

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.33	-2.13	18.05	<=38.45	Pass
			2	22.46	-2.13	18.18	<=38.45	Pass
			5	22.51	-2.13	18.23	<=38.45	Pass
		3	0	22.53	-2.13	18.25	<=38.45	Pass
			2	22.46	-2.13	18.18	<=38.45	Pass
			3	22.46	-2.13	18.18	<=38.45	Pass
		6	0	21.55	-2.13	17.27	<=38.45	Pass
	836.5	1	0	22.44	-2.13	18.16	<=38.45	Pass
			2	22.60	-2.13	18.32	<=38.45	Pass
			5	22.52	-2.13	18.24	<=38.45	Pass
		3	0	22.50	-2.13	18.22	<=38.45	Pass
			2	22.67	-2.13	18.39	<=38.45	Pass
			3	22.51	-2.13	18.23	<=38.45	Pass
		6	0	21.51	-2.13	17.23	<=38.45	Pass
	848.3	1	0	22.61	-2.13	18.33	<=38.45	Pass
			2	22.59	-2.13	18.31	<=38.45	Pass
			5	22.60	-2.13	18.32	<=38.45	Pass
		3	0	22.54	-2.13	18.26	<=38.45	Pass
			2	22.57	-2.13	18.29	<=38.45	Pass
			3	22.50	-2.13	18.22	<=38.45	Pass
		6	0	21.56	-2.13	17.28	<=38.45	Pass
16QAM	824.7	1	0	21.71	-2.13	17.43	<=38.45	Pass
			2	21.64	-2.13	17.36	<=38.45	Pass
			5	21.65	-2.13	17.37	<=38.45	Pass
		3	0	21.53	-2.13	17.25	<=38.45	Pass
			2	21.57	-2.13	17.29	<=38.45	Pass
			3	21.53	-2.13	17.25	<=38.45	Pass
		6	0	20.63	-2.13	16.35	<=38.45	Pass
	836.5	1	0	21.10	-2.13	16.82	<=38.45	Pass
			2	20.99	-2.13	16.71	<=38.45	Pass
			5	20.94	-2.13	16.66	<=38.45	Pass
		3	0	21.31	-2.13	17.03	<=38.45	Pass
			2	21.23	-2.13	16.95	<=38.45	Pass
			3	21.18	-2.13	16.90	<=38.45	Pass
		6	0	20.97	-2.13	16.69	<=38.45	Pass
	848.3	1	0	21.65	-2.13	17.37	<=38.45	Pass
			2	21.62	-2.13	17.34	<=38.45	Pass
			5	21.58	-2.13	17.30	<=38.45	Pass
		3	0	21.42	-2.13	17.14	<=38.45	Pass
			2	21.31	-2.13	17.03	<=38.45	Pass
			3	21.33	-2.13	17.05	<=38.45	Pass
		6	0	20.61	-2.13	16.33	<=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	22.46	-2.13	18.18	<=38.45	Pass
			7	22.40	-2.13	18.12	<=38.45	Pass
			14	22.49	-2.13	18.21	<=38.45	Pass
		8	0	21.57	-2.13	17.29	<=38.45	Pass
			4	21.55	-2.13	17.27	<=38.45	Pass
			7	21.44	-2.13	17.16	<=38.45	Pass
		15	0	21.64	-2.13	17.36	<=38.45	Pass
	836.5	1	0	22.65	-2.13	18.37	<=38.45	Pass
			7	22.62	-2.13	18.34	<=38.45	Pass
			14	22.67	-2.13	18.39	<=38.45	Pass
		8	0	21.46	-2.13	17.18	<=38.45	Pass
			4	21.51	-2.13	17.23	<=38.45	Pass
			7	21.47	-2.13	17.19	<=38.45	Pass
		15	0	21.47	-2.13	17.19	<=38.45	Pass
	847.5	1	0	22.67	-2.13	18.39	<=38.45	Pass
			7	22.67	-2.13	18.39	<=38.45	Pass
			14	22.54	-2.13	18.26	<=38.45	Pass
		8	0	21.60	-2.13	17.32	<=38.45	Pass
			4	21.58	-2.13	17.30	<=38.45	Pass
			7	21.52	-2.13	17.24	<=38.45	Pass
		15	0	21.65	-2.13	17.37	<=38.45	Pass
16QAM	825.5	1	0	21.96	-2.13	17.68	<=38.45	Pass
			7	21.94	-2.13	17.66	<=38.45	Pass
			14	21.82	-2.13	17.54	<=38.45	Pass
		8	0	20.74	-2.13	16.46	<=38.45	Pass
			4	20.72	-2.13	16.44	<=38.45	Pass
			7	20.81	-2.13	16.53	<=38.45	Pass
		15	0	20.63	-2.13	16.35	<=38.45	Pass
	836.5	1	0	21.52	-2.13	17.24	<=38.45	Pass
			7	21.54	-2.13	17.26	<=38.45	Pass
			14	21.51	-2.13	17.23	<=38.45	Pass
		8	0	21.01	-2.13	16.73	<=38.45	Pass
			4	21.06	-2.13	16.78	<=38.45	Pass
			7	21.02	-2.13	16.74	<=38.45	Pass
		15	0	20.99	-2.13	16.71	<=38.45	Pass
	847.5	1	0	21.14	-2.13	16.86	<=38.45	Pass
			7	21.09	-2.13	16.81	<=38.45	Pass
			14	20.96	-2.13	16.68	<=38.45	Pass
		8	0	20.76	-2.13	16.48	<=38.45	Pass
			4	20.73	-2.13	16.45	<=38.45	Pass
			7	20.66	-2.13	16.38	<=38.45	Pass
		15	0	20.64	-2.13	16.36	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.43	-2.13	18.15	<=38.45	Pass
			13	22.39	-2.13	18.11	<=38.45	Pass
			24	22.51	-2.13	18.23	<=38.45	Pass
		12	0	21.55	-2.13	17.27	<=38.45	Pass
			6	21.58	-2.13	17.30	<=38.45	Pass
			13	21.59	-2.13	17.31	<=38.45	Pass
		25	0	21.58	-2.13	17.30	<=38.45	Pass
	836.5	1	0	22.55	-2.13	18.27	<=38.45	Pass
			13	22.58	-2.13	18.30	<=38.45	Pass
			24	22.51	-2.13	18.23	<=38.45	Pass
		12	0	21.47	-2.13	17.19	<=38.45	Pass
			6	21.65	-2.13	17.37	<=38.45	Pass
			13	21.48	-2.13	17.20	<=38.45	Pass
		25	0	21.50	-2.13	17.22	<=38.45	Pass
	846.5	1	0	22.51	-2.13	18.23	<=38.45	Pass
			13	22.51	-2.13	18.23	<=38.45	Pass
			24	22.50	-2.13	18.22	<=38.45	Pass
		12	0	21.48	-2.13	17.20	<=38.45	Pass
			6	21.62	-2.13	17.34	<=38.45	Pass
			13	21.59	-2.13	17.31	<=38.45	Pass
		25	0	21.70	-2.13	17.42	<=38.45	Pass
16QAM	826.5	1	0	20.70	-2.13	16.42	<=38.45	Pass
			13	20.60	-2.13	16.32	<=38.45	Pass
			24	20.63	-2.13	16.35	<=38.45	Pass
		12	0	20.45	-2.13	16.17	<=38.45	Pass
			6	20.50	-2.13	16.22	<=38.45	Pass
			13	20.46	-2.13	16.18	<=38.45	Pass
		25	0	20.58	-2.13	16.30	<=38.45	Pass
	836.5	1	0	21.59	-2.13	17.31	<=38.45	Pass
			13	21.54	-2.13	17.26	<=38.45	Pass
			24	21.53	-2.13	17.25	<=38.45	Pass
		12	0	20.95	-2.13	16.67	<=38.45	Pass
			6	21.08	-2.13	16.80	<=38.45	Pass
			13	20.98	-2.13	16.70	<=38.45	Pass
		25	0	20.94	-2.13	16.66	<=38.45	Pass
	846.5	1	0	21.51	-2.13	17.23	<=38.45	Pass
			13	21.54	-2.13	17.26	<=38.45	Pass
			24	21.58	-2.13	17.30	<=38.45	Pass
		12	0	21.05	-2.13	16.77	<=38.45	Pass
			6	20.61	-2.13	16.33	<=38.45	Pass
			13	20.57	-2.13	16.29	<=38.45	Pass
		25	0	20.71	-2.13	16.43	<=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	22.46	-2.13	18.18	<=38.45	Pass
			25	22.48	-2.13	18.20	<=38.45	Pass
			49	22.52	-2.13	18.24	<=38.45	Pass
		25	0	21.60	-2.13	17.32	<=38.45	Pass
			13	21.60	-2.13	17.32	<=38.45	Pass
			25	21.68	-2.13	17.40	<=38.45	Pass
		50	0	21.49	-2.13	17.21	<=38.45	Pass
	836.5	1	0	22.39	-2.13	18.11	<=38.45	Pass
			25	22.51	-2.13	18.23	<=38.45	Pass
			49	22.63	-2.13	18.35	<=38.45	Pass
		25	0	21.45	-2.13	17.17	<=38.45	Pass
			13	21.65	-2.13	17.37	<=38.45	Pass
			25	21.51	-2.13	17.23	<=38.45	Pass
		50	0	21.45	-2.13	17.17	<=38.45	Pass
	844	1	0	22.53	-2.13	18.25	<=38.45	Pass
			25	22.48	-2.13	18.20	<=38.45	Pass
			49	22.56	-2.13	18.28	<=38.45	Pass
		25	0	21.56	-2.13	17.28	<=38.45	Pass
			13	21.61	-2.13	17.33	<=38.45	Pass
			25	21.57	-2.13	17.29	<=38.45	Pass
		50	0	21.46	-2.13	17.18	<=38.45	Pass
16QAM	829	1	0	22.05	-2.13	17.77	<=38.45	Pass
			25	21.85	-2.13	17.57	<=38.45	Pass
			49	22.36	-2.13	18.08	<=38.45	Pass
		25	0	20.59	-2.13	16.31	<=38.45	Pass
			13	20.58	-2.13	16.30	<=38.45	Pass
			25	20.56	-2.13	16.28	<=38.45	Pass
		50	0	20.48	-2.13	16.20	<=38.45	Pass
	836.5	1	0	21.75	-2.13	17.47	<=38.45	Pass
			25	21.63	-2.13	17.35	<=38.45	Pass
			49	21.75	-2.13	17.47	<=38.45	Pass
		25	0	21.07	-2.13	16.79	<=38.45	Pass
			13	21.07	-2.13	16.79	<=38.45	Pass
			25	21.11	-2.13	16.83	<=38.45	Pass
		50	0	21.09	-2.13	16.81	<=38.45	Pass
	844	1	0	20.99	-2.13	16.71	<=38.45	Pass
			25	21.04	-2.13	16.76	<=38.45	Pass
			49	21.01	-2.13	16.73	<=38.45	Pass
		25	0	20.77	-2.13	16.49	<=38.45	Pass
			13	21.08	-2.13	16.80	<=38.45	Pass
			25	20.75	-2.13	16.47	<=38.45	Pass
		50	0	20.91	-2.13	16.63	<=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	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	824.7	6	0	20	3.27	1.788	0.0022	-2.5 to 2.5	Pass
					3.85	4.535	0.0055	-2.5 to 2.5	Pass
					4.43	10.886	0.0132	-2.5 to 2.5	Pass
				-30	3.85	18.954	0.0230	-2.5 to 2.5	Pass
				-20	3.85	28.281	0.0343	-2.5 to 2.5	Pass
				-10	3.85	37.694	0.0457	-2.5 to 2.5	Pass
				0	3.85	44.661	0.0542	-2.5 to 2.5	Pass
				10	3.85	4.535	0.0055	-2.5 to 2.5	Pass
				30	3.85	13.189	0.0160	-2.5 to 2.5	Pass
				40	3.85	21.257	0.0258	-2.5 to 2.5	Pass
				50	3.85	28.224	0.0342	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.303	-0.0028	-2.5 to 2.5	Pass
					3.85	0.658	0.0008	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-10.858	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-18.082	-0.0216	-2.5 to 2.5	Pass
				0	3.85	-26.464	-0.0316	-2.5 to 2.5	Pass
				10	3.85	-32.501	-0.0389	-2.5 to 2.5	Pass
				30	3.85	-39.210	-0.0469	-2.5 to 2.5	Pass
				40	3.85	-45.676	-0.0546	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0046	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.490	-0.0041	-2.5 to 2.5	Pass
					3.85	2.704	0.0032	-2.5 to 2.5	Pass
					4.43	8.612	0.0102	-2.5 to 2.5	Pass
				-30	3.85	15.264	0.0180	-2.5 to 2.5	Pass
				-20	3.85	19.369	0.0228	-2.5 to 2.5	Pass
				-10	3.85	22.230	0.0262	-2.5 to 2.5	Pass
				0	3.85	20.857	0.0246	-2.5 to 2.5	Pass
				10	3.85	16.179	0.0191	-2.5 to 2.5	Pass
				30	3.85	9.913	0.0117	-2.5 to 2.5	Pass
				40	3.85	3.963	0.0047	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	36.249	0.0440	-2.5 to 2.5	Pass
					3.85	41.699	0.0506	-2.5 to 2.5	Pass
					4.43	0.572	0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.794	0.0070	-2.5 to 2.5	Pass
				-20	3.85	13.061	0.0158	-2.5 to 2.5	Pass
				-10	3.85	20.413	0.0248	-2.5 to 2.5	Pass
				0	3.85	27.080	0.0328	-2.5 to 2.5	Pass
				10	3.85	31.786	0.0385	-2.5 to 2.5	Pass
				30	3.85	36.764	0.0446	-2.5 to 2.5	Pass
				40	3.85	41.027	0.0497	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-8.941	-0.0107	-2.5 to 2.5	Pass
					3.85	-14.520	-0.0174	-2.5 to 2.5	Pass
					4.43	-20.585	-0.0246	-2.5 to 2.5	Pass
				-30	3.85	-24.991	-0.0299	-2.5 to 2.5	Pass
				-20	3.85	-29.840	-0.0357	-2.5 to 2.5	Pass
				-10	3.85	-35.219	-0.0421	-2.5 to 2.5	Pass
				0	3.85	-39.196	-0.0469	-2.5 to 2.5	Pass
				10	3.85	-39.296	-0.0470	-2.5 to 2.5	Pass
				30	3.85	-36.378	-0.0435	-2.5 to 2.5	Pass
				40	3.85	-31.085	-0.0372	-2.5 to 2.5	Pass
				50	3.85	-25.005	-0.0299	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-9.398	-0.0111	-2.5 to 2.5	Pass
					3.85	-15.078	-0.0178	-2.5 to 2.5	Pass
					4.43	-43.216	-0.0509	-2.5 to 2.5	Pass

				-30	3.85	-25.234	-0.0297	-2.5 to 2.5	Pass
				-20	3.85	-21.472	-0.0253	-2.5 to 2.5	Pass
				-10	3.85	-15.764	-0.0186	-2.5 to 2.5	Pass
				0	3.85	-8.326	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0006	-2.5 to 2.5	Pass
				30	3.85	7.052	0.0083	-2.5 to 2.5	Pass
				40	3.85	14.391	0.0170	-2.5 to 2.5	Pass
				50	3.85	20.971	0.0247	-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	-10.042	-0.0122	-2.5 to 2.5	Pass
					3.85	-9.971	-0.0121	-2.5 to 2.5	Pass
					4.43	-14.005	-0.0170	-2.5 to 2.5	Pass
				-30	3.85	-20.471	-0.0248	-2.5 to 2.5	Pass
				-20	3.85	-24.562	-0.0298	-2.5 to 2.5	Pass
				-10	3.85	-30.441	-0.0369	-2.5 to 2.5	Pass
				0	3.85	-35.706	-0.0433	-2.5 to 2.5	Pass
				10	3.85	-41.857	-0.0507	-2.5 to 2.5	Pass
				30	3.85	1.273	0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0059	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-5.708	-0.0068	-2.5 to 2.5	Pass
					3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-8.883	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-14.834	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-22.416	-0.0268	-2.5 to 2.5	Pass
				0	3.85	-30.198	-0.0361	-2.5 to 2.5	Pass
				10	3.85	-37.465	-0.0448	-2.5 to 2.5	Pass
				30	3.85	-45.333	-0.0542	-2.5 to 2.5	Pass
				40	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.712	-0.0104	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-4.807	-0.0057	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-9.842	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-16.165	-0.0191	-2.5 to 2.5	Pass
				-10	3.85	-23.847	-0.0281	-2.5 to 2.5	Pass
				0	3.85	-32.229	-0.0380	-2.5 to 2.5	Pass
				10	3.85	-39.239	-0.0463	-2.5 to 2.5	Pass
				30	3.85	-46.663	-0.0551	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-14.005	-0.0165	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-1.688	-0.0020	-2.5 to 2.5	Pass
					3.85	4.692	0.0057	-2.5 to 2.5	Pass
					4.43	11.044	0.0134	-2.5 to 2.5	Pass
				-30	3.85	18.625	0.0226	-2.5 to 2.5	Pass
				-20	3.85	25.964	0.0315	-2.5 to 2.5	Pass
				-10	3.85	33.445	0.0405	-2.5 to 2.5	Pass
				0	3.85	40.684	0.0493	-2.5 to 2.5	Pass
				10	3.85	17.295	0.0210	-2.5 to 2.5	Pass

	836.5	15	0	30	3.85	4.134	0.0050	-2.5 to 2.5	Pass
				40	3.85	10.686	0.0129	-2.5 to 2.5	Pass
				50	3.85	14.992	0.0182	-2.5 to 2.5	Pass
				20	3.27	-11.802	-0.0141	-2.5 to 2.5	Pass
					3.85	-10.099	-0.0121	-2.5 to 2.5	Pass
					4.43	-6.080	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.264	0.0063	-2.5 to 2.5	Pass
				-10	3.85	11.358	0.0136	-2.5 to 2.5	Pass
				0	3.85	17.438	0.0208	-2.5 to 2.5	Pass
				10	3.85	22.330	0.0267	-2.5 to 2.5	Pass
				30	3.85	28.639	0.0342	-2.5 to 2.5	Pass
				40	3.85	33.302	0.0398	-2.5 to 2.5	Pass
				50	3.85	39.153	0.0468	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-19.941	-0.0235	-2.5 to 2.5	Pass
					3.85	-19.898	-0.0235	-2.5 to 2.5	Pass
					4.43	-15.650	-0.0185	-2.5 to 2.5	Pass
				-30	3.85	-10.228	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	2.289	0.0027	-2.5 to 2.5	Pass
				0	3.85	8.640	0.0102	-2.5 to 2.5	Pass
				10	3.85	14.062	0.0166	-2.5 to 2.5	Pass
				30	3.85	20.356	0.0240	-2.5 to 2.5	Pass
				40	3.85	26.364	0.0311	-2.5 to 2.5	Pass
				50	3.85	31.285	0.0369	-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	-7.367	-0.0089	-2.5 to 2.5	Pass
					3.85	-9.770	-0.0118	-2.5 to 2.5	Pass
					4.43	-13.175	-0.0159	-2.5 to 2.5	Pass
				-30	3.85	-19.169	-0.0232	-2.5 to 2.5	Pass
				-20	3.85	-26.307	-0.0318	-2.5 to 2.5	Pass
				-10	3.85	-32.988	-0.0399	-2.5 to 2.5	Pass
				0	3.85	-38.996	-0.0472	-2.5 to 2.5	Pass
				10	3.85	-47.235	-0.0572	-2.5 to 2.5	Pass
				30	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-7.052	-0.0084	-2.5 to 2.5	Pass
					3.85	-4.849	-0.0058	-2.5 to 2.5	Pass
					4.43	-7.110	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-13.461	-0.0161	-2.5 to 2.5	Pass
				-20	3.85	-20.185	-0.0241	-2.5 to 2.5	Pass
				-10	3.85	-27.294	-0.0326	-2.5 to 2.5	Pass
				0	3.85	-35.620	-0.0426	-2.5 to 2.5	Pass
				10	3.85	-43.259	-0.0517	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-11.058	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-16.479	-0.0197	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	5.178	0.0061	-2.5 to 2.5	Pass
					3.85	7.339	0.0087	-2.5 to 2.5	Pass
					4.43	10.514	0.0124	-2.5 to 2.5	Pass
				-30	3.85	14.577	0.0172	-2.5 to 2.5	Pass

16QAM	826.5	25	0	-20	3.85	18.239	0.0215	-2.5 to 2.5	Pass
				-10	3.85	19.197	0.0227	-2.5 to 2.5	Pass
				0	3.85	23.575	0.0278	-2.5 to 2.5	Pass
				10	3.85	26.550	0.0314	-2.5 to 2.5	Pass
				30	3.85	29.540	0.0349	-2.5 to 2.5	Pass
				40	3.85	32.229	0.0381	-2.5 to 2.5	Pass
				50	3.85	34.976	0.0413	-2.5 to 2.5	Pass
				20	3.27	4.292	0.0052	-2.5 to 2.5	Pass
					3.85	10.529	0.0127	-2.5 to 2.5	Pass
					4.43	18.082	0.0219	-2.5 to 2.5	Pass
				-30	3.85	24.033	0.0291	-2.5 to 2.5	Pass
				-20	3.85	30.413	0.0368	-2.5 to 2.5	Pass
				-10	3.85	36.249	0.0439	-2.5 to 2.5	Pass
				0	3.85	42.686	0.0516	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	3.85	5.379	0.0065	-2.5 to 2.5	Pass
				40	3.85	10.514	0.0127	-2.5 to 2.5	Pass
				50	3.85	16.308	0.0197	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-17.509	-0.0209	-2.5 to 2.5	Pass
					3.85	-14.620	-0.0175	-2.5 to 2.5	Pass
					4.43	-9.613	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.678	0.0056	-2.5 to 2.5	Pass
				0	3.85	9.212	0.0110	-2.5 to 2.5	Pass
				10	3.85	16.365	0.0196	-2.5 to 2.5	Pass
				30	3.85	23.031	0.0275	-2.5 to 2.5	Pass
				40	3.85	28.467	0.0340	-2.5 to 2.5	Pass
				50	3.85	33.402	0.0399	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	37.909	0.0448	-2.5 to 2.5	Pass
					3.85	41.914	0.0495	-2.5 to 2.5	Pass
					4.43	44.746	0.0529	-2.5 to 2.5	Pass
				-30	3.85	47.607	0.0562	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				10	3.85	4.020	0.0047	-2.5 to 2.5	Pass
				30	3.85	5.422	0.0064	-2.5 to 2.5	Pass
				40	3.85	8.154	0.0096	-2.5 to 2.5	Pass
				50	3.85	11.172	0.0132	-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	-5.093	-0.0061	-2.5 to 2.5	Pass
					3.85	-10.343	-0.0125	-2.5 to 2.5	Pass
					4.43	-21.057	-0.0254	-2.5 to 2.5	Pass
				-30	3.85	-32.916	-0.0397	-2.5 to 2.5	Pass
				-20	3.85	-44.060	-0.0531	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-18.554	-0.0224	-2.5 to 2.5	Pass
				10	3.85	-30.742	-0.0371	-2.5 to 2.5	Pass
				30	3.85	-40.770	-0.0492	-2.5 to 2.5	Pass

16QAM	836.5	50	0	40	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-15.135	-0.0183	-2.5 to 2.5	Pass
				20	3.27	0.086	0.0001	-2.5 to 2.5	Pass
					3.85	6.523	0.0078	-2.5 to 2.5	Pass
					4.43	12.431	0.0149	-2.5 to 2.5	Pass
				-30	3.85	17.982	0.0215	-2.5 to 2.5	Pass
				-20	3.85	24.762	0.0296	-2.5 to 2.5	Pass
				-10	3.85	30.098	0.0360	-2.5 to 2.5	Pass
				0	3.85	33.703	0.0403	-2.5 to 2.5	Pass
				10	3.85	38.910	0.0465	-2.5 to 2.5	Pass
				30	3.85	42.186	0.0504	-2.5 to 2.5	Pass
				40	3.85	46.563	0.0557	-2.5 to 2.5	Pass
				50	3.85	1.130	0.0014	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-2.089	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0051	-2.5 to 2.5	Pass
					4.43	-11.873	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-23.704	-0.0281	-2.5 to 2.5	Pass
				-20	3.85	-37.036	-0.0439	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-13.003	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-25.434	-0.0301	-2.5 to 2.5	Pass
				30	3.85	-37.608	-0.0446	-2.5 to 2.5	Pass
				40	3.85	-7.968	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-18.554	-0.0220	-2.5 to 2.5	Pass
	829	50	0	20	3.27	-24.791	-0.0299	-2.5 to 2.5	Pass
					3.85	-31.371	-0.0378	-2.5 to 2.5	Pass
					4.43	-32.816	-0.0396	-2.5 to 2.5	Pass
				-30	3.85	-29.025	-0.0350	-2.5 to 2.5	Pass
				-20	3.85	-21.000	-0.0253	-2.5 to 2.5	Pass
				-10	3.85	-12.774	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				10	3.85	5.894	0.0071	-2.5 to 2.5	Pass
				30	3.85	14.462	0.0174	-2.5 to 2.5	Pass
				40	3.85	21.286	0.0257	-2.5 to 2.5	Pass
				50	3.85	29.626	0.0357	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	4.191	0.0050	-2.5 to 2.5	Pass
					3.85	8.941	0.0107	-2.5 to 2.5	Pass
					4.43	12.674	0.0152	-2.5 to 2.5	Pass
				-30	3.85	15.578	0.0186	-2.5 to 2.5	Pass
				-20	3.85	19.226	0.0230	-2.5 to 2.5	Pass
				-10	3.85	22.116	0.0264	-2.5 to 2.5	Pass
				0	3.85	24.705	0.0295	-2.5 to 2.5	Pass
				10	3.85	27.881	0.0333	-2.5 to 2.5	Pass
				30	3.85	30.684	0.0367	-2.5 to 2.5	Pass
				40	3.85	33.045	0.0395	-2.5 to 2.5	Pass
				50	3.85	37.079	0.0443	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-29.669	-0.0352	-2.5 to 2.5	Pass
					3.85	-38.137	-0.0452	-2.5 to 2.5	Pass
					4.43	-47.793	-0.0566	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-13.690	-0.0162	-2.5 to 2.5	Pass
				-10	3.85	-21.114	-0.0250	-2.5 to 2.5	Pass
				0	3.85	-29.182	-0.0346	-2.5 to 2.5	Pass
				10	3.85	-29.125	-0.0345	-2.5 to 2.5	Pass
				30	3.85	-24.419	-0.0289	-2.5 to 2.5	Pass
				40	3.85	-16.437	-0.0195	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0071	-2.5 to 2.5	Pass



3. Modulation Characteristics

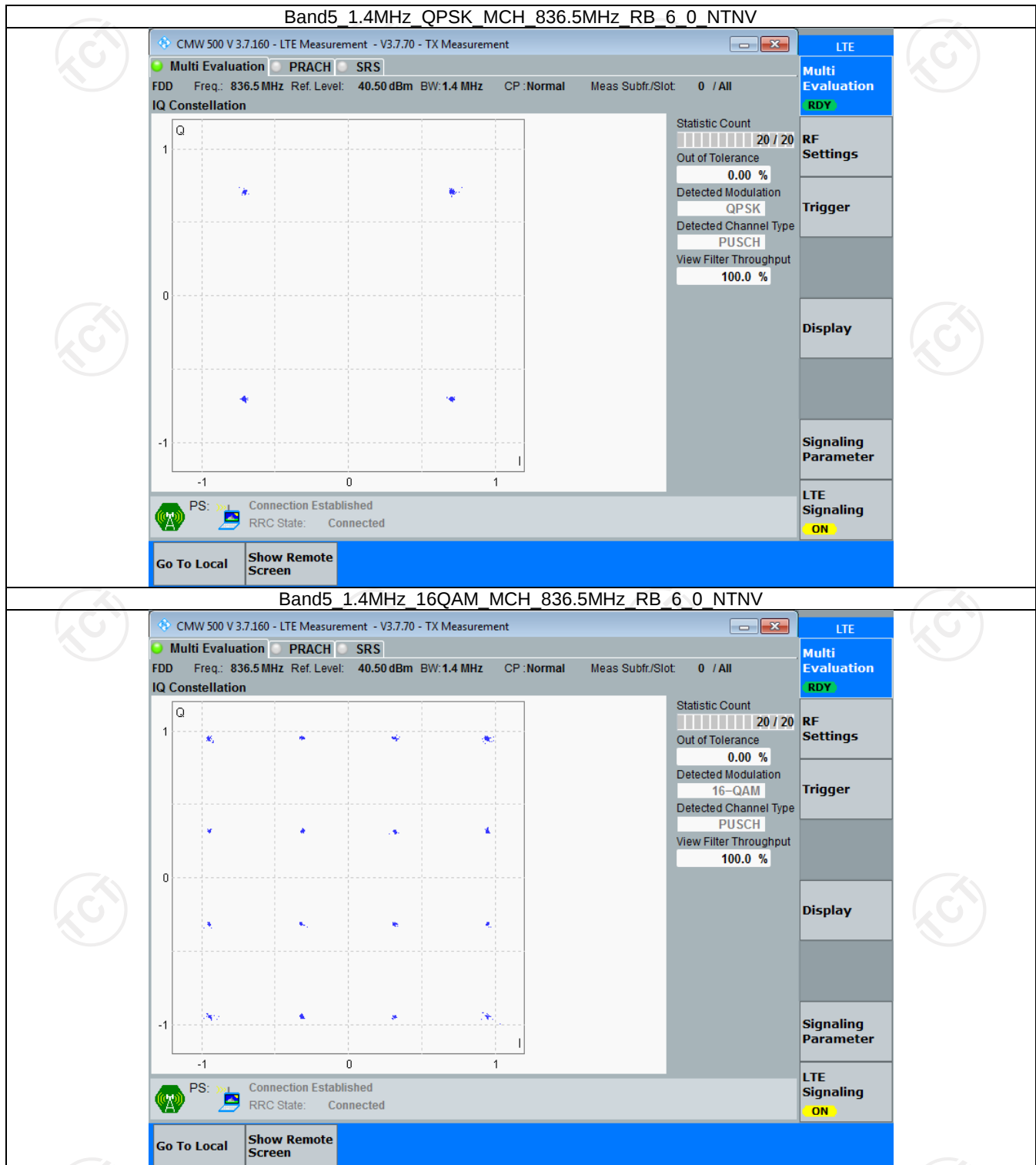
3.1 B5_1.4MHz

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



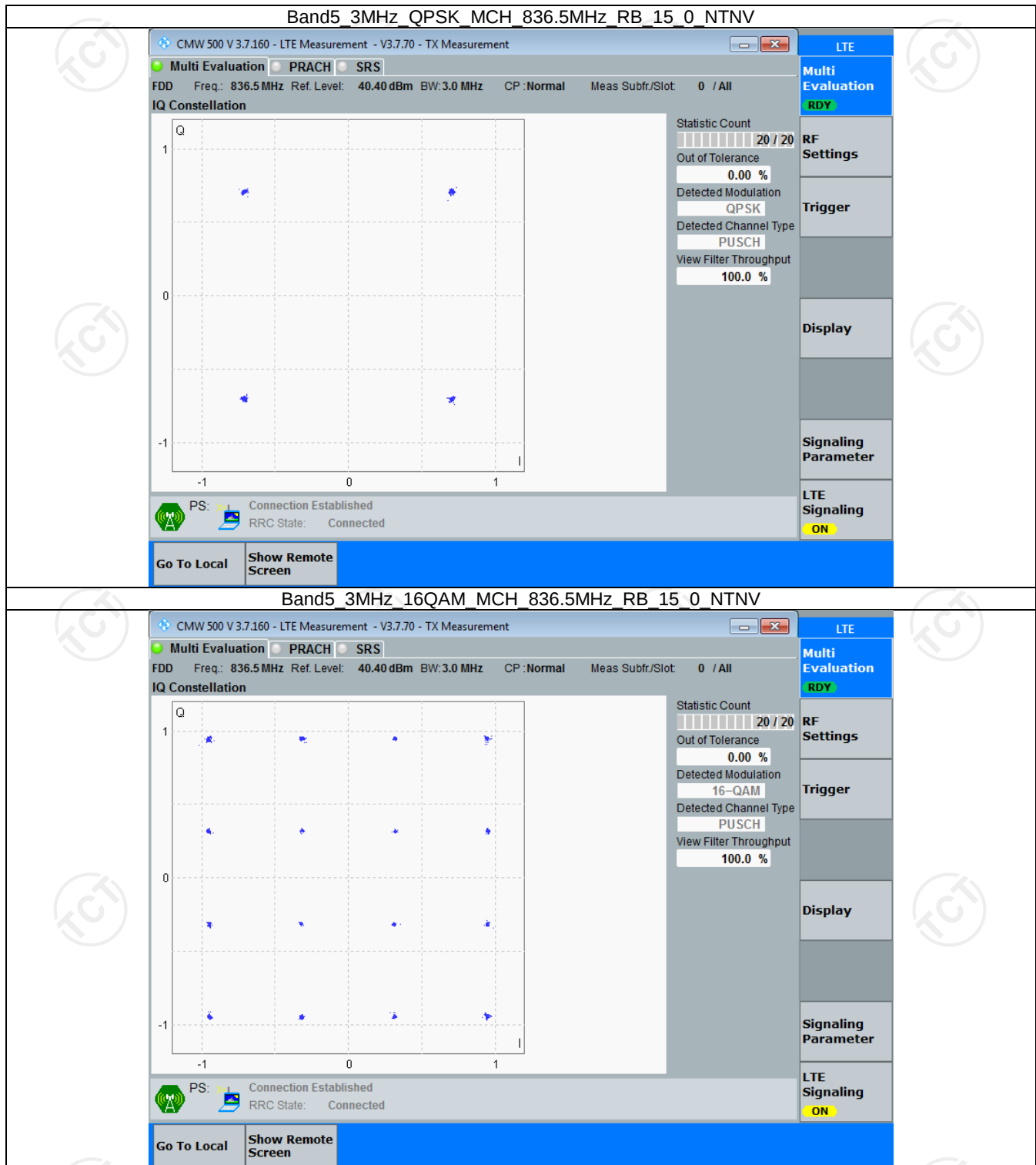


3.2 B5_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph



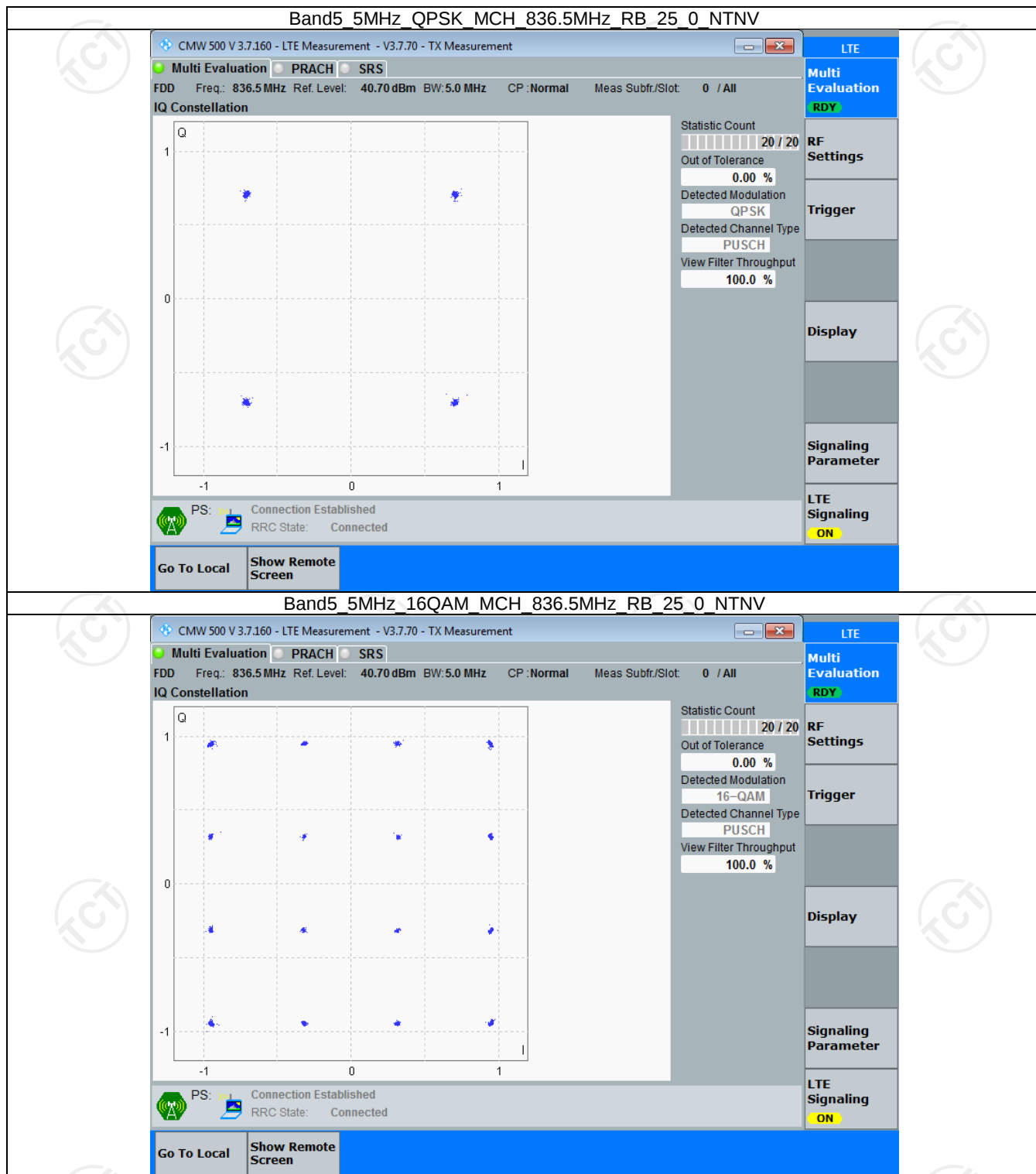


3.3 B5_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph



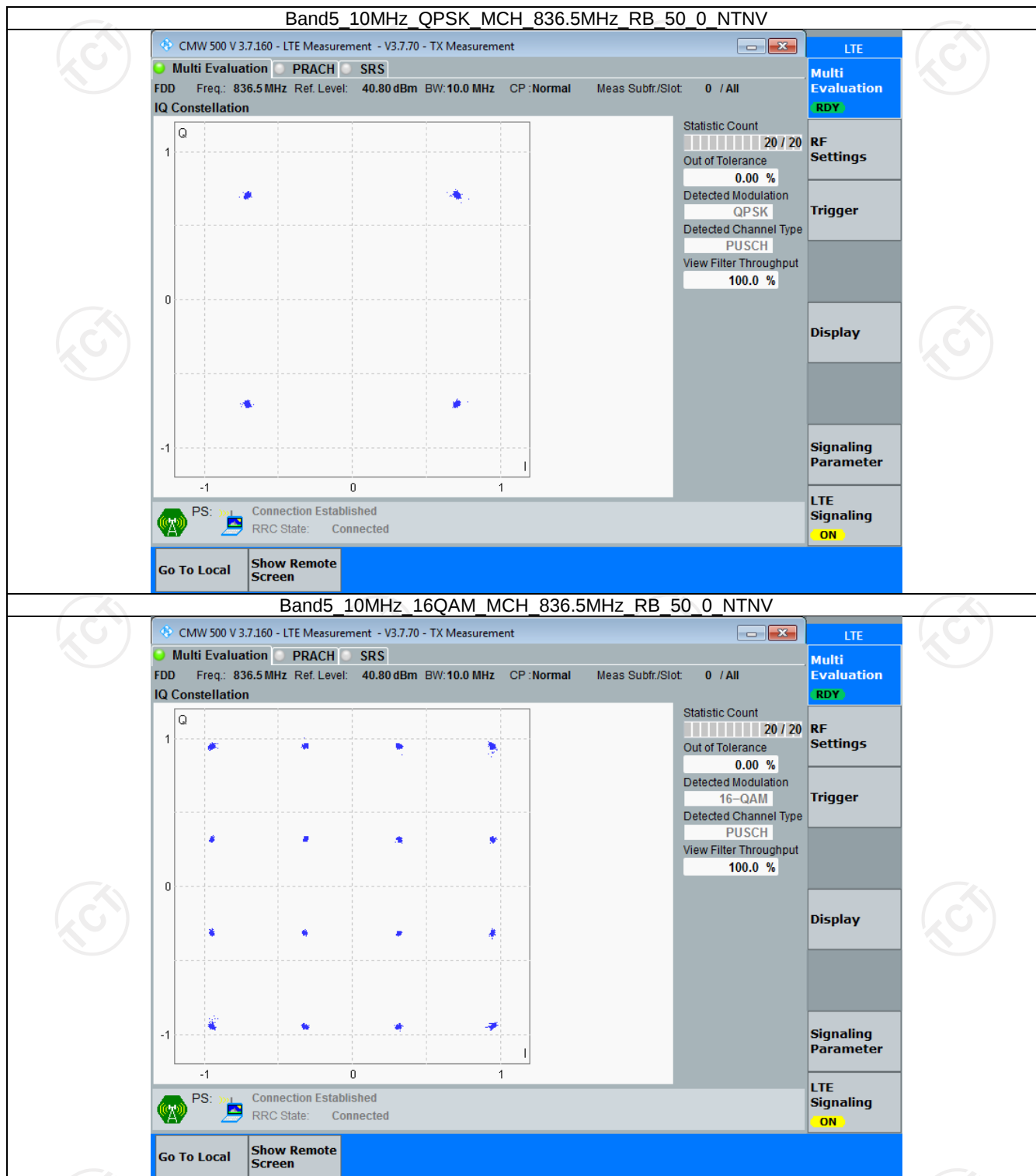


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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



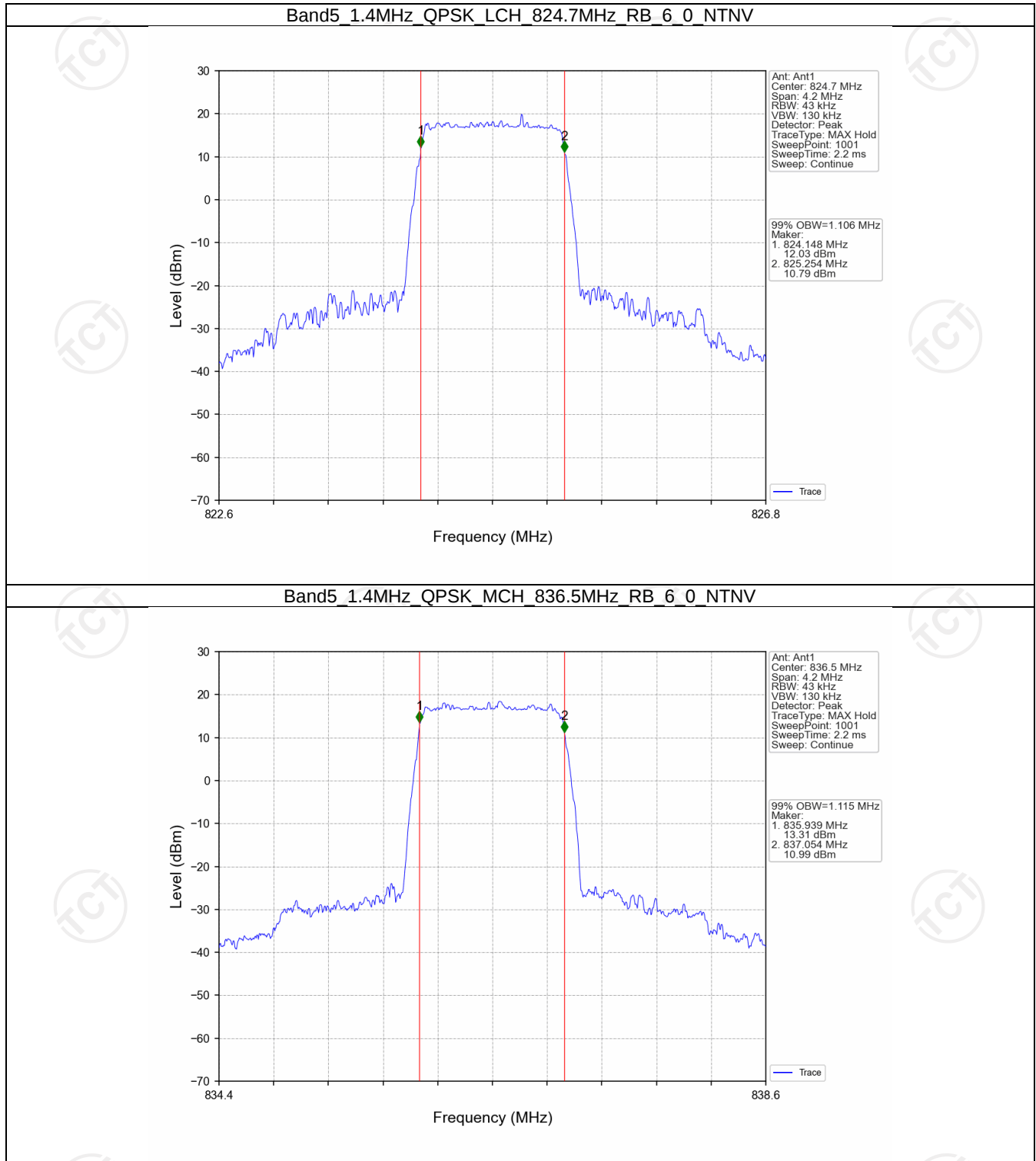
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

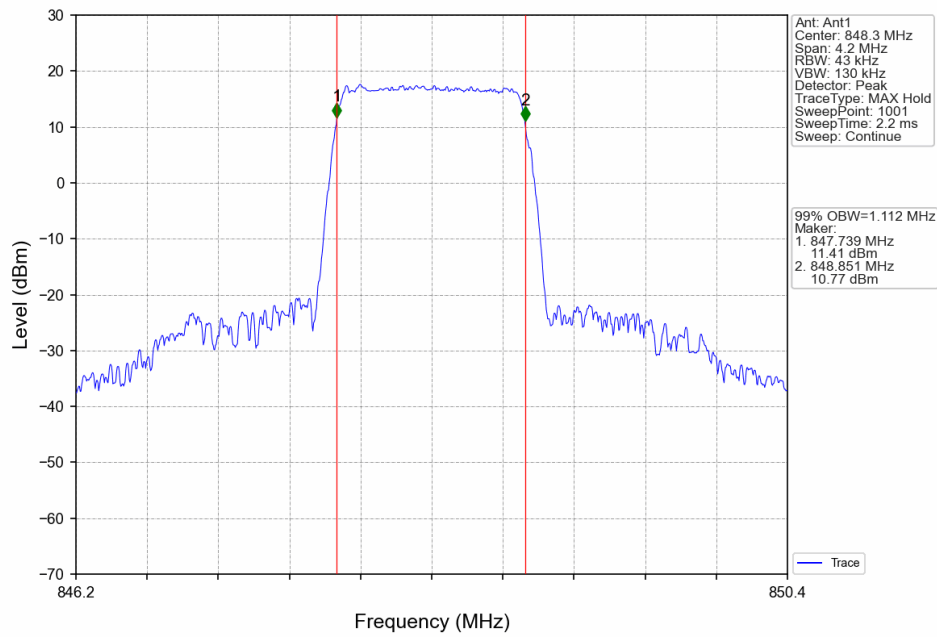
4.1.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.106	Pass
		836.5	6	0	1.115	Pass
		848.3	6	0	1.112	Pass
	16QAM	824.7	6	0	1.102	Pass
		836.5	6	0	1.112	Pass
		848.3	6	0	1.115	Pass
3	QPSK	825.5	15	0	2.762	Pass
		836.5	15	0	2.768	Pass
		847.5	15	0	2.763	Pass
	16QAM	825.5	15	0	2.760	Pass
		836.5	15	0	2.742	Pass
		847.5	15	0	2.753	Pass
5	QPSK	826.5	25	0	4.558	Pass
		836.5	25	0	4.555	Pass
		846.5	25	0	4.549	Pass
	16QAM	826.5	25	0	4.558	Pass
		836.5	25	0	4.550	Pass
		846.5	25	0	4.559	Pass
10	QPSK	829	50	0	9.085	Pass
		836.5	50	0	9.029	Pass
		844	50	0	9.099	Pass
	16QAM	829	50	0	9.059	Pass
		836.5	50	0	9.050	Pass
		844	50	0	9.065	Pass

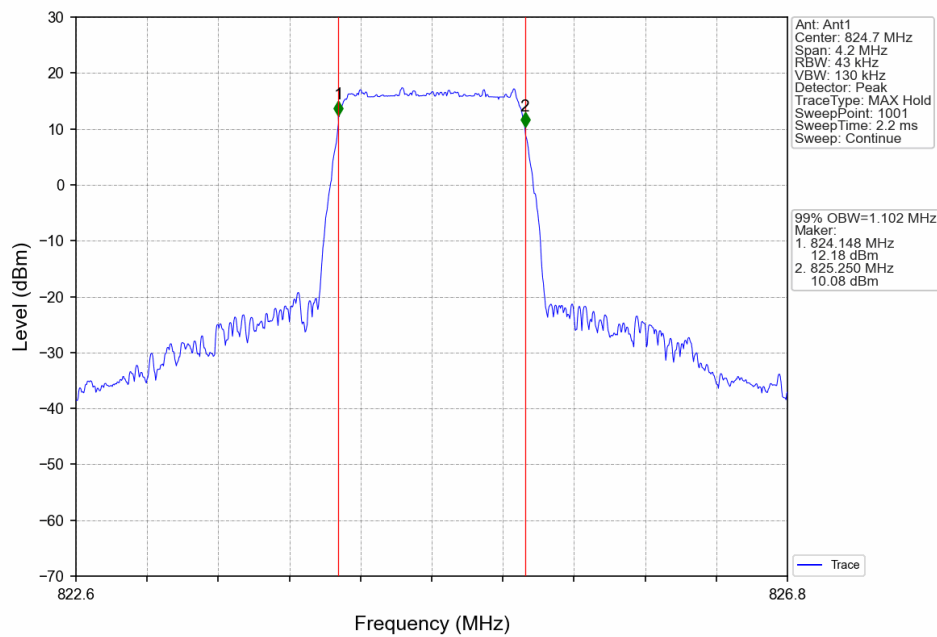
4.1.2 Test Graph



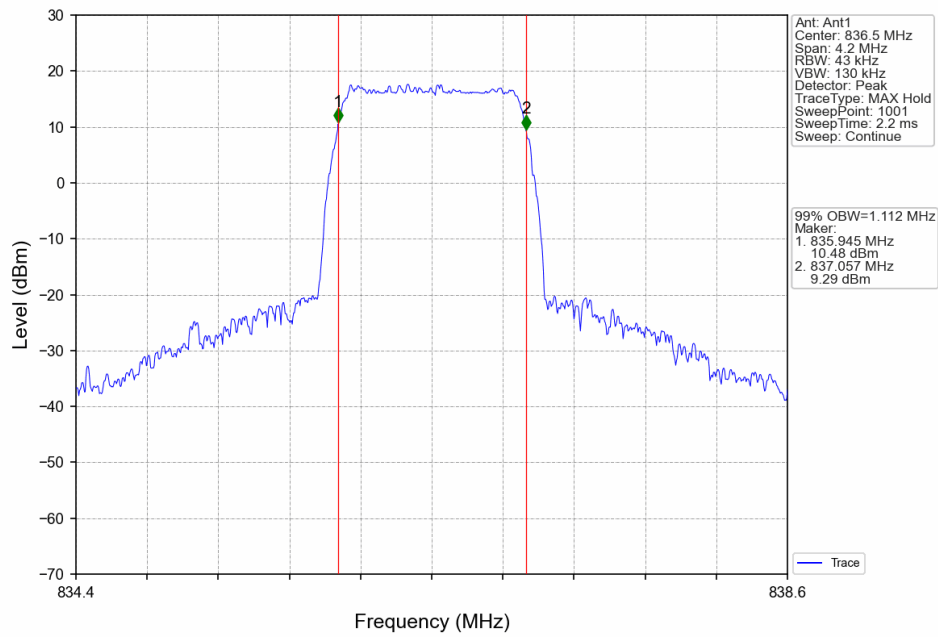
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



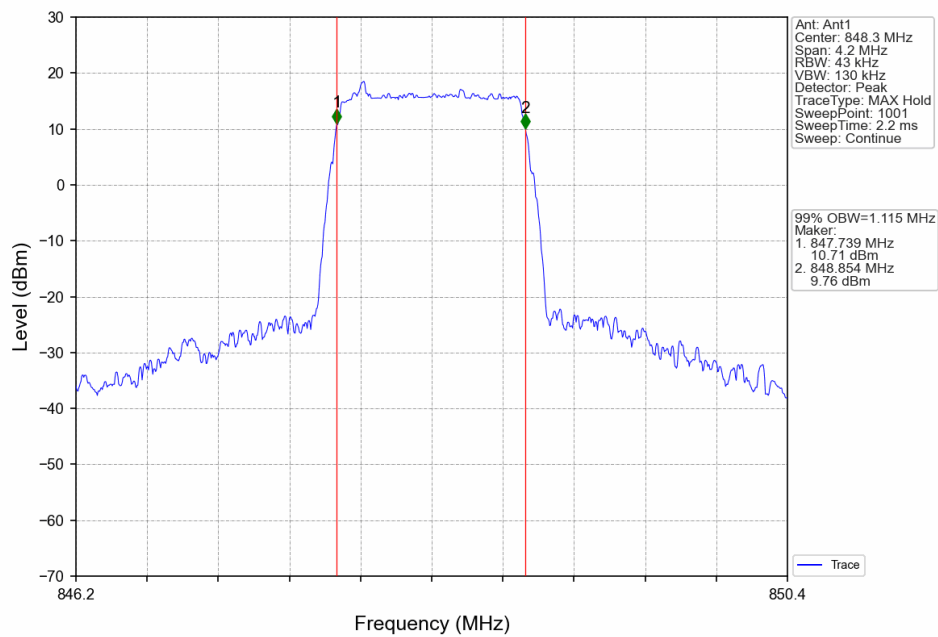
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



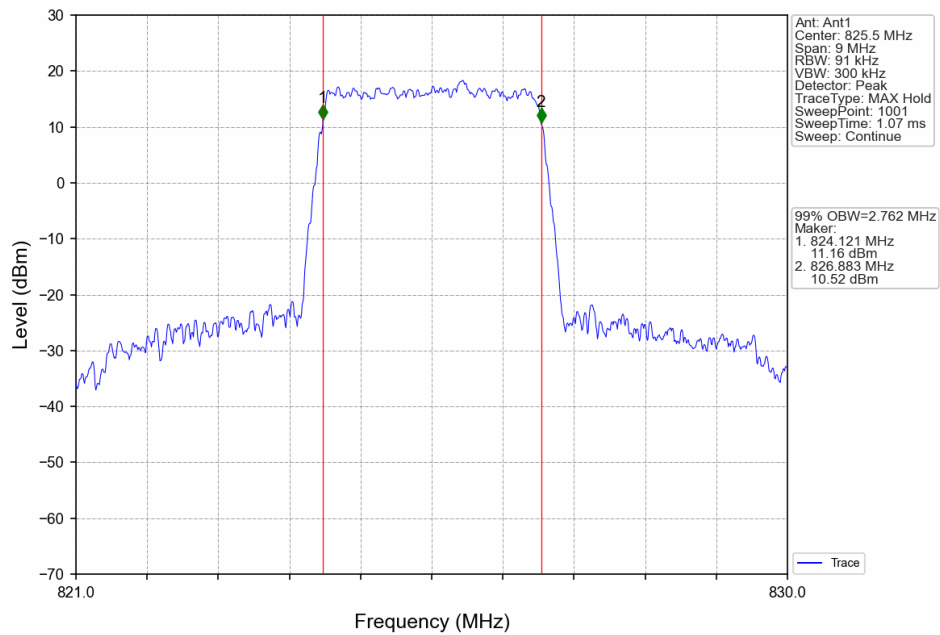
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



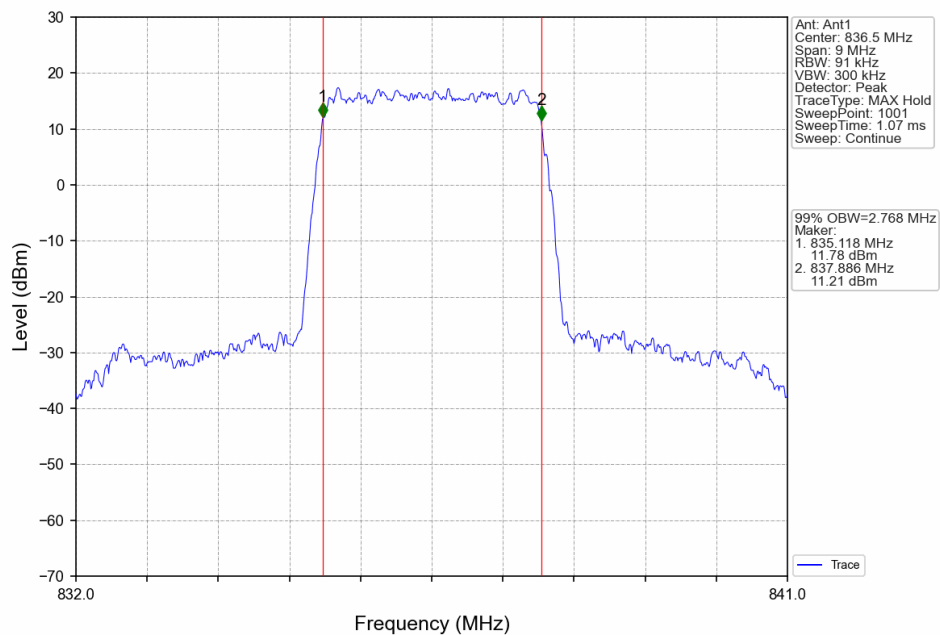
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



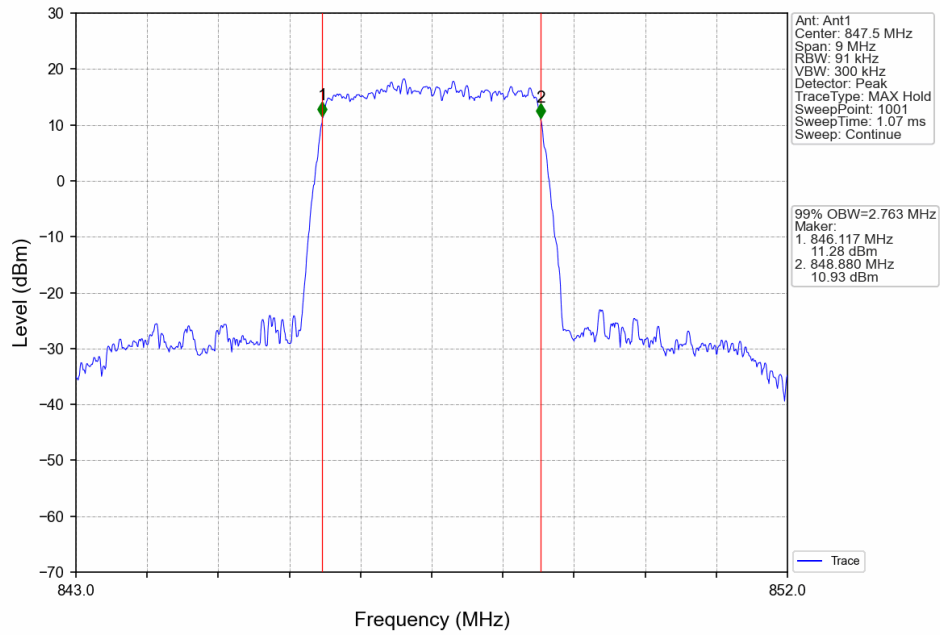
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



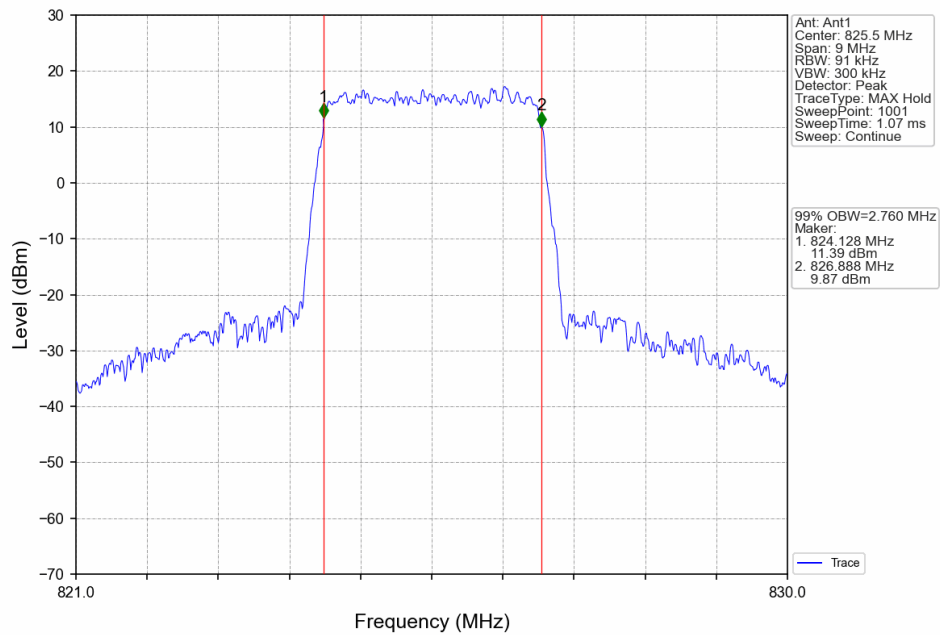
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



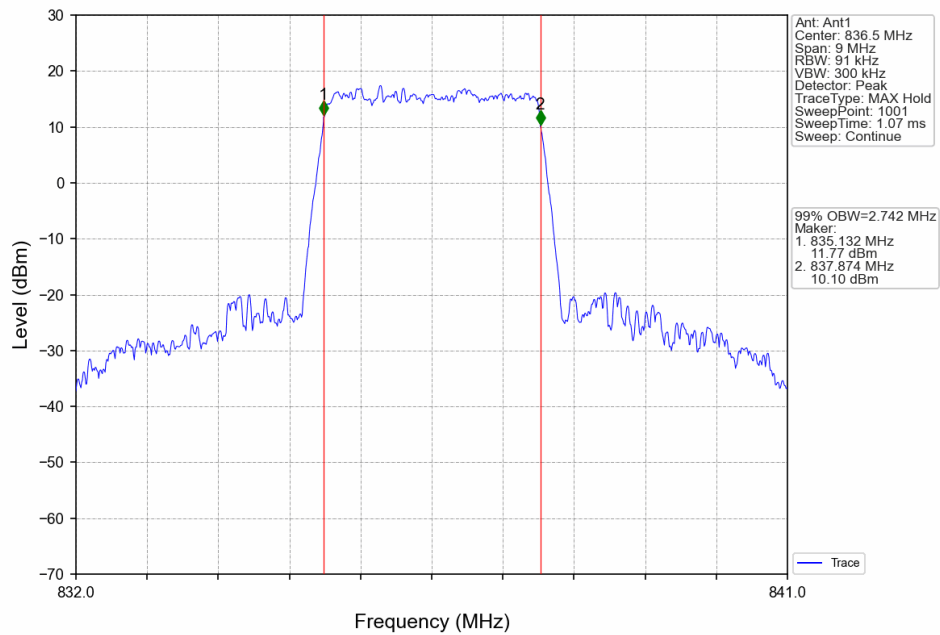
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



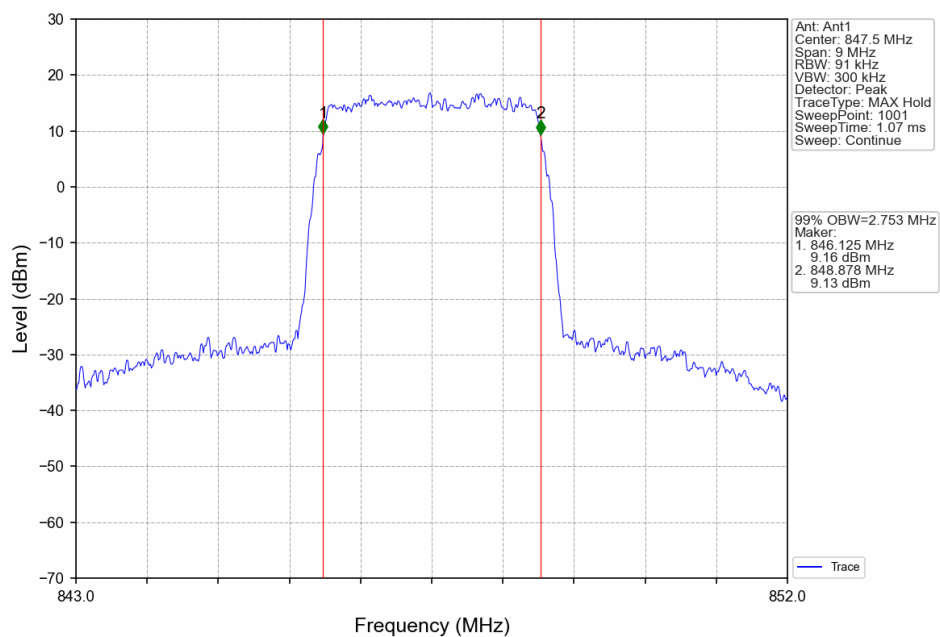
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



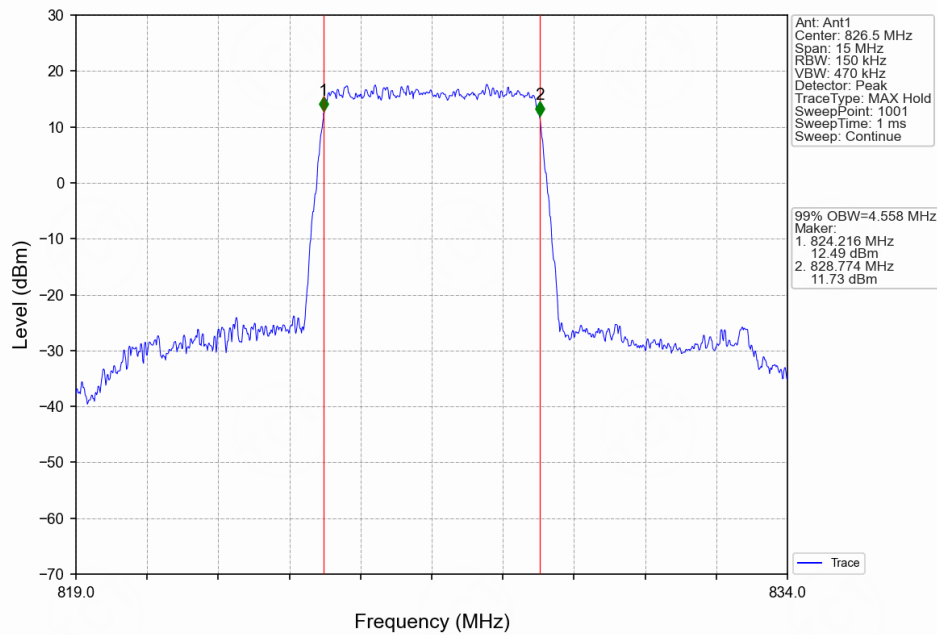
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



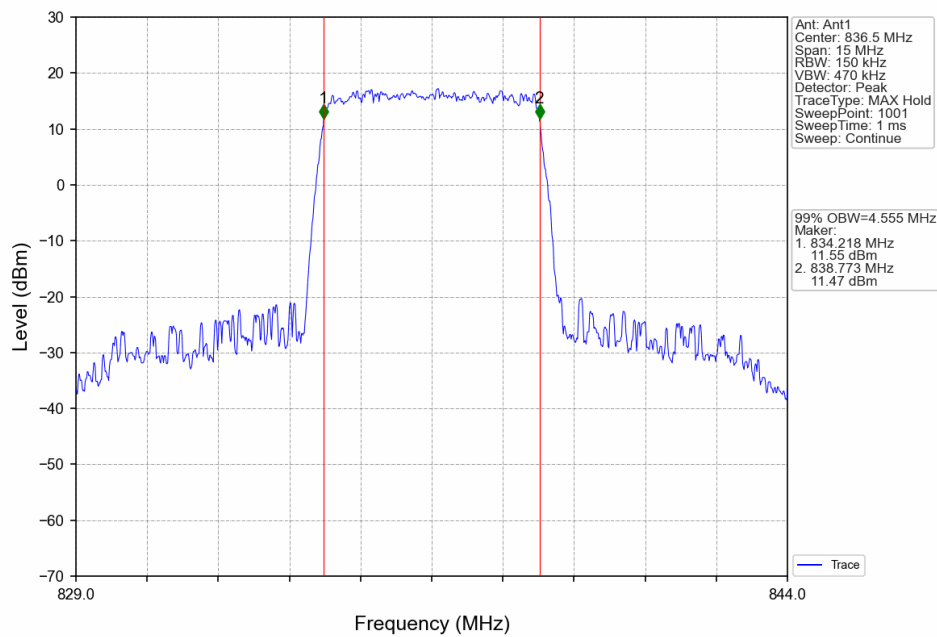
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



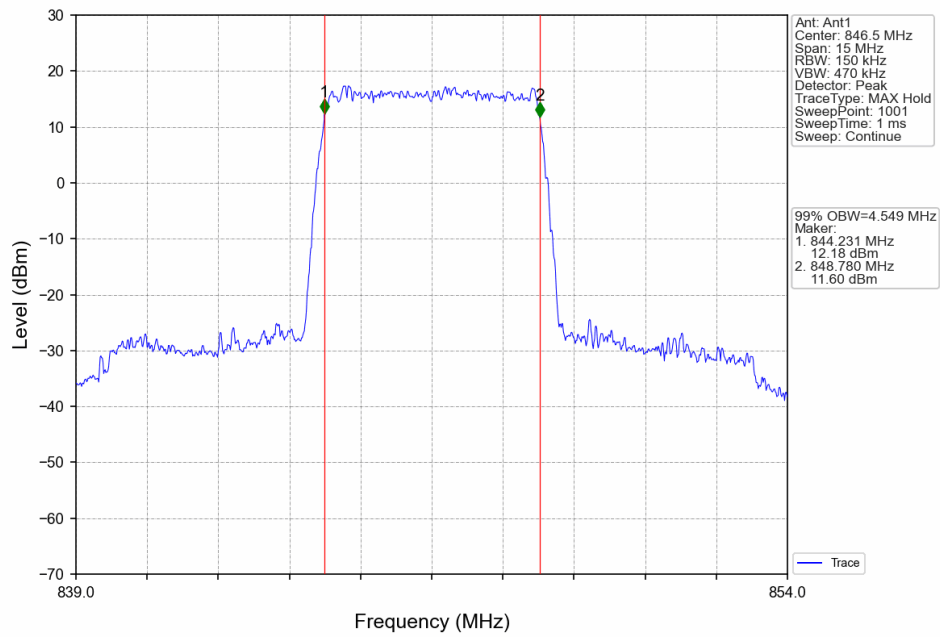
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



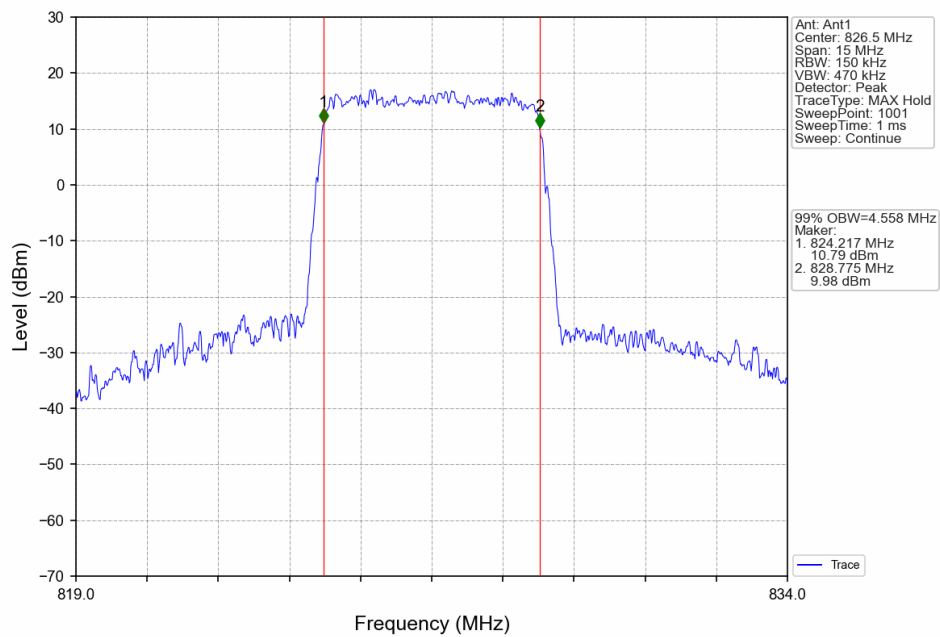
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



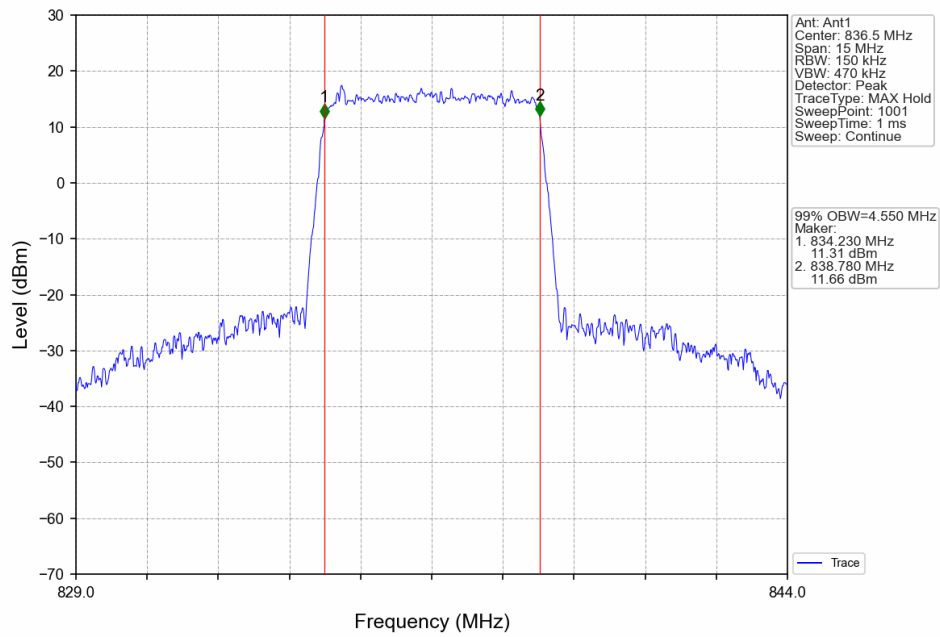
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



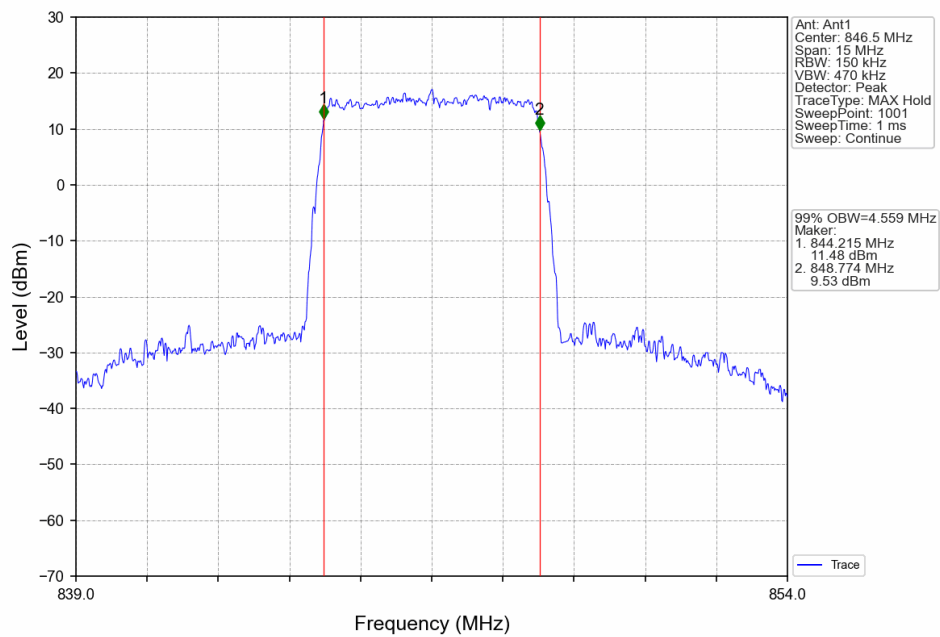
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



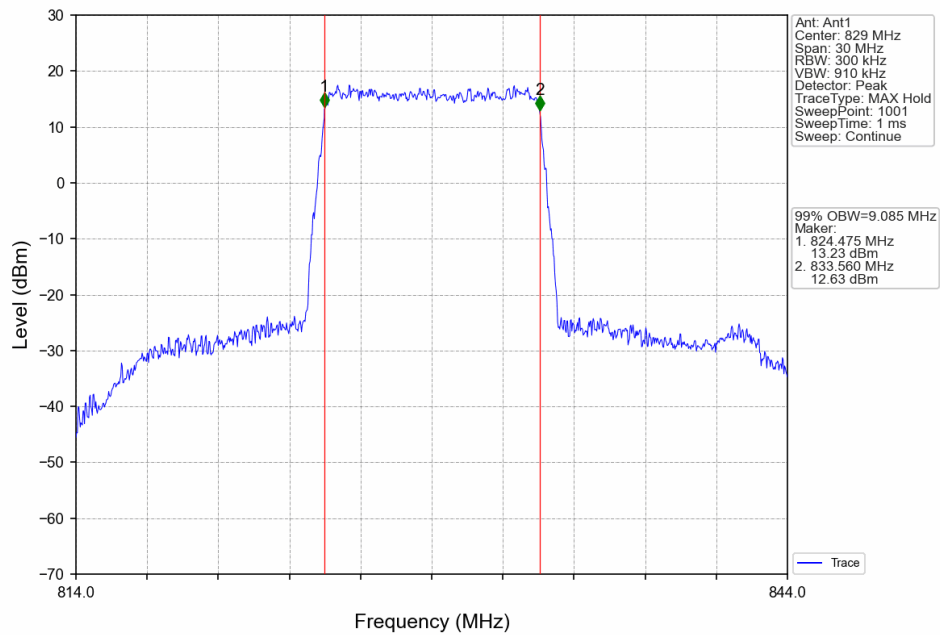
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



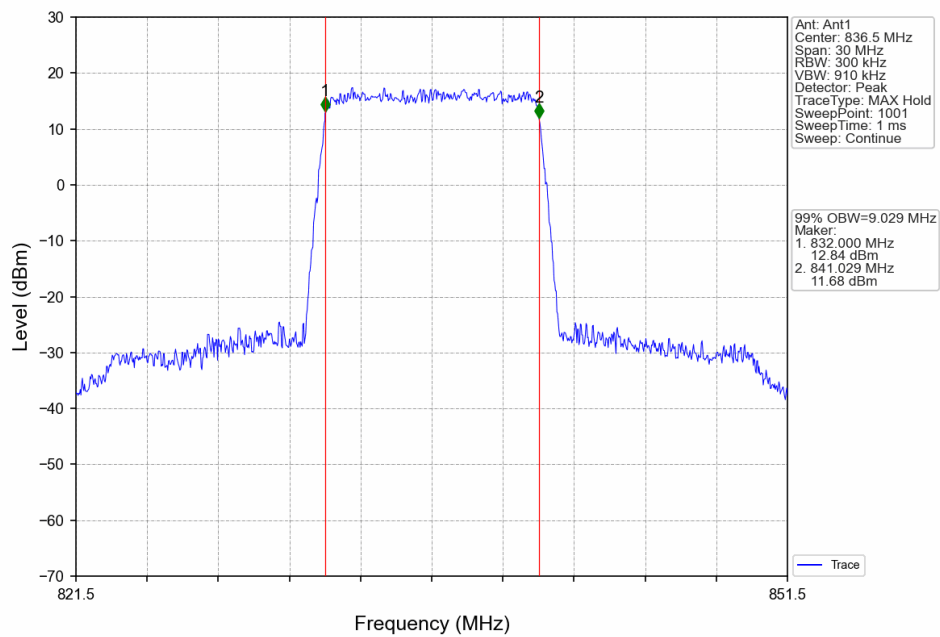
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



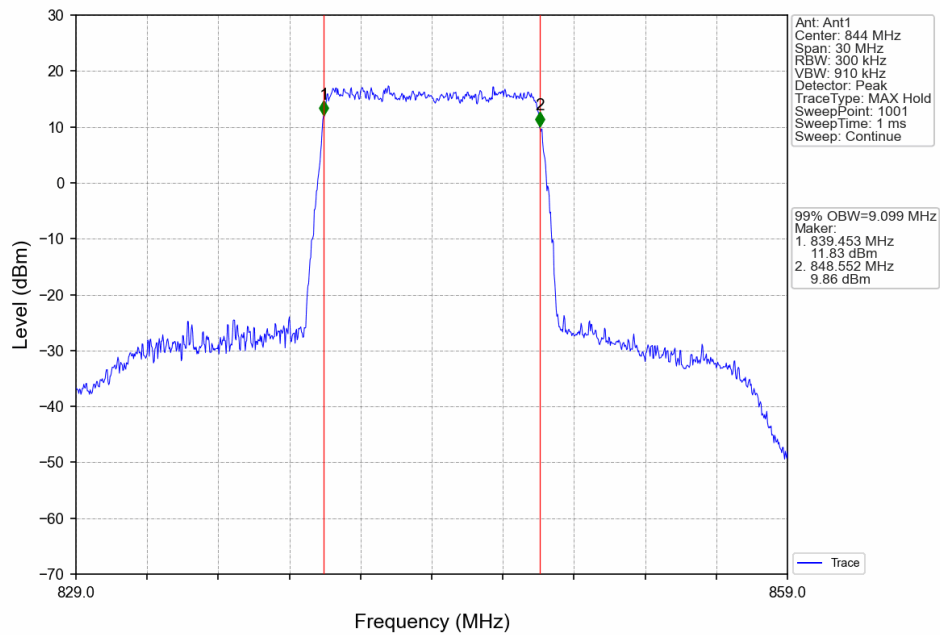
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



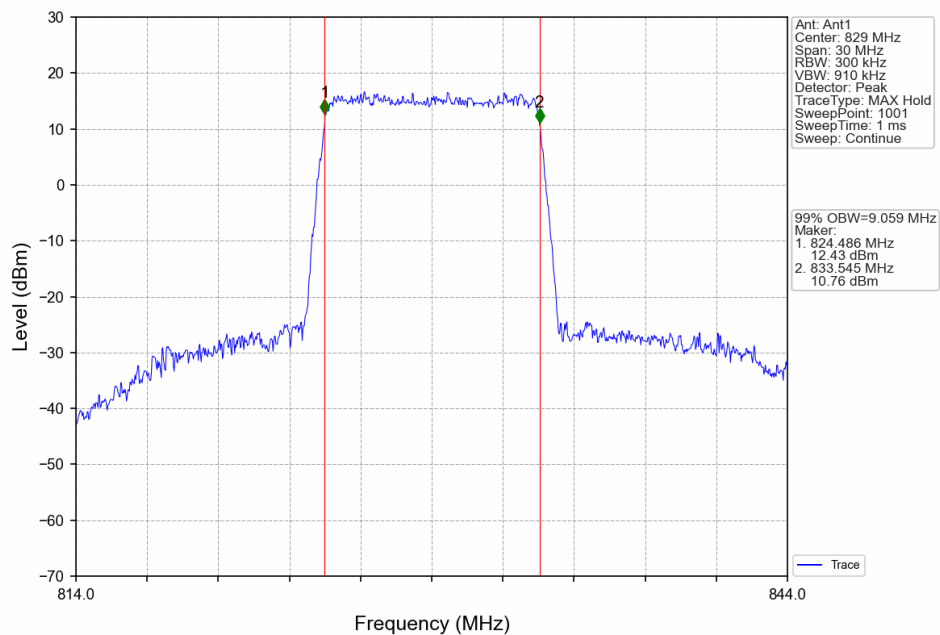
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



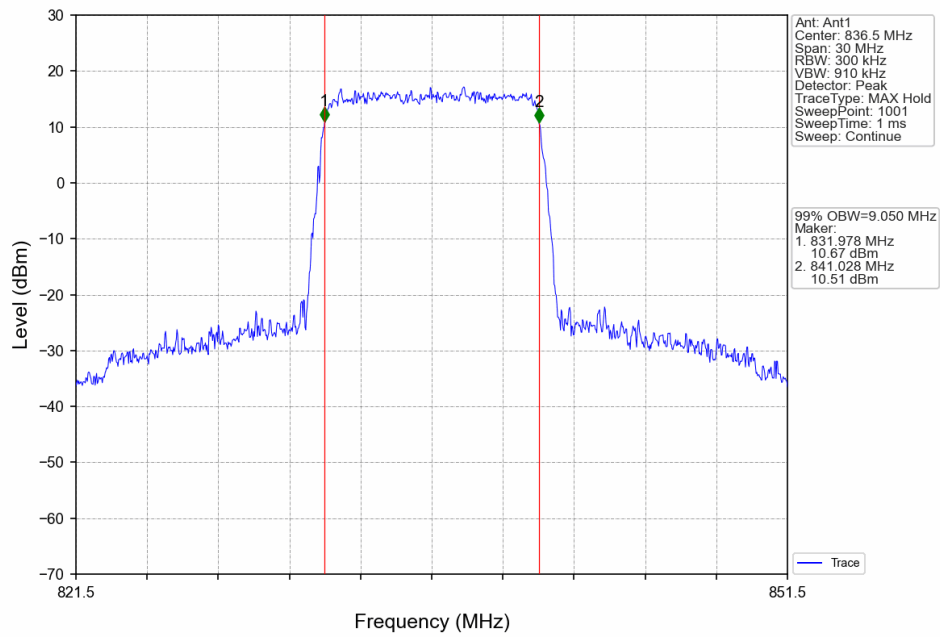
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



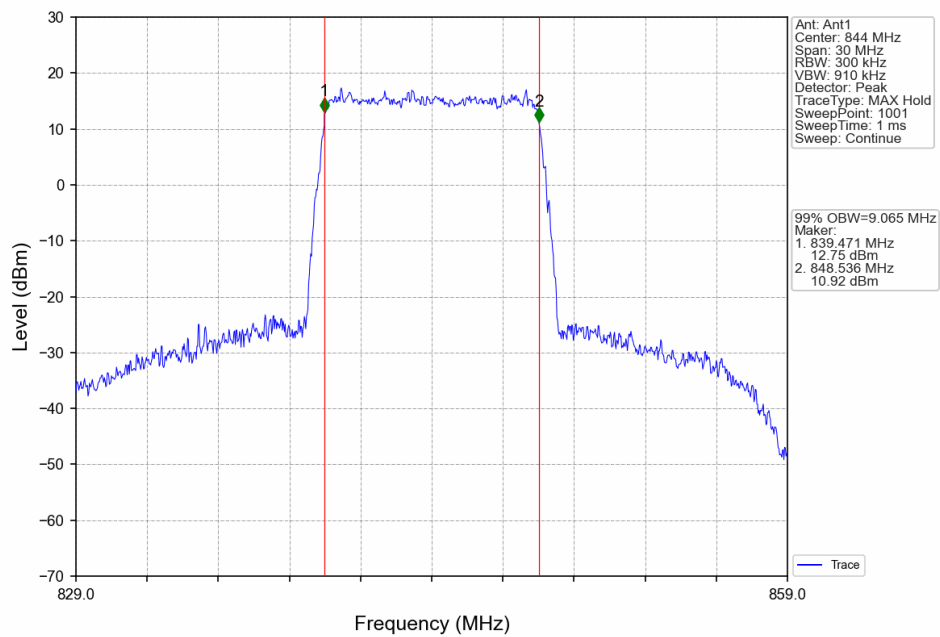
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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



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

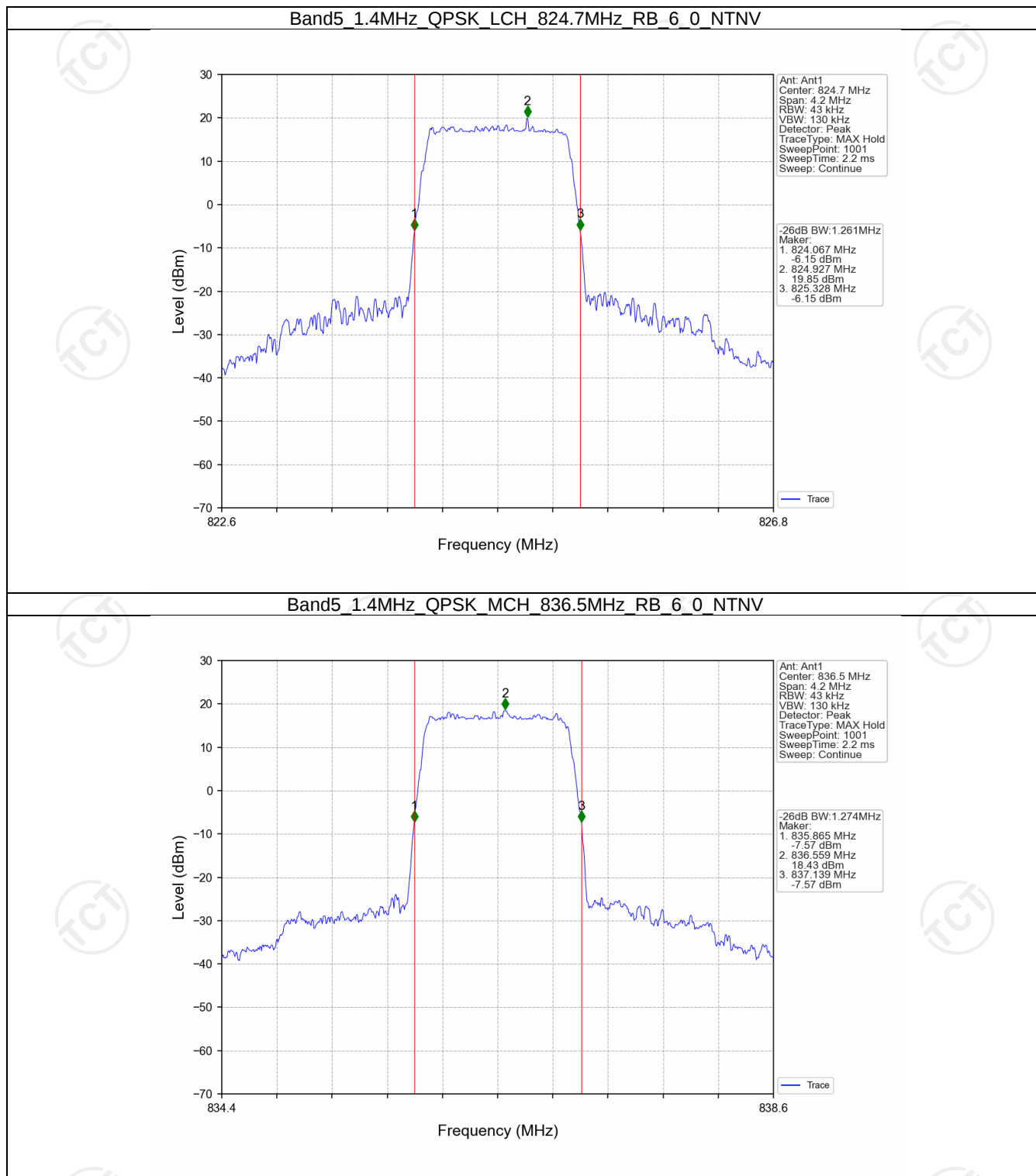


4.2 Band5_XDB

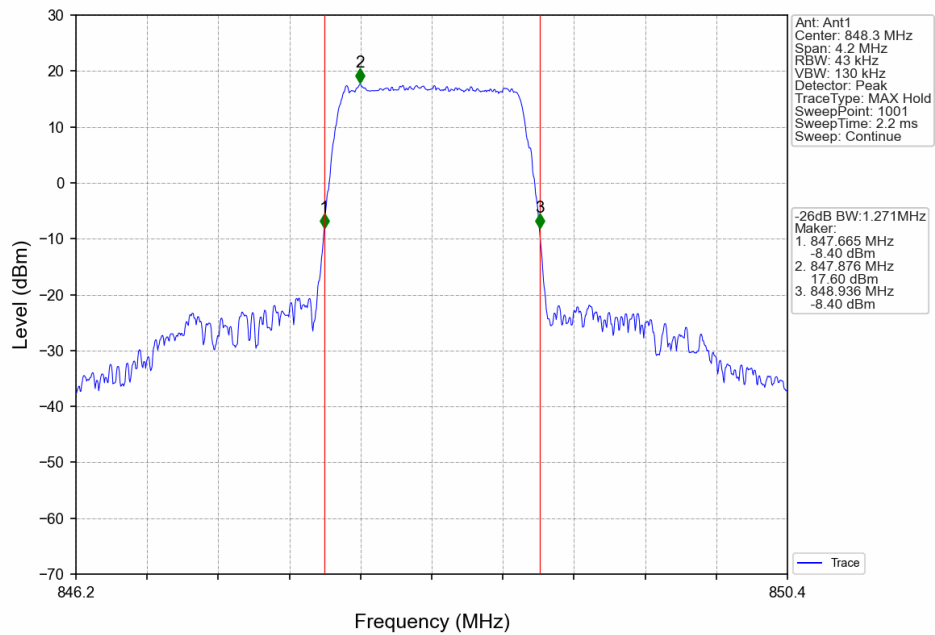
4.2.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.261	Pass
		836.5	6	0	1.274	Pass
		848.3	6	0	1.271	Pass
	16QAM	824.7	6	0	1.272	Pass
		836.5	6	0	1.280	Pass
		848.3	6	0	1.273	Pass
3	QPSK	825.5	15	0	3.110	Pass
		836.5	15	0	3.102	Pass
		847.5	15	0	3.088	Pass
	16QAM	825.5	15	0	3.097	Pass
		836.5	15	0	3.085	Pass
		847.5	15	0	3.116	Pass
5	QPSK	826.5	25	0	5.064	Pass
		836.5	25	0	5.068	Pass
		846.5	25	0	5.060	Pass
	16QAM	826.5	25	0	5.048	Pass
		836.5	25	0	5.037	Pass
		846.5	25	0	5.063	Pass
10	QPSK	829	50	0	10.081	Pass
		836.5	50	0	10.020	Pass
		844	50	0	10.021	Pass
	16QAM	829	50	0	10.065	Pass
		836.5	50	0	10.033	Pass
		844	50	0	10.048	Pass

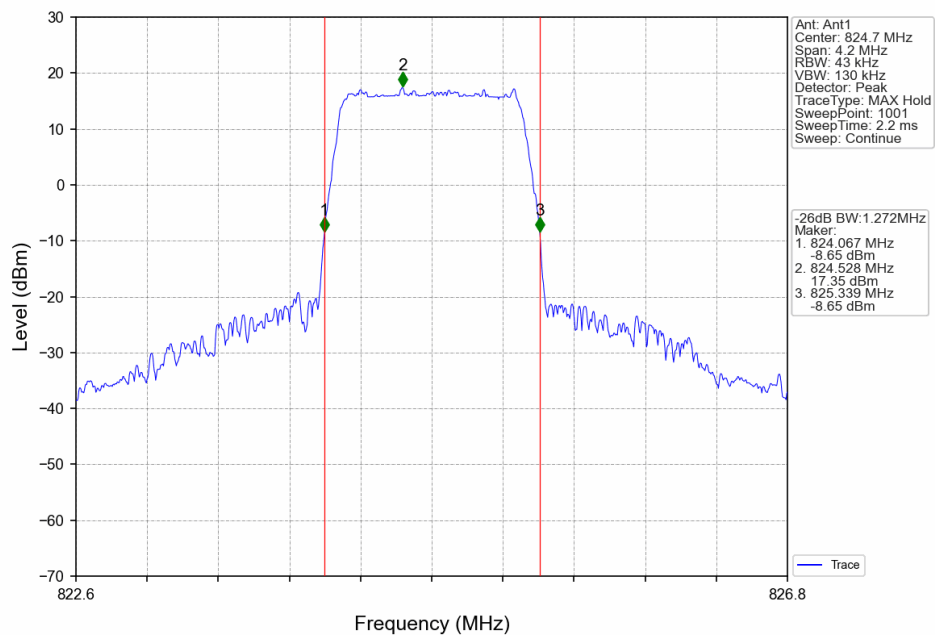
4.2.2 Test Graph



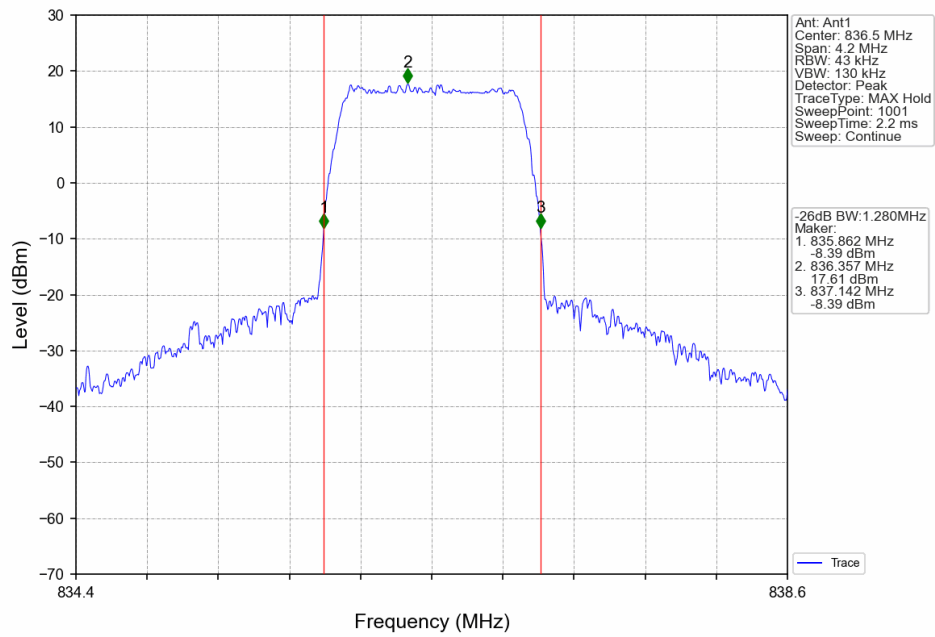
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



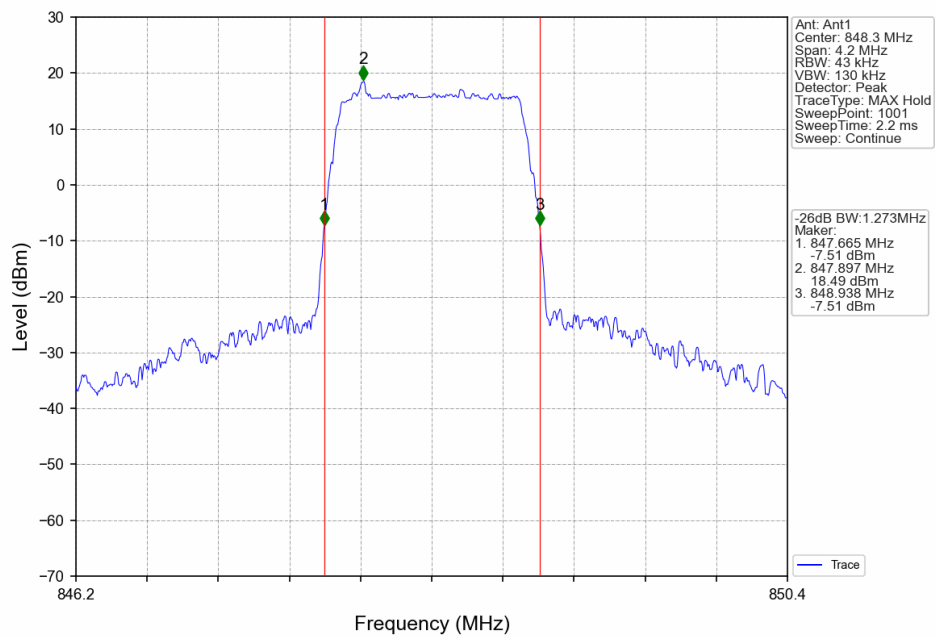
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



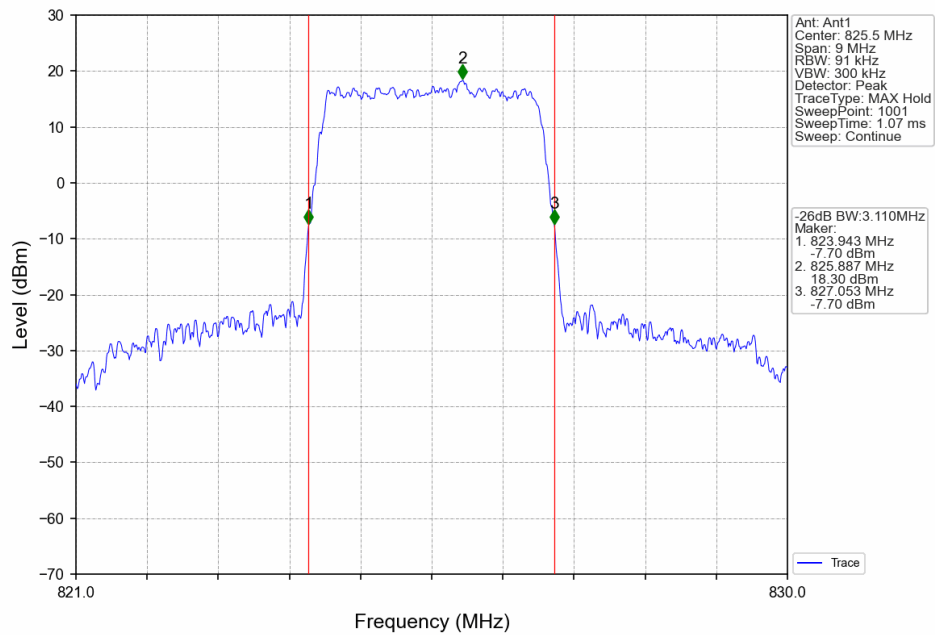
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



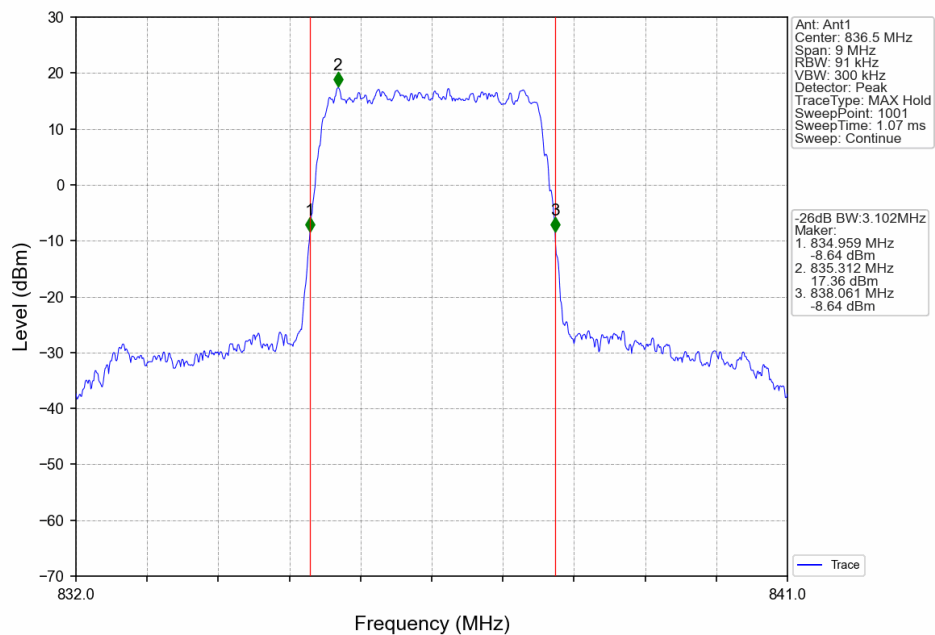
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



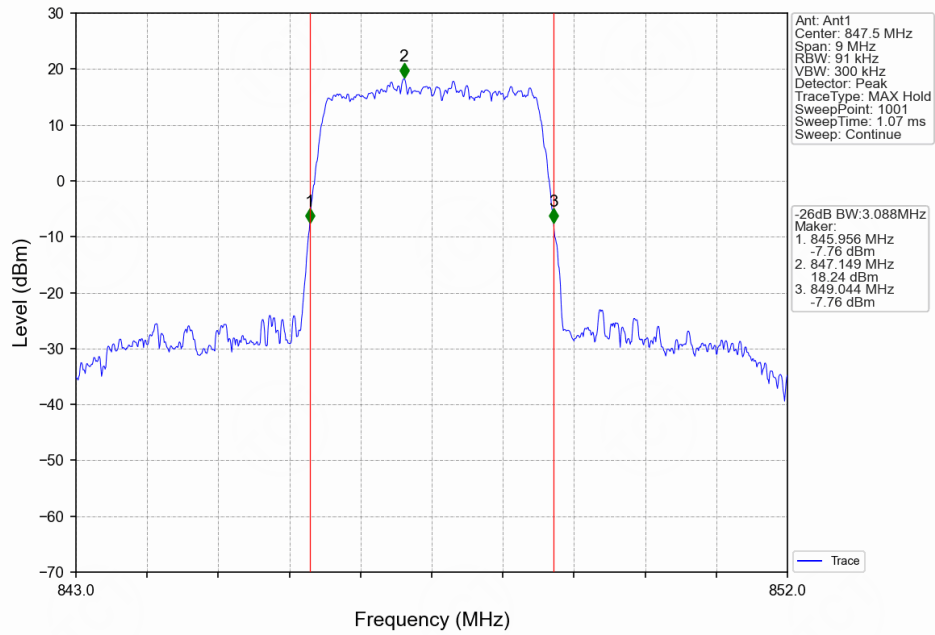
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



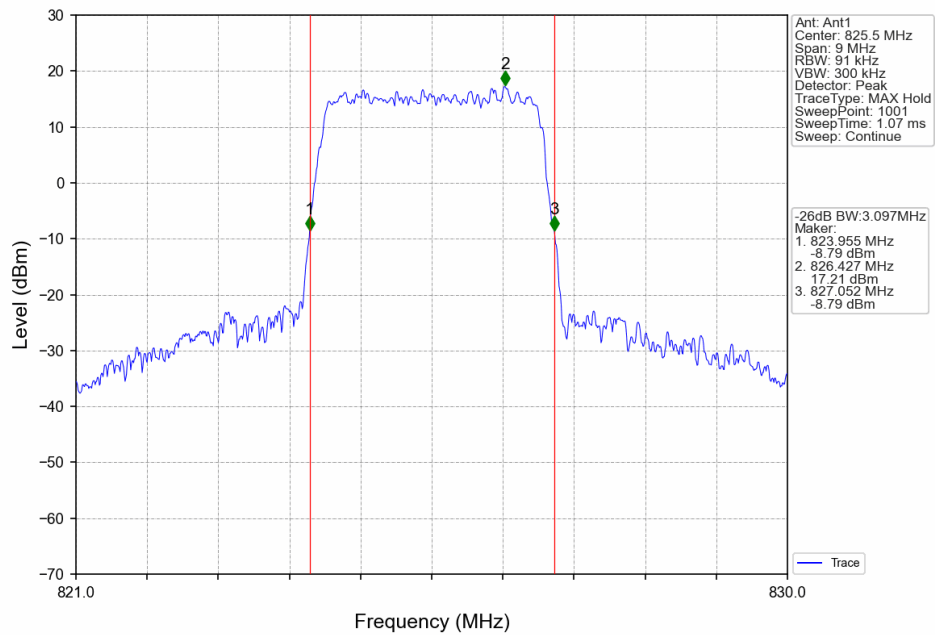
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



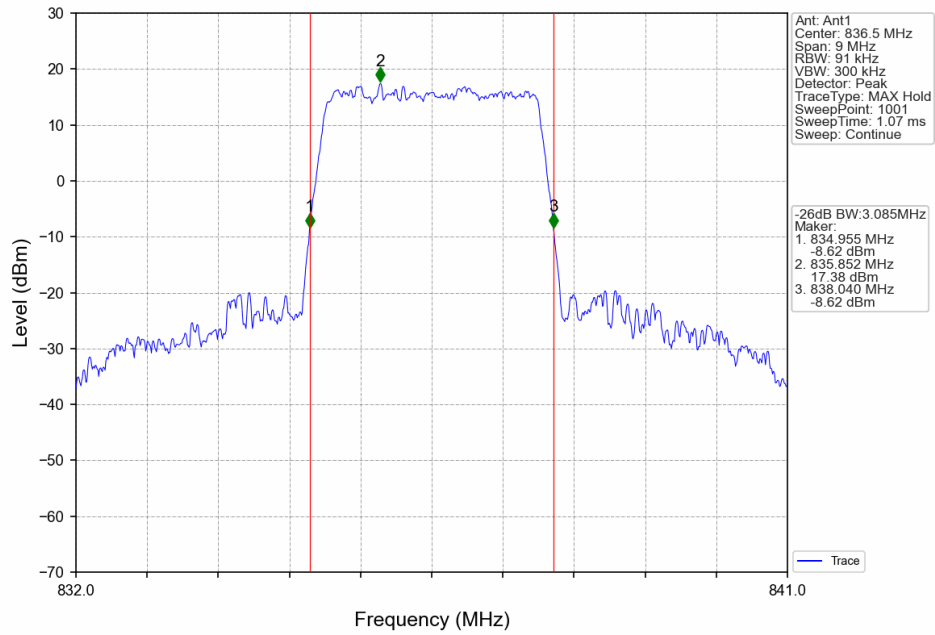
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



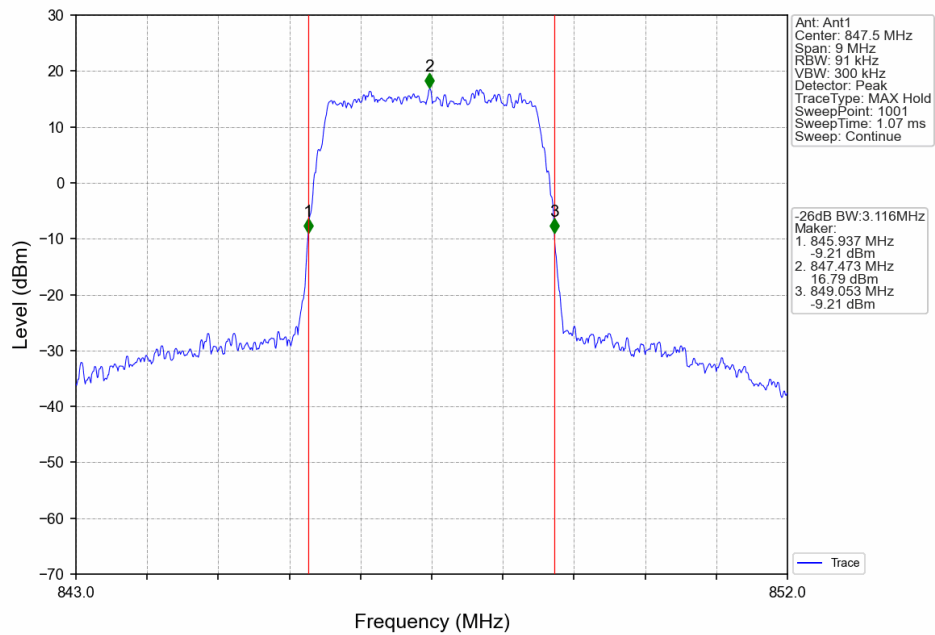
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



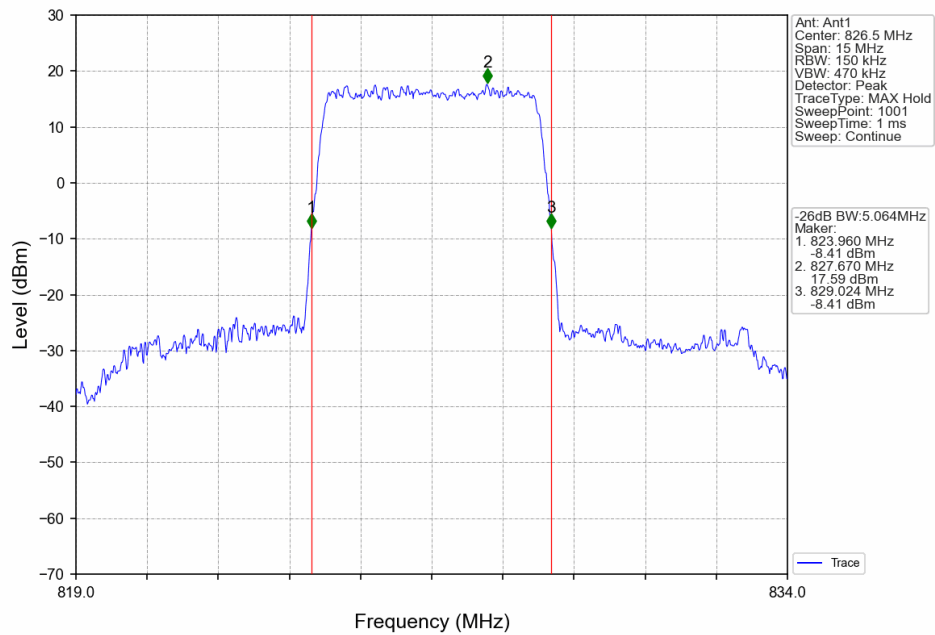
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



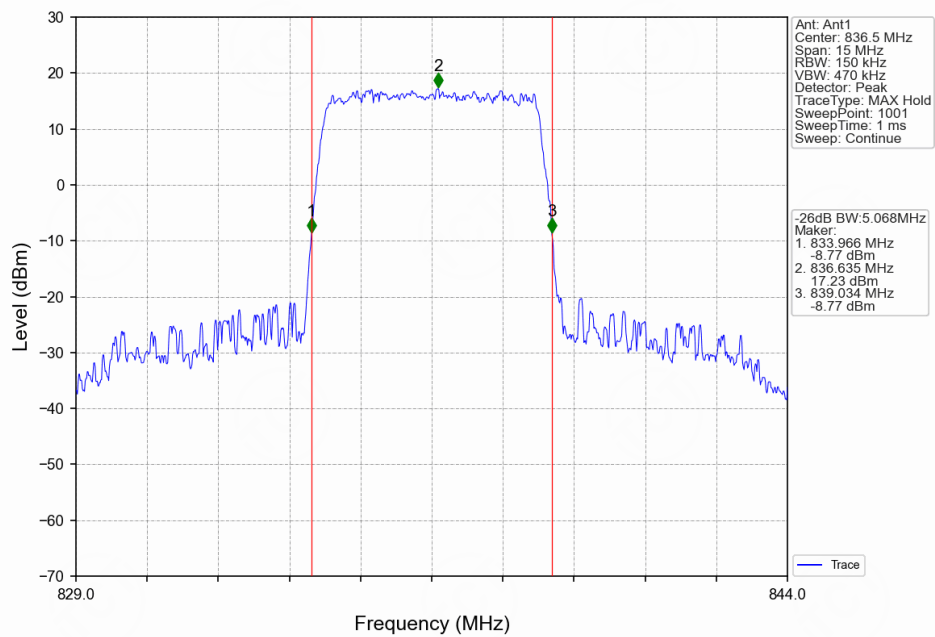
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



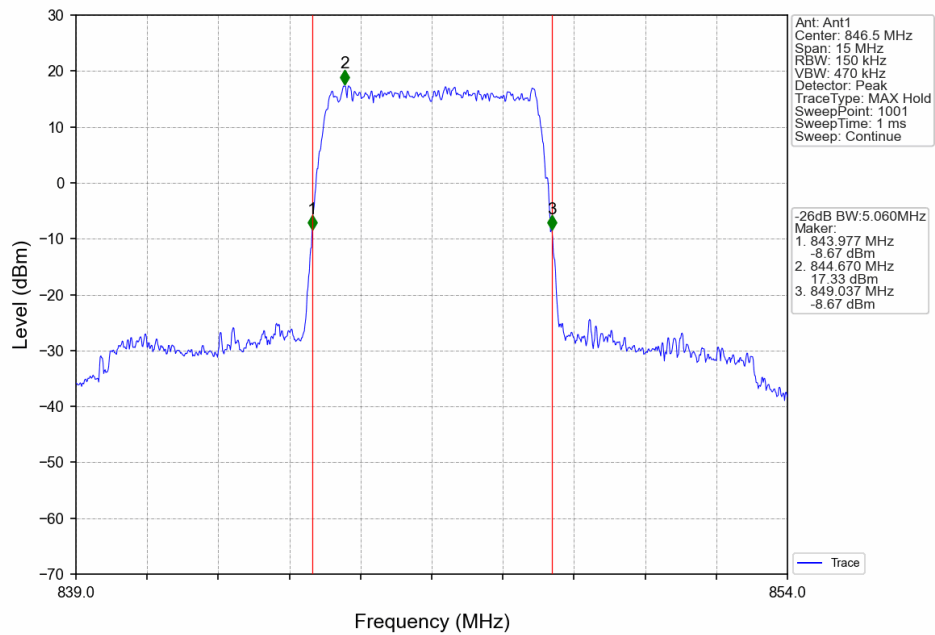
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



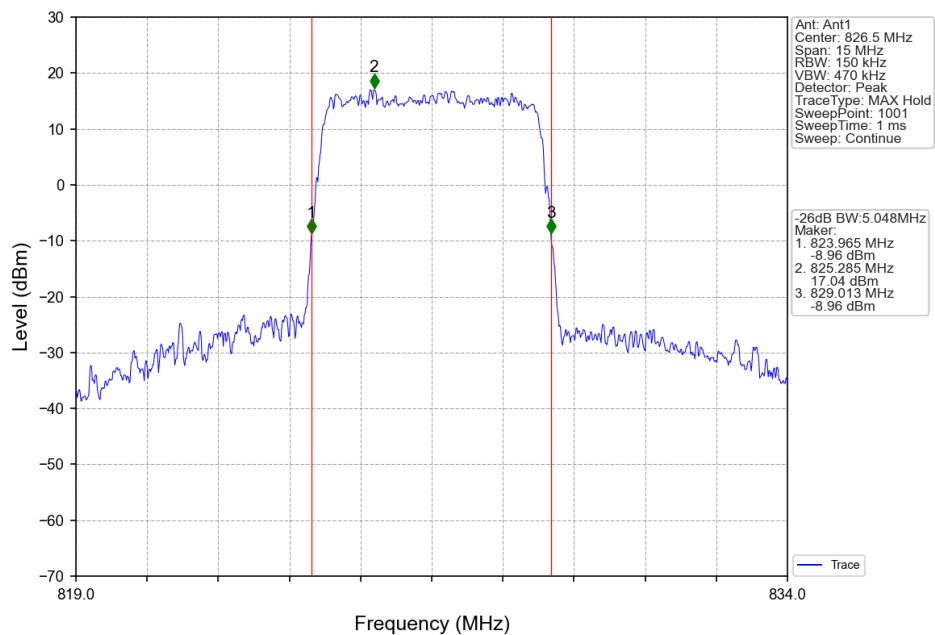
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



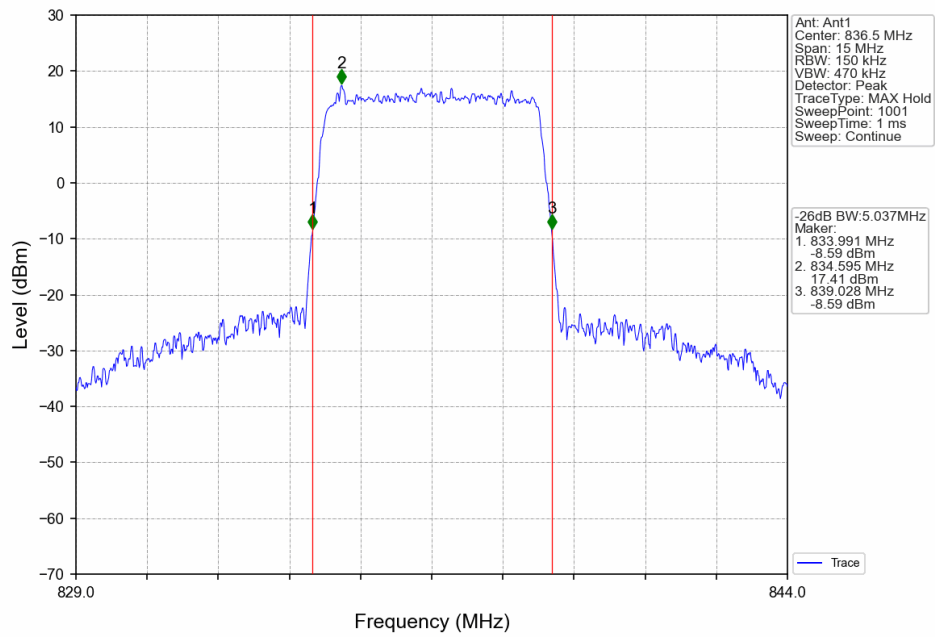
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



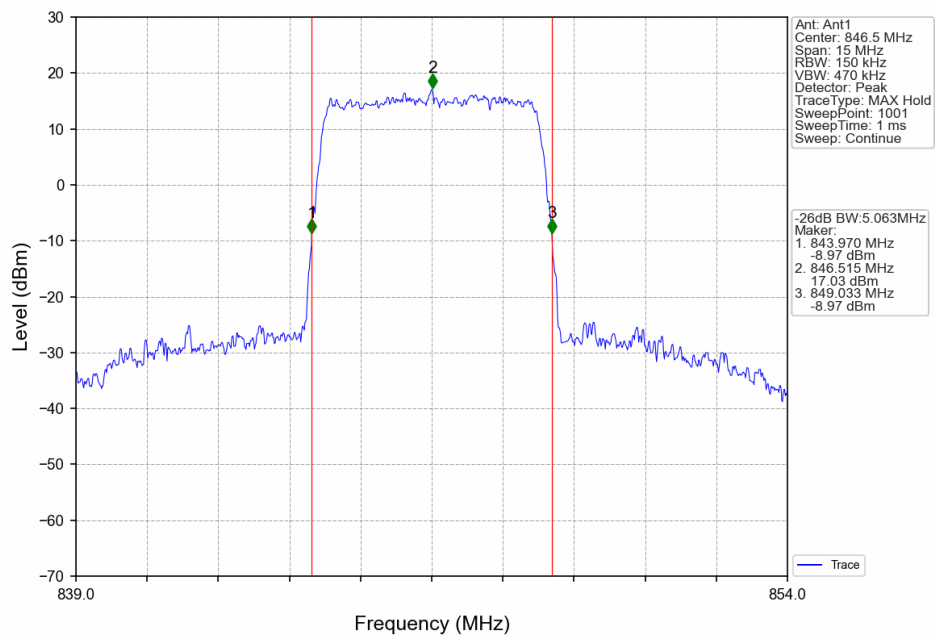
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



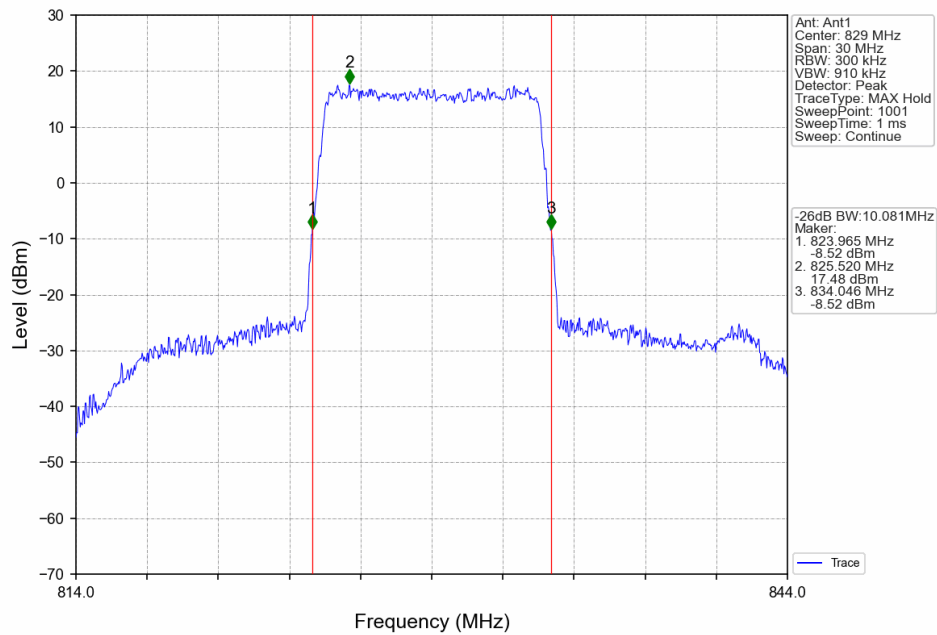
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



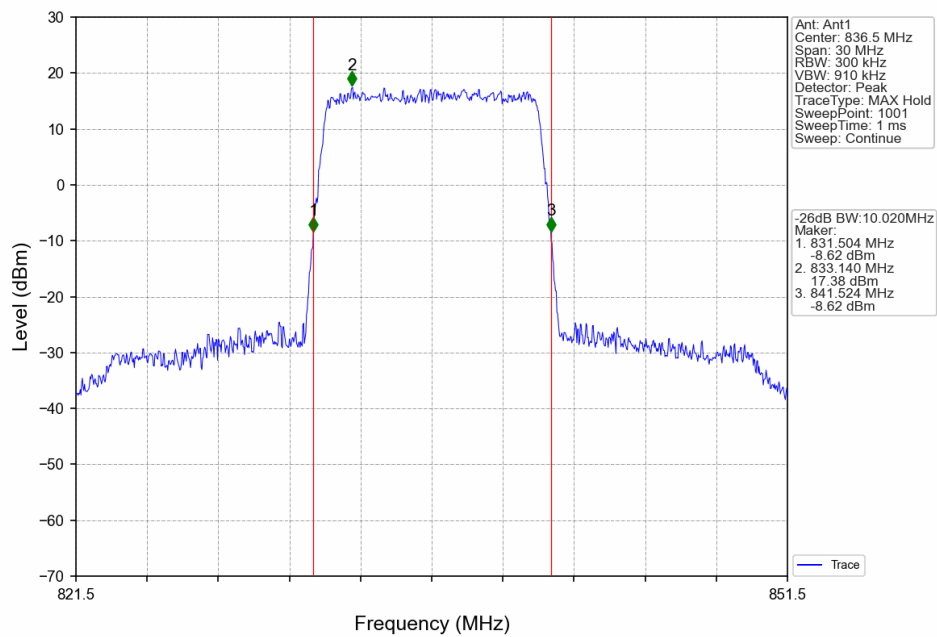
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



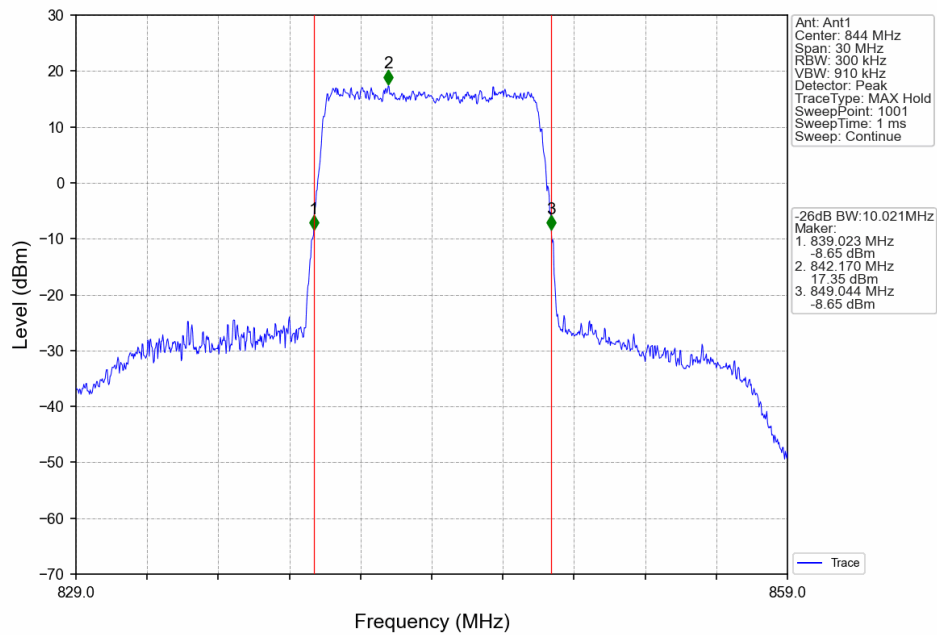
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



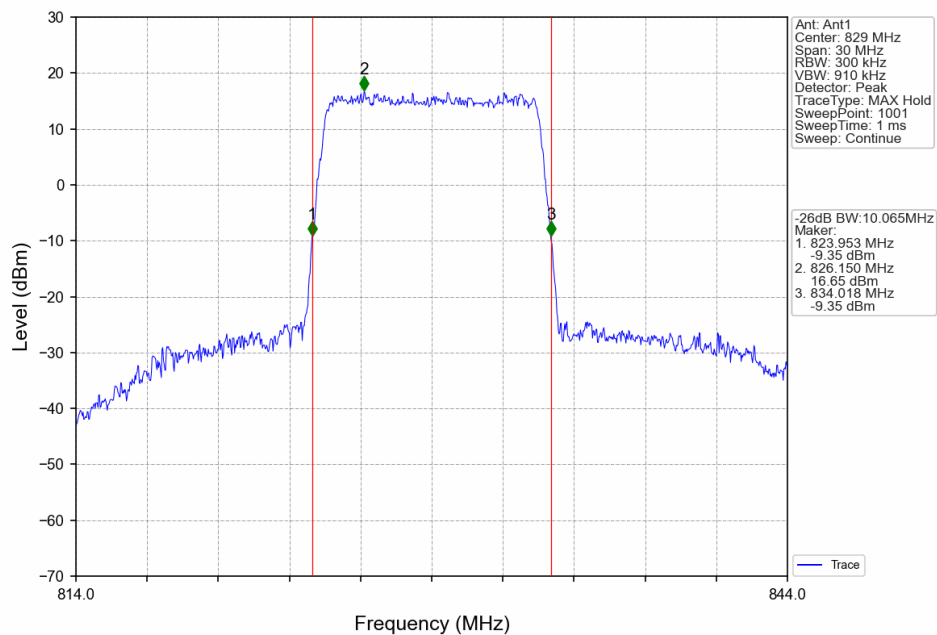
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



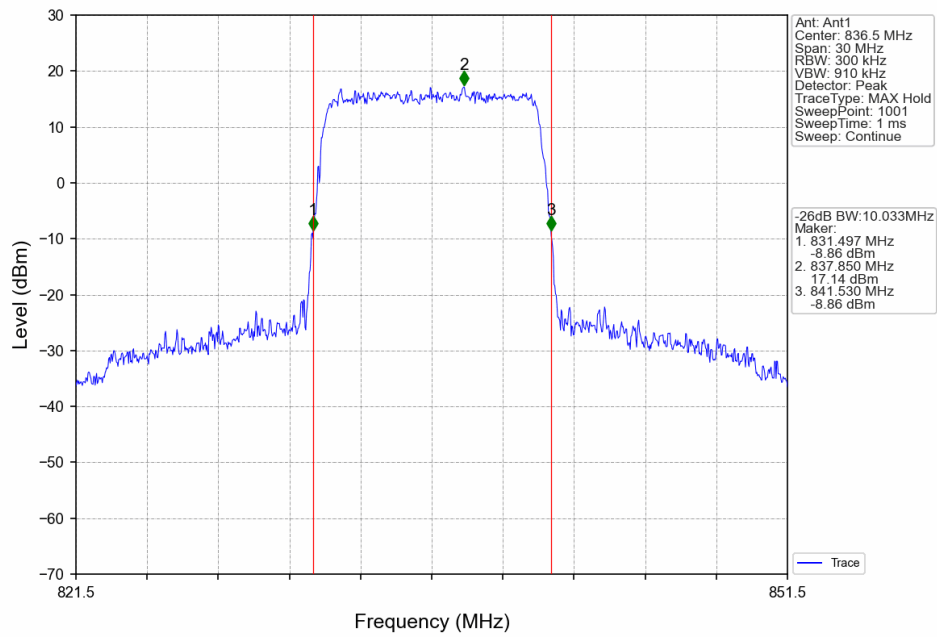
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



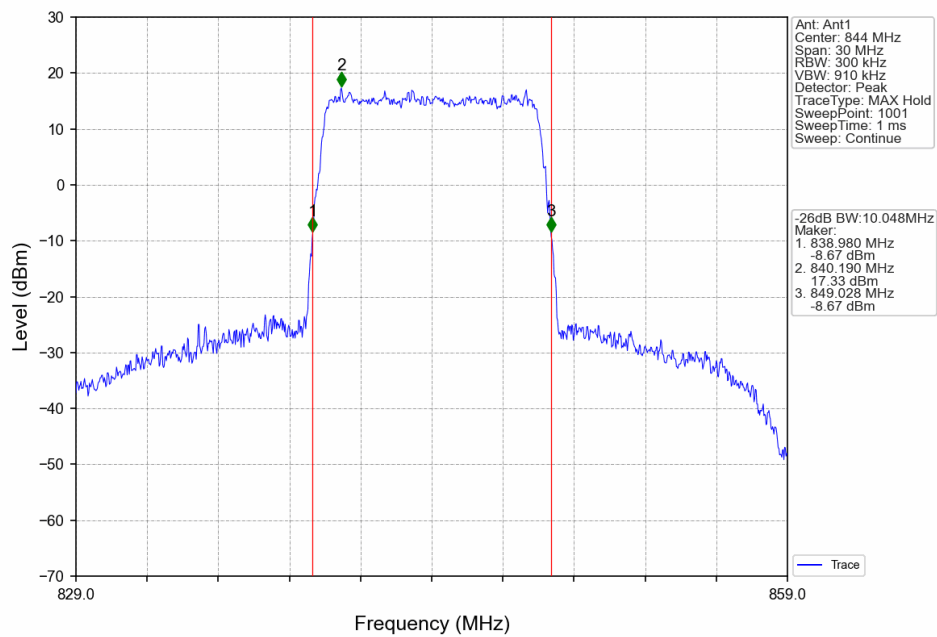
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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



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





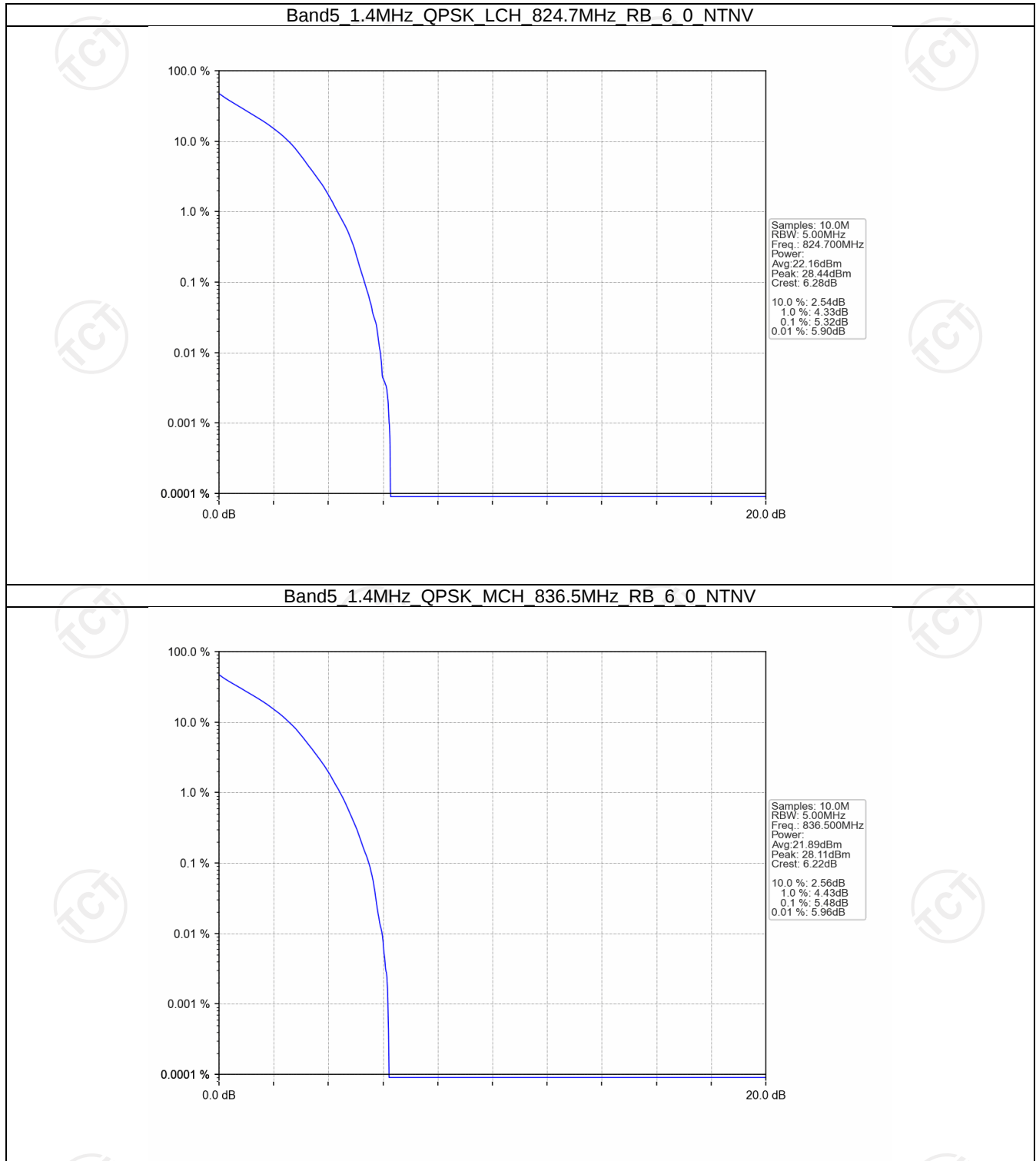
5. Peak-Average Ratio

5.1 B5_1.4MHz

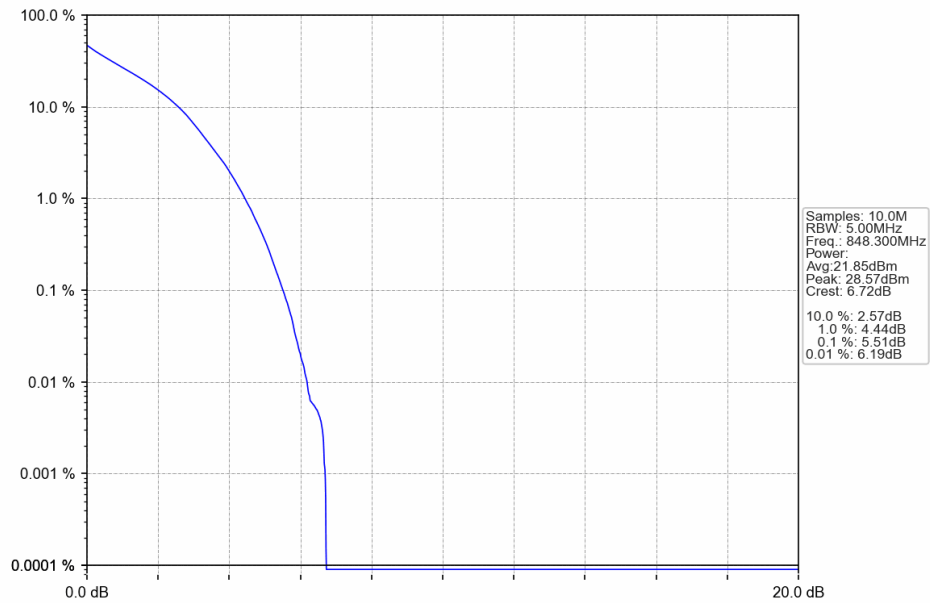
5.1.1 Test Result

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	5.32	<=13	Pass
	836.5	6	0	5.48	<=13	Pass
	848.3	6	0	5.51	<=13	Pass
16QAM	824.7	6	0	6.21	<=13	Pass
	836.5	6	0	6.09	<=13	Pass
	848.3	6	0	6.24	<=13	Pass

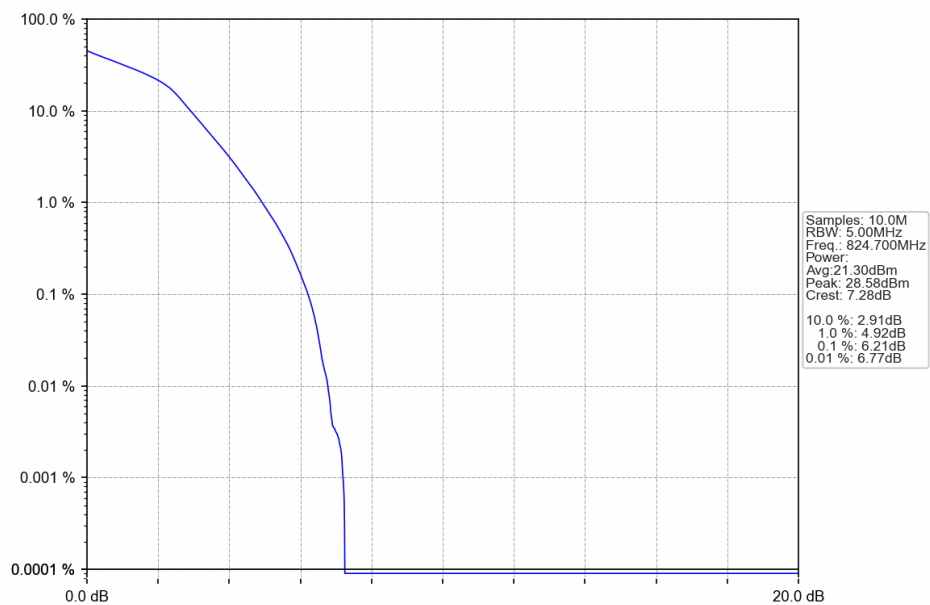
5.1.2 Test Graph



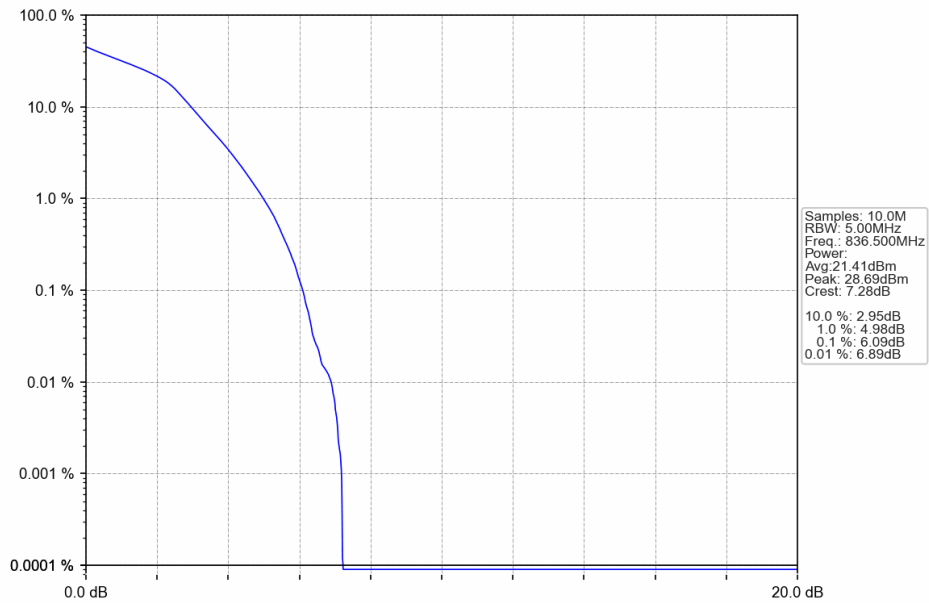
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



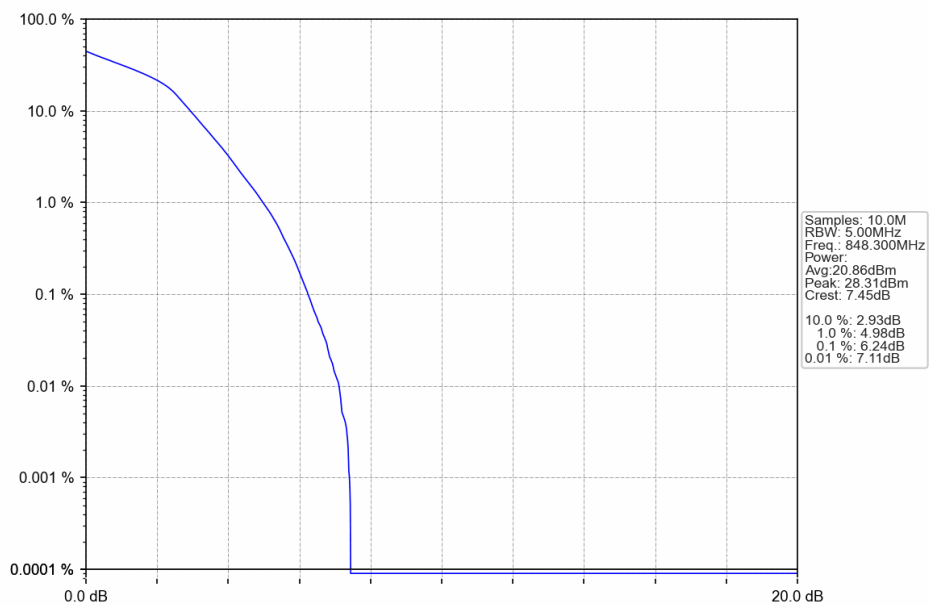
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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



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

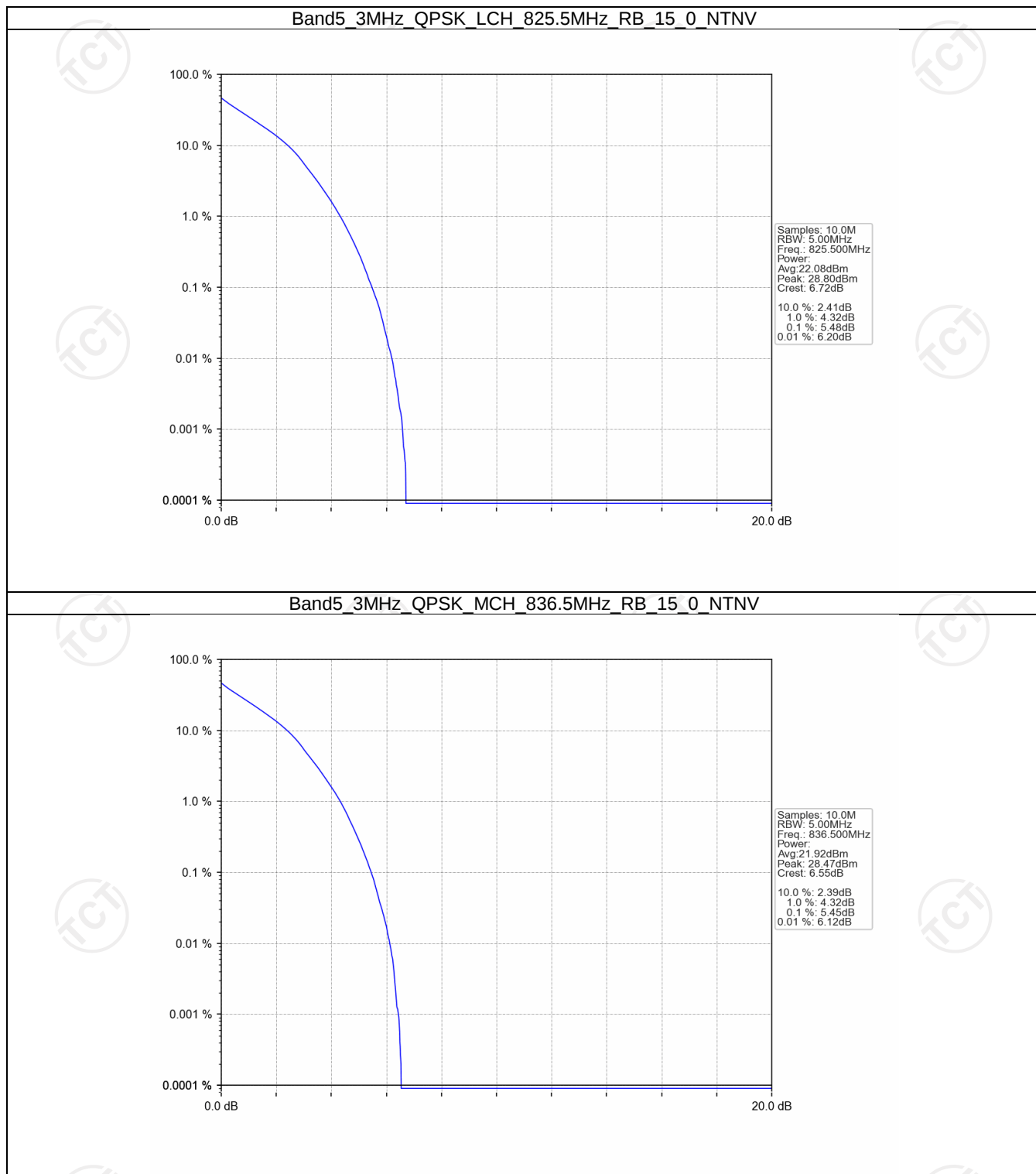


5.2 B5_3MHz

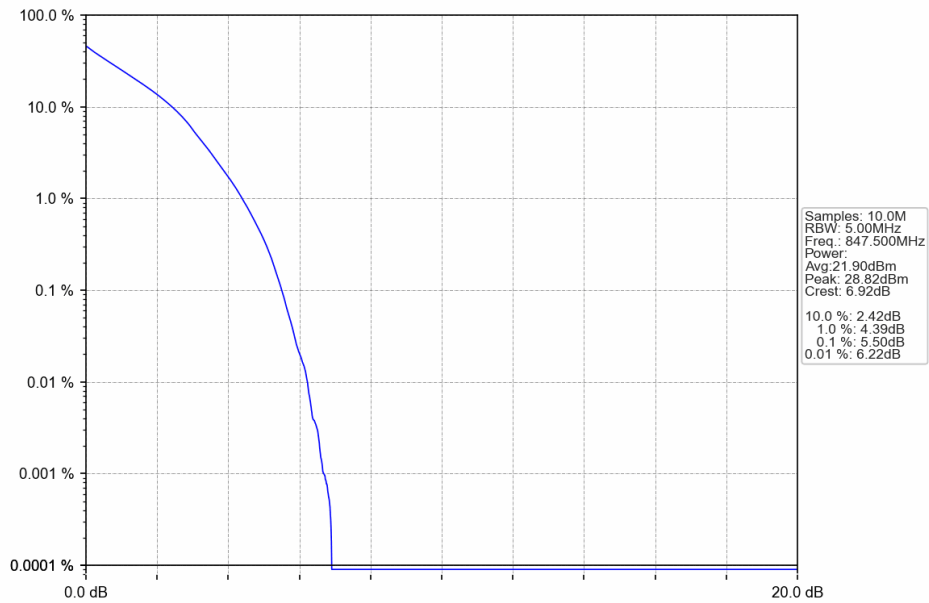
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
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	5.45	<=13	Pass
	847.5	15	0	5.50	<=13	Pass
16QAM	825.5	15	0	6.25	<=13	Pass
	836.5	15	0	6.22	<=13	Pass
	847.5	15	0	6.30	<=13	Pass

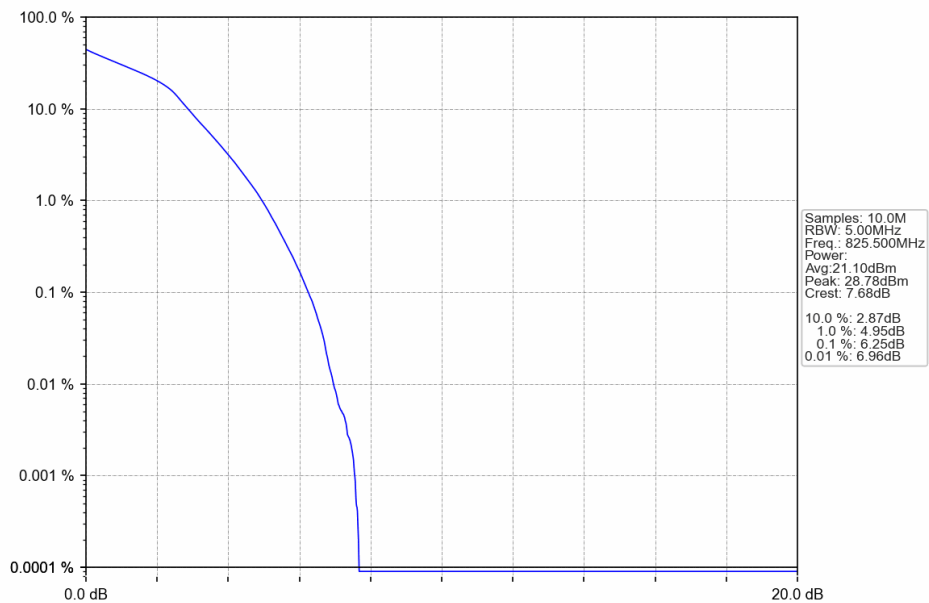
5.2.2 Test Graph



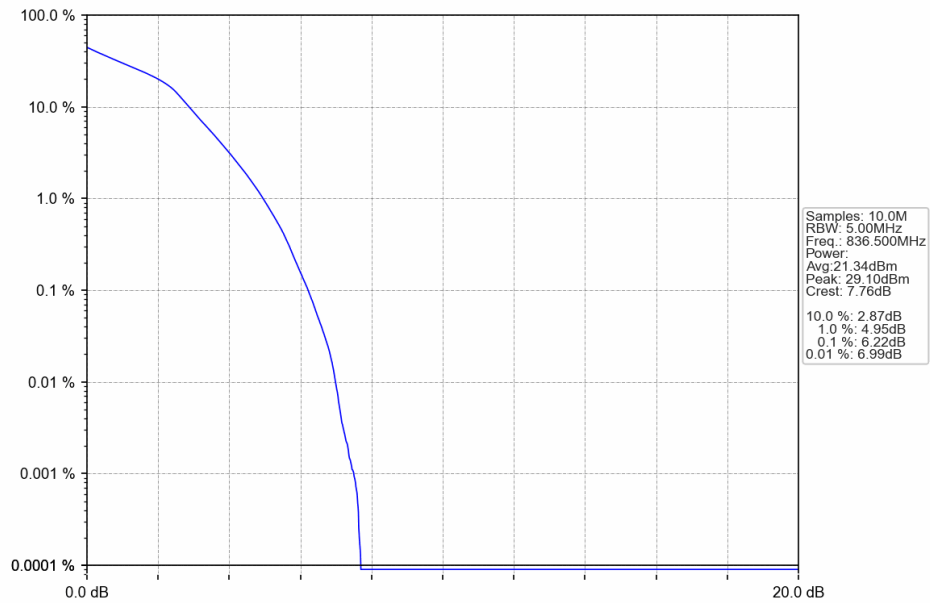
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



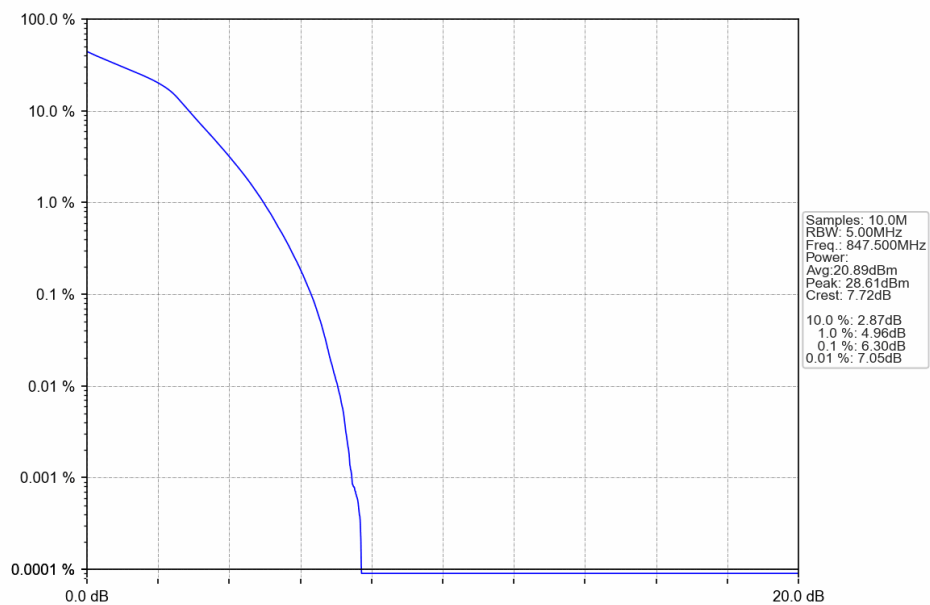
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



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



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



5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.57	<=13	Pass
	836.5	25	0	5.58	<=13	Pass
	846.5	25	0	5.58	<=13	Pass
16QAM	826.5	25	0	6.24	<=13	Pass
	836.5	25	0	6.23	<=13	Pass
	846.5	25	0	6.34	<=13	Pass