1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	24.08	-1.71	20.22	<=38.45	Pass
			2	24.13	-1.71	20.27	<=38.45	Pass
			5	24.07	-1.71	20.21	<=38.45	Pass
		3	0	24.05	-1.71	20.19	<=38.45	Pass
			2	23.74	-1.71	19.88	<=38.45	Pass
			3	23.63	-1.71	19.77	<=38.45	Pass
		6	0	22.69	-1.71	18.83	<=38.45	Pass
	836.5	1	0	23.53	-1.71	19.67	<=38.45	Pass
			2	23.62	-1.71	19.76	<=38.45	Pass
			5	23.57	-1.71	19.71	<=38.45	Pass
		3	0	23.66	-1.71	19.8	<=38.45	Pass
			2	23.69	-1.71	19.83	<=38.45	Pass
			3	23.66	-1.71	19.8	<=38.45	Pass
		6	0	22.75	-1.71	18.89	<=38.45	Pass
	848.3	1	0	23.46	-1.71	19.6	<=38.45	Pass
			2	23.53	-1.71	19.67	<=38.45	Pass
			5	23.45	-1.71	19.59	<=38.45	Pass
		3	0	23.64	-1.71	19.78	<=38.45	Pass
			2	23.65	-1.71	19.79	<=38.45	Pass
			3	23.62	-1.71	19.76	<=38.45	Pass
		6	0	22.74	-1.71	18.88	<=38.45	Pass
16QAM	824.7	1	0	22.51	-1.71	18.65	<=38.45	Pass
			2	22.55	-1.71	18.69	<=38.45	Pass
			5	22.51	-1.71	18.65	<=38.45	Pass
		3	0	22.63	-1.71	18.77	<=38.45	Pass
			2	22.64	-1.71	18.78	<=38.45	Pass
			3	22.62	-1.71	18.76	<=38.45	Pass
		6	0	21.66	-1.71	17.8	<=38.45	Pass
	836.5	1	0	22.67	-1.71	18.81	<=38.45	Pass
			2	22.77	-1.71	18.91	<=38.45	Pass
			5	22.70	-1.71	18.84	<=38.45	Pass
		3	0	22.62	-1.71	18.76	<=38.45	Pass
			2	22.68	-1.71	18.82	<=38.45	Pass
			3	22.65	-1.71	18.79	<=38.45	Pass
		6	0	21.78	-1.71	17.92	<=38.45	Pass
	848.3	1	0	22.54	-1.71	18.68	<=38.45	Pass
			2	22.55	-1.71	18.69	<=38.45	Pass
			5	22.47	-1.71	18.61	<=38.45	Pass
		3	0	22.77	-1.71	18.91	<=38.45	Pass
			2	22.81	-1.71	18.95	<=38.45	Pass
			3	22.82	-1.71	18.96	<=38.45	Pass
		6	0	21.70	-1.71	17.84	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.46	-1.71	19.6	<=38.45	Pass
			7	23.48	-1.71	19.62	<=38.45	Pass
			14	23.42	-1.71	19.56	<=38.45	Pass
		8	0	22.57	-1.71	18.71	<=38.45	Pass
			4	22.64	-1.71	18.78	<=38.45	Pass
			7	22.54	-1.71	18.68	<=38.45	Pass
		15	0	22.58	-1.71	18.72	<=38.45	Pass
	836.5	1	0	23.44	-1.71	19.58	<=38.45	Pass
			7	23.59	-1.71	19.73	<=38.45	Pass
			14	23.43	-1.71	19.57	<=38.45	Pass
		8	0	22.63	-1.71	18.77	<=38.45	Pass
			4	22.67	-1.71	18.81	<=38.45	Pass
			7	22.63	-1.71	18.77	<=38.45	Pass
		15	0	22.60	-1.71	18.74	<=38.45	Pass
	847.5	1	0	23.40	-1.71	19.54	<=38.45	Pass
			7	23.54	-1.71	19.68	<=38.45	Pass
			14	23.38	-1.71	19.52	<=38.45	Pass
		8	0	22.69	-1.71	18.83	<=38.45	Pass
			4	22.66	-1.71	18.8	<=38.45	Pass
			7	22.63	-1.71	18.77	<=38.45	Pass
		15	0	22.60	-1.71	18.74	<=38.45	Pass
16QAM	825.5	1	0	22.89	-1.71	19.03	<=38.45	Pass
			7	22.97	-1.71	19.11	<=38.45	Pass
			14	22.81	-1.71	18.95	<=38.45	Pass
		8	0	21.72	-1.71	17.86	<=38.45	Pass
			4	21.76	-1.71	17.9	<=38.45	Pass
			7	21.71	-1.71	17.85	<=38.45	Pass
		15	0	21.58	-1.71	17.72	<=38.45	Pass
	836.5	1	0	22.39	-1.71	18.53	<=38.45	Pass
			7	22.59	-1.71	18.73	<=38.45	Pass
			14	22.46	-1.71	18.6	<=38.45	Pass
		8	0	21.69	-1.71	17.83	<=38.45	Pass
			4	21.74	-1.71	17.88	<=38.45	Pass
			7	21.68	-1.71	17.82	<=38.45	Pass
		15	0	21.65	-1.71	17.79	<=38.45	Pass
	847.5	1	0	22.55	-1.71	18.69	<=38.45	Pass
			7	22.68	-1.71	18.82	<=38.45	Pass
			14	22.55	-1.71	18.69	<=38.45	Pass
		8	0	21.60	-1.71	17.74	<=38.45	Pass
			4	21.65	-1.71	17.79	<=38.45	Pass
			7	21.59	-1.71	17.73	<=38.45	Pass
		15	0	21.57	-1.71	17.71	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	ERP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	826.5	1	0	23.62	-1.71	19.76	<=38.45	Pass
			13	23.73	-1.71	19.87	<=38.45	Pass
			24	23.56	-1.71	19.7	<=38.45	Pass
		12	0	22.64	-1.71	18.78	<=38.45	Pass
			6	22.65	-1.71	18.79	<=38.45	Pass
			13	22.58	-1.71	18.72	<=38.45	Pass
		25	0	22.58	-1.71	18.72	<=38.45	Pass
	836.5	1	0	23.65	-1.71	19.79	<=38.45	Pass
			13	23.78	-1.71	19.92	<=38.45	Pass
			24	23.73	-1.71	19.87	<=38.45	Pass
		12	0	22.57	-1.71	18.71	<=38.45	Pass
			6	22.69	-1.71	18.83	<=38.45	Pass
			13	22.72	-1.71	18.86	<=38.45	Pass
		25	0	22.67	-1.71	18.81	<=38.45	Pass
	846.5	1	0	23.62	-1.71	19.76	<=38.45	Pass
			13	23.80	-1.71	19.94	<=38.45	Pass
			24	23.66	-1.71	19.8	<=38.45	Pass
		12	0	22.68	-1.71	18.82	<=38.45	Pass
			6	22.73	-1.71	18.87	<=38.45	Pass
			13	22.72	-1.71	18.86	<=38.45	Pass
		25	0	22.72	-1.71	18.86	<=38.45	Pass
16QAM	826.5	1	0	22.66	-1.71	18.8	<=38.45	Pass
			13	22.78	-1.71	18.92	<=38.45	Pass
			24	22.65	-1.71	18.79	<=38.45	Pass
		12	0	21.60	-1.71	17.74	<=38.45	Pass
			6	21.63	-1.71	17.77	<=38.45	Pass
			13	21.57	-1.71	17.71	<=38.45	Pass
		25	0	21.63	-1.71	17.77	<=38.45	Pass
	836.5	1	0	22.91	-1.71	19.05	<=38.45	Pass
			13	23.05	-1.71	19.19	<=38.45	Pass
			24	22.93	-1.71	19.07	<=38.45	Pass
		12	0	21.58	-1.71	17.72	<=38.45	Pass
			6	21.74	-1.71	17.88	<=38.45	Pass
			13	21.72	-1.71	17.86	<=38.45	Pass
		25	0	21.71	-1.71	17.85	<=38.45	Pass
	846.5	1	0	22.49	-1.71	18.63	<=38.45	Pass
			13	22.62	-1.71	18.76	<=38.45	Pass
			24	22.57	-1.71	18.71	<=38.45	Pass
		12	0	21.62	-1.71	17.76	<=38.45	Pass
			6	21.73	-1.71	17.87	<=38.45	Pass
			13	21.71	-1.71	17.85	<=38.45	Pass
		25	0	21.77	-1.71	17.91	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.65	-1.71	19.79	<=38.45	Pass
			25	23.67	-1.71	19.81	<=38.45	Pass
			49	23.71	-1.71	19.85	<=38.45	Pass
		25	0	22.62	-1.71	18.76	<=38.45	Pass

			13	22.67	-1.71	18.81	<=38.45	Pass
			25	22.65	-1.71	18.79	<=38.45	Pass
		50	0	22.69	-1.71	18.83	<=38.45	Pass
	836.5	1	0	23.68	-1.71	19.82	<=38.45	Pass
			25	23.74	-1.71	19.88	<=38.45	Pass
			49	23.75	-1.71	19.89	<=38.45	Pass
		25	0	22.59	-1.71	18.73	<=38.45	Pass
			13	22.78	-1.71	18.92	<=38.45	Pass
			25	22.72	-1.71	18.86	<=38.45	Pass
		50	0	22.69	-1.71	18.83	<=38.45	Pass
	844	1	0	23.69	-1.71	19.83	<=38.45	Pass
			25	23.82	-1.71	19.96	<=38.45	Pass
			49	23.73	-1.71	19.87	<=38.45	Pass
		25	0	22.83	-1.71	18.97	<=38.45	Pass
			13	22.75	-1.71	18.89	<=38.45	Pass
			25	22.71	-1.71	18.85	<=38.45	Pass
		50	0	22.82	-1.71	18.96	<=38.45	Pass
16QAM	829	1	0	22.81	-1.71	18.95	<=38.45	Pass
			25	22.84	-1.71	18.98	<=38.45	Pass
			49	22.87	-1.71	19.01	<=38.45	Pass
		25	0	21.68	-1.71	17.82	<=38.45	Pass
			13	21.69	-1.71	17.83	<=38.45	Pass
			25	21.69	-1.71	17.83	<=38.45	Pass
		50	0	21.62	-1.71	17.76	<=38.45	Pass
	836.5	1	0	23.23	-1.71	19.37	<=38.45	Pass
			25	23.35	-1.71	19.49	<=38.45	Pass
			49	23.22	-1.71	19.36	<=38.45	Pass
		25	0	21.63	-1.71	17.77	<=38.45	Pass
			13	21.90	-1.71	18.04	<=38.45	Pass
			25	21.84	-1.71	17.98	<=38.45	Pass
		50	0	21.68	-1.71	17.82	<=38.45	Pass
	844	1	0	22.73	-1.71	18.87	<=38.45	Pass
			25	22.80	-1.71	18.94	<=38.45	Pass
			49	22.70	-1.71	18.84	<=38.45	Pass
		25	0	21.88	-1.71	18.02	<=38.45	Pass
			13	21.83	-1.71	17.97	<=38.45	Pass
			25	21.81	-1.71	17.95	<=38.45	Pass
		50	0	21.82	-1.71	17.96	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	0.901	0.0011	-2.5 to 2.5	Pass
					3.85	0.429	0.0005	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.490	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass

				0	3.85	3.304	0.0040	-2.5 to 2.5	Pass
				10	3.85	1.688	0.0020	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0052	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-7.124	-0.0085	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.610	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-6.437	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-5.722	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-7.153	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-6.666	-0.0079	-2.5 to 2.5	Pass
					3.85	5.336	0.0063	-2.5 to 2.5	Pass
					4.43	-3.834	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
				0	3.85	1.645	0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-9.184	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0045	-2.5 to 2.5	Pass
				50	3.85	0.601	0.0007	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-6.094	-0.0074	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0076	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.250	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-5.822	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0034	-2.5 to 2.5	Pass
				10	3.85	4.807	0.0058	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				40	3.85	6.938	0.0084	-2.5 to 2.5	Pass
				50	3.85	-8.283	-0.0100	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	1.545	0.0018	-2.5 to 2.5	Pass
					3.85	-8.755	-0.0105	-2.5 to 2.5	Pass
					4.43	2.260	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-9.212	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-8.812	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-9.770	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-4.950	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0053	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	3.104	0.0037	-2.5 to 2.5	Pass
					3.85	4.406	0.0052	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-11.830	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-2.203	-0.0026	-2.5 to 2.5	Pass

				40	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0019	-2.5 to 2.5	Pass

2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-8.154	-0.0099	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	6.008	0.0073	-2.5 to 2.5	Pass
				-20	3.85	-2.689	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	3.090	0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-3.791	-0.0046	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	1.945	0.0023	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
					4.43	3.977	0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	3.104	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-11.773	-0.0141	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0005	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-7.710	-0.0091	-2.5 to 2.5	Pass
					3.85	-1.388	-0.0016	-2.5 to 2.5	Pass
					4.43	1.788	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-5.536	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-11.215	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-1.545	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.360	-0.0029	-2.5 to 2.5	Pass
					4.43	1.760	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.221	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-7.982	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.437	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0046	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				50	3.85	-10.486	-0.0127	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.672	-0.0008	-2.5 to 2.5	Pass
					3.85	2.632	0.0031	-2.5 to 2.5	Pass

					4.43	-7.010	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-4.735	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-8.698	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-2.789	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-10.185	-0.0122	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-5.407	-0.0064	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	1.531	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-12.617	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-5.836	-0.0069	-2.5 to 2.5	Pass

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0032	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0012	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.533	-0.0043	-2.5 to 2.5	Pass
				50	3.85	2.089	0.0025	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	0.372	0.0004	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-5.422	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	2.689	0.0032	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.619	0.0043	-2.5 to 2.5	Pass
				10	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0108	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.174	0.0026	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.672	-0.0008	-2.5 to 2.5	Pass
					3.85	2.003	0.0024	-2.5 to 2.5	Pass
					4.43	0.458	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0025	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass

				0	3.85	-6.938	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0077	-2.5 to 2.5	Pass
				40	3.85	2.446	0.0029	-2.5 to 2.5	Pass
				50	3.85	-8.640	-0.0102	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-4.950	-0.0060	-2.5 to 2.5	Pass
					3.85	-1.702	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.789	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-5.150	-0.0062	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
					4.43	3.891	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-10.014	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				50	3.85	-6.838	-0.0082	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-4.635	-0.0055	-2.5 to 2.5	Pass
					3.85	0.286	0.0003	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	5.493	0.0065	-2.5 to 2.5	Pass
				-20	3.85	-8.569	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass

2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-0.701	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass

				50	3.85	-2.861	-0.0035	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.208	-0.0074	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-5.021	-0.0059	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-4.578	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-3.662	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-2.246	-0.0027	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-1.516	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.935	-0.0059	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.878	-0.0058	-2.5 to 2.5	Pass
					3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
					4.43	-3.891	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.792	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.237	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-2.933	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-4.821	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass

3. Modulation Characteristics

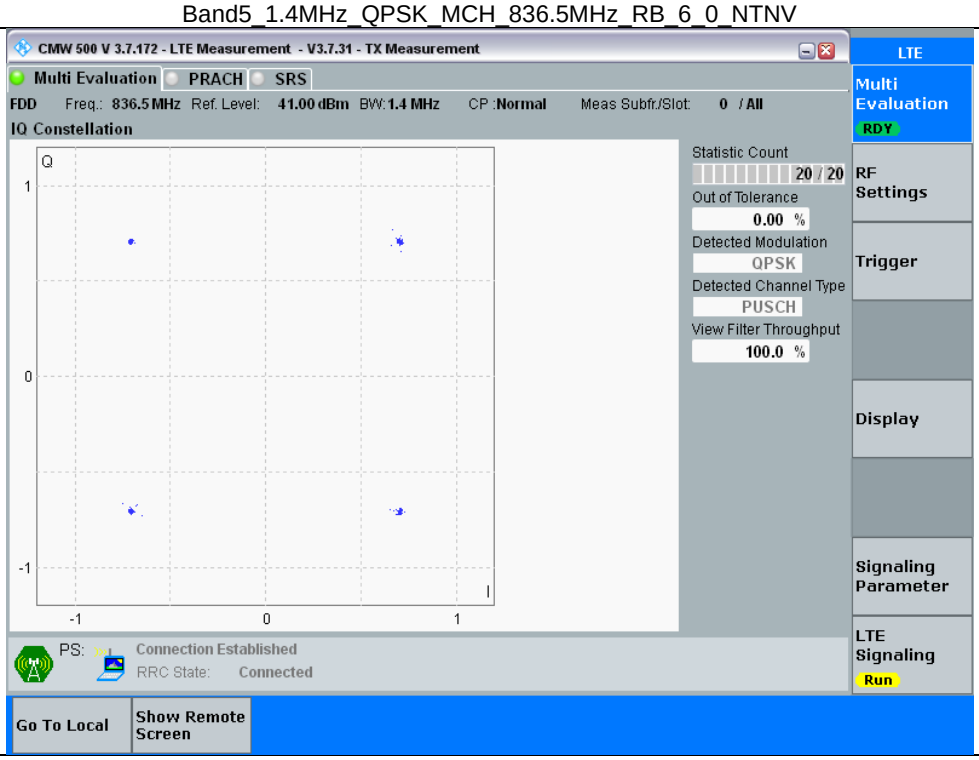
3.1 B5_1.4MHz

3.1.1 Test Result

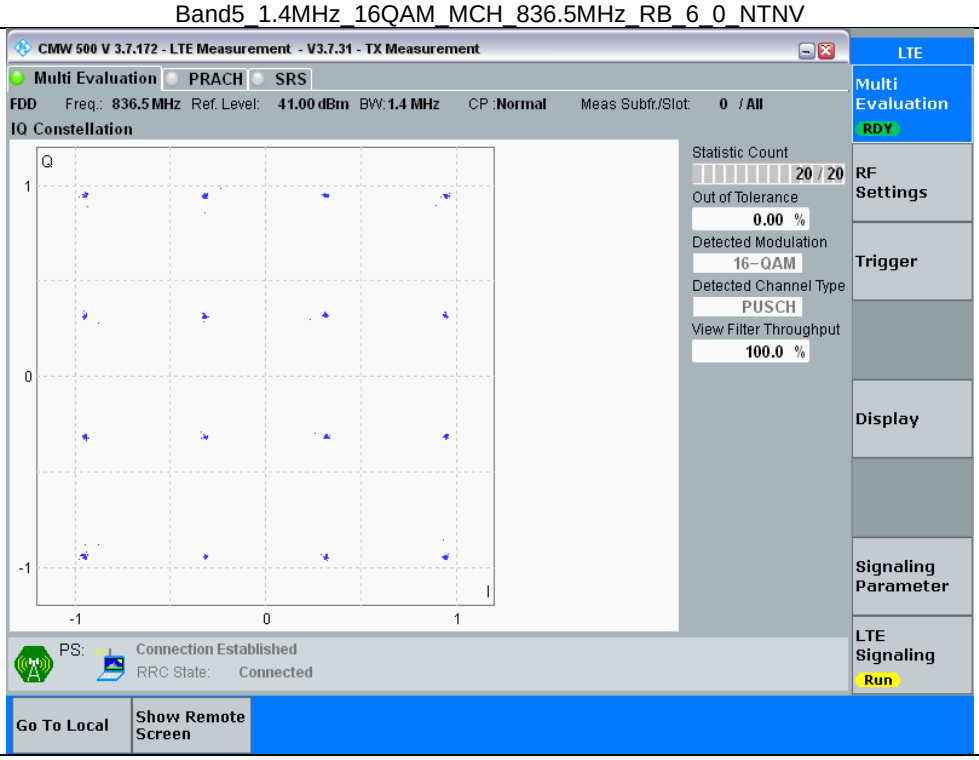
Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



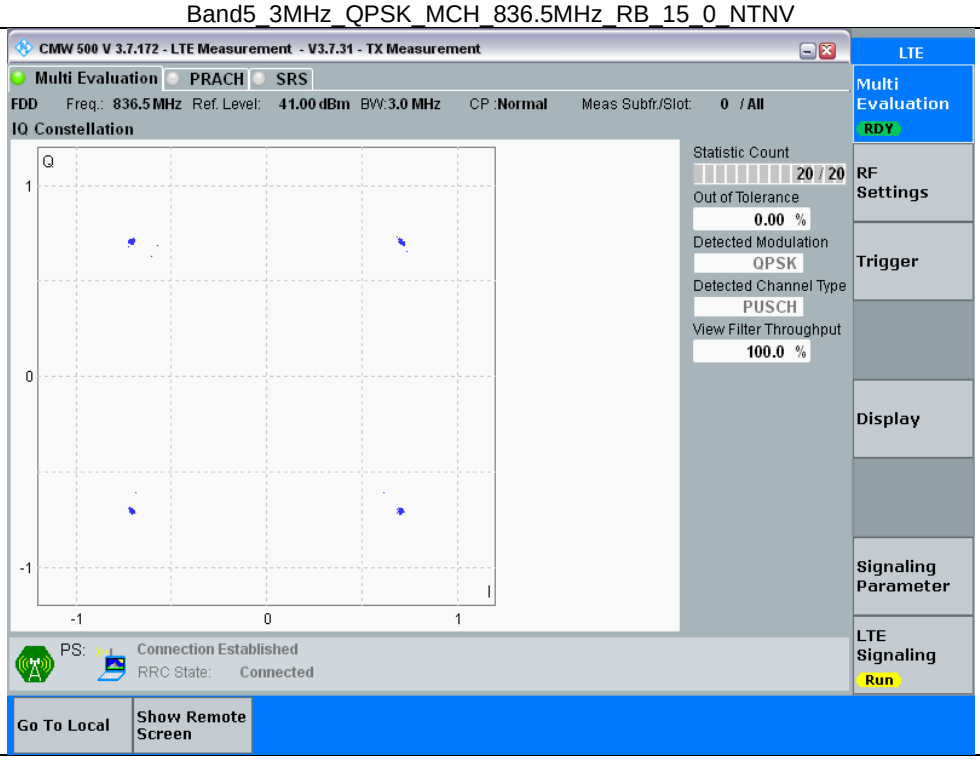
3.2 B5_3MHz

3.2.1 Test Result

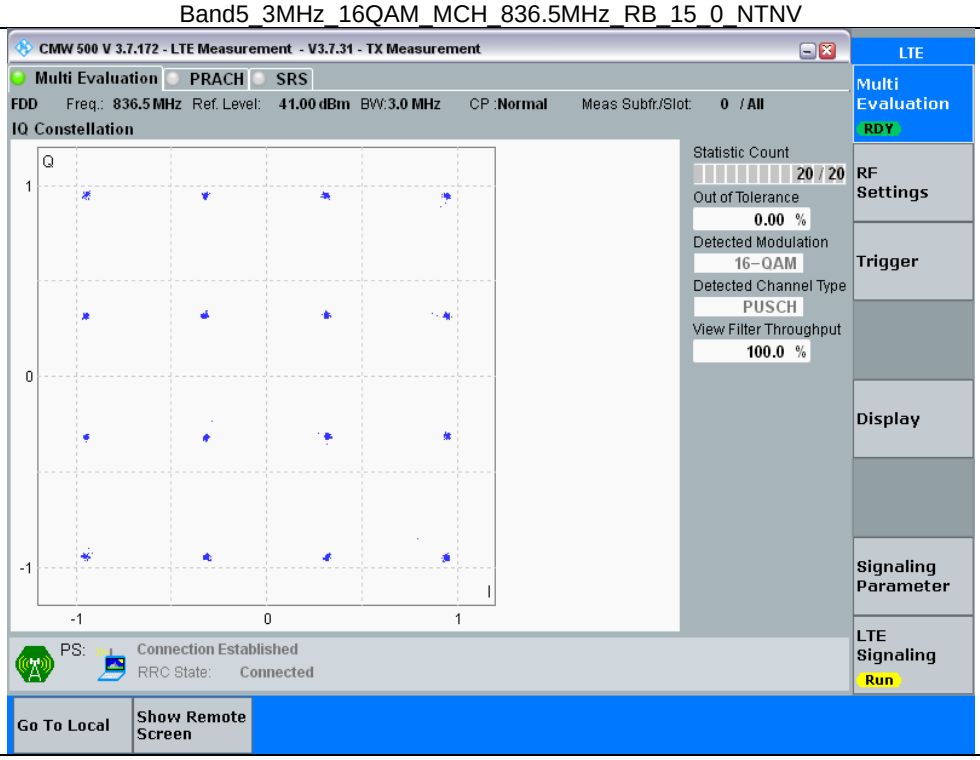
Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



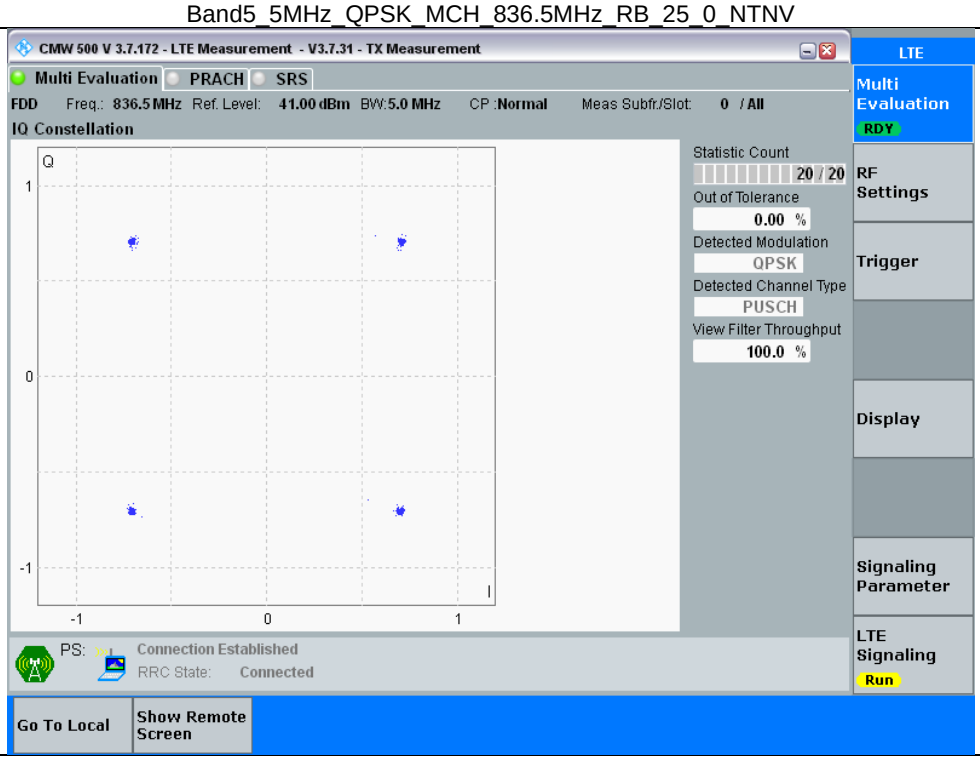
3.3 B5_5MHz

3.3.1 Test Result

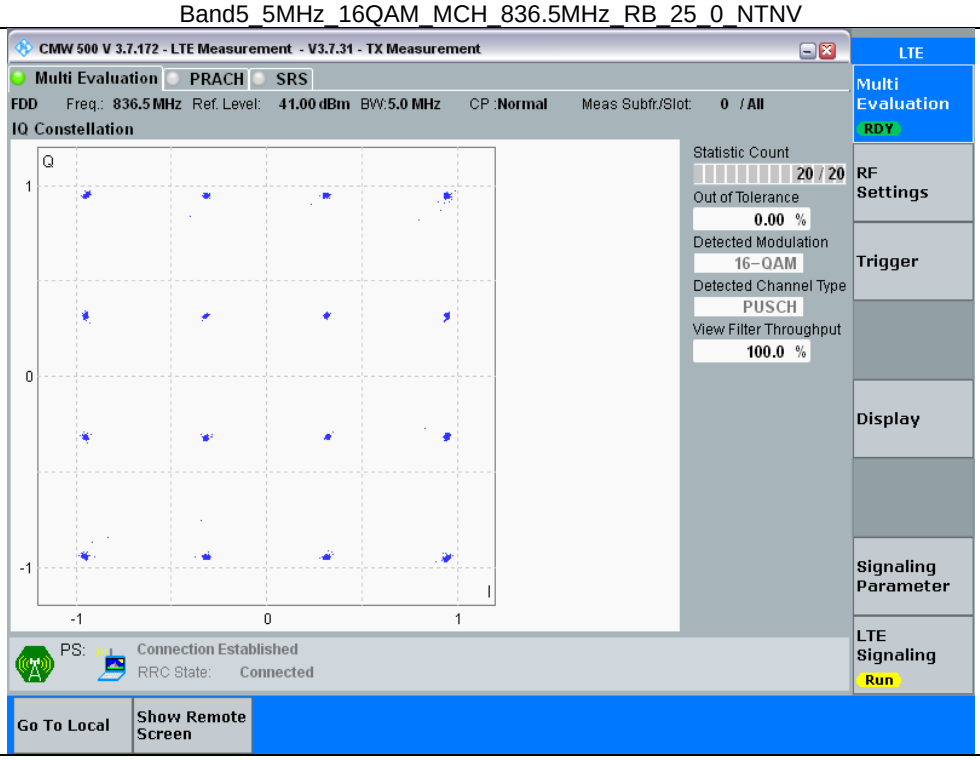
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



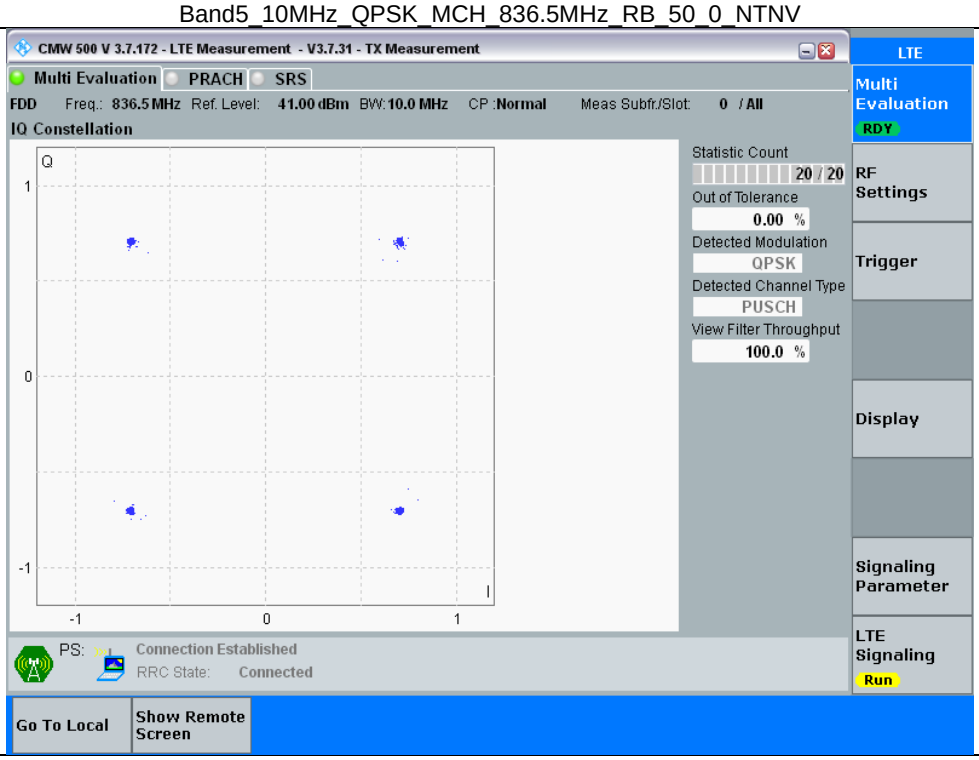
3.4 B5_10MHz

3.4.1 Test Result

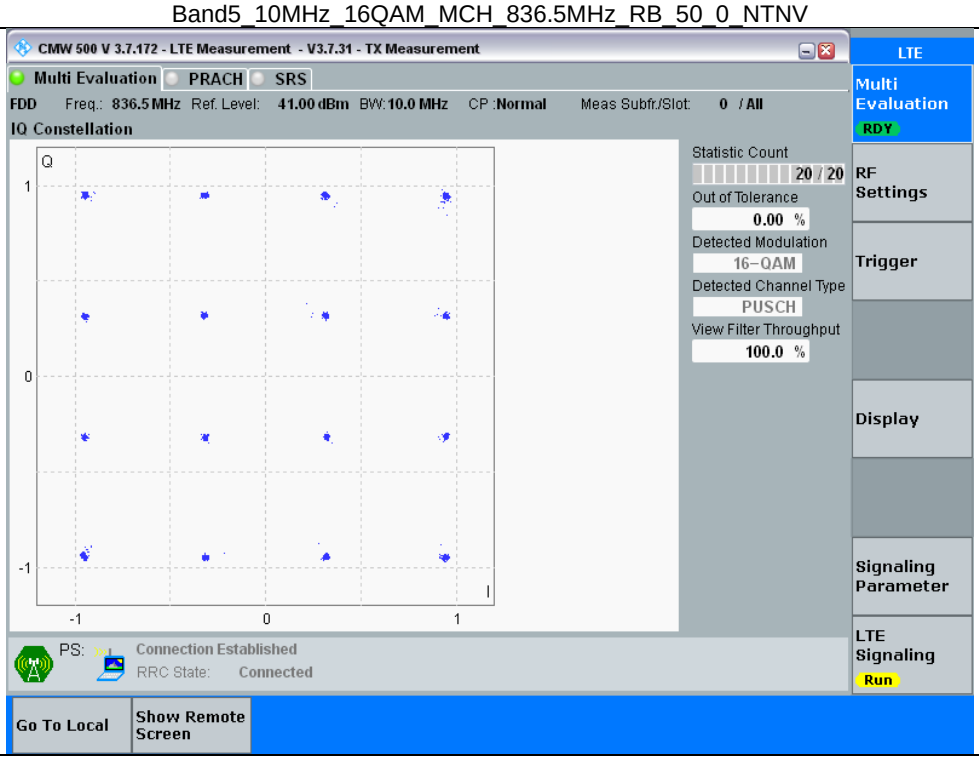
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

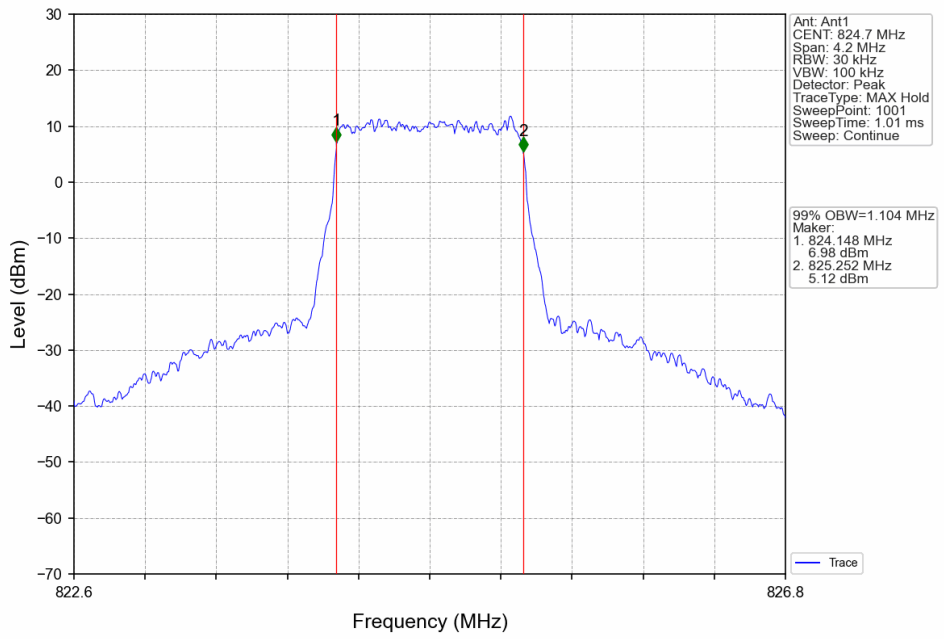
4.1 Band5_OBW

4.1.1 Test Result

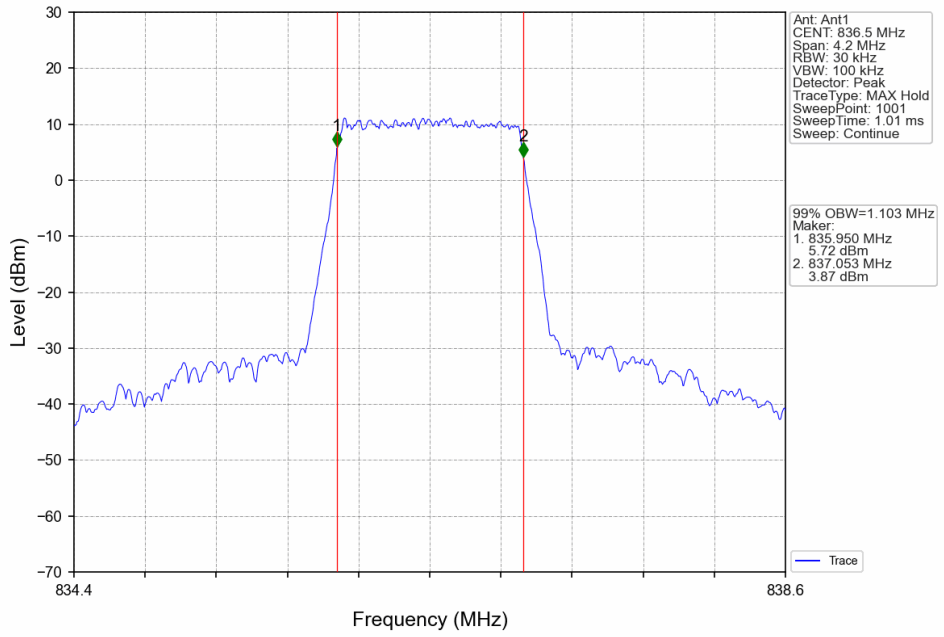
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.104	/	Pass
		836.5	6	0	1.103	/	Pass
		848.3	6	0	1.097	/	Pass
	16QAM	824.7	6	0	1.100	/	Pass
		836.5	6	0	1.094	/	Pass
		848.3	6	0	1.103	/	Pass
3	QPSK	825.5	15	0	2.719	/	Pass
		836.5	15	0	2.730	/	Pass
		847.5	15	0	2.721	/	Pass
	16QAM	825.5	15	0	2.748	/	Pass
		836.5	15	0	2.718	/	Pass
		847.5	15	0	2.729	/	Pass
5	QPSK	826.5	25	0	4.523	/	Pass
		836.5	25	0	4.506	/	Pass
		846.5	25	0	4.519	/	Pass
	16QAM	826.5	25	0	4.508	/	Pass
		836.5	25	0	4.515	/	Pass
		846.5	25	0	4.523	/	Pass
10	QPSK	829	50	0	8.997	/	Pass
		836.5	50	0	9.007	/	Pass
		844	50	0	9.008	/	Pass
	16QAM	829	50	0	8.993	/	Pass
		836.5	50	0	8.971	/	Pass
		844	50	0	9.010	/	Pass

4.1.2 Test Graph

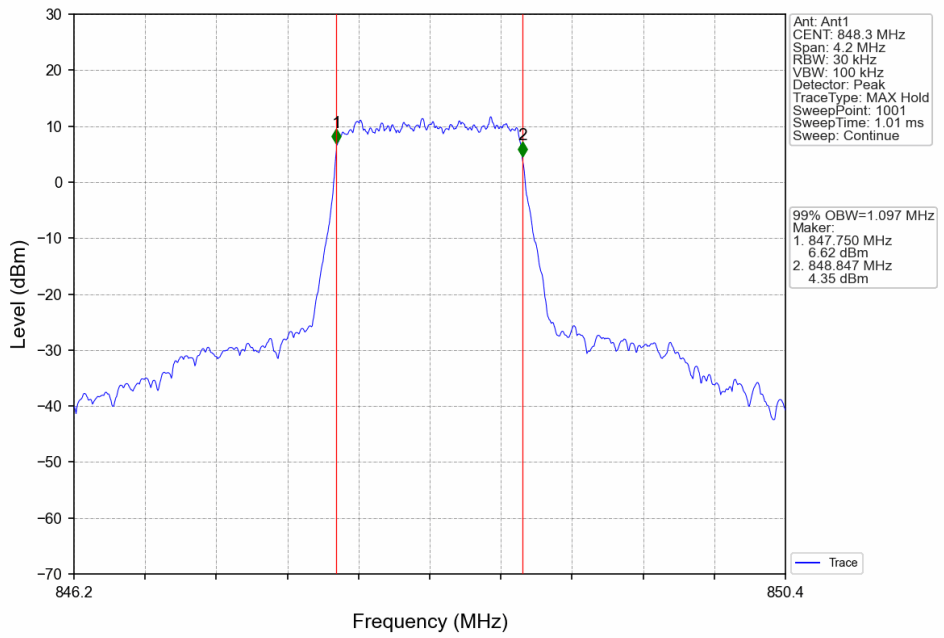
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



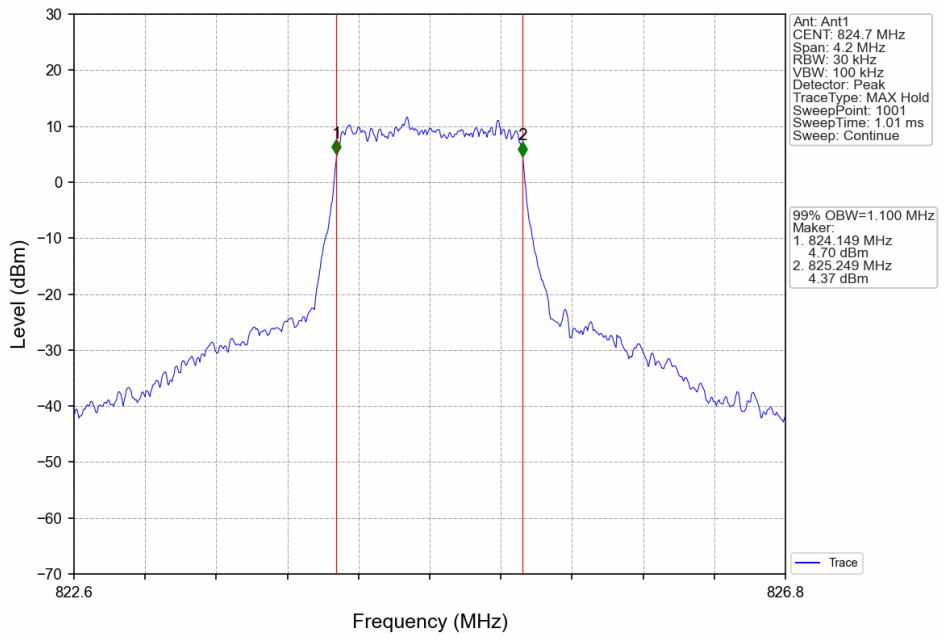
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



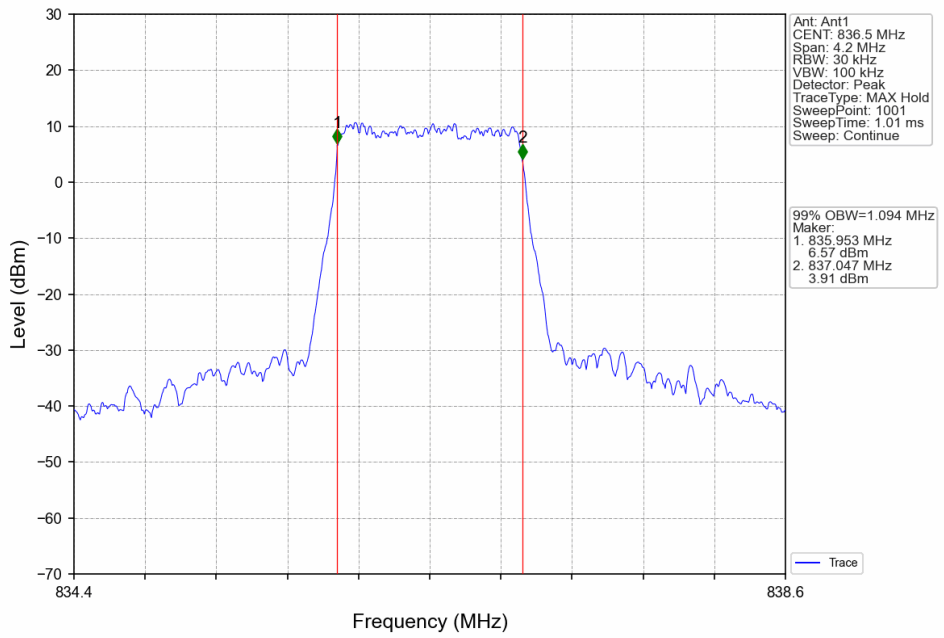
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



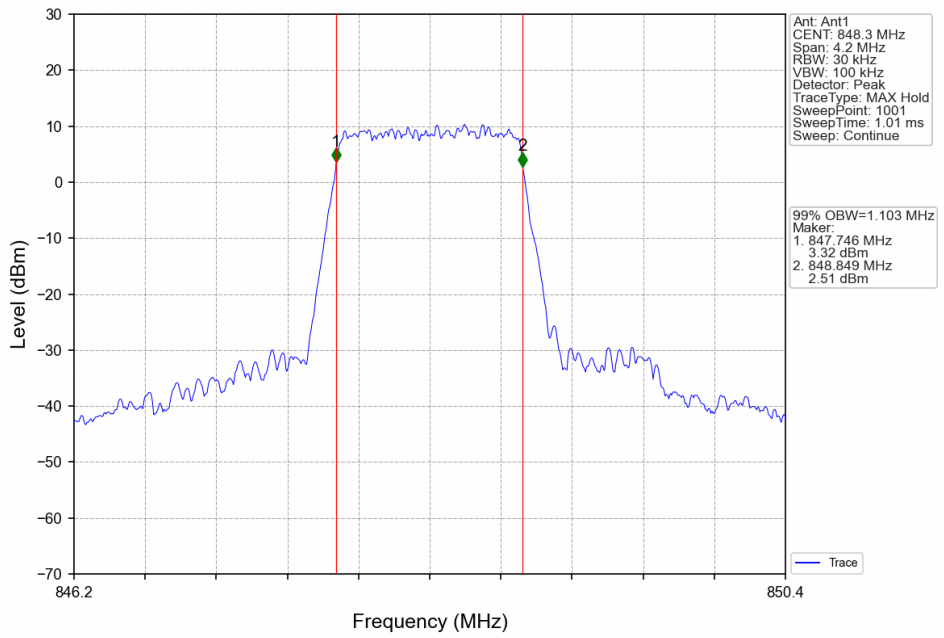
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



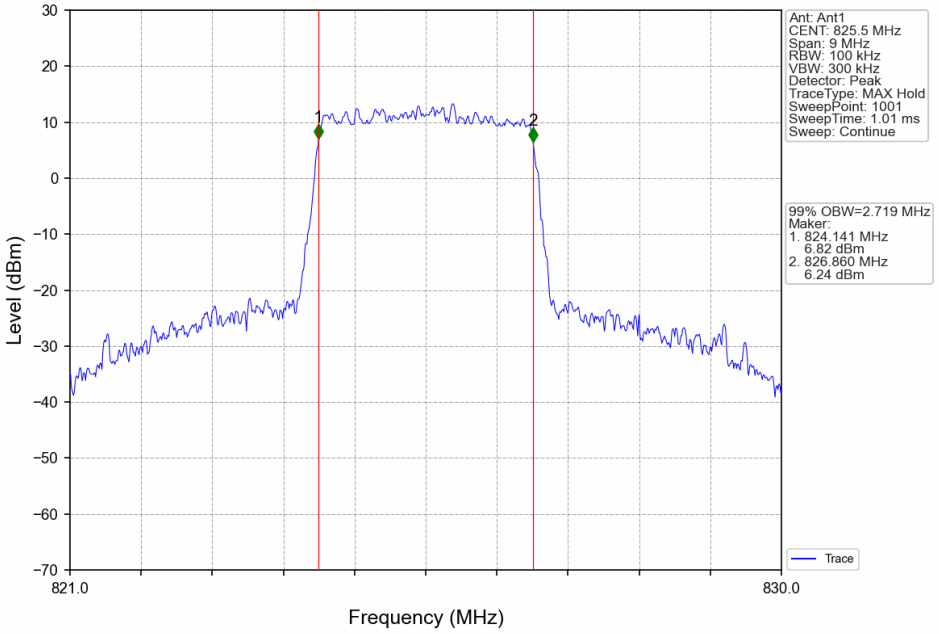
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



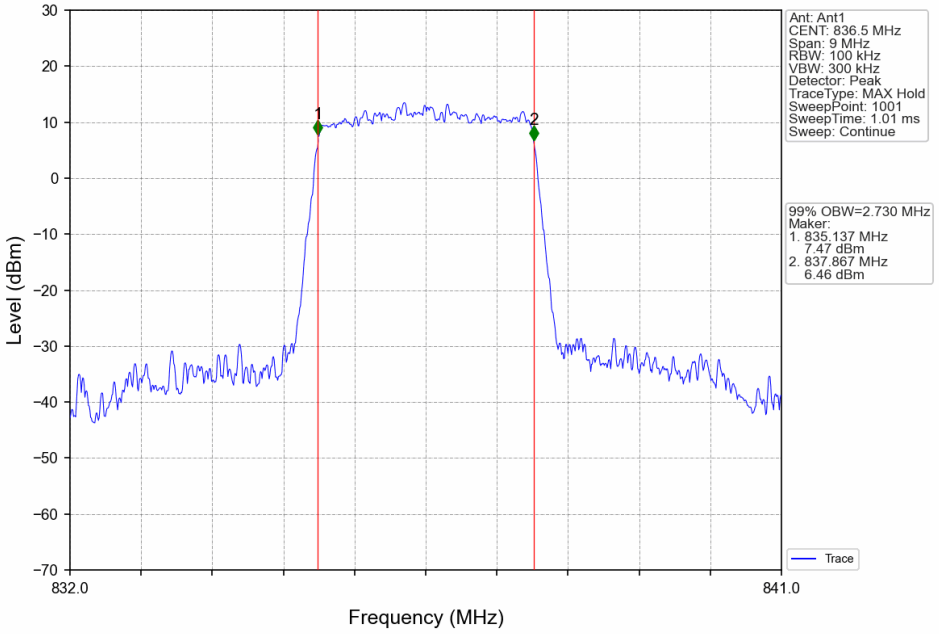
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



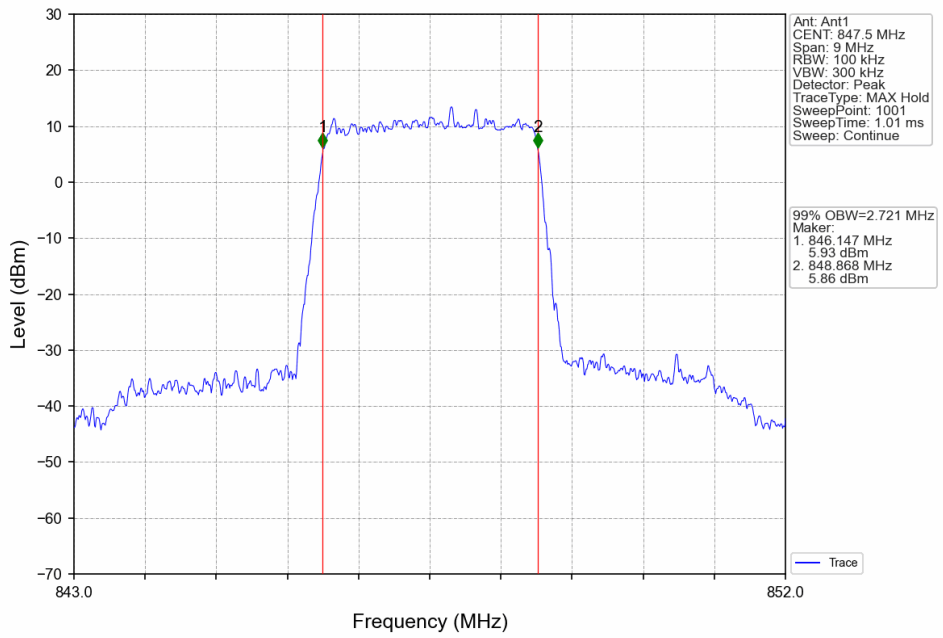
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



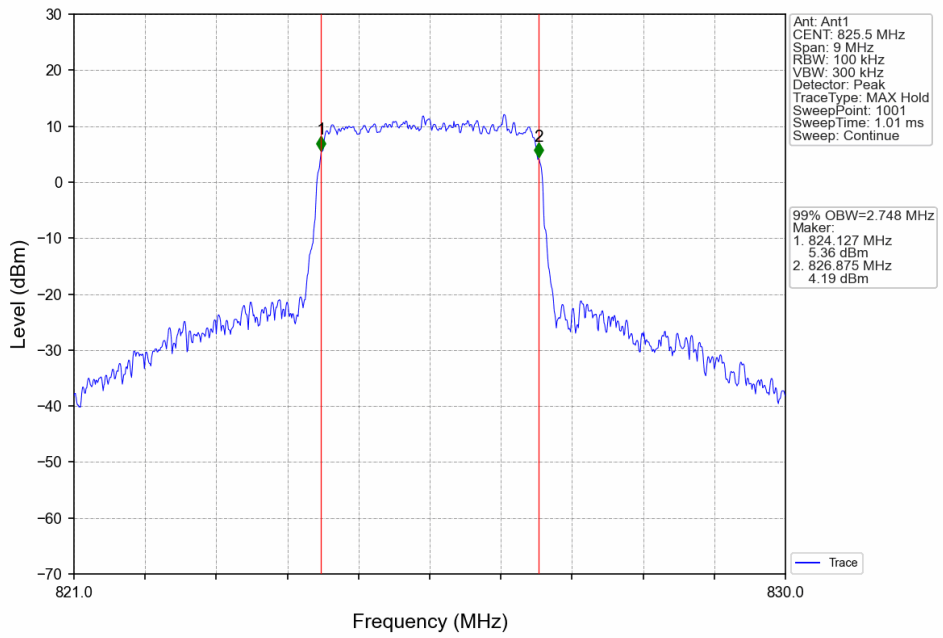
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



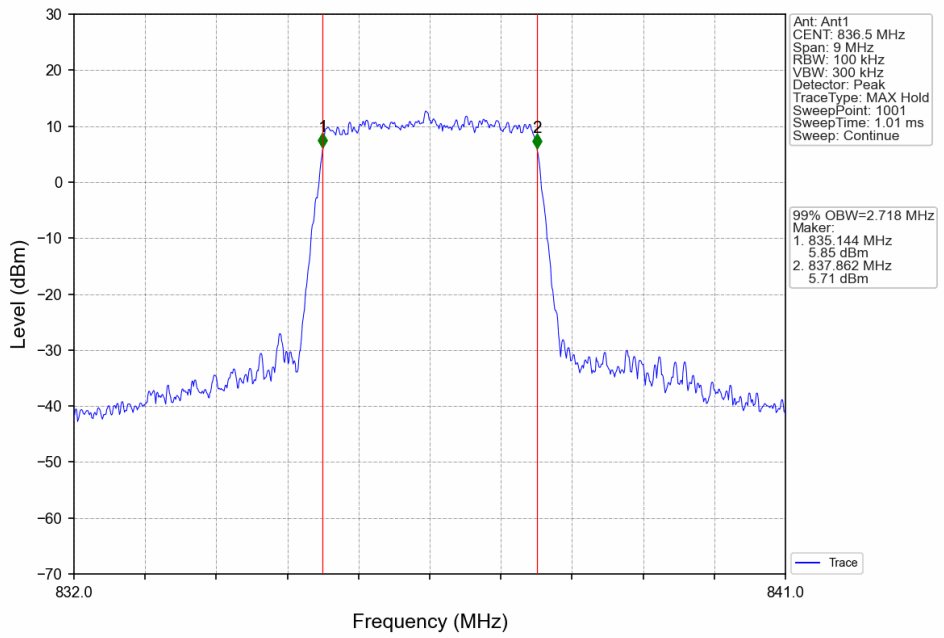
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



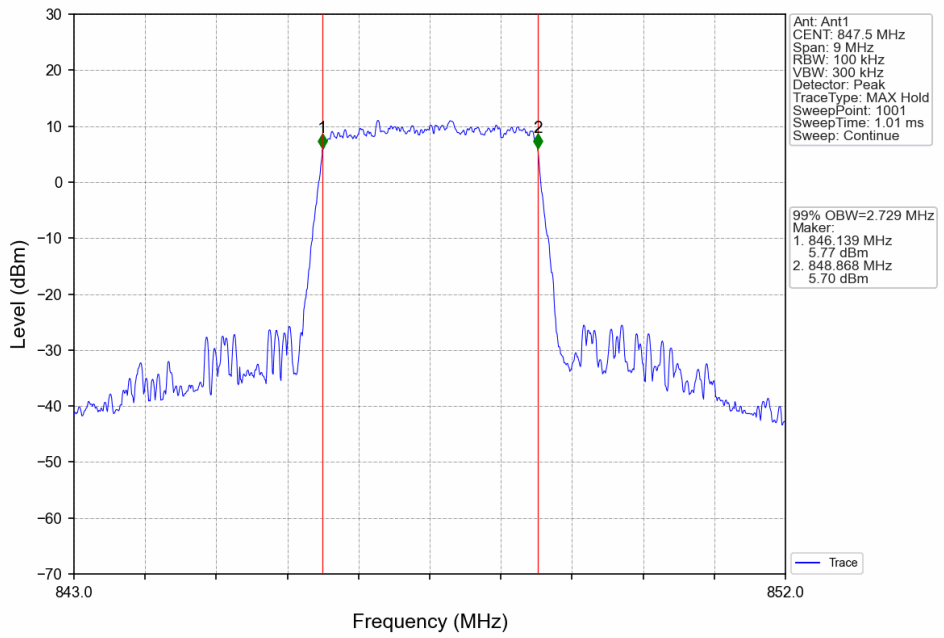
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



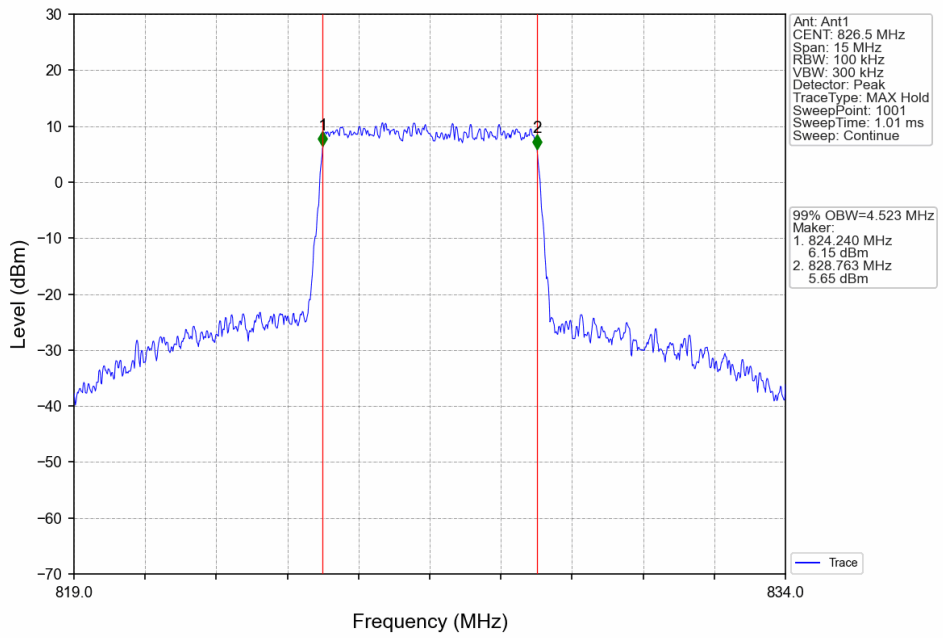
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



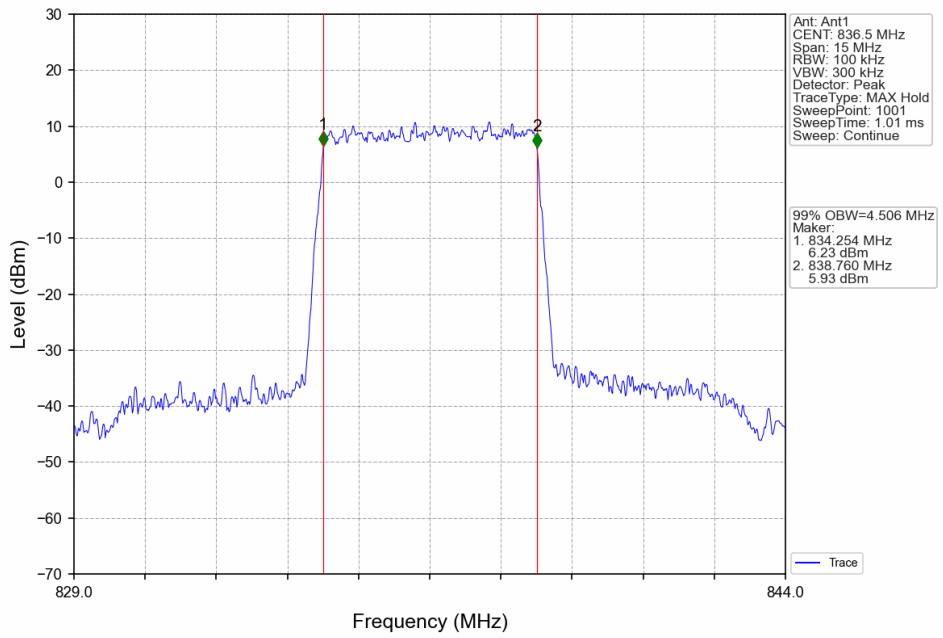
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



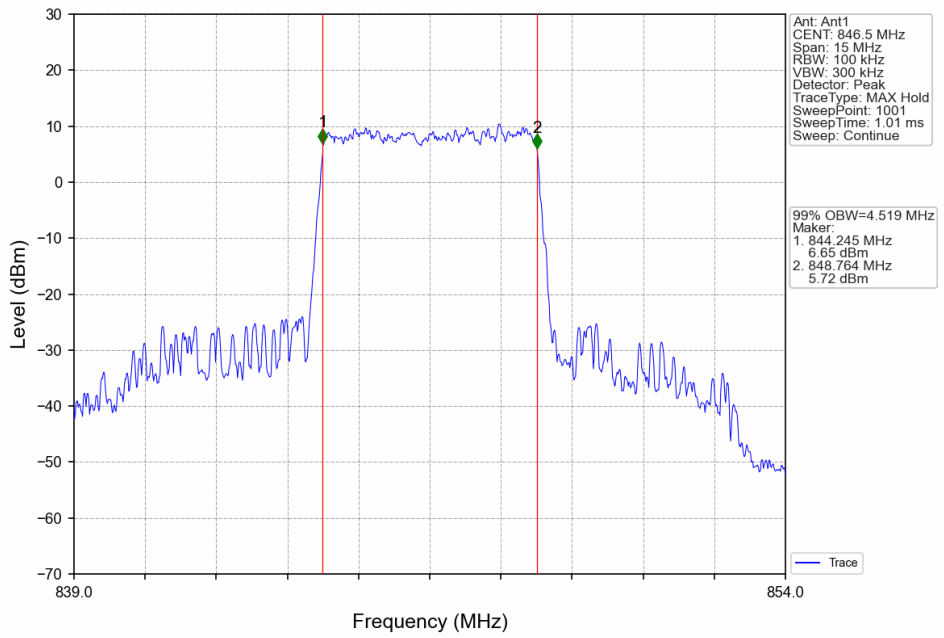
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



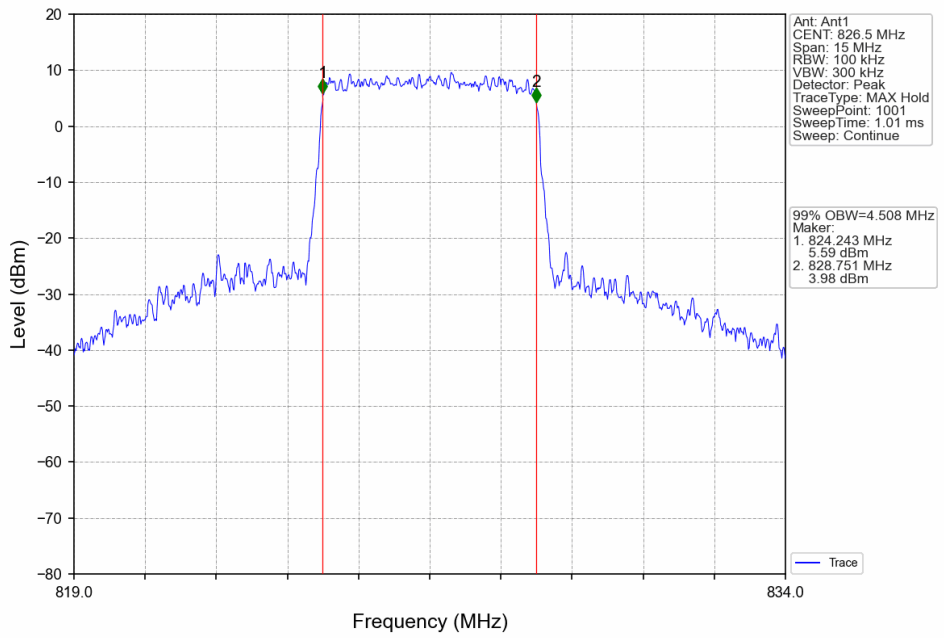
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



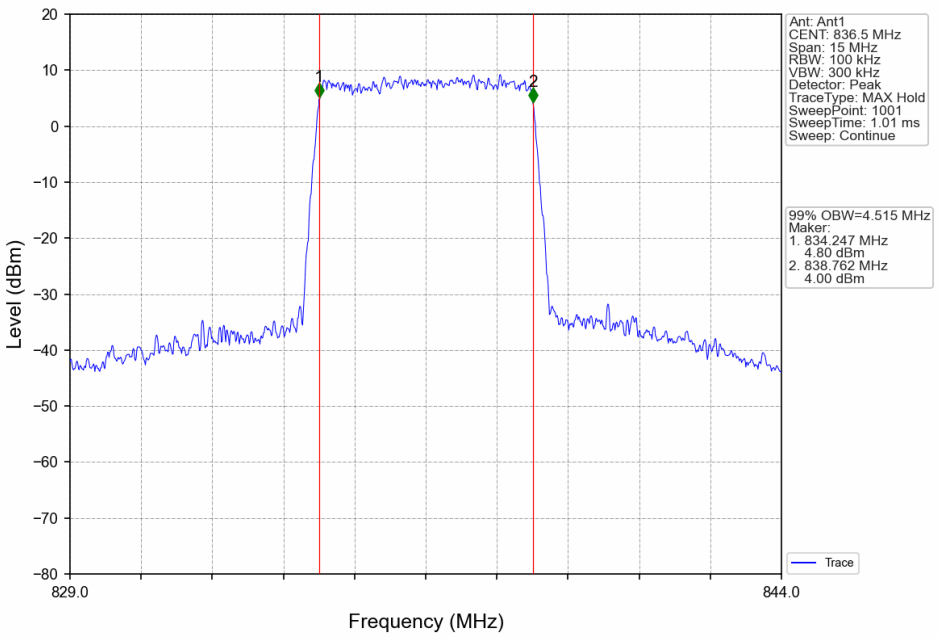
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



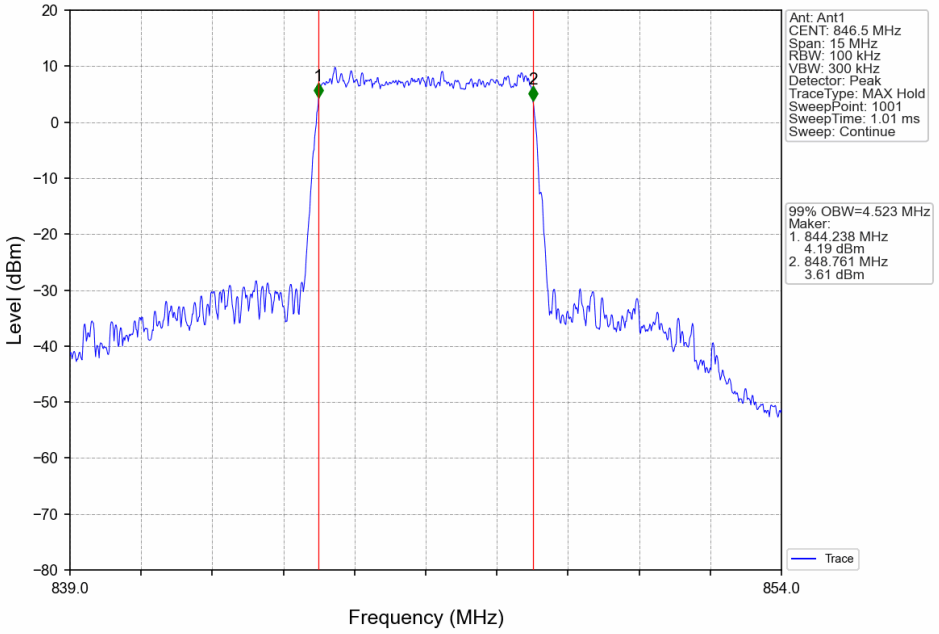
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



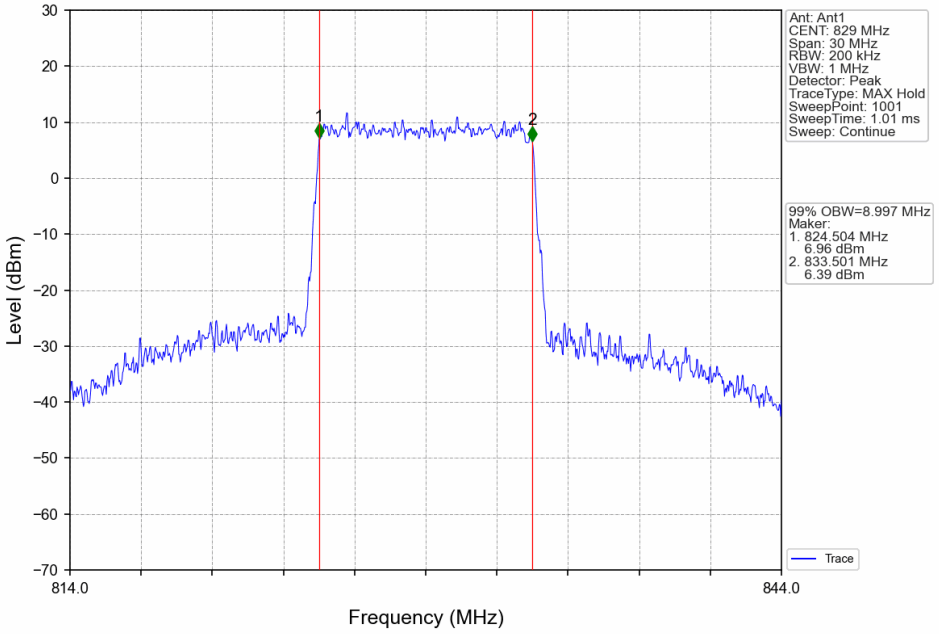
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



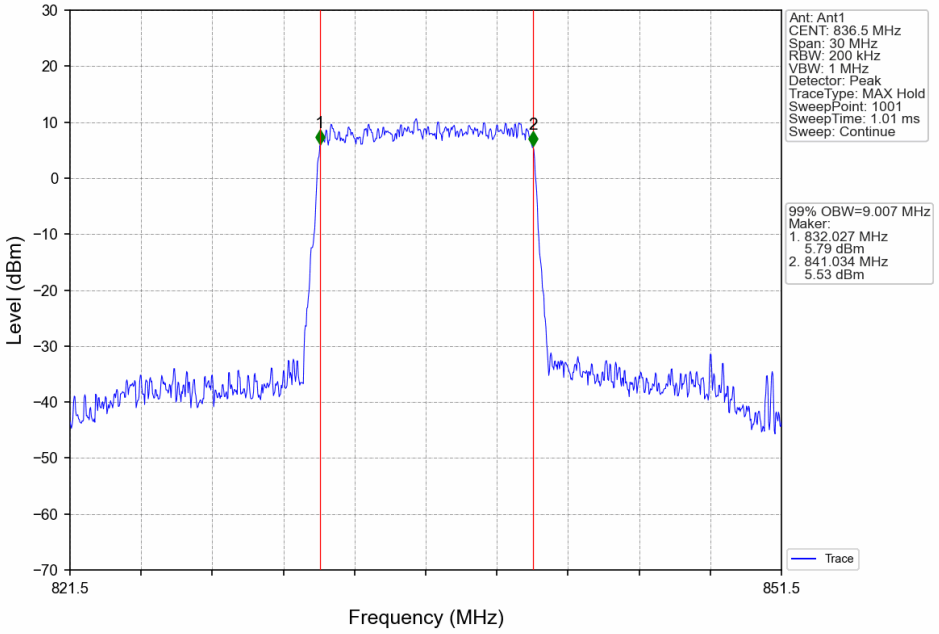
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



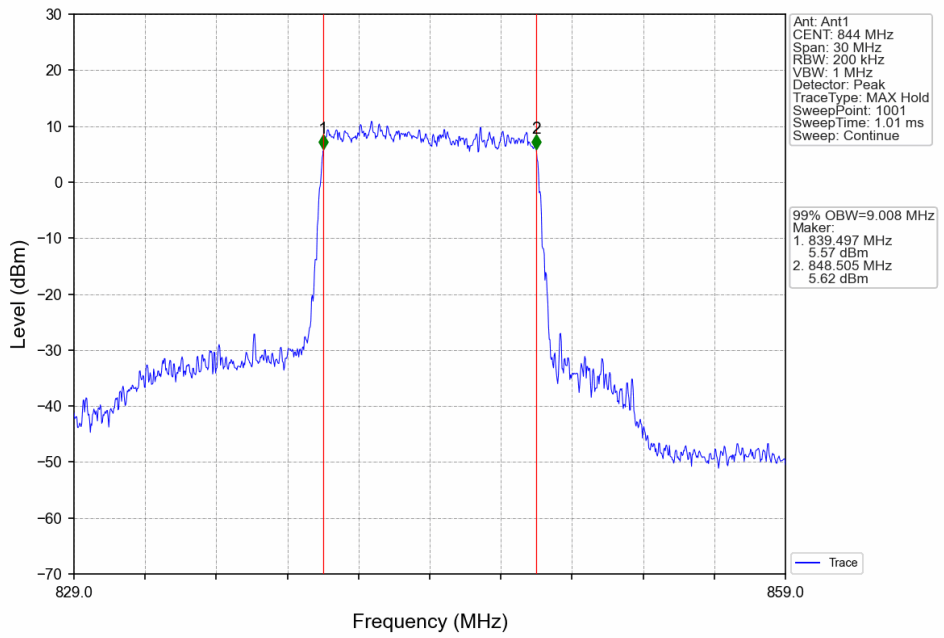
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



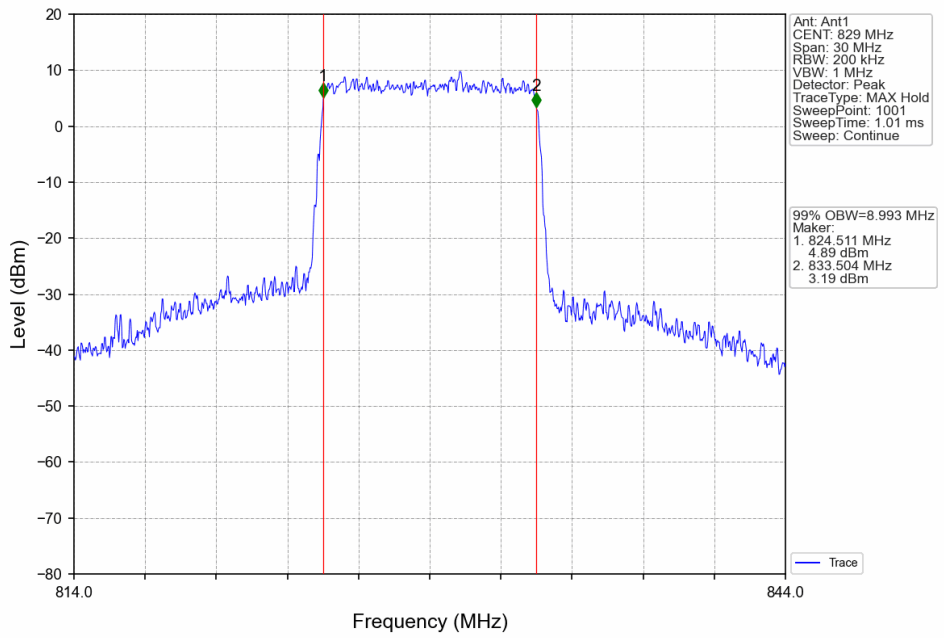
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



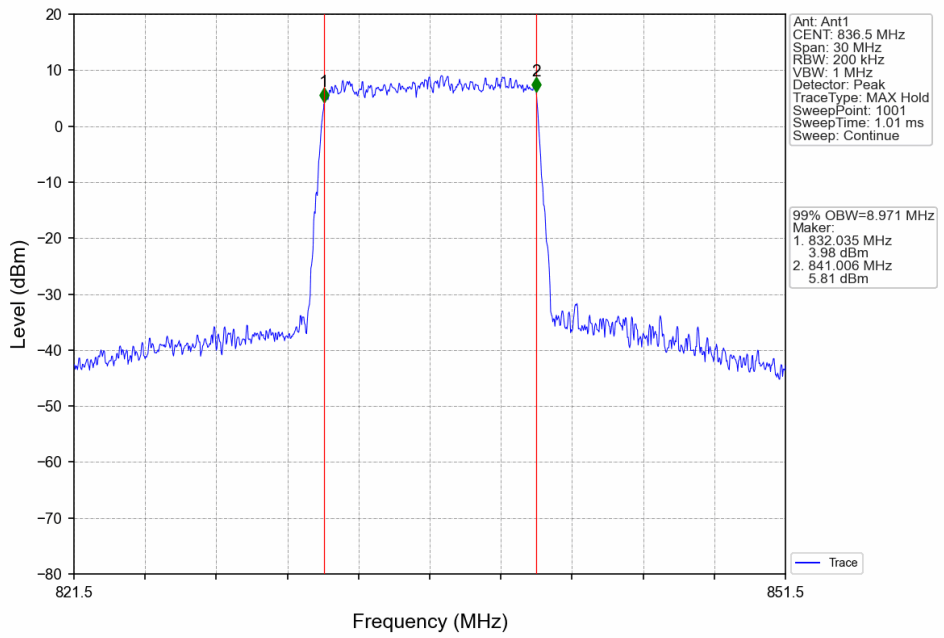
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



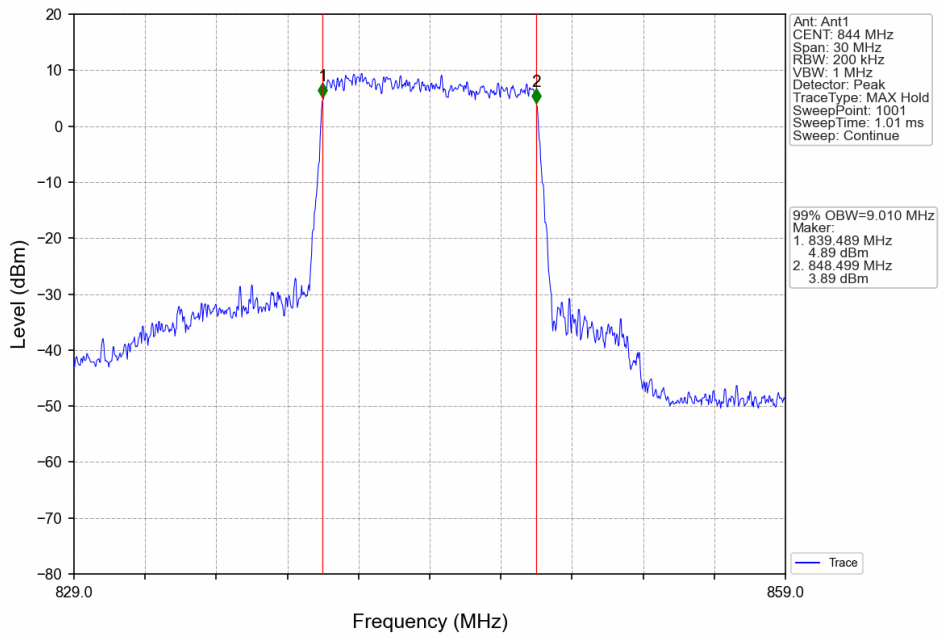
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



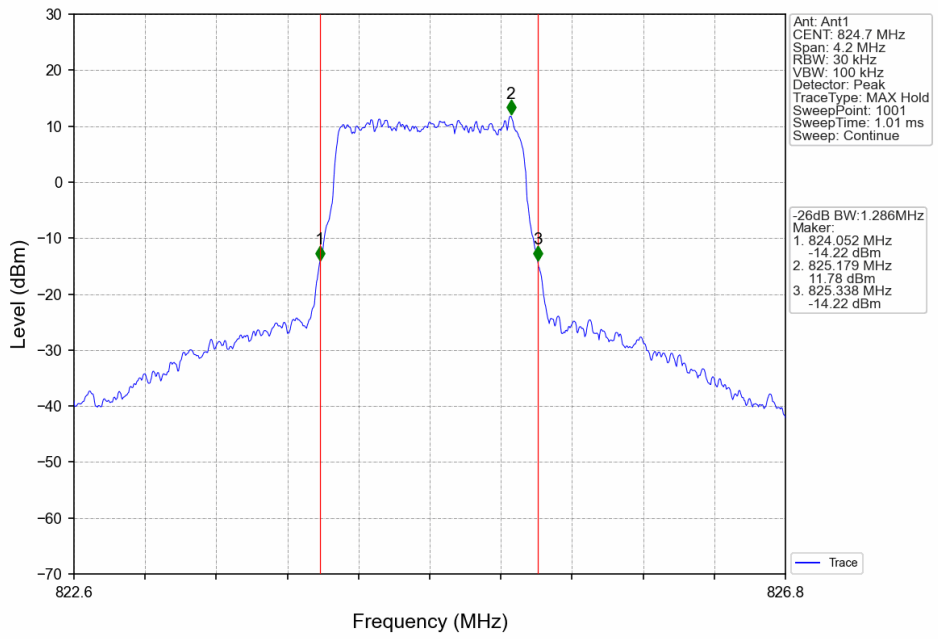
4.2 Band5_XDB

4.2.1 Test Result

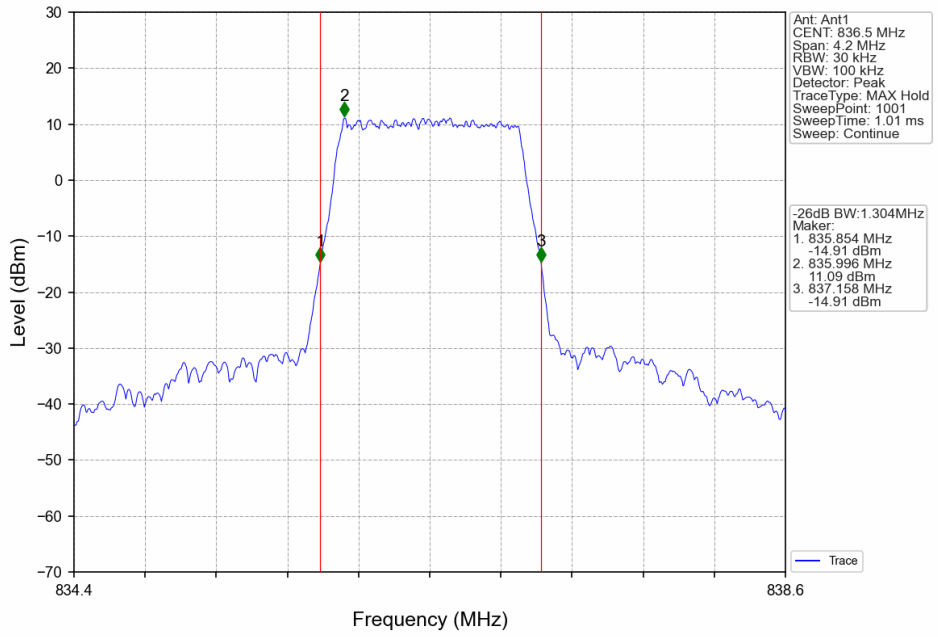
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.286	/	Pass
		836.5	6	0	1.304	/	Pass
		848.3	6	0	1.276	/	Pass
	16QAM	824.7	6	0	1.279	/	Pass
		836.5	6	0	1.278	/	Pass
		848.3	6	0	1.298	/	Pass
3	QPSK	825.5	15	0	3.037	/	Pass
		836.5	15	0	3.041	/	Pass
		847.5	15	0	3.032	/	Pass
	16QAM	825.5	15	0	3.022	/	Pass
		836.5	15	0	3.032	/	Pass
		847.5	15	0	3.051	/	Pass
5	QPSK	826.5	25	0	4.917	/	Pass
		836.5	25	0	4.908	/	Pass
		846.5	25	0	4.919	/	Pass
	16QAM	826.5	25	0	4.912	/	Pass
		836.5	25	0	4.948	/	Pass
		846.5	25	0	4.921	/	Pass
10	QPSK	829	50	0	9.714	/	Pass
		836.5	50	0	9.731	/	Pass
		844	50	0	9.697	/	Pass
	16QAM	829	50	0	9.720	/	Pass
		836.5	50	0	9.771	/	Pass
		844	50	0	9.731	/	Pass

4.2.2 Test Graph

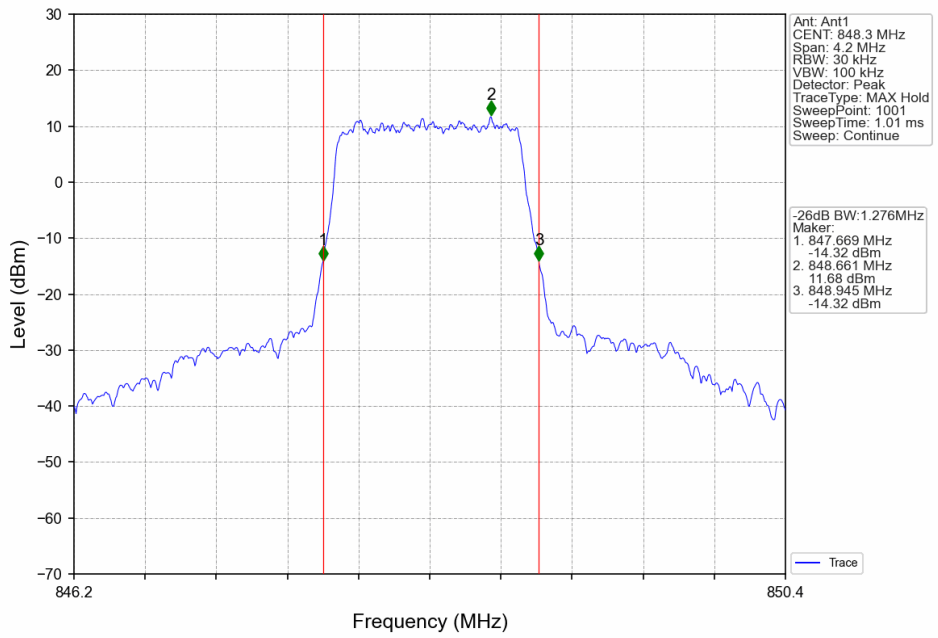
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



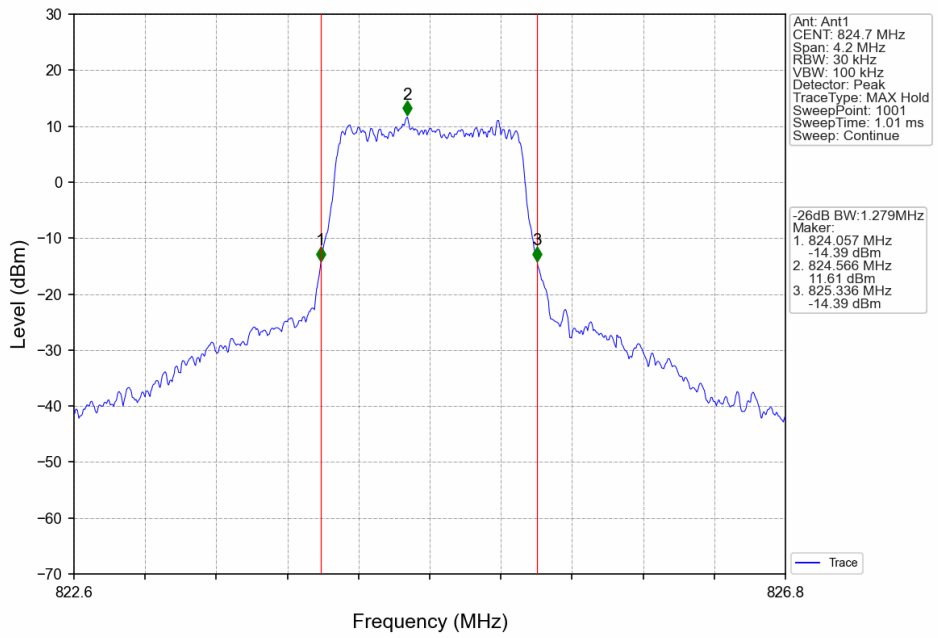
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



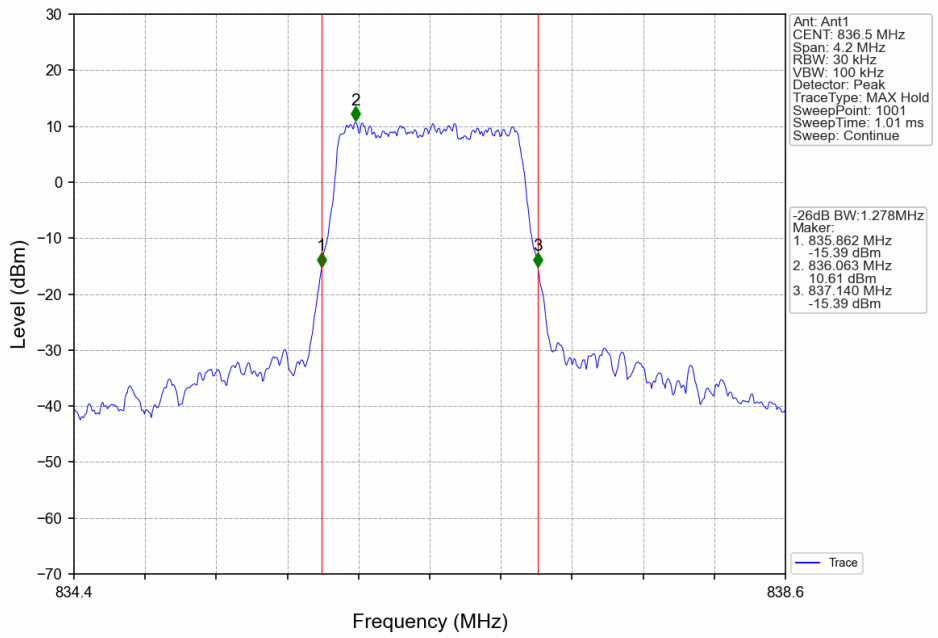
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



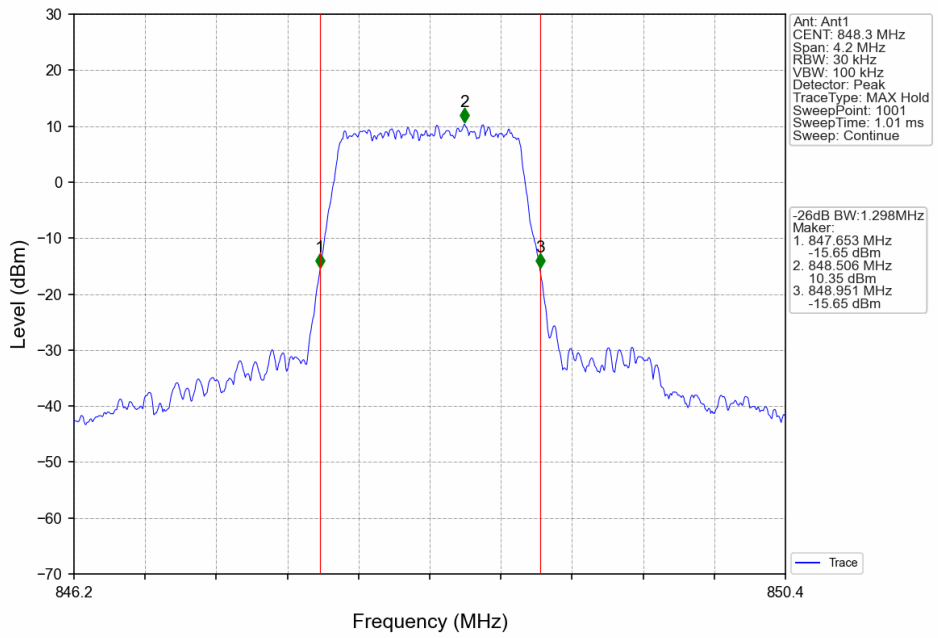
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



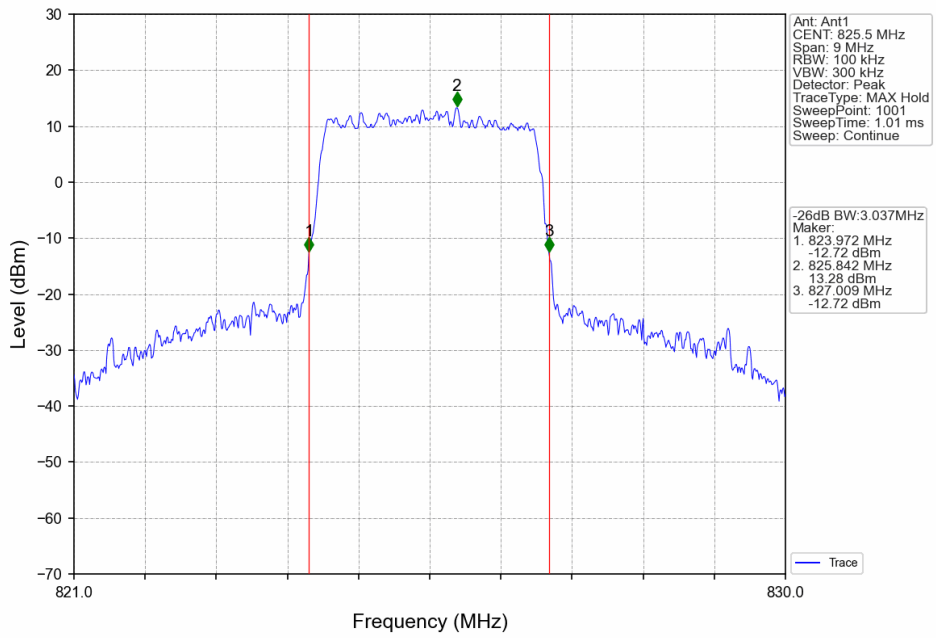
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



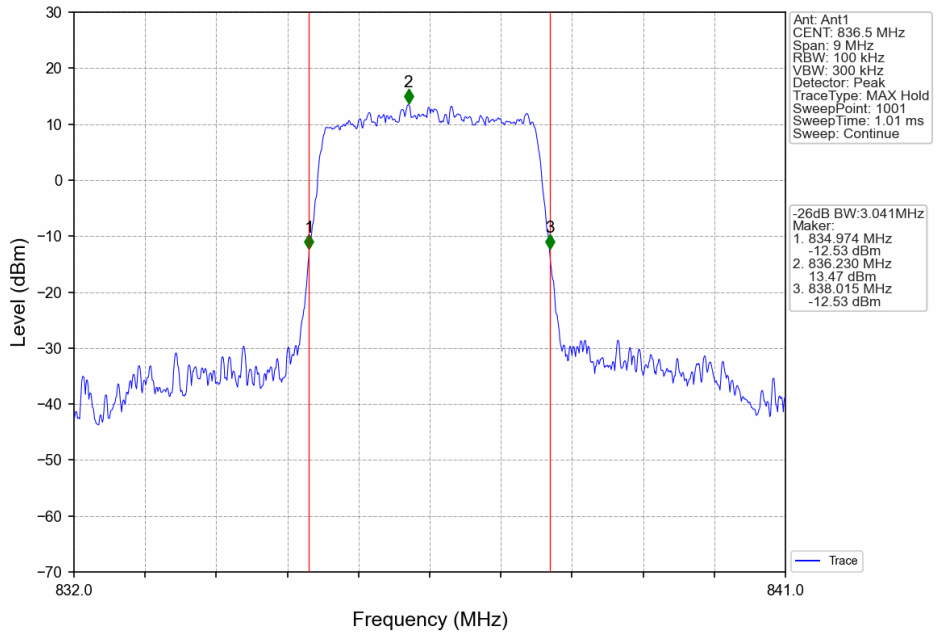
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



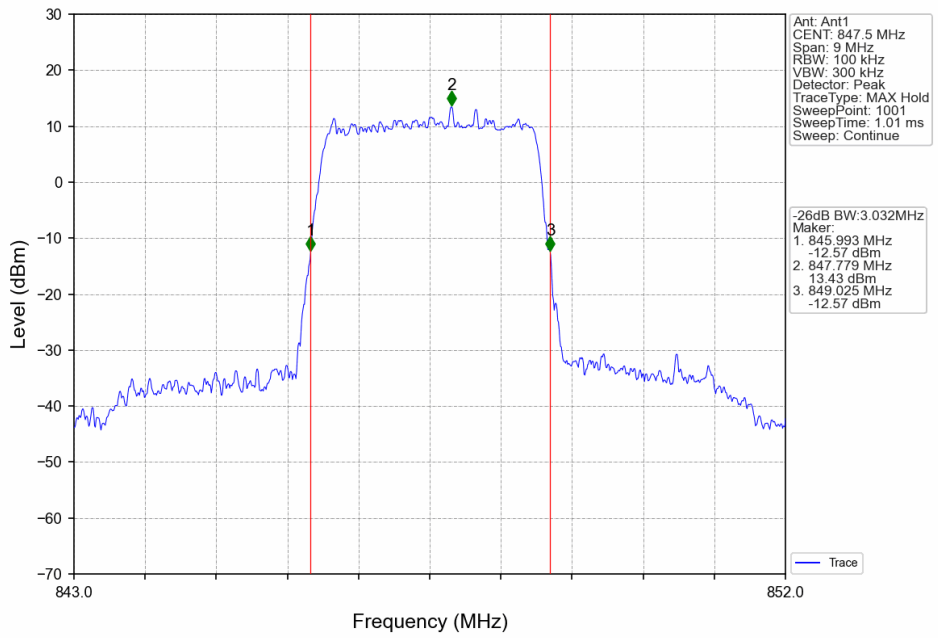
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



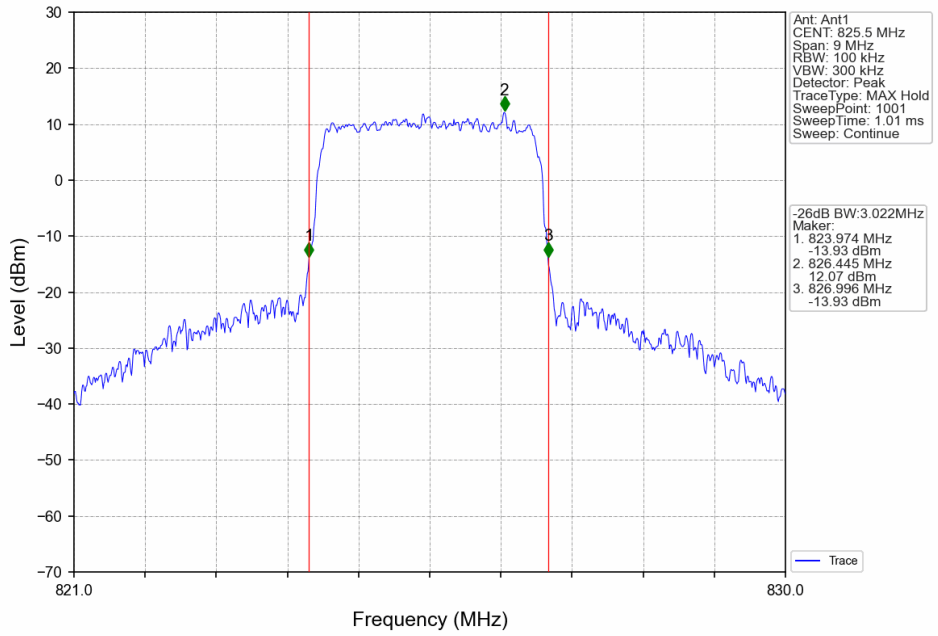
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



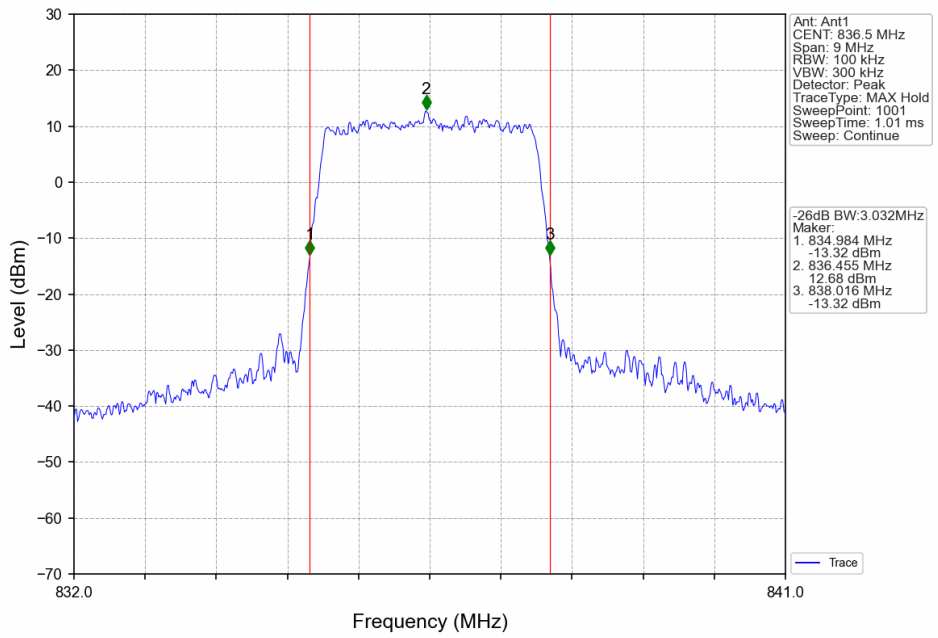
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



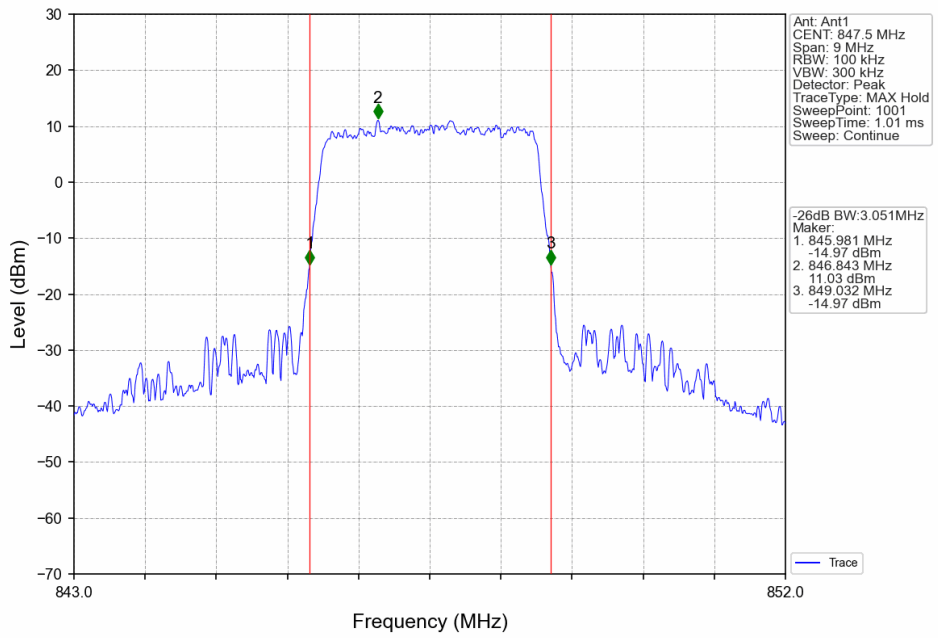
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



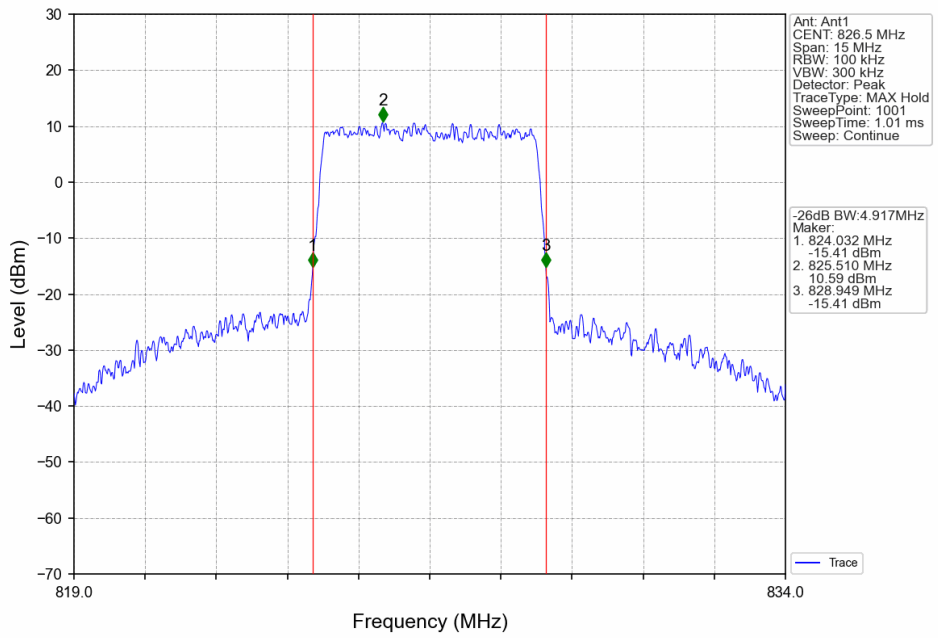
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



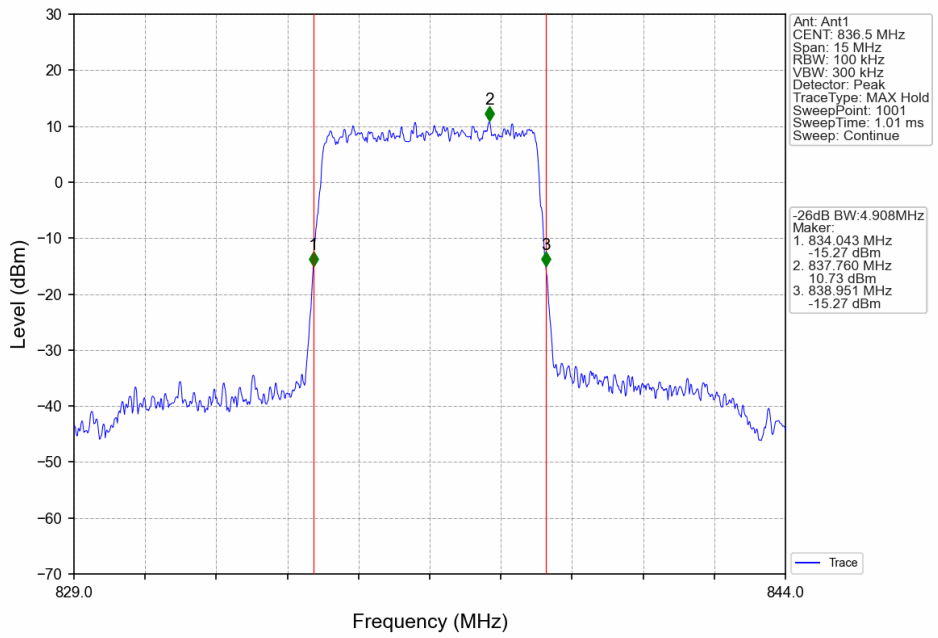
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



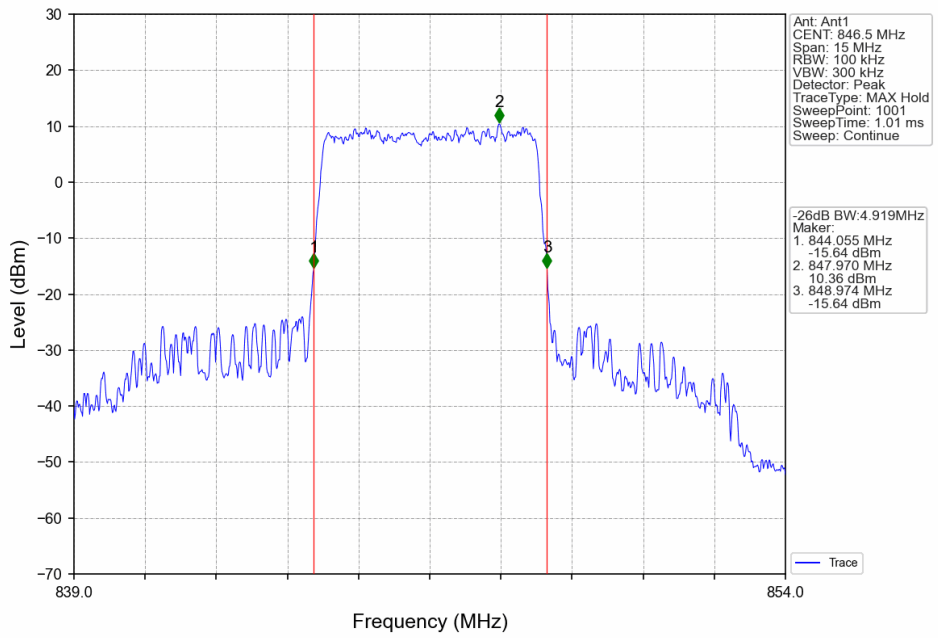
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



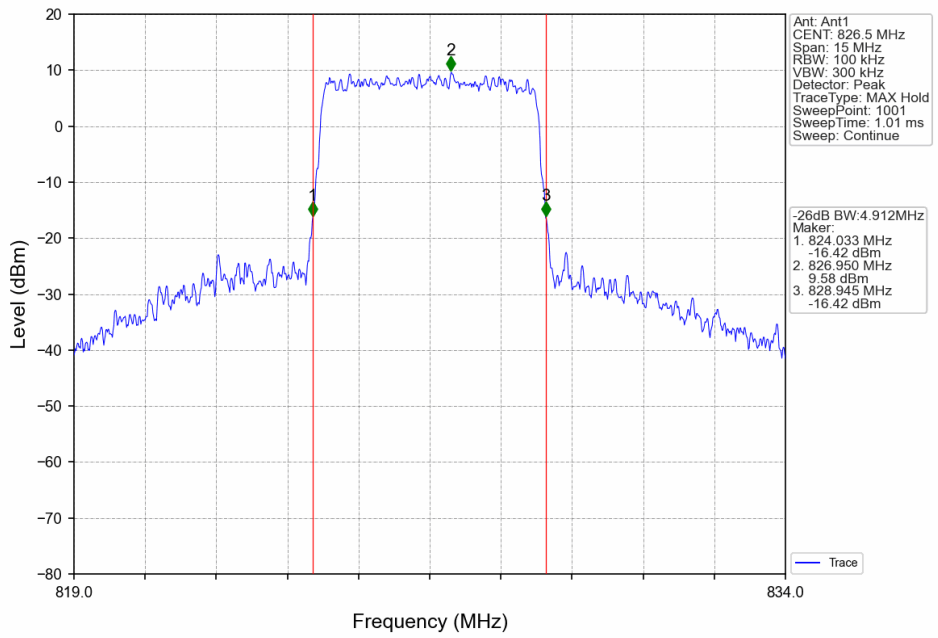
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



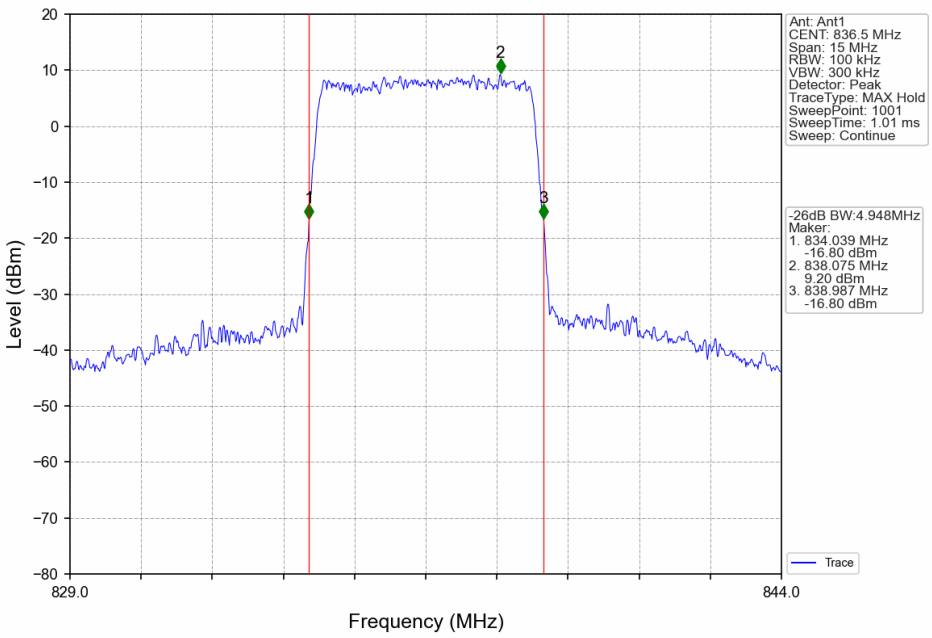
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



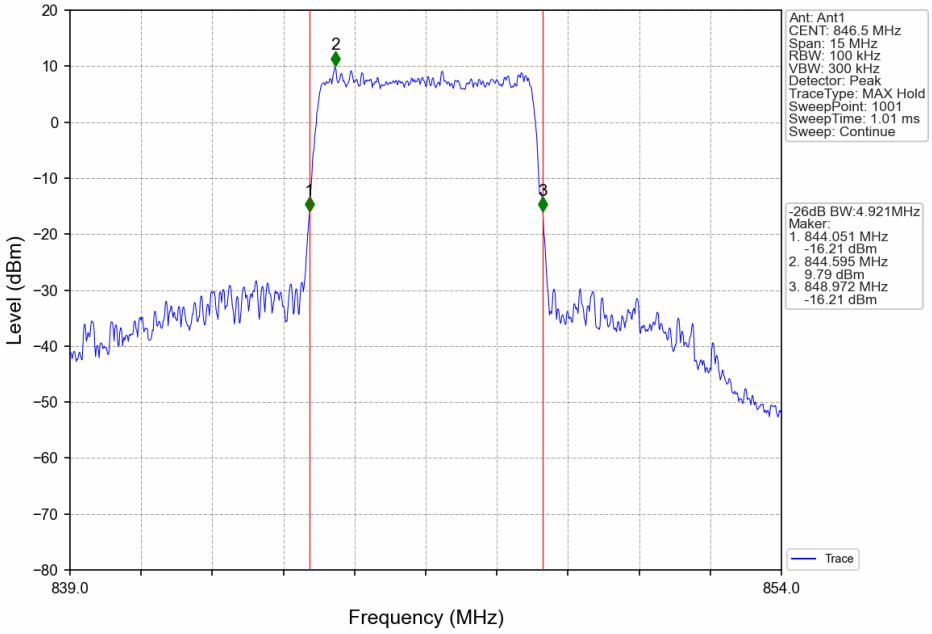
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



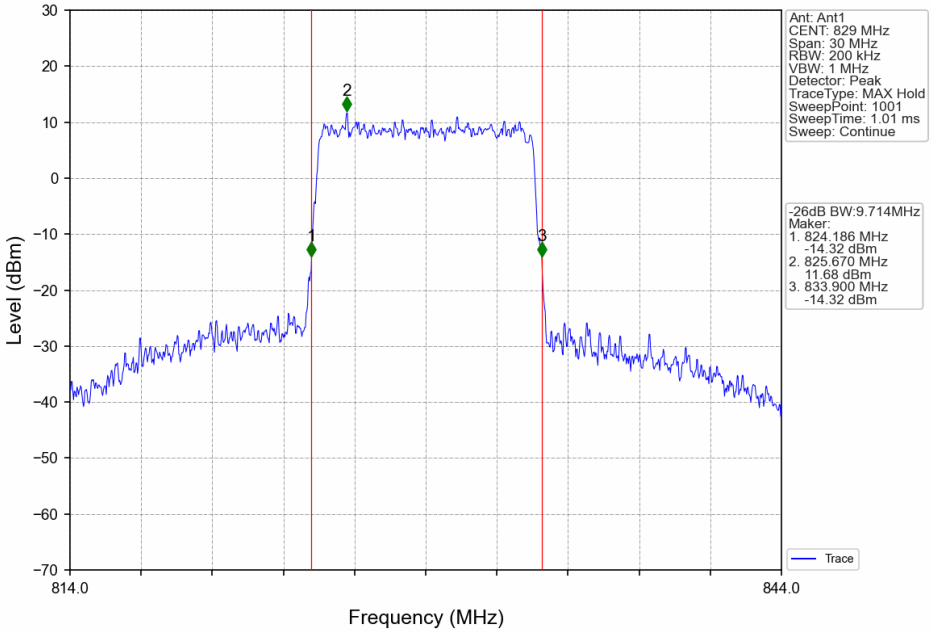
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



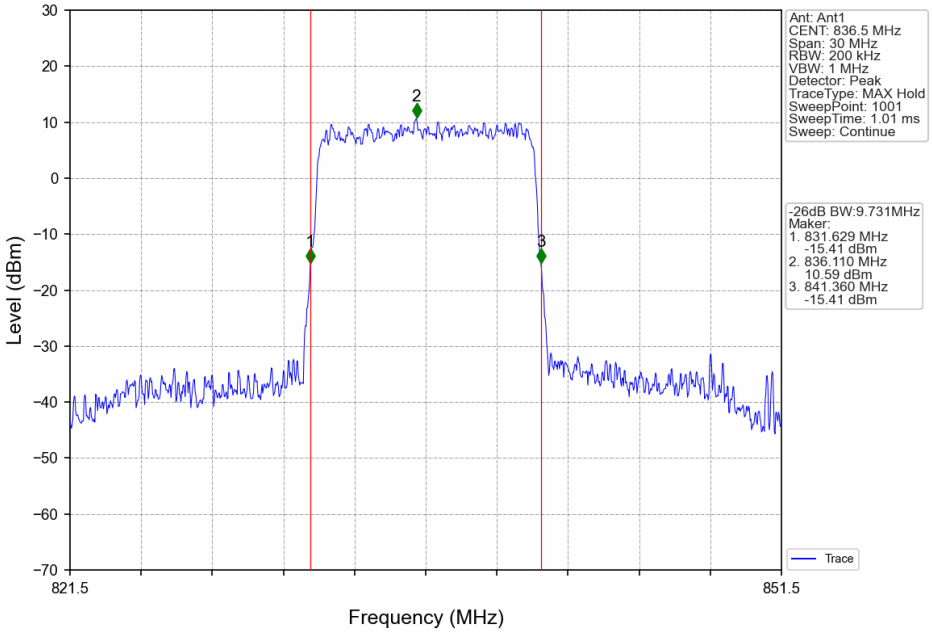
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



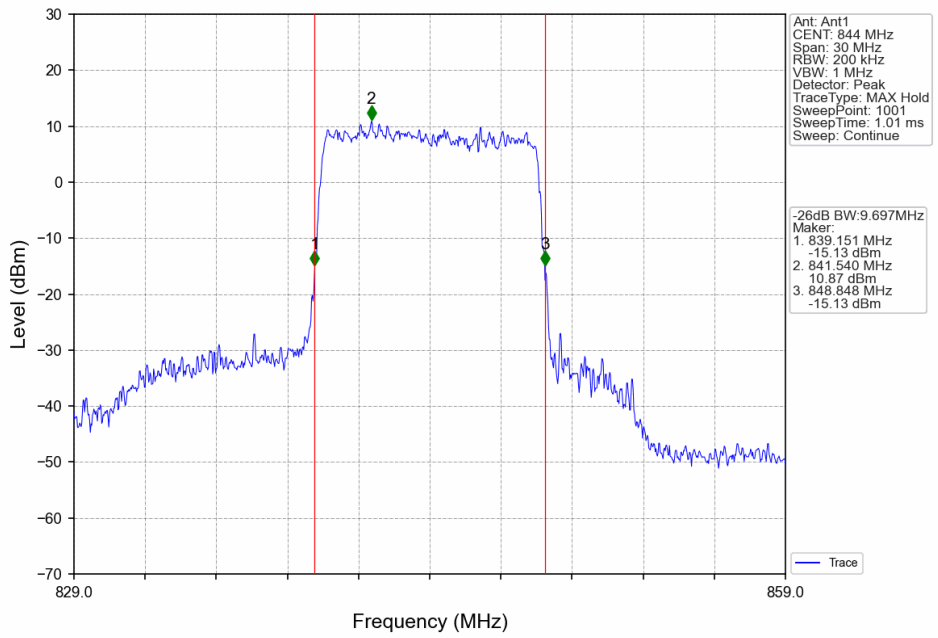
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



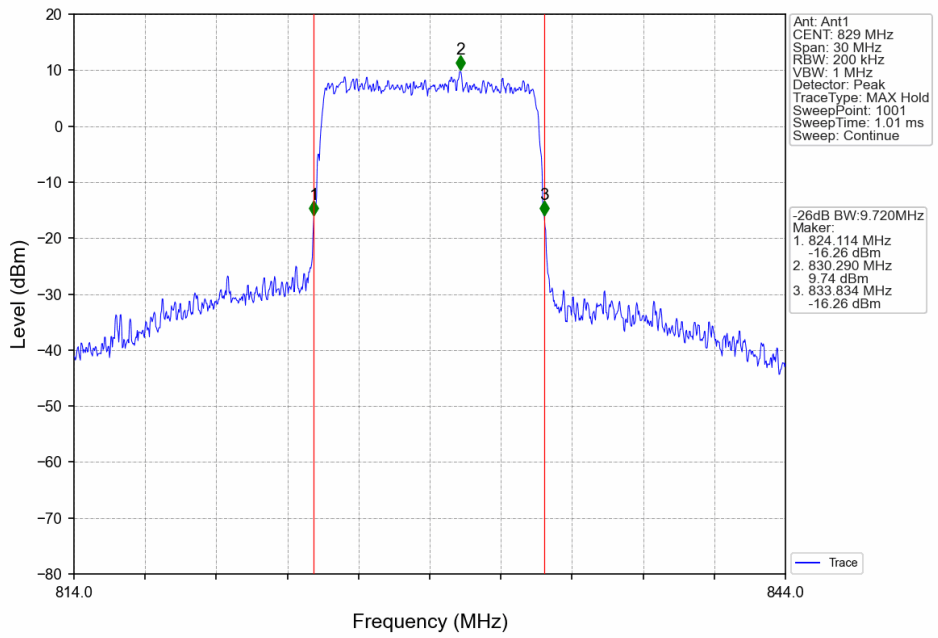
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



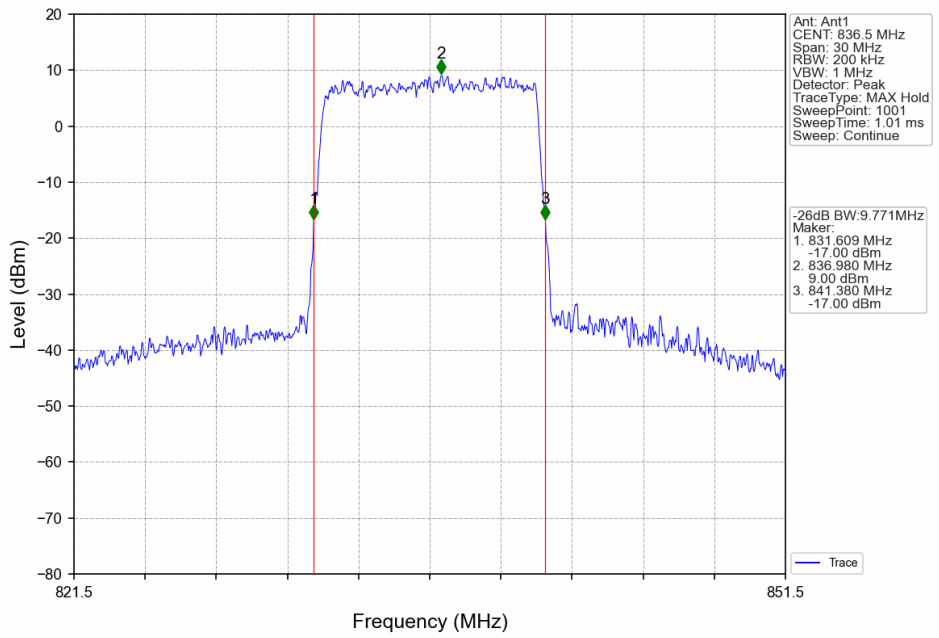
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



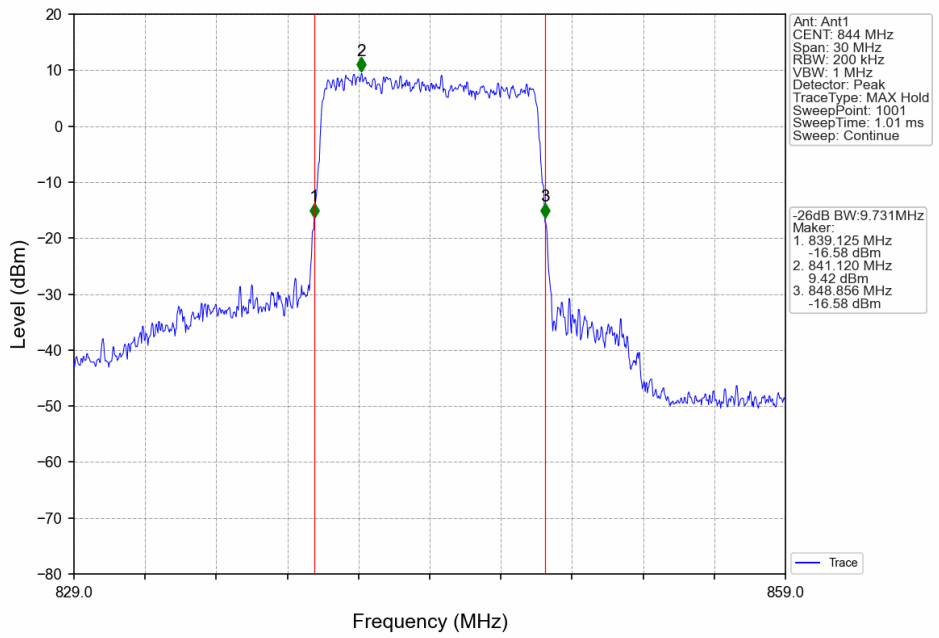
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

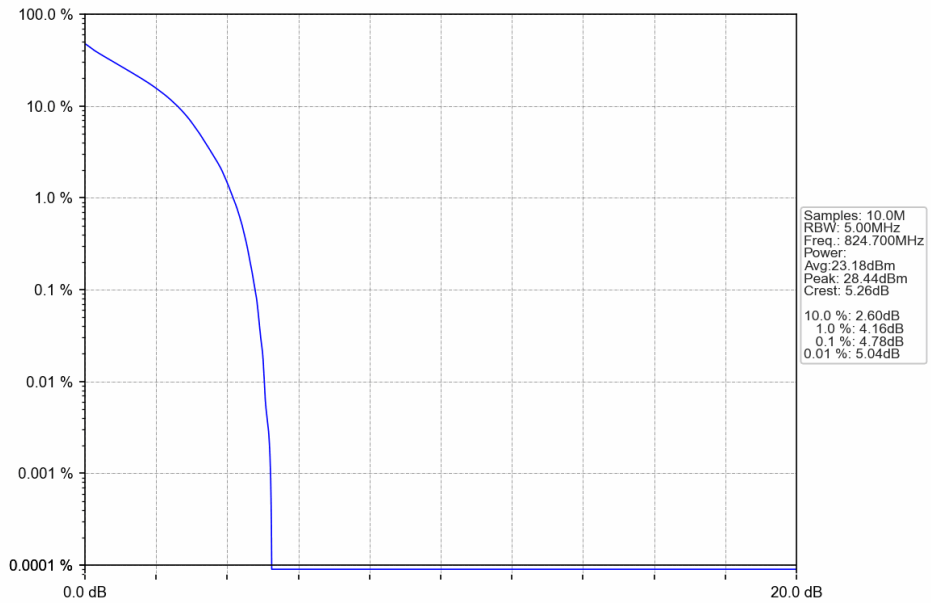
5.1 B5_1.4MHz

5.1.1 Test Result

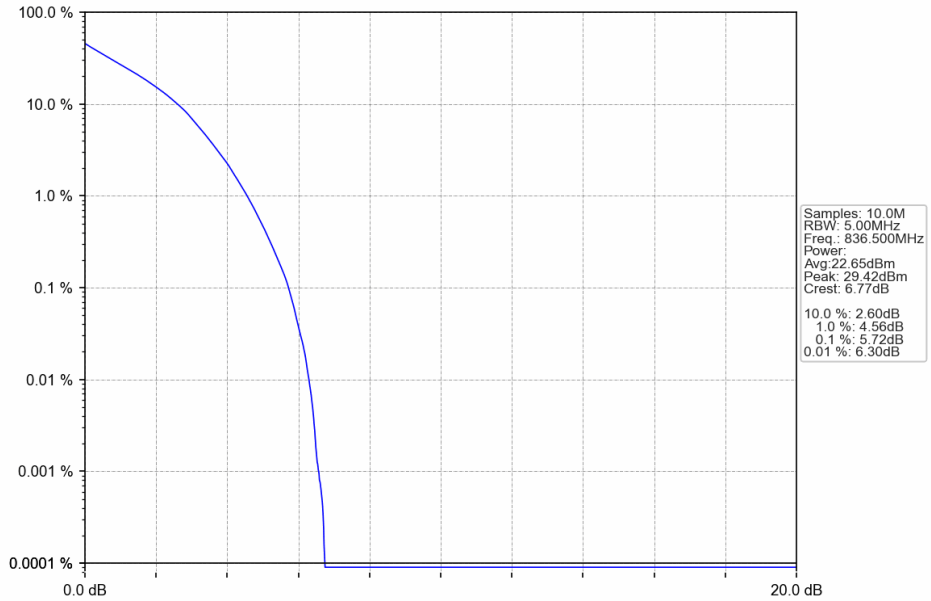
Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.78	<=13	Pass
	836.5	6	0	5.72	<=13	Pass
	848.3	6	0	5.56	<=13	Pass
16QAM	824.7	6	0	5.60	<=13	Pass
	836.5	6	0	6.45	<=13	Pass
	848.3	6	0	6.40	<=13	Pass

5.1.2 Test Graph

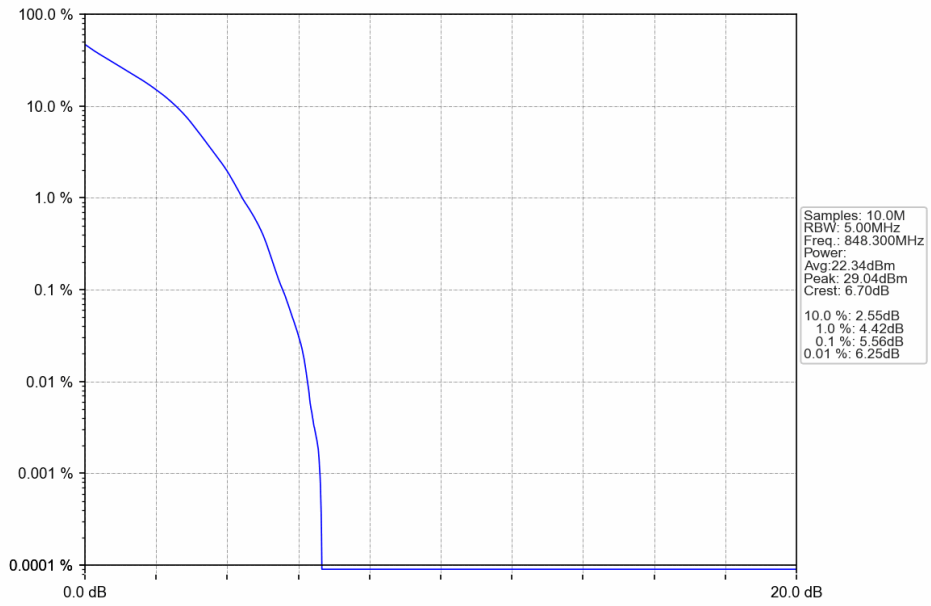
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



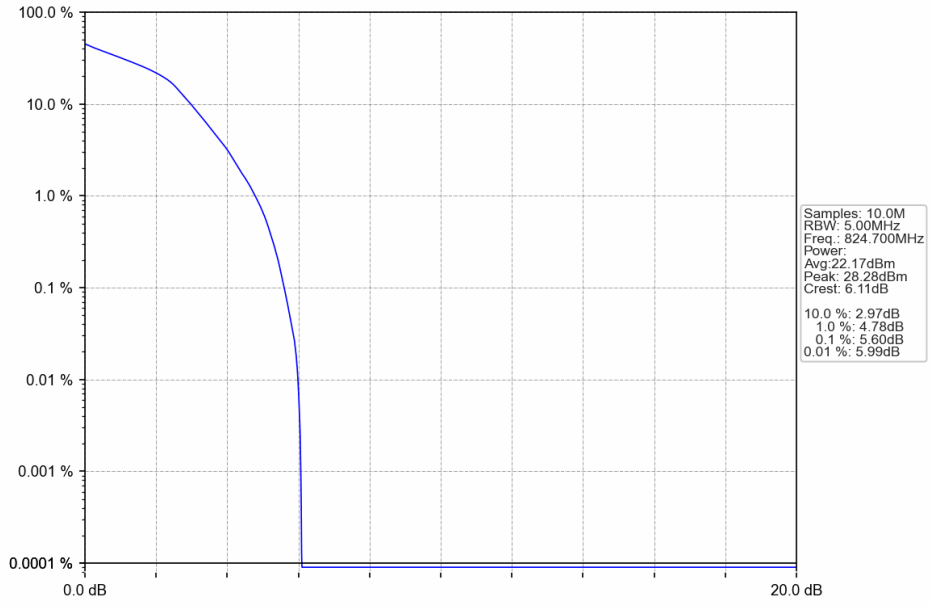
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



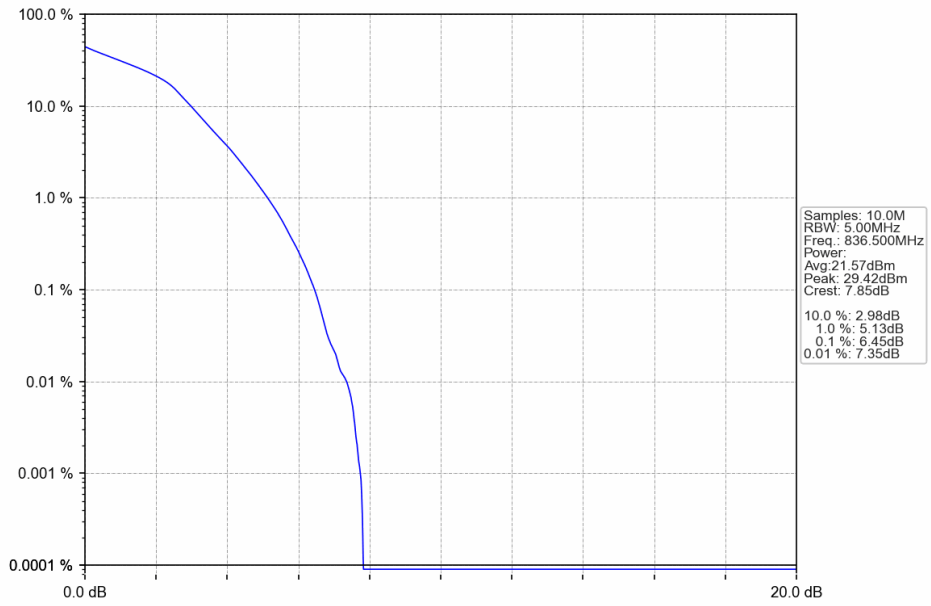
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



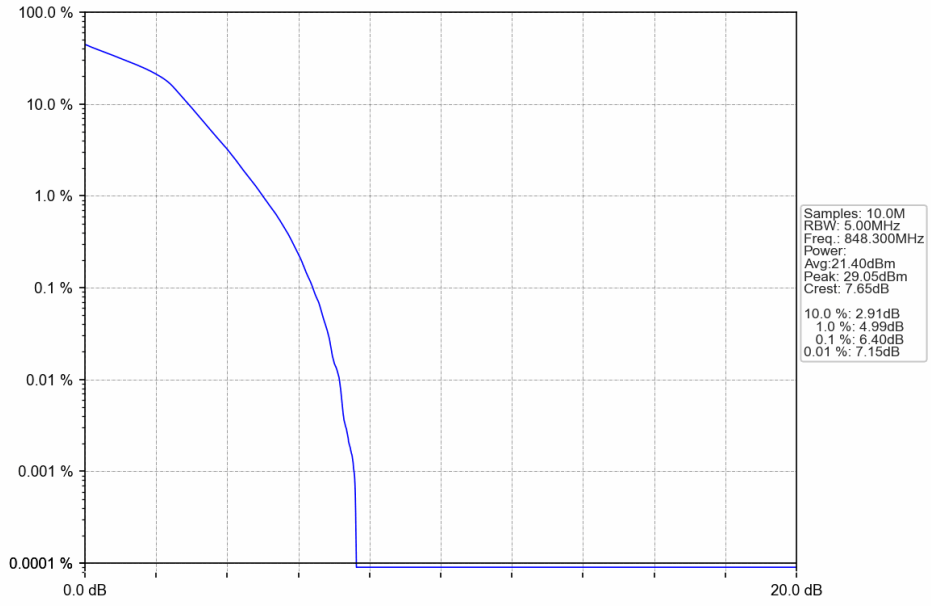
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



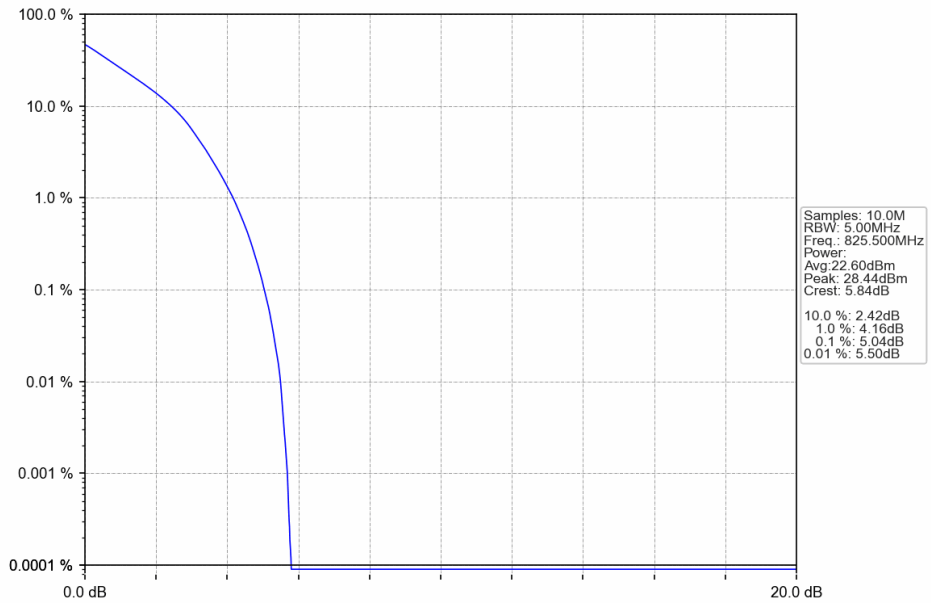
5.2 B5_3MHz

5.2.1 Test Result

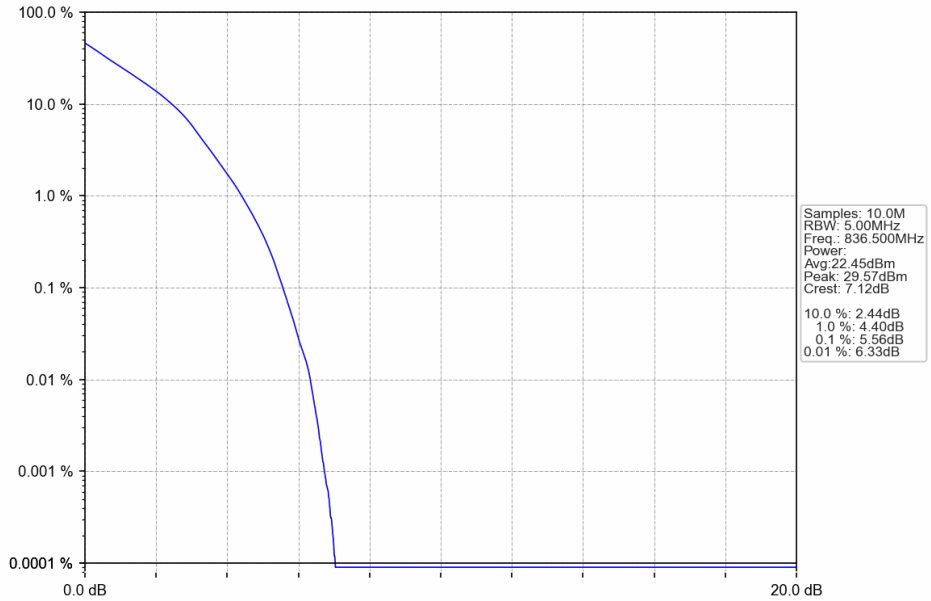
Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.04	<=13	Pass
	836.5	15	0	5.56	<=13	Pass
	847.5	15	0	5.44	<=13	Pass
16QAM	825.5	15	0	5.91	<=13	Pass
	836.5	15	0	6.39	<=13	Pass
	847.5	15	0	6.32	<=13	Pass

5.2.2 Test Graph

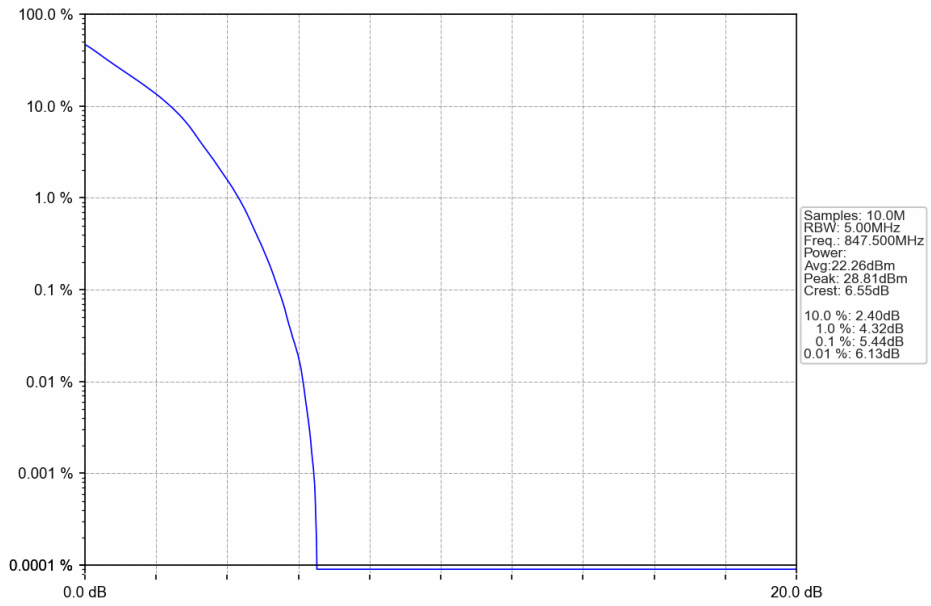
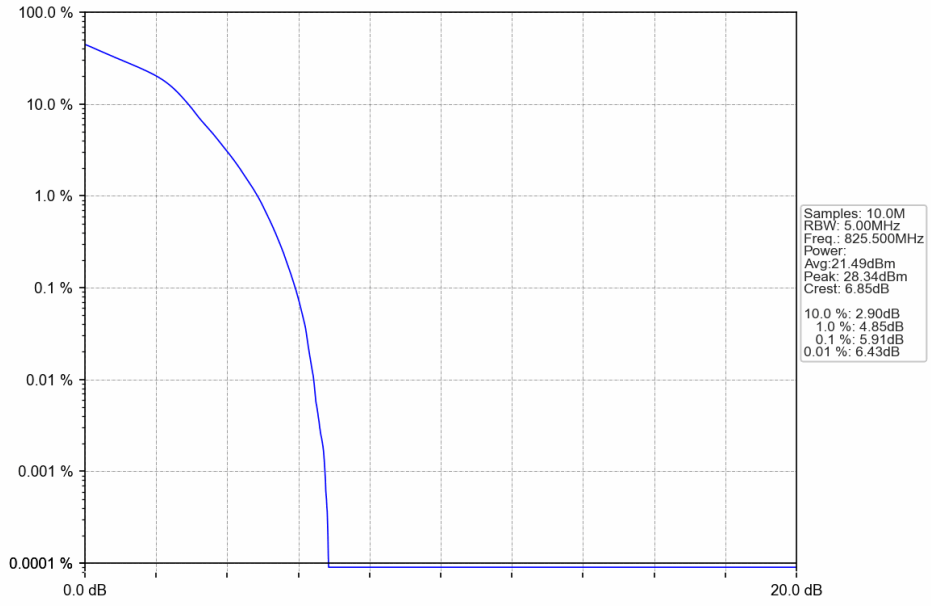
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV