

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	24.20	0.62	22.67	<=38.45	Pass
			2	24.36	0.62	22.83	<=38.45	Pass
			5	24.26	0.62	22.73	<=38.45	Pass
		3	0	24.14	0.62	22.61	<=38.45	Pass
			2	24.18	0.62	22.65	<=38.45	Pass
			3	24.10	0.62	22.57	<=38.45	Pass
		6	0	23.32	0.62	21.79	<=38.45	Pass
	836.5	1	0	24.07	0.62	22.54	<=38.45	Pass
			2	24.16	0.62	22.63	<=38.45	Pass
			5	24.06	0.62	22.53	<=38.45	Pass
		3	0	24.16	0.62	22.63	<=38.45	Pass
			2	24.17	0.62	22.64	<=38.45	Pass
			3	24.15	0.62	22.62	<=38.45	Pass
		6	0	23.14	0.62	21.61	<=38.45	Pass
	848.3	1	0	24.11	0.62	22.58	<=38.45	Pass
			2	24.36	0.62	22.83	<=38.45	Pass
			5	24.30	0.62	22.77	<=38.45	Pass
		3	0	24.02	0.62	22.49	<=38.45	Pass
			2	24.05	0.62	22.52	<=38.45	Pass
			3	24.00	0.62	22.47	<=38.45	Pass
		6	0	23.24	0.62	21.71	<=38.45	Pass
16QAM	824.7	1	0	23.17	0.62	21.64	<=38.45	Pass
			2	23.32	0.62	21.79	<=38.45	Pass
			5	23.19	0.62	21.66	<=38.45	Pass
		3	0	22.97	0.62	21.44	<=38.45	Pass
			2	23.01	0.62	21.48	<=38.45	Pass
			3	22.98	0.62	21.45	<=38.45	Pass
		6	0	22.23	0.62	20.70	<=38.45	Pass
	836.5	1	0	23.03	0.62	21.50	<=38.45	Pass
			2	23.10	0.62	21.57	<=38.45	Pass
			5	23.00	0.62	21.47	<=38.45	Pass
		3	0	23.33	0.62	21.80	<=38.45	Pass
			2	23.32	0.62	21.79	<=38.45	Pass
			3	23.30	0.62	21.77	<=38.45	Pass
		6	0	22.18	0.62	20.65	<=38.45	Pass
	848.3	1	0	22.93	0.62	21.40	<=38.45	Pass
			2	23.05	0.62	21.52	<=38.45	Pass
			5	22.99	0.62	21.46	<=38.45	Pass
		3	0	23.03	0.62	21.50	<=38.45	Pass
			2	23.04	0.62	21.51	<=38.45	Pass
			3	22.86	0.62	21.33	<=38.45	Pass
		6	0	22.05	0.62	20.52	<=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	24.44	0.62	22.91	<=38.45	Pass
			7	24.54	0.62	23.01	<=38.45	Pass
			14	24.48	0.62	22.95	<=38.45	Pass
		8	0	23.32	0.62	21.79	<=38.45	Pass
			4	23.38	0.62	21.85	<=38.45	Pass
			7	23.31	0.62	21.78	<=38.45	Pass
		15	0	23.20	0.62	21.67	<=38.45	Pass
	836.5	1	0	24.21	0.62	22.68	<=38.45	Pass
			7	24.34	0.62	22.81	<=38.45	Pass
			14	24.19	0.62	22.66	<=38.45	Pass
		8	0	23.19	0.62	21.66	<=38.45	Pass
			4	23.21	0.62	21.68	<=38.45	Pass
			7	23.17	0.62	21.64	<=38.45	Pass
	15	0	23.14	0.62	21.61	<=38.45	Pass	
	847.5	1	0	24.16	0.62	22.63	<=38.45	Pass
			7	24.28	0.62	22.75	<=38.45	Pass
			14	24.40	0.62	22.87	<=38.45	Pass
		8	0	23.18	0.62	21.65	<=38.45	Pass
			4	23.23	0.62	21.70	<=38.45	Pass
			7	23.19	0.62	21.66	<=38.45	Pass
		15	0	23.16	0.62	21.63	<=38.45	Pass
16QAM	825.5	1	0	23.21	0.62	21.68	<=38.45	Pass
			7	23.32	0.62	21.79	<=38.45	Pass
			14	23.17	0.62	21.64	<=38.45	Pass
		8	0	22.32	0.62	20.79	<=38.45	Pass
			4	22.37	0.62	20.84	<=38.45	Pass
			7	22.30	0.62	20.77	<=38.45	Pass
		15	0	22.23	0.62	20.70	<=38.45	Pass
	836.5	1	0	23.35	0.62	21.82	<=38.45	Pass
			7	23.46	0.62	21.93	<=38.45	Pass
			14	23.31	0.62	21.78	<=38.45	Pass
		8	0	22.27	0.62	20.74	<=38.45	Pass
			4	22.26	0.62	20.73	<=38.45	Pass
			7	22.21	0.62	20.68	<=38.45	Pass
	15	0	22.21	0.62	20.68	<=38.45	Pass	
	847.5	1	0	23.62	0.62	22.09	<=38.45	Pass
			7	23.71	0.62	22.18	<=38.45	Pass
			14	23.39	0.62	21.86	<=38.45	Pass
		8	0	22.36	0.62	20.83	<=38.45	Pass
			4	22.43	0.62	20.90	<=38.45	Pass
			7	22.32	0.62	20.79	<=38.45	Pass
		15	0	22.27	0.62	20.74	<=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	24.11	0.62	22.58	<=38.45	Pass
			13	24.27	0.62	22.74	<=38.45	Pass
			24	24.13	0.62	22.60	<=38.45	Pass
		12	0	23.02	0.62	21.49	<=38.45	Pass
			6	23.11	0.62	21.58	<=38.45	Pass
			13	23.00	0.62	21.47	<=38.45	Pass
		25	0	23.01	0.62	21.48	<=38.45	Pass
	836.5	1	0	23.99	0.62	22.46	<=38.45	Pass
			13	24.08	0.62	22.55	<=38.45	Pass
			24	23.97	0.62	22.44	<=38.45	Pass
		12	0	22.99	0.62	21.46	<=38.45	Pass
			6	23.07	0.62	21.54	<=38.45	Pass
			13	22.96	0.62	21.43	<=38.45	Pass
		25	0	23.00	0.62	21.47	<=38.45	Pass
	846.5	1	0	23.99	0.62	22.46	<=38.45	Pass
			13	24.05	0.62	22.52	<=38.45	Pass
			24	24.07	0.62	22.54	<=38.45	Pass
		12	0	22.95	0.62	21.42	<=38.45	Pass
			6	23.03	0.62	21.50	<=38.45	Pass
			13	22.92	0.62	21.39	<=38.45	Pass
		25	0	22.96	0.62	21.43	<=38.45	Pass
16QAM	826.5	1	0	22.99	0.62	21.46	<=38.45	Pass
			13	23.14	0.62	21.61	<=38.45	Pass
			24	23.00	0.62	21.47	<=38.45	Pass
		12	0	22.02	0.62	20.49	<=38.45	Pass
			6	22.11	0.62	20.58	<=38.45	Pass
			13	22.00	0.62	20.47	<=38.45	Pass
		25	0	22.05	0.62	20.52	<=38.45	Pass
	836.5	1	0	23.21	0.62	21.68	<=38.45	Pass
			13	23.29	0.62	21.76	<=38.45	Pass
			24	23.08	0.62	21.55	<=38.45	Pass
		12	0	22.16	0.62	20.63	<=38.45	Pass
			6	22.20	0.62	20.67	<=38.45	Pass
			13	22.08	0.62	20.55	<=38.45	Pass
		25	0	22.08	0.62	20.55	<=38.45	Pass
	846.5	1	0	22.65	0.62	21.12	<=38.45	Pass
			13	22.85	0.62	21.32	<=38.45	Pass
			24	22.68	0.62	21.15	<=38.45	Pass
		12	0	22.07	0.62	20.54	<=38.45	Pass
			6	22.12	0.62	20.59	<=38.45	Pass
			13	22.00	0.62	20.47	<=38.45	Pass
		25	0	22.06	0.62	20.53	<=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 / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.16	0.62	22.63	<=38.45	Pass
			25	24.42	0.62	22.89	<=38.45	Pass
			49	24.05	0.62	22.52	<=38.45	Pass
		25	0	23.17	0.62	21.64	<=38.45	Pass
			13	23.14	0.62	21.61	<=38.45	Pass
			25	23.08	0.62	21.55	<=38.45	Pass
		50	0	23.10	0.62	21.57	<=38.45	Pass
	836.5	1	0	24.05	0.62	22.52	<=38.45	Pass
			25	24.32	0.62	22.79	<=38.45	Pass
			49	24.15	0.62	22.62	<=38.45	Pass
		25	0	23.13	0.62	21.60	<=38.45	Pass
			13	23.11	0.62	21.58	<=38.45	Pass
			25	23.00	0.62	21.47	<=38.45	Pass
		50	0	23.03	0.62	21.50	<=38.45	Pass
	844	1	0	24.11	0.62	22.58	<=38.45	Pass
			25	24.40	0.62	22.87	<=38.45	Pass
			49	24.16	0.62	22.63	<=38.45	Pass
		25	0	23.12	0.62	21.59	<=38.45	Pass
			13	23.05	0.62	21.52	<=38.45	Pass
			25	23.03	0.62	21.50	<=38.45	Pass
		50	0	23.08	0.62	21.55	<=38.45	Pass
16QAM	829	1	0	23.13	0.62	21.60	<=38.45	Pass
			25	23.34	0.62	21.81	<=38.45	Pass
			49	23.20	0.62	21.67	<=38.45	Pass
		25	0	22.15	0.62	20.62	<=38.45	Pass
			13	22.13	0.62	20.60	<=38.45	Pass
			25	22.15	0.62	20.62	<=38.45	Pass
		50	0	22.12	0.62	20.59	<=38.45	Pass
	836.5	1	0	23.46	0.62	21.93	<=38.45	Pass
			25	23.71	0.62	22.18	<=38.45	Pass
			49	23.28	0.62	21.75	<=38.45	Pass
		25	0	22.25	0.62	20.72	<=38.45	Pass
			13	22.22	0.62	20.69	<=38.45	Pass
	50	0	22.09	0.62	20.56	<=38.45	Pass	
	844	1	0	22.16	0.62	20.63	<=38.45	Pass
			0	22.91	0.62	21.38	<=38.45	Pass
			25	23.12	0.62	21.59	<=38.45	Pass
		25	49	22.91	0.62	21.38	<=38.45	Pass
			0	22.15	0.62	20.62	<=38.45	Pass
			13	22.10	0.62	20.57	<=38.45	Pass
		25	22.16	0.62	20.63	<=38.45	Pass	
		50	0	22.13	0.62	20.60	<=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	-1.330	-0.0016	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0087	-2.5 to 2.5	Pass
					4.43	-8.755	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-12.116	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-12.031	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-12.574	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-14.648	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-12.360	-0.0150	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-11.659	-0.0139	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
					4.43	-10.915	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-7.982	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-15.020	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-8.354	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-9.913	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0107	-2.5 to 2.5	Pass
				40	3.85	12.417	0.0148	-2.5 to 2.5	Pass
				50	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-8.454	-0.0100	-2.5 to 2.5	Pass
					3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-6.924	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-4.177	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-8.698	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0084	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-7.610	-0.0092	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-8.712	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-17.352	-0.0210	-2.5 to 2.5	Pass
				40	3.85	-7.925	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-8.426	-0.0101	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0108	-2.5 to 2.5	Pass
					4.43	-7.467	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-8.225	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass

				-10	3.85	-8.340	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.562	-0.0042	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0095	-2.5 to 2.5	Pass
					4.43	-7.854	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.339	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-10.371	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0013	-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	0.987	0.0012	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0064	-2.5 to 2.5	Pass
					4.43	-6.437	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0094	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-3.991	-0.0048	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0078	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-8.097	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.315	-0.0004	-2.5 to 2.5	Pass
					3.85	15.306	0.0181	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.249	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.518	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0060	-2.5 to 2.5	Pass
				40	3.85	1.359	0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0040	-2.5 to 2.5	Pass

16QAM	825.5	15	0	20	3.27	-4.950	-0.0060	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.518	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-6.037	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
	836.5	15	0	20	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0075	-2.5 to 2.5	Pass
					3.85	-9.141	-0.0109	-2.5 to 2.5	Pass
				20	3.85	-7.296	-0.0087	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0110	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
	847.5	15	0	0	3.85	-6.223	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0039	-2.5 to 2.5	Pass
				20	3.85	2.346	0.0028	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0050	-2.5 to 2.5	Pass
				50	3.85				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	-1.345	-0.0016	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
					4.43	-3.018	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.317	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.722	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-3.905	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass
	836.5	25	0	50	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass
				20	3.27	-7.997	-0.0096	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-7.253	-0.0087	-2.5 to 2.5	Pass

				0	3.85	-6.495	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-3.691	-0.0044	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-5.836	-0.0069	-2.5 to 2.5	Pass
					3.85	-6.037	-0.0071	-2.5 to 2.5	Pass
					4.43	-6.809	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-9.227	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-8.054	-0.0095	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-3.333	-0.0040	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0027	-2.5 to 2.5	Pass
					4.43	0.787	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-11.487	-0.0139	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-7.424	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-8.283	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-9.742	-0.0118	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-3.090	-0.0037	-2.5 to 2.5	Pass
					3.85	0.415	0.0005	-2.5 to 2.5	Pass
					4.43	-1.788	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-9.098	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-7.167	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-8.569	-0.0101	-2.5 to 2.5	Pass
					3.85	-8.025	-0.0095	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-11.387	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-8.454	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-9.155	-0.0108	-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	-10.643	-0.0128	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0042	-2.5 to 2.5	Pass
					4.43	-9.041	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-9.699	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-7.839	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0088	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-7.868	-0.0094	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-9.298	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-4.735	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-7.081	-0.0084	-2.5 to 2.5	Pass
					3.85	-6.194	-0.0073	-2.5 to 2.5	Pass
					4.43	-4.148	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-8.340	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-8.497	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-3.662	-0.0044	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0043	-2.5 to 2.5	Pass
					4.43	-9.027	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-9.627	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-9.241	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-11.759	-0.0142	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0105	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.452	-0.0077	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-6.280	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-7.968	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-10.042	-0.0120	-2.5 to 2.5	Pass

	844	50	0	30	3.85	-4.992	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				20	3.27	-7.825	-0.0093	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
					4.43	-7.668	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-10.929	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-11.144	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-9.828	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-11.859	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-6.852	-0.0081	-2.5 to 2.5	Pass

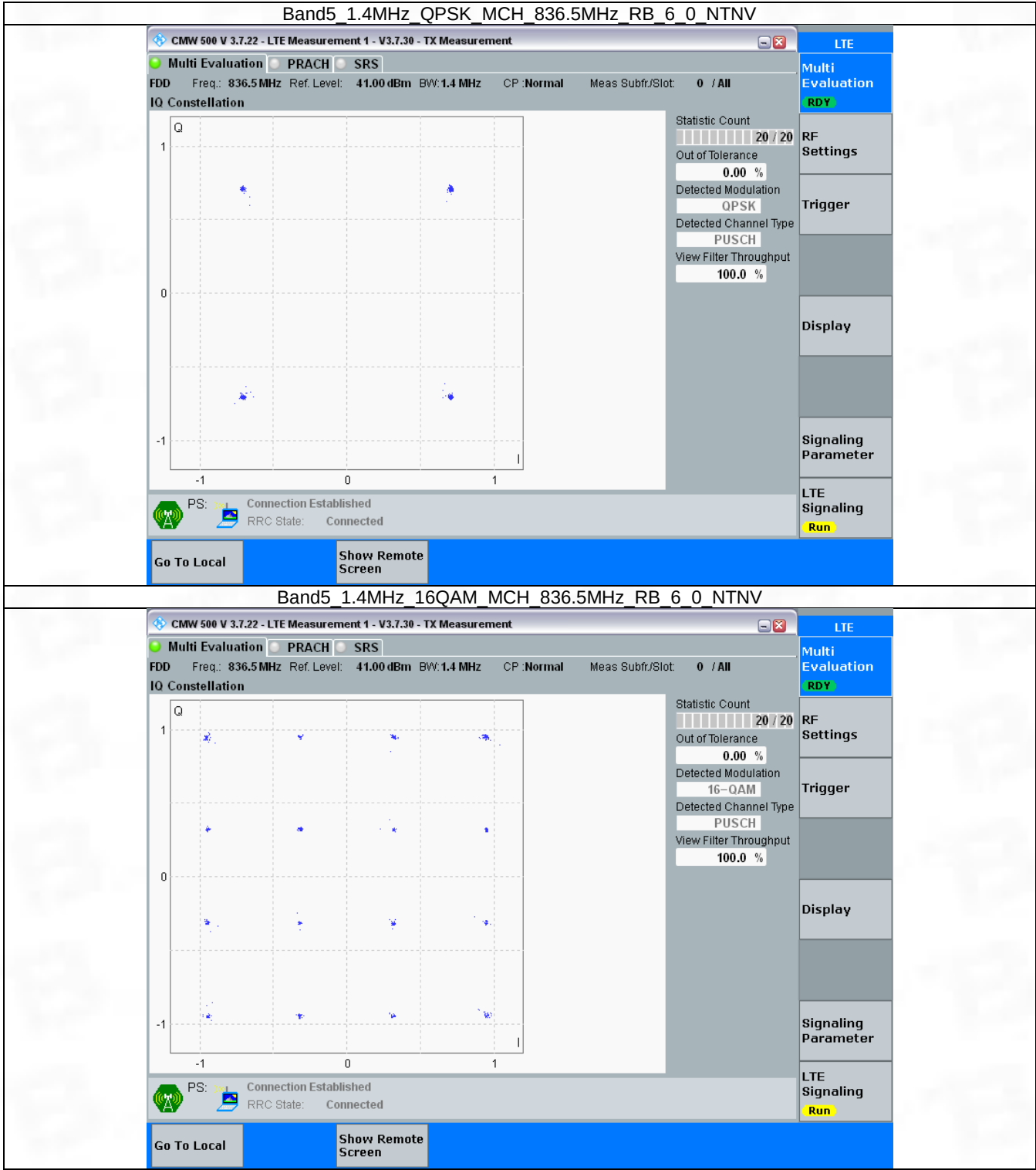
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTN						
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

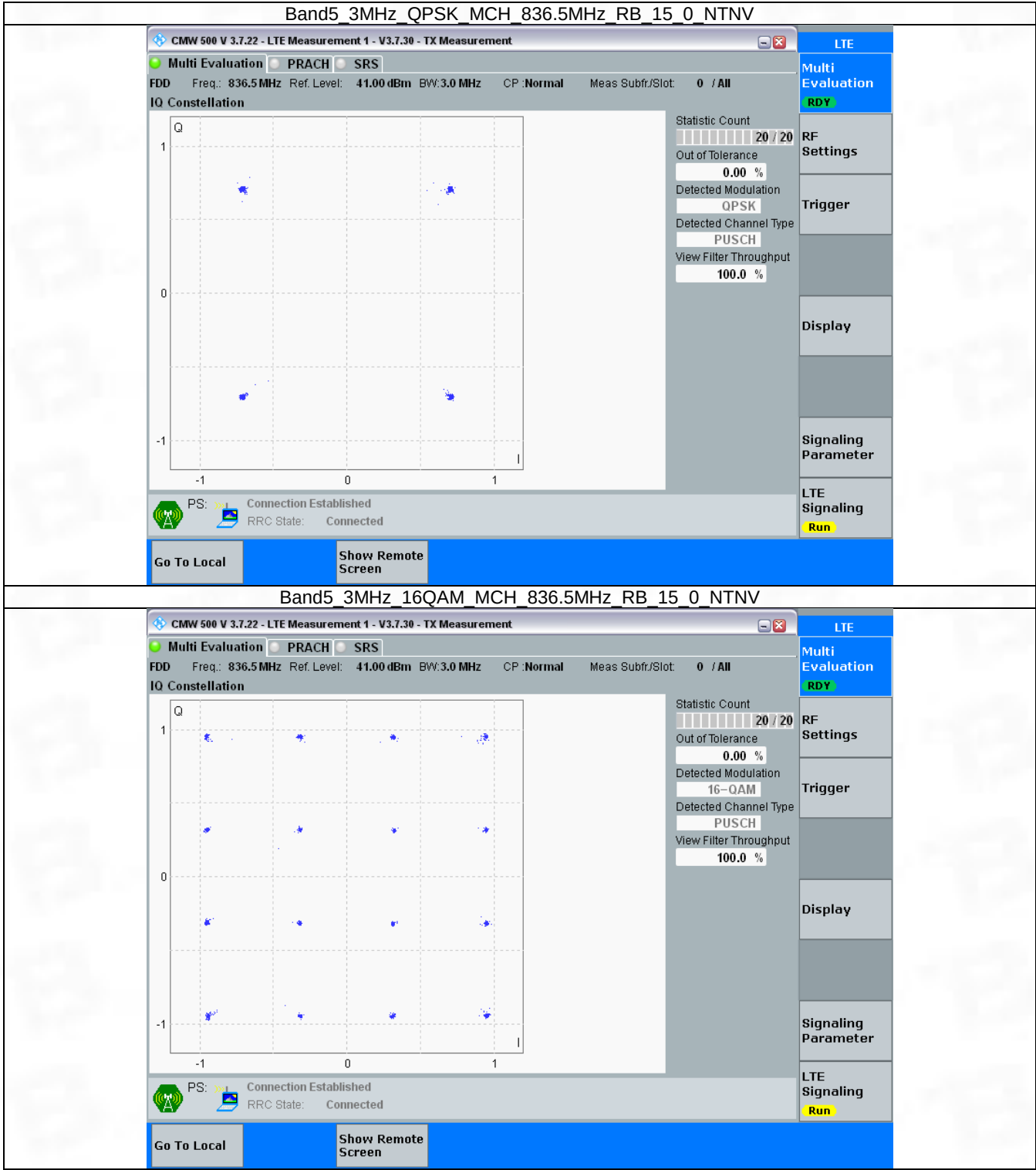


3.2 B5_3MHz

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

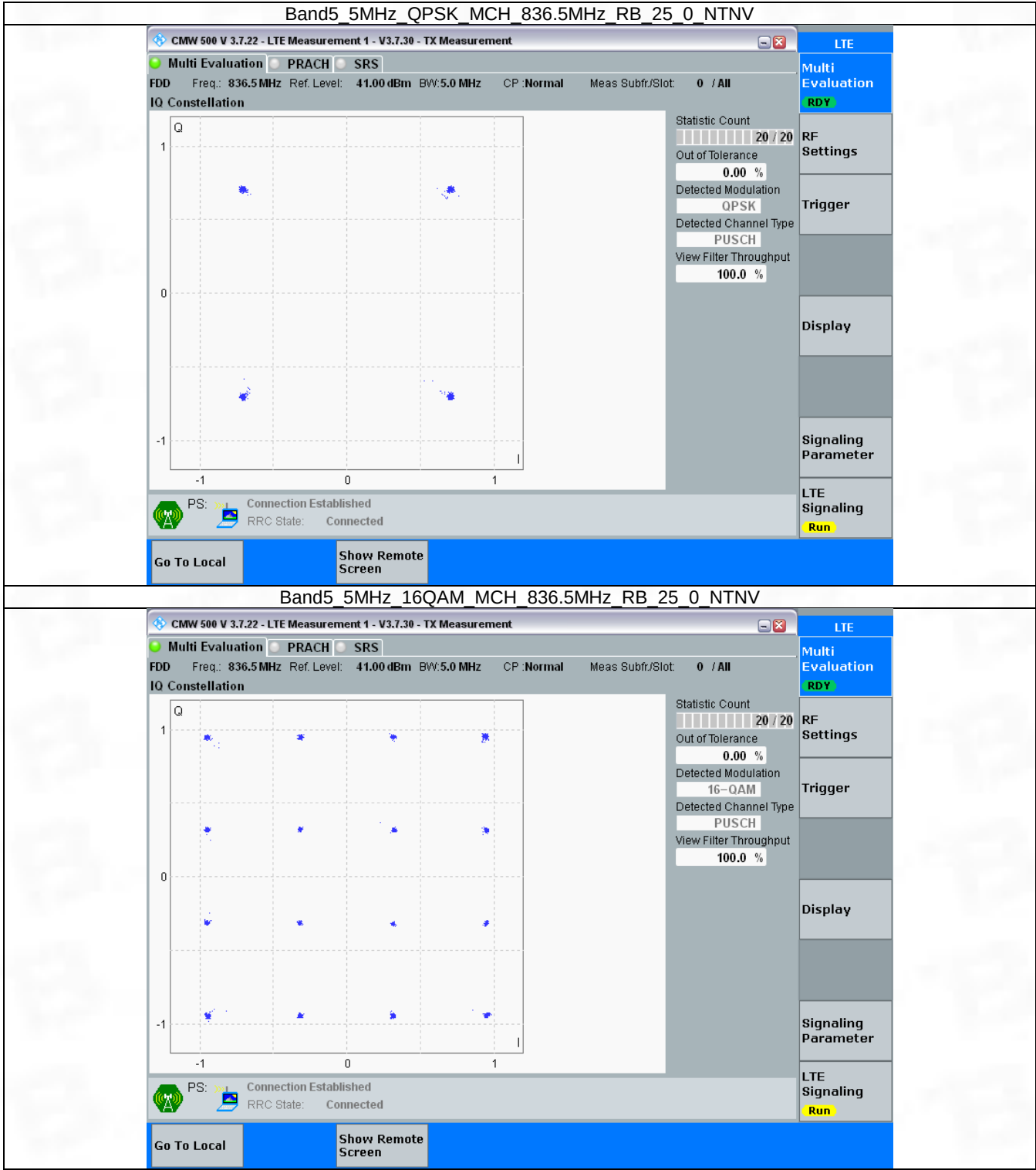


3.3 B5_5MHz

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

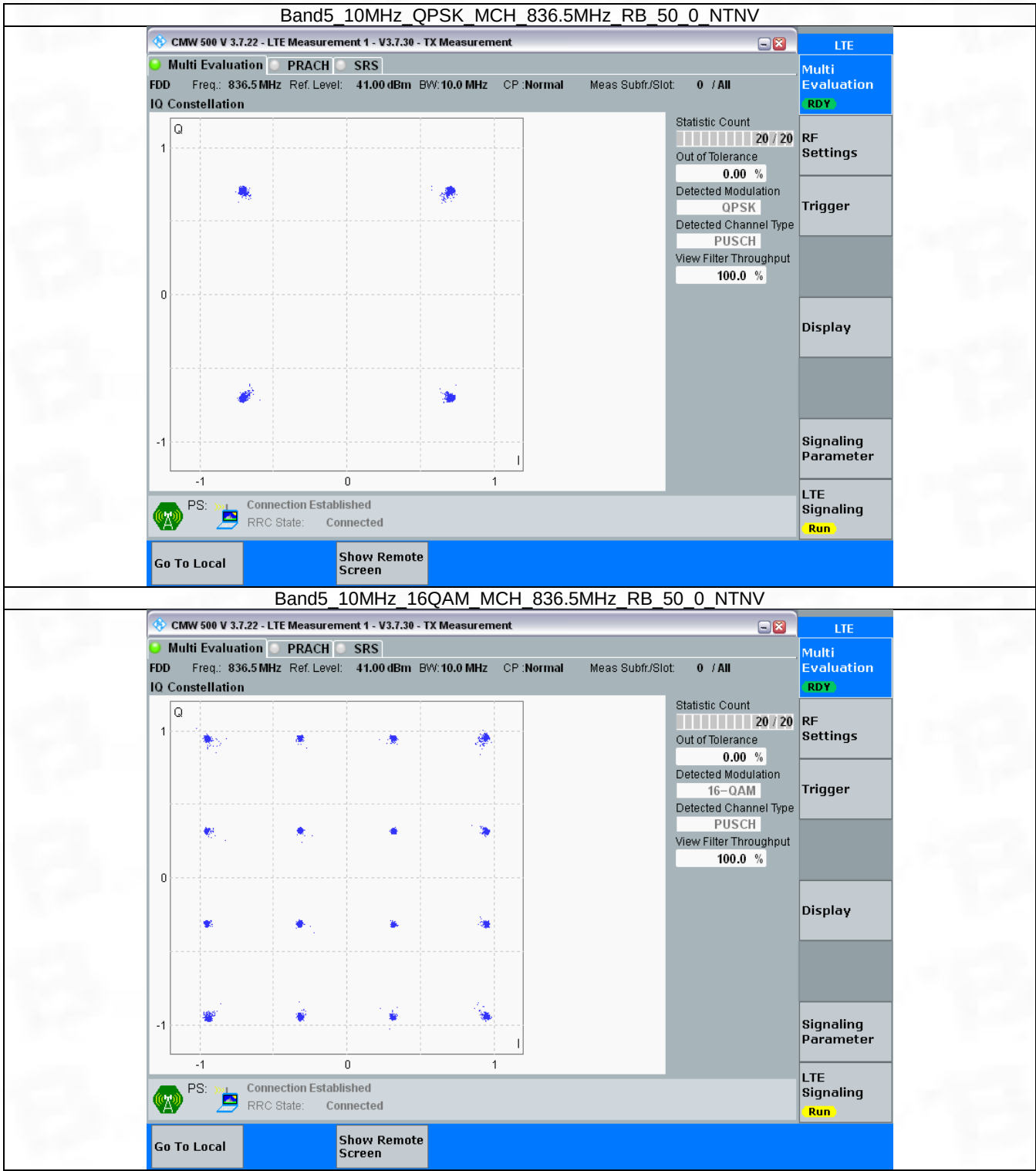


3.4 B5_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph



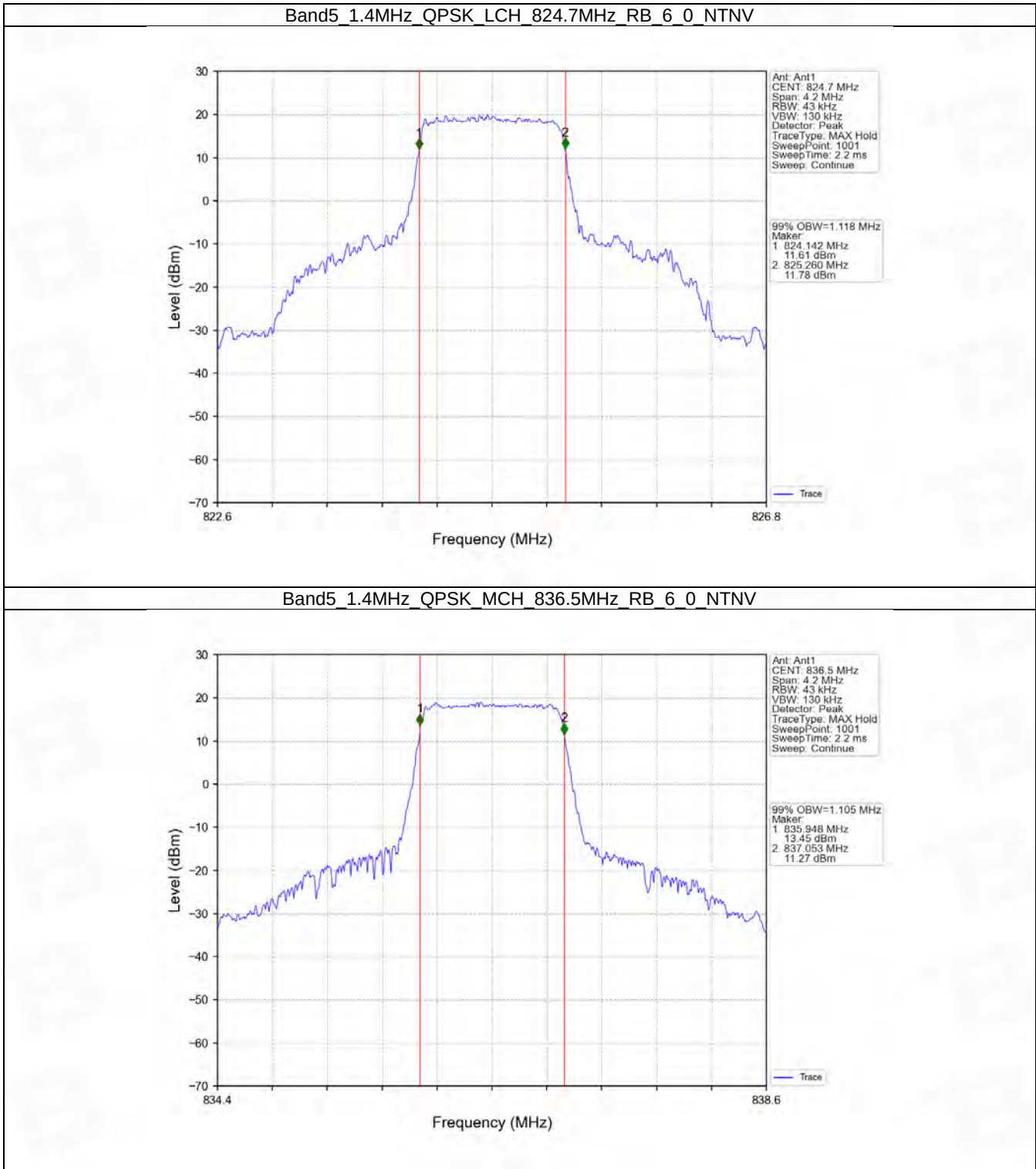
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

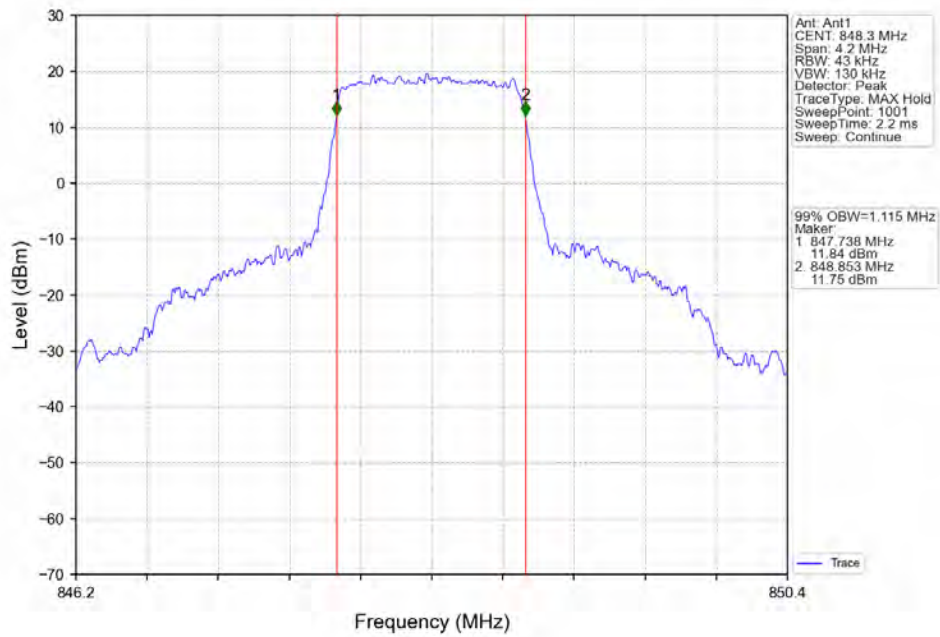
4.1.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.118	Pass
		836.5	6	0	1.105	Pass
		848.3	6	0	1.115	Pass
	16QAM	824.7	6	0	1.106	Pass
		836.5	6	0	1.110	Pass
		848.3	6	0	1.112	Pass
3	QPSK	825.5	15	0	2.742	Pass
		836.5	15	0	2.736	Pass
		847.5	15	0	2.728	Pass
	16QAM	825.5	15	0	2.721	Pass
		836.5	15	0	2.727	Pass
		847.5	15	0	2.713	Pass
5	QPSK	826.5	25	0	4.585	Pass
		836.5	25	0	4.563	Pass
		846.5	25	0	4.577	Pass
	16QAM	826.5	25	0	4.605	Pass
		836.5	25	0	4.604	Pass
		846.5	25	0	4.546	Pass
10	QPSK	829	50	0	9.095	Pass
		836.5	50	0	9.074	Pass
		844	50	0	9.146	Pass
	16QAM	829	50	0	9.107	Pass
		836.5	50	0	9.047	Pass
		844	50	0	9.155	Pass

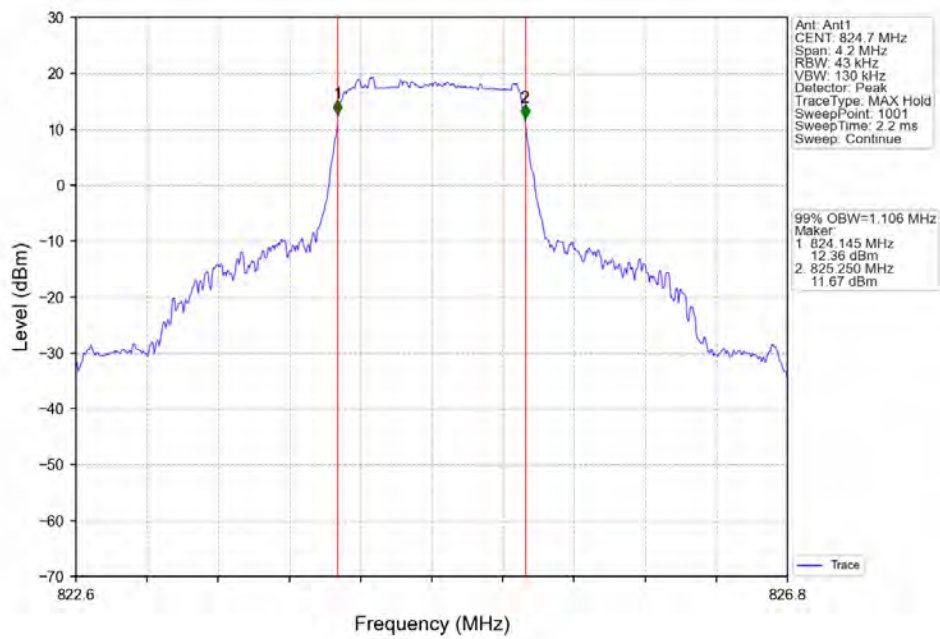
4.1.2 Test Graph



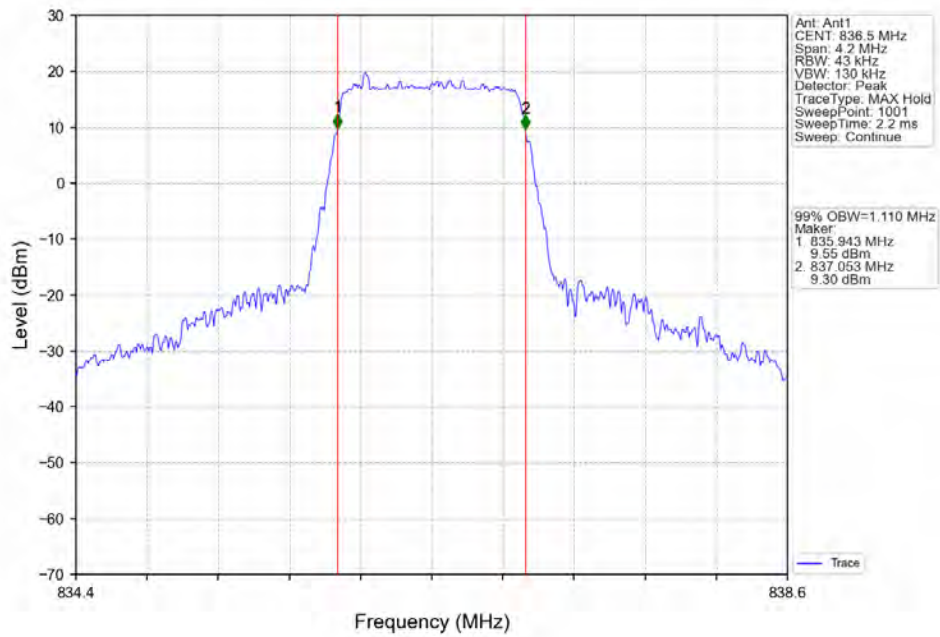
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



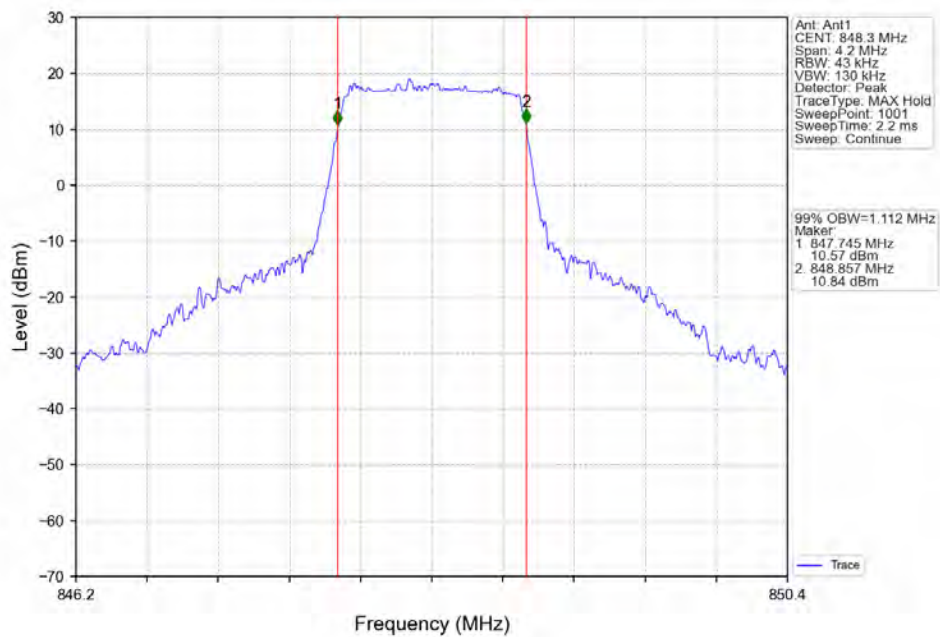
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



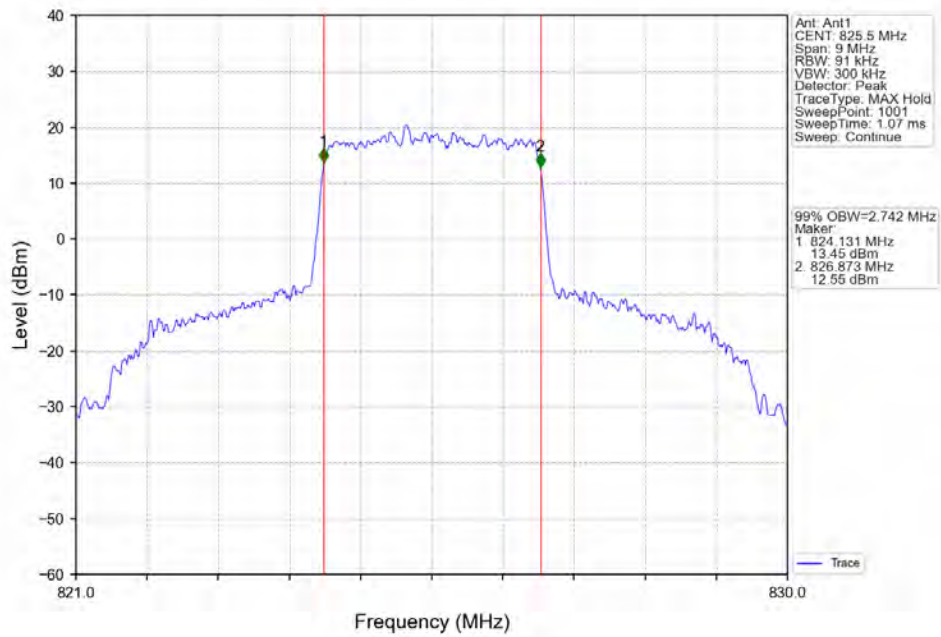
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



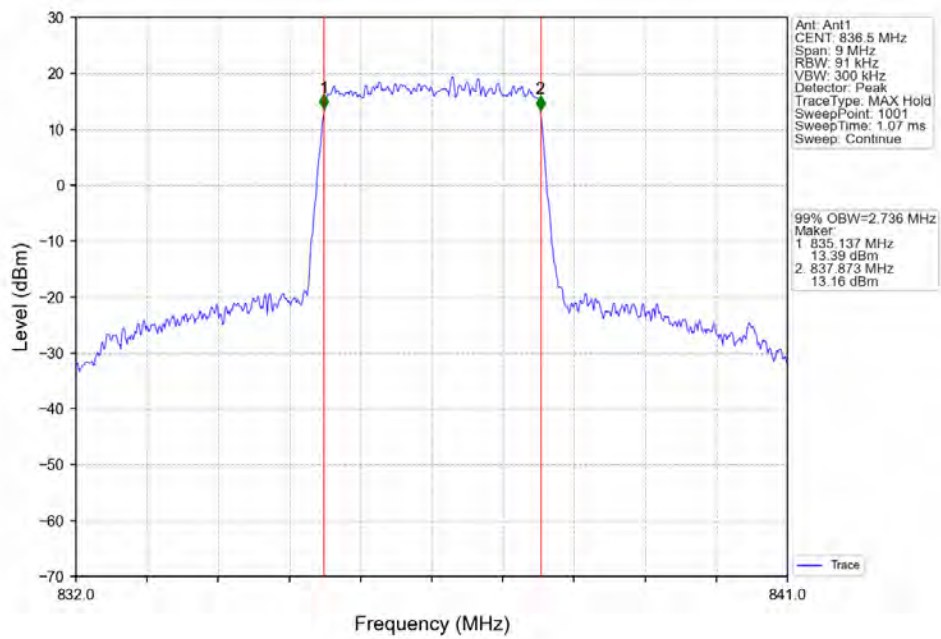
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



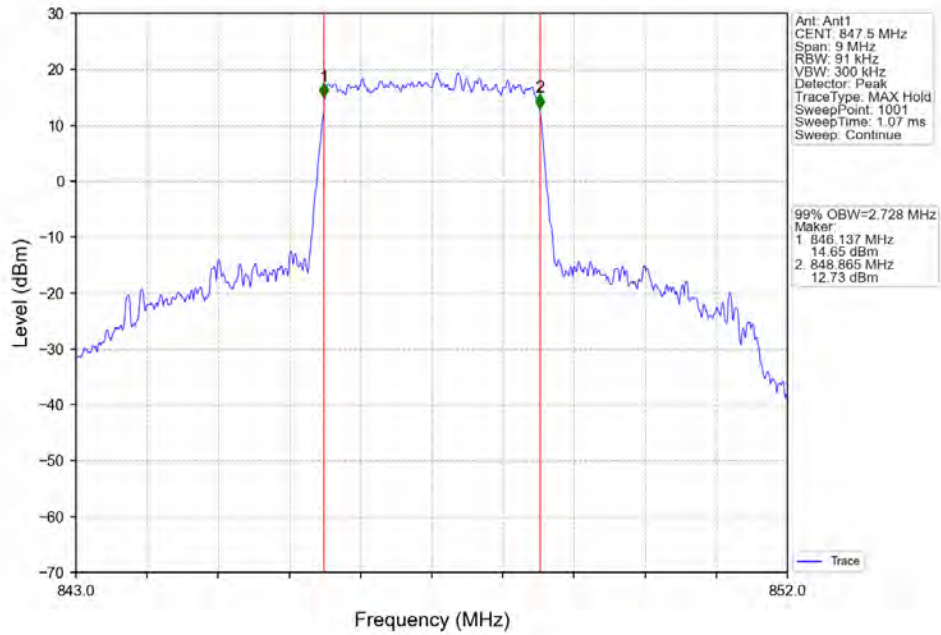
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



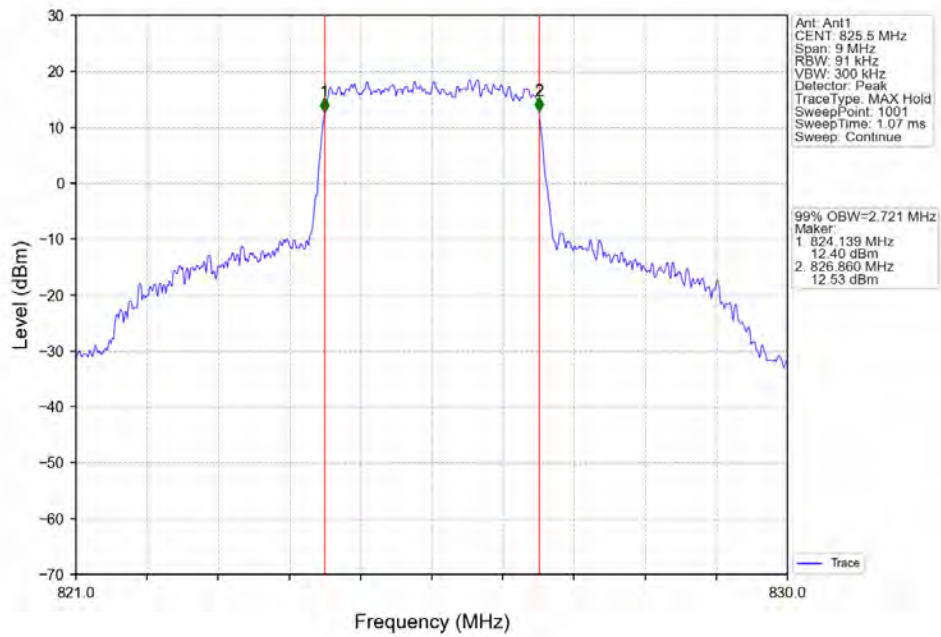
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



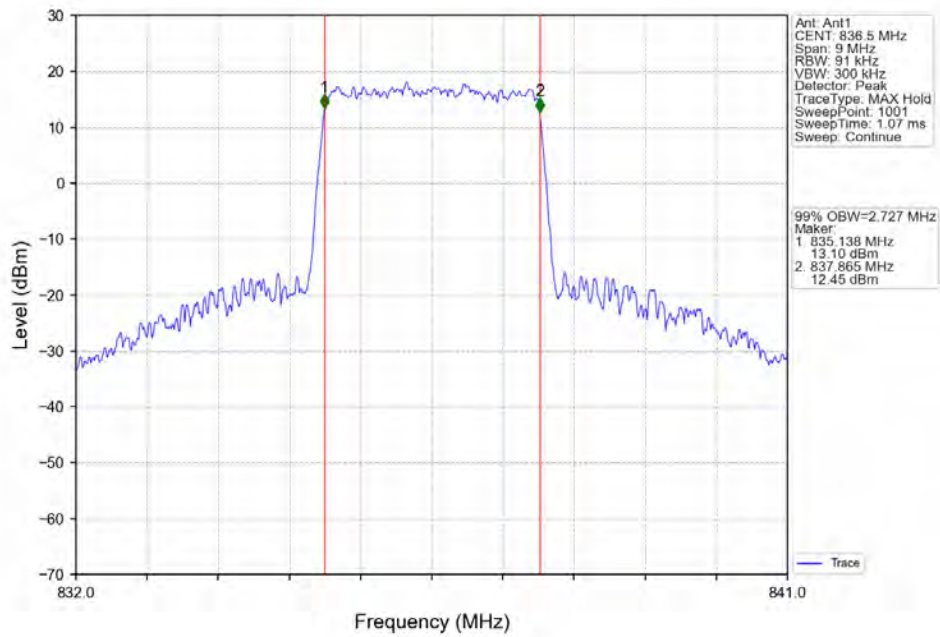
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



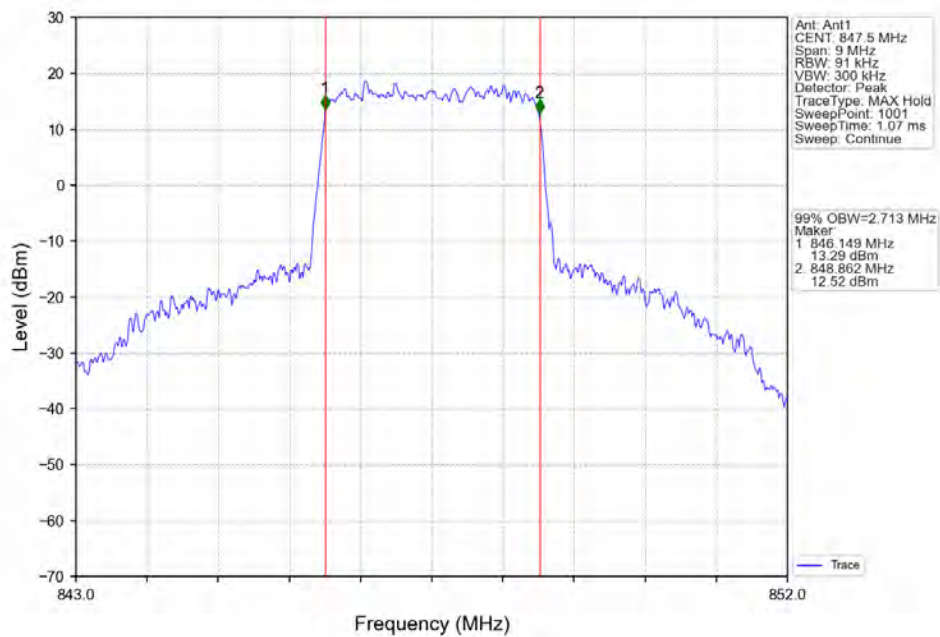
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



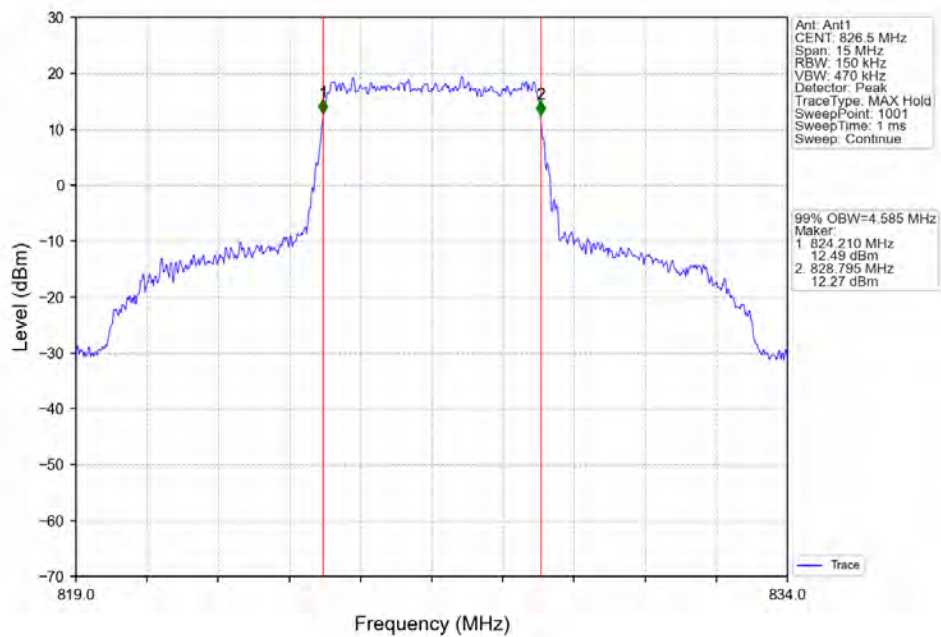
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



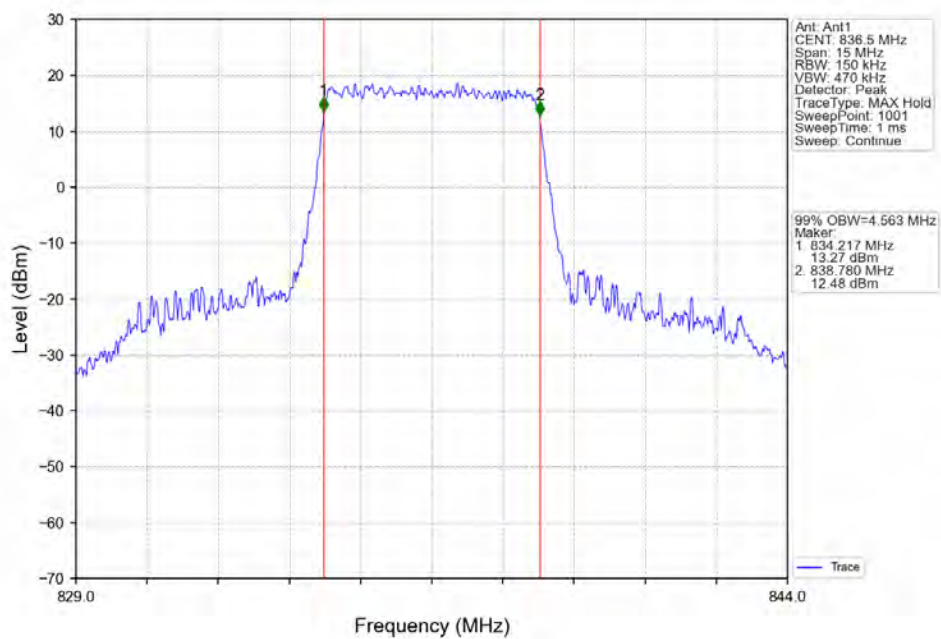
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



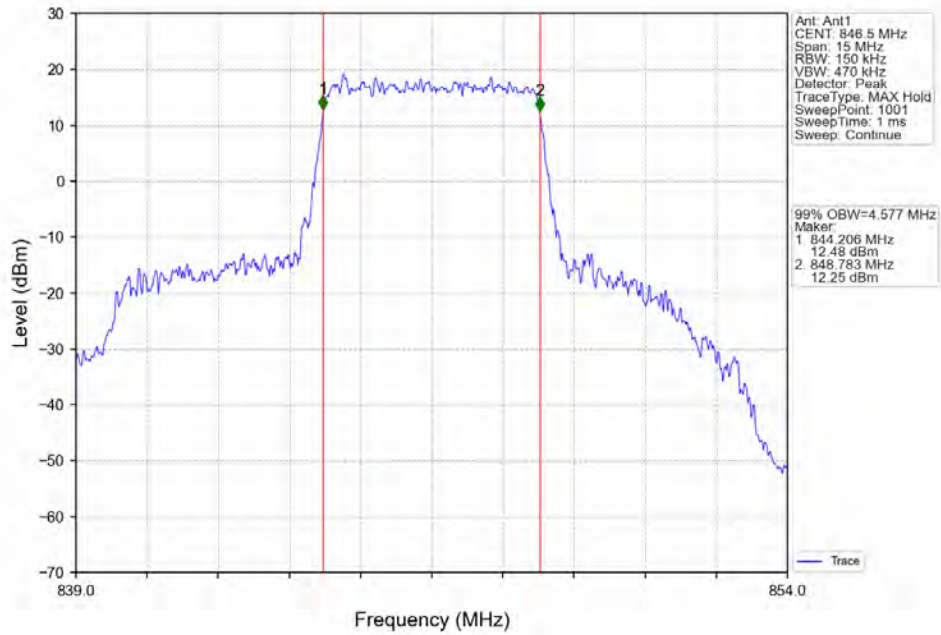
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



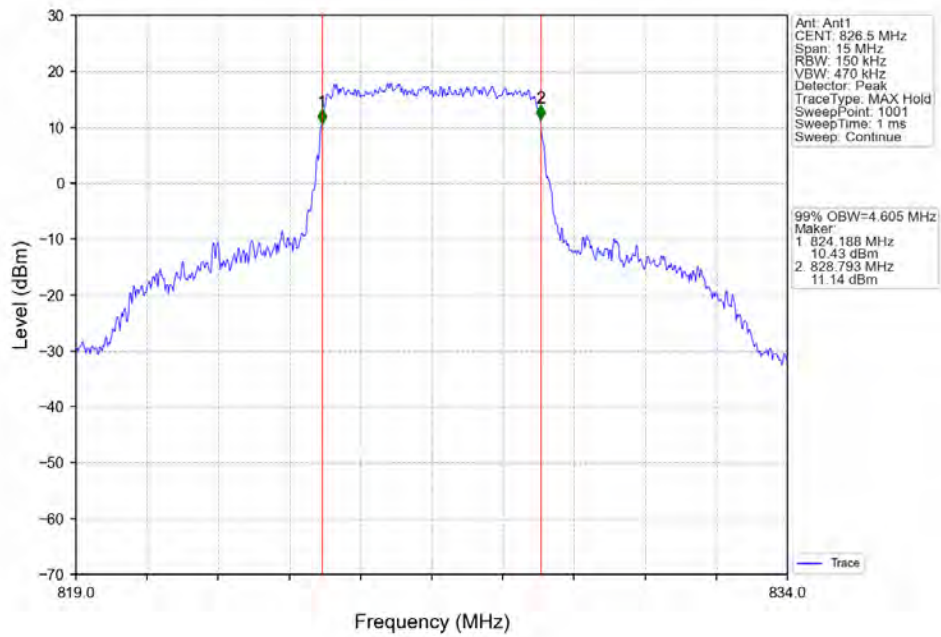
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



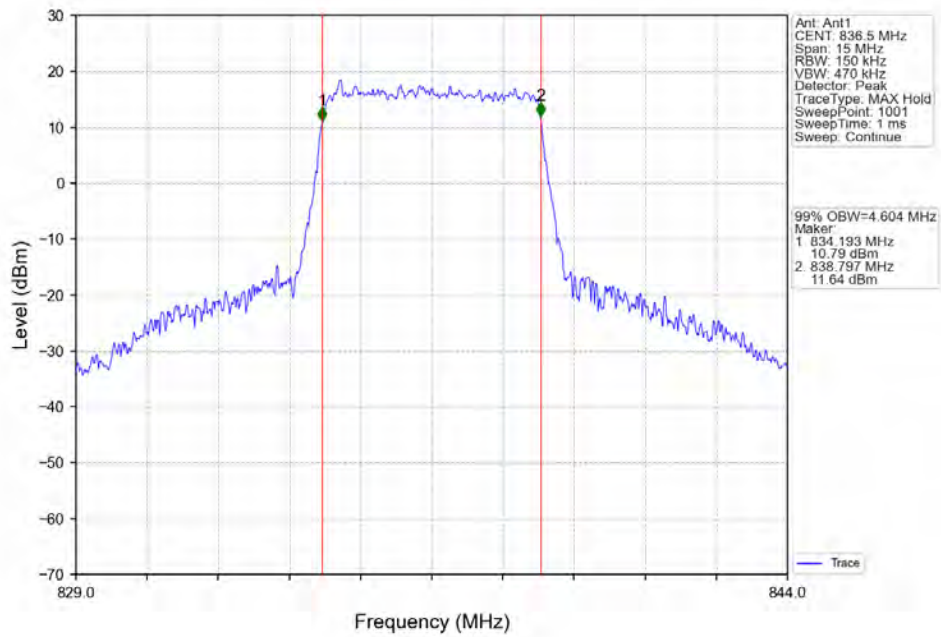
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



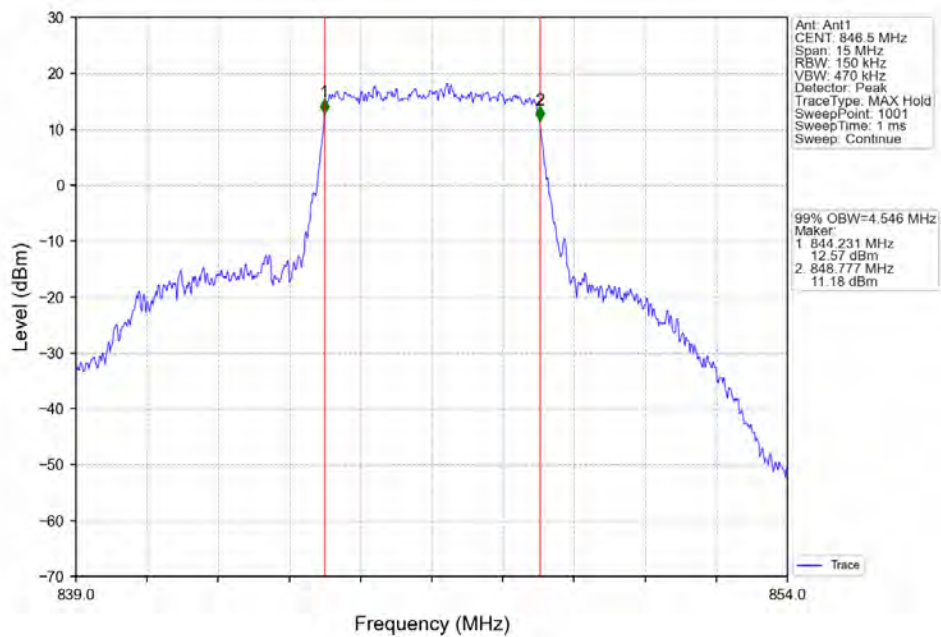
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



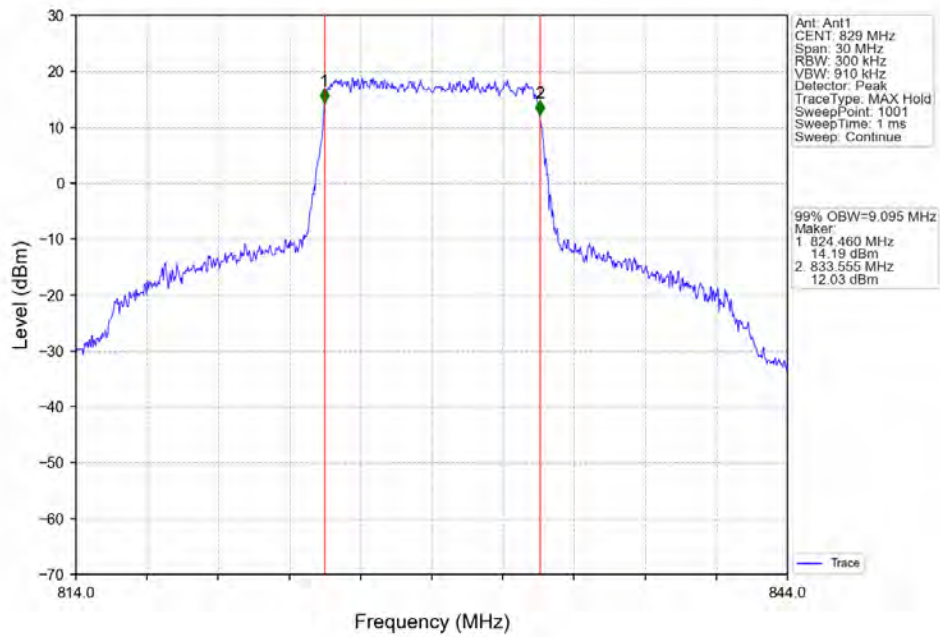
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



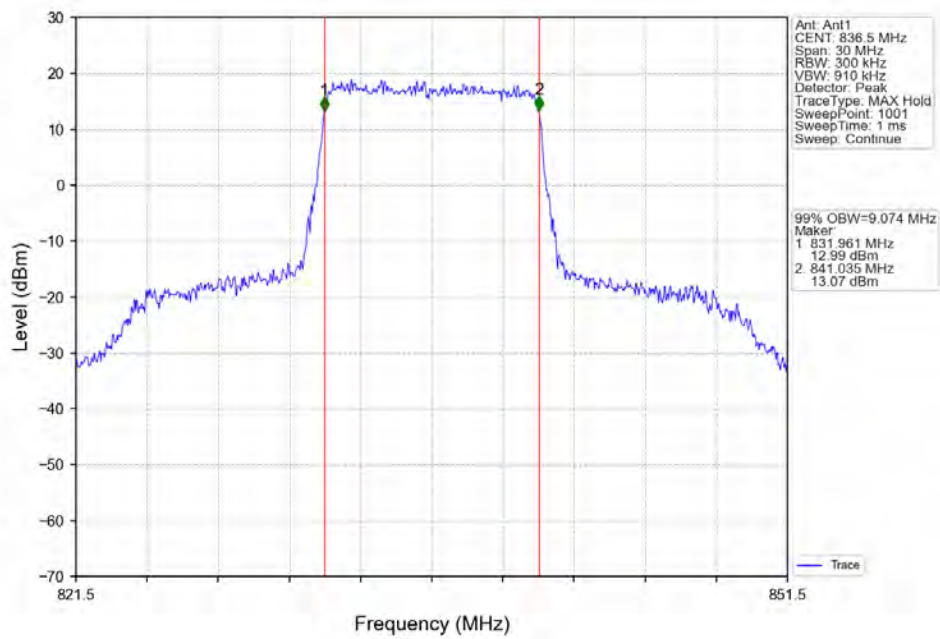
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



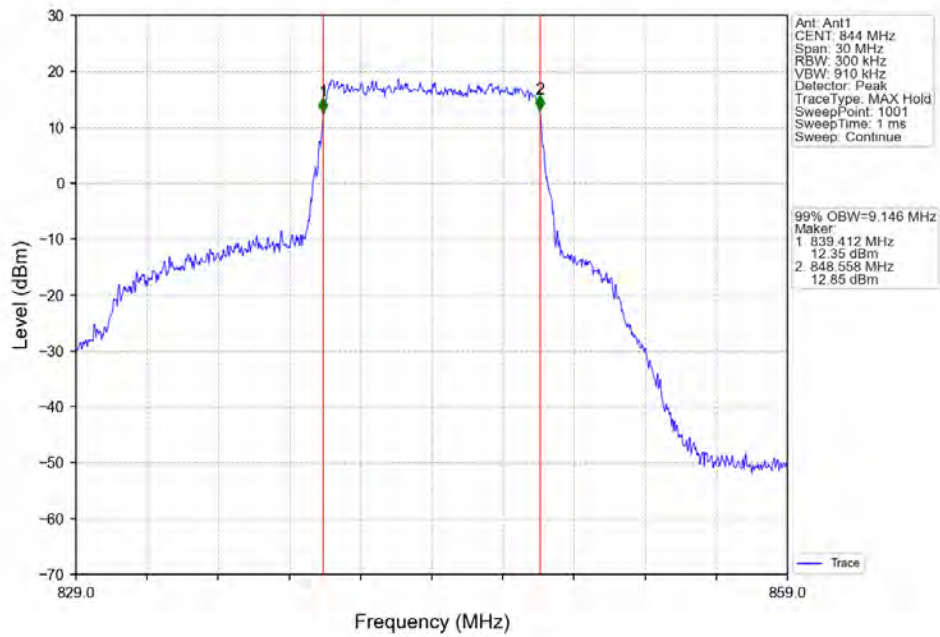
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



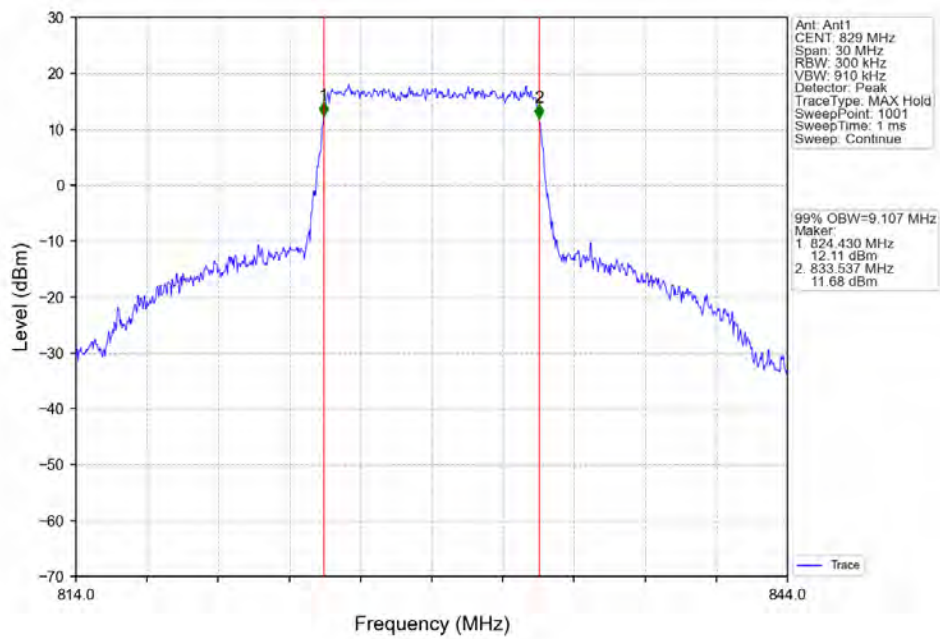
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



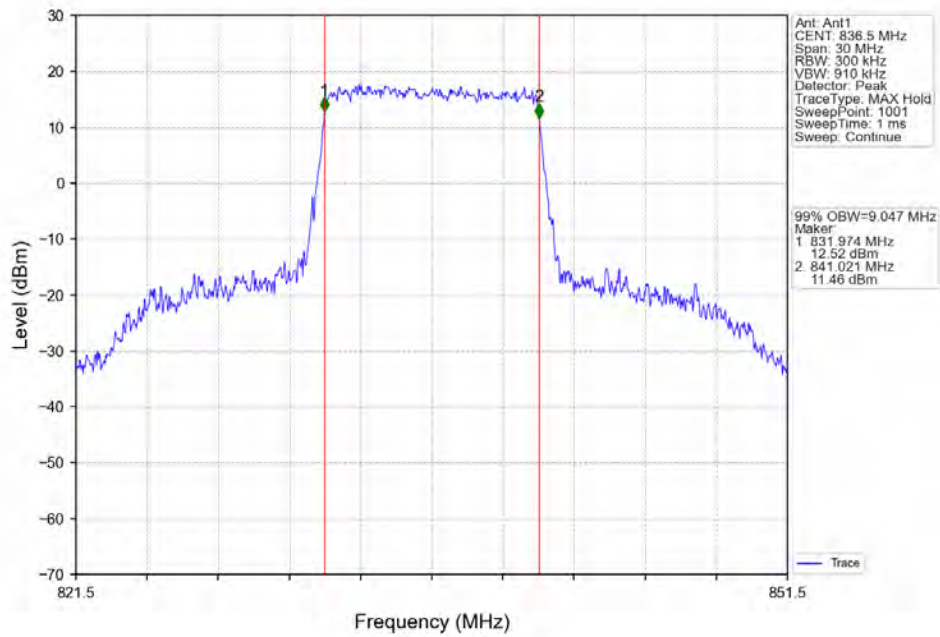
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



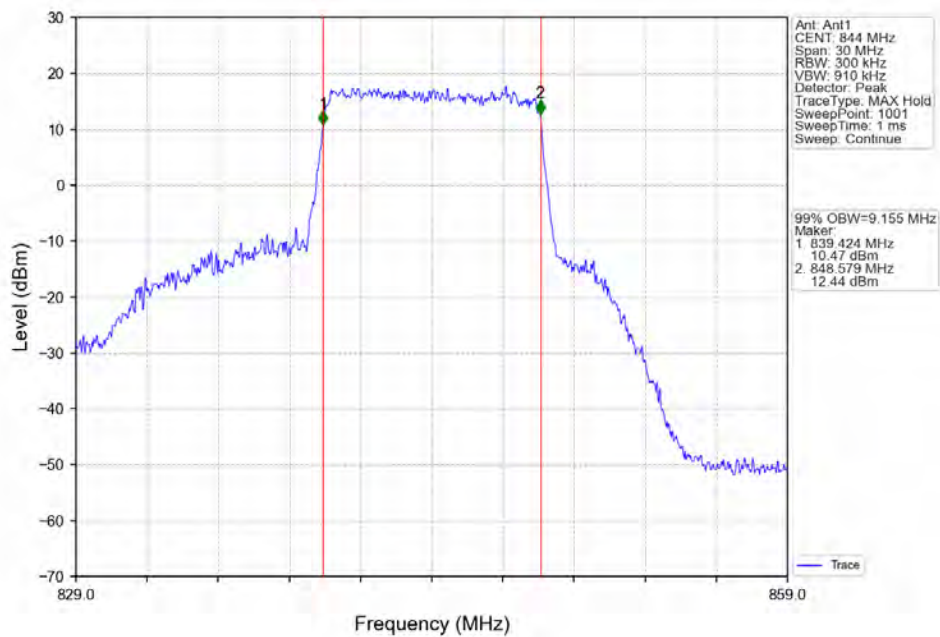
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV

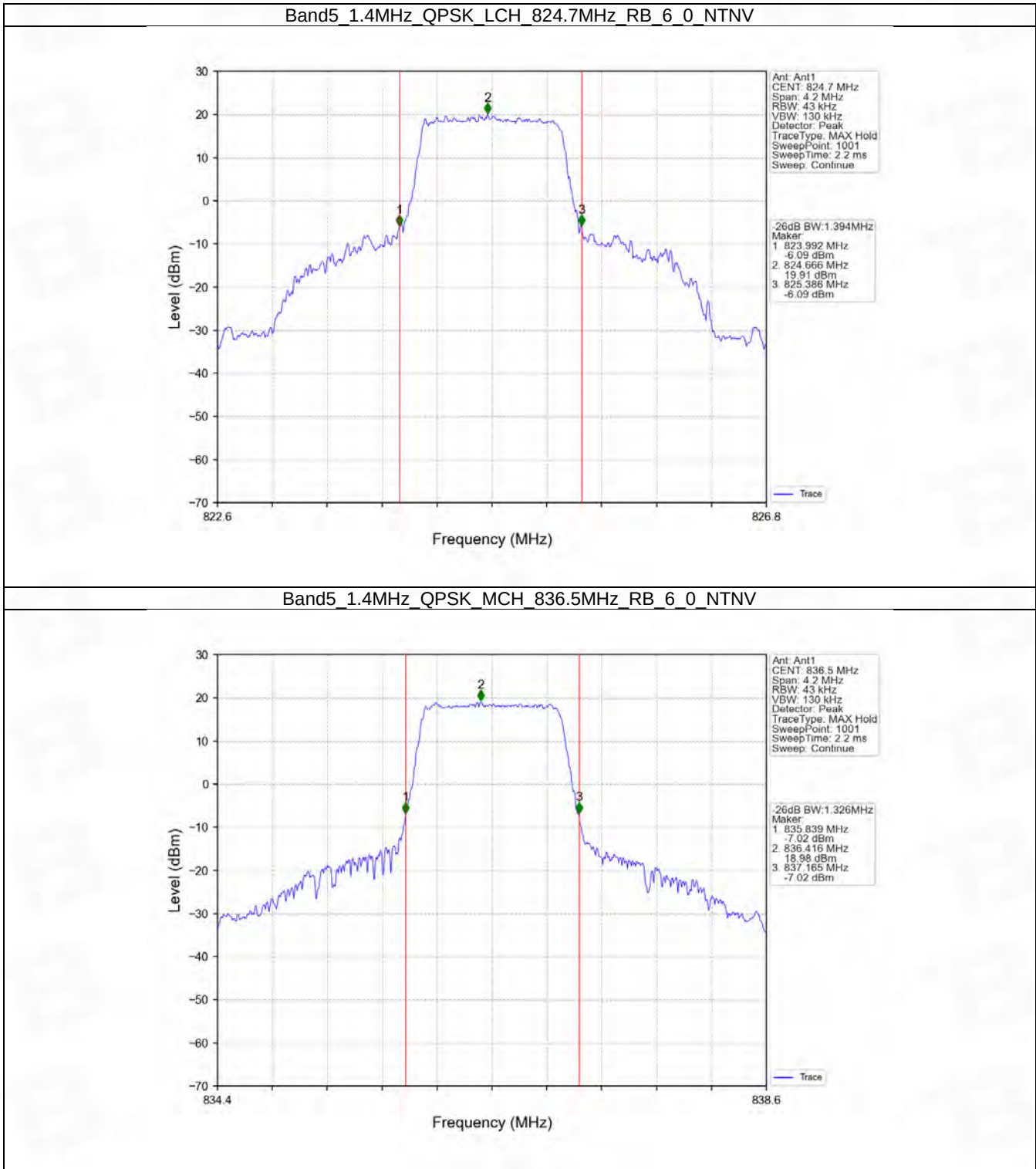


4.2 Band5_XDB

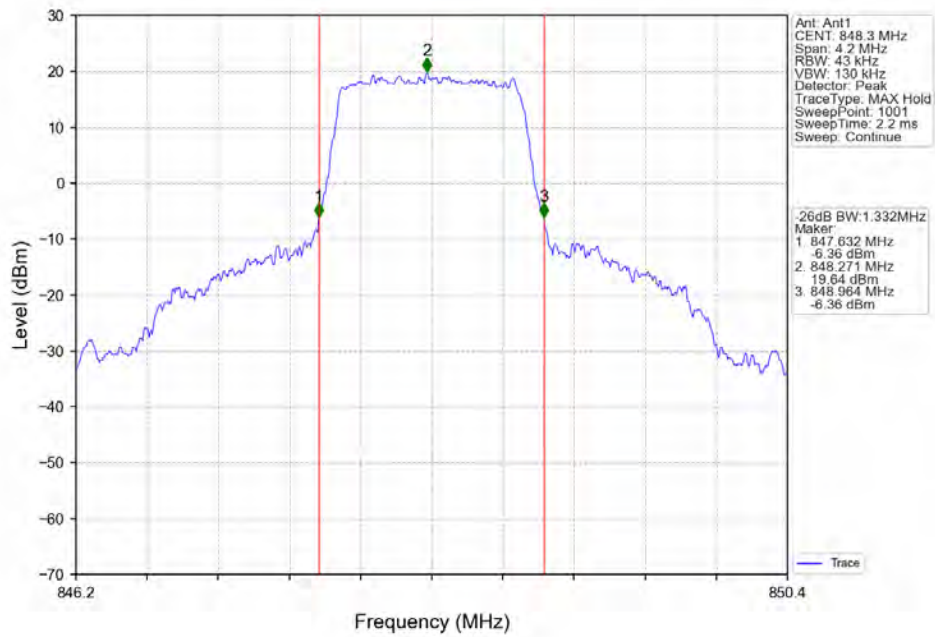
4.2.1 Test Result

Band: 5 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.394	Pass
		836.5	6	0	1.326	Pass
		848.3	6	0	1.332	Pass
	16QAM	824.7	6	0	1.309	Pass
		836.5	6	0	1.321	Pass
		848.3	6	0	1.334	Pass
3	QPSK	825.5	15	0	3.006	Pass
		836.5	15	0	3.000	Pass
		847.5	15	0	2.991	Pass
	16QAM	825.5	15	0	3.020	Pass
		836.5	15	0	2.985	Pass
		847.5	15	0	3.015	Pass
5	QPSK	826.5	25	0	5.282	Pass
		836.5	25	0	5.212	Pass
		846.5	25	0	5.285	Pass
	16QAM	826.5	25	0	5.388	Pass
		836.5	25	0	5.254	Pass
		846.5	25	0	5.220	Pass
10	QPSK	829	50	0	10.327	Pass
		836.5	50	0	10.387	Pass
		844	50	0	10.377	Pass
	16QAM	829	50	0	10.234	Pass
		836.5	50	0	10.277	Pass
		844	50	0	10.843	Pass

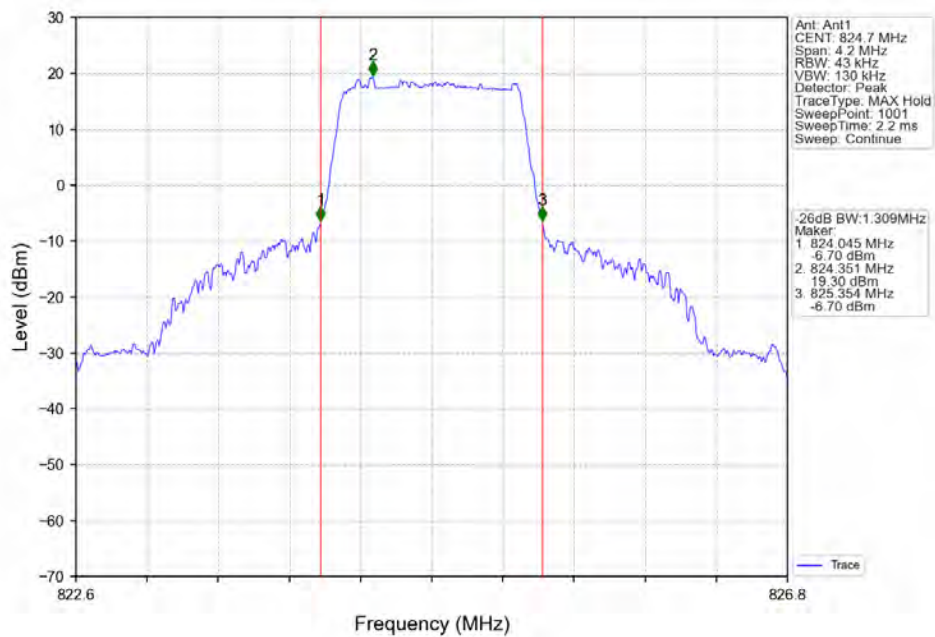
4.2.2 Test Graph



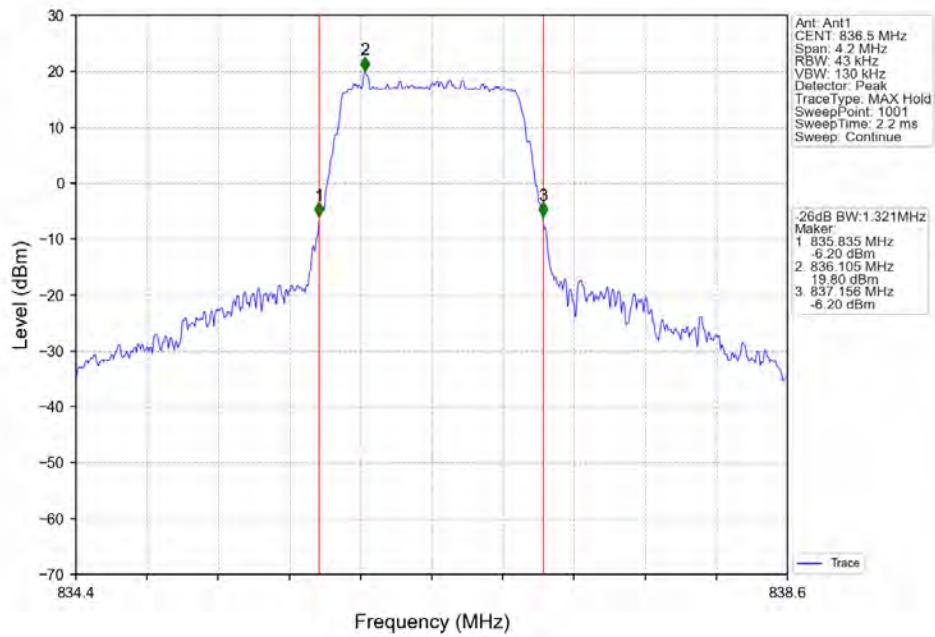
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



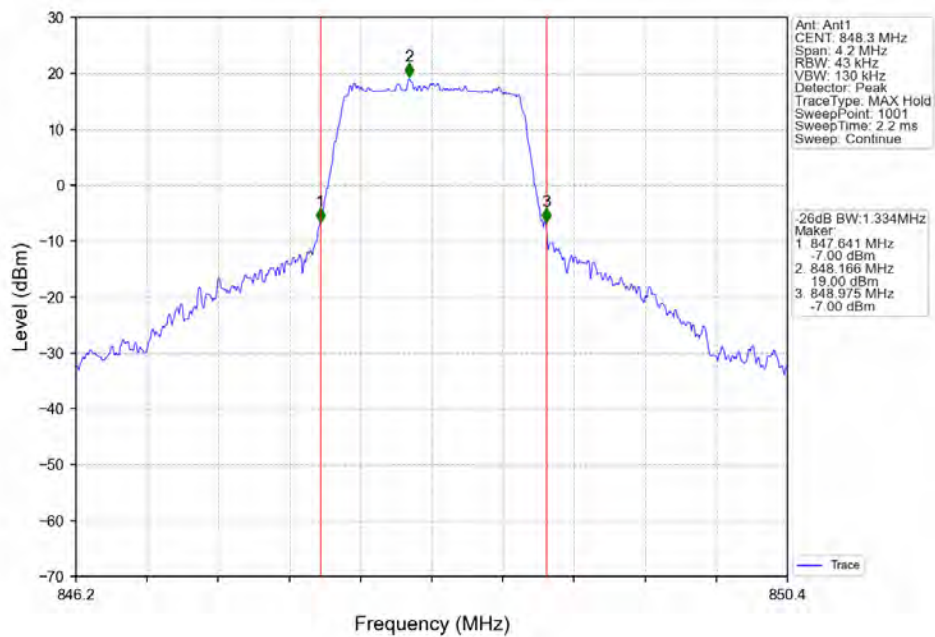
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



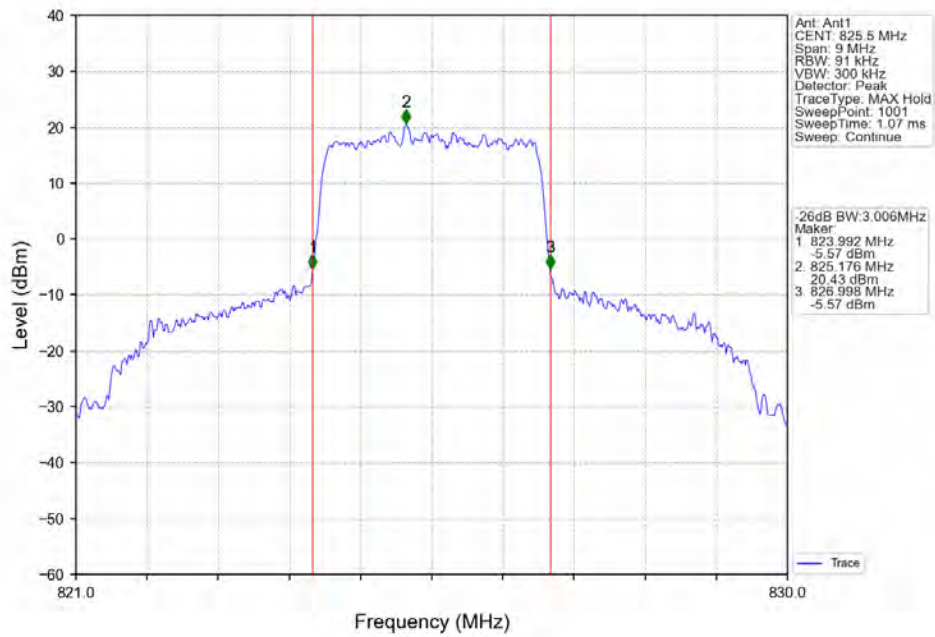
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



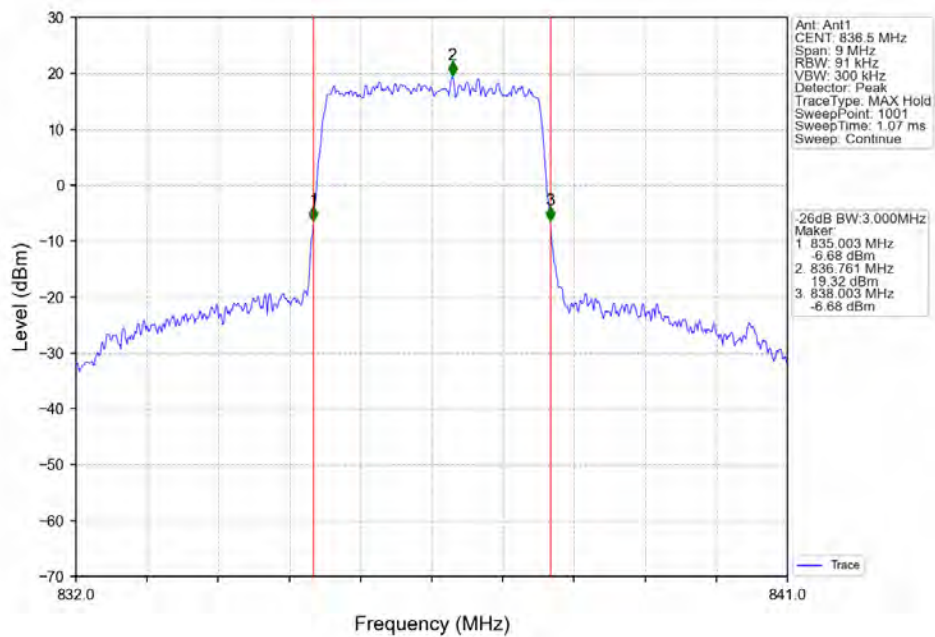
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



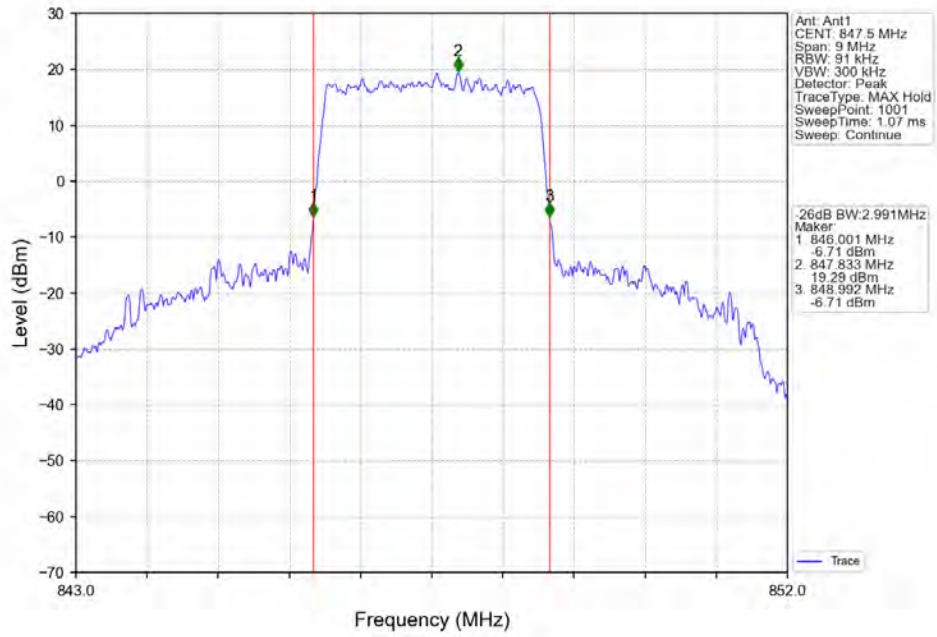
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



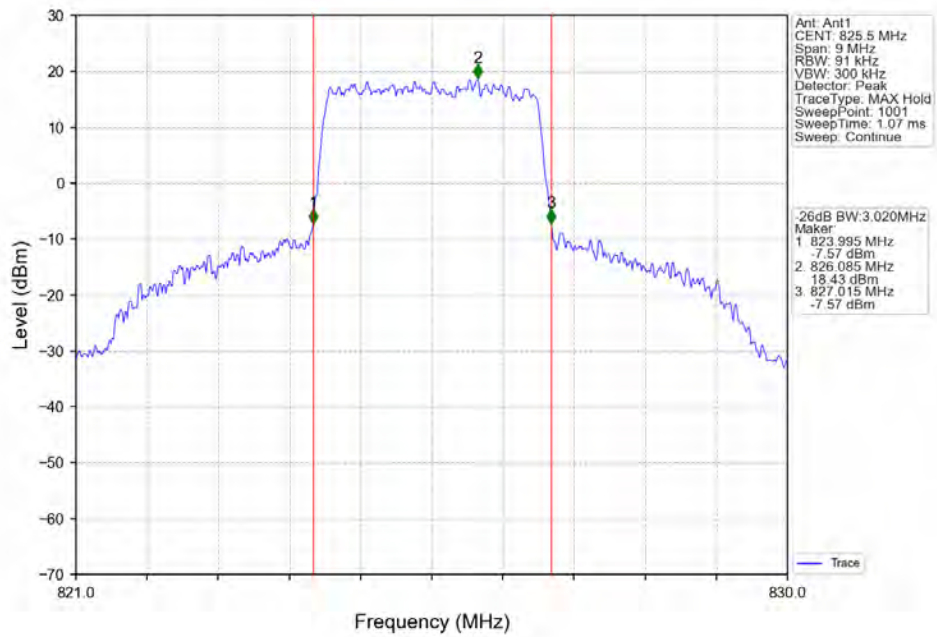
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



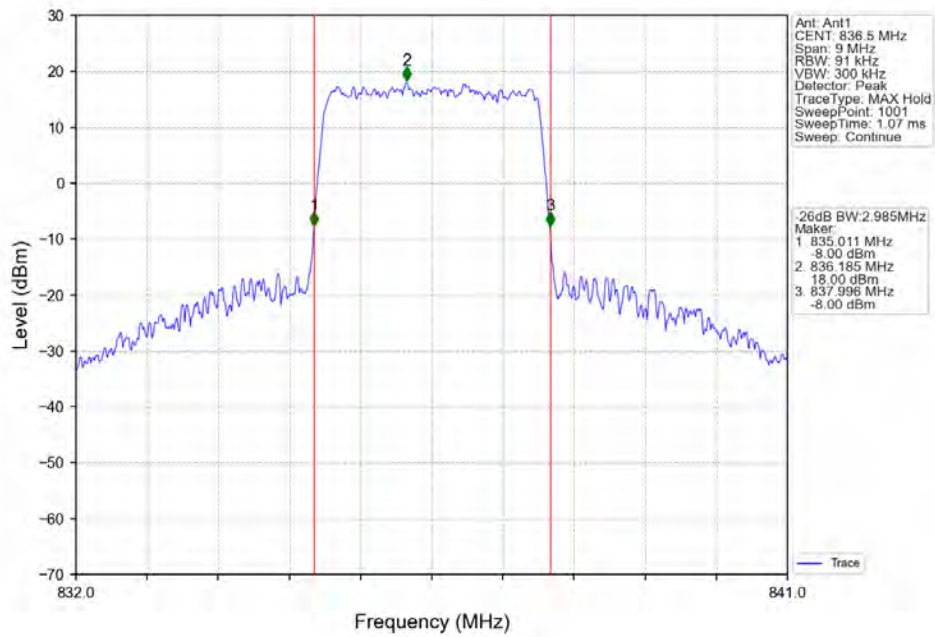
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



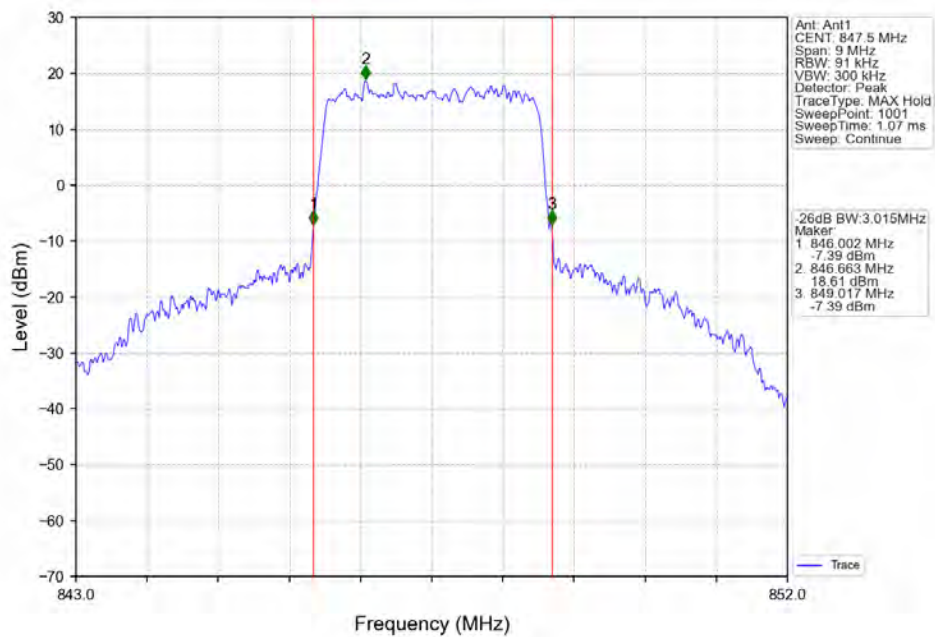
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



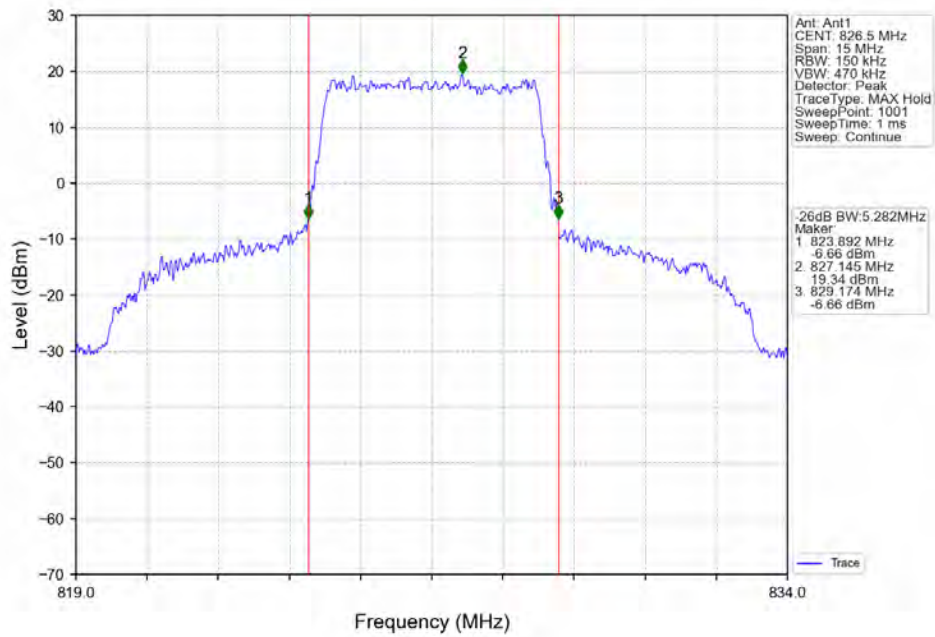
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



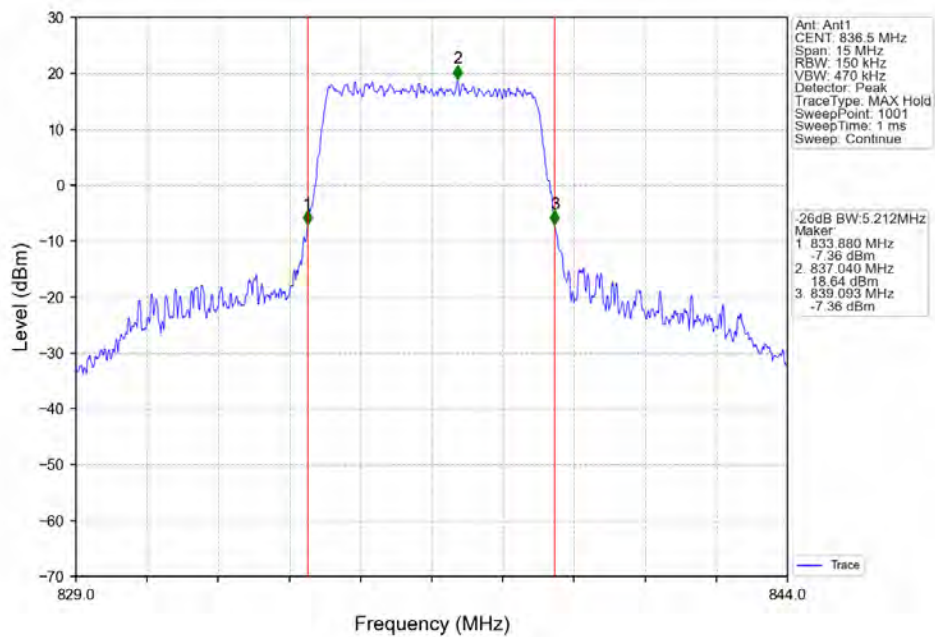
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



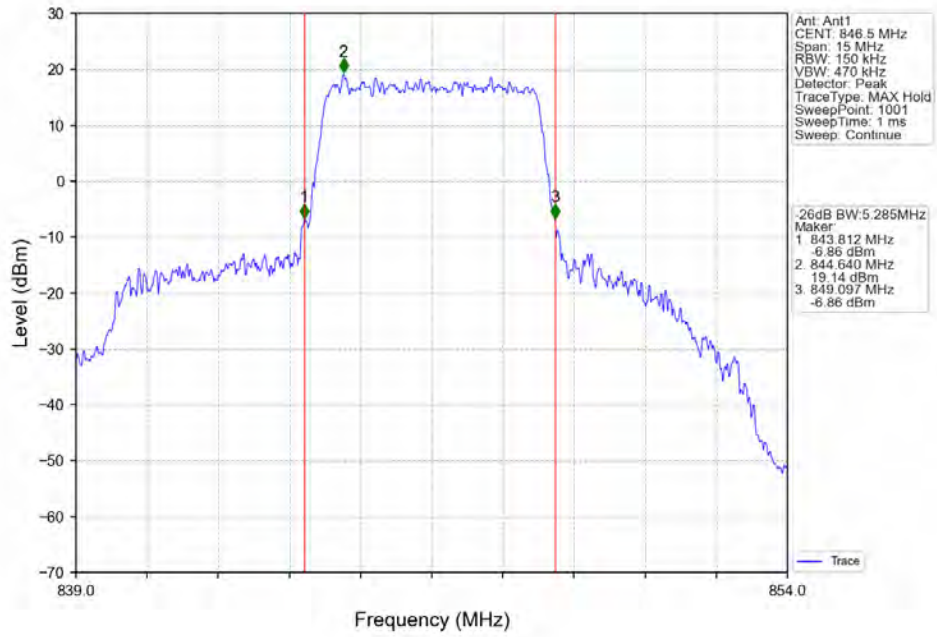
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



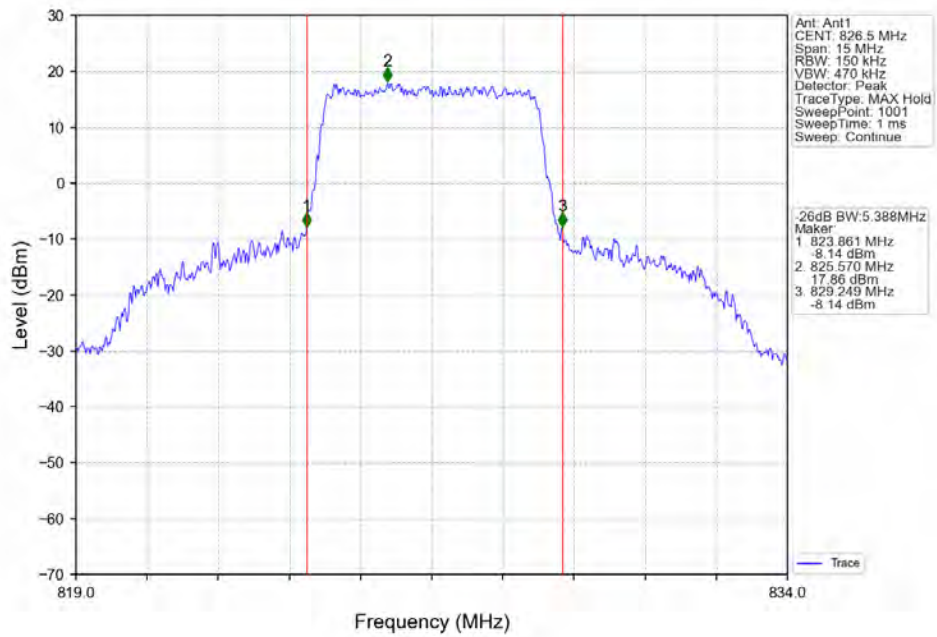
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



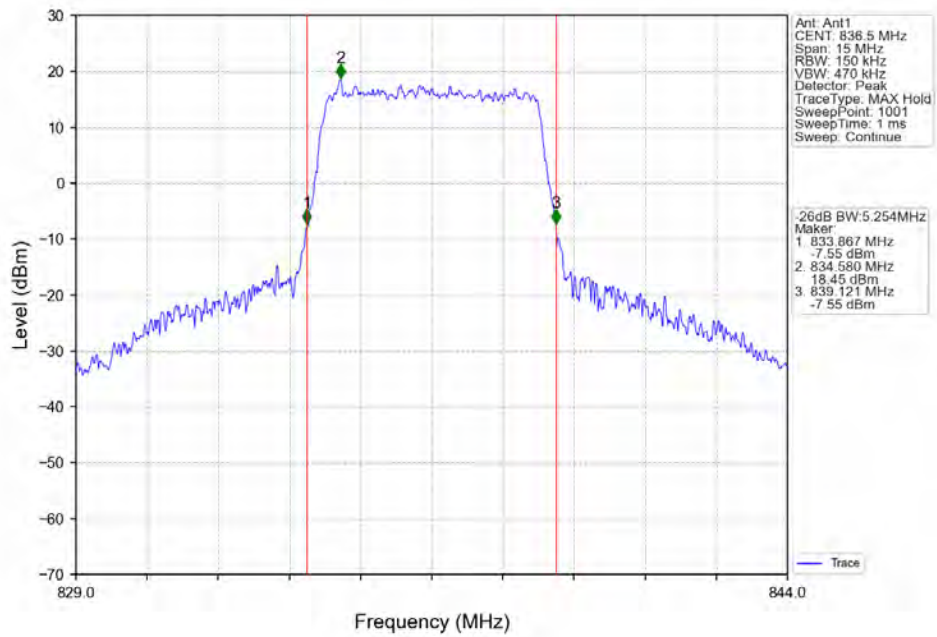
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



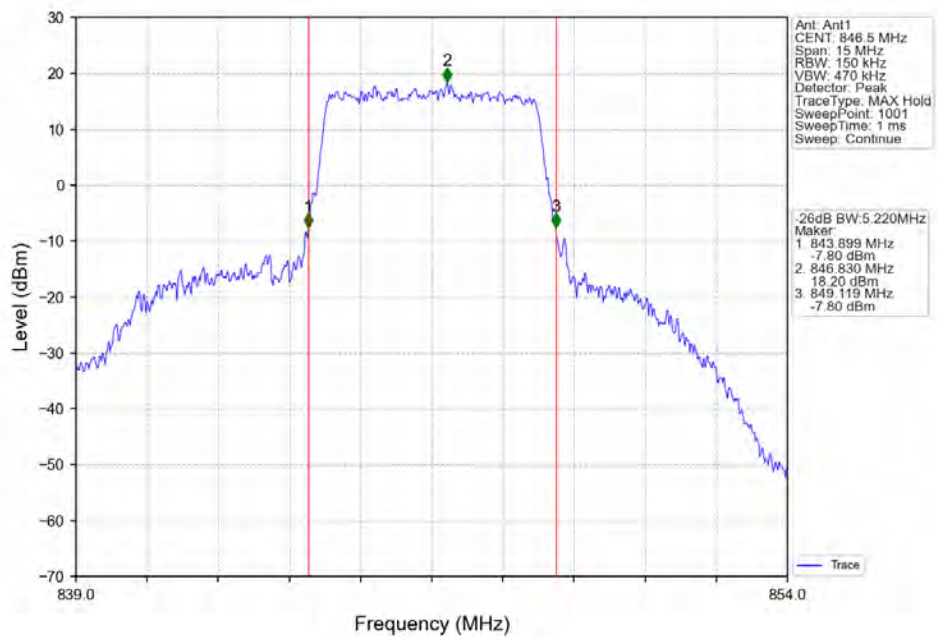
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



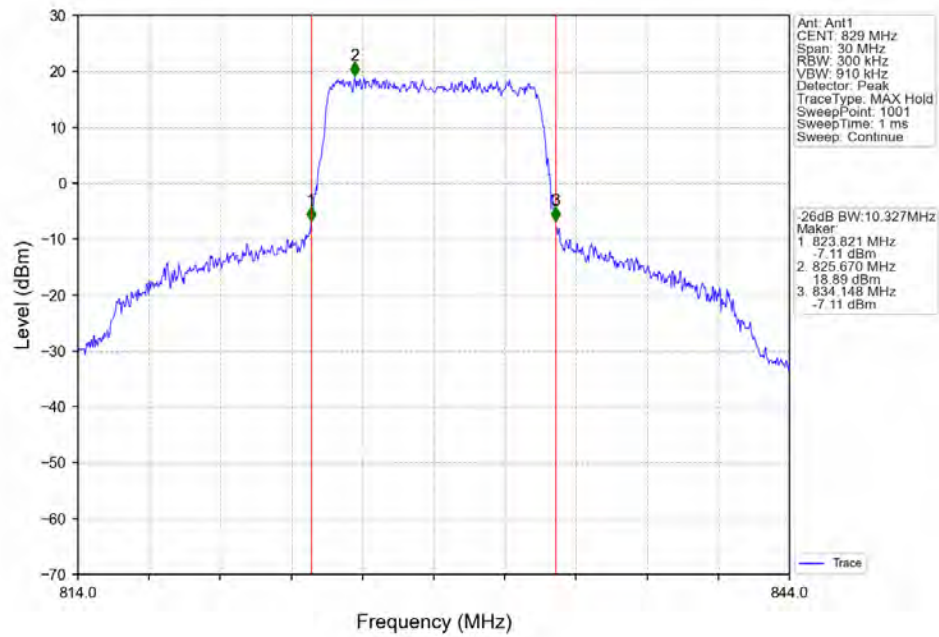
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



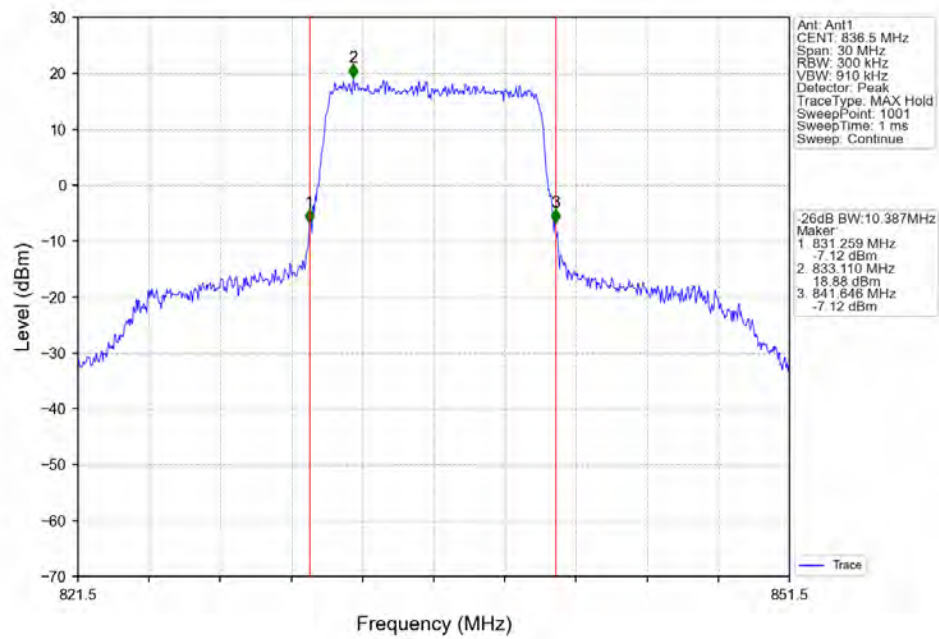
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



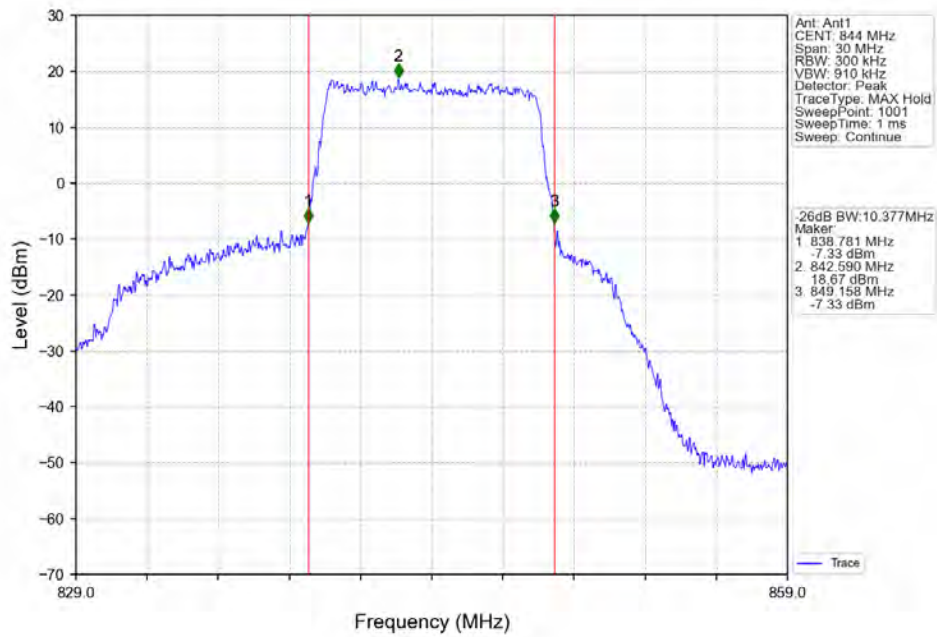
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



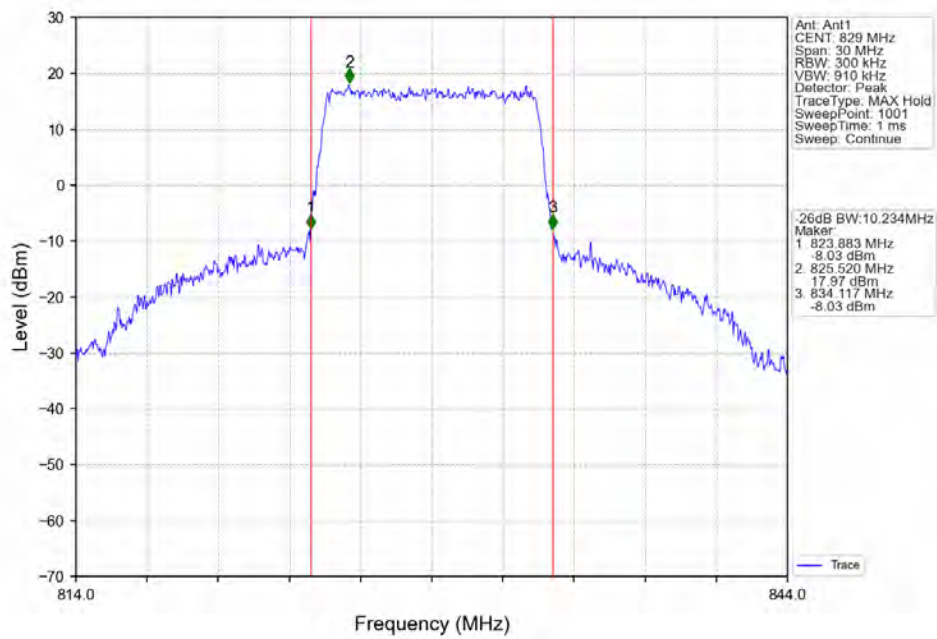
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



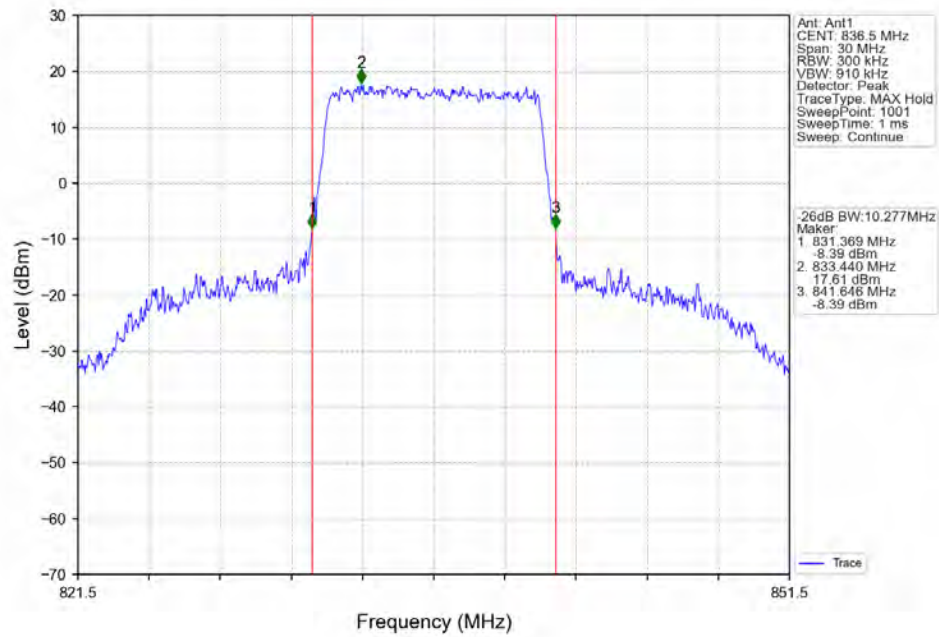
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



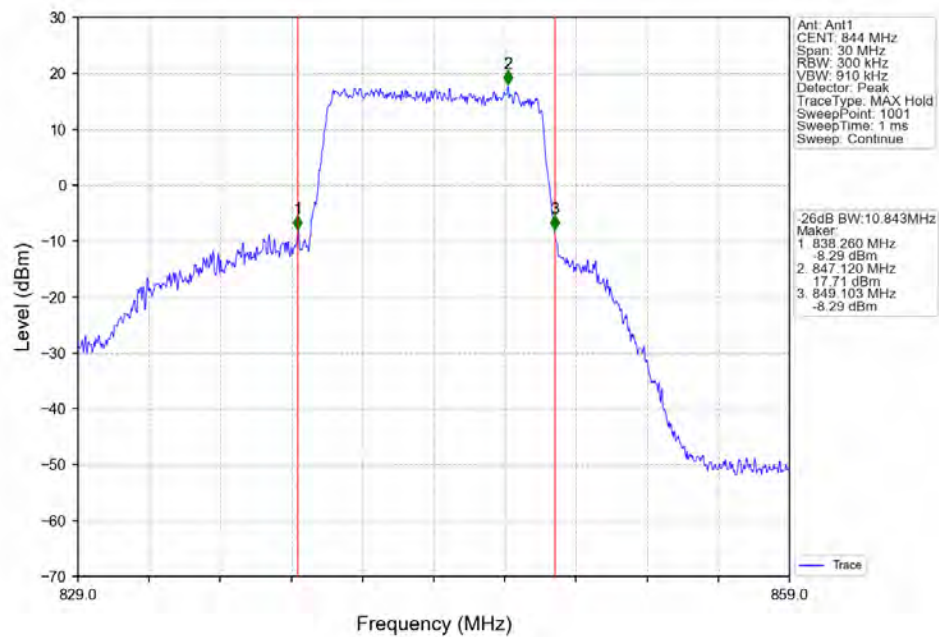
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



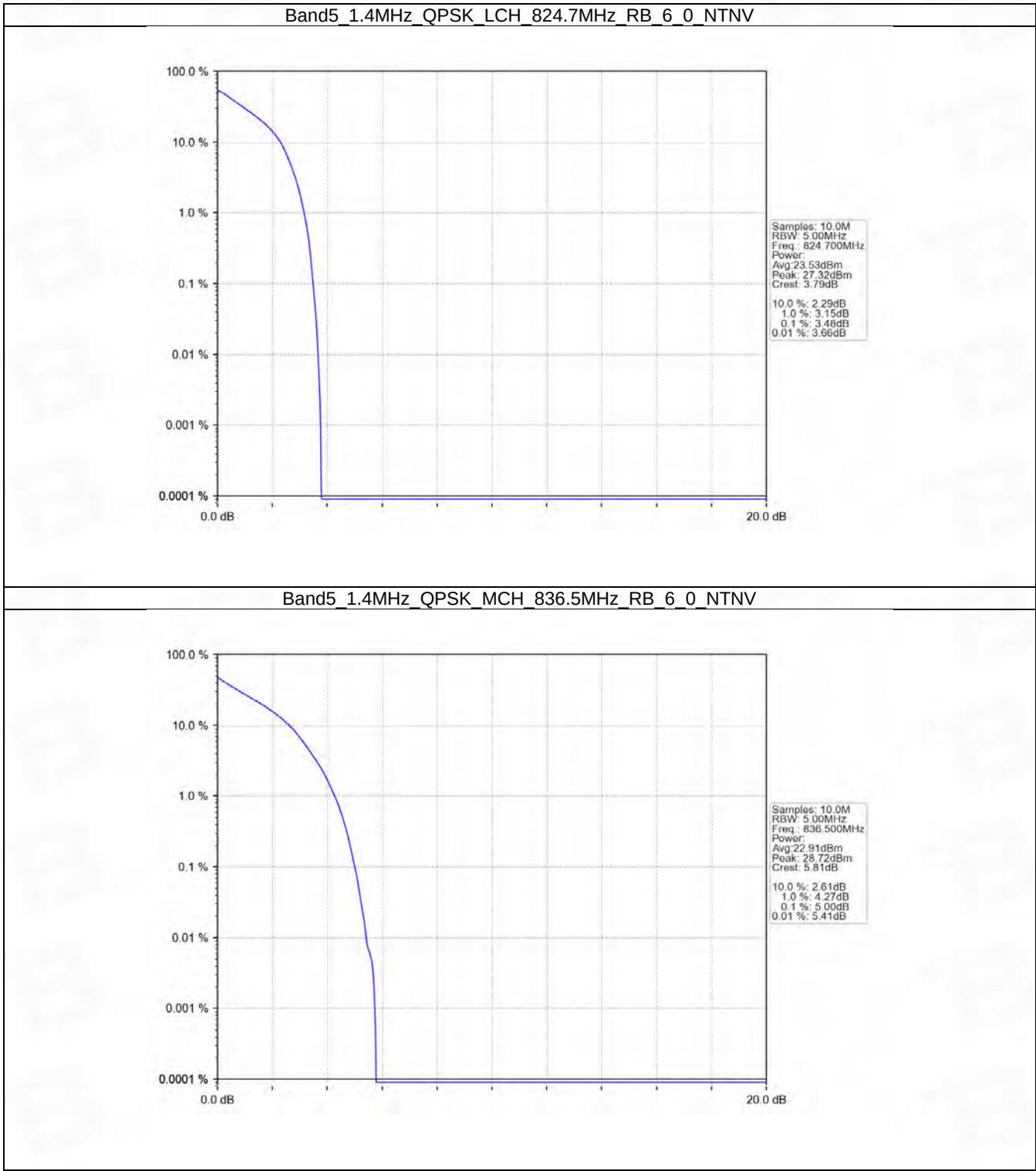
5. Peak-Average Ratio

5.1 B5_1.4MHz

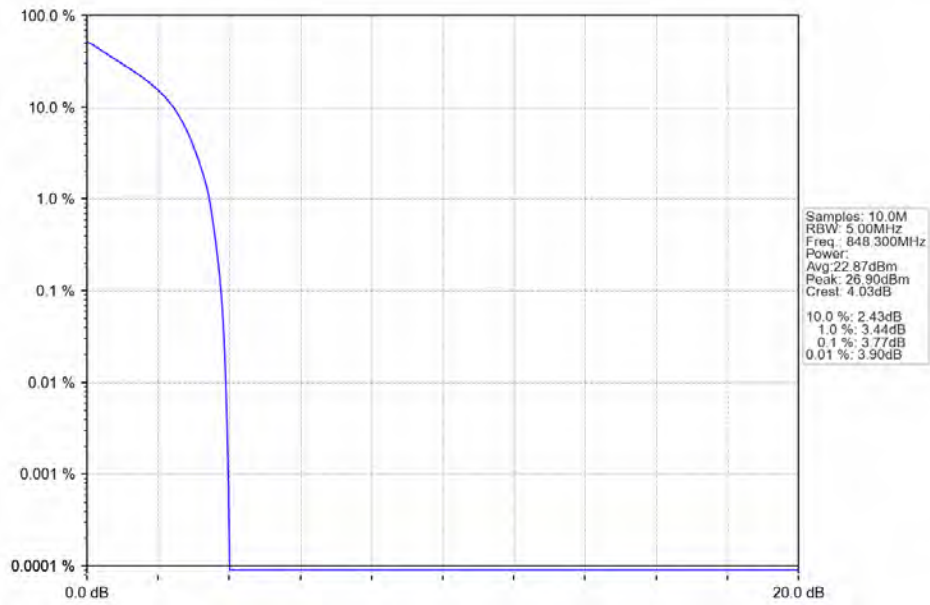
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	3.48	<=13	Pass
	836.5	6	0	5.00	<=13	Pass
	848.3	6	0	3.77	<=13	Pass
16QAM	824.7	6	0	4.40	<=13	Pass
	836.5	6	0	5.79	<=13	Pass
	848.3	6	0	4.81	<=13	Pass

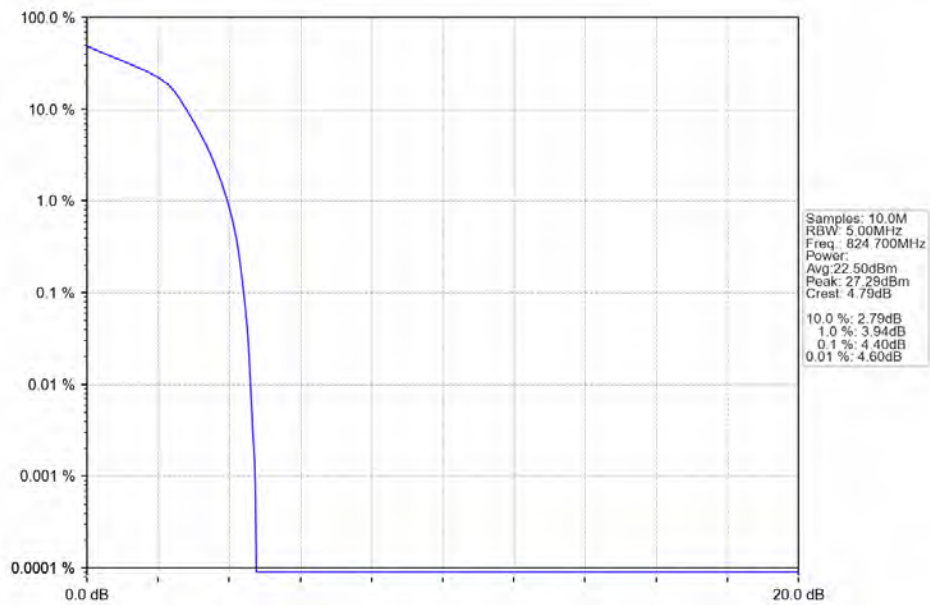
5.1.2 Test Graph



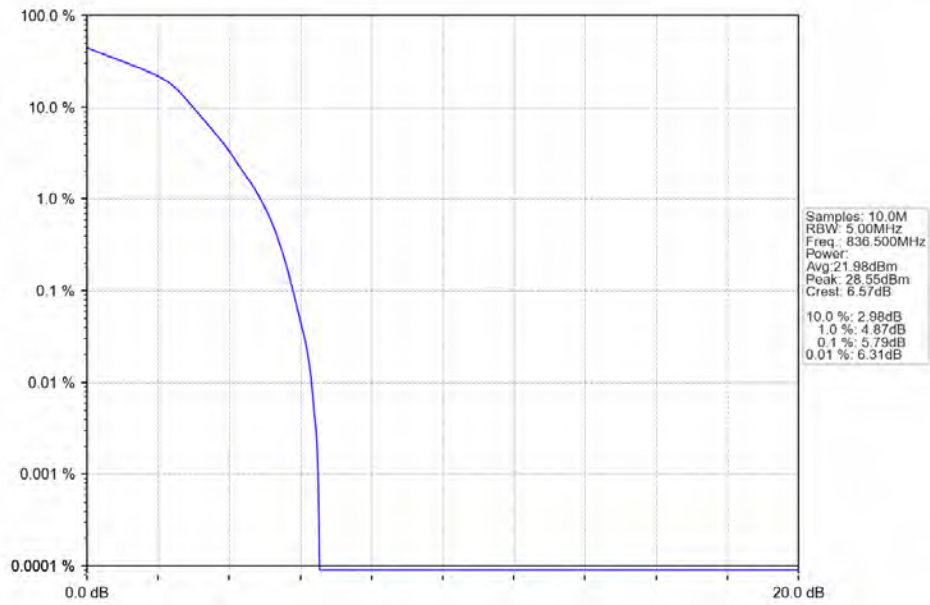
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



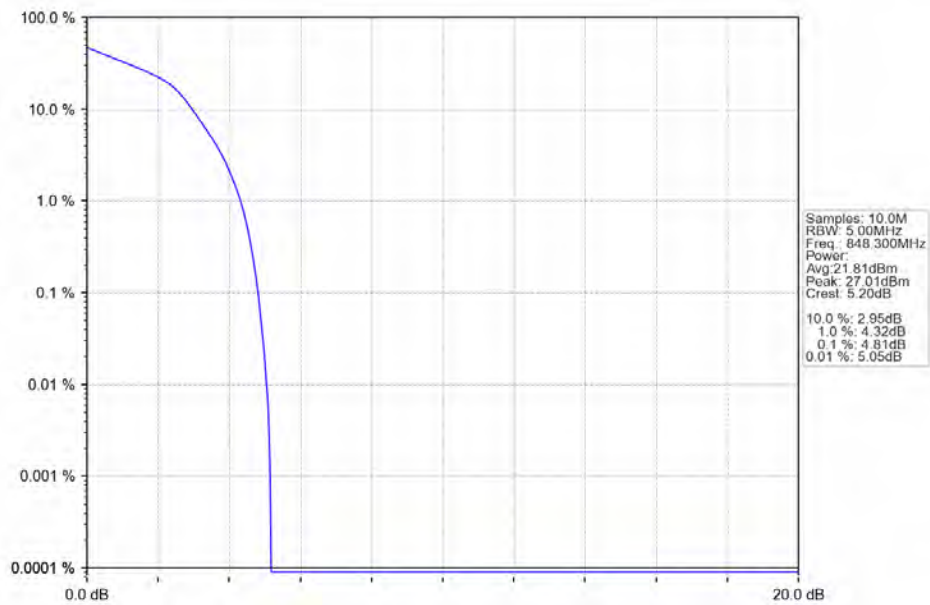
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6.0 NTNV



Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

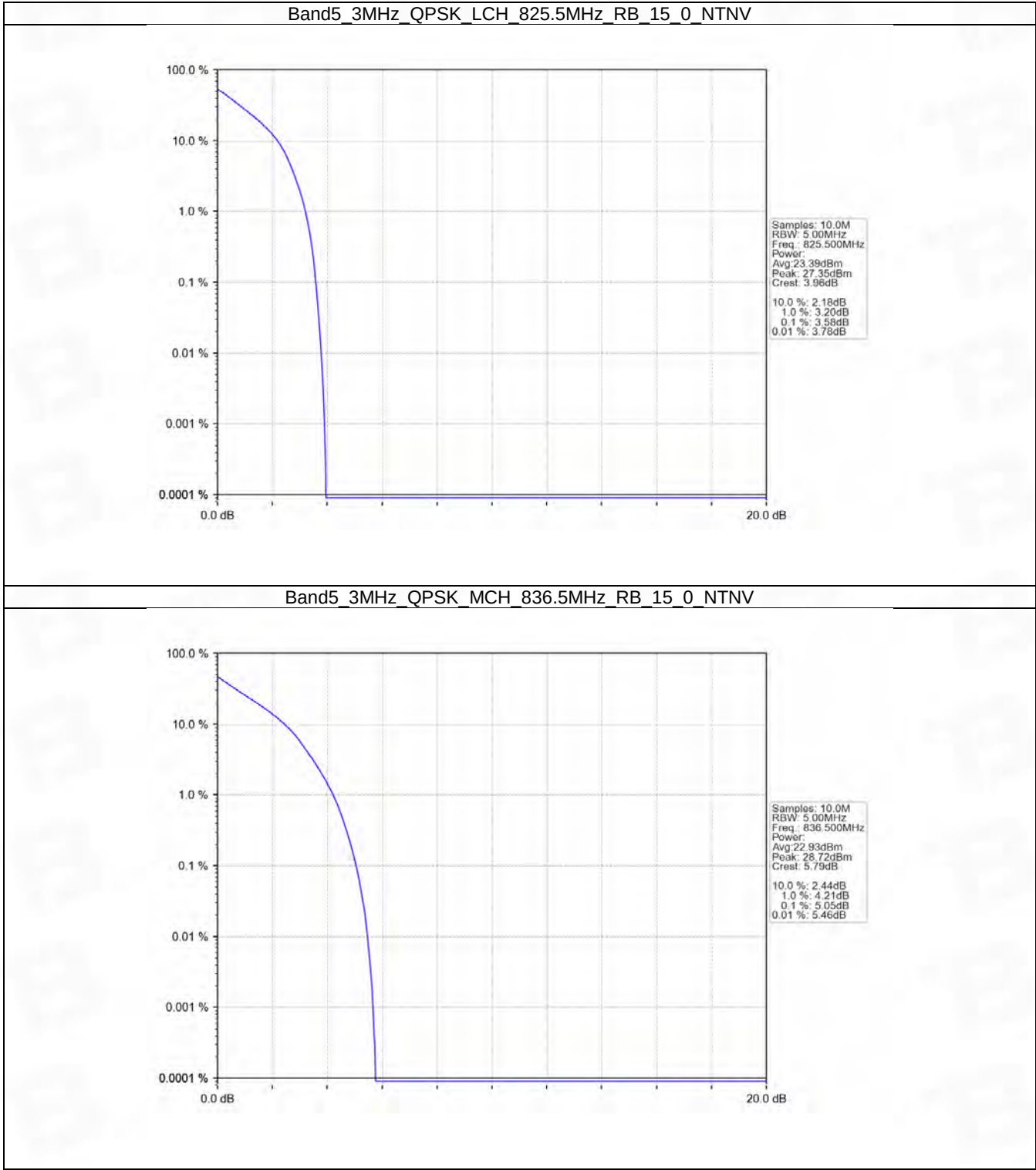


5.2 B5_3MHz

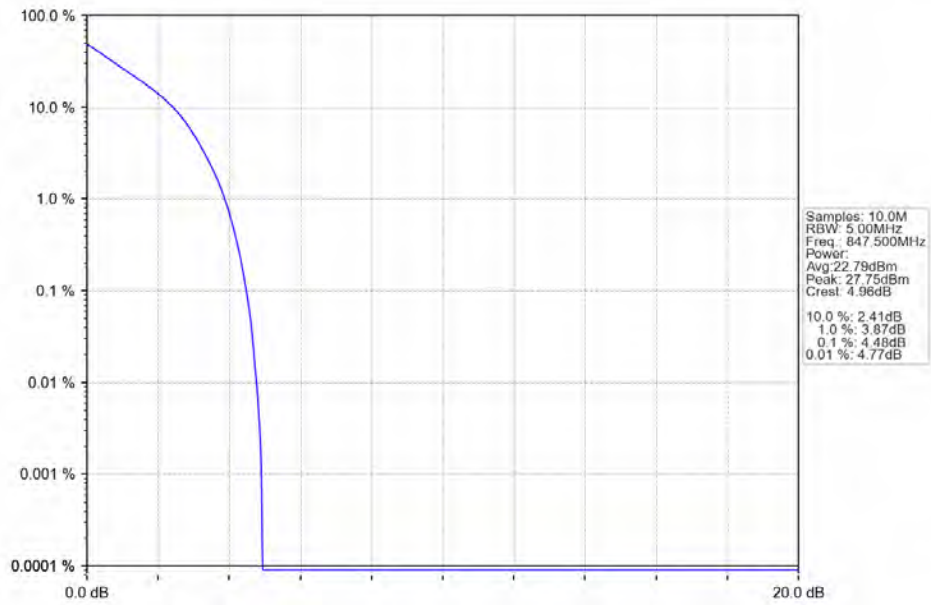
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	3.58	<=13	Pass
	836.5	15	0	5.05	<=13	Pass
	847.5	15	0	4.48	<=13	Pass
16QAM	825.5	15	0	4.44	<=13	Pass
	836.5	15	0	5.88	<=13	Pass
	847.5	15	0	5.38	<=13	Pass

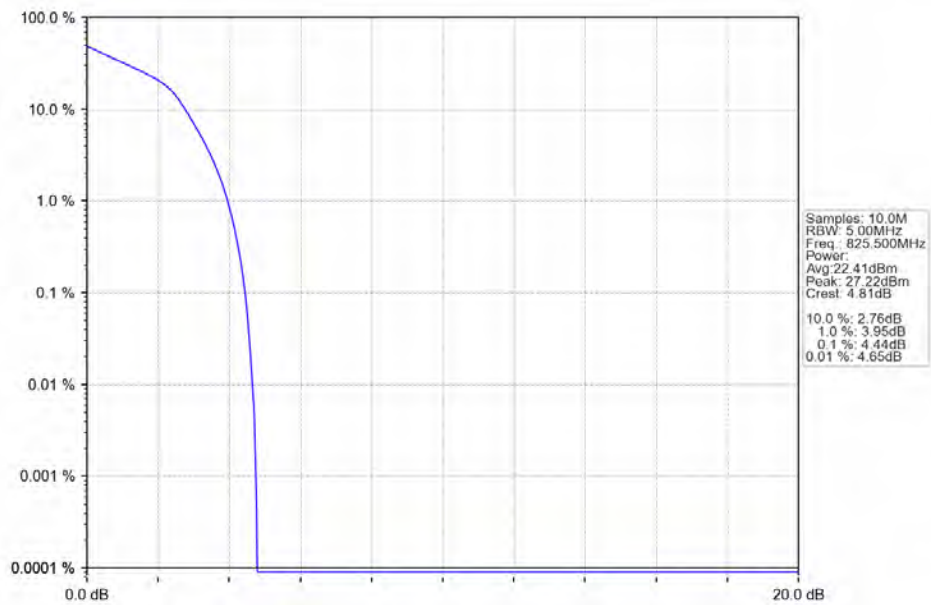
5.2.2 Test Graph



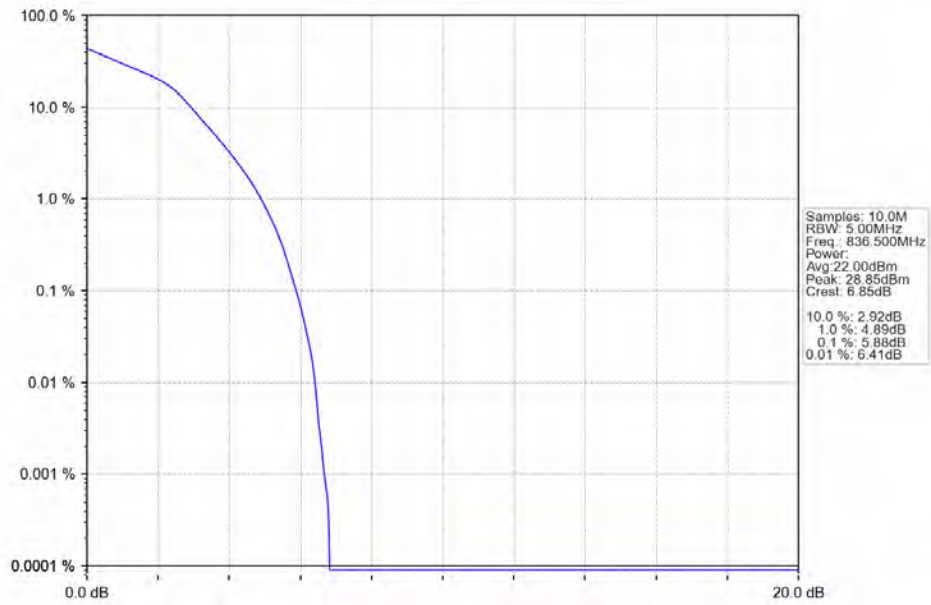
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



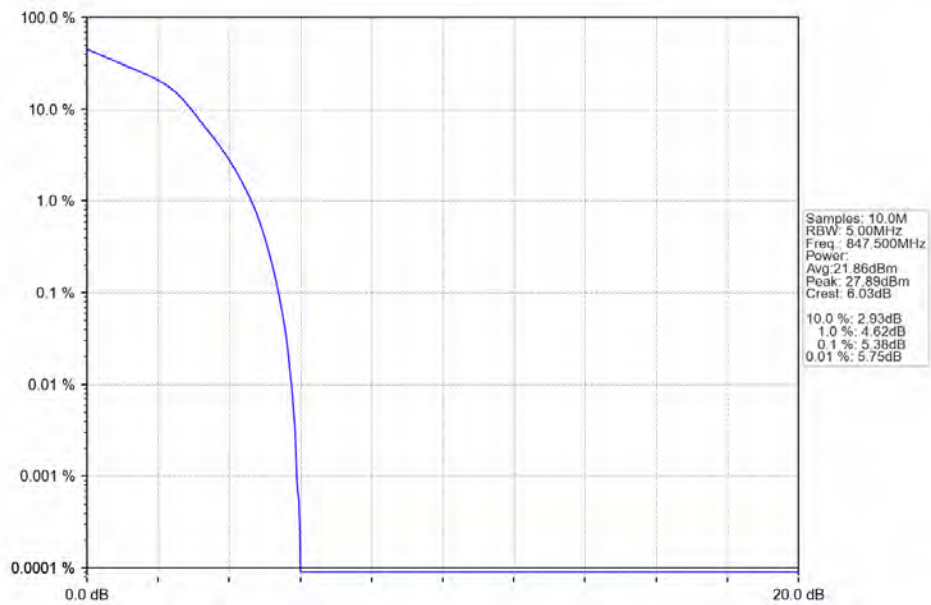
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV

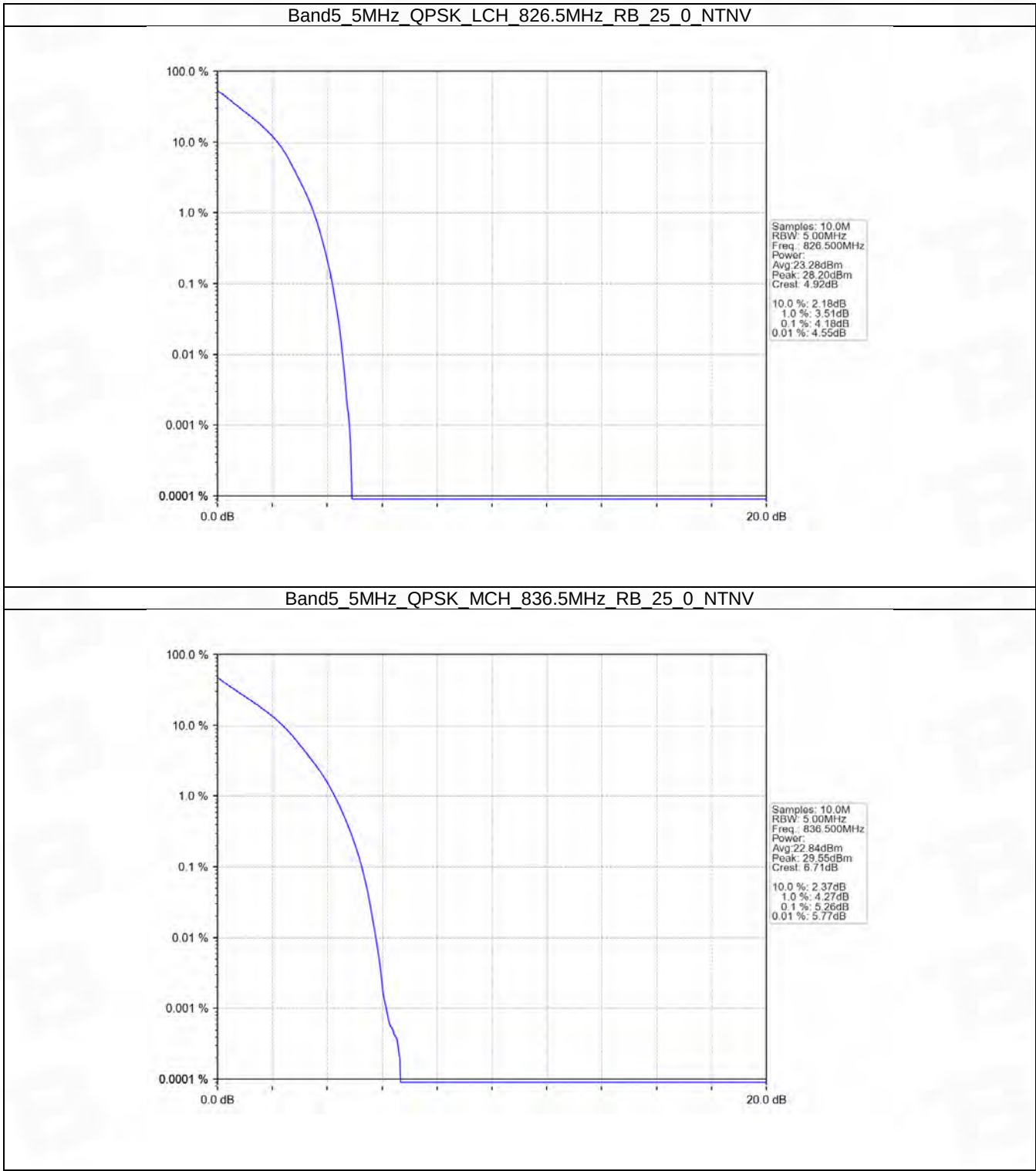


5.3 B5_5MHz

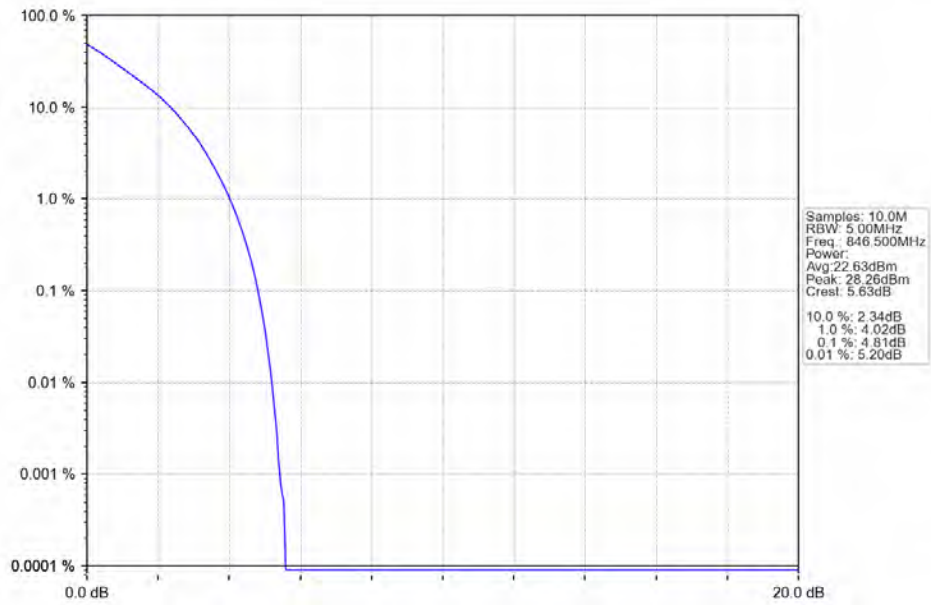
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.18	<=13	Pass
	836.5	25	0	5.26	<=13	Pass
	846.5	25	0	4.81	<=13	Pass
16QAM	826.5	25	0	4.92	<=13	Pass
	836.5	25	0	5.99	<=13	Pass
	846.5	25	0	5.59	<=13	Pass

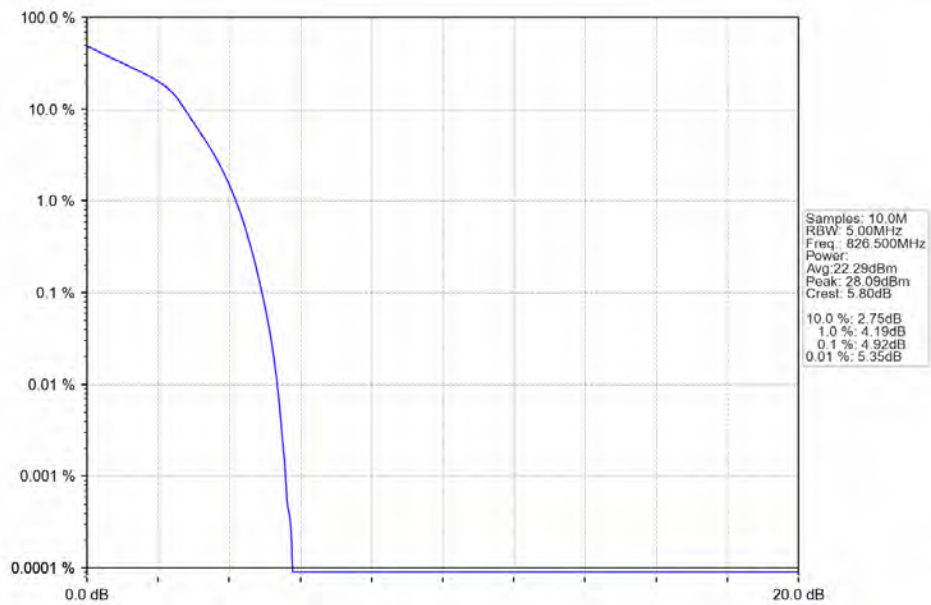
5.3.2 Test Graph



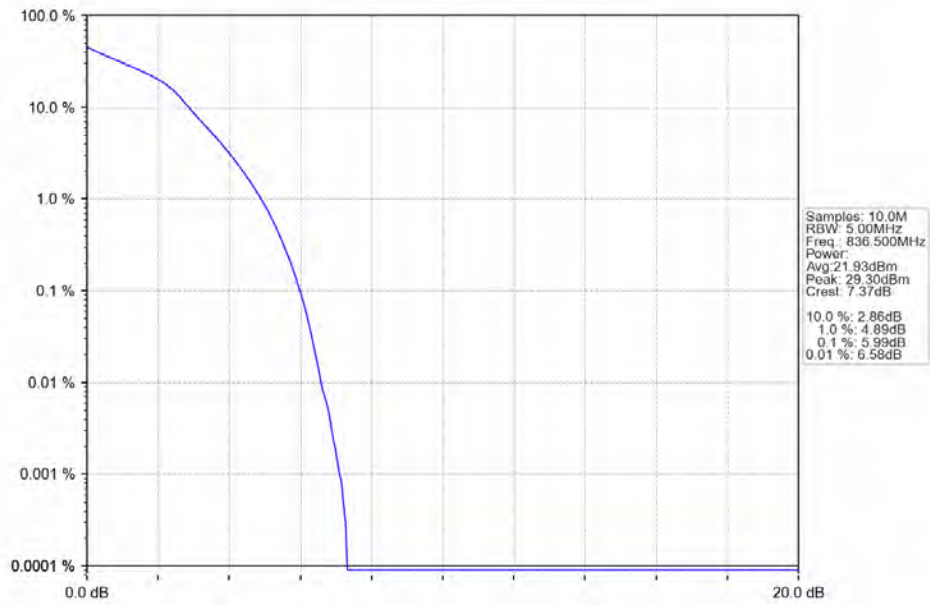
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



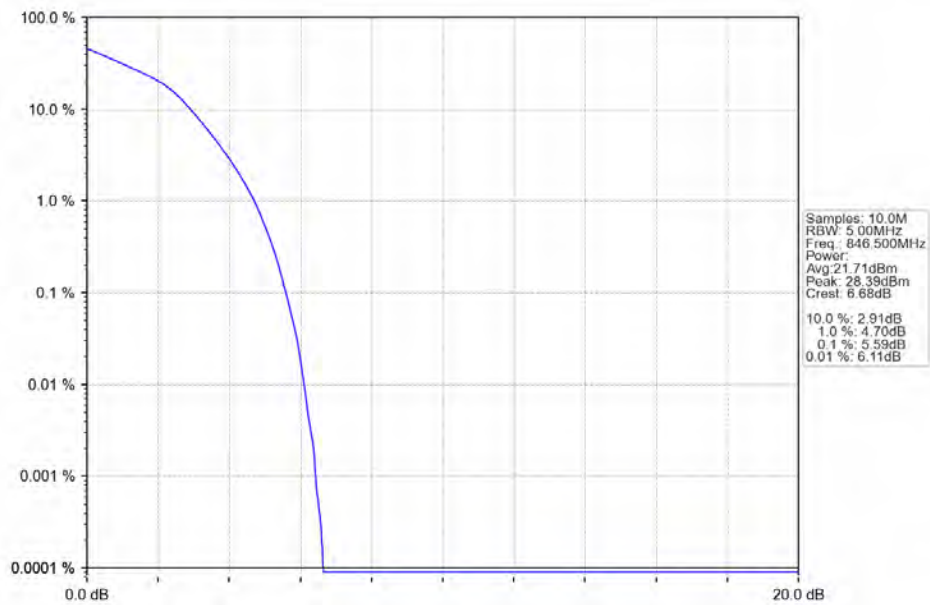
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

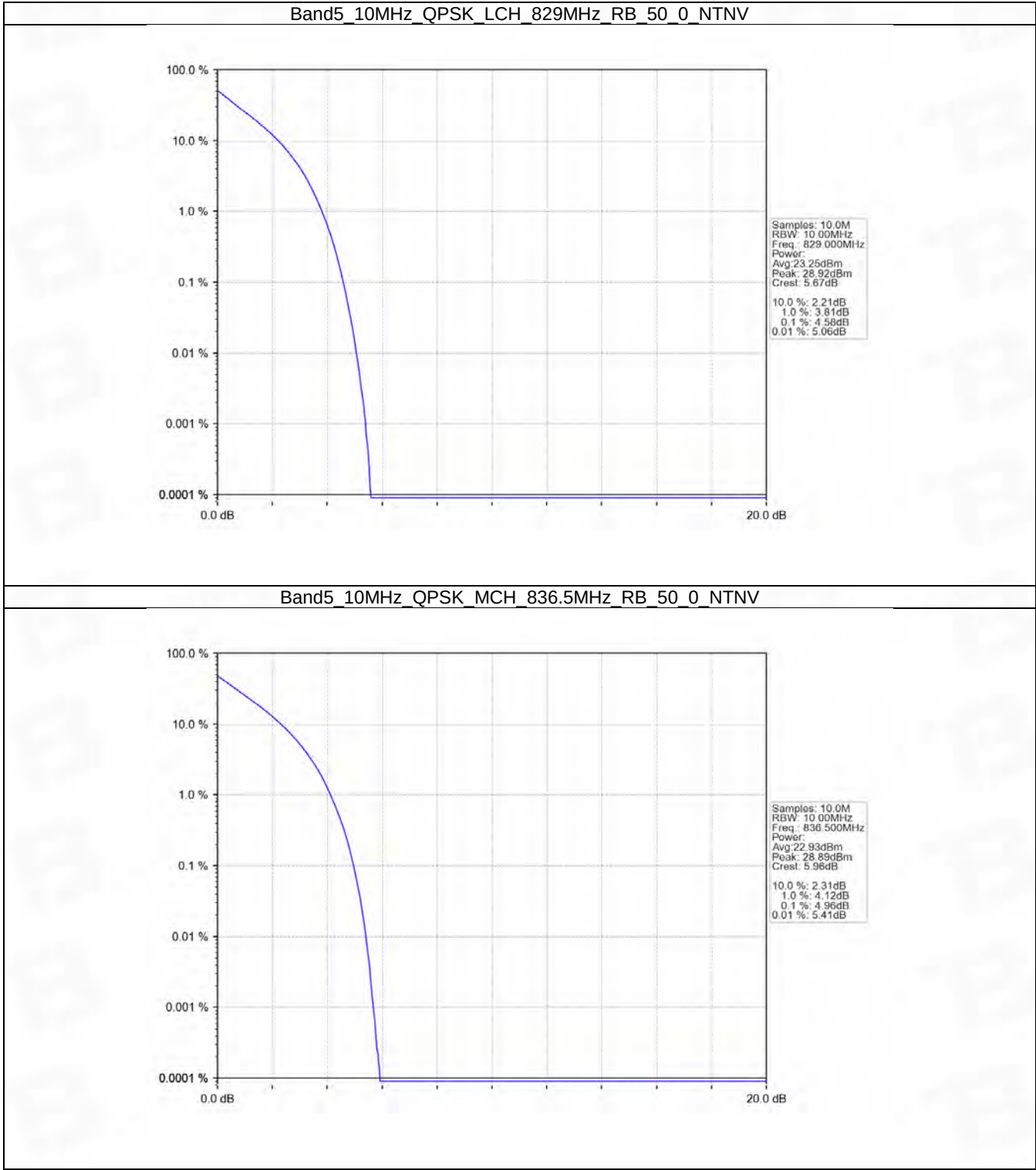


5.4 B5_10MHz

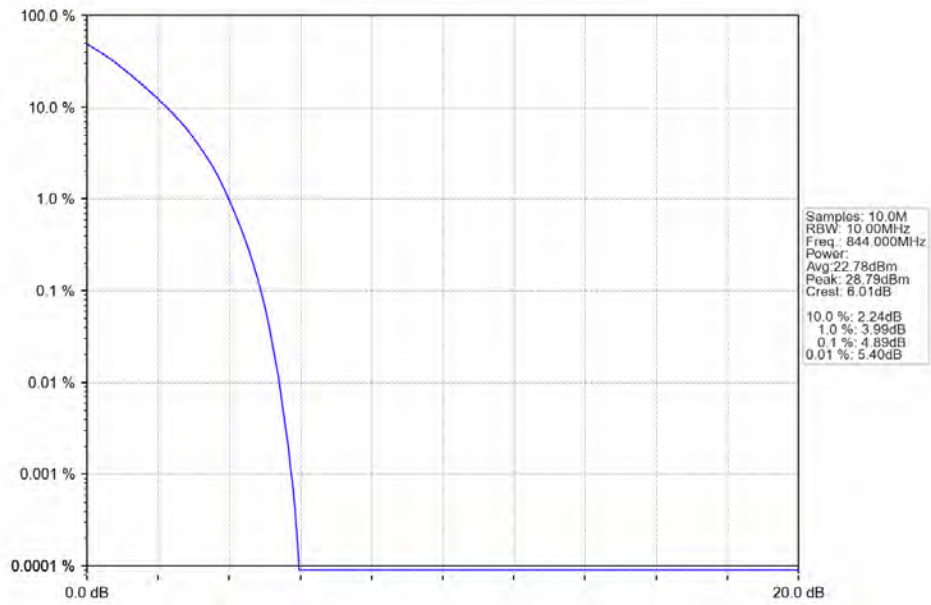
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.58	<=13	Pass
	836.5	50	0	4.96	<=13	Pass
	844	50	0	4.89	<=13	Pass
16QAM	829	50	0	5.30	<=13	Pass
	836.5	50	0	5.78	<=13	Pass
	844	50	0	5.55	<=13	Pass

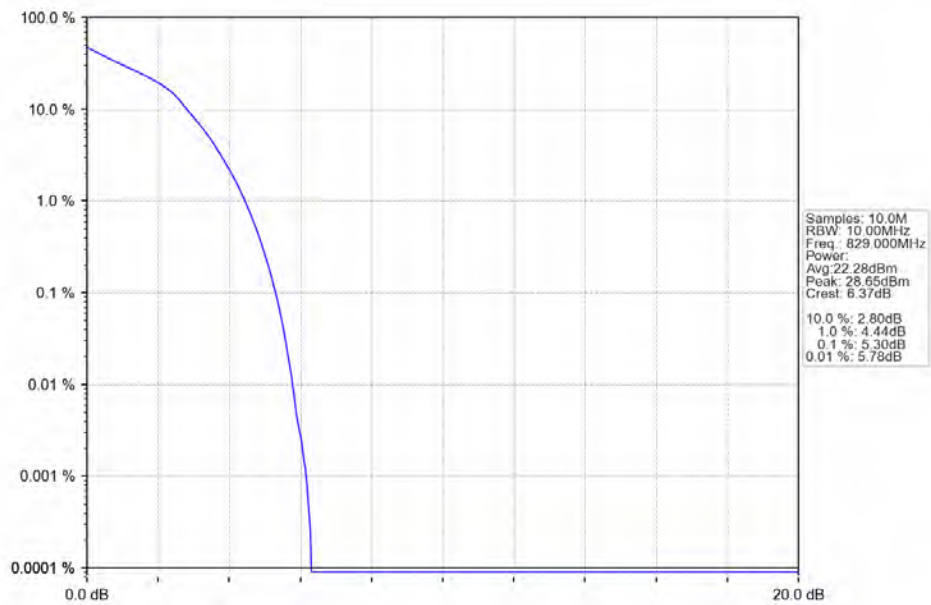
5.4.2 Test Graph



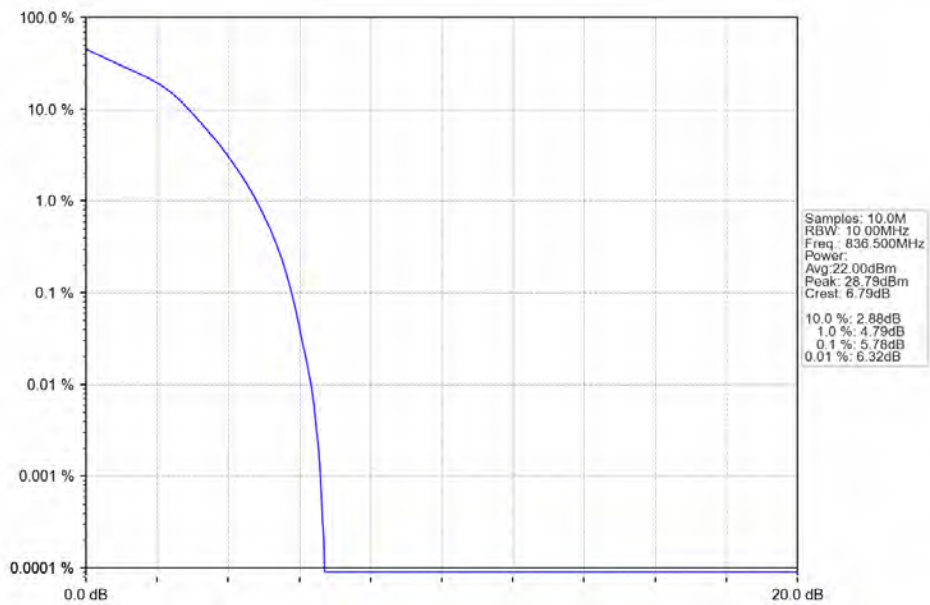
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



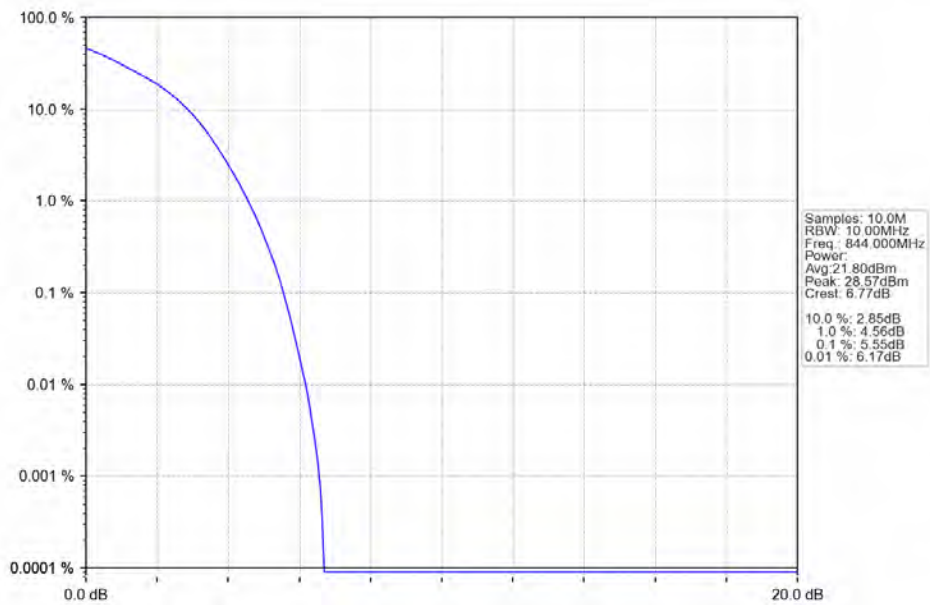
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



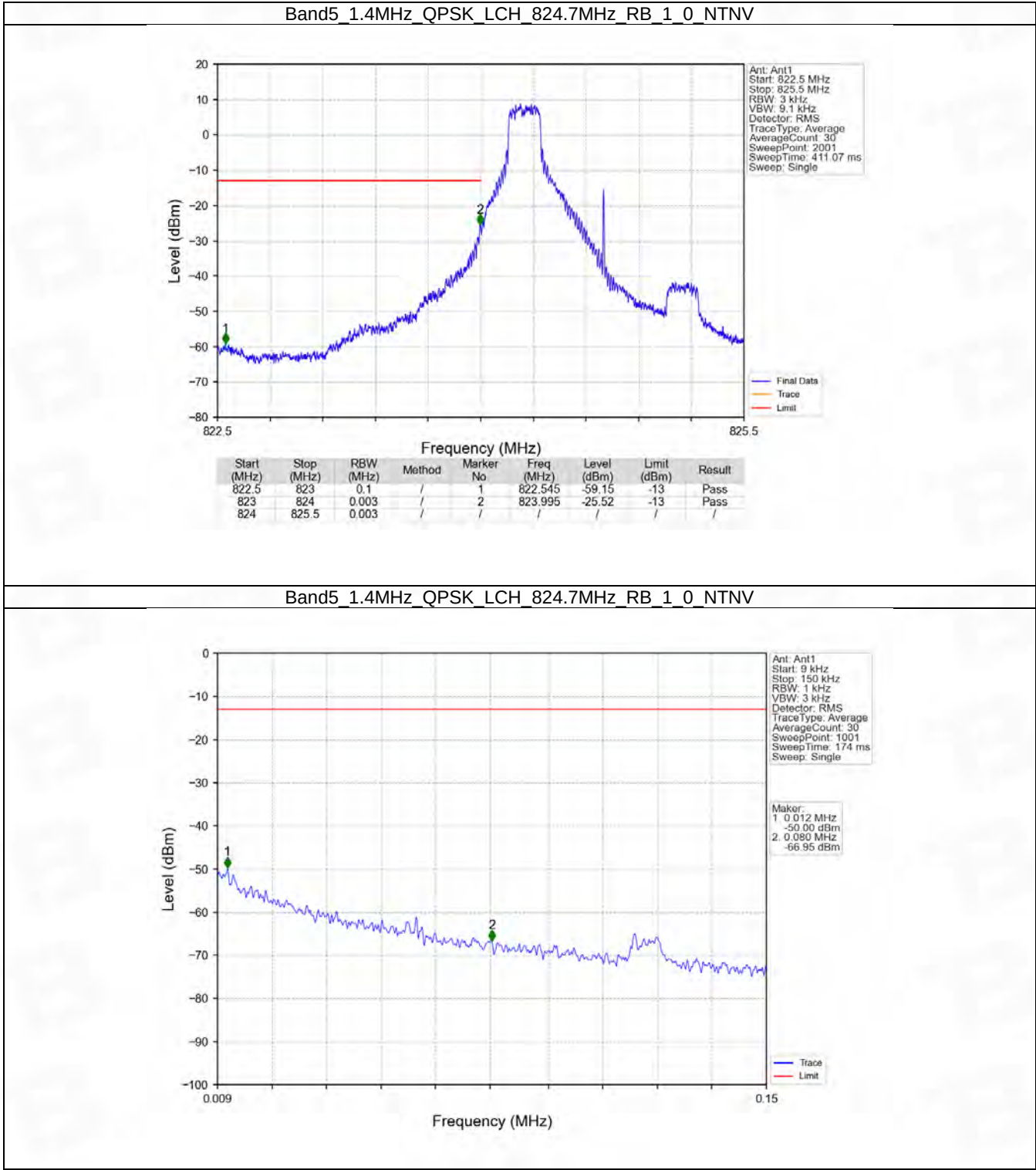
6. Spurious Emission

6.1 B5_1.4MHz

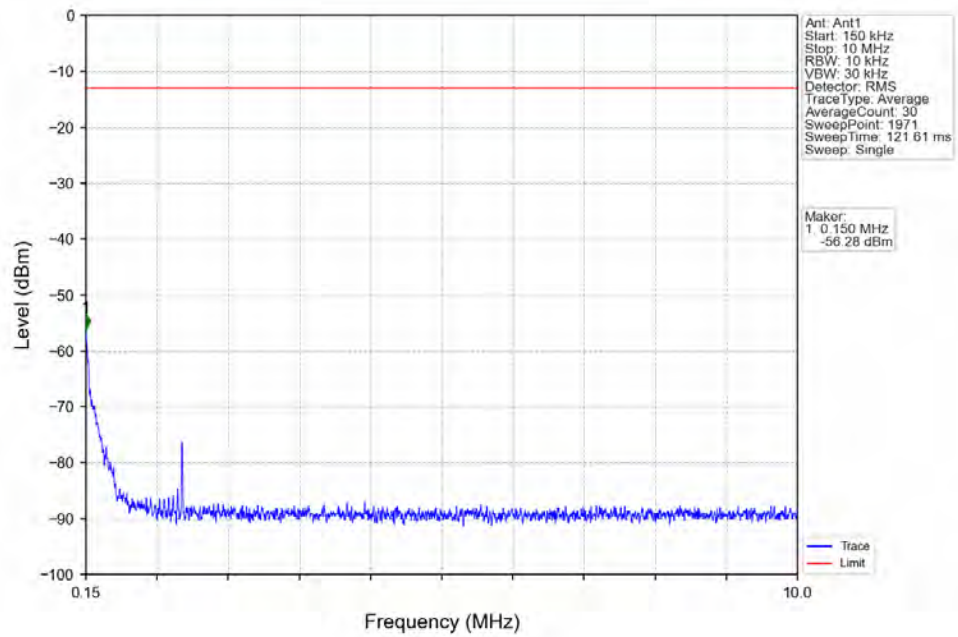
6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
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

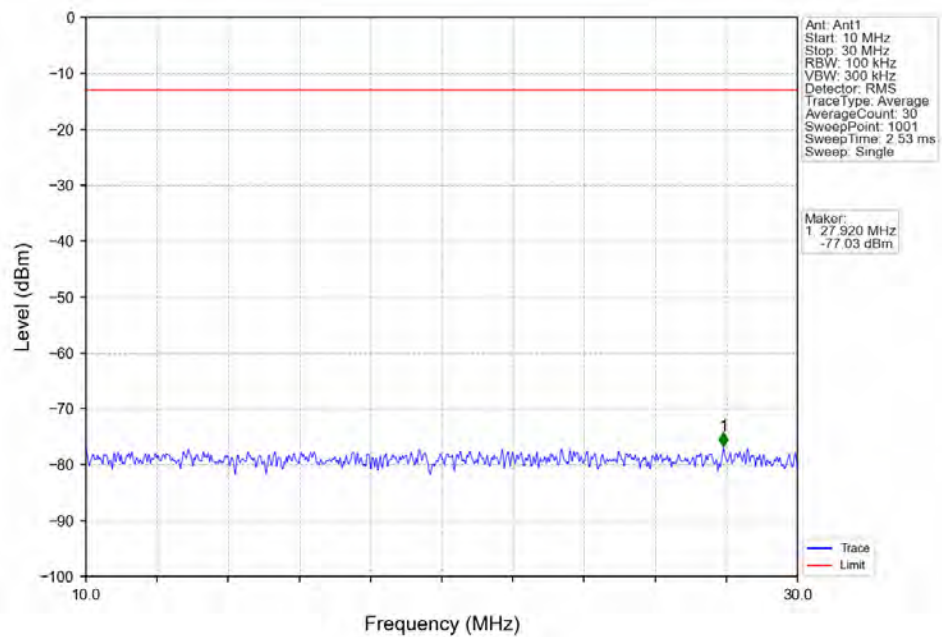
6.1.2 Test Graph



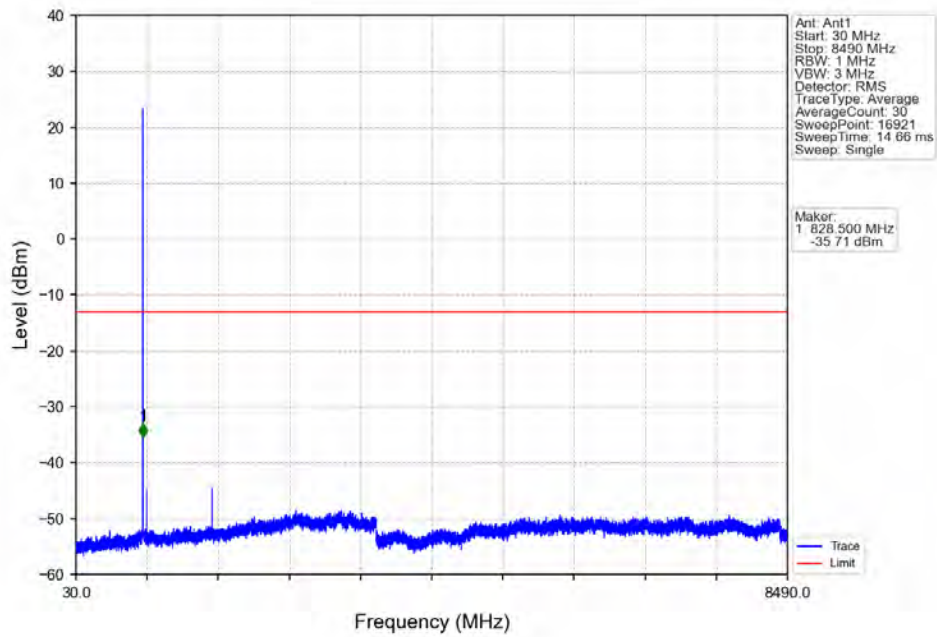
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTN



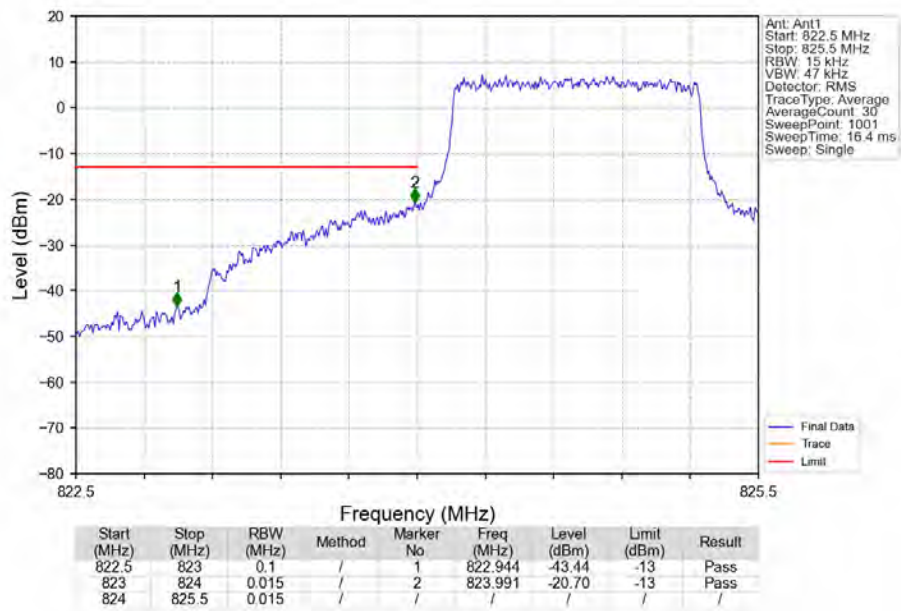
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTN



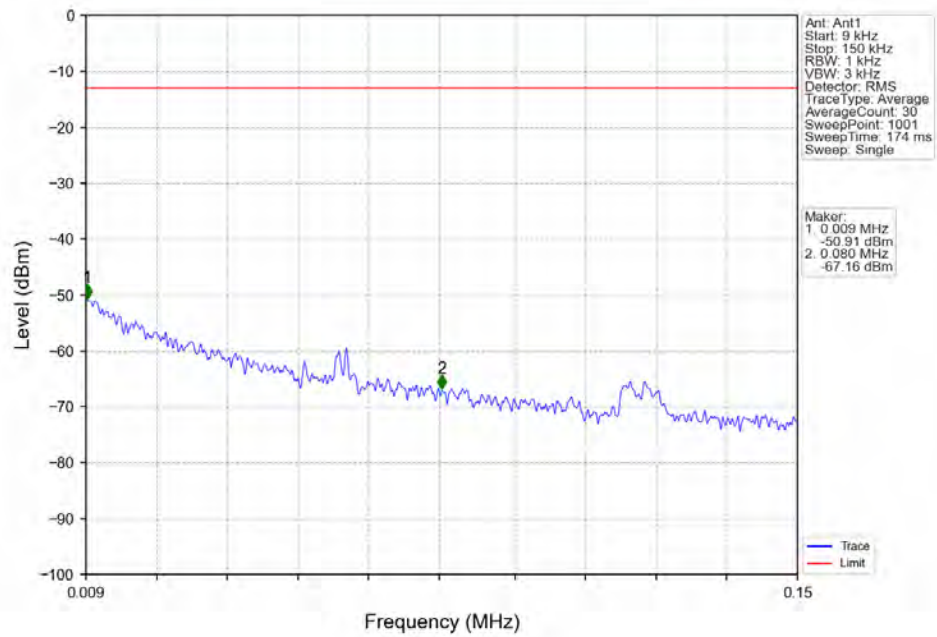
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



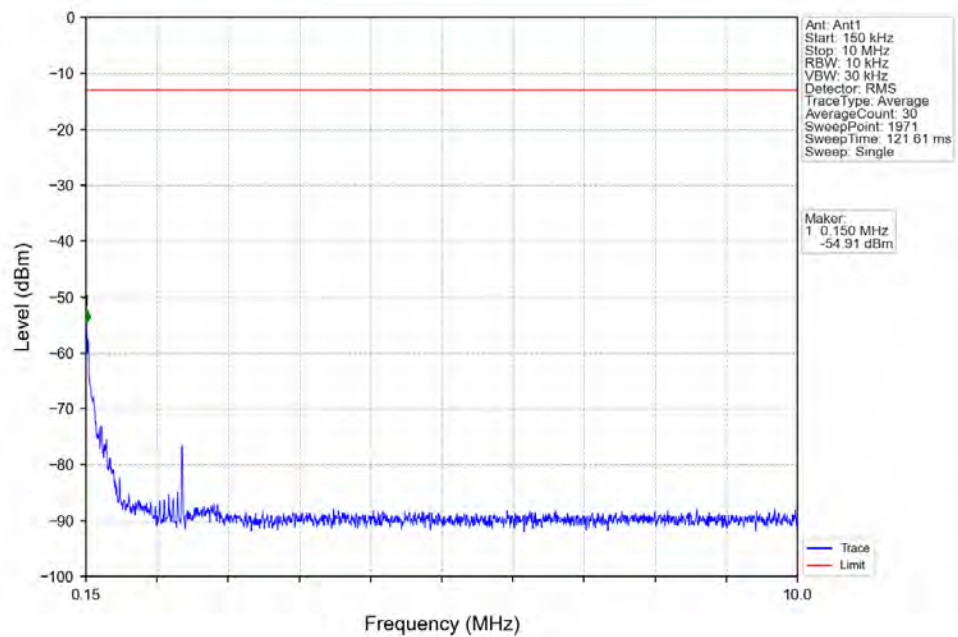
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



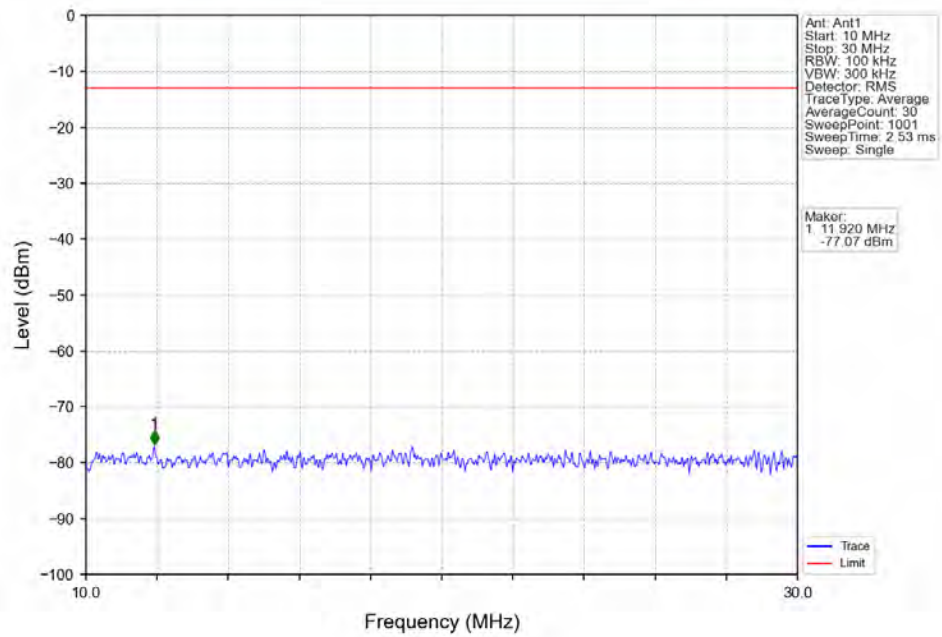
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



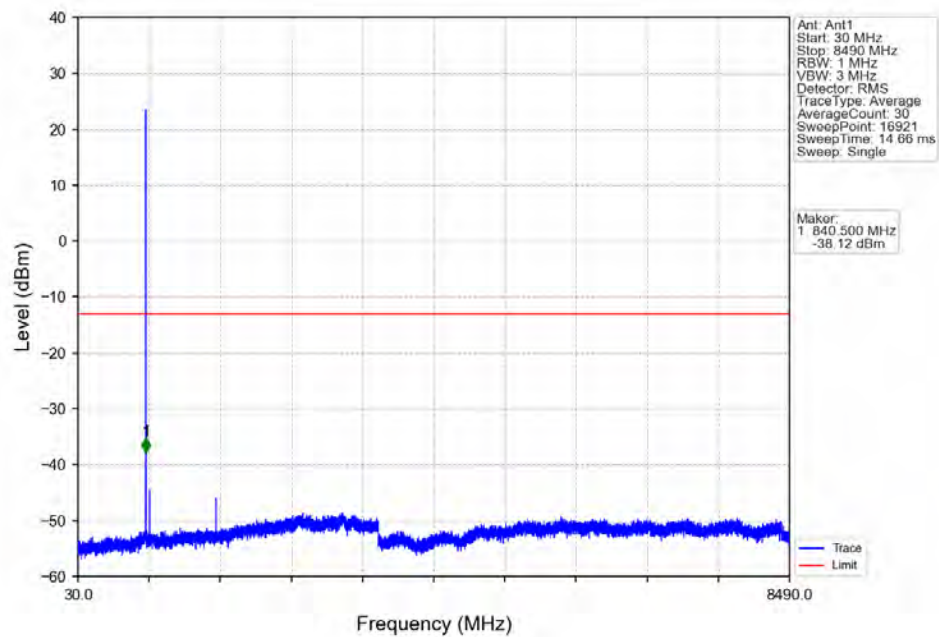
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



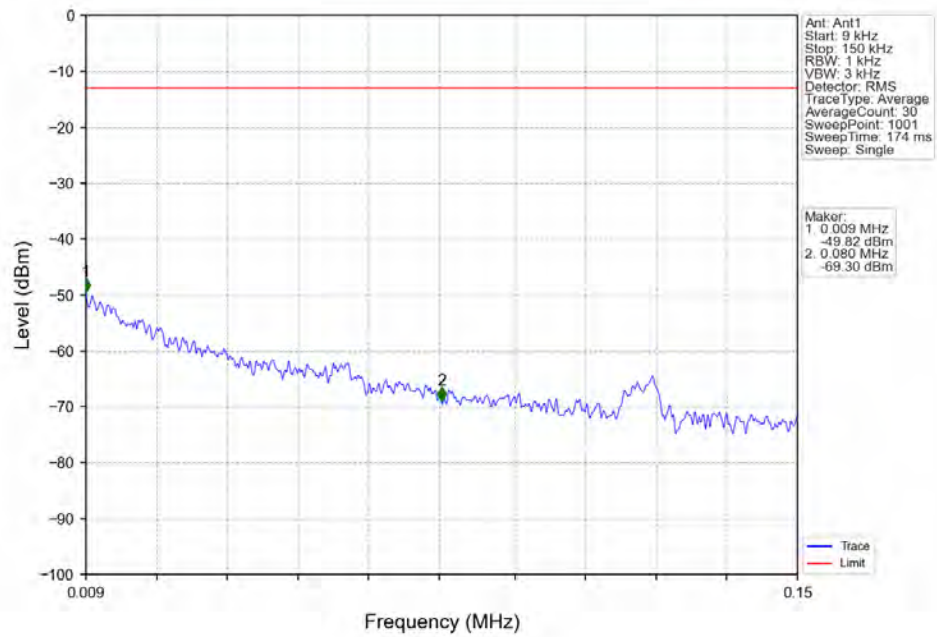
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



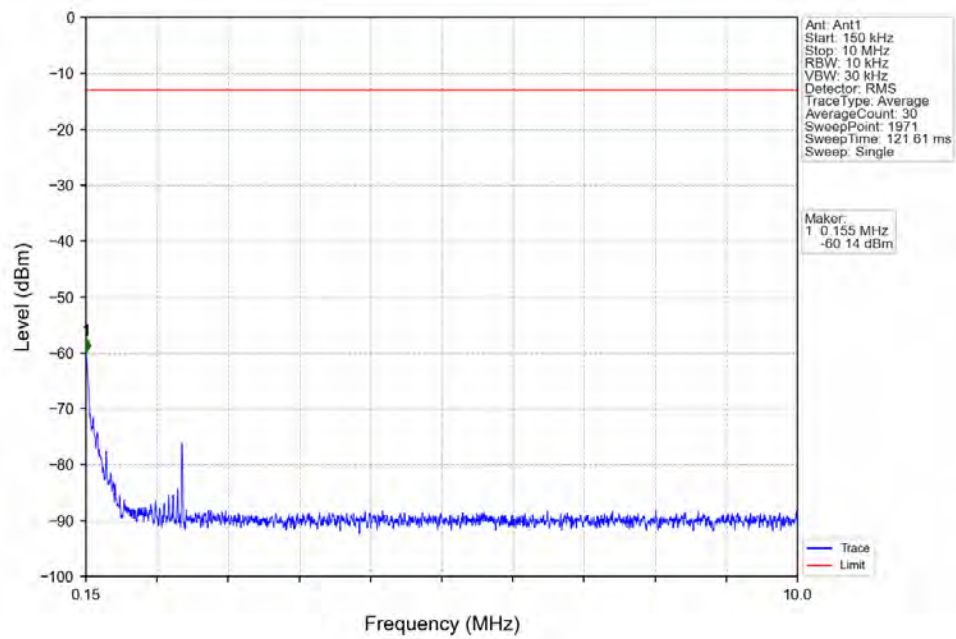
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



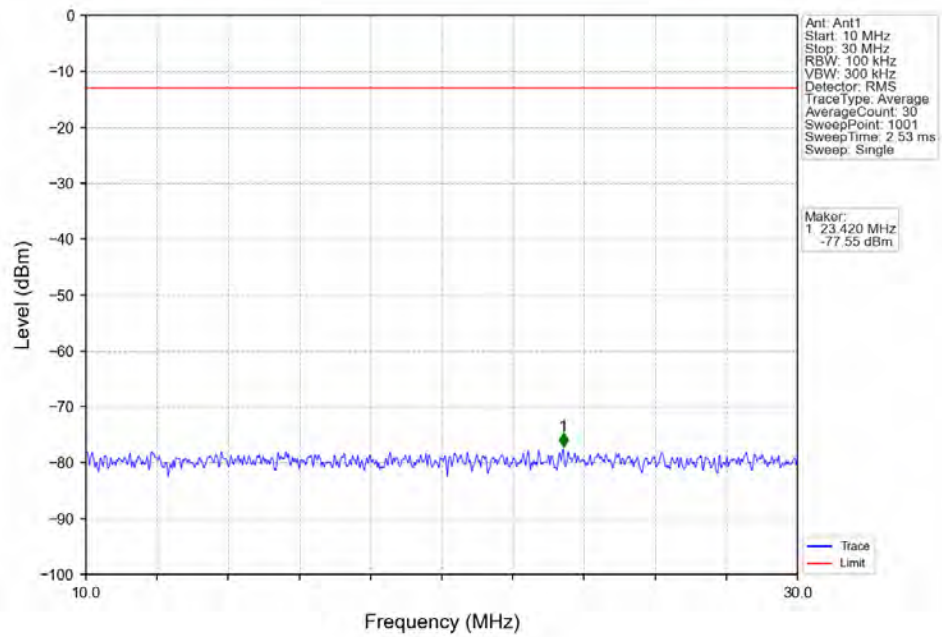
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN



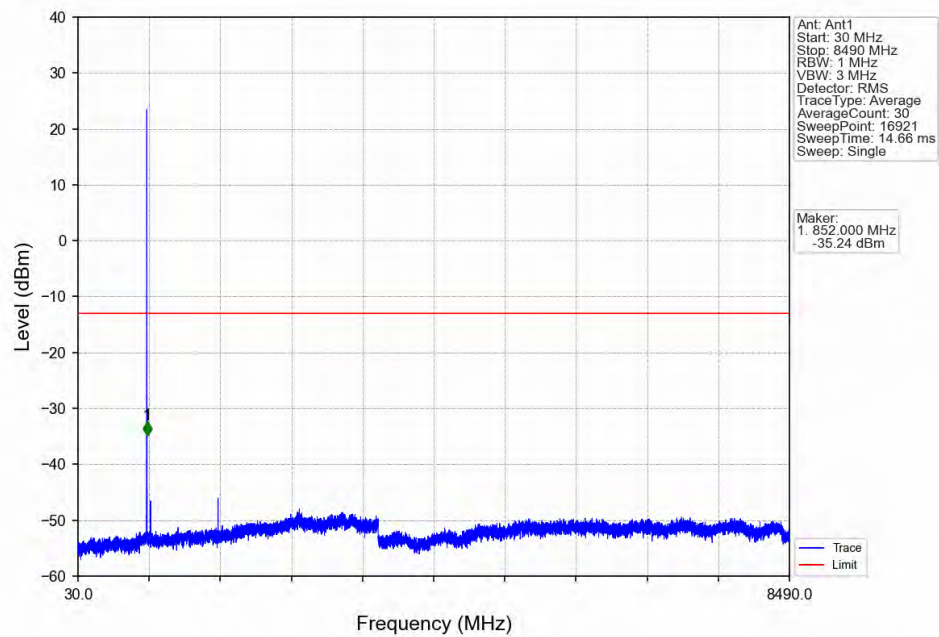
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN



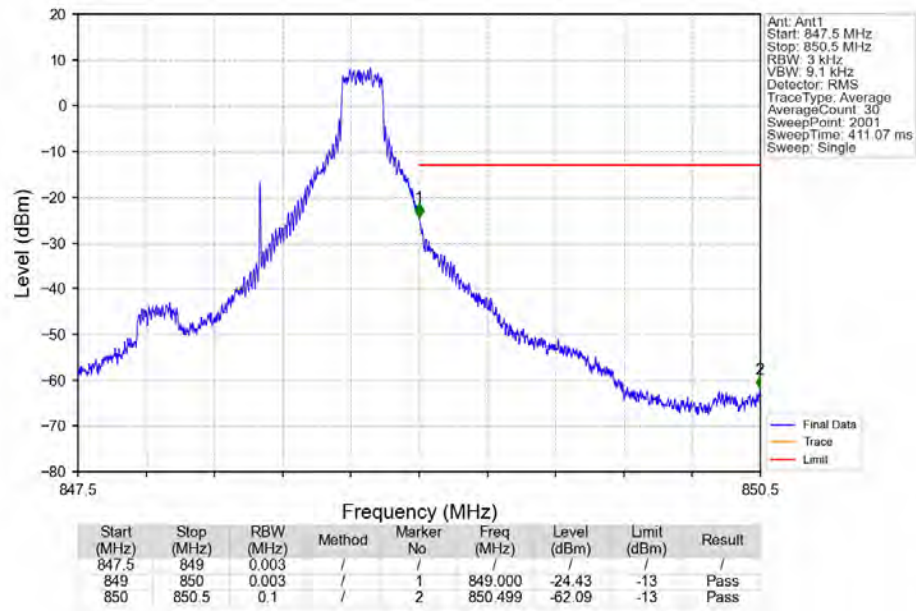
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



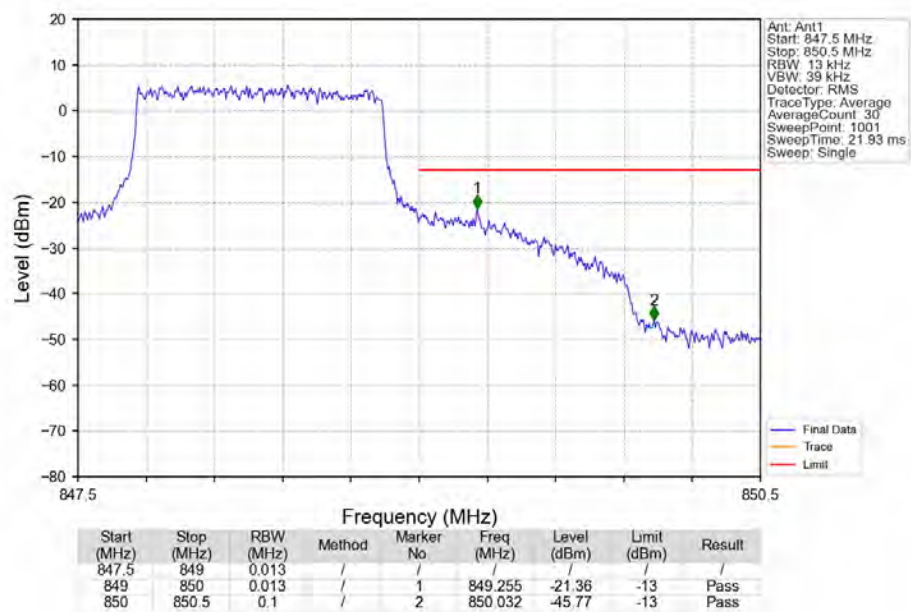
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



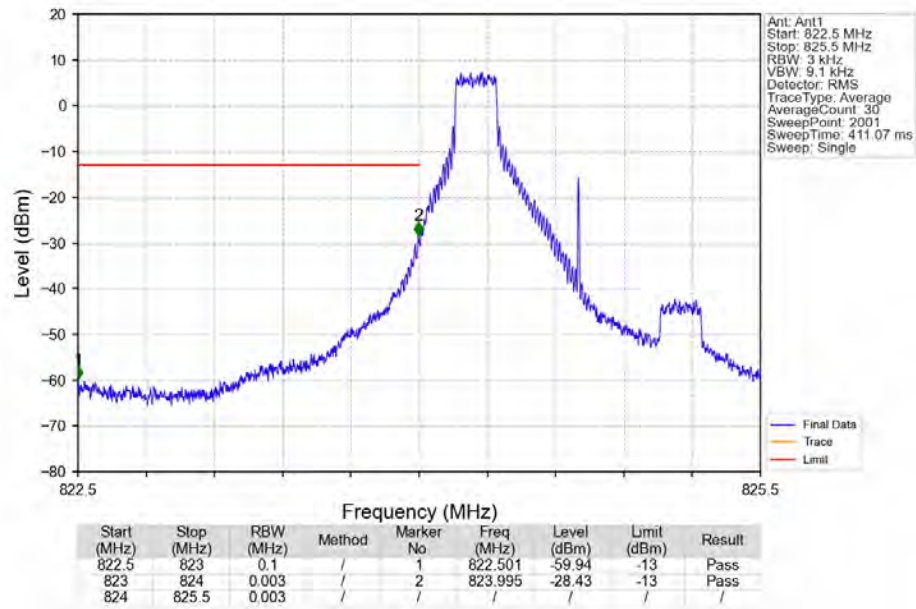
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



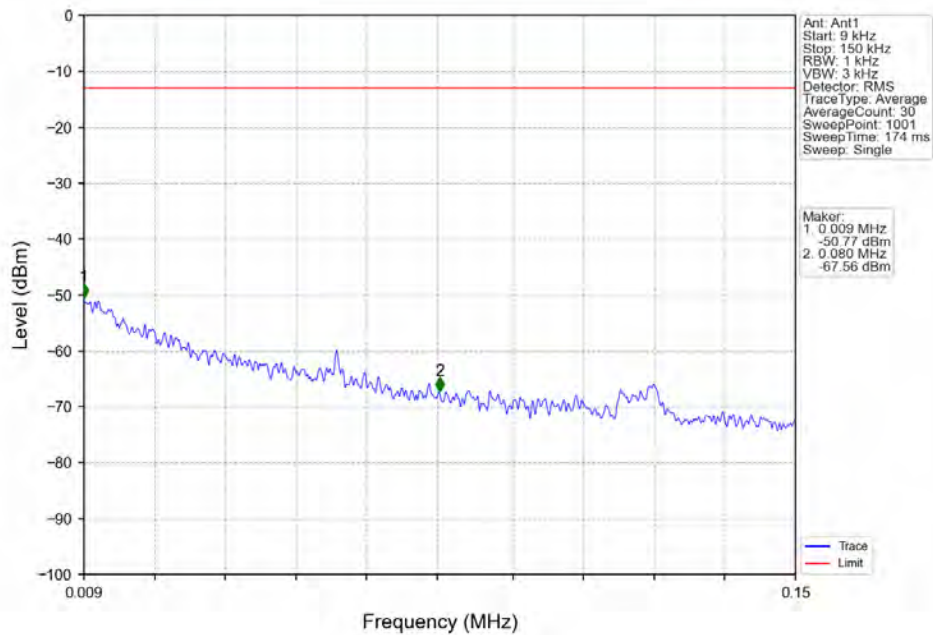
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



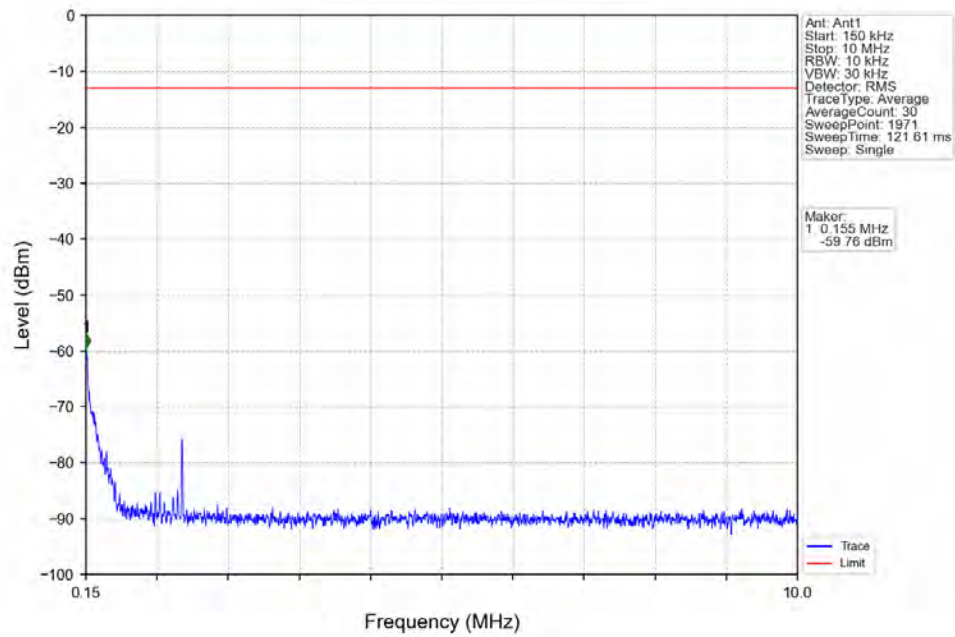
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



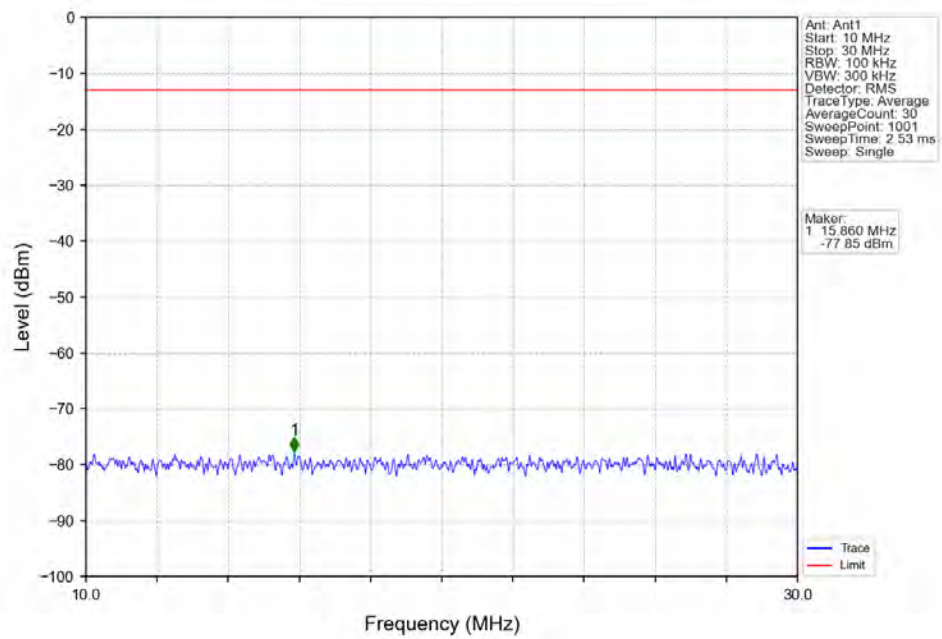
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



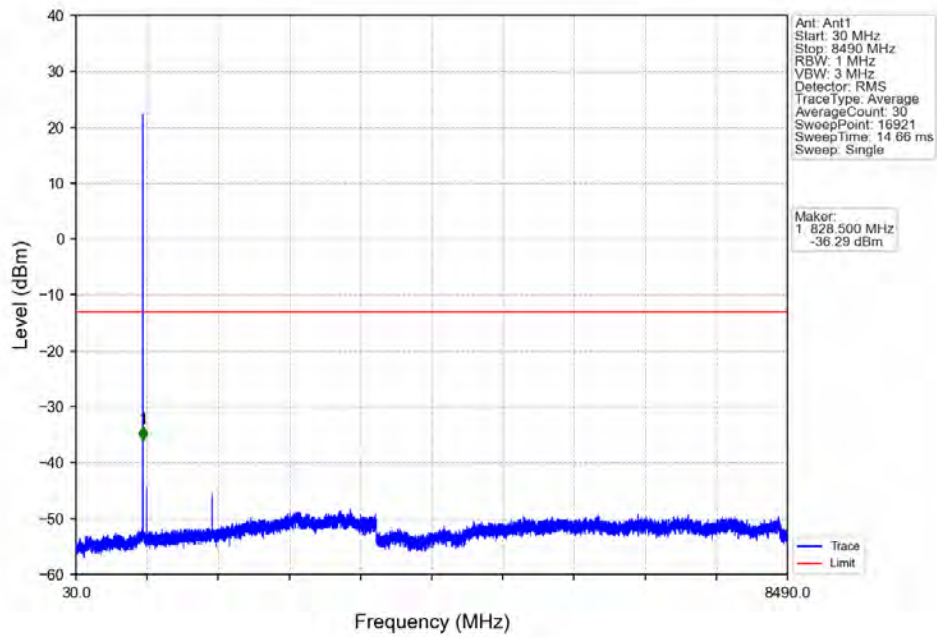
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



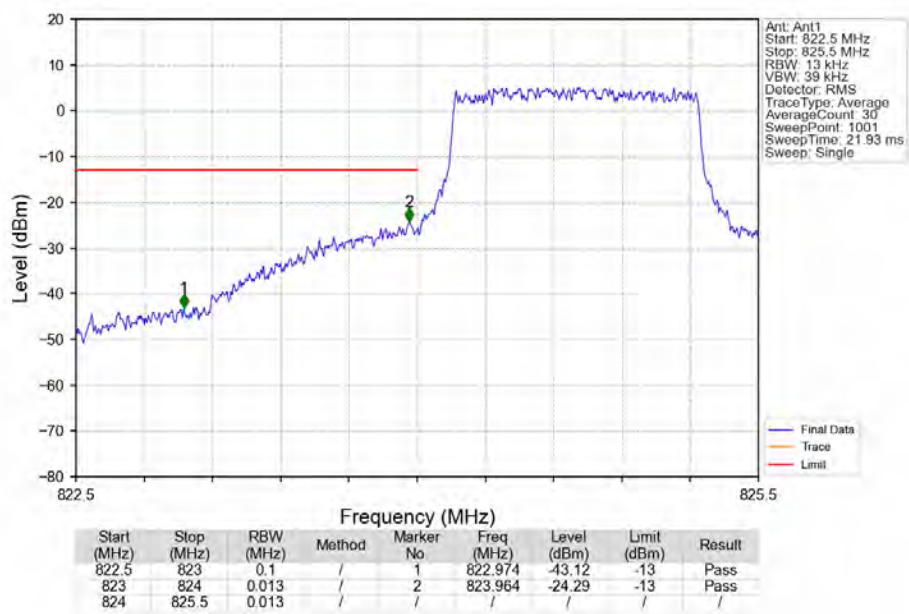
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



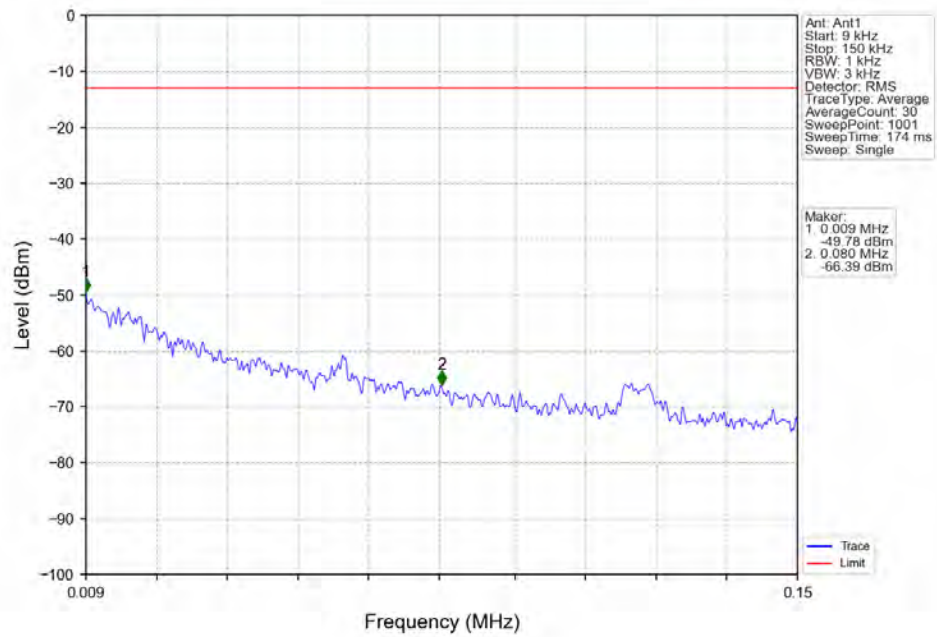
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



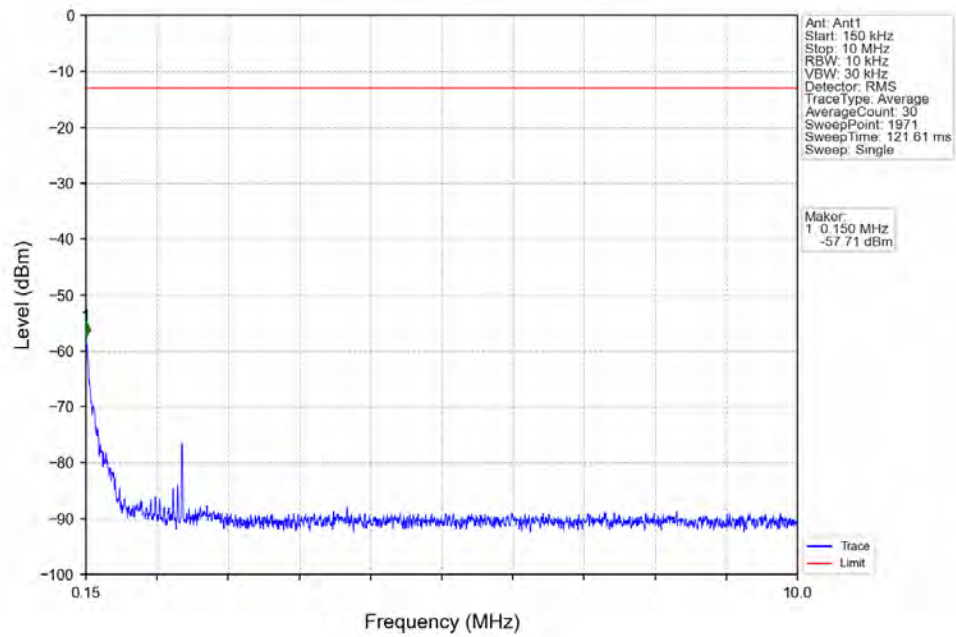
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV



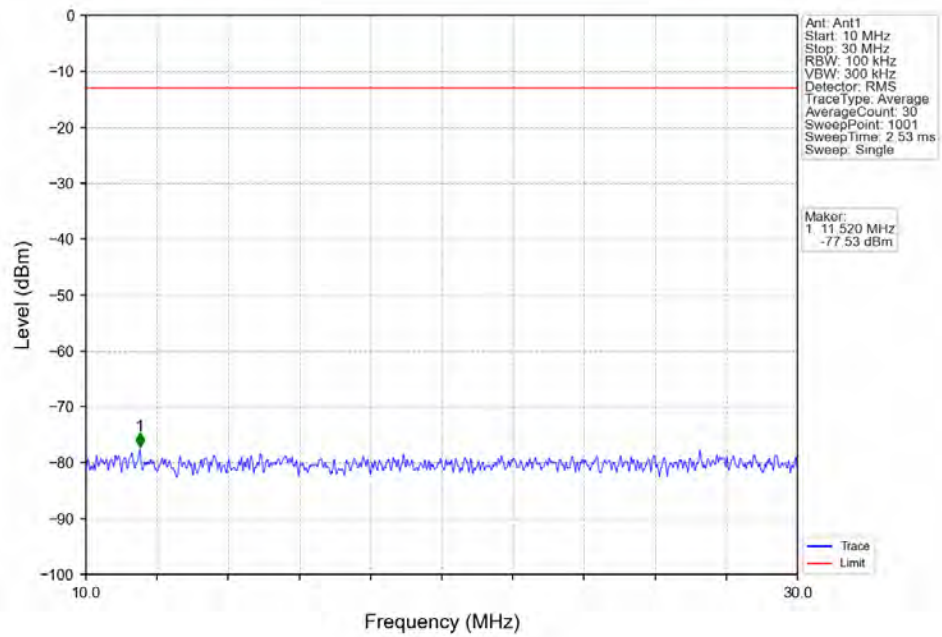
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



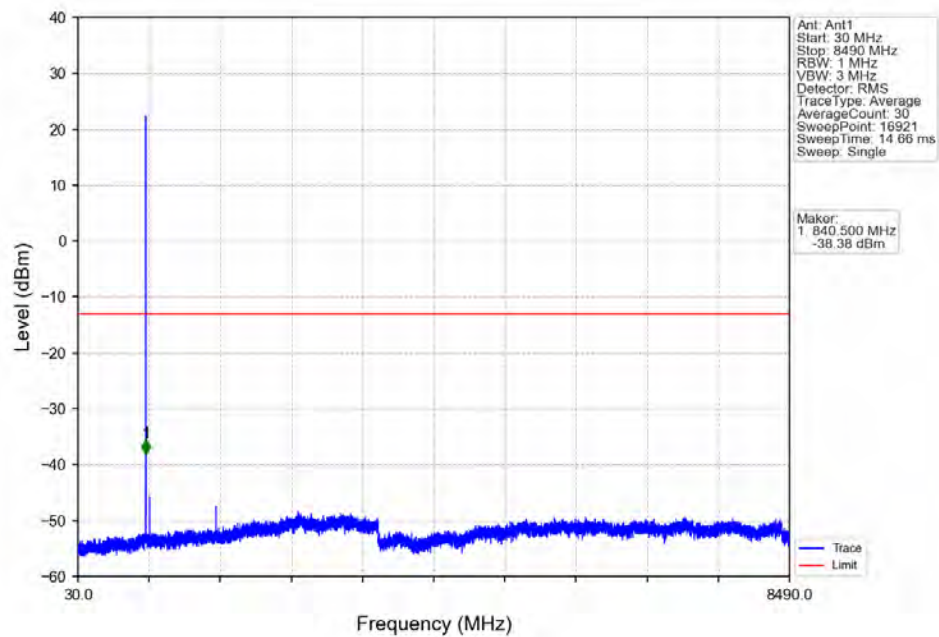
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



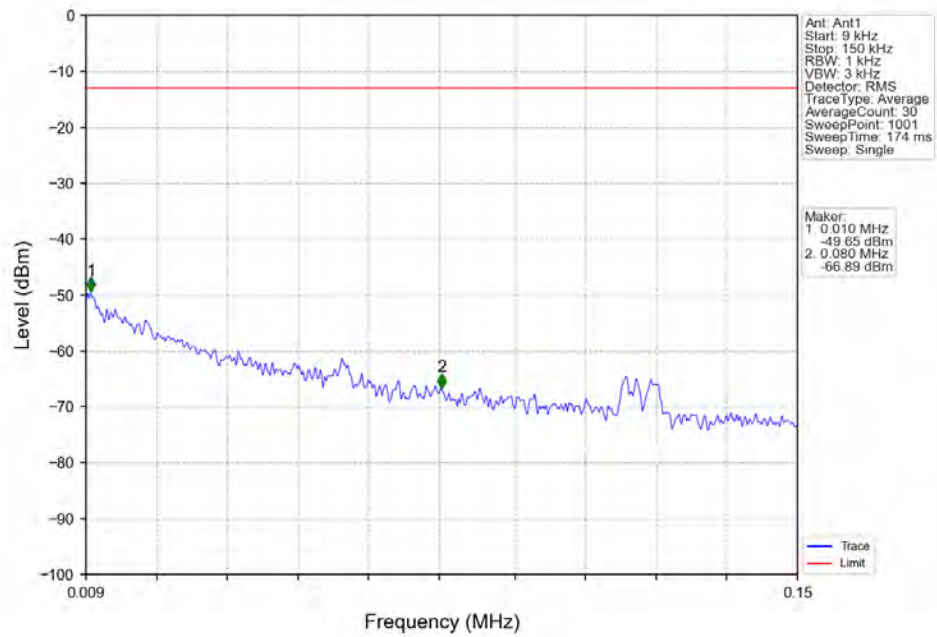
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



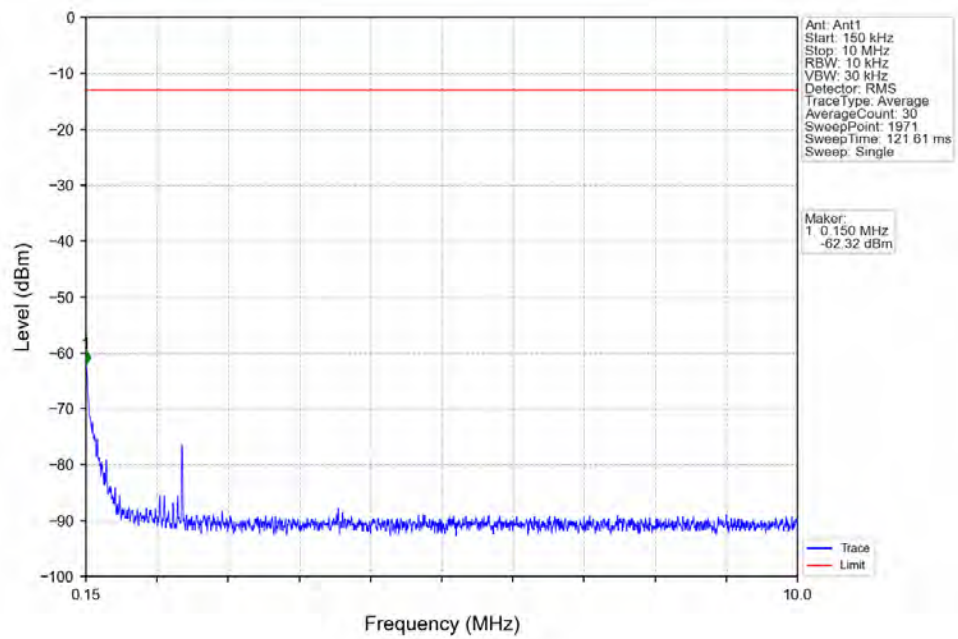
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



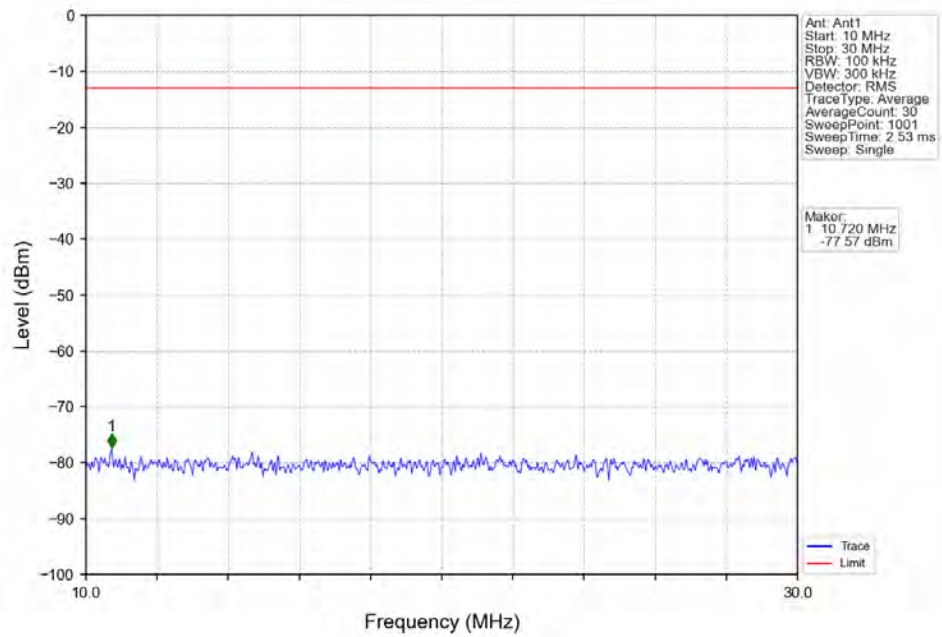
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTNV



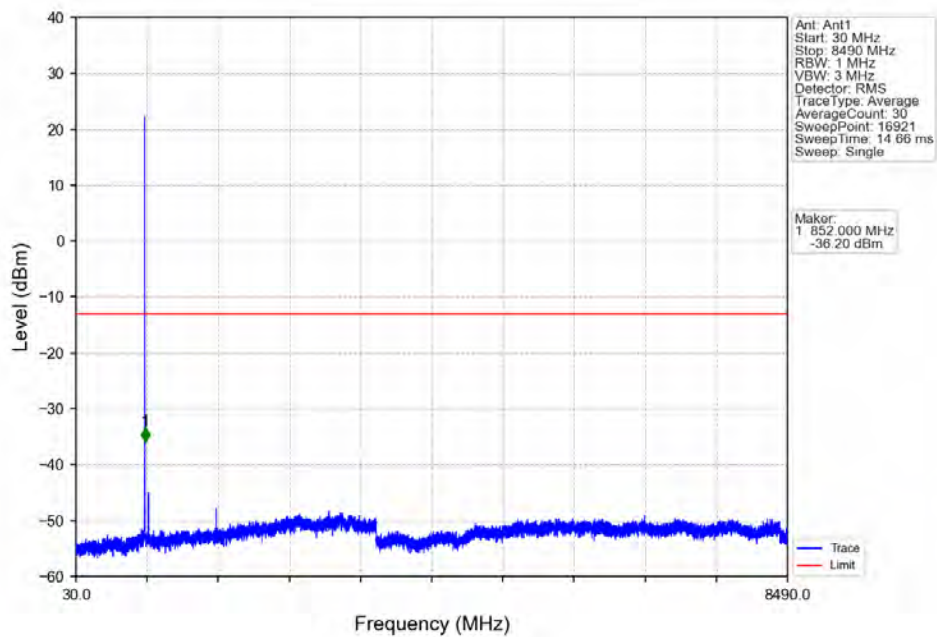
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTNV



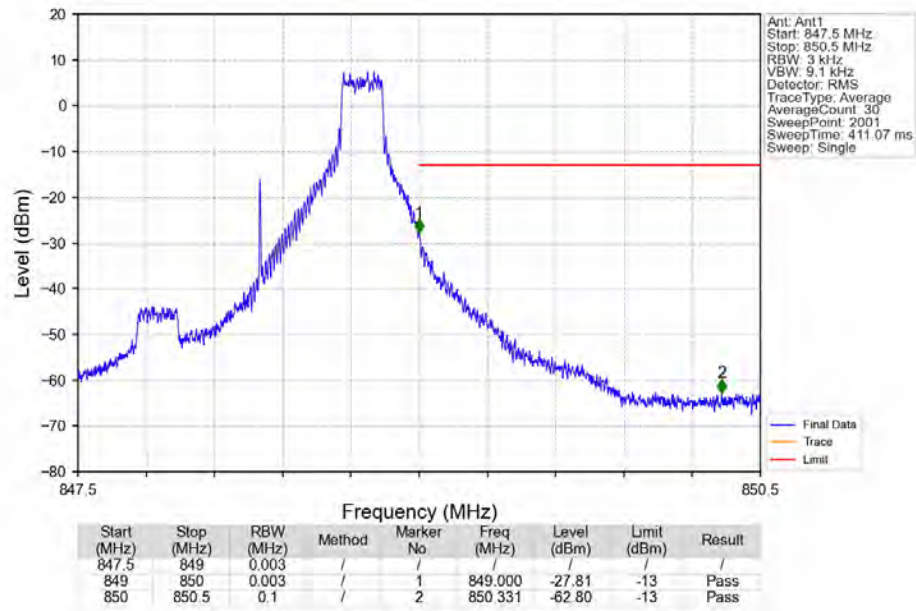
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTV



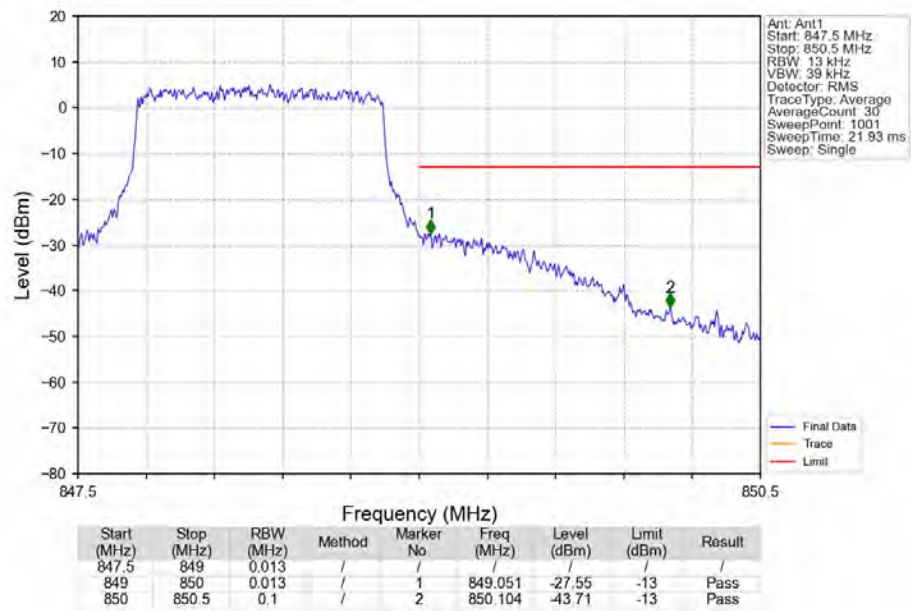
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV

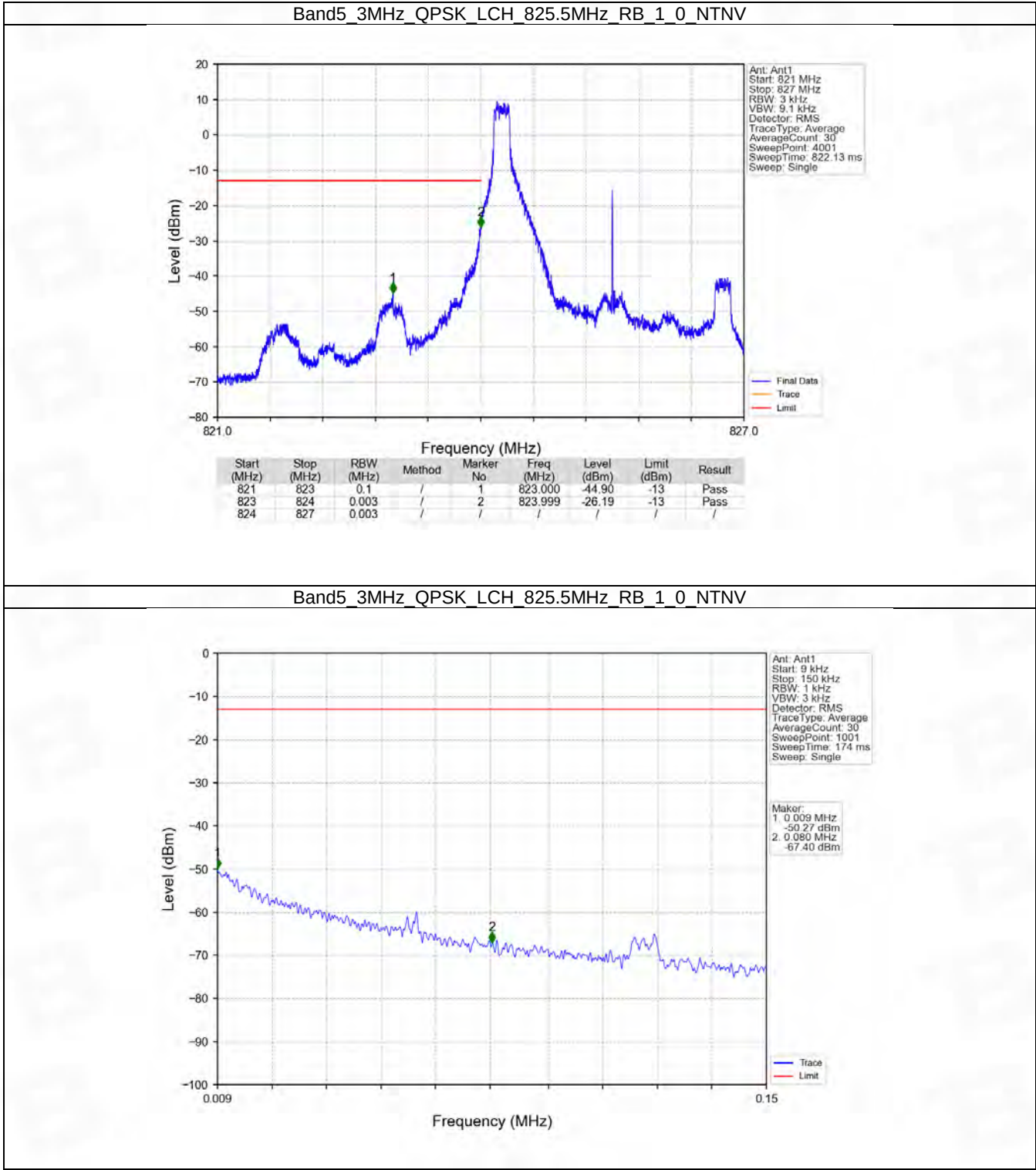


6.2 B5_3MHz

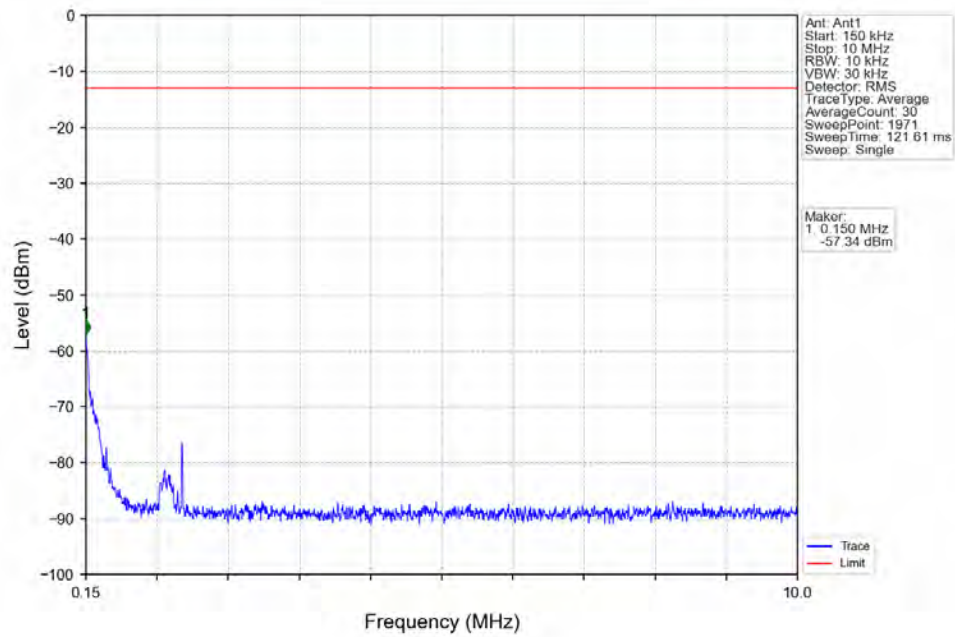
6.2.1 Test Result

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

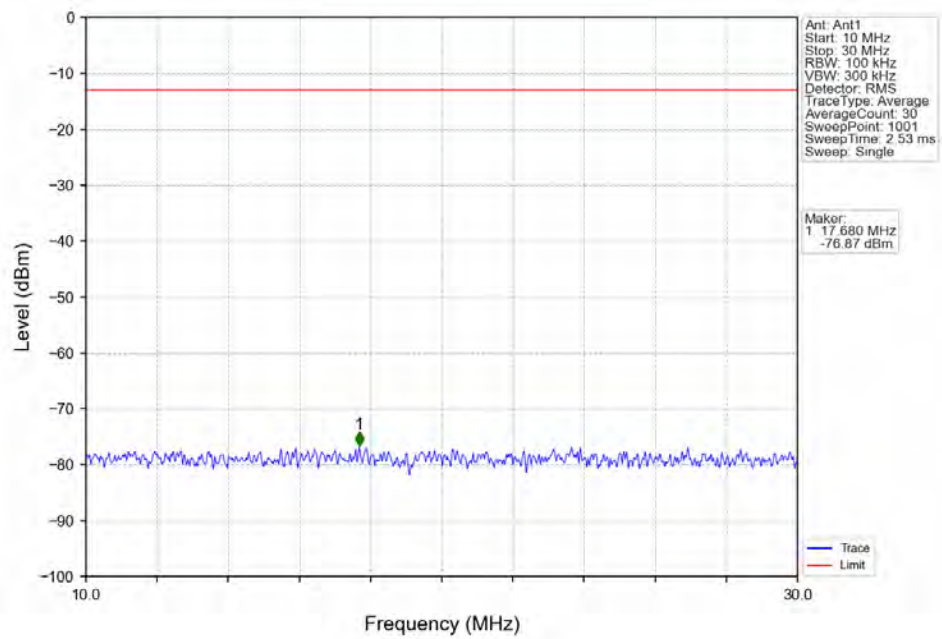
6.2.2 Test Graph



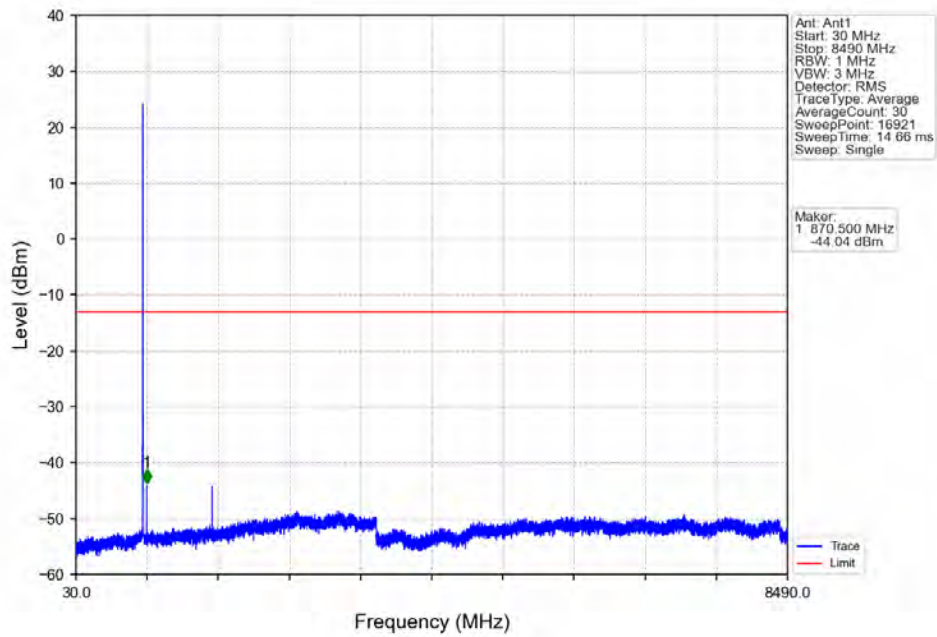
Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTNV



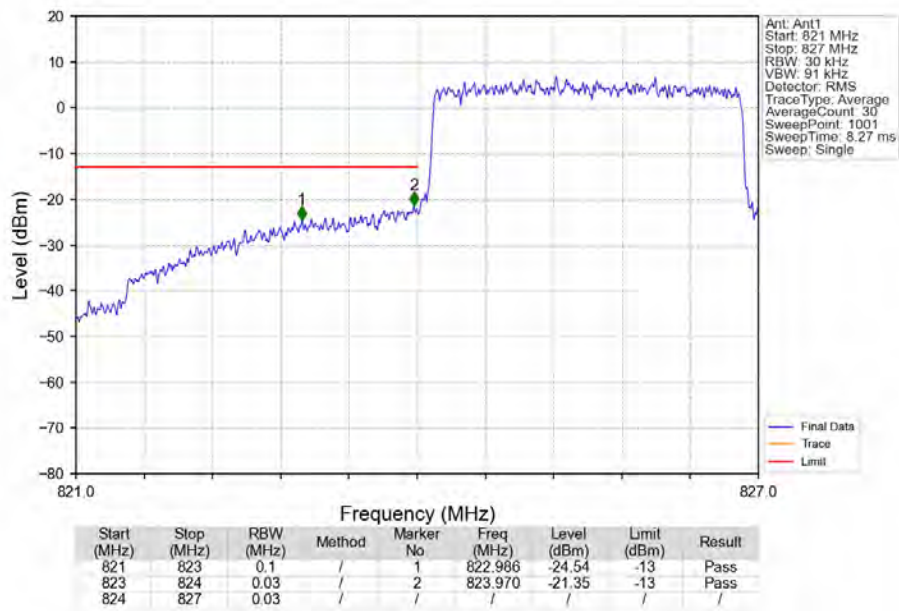
Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTNV



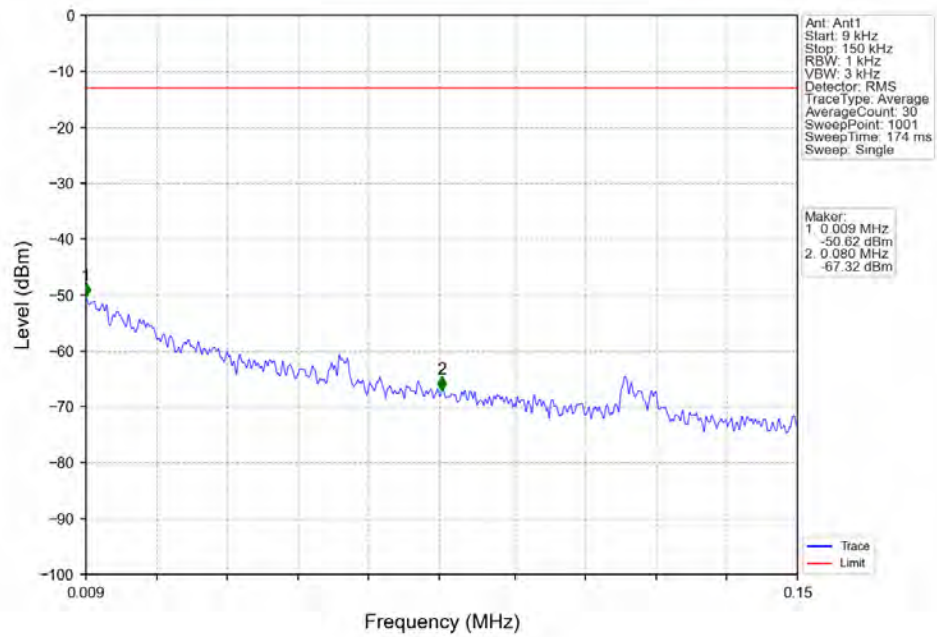
Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTNV



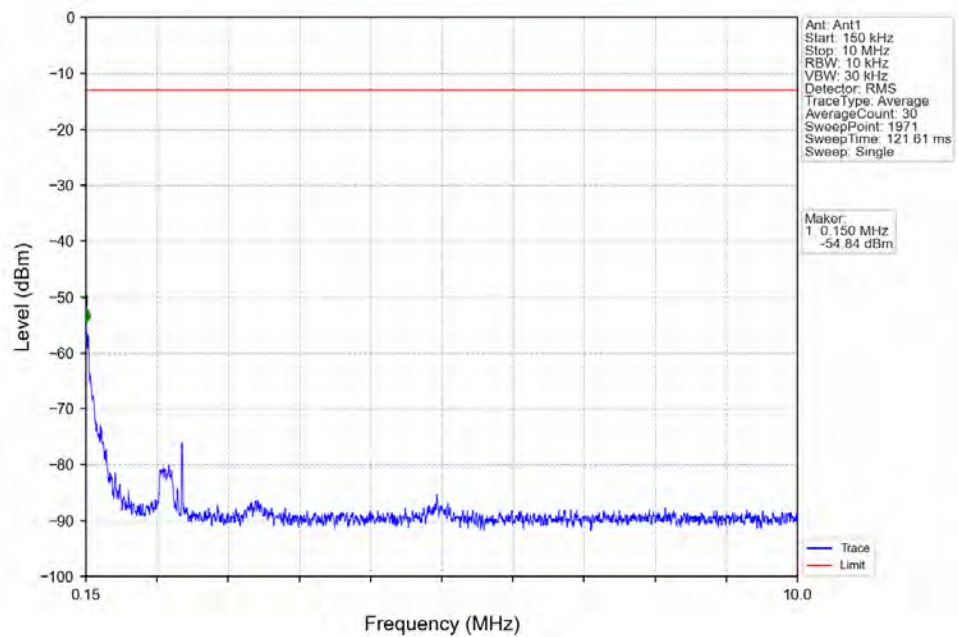
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



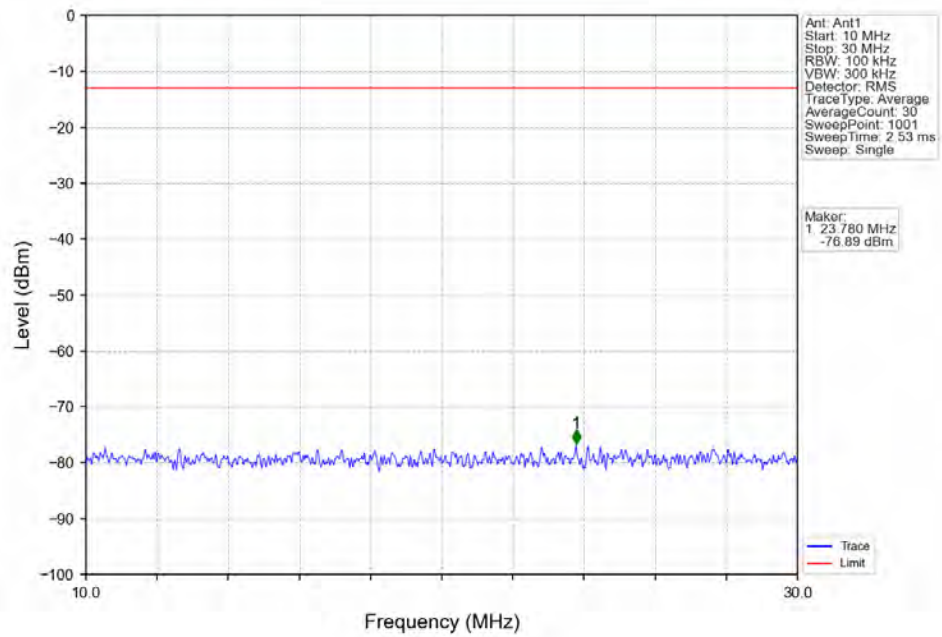
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



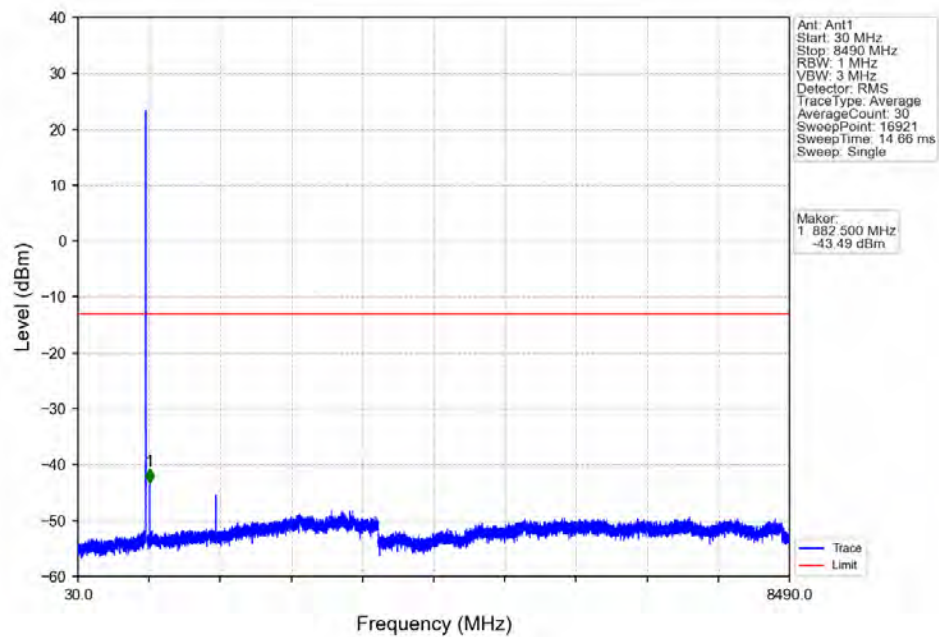
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



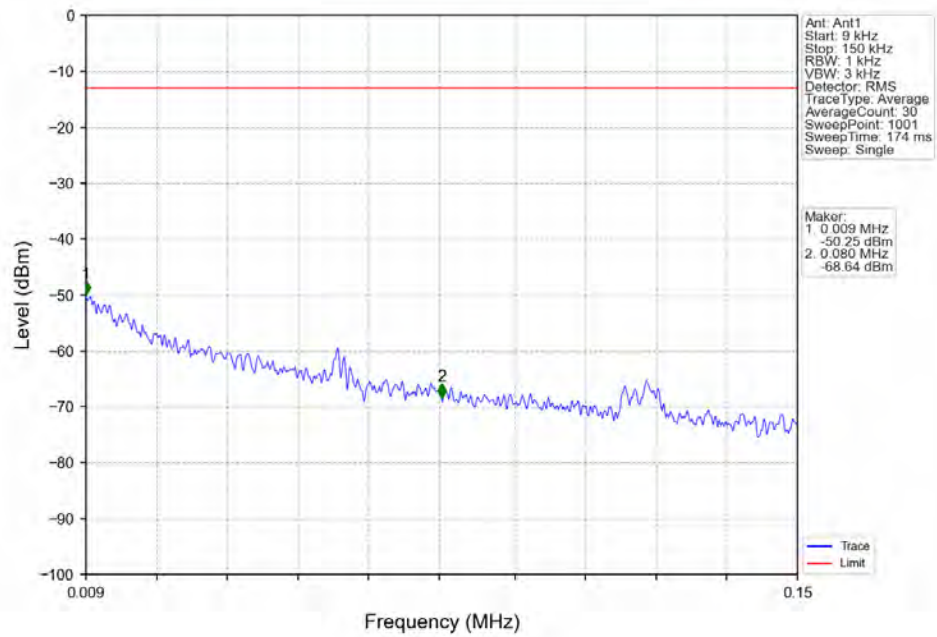
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



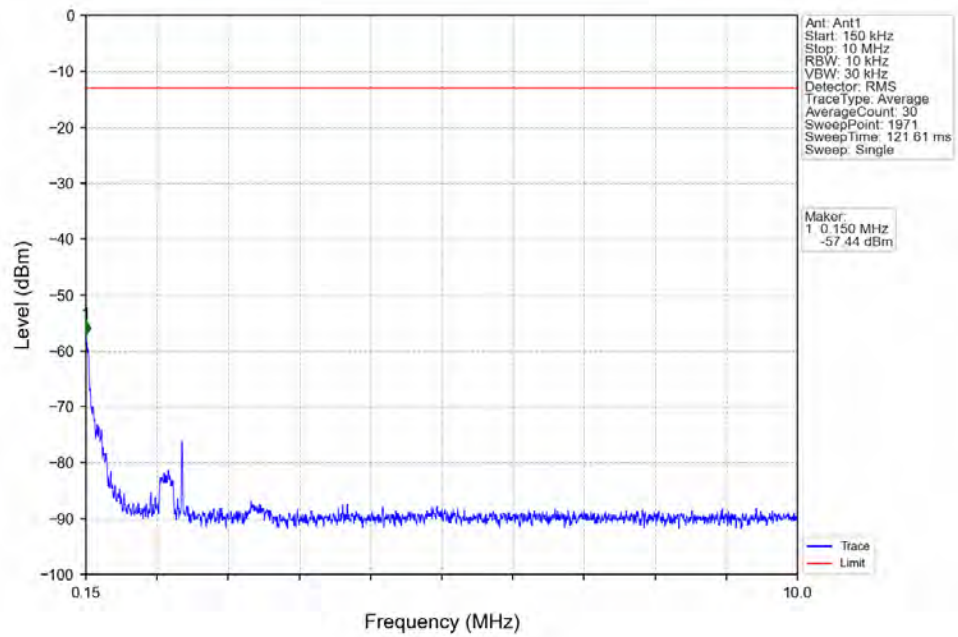
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



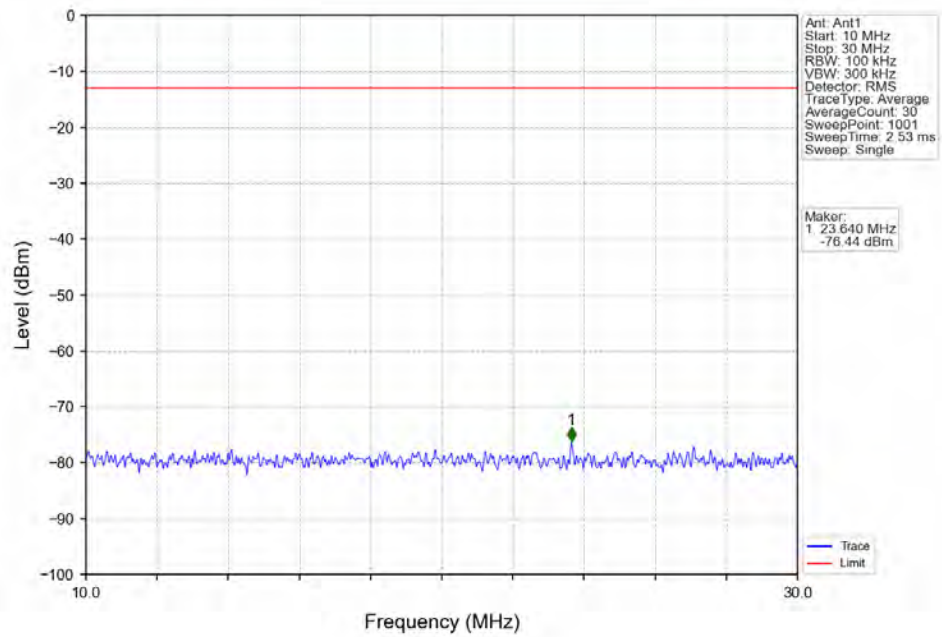
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV



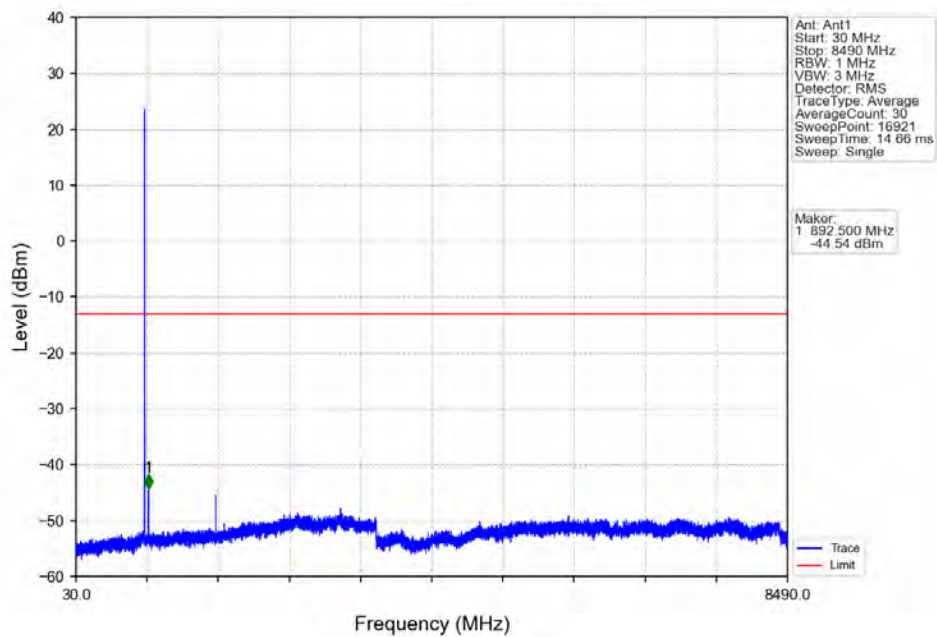
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV



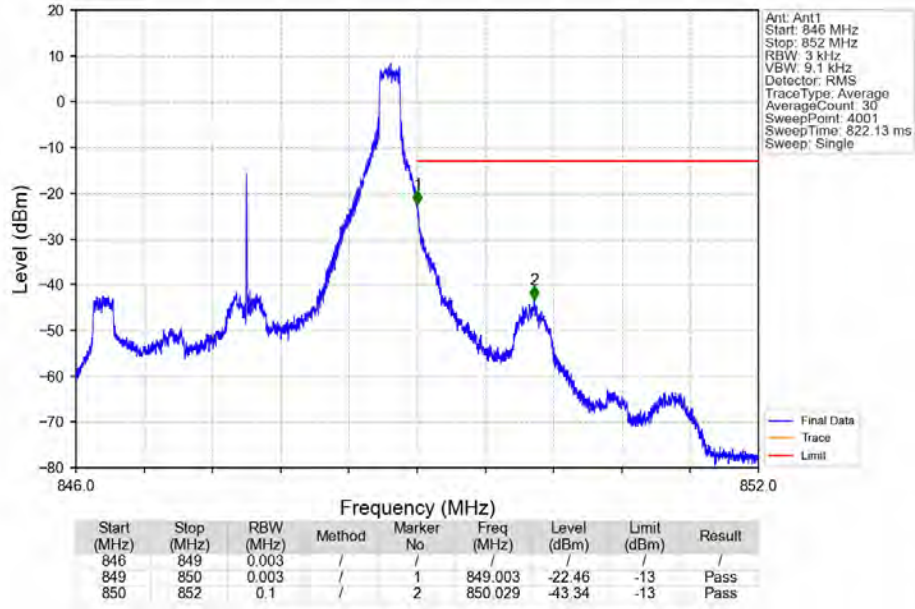
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV



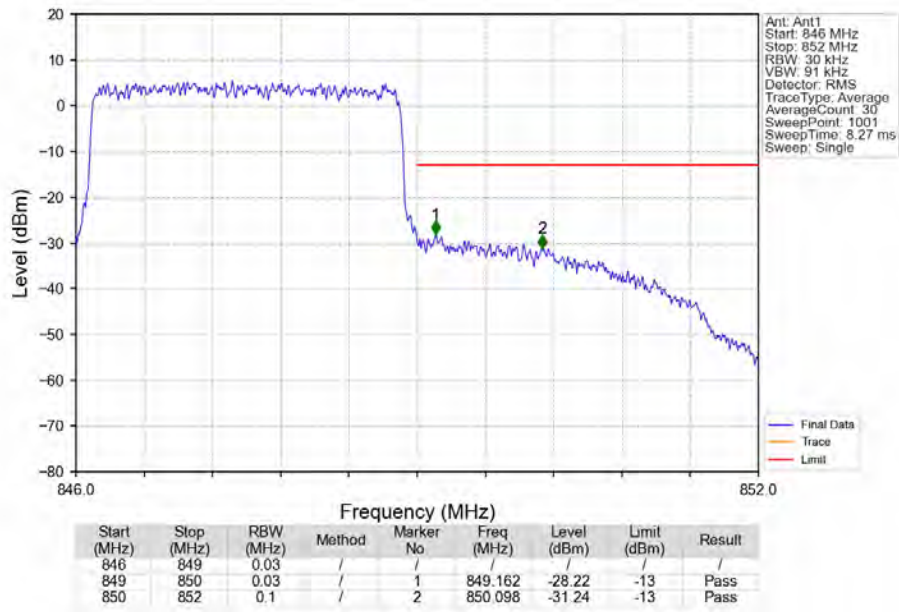
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV



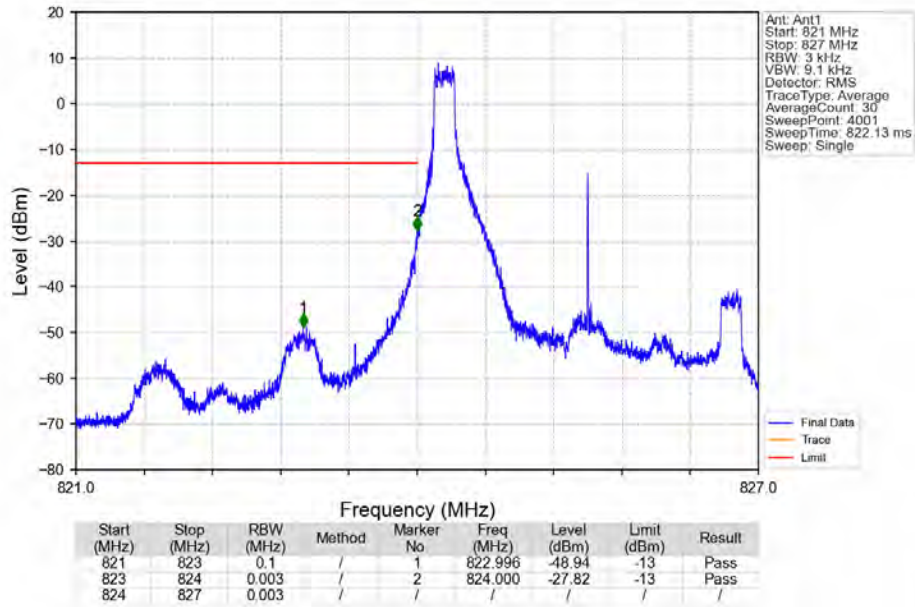
Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTNV



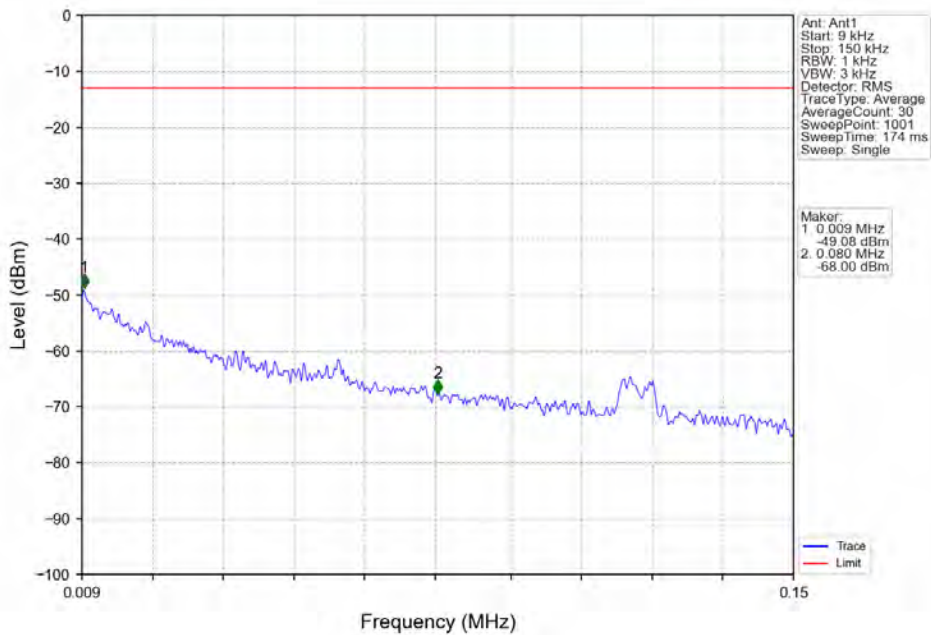
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



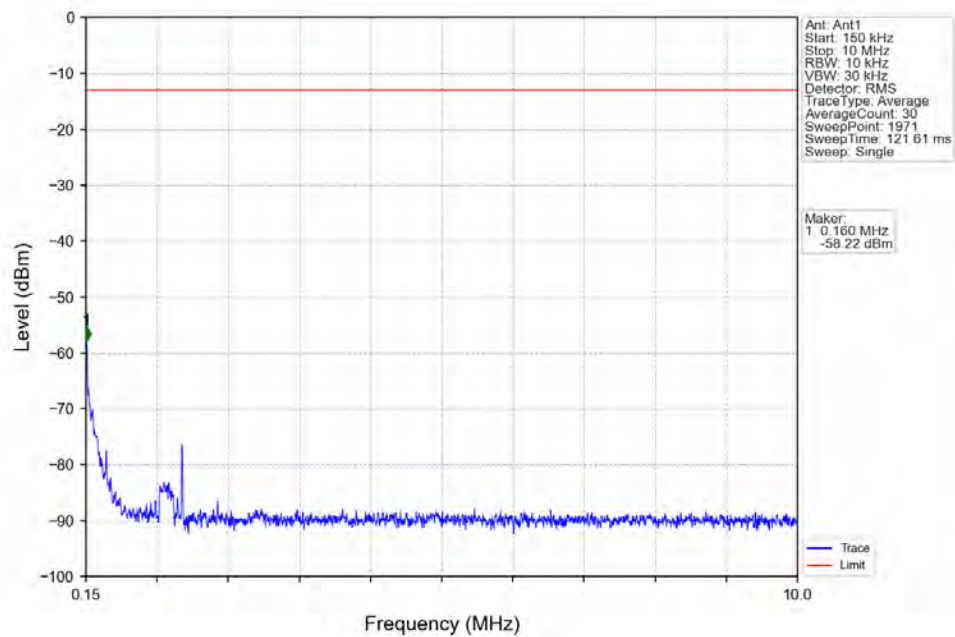
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTNV



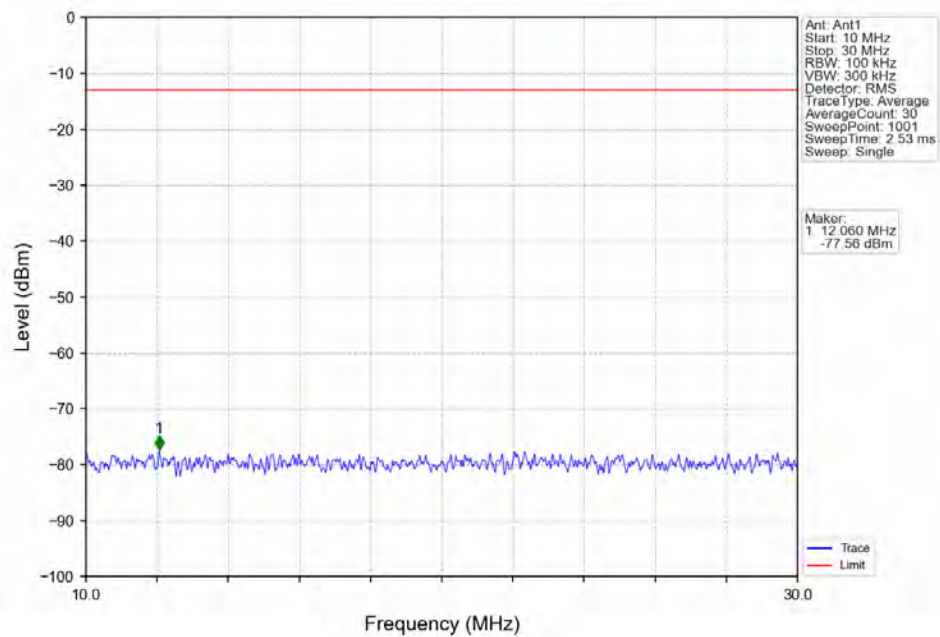
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTNV



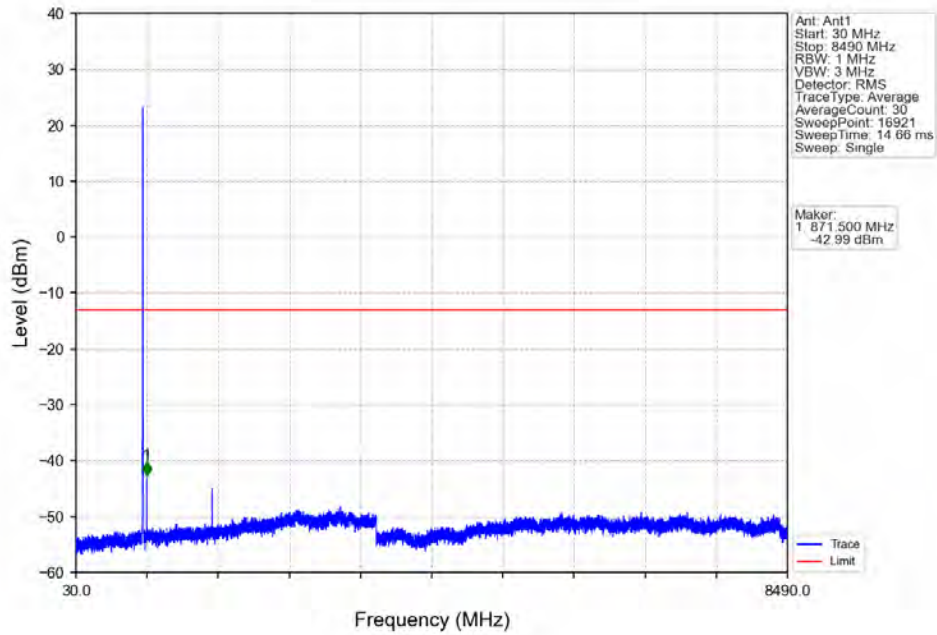
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN



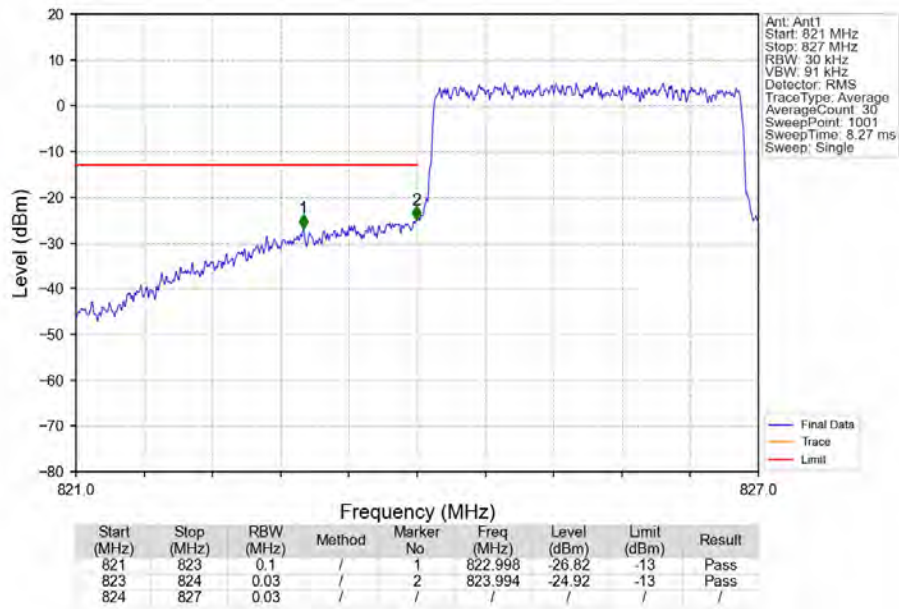
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN



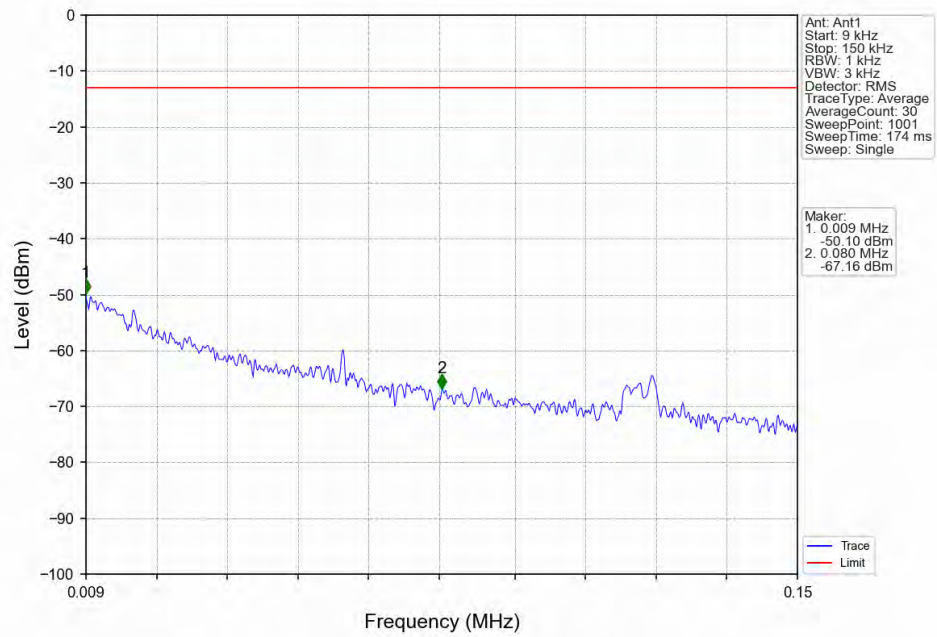
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN



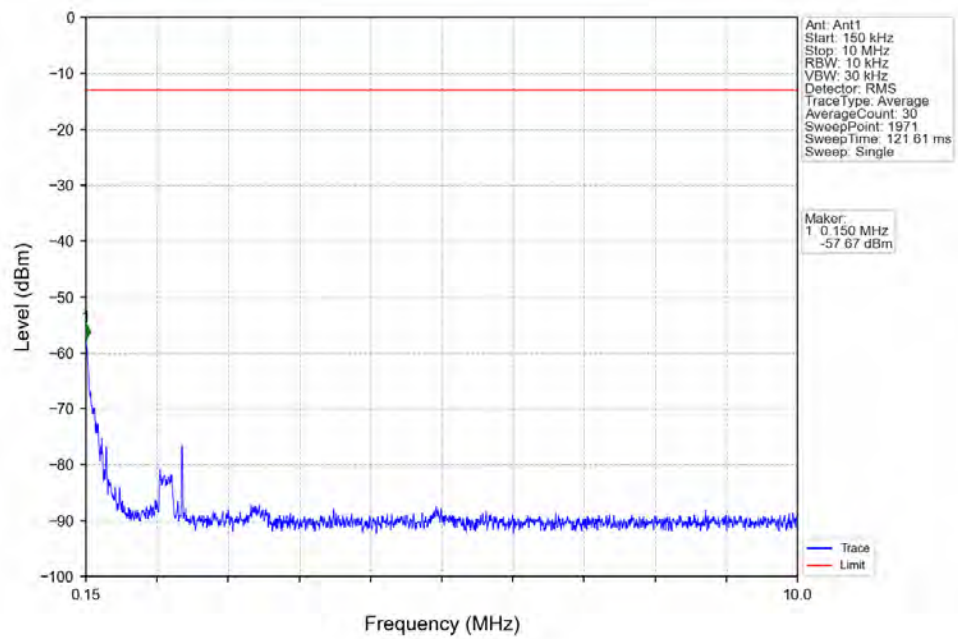
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



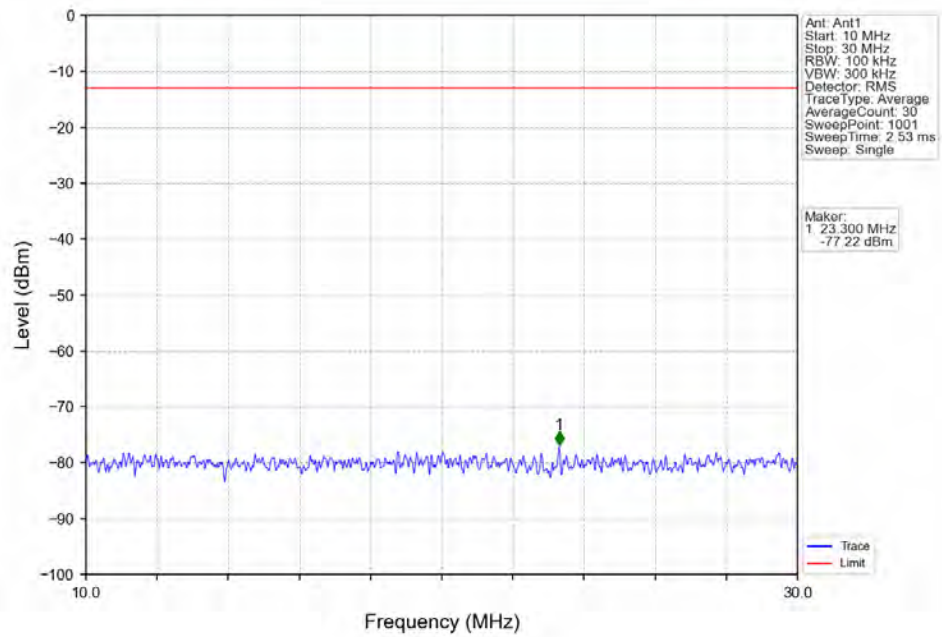
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



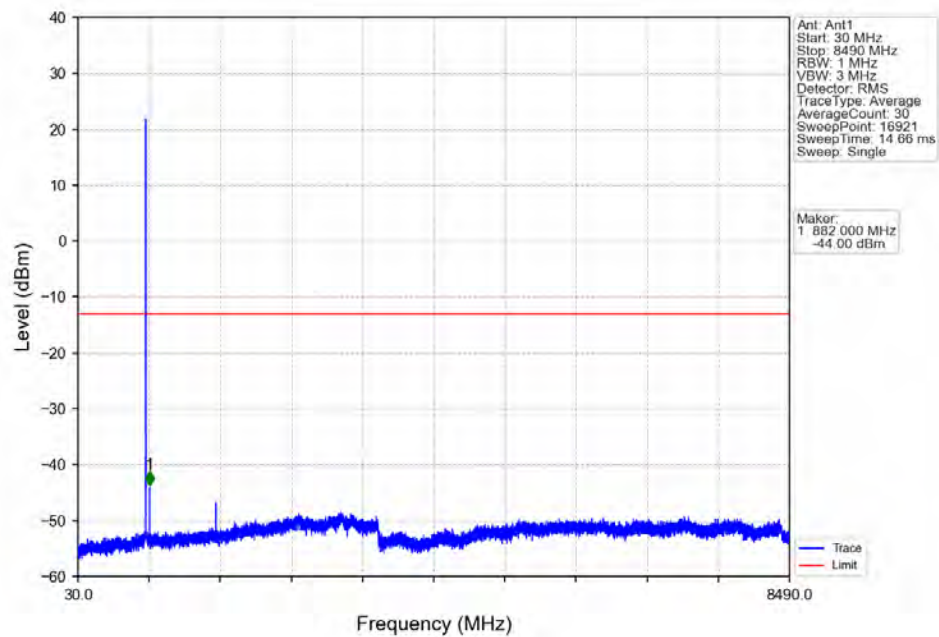
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



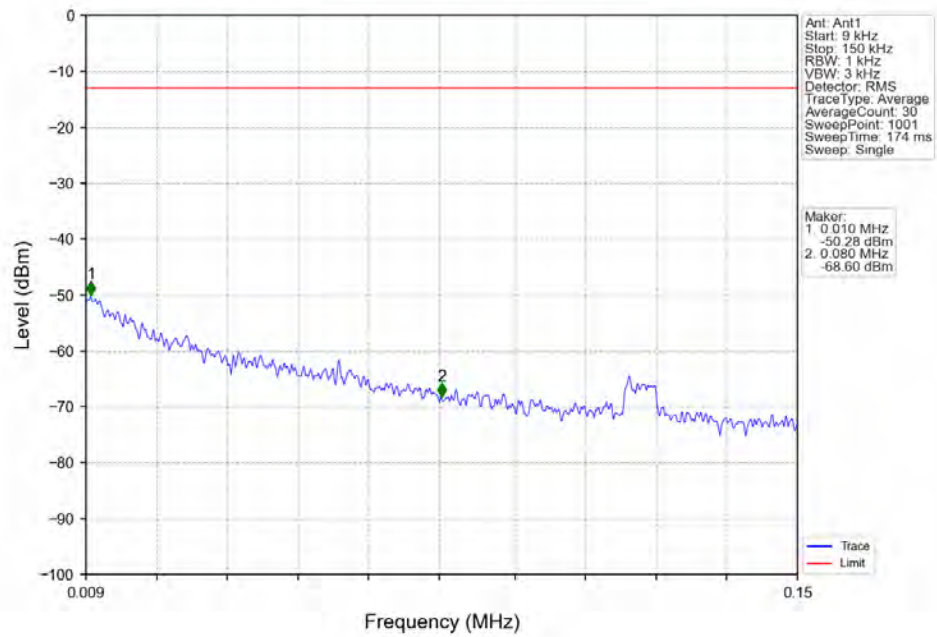
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



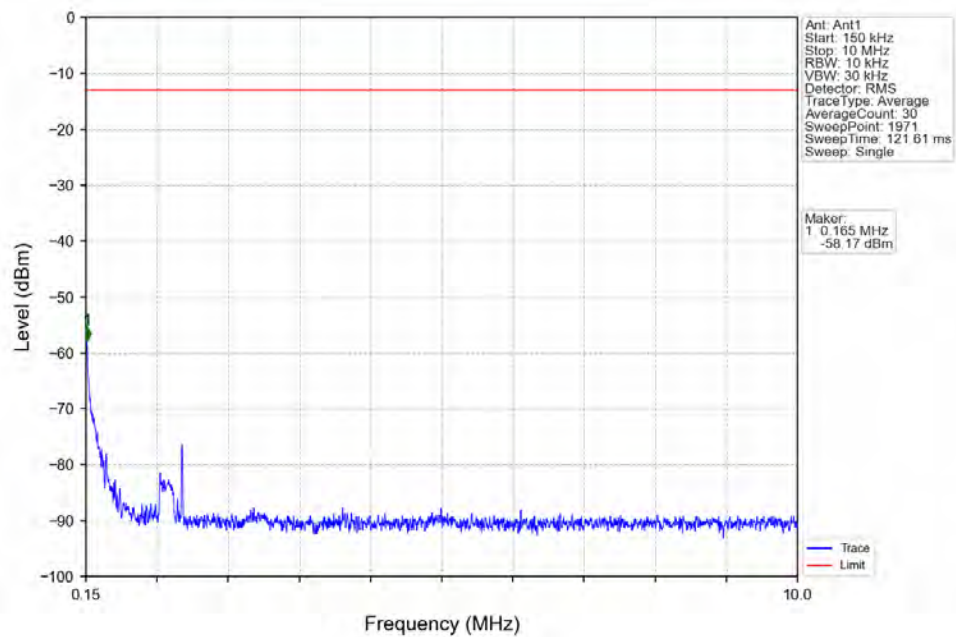
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



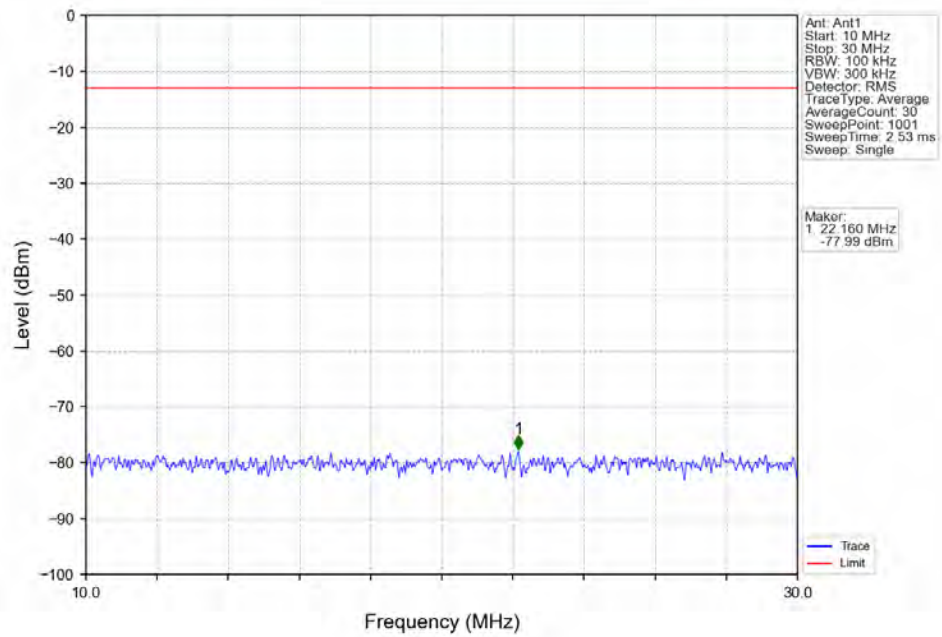
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



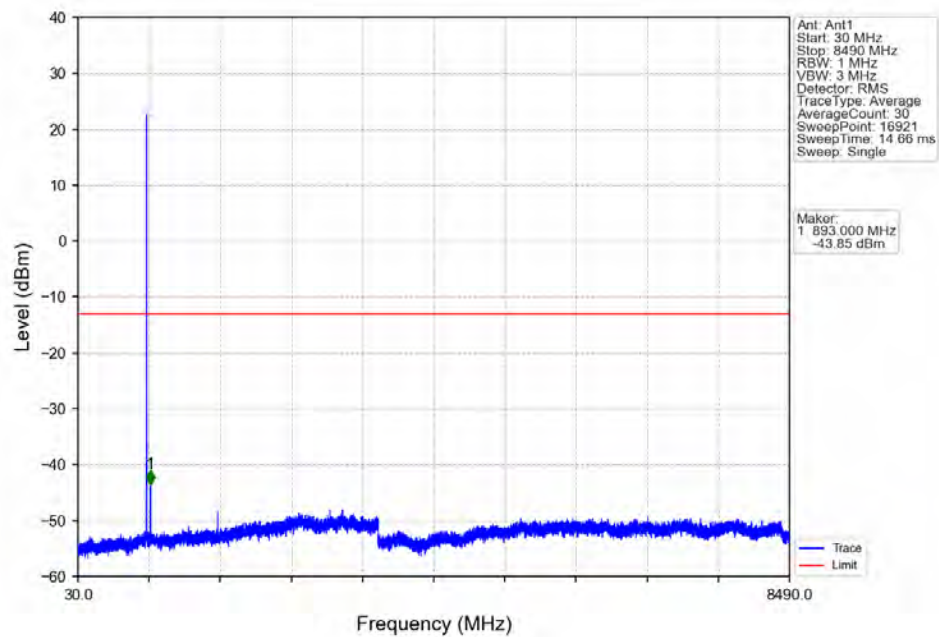
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



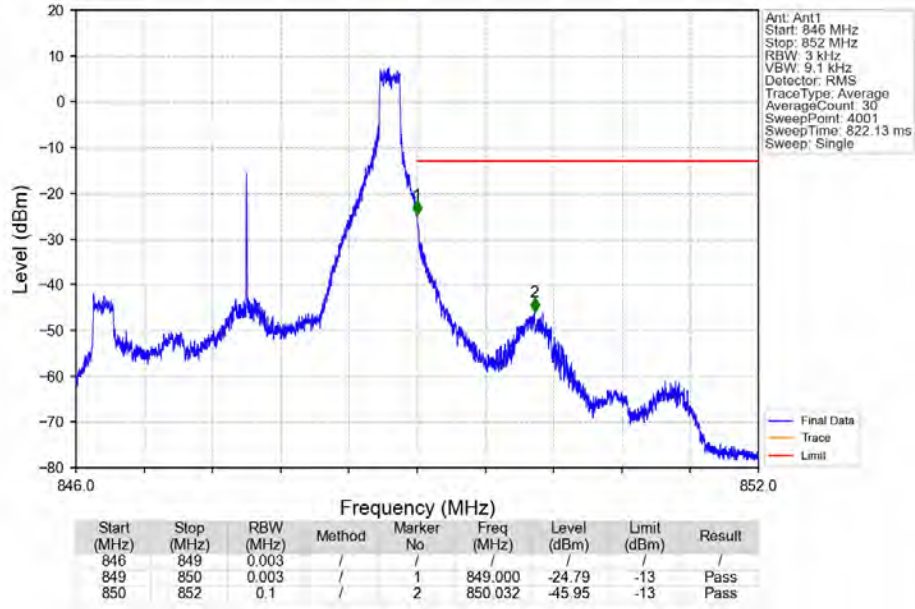
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



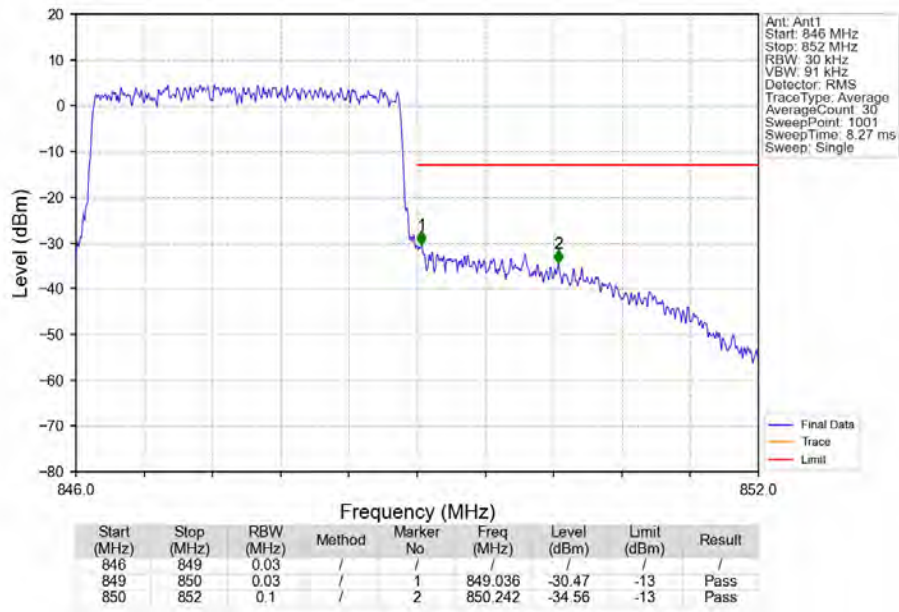
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

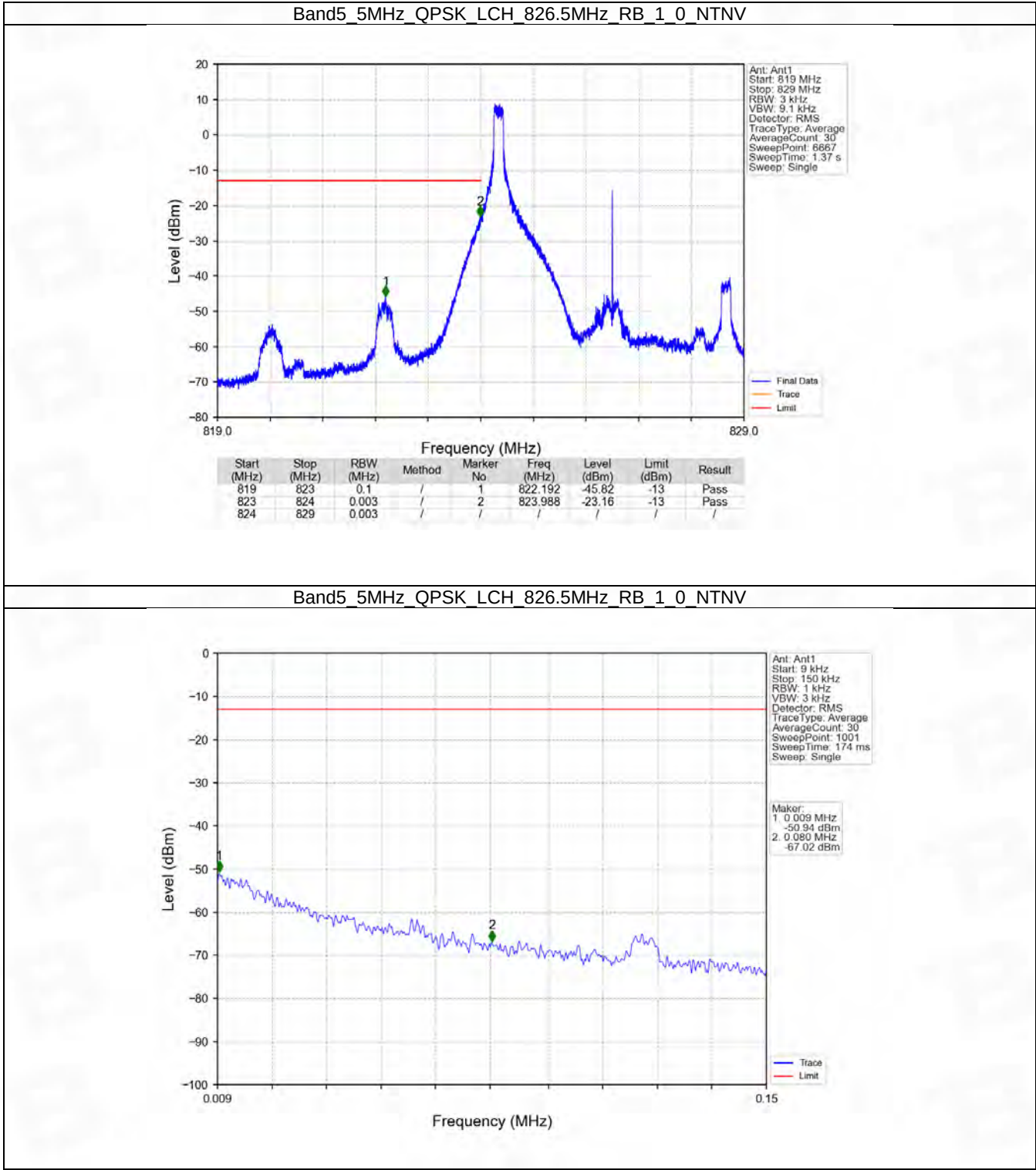


6.3 B5_5MHz

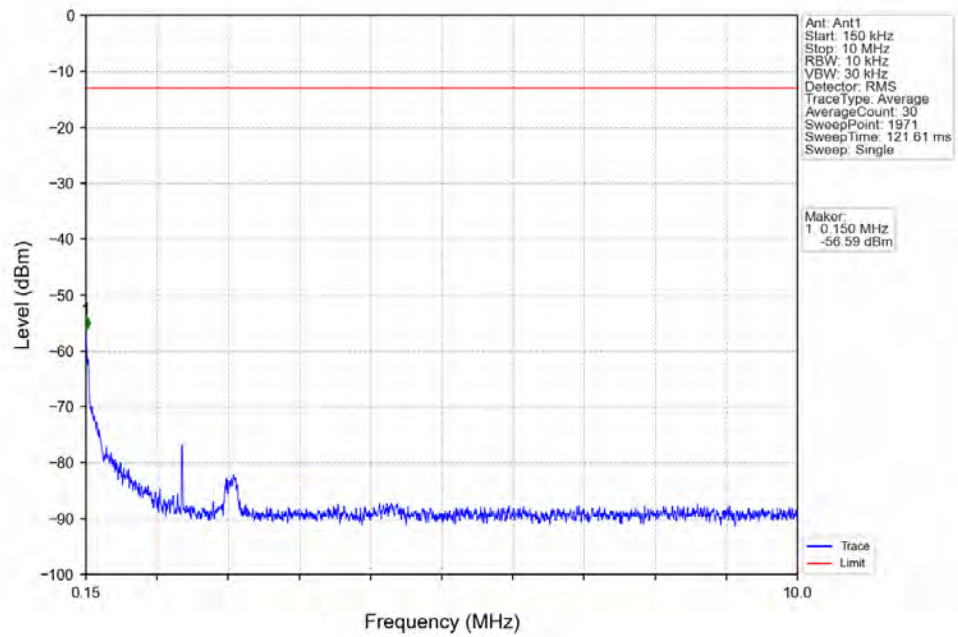
6.3.1 Test Result

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

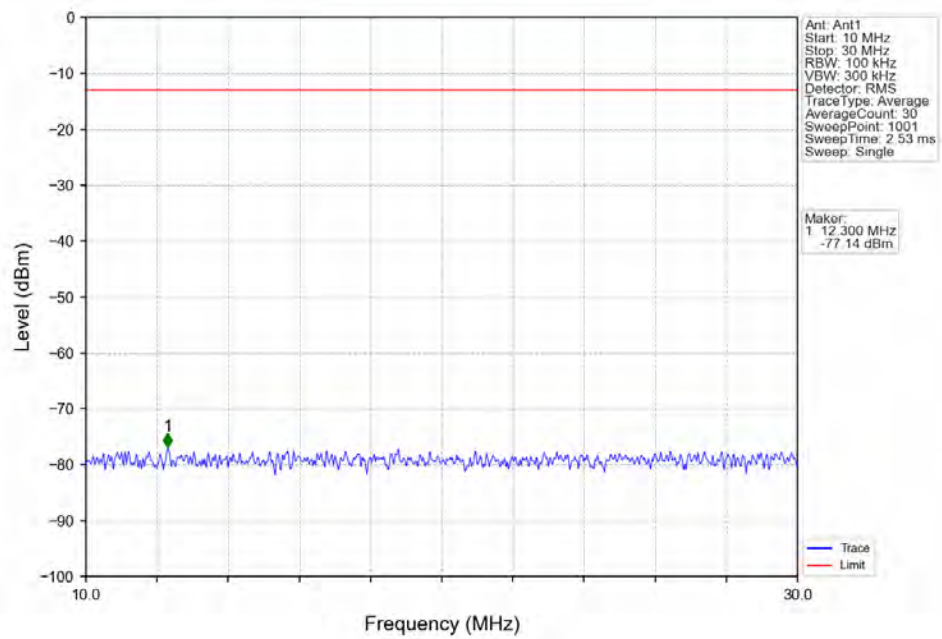
6.3.2 Test Graph



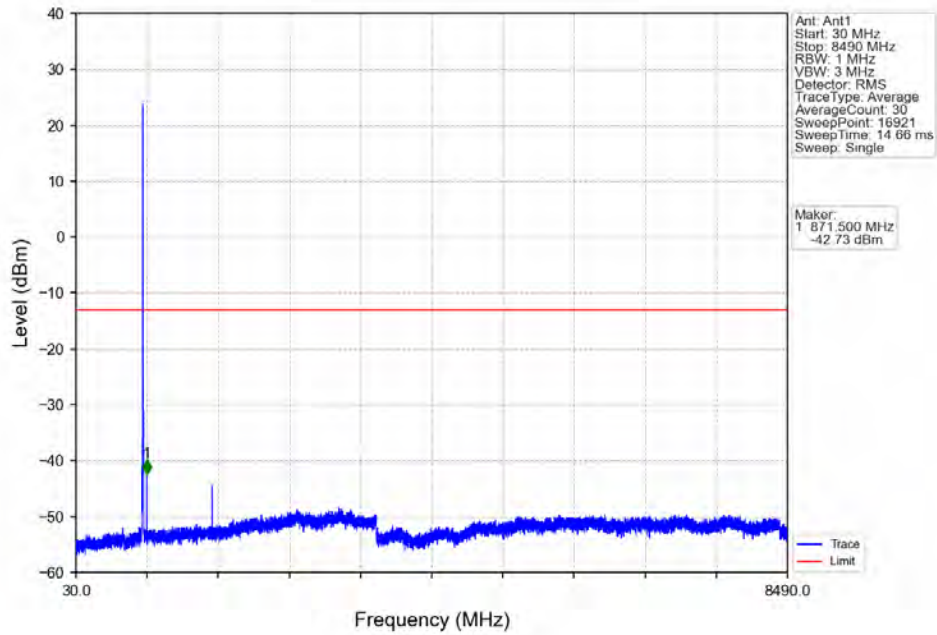
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTN



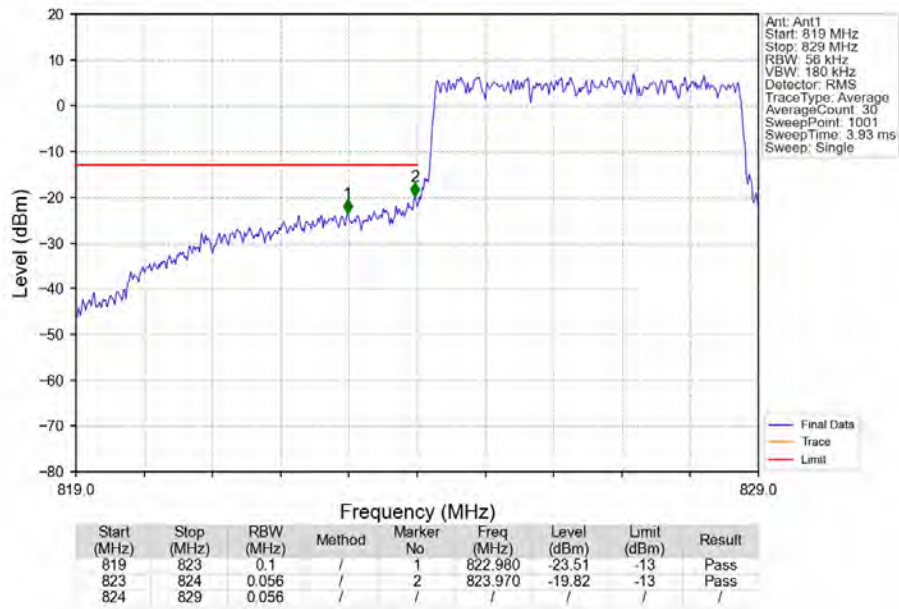
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTN



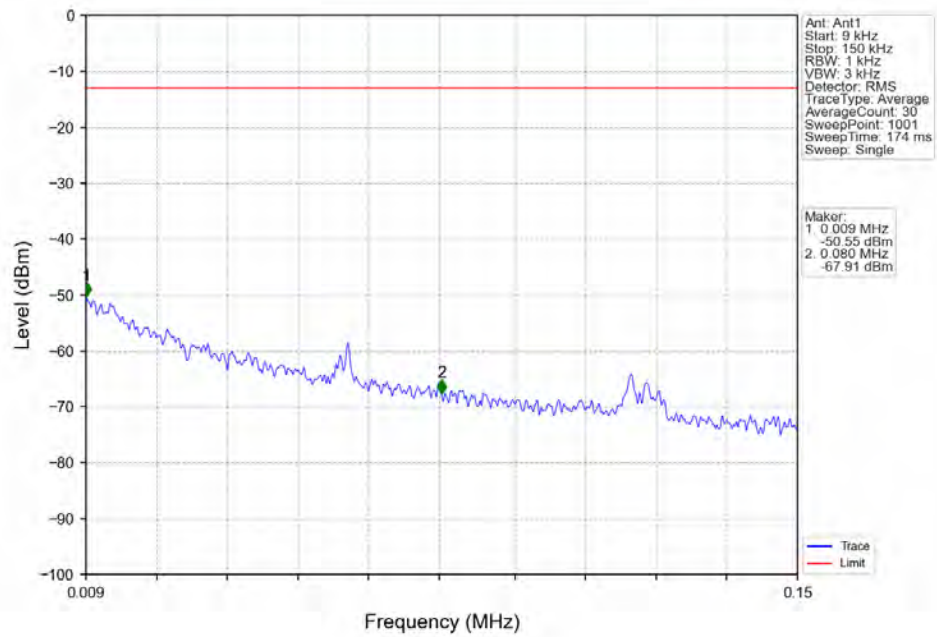
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTNV



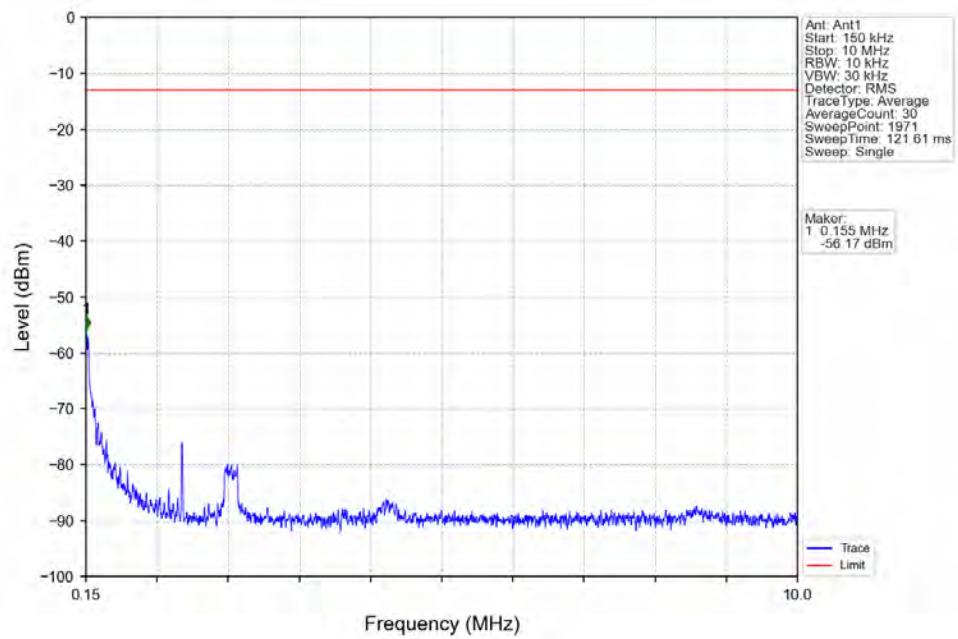
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV



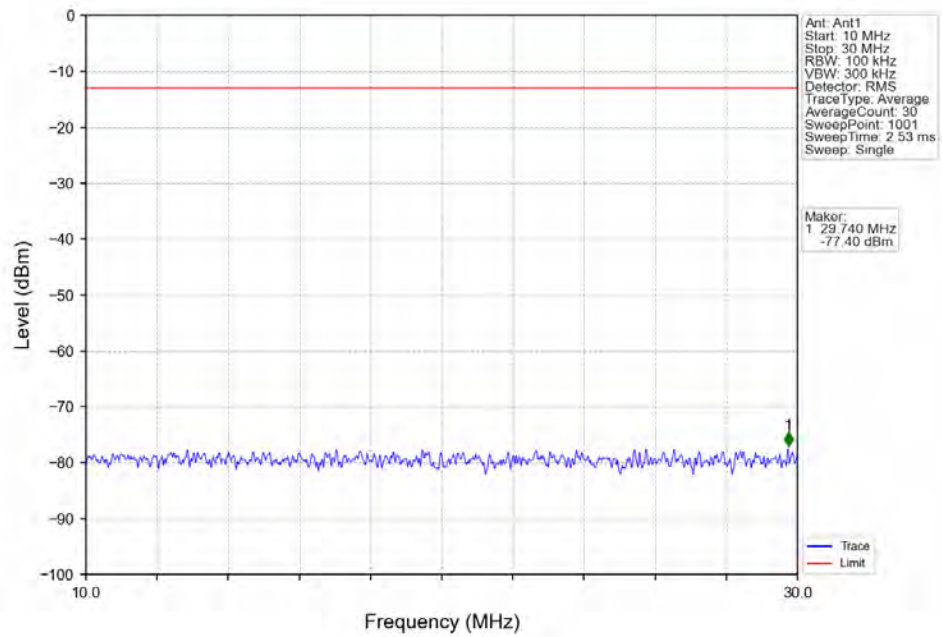
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



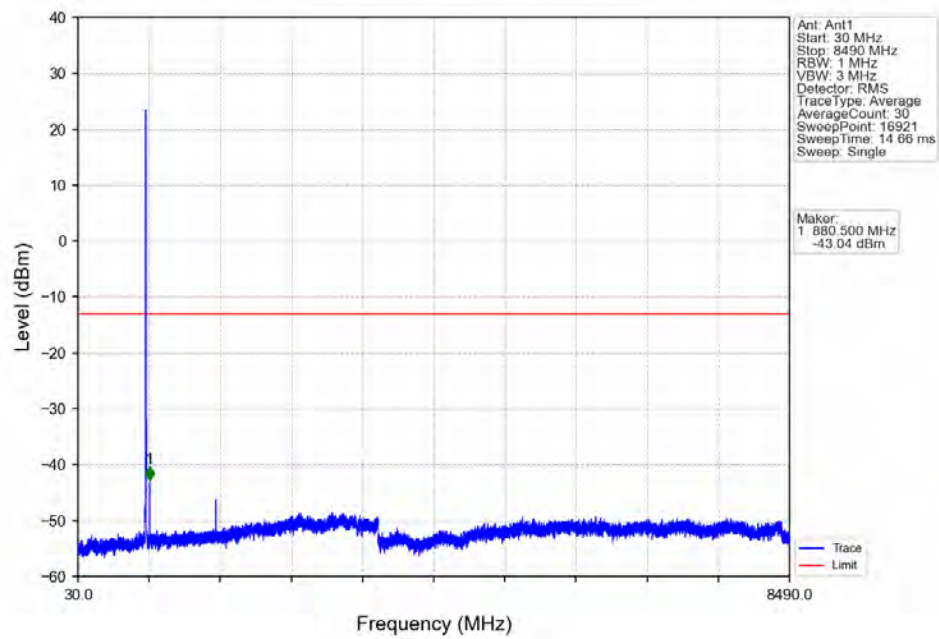
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



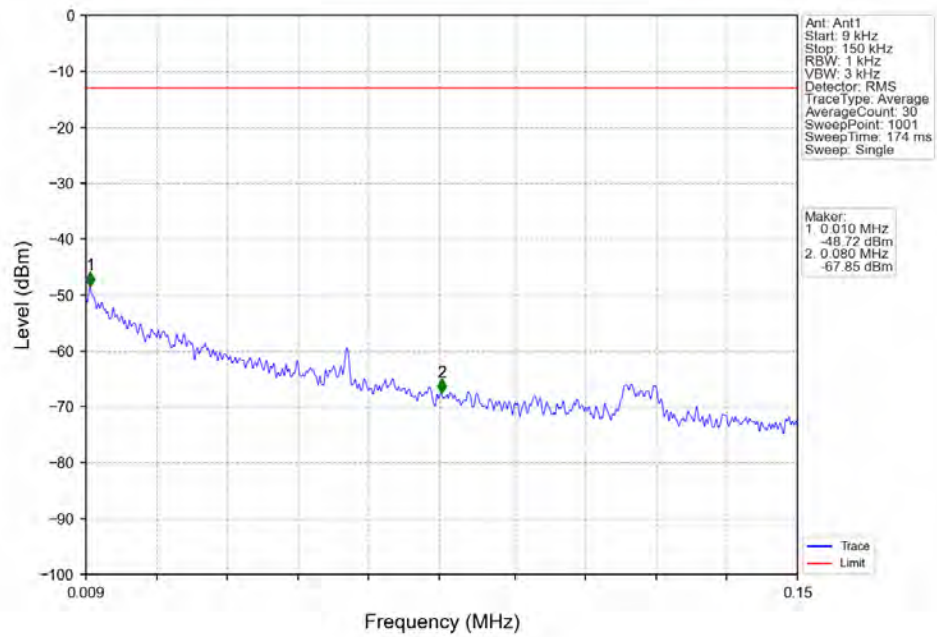
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



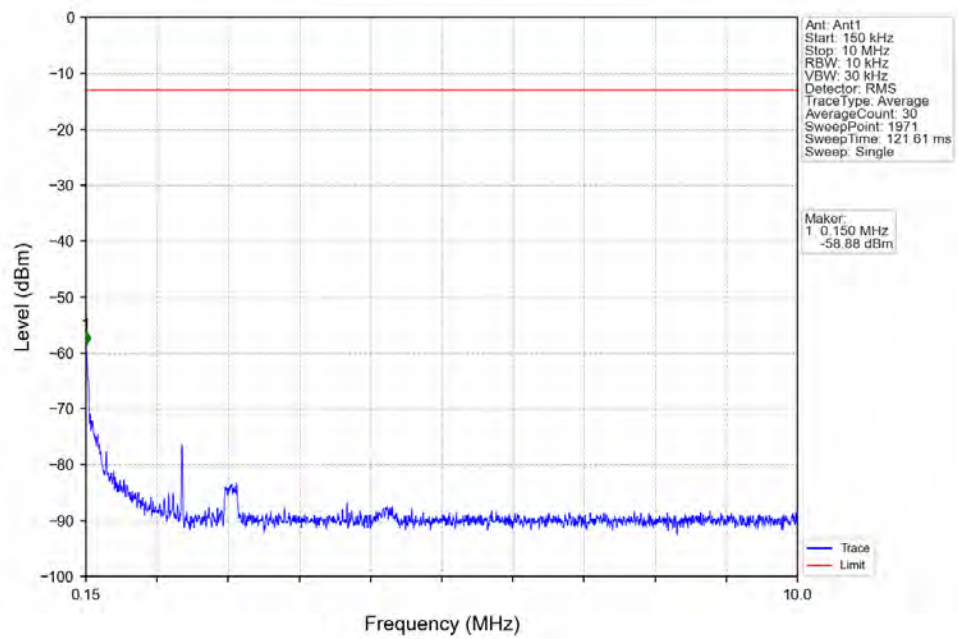
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



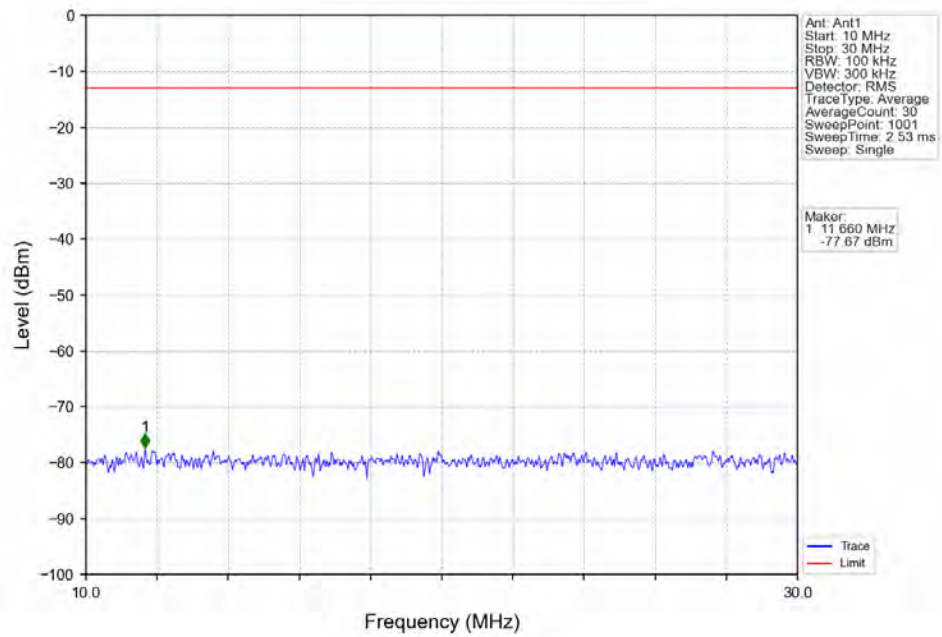
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV



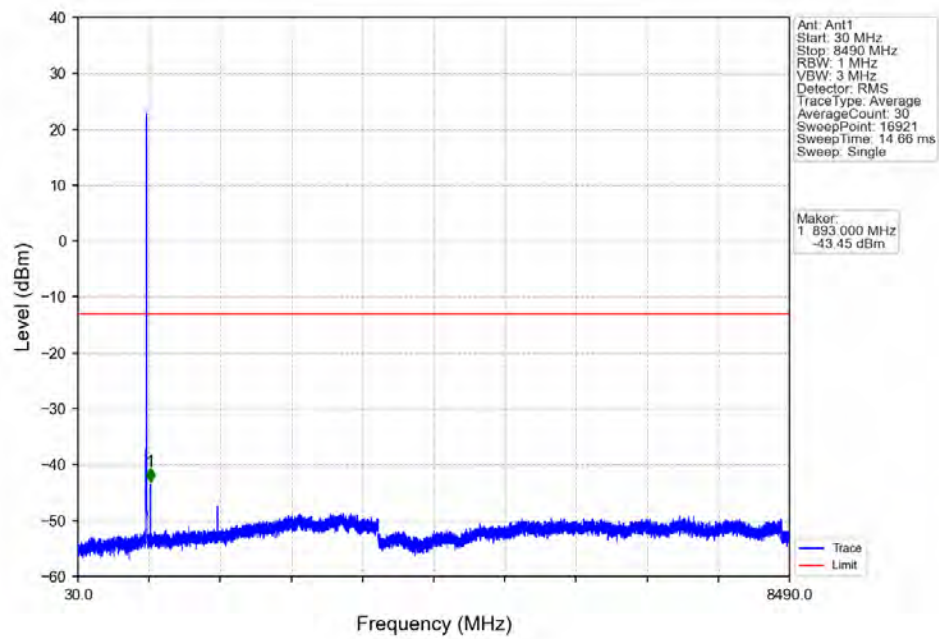
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV



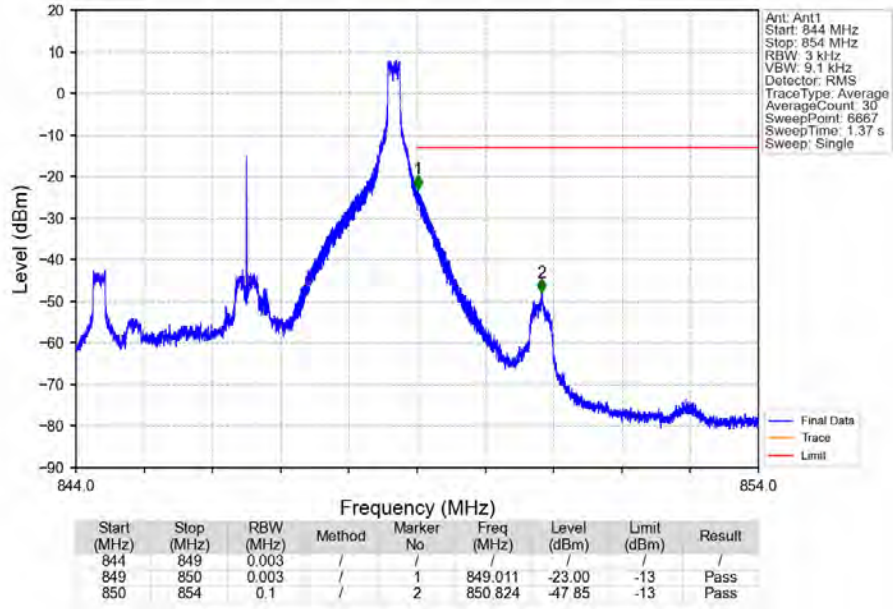
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV



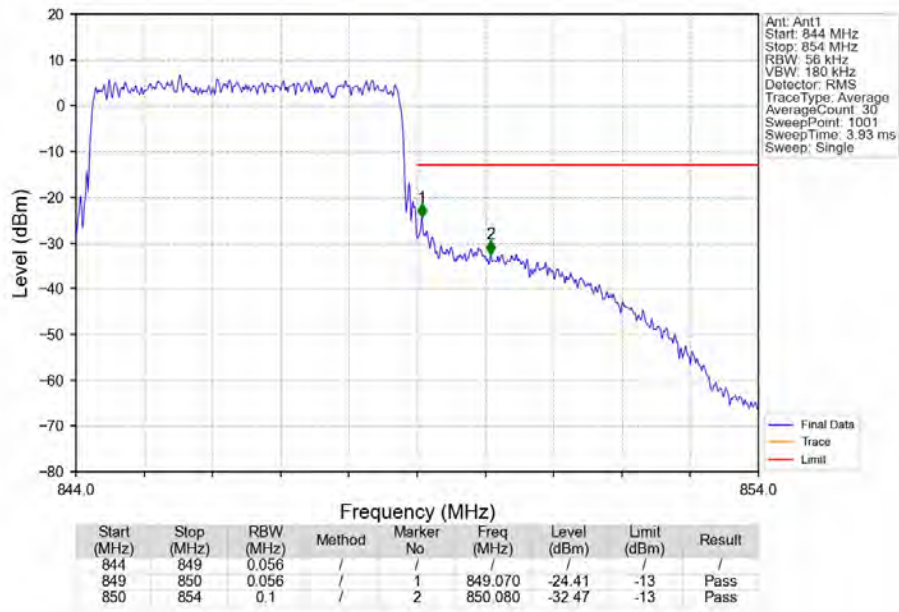
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV



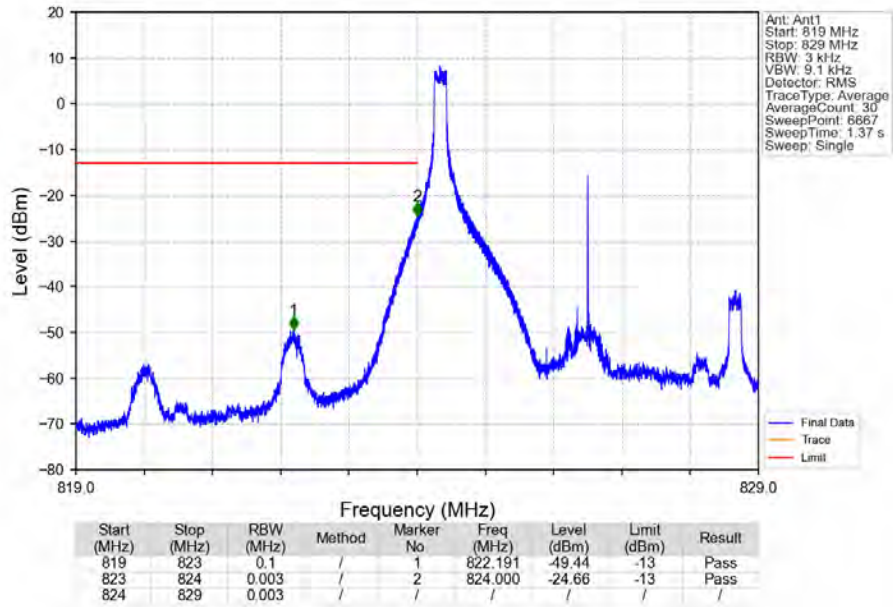
Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTN



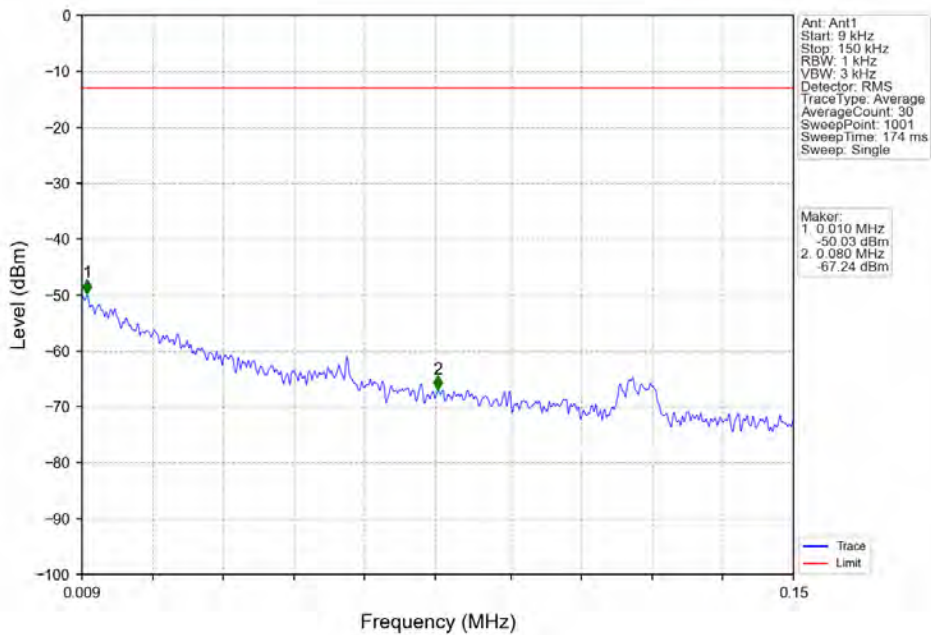
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



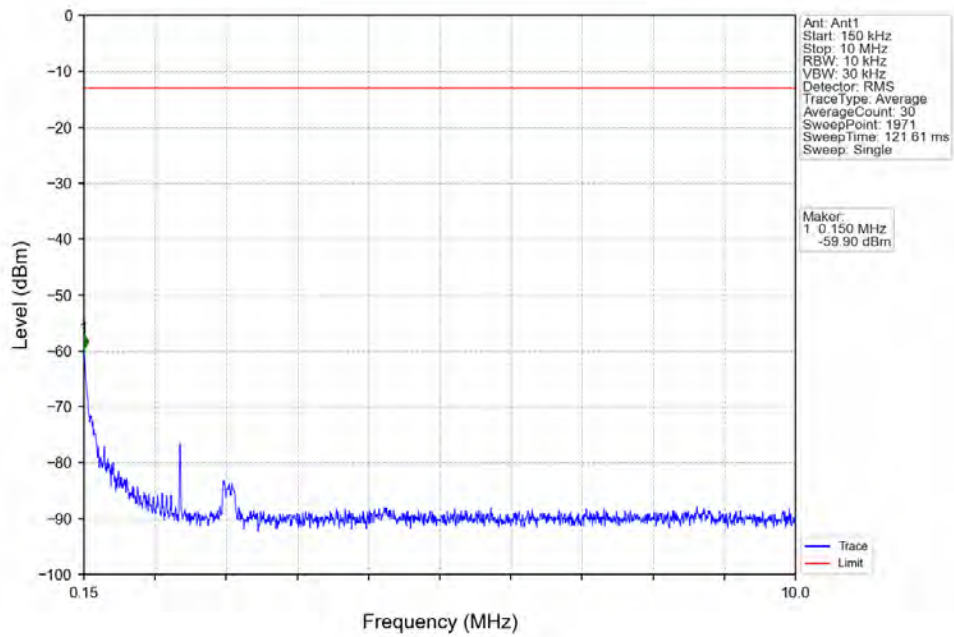
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



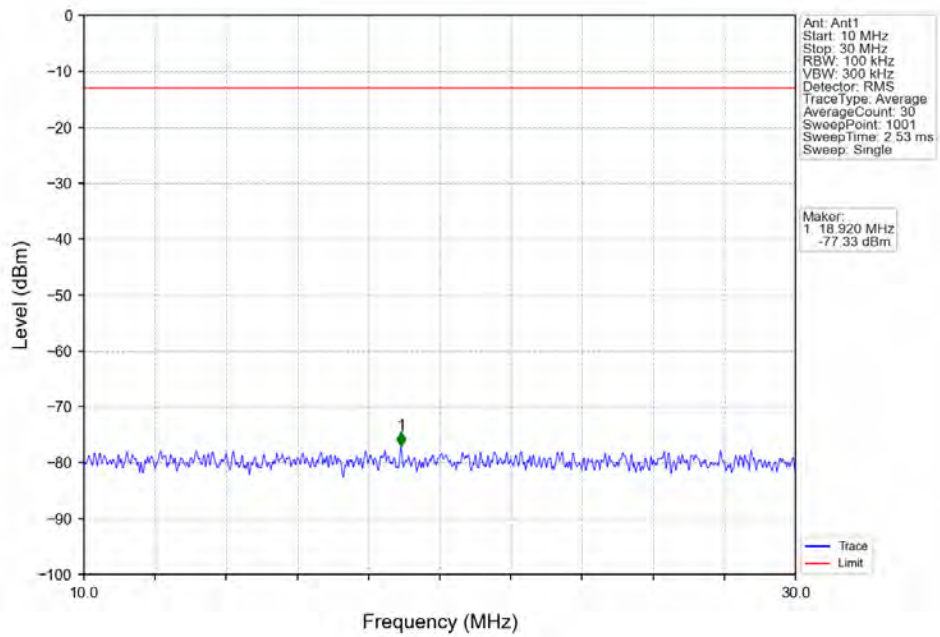
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



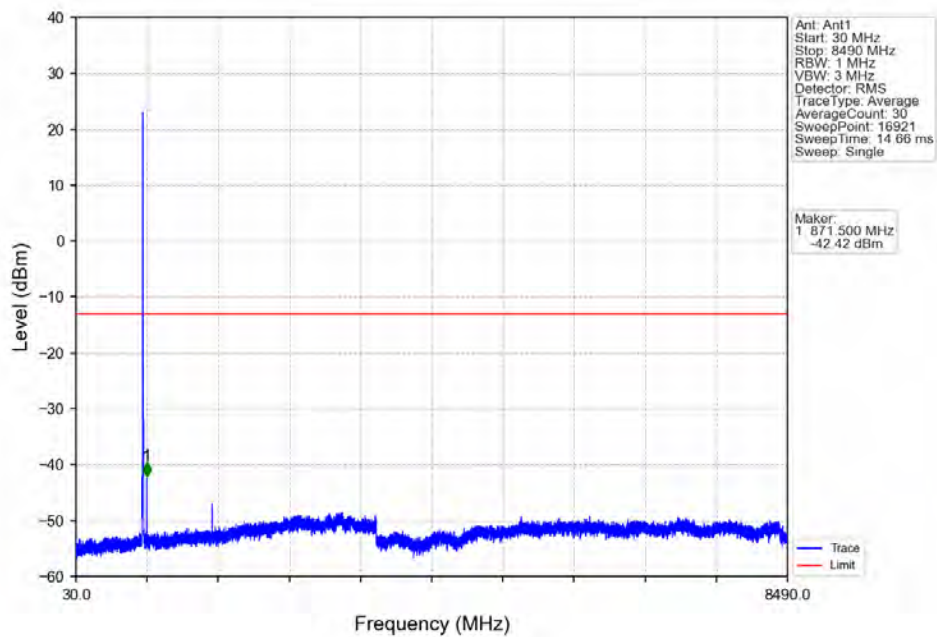
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTN



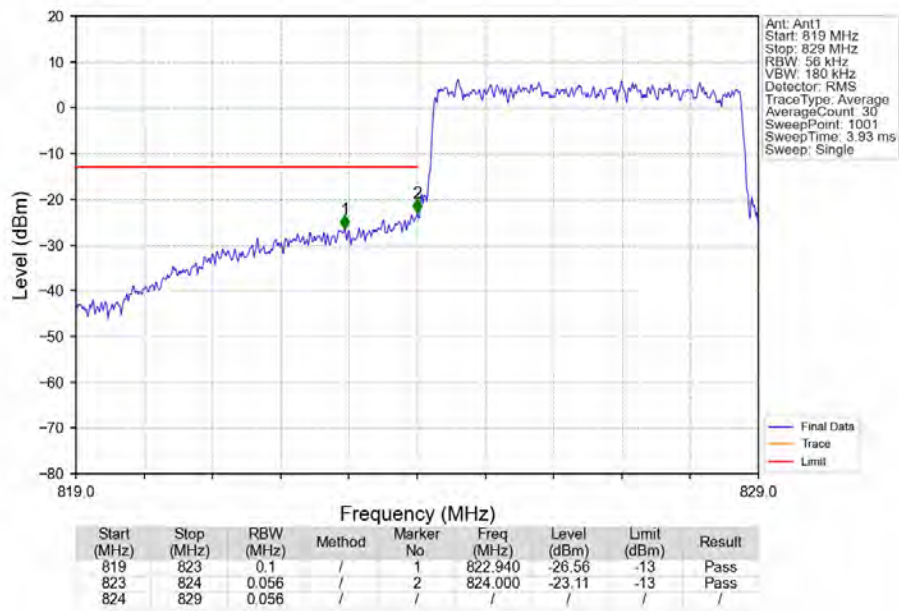
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTN



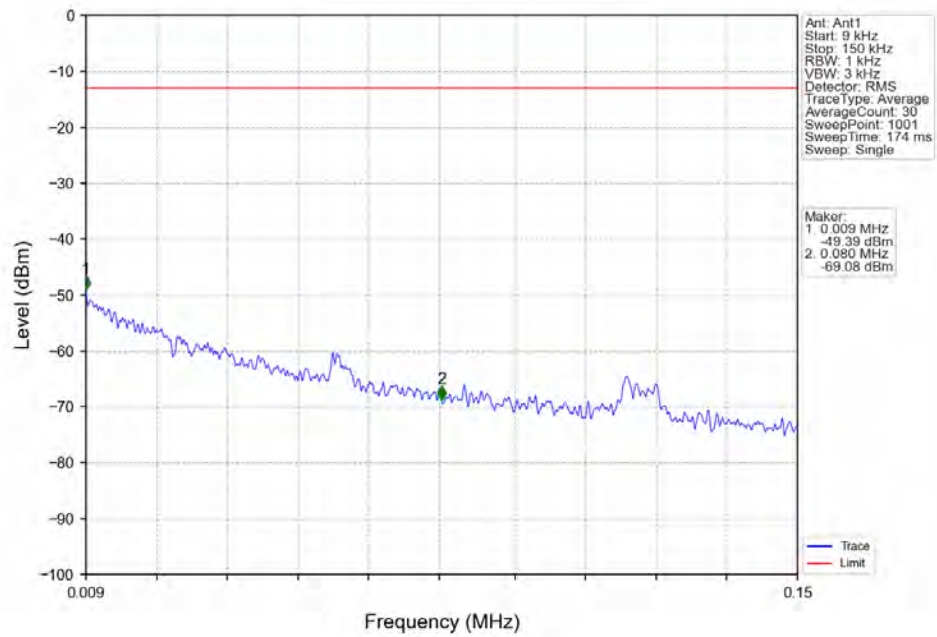
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



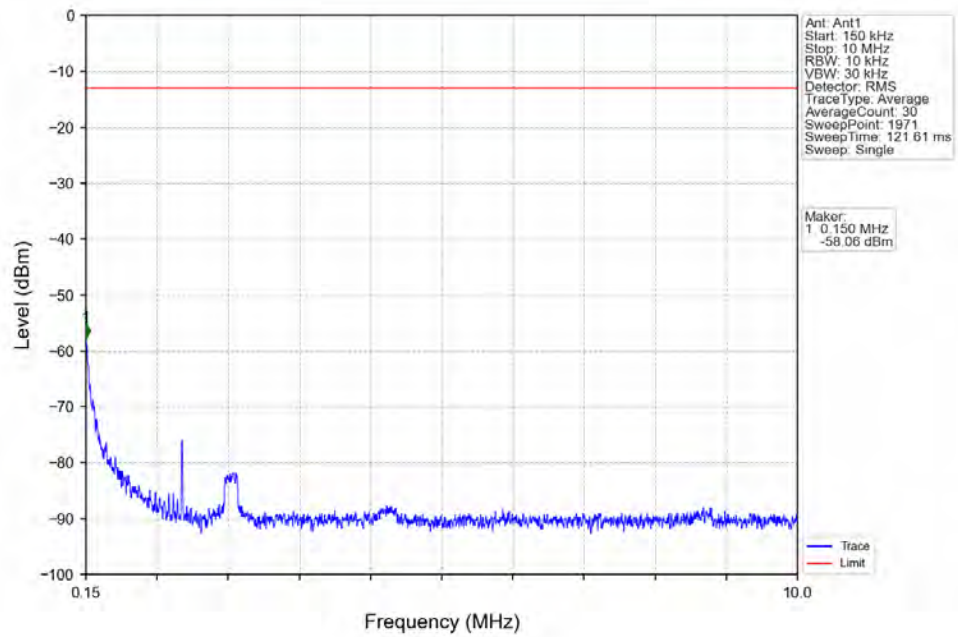
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



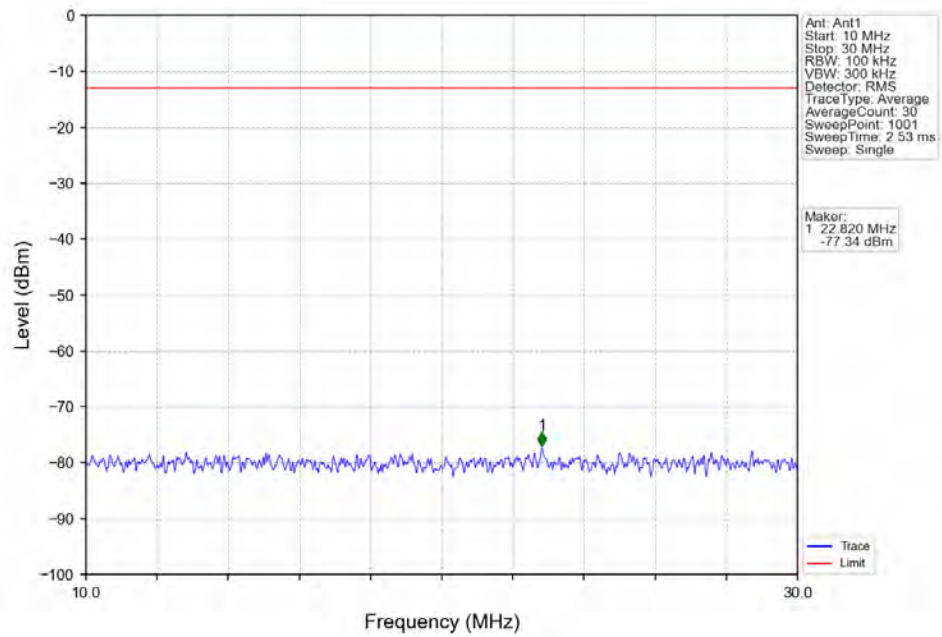
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



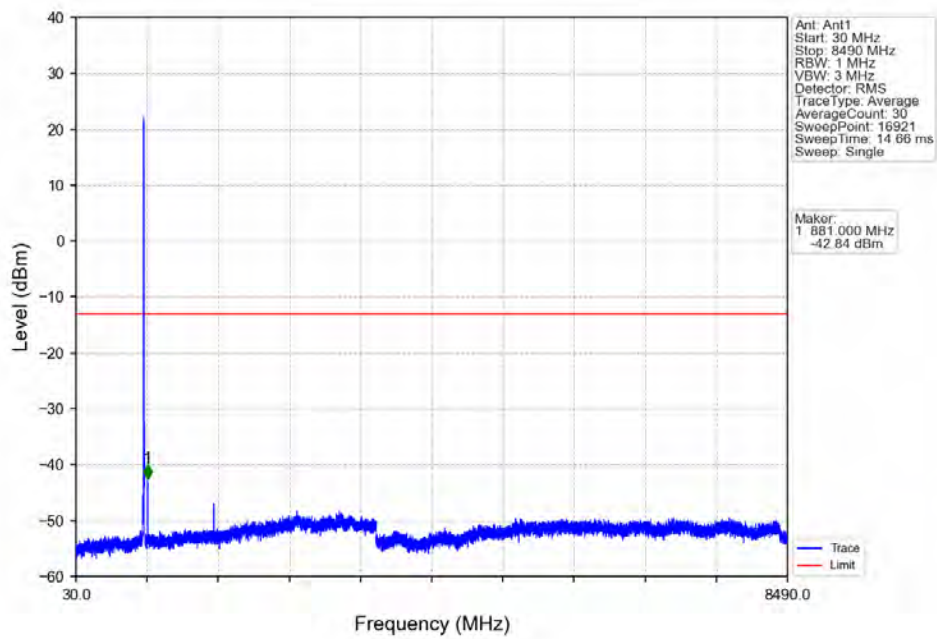
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



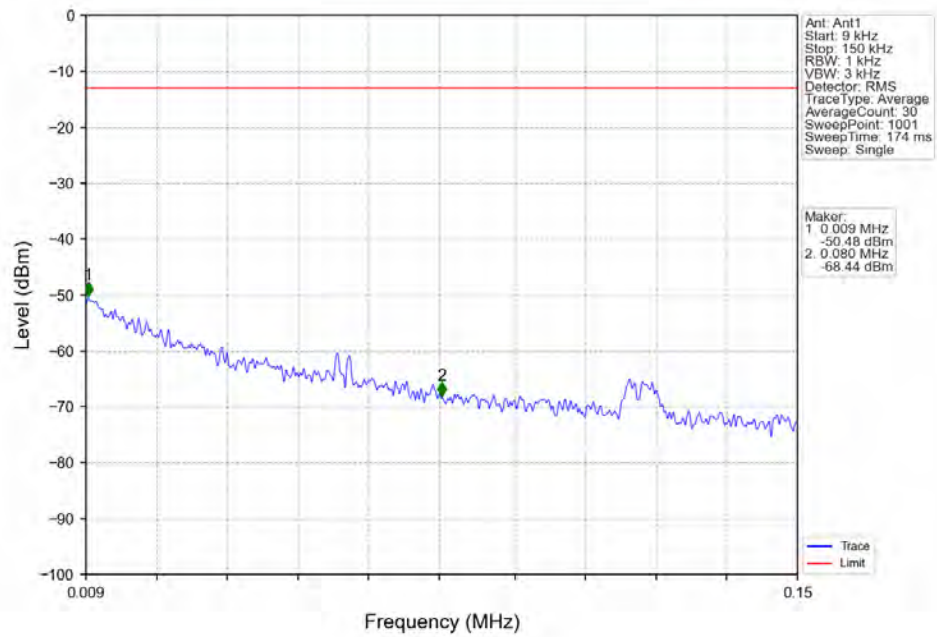
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



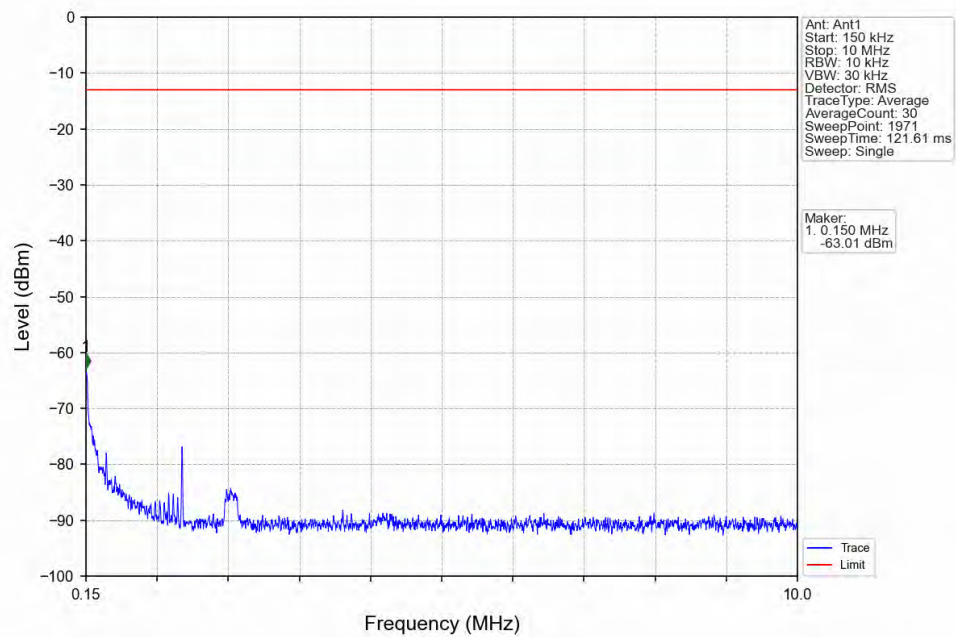
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



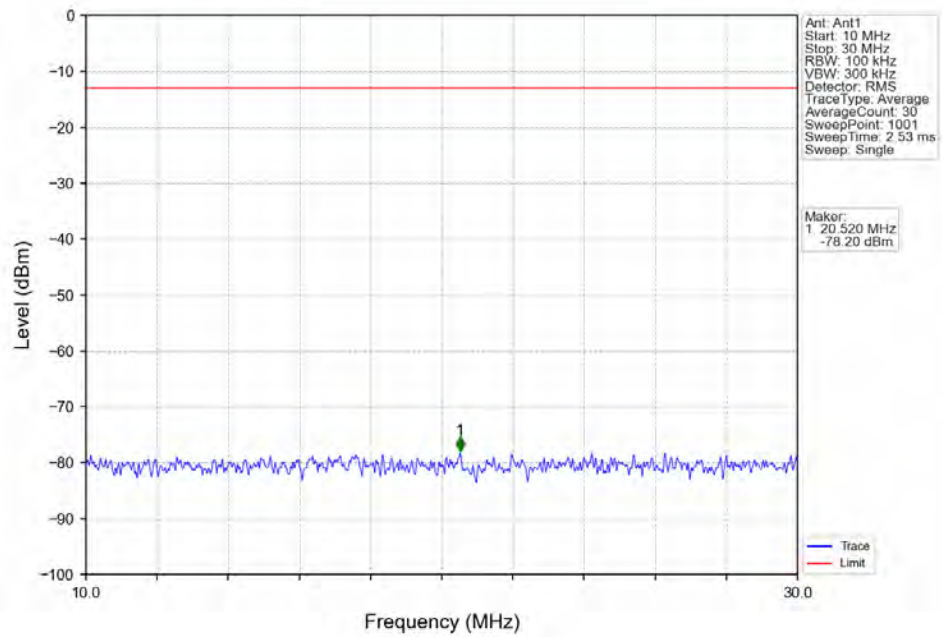
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



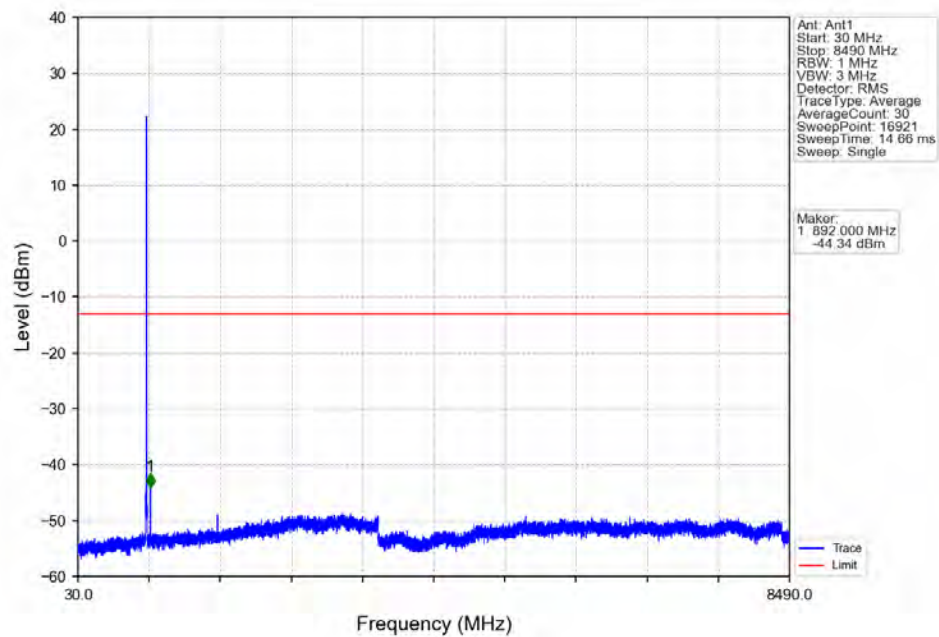
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



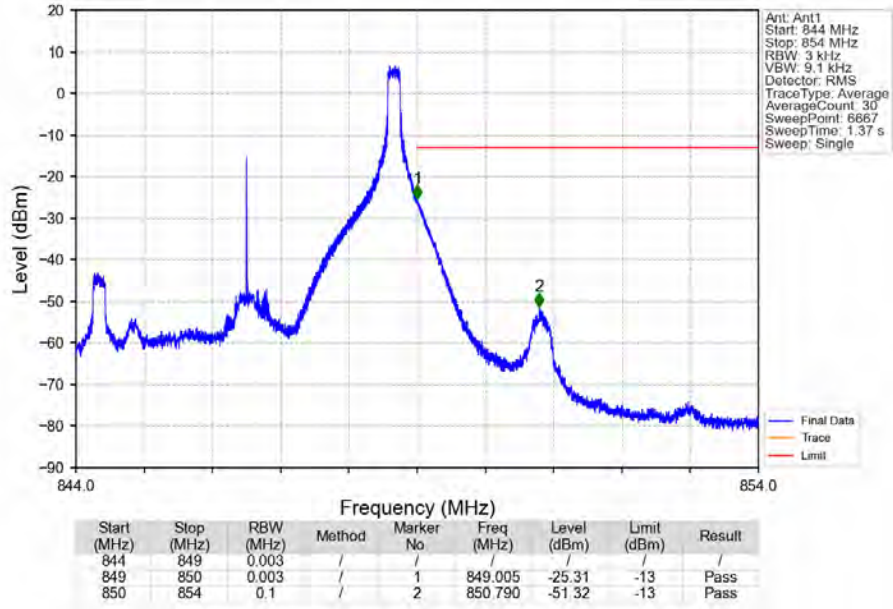
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



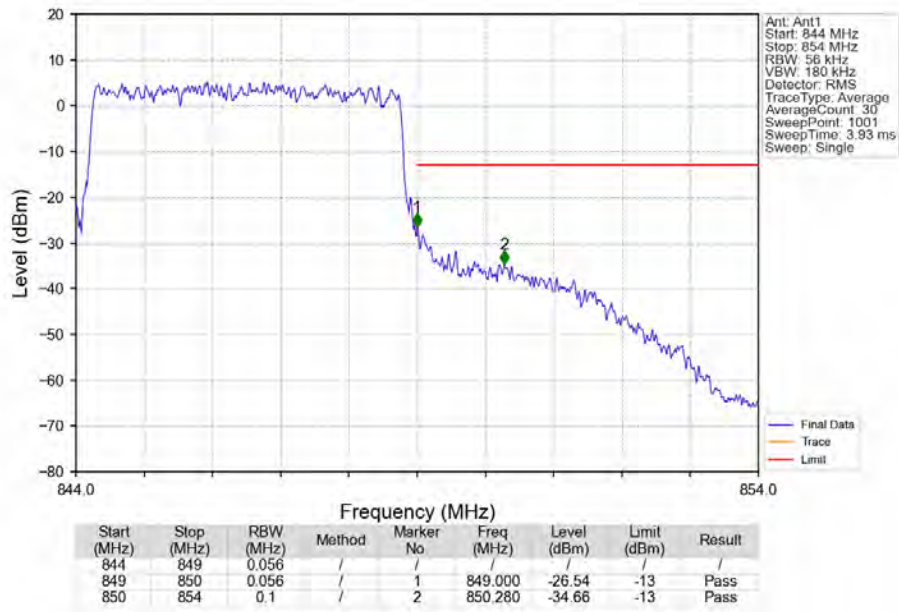
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

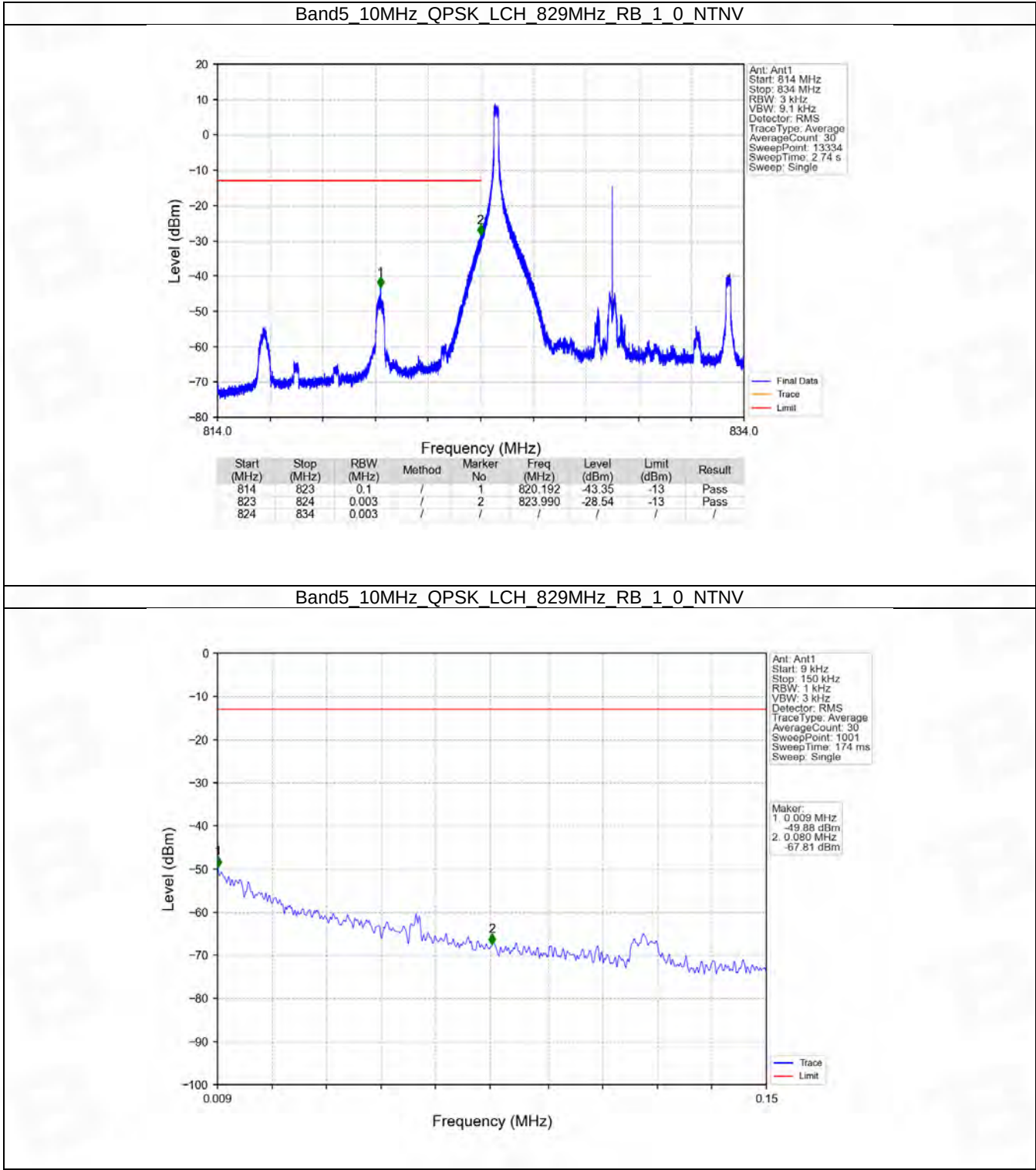


6.4 B5_10MHz

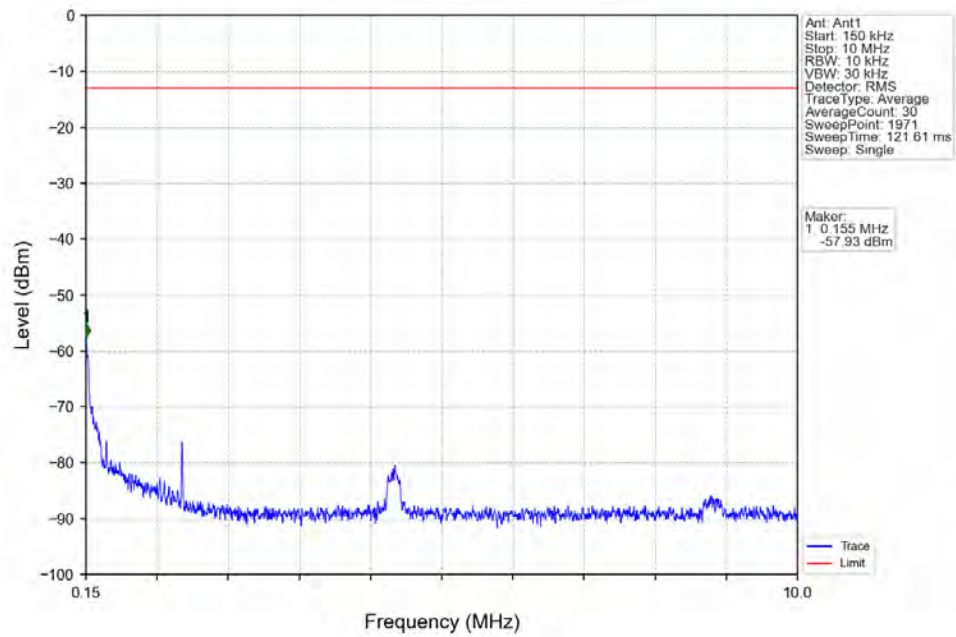
6.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTVN						
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

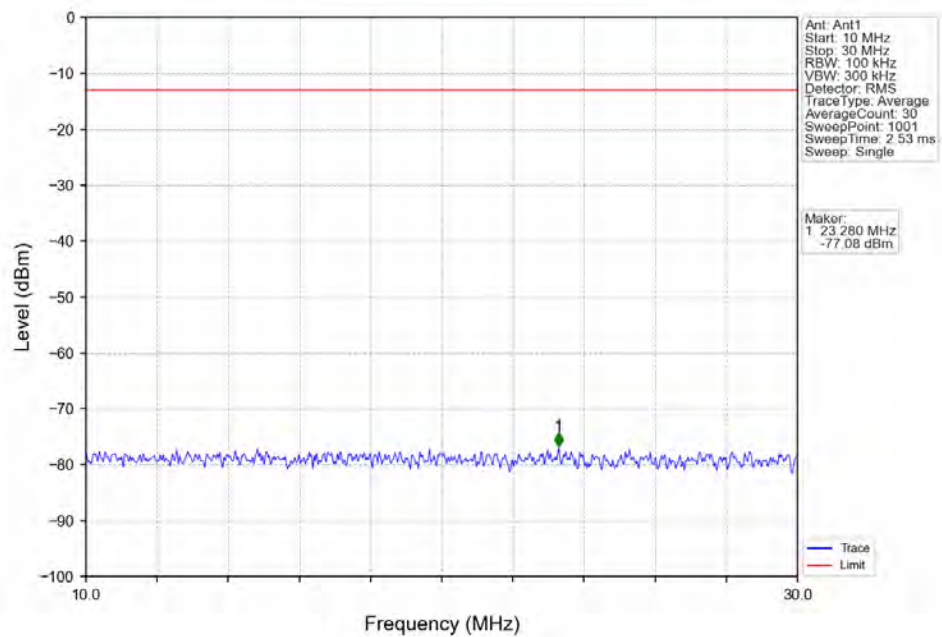
6.4.2 Test Graph



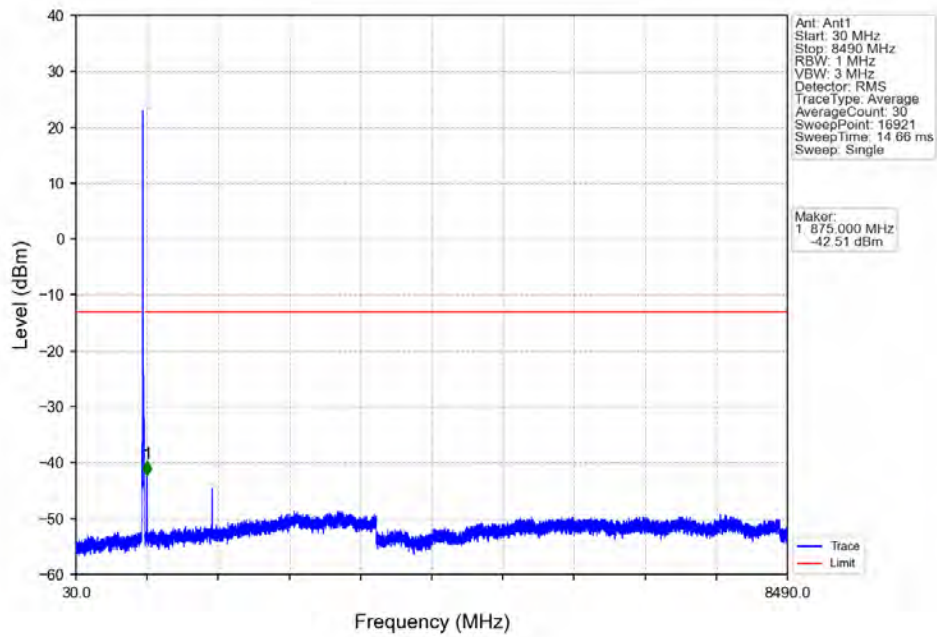
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



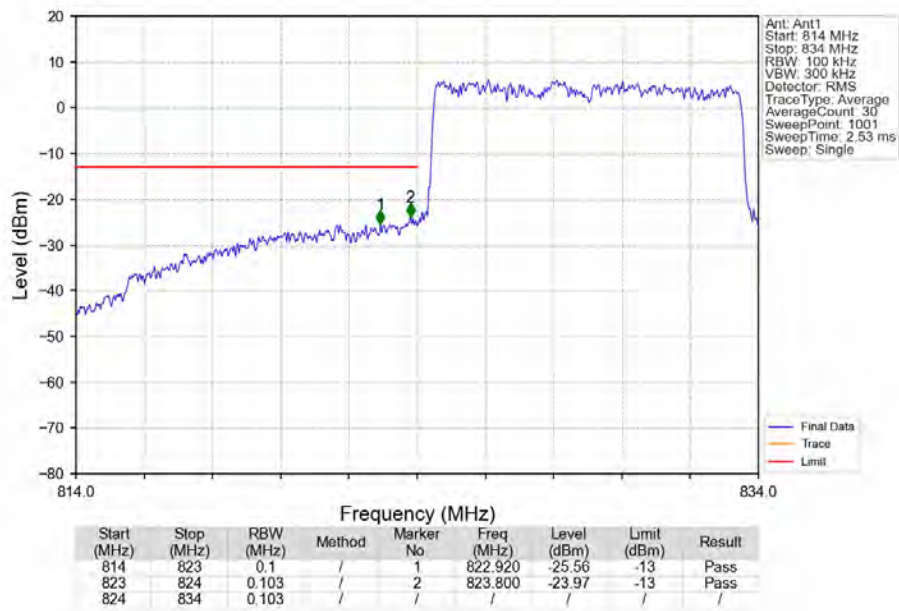
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



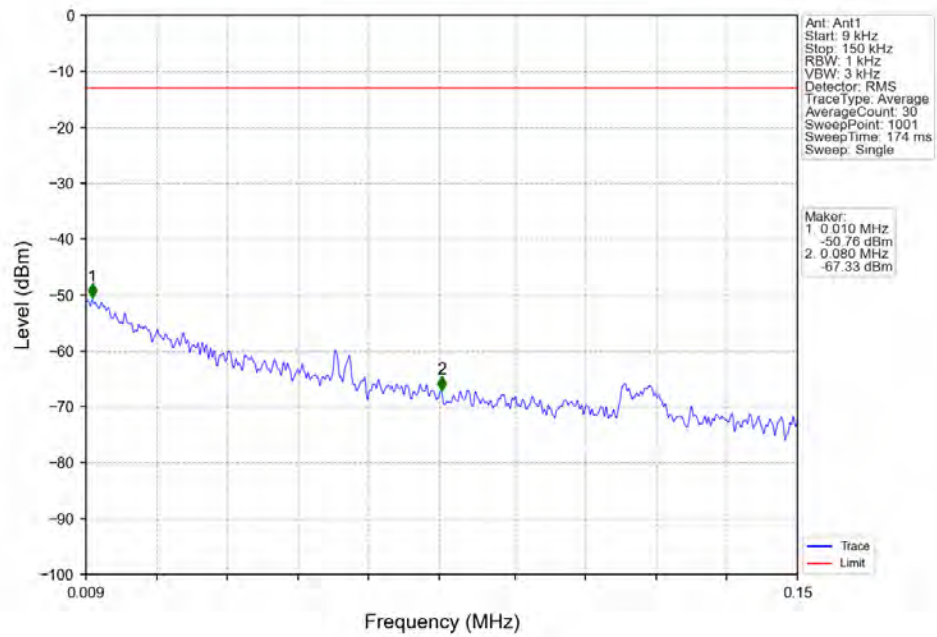
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



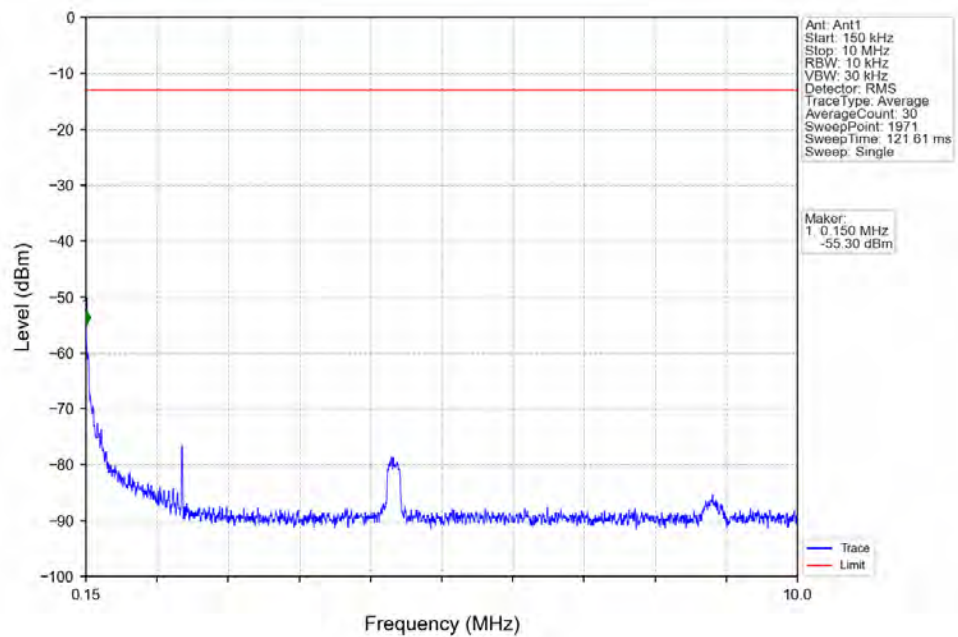
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



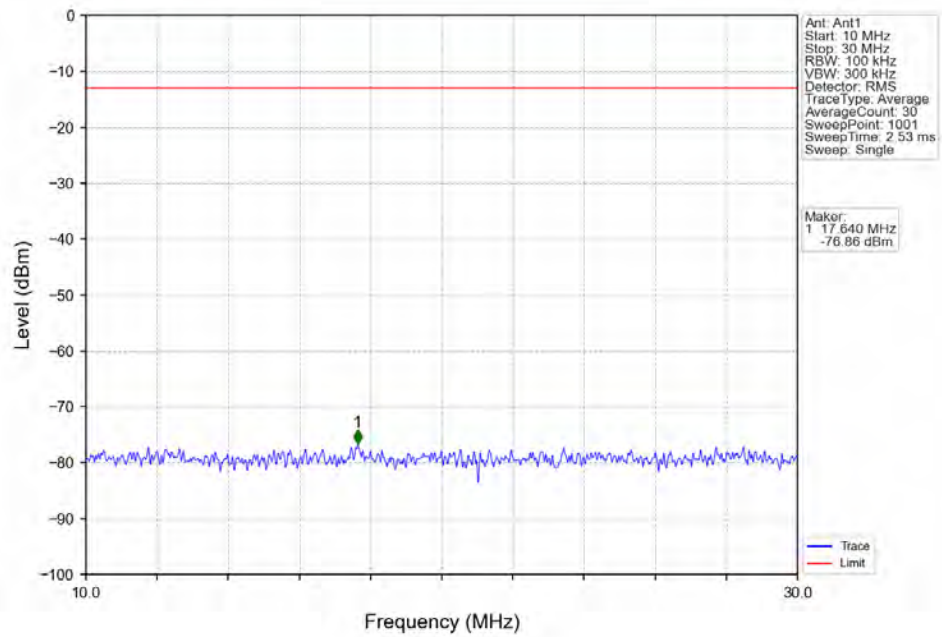
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



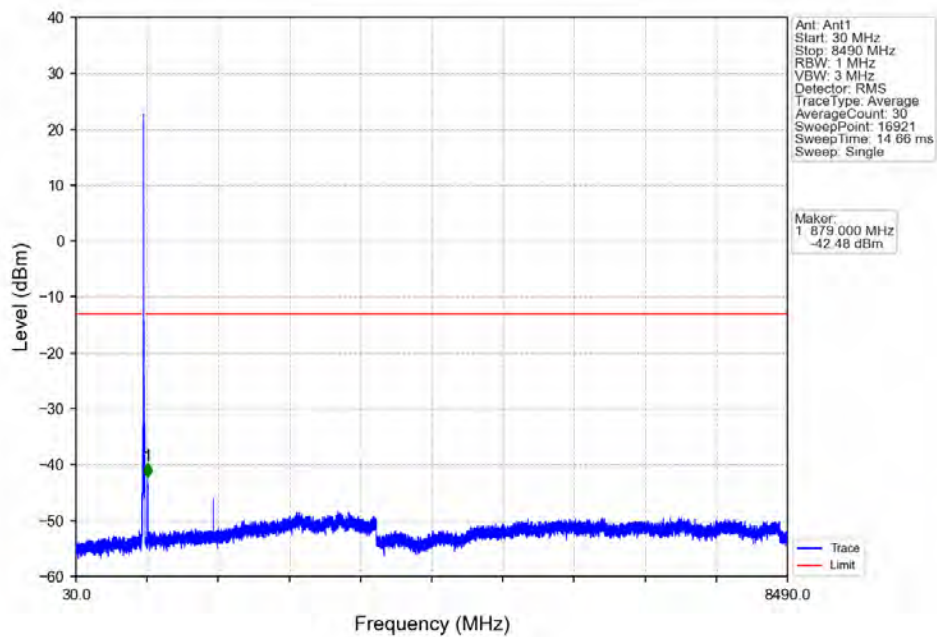
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



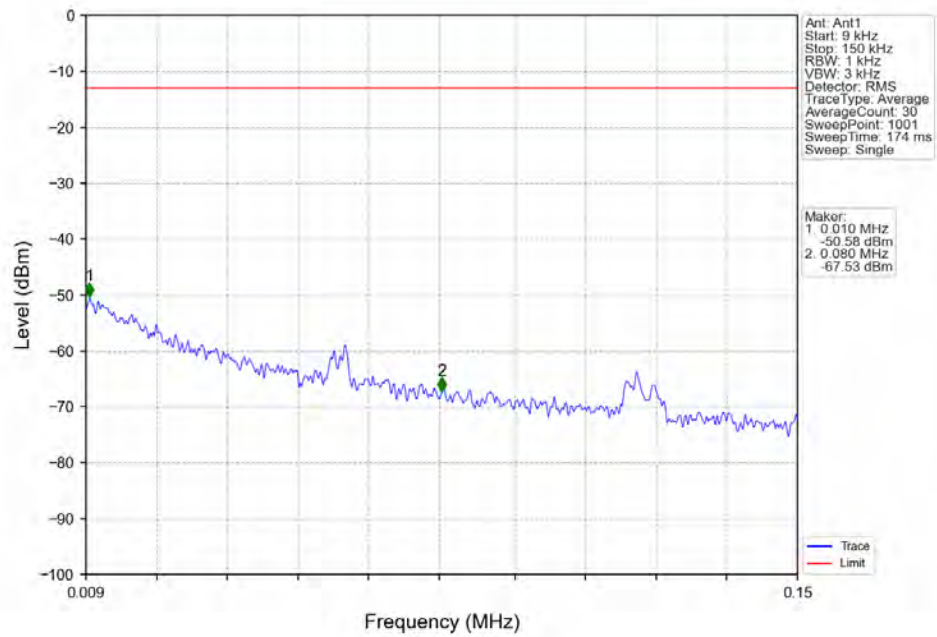
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



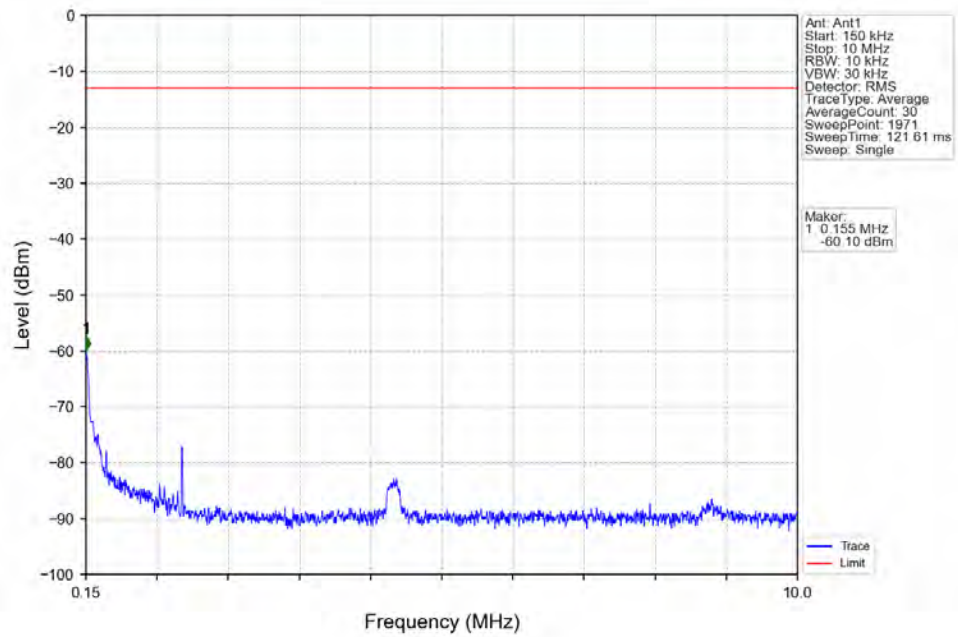
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



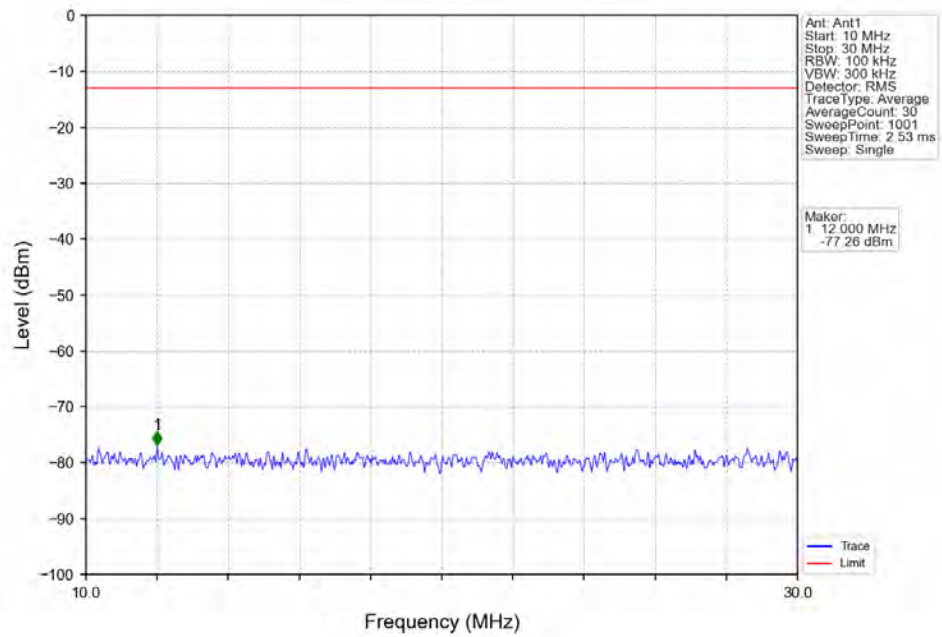
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV



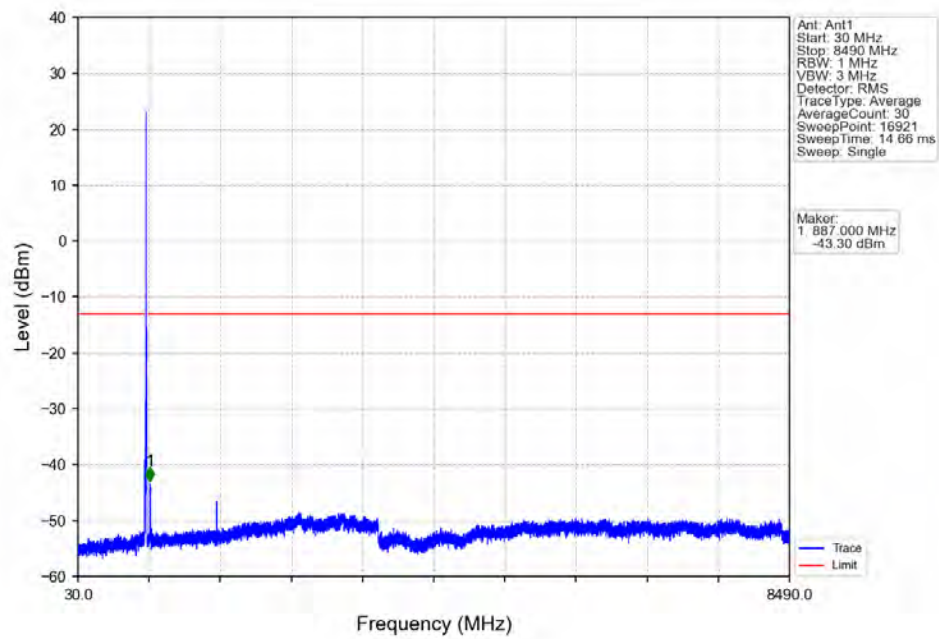
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV



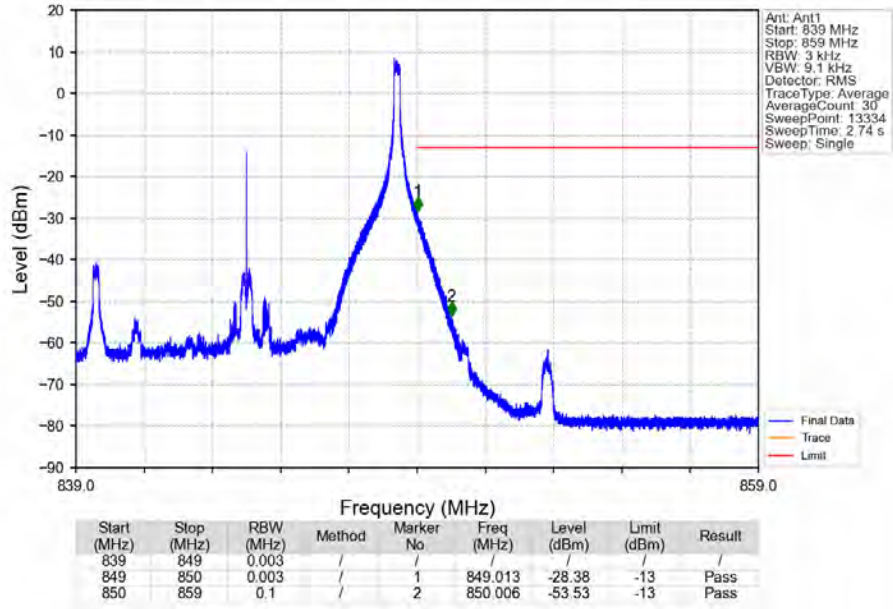
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV



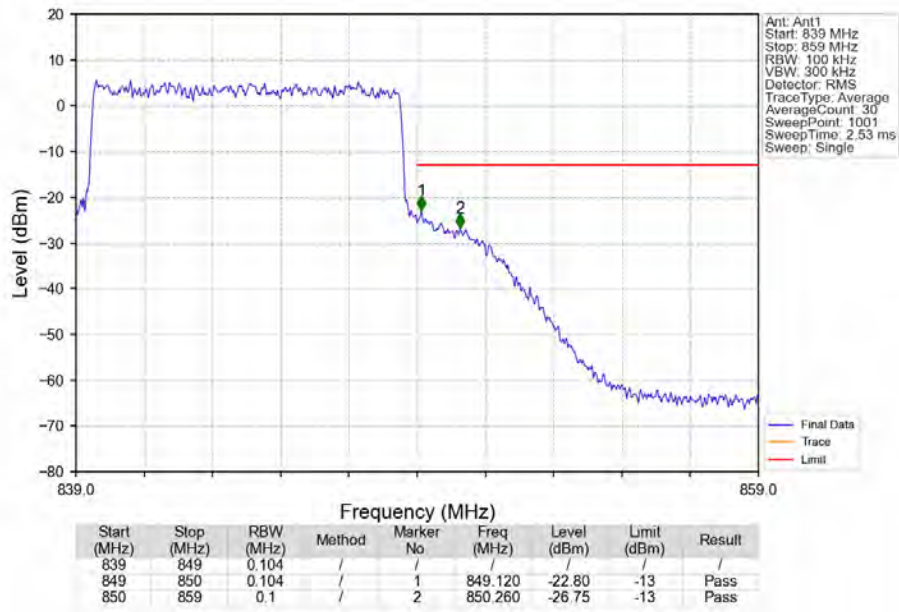
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV



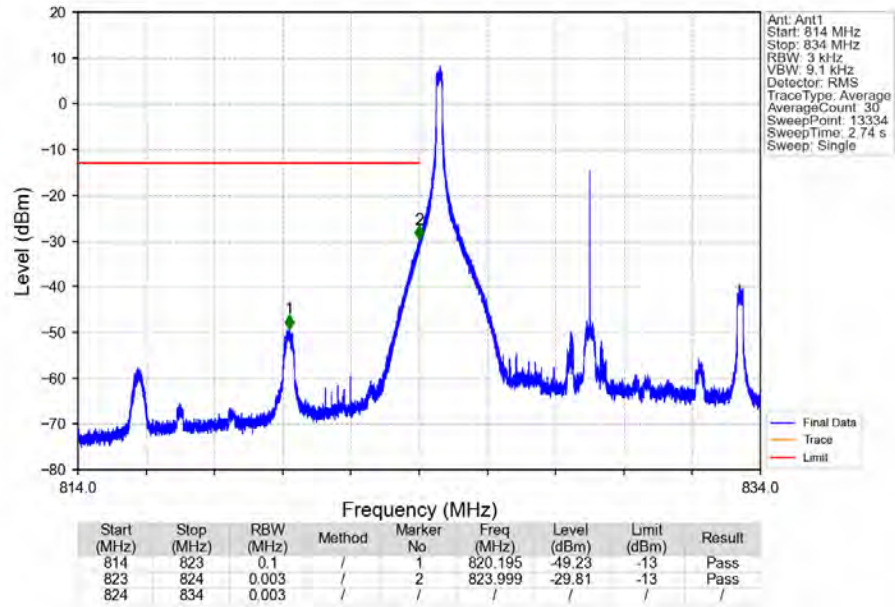
Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



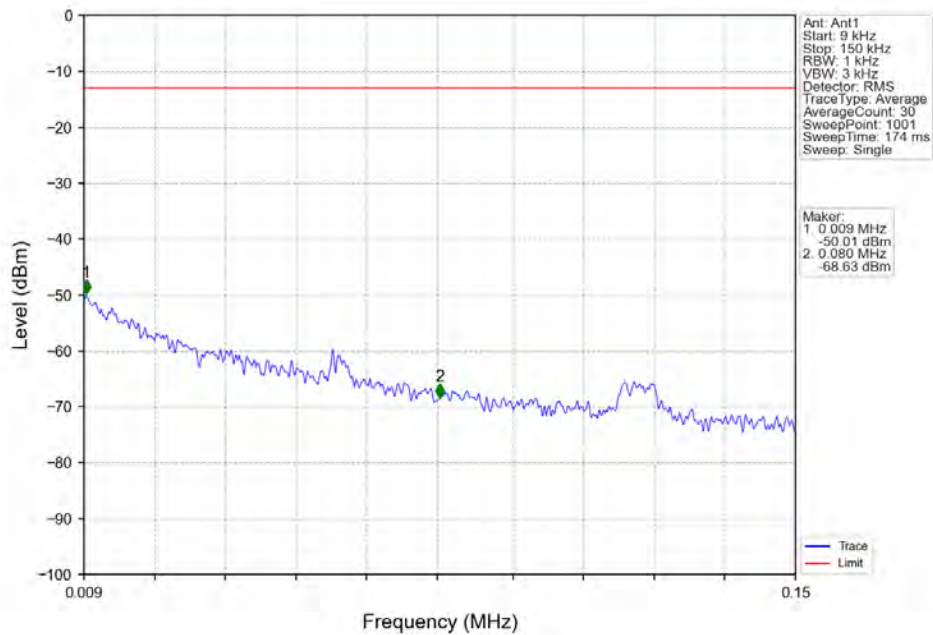
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



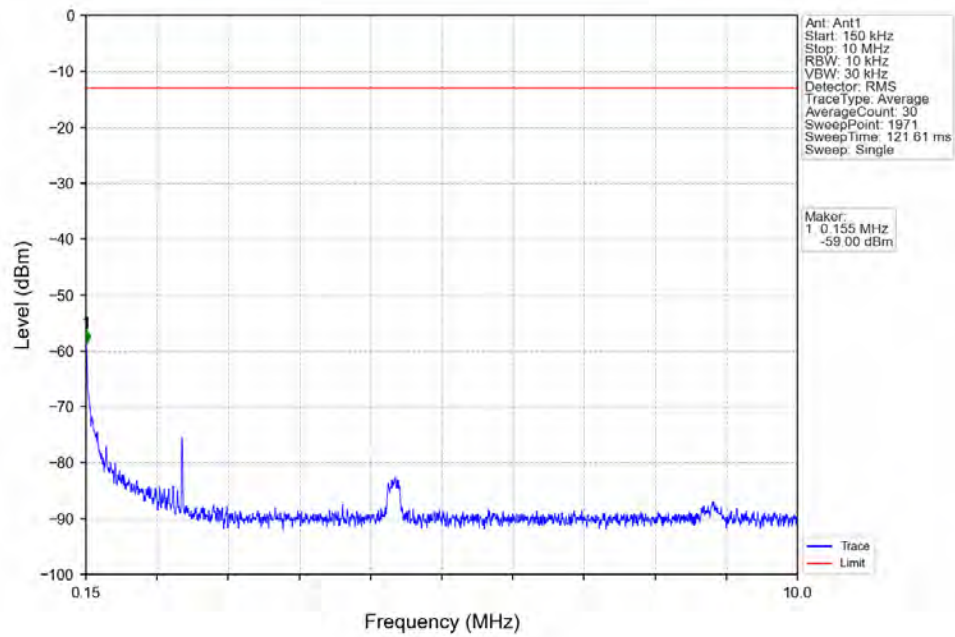
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



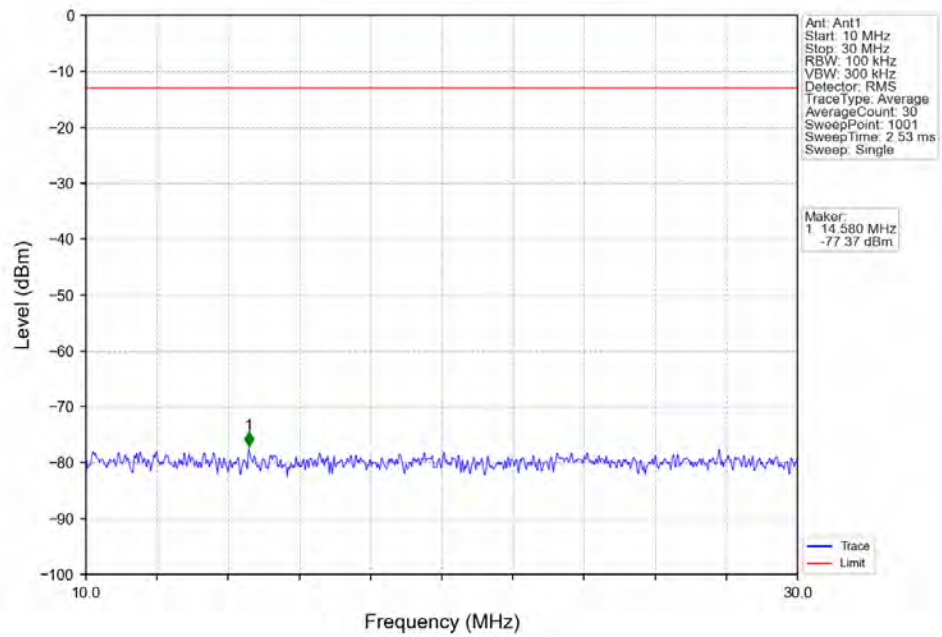
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



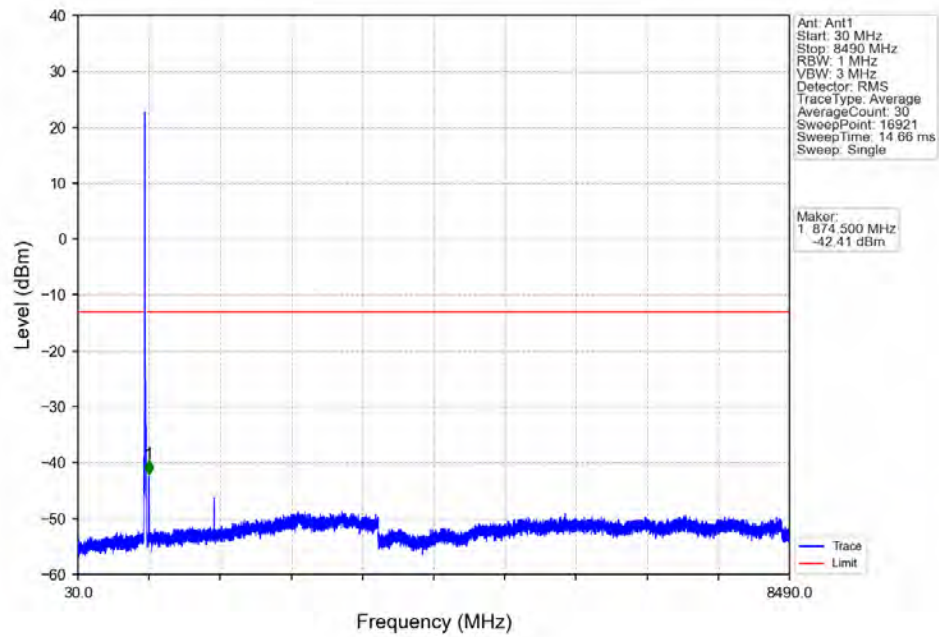
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



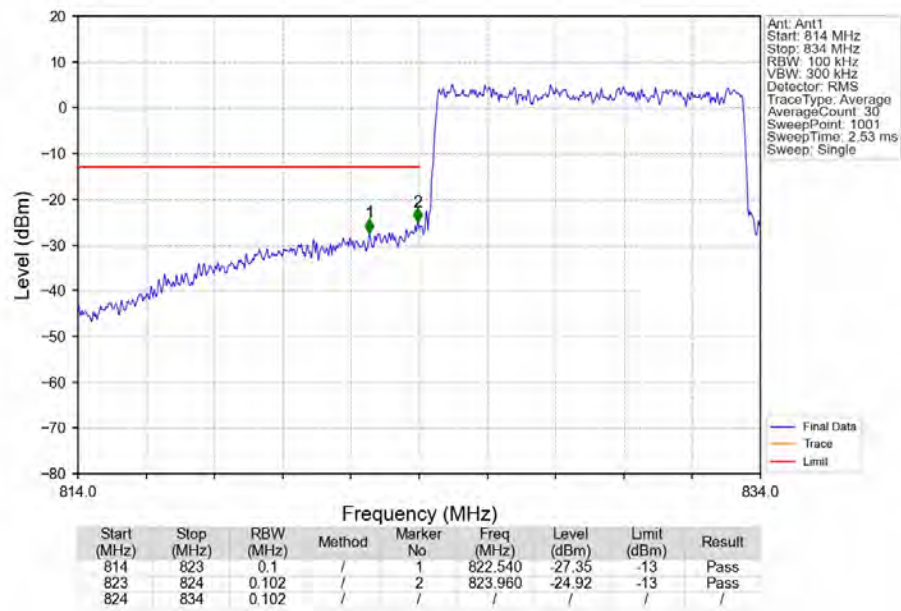
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



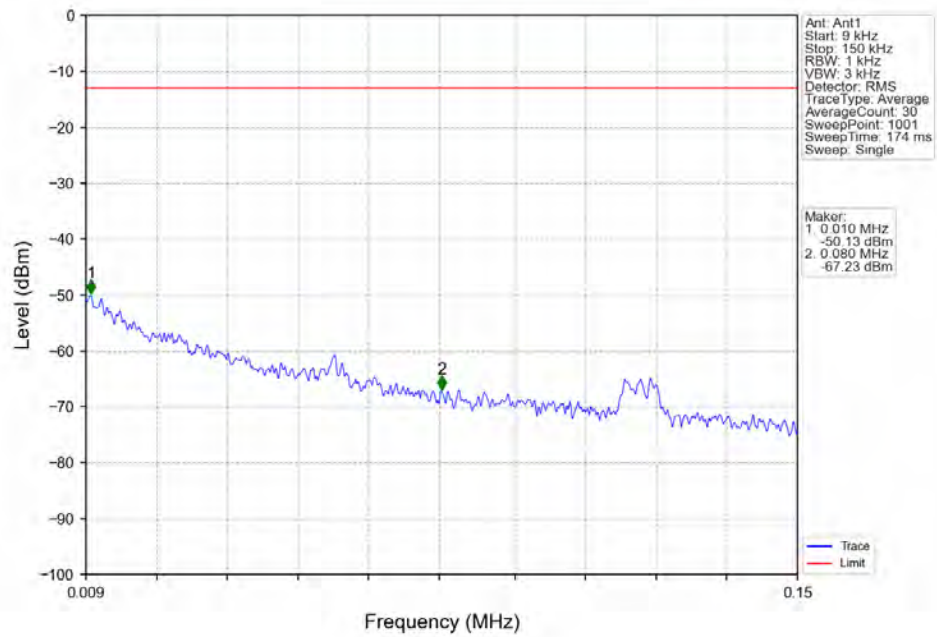
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



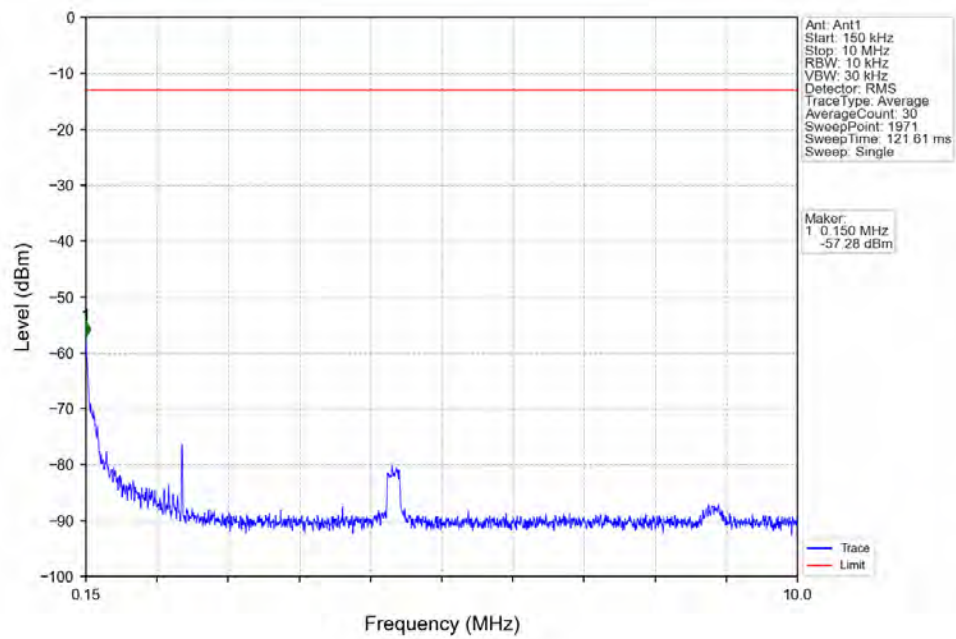
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



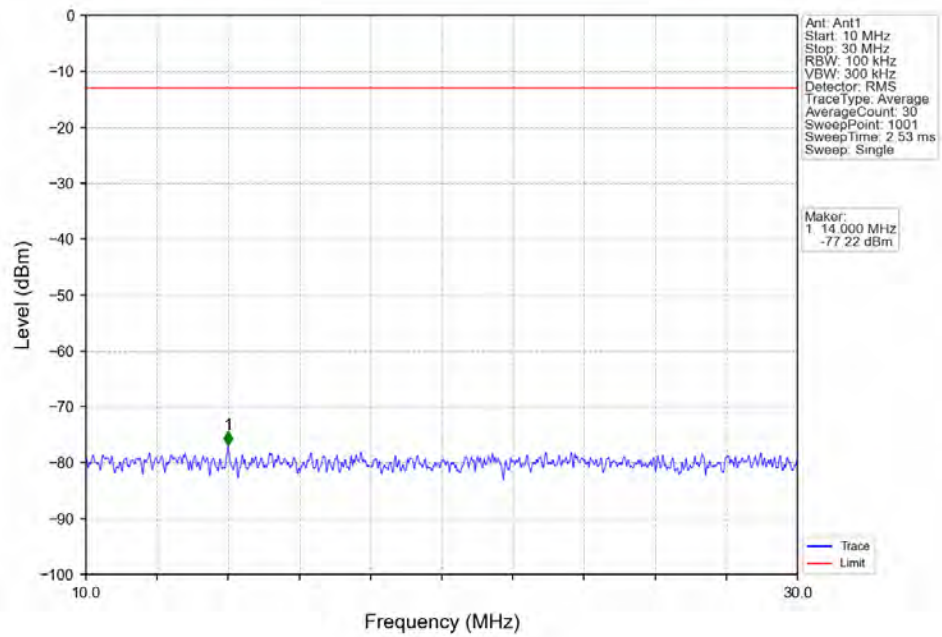
Band5 10MHz 16QAM MCH 836.5MHz RB 1 0 NTV



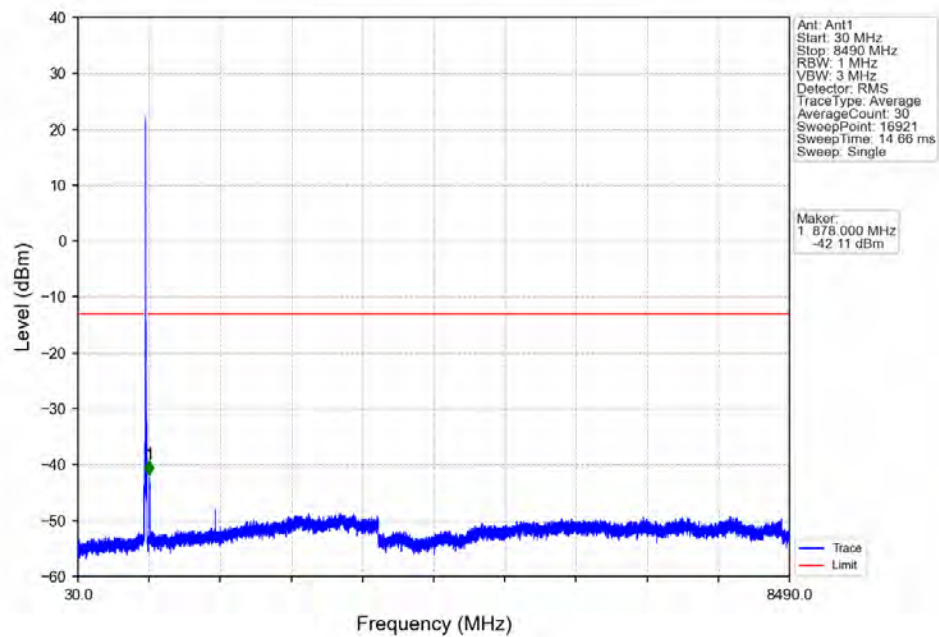
Band5 10MHz 16QAM MCH 836.5MHz RB 1 0 NTV



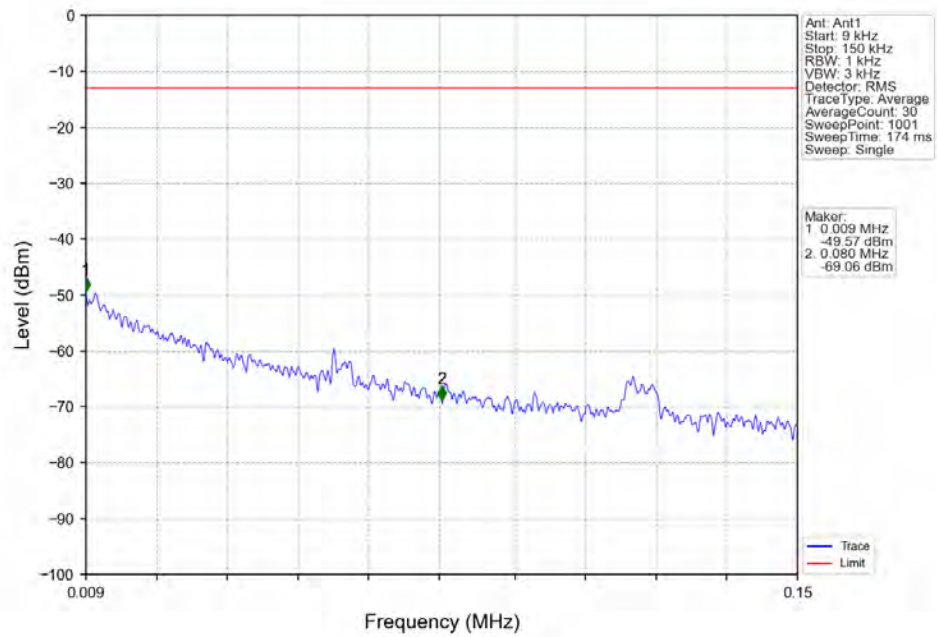
Band5 10MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



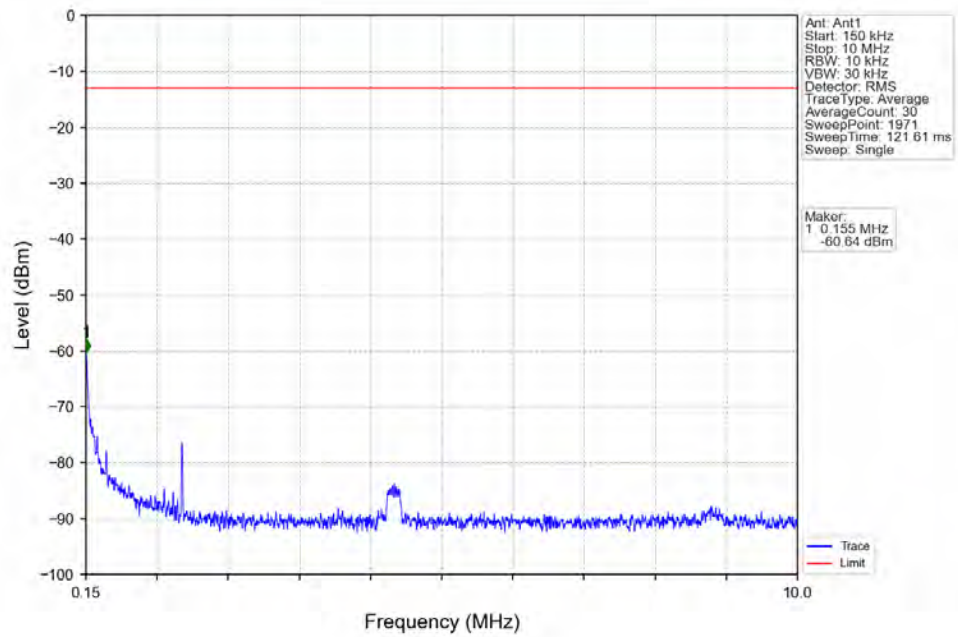
Band5 10MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



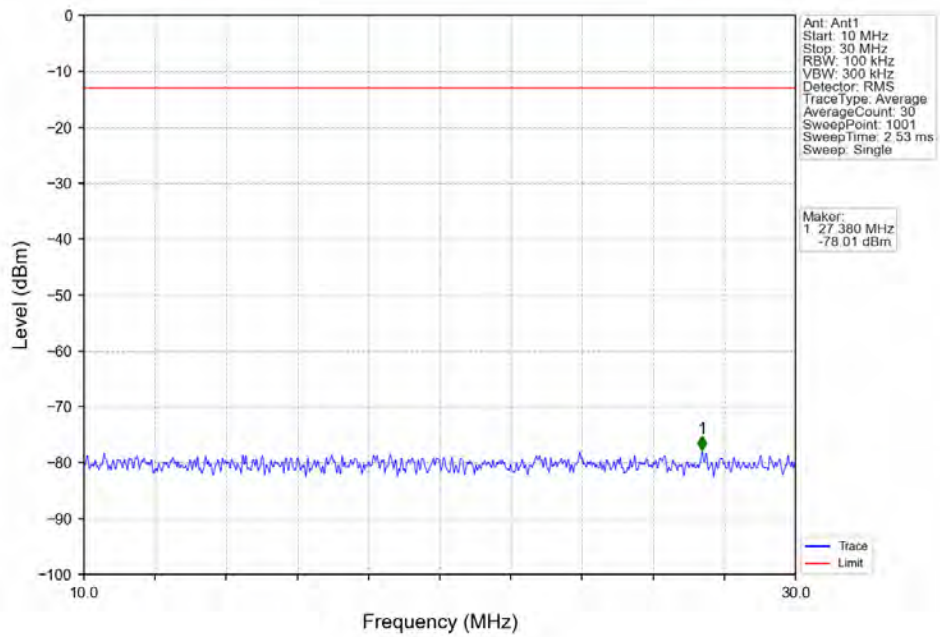
Band5 10MHz 16QAM HCH 844MHz RB 1 0 NTN



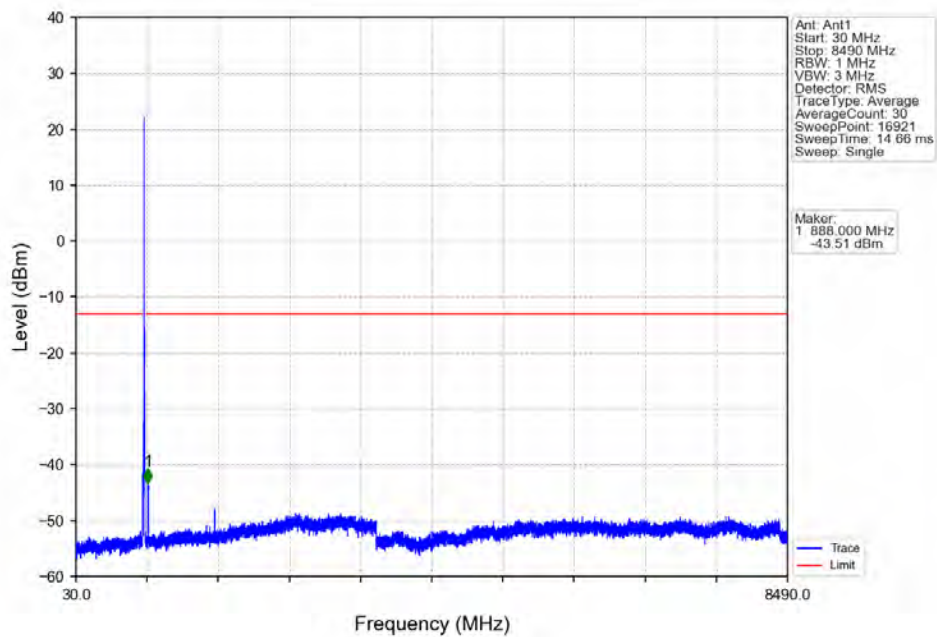
Band5 10MHz 16QAM HCH 844MHz RB 1 0 NTN



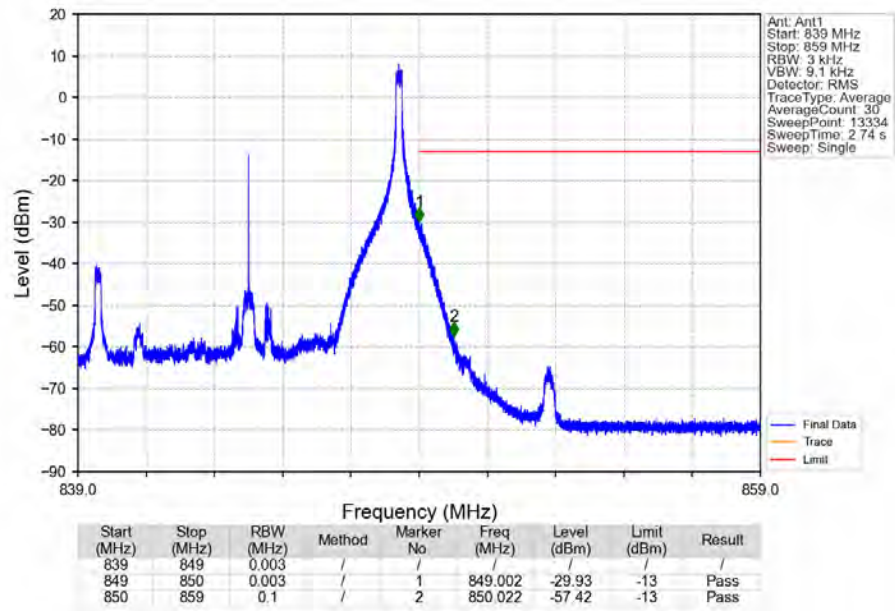
Band5 10MHz 16QAM HCH 844MHz RB 1 0 NTNV



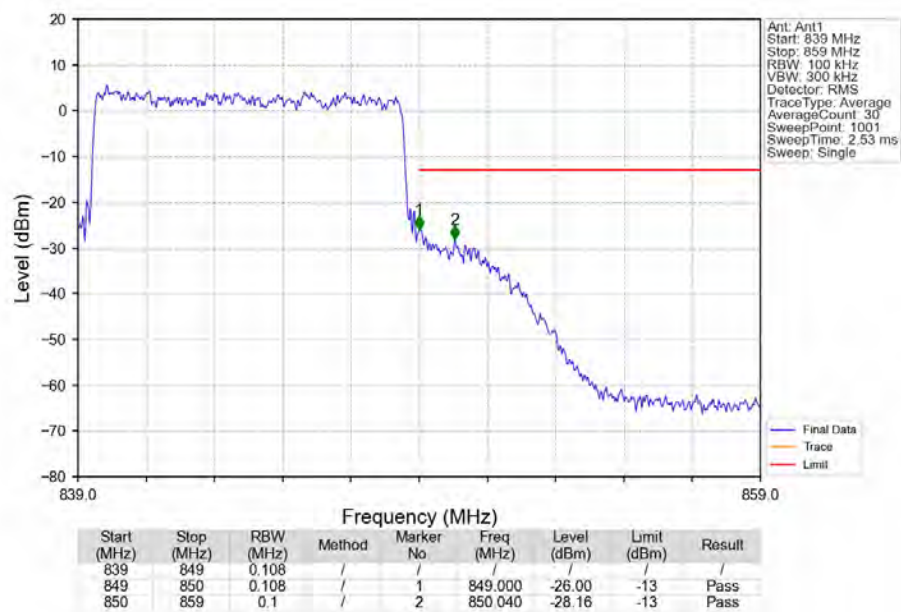
Band5 10MHz 16QAM HCH 844MHz RB 1 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 1 49 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



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	0.2729	0.0180	ppm	1M12G7D	24E	24.36
5	1.4	824.7	848.3	0.2153	0.0210	ppm	1M11W7D	24E	23.33
5	3	825.5	847.5	0.2844	0.0181	ppm	2M74G7D	24E	24.54
5	3	825.5	847.5	0.2350	0.0110	ppm	2M73W7D	24E	23.71
5	5	826.5	846.5	0.2673	0.0109	ppm	4M58G7D	24E	24.27
5	5	826.5	846.5	0.2133	0.0139	ppm	4M61W7D	24E	23.29
5	10	829	844	0.2767	0.0128	ppm	9M15G7D	24E	24.42
5	10	829	844	0.2350	0.0142	ppm	9M15W7D	24E	23.71

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	0.1919	0.0180	ppm	1M12G7D	24E	22.83
5	1.4	824.7	848.3	0.1514	0.0210	ppm	1M11W7D	24E	21.80
5	3	825.5	847.5	0.2000	0.0181	ppm	2M74G7D	24E	23.01
5	3	825.5	847.5	0.1652	0.0110	ppm	2M73W7D	24E	22.18
5	5	826.5	846.5	0.1879	0.0109	ppm	4M58G7D	24E	22.74
5	5	826.5	846.5	0.1500	0.0139	ppm	4M61W7D	24E	21.76
5	10	829	844	0.1945	0.0128	ppm	9M15G7D	24E	22.89
5	10	829	844	0.1652	0.0142	ppm	9M15W7D	24E	22.18