1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.25	-0.36	20.74	<=38.45	Pass
			2	23.30	-0.36	20.79	<=38.45	Pass
			5	22.75	-0.36	20.24	<=38.45	Pass
		3	0	22.86	-0.36	20.35	<=38.45	Pass
			2	22.82	-0.36	20.31	<=38.45	Pass
			3	22.77	-0.36	20.26	<=38.45	Pass
		6	0	21.84	-0.36	19.33	<=38.45	Pass
	836.5	1	0	22.72	-0.36	20.21	<=38.45	Pass
			2	22.77	-0.36	20.26	<=38.45	Pass
			5	22.71	-0.36	20.20	<=38.45	Pass
		3	0	22.82	-0.36	20.31	<=38.45	Pass
			2	22.80	-0.36	20.29	<=38.45	Pass
			3	22.77	-0.36	20.26	<=38.45	Pass
		6	0	21.75	-0.36	19.24	<=38.45	Pass
	848.3	1	0	22.76	-0.36	20.25	<=38.45	Pass
			2	22.87	-0.36	20.36	<=38.45	Pass
			5	22.76	-0.36	20.25	<=38.45	Pass
		3	0	22.81	-0.36	20.30	<=38.45	Pass
			2	22.83	-0.36	20.32	<=38.45	Pass
			3	22.82	-0.36	20.31	<=38.45	Pass
		6	0	21.81	-0.36	19.30	<=38.45	Pass
16QAM	824.7	1	0	21.87	-0.36	19.36	<=38.45	Pass
			2	21.97	-0.36	19.46	<=38.45	Pass
			5	21.85	-0.36	19.34	<=38.45	Pass
		3	0	21.76	-0.36	19.25	<=38.45	Pass
			2	21.78	-0.36	19.27	<=38.45	Pass
			3	21.79	-0.36	19.28	<=38.45	Pass
		6	0	20.82	-0.36	18.31	<=38.45	Pass
	836.5	1	0	21.68	-0.36	19.17	<=38.45	Pass
			2	21.78	-0.36	19.27	<=38.45	Pass
			5	21.66	-0.36	19.15	<=38.45	Pass
		3	0	21.99	-0.36	19.48	<=38.45	Pass
			2	21.94	-0.36	19.43	<=38.45	Pass
			3	21.97	-0.36	19.46	<=38.45	Pass
		6	0	20.79	-0.36	18.28	<=38.45	Pass
	848.3	1	0	21.71	-0.36	19.20	<=38.45	Pass
			2	21.86	-0.36	19.35	<=38.45	Pass
			5	21.79	-0.36	19.28	<=38.45	Pass
		3	0	21.86	-0.36	19.35	<=38.45	Pass
			2	21.90	-0.36	19.39	<=38.45	Pass
			3	21.87	-0.36	19.36	<=38.45	Pass
		6	0	20.76	-0.36	18.25	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.90	-0.36	20.39	<=38.45	Pass
			7	23.03	-0.36	20.52	<=38.45	Pass
			14	22.91	-0.36	20.40	<=38.45	Pass
		8	0	21.83	-0.36	19.32	<=38.45	Pass
			4	21.88	-0.36	19.37	<=38.45	Pass
			7	21.85	-0.36	19.34	<=38.45	Pass
		15	0	21.81	-0.36	19.30	<=38.45	Pass
	836.5	1	0	22.83	-0.36	20.32	<=38.45	Pass
			7	22.96	-0.36	20.45	<=38.45	Pass
			14	22.79	-0.36	20.28	<=38.45	Pass
		8	0	21.85	-0.36	19.34	<=38.45	Pass
			4	21.87	-0.36	19.36	<=38.45	Pass
			7	21.81	-0.36	19.30	<=38.45	Pass
		15	0	21.85	-0.36	19.34	<=38.45	Pass
	847.5	1	0	22.89	-0.36	20.38	<=38.45	Pass
			7	22.99	-0.36	20.48	<=38.45	Pass
			14	22.86	-0.36	20.35	<=38.45	Pass
		8	0	21.88	-0.36	19.37	<=38.45	Pass
			4	21.92	-0.36	19.41	<=38.45	Pass
			7	21.86	-0.36	19.35	<=38.45	Pass
		15	0	21.88	-0.36	19.37	<=38.45	Pass
16QAM	825.5	1	0	21.87	-0.36	19.36	<=38.45	Pass
			7	22.03	-0.36	19.52	<=38.45	Pass
			14	21.87	-0.36	19.36	<=38.45	Pass
		8	0	20.90	-0.36	18.39	<=38.45	Pass
			4	20.97	-0.36	18.46	<=38.45	Pass
			7	20.90	-0.36	18.39	<=38.45	Pass
		15	0	20.87	-0.36	18.36	<=38.45	Pass
	836.5	1	0	22.00	-0.36	19.49	<=38.45	Pass
			7	22.15	-0.36	19.64	<=38.45	Pass
			14	21.93	-0.36	19.42	<=38.45	Pass
		8	0	20.83	-0.36	18.32	<=38.45	Pass
			4	20.88	-0.36	18.37	<=38.45	Pass
			7	20.80	-0.36	18.29	<=38.45	Pass
		15	0	20.82	-0.36	18.31	<=38.45	Pass
	847.5	1	0	22.38	-0.36	19.87	<=38.45	Pass
			7	22.54	-0.36	20.03	<=38.45	Pass
			14	22.34	-0.36	19.83	<=38.45	Pass
		8	0	21.06	-0.36	18.55	<=38.45	Pass
			4	21.13	-0.36	18.62	<=38.45	Pass
			7	21.05	-0.36	18.54	<=38.45	Pass
		15	0	20.99	-0.36	18.48	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.70	-0.36	20.19	<=38.45	Pass
			13	22.81	-0.36	20.30	<=38.45	Pass
			24	22.70	-0.36	20.19	<=38.45	Pass
		12	0	21.65	-0.36	19.14	<=38.45	Pass
			6	21.76	-0.36	19.25	<=38.45	Pass
			13	21.71	-0.36	19.20	<=38.45	Pass

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		25	0	21.71	-0.36	19.20	<=38.45	Pass
	836.5	1	0	22.71	-0.36	20.20	<=38.45	Pass
			13	22.74	-0.36	20.23	<=38.45	Pass
			24	22.65	-0.36	20.14	<=38.45	Pass
		12	0	21.70	-0.36	19.19	<=38.45	Pass
			6	21.71	-0.36	19.20	<=38.45	Pass
			13	21.62	-0.36	19.11	<=38.45	Pass
		25	0	21.73	-0.36	19.22	<=38.45	Pass
	846.5	1	0	22.65	-0.36	20.14	<=38.45	Pass
			13	22.77	-0.36	20.26	<=38.45	Pass
			24	22.68	-0.36	20.17	<=38.45	Pass
		12	0	21.73	-0.36	19.22	<=38.45	Pass
			6	21.75	-0.36	19.24	<=38.45	Pass
			13	21.64	-0.36	19.13	<=38.45	Pass
		25	0	21.68	-0.36	19.17	<=38.45	Pass
16QAM	826.5	1	0	21.72	-0.36	19.21	<=38.45	Pass
			13	21.87	-0.36	19.36	<=38.45	Pass
			24	21.79	-0.36	19.28	<=38.45	Pass
		12	0	20.67	-0.36	18.16	<=38.45	Pass
			6	20.77	-0.36	18.26	<=38.45	Pass
			13	20.72	-0.36	18.21	<=38.45	Pass
		25	0	20.73	-0.36	18.22	<=38.45	Pass
	836.5	1	0	21.93	-0.36	19.42	<=38.45	Pass
			13	22.01	-0.36	19.50	<=38.45	Pass
			24	21.89	-0.36	19.38	<=38.45	Pass
		12	0	20.85	-0.36	18.34	<=38.45	Pass
			6	20.81	-0.36	18.30	<=38.45	Pass
			13	20.72	-0.36	18.21	<=38.45	Pass
		25	0	20.71	-0.36	18.20	<=38.45	Pass
	846.5	1	0	21.49	-0.36	18.98	<=38.45	Pass
			13	21.61	-0.36	19.10	<=38.45	Pass
			24	21.54	-0.36	19.03	<=38.45	Pass
		12	0	20.75	-0.36	18.24	<=38.45	Pass
			6	20.80	-0.36	18.29	<=38.45	Pass
			13	20.69	-0.36	18.18	<=38.45	Pass
		25	0	20.72	-0.36	18.21	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.74	-0.36	20.23	<=38.45	Pass
			25	23.00	-0.36	20.49	<=38.45	Pass
			49	22.78	-0.36	20.27	<=38.45	Pass
		25	0	21.82	-0.36	19.31	<=38.45	Pass
			13	21.85	-0.36	19.34	<=38.45	Pass
			25	21.76	-0.36	19.25	<=38.45	Pass
		50	0	21.80	-0.36	19.29	<=38.45	Pass
	836.5	1	0	22.71	-0.36	20.20	<=38.45	Pass
			25	22.87	-0.36	20.36	<=38.45	Pass
			49	22.70	-0.36	20.19	<=38.45	Pass
		25	0	21.84	-0.36	19.33	<=38.45	Pass
			13	21.80	-0.36	19.29	<=38.45	Pass
			25	21.79	-0.36	19.28	<=38.45	Pass
		50	0	21.82	-0.36	19.31	<=38.45	Pass

	844	1	0	22.67	-0.36	20.16	<=38.45	Pass
			25	22.92	-0.36	20.41	<=38.45	Pass
			49	22.73	-0.36	20.22	<=38.45	Pass
		25	0	21.74	-0.36	19.23	<=38.45	Pass
			13	21.80	-0.36	19.29	<=38.45	Pass
			25	21.70	-0.36	19.19	<=38.45	Pass
		50	0	21.74	-0.36	19.23	<=38.45	Pass
16QAM	829	1	0	21.71	-0.36	19.20	<=38.45	Pass
			25	21.97	-0.36	19.46	<=38.45	Pass
			49	21.74	-0.36	19.23	<=38.45	Pass
		25	0	20.88	-0.36	18.37	<=38.45	Pass
			13	20.93	-0.36	18.42	<=38.45	Pass
			25	20.83	-0.36	18.32	<=38.45	Pass
		50	0	20.83	-0.36	18.32	<=38.45	Pass
	836.5	1	0	21.84	-0.36	19.33	<=38.45	Pass
			25	22.03	-0.36	19.52	<=38.45	Pass
			49	21.83	-0.36	19.32	<=38.45	Pass
		25	0	20.89	-0.36	18.38	<=38.45	Pass
			13	20.83	-0.36	18.32	<=38.45	Pass
			25	20.84	-0.36	18.33	<=38.45	Pass
		50	0	20.82	-0.36	18.31	<=38.45	Pass
	844	1	0	22.20	-0.36	19.69	<=38.45	Pass
			25	22.41	-0.36	19.90	<=38.45	Pass
			49	22.22	-0.36	19.71	<=38.45	Pass
		25	0	20.81	-0.36	18.30	<=38.45	Pass
			13	20.89	-0.36	18.38	<=38.45	Pass
			25	20.72	-0.36	18.21	<=38.45	Pass
		50	0	20.78	-0.36	18.27	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-7.825	-0.0095	-2.5 to 2.5	Pass
					3.85	-8.411	-0.0102	-2.5 to 2.5	Pass
					4.43	-11.058	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	2.232	0.0027	-2.5 to 2.5	Pass
				0	3.85	-8.068	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.869	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.666	-0.0080	-2.5 to 2.5	Pass
					3.85	-12.274	-0.0147	-2.5 to 2.5	Pass
					4.43	-8.297	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.646	-0.0151	-2.5 to 2.5	Pass
				-10	3.85	-9.713	-0.0116	-2.5 to 2.5	Pass

				0	3.85	-10.743	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				30	3.85	1.788	0.0021	-2.5 to 2.5	Pass
				40	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.762	-0.0044	-2.5 to 2.5	Pass
					3.85	-8.612	-0.0102	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.951	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.648	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-9.456	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-6.366	-0.0077	-2.5 to 2.5	Pass
					3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-9.899	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0045	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.509	-0.0078	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
					4.43	-9.484	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-8.440	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-9.341	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-8.483	-0.0101	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	1.874	0.0022	-2.5 to 2.5	Pass
					3.85	1.574	0.0019	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-9.441	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-7.210	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0053	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-0.272	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.661	-0.0032	-2.5 to 2.5	Pass

					4.43	-7.854	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-9.155	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-4.506	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-6.280	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-4.020	-0.0049	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-6.437	-0.0077	-2.5 to 2.5	Pass
					3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
					4.43	-11.759	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-12.431	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-11.745	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-11.916	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-9.470	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0078	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-6.323	-0.0075	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0112	-2.5 to 2.5	Pass
					4.43	-7.710	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-7.253	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-1.945	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.061	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-9.441	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-11.444	-0.0135	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-3.247	-0.0039	-2.5 to 2.5	Pass
					3.85	0.415	0.0005	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-9.913	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-6.995	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-12.903	-0.0156	-2.5 to 2.5	Pass
				40	3.85	2.131	0.0026	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0070	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-9.098	-0.0109	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0046	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-12.317	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-10.972	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-7.138	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-9.785	-0.0117	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-14.277	-0.0168	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0063	-2.5 to 2.5	Pass

				0	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-10.085	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-7.682	-0.0091	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-13.561	-0.0164	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0077	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-7.811	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-7.739	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-9.770	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-8.154	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-11.015	-0.0133	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-10.114	-0.0121	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.865	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-11.187	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-10.543	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-9.670	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-13.490	-0.0159	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0078	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-7.868	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-8.197	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0062	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-9.198	-0.0111	-2.5 to 2.5	Pass
					3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
					4.43	-10.843	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-9.956	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-8.097	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-9.556	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-6.294	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-6.351	-0.0077	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-9.756	-0.0117	-2.5 to 2.5	Pass
					3.85	-7.639	-0.0091	-2.5 to 2.5	Pass

					4.43	-8.941	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.540	-0.0102	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-3.948	-0.0047	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0062	-2.5 to 2.5	Pass
					4.43	-11.373	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-10.028	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-7.424	-0.0088	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-4.435	-0.0053	-2.5 to 2.5	Pass
					3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
					4.43	-7.167	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-8.011	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-9.041	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-8.926	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0058	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-12.217	-0.0146	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-6.537	-0.0078	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-5.364	-0.0064	-2.5 to 2.5	Pass
					3.85	-8.512	-0.0101	-2.5 to 2.5	Pass
					4.43	-4.220	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-4.020	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-5.779	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-5.779	-0.0068	-2.5 to 2.5	Pass

				40	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-8.140	-0.0098	-2.5 to 2.5	Pass
					3.85	-7.153	-0.0086	-2.5 to 2.5	Pass
					4.43	-7.124	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-5.493	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-8.225	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-4.177	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-5.622	-0.0068	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-5.851	-0.0070	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
					4.43	-5.665	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-8.311	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-4.463	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-3.734	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-7.610	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0032	-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	-7.839	-0.0093	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-6.866	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-7.668	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-4.749	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-5.164	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0071	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

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

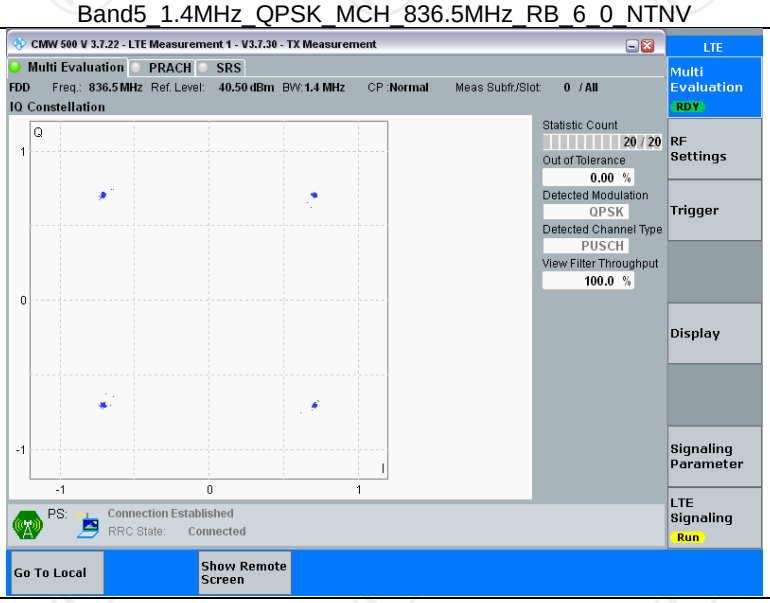
3.1.4 B5_10MHz

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

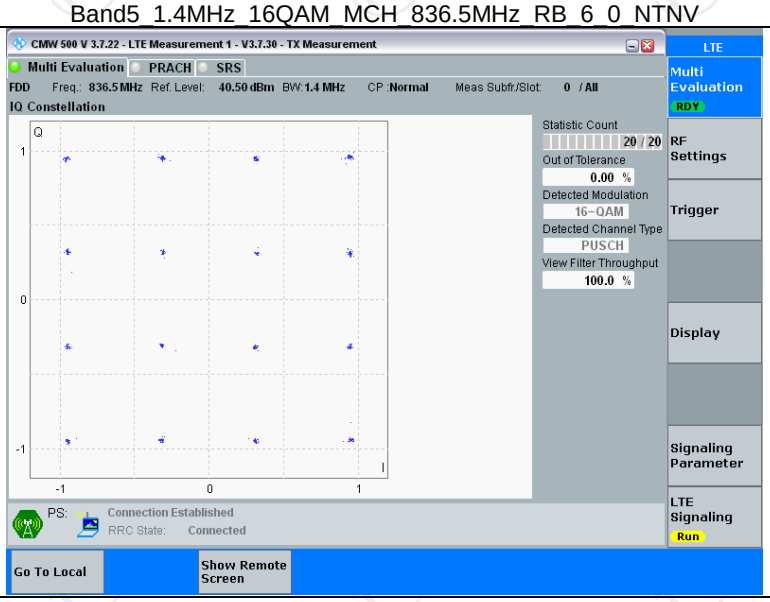
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

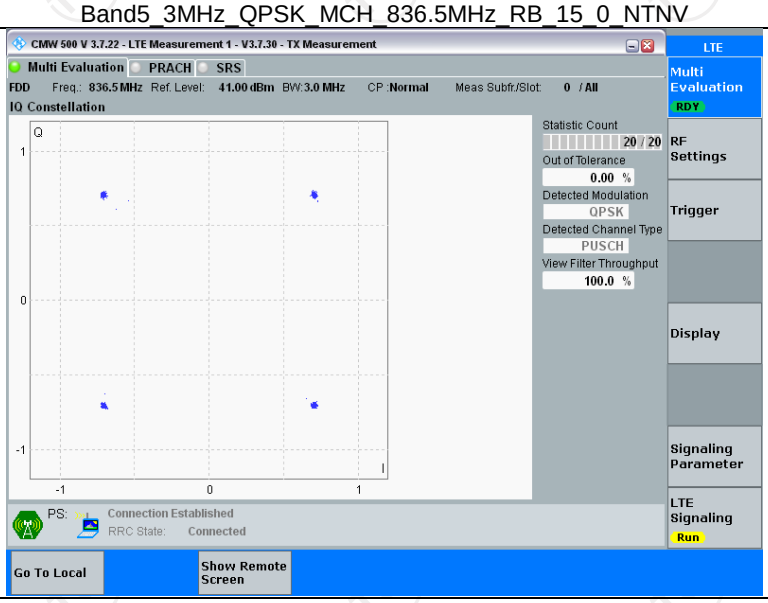


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

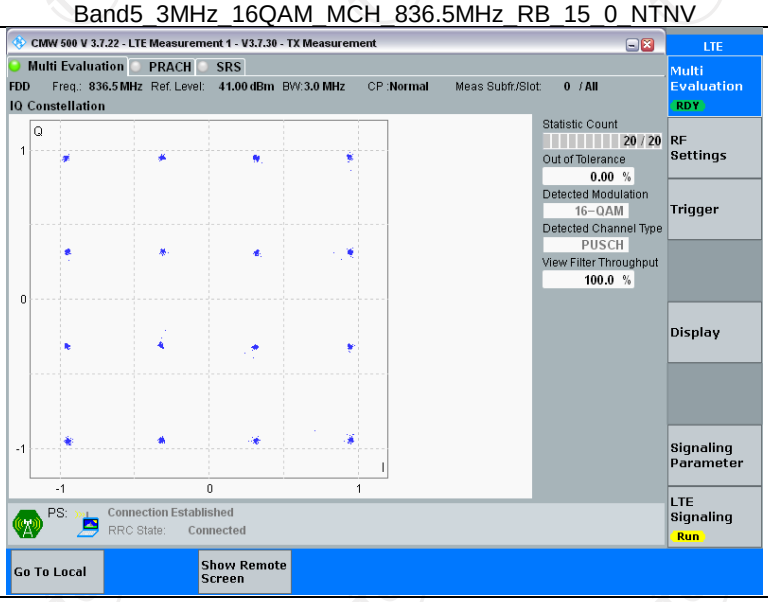


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

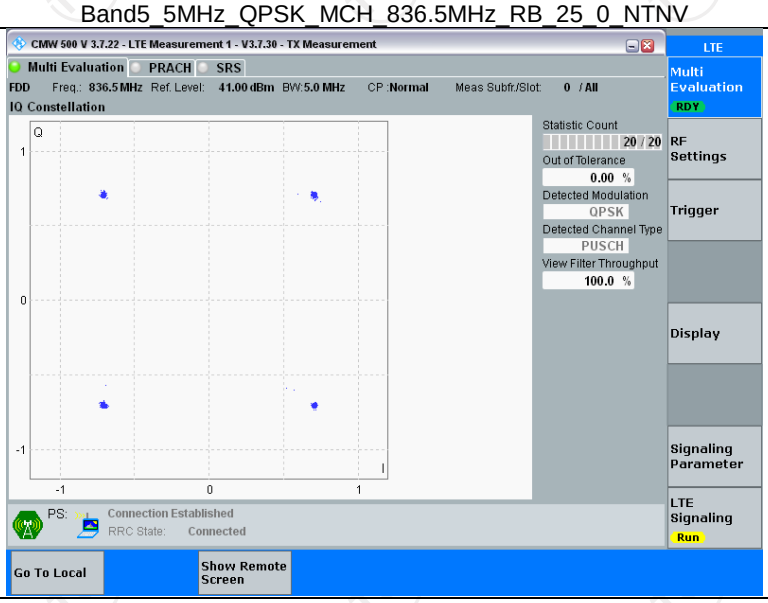


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

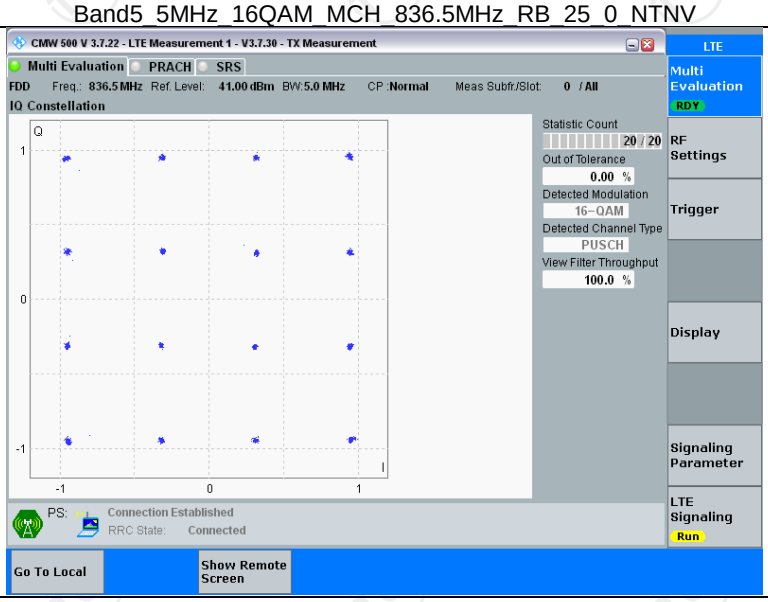


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

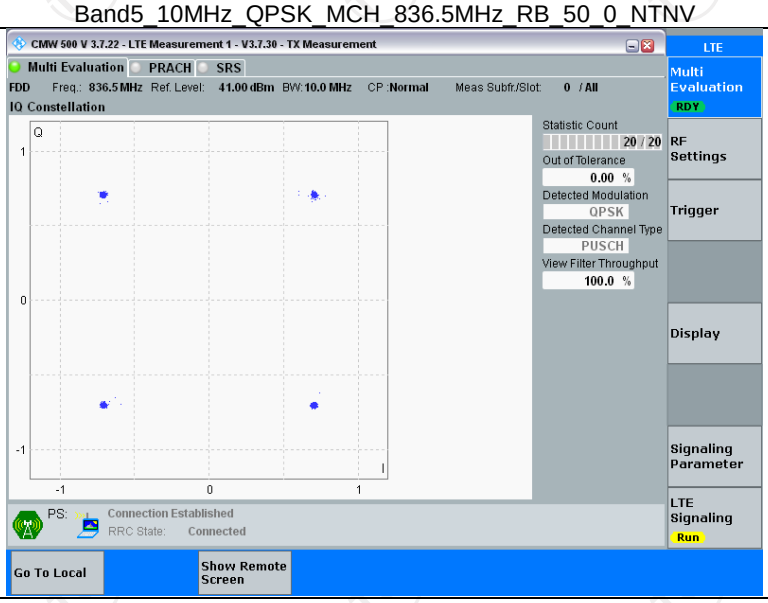


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

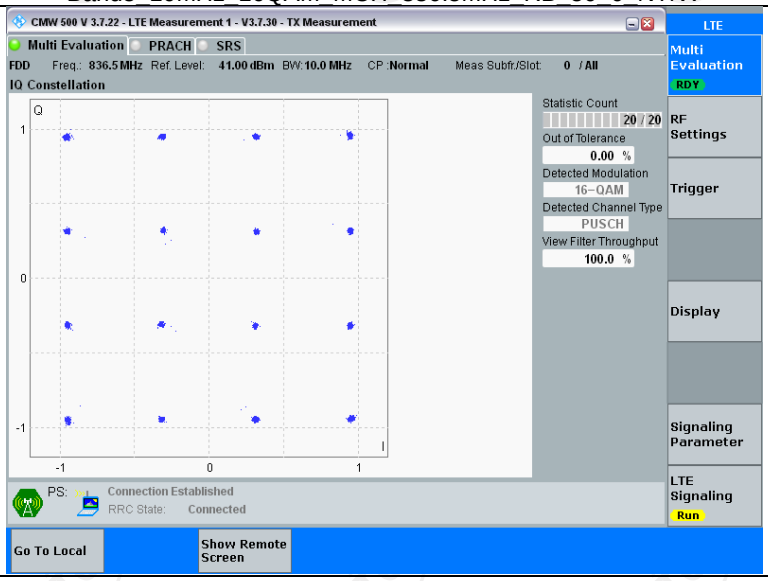


3.2.4 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.109	/	Pass
		836.5	6	0	1.111	/	Pass
		848.3	6	0	1.113	/	Pass
	16QAM	824.7	6	0	1.097	/	Pass
		836.5	6	0	1.104	/	Pass
		848.3	6	0	1.113	/	Pass
3	QPSK	825.5	15	0	2.729	/	Pass
		836.5	15	0	2.740	/	Pass
		847.5	15	0	2.725	/	Pass
	16QAM	825.5	15	0	2.724	/	Pass
		836.5	15	0	2.722	/	Pass
		847.5	15	0	2.715	/	Pass
5	QPSK	826.5	25	0	4.564	/	Pass
		836.5	25	0	4.572	/	Pass
		846.5	25	0	4.574	/	Pass
	16QAM	826.5	25	0	4.598	/	Pass
		836.5	25	0	4.591	/	Pass
		846.5	25	0	4.563	/	Pass
10	QPSK	829	50	0	9.067	/	Pass
		836.5	50	0	9.094	/	Pass
		844	50	0	9.071	/	Pass
	16QAM	829	50	0	9.074	/	Pass
		836.5	50	0	9.081	/	Pass
		844	50	0	9.043	/	Pass

4.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.337	/	Pass
		836.5	6	0	1.309	/	Pass
		848.3	6	0	1.309	/	Pass
	16QAM	824.7	6	0	1.298	/	Pass
		836.5	6	0	1.335	/	Pass
		848.3	6	0	1.316	/	Pass
3	QPSK	825.5	15	0	3.011	/	Pass
		836.5	15	0	3.004	/	Pass
		847.5	15	0	2.985	/	Pass
	16QAM	825.5	15	0	2.988	/	Pass
		836.5	15	0	2.994	/	Pass
		847.5	15	0	2.997	/	Pass
5	QPSK	826.5	25	0	5.276	/	Pass
		836.5	25	0	5.267	/	Pass
		846.5	25	0	5.230	/	Pass

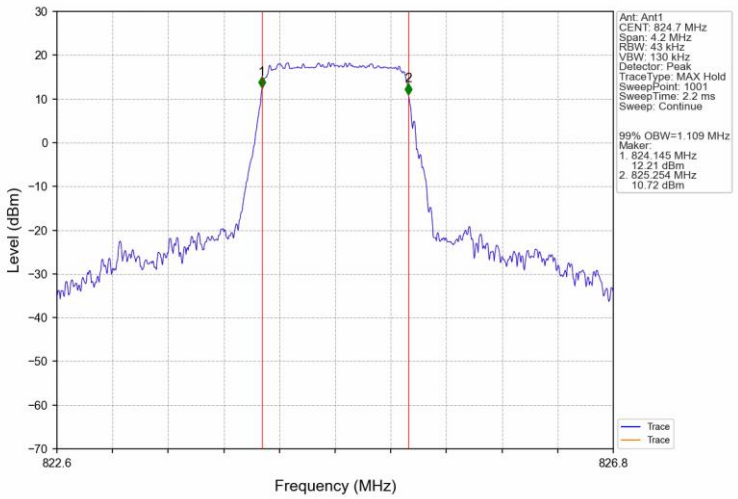
	16QAM	826.5	25	0	5.298	/	Pass
		836.5	25	0	5.282	/	Pass
		846.5	25	0	5.240	/	Pass
10	QPSK	829	50	0	10.073	/	Pass
		836.5	50	0	10.206	/	Pass
		844	50	0	10.245	/	Pass
	16QAM	829	50	0	10.181	/	Pass
		836.5	50	0	10.231	/	Pass
		844	50	0	10.159	/	Pass

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

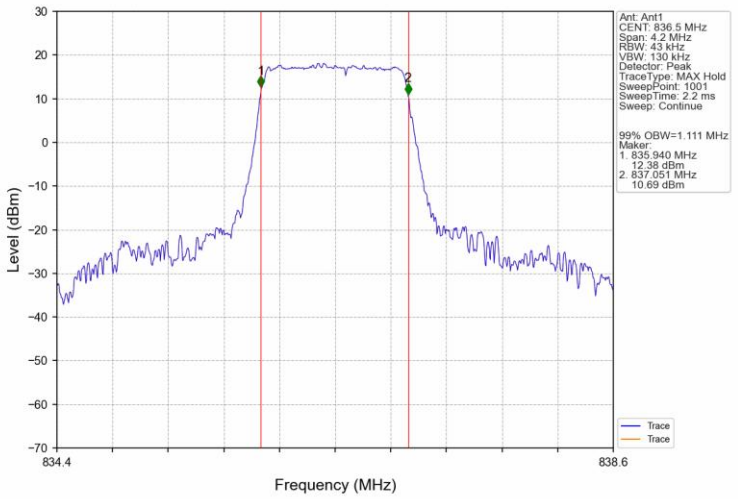
4.2 Test Graph

4.2.1 Band5_OBW

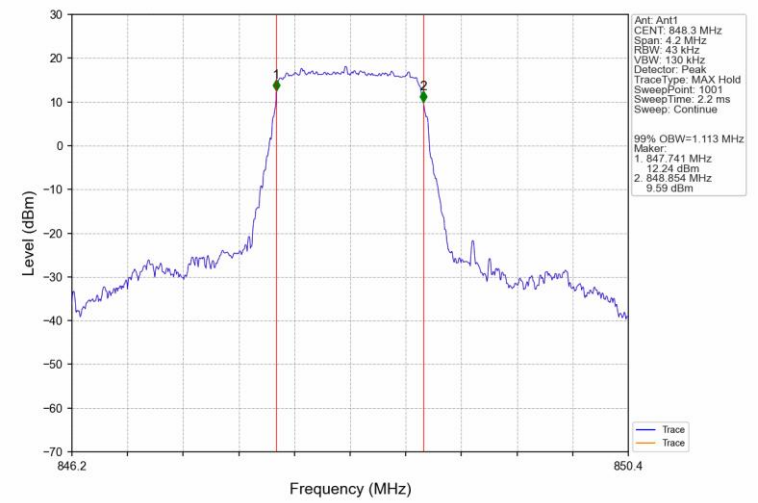
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



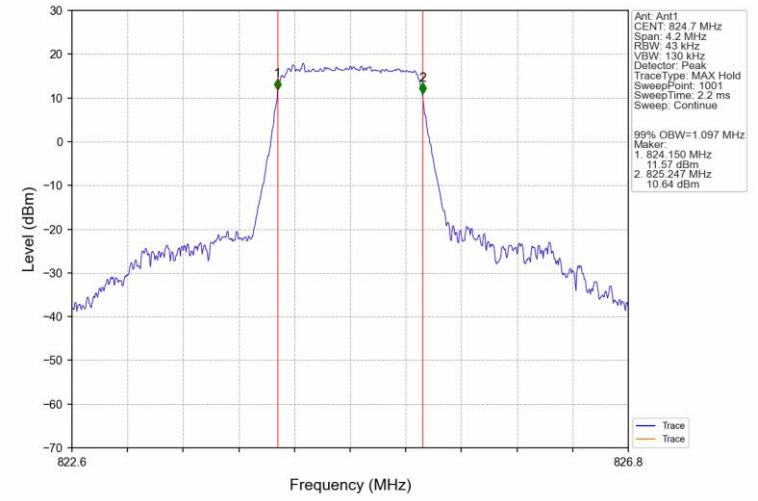
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



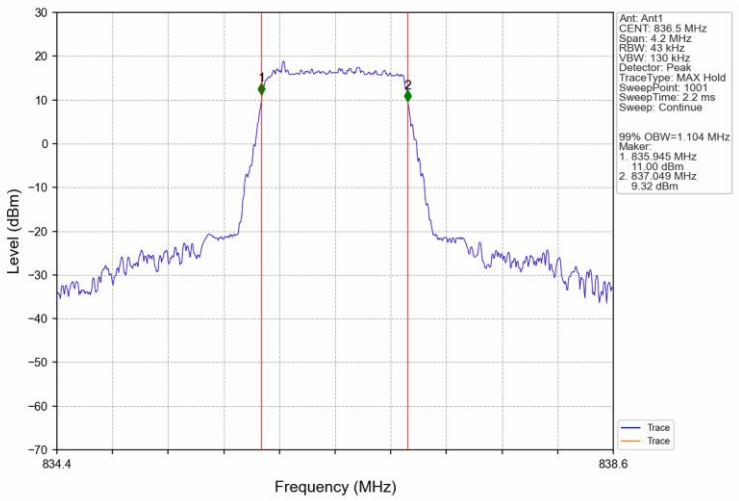
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



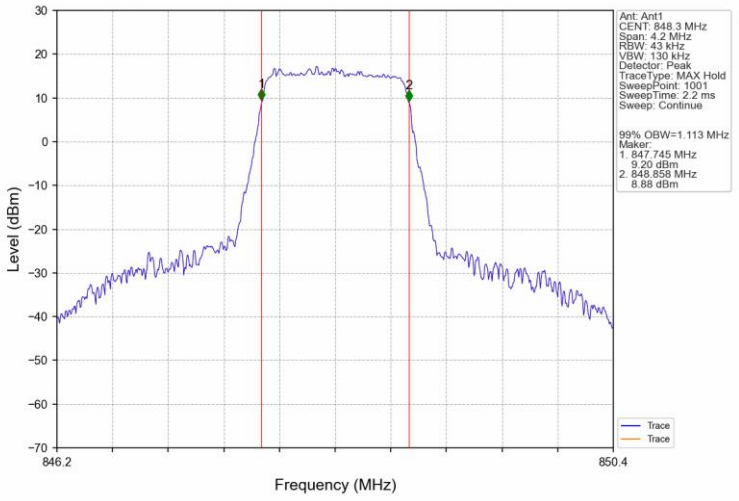
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



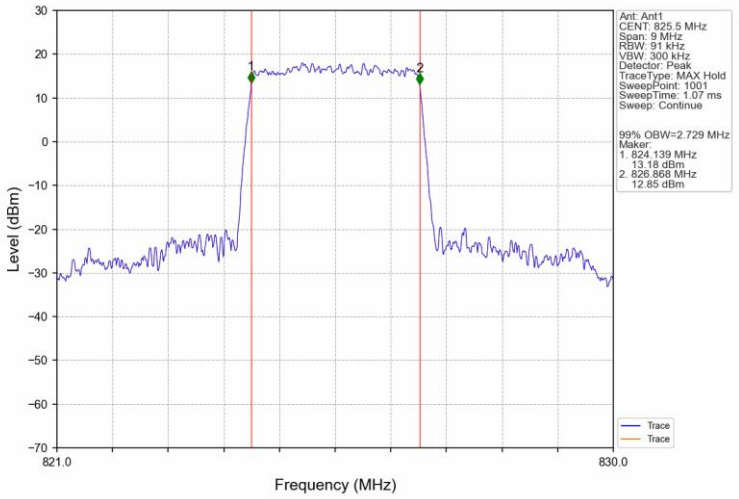
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



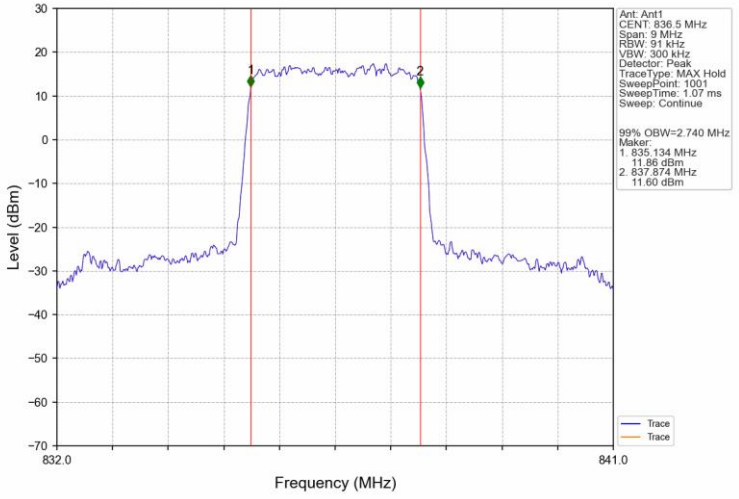
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



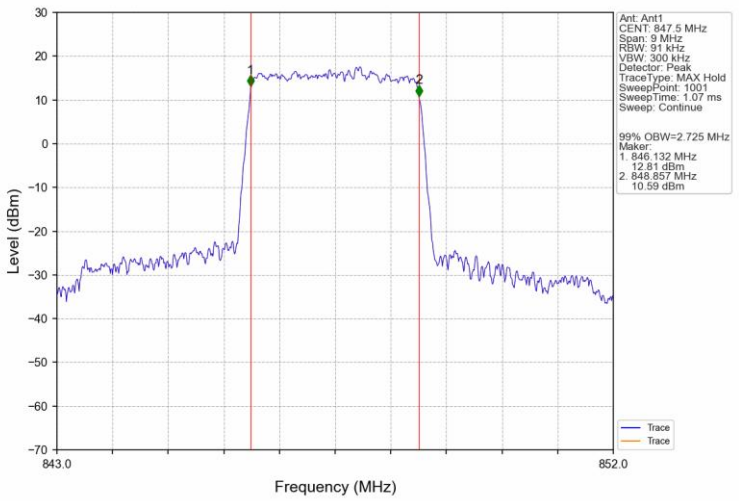
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



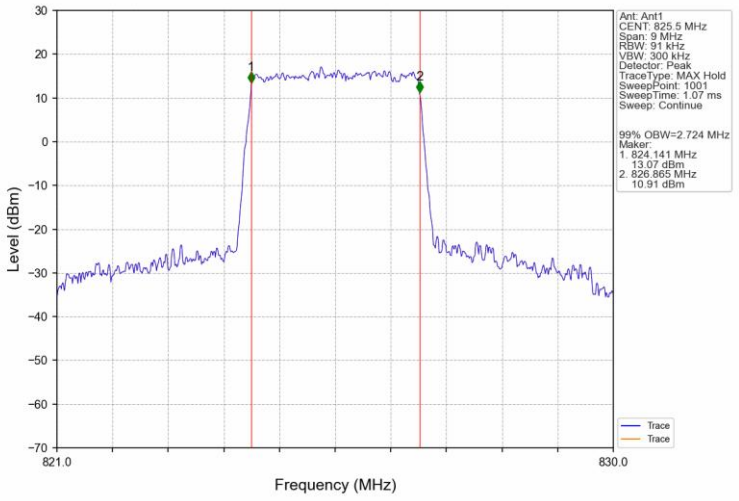
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



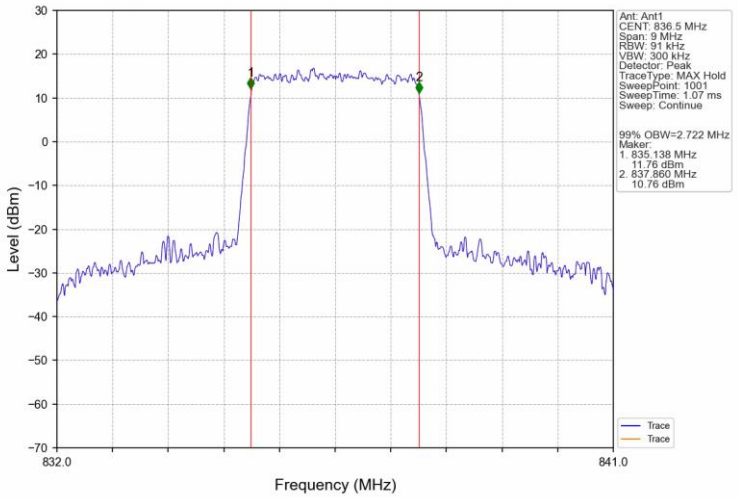
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



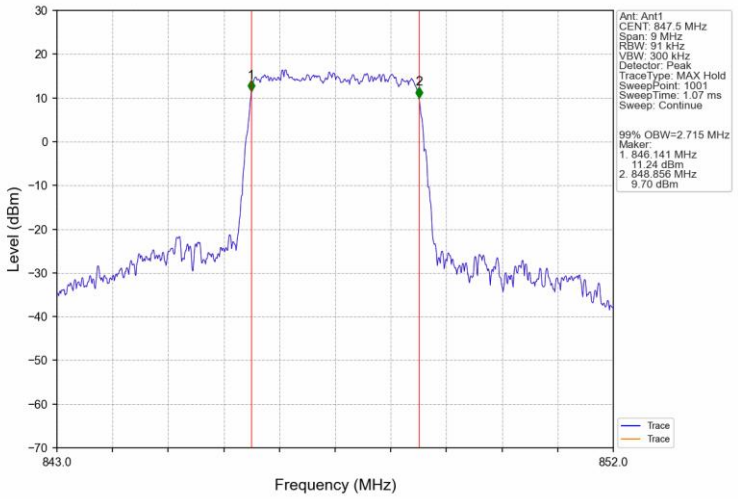
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



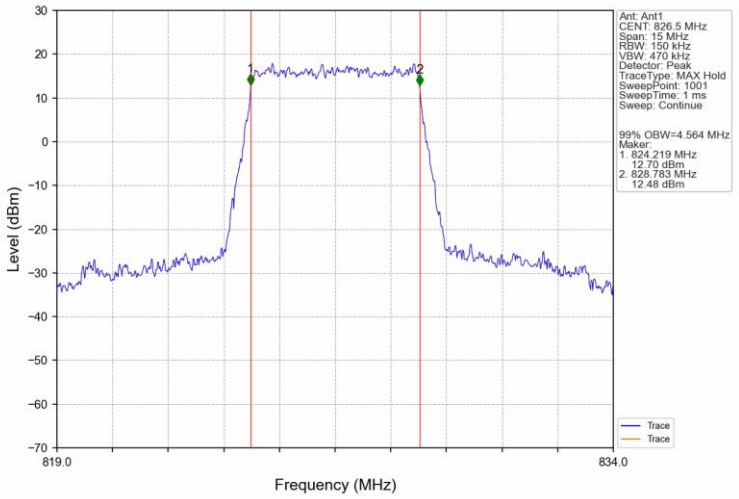
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



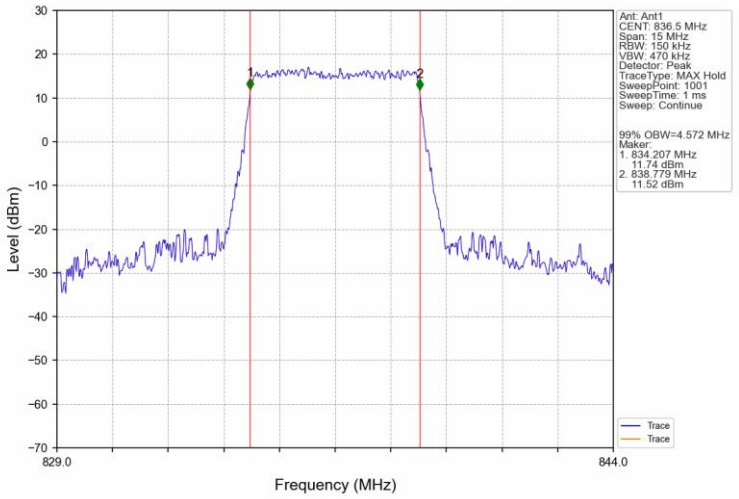
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



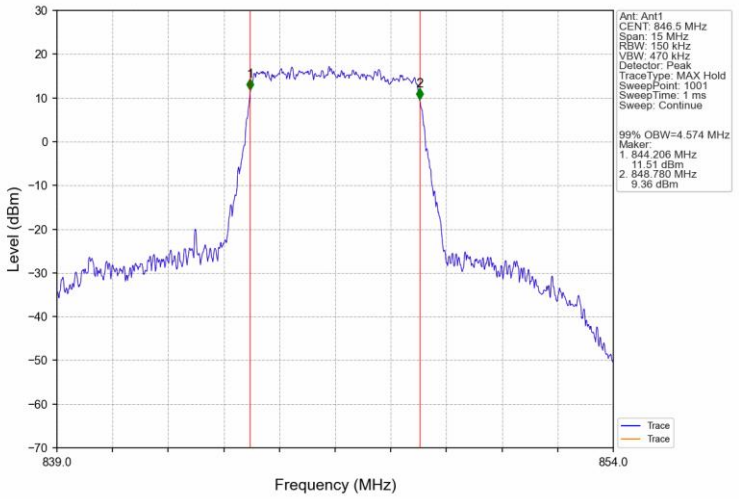
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



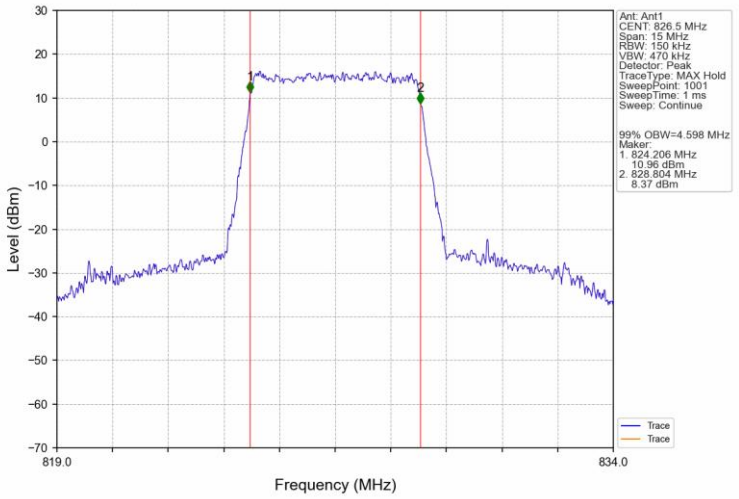
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



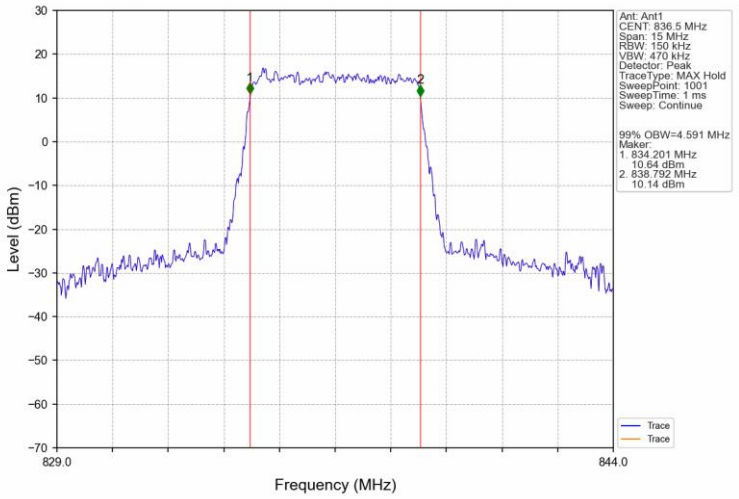
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



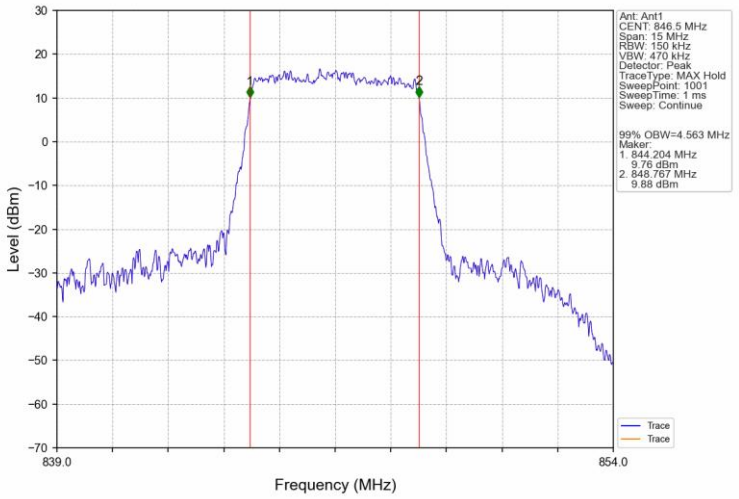
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



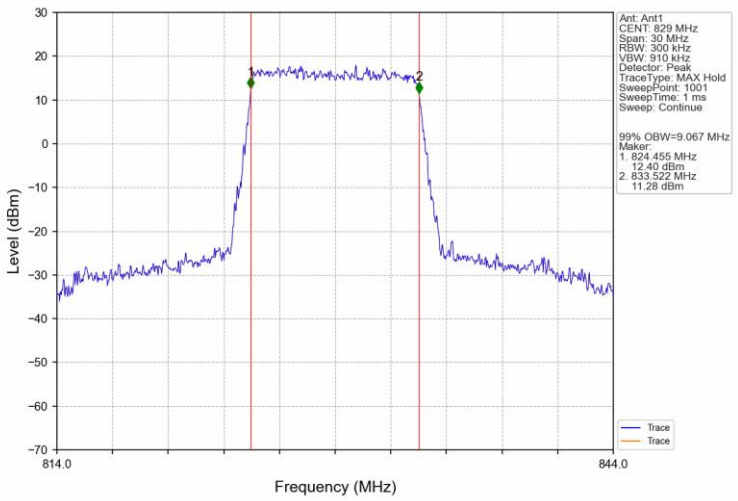
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



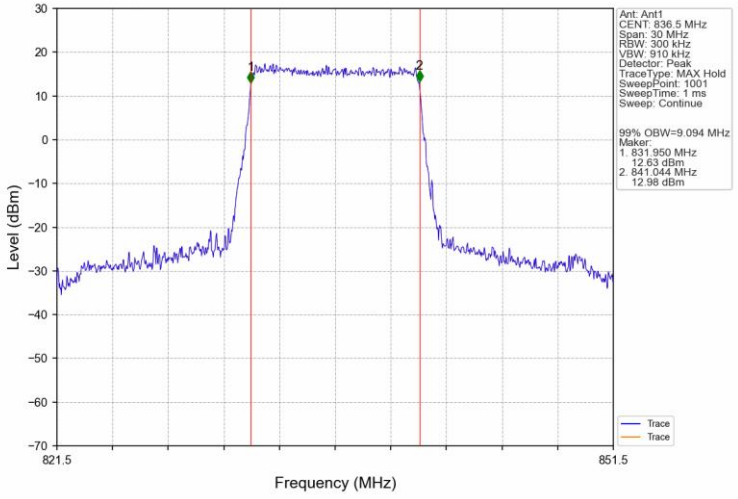
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



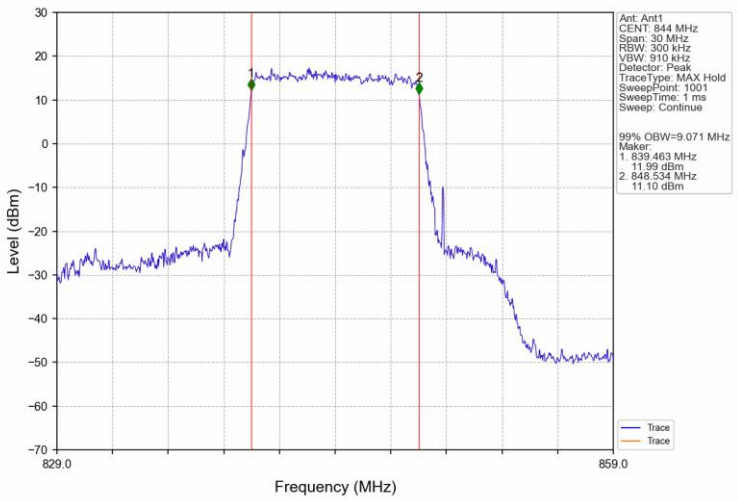
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



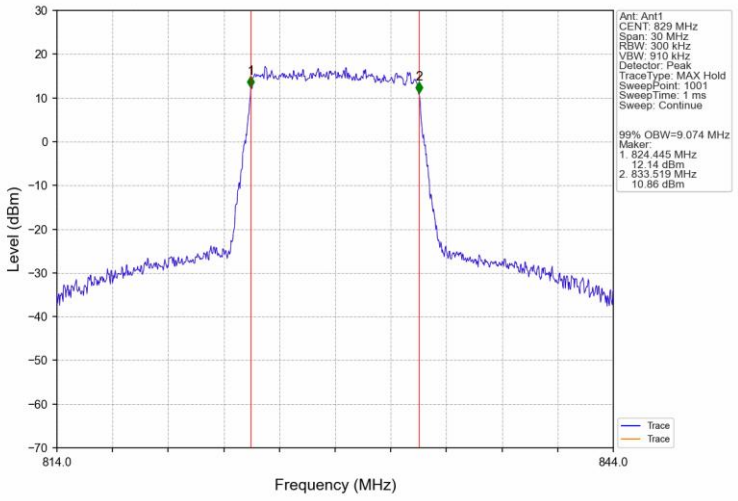
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



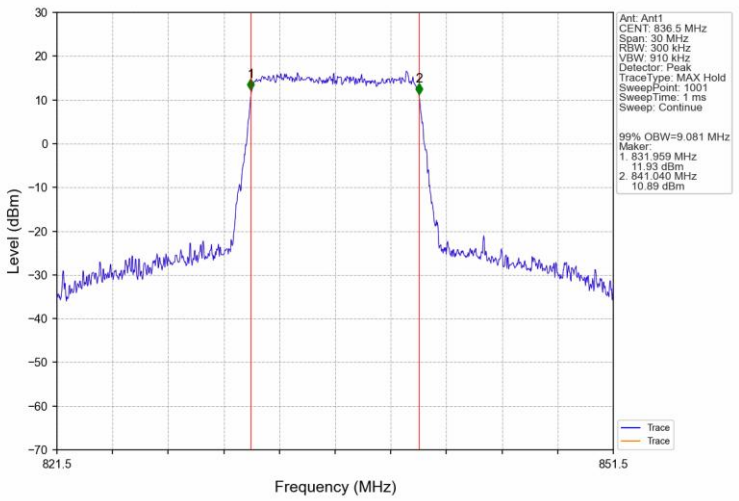
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



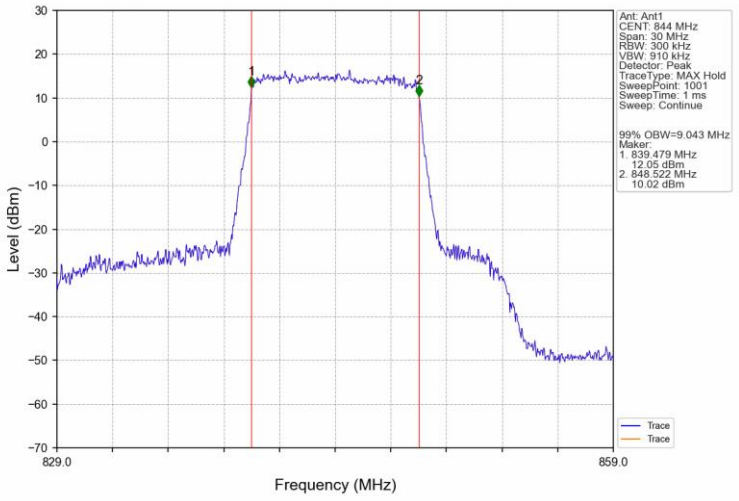
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

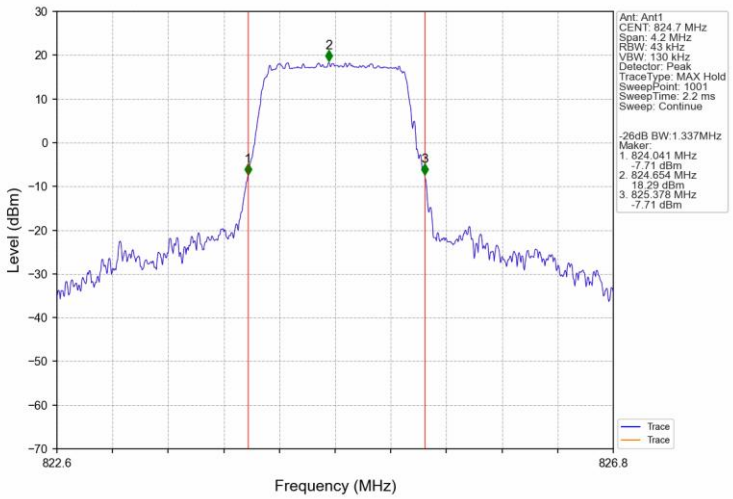


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

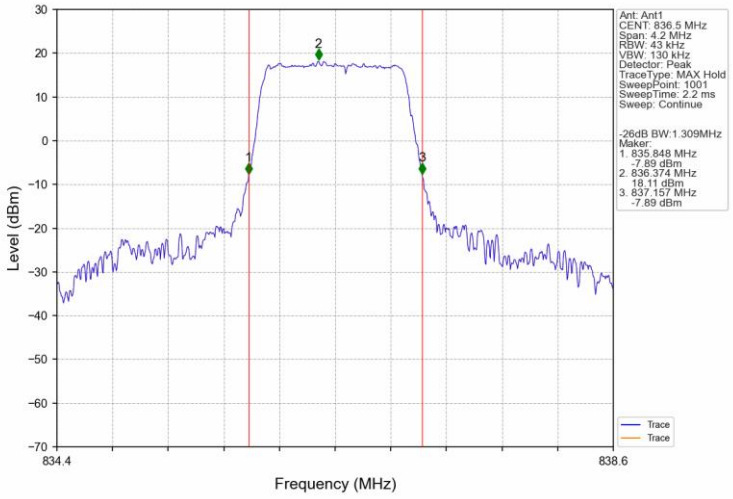


4.2.2 Band5_XDB

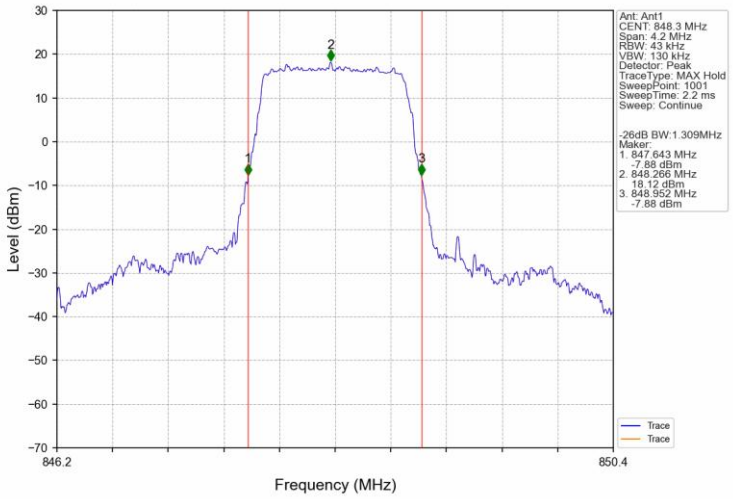
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



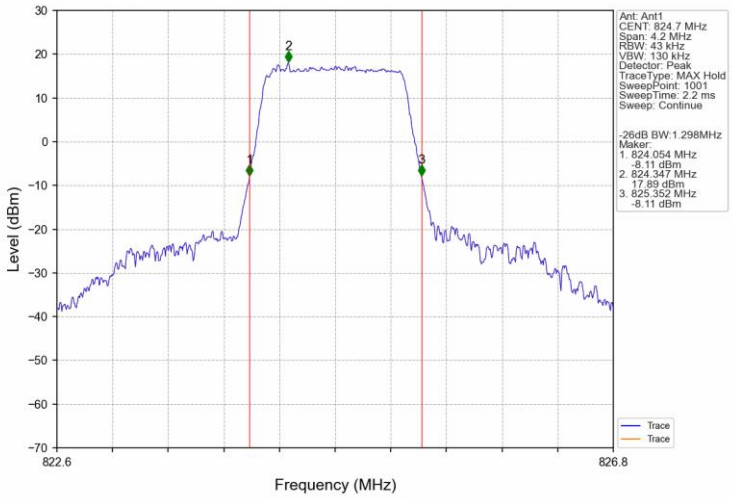
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



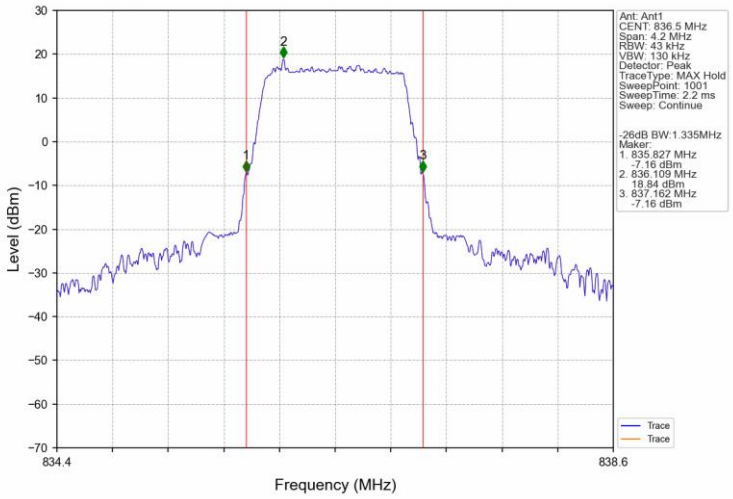
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



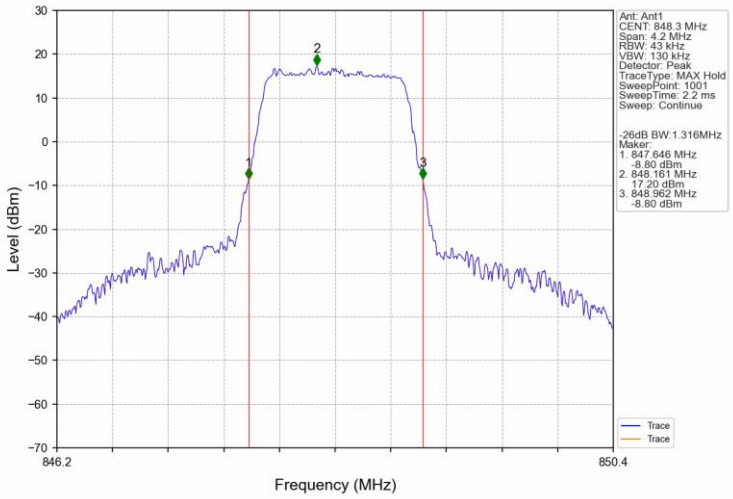
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



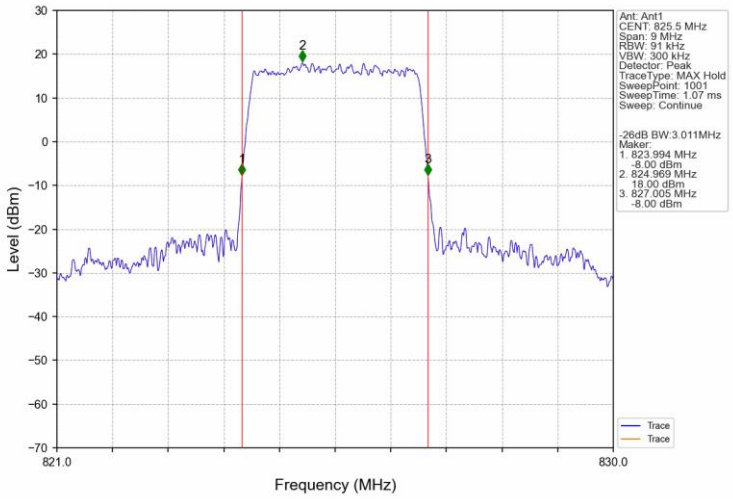
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



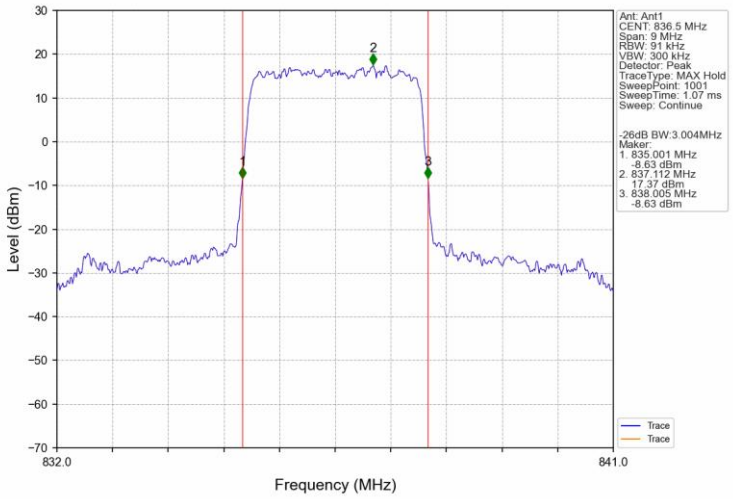
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



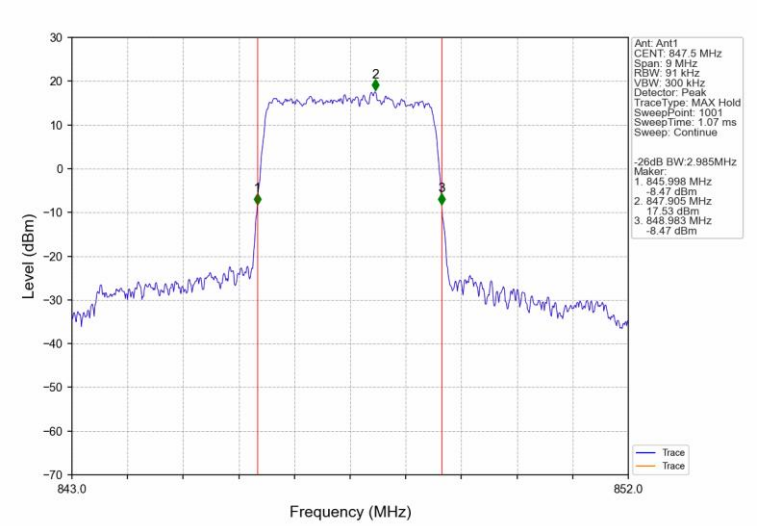
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



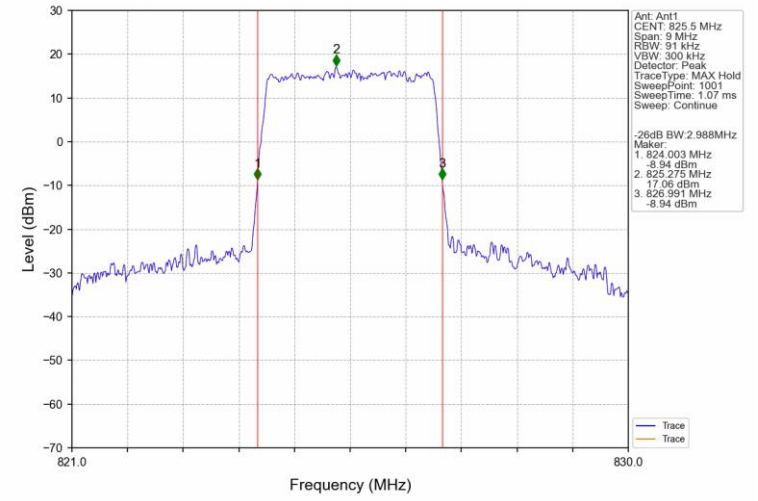
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



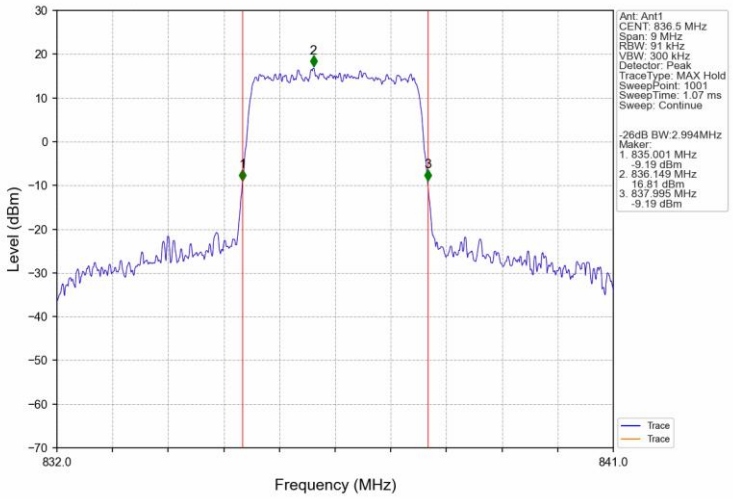
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



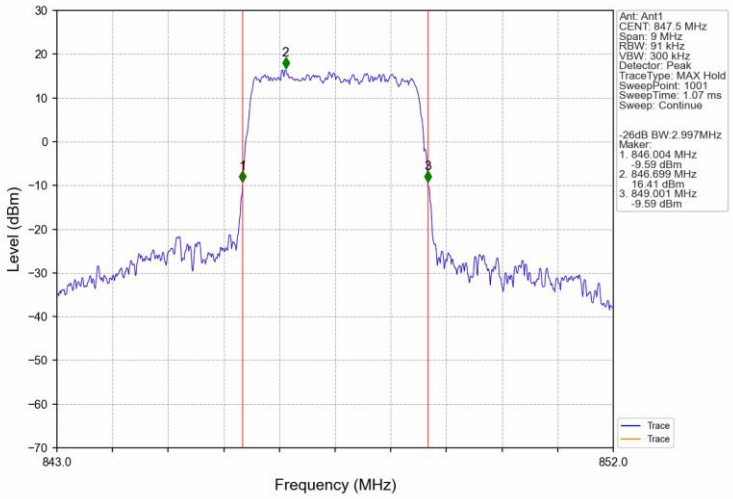
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



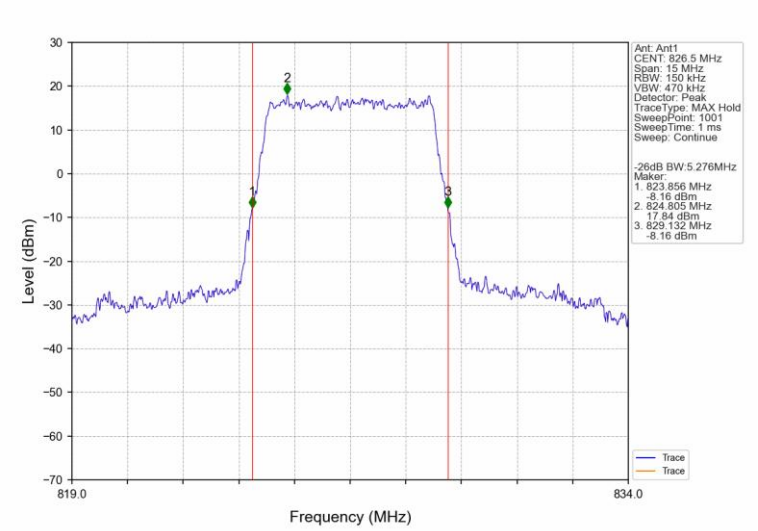
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



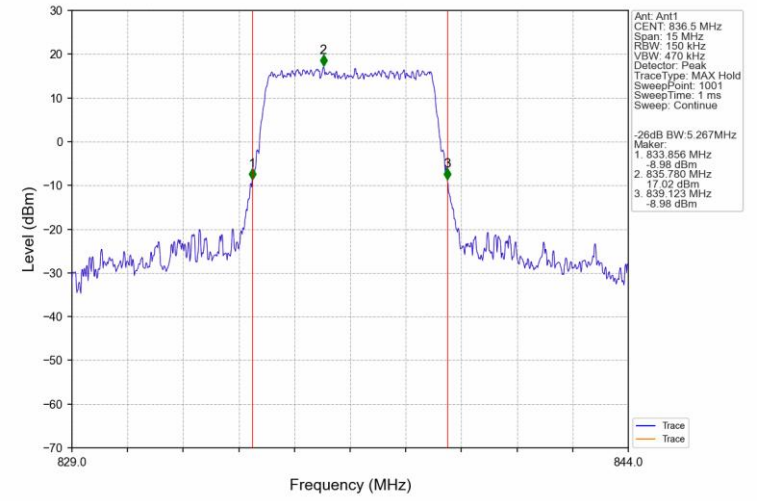
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



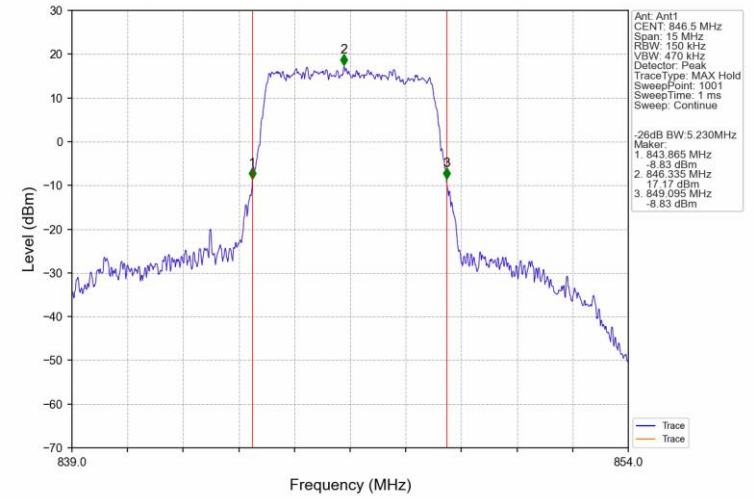
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



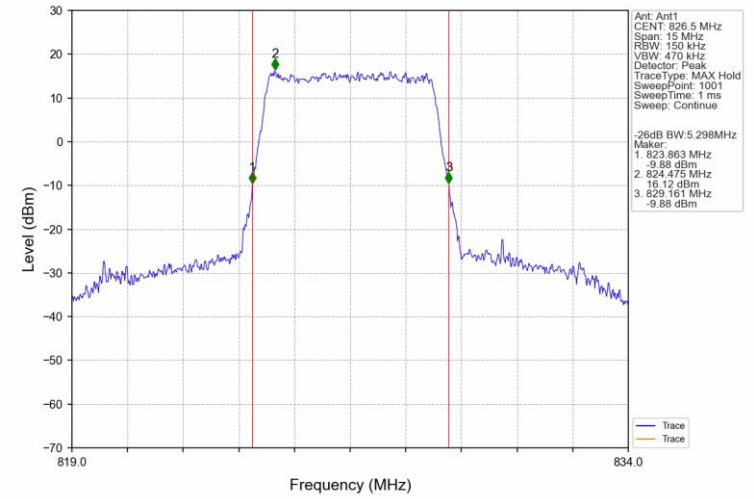
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



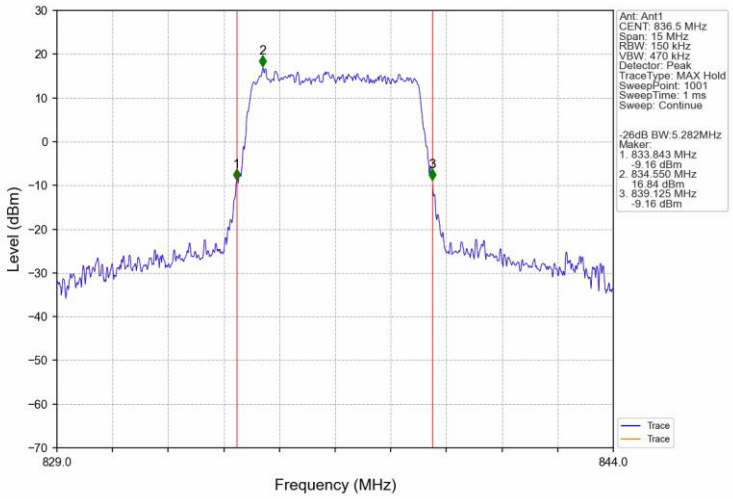
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



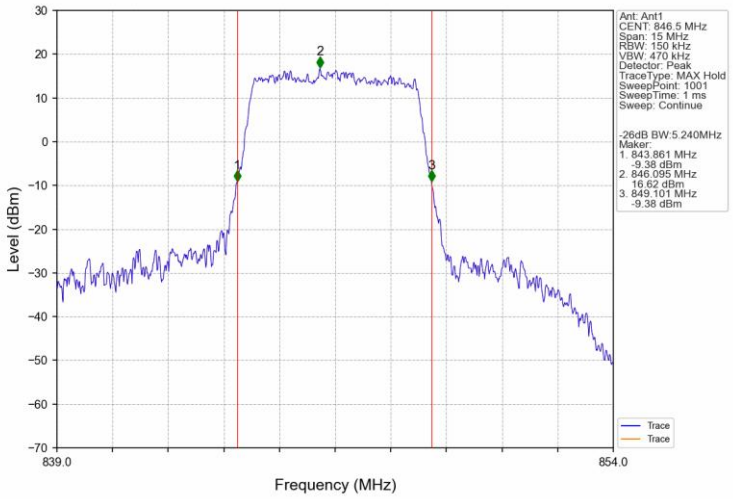
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



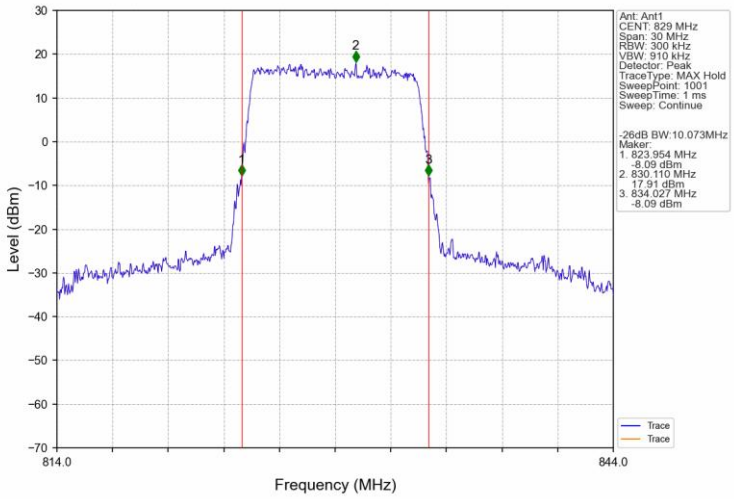
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



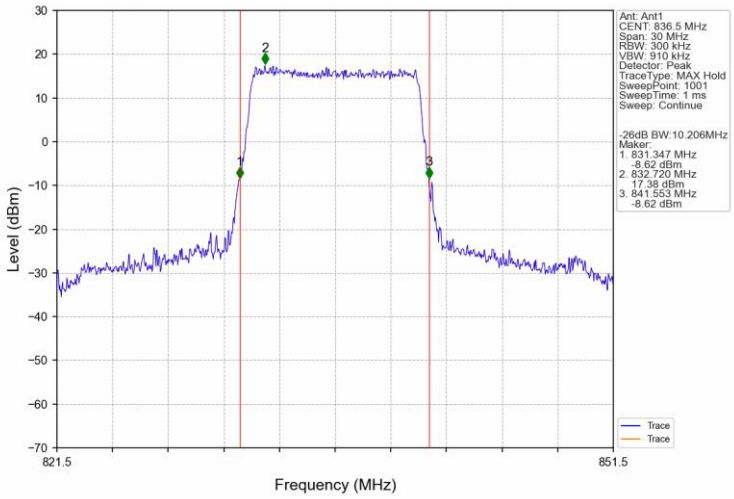
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



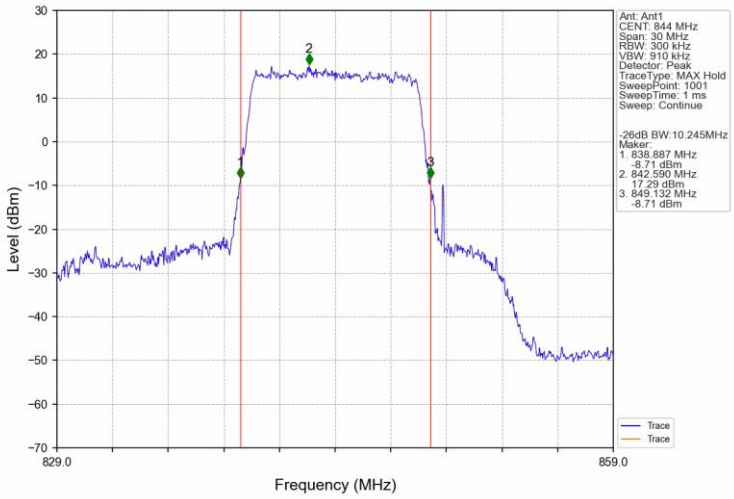
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



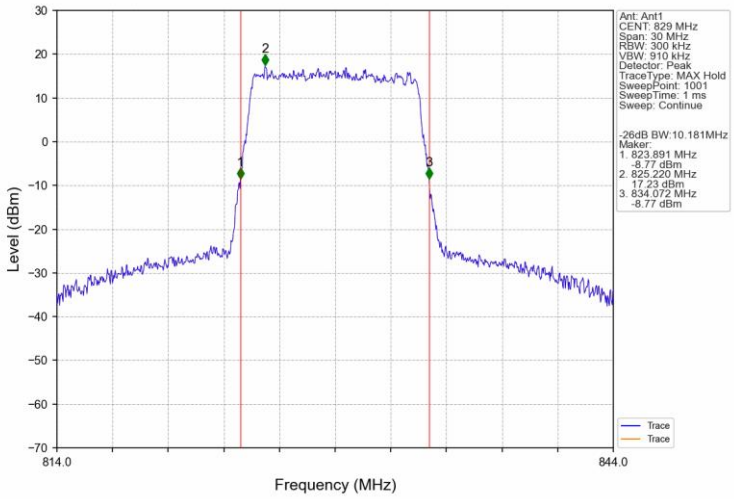
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



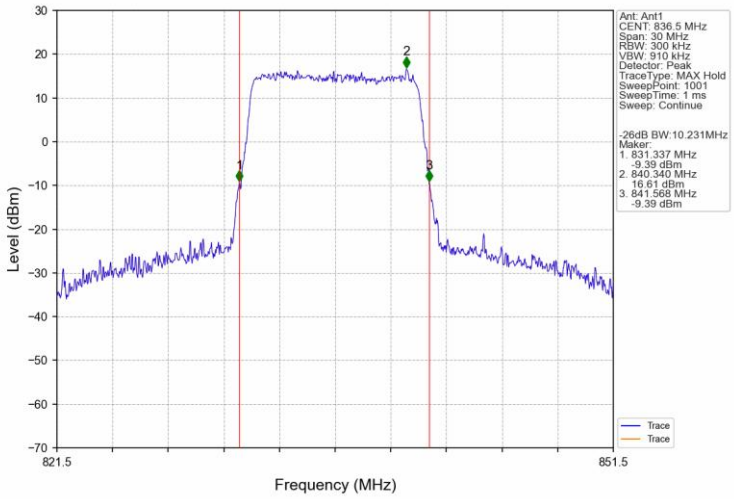
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



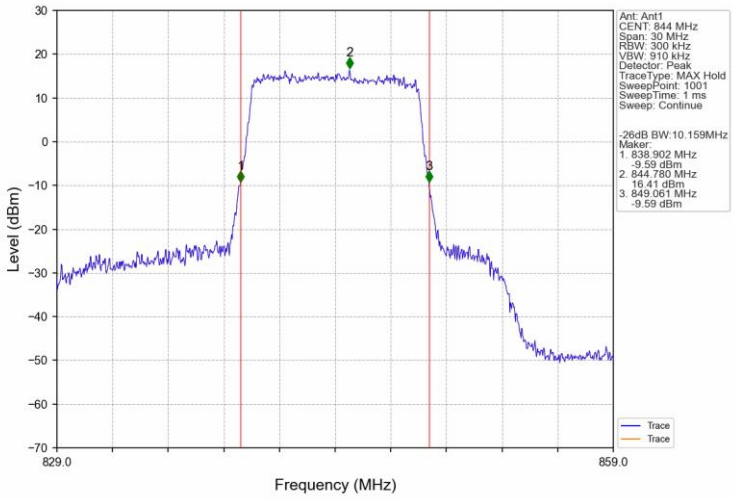
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.49	<=13	Pass
	836.5	6	0	5.63	<=13	Pass
	848.3	6	0	5.43	<=13	Pass
16QAM	824.7	6	0	6.37	<=13	Pass
	836.5	6	0	6.38	<=13	Pass
	848.3	6	0	6.24	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.57	<=13	Pass
	836.5	15	0	5.59	<=13	Pass
	847.5	15	0	5.49	<=13	Pass
16QAM	825.5	15	0	6.37	<=13	Pass
	836.5	15	0	6.44	<=13	Pass
	847.5	15	0	6.33	<=13	Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.70	<=13	Pass
	836.5	25	0	5.76	<=13	Pass
	846.5	25	0	5.57	<=13	Pass
16QAM	826.5	25	0	6.42	<=13	Pass
	836.5	25	0	6.46	<=13	Pass
	846.5	25	0	6.26	<=13	Pass

5.1.4 B5_10MHz

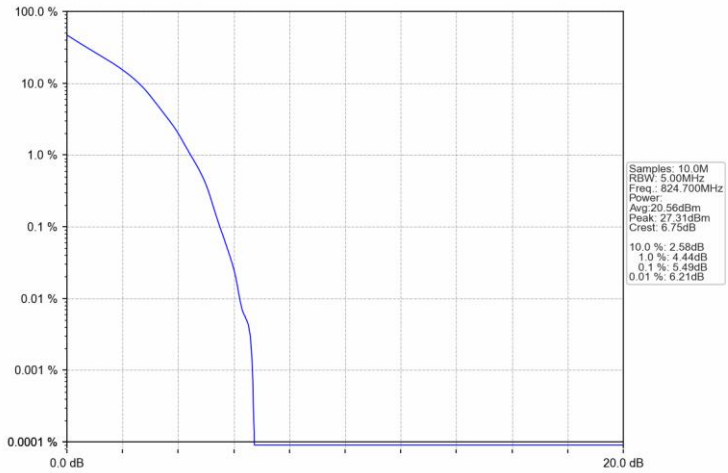
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.67	<=13	Pass
	836.5	50	0	5.73	<=13	Pass
	844	50	0	5.55	<=13	Pass
16QAM	829	50	0	6.44	<=13	Pass
	836.5	50	0	6.49	<=13	Pass

	844	50	0	6.27	<=13	Pass

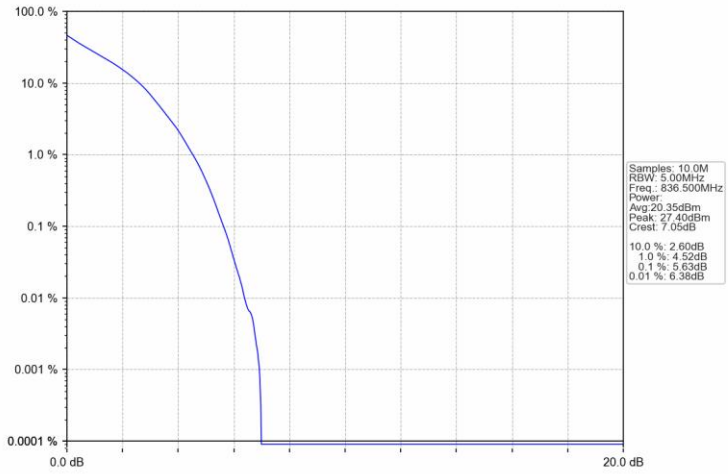
5.2 Test Graph

5.2.1 B5_1.4MHz

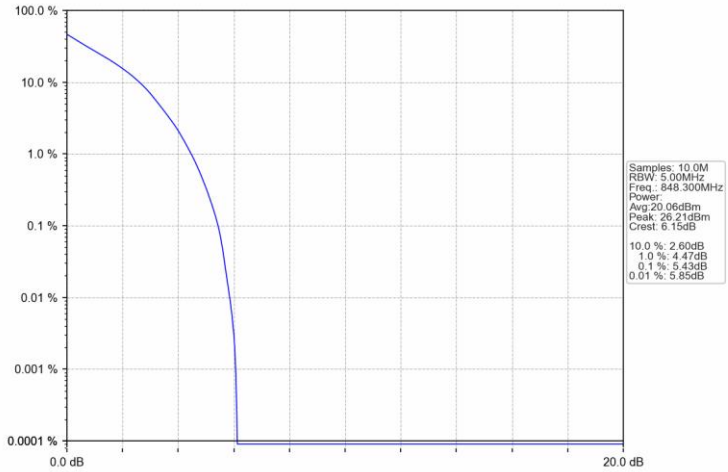
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



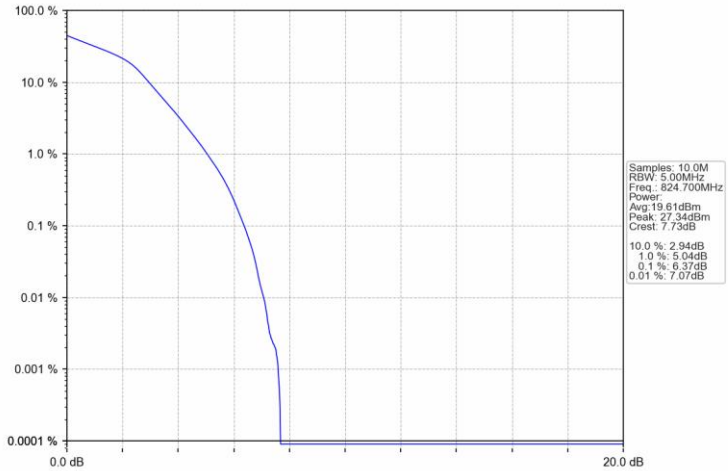
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



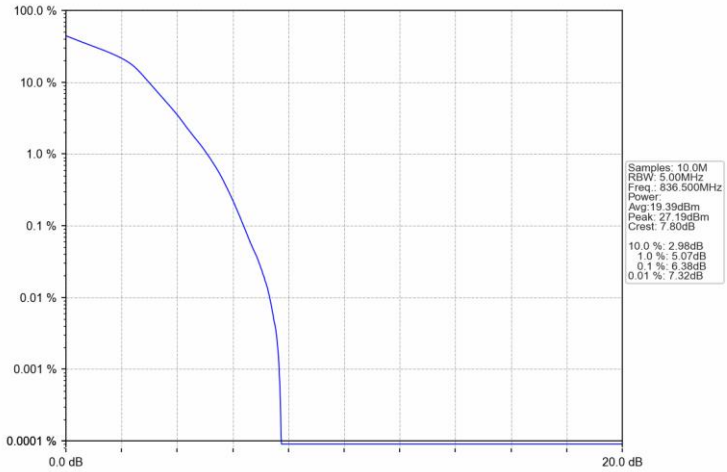
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



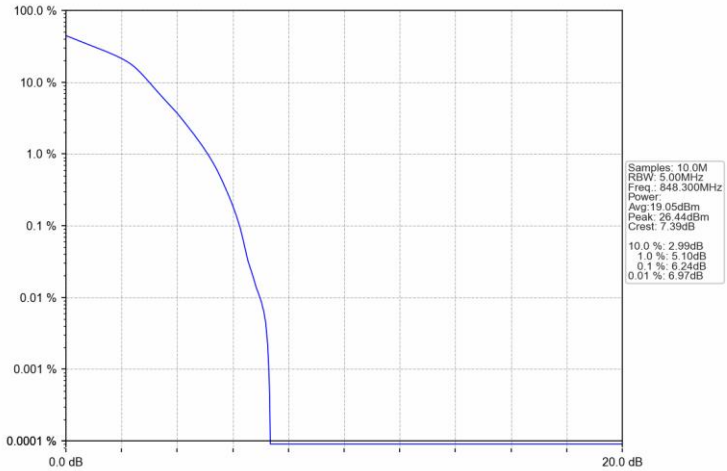
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

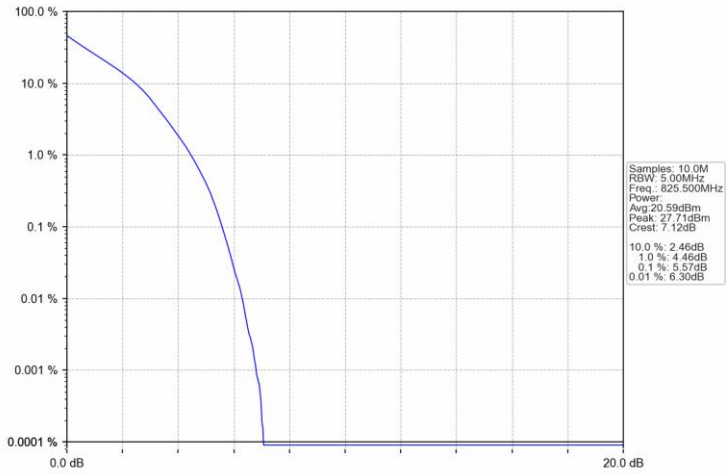


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

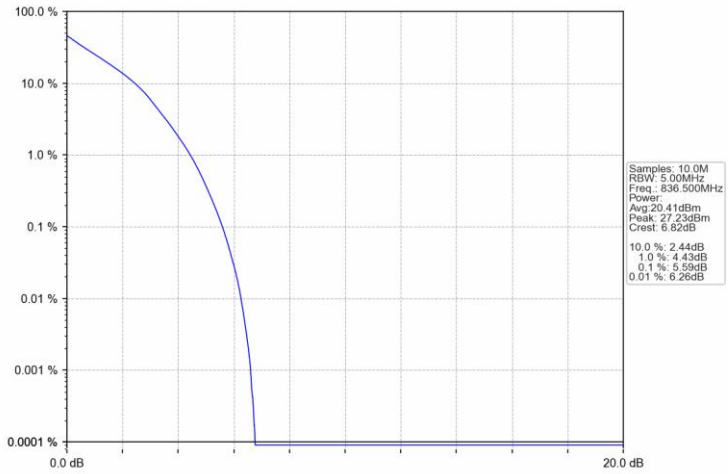


5.2.2 B5_3MHz

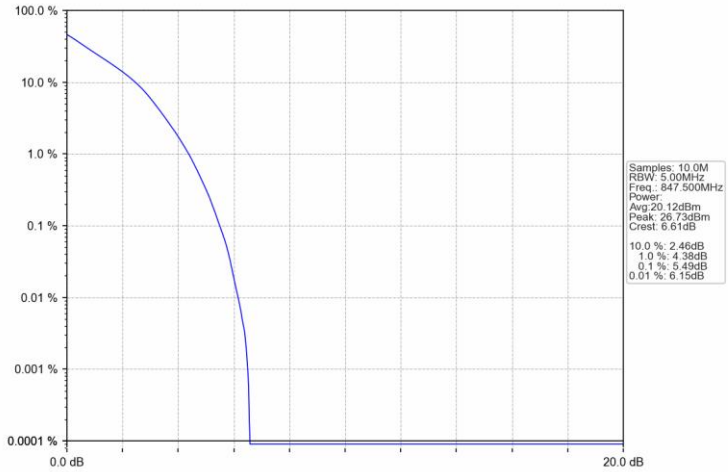
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



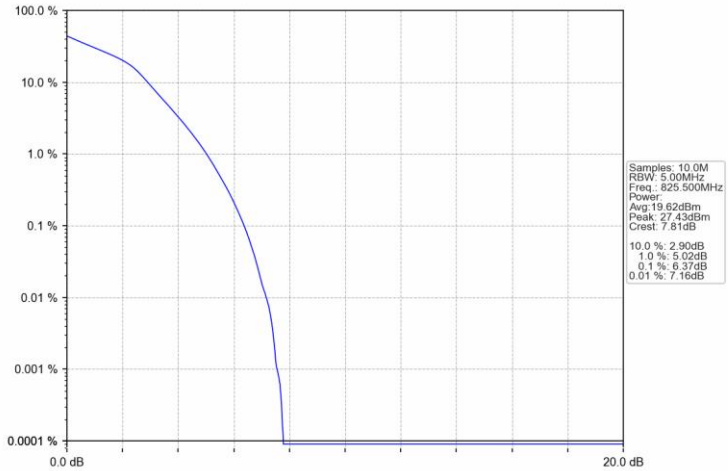
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



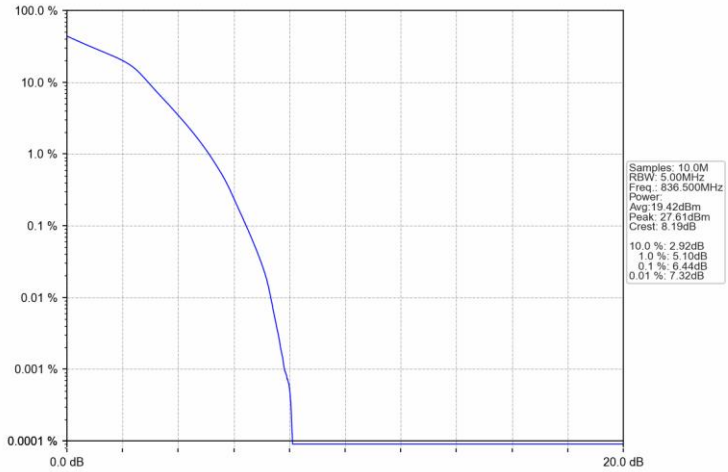
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



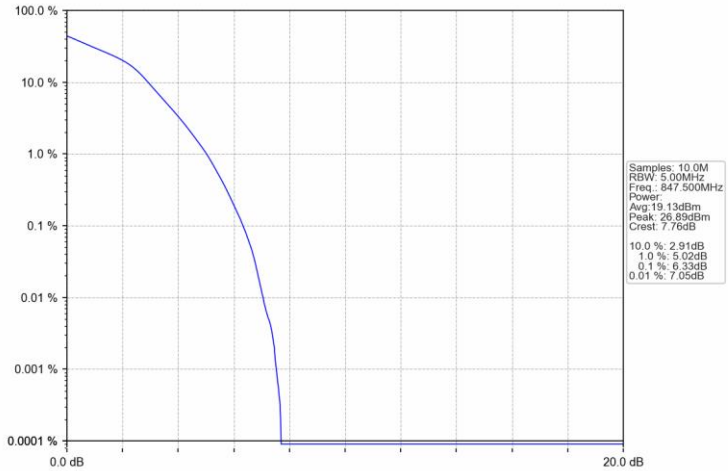
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

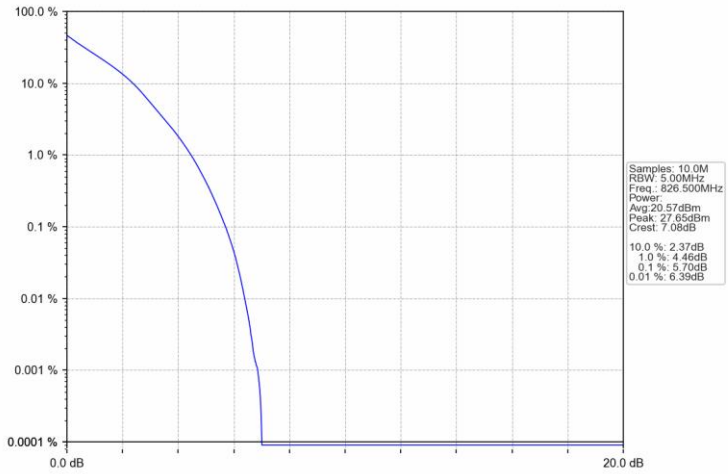


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

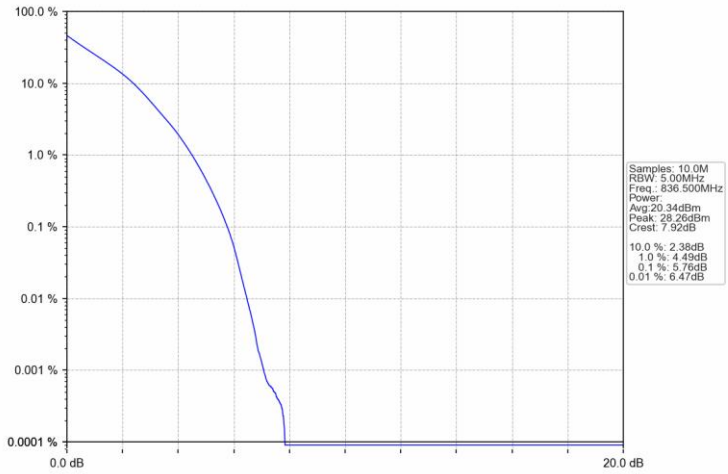


5.2.3 B5_5MHz

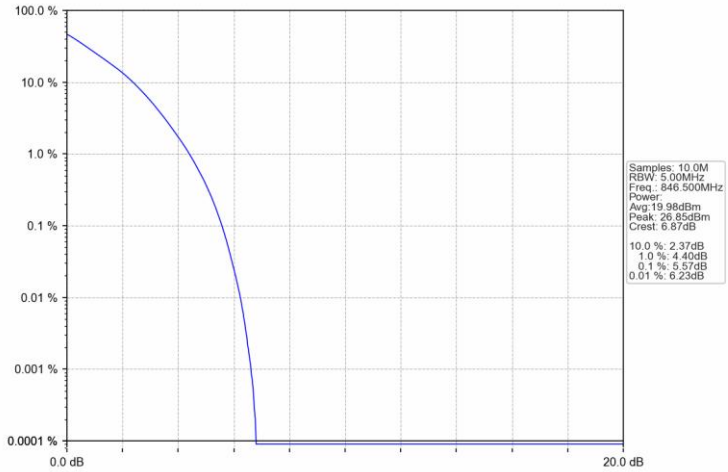
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



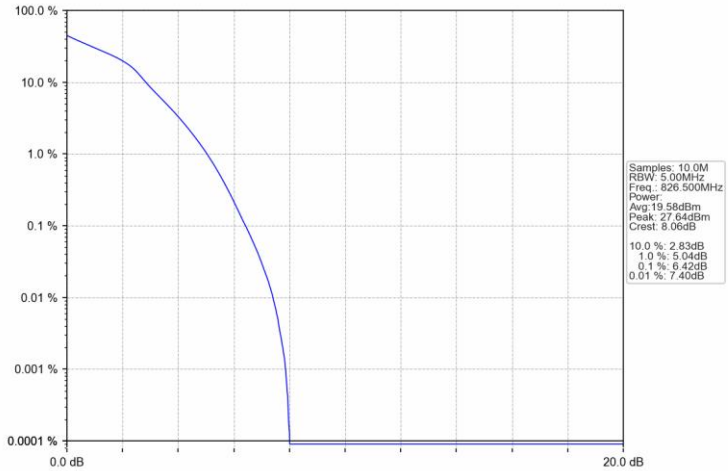
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



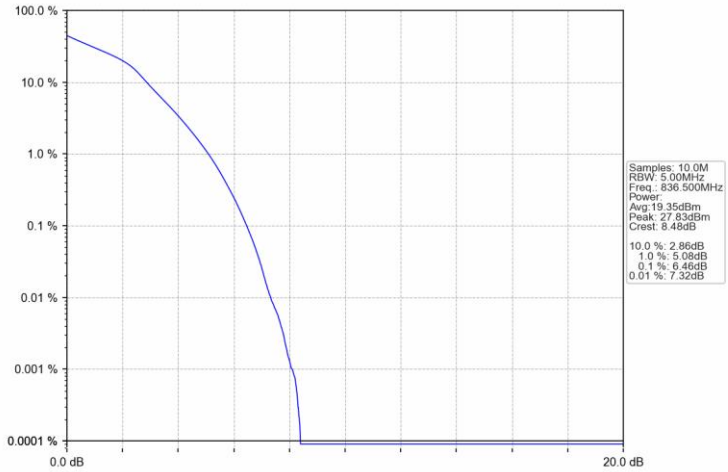
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



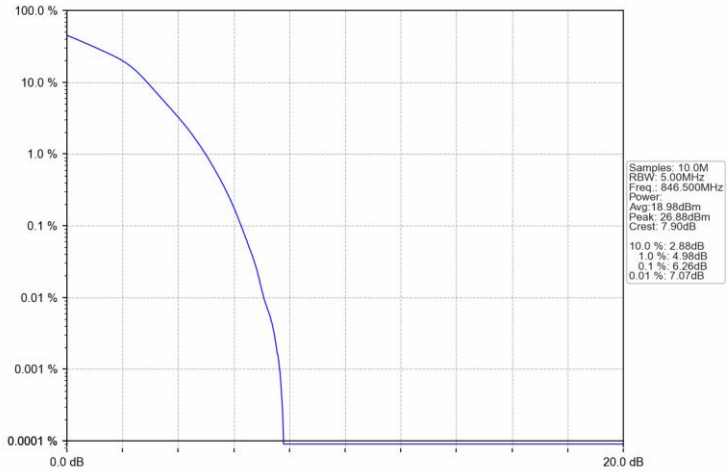
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

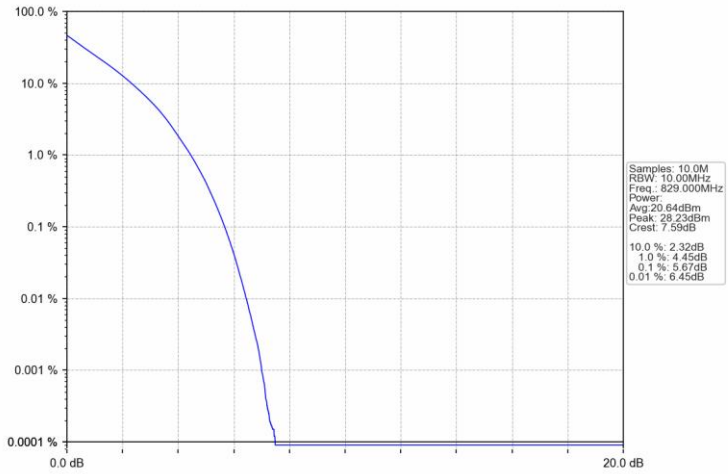


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

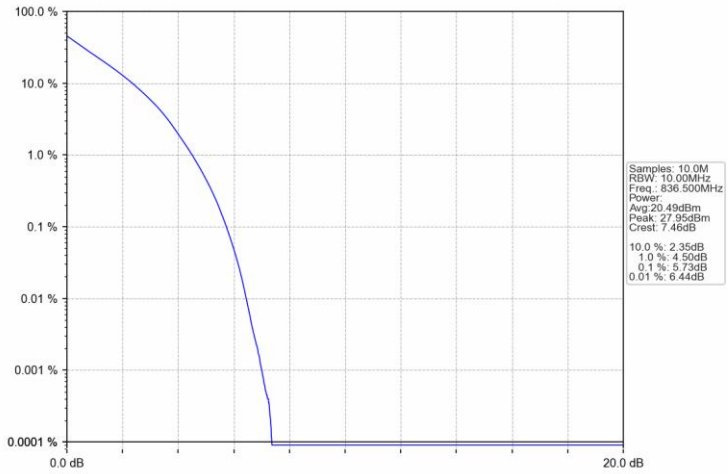


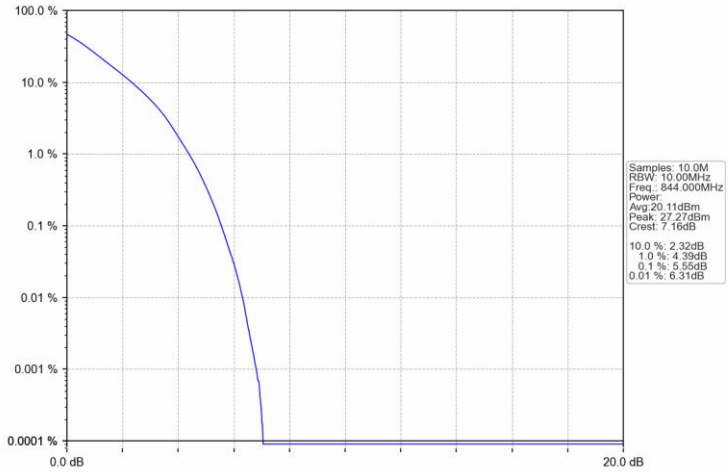
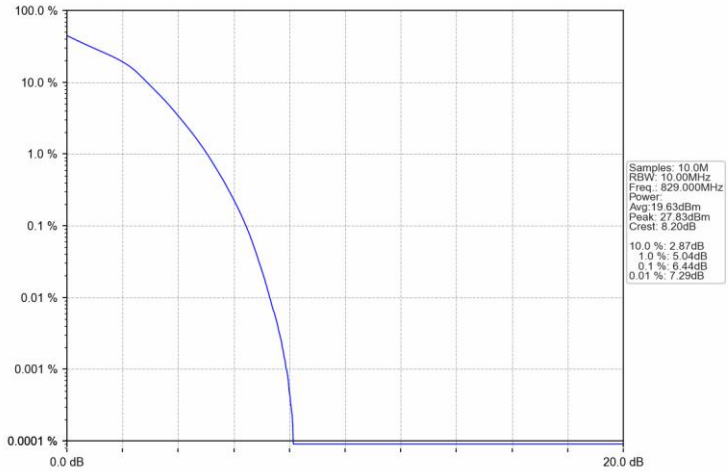
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

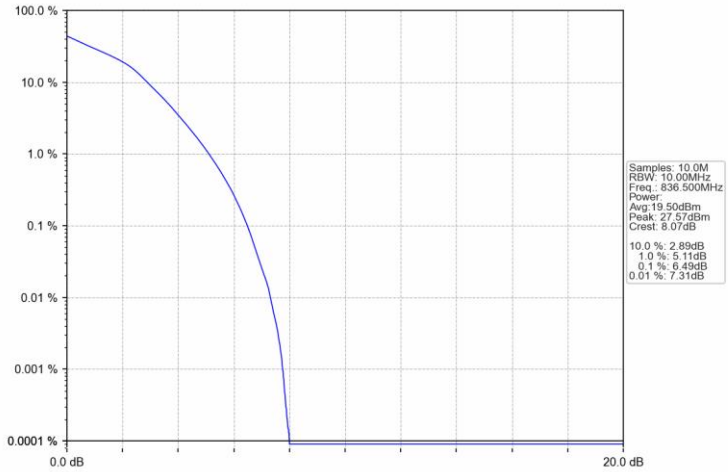


Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

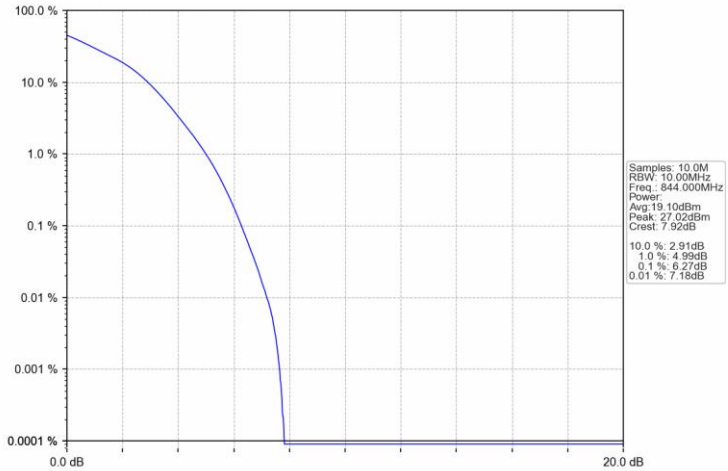


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass

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

6.1.4 B5_10MHz

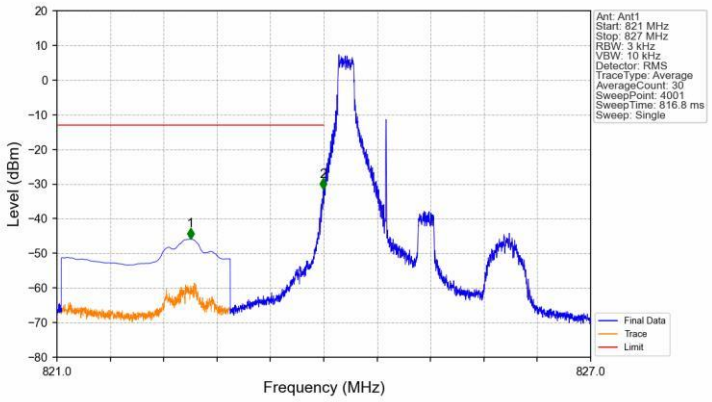
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

6.2 Test Graph

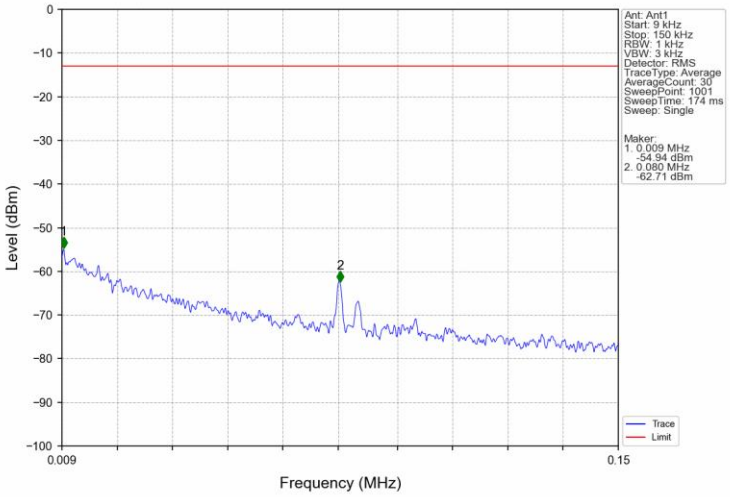
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

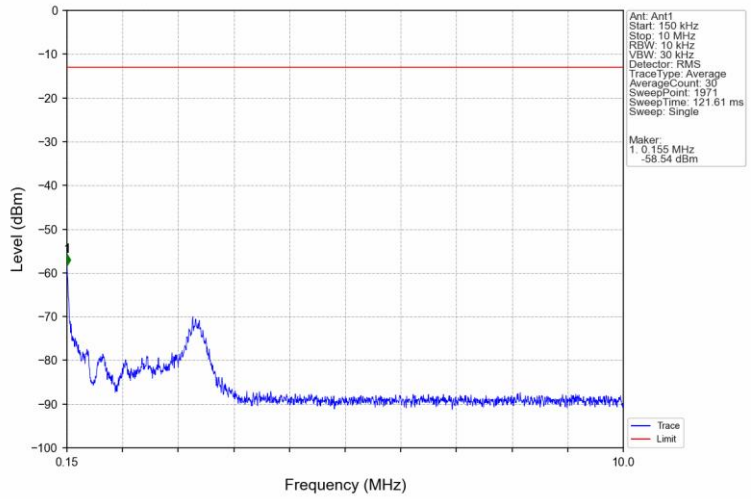


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.503	-45.79	-13	Pass
823	824	0.003	/	2	823.995	-31.57	-13	Pass
824	827	0.003	/	/	/	/	/	/

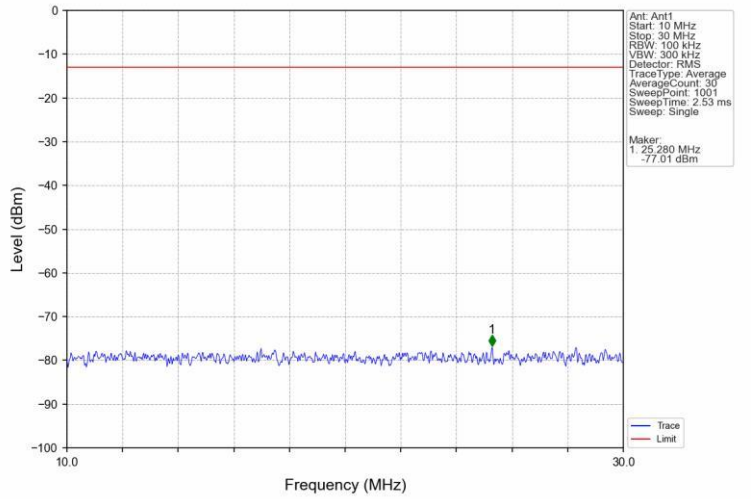
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



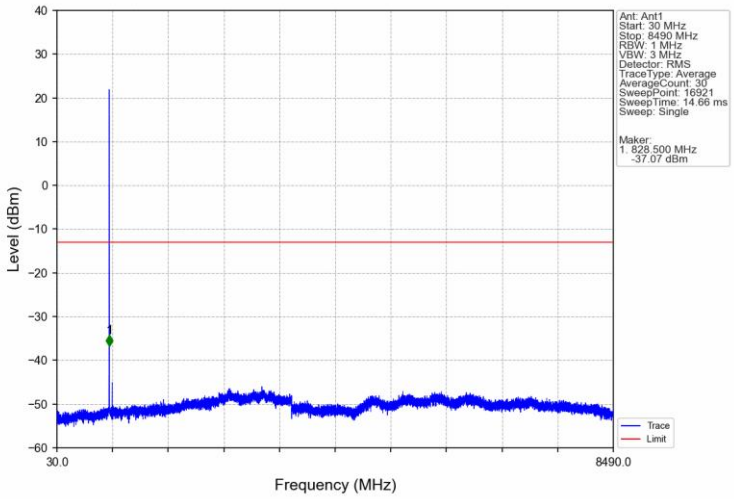
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



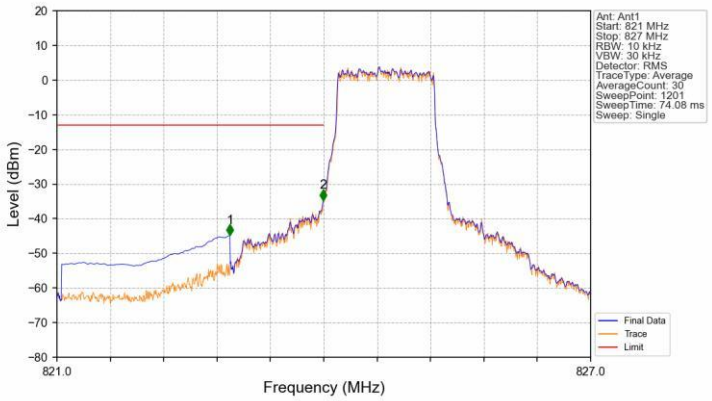
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

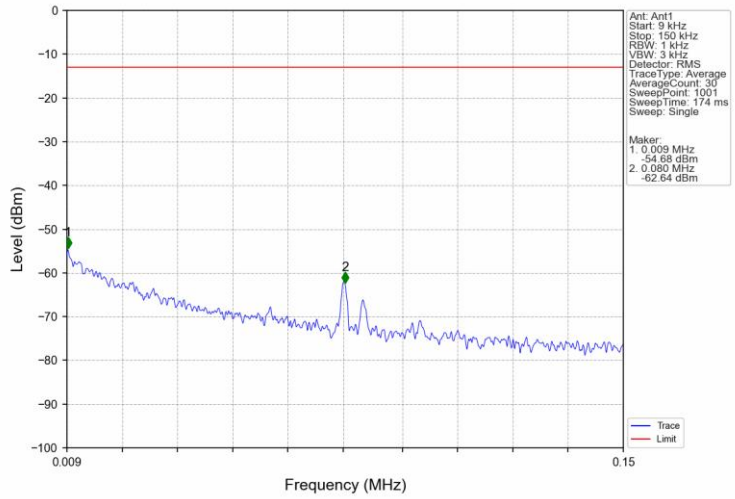


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

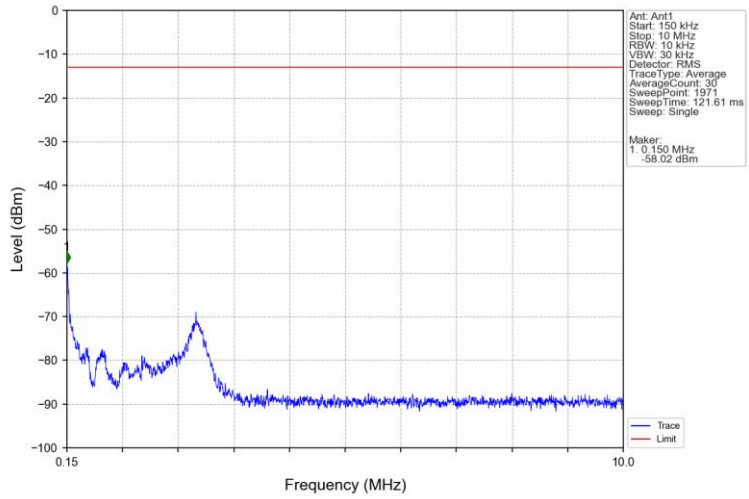


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-44.83	-13	Pass
823	824	0.013	CHP	2	823.995	-34.68	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

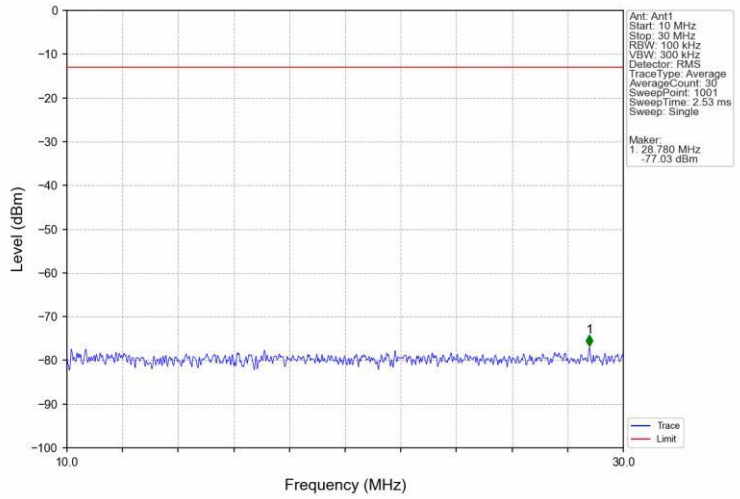
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



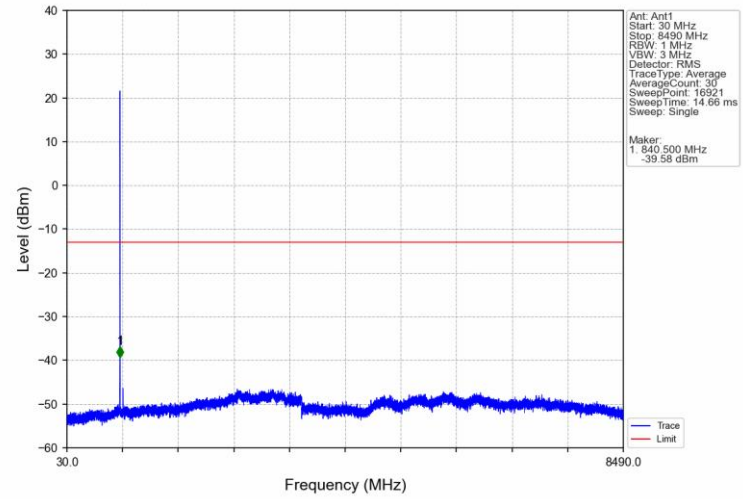
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



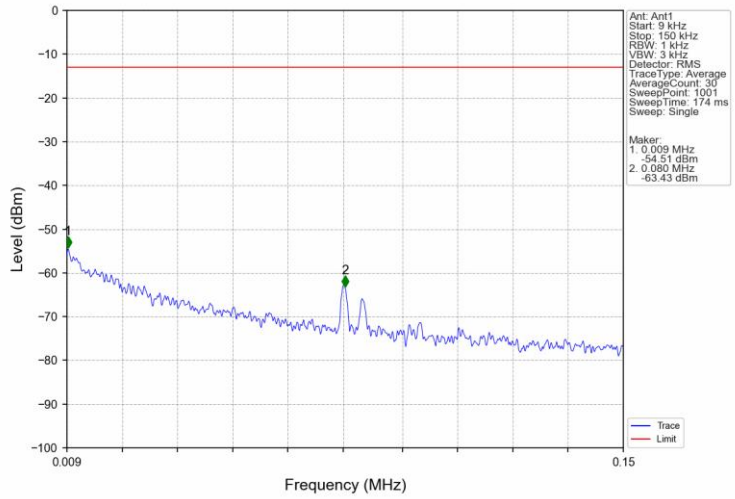
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



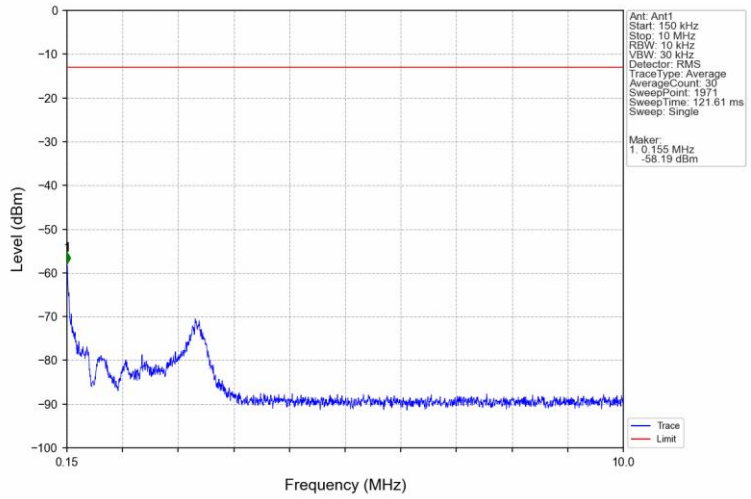
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



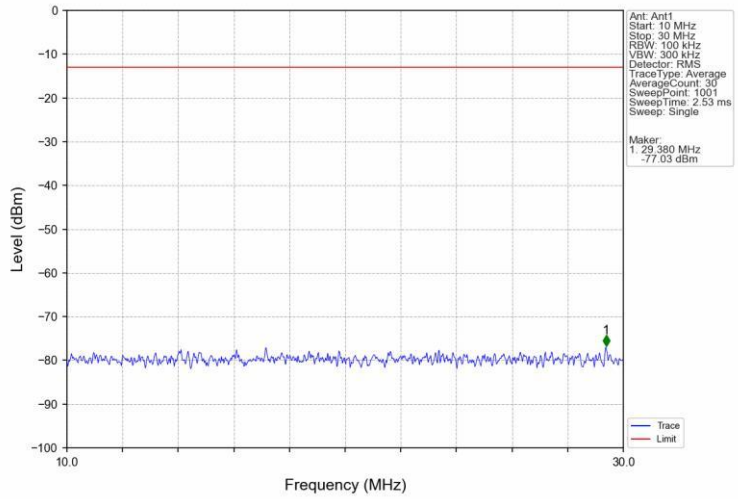
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



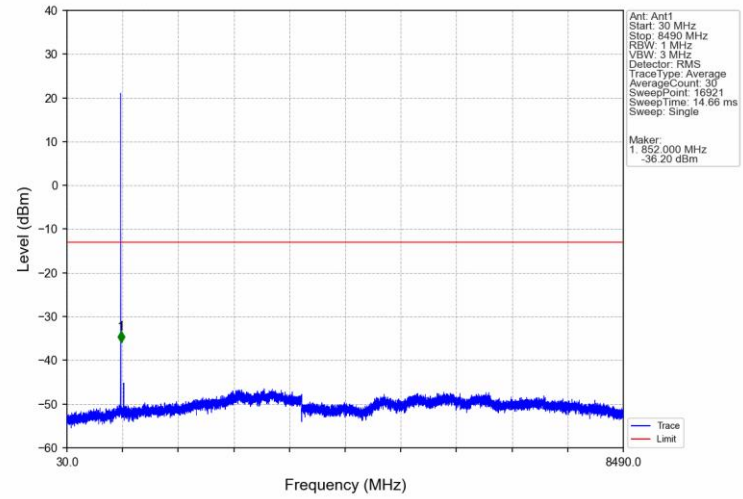
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



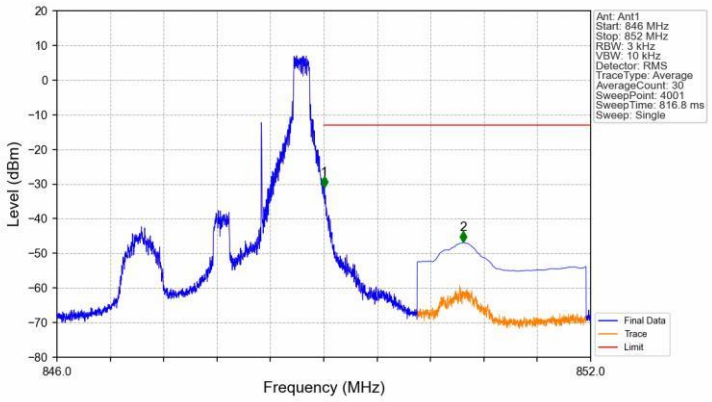
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

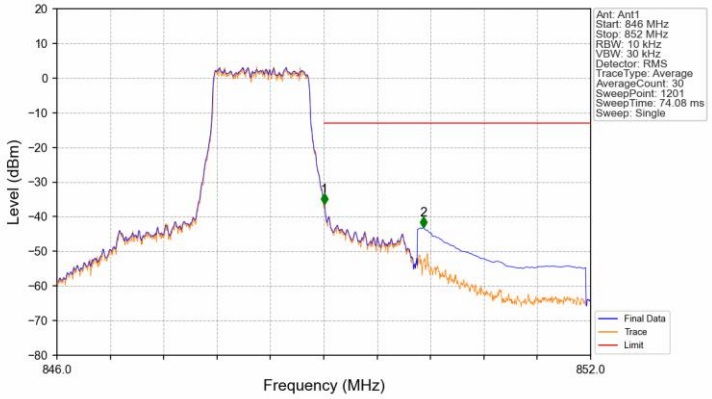


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



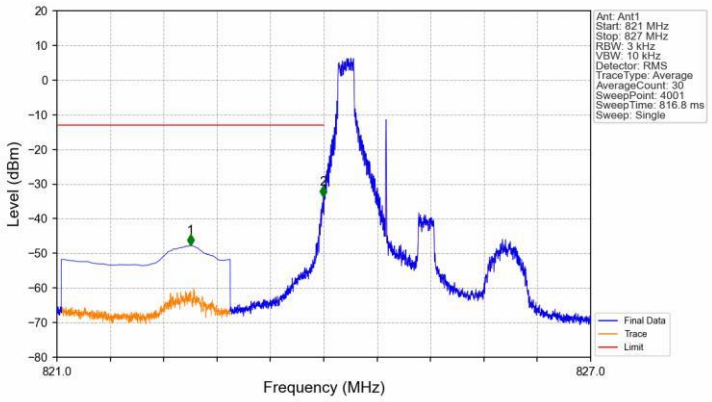
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-30.97	-13	Pass
850	852	0.1	CHP	2	850.571	-46.85	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



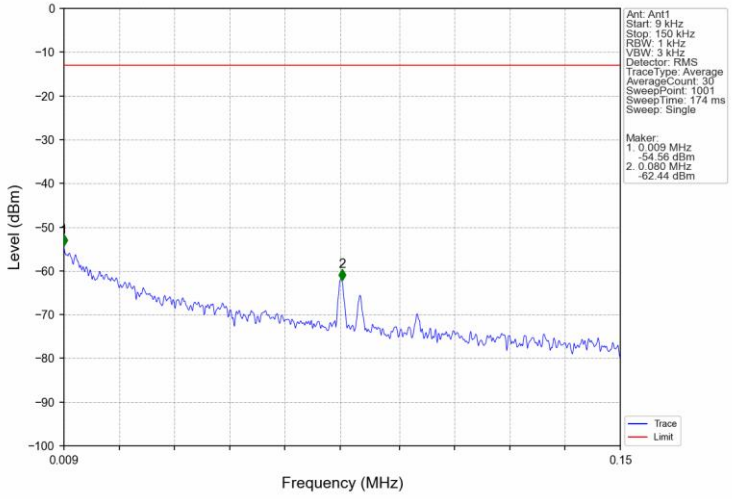
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-36.49	-13	Pass
850	852	0.1	CHP	2	850.120	-43.15	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

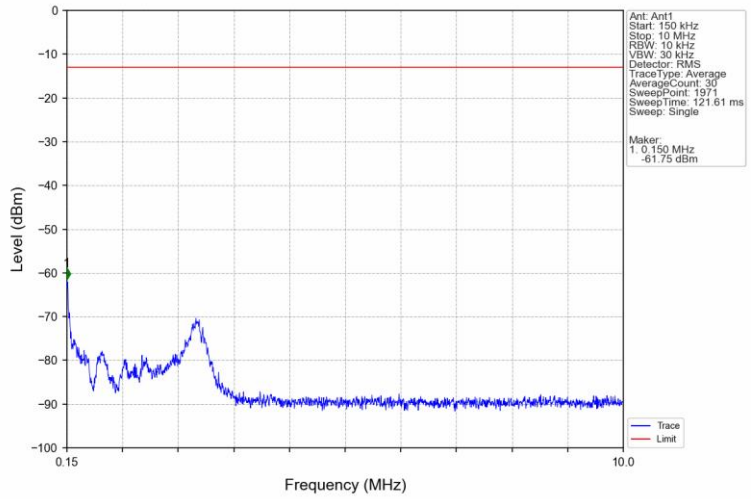


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.501	-47.73	-13	Pass
823	824	0.003	/	2	823.995	-33.64	-13	Pass
824	827	0.003	/	/	/	/	/	/

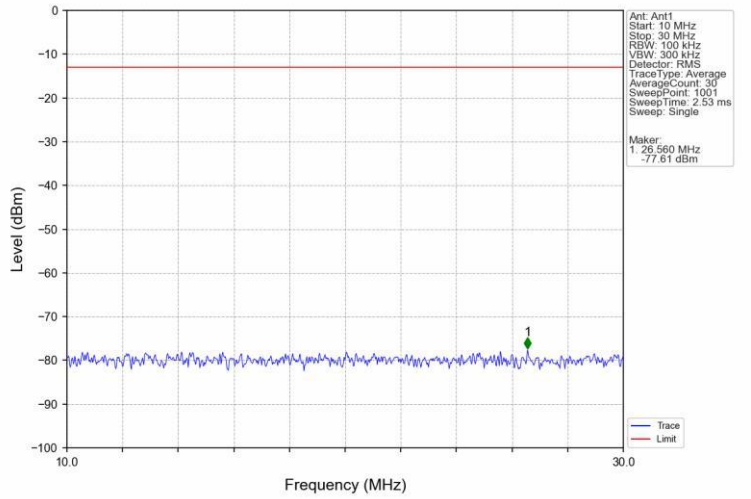
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



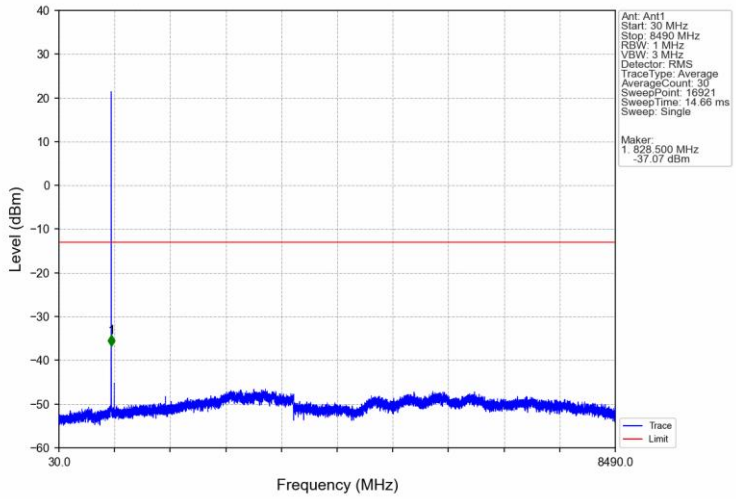
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



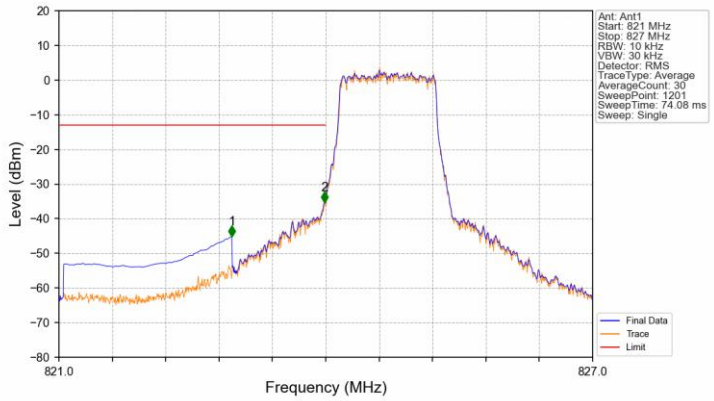
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

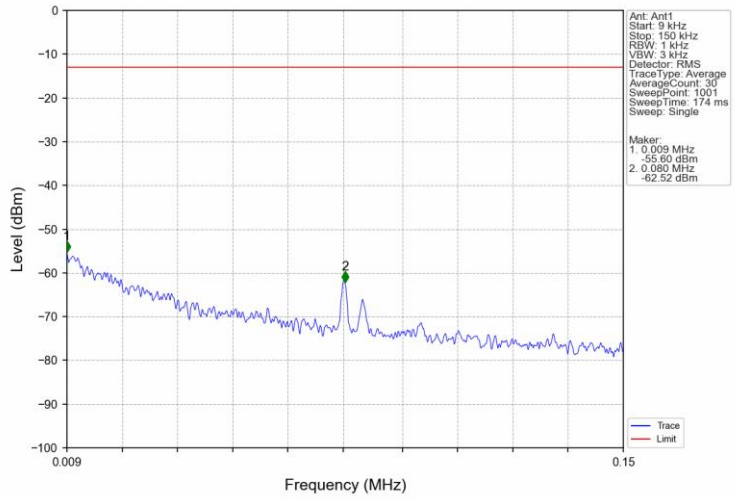


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

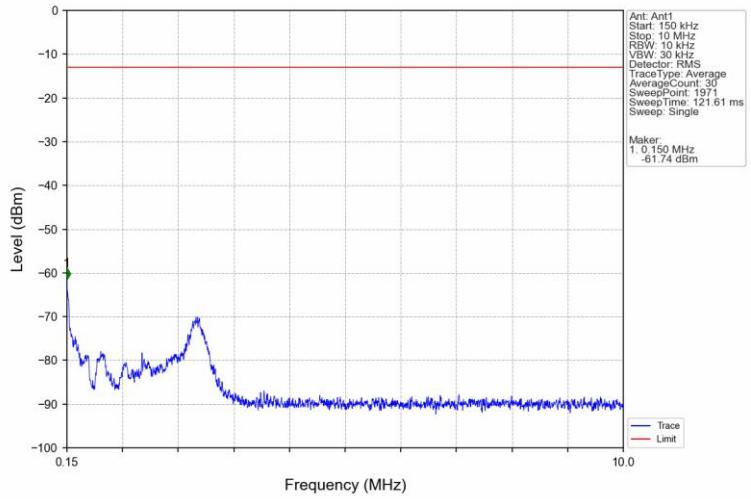


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-45.22	-13	Pass
823	824	0.013	CHP	2	823.985	-35.27	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

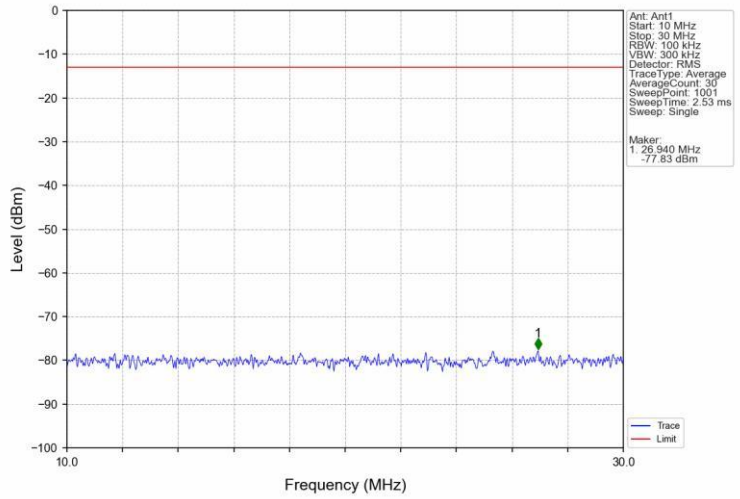
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



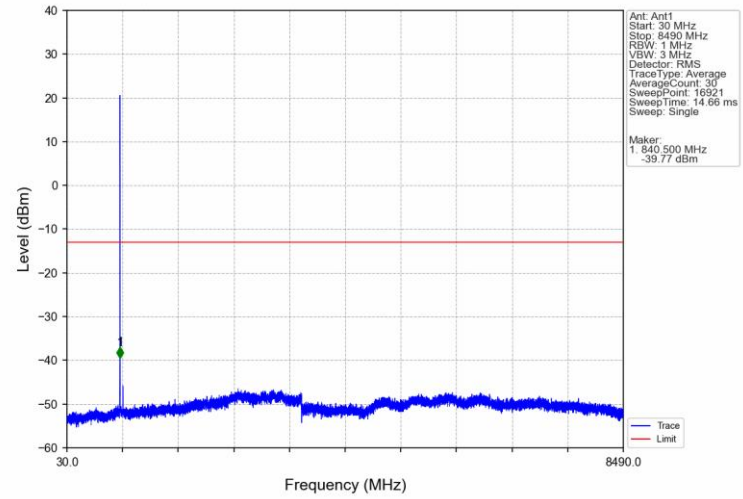
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



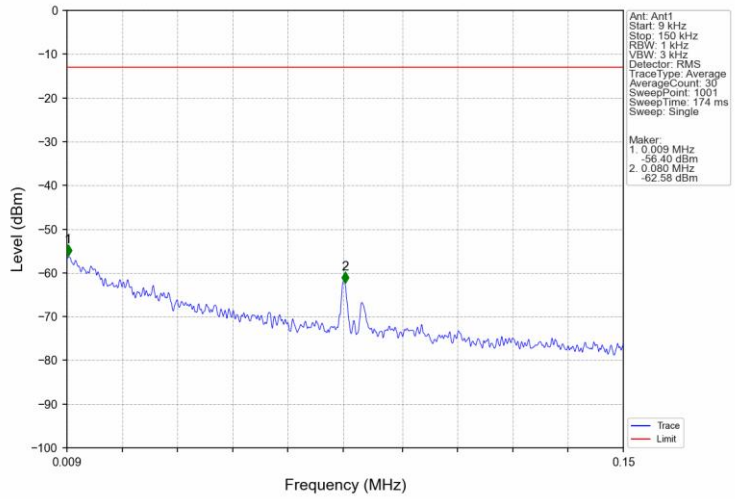
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



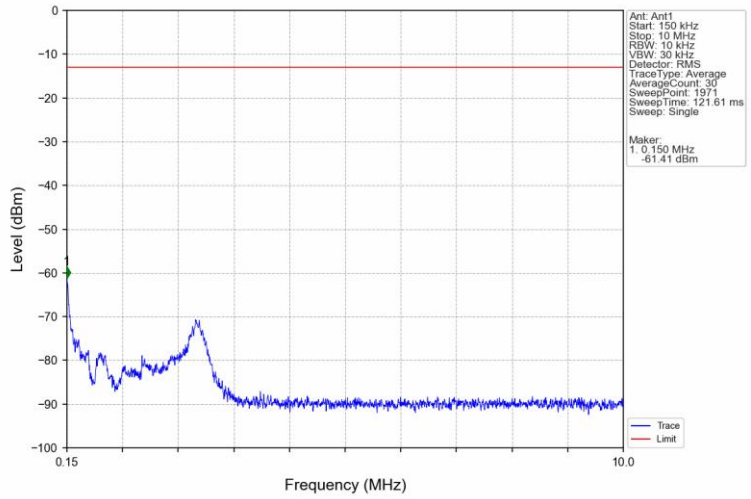
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



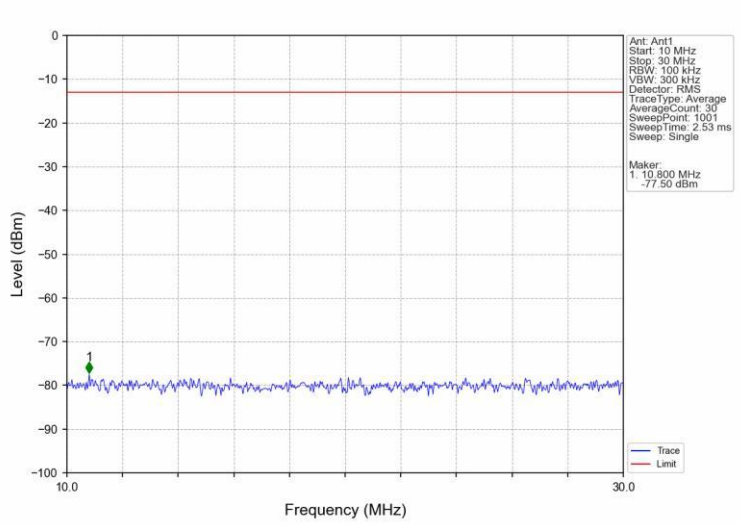
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



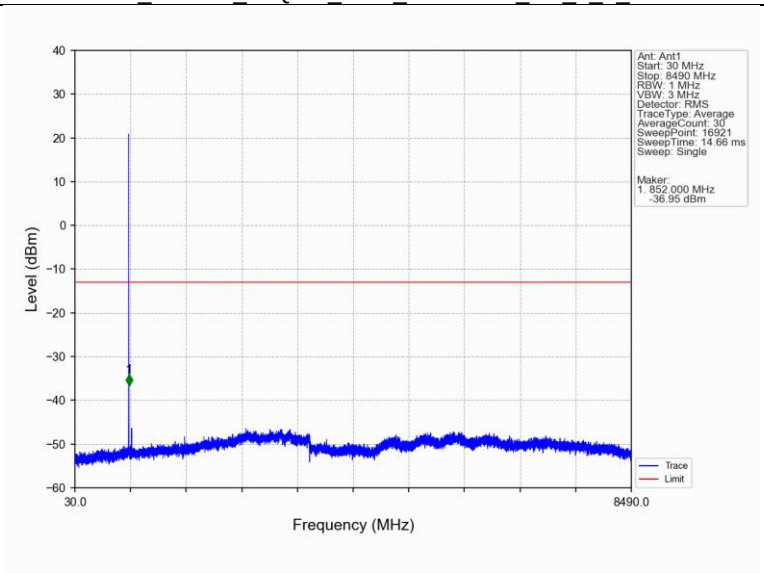
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



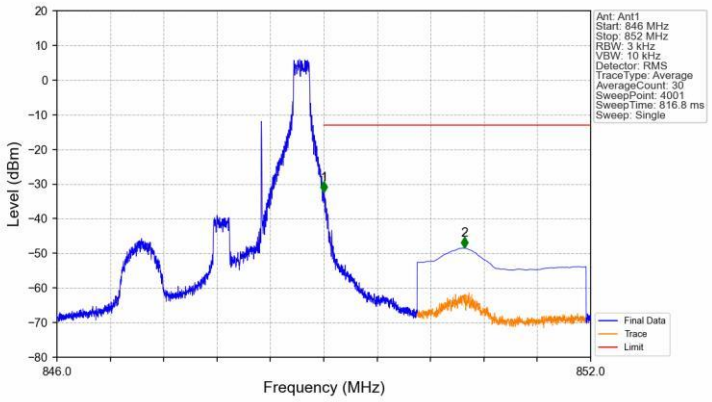
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

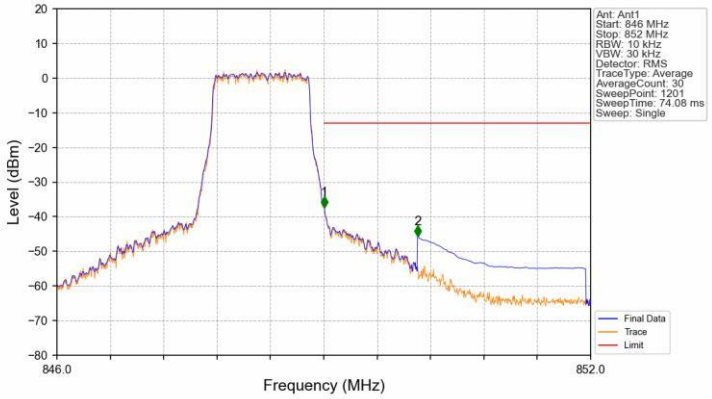


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.47	-13	Pass
850	852	0.1	CHP	2	850.584	-48.38	-13	Pass

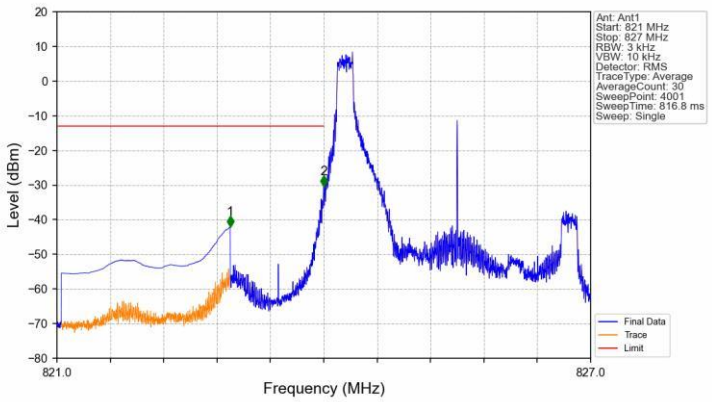
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-37.29	-13	Pass
850	852	0.1	CHP	2	850.055	-45.62	-13	Pass

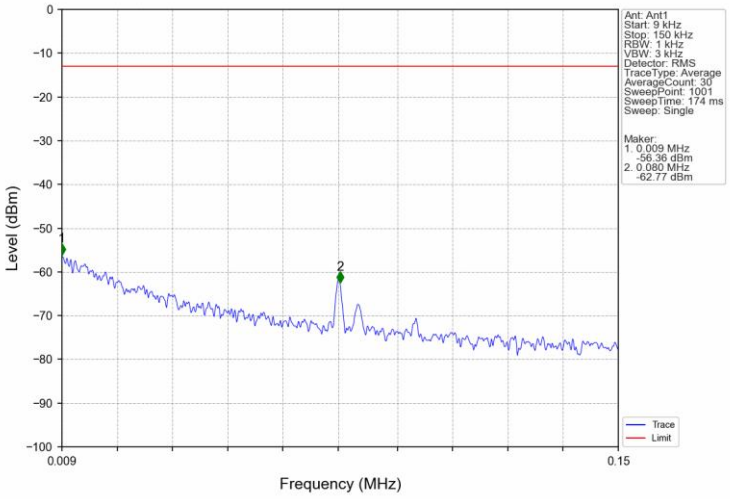
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

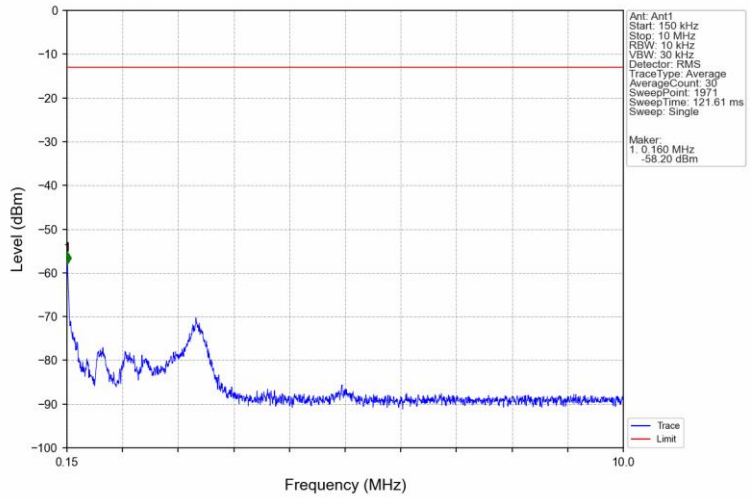


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-42.03	-13	Pass
823	824	0.003	/	2	823.999	-30.39	-13	Pass
824	827	0.003	/	/	/	/	/	/

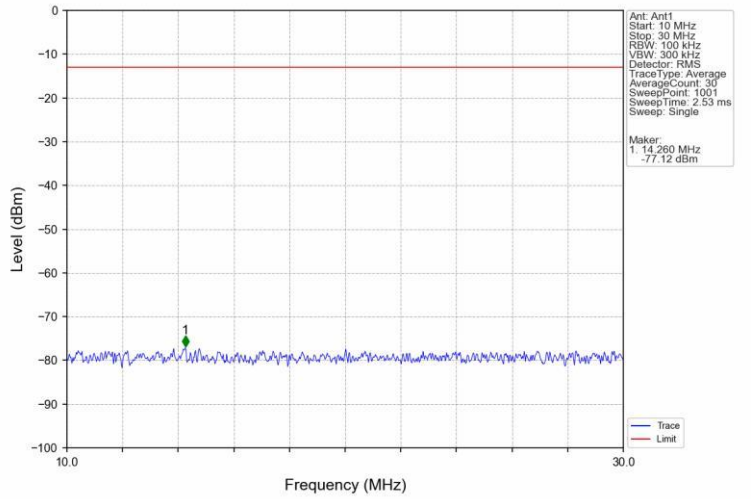
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



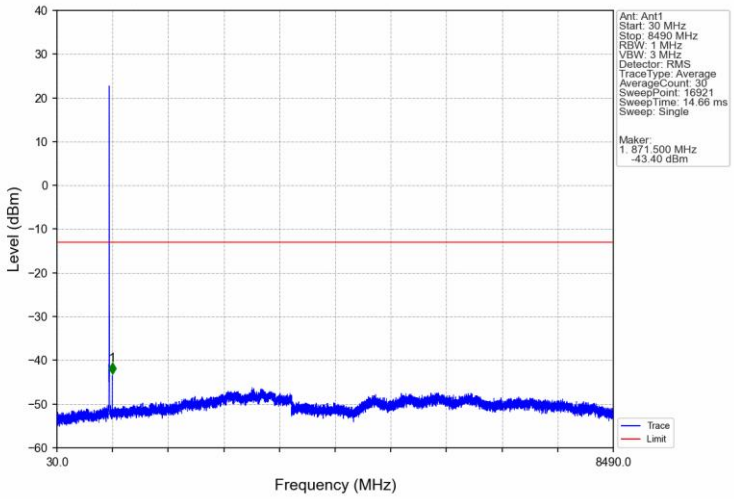
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



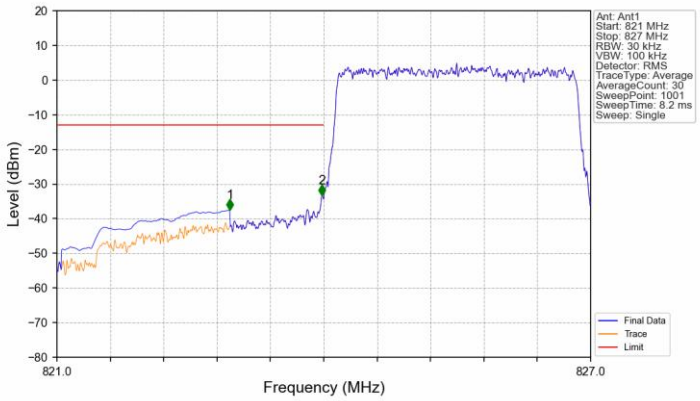
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_LCH_825.5MHz_RB_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	822.944	-37.44	-13	Pass
823	824	0.03	/	2	823.982	-33.36	-13	Pass
824	827	0.03	/	/	/	/	/	/