Annex for FCC LTE Band 5

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	22.87	0.00	20.72	<=38.45	Pass
			2	22.92	0.00	20.77	<=38.45	Pass
			5	22.90	0.00	20.75	<=38.45	Pass
		3	0	22.87	0.00	20.72	<=38.45	Pass
			2	22.85	0.00	20.70	<=38.45	Pass
			3	22.88	0.00	20.73	<=38.45	Pass
		6	0	21.89	0.00	19.74	<=38.45	Pass
	836.5	1	0	22.64	0.00	20.49	<=38.45	Pass
			2	22.77	0.00	20.62	<=38.45	Pass
			5	22.75	0.00	20.60	<=38.45	Pass
		3	0	22.86	0.00	20.71	<=38.45	Pass
			2	22.80	0.00	20.65	<=38.45	Pass
			3	22.79	0.00	20.64	<=38.45	Pass
		6	0	21.74	0.00	19.59	<=38.45	Pass
	848.3	1	0	22.75	0.00	20.60	<=38.45	Pass
			2	22.84	0.00	20.69	<=38.45	Pass
			5	22.83	0.00	20.68	<=38.45	Pass
		3	0	22.86	0.00	20.71	<=38.45	Pass
			2	22.80	0.00	20.65	<=38.45	Pass
			3	22.80	0.00	20.65	<=38.45	Pass
		6	0	21.72	0.00	19.57	<=38.45	Pass
16QAM	824.7	1	0	21.86	0.00	19.71	<=38.45	Pass
			2	21.86	0.00	19.71	<=38.45	Pass
			5	21.91	0.00	19.76	<=38.45	Pass
		3	0	21.79	0.00	19.64	<=38.45	Pass
			2	21.84	0.00	19.69	<=38.45	Pass
			3	21.88	0.00	19.73	<=38.45	Pass
		6	0	20.99	0.00	18.84	<=38.45	Pass
	836.5	1	0	21.89	0.00	19.74	<=38.45	Pass
			2	21.93	0.00	19.78	<=38.45	Pass
			5	21.93	0.00	19.78	<=38.45	Pass
		3	0	21.69	0.00	19.54	<=38.45	Pass
			2	21.67	0.00	19.52	<=38.45	Pass
			3	21.66	0.00	19.51	<=38.45	Pass
		6	0	21.14	0.00	18.99	<=38.45	Pass
	848.3	1	0	21.34	0.00	19.19	<=38.45	Pass
			2	21.33	0.00	19.18	<=38.45	Pass
			5	21.38	0.00	19.23	<=38.45	Pass
		3	0	21.51	0.00	19.36	<=38.45	Pass
			2	21.60	0.00	19.45	<=38.45	Pass
			3	21.54	0.00	19.39	<=38.45	Pass
		6	0	20.84	0.00	18.69	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.75	0.00	20.60	<=38.45	Pass
			7	22.74	0.00	20.59	<=38.45	Pass
			14	22.77	0.00	20.62	<=38.45	Pass
		8	0	21.82	0.00	19.67	<=38.45	Pass
			4	21.70	0.00	19.55	<=38.45	Pass
			7	21.80	0.00	19.65	<=38.45	Pass
		15	0	21.73	0.00	19.58	<=38.45	Pass
	836.5	1	0	22.64	0.00	20.49	<=38.45	Pass
			7	22.67	0.00	20.52	<=38.45	Pass
			14	22.65	0.00	20.50	<=38.45	Pass
		8	0	21.71	0.00	19.56	<=38.45	Pass
			4	21.73	0.00	19.58	<=38.45	Pass
			7	21.74	0.00	19.59	<=38.45	Pass
		15	0	21.76	0.00	19.61	<=38.45	Pass
	847.5	1	0	22.91	0.00	20.76	<=38.45	Pass
			7	22.89	0.00	20.74	<=38.45	Pass
			14	22.84	0.00	20.69	<=38.45	Pass
		8	0	21.83	0.00	19.68	<=38.45	Pass
			4	21.76	0.00	19.61	<=38.45	Pass
			7	21.87	0.00	19.72	<=38.45	Pass
		15	0	21.76	0.00	19.61	<=38.45	Pass
16QAM	825.5	1	0	21.92	0.00	19.77	<=38.45	Pass
			7	21.81	0.00	19.66	<=38.45	Pass
			14	21.80	0.00	19.65	<=38.45	Pass
		8	0	21.04	0.00	18.89	<=38.45	Pass
			4	20.98	0.00	18.83	<=38.45	Pass
			7	21.05	0.00	18.90	<=38.45	Pass
		15	0	20.86	0.00	18.71	<=38.45	Pass
	836.5	1	0	21.48	0.00	19.33	<=38.45	Pass
			7	21.48	0.00	19.33	<=38.45	Pass
			14	21.50	0.00	19.35	<=38.45	Pass
		8	0	20.94	0.00	18.79	<=38.45	Pass
			4	21.32	0.00	19.17	<=38.45	Pass
			7	21.32	0.00	19.17	<=38.45	Pass
		15	0	21.18	0.00	19.03	<=38.45	Pass
	847.5	1	0	22.10	0.00	19.95	<=38.45	Pass
			7	22.13	0.00	19.98	<=38.45	Pass
			14	22.13	0.00	19.98	<=38.45	Pass
		8	0	20.88	0.00	18.73	<=38.45	Pass
			4	20.89	0.00	18.74	<=38.45	Pass
			7	20.83	0.00	18.68	<=38.45	Pass
		15	0	20.84	0.00	18.69	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.78	0.00	20.63	<=38.45	Pass
			13	22.78	0.00	20.63	<=38.45	Pass
			24	22.73	0.00	20.58	<=38.45	Pass
		12	0	21.86	0.00	19.71	<=38.45	Pass
			6	21.87	0.00	19.72	<=38.45	Pass
			13	21.78	0.00	19.63	<=38.45	Pass
		25	0	21.82	0.00	19.67	<=38.45	Pass
	836.5	1	0	22.69	0.00	20.54	<=38.45	Pass
			13	22.73	0.00	20.58	<=38.45	Pass
			24	22.61	0.00	20.46	<=38.45	Pass
		12	0	21.84	0.00	19.69	<=38.45	Pass
			6	21.91	0.00	19.76	<=38.45	Pass
			13	21.82	0.00	19.67	<=38.45	Pass
		25	0	21.85	0.00	19.70	<=38.45	Pass
	846.5	1	0	22.87	0.00	20.72	<=38.45	Pass
			13	22.81	0.00	20.66	<=38.45	Pass
			24	22.80	0.00	20.65	<=38.45	Pass
		12	0	21.87	0.00	19.72	<=38.45	Pass
			6	21.88	0.00	19.73	<=38.45	Pass
			13	21.84	0.00	19.69	<=38.45	Pass
		25	0	21.78	0.00	19.63	<=38.45	Pass
16QAM	826.5	1	0	21.07	0.00	18.92	<=38.45	Pass
			13	21.01	0.00	18.86	<=38.45	Pass
			24	21.03	0.00	18.88	<=38.45	Pass
		12	0	20.84	0.00	18.69	<=38.45	Pass
			6	20.83	0.00	18.68	<=38.45	Pass
			13	20.82	0.00	18.67	<=38.45	Pass
		25	0	20.96	0.00	18.81	<=38.45	Pass
	836.5	1	0	21.93	0.00	19.78	<=38.45	Pass
			13	21.90	0.00	19.75	<=38.45	Pass
			24	21.90	0.00	19.75	<=38.45	Pass
		12	0	20.87	0.00	18.72	<=38.45	Pass
			6	21.20	0.00	19.05	<=38.45	Pass
			13	21.18	0.00	19.03	<=38.45	Pass
		25	0	21.19	0.00	19.04	<=38.45	Pass
	846.5	1	0	21.88	0.00	19.73	<=38.45	Pass
			13	21.93	0.00	19.78	<=38.45	Pass
			24	21.97	0.00	19.82	<=38.45	Pass
		12	0	20.94	0.00	18.79	<=38.45	Pass
			6	20.91	0.00	18.76	<=38.45	Pass
			13	20.92	0.00	18.77	<=38.45	Pass
		25	0	20.90	0.00	18.75	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.92	0.00	20.77	<=38.45	Pass
			25	22.85	0.00	20.70	<=38.45	Pass
			49	22.73	0.00	20.58	<=38.45	Pass
		25	0	21.87	0.00	19.72	<=38.45	Pass
			13	21.89	0.00	19.74	<=38.45	Pass
			25	21.77	0.00	19.62	<=38.45	Pass
		50	0	21.84	0.00	19.69	<=38.45	Pass
	836.5	1	0	22.85	0.00	20.70	<=38.45	Pass
			25	22.80	0.00	20.65	<=38.45	Pass
			49	22.88	0.00	20.73	<=38.45	Pass
		25	0	21.85	0.00	19.70	<=38.45	Pass
			13	21.85	0.00	19.70	<=38.45	Pass
			25	21.88	0.00	19.73	<=38.45	Pass
		50	0	21.87	0.00	19.72	<=38.45	Pass
	844	1	0	22.86	0.00	20.71	<=38.45	Pass
			25	22.95	0.00	20.80	<=38.45	Pass
			49	22.97	0.00	20.82	<=38.45	Pass
		25	0	21.95	0.00	19.80	<=38.45	Pass
			13	21.85	0.00	19.70	<=38.45	Pass
			25	21.87	0.00	19.72	<=38.45	Pass
		50	0	21.88	0.00	19.73	<=38.45	Pass
16QAM	829	1	0	22.30	0.00	20.15	<=38.45	Pass
			25	22.27	0.00	20.12	<=38.45	Pass
			49	22.19	0.00	20.04	<=38.45	Pass
		25	0	20.93	0.00	18.78	<=38.45	Pass
			13	21.22	0.00	19.07	<=38.45	Pass
			25	21.18	0.00	19.03	<=38.45	Pass
		50	0	21.24	0.00	19.09	<=38.45	Pass
	836.5	1	0	21.35	0.00	19.20	<=38.45	Pass
			25	21.39	0.00	19.24	<=38.45	Pass
			49	21.38	0.00	19.23	<=38.45	Pass
		25	0	21.06	0.00	18.91	<=38.45	Pass
			13	21.32	0.00	19.17	<=38.45	Pass
			25	21.06	0.00	18.91	<=38.45	Pass
		50	0	21.17	0.00	19.02	<=38.45	Pass
	844	1	0	22.00	0.00	19.85	<=38.45	Pass
			25	22.00	0.00	19.85	<=38.45	Pass
			49	22.03	0.00	19.88	<=38.45	Pass
		25	0	21.06	0.00	18.91	<=38.45	Pass
			13	20.98	0.00	18.83	<=38.45	Pass
			25	21.00	0.00	18.85	<=38.45	Pass
		50	0	20.96	0.00	18.81	<=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	3.15	-38.867	-0.0471	-2.5 to 2.5	Pass
					3.7	-40.956	-0.0497	-2.5 to 2.5	Pass
					4.26	-27.680	-0.0336	-2.5 to 2.5	Pass
				-30	3.7	-42.114	-0.0511	-2.5 to 2.5	Pass
				-20	3.7	-27.366	-0.0332	-2.5 to 2.5	Pass
				-10	3.7	-7.381	-0.0089	-2.5 to 2.5	Pass
				0	3.7	-29.597	-0.0359	-2.5 to 2.5	Pass
				10	3.7	-45.633	-0.0553	-2.5 to 2.5	Pass
				30	3.7	-12.331	-0.0150	-2.5 to 2.5	Pass
				40	3.7	-24.390	-0.0296	-2.5 to 2.5	Pass
				50	3.7	-38.595	-0.0468	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	2.961	0.0035	-2.5 to 2.5	Pass
					3.7	-0.629	-0.0008	-2.5 to 2.5	Pass
					4.26	-44.632	-0.0534	-2.5 to 2.5	Pass
				-30	3.7	-32.015	-0.0383	-2.5 to 2.5	Pass
				-20	3.7	-4.692	-0.0056	-2.5 to 2.5	Pass
				-10	3.7	-21.687	-0.0259	-2.5 to 2.5	Pass
				0	3.7	-34.332	-0.0410	-2.5 to 2.5	Pass
				10	3.7	-2.975	-0.0036	-2.5 to 2.5	Pass
				30	3.7	-13.776	-0.0165	-2.5 to 2.5	Pass
				40	3.7	-21.858	-0.0261	-2.5 to 2.5	Pass
				50	3.7	-28.625	-0.0342	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	13.289	0.0157	-2.5 to 2.5	Pass
					3.7	-16.007	-0.0189	-2.5 to 2.5	Pass
					4.26	-41.428	-0.0488	-2.5 to 2.5	Pass
				-30	3.7	-7.381	-0.0087	-2.5 to 2.5	Pass
				-20	3.7	-21.372	-0.0252	-2.5 to 2.5	Pass
				-10	3.7	-28.481	-0.0336	-2.5 to 2.5	Pass
				0	3.7	-35.048	-0.0413	-2.5 to 2.5	Pass
				10	3.7	-40.598	-0.0479	-2.5 to 2.5	Pass
				30	3.7	-46.391	-0.0547	-2.5 to 2.5	Pass
				40	3.7	-3.576	-0.0042	-2.5 to 2.5	Pass
				50	3.7	-9.570	-0.0113	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.15	3.648	0.0044	-2.5 to 2.5	Pass
					3.7	7.768	0.0094	-2.5 to 2.5	Pass
					4.26	11.387	0.0138	-2.5 to 2.5	Pass
				-30	3.7	10.686	0.0130	-2.5 to 2.5	Pass
				-20	3.7	7.796	0.0095	-2.5 to 2.5	Pass
				-10	3.7	5.708	0.0069	-2.5 to 2.5	Pass
				0	3.7	3.819	0.0046	-2.5 to 2.5	Pass
				10	3.7	1.302	0.0016	-2.5 to 2.5	Pass
				30	3.7	-2.489	-0.0030	-2.5 to 2.5	Pass
				40	3.7	-6.580	-0.0080	-2.5 to 2.5	Pass
				50	3.7	-11.415	-0.0138	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	-38.037	-0.0455	-2.5 to 2.5	Pass
					3.7	-35.448	-0.0424	-2.5 to 2.5	Pass
					4.26	-32.616	-0.0390	-2.5 to 2.5	Pass
				-30	3.7	-32.158	-0.0384	-2.5 to 2.5	Pass
				-20	3.7	-35.634	-0.0426	-2.5 to 2.5	Pass
				-10	3.7	-37.179	-0.0444	-2.5 to 2.5	Pass

				0	3.7	-42.000	-0.0502	-2.5 to 2.5	Pass
				10	3.7	3.719	0.0044	-2.5 to 2.5	Pass
				30	3.7	0.744	0.0009	-2.5 to 2.5	Pass
				40	3.7	-1.287	-0.0015	-2.5 to 2.5	Pass
				50	3.7	-4.921	-0.0059	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	-14.992	-0.0177	-2.5 to 2.5	Pass
					3.7	0.057	0.0001	-2.5 to 2.5	Pass
					4.26	8.798	0.0104	-2.5 to 2.5	Pass
				-30	3.7	12.388	0.0146	-2.5 to 2.5	Pass
				-20	3.7	15.035	0.0177	-2.5 to 2.5	Pass
				-10	3.7	18.668	0.0220	-2.5 to 2.5	Pass
				0	3.7	18.139	0.0214	-2.5 to 2.5	Pass
				10	3.7	18.754	0.0221	-2.5 to 2.5	Pass
				30	3.7	14.606	0.0172	-2.5 to 2.5	Pass
				40	3.7	15.306	0.0180	-2.5 to 2.5	Pass
				50	3.7	13.604	0.0160	-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	3.15	8.411	0.0102	-2.5 to 2.5	Pass
					3.7	0.443	0.0005	-2.5 to 2.5	Pass
					4.26	-12.102	-0.0147	-2.5 to 2.5	Pass
				-30	3.7	-19.627	-0.0238	-2.5 to 2.5	Pass
				-20	3.7	-23.532	-0.0285	-2.5 to 2.5	Pass
				-10	3.7	-22.531	-0.0273	-2.5 to 2.5	Pass
				0	3.7	-44.174	-0.0535	-2.5 to 2.5	Pass
				10	3.7	-9.284	-0.0112	-2.5 to 2.5	Pass
				30	3.7	-12.188	-0.0148	-2.5 to 2.5	Pass
				40	3.7	-13.504	-0.0164	-2.5 to 2.5	Pass
				50	3.7	-18.082	-0.0219	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	21.429	0.0256	-2.5 to 2.5	Pass
					3.7	-23.875	-0.0285	-2.5 to 2.5	Pass
					4.26	-18.983	-0.0227	-2.5 to 2.5	Pass
				-30	3.7	-41.285	-0.0494	-2.5 to 2.5	Pass
				-20	3.7	-7.811	-0.0093	-2.5 to 2.5	Pass
				-10	3.7	-21.915	-0.0262	-2.5 to 2.5	Pass
				0	3.7	-33.174	-0.0397	-2.5 to 2.5	Pass
				10	3.7	-36.149	-0.0432	-2.5 to 2.5	Pass
				30	3.7	-44.689	-0.0534	-2.5 to 2.5	Pass
				40	3.7	0.801	0.0010	-2.5 to 2.5	Pass
				50	3.7	-3.004	-0.0036	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	20.943	0.0247	-2.5 to 2.5	Pass
					3.7	3.619	0.0043	-2.5 to 2.5	Pass
					4.26	-7.281	-0.0086	-2.5 to 2.5	Pass
				-30	3.7	-12.417	-0.0147	-2.5 to 2.5	Pass
				-20	3.7	-18.053	-0.0213	-2.5 to 2.5	Pass
				-10	3.7	-18.096	-0.0214	-2.5 to 2.5	Pass
				0	3.7	-19.140	-0.0226	-2.5 to 2.5	Pass
				10	3.7	-20.113	-0.0237	-2.5 to 2.5	Pass
				30	3.7	-19.383	-0.0229	-2.5 to 2.5	Pass
				40	3.7	-18.725	-0.0221	-2.5 to 2.5	Pass
				50	3.7	-18.497	-0.0218	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.15	-23.403	-0.0284	-2.5 to 2.5	Pass
					3.7	-16.150	-0.0196	-2.5 to 2.5	Pass
					4.26	-14.205	-0.0172	-2.5 to 2.5	Pass

				-30	3.7	-14.205	-0.0172	-2.5 to 2.5	Pass
				-20	3.7	-14.091	-0.0171	-2.5 to 2.5	Pass
				-10	3.7	-16.365	-0.0198	-2.5 to 2.5	Pass
				0	3.7	-19.197	-0.0233	-2.5 to 2.5	Pass
				10	3.7	-21.987	-0.0266	-2.5 to 2.5	Pass
				30	3.7	-27.566	-0.0334	-2.5 to 2.5	Pass
				40	3.7	-28.124	-0.0341	-2.5 to 2.5	Pass
				50	3.7	-31.528	-0.0382	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	-7.625	-0.0091	-2.5 to 2.5	Pass
					3.7	-6.552	-0.0078	-2.5 to 2.5	Pass
					4.26	-2.875	-0.0034	-2.5 to 2.5	Pass
				-30	3.7	-2.890	-0.0035	-2.5 to 2.5	Pass
				-20	3.7	-1.645	-0.0020	-2.5 to 2.5	Pass
				-10	3.7	-3.376	-0.0040	-2.5 to 2.5	Pass
				0	3.7	-3.691	-0.0044	-2.5 to 2.5	Pass
				10	3.7	-6.766	-0.0081	-2.5 to 2.5	Pass
				30	3.7	-7.782	-0.0093	-2.5 to 2.5	Pass
				40	3.7	-9.613	-0.0115	-2.5 to 2.5	Pass
				50	3.7	-8.426	-0.0101	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	-16.351	-0.0193	-2.5 to 2.5	Pass
					3.7	-17.395	-0.0205	-2.5 to 2.5	Pass
					4.26	-13.046	-0.0154	-2.5 to 2.5	Pass
				-30	3.7	-12.889	-0.0152	-2.5 to 2.5	Pass
				-20	3.7	-17.381	-0.0205	-2.5 to 2.5	Pass
				-10	3.7	-13.690	-0.0162	-2.5 to 2.5	Pass
				0	3.7	-11.301	-0.0133	-2.5 to 2.5	Pass
				10	3.7	-11.215	-0.0132	-2.5 to 2.5	Pass
				30	3.7	-12.660	-0.0149	-2.5 to 2.5	Pass
				40	3.7	-11.587	-0.0137	-2.5 to 2.5	Pass
				50	3.7	-14.319	-0.0169	-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	3.15	27.308	0.0330	-2.5 to 2.5	Pass
					3.7	28.553	0.0345	-2.5 to 2.5	Pass
					4.26	25.735	0.0311	-2.5 to 2.5	Pass
				-30	3.7	24.819	0.0300	-2.5 to 2.5	Pass
				-20	3.7	22.531	0.0273	-2.5 to 2.5	Pass
				-10	3.7	24.948	0.0302	-2.5 to 2.5	Pass
				0	3.7	24.905	0.0301	-2.5 to 2.5	Pass
				10	3.7	23.532	0.0285	-2.5 to 2.5	Pass
				30	3.7	24.877	0.0301	-2.5 to 2.5	Pass
				40	3.7	22.874	0.0277	-2.5 to 2.5	Pass
				50	3.7	24.276	0.0294	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	12.631	0.0151	-2.5 to 2.5	Pass
					3.7	-11.716	-0.0140	-2.5 to 2.5	Pass
					4.26	-29.325	-0.0351	-2.5 to 2.5	Pass
				-30	3.7	-35.505	-0.0424	-2.5 to 2.5	Pass
				-20	3.7	-39.253	-0.0469	-2.5 to 2.5	Pass
				-10	3.7	-41.914	-0.0501	-2.5 to 2.5	Pass
				0	3.7	-44.045	-0.0527	-2.5 to 2.5	Pass
				10	3.7	-42.071	-0.0503	-2.5 to 2.5	Pass
				30	3.7	-43.831	-0.0524	-2.5 to 2.5	Pass
				40	3.7	-43.244	-0.0517	-2.5 to 2.5	Pass
				50	3.7	-41.928	-0.0501	-2.5 to 2.5	Pass

	846.5	25	0	20	3.15	1.674	0.0020	-2.5 to 2.5	Pass
					3.7	-4.520	-0.0053	-2.5 to 2.5	Pass
					4.26	-6.323	-0.0075	-2.5 to 2.5	Pass
				-30	3.7	-3.963	-0.0047	-2.5 to 2.5	Pass
				-20	3.7	-4.148	-0.0049	-2.5 to 2.5	Pass
				-10	3.7	-3.033	-0.0036	-2.5 to 2.5	Pass
				0	3.7	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.7	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	3.7	1.116	0.0013	-2.5 to 2.5	Pass
				40	3.7	3.147	0.0037	-2.5 to 2.5	Pass
				50	3.7	3.533	0.0042	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.15	23.246	0.0281	-2.5 to 2.5	Pass
					3.7	32.229	0.0390	-2.5 to 2.5	Pass
					4.26	36.635	0.0443	-2.5 to 2.5	Pass
				-30	3.7	42.086	0.0509	-2.5 to 2.5	Pass
				-20	3.7	-5.350	-0.0065	-2.5 to 2.5	Pass
				-10	3.7	-1.974	-0.0024	-2.5 to 2.5	Pass
				0	3.7	0.815	0.0010	-2.5 to 2.5	Pass
				10	3.7	0.644	0.0008	-2.5 to 2.5	Pass
				30	3.7	0.429	0.0005	-2.5 to 2.5	Pass
				40	3.7	2.832	0.0034	-2.5 to 2.5	Pass
				50	3.7	3.347	0.0040	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	-39.482	-0.0472	-2.5 to 2.5	Pass
					3.7	-39.968	-0.0478	-2.5 to 2.5	Pass
					4.26	-40.441	-0.0483	-2.5 to 2.5	Pass
				-30	3.7	-38.753	-0.0463	-2.5 to 2.5	Pass
				-20	3.7	-36.292	-0.0434	-2.5 to 2.5	Pass
				-10	3.7	-37.508	-0.0448	-2.5 to 2.5	Pass
				0	3.7	-35.605	-0.0426	-2.5 to 2.5	Pass
				10	3.7	-34.533	-0.0413	-2.5 to 2.5	Pass
				30	3.7	-32.873	-0.0393	-2.5 to 2.5	Pass
				40	3.7	-33.946	-0.0406	-2.5 to 2.5	Pass
				50	3.7	-34.833	-0.0416	-2.5 to 2.5	Pass
	846.5	25	0	20	3.15	4.392	0.0052	-2.5 to 2.5	Pass
					3.7	1.831	0.0022	-2.5 to 2.5	Pass
					4.26	-0.257	-0.0003	-2.5 to 2.5	Pass
				-30	3.7	-0.358	-0.0004	-2.5 to 2.5	Pass
				-20	3.7	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.7	-1.860	-0.0022	-2.5 to 2.5	Pass
				0	3.7	-2.289	-0.0027	-2.5 to 2.5	Pass
				10	3.7	-1.073	-0.0013	-2.5 to 2.5	Pass
				30	3.7	-3.061	-0.0036	-2.5 to 2.5	Pass
				40	3.7	-2.146	-0.0025	-2.5 to 2.5	Pass
				50	3.7	-0.372	-0.0004	-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	3.15	27.151	0.0328	-2.5 to 2.5	Pass
					3.7	3.448	0.0042	-2.5 to 2.5	Pass
					4.26	-3.290	-0.0040	-2.5 to 2.5	Pass
				-30	3.7	-4.635	-0.0056	-2.5 to 2.5	Pass
				-20	3.7	-3.133	-0.0038	-2.5 to 2.5	Pass
				-10	3.7	-1.903	-0.0023	-2.5 to 2.5	Pass
				0	3.7	-1.831	-0.0022	-2.5 to 2.5	Pass
				10	3.7	-0.858	-0.0010	-2.5 to 2.5	Pass

				30	3.7	1.502	0.0018	-2.5 to 2.5	Pass
				40	3.7	1.945	0.0023	-2.5 to 2.5	Pass
				50	3.7	2.489	0.0030	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	-3.905	-0.0047	-2.5 to 2.5	Pass
					3.7	-7.167	-0.0086	-2.5 to 2.5	Pass
					4.26	-2.990	-0.0036	-2.5 to 2.5	Pass
				-30	3.7	1.044	0.0012	-2.5 to 2.5	Pass
				-20	3.7	2.217	0.0027	-2.5 to 2.5	Pass
				-10	3.7	3.619	0.0043	-2.5 to 2.5	Pass
				0	3.7	6.723	0.0080	-2.5 to 2.5	Pass
				10	3.7	7.968	0.0095	-2.5 to 2.5	Pass
				30	3.7	9.556	0.0114	-2.5 to 2.5	Pass
				40	3.7	10.600	0.0127	-2.5 to 2.5	Pass
				50	3.7	13.533	0.0162	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-1.273	-0.0015	-2.5 to 2.5	Pass
					3.7	0.687	0.0008	-2.5 to 2.5	Pass
					4.26	8.268	0.0098	-2.5 to 2.5	Pass
				-30	3.7	9.599	0.0114	-2.5 to 2.5	Pass
				-20	3.7	8.068	0.0096	-2.5 to 2.5	Pass
				-10	3.7	1.788	0.0021	-2.5 to 2.5	Pass
				0	3.7	-2.389	-0.0028	-2.5 to 2.5	Pass
				10	3.7	-7.610	-0.0090	-2.5 to 2.5	Pass
				30	3.7	-17.738	-0.0210	-2.5 to 2.5	Pass
				40	3.7	-34.046	-0.0403	-2.5 to 2.5	Pass
				50	3.7	-42.915	-0.0508	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.15	5.822	0.0070	-2.5 to 2.5	Pass
					3.7	3.819	0.0046	-2.5 to 2.5	Pass
					4.26	3.619	0.0044	-2.5 to 2.5	Pass
				-30	3.7	1.173	0.0014	-2.5 to 2.5	Pass
				-20	3.7	0.730	0.0009	-2.5 to 2.5	Pass
				-10	3.7	1.988	0.0024	-2.5 to 2.5	Pass
				0	3.7	0.372	0.0004	-2.5 to 2.5	Pass
				10	3.7	0.701	0.0008	-2.5 to 2.5	Pass
				30	3.7	0.243	0.0003	-2.5 to 2.5	Pass
				40	3.7	0.472	0.0006	-2.5 to 2.5	Pass
				50	3.7	2.418	0.0029	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	13.375	0.0160	-2.5 to 2.5	Pass
					3.7	12.746	0.0152	-2.5 to 2.5	Pass
					4.26	8.111	0.0097	-2.5 to 2.5	Pass
				-30	3.7	7.782	0.0093	-2.5 to 2.5	Pass
				-20	3.7	5.937	0.0071	-2.5 to 2.5	Pass
				-10	3.7	5.279	0.0063	-2.5 to 2.5	Pass
				0	3.7	6.008	0.0072	-2.5 to 2.5	Pass
				10	3.7	4.292	0.0051	-2.5 to 2.5	Pass
				30	3.7	4.492	0.0054	-2.5 to 2.5	Pass
				40	3.7	4.063	0.0049	-2.5 to 2.5	Pass
				50	3.7	3.934	0.0047	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-5.264	-0.0062	-2.5 to 2.5	Pass
					3.7	5.207	0.0062	-2.5 to 2.5	Pass
					4.26	5.493	0.0065	-2.5 to 2.5	Pass
				-30	3.7	2.046	0.0024	-2.5 to 2.5	Pass
				-20	3.7	-6.881	-0.0082	-2.5 to 2.5	Pass
				-10	3.7	-12.746	-0.0151	-2.5 to 2.5	Pass
				0	3.7	-19.484	-0.0231	-2.5 to 2.5	Pass
				10	3.7	-25.535	-0.0303	-2.5 to 2.5	Pass
				30	3.7	-18.597	-0.0220	-2.5 to 2.5	Pass
				40	3.7	-21.029	-0.0249	-2.5 to 2.5	Pass
				50	3.7	-18.396	-0.0218	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_99% Occupied Bandwidth

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	1.115	/	Pass
		836.5	6	0	1.111	/	Pass
		848.3	6	0	1.111	/	Pass
	16QAM	824.7	6	0	1.120	/	Pass
		836.5	6	0	1.116	/	Pass
		848.3	6	0	1.105	/	Pass
3	QPSK	825.5	15	0	2.751	/	Pass
		836.5	15	0	2.764	/	Pass
		847.5	15	0	2.750	/	Pass
	16QAM	825.5	15	0	2.774	/	Pass
		836.5	15	0	2.758	/	Pass
		847.5	15	0	2.756	/	Pass
5	QPSK	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.541	/	Pass
		846.5	25	0	4.559	/	Pass
	16QAM	826.5	25	0	4.522	/	Pass
		836.5	25	0	4.555	/	Pass
		846.5	25	0	4.576	/	Pass
10	QPSK	829	50	0	9.074	/	Pass
		836.5	50	0	9.083	/	Pass
		844	50	0	9.053	/	Pass
	16QAM	829	50	0	9.100	/	Pass
		836.5	50	0	9.072	/	Pass
		844	50	0	9.051	/	Pass

3.1.2 Band5_26dB Occupied Bandwidth

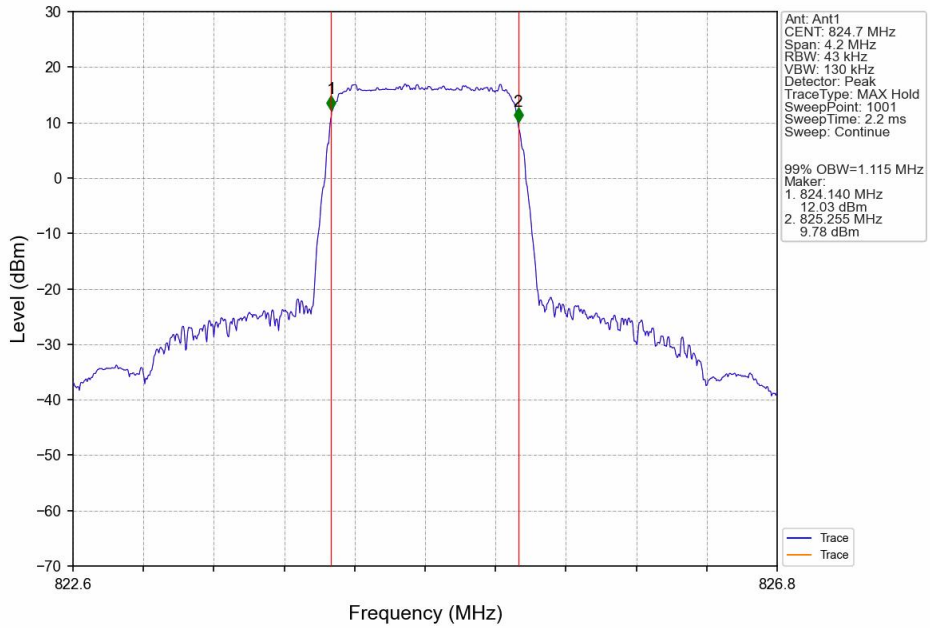
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.268	/	Pass
		836.5	6	0	1.274	/	Pass
		848.3	6	0	1.271	/	Pass
	16QAM	824.7	6	0	1.275	/	Pass
		836.5	6	0	1.280	/	Pass
		848.3	6	0	1.276	/	Pass
3	QPSK	825.5	15	0	3.104	/	Pass
		836.5	15	0	3.117	/	Pass
		847.5	15	0	3.084	/	Pass
	16QAM	825.5	15	0	3.094	/	Pass
		836.5	15	0	3.113	/	Pass
		847.5	15	0	3.116	/	Pass
5	QPSK	826.5	25	0	5.055	/	Pass
		836.5	25	0	5.062	/	Pass
		846.5	25	0	5.053	/	Pass
	16QAM	826.5	25	0	5.038	/	Pass
		836.5	25	0	5.079	/	Pass
		846.5	25	0	5.076	/	Pass
10	QPSK	829	50	0	10.084	/	Pass

		836.5	50	0	10.019	/	Pass
		844	50	0	9.913	/	Pass
	16QAM	829	50	0	10.071	/	Pass
		836.5	50	0	10.025	/	Pass
		844	50	0	10.030	/	Pass

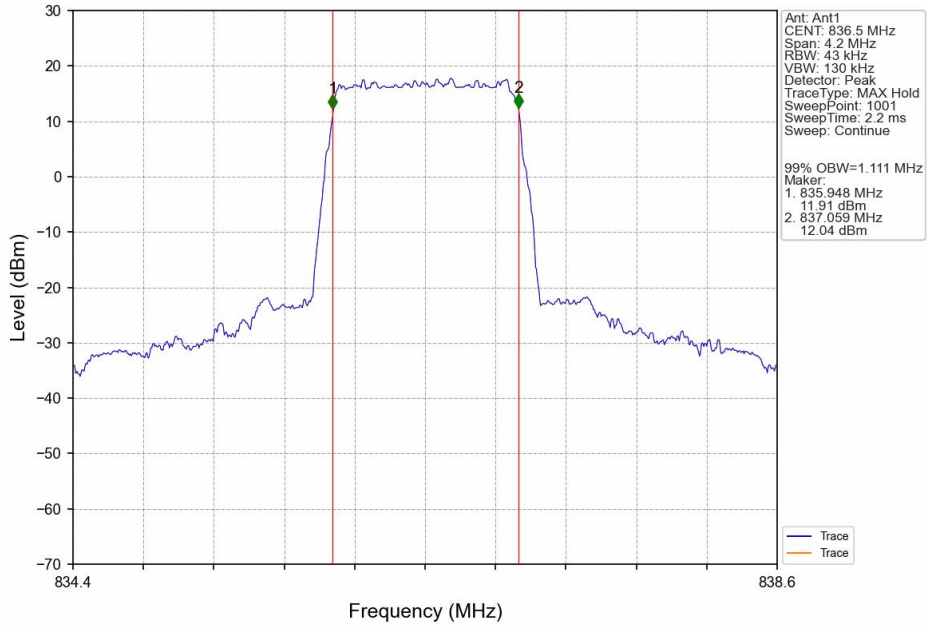
3.2 Test Graph

3.2.1 Band5_99% Occupied Bandwidth

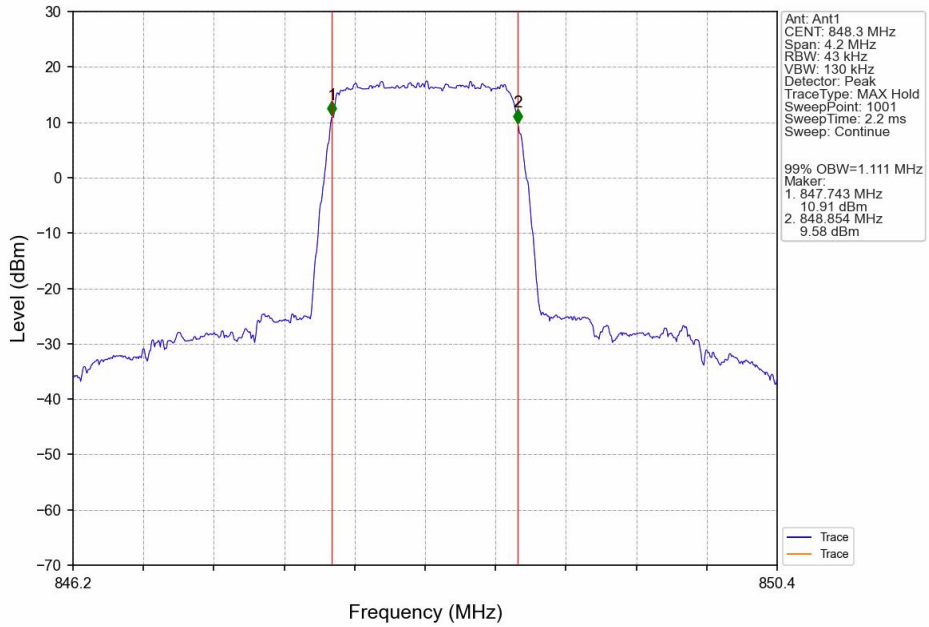
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



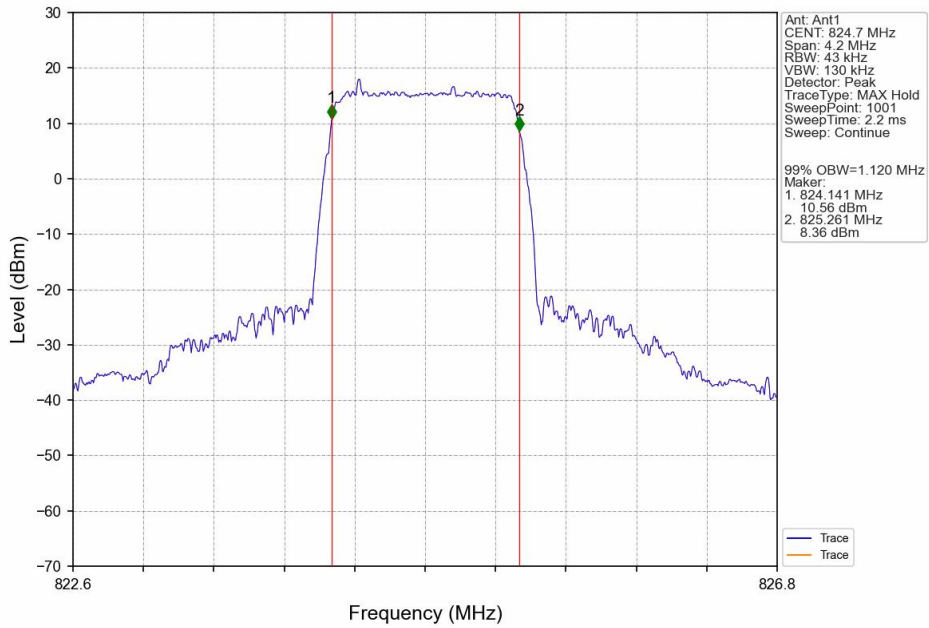
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



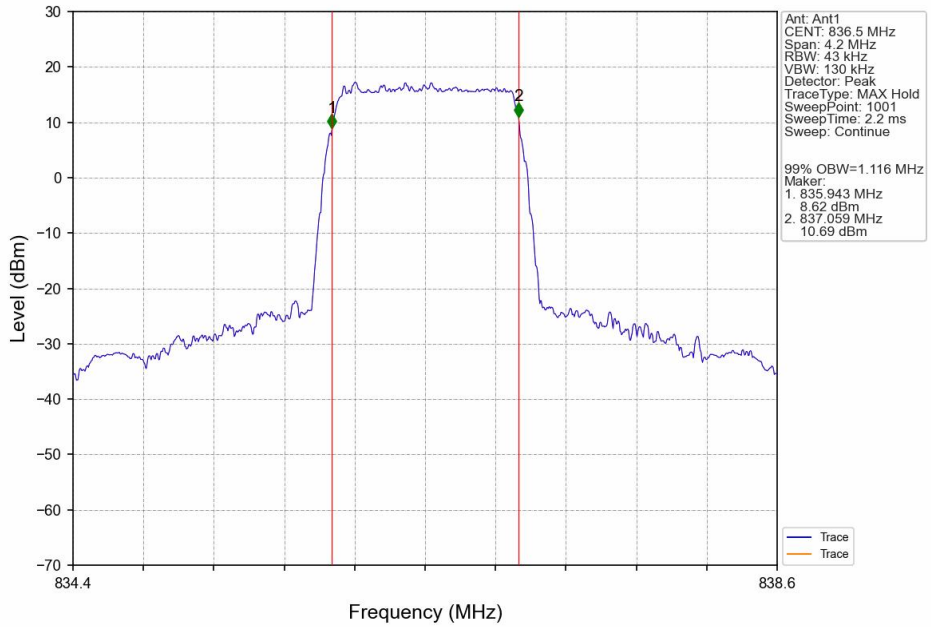
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



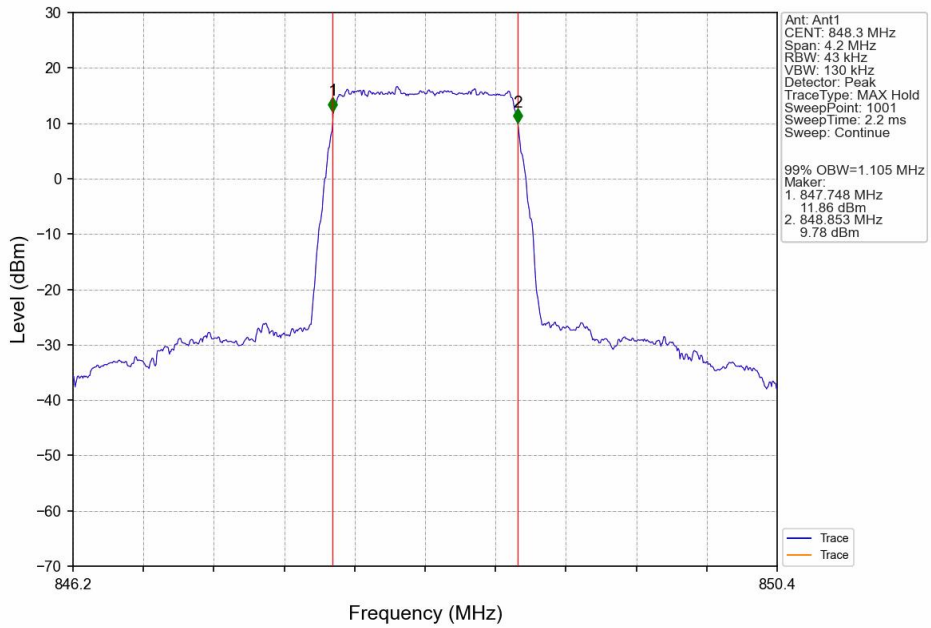
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



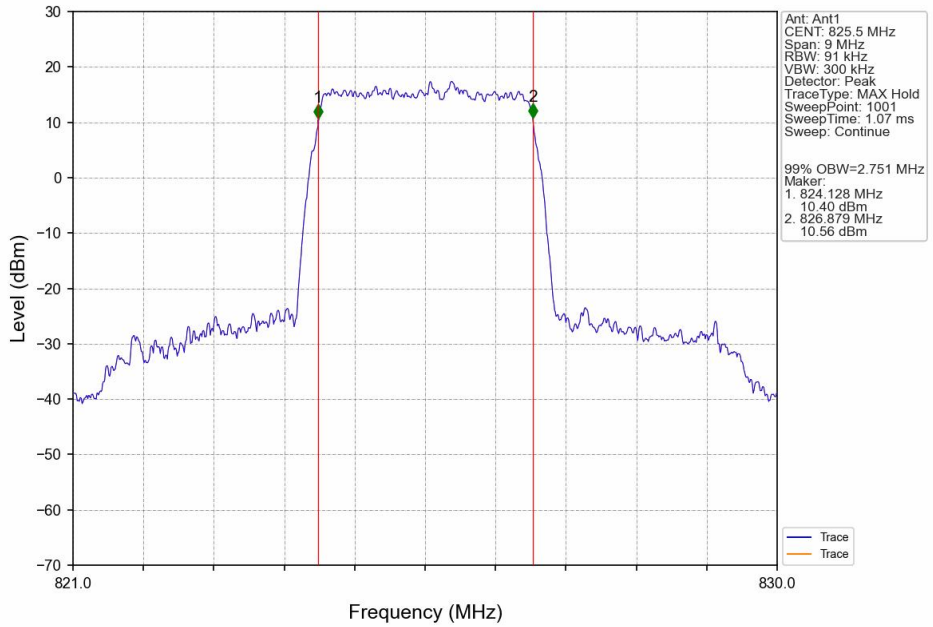
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



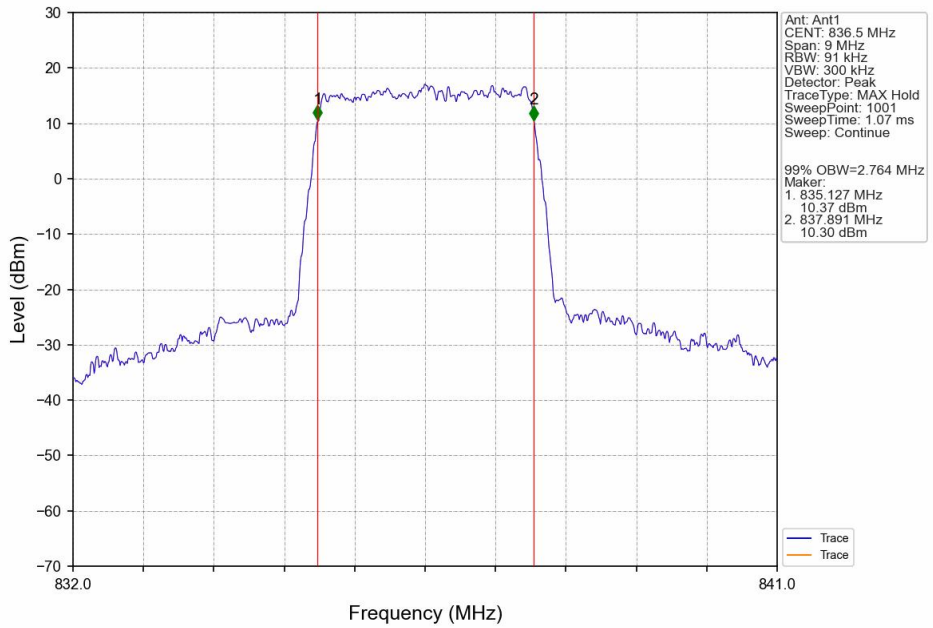
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



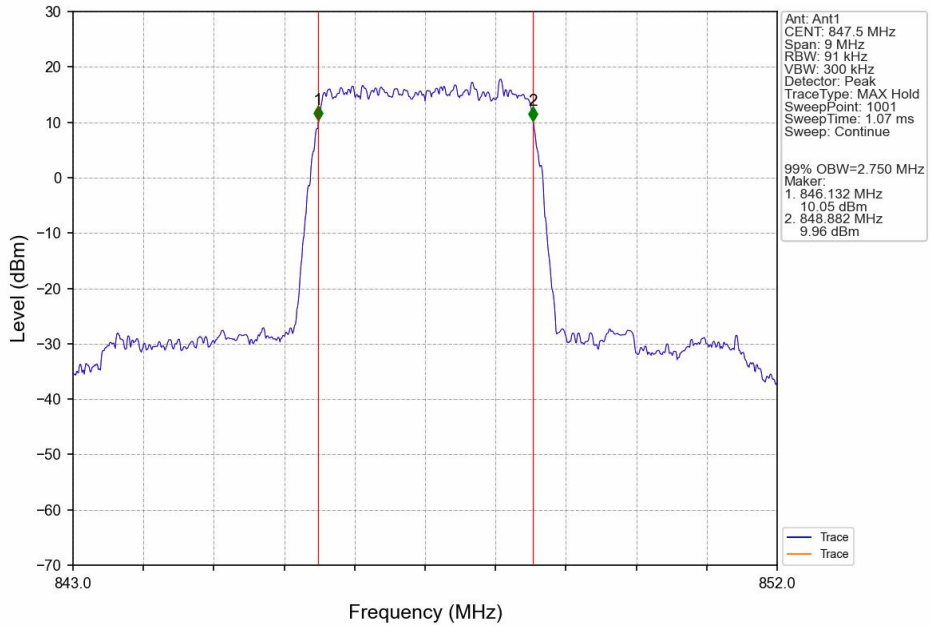
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



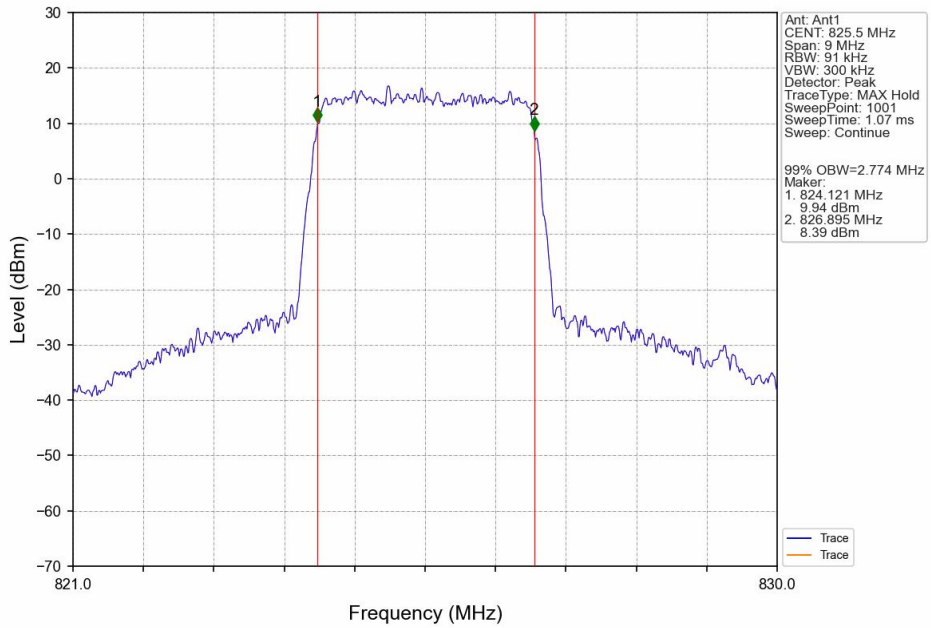
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



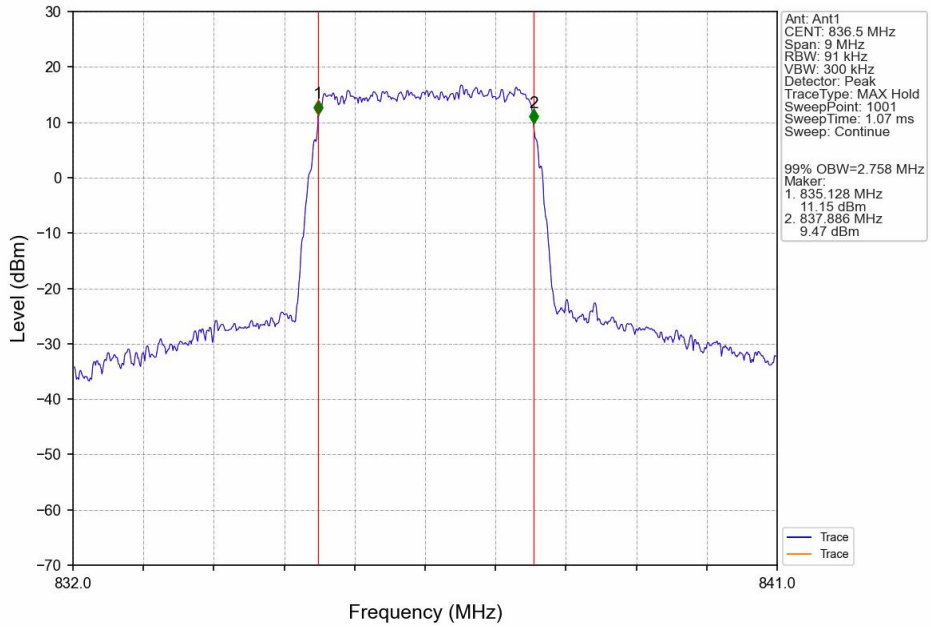
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



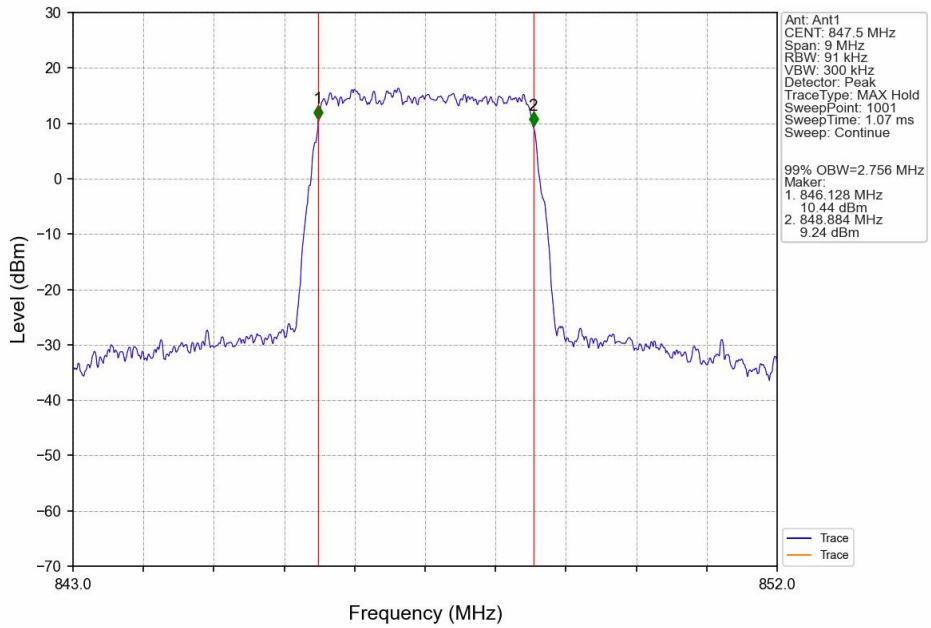
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



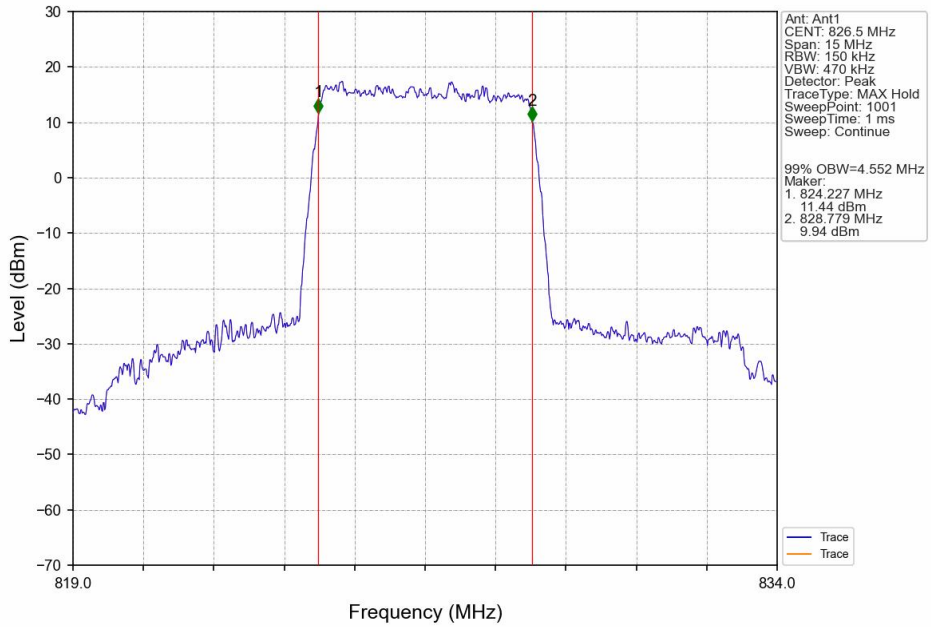
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



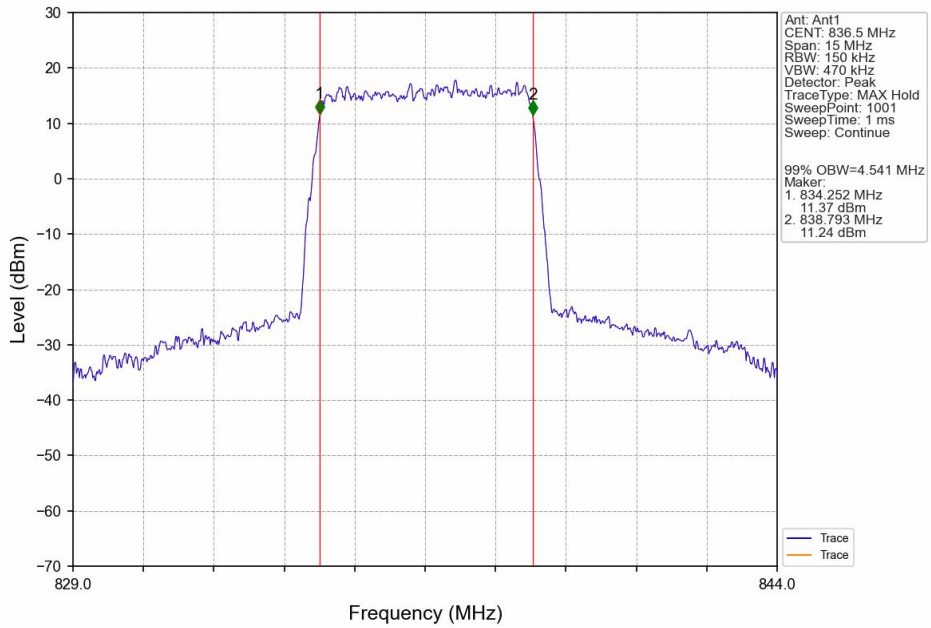
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



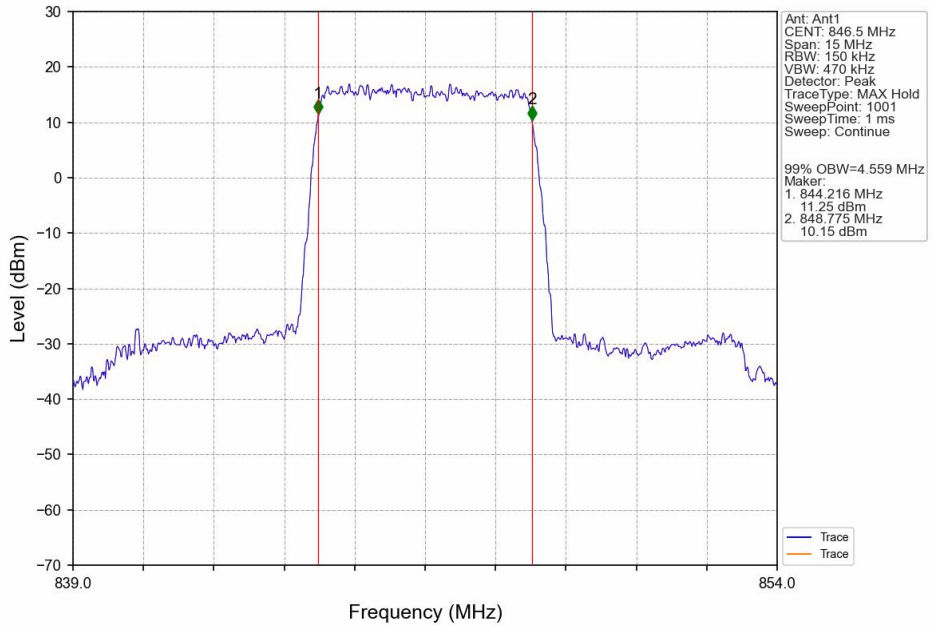
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



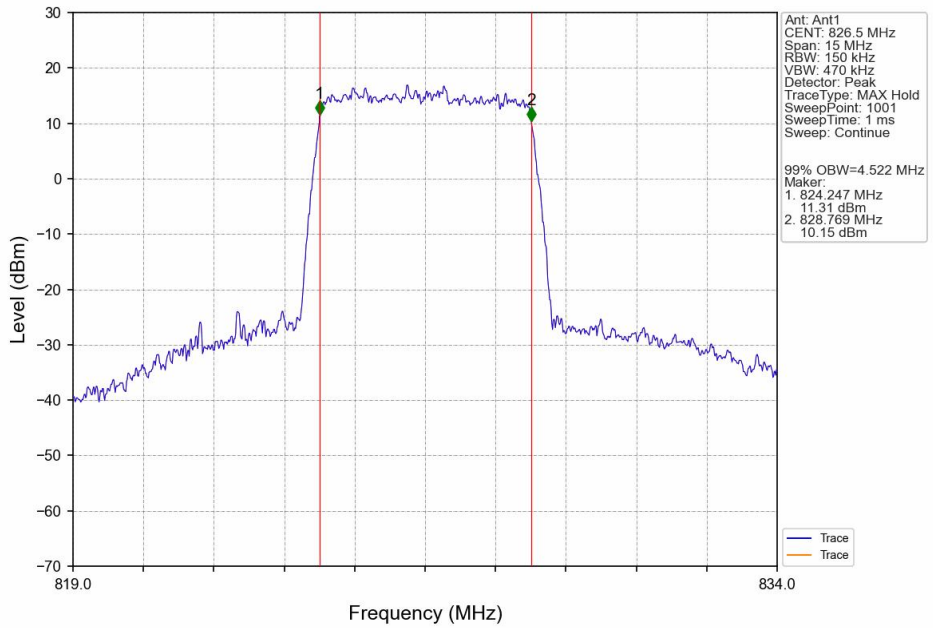
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



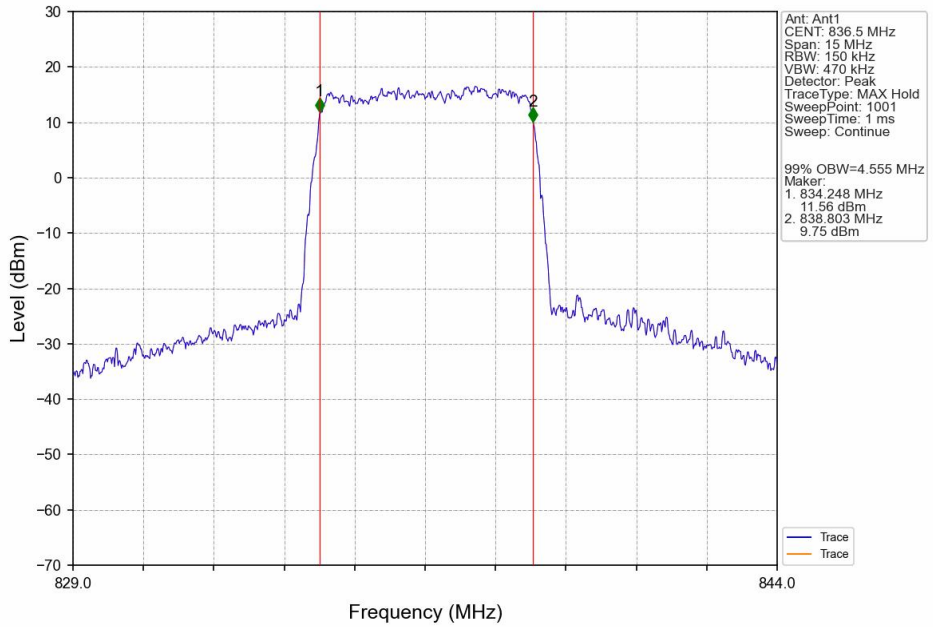
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



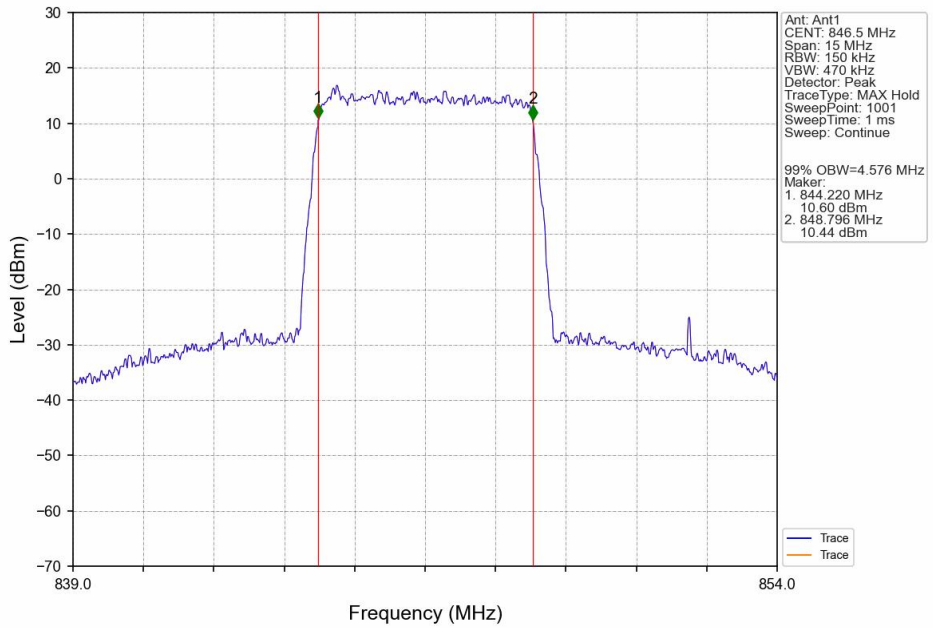
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



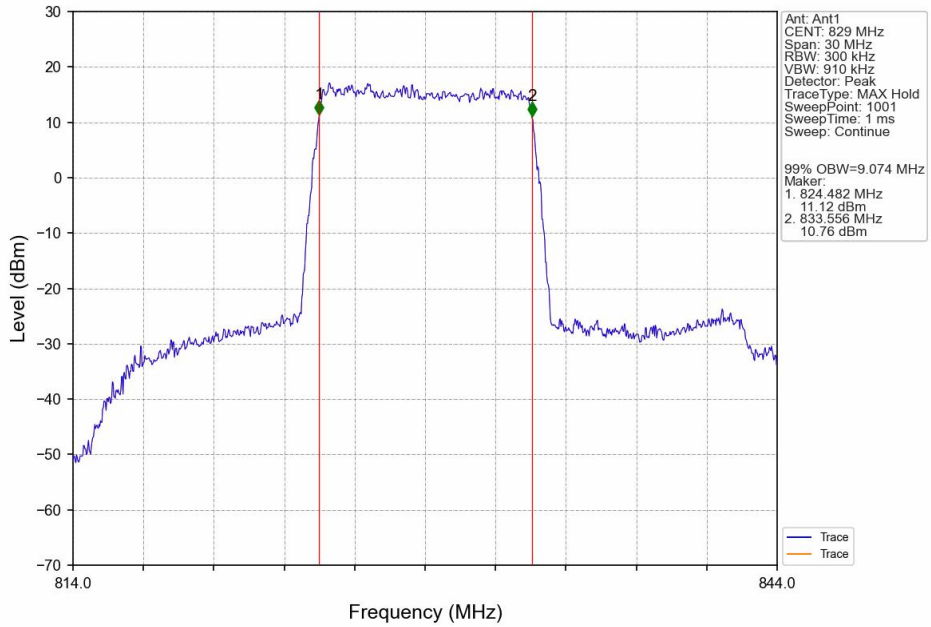
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



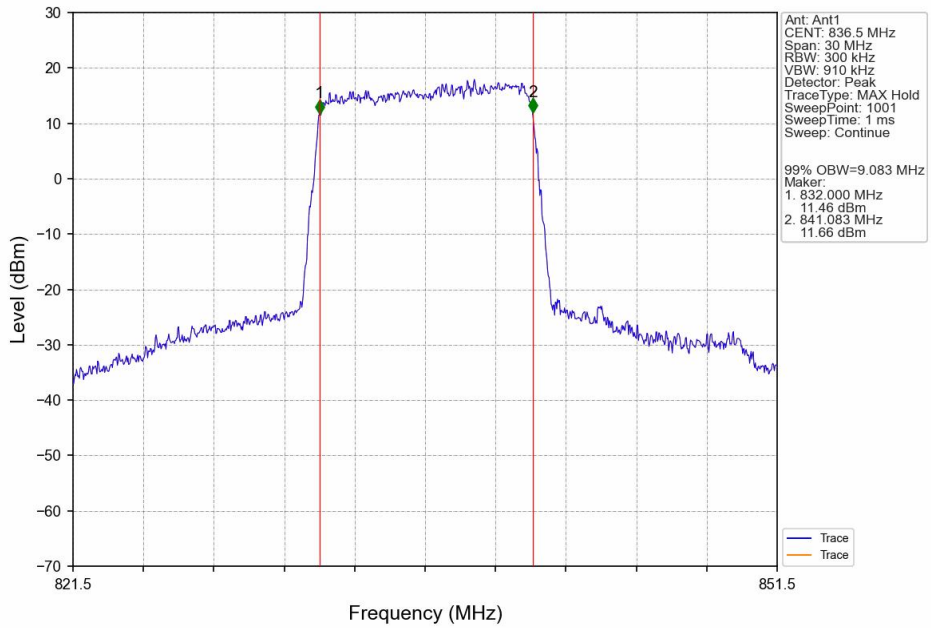
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



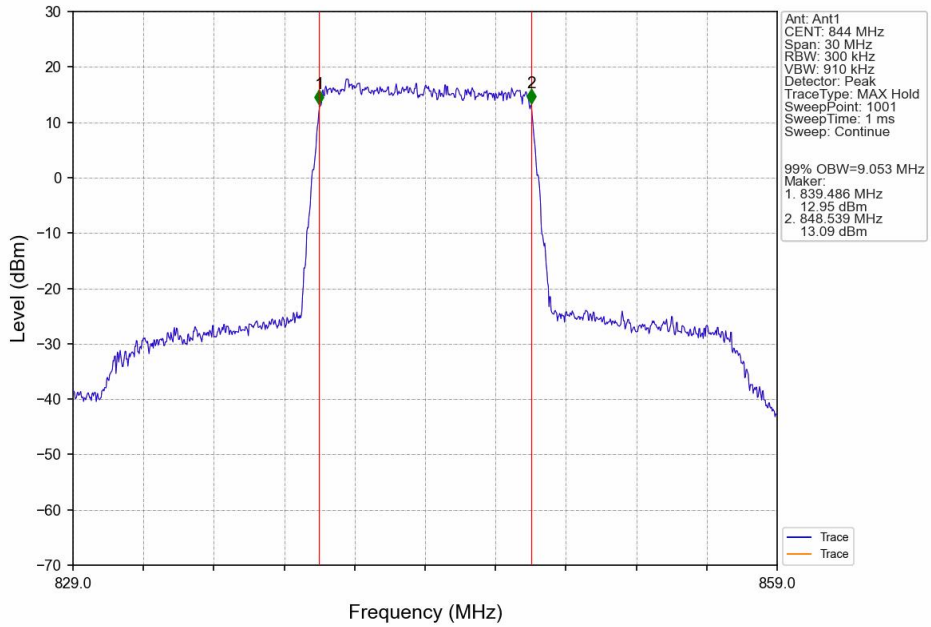
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



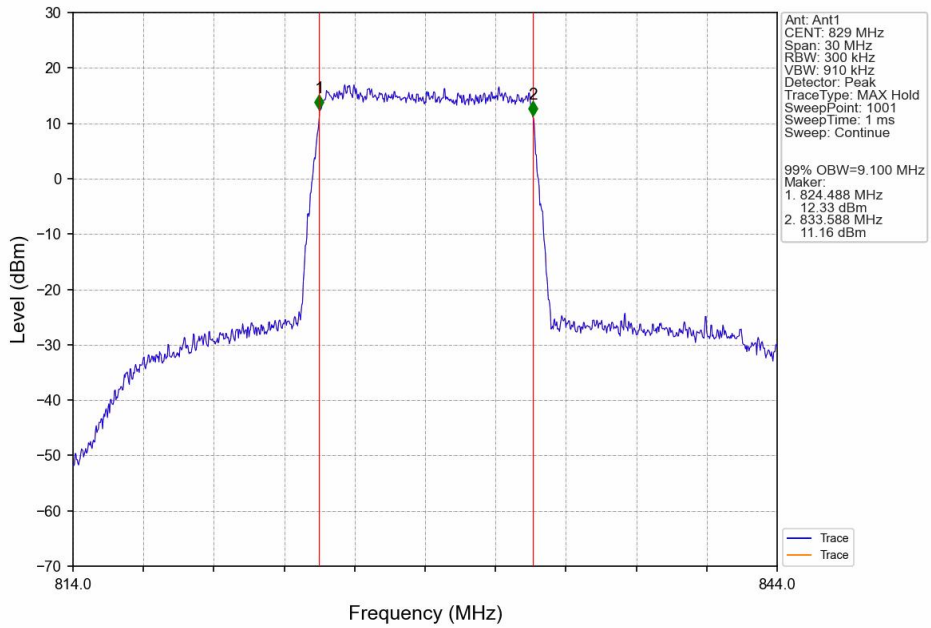
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



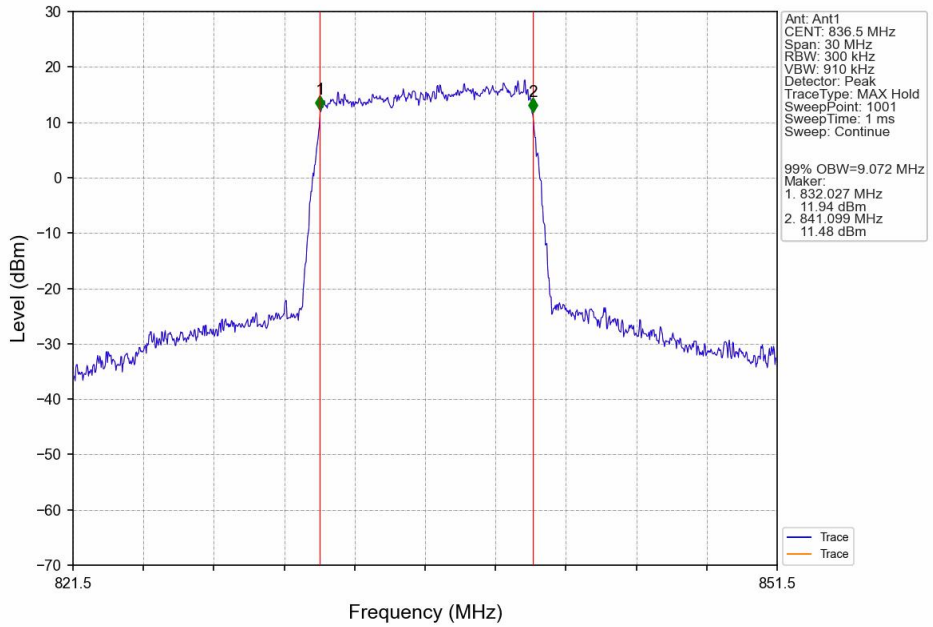
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



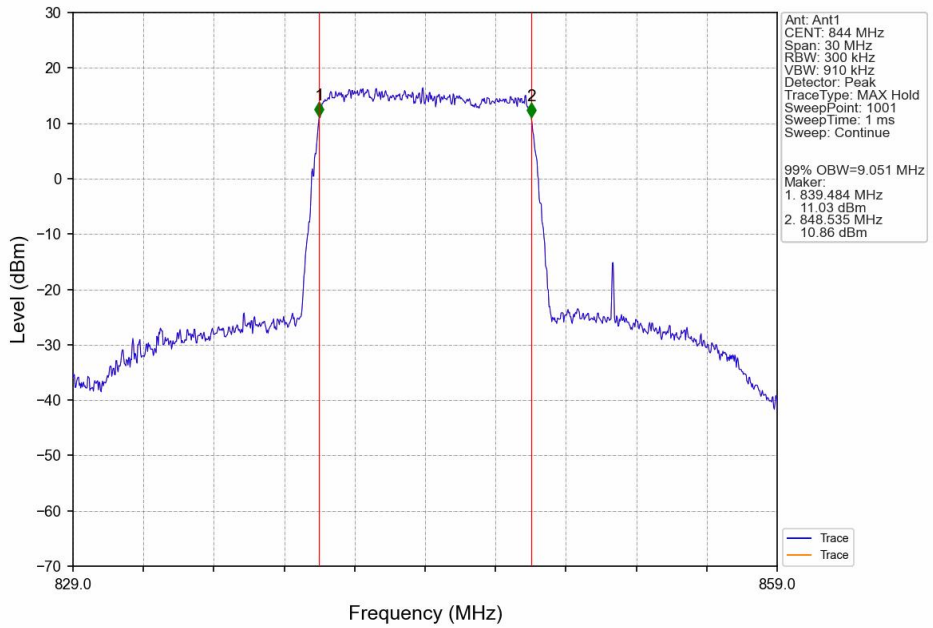
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

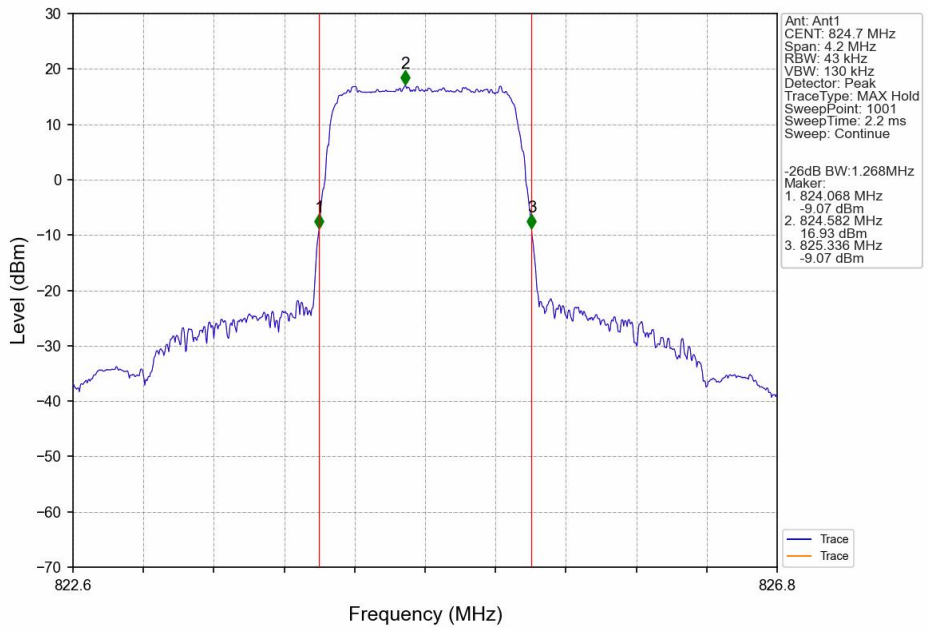


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

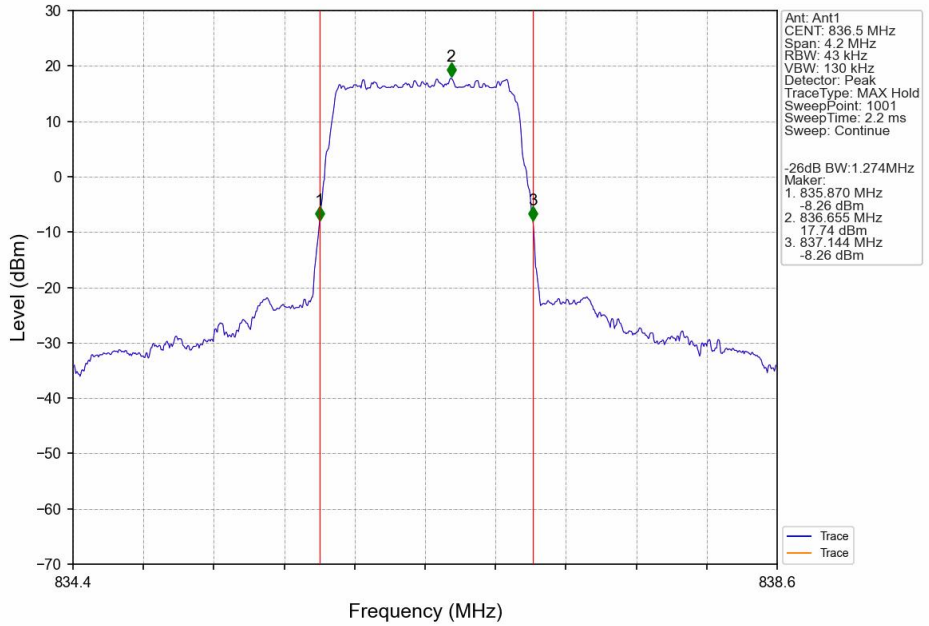


3.2.2 Band5_26dB Occupied Bandwidth

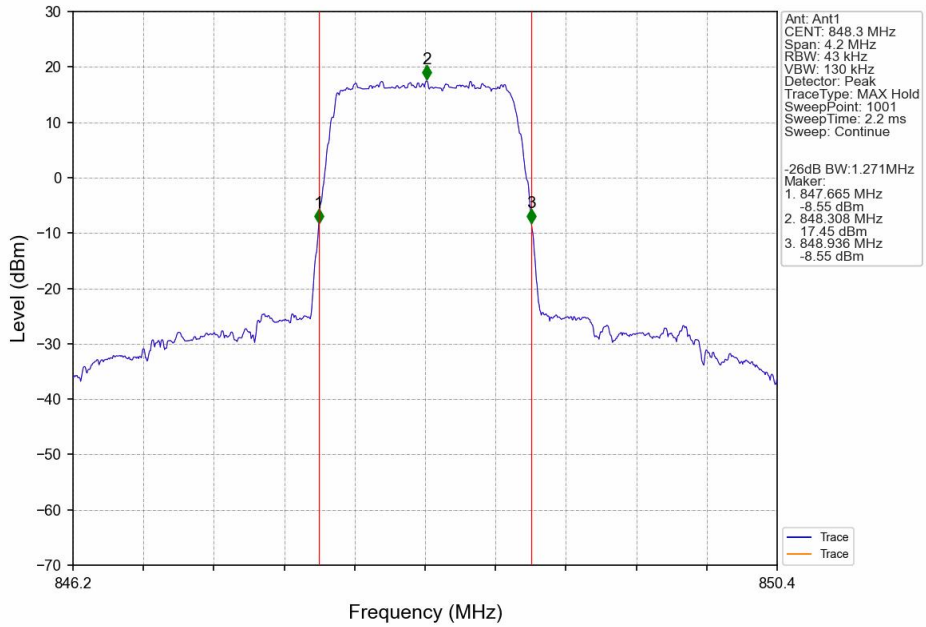
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



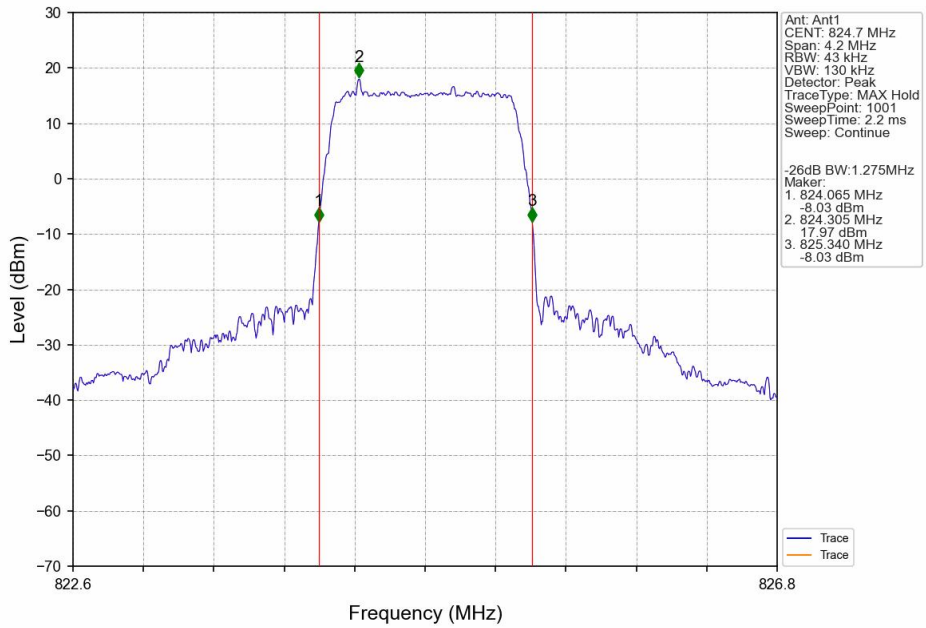
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



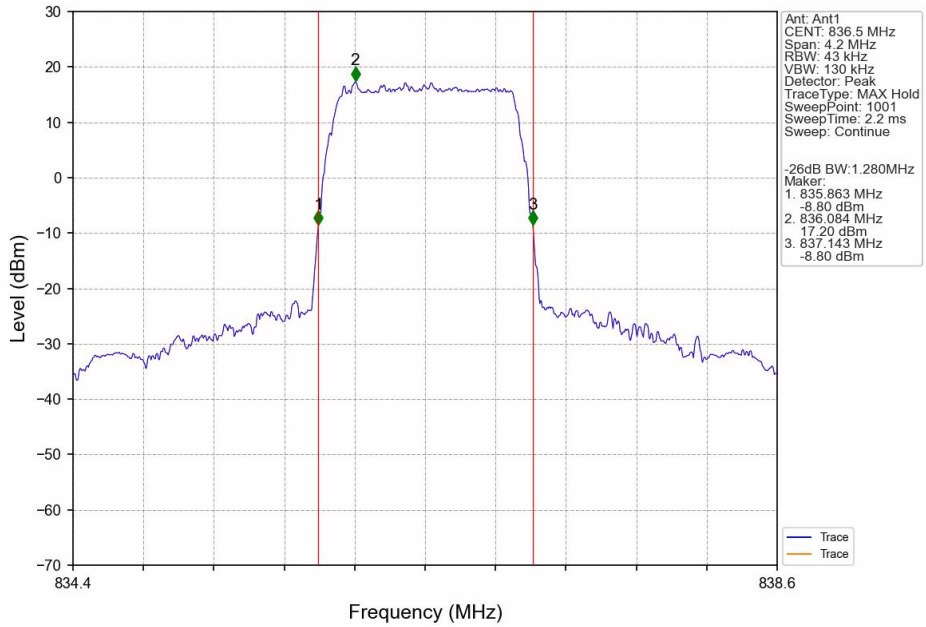
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



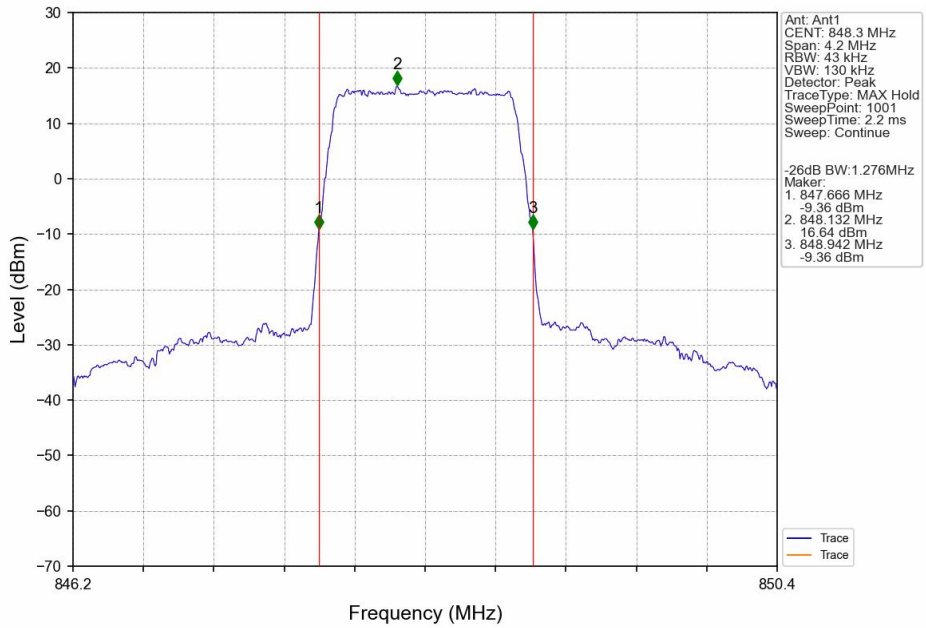
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



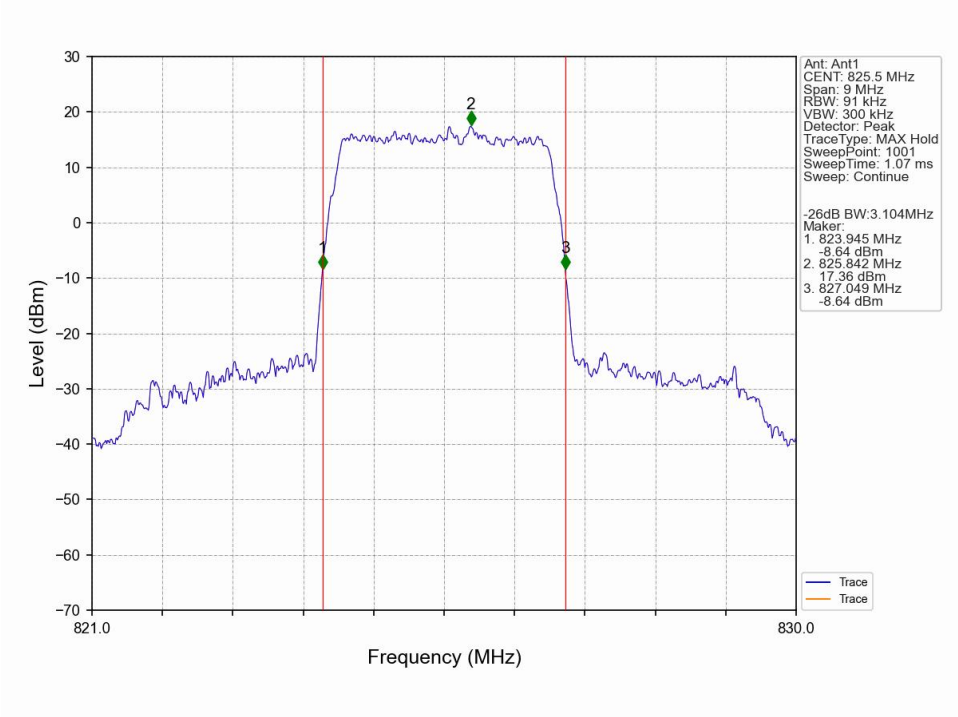
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



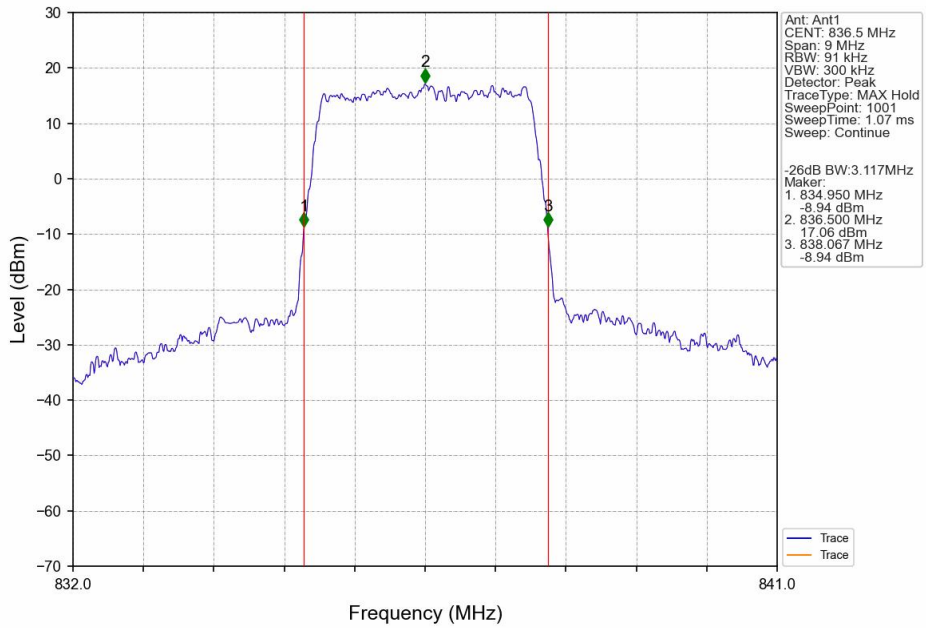
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



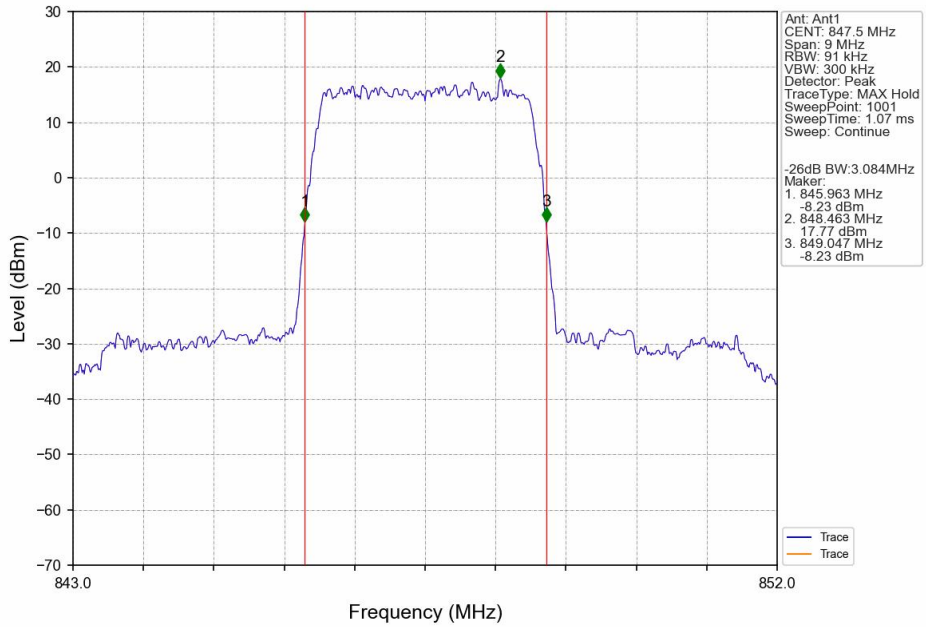
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



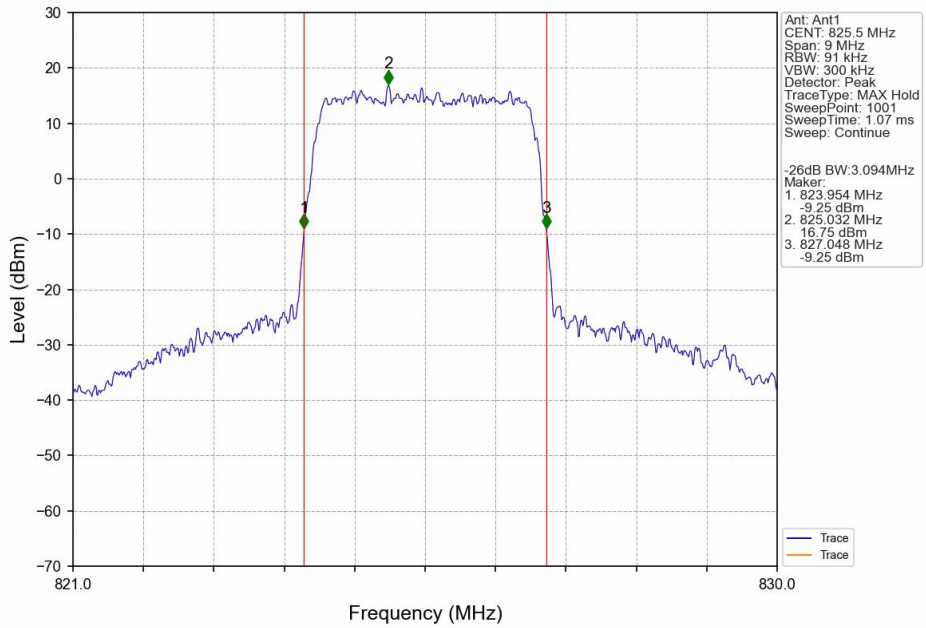
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



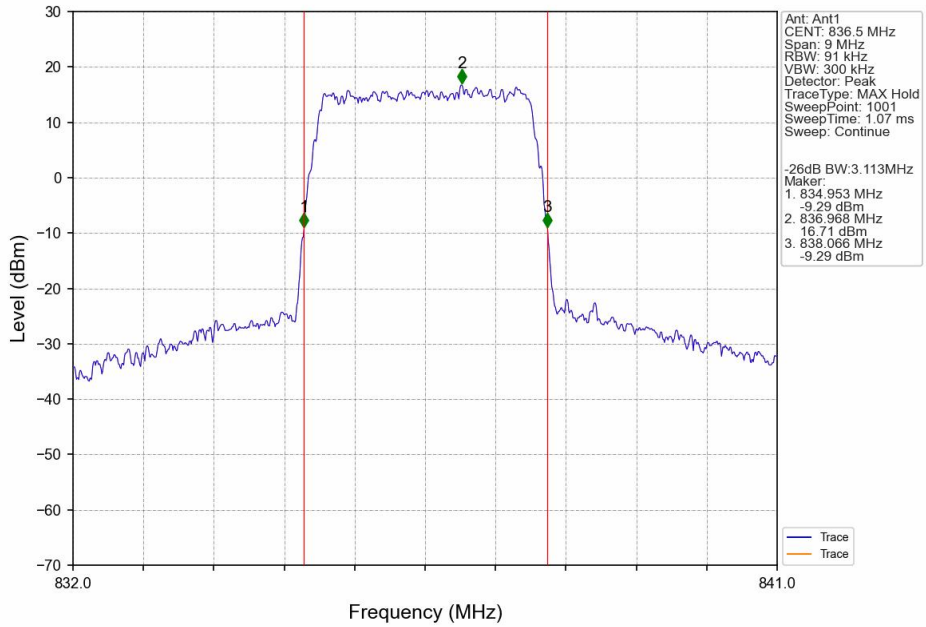
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



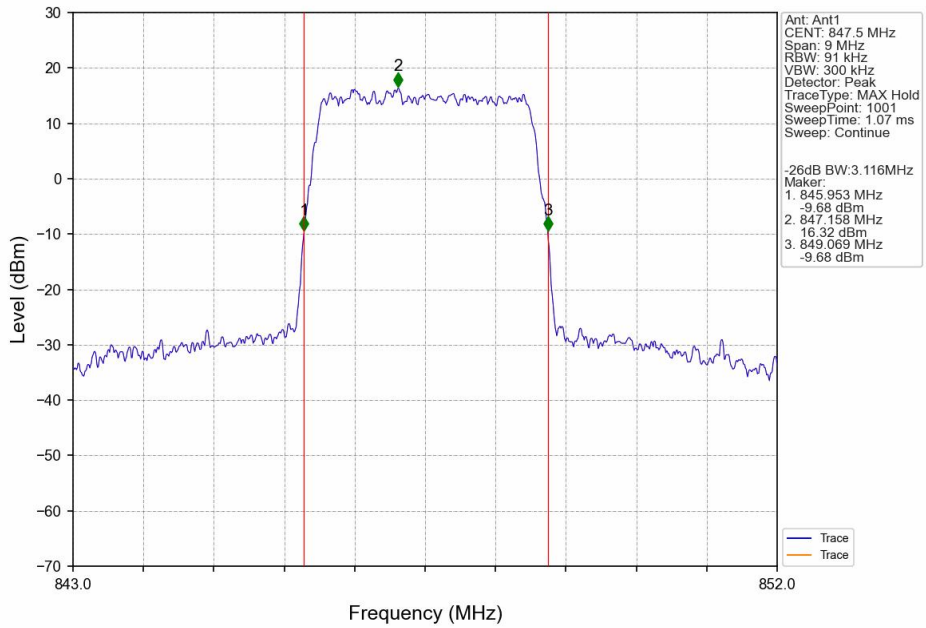
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



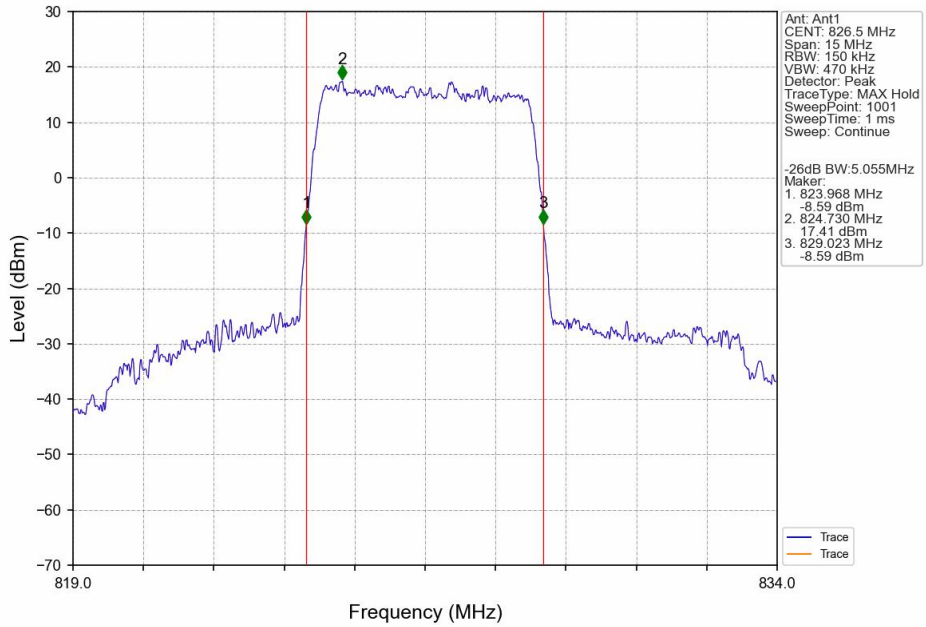
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



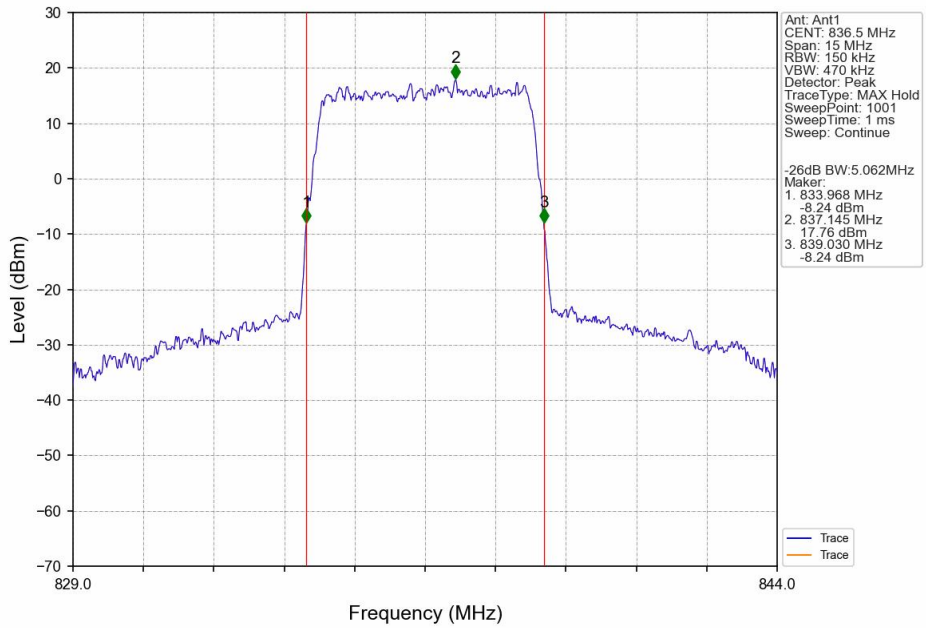
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



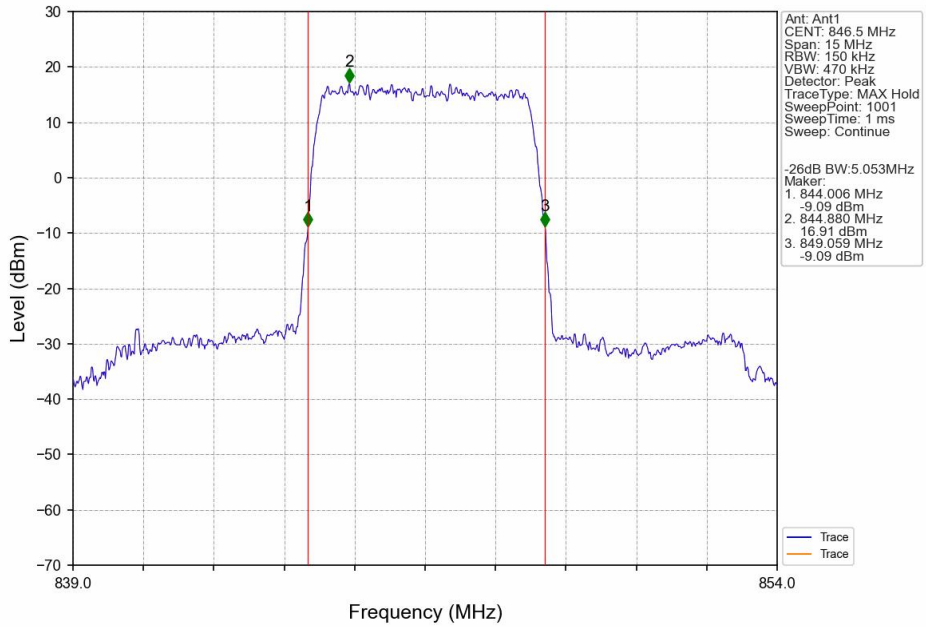
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



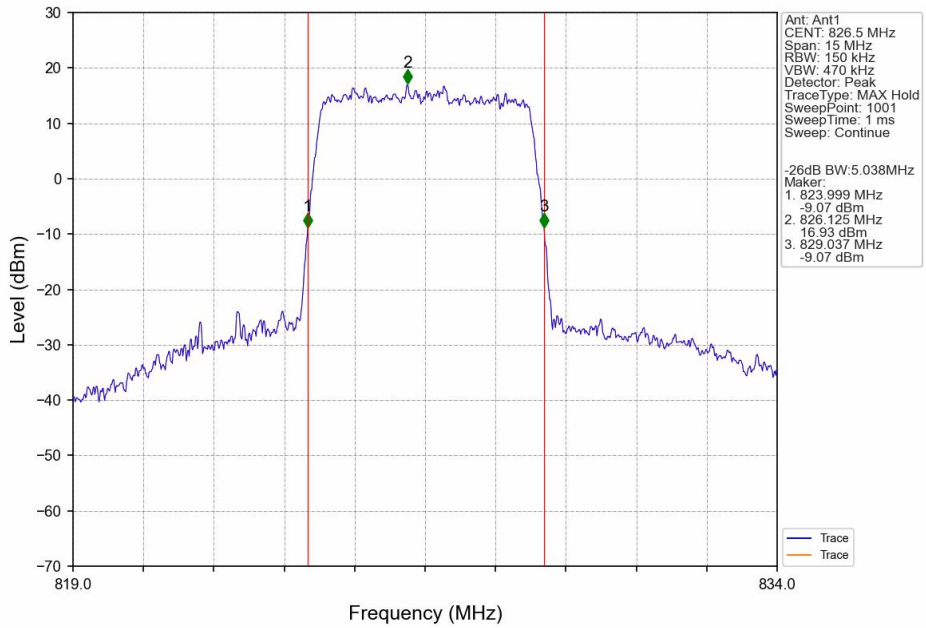
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



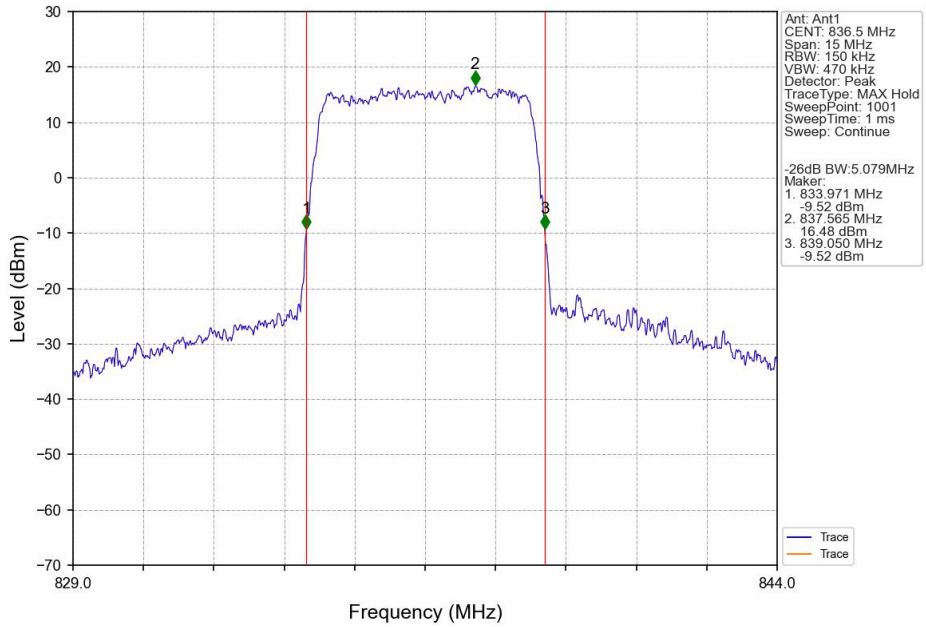
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



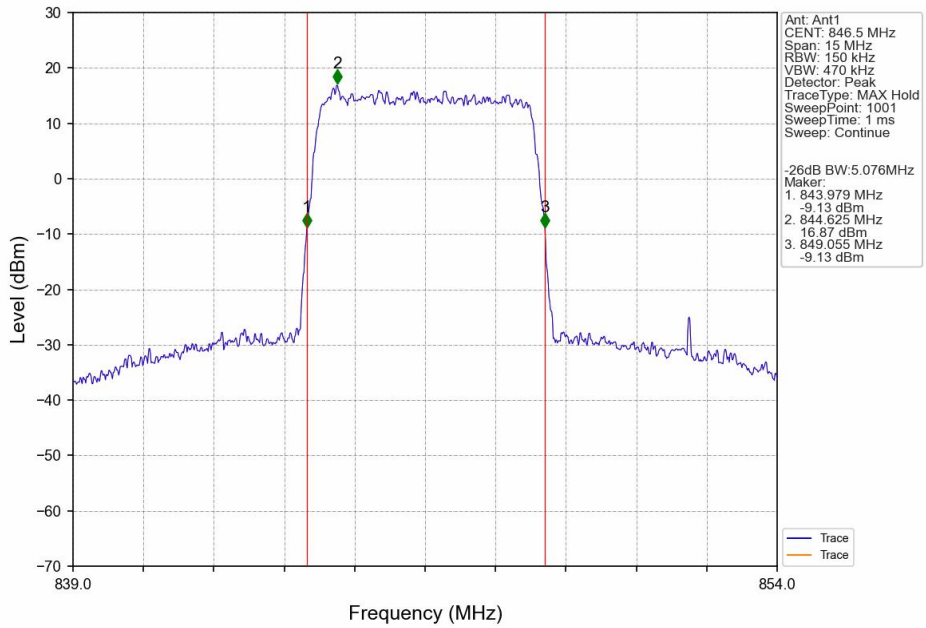
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



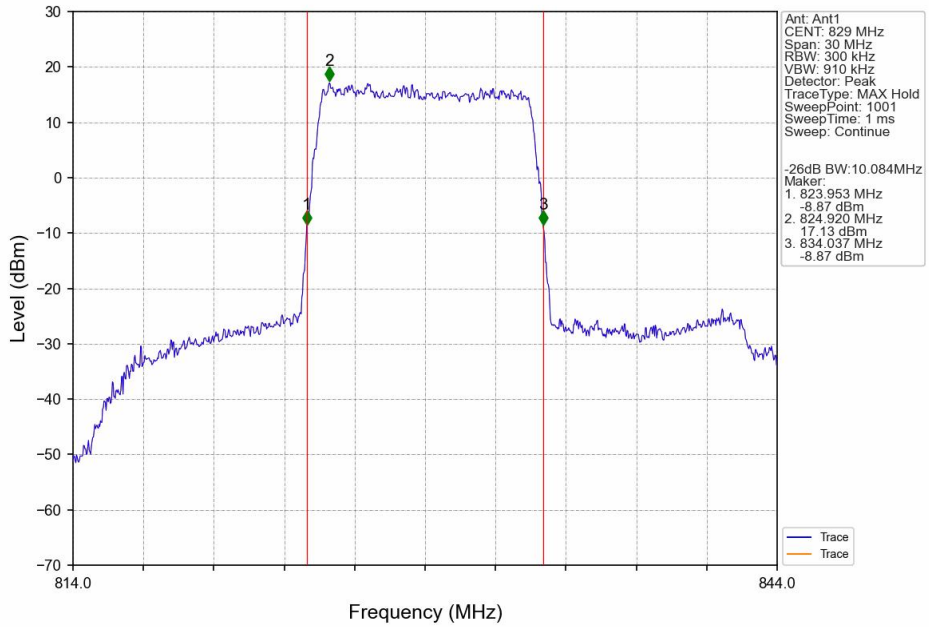
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



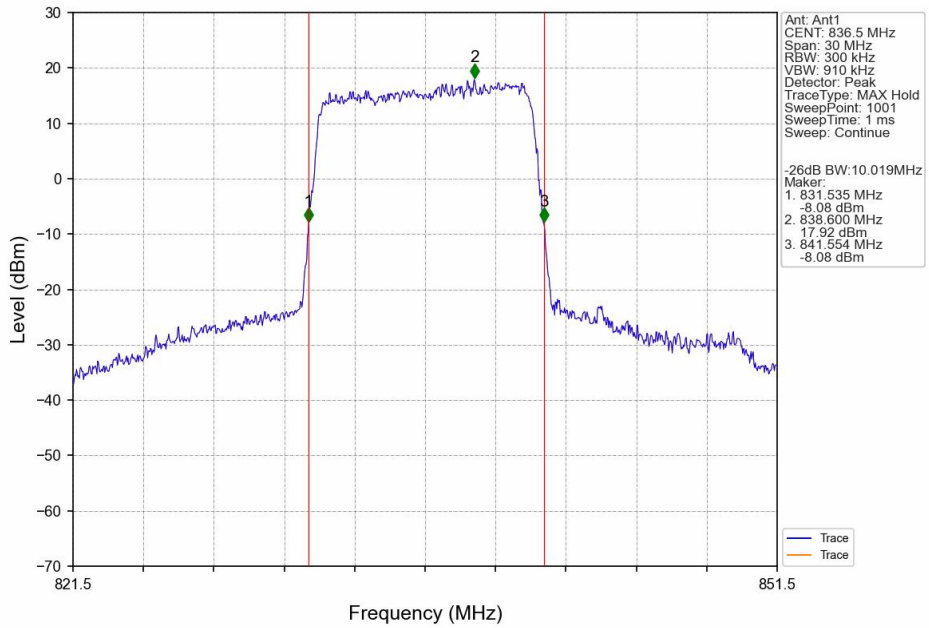
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



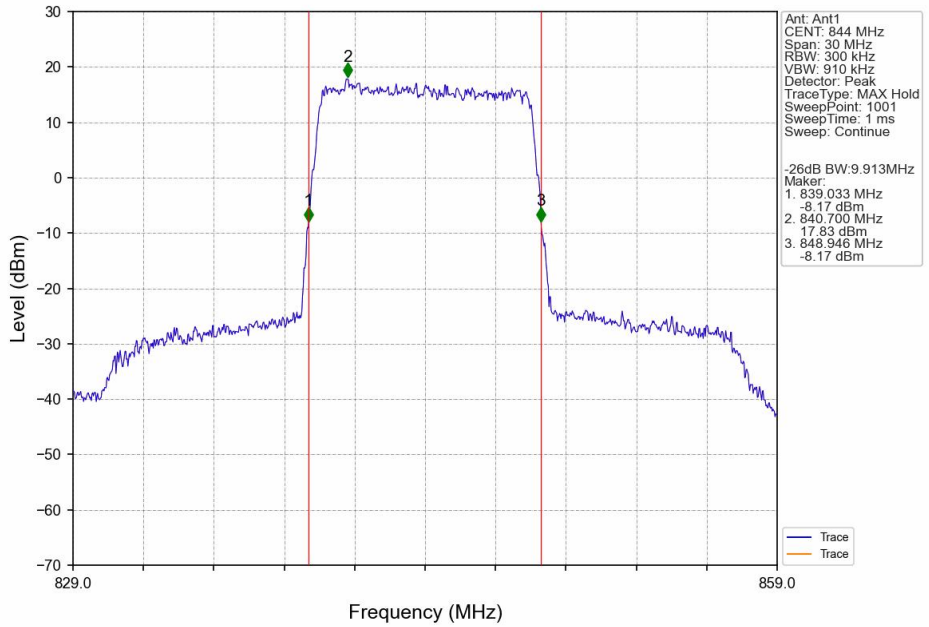
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



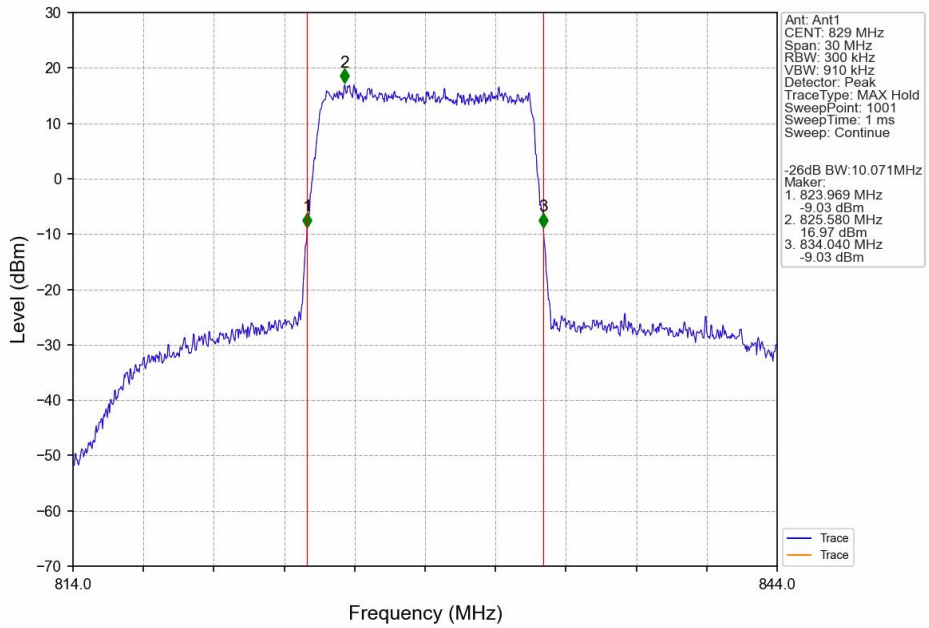
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



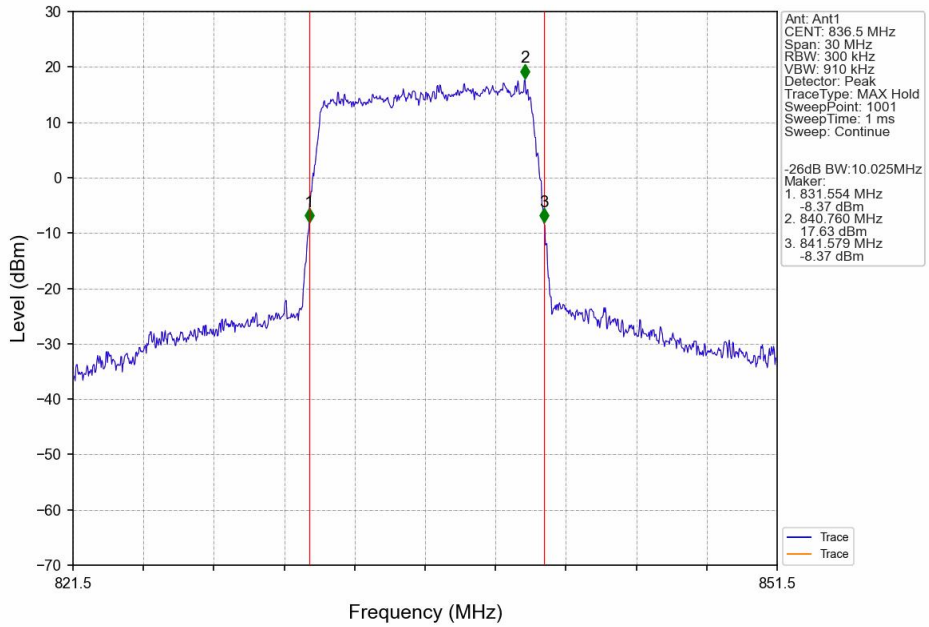
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



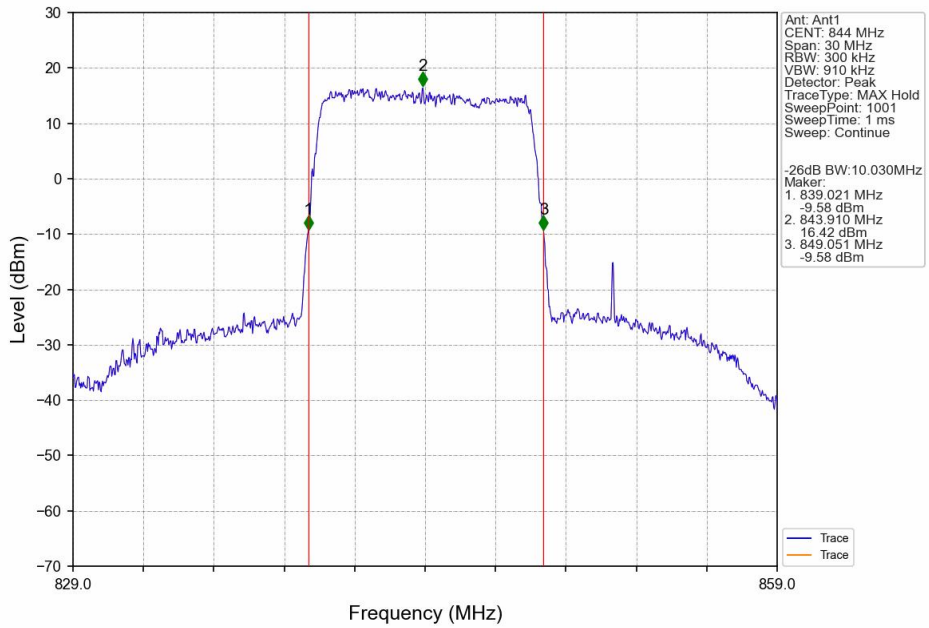
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.36	<=13	Pass
	836.5	6	0	5.74	<=13	Pass
	848.3	6	0	5.84	<=13	Pass
16QAM	824.7	6	0	6.06	<=13	Pass
	836.5	6	0	6.65	<=13	Pass
	848.3	6	0	6.47	<=13	Pass

4.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.48	<=13	Pass
	836.5	15	0	5.71	<=13	Pass
	847.5	15	0	5.70	<=13	Pass
16QAM	825.5	15	0	6.23	<=13	Pass
	836.5	15	0	6.47	<=13	Pass
	847.5	15	0	6.50	<=13	Pass

4.1.3 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	5.58	<=13	Pass
	836.5	25	0	5.70	<=13	Pass
	846.5	25	0	5.73	<=13	Pass
16QAM	826.5	25	0	6.22	<=13	Pass
	836.5	25	0	6.46	<=13	Pass
	846.5	25	0	6.39	<=13	Pass

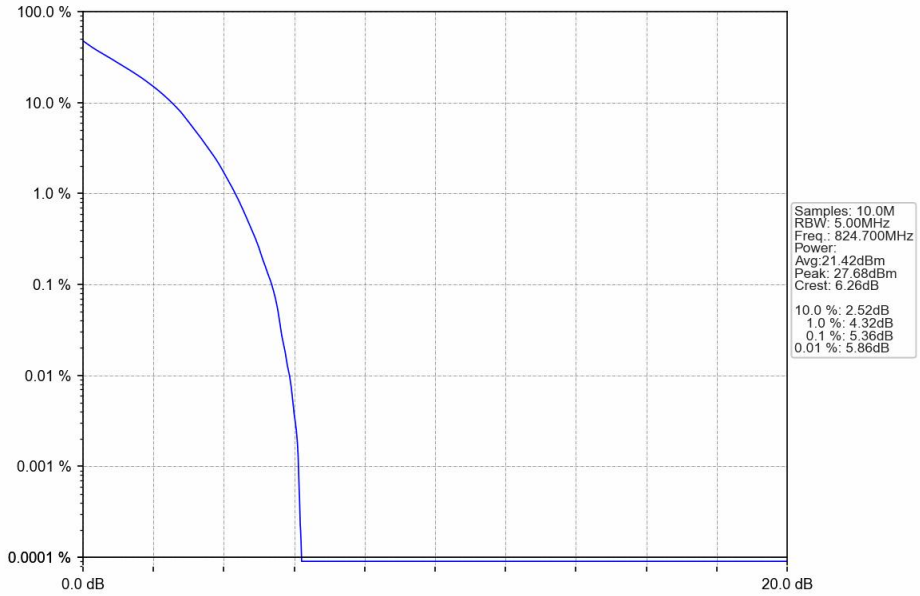
4.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.77	<=13	Pass
	836.5	50	0	5.66	<=13	Pass
	844	50	0	5.62	<=13	Pass
16QAM	829	50	0	6.39	<=13	Pass
	836.5	50	0	6.40	<=13	Pass
	844	50	0	6.34	<=13	Pass

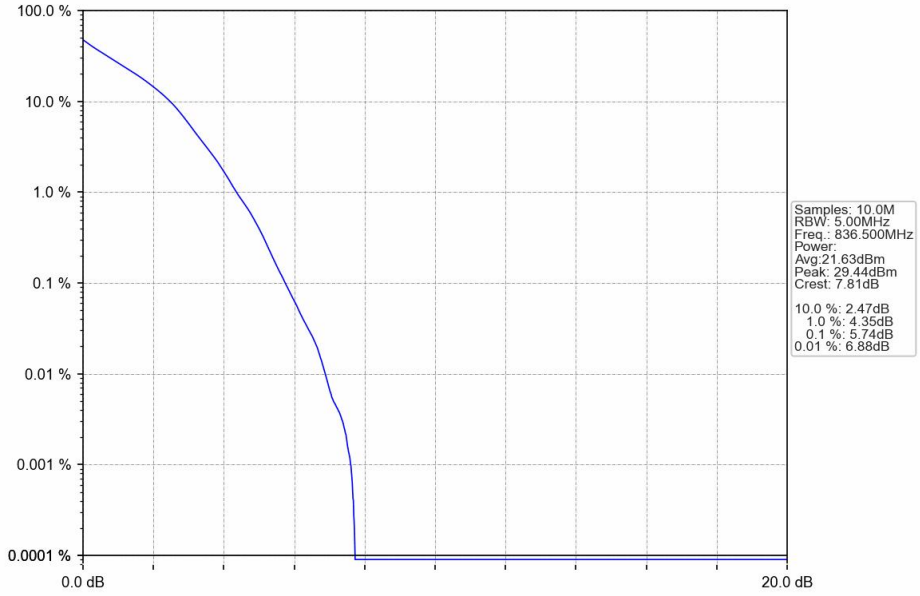
4.2 Test Graph

4.2.1 B5_1.4MHz

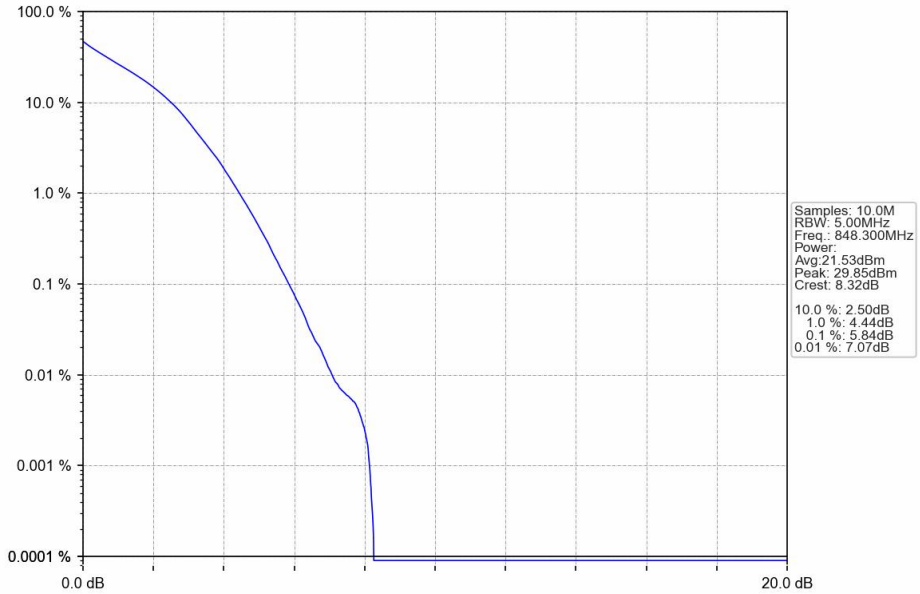
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



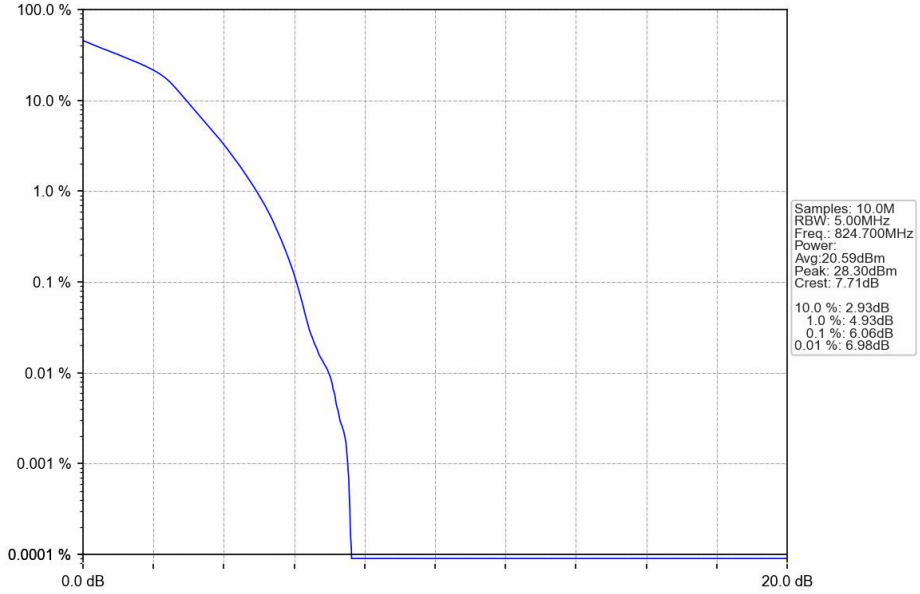
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



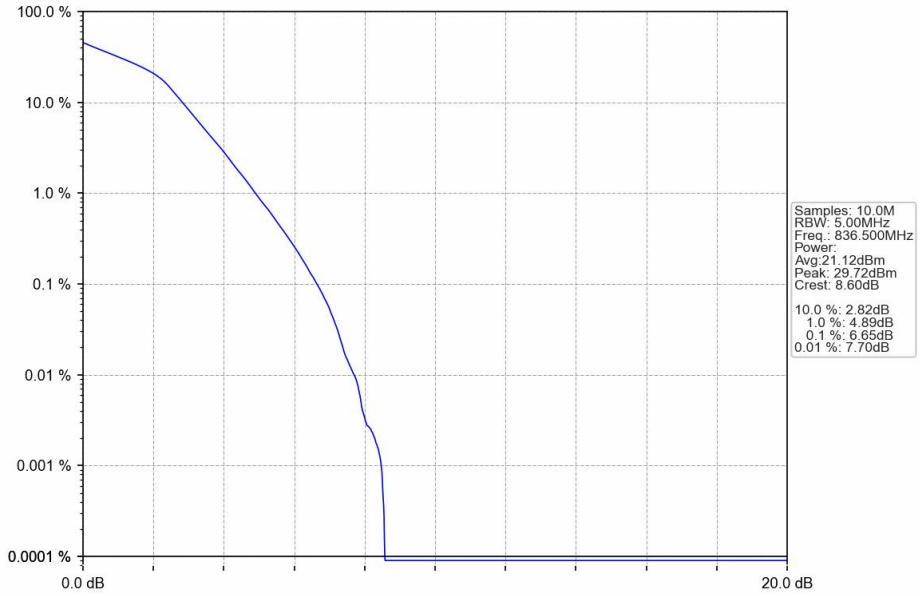
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



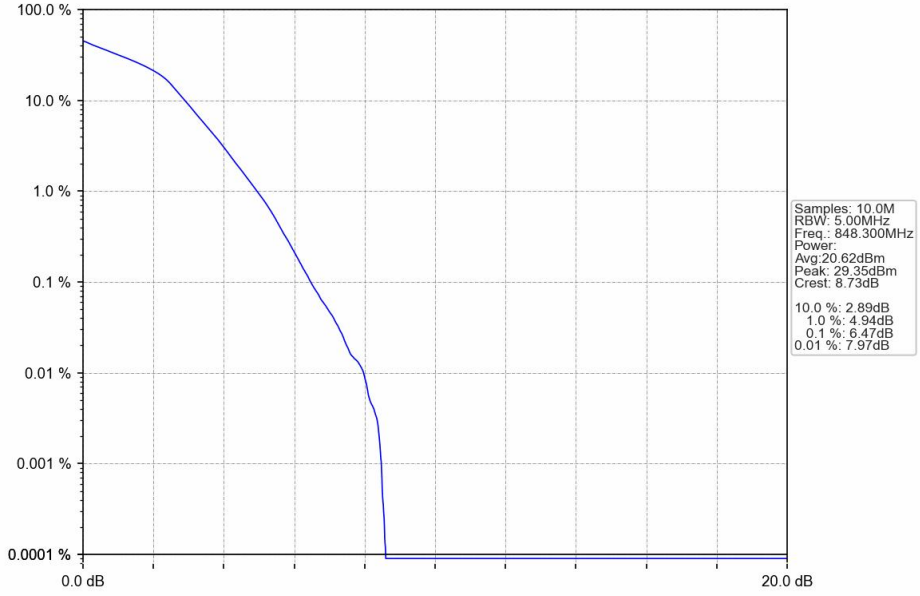
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

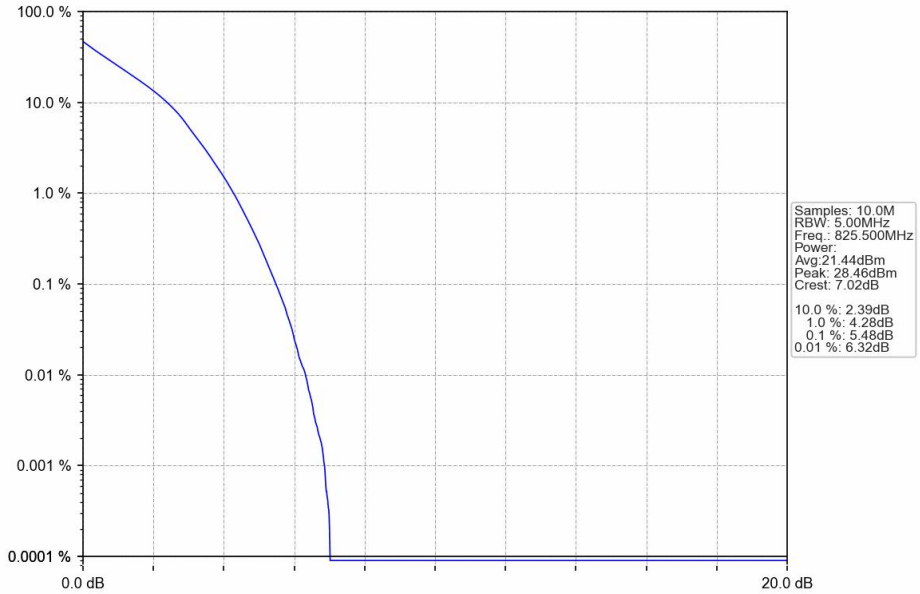


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

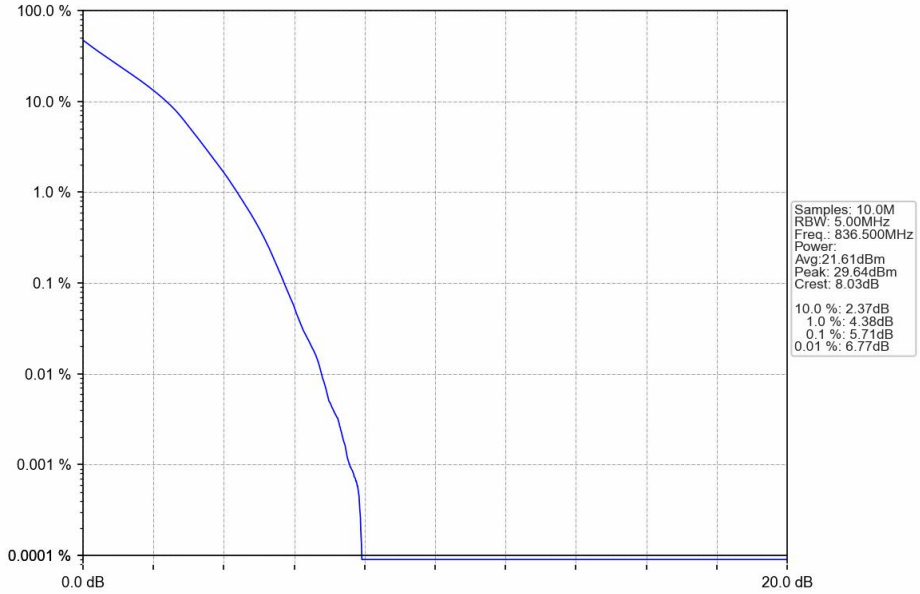


4.2.2 B5_3MHz

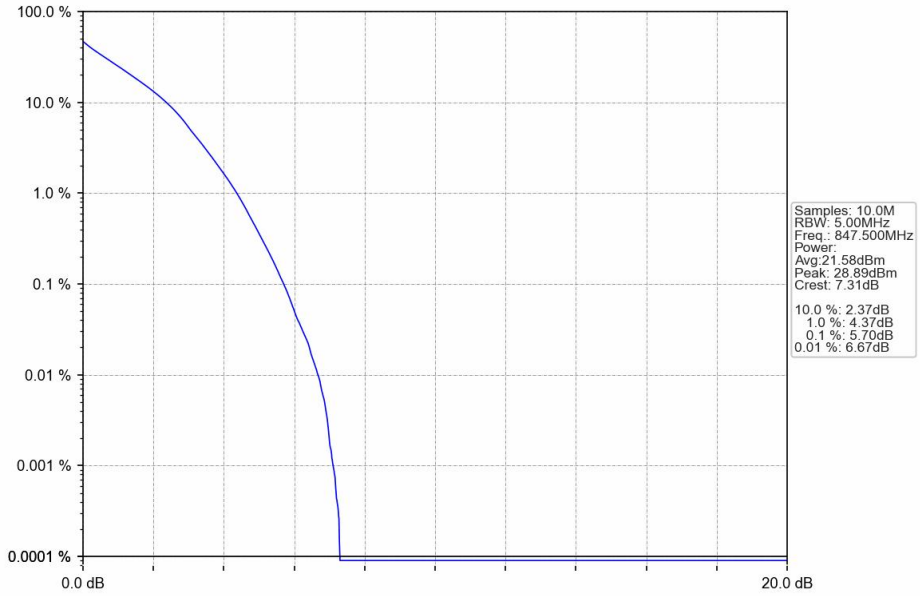
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



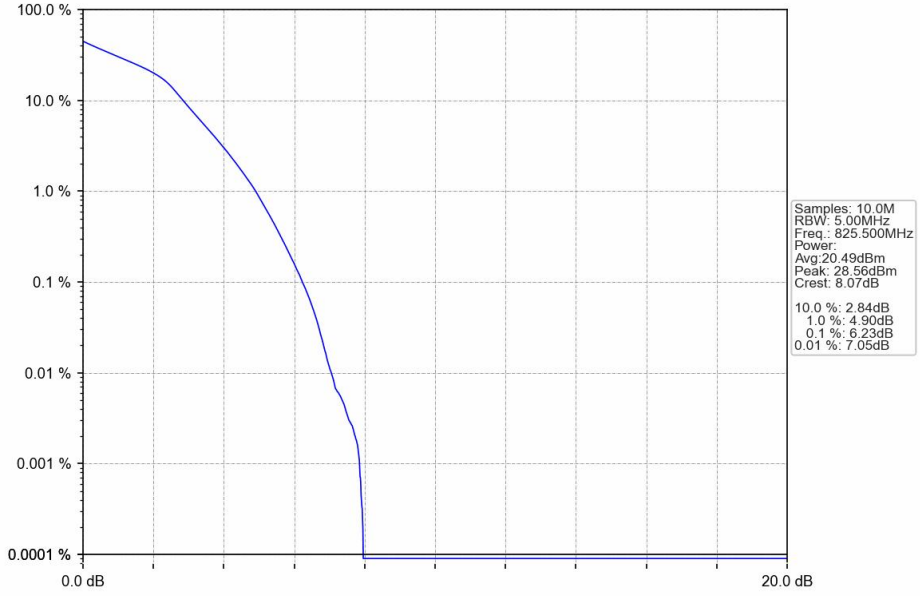
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



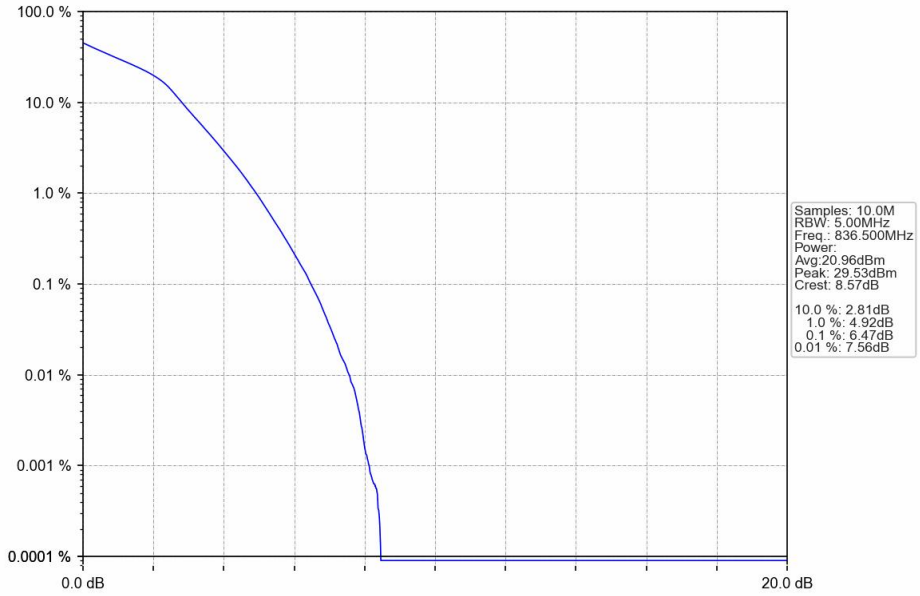
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



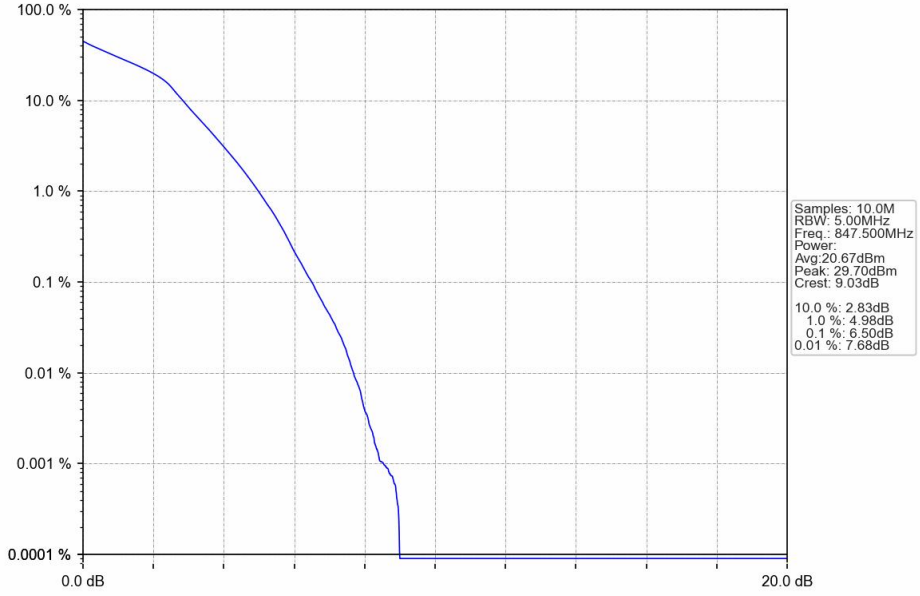
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

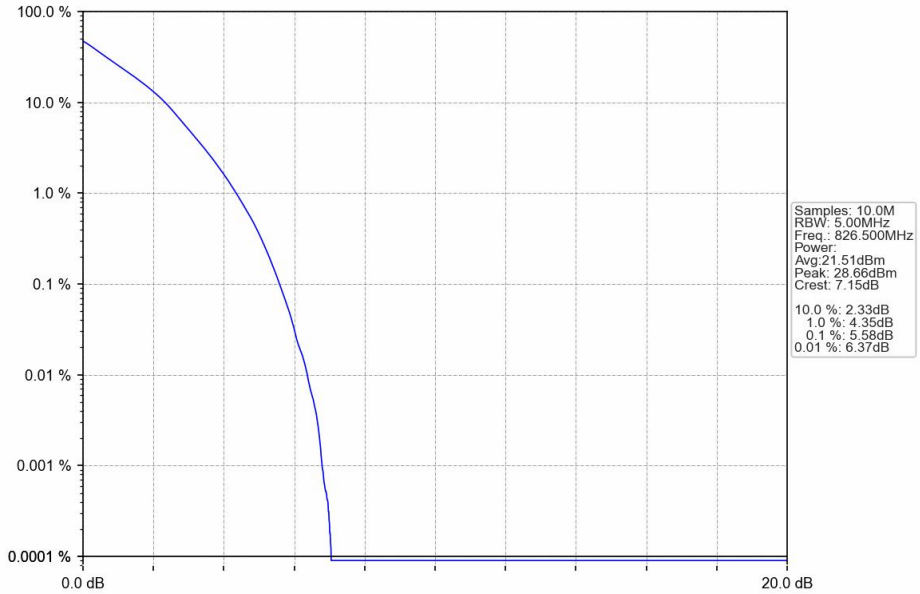


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

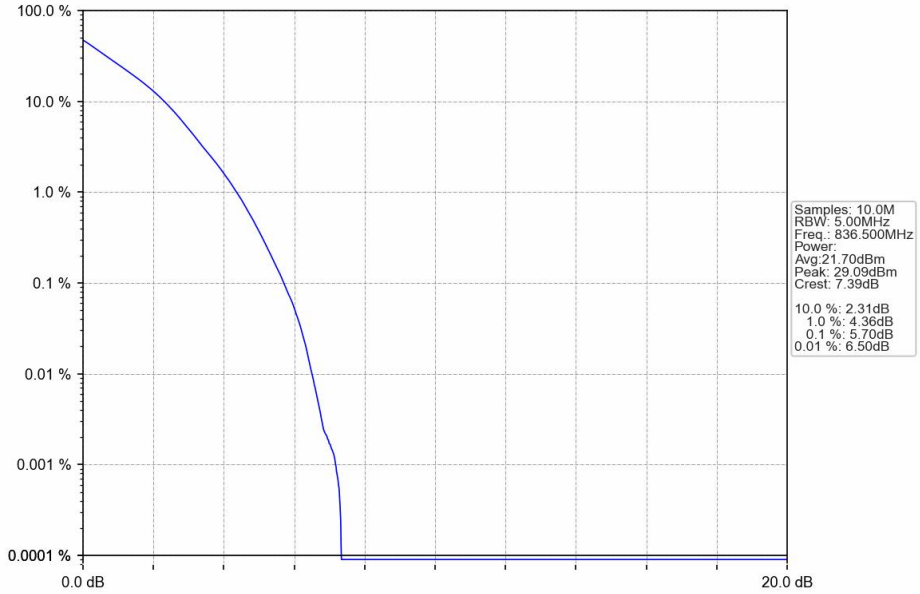


4.2.3 B5_5MHz

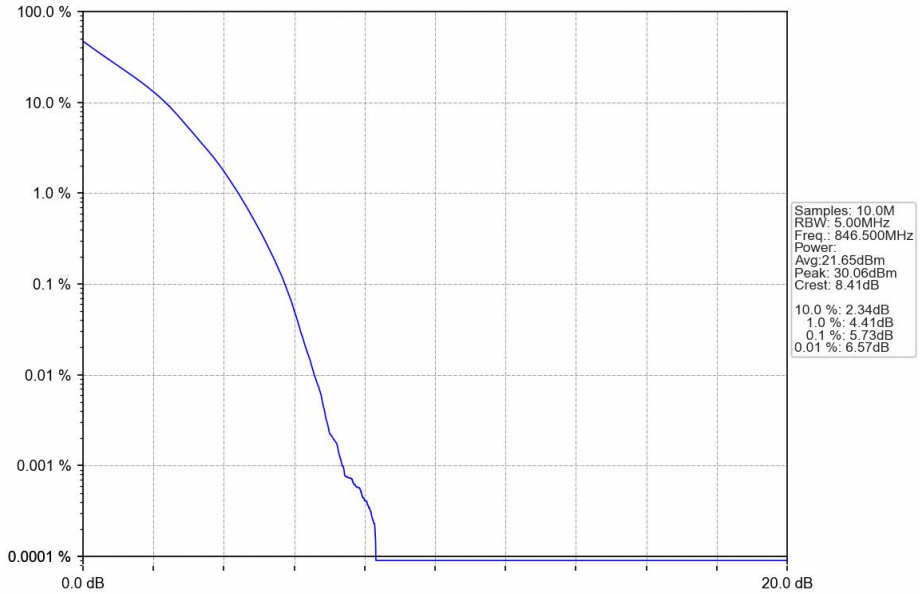
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



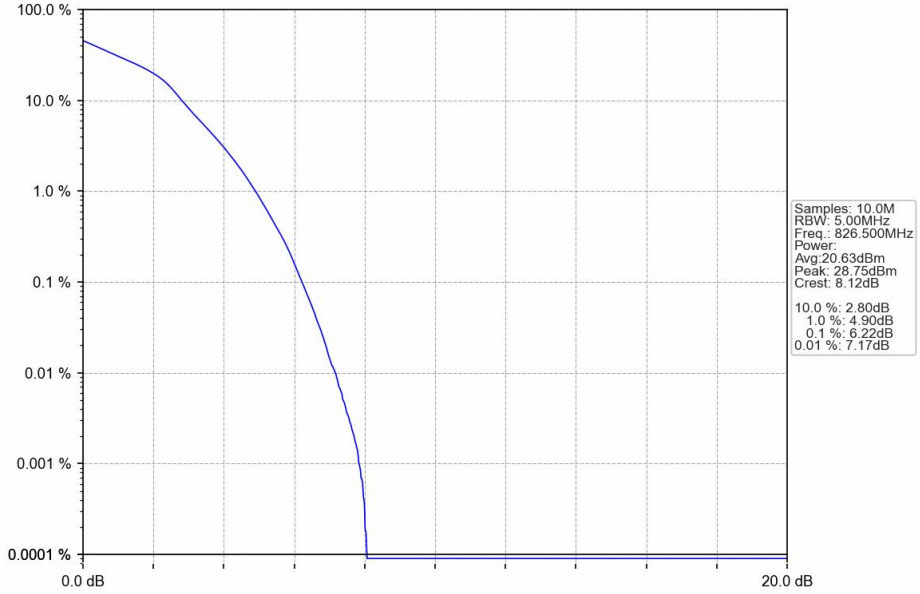
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



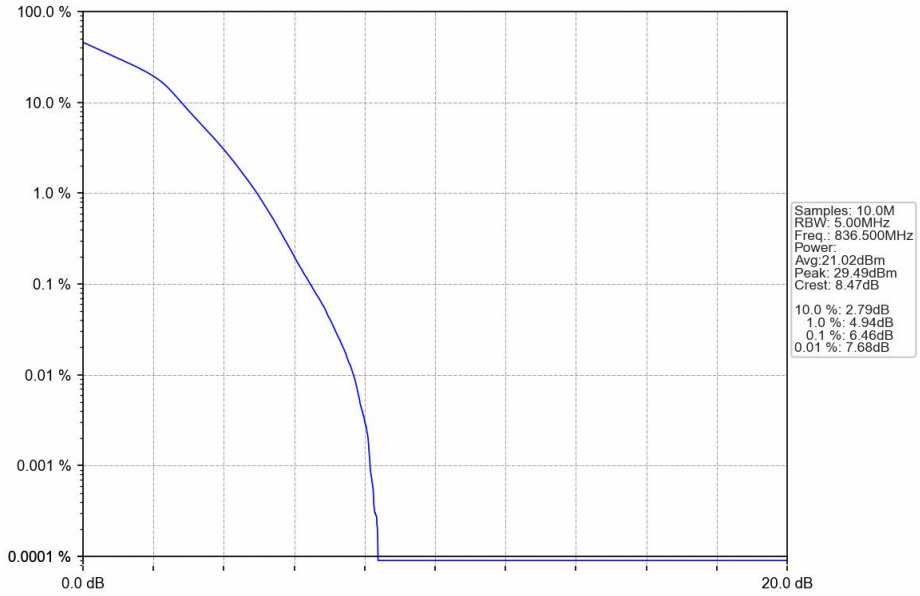
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



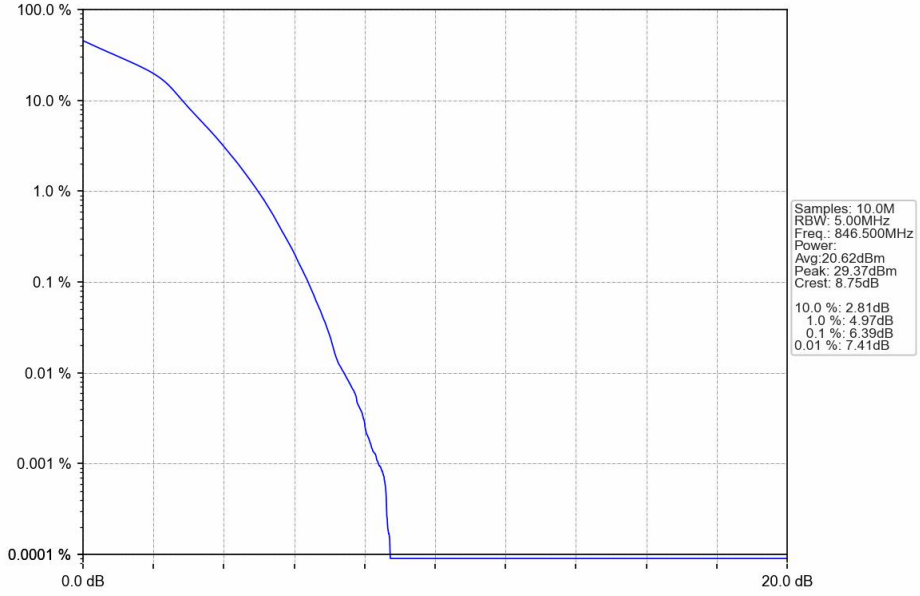
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

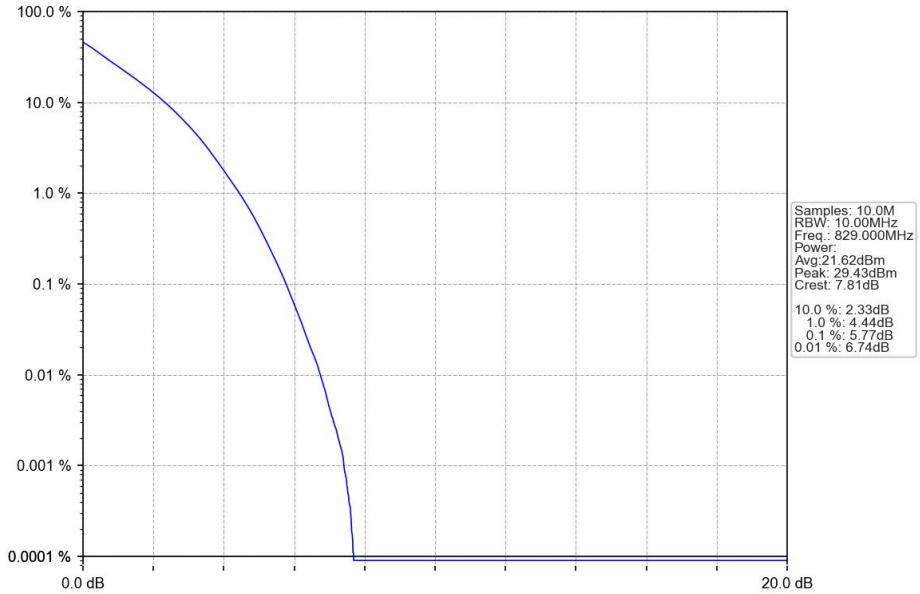
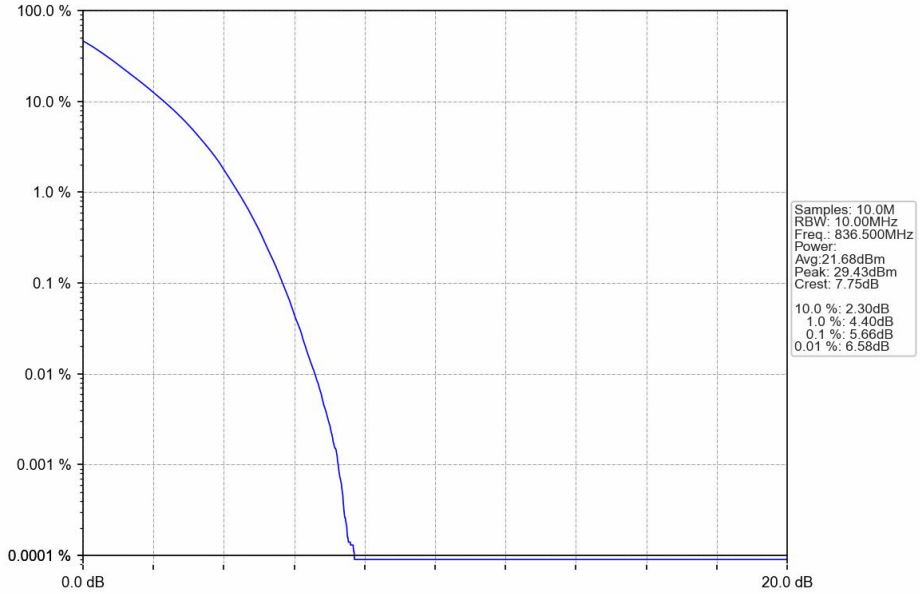


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



4.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV