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	23.87	0.57	22.29	<=38.45	Pass
			2	23.87	0.57	22.29	<=38.45	Pass
			5	23.42	0.57	21.84	<=38.45	Pass
		3	0	23.44	0.57	21.86	<=38.45	Pass
			2	23.46	0.57	21.88	<=38.45	Pass
			3	23.42	0.57	21.84	<=38.45	Pass
		6	0	22.51	0.57	20.93	<=38.45	Pass
	836.5	1	0	23.31	0.57	21.73	<=38.45	Pass
			2	23.39	0.57	21.81	<=38.45	Pass
			5	23.34	0.57	21.76	<=38.45	Pass
		3	0	23.52	0.57	21.94	<=38.45	Pass
			2	23.49	0.57	21.91	<=38.45	Pass
			3	23.49	0.57	21.91	<=38.45	Pass
		6	0	22.56	0.57	20.98	<=38.45	Pass
	848.3	1	0	23.40	0.57	21.82	<=38.45	Pass
			2	23.40	0.57	21.82	<=38.45	Pass
			5	23.39	0.57	21.81	<=38.45	Pass
		3	0	23.41	0.57	21.83	<=38.45	Pass
			2	23.43	0.57	21.85	<=38.45	Pass
			3	23.43	0.57	21.85	<=38.45	Pass
		6	0	22.50	0.57	20.92	<=38.45	Pass
16QAM	824.7	1	0	22.45	0.57	20.87	<=38.45	Pass
			2	22.50	0.57	20.92	<=38.45	Pass
			5	22.46	0.57	20.88	<=38.45	Pass
		3	0	22.35	0.57	20.77	<=38.45	Pass
			2	22.38	0.57	20.80	<=38.45	Pass
			3	22.35	0.57	20.77	<=38.45	Pass
		6	0	21.52	0.57	19.94	<=38.45	Pass
	836.5	1	0	22.34	0.57	20.76	<=38.45	Pass
			2	22.40	0.57	20.82	<=38.45	Pass
			5	22.33	0.57	20.75	<=38.45	Pass
		3	0	22.65	0.57	21.07	<=38.45	Pass
			2	22.68	0.57	21.10	<=38.45	Pass
			3	22.67	0.57	21.09	<=38.45	Pass
		6	0	21.60	0.57	20.02	<=38.45	Pass
	848.3	1	0	22.31	0.57	20.73	<=38.45	Pass
			2	22.37	0.57	20.79	<=38.45	Pass
			5	22.28	0.57	20.70	<=38.45	Pass
		3	0	22.48	0.57	20.90	<=38.45	Pass
			2	22.49	0.57	20.91	<=38.45	Pass
			3	22.46	0.57	20.88	<=38.45	Pass
		6	0	21.44	0.57	19.86	<=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	23.21	0.57	21.63	<=38.45	Pass
			7	23.32	0.57	21.74	<=38.45	Pass
			14	23.24	0.57	21.66	<=38.45	Pass
		8	0	22.39	0.57	20.81	<=38.45	Pass
			4	22.46	0.57	20.88	<=38.45	Pass
			7	22.40	0.57	20.82	<=38.45	Pass
		15	0	22.35	0.57	20.77	<=38.45	Pass
	836.5	1	0	23.30	0.57	21.72	<=38.45	Pass
			7	23.42	0.57	21.84	<=38.45	Pass
			14	23.24	0.57	21.66	<=38.45	Pass
		8	0	22.45	0.57	20.87	<=38.45	Pass
			4	22.52	0.57	20.94	<=38.45	Pass
			7	22.45	0.57	20.87	<=38.45	Pass
		15	0	22.41	0.57	20.83	<=38.45	Pass
	847.5	1	0	23.24	0.57	21.66	<=38.45	Pass
			7	23.35	0.57	21.77	<=38.45	Pass
			14	23.20	0.57	21.62	<=38.45	Pass
		8	0	22.48	0.57	20.90	<=38.45	Pass
			4	22.48	0.57	20.90	<=38.45	Pass
			7	22.42	0.57	20.84	<=38.45	Pass
		15	0	22.40	0.57	20.82	<=38.45	Pass
16QAM	825.5	1	0	22.76	0.57	21.18	<=38.45	Pass
			7	22.79	0.57	21.21	<=38.45	Pass
			14	22.63	0.57	21.05	<=38.45	Pass
		8	0	21.55	0.57	19.97	<=38.45	Pass
			4	21.60	0.57	20.02	<=38.45	Pass
			7	21.52	0.57	19.94	<=38.45	Pass
		15	0	21.41	0.57	19.83	<=38.45	Pass
	836.5	1	0	22.25	0.57	20.67	<=38.45	Pass
			7	22.41	0.57	20.83	<=38.45	Pass
			14	22.29	0.57	20.71	<=38.45	Pass
		8	0	21.48	0.57	19.90	<=38.45	Pass
			4	21.59	0.57	20.01	<=38.45	Pass
			7	21.52	0.57	19.94	<=38.45	Pass
		15	0	21.46	0.57	19.88	<=38.45	Pass
	847.5	1	0	22.33	0.57	20.75	<=38.45	Pass
			7	22.51	0.57	20.93	<=38.45	Pass
			14	22.35	0.57	20.77	<=38.45	Pass
		8	0	21.41	0.57	19.83	<=38.45	Pass
			4	21.45	0.57	19.87	<=38.45	Pass
			7	21.37	0.57	19.79	<=38.45	Pass
		15	0	21.36	0.57	19.78	<=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	23.43	0.57	21.85	<=38.45	Pass
			13	23.57	0.57	21.99	<=38.45	Pass
			24	23.41	0.57	21.83	<=38.45	Pass
		12	0	22.44	0.57	20.86	<=38.45	Pass
			6	22.47	0.57	20.89	<=38.45	Pass
			13	22.40	0.57	20.82	<=38.45	Pass
		25	0	22.41	0.57	20.83	<=38.45	Pass

	836.5	1	0	23.45	0.57	21.87	<=38.45	Pass
			13	23.66	0.57	22.08	<=38.45	Pass
			24	23.49	0.57	21.91	<=38.45	Pass
		12	0	22.38	0.57	20.80	<=38.45	Pass
			6	22.52	0.57	20.94	<=38.45	Pass
			13	22.52	0.57	20.94	<=38.45	Pass
		25	0	22.49	0.57	20.91	<=38.45	Pass
	846.5	1	0	23.42	0.57	21.84	<=38.45	Pass
			13	23.59	0.57	22.01	<=38.45	Pass
			24	23.47	0.57	21.89	<=38.45	Pass
		12	0	22.46	0.57	20.88	<=38.45	Pass
			6	22.53	0.57	20.95	<=38.45	Pass
			13	22.53	0.57	20.95	<=38.45	Pass
		25	0	22.53	0.57	20.95	<=38.45	Pass
16QAM	826.5	1	0	22.50	0.57	20.92	<=38.45	Pass
			13	22.59	0.57	21.01	<=38.45	Pass
			24	22.49	0.57	20.91	<=38.45	Pass
		12	0	21.40	0.57	19.82	<=38.45	Pass
			6	21.43	0.57	19.85	<=38.45	Pass
			13	21.39	0.57	19.81	<=38.45	Pass
		25	0	21.42	0.57	19.84	<=38.45	Pass
	836.5	1	0	22.73	0.57	21.15	<=38.45	Pass
			13	22.83	0.57	21.25	<=38.45	Pass
			24	22.71	0.57	21.13	<=38.45	Pass
		12	0	21.45	0.57	19.87	<=38.45	Pass
			6	21.54	0.57	19.96	<=38.45	Pass
			13	21.57	0.57	19.99	<=38.45	Pass
		25	0	21.51	0.57	19.93	<=38.45	Pass
	846.5	1	0	22.28	0.57	20.70	<=38.45	Pass
			13	22.45	0.57	20.87	<=38.45	Pass
			24	22.32	0.57	20.74	<=38.45	Pass
		12	0	21.45	0.57	19.87	<=38.45	Pass
			6	21.49	0.57	19.91	<=38.45	Pass
			13	21.53	0.57	19.95	<=38.45	Pass
		25	0	21.55	0.57	19.97	<=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	23.45	0.57	21.87	<=38.45	Pass
			25	23.49	0.57	21.91	<=38.45	Pass
			49	23.50	0.57	21.92	<=38.45	Pass
		25	0	22.51	0.57	20.93	<=38.45	Pass
			13	22.48	0.57	20.90	<=38.45	Pass
			25	22.47	0.57	20.89	<=38.45	Pass
		50	0	22.51	0.57	20.93	<=38.45	Pass
	836.5	1	0	23.52	0.57	21.94	<=38.45	Pass
			25	23.63	0.57	22.05	<=38.45	Pass
			49	23.55	0.57	21.97	<=38.45	Pass
		25	0	22.38	0.57	20.80	<=38.45	Pass
			13	22.57	0.57	20.99	<=38.45	Pass
			25	22.51	0.57	20.93	<=38.45	Pass
		50	0	22.47	0.57	20.89	<=38.45	Pass
	844	1	0	23.49	0.57	21.91	<=38.45	Pass
			25	23.54	0.57	21.96	<=38.45	Pass

			49	23.51	0.57	21.93	<=38.45	Pass
		25	0	22.66	0.57	21.08	<=38.45	Pass
			13	22.50	0.57	20.92	<=38.45	Pass
			25	22.52	0.57	20.94	<=38.45	Pass
		50	0	22.60	0.57	21.02	<=38.45	Pass
16QAM	829	1	0	22.91	0.57	21.33	<=38.45	Pass
			25	22.99	0.57	21.41	<=38.45	Pass
			49	23.06	0.57	21.48	<=38.45	Pass
		25	0	21.53	0.57	19.95	<=38.45	Pass
			13	21.53	0.57	19.95	<=38.45	Pass
			25	21.53	0.57	19.95	<=38.45	Pass
		50	0	21.51	0.57	19.93	<=38.45	Pass
	836.5	1	0	22.54	0.57	20.96	<=38.45	Pass
			25	22.59	0.57	21.01	<=38.45	Pass
			49	22.53	0.57	20.95	<=38.45	Pass
		25	0	21.48	0.57	19.90	<=38.45	Pass
			13	21.66	0.57	20.08	<=38.45	Pass
			25	21.61	0.57	20.03	<=38.45	Pass
		50	0	21.47	0.57	19.89	<=38.45	Pass
	844	1	0	22.65	0.57	21.07	<=38.45	Pass
			25	22.71	0.57	21.13	<=38.45	Pass
			49	22.64	0.57	21.06	<=38.45	Pass
		25	0	21.67	0.57	20.09	<=38.45	Pass
			13	21.56	0.57	19.98	<=38.45	Pass
			25	21.56	0.57	19.98	<=38.45	Pass
		50	0	21.57	0.57	19.99	<=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	1.144	0.0014	-2.5 to 2.5	Pass
					3.85	3.290	0.0040	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-7.639	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0065	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.290	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.463	-0.0053	-2.5 to 2.5	Pass
					4.43	-8.311	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	5.879	0.0070	-2.5 to 2.5	Pass
				-10	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.848	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-11.358	-0.0136	-2.5 to 2.5	Pass

				30	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				50	3.85	4.692	0.0056	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	0.129	0.0002	-2.5 to 2.5	Pass
					3.85	2.174	0.0026	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-9.098	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-7.110	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0040	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-10.242	-0.0124	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.992	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-10.514	-0.0127	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	7.696	0.0092	-2.5 to 2.5	Pass
					3.85	-4.764	-0.0057	-2.5 to 2.5	Pass
					4.43	-5.164	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				0	3.85	4.234	0.0051	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-7.339	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	1.960	0.0023	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
					4.43	-8.926	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.764	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-8.569	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-2.675	-0.0032	-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	-6.208	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.825	-0.0095	-2.5 to 2.5	Pass
					4.43	-6.452	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass

				-10	3.85	-2.933	-0.0036	-2.5 to 2.5	Pass
				0	3.85	6.037	0.0073	-2.5 to 2.5	Pass
				10	3.85	3.247	0.0039	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.631	0.0020	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.821	-0.0058	-2.5 to 2.5	Pass
					3.85	2.818	0.0034	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				30	3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0089	-2.5 to 2.5	Pass
				50	3.85	3.405	0.0041	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-3.433	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0066	-2.5 to 2.5	Pass
					4.43	-7.567	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.904	0.0034	-2.5 to 2.5	Pass
				-10	3.85	5.851	0.0069	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0013	-2.5 to 2.5	Pass
				30	3.85	3.047	0.0036	-2.5 to 2.5	Pass
				40	3.85	-4.420	-0.0052	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	2.732	0.0033	-2.5 to 2.5	Pass
					3.85	5.336	0.0065	-2.5 to 2.5	Pass
					4.43	-8.225	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	8.240	0.0100	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0084	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.546	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
				50	3.85	3.262	0.0040	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	2.232	0.0027	-2.5 to 2.5	Pass
					3.85	1.760	0.0021	-2.5 to 2.5	Pass
					4.43	-8.769	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-8.883	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	2.489	0.0030	-2.5 to 2.5	Pass
				-10	3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
				0	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.85	-10.686	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.831	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	6.037	0.0071	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				30	3.85	2.861	0.0034	-2.5 to 2.5	Pass

				40	3.85	-5.493	-0.0065	-2.5 to 2.5	Pass
				50	3.85	2.503	0.0030	-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	-6.809	-0.0082	-2.5 to 2.5	Pass
					3.85	0.930	0.0011	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.819	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-5.279	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0079	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-9.155	-0.0109	-2.5 to 2.5	Pass
					3.85	-9.799	-0.0117	-2.5 to 2.5	Pass
					4.43	-9.027	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-11.144	-0.0133	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				10	3.85	-6.609	-0.0079	-2.5 to 2.5	Pass
				30	3.85	3.490	0.0042	-2.5 to 2.5	Pass
				40	3.85	-8.712	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-1.044	-0.0012	-2.5 to 2.5	Pass
					3.85	1.144	0.0014	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-11.058	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-6.537	-0.0077	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-4.034	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
					4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-2.232	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
					4.43	3.676	0.0044	-2.5 to 2.5	Pass
				-30	3.85	-9.613	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0078	-2.5 to 2.5	Pass

				0	3.85	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-8.011	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-5.250	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-6.366	-0.0075	-2.5 to 2.5	Pass
					3.85	-5.150	-0.0061	-2.5 to 2.5	Pass
					4.43	0.515	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-11.201	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-10.128	-0.0120	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				10	3.85	-5.279	-0.0062	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-1.974	-0.0023	-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	-5.522	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0052	-2.5 to 2.5	Pass
					4.43	-3.390	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0034	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-3.905	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.891	-0.0047	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.766	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-9.027	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0056	-2.5 to 2.5	Pass
	844	50	0	20	3.27	0.114	0.0001	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.051	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.592	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0058	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-3.576	-0.0043	-2.5 to 2.5	Pass
					3.85	-4.749	-0.0057	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0037	-2.5 to 2.5	Pass

				-30	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.131	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-2.761	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.110	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.851	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-3.562	-0.0043	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-1.717	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-5.937	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0024	-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

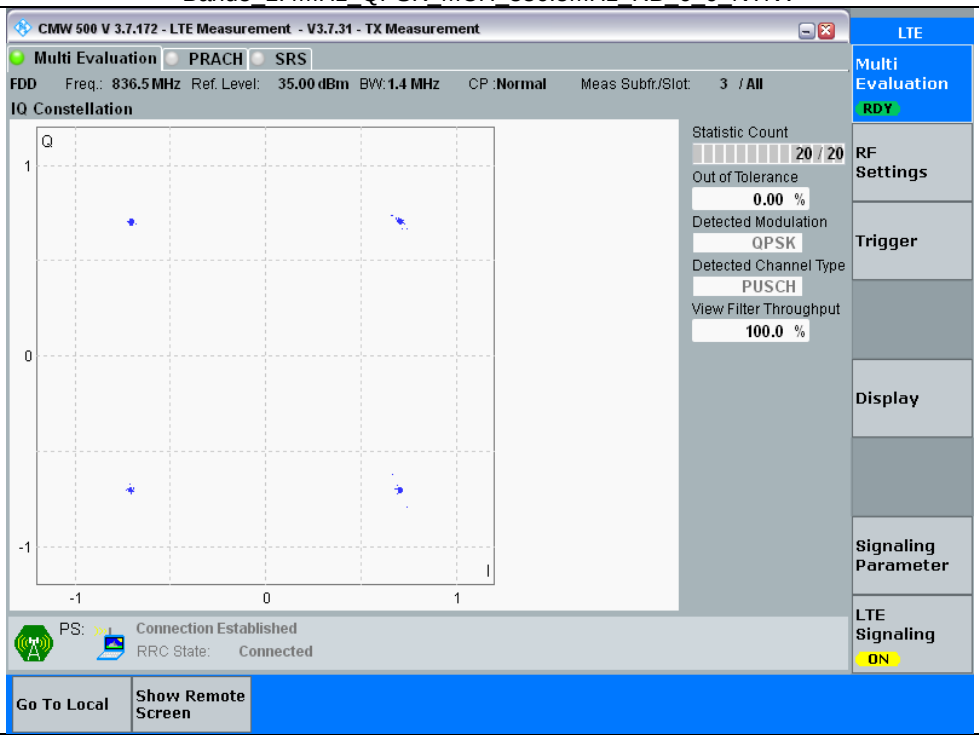
3.1.4 B5_10MHz

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

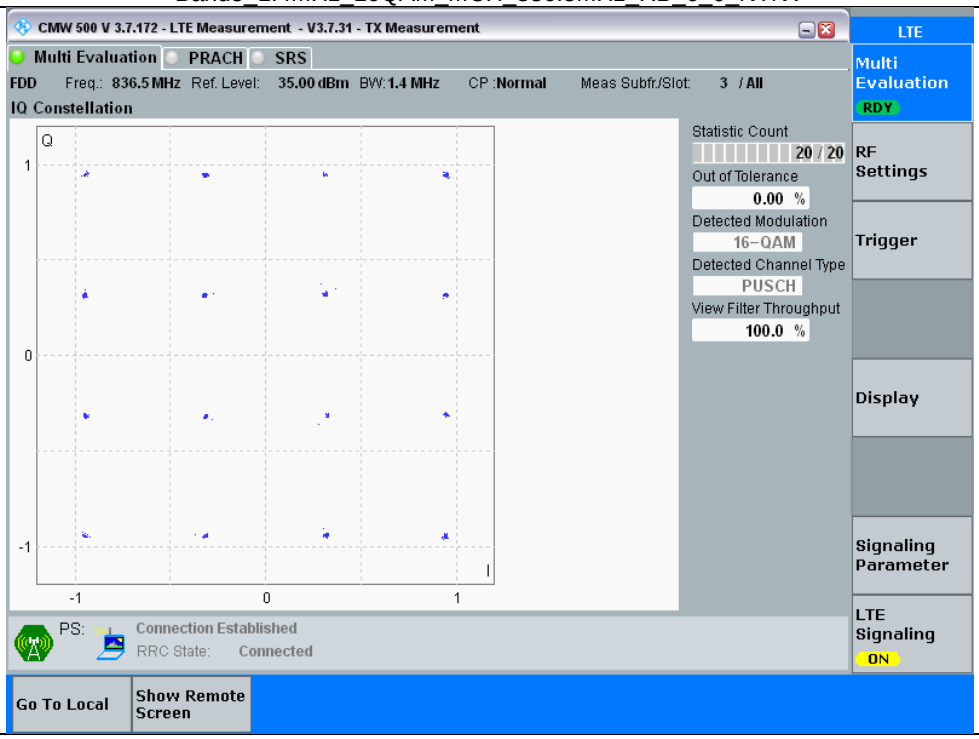
3.2 Test Graph

3.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV

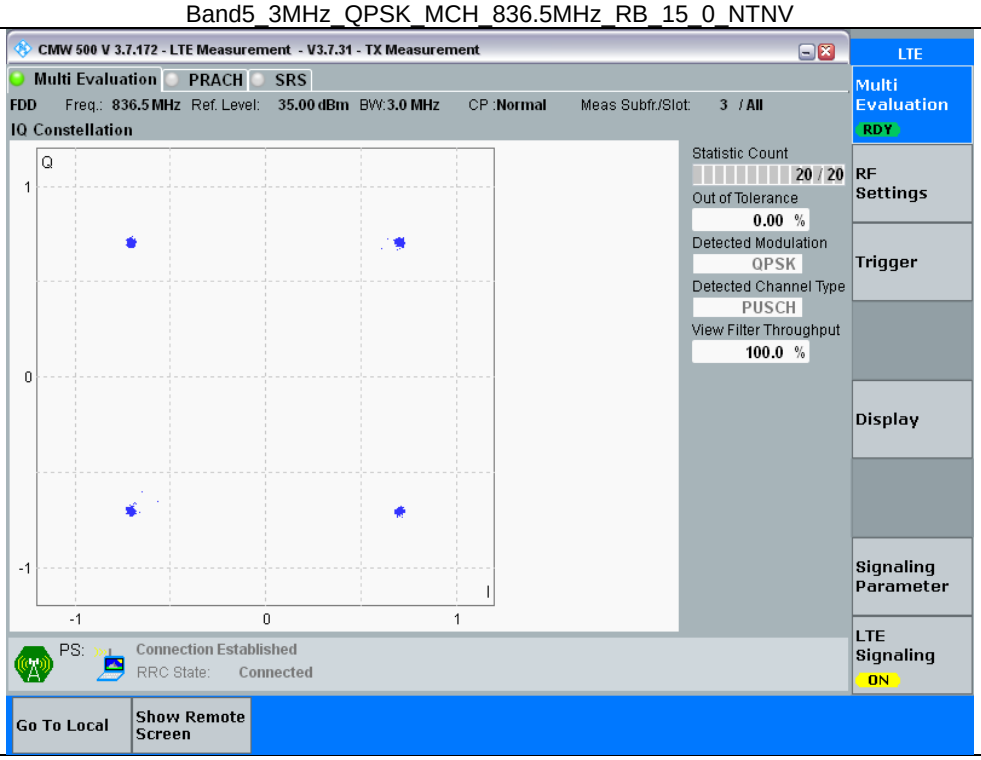


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

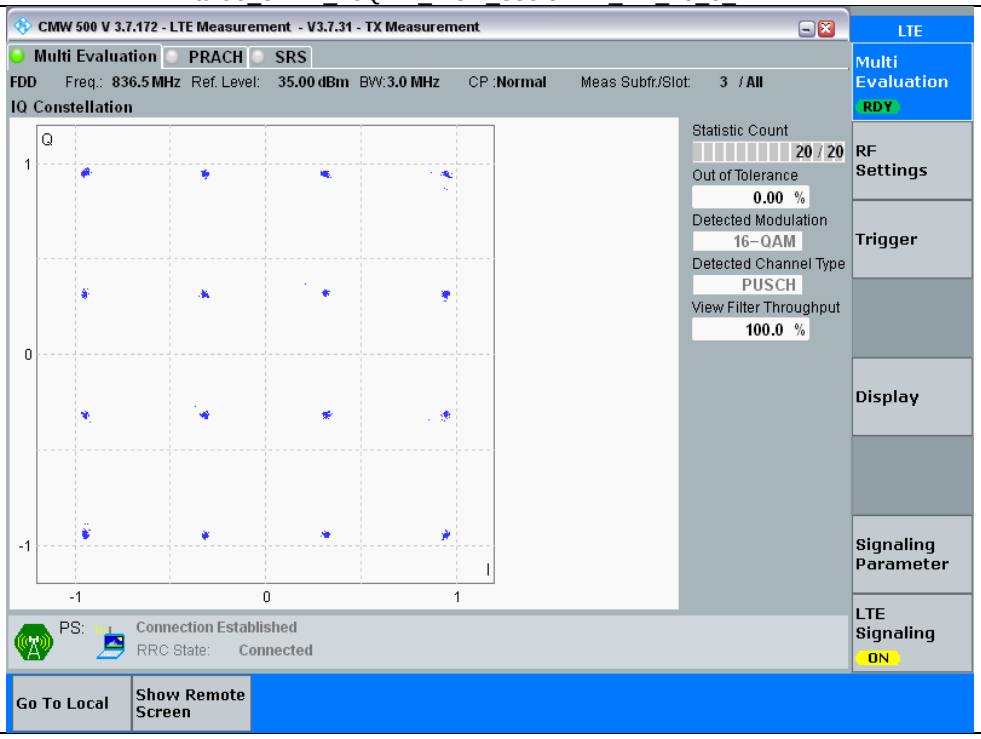


3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

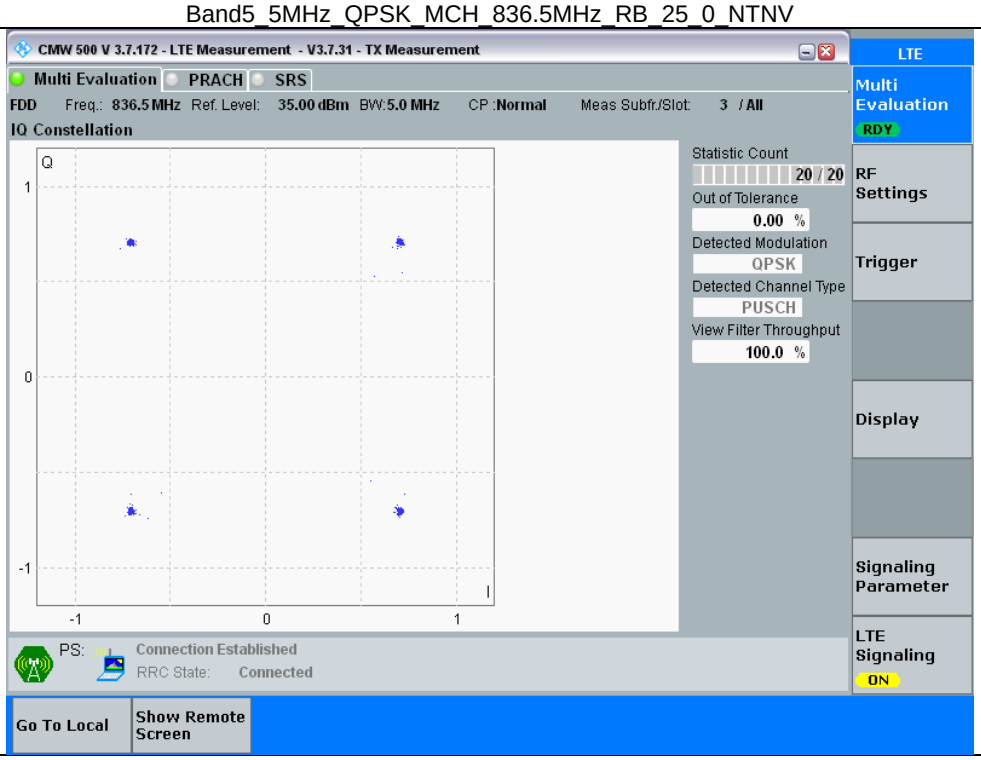


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

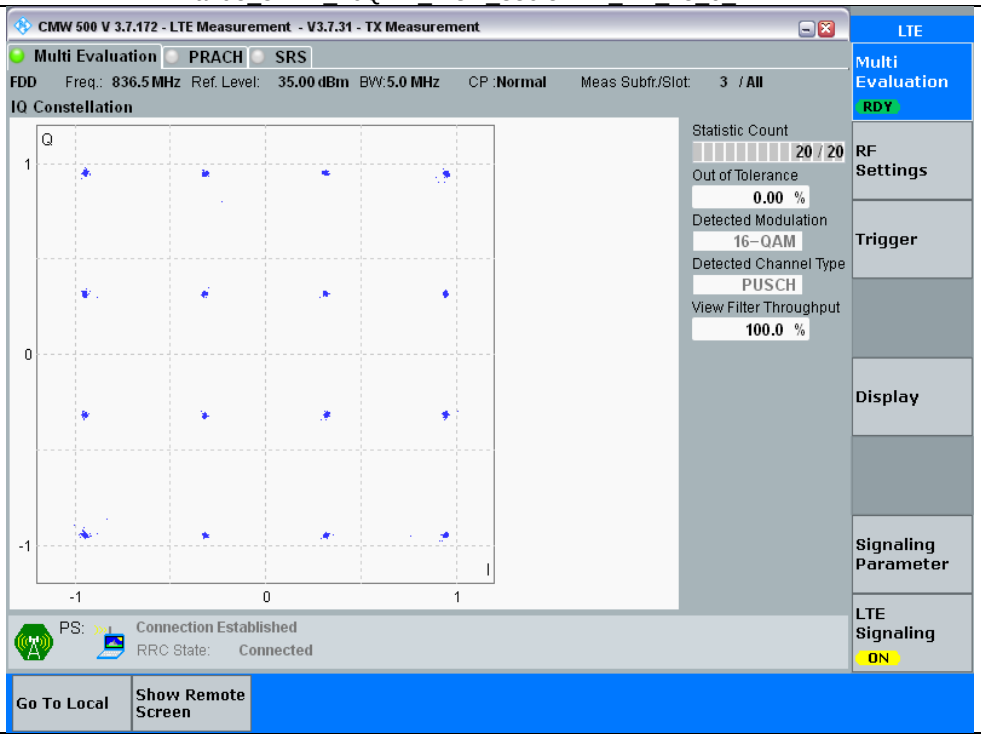


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

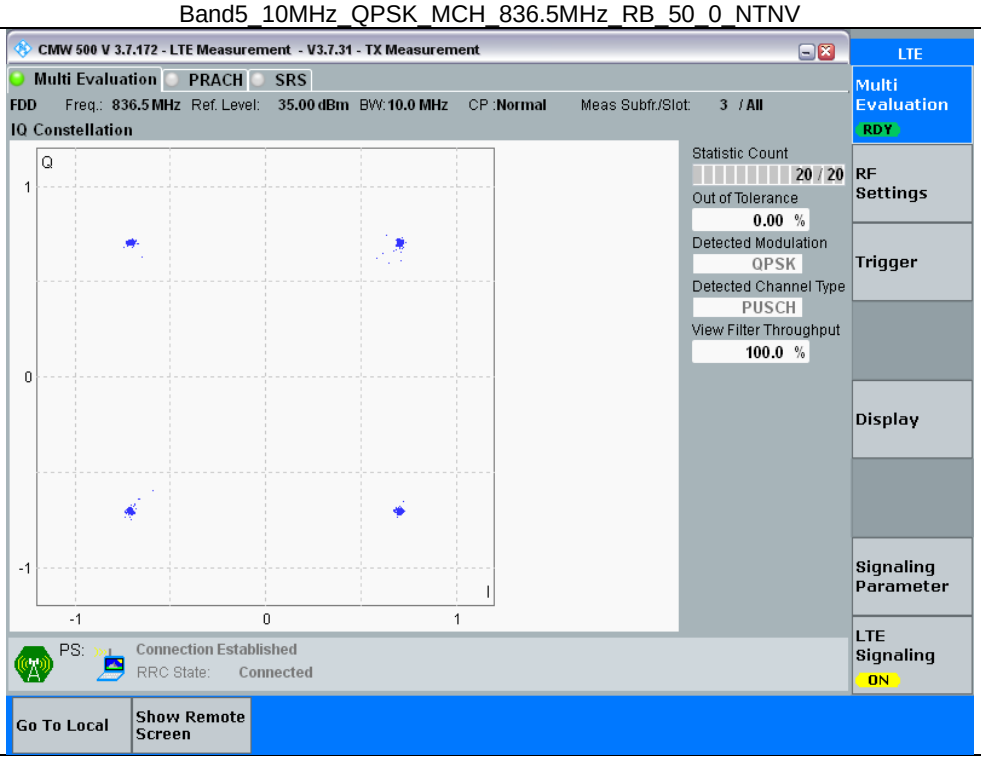


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

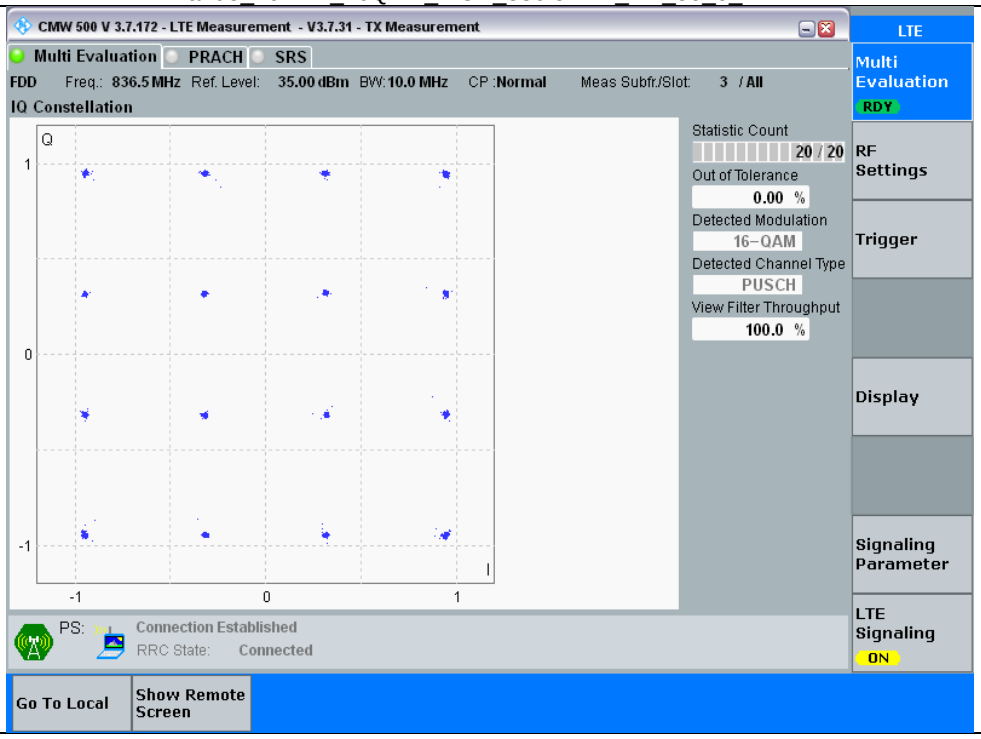


3.2.4 B5_10MHz

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	1.108	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.114	/	Pass
	16QAM	824.7	6	0	1.114	/	Pass
		836.5	6	0	1.098	/	Pass
		848.3	6	0	1.114	/	Pass
3	QPSK	825.5	15	0	2.734	/	Pass
		836.5	15	0	2.736	/	Pass
		847.5	15	0	2.733	/	Pass
	16QAM	825.5	15	0	2.717	/	Pass
		836.5	15	0	2.721	/	Pass
		847.5	15	0	2.730	/	Pass
5	QPSK	826.5	25	0	4.551	/	Pass
		836.5	25	0	4.537	/	Pass
		846.5	25	0	4.553	/	Pass
	16QAM	826.5	25	0	4.533	/	Pass
		836.5	25	0	4.542	/	Pass
		846.5	25	0	4.560	/	Pass
10	QPSK	829	50	0	9.033	/	Pass
		836.5	50	0	9.045	/	Pass
		844	50	0	9.057	/	Pass
	16QAM	829	50	0	9.046	/	Pass
		836.5	50	0	9.043	/	Pass
		844	50	0	9.045	/	Pass

4.1.2 Band5_XDB

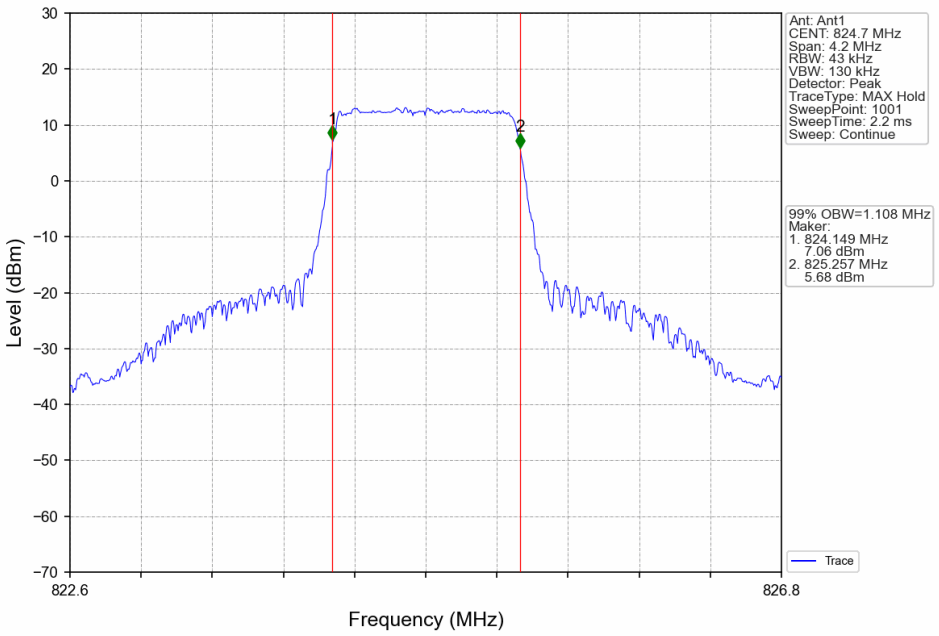
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.316	/	Pass
		836.5	6	0	1.309	/	Pass
		848.3	6	0	1.313	/	Pass
	16QAM	824.7	6	0	1.310	/	Pass
		836.5	6	0	1.293	/	Pass
		848.3	6	0	1.297	/	Pass
3	QPSK	825.5	15	0	3.044	/	Pass
		836.5	15	0	3.038	/	Pass
		847.5	15	0	3.039	/	Pass
	16QAM	825.5	15	0	3.059	/	Pass
		836.5	15	0	3.040	/	Pass
		847.5	15	0	3.035	/	Pass
5	QPSK	826.5	25	0	5.026	/	Pass
		836.5	25	0	4.995	/	Pass
		846.5	25	0	4.998	/	Pass

	16QAM	826.5	25	0	4.998	/	Pass
		836.5	25	0	5.016	/	Pass
		846.5	25	0	5.015	/	Pass
10	QPSK	829	50	0	9.920	/	Pass
		836.5	50	0	9.895	/	Pass
		844	50	0	9.893	/	Pass
	16QAM	829	50	0	9.871	/	Pass
		836.5	50	0	9.847	/	Pass
		844	50	0	9.881	/	Pass

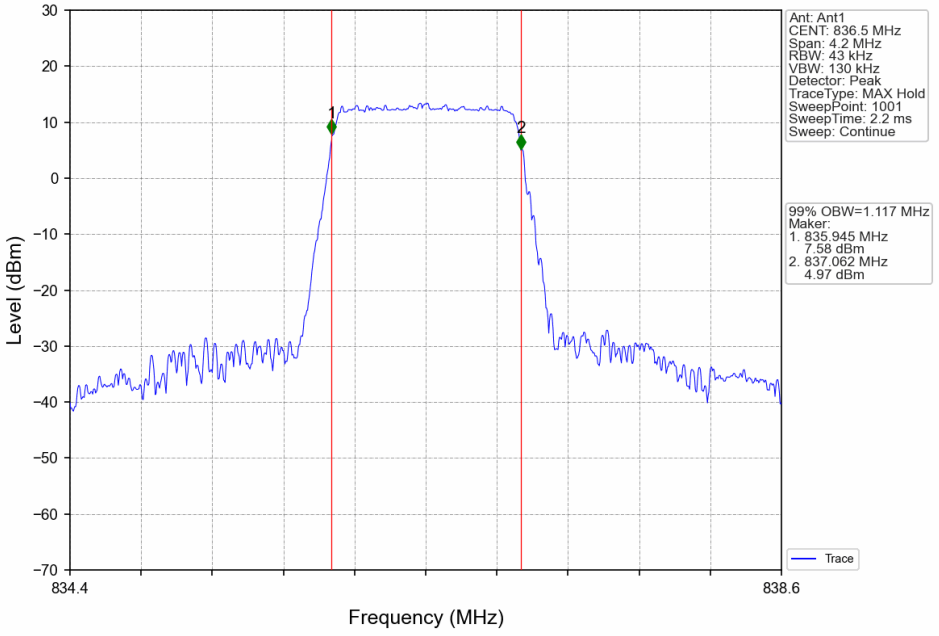
4.2 Test Graph

4.2.1 Band5_OBW

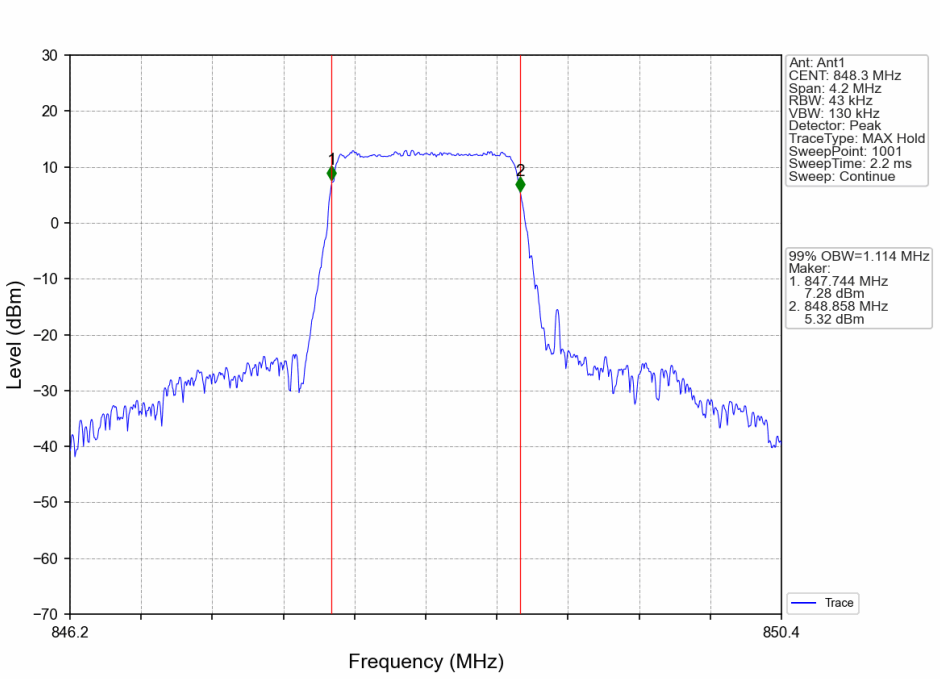
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



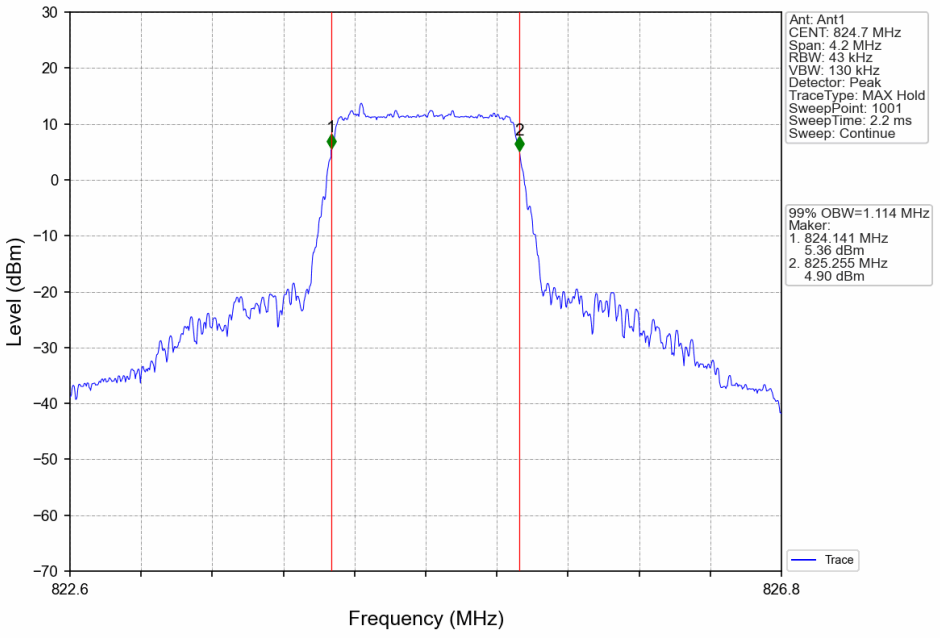
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



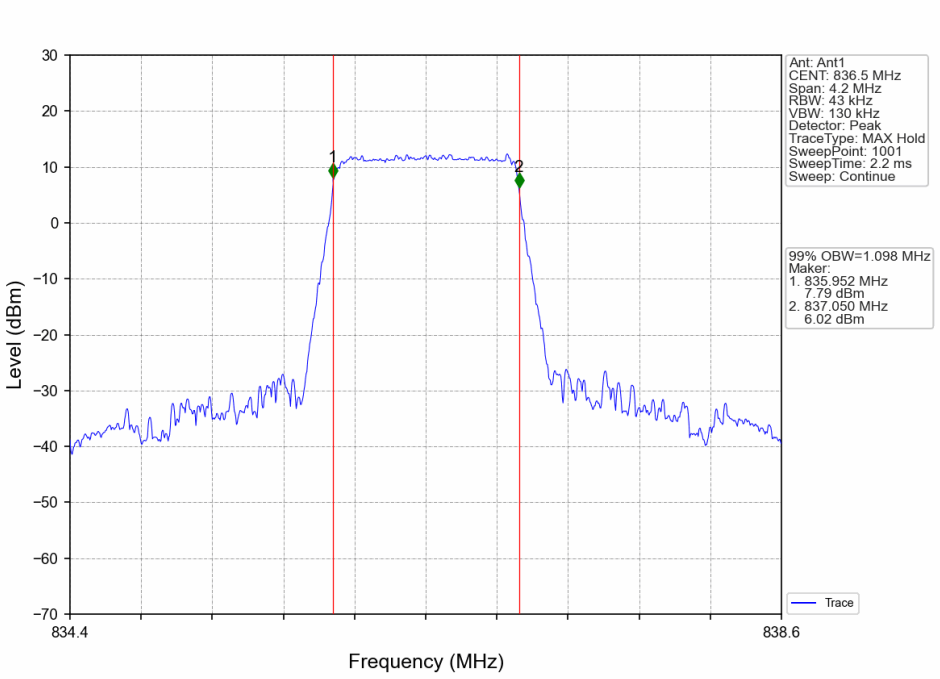
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



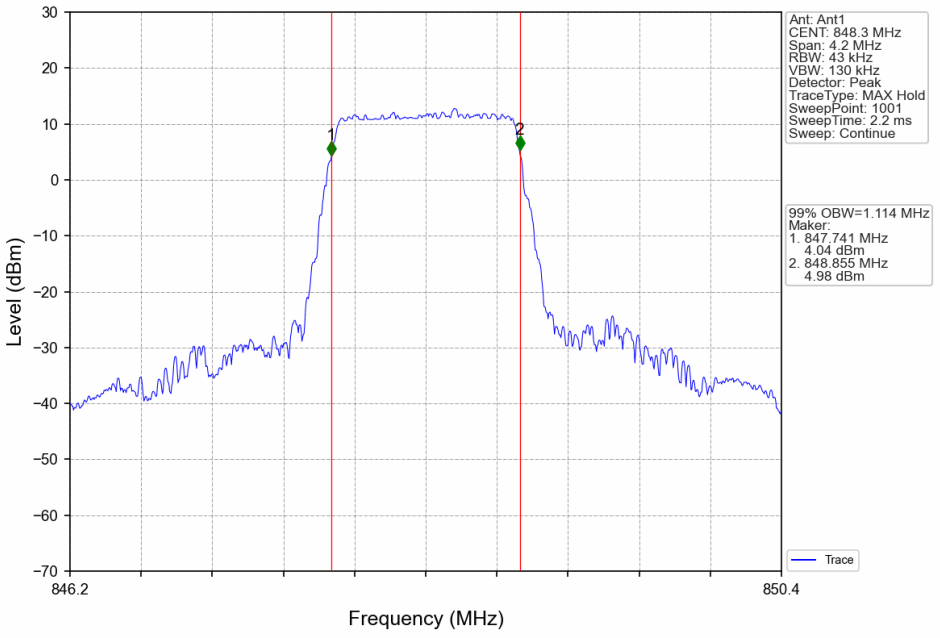
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



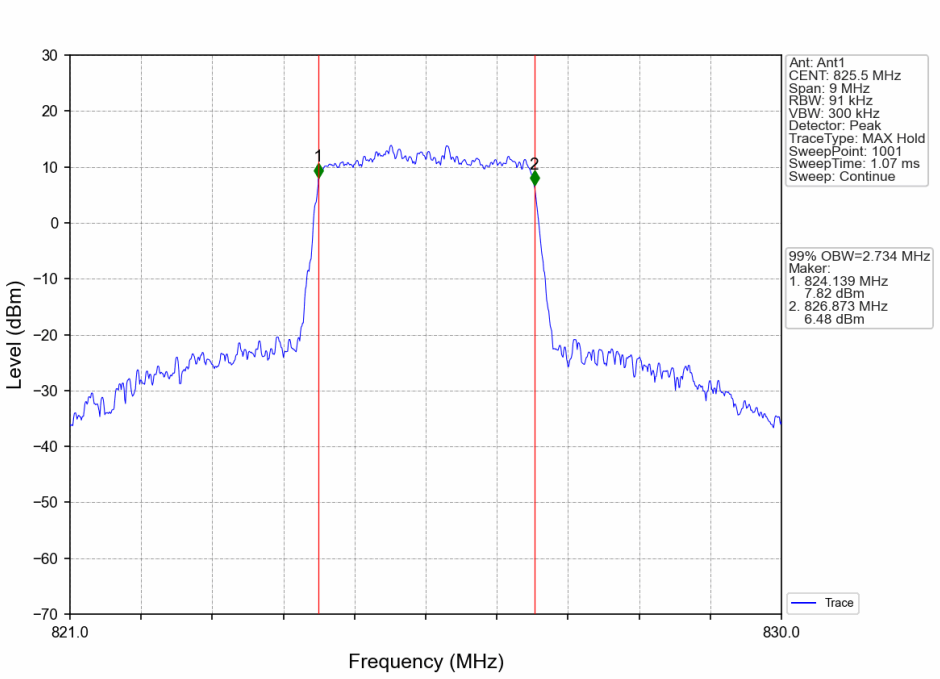
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



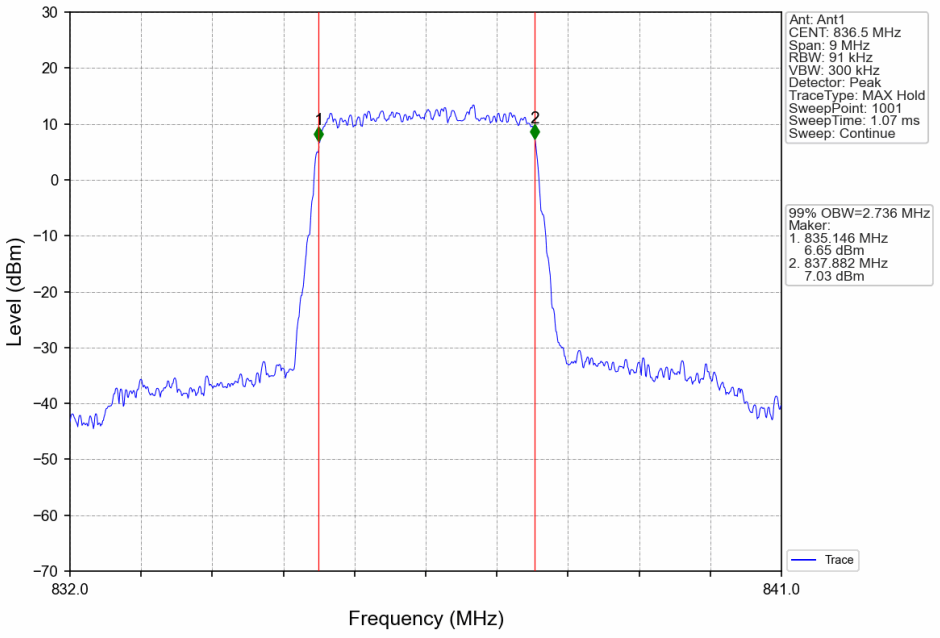
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



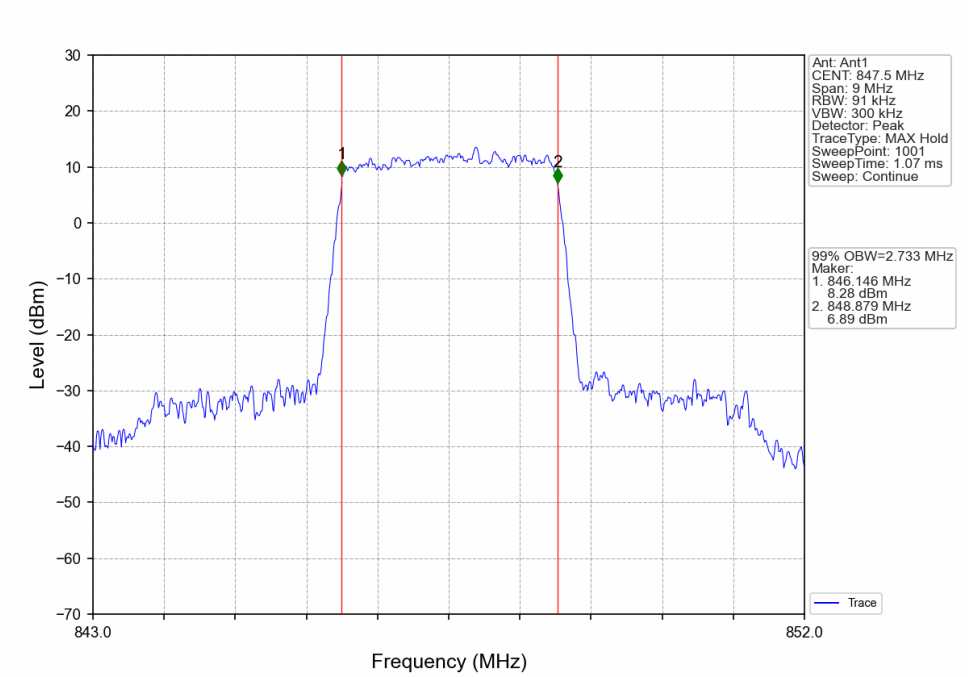
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



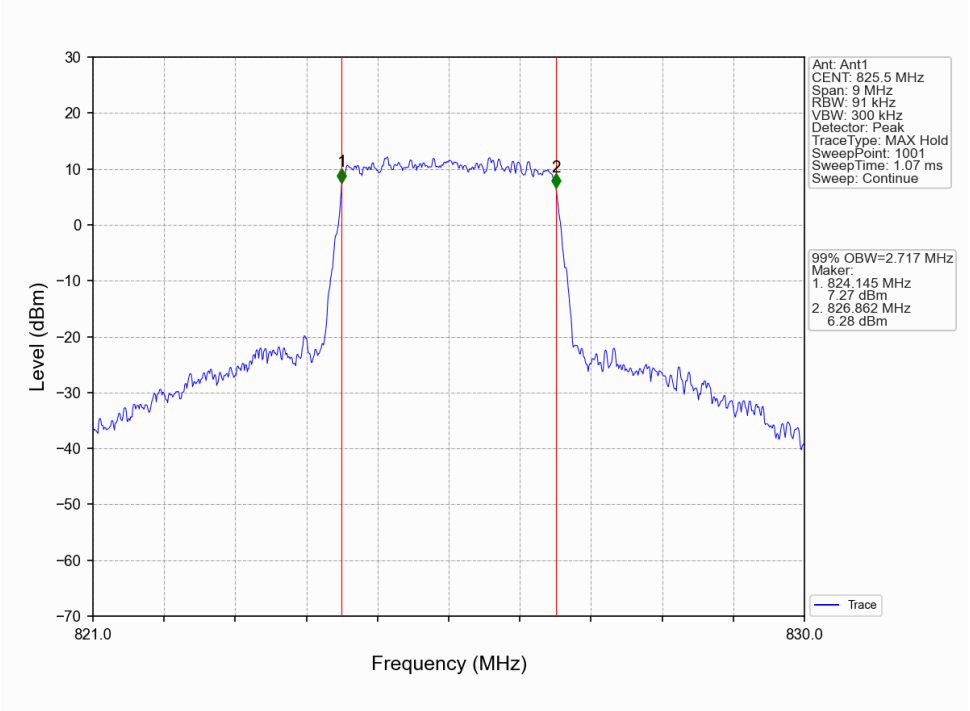
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



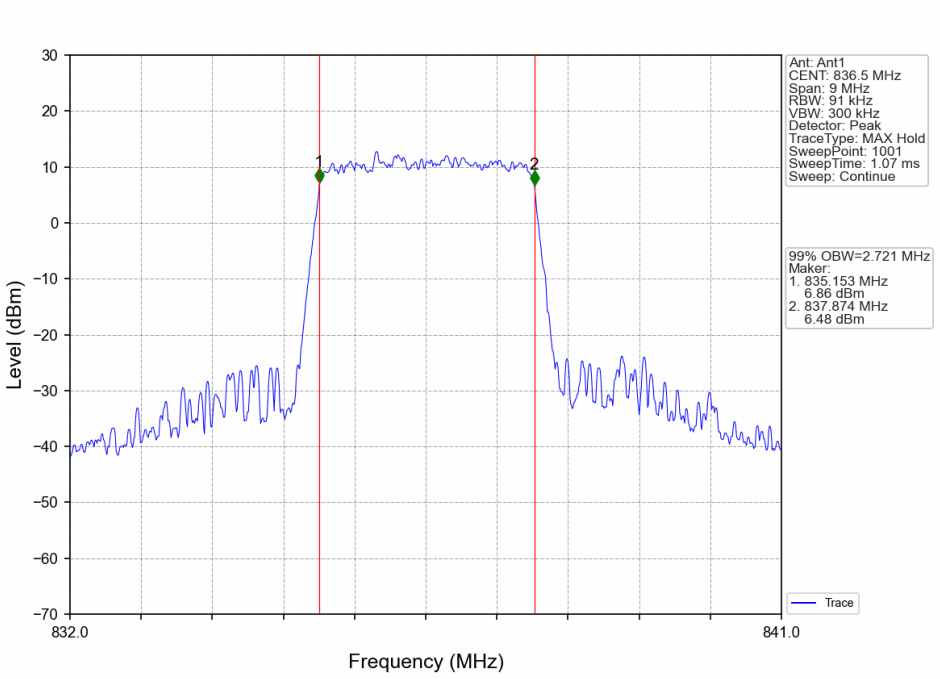
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



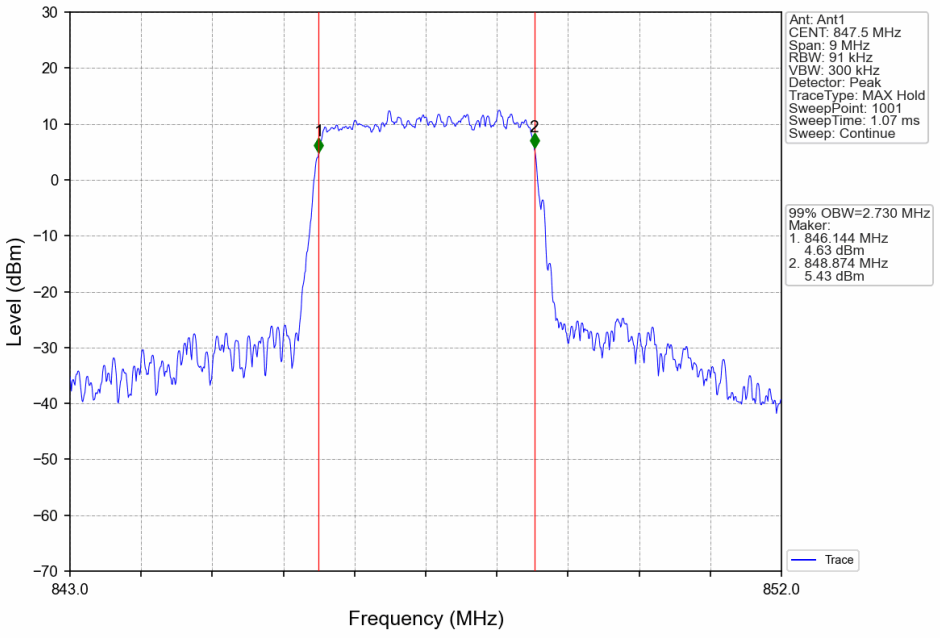
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



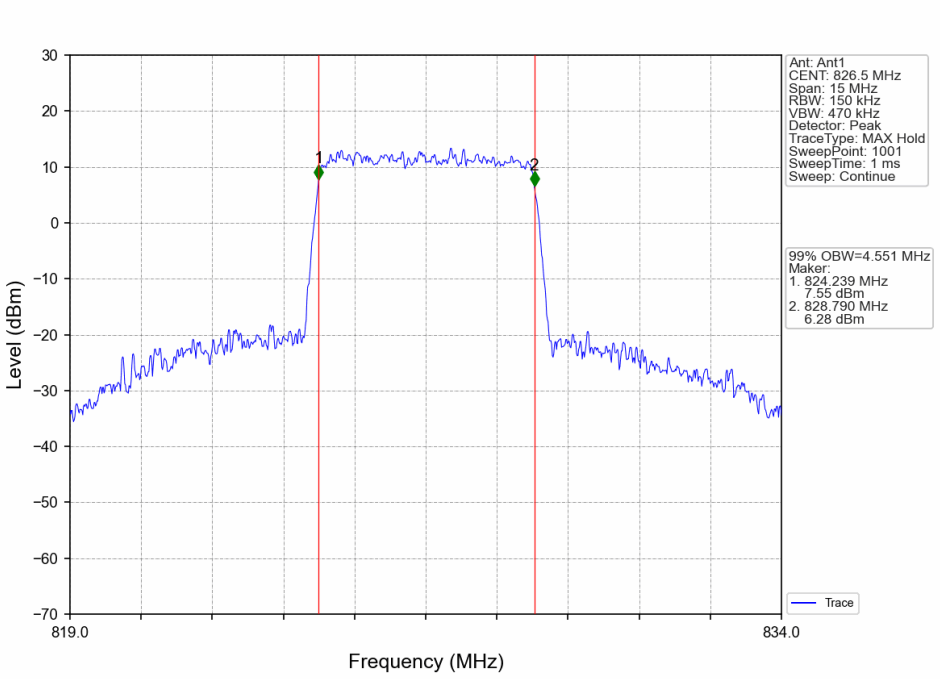
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



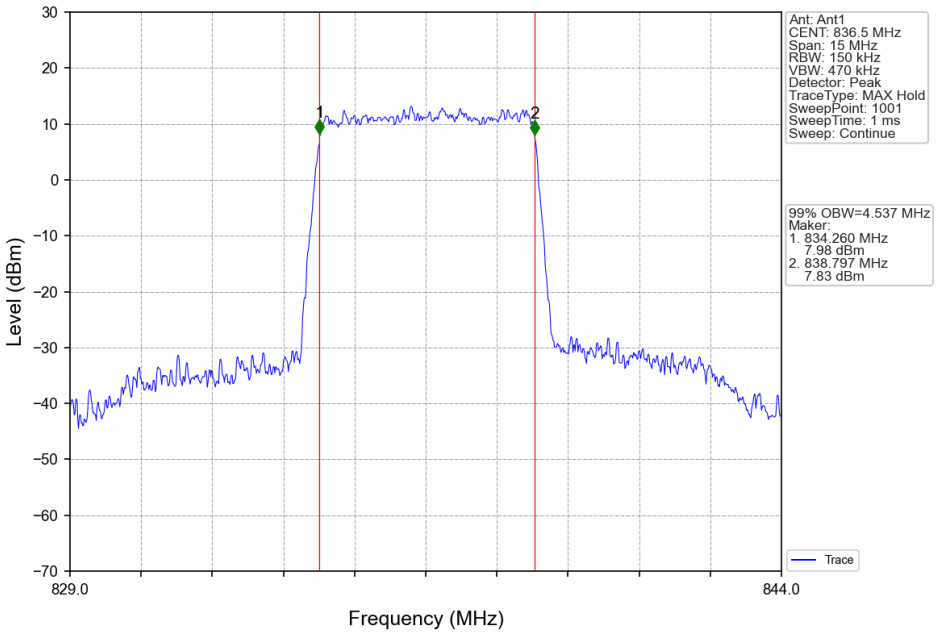
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



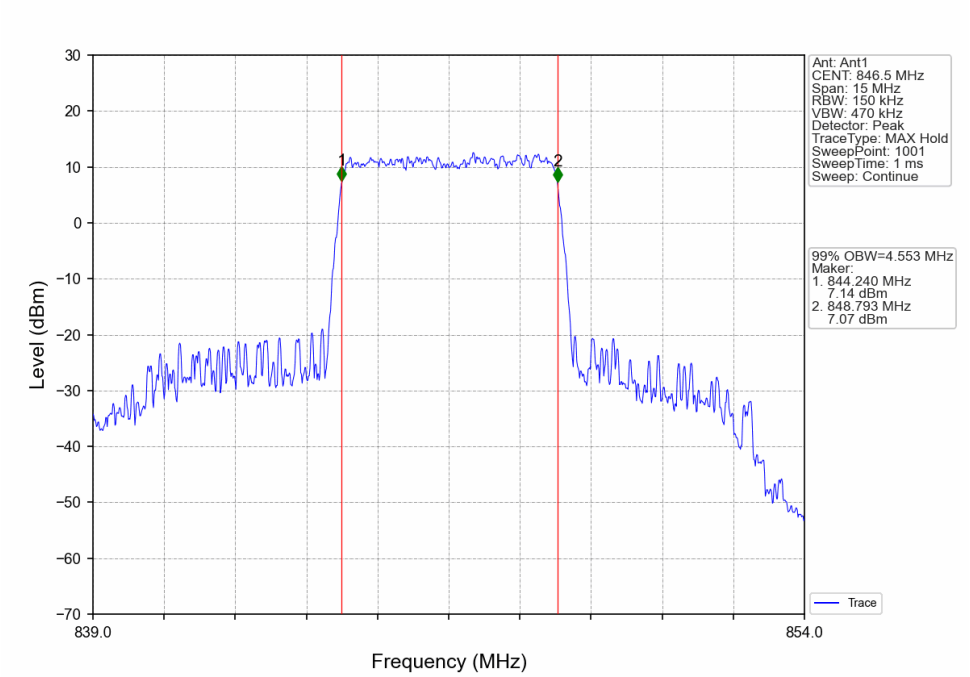
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



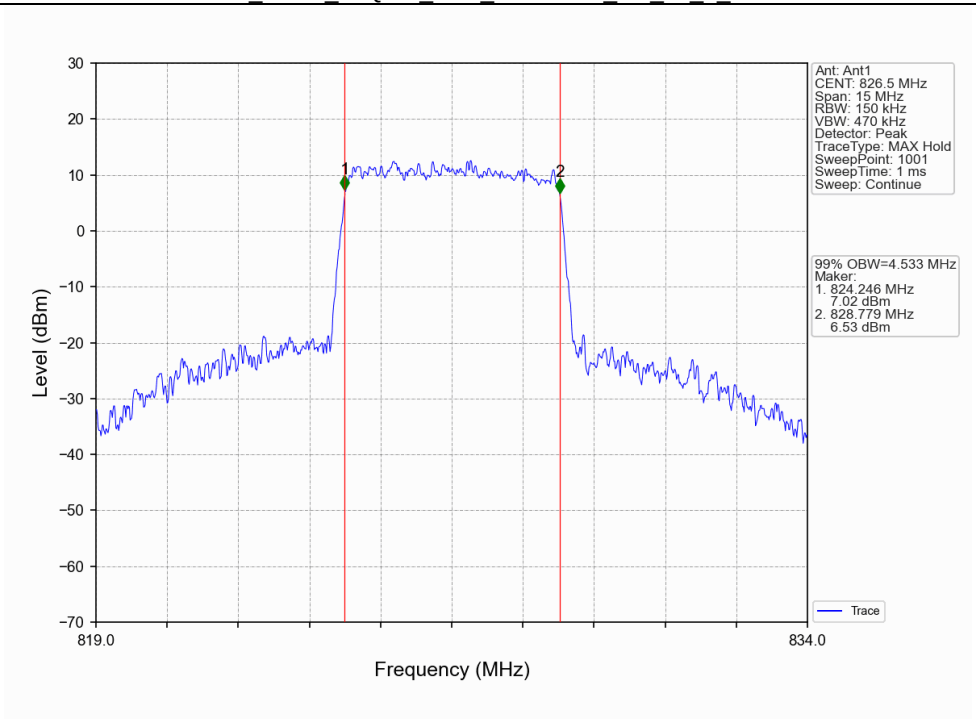
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



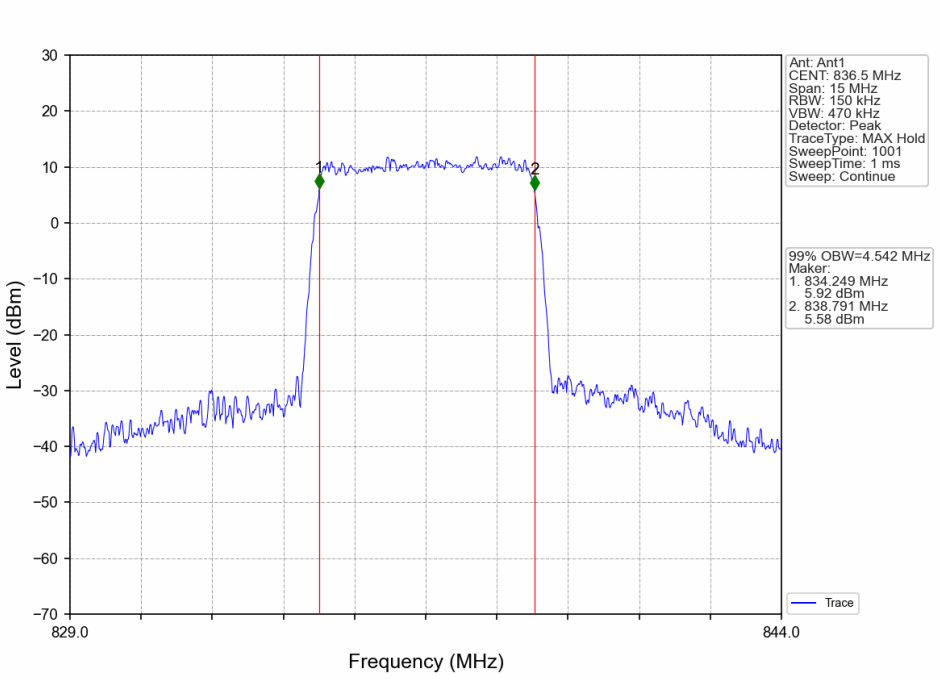
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



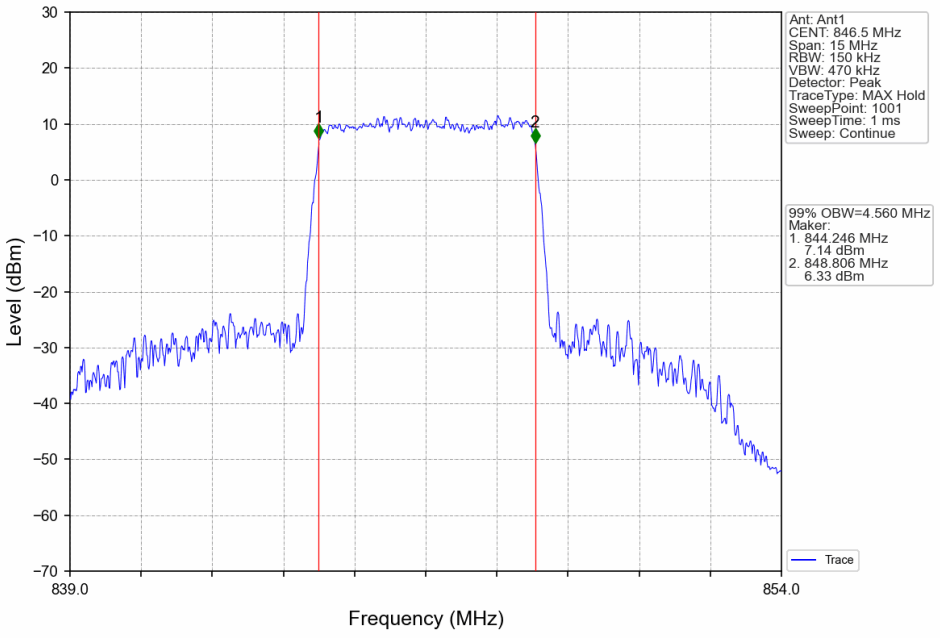
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



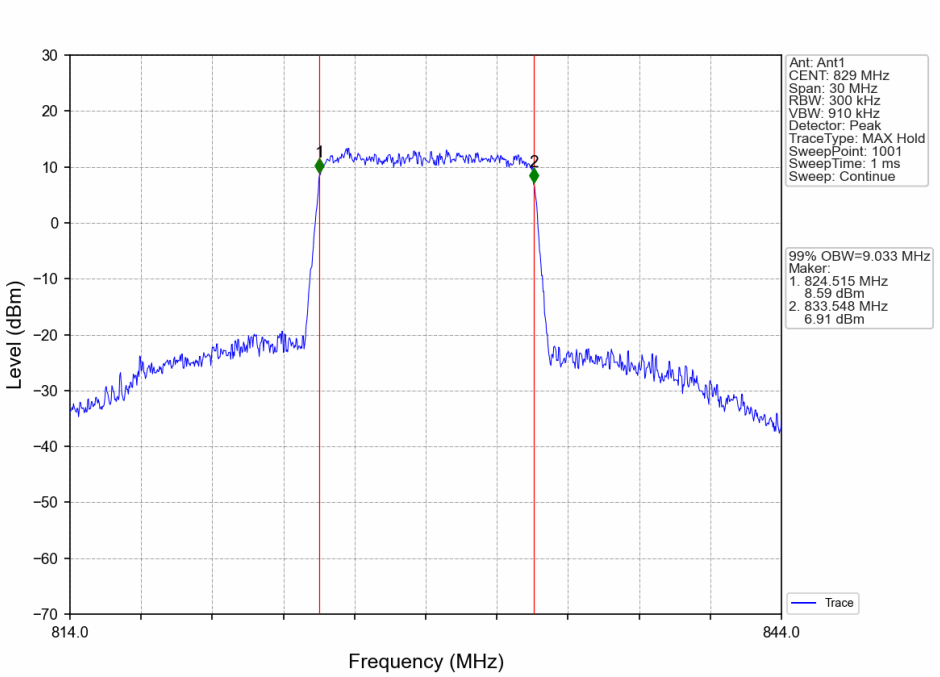
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



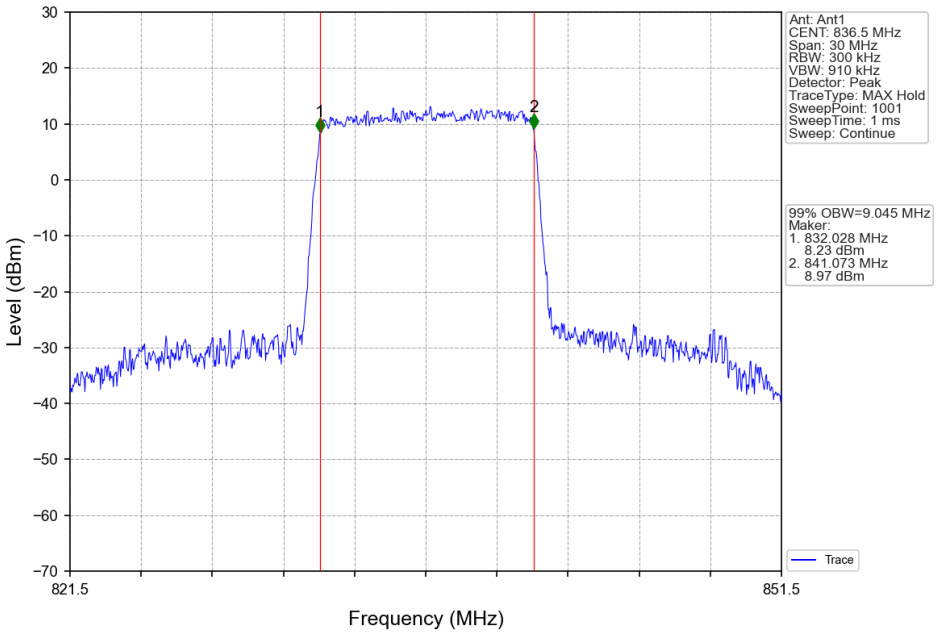
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



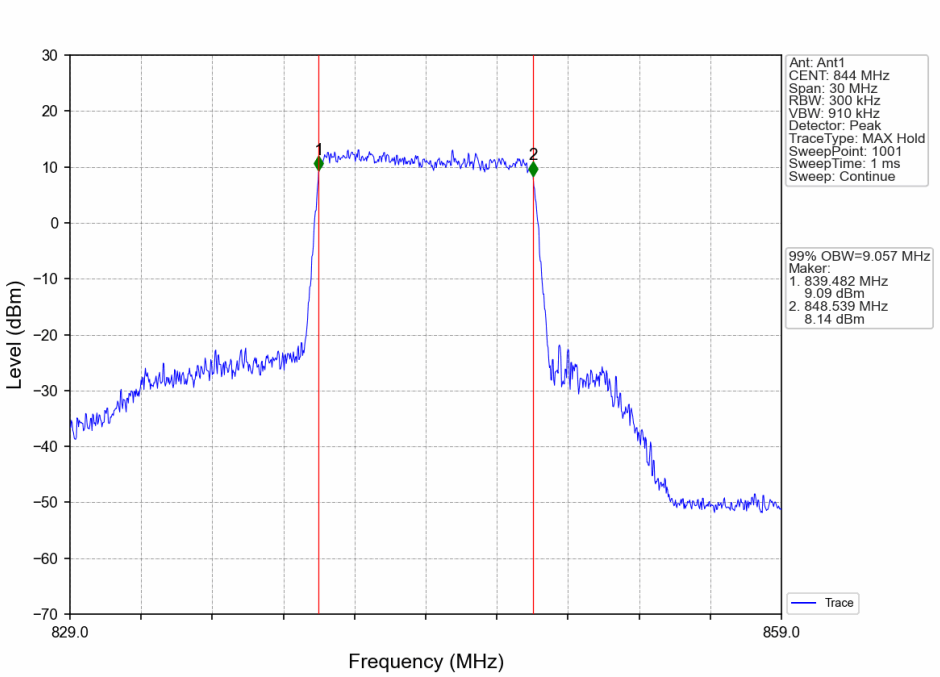
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



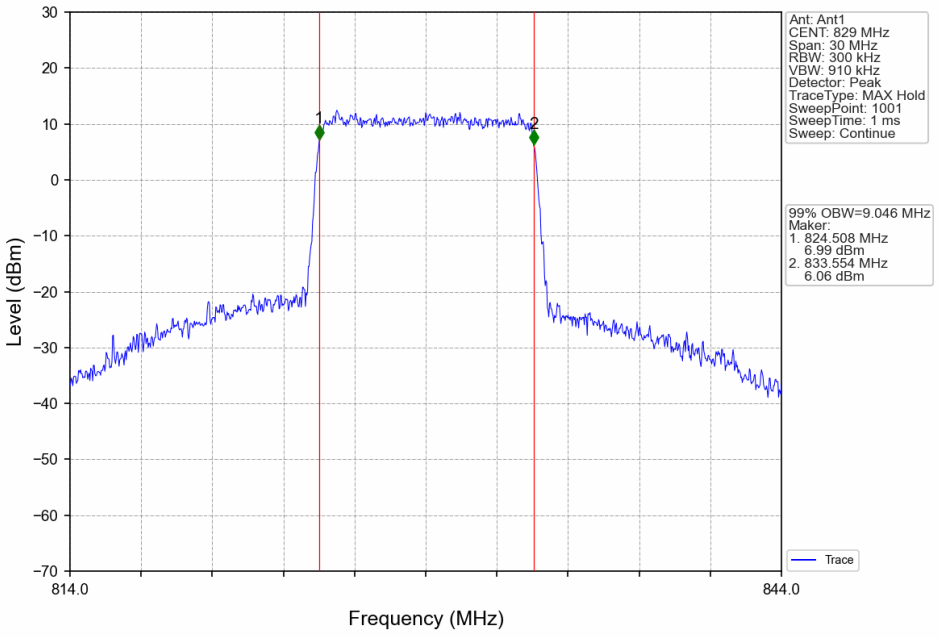
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



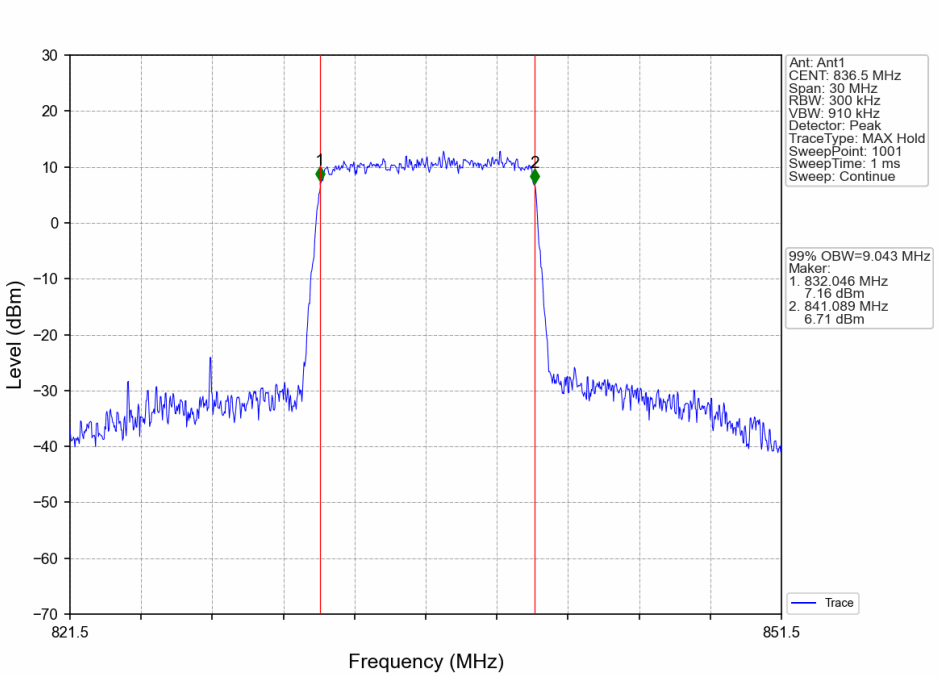
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



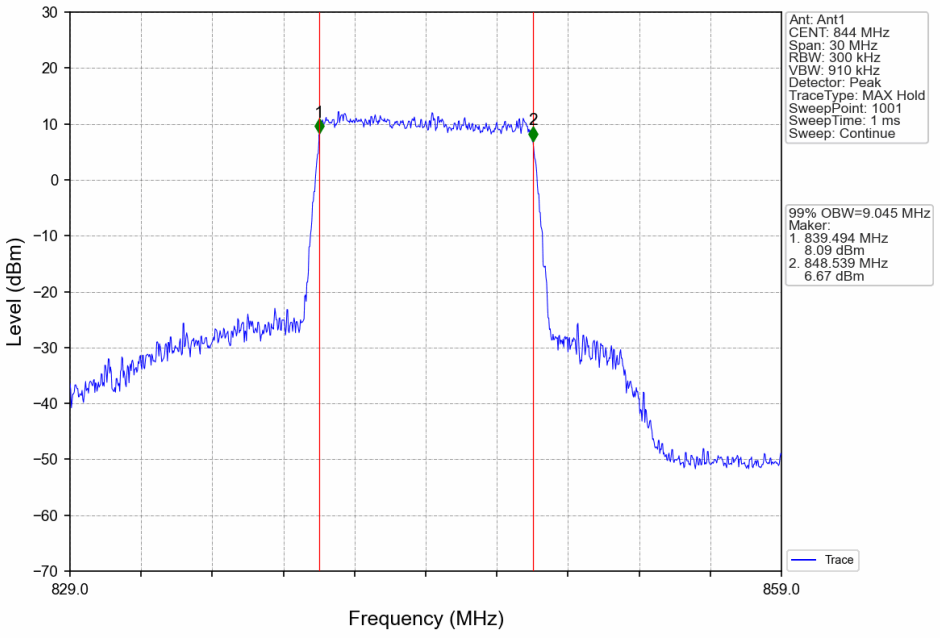
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

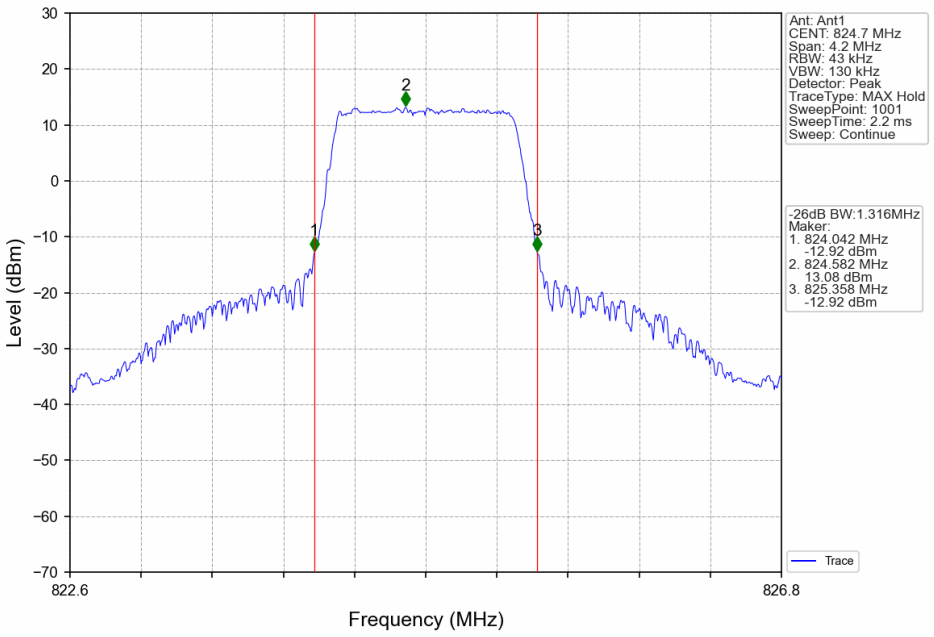


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

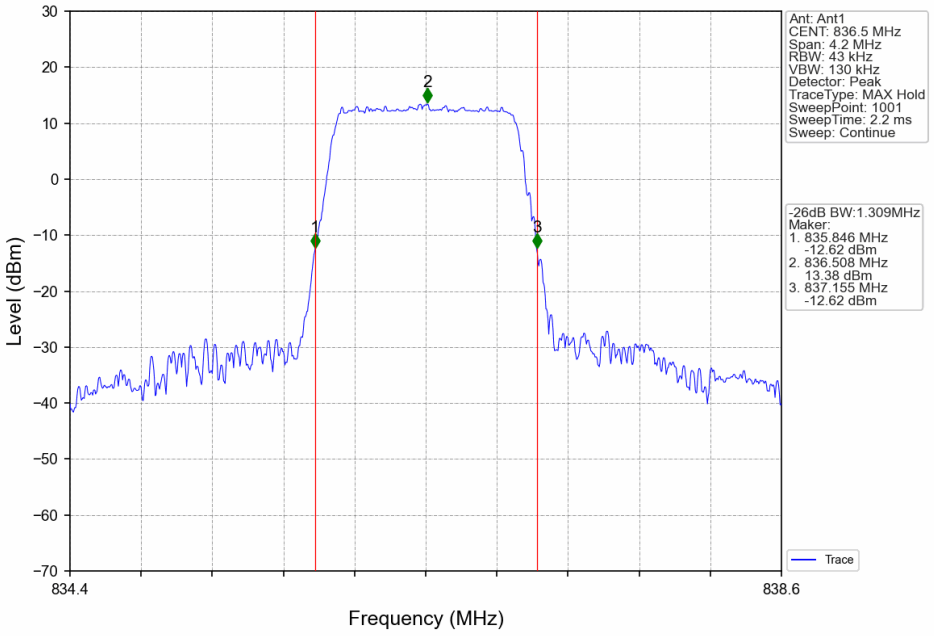


4.2.2 Band5_XDB

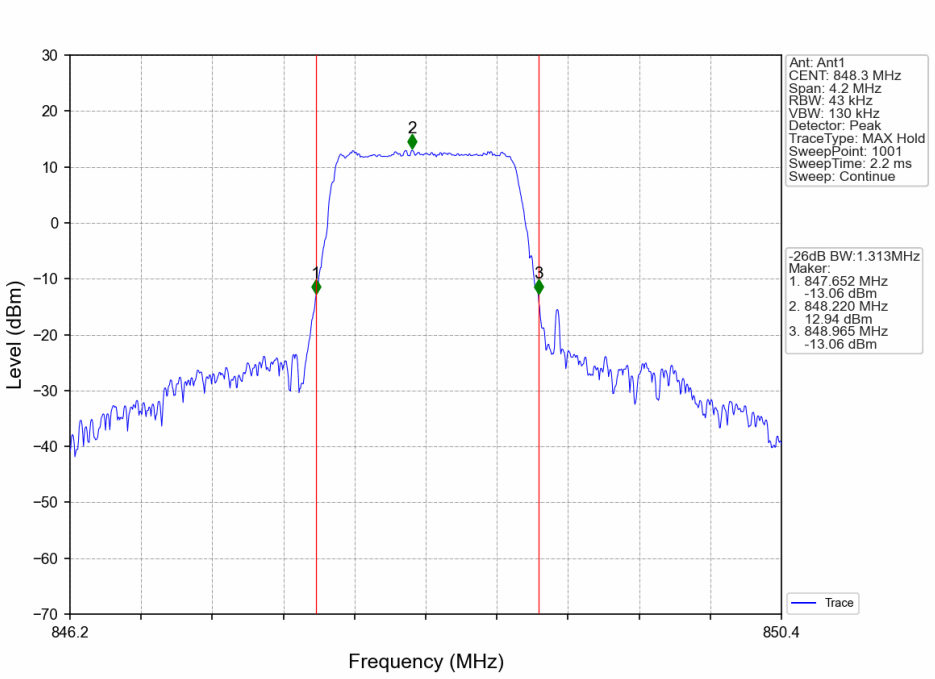
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



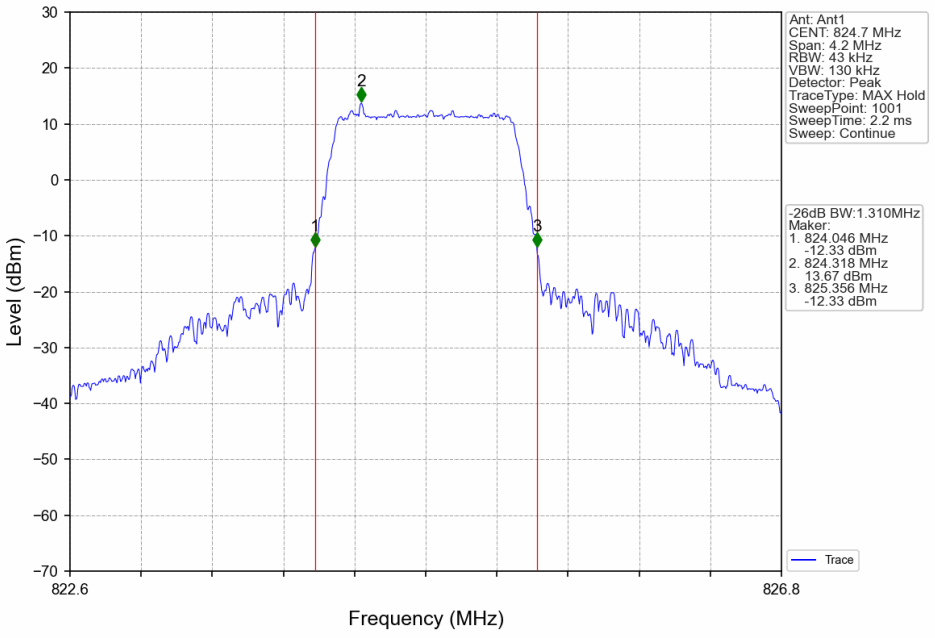
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



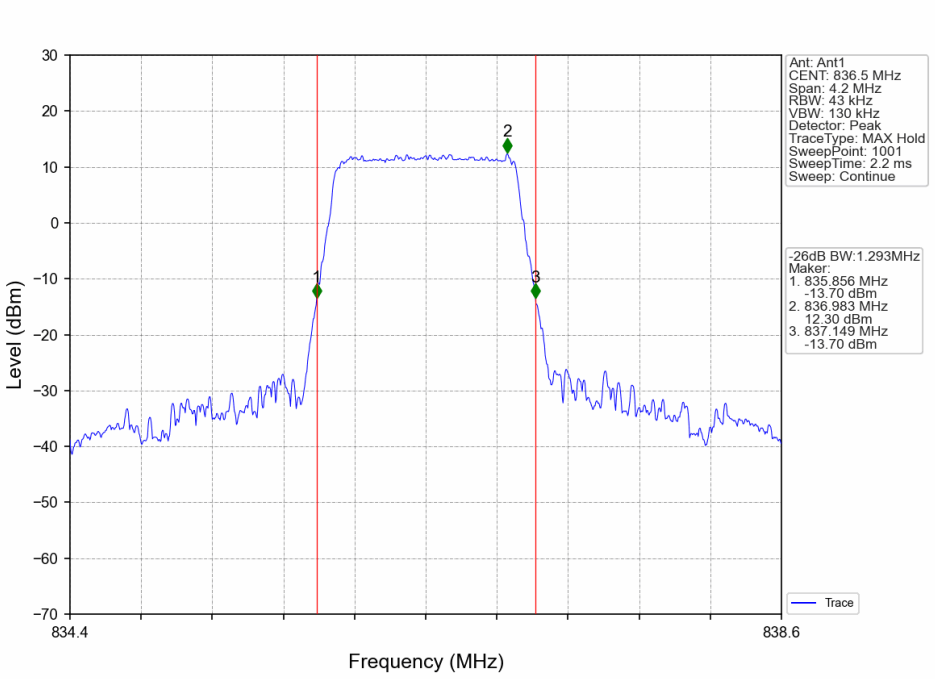
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



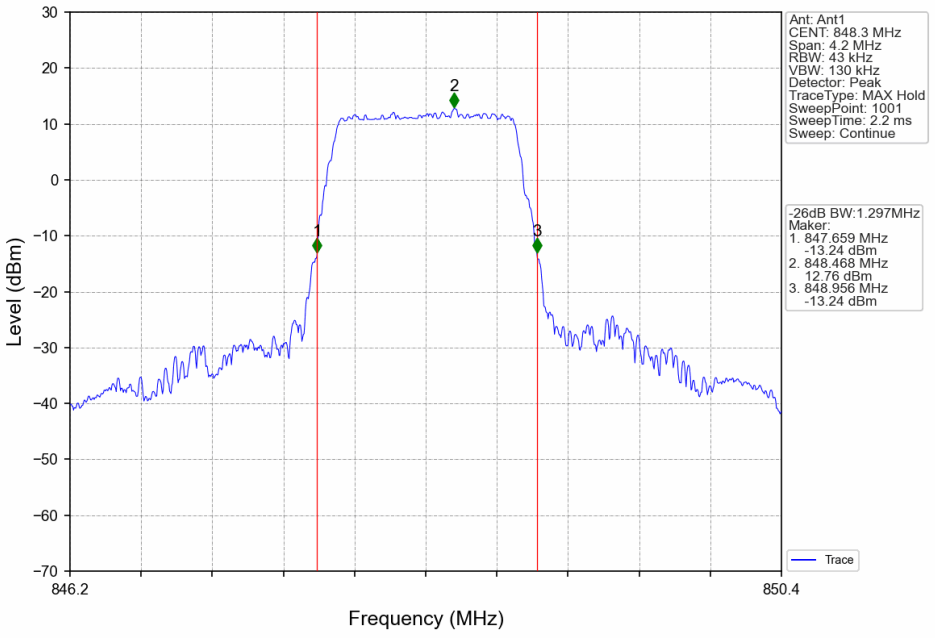
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



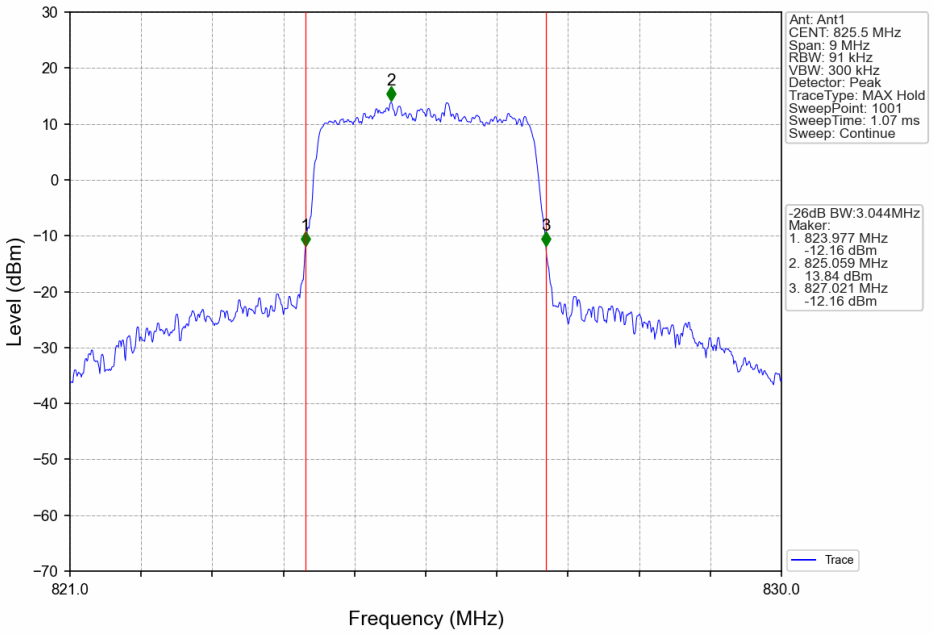
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



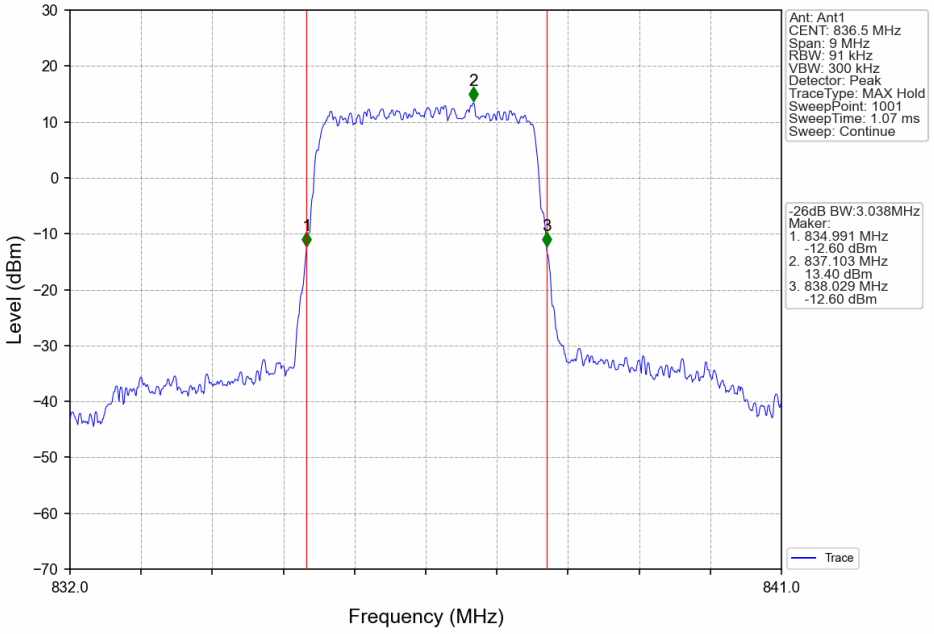
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



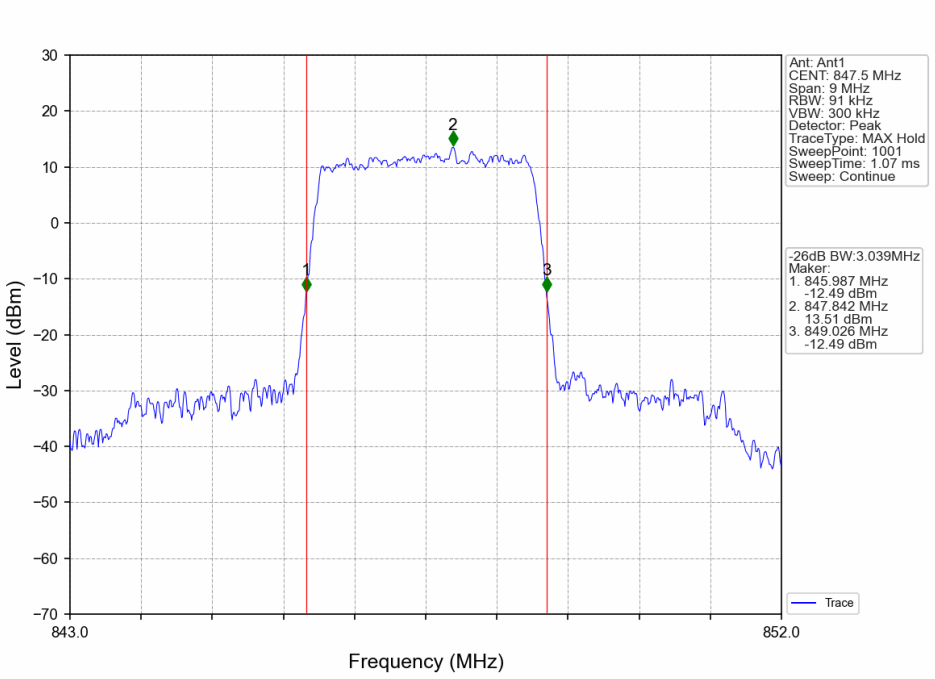
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



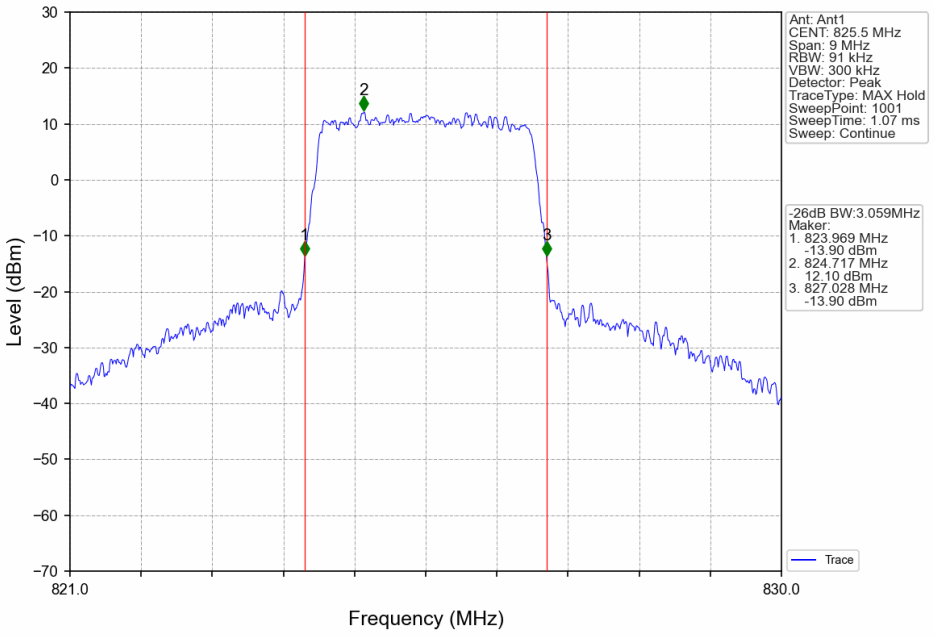
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



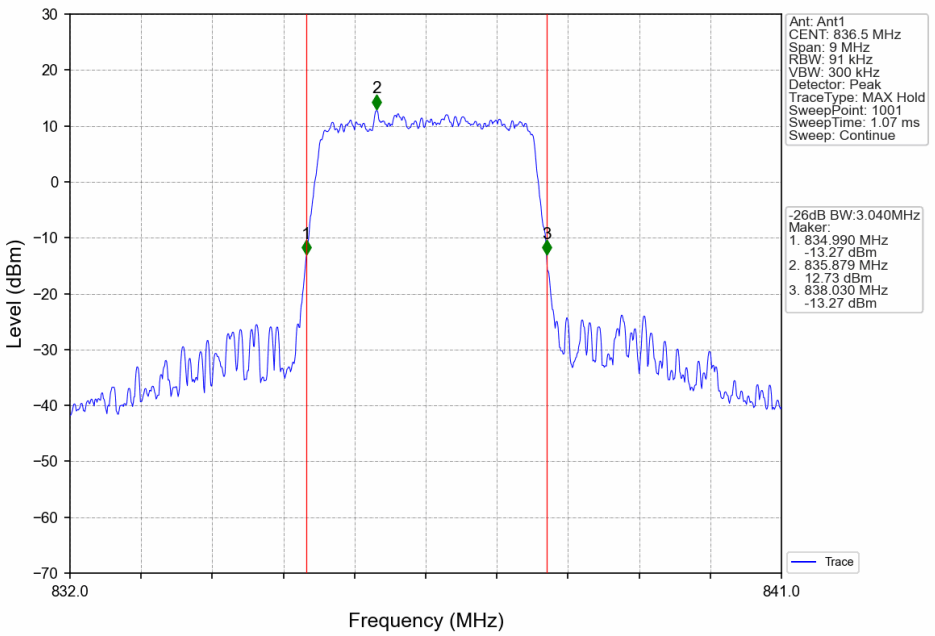
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



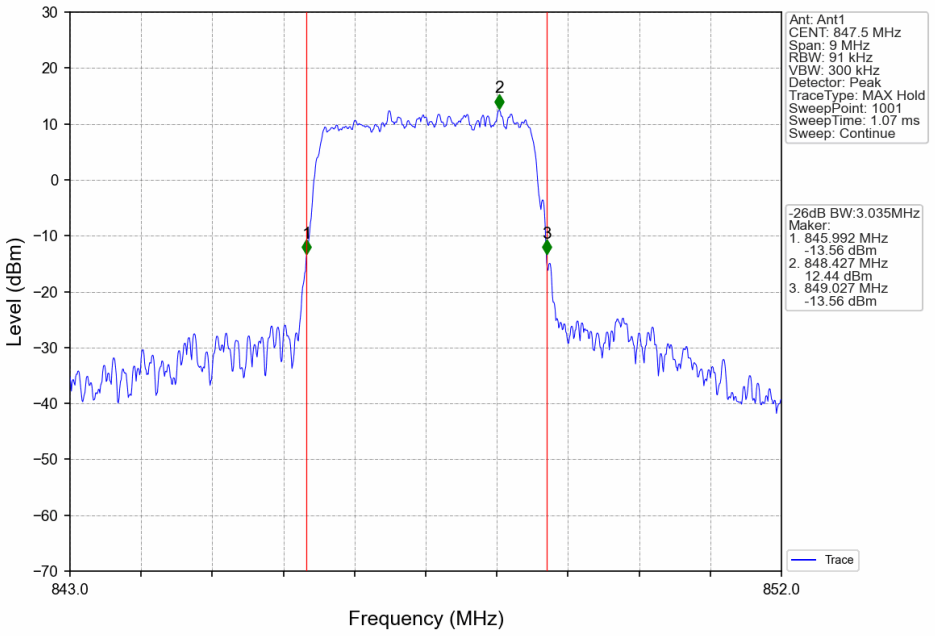
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



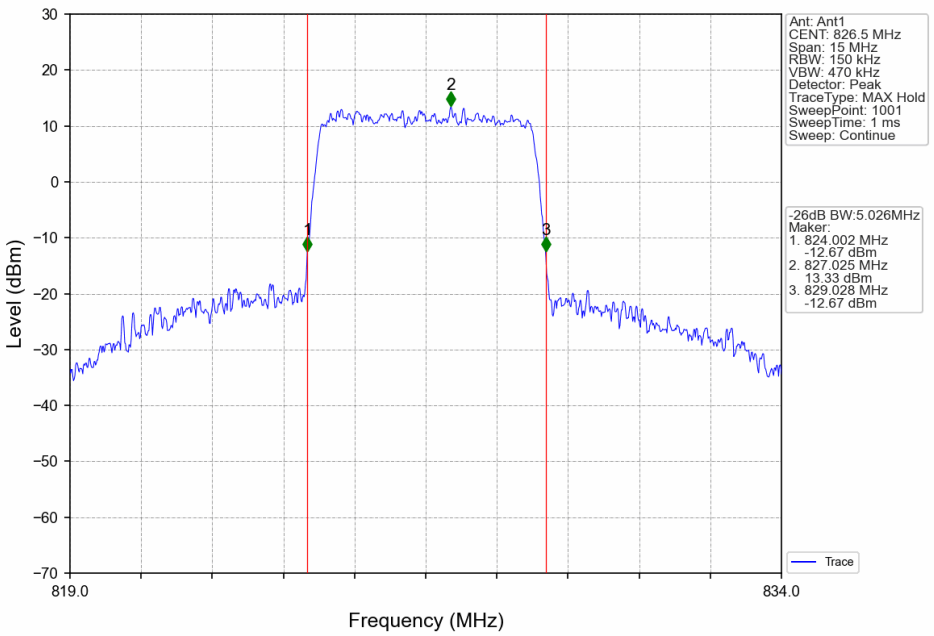
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



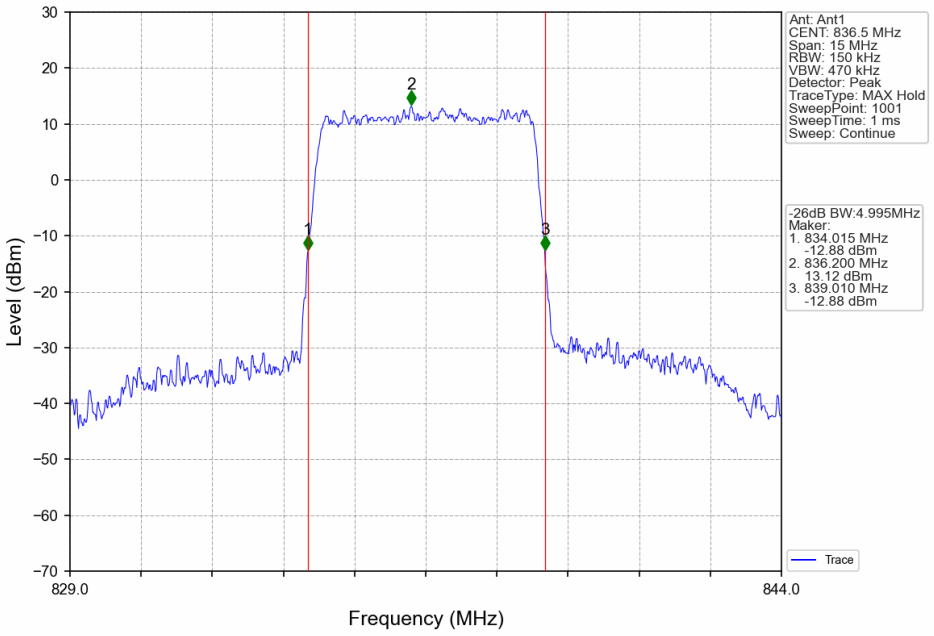
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



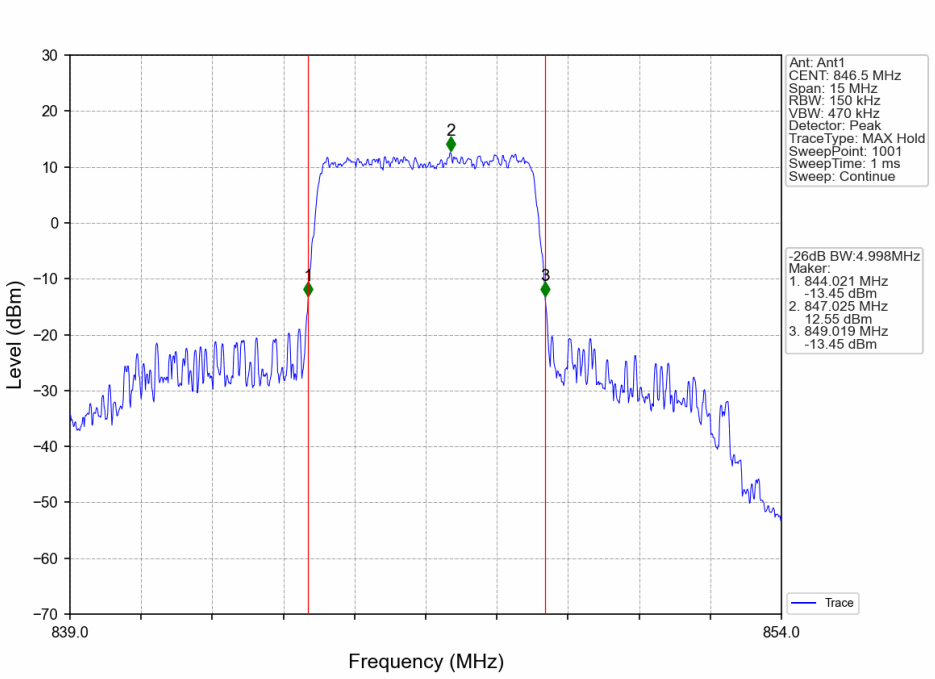
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



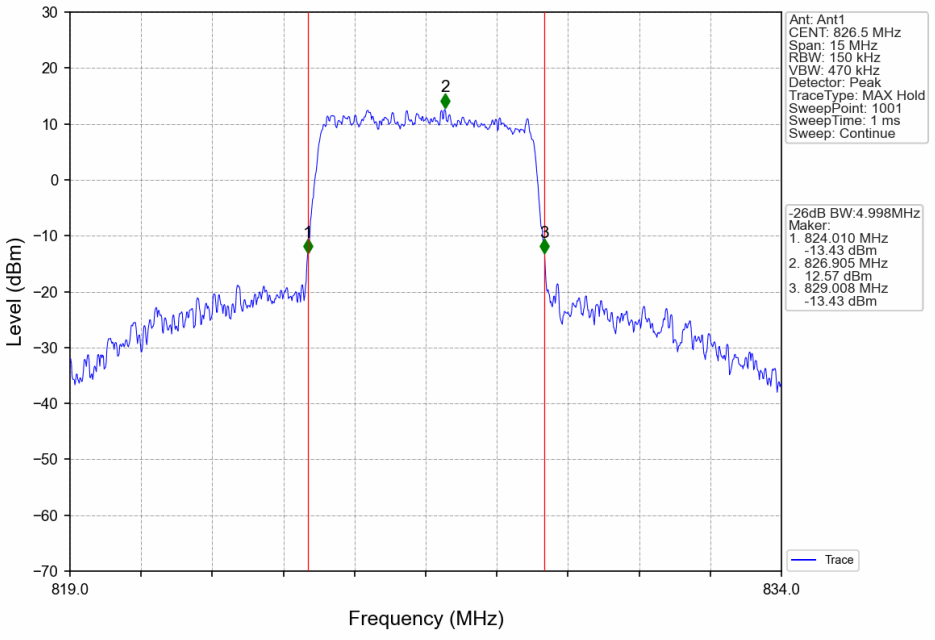
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



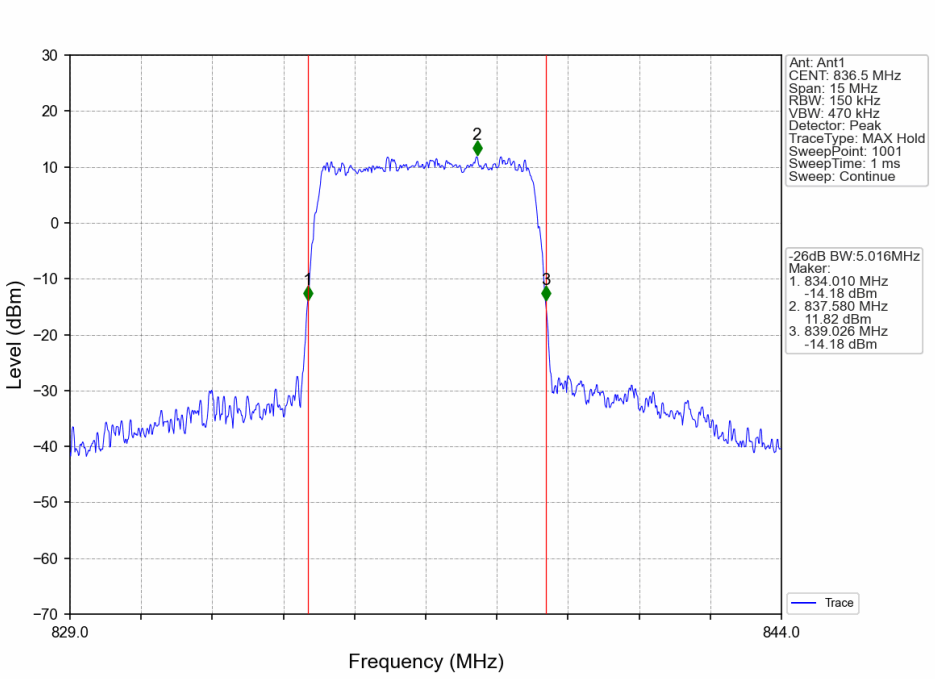
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



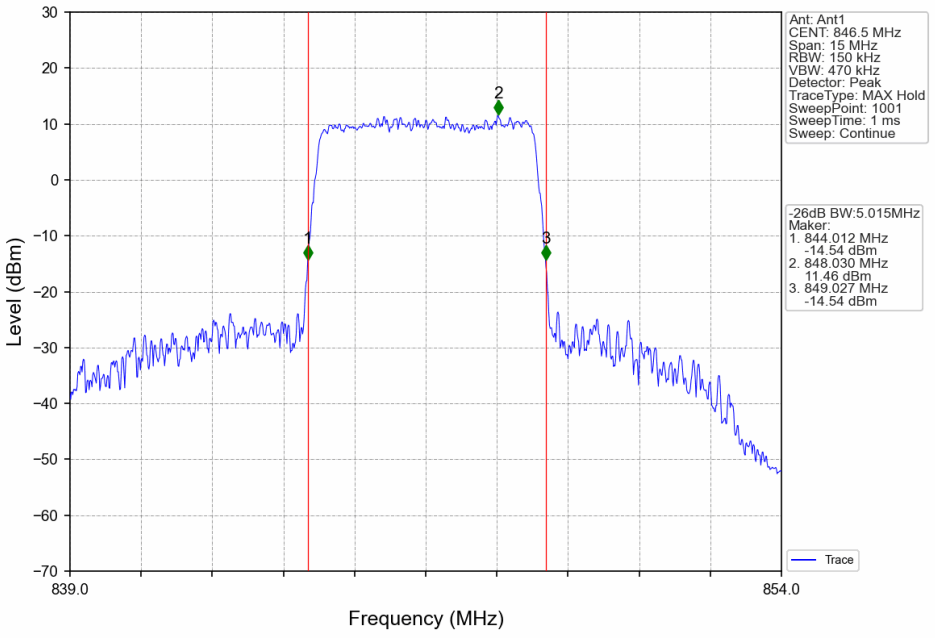
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



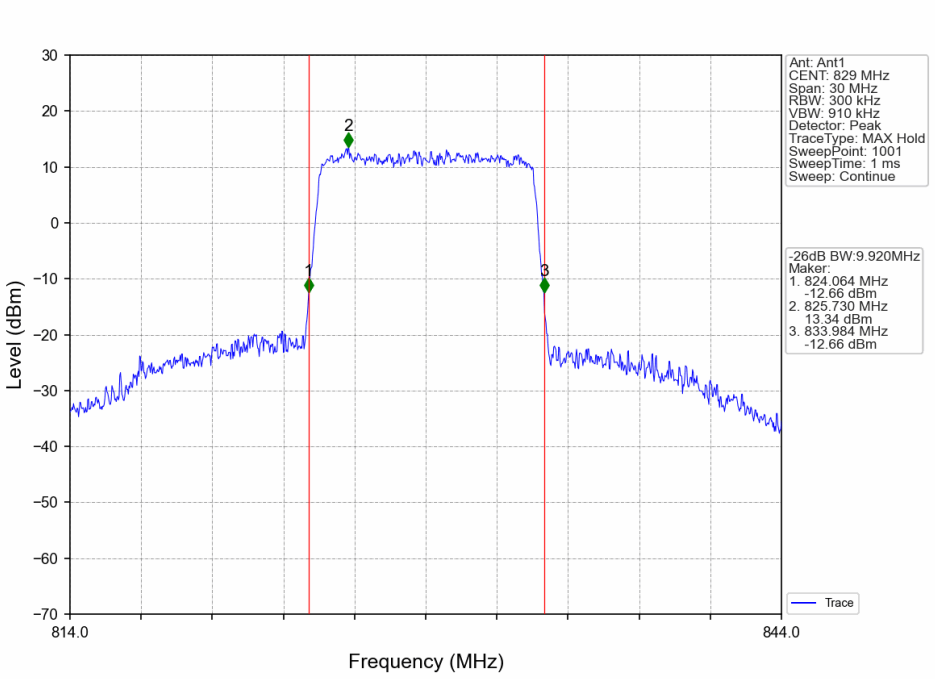
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



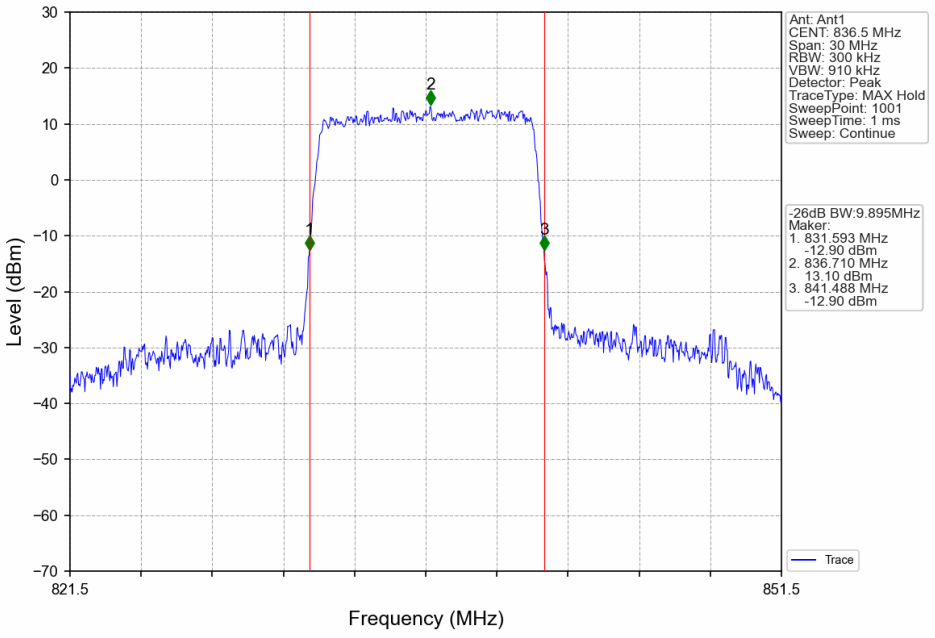
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



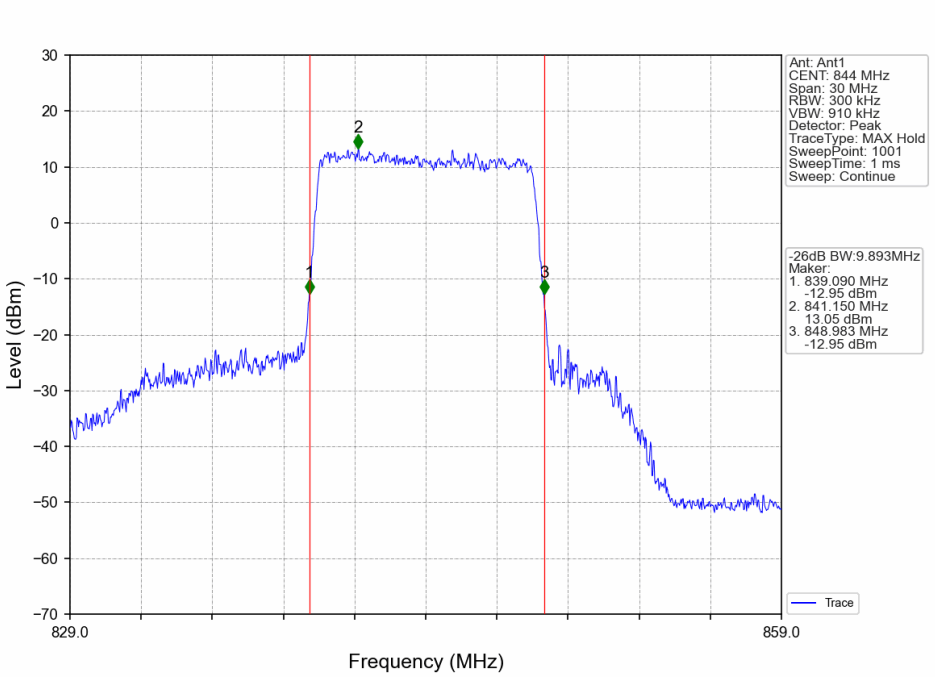
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



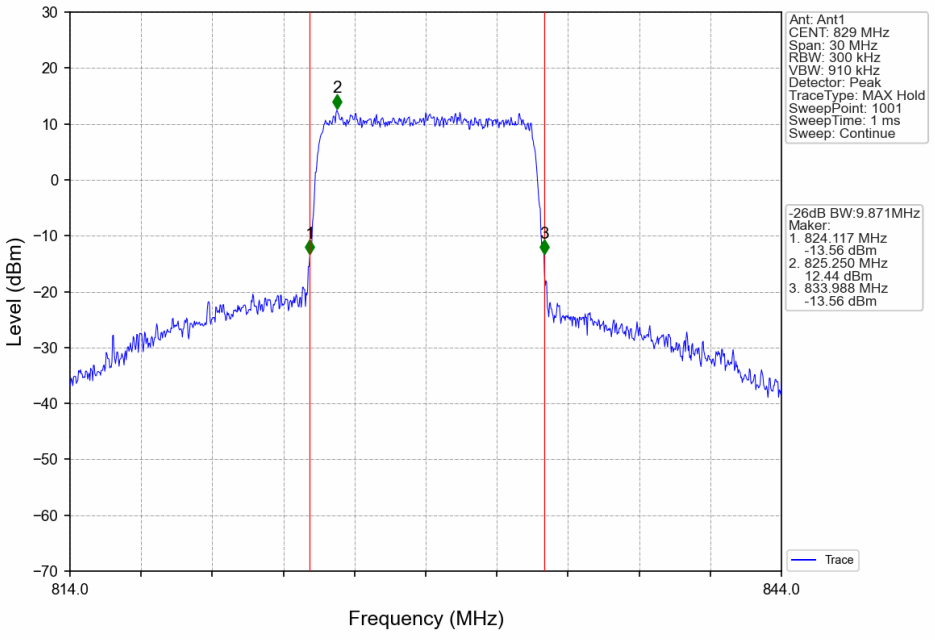
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



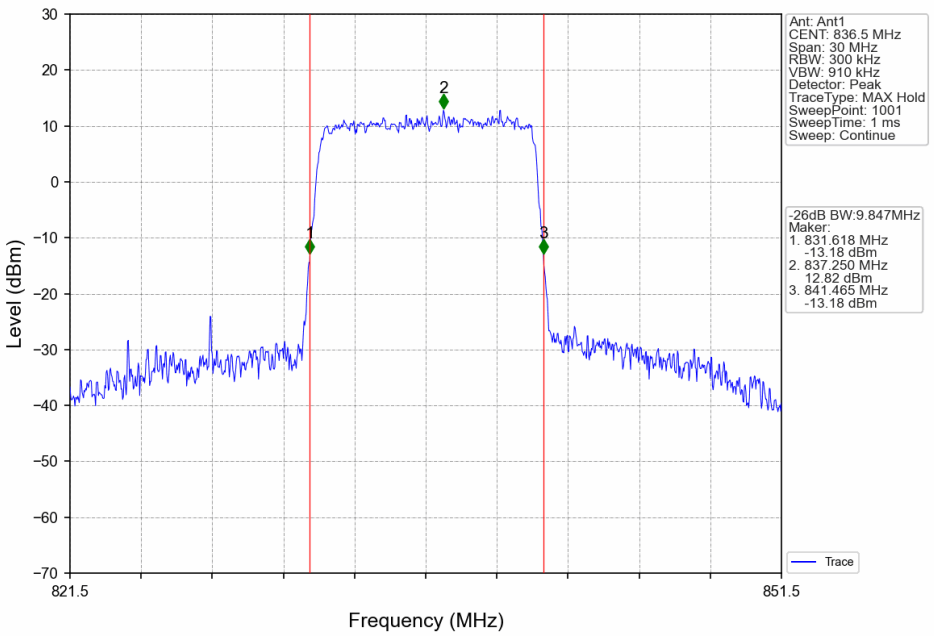
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



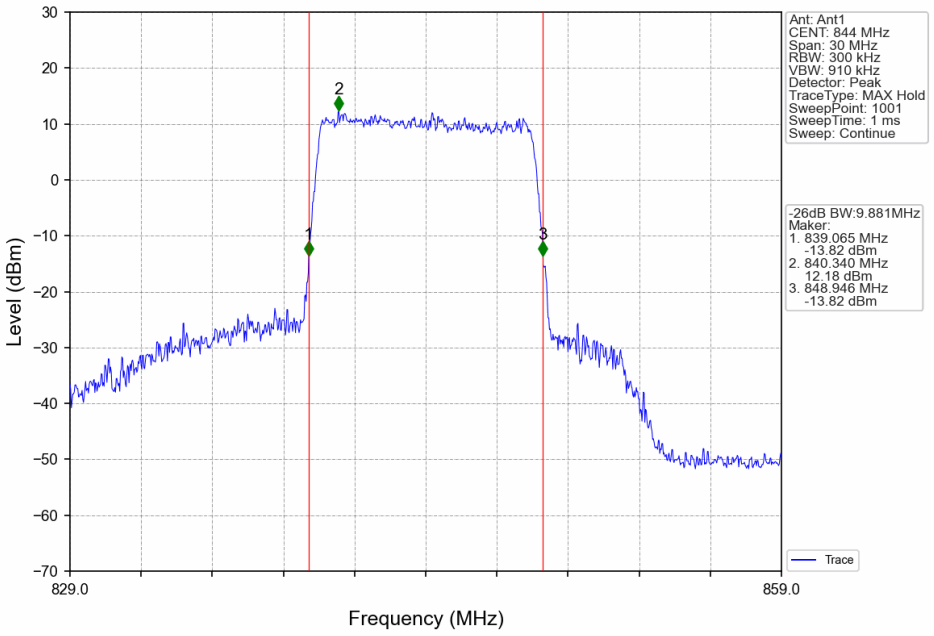
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	4.65	<=13	Pass
	836.5	6	0	5.55	<=13	Pass
	848.3	6	0	5.60	<=13	Pass
16QAM	824.7	6	0	5.49	<=13	Pass
	836.5	6	0	6.38	<=13	Pass
	848.3	6	0	6.30	<=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	4.70	<=13	Pass
	836.5	15	0	5.52	<=13	Pass
	847.5	15	0	5.41	<=13	Pass
16QAM	825.5	15	0	5.56	<=13	Pass
	836.5	15	0	6.38	<=13	Pass
	847.5	15	0	6.28	<=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	5.09	<=13	Pass
	836.5	25	0	5.71	<=13	Pass
	846.5	25	0	5.67	<=13	Pass
16QAM	826.5	25	0	5.92	<=13	Pass
	836.5	25	0	6.38	<=13	Pass
	846.5	25	0	6.30	<=13	Pass

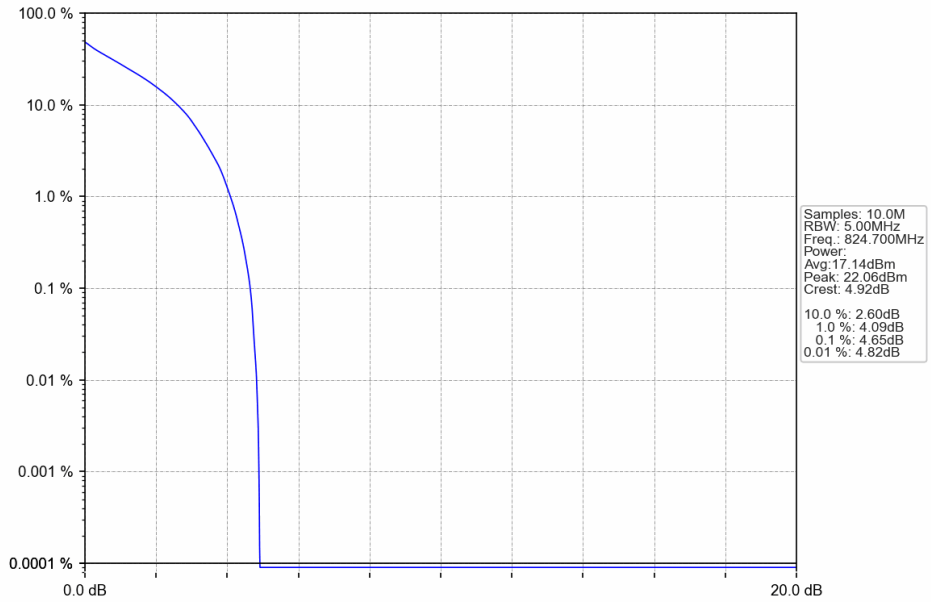
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.40	<=13	Pass
	836.5	50	0	5.52	<=13	Pass
	844	50	0	5.57	<=13	Pass
16QAM	829	50	0	6.09	<=13	Pass
	836.5	50	0	6.31	<=13	Pass
	844	50	0	6.29	<=13	Pass

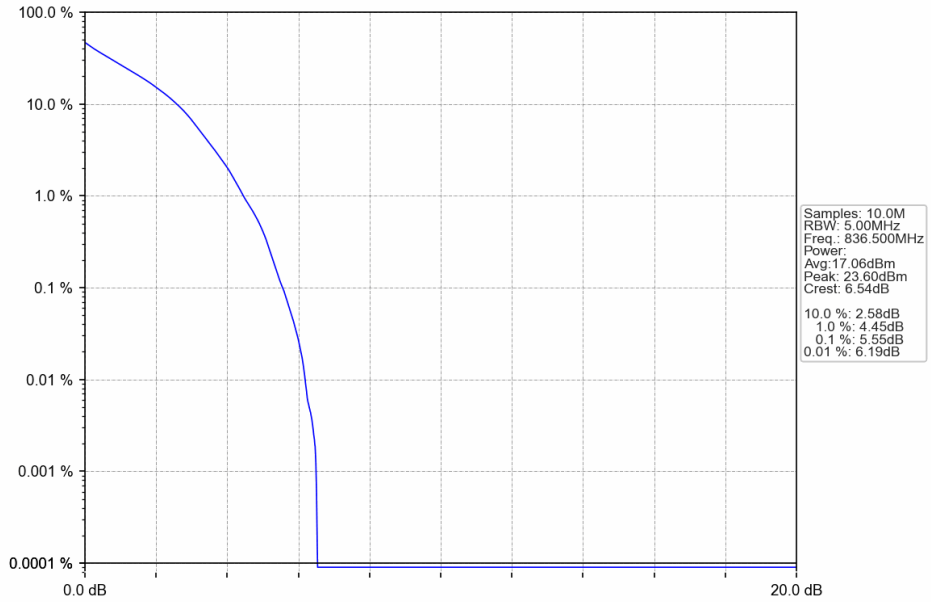
5.2 Test Graph

5.2.1 B5_1.4MHz

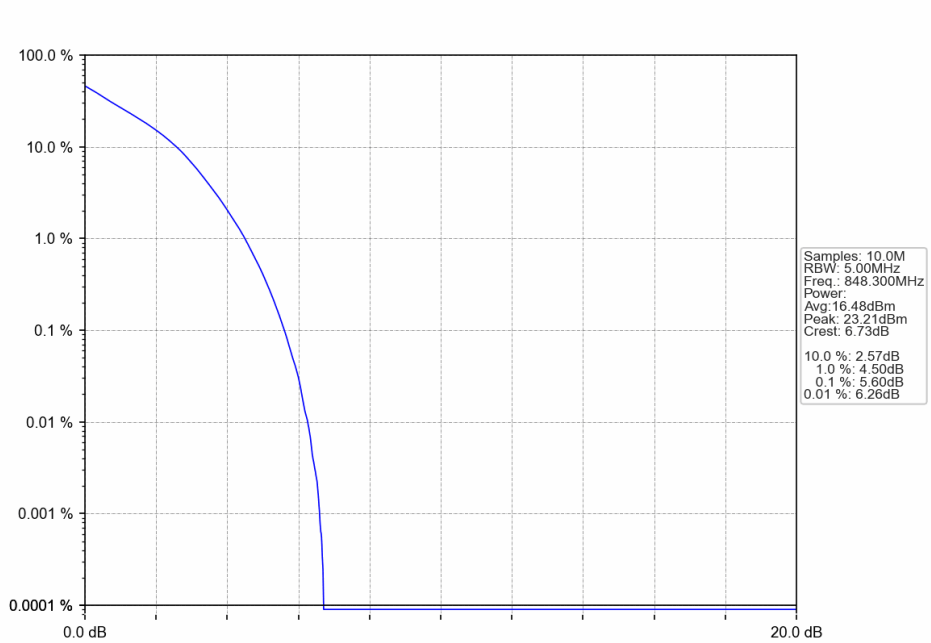
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



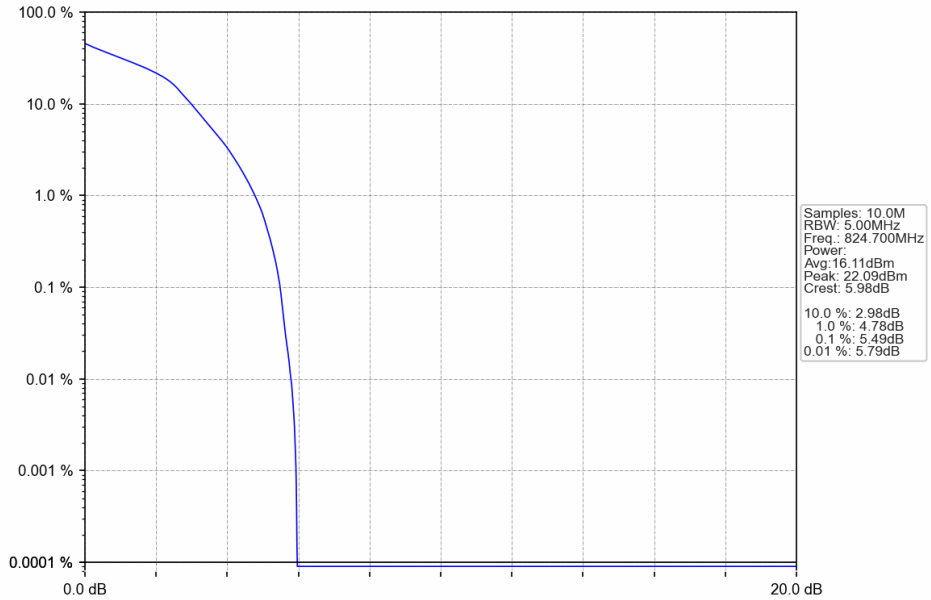
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



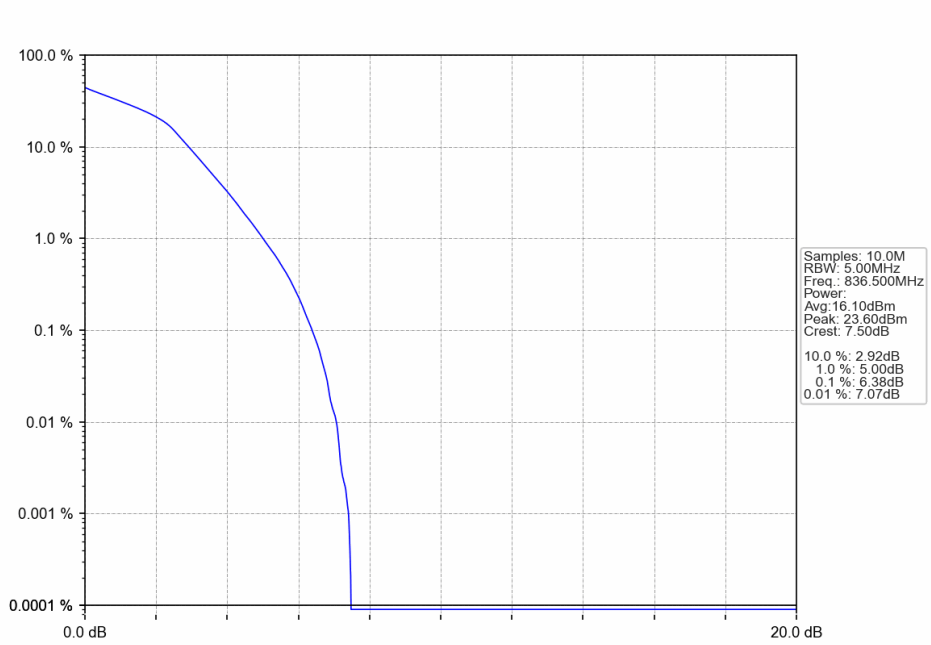
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



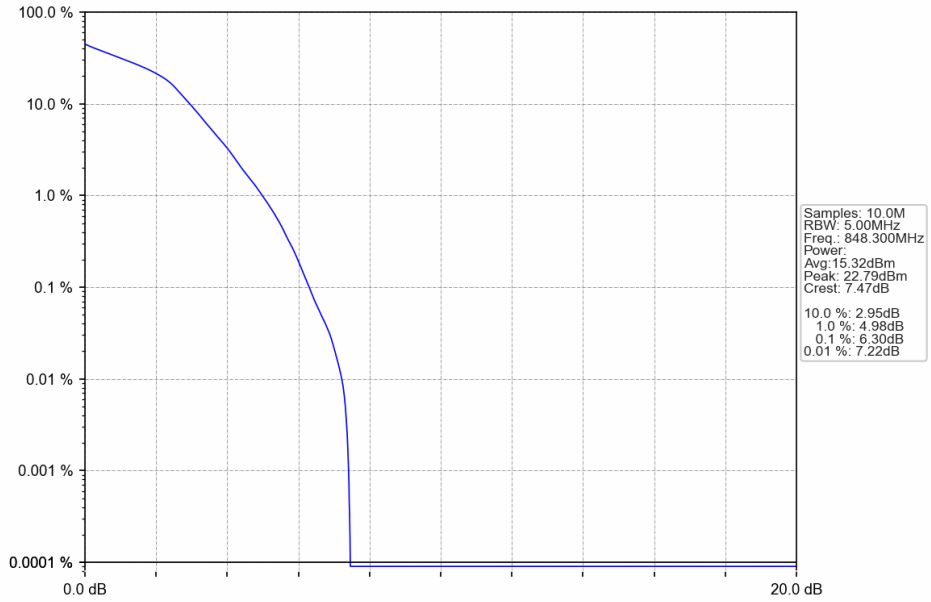
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

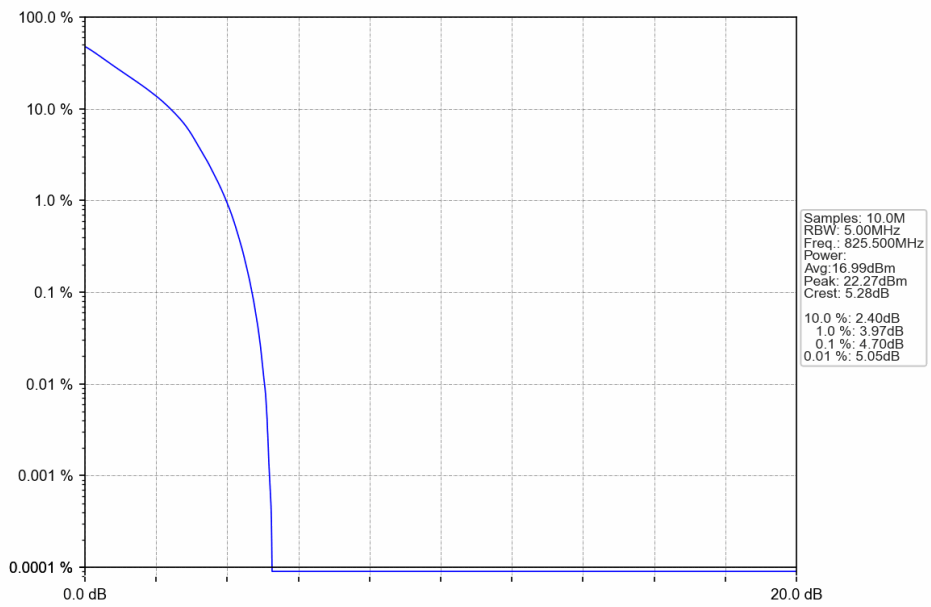


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

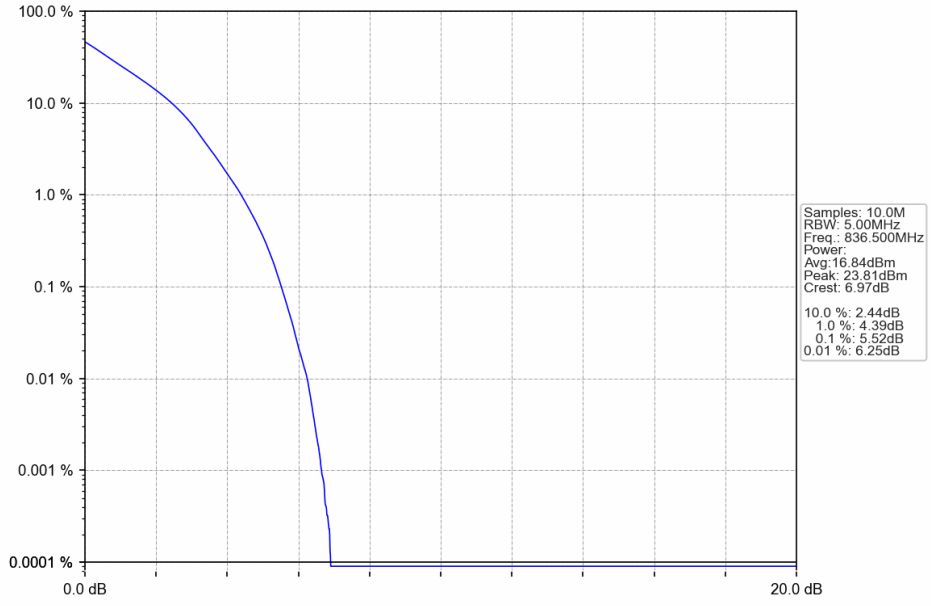


5.2.2 B5_3MHz

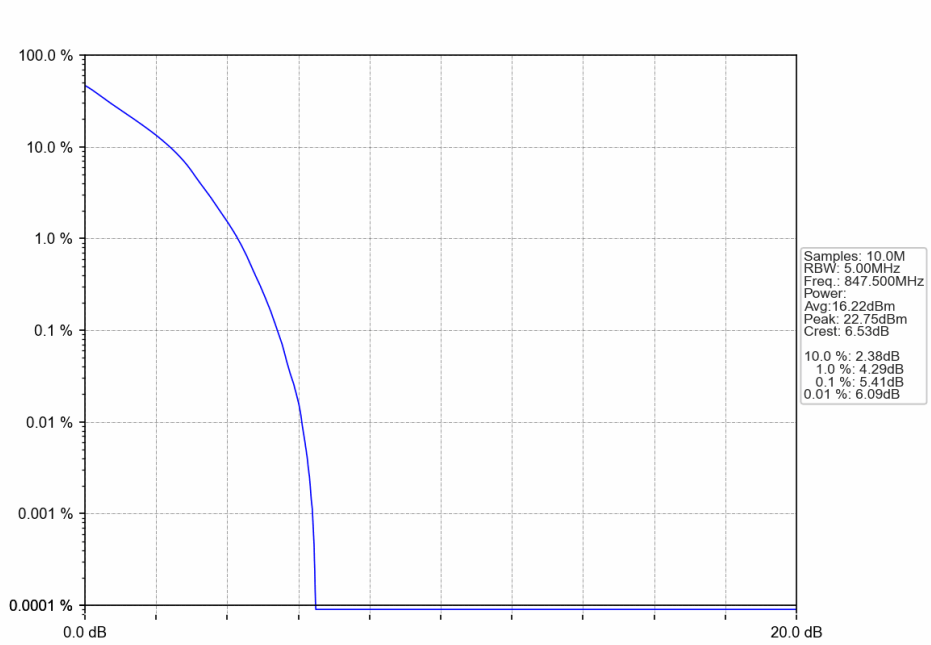
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



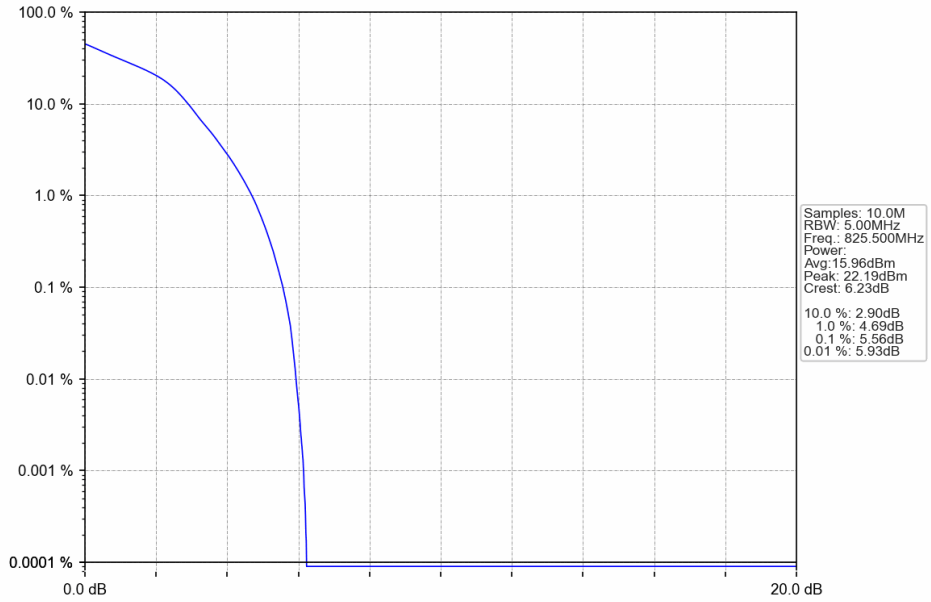
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



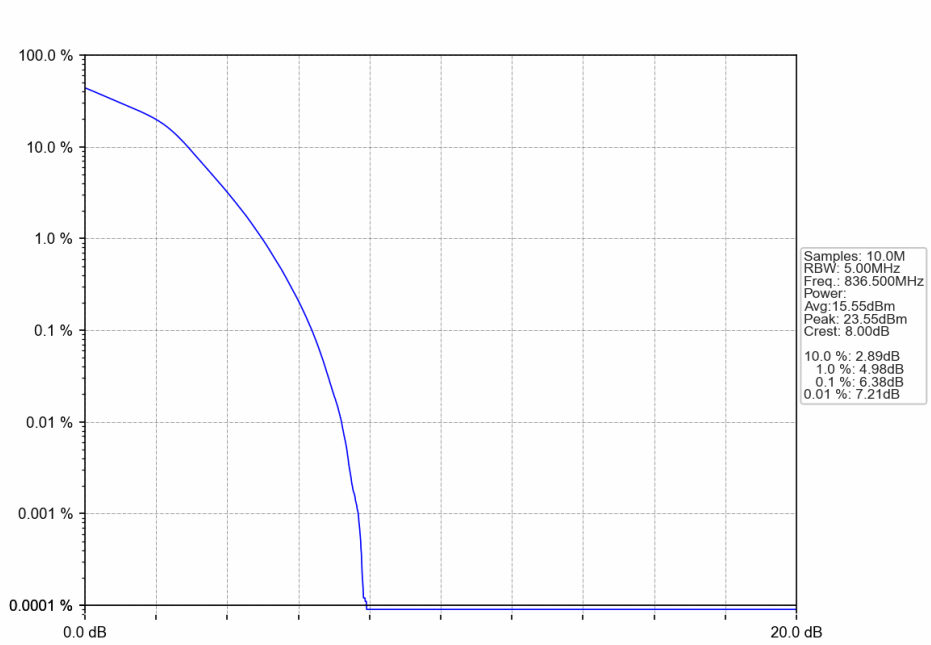
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



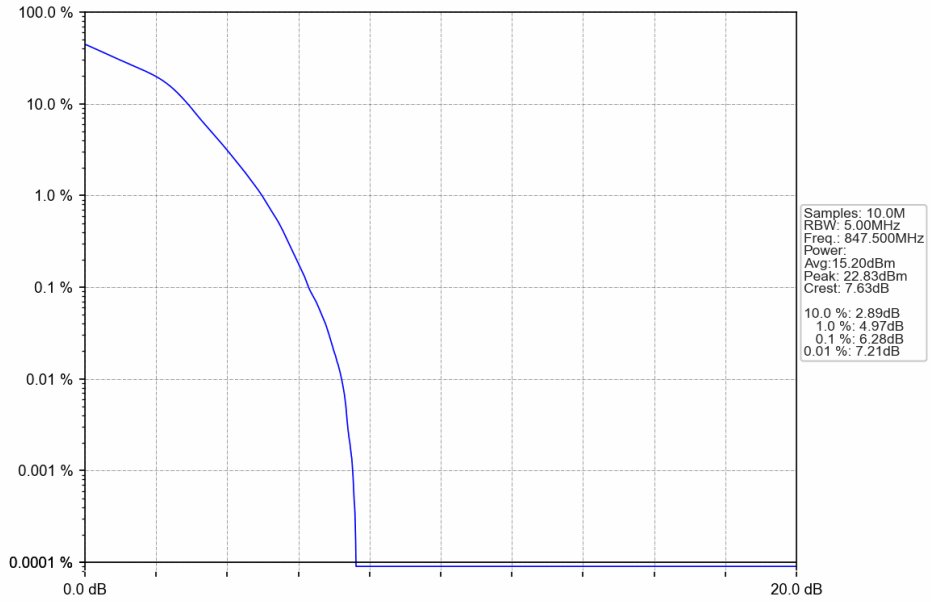
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

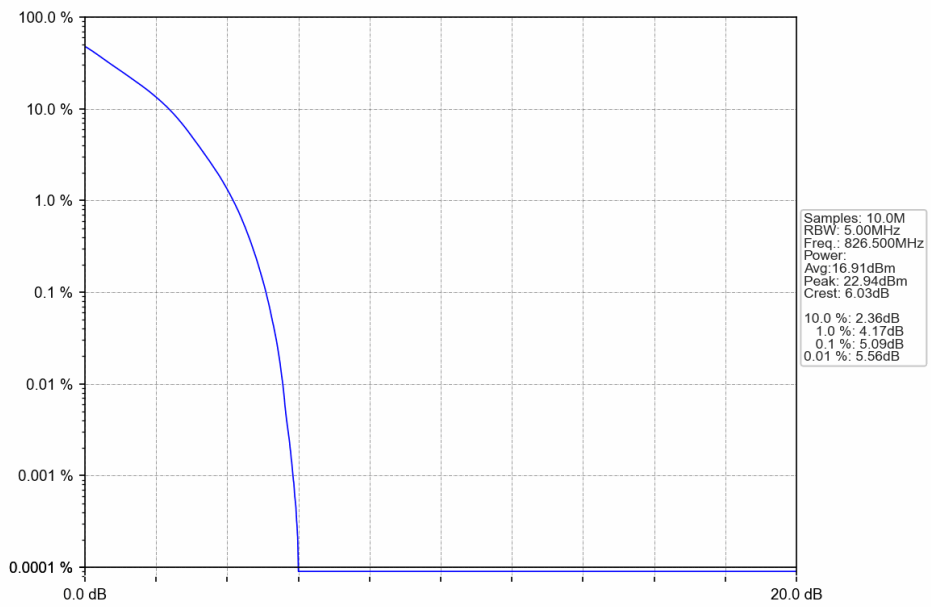


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

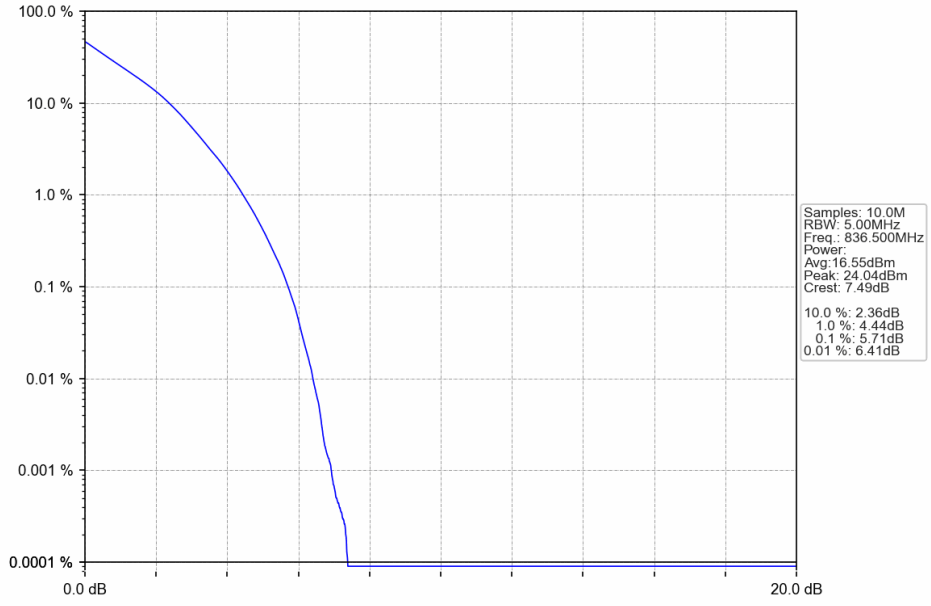


5.2.3 B5_5MHz

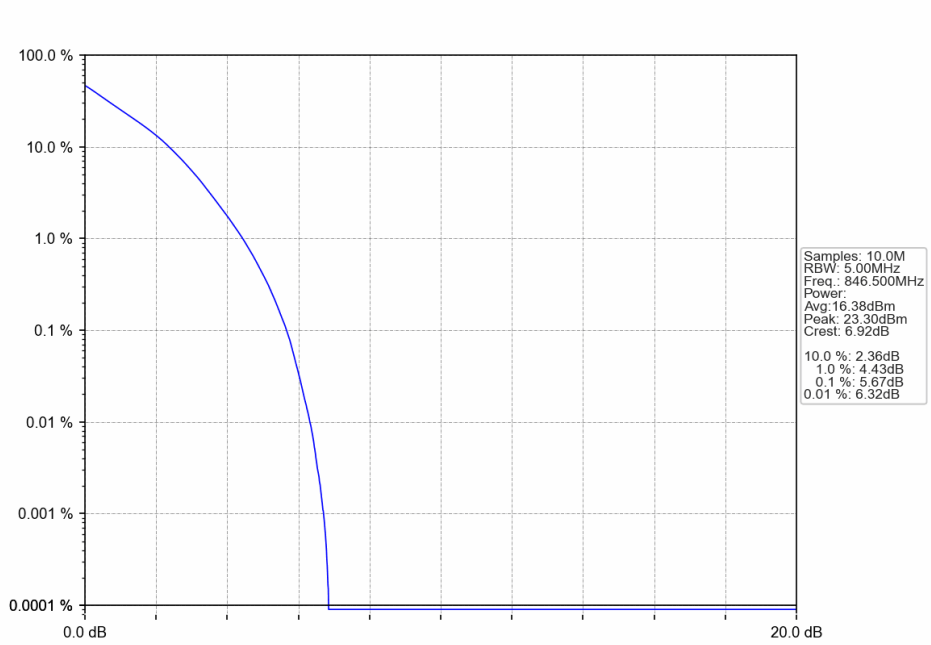
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



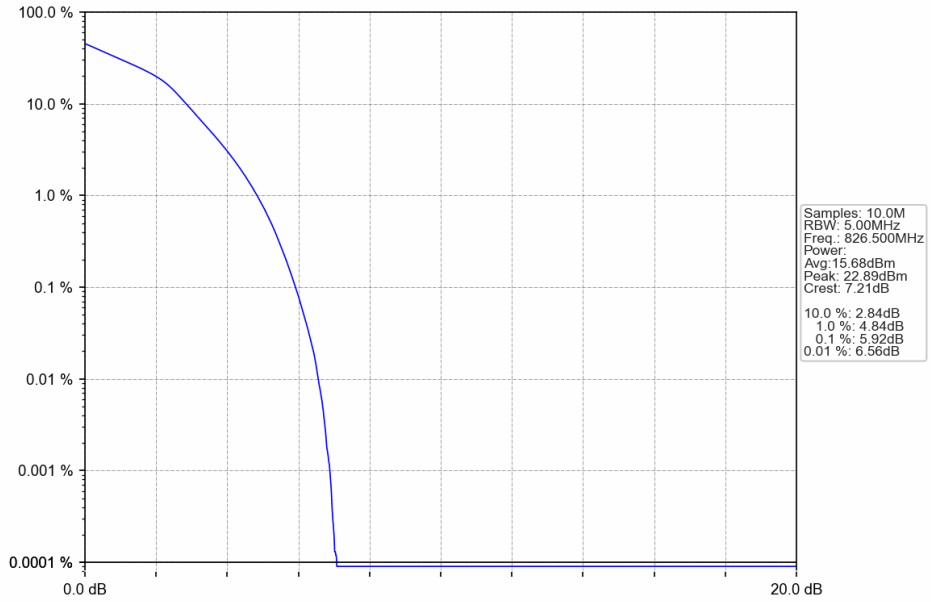
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



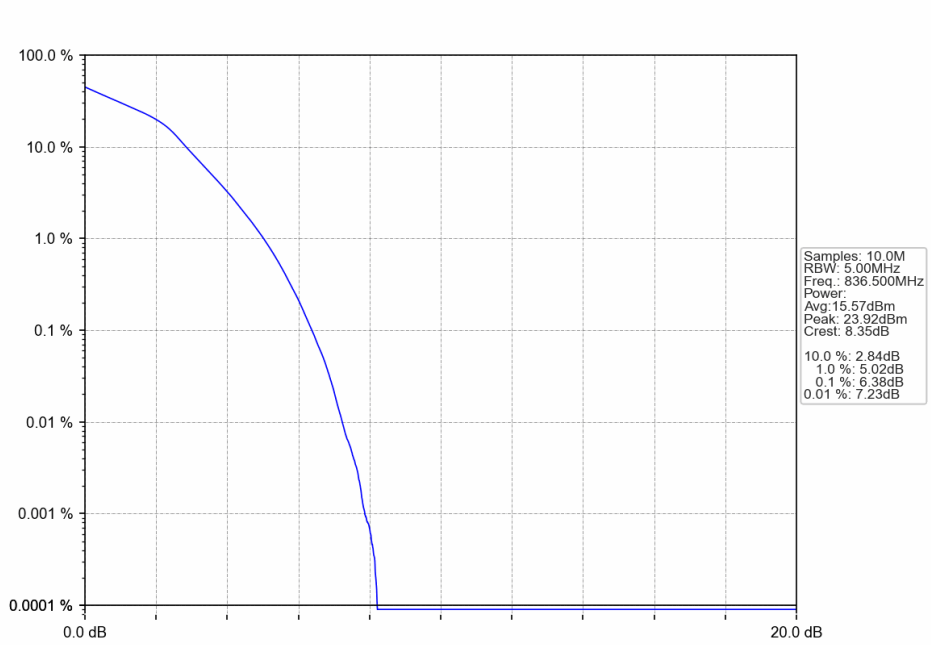
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



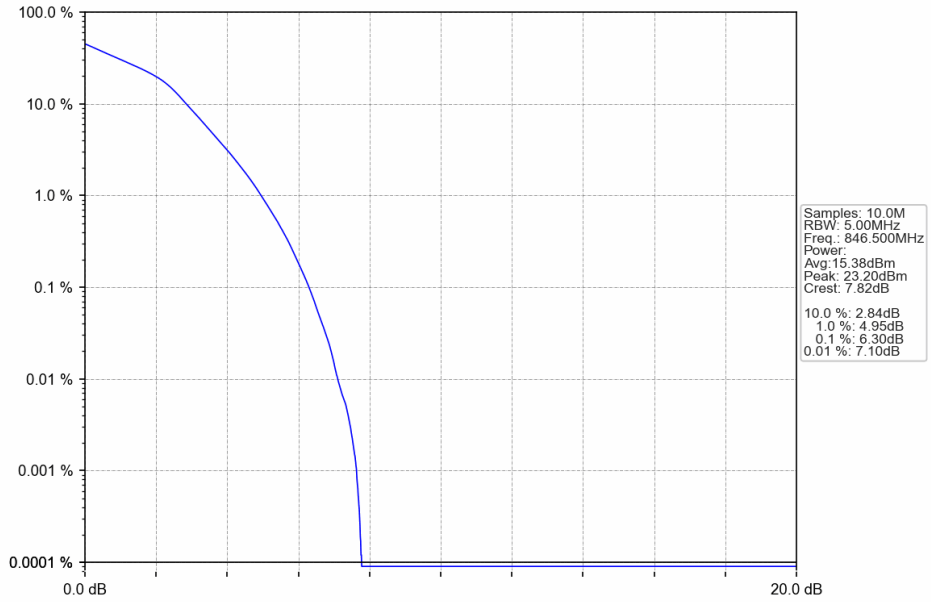
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

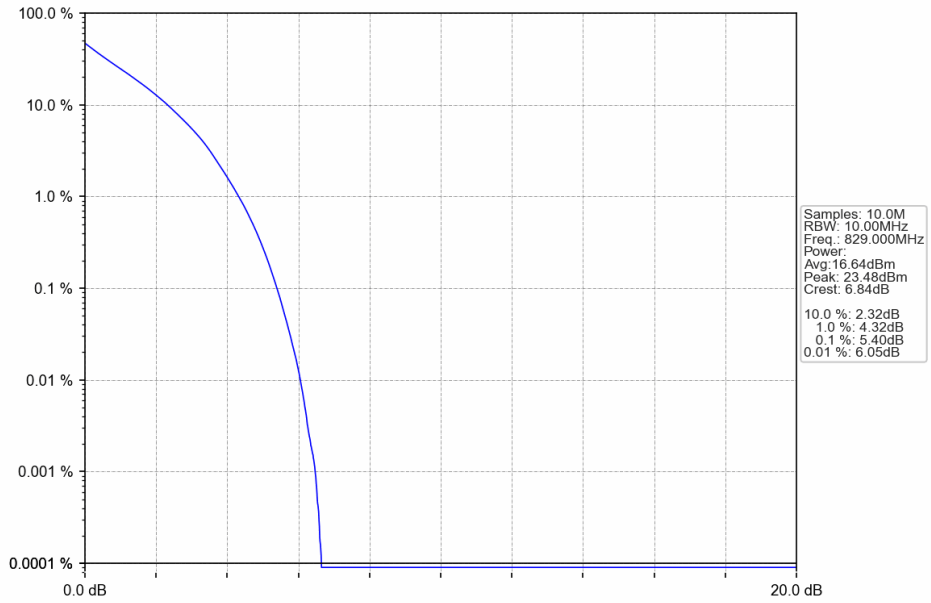


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

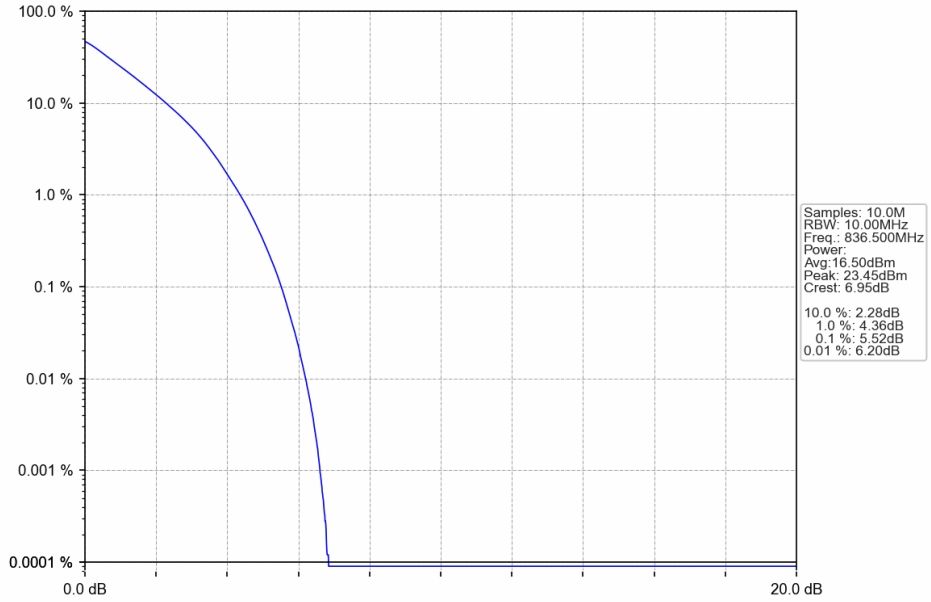


5.2.4 B5_10MHz

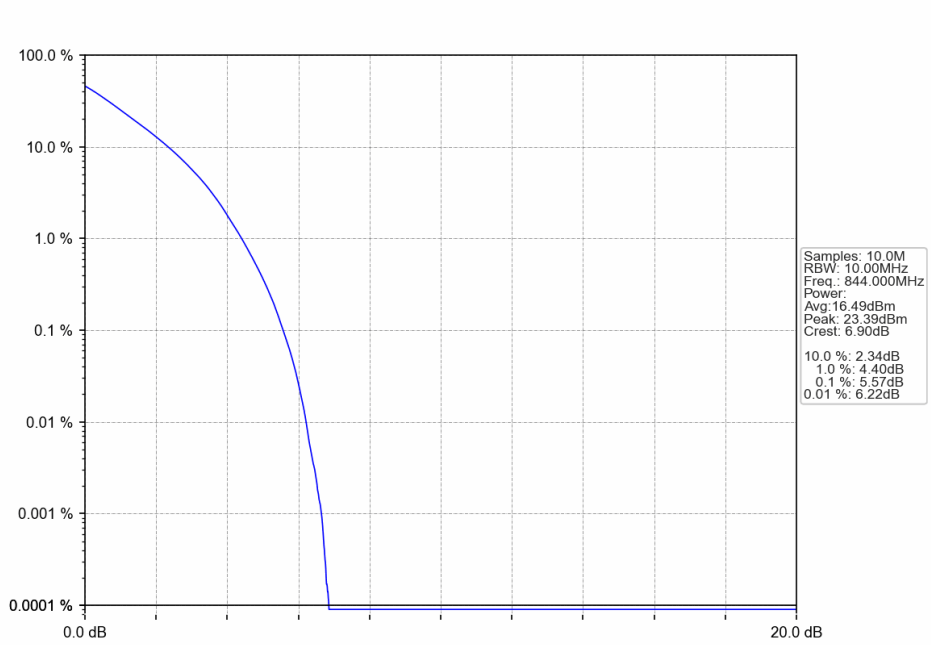
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



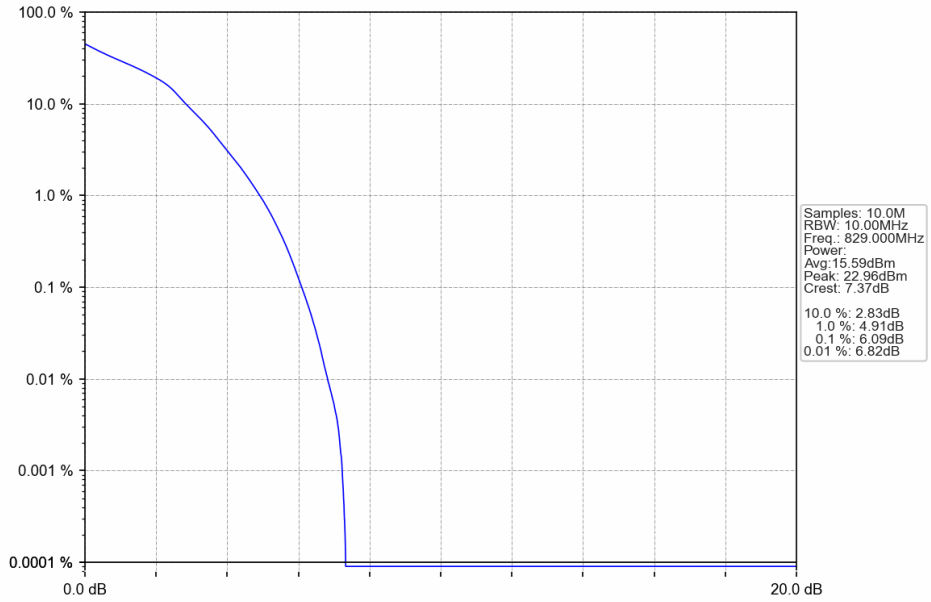
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



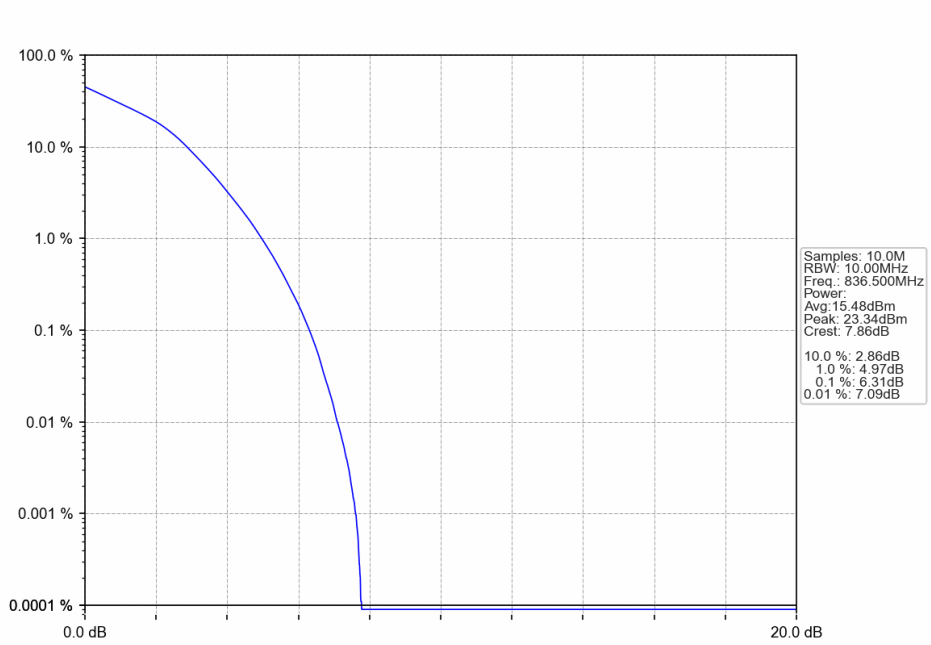
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



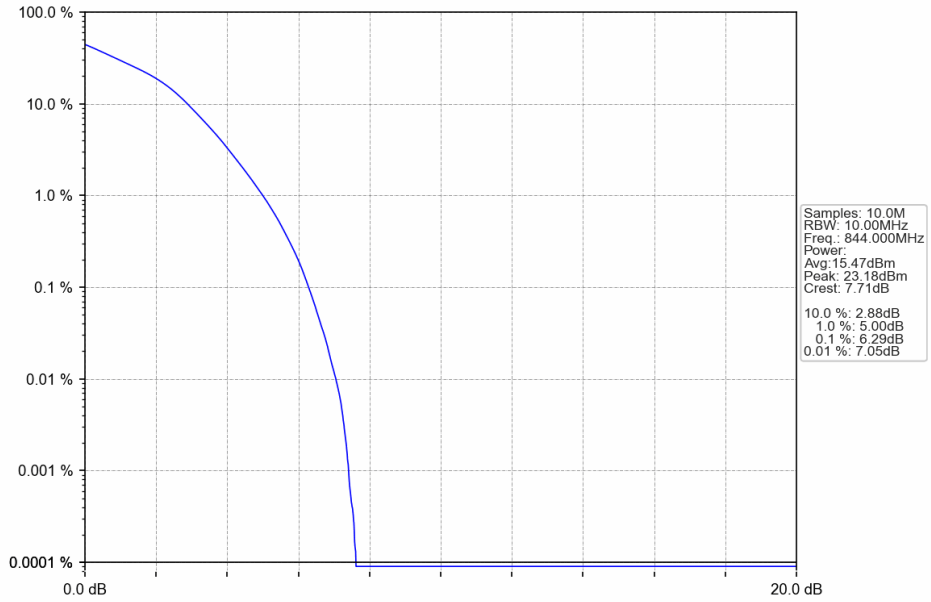
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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

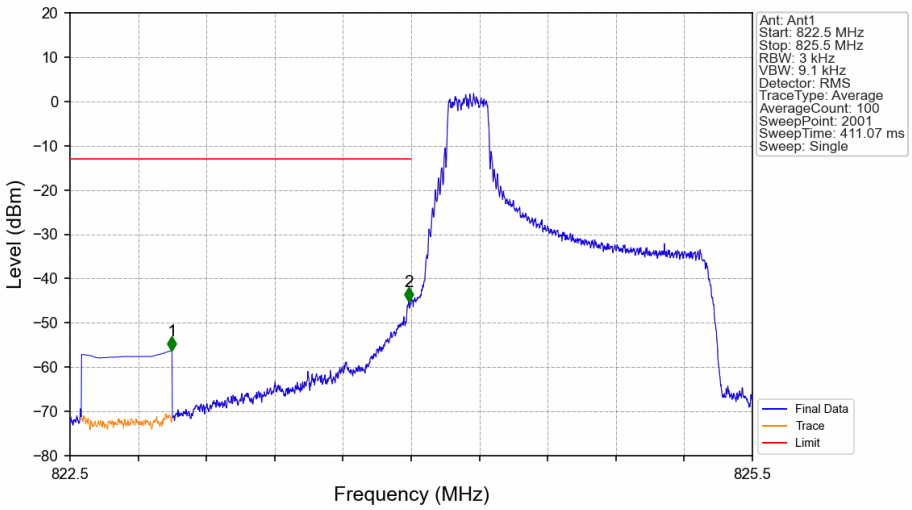
6.1.4 B5_10MHz

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

6.2 Test Graph

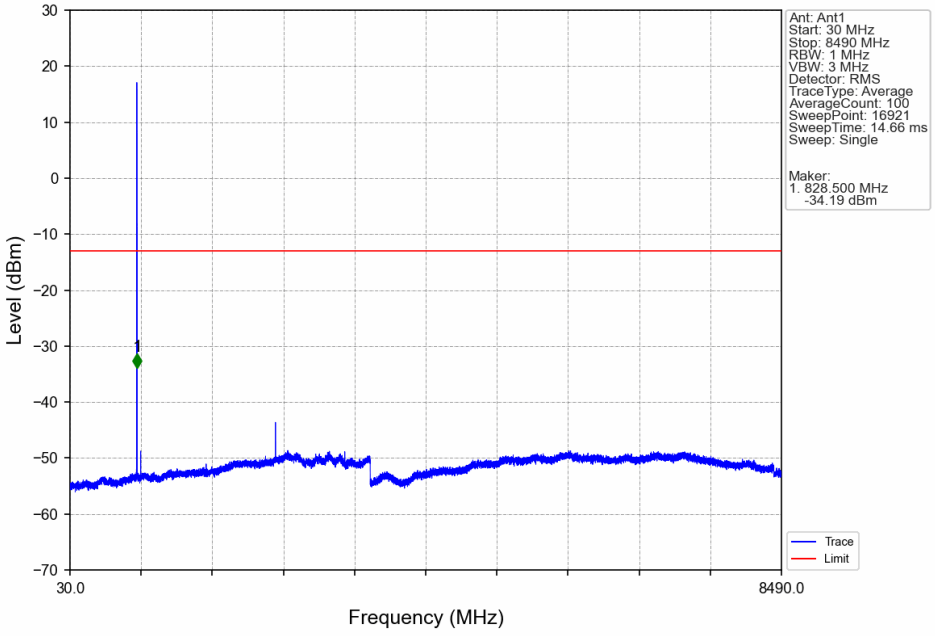
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

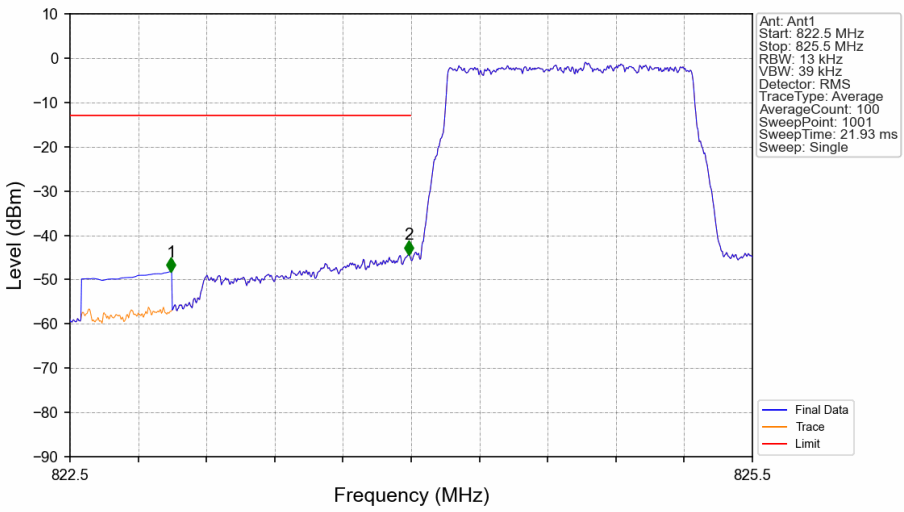


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.948	-56.21	-13	Pass
823	824	0.003	/	2	823.990	-45.09	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

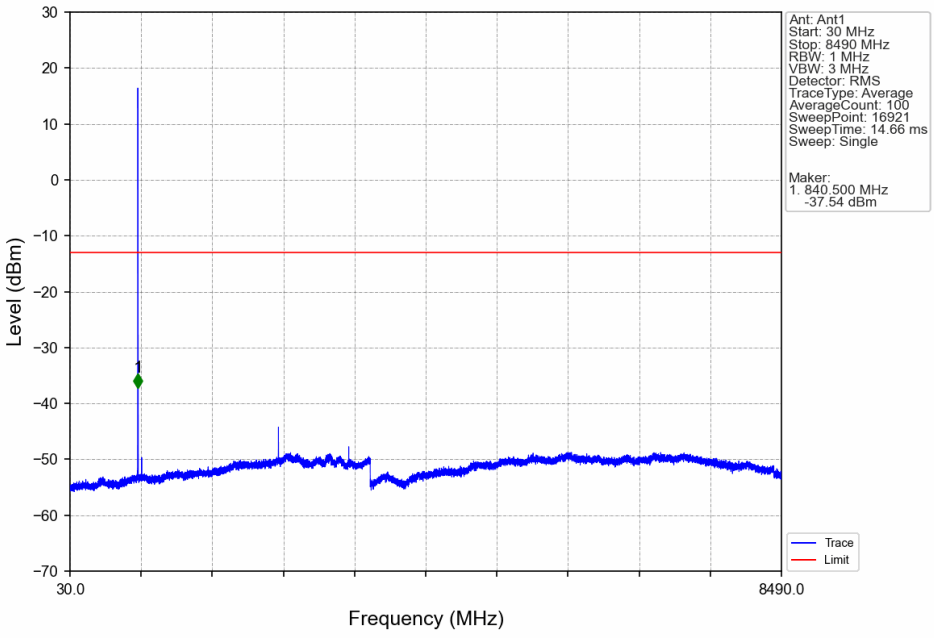


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

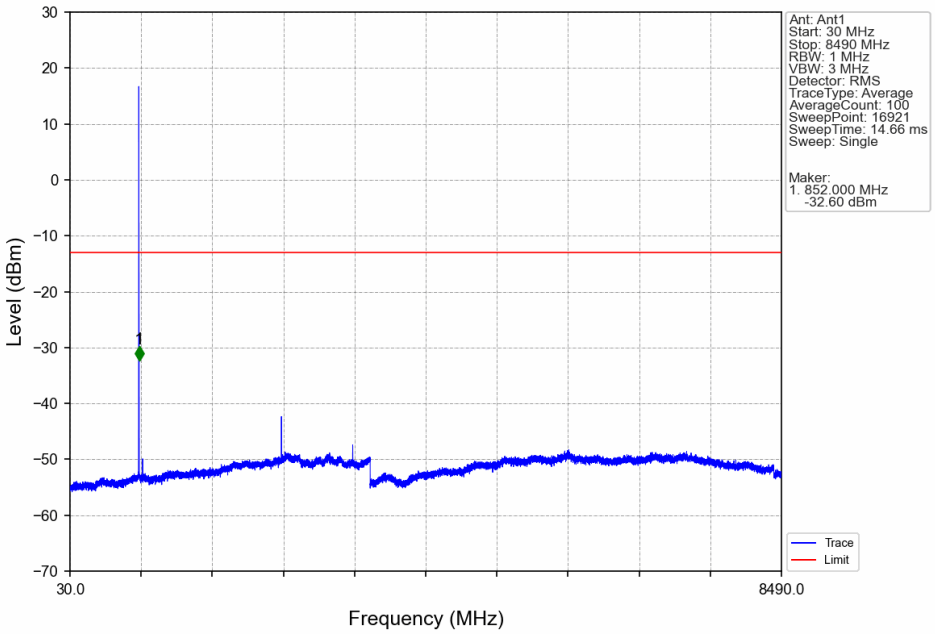


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.944	-48.19	-13	Pass
823	824	0.013	/	2	823.991	-44.31	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

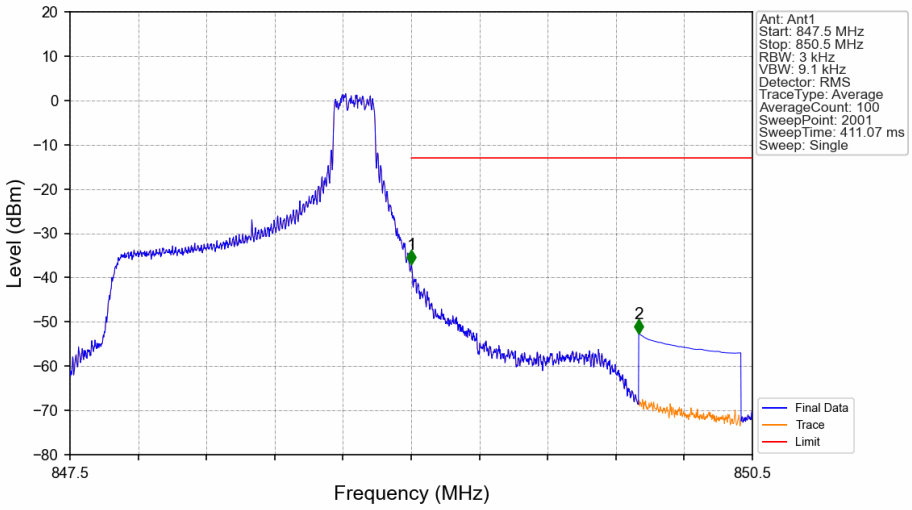
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

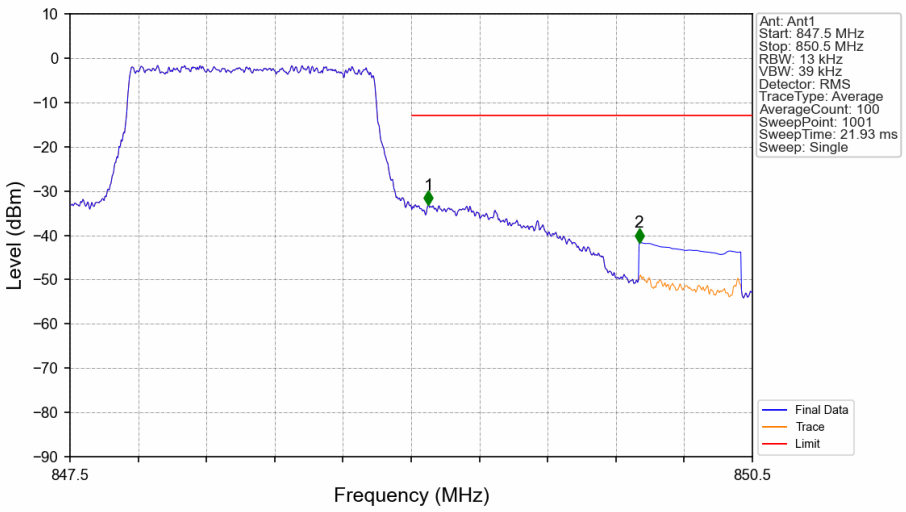


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



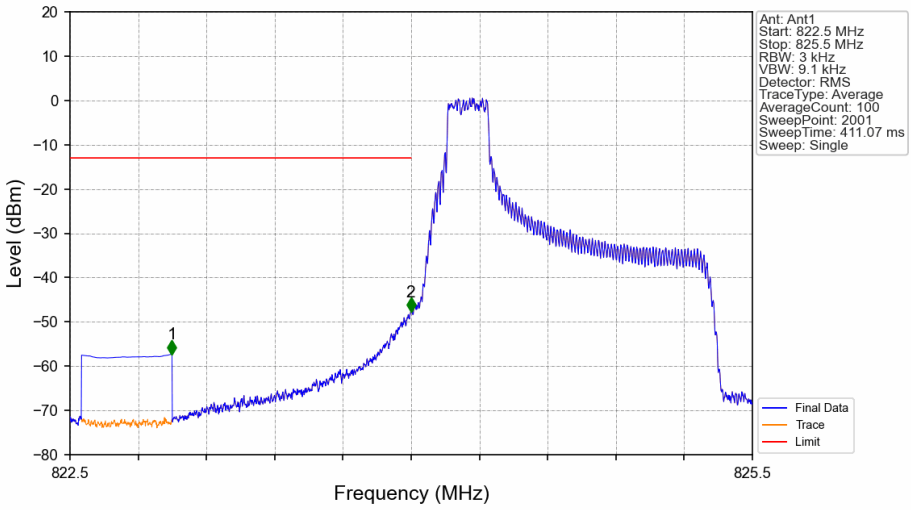
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-36.94	-13	Pass
850	850.5	0.1	CHP	2	850.000	-52.66	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



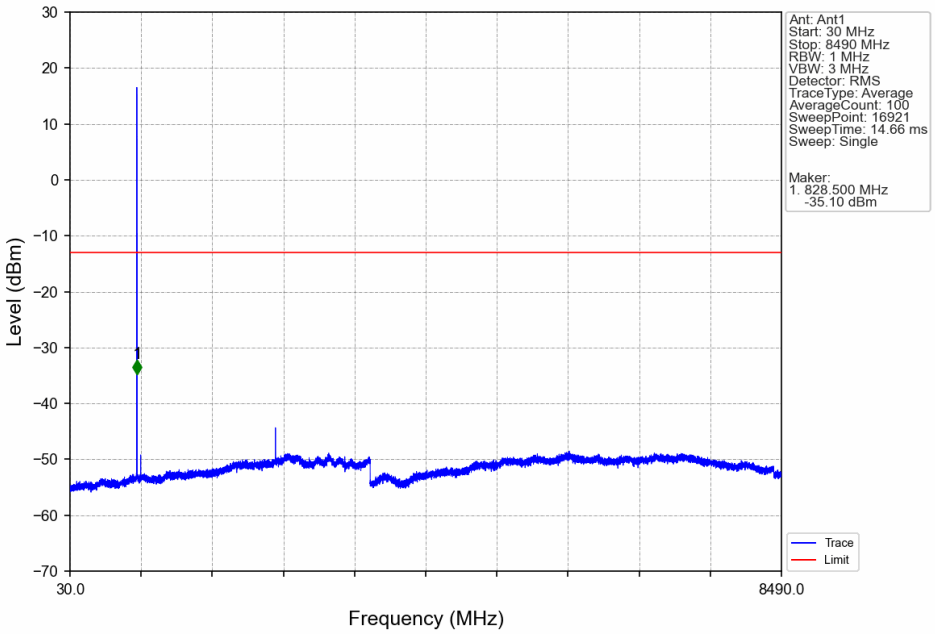
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.075	-33.05	-13	Pass
850	850.5	0.1	CHP	2	850.002	-41.58	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

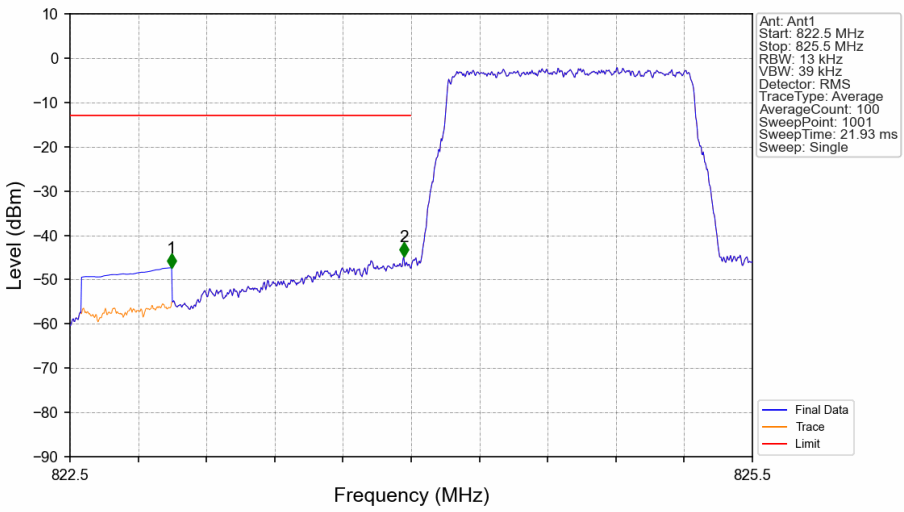


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.948	-57.27	-13	Pass
823	824	0.003	/	2	823.999	-47.66	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

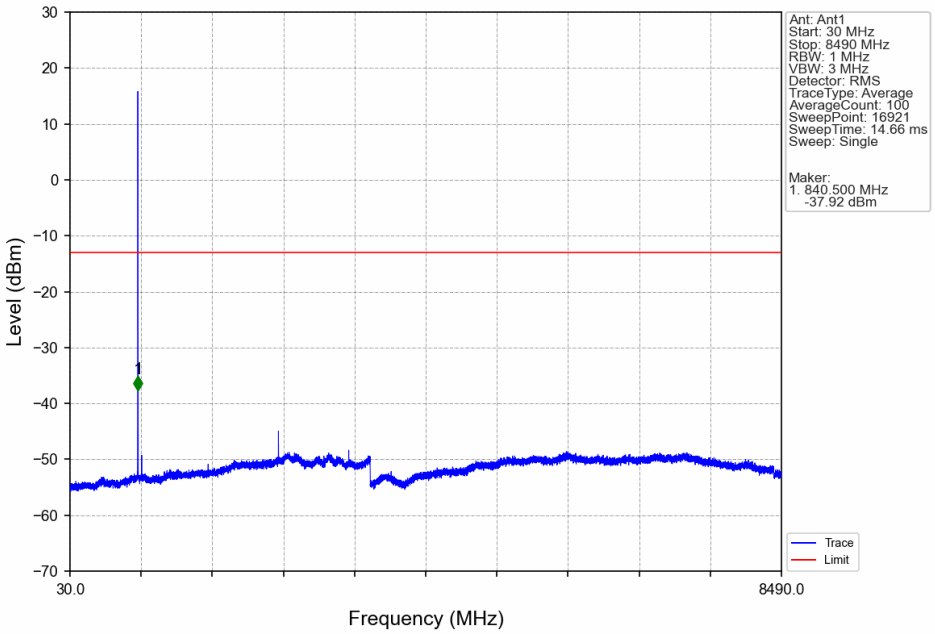


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

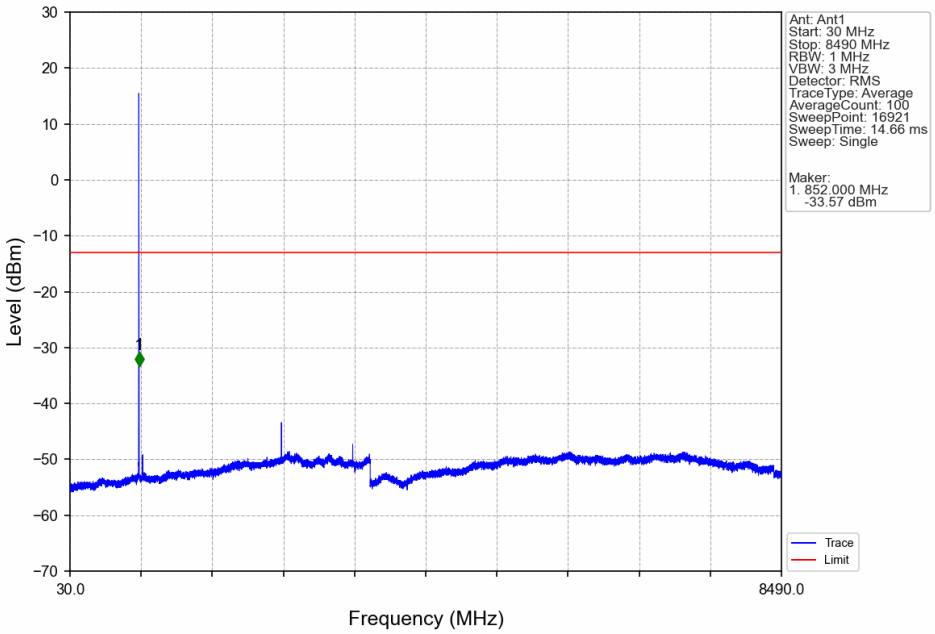


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-47.33	-13	Pass
823	824	0.013	/	2	823.967	-44.82	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

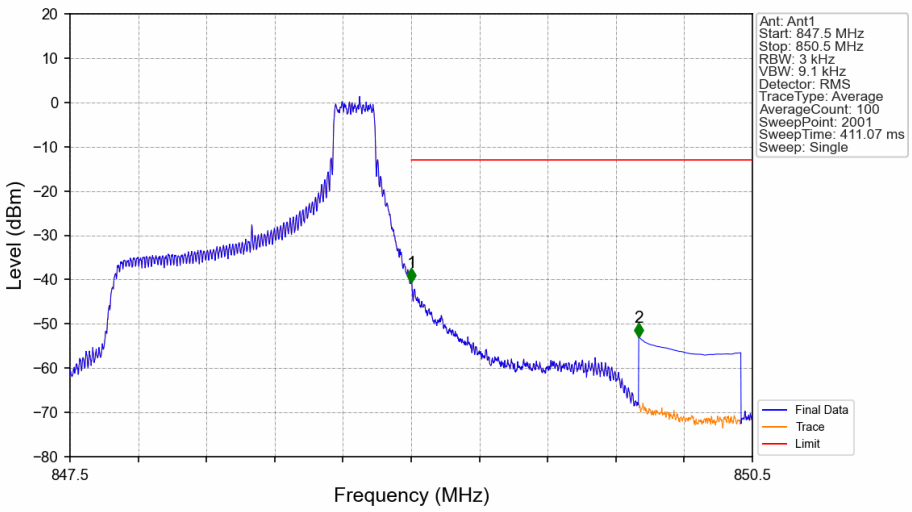
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV

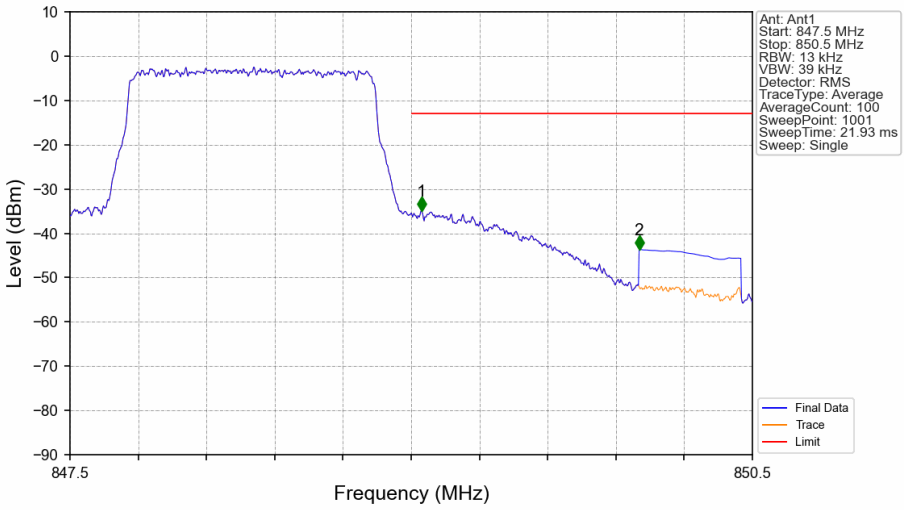


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-40.65	-13	Pass
850	850.5	0.1	CHP	2	850.000	-52.92	-13	Pass

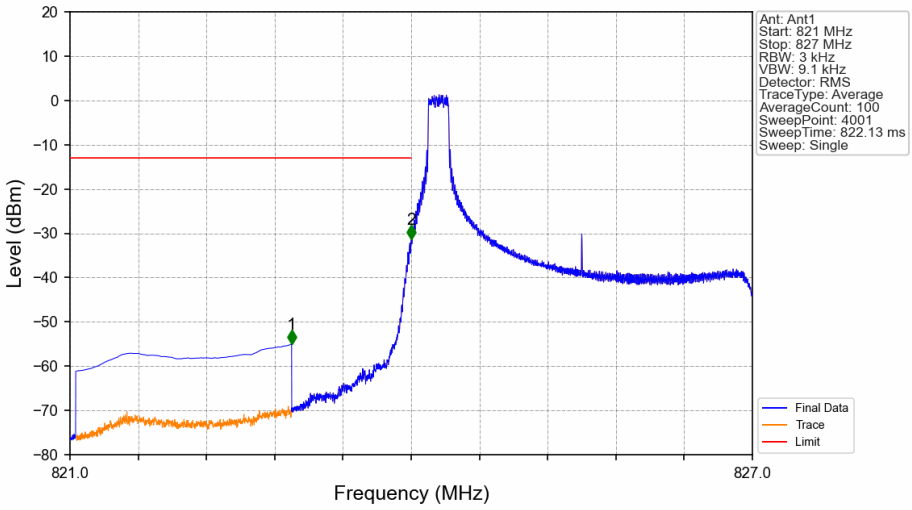
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.045	-34.90	-13	Pass
850	850.5	0.1	CHP	2	850.002	-43.60	-13	Pass

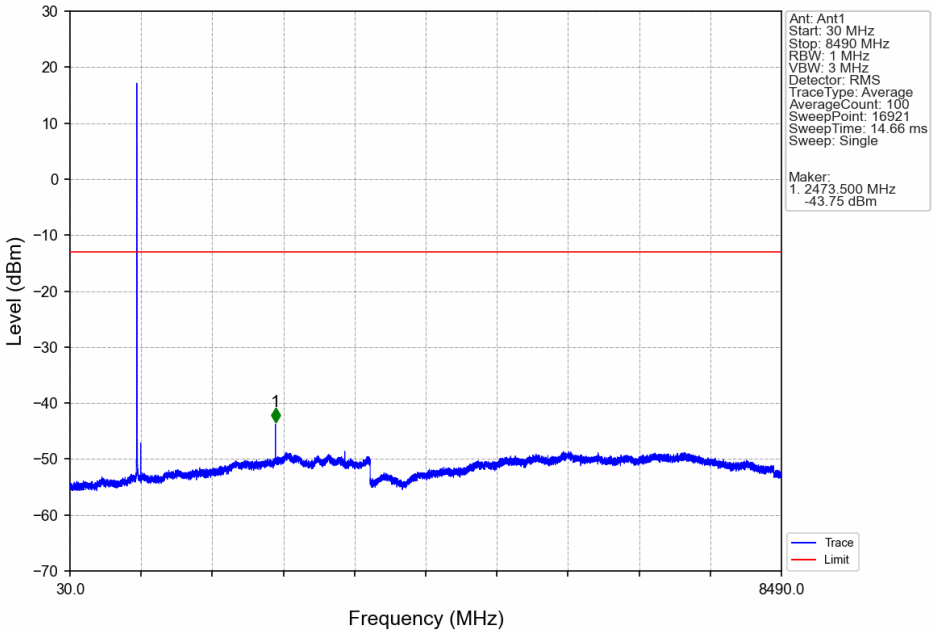
6.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

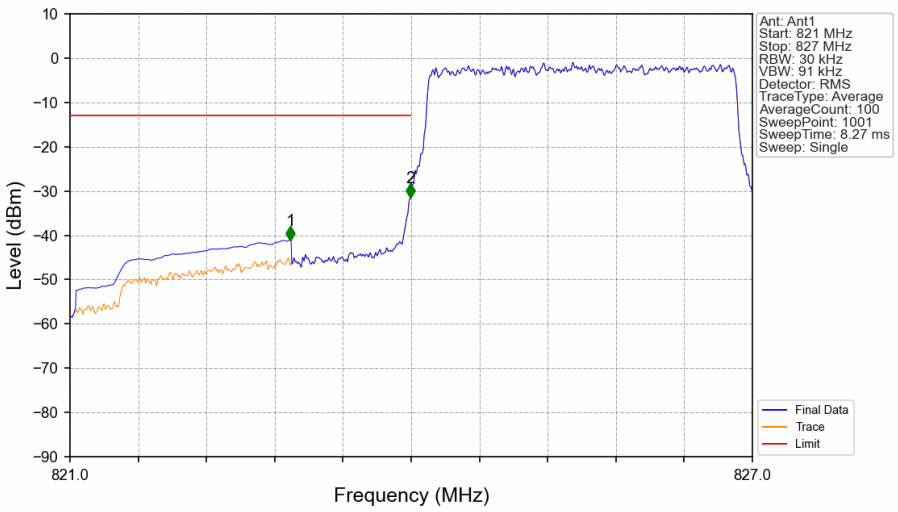


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-55.02	-13	Pass
823	824	0.003	/	2	823.999	-31.30	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

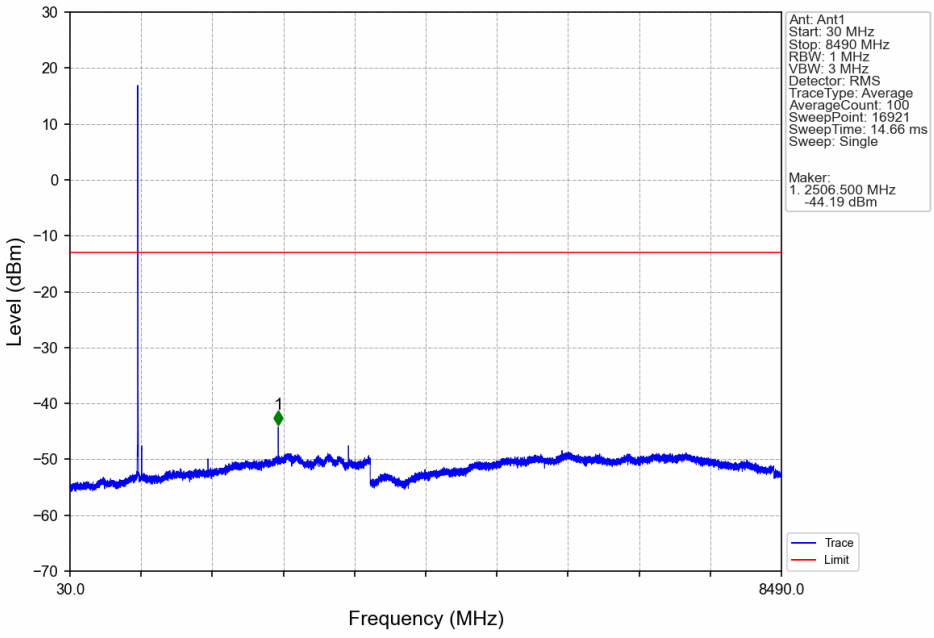


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

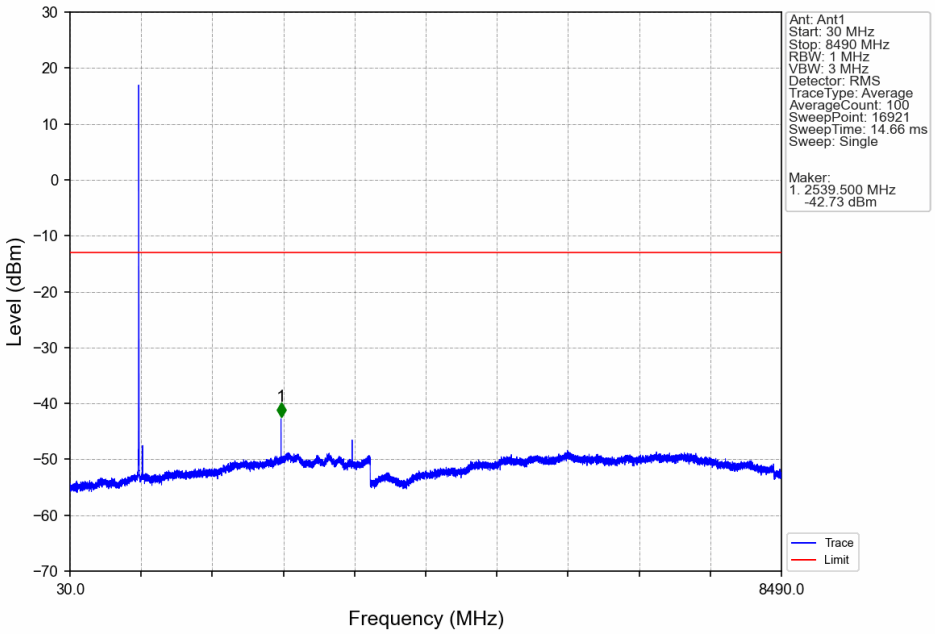


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.938	-41.12	-13	Pass
823	824	0.03	/	2	823.994	-31.50	-13	Pass
824	827	0.03	/	/	/	/	/	/

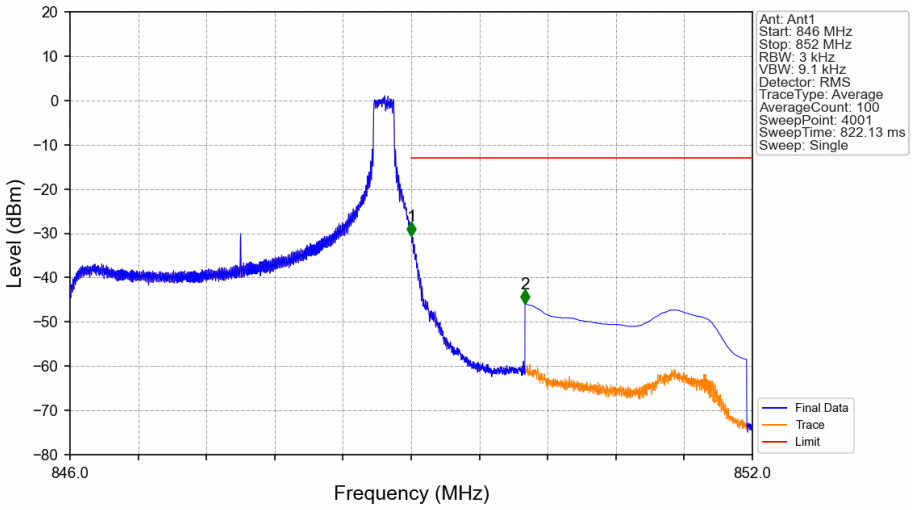
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

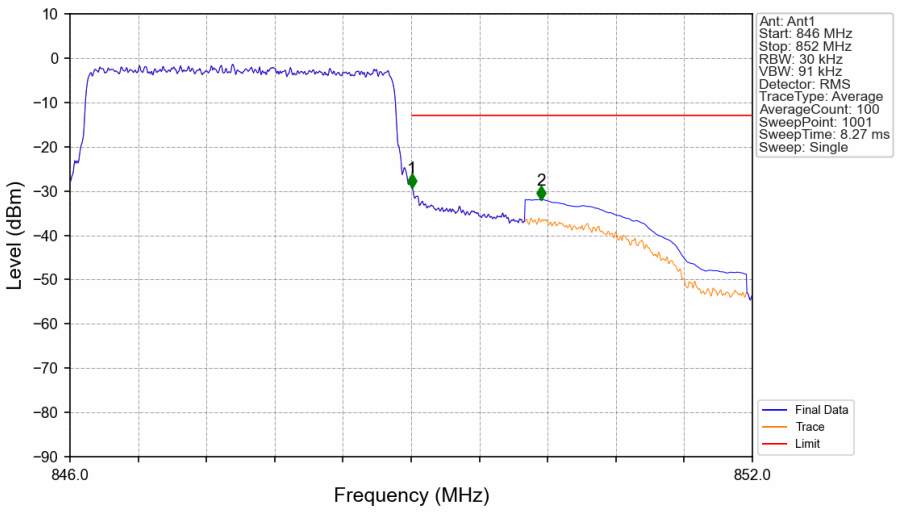


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



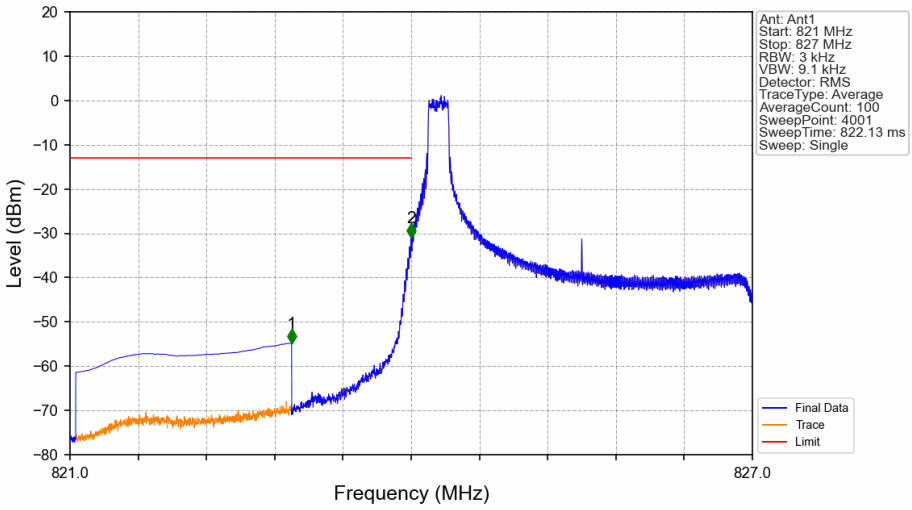
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.51	-13	Pass
850	852	0.1	CHP	2	850.000	-45.93	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



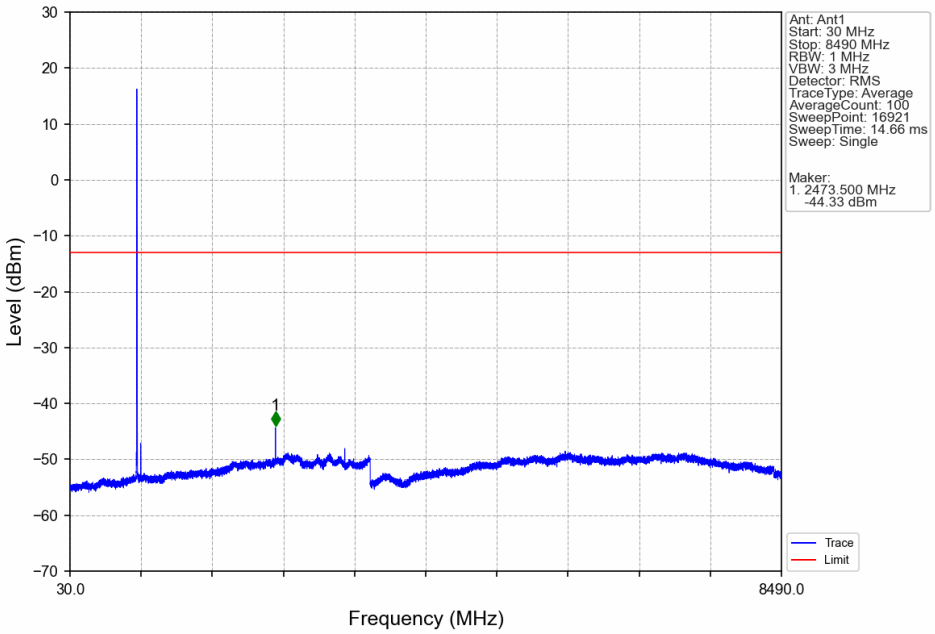
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-29.29	-13	Pass
850	852	0.1	CHP	2	850.140	-31.94	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

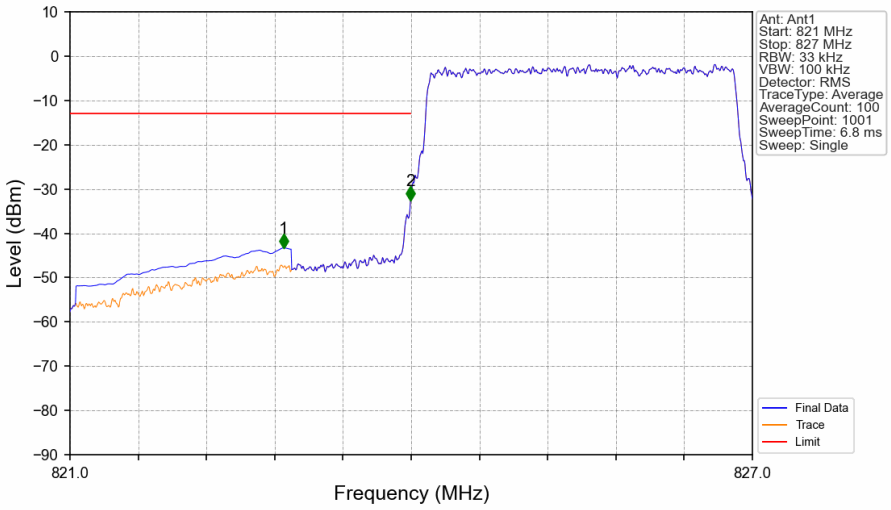


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-54.76	-13	Pass
823	824	0.003	/	2	823.999	-30.98	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

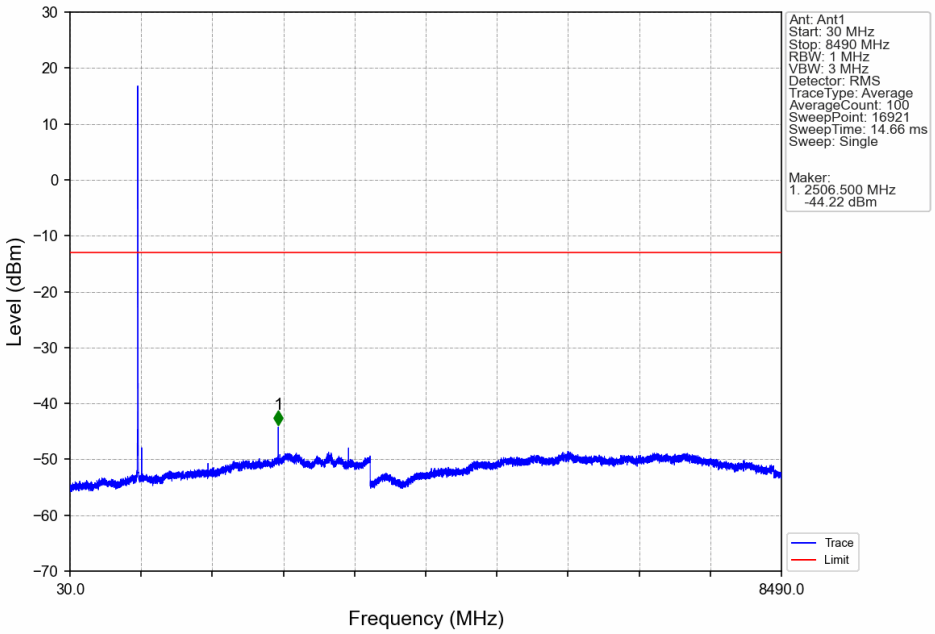


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

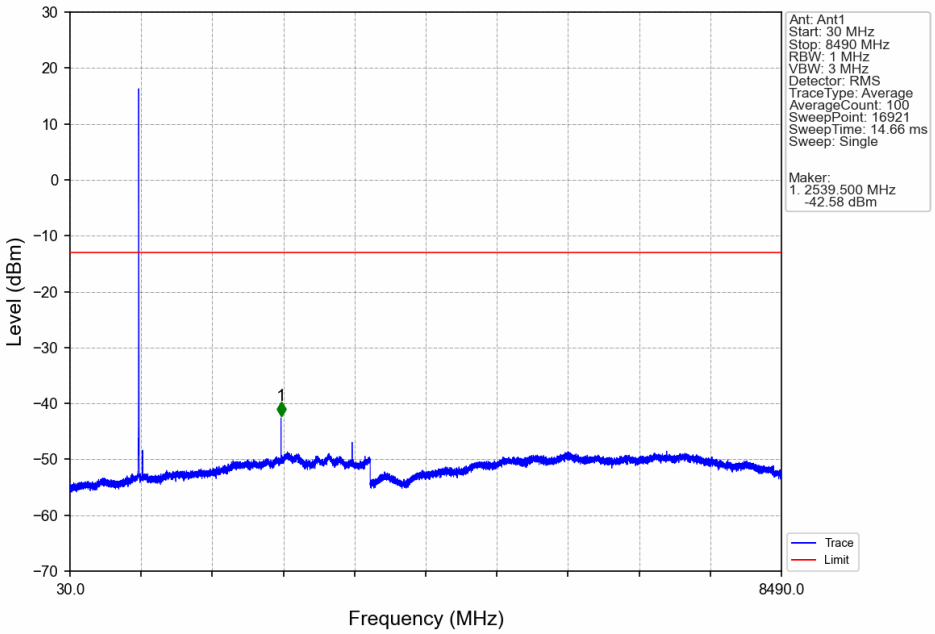


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.878	-43.27	-13	Pass
823	824	0.033	/	2	823.994	-32.57	-13	Pass
824	827	0.033	/	/	/	/	/	/

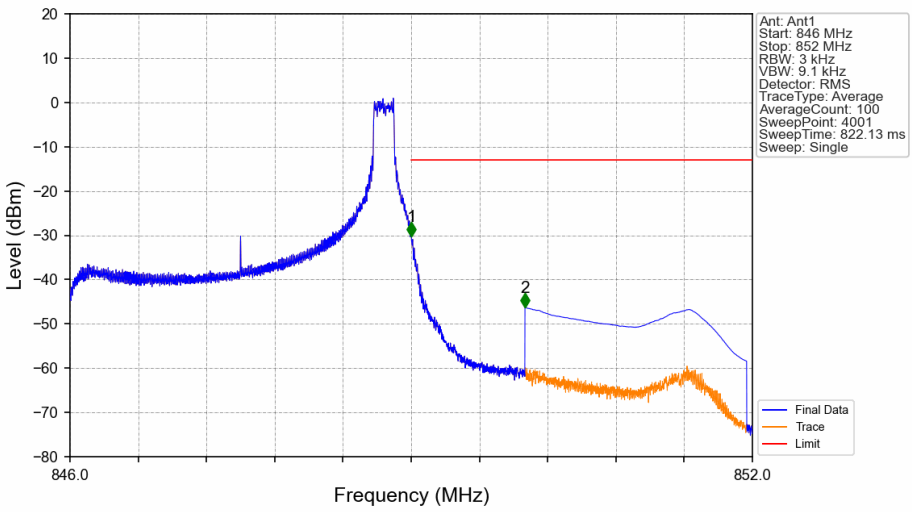
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV

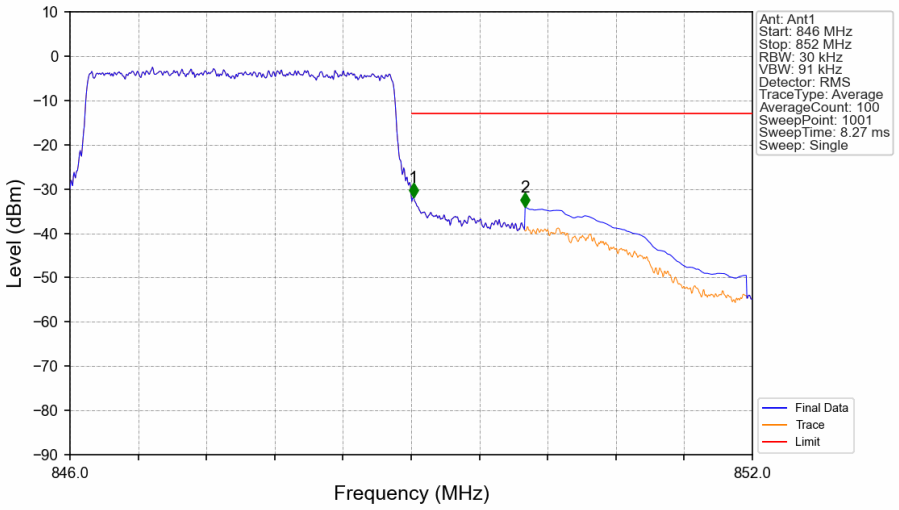


Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.14	-13	Pass
850	852	0.1	CHP	2	850.002	-46.27	-13	Pass

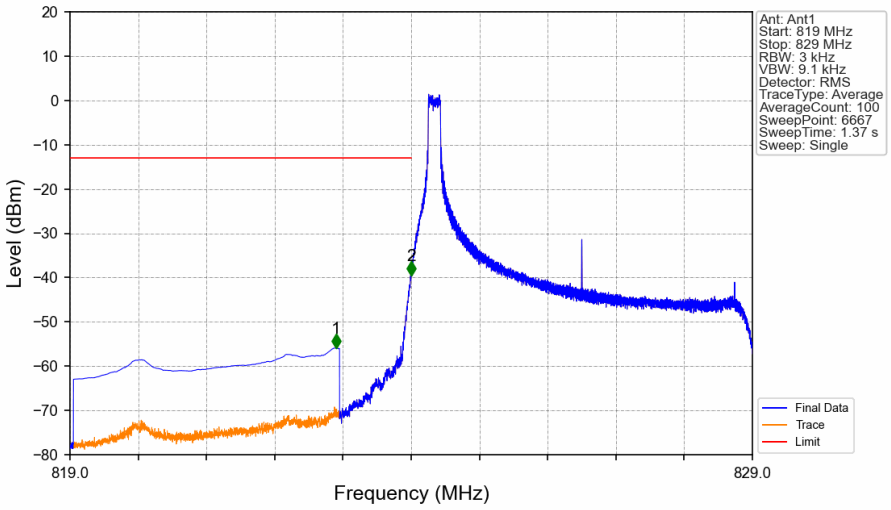
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.018	-31.89	-13	Pass
850	852	0.1	CHP	2	850.002	-34.09	-13	Pass

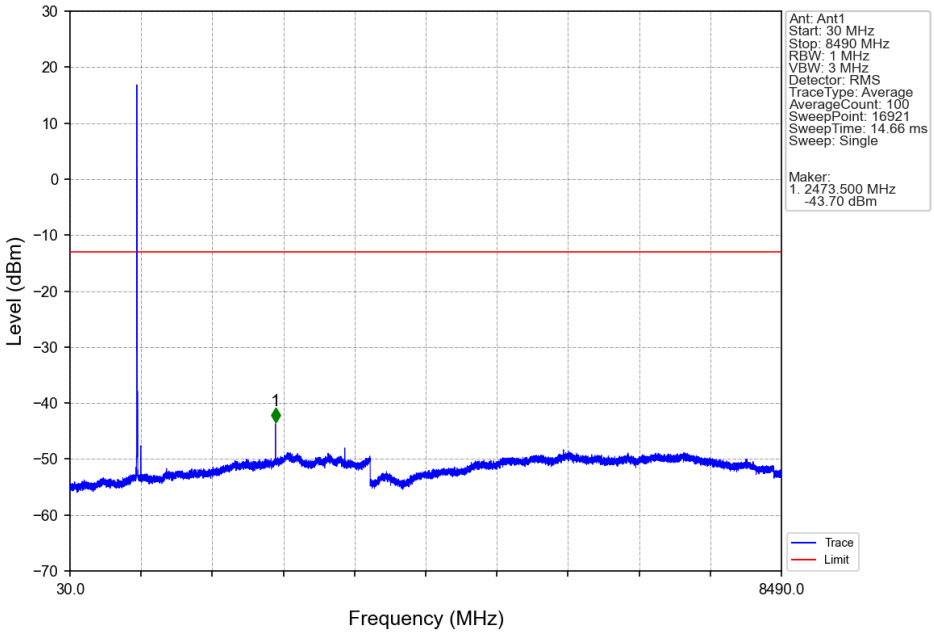
6.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

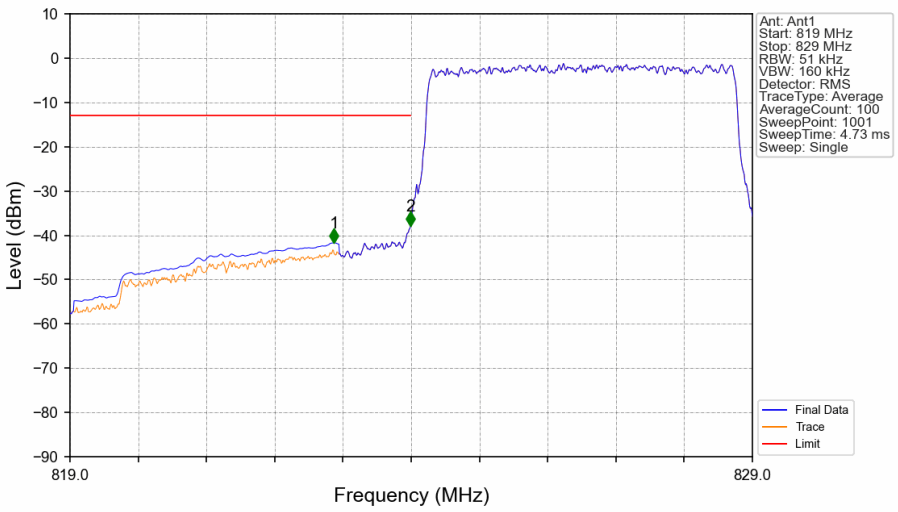


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.897	-55.91	-13	Pass
823	824	0.003	/	2	823.999	-39.49	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

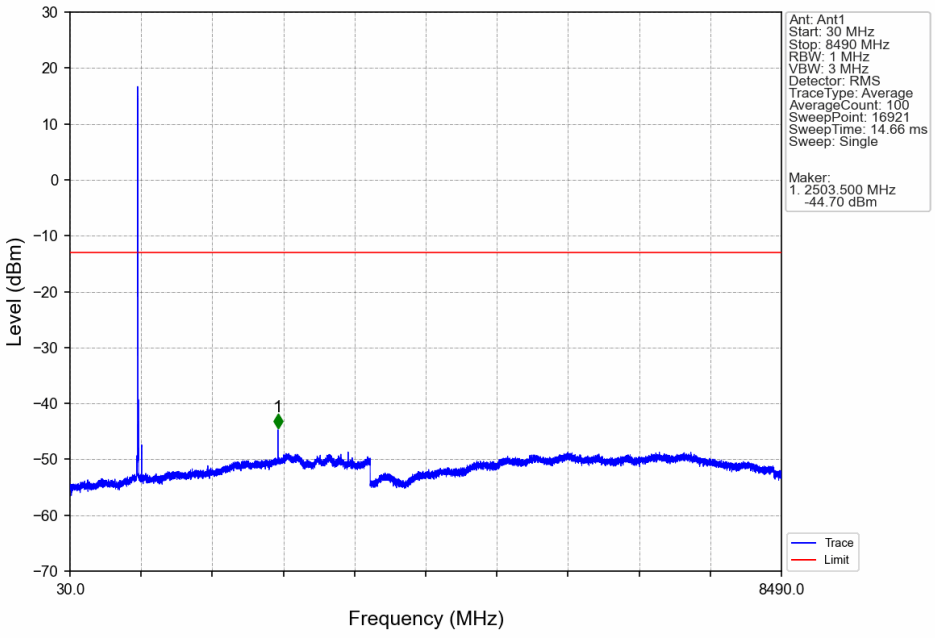


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

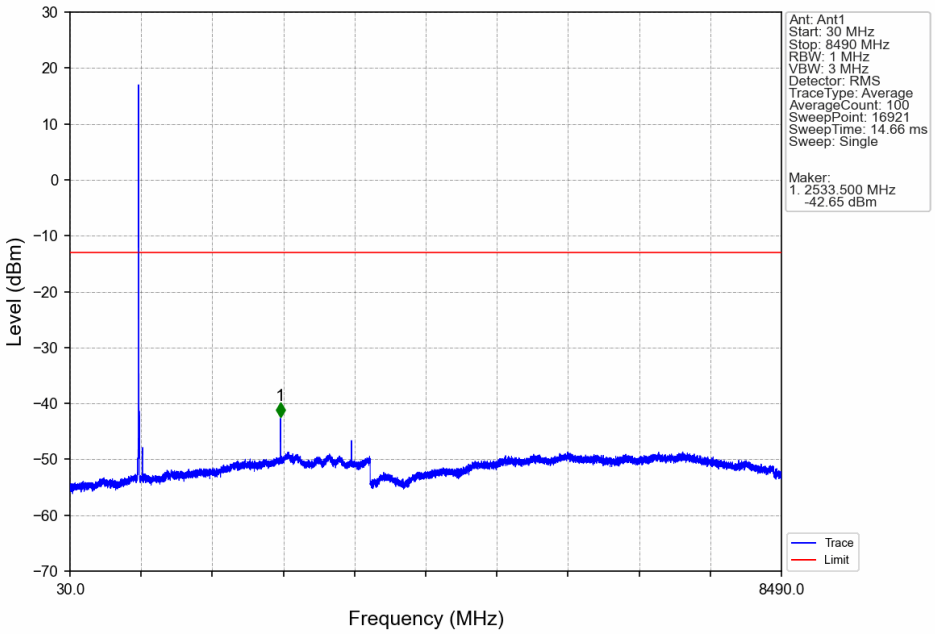


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.870	-41.68	-13	Pass
823	824	0.051	/	2	823.990	-37.92	-13	Pass
824	829	0.051	/	/	/	/	/	/

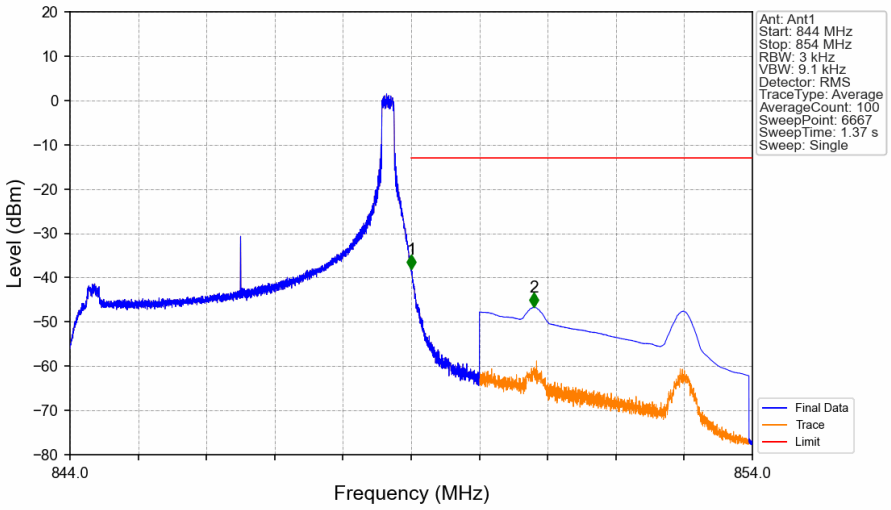
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

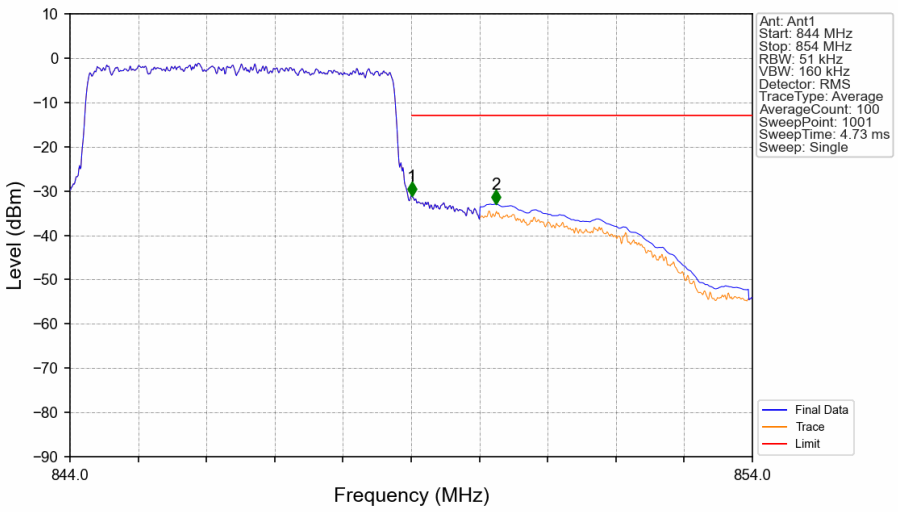


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



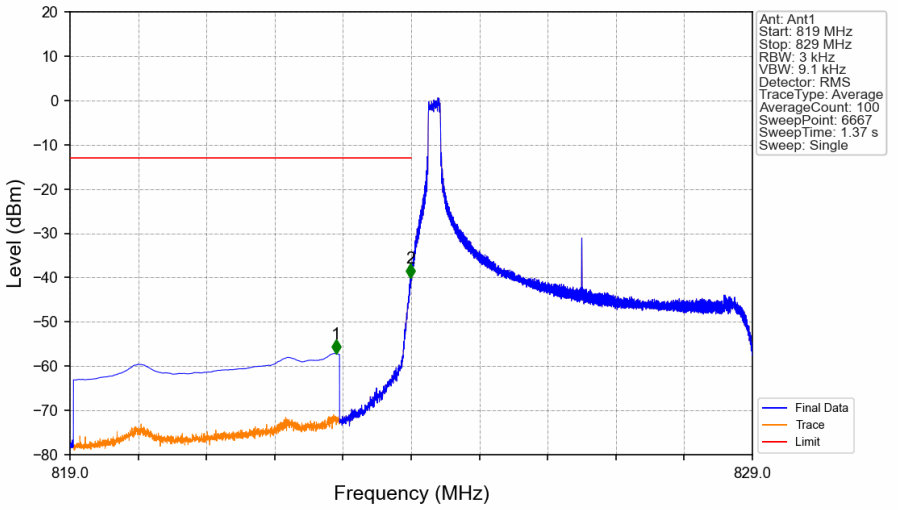
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-38.11	-13	Pass
850	854	0.1	CHP	2	850.802	-46.64	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



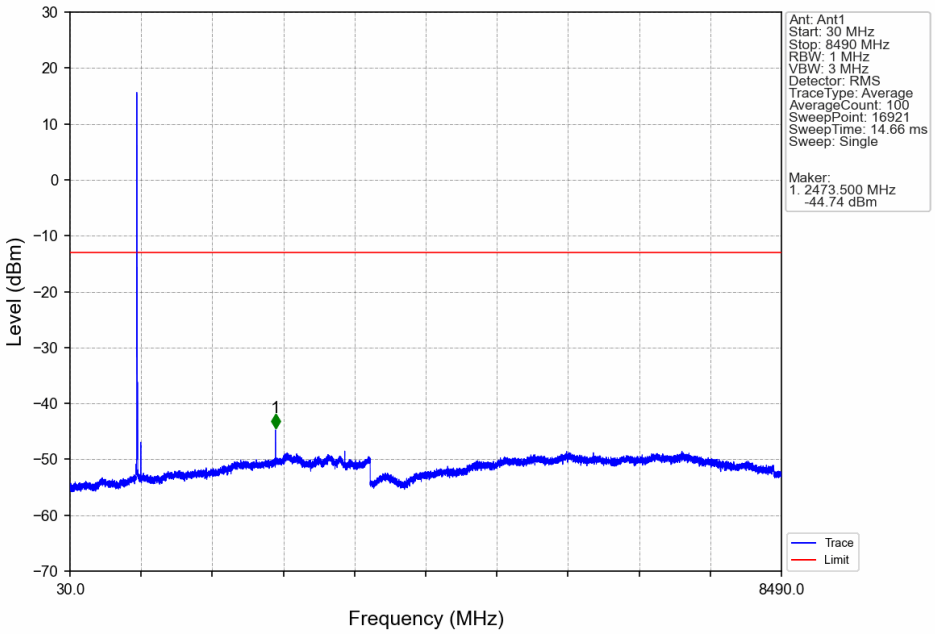
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-31.19	-13	Pass
850	854	0.1	CHP	2	850.240	-32.92	-13	Pass

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

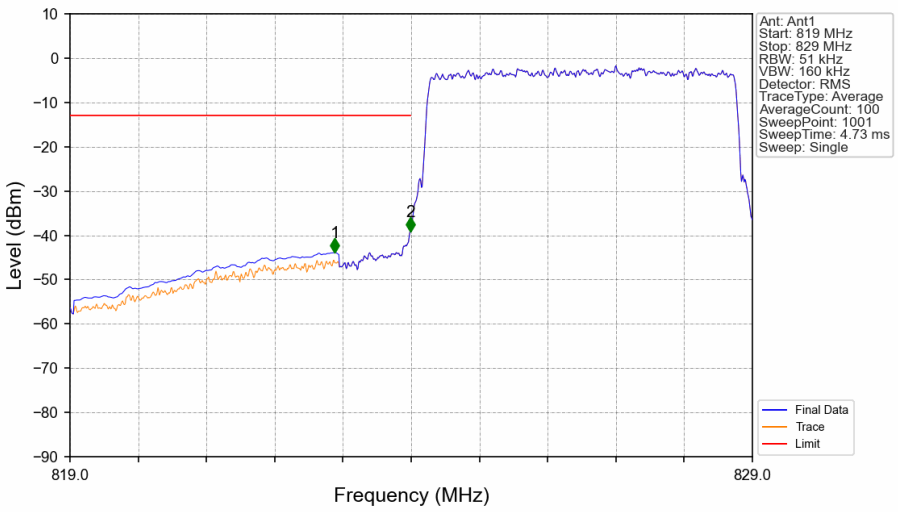


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.896	-57.14	-13	Pass
823	824	0.003	/	2	823.989	-40.10	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.880	-43.88	-13	Pass
823	824	0.051	/	2	823.990	-39.17	-13	Pass
824	829	0.051	/	/	/	/	/	/