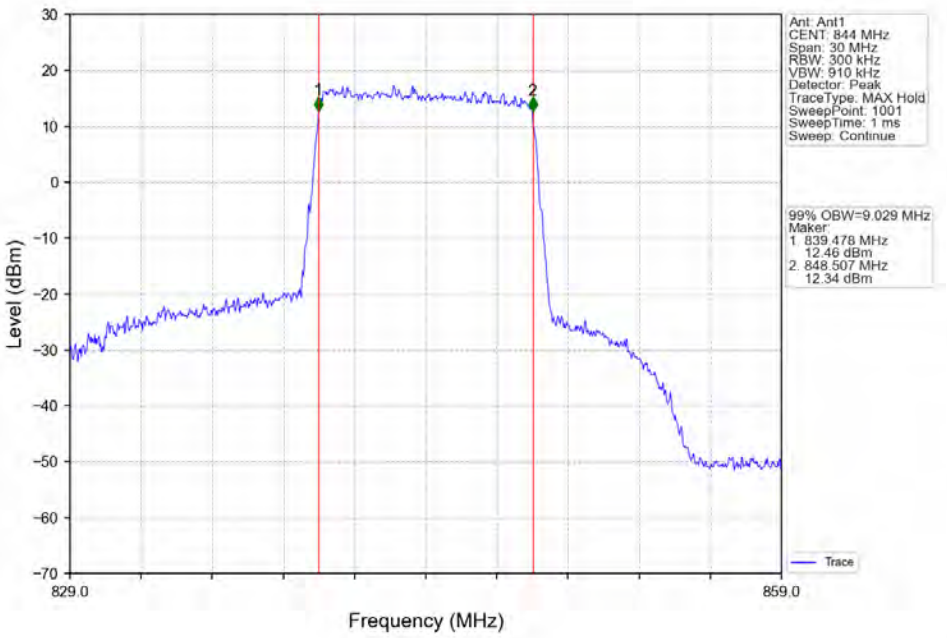
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



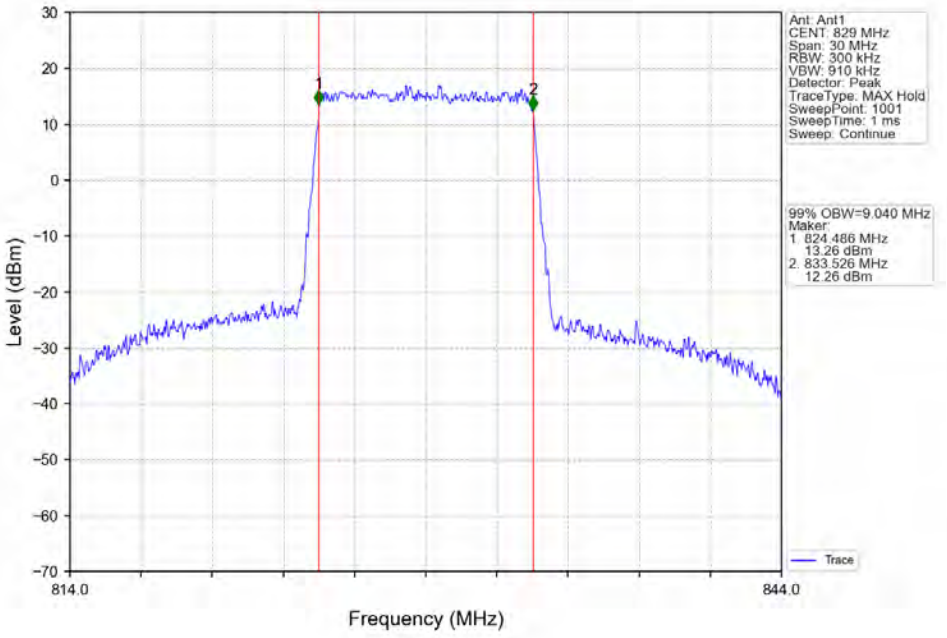
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



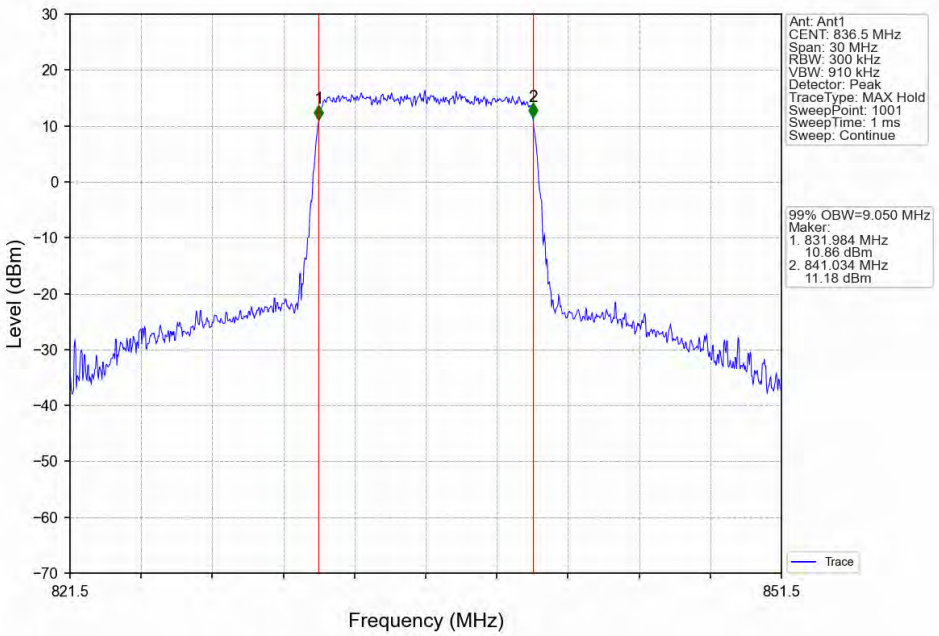
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



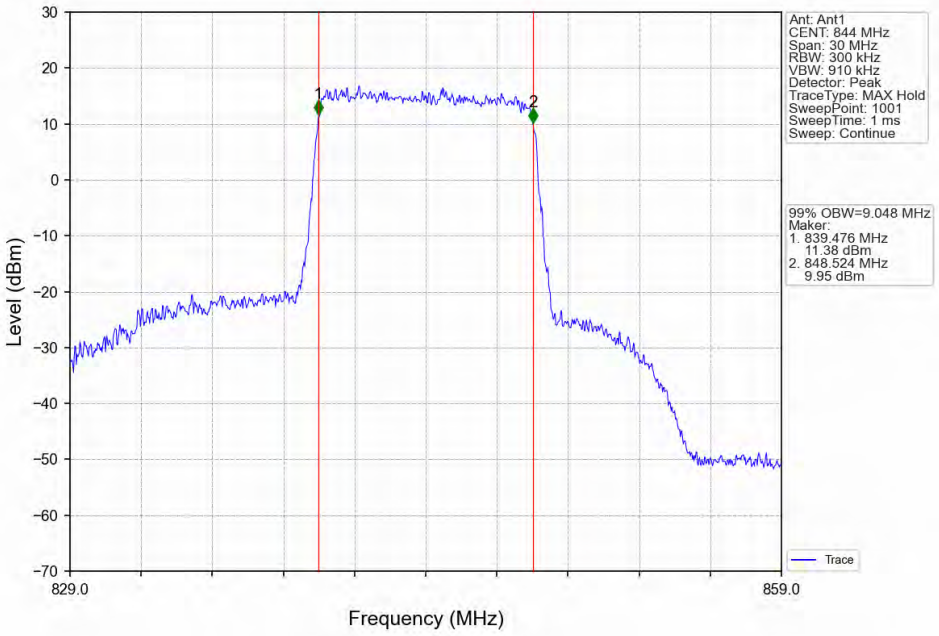
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



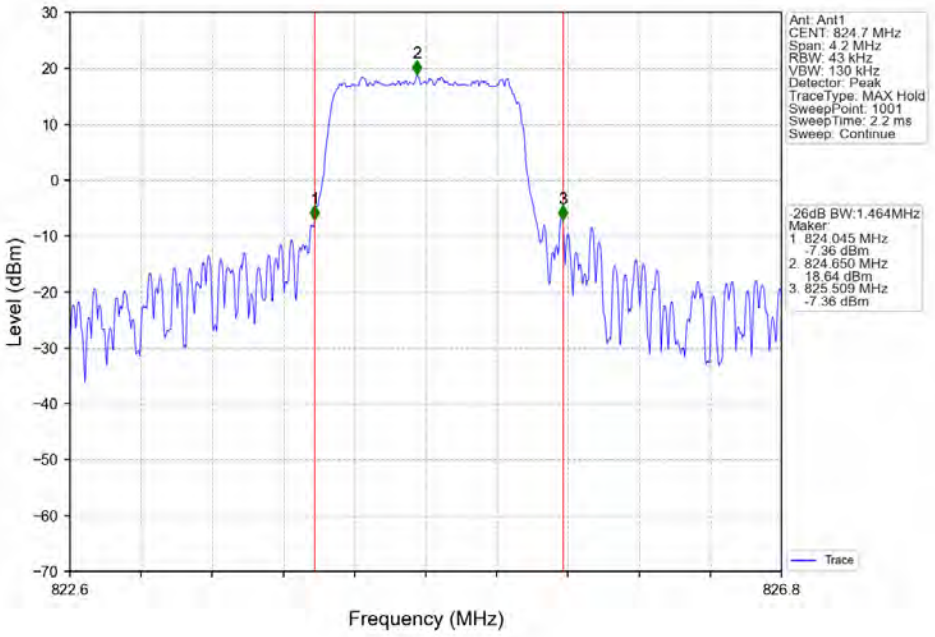
4.2 Band5_XDB

4.2.1 Test Result

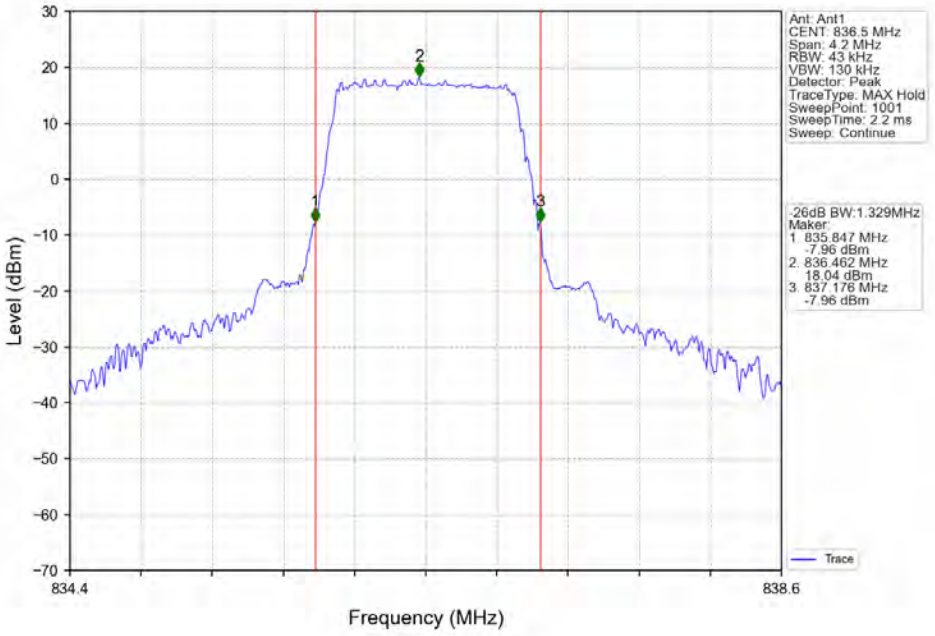
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.464	/	Pass
		836.5	6	0	1.329	/	Pass
		848.3	6	0	1.310	/	Pass
	16QAM	824.7	6	0	1.319	/	Pass
		836.5	6	0	1.304	/	Pass
		848.3	6	0	1.319	/	Pass
3	QPSK	825.5	15	0	2.982	/	Pass
		836.5	15	0	2.989	/	Pass
		847.5	15	0	2.994	/	Pass
	16QAM	825.5	15	0	2.998	/	Pass
		836.5	15	0	2.995	/	Pass
		847.5	15	0	2.980	/	Pass
5	QPSK	826.5	25	0	5.039	/	Pass
		836.5	25	0	5.011	/	Pass
		846.5	25	0	4.984	/	Pass
	16QAM	826.5	25	0	5.026	/	Pass
		836.5	25	0	5.066	/	Pass
		846.5	25	0	4.977	/	Pass
10	QPSK	829	50	0	9.924	/	Pass
		836.5	50	0	9.966	/	Pass
		844	50	0	9.925	/	Pass
	16QAM	829	50	0	9.874	/	Pass
		836.5	50	0	9.936	/	Pass
		844	50	0	9.882	/	Pass

4.2.2 Test Graph

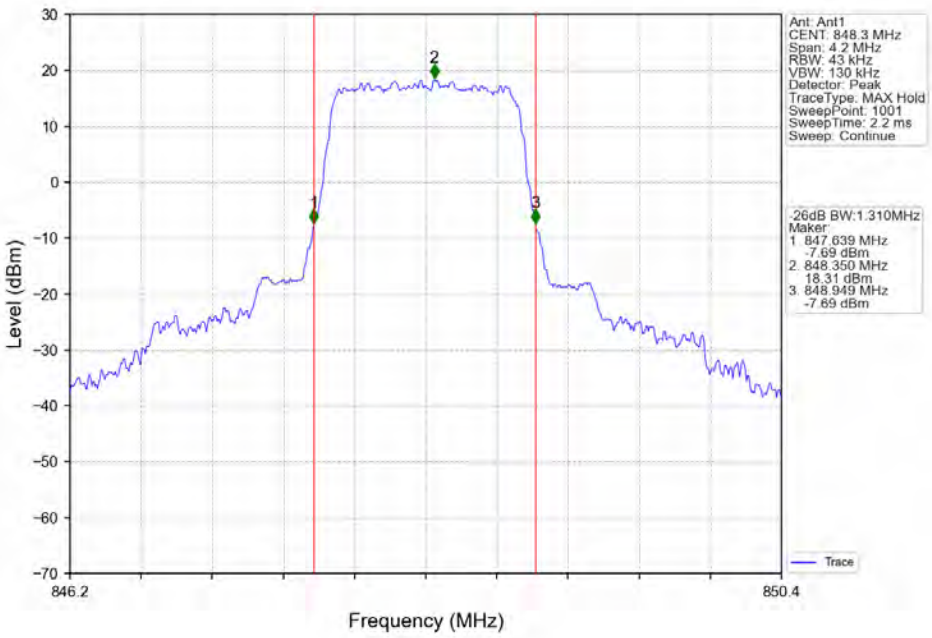
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



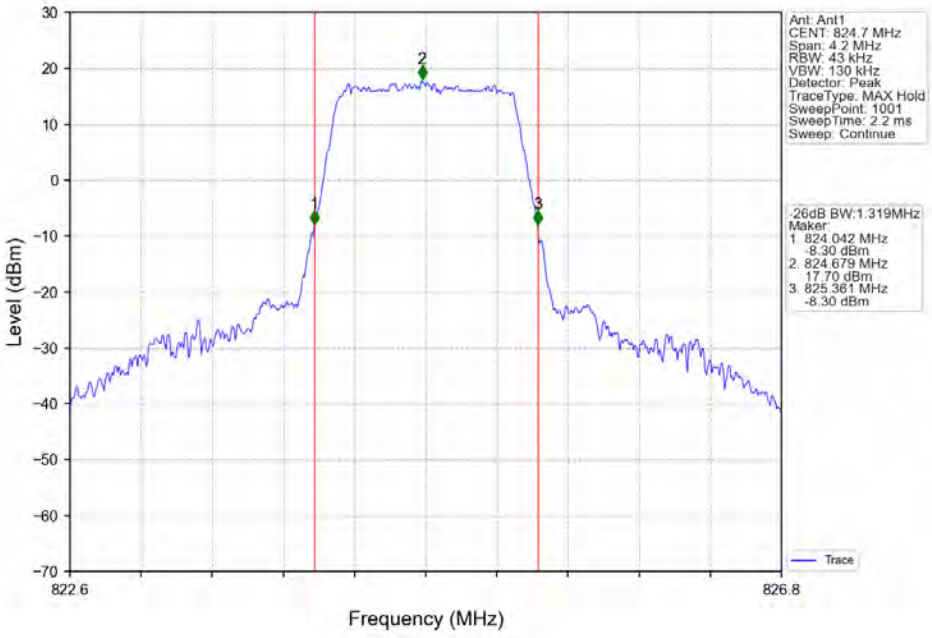
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



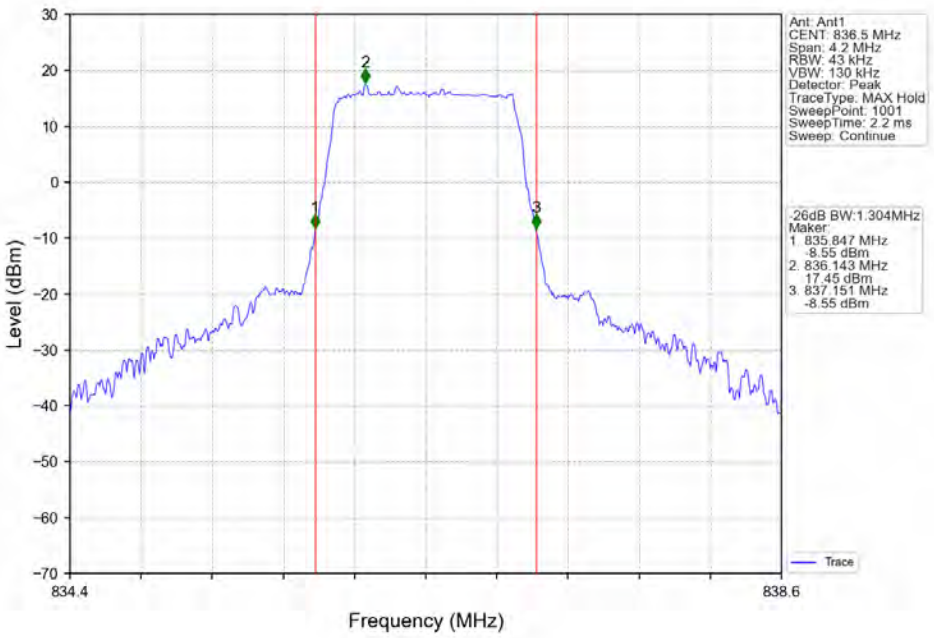
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



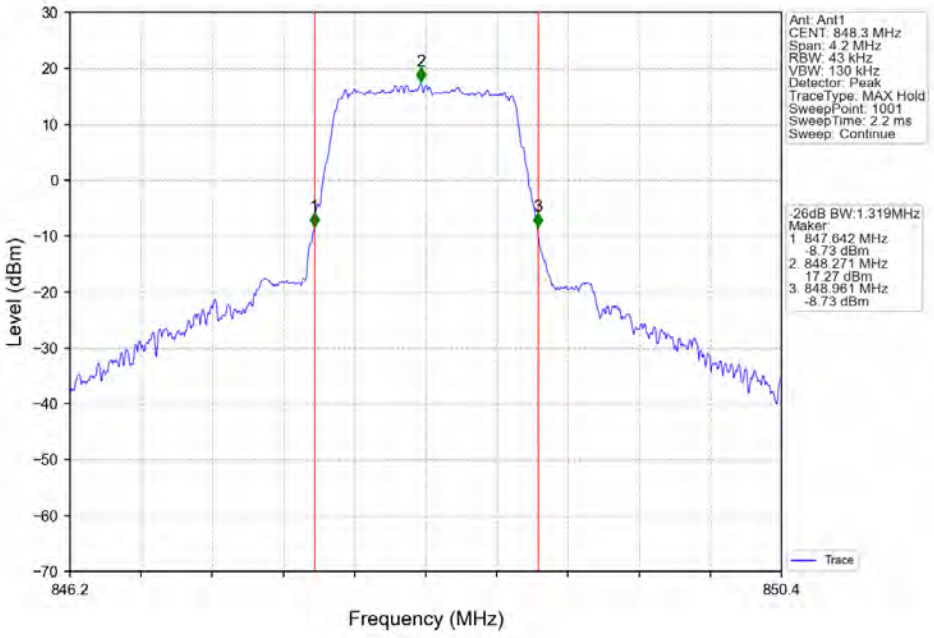
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



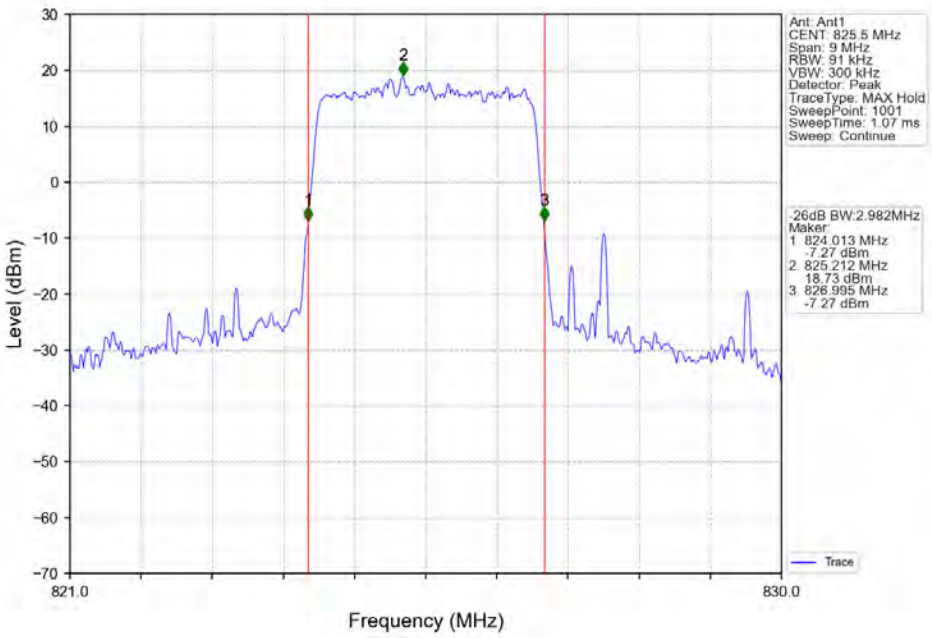
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



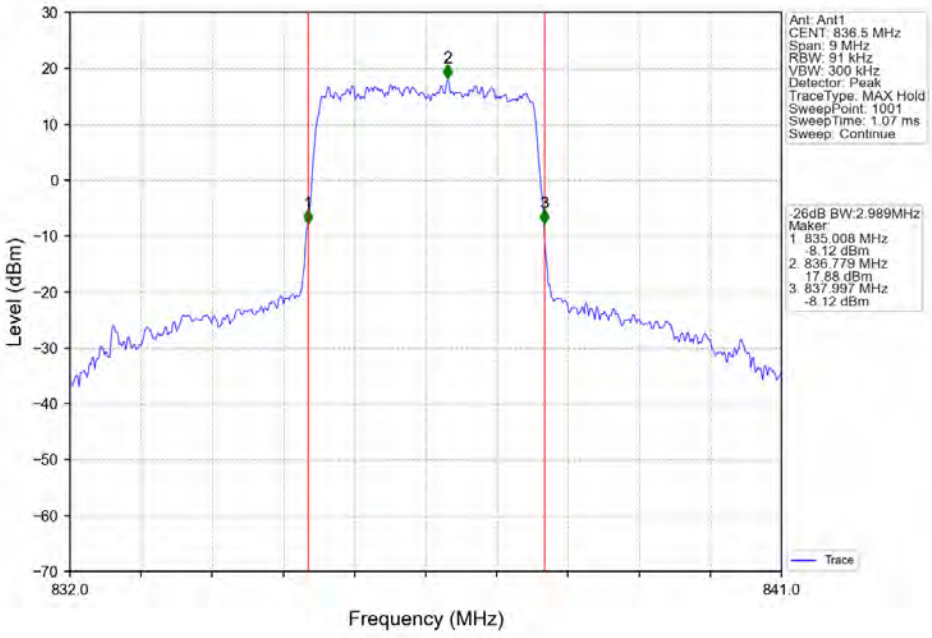
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



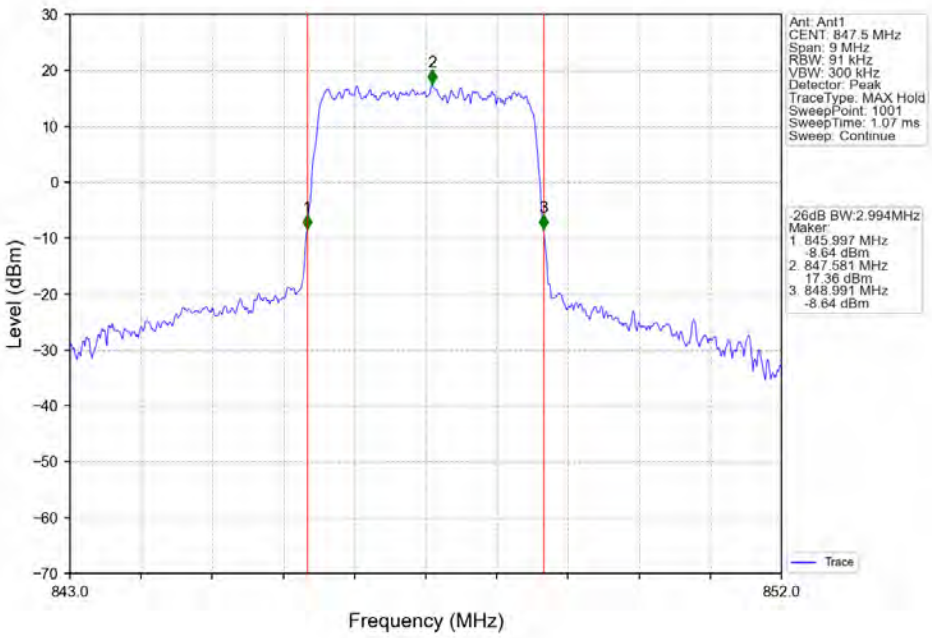
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



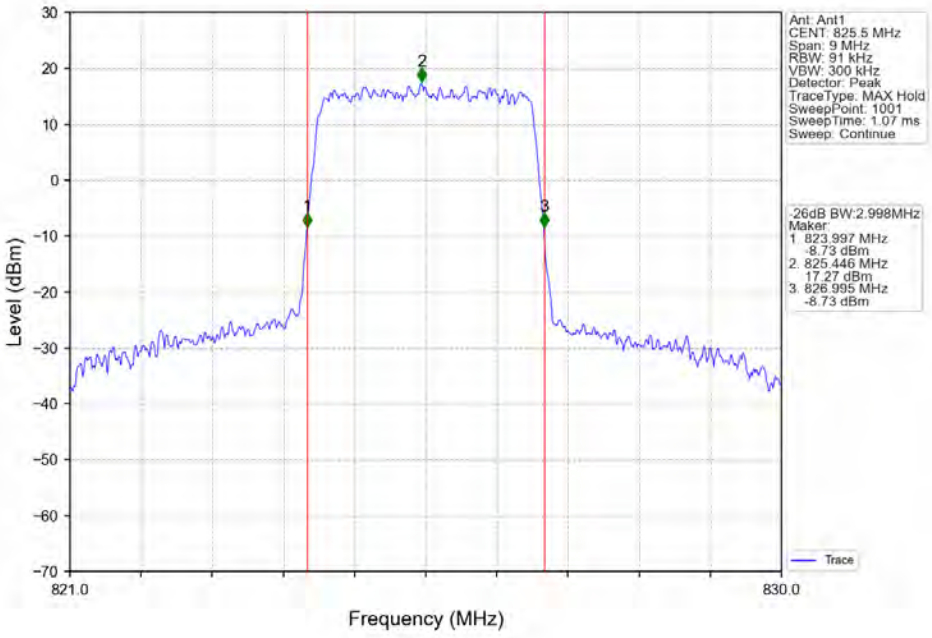
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



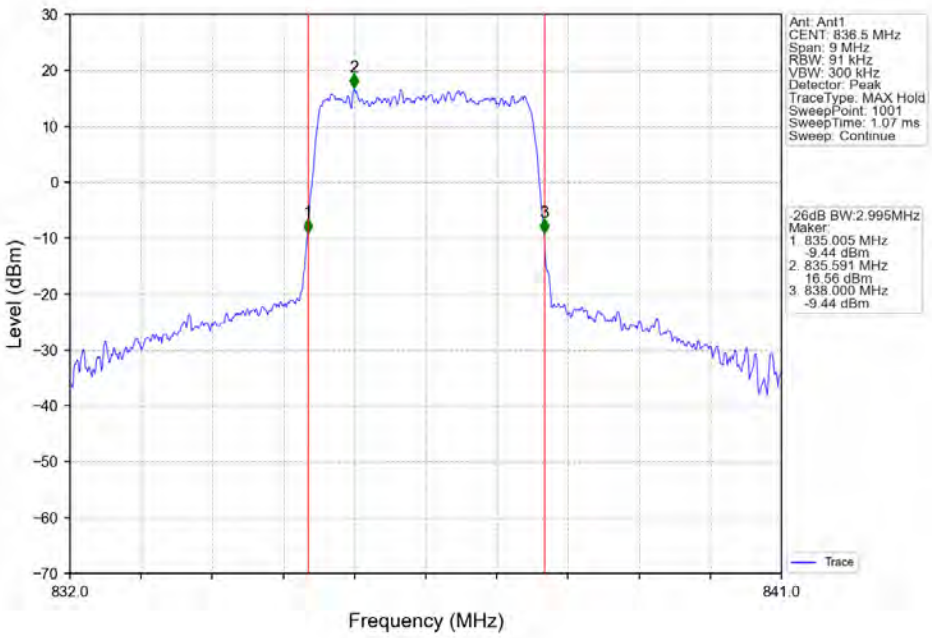
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



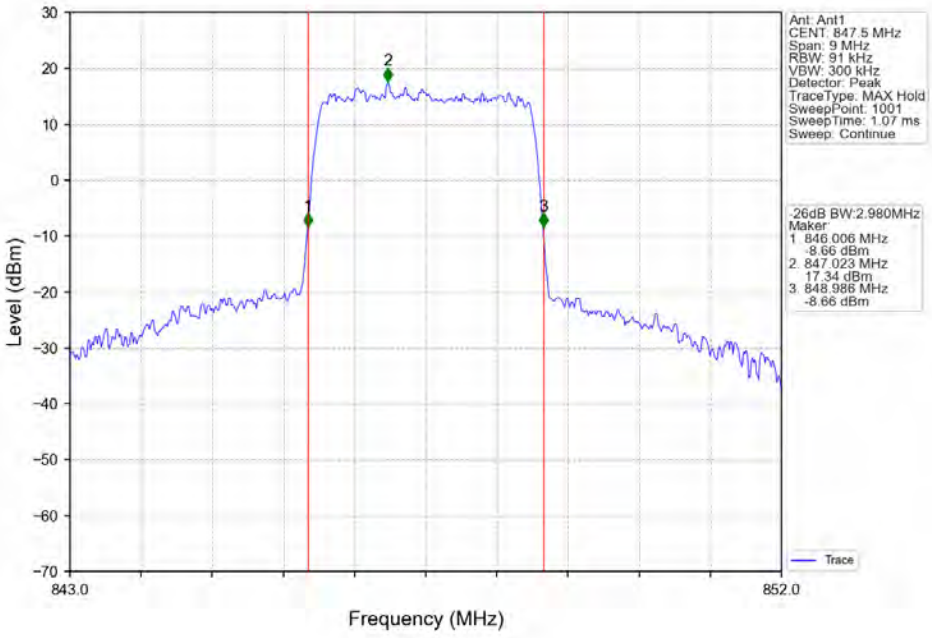
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



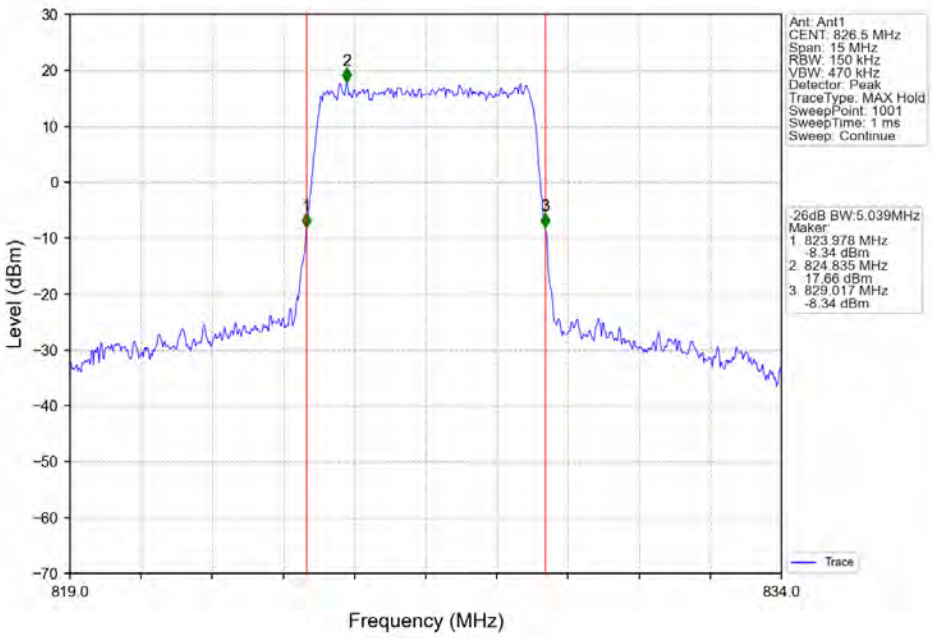
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



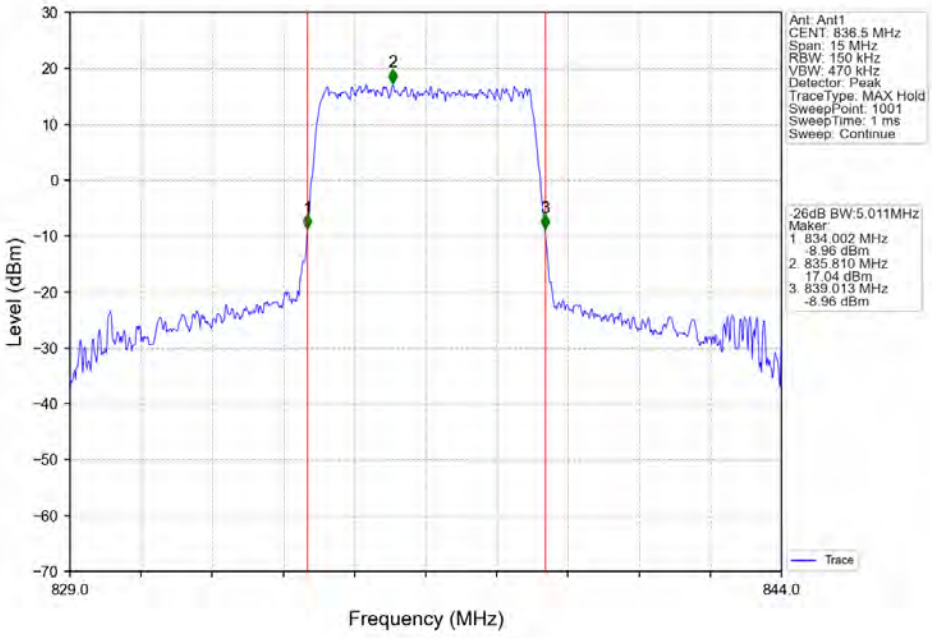
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



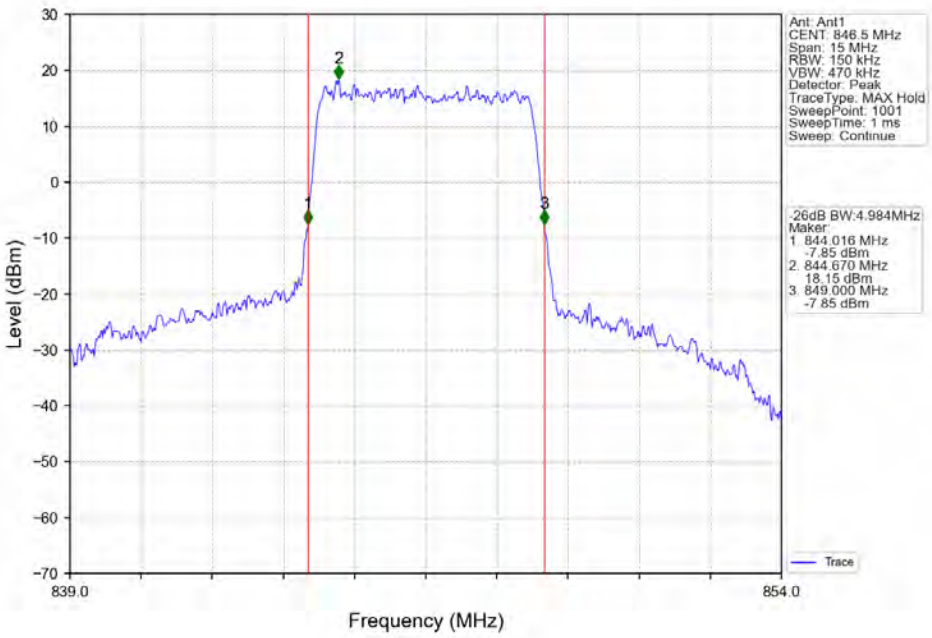
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



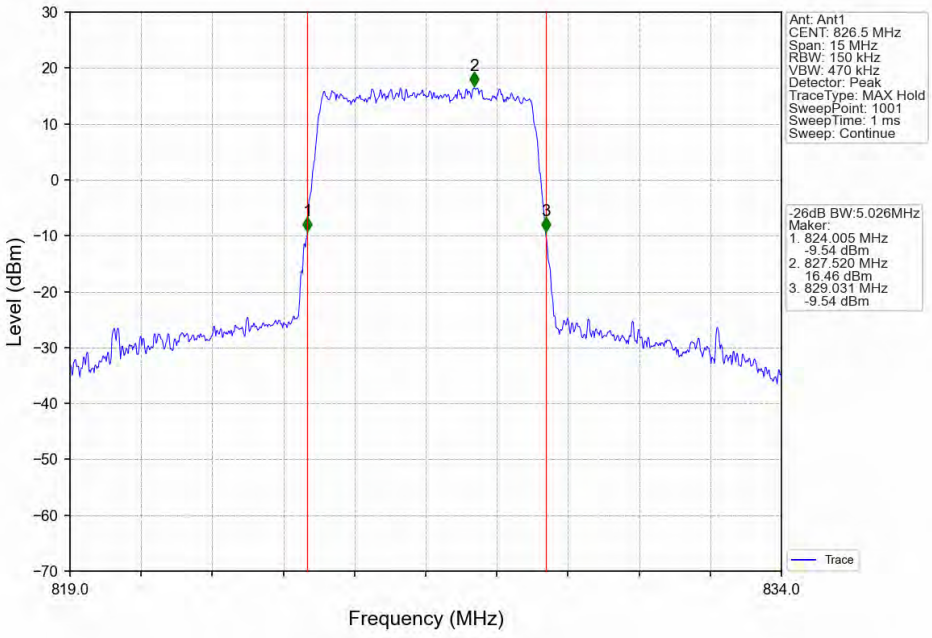
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



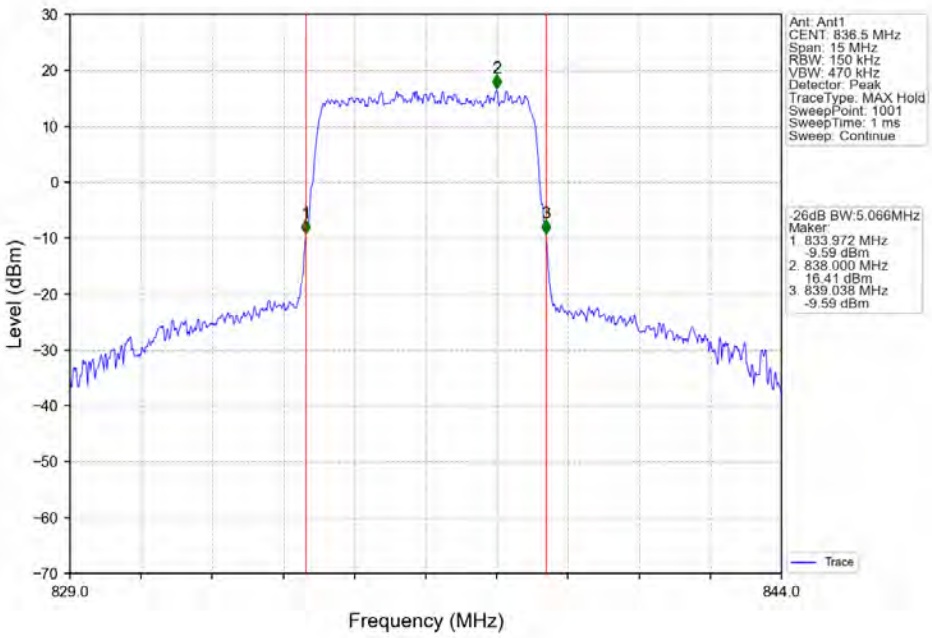
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



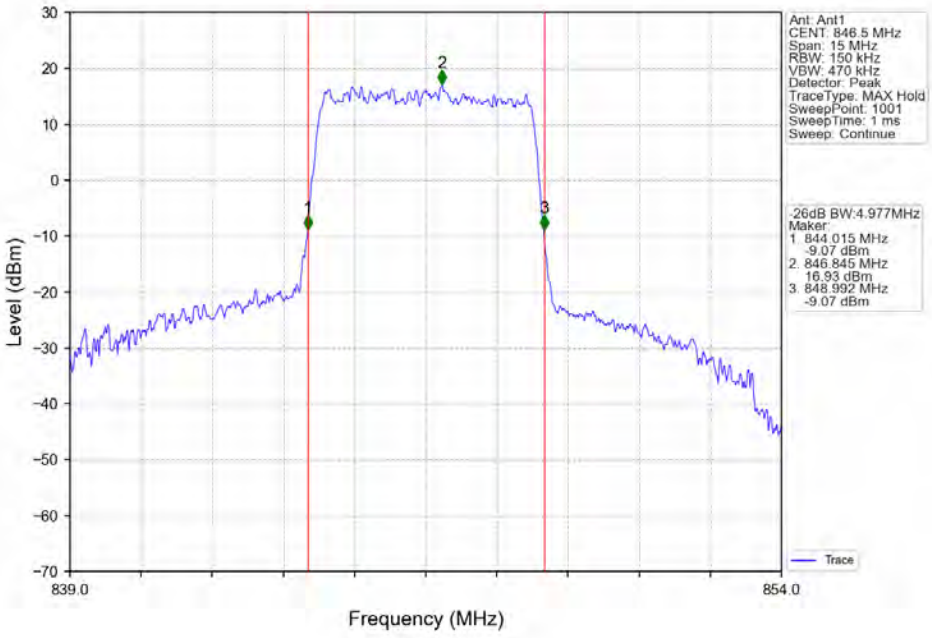
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



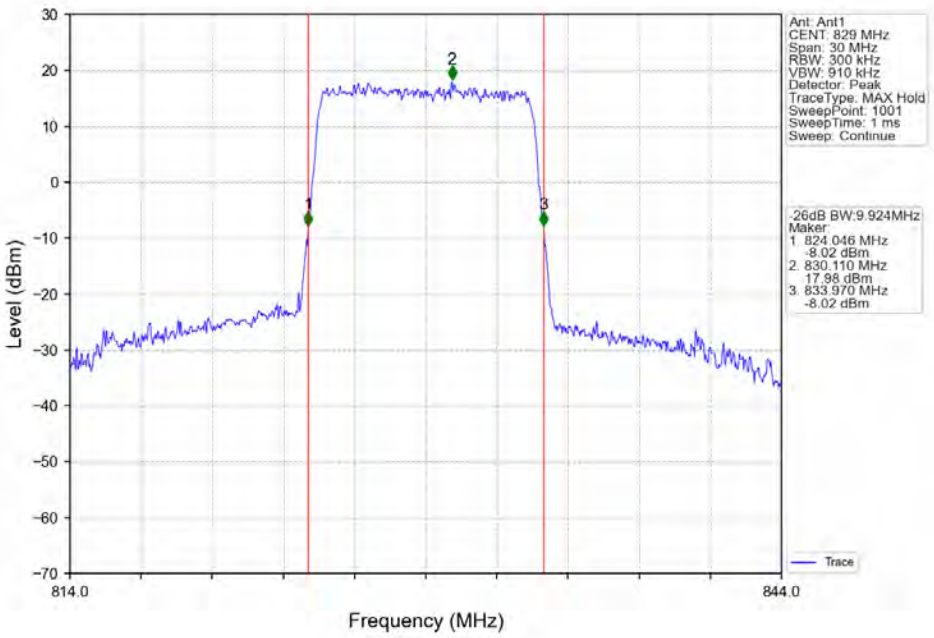
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



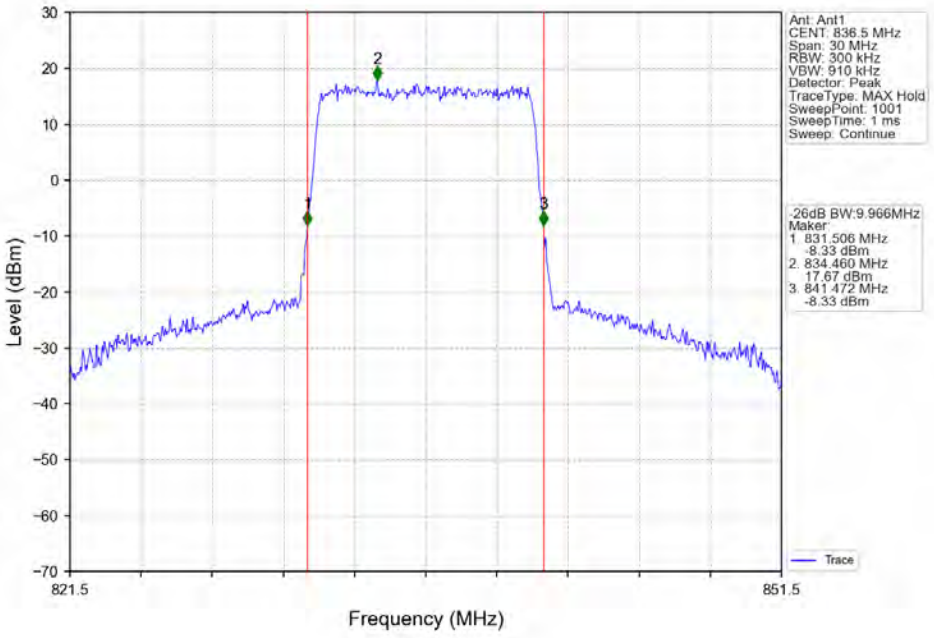
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



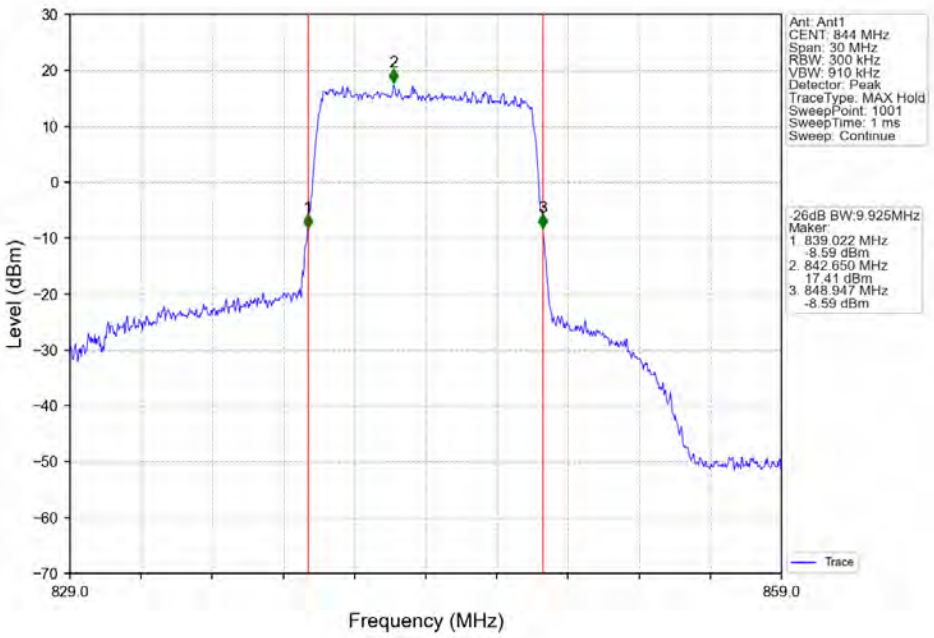
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



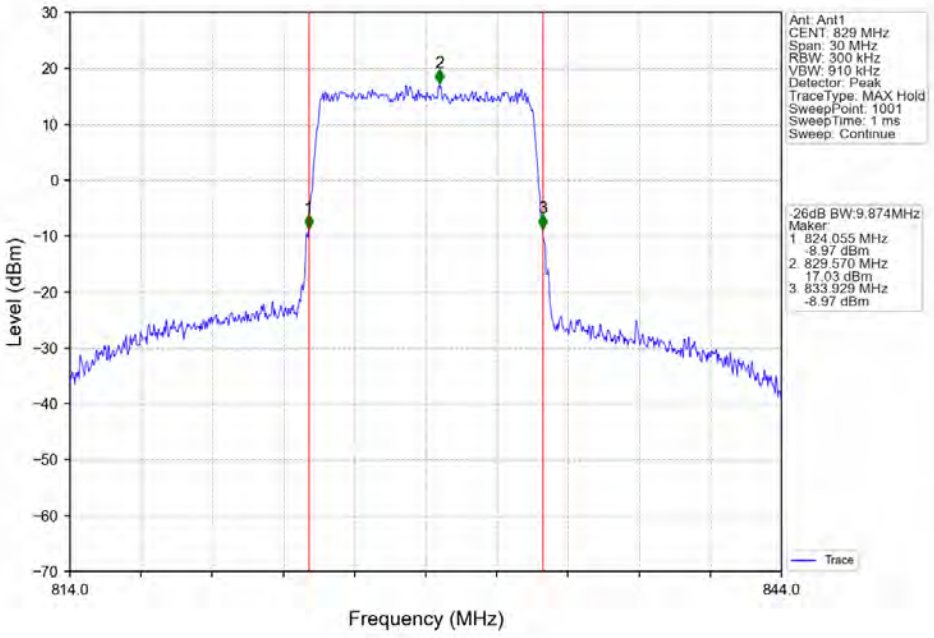
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



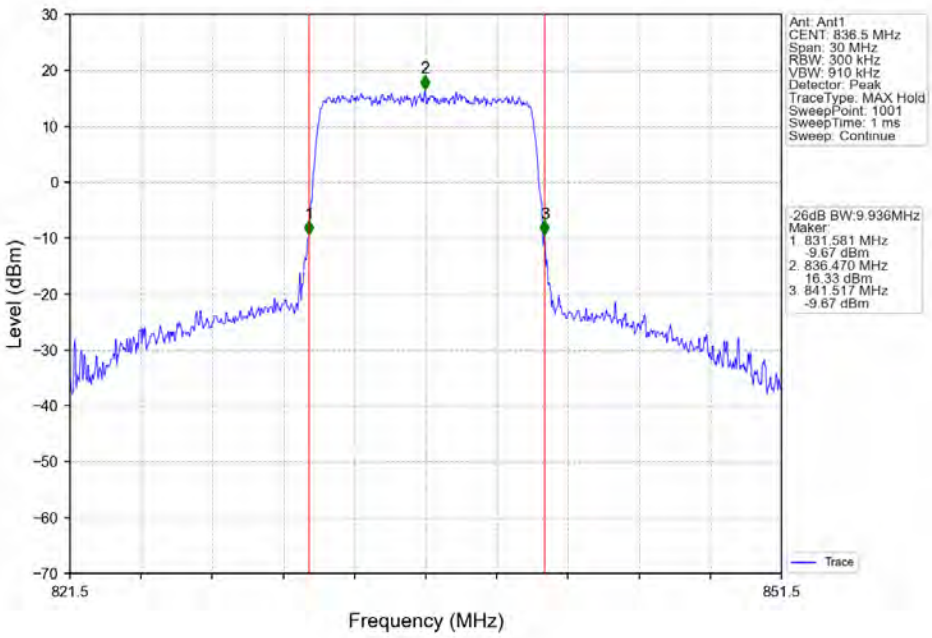
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



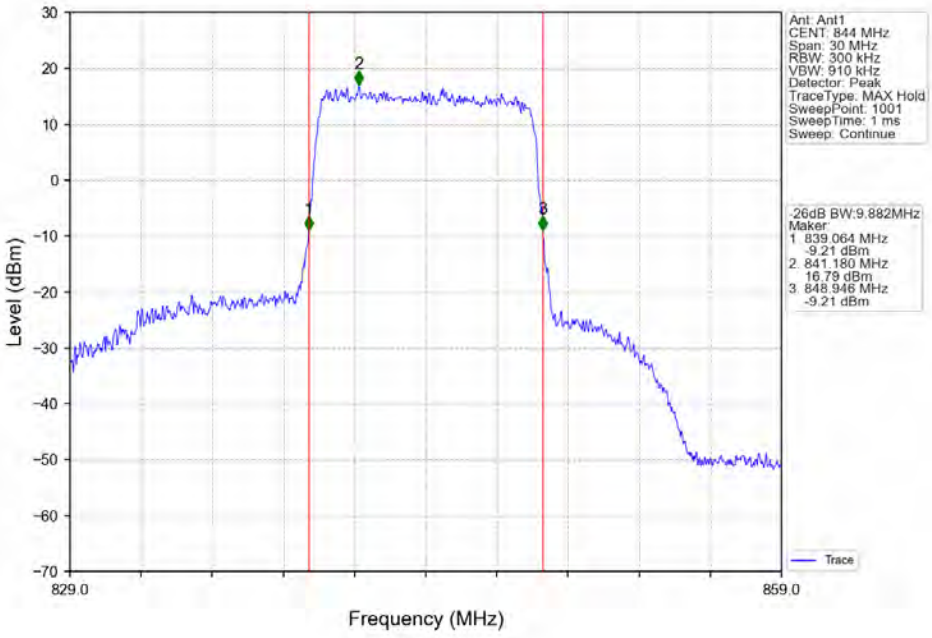
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

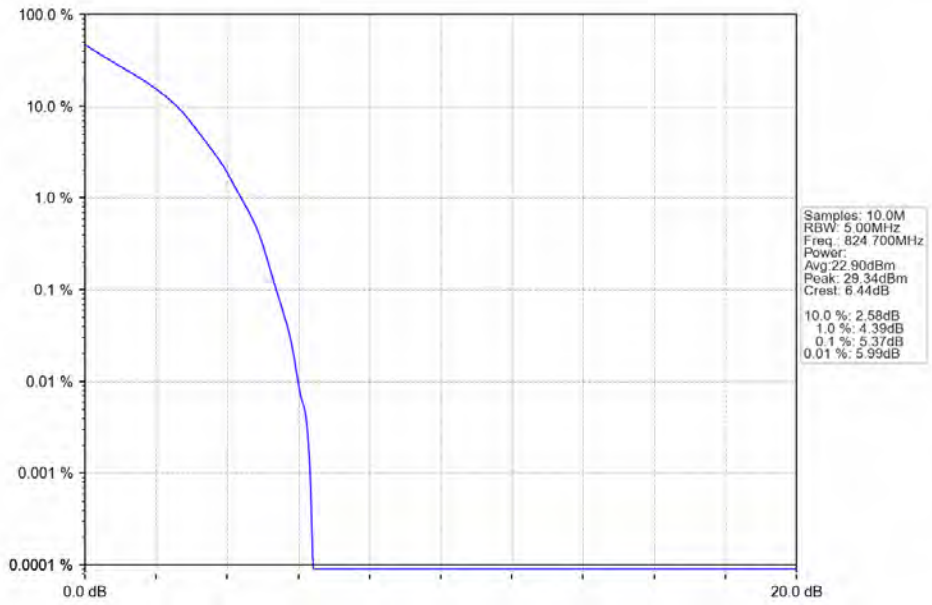
5.1 B5_1.4MHz

5.1.1 Test Result

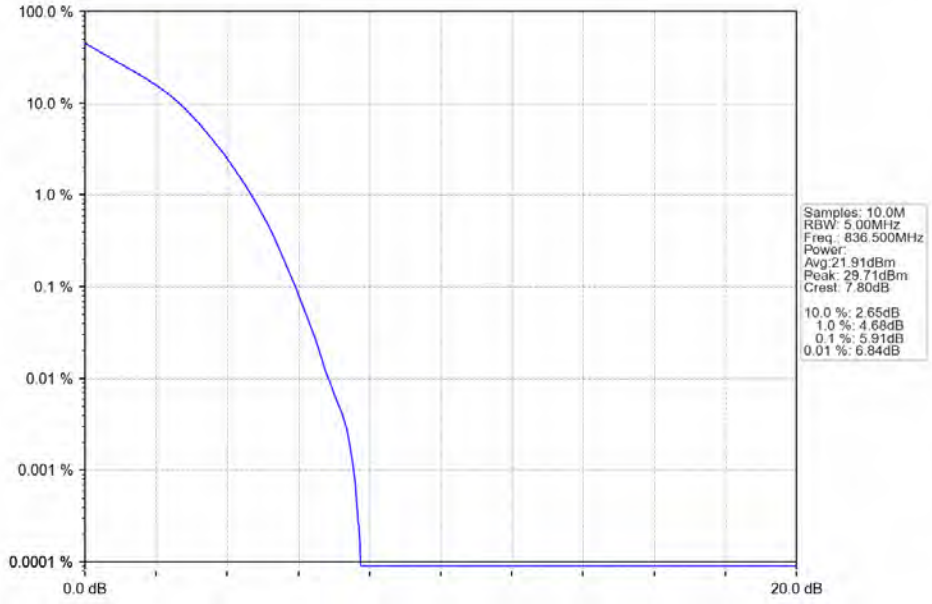
Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.37	<=13	Pass
	836.5	6	0	5.91	<=13	Pass
	848.3	6	0	5.98	<=13	Pass
16QAM	824.7	6	0	6.24	<=13	Pass
	836.5	6	0	6.60	<=13	Pass
	848.3	6	0	6.71	<=13	Pass

5.1.2 Test Graph

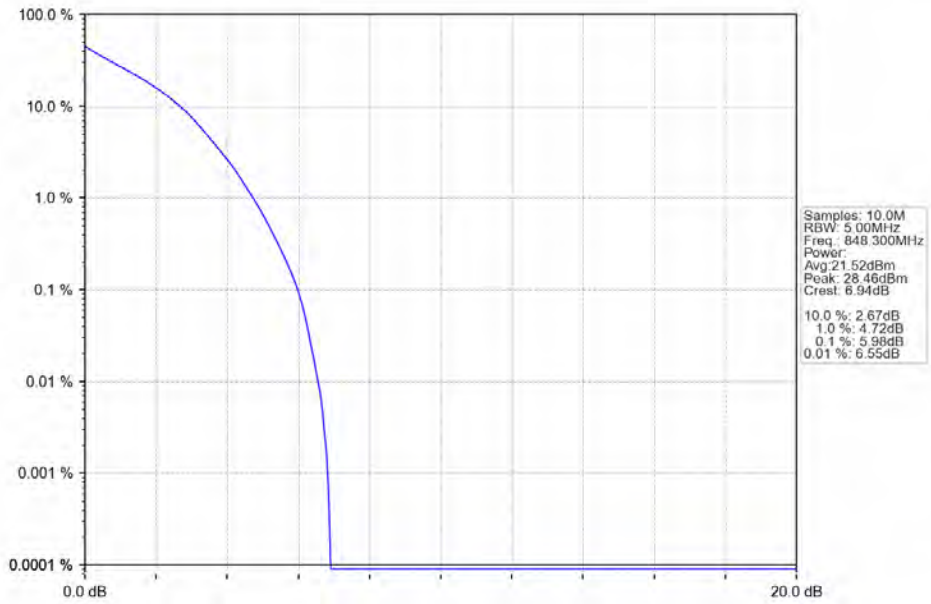
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



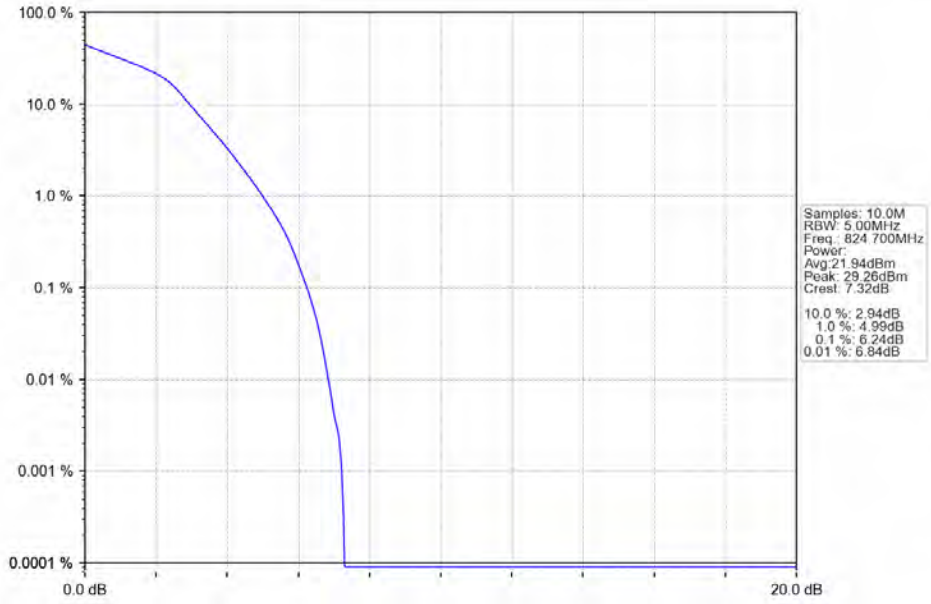
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



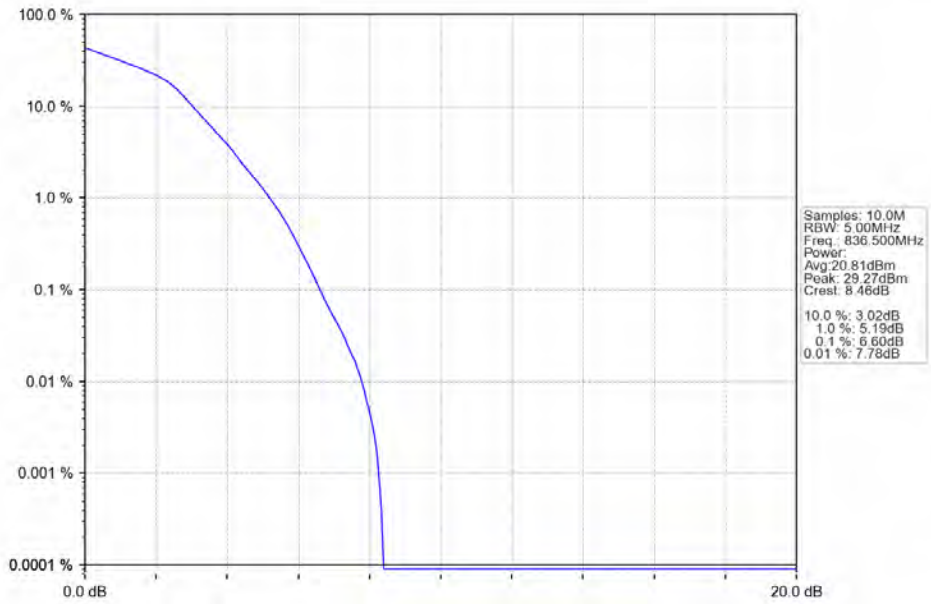
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



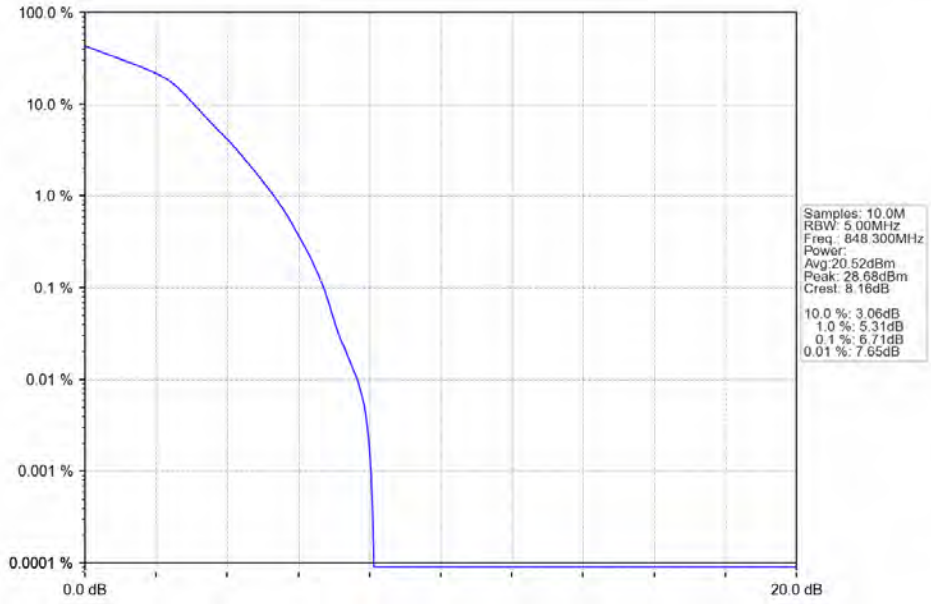
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



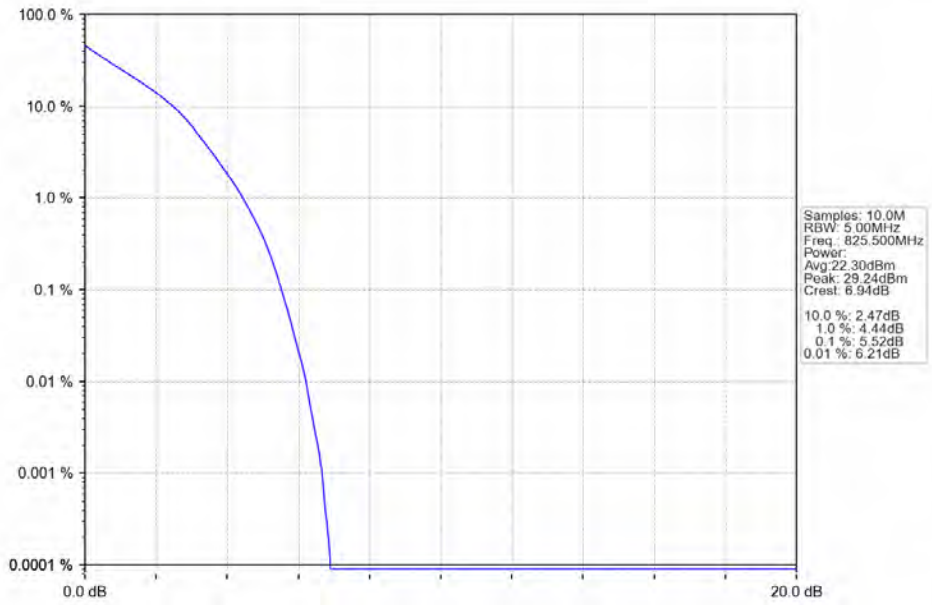
5.2 B5_3MHz

5.2.1 Test Result

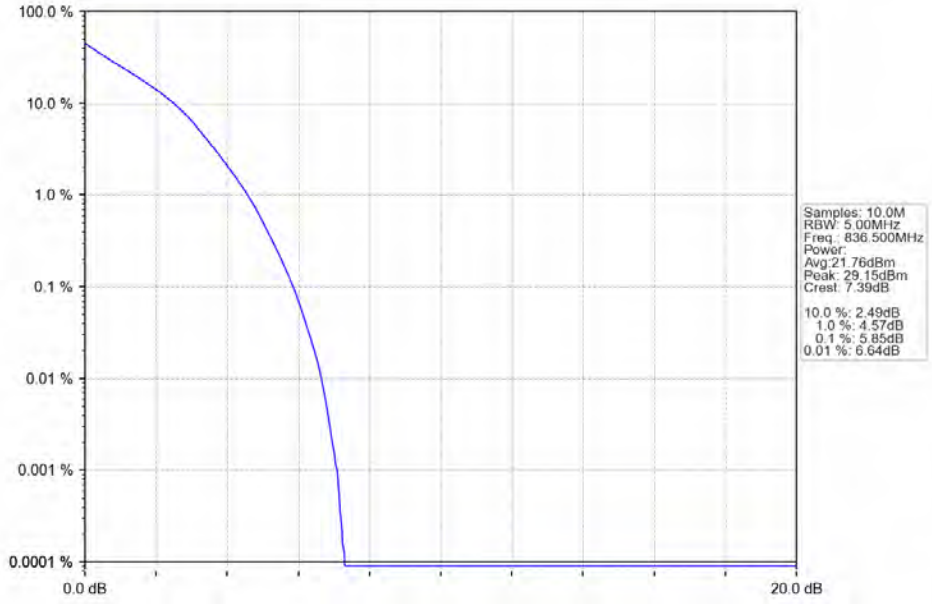
Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.52	<=13	Pass
	836.5	15	0	5.85	<=13	Pass
	847.5	15	0	5.88	<=13	Pass
16QAM	825.5	15	0	6.31	<=13	Pass
	836.5	15	0	6.68	<=13	Pass
	847.5	15	0	6.66	<=13	Pass

5.2.2 Test Graph

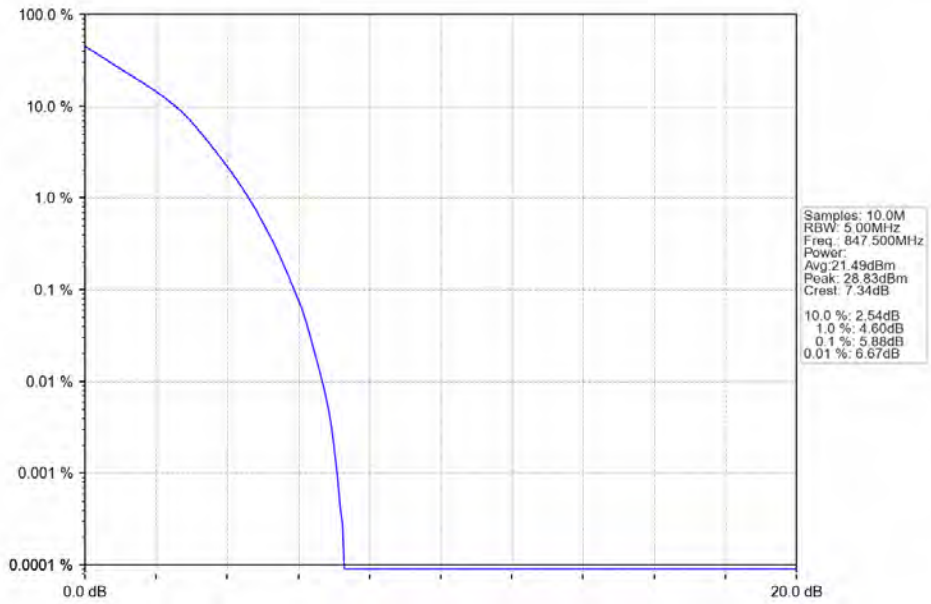
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



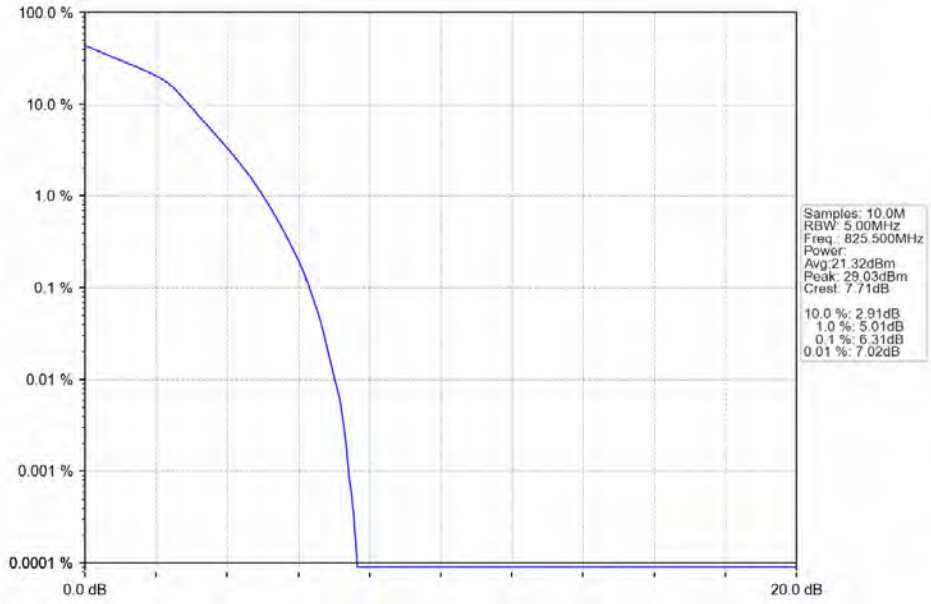
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



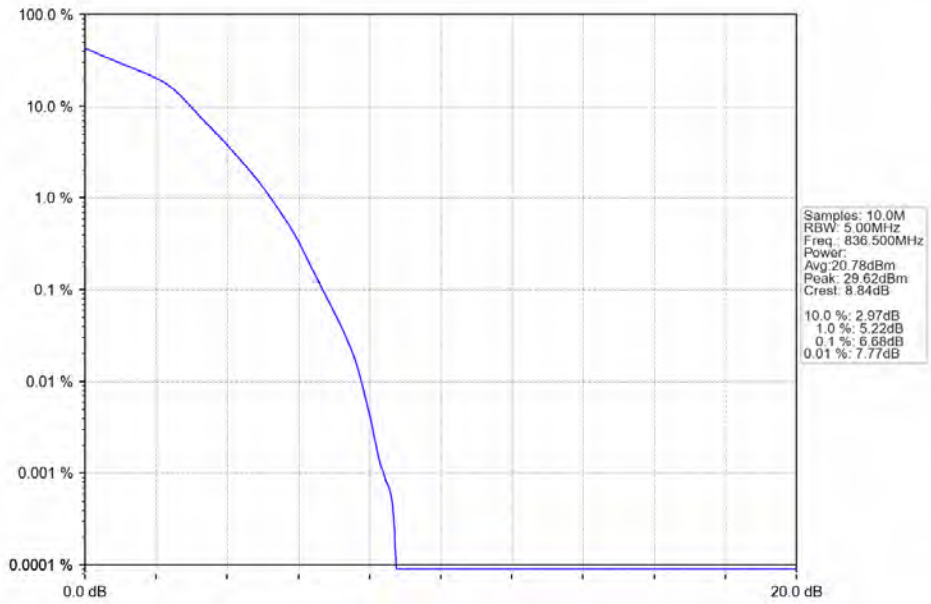
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



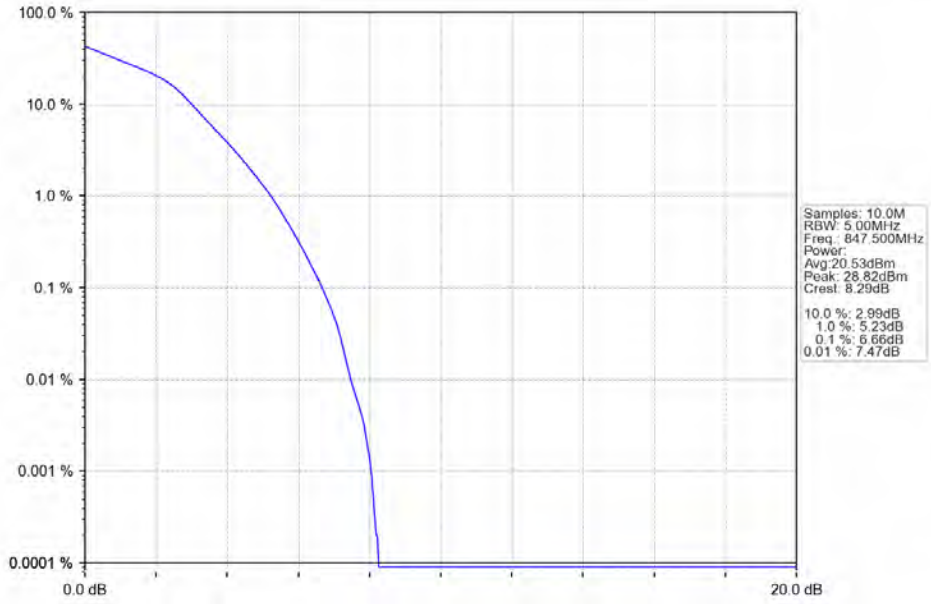
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



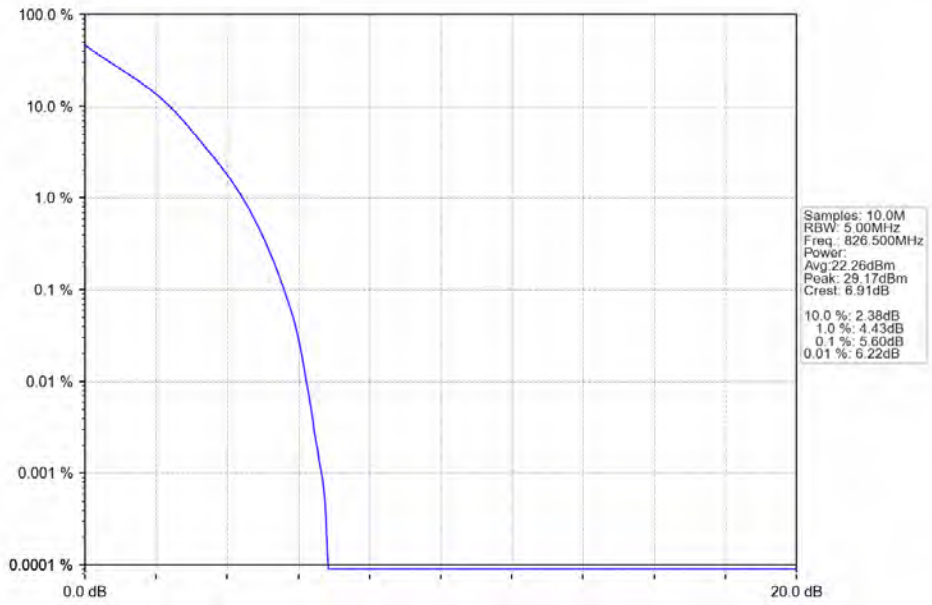
5.3 B5_5MHz

5.3.1 Test Result

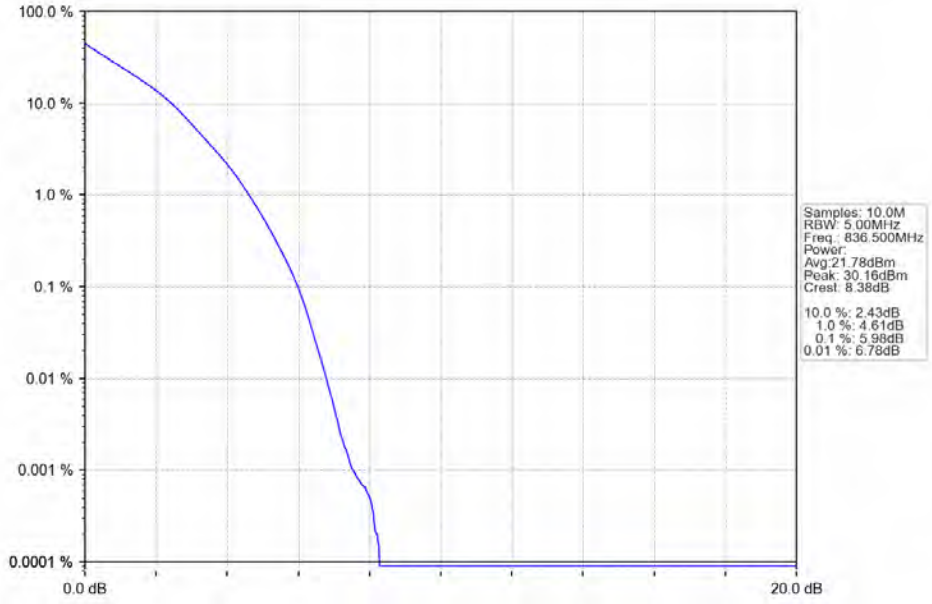
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.60	<=13	Pass
	836.5	25	0	5.98	<=13	Pass
	846.5	25	0	5.81	<=13	Pass
16QAM	826.5	25	0	6.33	<=13	Pass
	836.5	25	0	6.66	<=13	Pass
	846.5	25	0	6.47	<=13	Pass

5.3.2 Test Graph

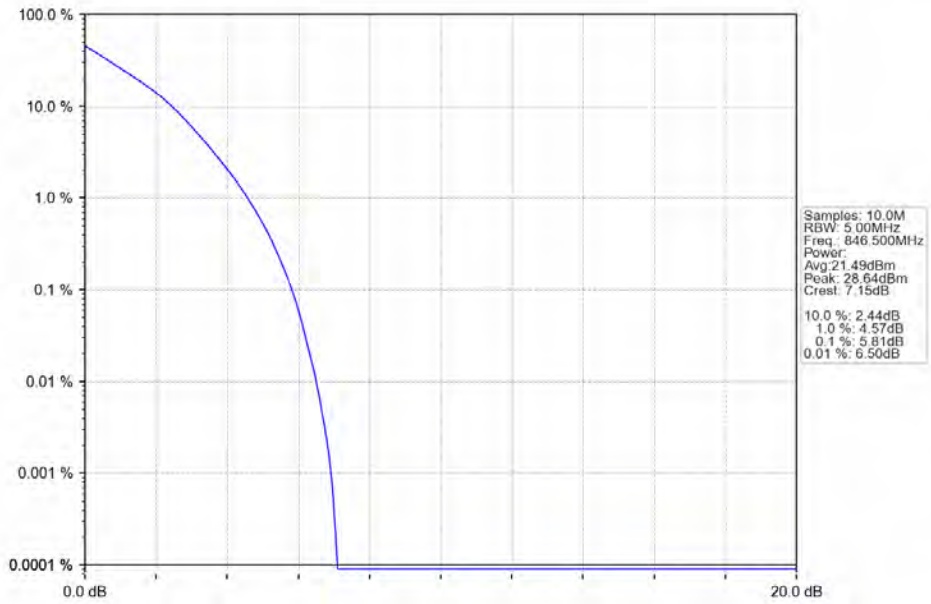
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



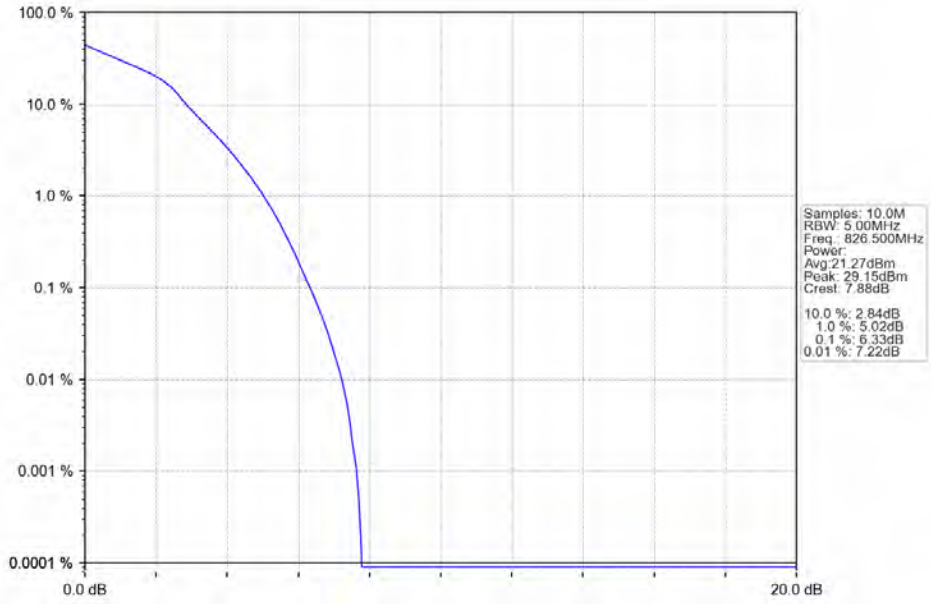
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



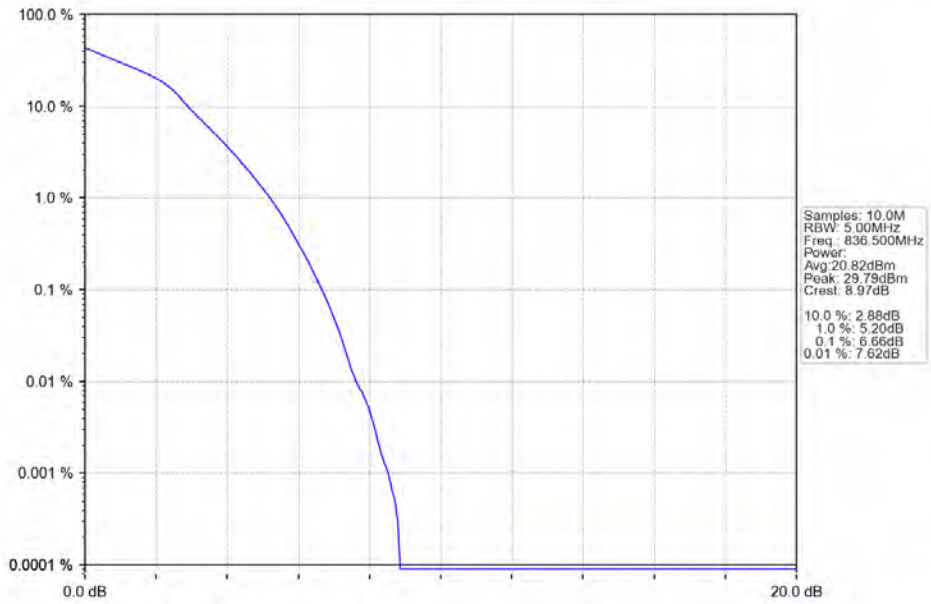
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



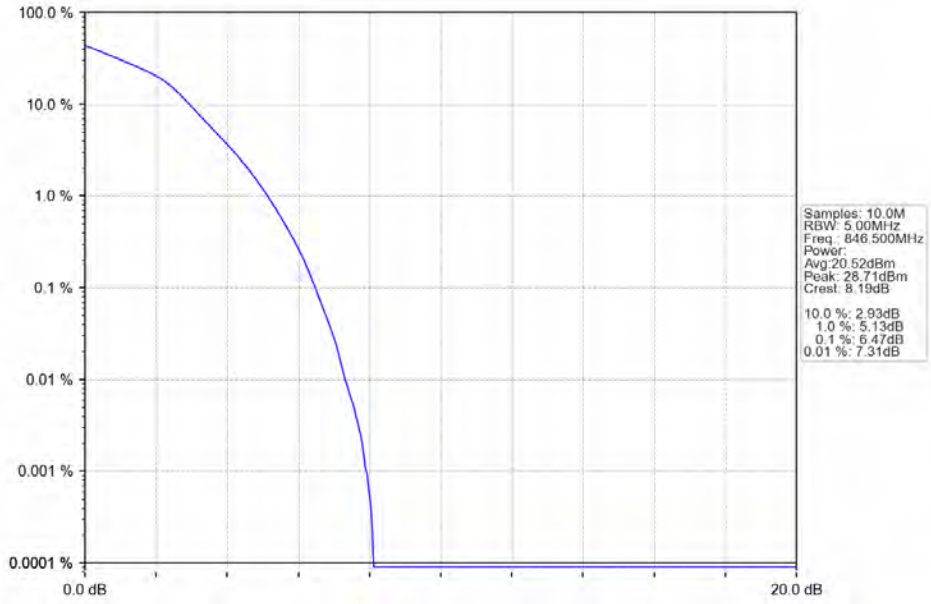
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



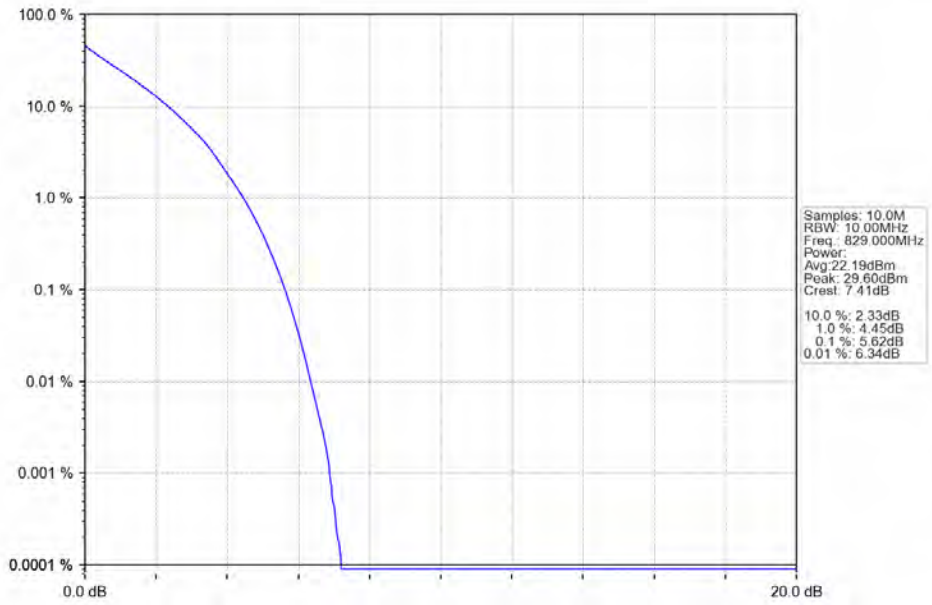
5.4 B5_10MHz

5.4.1 Test Result

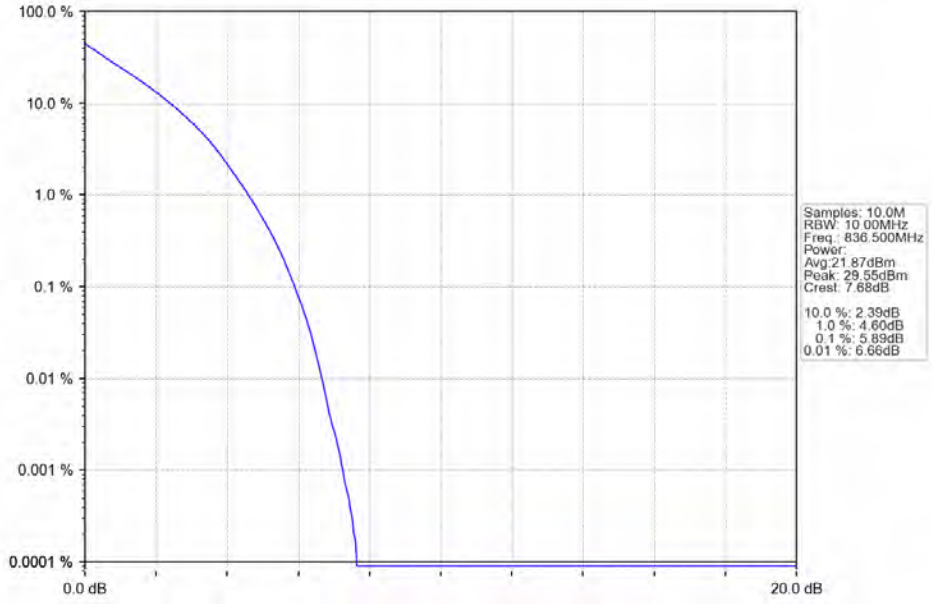
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.62	<=13	Pass
	836.5	50	0	5.89	<=13	Pass
	844	50	0	5.76	<=13	Pass
16QAM	829	50	0	6.38	<=13	Pass
	836.5	50	0	6.66	<=13	Pass
	844	50	0	6.48	<=13	Pass

5.4.2 Test Graph

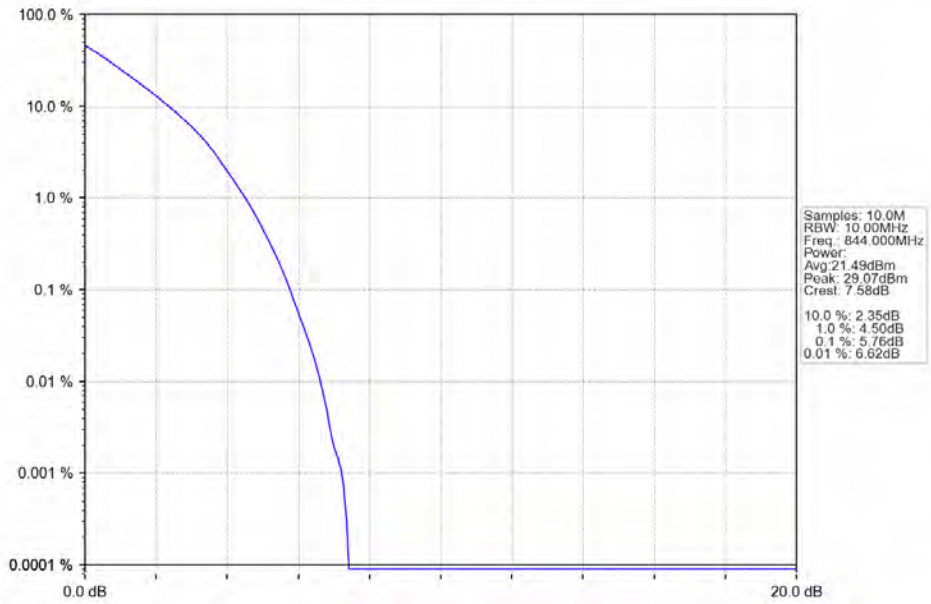
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



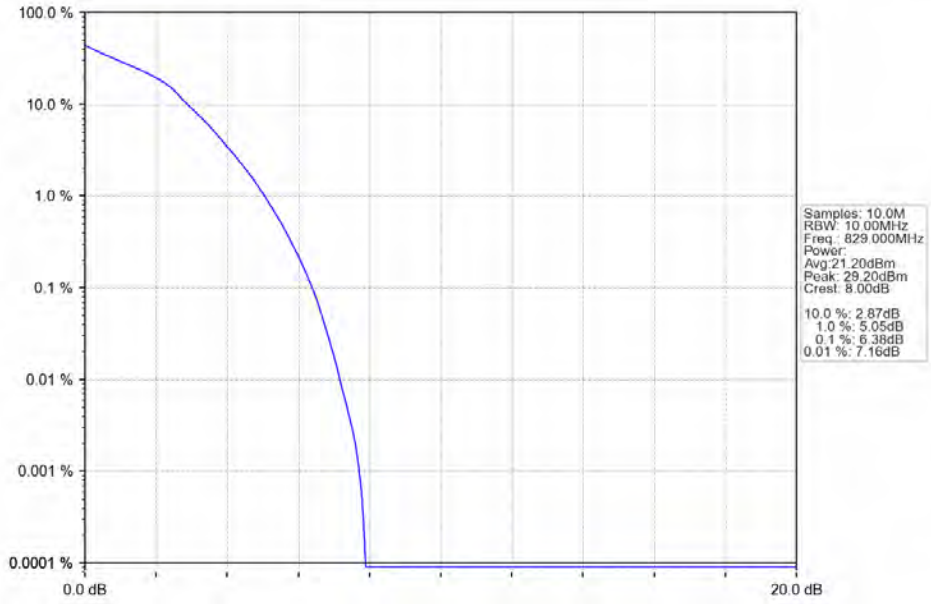
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



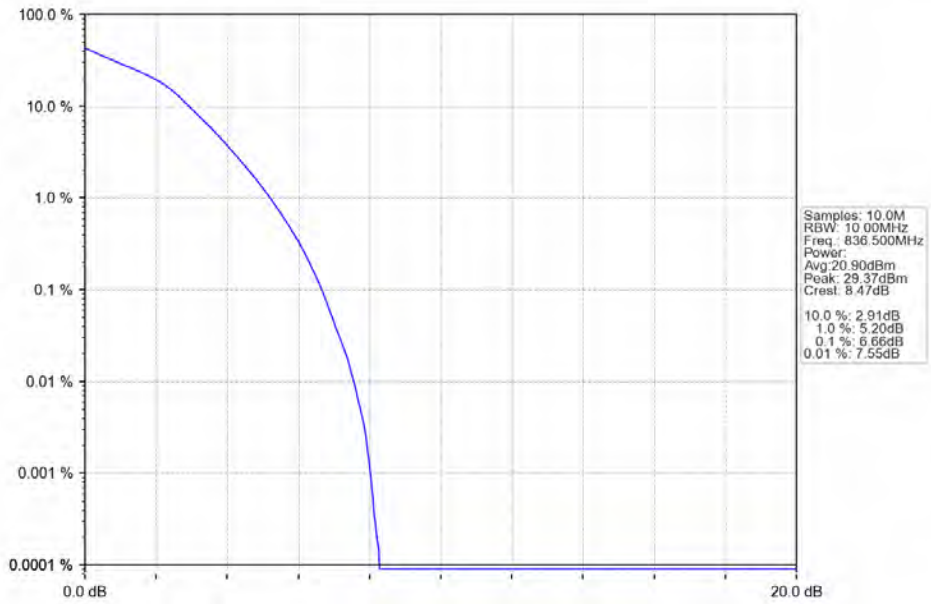
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



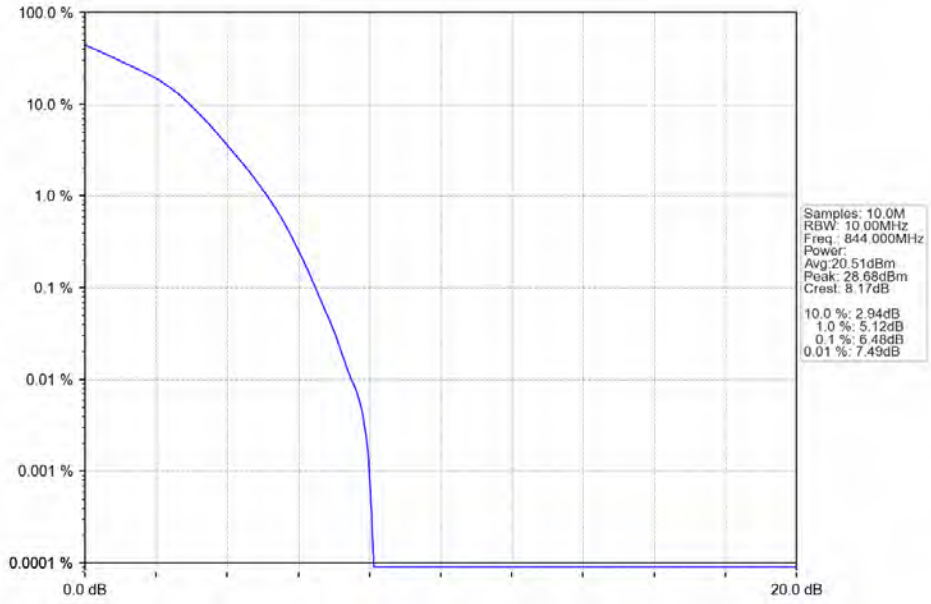
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

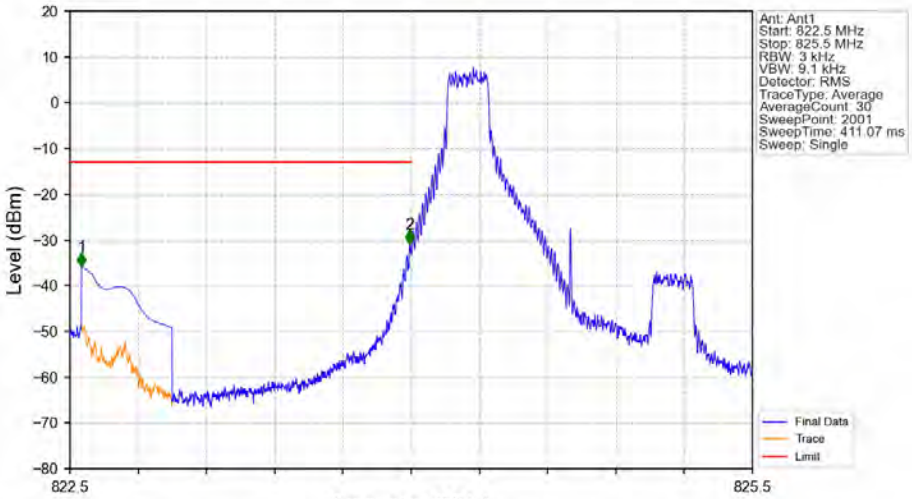
6.1 B5_1.4MHz

6.1.1 Test Result

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

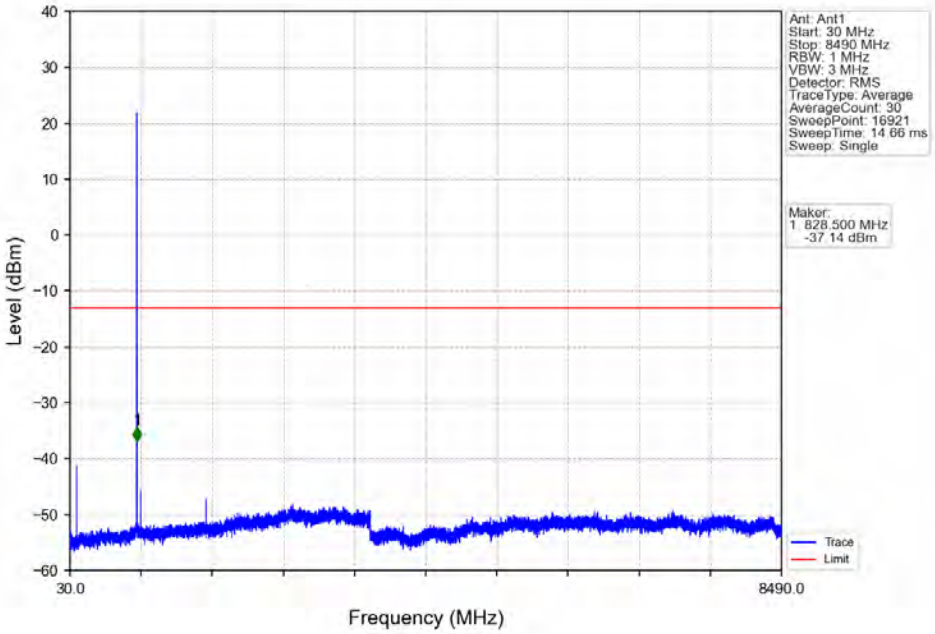
6.1.2 Test Graph

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

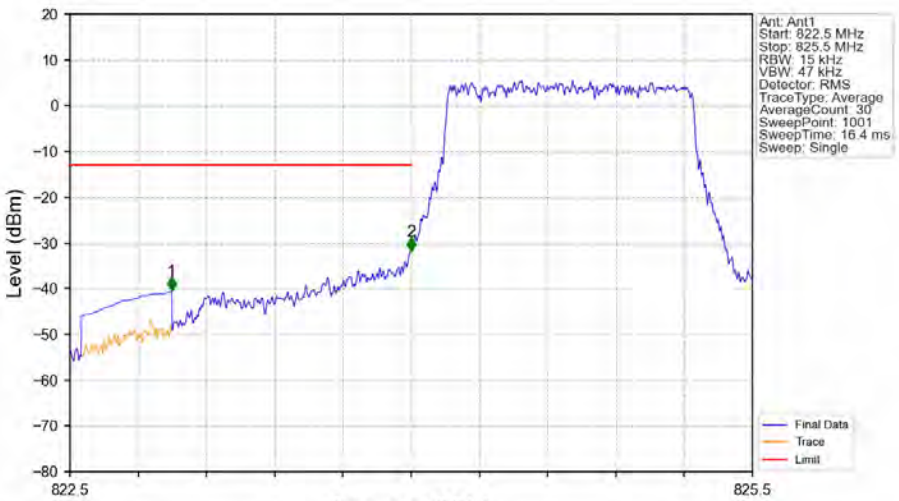


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-35.89	-13	Pass
823	824	0.003	/	2	823.994	-31.01	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

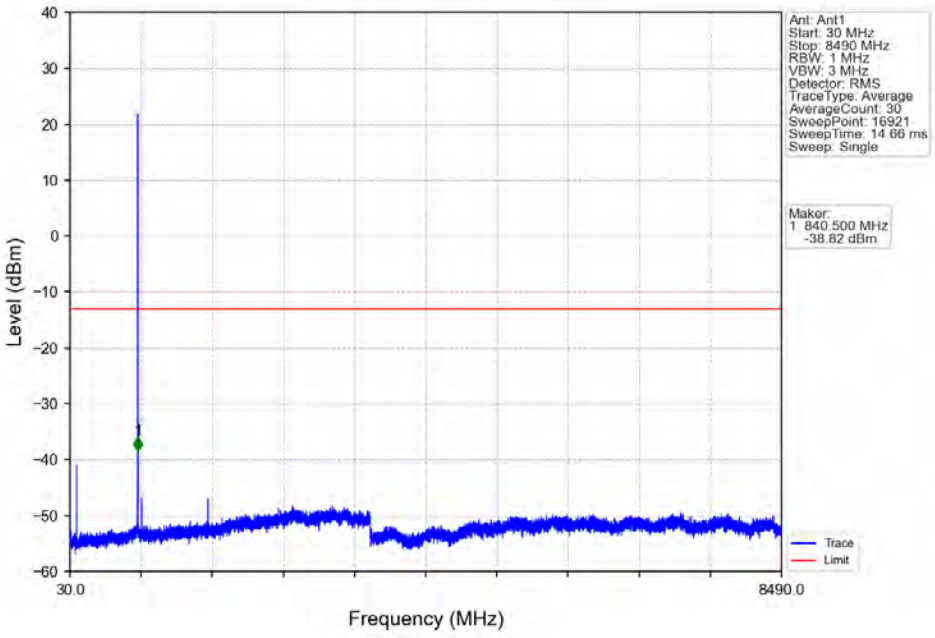


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

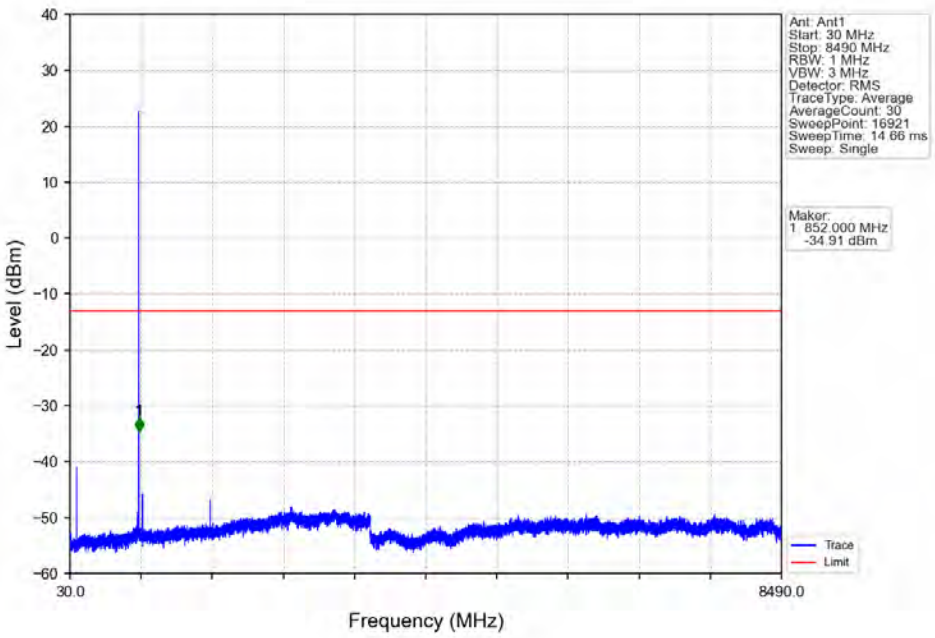


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-40.54	-13	Pass
823	824	0.015	/	2	824.000	-31.80	-13	Pass
824	825.5	0.015	/	/	/	/	/	/

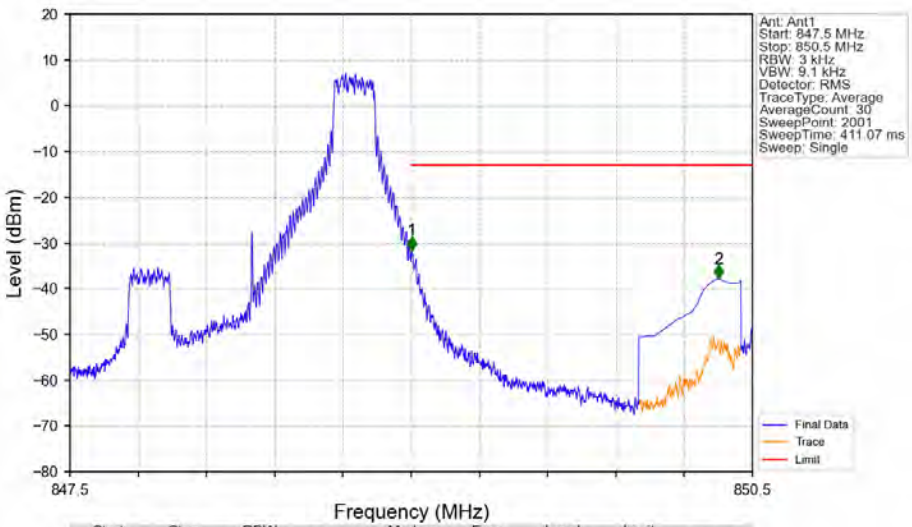
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

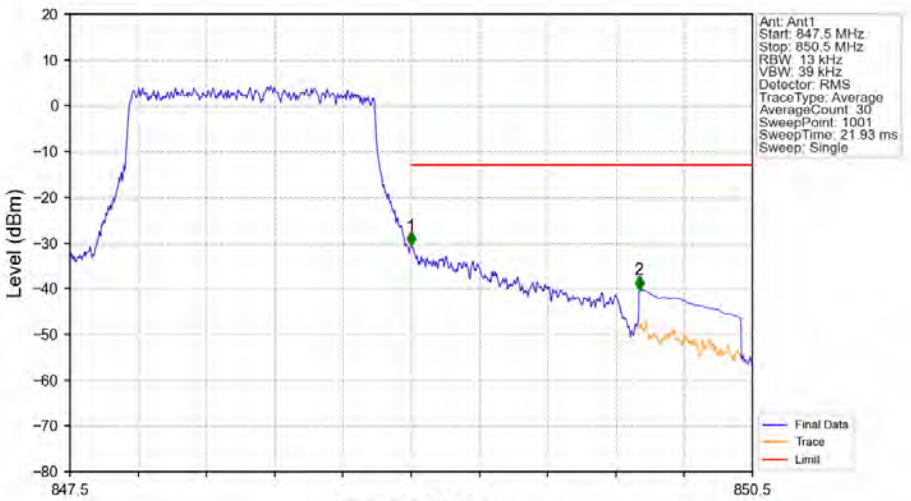


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



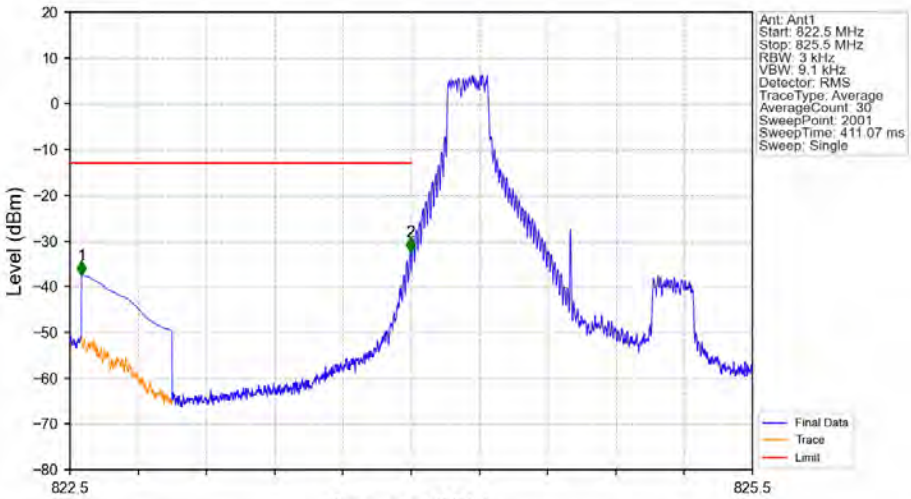
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-31.60	-13	Pass
850	850.5	0.1	CHP	2	850.351	-37.90	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



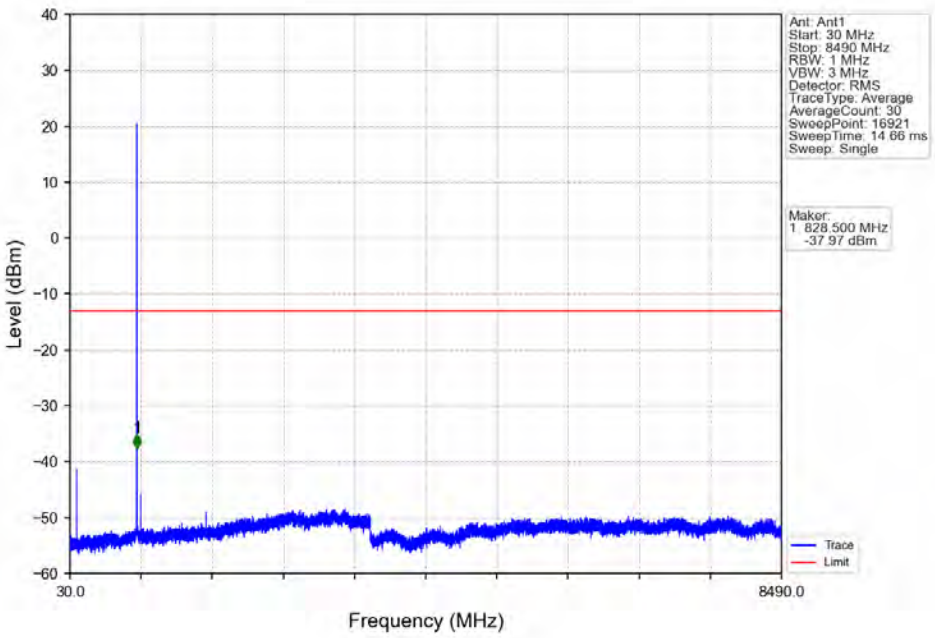
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.000	-30.66	-13	Pass
850	850.5	0.1	CHP	2	850.002	-40.26	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

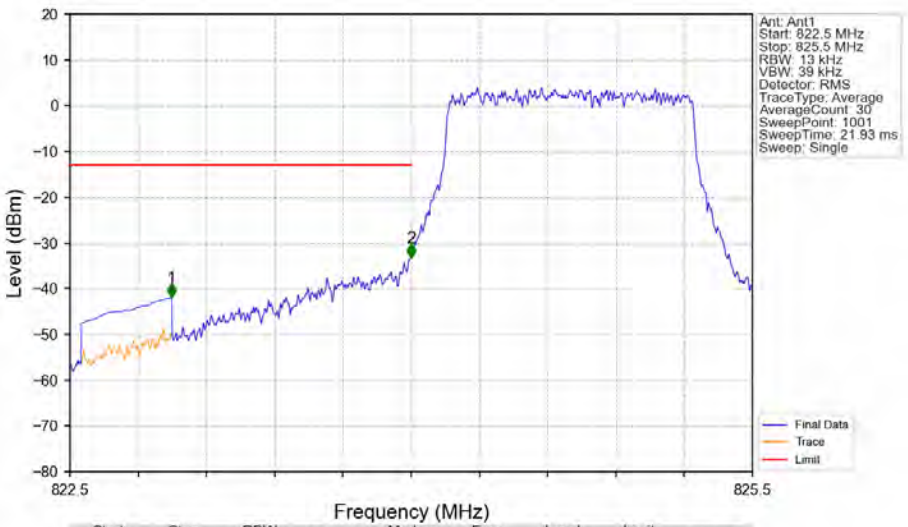


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-37.44	-13	Pass
823	824	0.003	/	2	823.997	-32.37	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

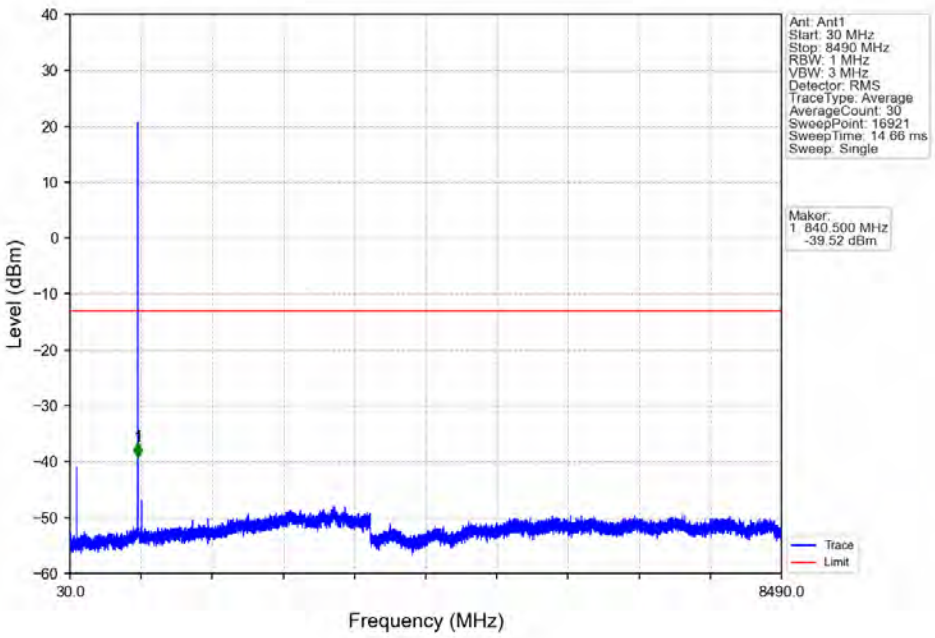


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

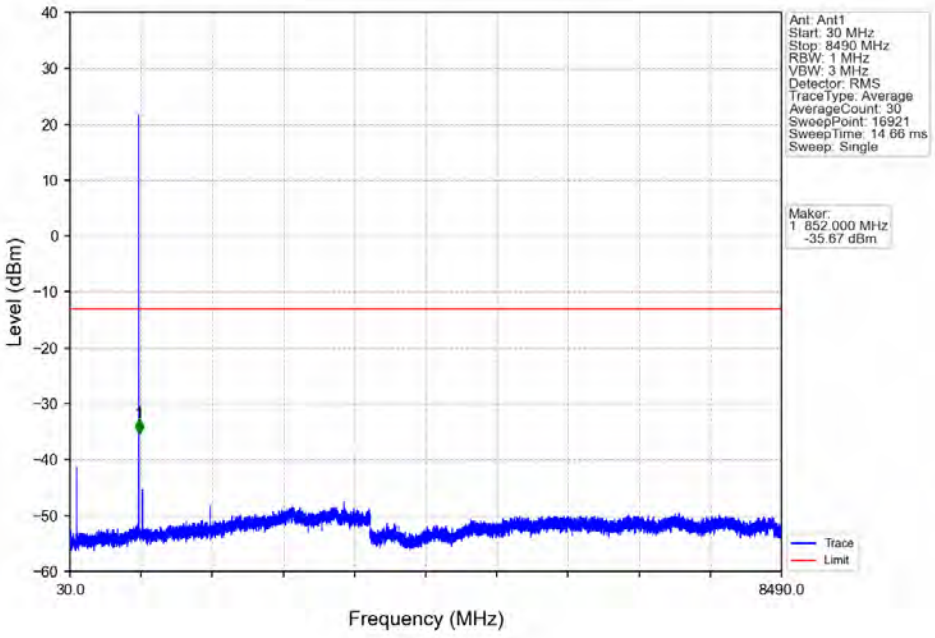


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-41.86	-13	Pass
823	824	0.013	/	2	824.000	-33.29	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

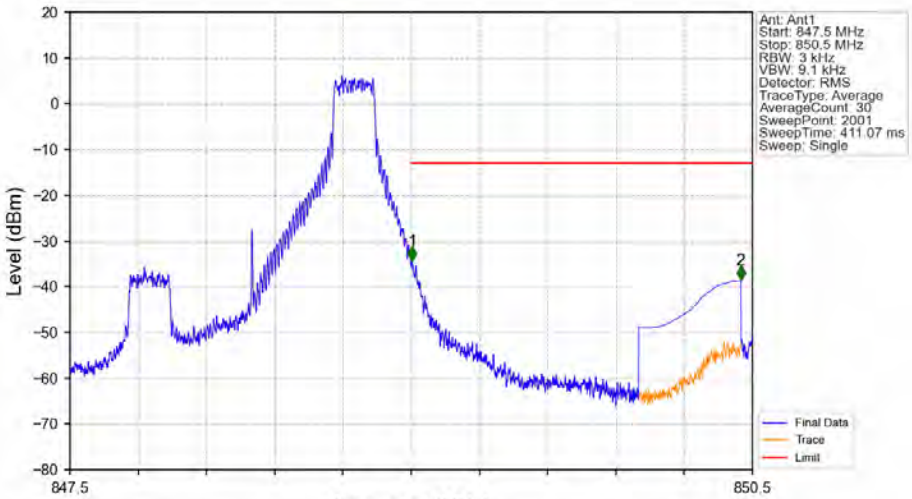
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

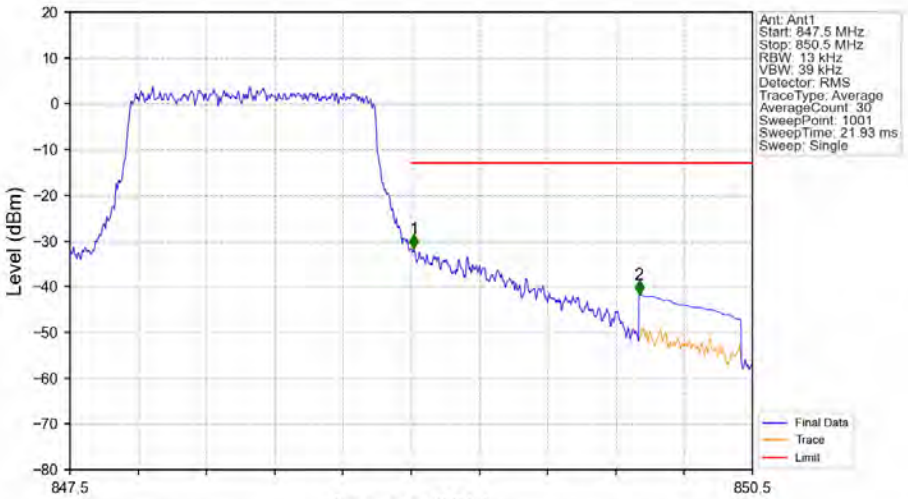


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



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	849.005	-34.32	-13	Pass
850	850.5	0.1	CHP	2	850.449	-38.57	-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	849.012	-31.66	-13	Pass
850	850.5	0.1	CHP	2	850.002	-41.70	-13	Pass

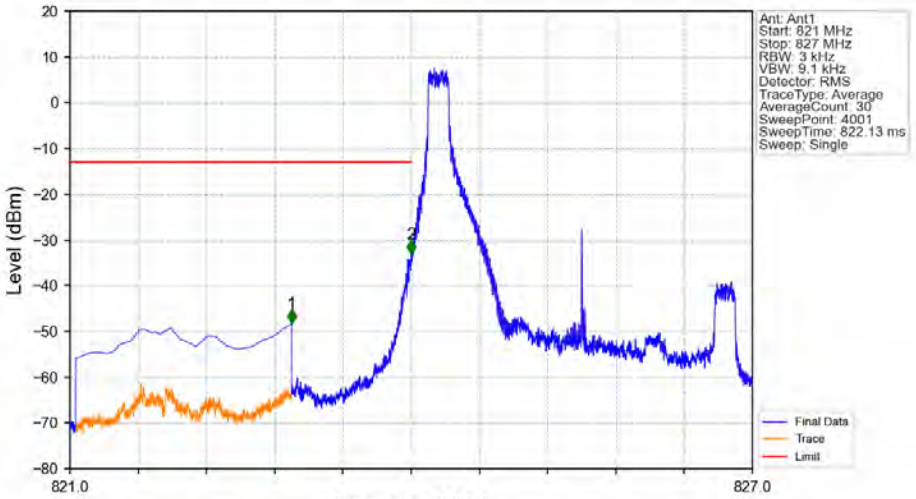
6.2 B5_3MHz

6.2.1 Test Result

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

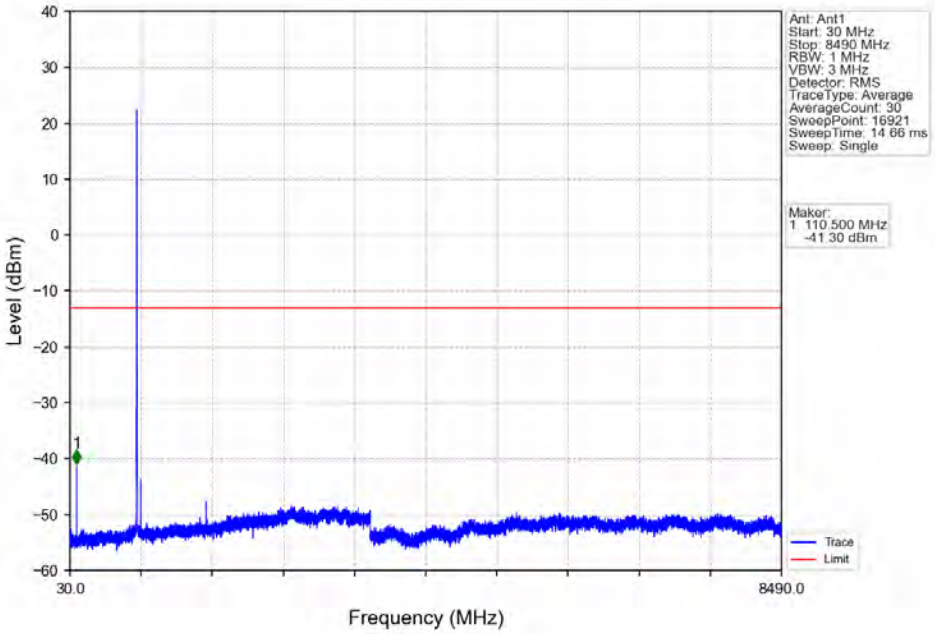
6.2.2 Test Graph

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

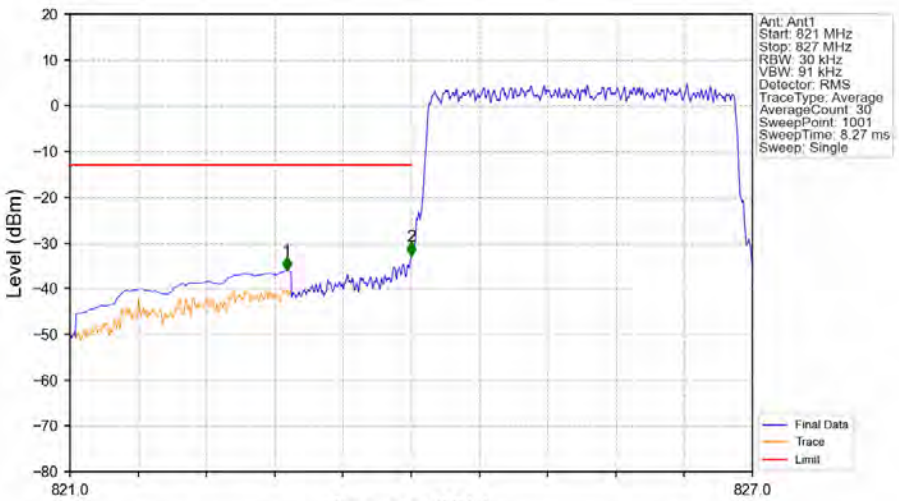


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-48.22	-13	Pass
823	824	0.003	/	2	824.000	-33.04	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

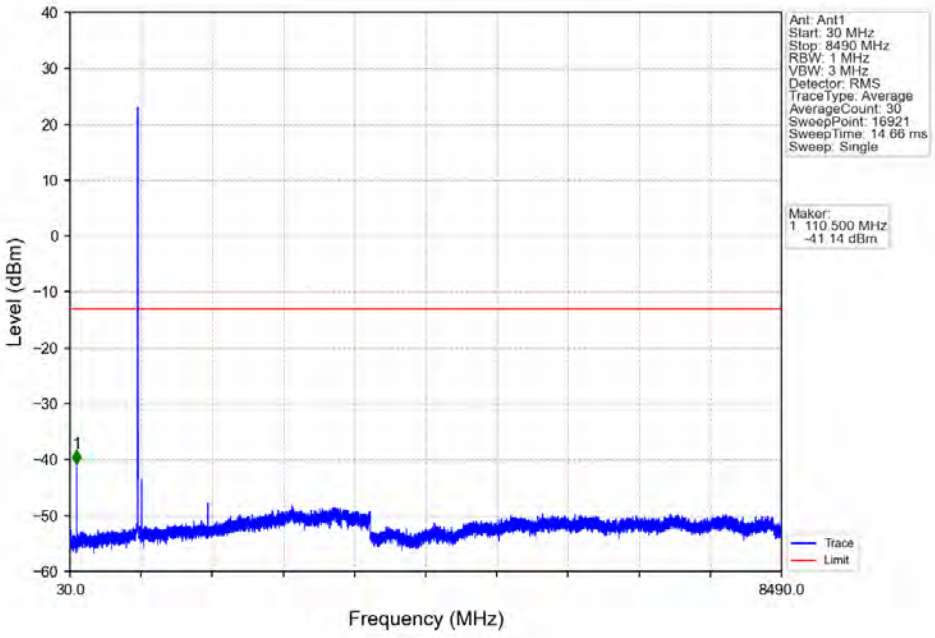


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

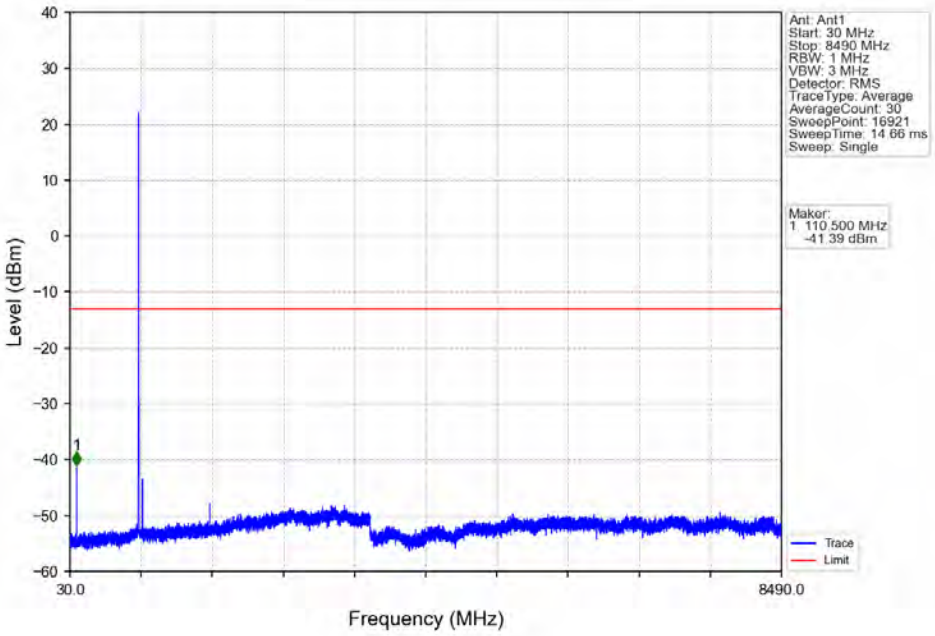


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-36.07	-13	Pass
823	824	0.03	/	2	824.000	-32.88	-13	Pass
824	827	0.03	/	/	/	/	/	/

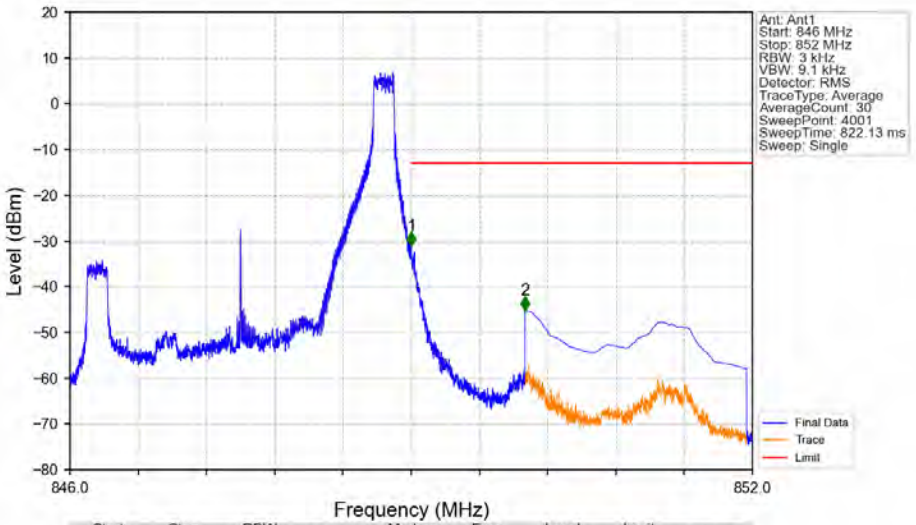
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

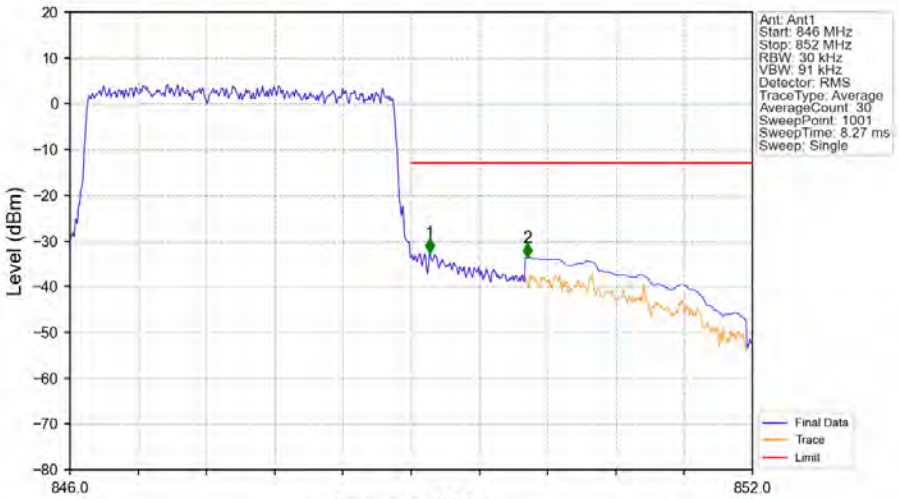


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



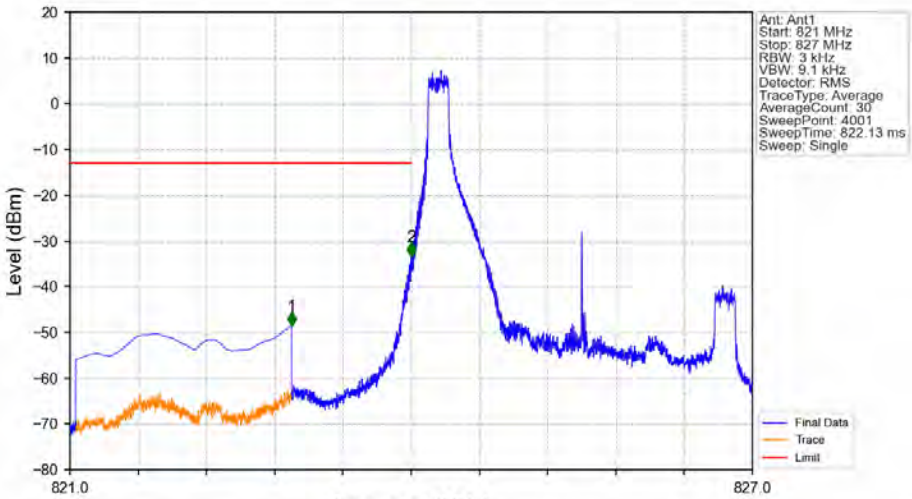
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.08	-13	Pass
850	852	0.1	CHP	2	850.002	-45.19	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



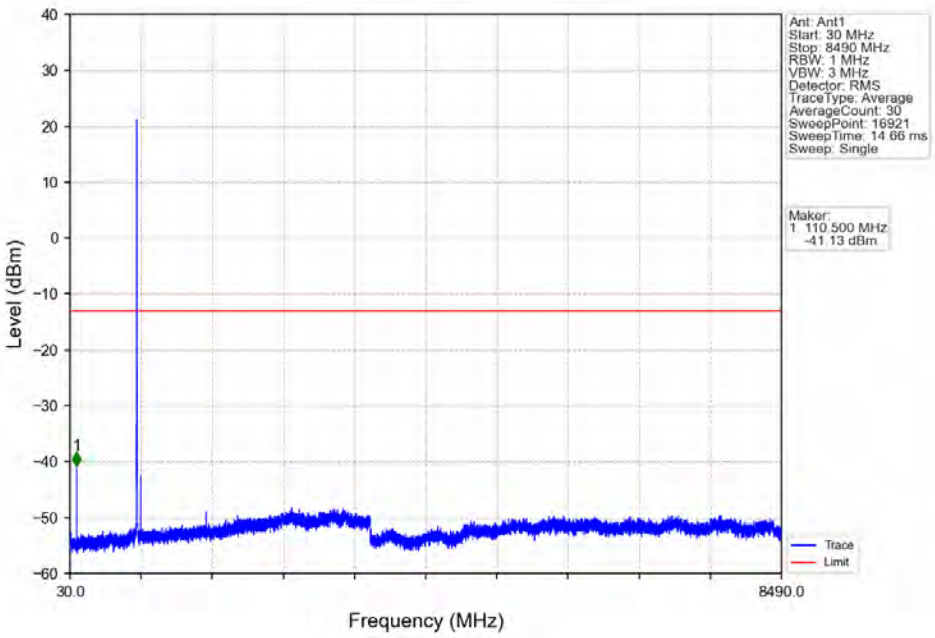
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.162	-32.63	-13	Pass
850	852	0.1	CHP	2	850.020	-33.65	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

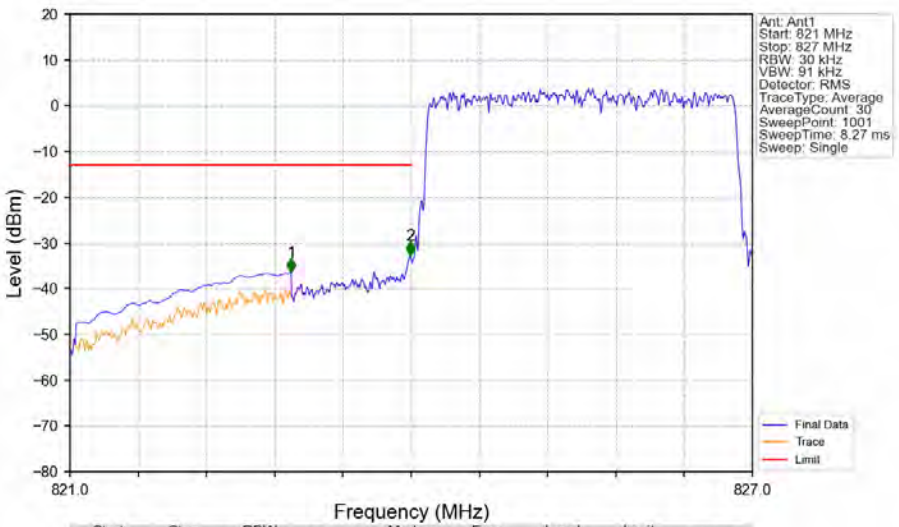


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-48.58	-13	Pass
823	824	0.003	/	2	824.000	-33.41	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

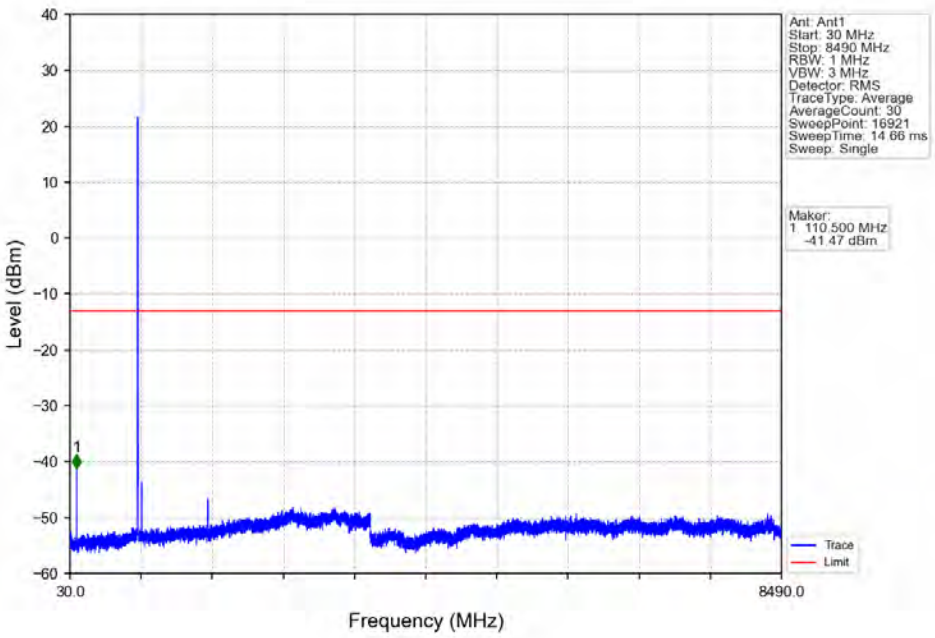


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

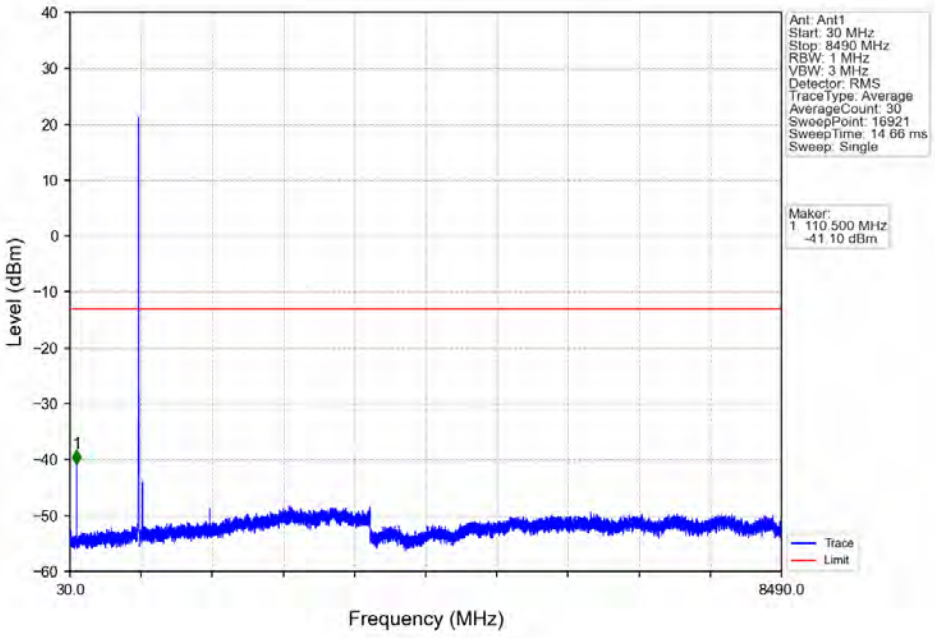


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-36.50	-13	Pass
823	824	0.03	/	2	823.994	-32.70	-13	Pass
824	827	0.03	/	/	/	/	/	/

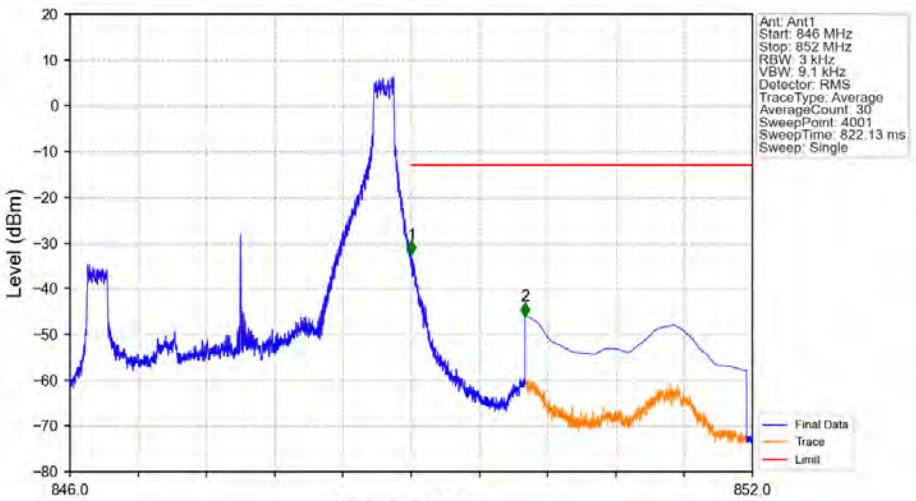
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV

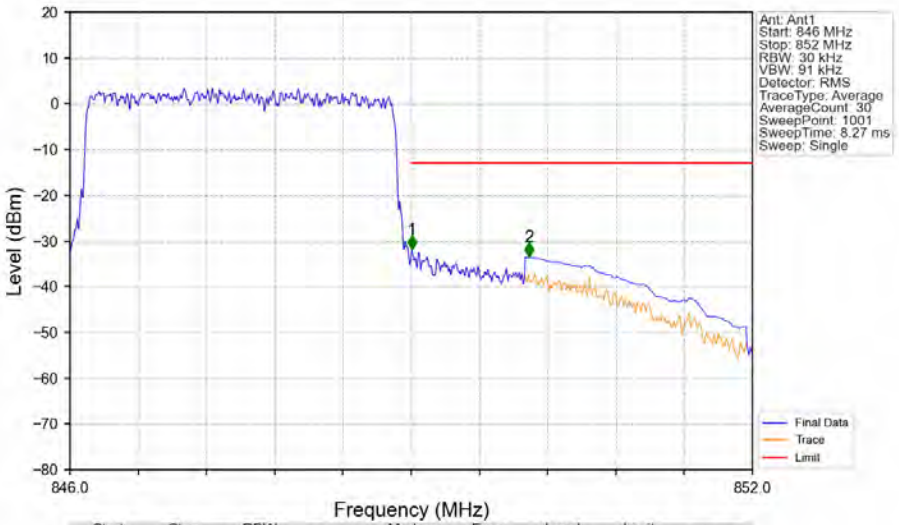


Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



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	849.003	-32.61	-13	Pass
850	852	0.1	CHP	2	850.000	-46.05	-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	849.006	-31.86	-13	Pass
850	852	0.1	CHP	2	850.038	-33.49	-13	Pass

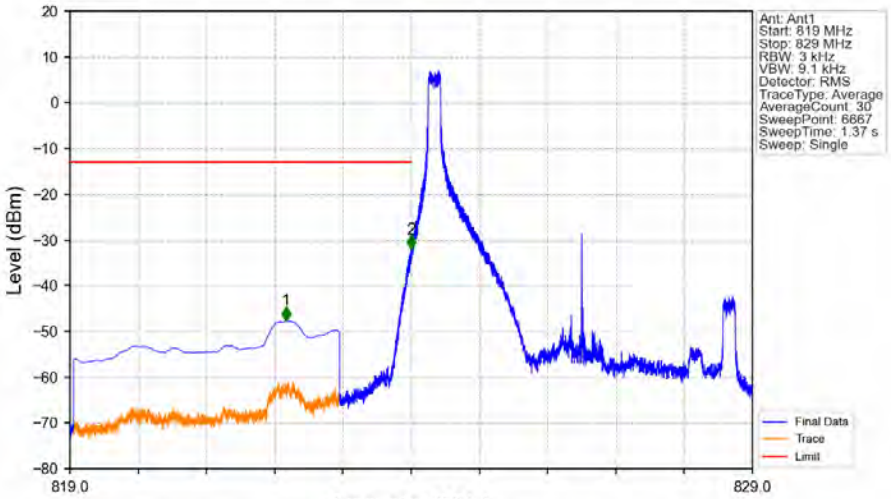
6.3 B5_5MHz

6.3.1 Test Result

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

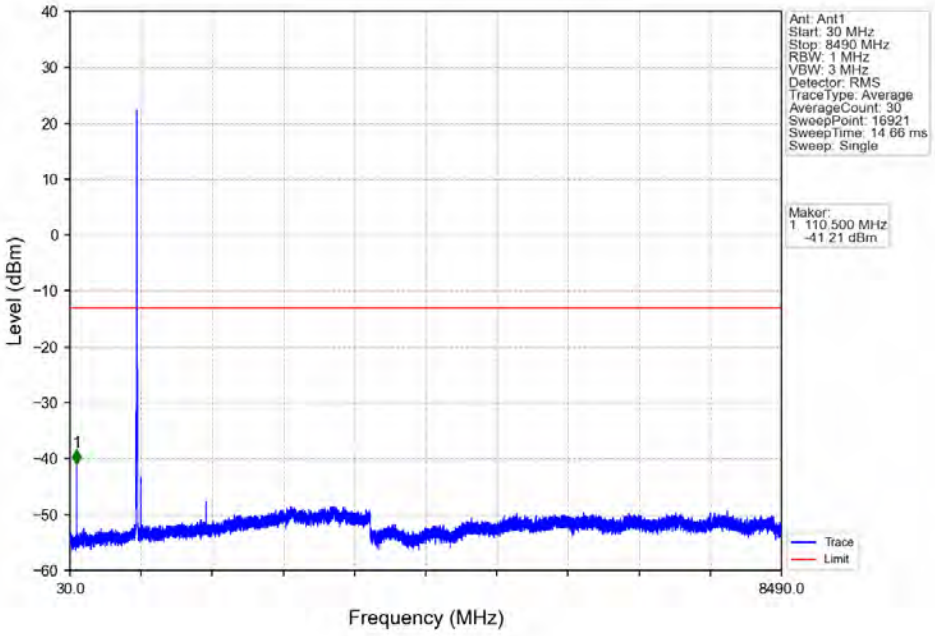
6.3.2 Test Graph

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

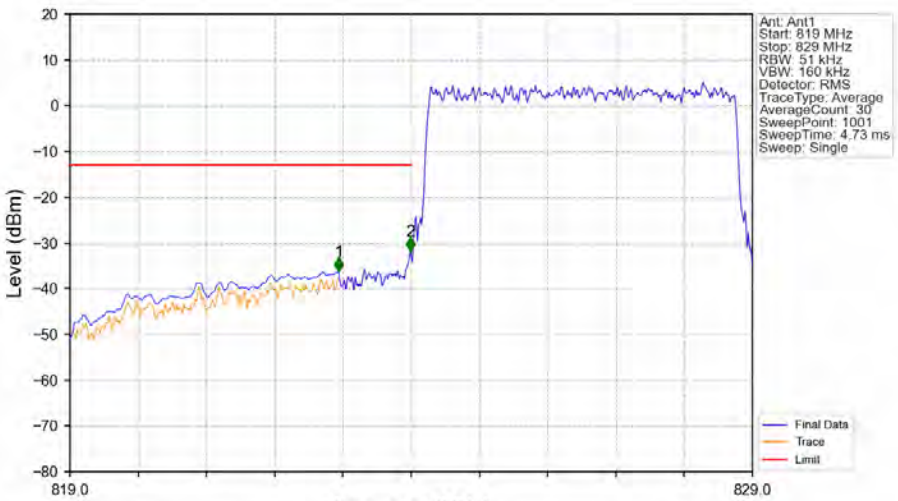


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.162	-47.66	-13	Pass
823	824	0.003	/	2	823.999	-31.98	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

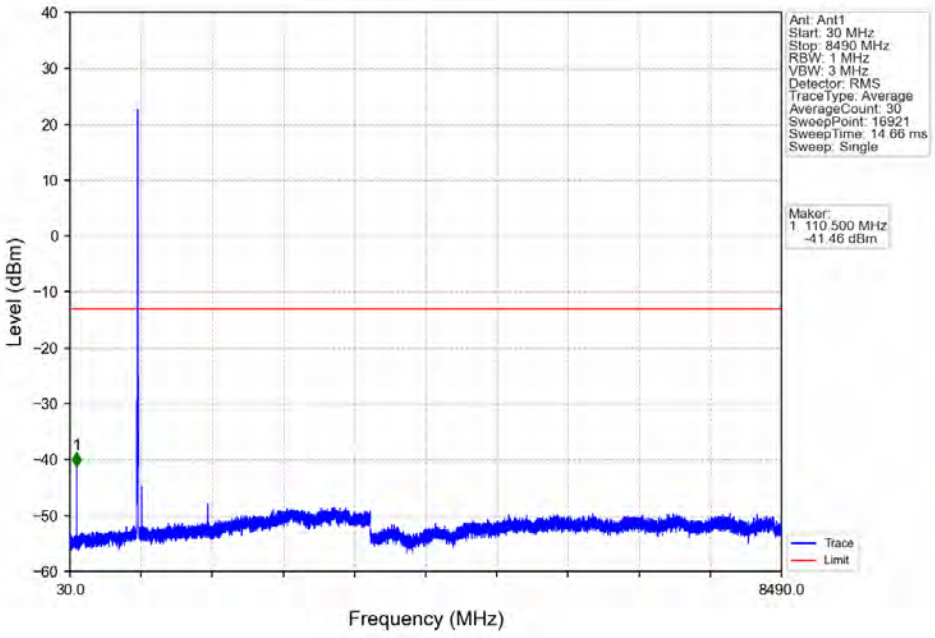


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

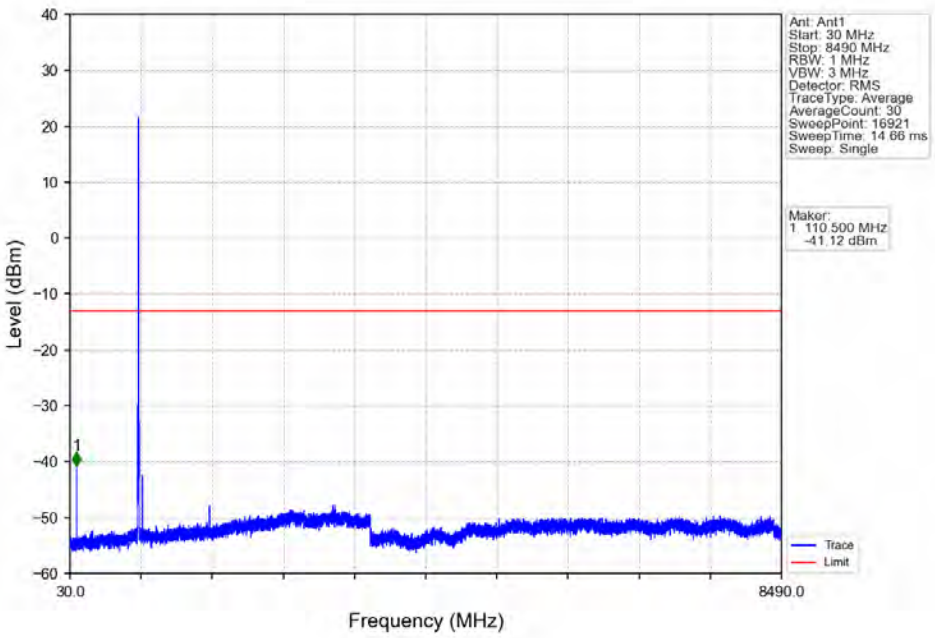


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-36.22	-13	Pass
823	824	0.051	/	2	823.990	-31.93	-13	Pass
824	829	0.051	/	/	/	/	/	/

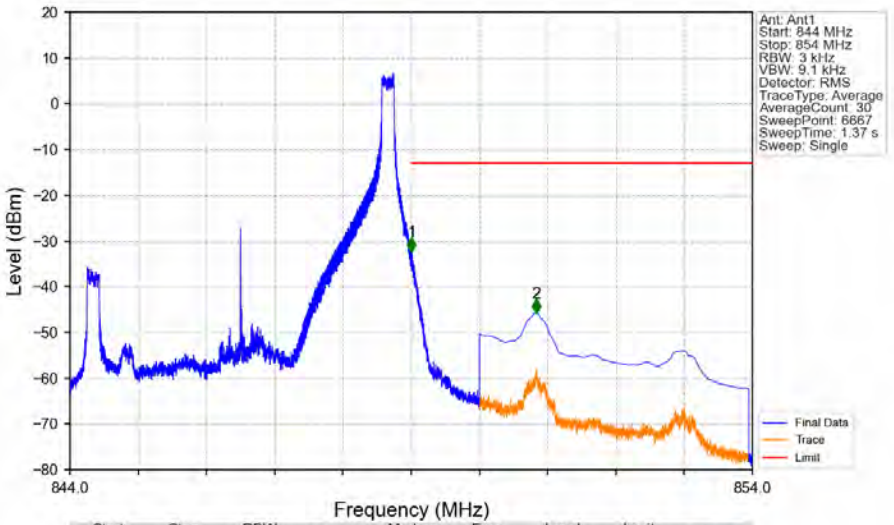
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

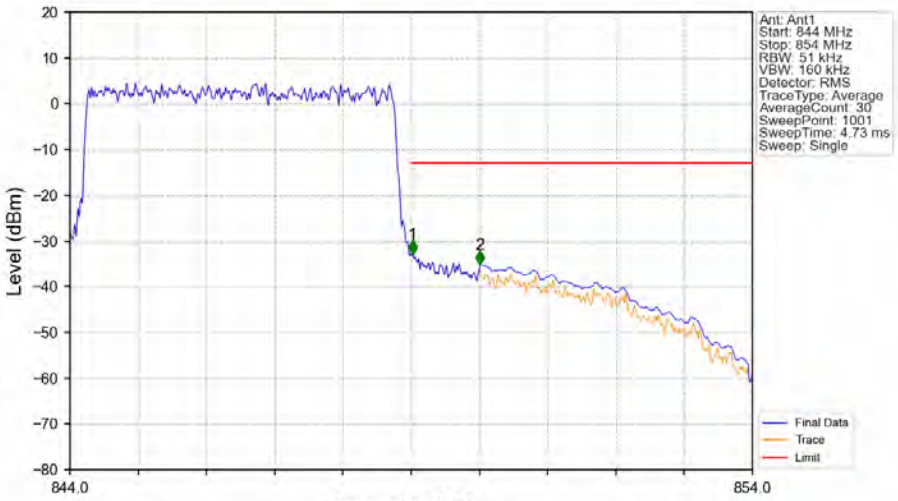


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



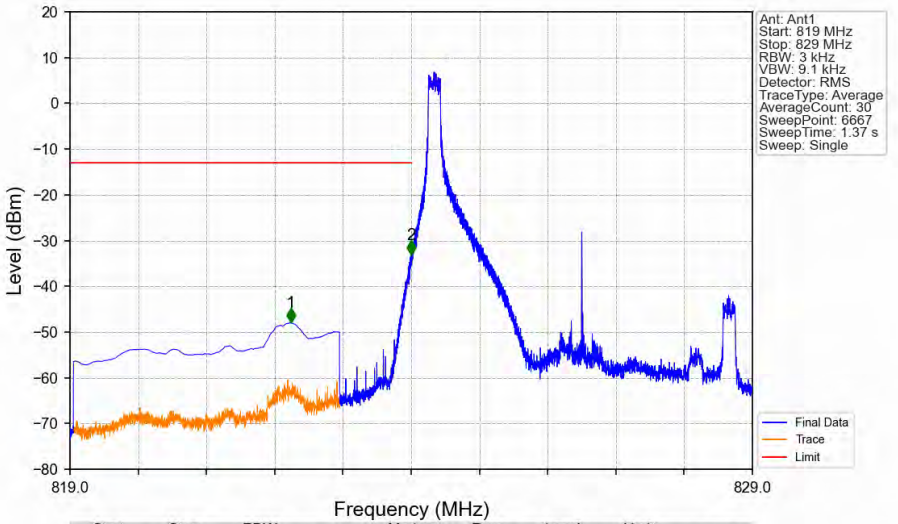
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.38	-13	Pass
850	854	0.1	CHP	2	850.833	-45.77	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



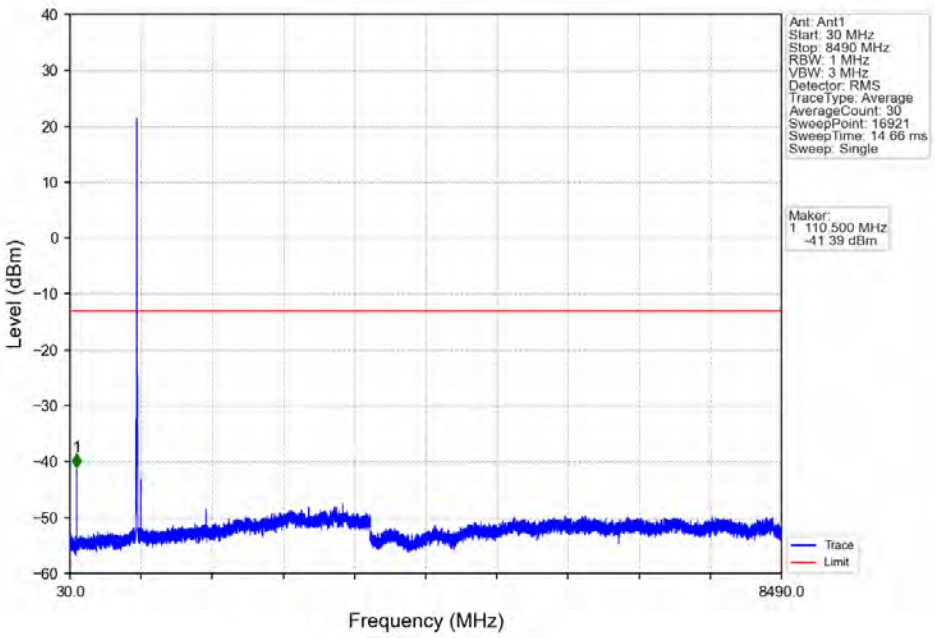
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.020	-32.94	-13	Pass
850	854	0.1	CHP	2	850.010	-35.19	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

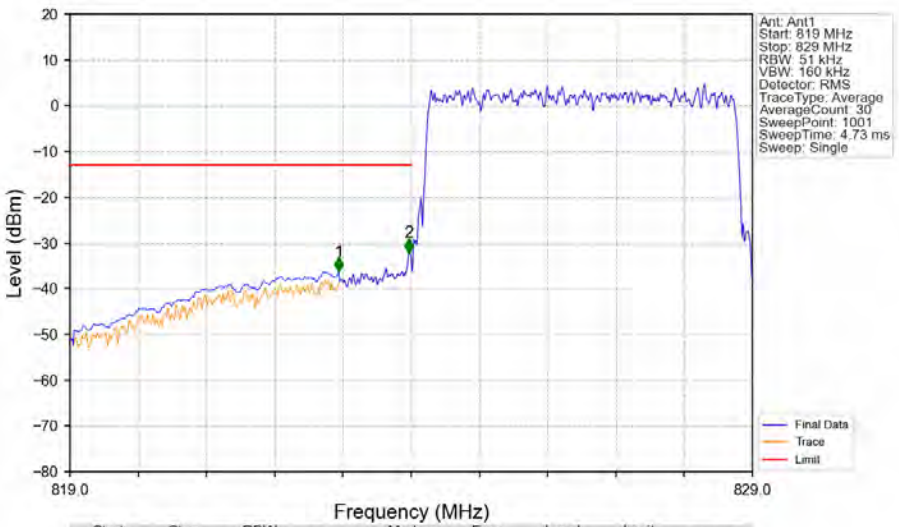


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.237	-47.94	-13	Pass
823	824	0.003	/	2	824.000	-33.11	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

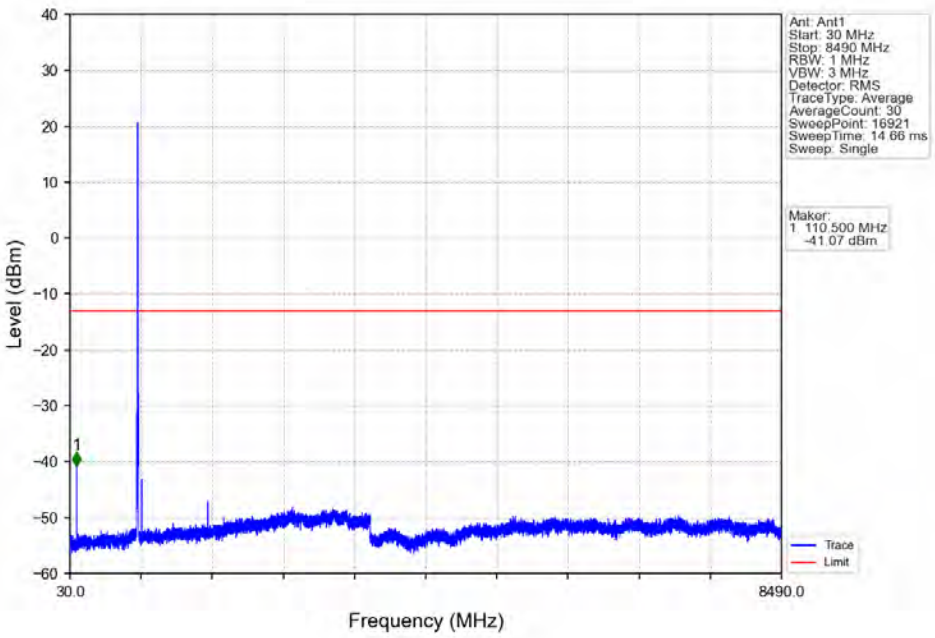


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

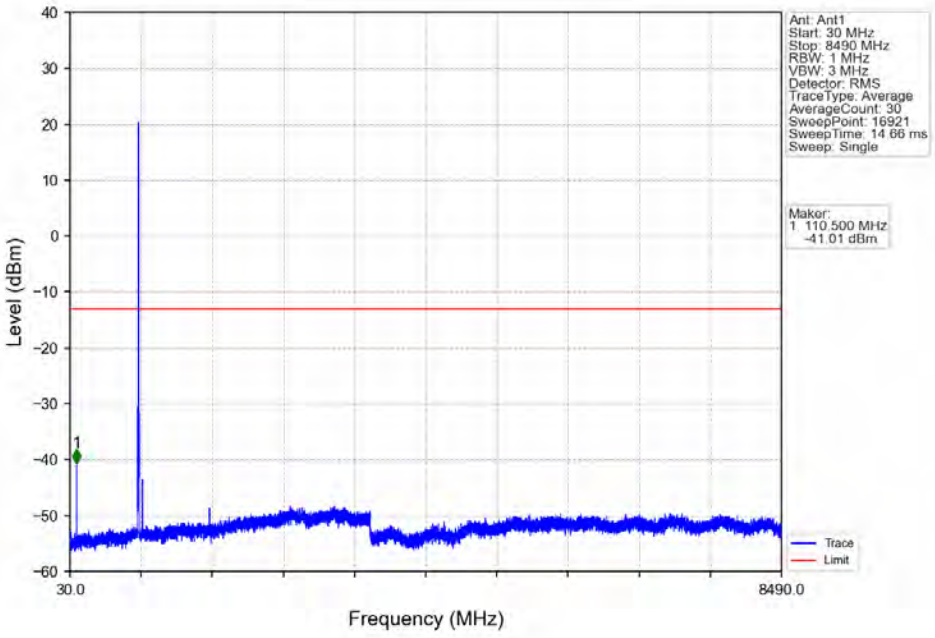


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-36.31	-13	Pass
823	824	0.051	/	2	823.970	-32.11	-13	Pass
824	829	0.051	/	/	/	/	/	/

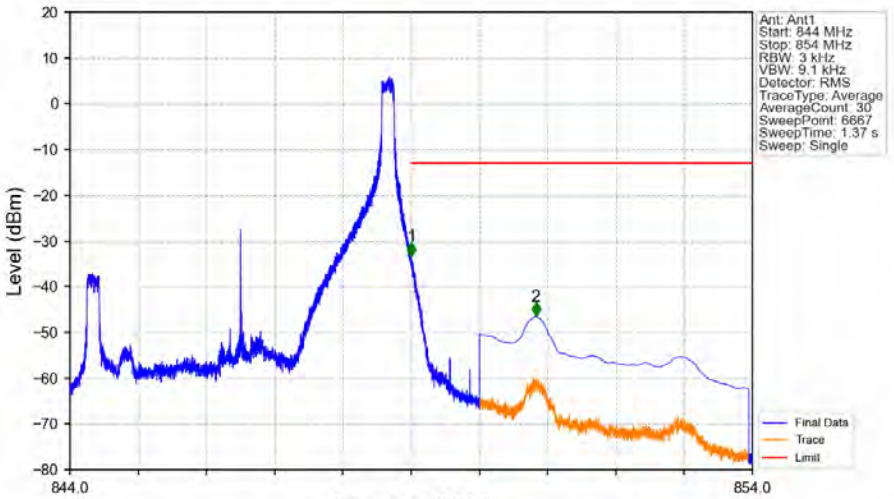
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV

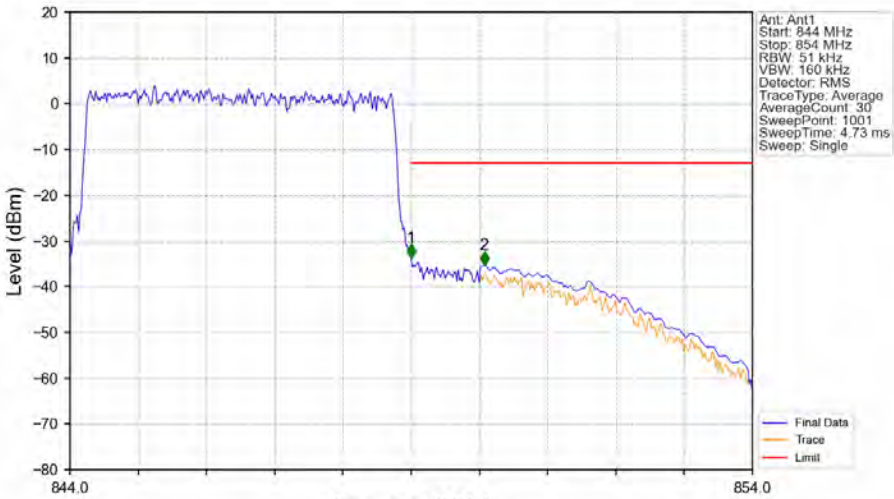


Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



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	849.003	-33.37	-13	Pass
850	854	0.1	CHP	2	850.827	-46.50	-13	Pass

Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.000	-33.72	-13	Pass
850	854	0.1	CHP	2	850.070	-35.31	-13	Pass

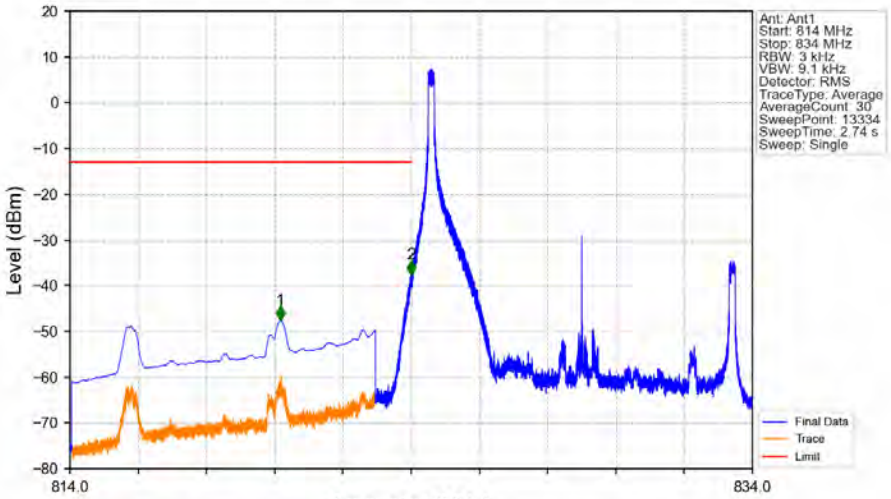
6.4 B5_10MHz

6.4.1 Test Result

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

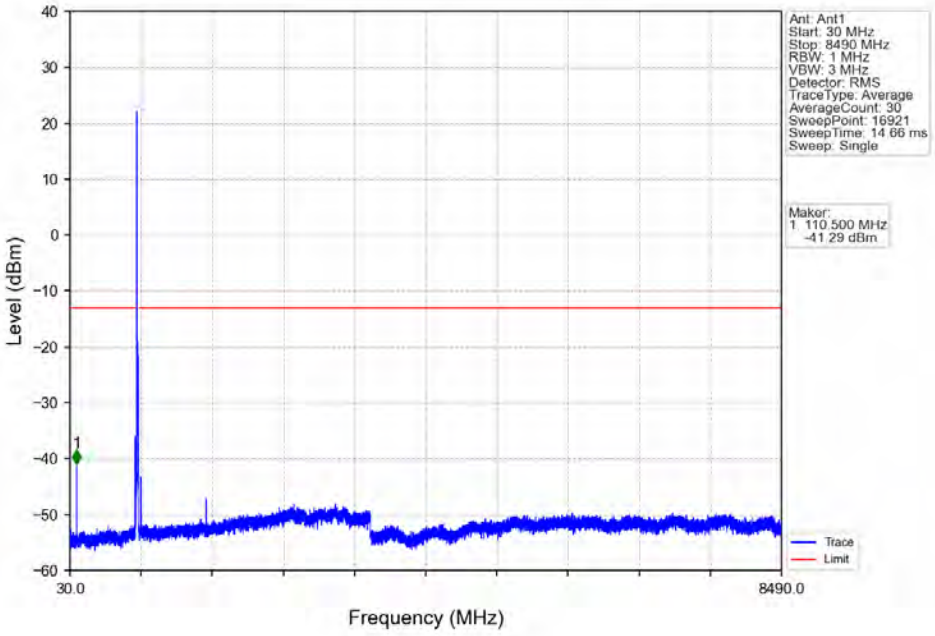
6.4.2 Test Graph

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

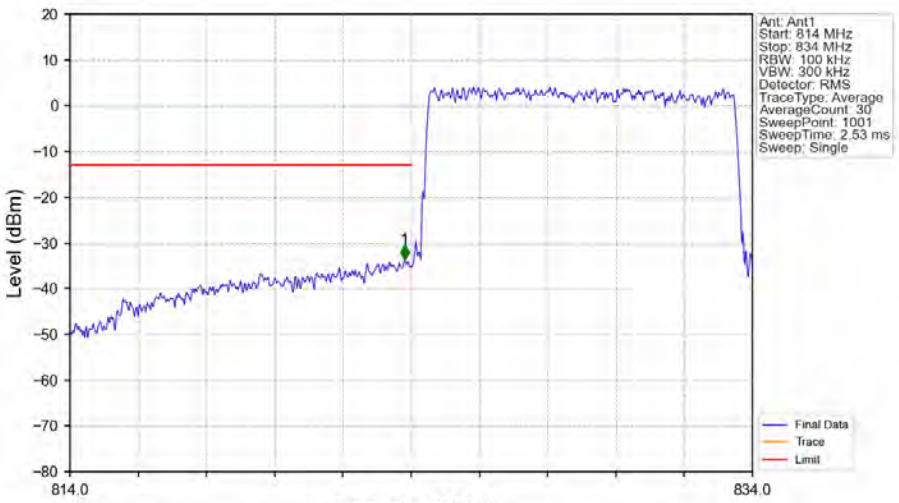


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.161	-47.61	-13	Pass
823	824	0.003	/	2	823.999	-37.59	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

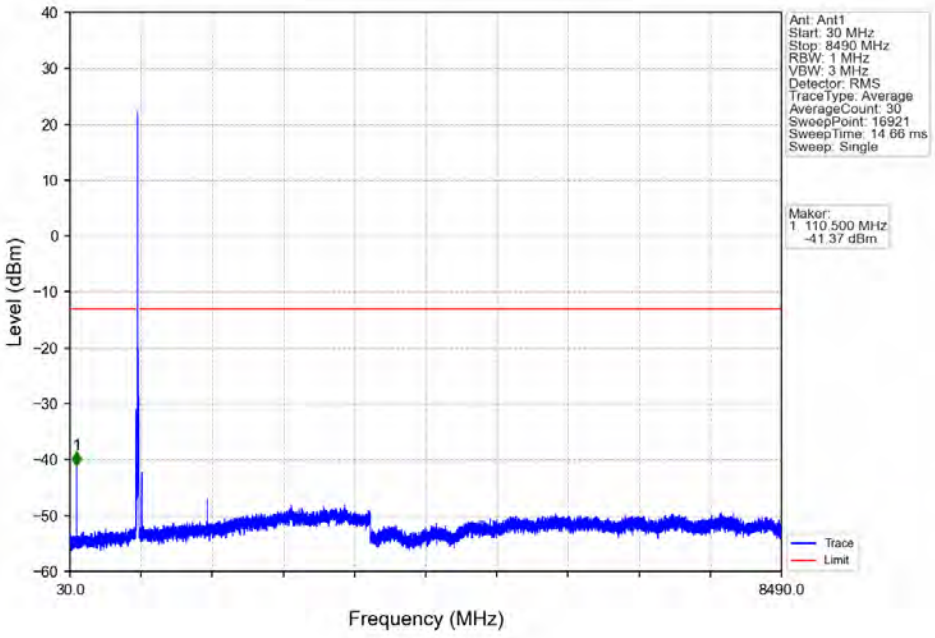


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

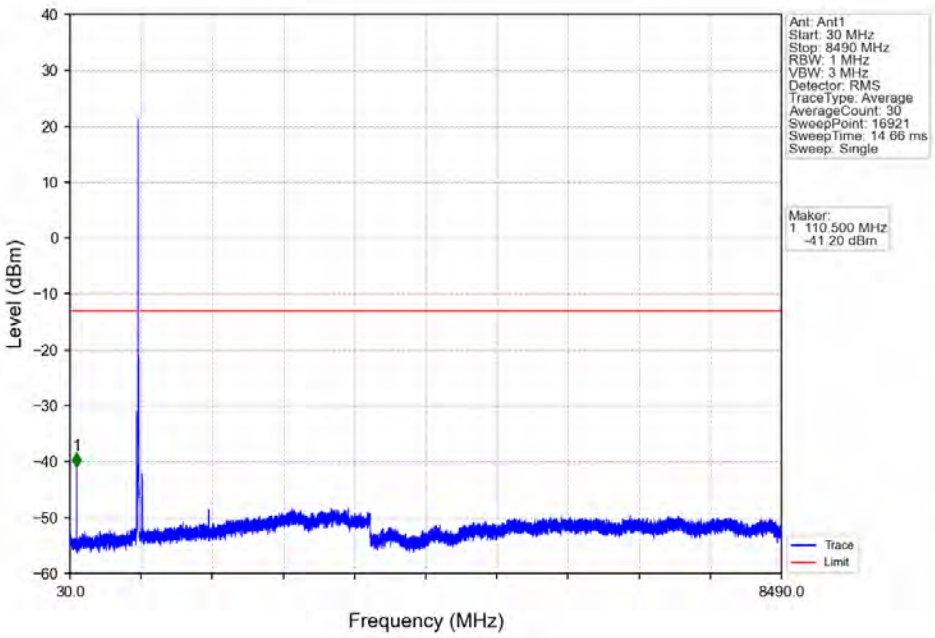


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.800	-33.61	-13	Pass
824	834	0.1	/	/	/	/	/	/

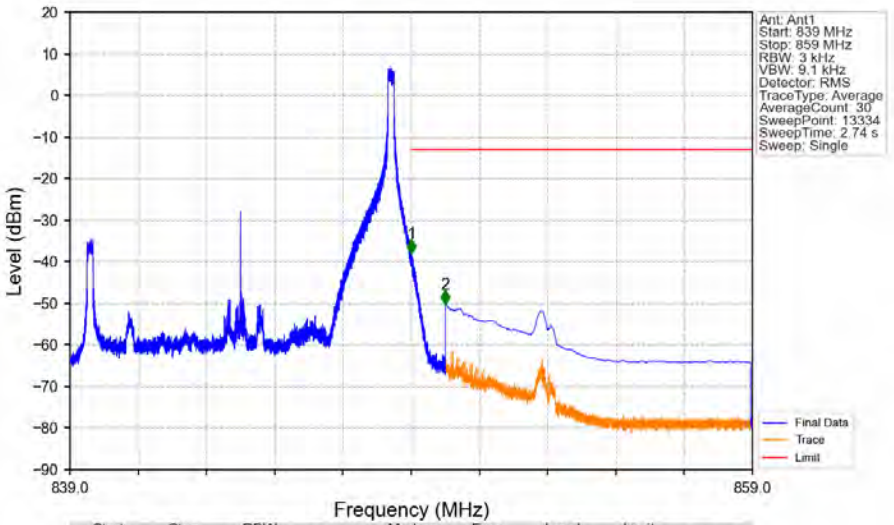
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

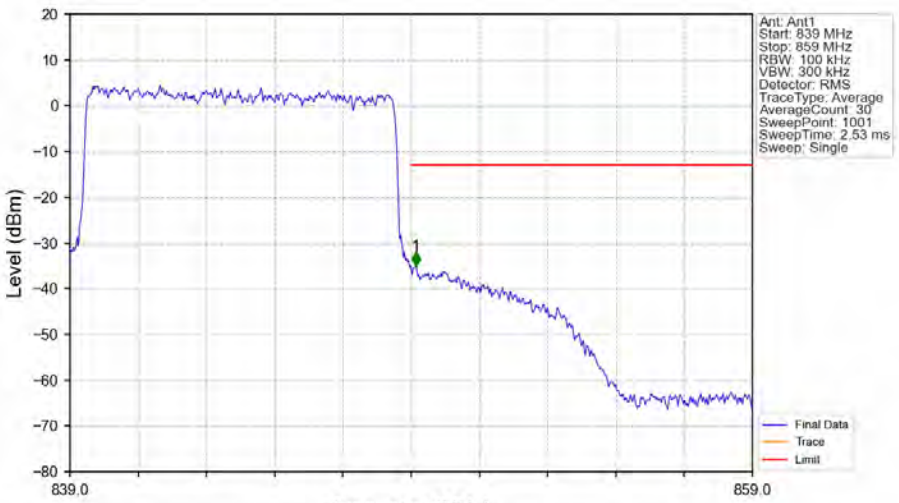


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



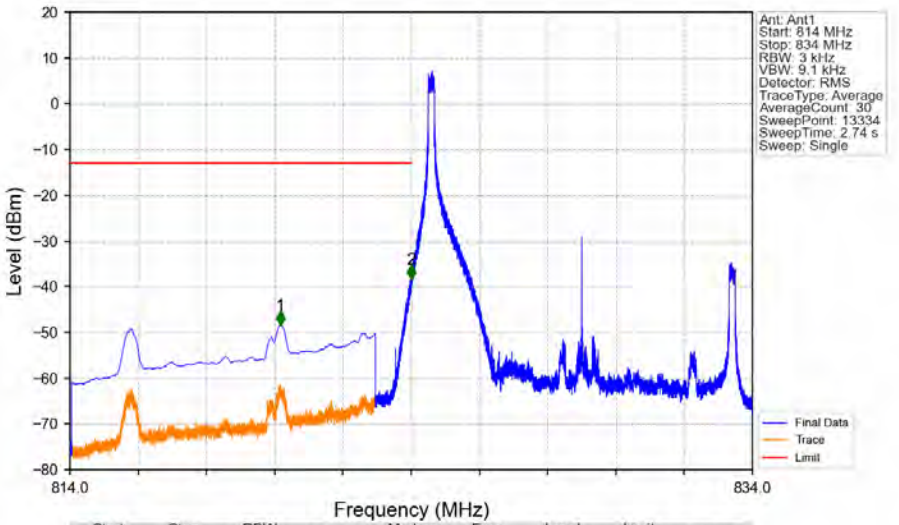
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.011	-38.10	-13	Pass
850	859	0.1	CHP	2	850.001	-50.20	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



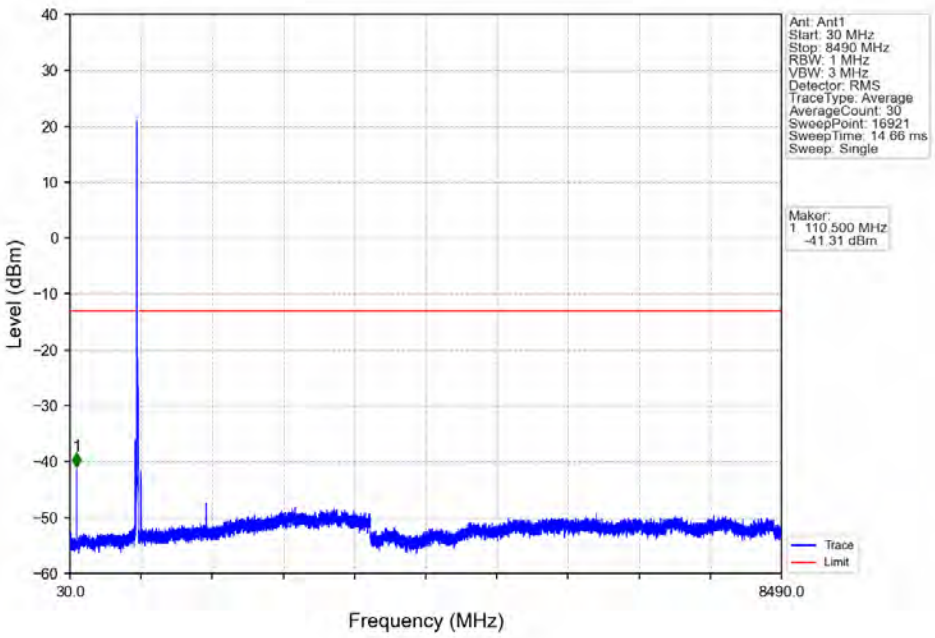
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.140	-35.09	-13	Pass

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

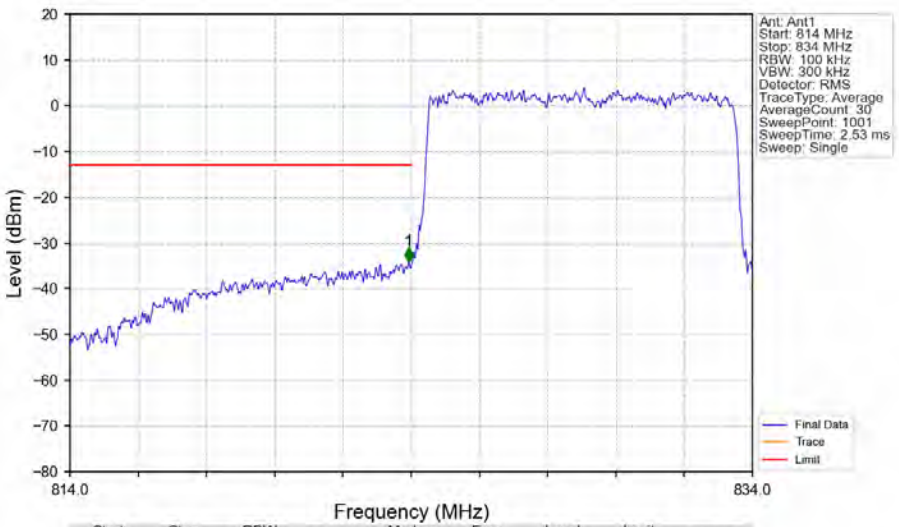


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.161	-48.40	-13	Pass
823	824	0.003	/	2	823.996	-38.40	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

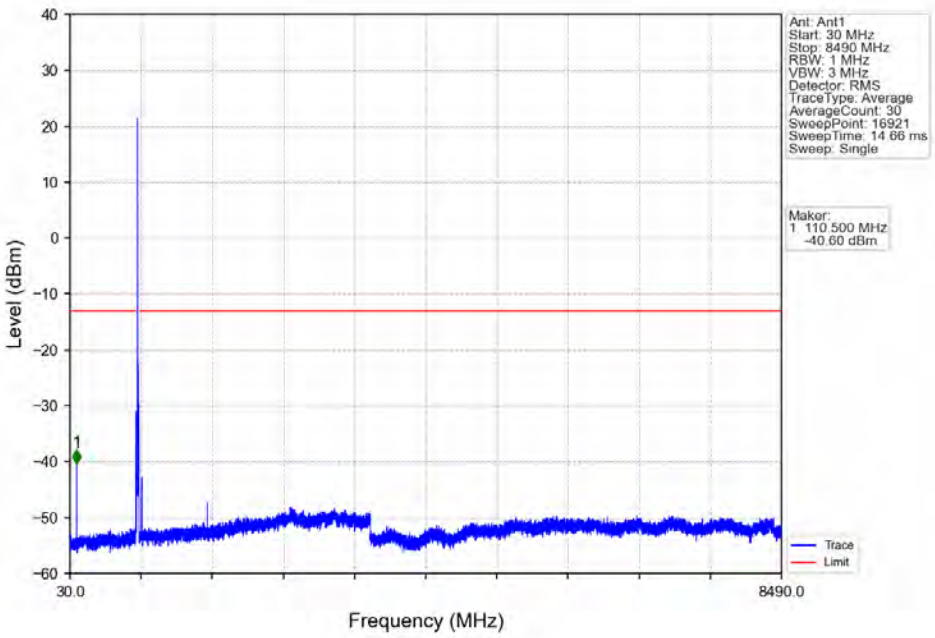


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

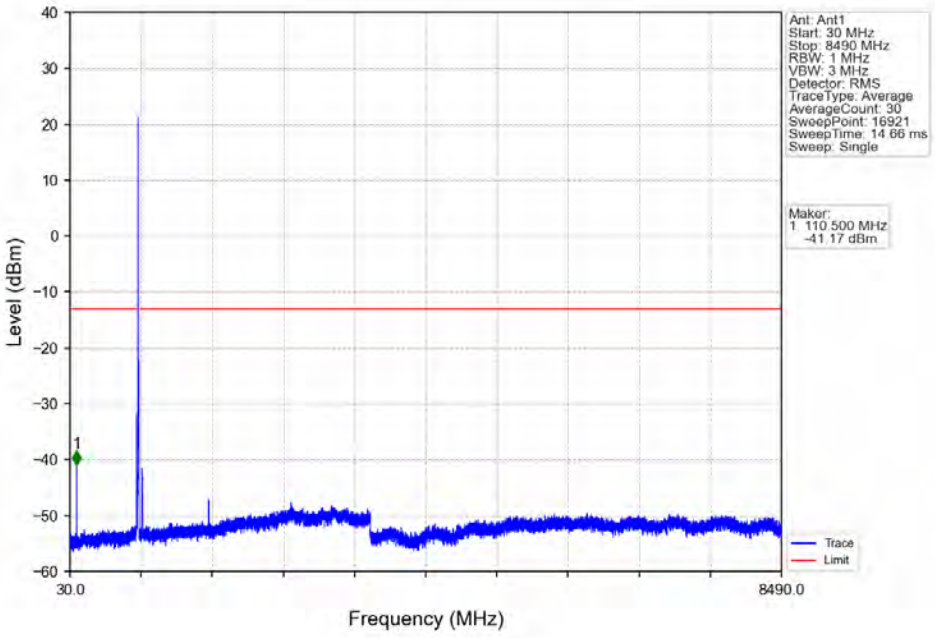


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.920	-34.06	-13	Pass
824	834	0.1	/	/	/	/	/	/

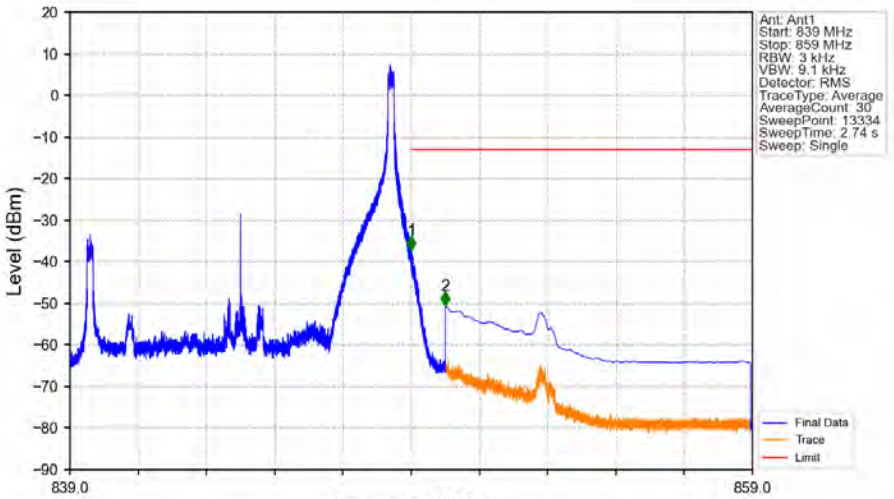
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

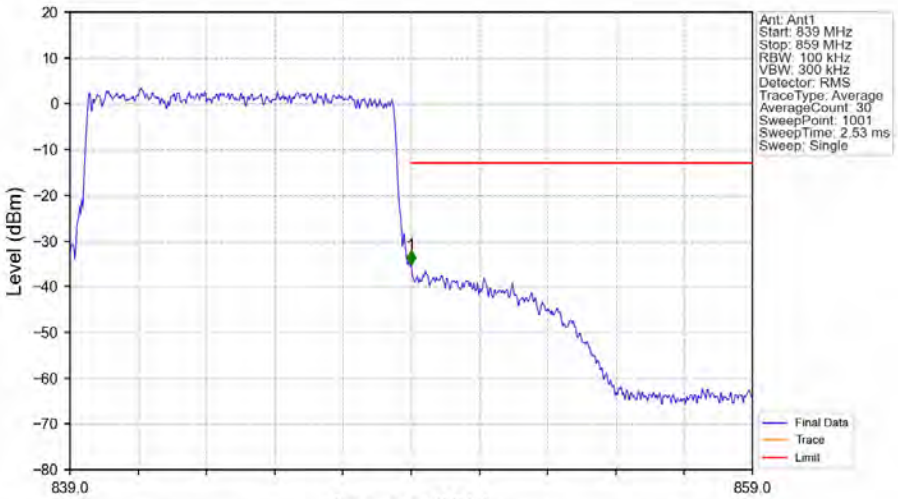


Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.002	-37.30	-13	Pass
850	859	0.1	CHP	2	850.001	-50.57	-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	-35.15	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

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	0.2123	0.0146	ppm	1M13G7D	24E	23.27
5	1.4	824.7	848.3	0.1560	0.0212	ppm	1M11W7D	24E	21.93
5	3	825.5	847.5	0.1941	0.0160	ppm	2M74G7D	24E	22.88
5	3	825.5	847.5	0.1614	0.0145	ppm	2M72W7D	24E	22.08
5	5	826.5	846.5	0.1888	0.0137	ppm	4M54G7D	24E	22.76
5	5	826.5	846.5	0.1567	0.0135	ppm	4M55W7D	24E	21.95
5	10	829	844	0.1919	0.0128	ppm	9M06G7D	24E	22.83
5	10	829	844	0.1622	0.0137	ppm	9M05W7D	24E	22.10

7.2 Form731_ERP

7.2.1 Test Result

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	0.0714	0.0146	ppm	1M13G7D	24E	18.54
5	1.4	824.7	848.3	0.0525	0.0212	ppm	1M11W7D	24E	17.20
5	3	825.5	847.5	0.0653	0.0160	ppm	2M74G7D	24E	18.15
5	3	825.5	847.5	0.0543	0.0145	ppm	2M72W7D	24E	17.35
5	5	826.5	846.5	0.0635	0.0137	ppm	4M54G7D	24E	18.03
5	5	826.5	846.5	0.0527	0.0135	ppm	4M55W7D	24E	17.22
5	10	829	844	0.0646	0.0128	ppm	9M06G7D	24E	18.10
5	10	829	844	0.0546	0.0137	ppm	9M05W7D	24E	17.37