

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	20.96	3.00	21.81	<=38.45	Pass
			2	21.10	3.00	21.95	<=38.45	Pass
			5	20.98	3.00	21.83	<=38.45	Pass
		3	0	21.13	3.00	21.98	<=38.45	Pass
			2	21.14	3.00	21.99	<=38.45	Pass
			3	21.13	3.00	21.98	<=38.45	Pass
		6	0	20.08	3.00	20.93	<=38.45	Pass
	836.5	1	0	21.03	3.00	21.88	<=38.45	Pass
			2	21.13	3.00	21.98	<=38.45	Pass
			5	21.01	3.00	21.86	<=38.45	Pass
		3	0	21.14	3.00	21.99	<=38.45	Pass
			2	21.16	3.00	22.01	<=38.45	Pass
			3	21.16	3.00	22.01	<=38.45	Pass
		6	0	20.08	3.00	20.93	<=38.45	Pass
	848.3	1	0	21.00	3.00	21.85	<=38.45	Pass
			2	21.07	3.00	21.92	<=38.45	Pass
			5	20.96	3.00	21.81	<=38.45	Pass
		3	0	21.14	3.00	21.99	<=38.45	Pass
			2	21.13	3.00	21.98	<=38.45	Pass
			3	21.10	3.00	21.95	<=38.45	Pass
		6	0	20.04	3.00	20.89	<=38.45	Pass
16QAM	824.7	1	0	20.24	3.00	21.09	<=38.45	Pass
			2	20.35	3.00	21.20	<=38.45	Pass
			5	20.24	3.00	21.09	<=38.45	Pass
		3	0	20.16	3.00	21.01	<=38.45	Pass
			2	20.17	3.00	21.02	<=38.45	Pass
			3	20.19	3.00	21.04	<=38.45	Pass
		6	0	19.09	3.00	19.94	<=38.45	Pass
	836.5	1	0	20.11	3.00	20.96	<=38.45	Pass
			2	20.18	3.00	21.03	<=38.45	Pass
			5	20.12	3.00	20.97	<=38.45	Pass
		3	0	20.25	3.00	21.10	<=38.45	Pass
			2	20.23	3.00	21.08	<=38.45	Pass
			3	20.23	3.00	21.08	<=38.45	Pass
		6	0	18.99	3.00	19.84	<=38.45	Pass
	848.3	1	0	20.05	3.00	20.90	<=38.45	Pass
			2	20.14	3.00	20.99	<=38.45	Pass
			5	20.00	3.00	20.85	<=38.45	Pass
		3	0	20.32	3.00	21.17	<=38.45	Pass
			2	20.37	3.00	21.22	<=38.45	Pass
			3	20.32	3.00	21.17	<=38.45	Pass
		6	0	19.08	3.00	19.93	<=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 / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	825.5	1	0	21.13	3.00	21.98	<=38.45	Pass	
			7	21.24	3.00	22.09	<=38.45	Pass	
			14	21.05	3.00	21.90	<=38.45	Pass	
		8	0	20.16	3.00	21.01	<=38.45	Pass	
			4	20.17	3.00	21.02	<=38.45	Pass	
			7	20.15	3.00	21.00	<=38.45	Pass	
		15	0	20.18	3.00	21.03	<=38.45	Pass	
		836.5	1	0	21.08	3.00	21.93	<=38.45	Pass
				7	21.27	3.00	22.12	<=38.45	Pass
	14			21.09	3.00	21.94	<=38.45	Pass	
	8		0	20.18	3.00	21.03	<=38.45	Pass	
			4	20.23	3.00	21.08	<=38.45	Pass	
			7	20.18	3.00	21.03	<=38.45	Pass	
	15	0	20.19	3.00	21.04	<=38.45	Pass		
	847.5	1	0	21.25	3.00	22.10	<=38.45	Pass	
			7	21.33	3.00	22.18	<=38.45	Pass	
			14	21.13	3.00	21.98	<=38.45	Pass	
		8	0	20.20	3.00	21.05	<=38.45	Pass	
			4	20.20	3.00	21.05	<=38.45	Pass	
			7	20.13	3.00	20.98	<=38.45	Pass	
		15	0	20.19	3.00	21.04	<=38.45	Pass	
16QAM		825.5	1	0	20.78	3.00	21.63	<=38.45	Pass
				7	20.91	3.00	21.76	<=38.45	Pass
	14			20.75	3.00	21.60	<=38.45	Pass	
	8		0	19.32	3.00	20.17	<=38.45	Pass	
			4	19.34	3.00	20.19	<=38.45	Pass	
			7	19.30	3.00	20.15	<=38.45	Pass	
	15		0	19.23	3.00	20.08	<=38.45	Pass	
	836.5		1	0	20.37	3.00	21.22	<=38.45	Pass
				7	20.49	3.00	21.34	<=38.45	Pass
		14		20.36	3.00	21.21	<=38.45	Pass	
		8	0	19.11	3.00	19.96	<=38.45	Pass	
			4	19.19	3.00	20.04	<=38.45	Pass	
			7	19.15	3.00	20.00	<=38.45	Pass	
	15	0	19.13	3.00	19.98	<=38.45	Pass		
	847.5	1	0	20.25	3.00	21.10	<=38.45	Pass	
			7	20.37	3.00	21.22	<=38.45	Pass	
			14	20.19	3.00	21.04	<=38.45	Pass	
		8	0	19.25	3.00	20.10	<=38.45	Pass	
			4	19.24	3.00	20.09	<=38.45	Pass	
			7	19.21	3.00	20.06	<=38.45	Pass	
		15	0	19.21	3.00	20.06	<=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	20.95	3.00	21.80	<=38.45	Pass
			13	21.09	3.00	21.94	<=38.45	Pass
			24	20.96	3.00	21.81	<=38.45	Pass
		12	0	20.20	3.00	21.05	<=38.45	Pass
			6	20.12	3.00	20.97	<=38.45	Pass
			13	20.10	3.00	20.95	<=38.45	Pass
		25	0	20.11	3.00	20.96	<=38.45	Pass
	836.5	1	0	20.99	3.00	21.84	<=38.45	Pass
			13	21.07	3.00	21.92	<=38.45	Pass
			24	21.02	3.00	21.87	<=38.45	Pass
		12	0	20.06	3.00	20.91	<=38.45	Pass
			6	20.17	3.00	21.02	<=38.45	Pass
			13	20.12	3.00	20.97	<=38.45	Pass
		25	0	20.13	3.00	20.98	<=38.45	Pass
	846.5	1	0	21.05	3.00	21.90	<=38.45	Pass
			13	21.15	3.00	22.00	<=38.45	Pass
			24	20.95	3.00	21.80	<=38.45	Pass
		12	0	20.20	3.00	21.05	<=38.45	Pass
			6	20.19	3.00	21.04	<=38.45	Pass
			13	20.05	3.00	20.90	<=38.45	Pass
		25	0	20.13	3.00	20.98	<=38.45	Pass
16QAM	826.5	1	0	19.92	3.00	20.77	<=38.45	Pass
			13	20.00	3.00	20.85	<=38.45	Pass
			24	19.90	3.00	20.75	<=38.45	Pass
		12	0	19.12	3.00	19.97	<=38.45	Pass
			6	19.08	3.00	19.93	<=38.45	Pass
			13	19.03	3.00	19.88	<=38.45	Pass
		25	0	19.13	3.00	19.98	<=38.45	Pass
	836.5	1	0	20.30	3.00	21.15	<=38.45	Pass
			13	20.45	3.00	21.30	<=38.45	Pass
			24	20.32	3.00	21.17	<=38.45	Pass
		12	0	19.08	3.00	19.93	<=38.45	Pass
			6	19.18	3.00	20.03	<=38.45	Pass
			13	19.12	3.00	19.97	<=38.45	Pass
		25	0	19.08	3.00	19.93	<=38.45	Pass
	846.5	1	0	20.18	3.00	21.03	<=38.45	Pass
			13	20.30	3.00	21.15	<=38.45	Pass
			24	20.13	3.00	20.98	<=38.45	Pass
		12	0	19.13	3.00	19.98	<=38.45	Pass
			6	19.15	3.00	20.00	<=38.45	Pass
			13	19.00	3.00	19.85	<=38.45	Pass
		25	0	19.14	3.00	19.99	<=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	20.95	3.00	21.80	<=38.45	Pass	
			25	21.21	3.00	22.06	<=38.45	Pass	
			49	21.03	3.00	21.88	<=38.45	Pass	
		25	0	20.03	3.00	20.88	<=38.45	Pass	
			13	20.13	3.00	20.98	<=38.45	Pass	
			25	20.11	3.00	20.96	<=38.45	Pass	
		50	0	20.11	3.00	20.96	<=38.45	Pass	
		836.5	1	0	21.00	3.00	21.85	<=38.45	Pass
				25	21.25	3.00	22.10	<=38.45	Pass
	49			21.05	3.00	21.90	<=38.45	Pass	
	25		0	20.15	3.00	21.00	<=38.45	Pass	
			13	20.20	3.00	21.05	<=38.45	Pass	
			25	20.25	3.00	21.10	<=38.45	Pass	
	50	0	20.19	3.00	21.04	<=38.45	Pass		
	844	1	0	21.11	3.00	21.96	<=38.45	Pass	
			25	21.30	3.00	22.15	<=38.45	Pass	
			49	21.02	3.00	21.87	<=38.45	Pass	
		25	0	20.18	3.00	21.03	<=38.45	Pass	
			13	20.24	3.00	21.09	<=38.45	Pass	
			25	20.08	3.00	20.93	<=38.45	Pass	
	50	0	20.14	3.00	20.99	<=38.45	Pass		
16QAM	829	1	0	20.66	3.00	21.51	<=38.45	Pass	
			25	20.89	3.00	21.74	<=38.45	Pass	
			49	20.63	3.00	21.48	<=38.45	Pass	
		25	0	19.07	3.00	19.92	<=38.45	Pass	
			13	19.18	3.00	20.03	<=38.45	Pass	
			25	19.10	3.00	19.95	<=38.45	Pass	
		50	0	19.11	3.00	19.96	<=38.45	Pass	
		836.5	1	0	20.24	3.00	21.09	<=38.45	Pass
				25	20.48	3.00	21.33	<=38.45	Pass
	49			20.24	3.00	21.09	<=38.45	Pass	
	25		0	19.18	3.00	20.03	<=38.45	Pass	
			13	19.22	3.00	20.07	<=38.45	Pass	
			25	19.23	3.00	20.08	<=38.45	Pass	
	50	0	19.19	3.00	20.04	<=38.45	Pass		
	844	1	0	20.13	3.00	20.98	<=38.45	Pass	
			25	20.36	3.00	21.21	<=38.45	Pass	
			49	20.08	3.00	20.93	<=38.45	Pass	
		25	0	19.23	3.00	20.08	<=38.45	Pass	
			13	19.28	3.00	20.13	<=38.45	Pass	
			25	19.17	3.00	20.02	<=38.45	Pass	
		50	0	19.12	3.00	19.97	<=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	3.30	-7.424	-0.0090	-2.5 to 2.5	Pass
					3.70	-0.601	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0010	-2.5 to 2.5	Pass
				-30	3.70	-4.606	-0.0056	-2.5 to 2.5	Pass
				-20	3.70	-6.766	-0.0082	-2.5 to 2.5	Pass
				-10	3.70	-4.449	-0.0054	-2.5 to 2.5	Pass
				0	3.70	-1.945	-0.0024	-2.5 to 2.5	Pass
				10	3.70	-4.292	-0.0052	-2.5 to 2.5	Pass
				30	3.70	-6.323	-0.0077	-2.5 to 2.5	Pass
				40	3.70	-3.347	-0.0041	-2.5 to 2.5	Pass
	836.5	6	0	50	3.70	-5.608	-0.0068	-2.5 to 2.5	Pass
				20	3.30	-4.220	-0.0050	-2.5 to 2.5	Pass
					3.70	-5.593	-0.0067	-2.5 to 2.5	Pass
					4.00	-3.948	-0.0047	-2.5 to 2.5	Pass
				-30	3.70	-1.473	-0.0018	-2.5 to 2.5	Pass
				-20	3.70	-5.808	-0.0069	-2.5 to 2.5	Pass
				-10	3.70	-4.606	-0.0055	-2.5 to 2.5	Pass
				0	3.70	-6.037	-0.0072	-2.5 to 2.5	Pass
				10	3.70	-6.795	-0.0081	-2.5 to 2.5	Pass
				30	3.70	-5.951	-0.0071	-2.5 to 2.5	Pass
	848.3	6	0	40	3.70	-7.253	-0.0087	-2.5 to 2.5	Pass
				50	3.70	-5.822	-0.0070	-2.5 to 2.5	Pass
				20	3.30	-6.795	-0.0080	-2.5 to 2.5	Pass
					3.70	-3.963	-0.0047	-2.5 to 2.5	Pass
					4.00	-3.176	-0.0037	-2.5 to 2.5	Pass
				-30	3.70	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.70	-6.022	-0.0071	-2.5 to 2.5	Pass
				-10	3.70	-2.661	-0.0031	-2.5 to 2.5	Pass
				0	3.70	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.70	-6.595	-0.0078	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.30	-7.467	-0.0091	-2.5 to 2.5	Pass
					3.70	-6.337	-0.0077	-2.5 to 2.5	Pass
					4.00	-7.296	-0.0088	-2.5 to 2.5	Pass
				-30	3.70	-4.978	-0.0060	-2.5 to 2.5	Pass
				-20	3.70	-6.609	-0.0080	-2.5 to 2.5	Pass
				-10	3.70	-6.766	-0.0082	-2.5 to 2.5	Pass
				0	3.70	-8.368	-0.0101	-2.5 to 2.5	Pass
				10	3.70	-1.888	-0.0023	-2.5 to 2.5	Pass
				30	3.70	-5.865	-0.0071	-2.5 to 2.5	Pass
				40	3.70	-7.424	-0.0090	-2.5 to 2.5	Pass
	836.5	6	0	50	3.70	-8.540	-0.0104	-2.5 to 2.5	Pass
				20	3.30	-3.133	-0.0037	-2.5 to 2.5	Pass
					3.70	-7.496	-0.0090	-2.5 to 2.5	Pass
					4.00	-4.864	-0.0058	-2.5 to 2.5	Pass
				-30	3.70	-9.341	-0.0112	-2.5 to 2.5	Pass
				-20	3.70	-1.144	-0.0014	-2.5 to 2.5	Pass
				-10	3.70	-5.722	-0.0068	-2.5 to 2.5	Pass
				0	3.70	-6.695	-0.0080	-2.5 to 2.5	Pass
				10	3.70	-6.280	-0.0075	-2.5 to 2.5	Pass
				30	3.70	-5.522	-0.0066	-2.5 to 2.5	Pass

	848.3	6	0	40	3.70	-7.167	-0.0086	-2.5 to 2.5	Pass
				50	3.70	-5.379	-0.0064	-2.5 to 2.5	Pass
				20	3.30	-3.705	-0.0044	-2.5 to 2.5	Pass
					3.70	-3.576	-0.0042	-2.5 to 2.5	Pass
					4.00	-2.747	-0.0032	-2.5 to 2.5	Pass
				-30	3.70	-7.882	-0.0093	-2.5 to 2.5	Pass
				-20	3.70	-8.068	-0.0095	-2.5 to 2.5	Pass
				-10	3.70	-4.706	-0.0055	-2.5 to 2.5	Pass
				0	3.70	-4.377	-0.0052	-2.5 to 2.5	Pass
				10	3.70	-5.107	-0.0060	-2.5 to 2.5	Pass
				30	3.70	-4.520	-0.0053	-2.5 to 2.5	Pass
				40	3.70	0.772	0.0009	-2.5 to 2.5	Pass
				50	3.70	-5.150	-0.0061	-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	3.30	-9.942	-0.0120	-2.5 to 2.5	Pass
					3.70	-6.008	-0.0073	-2.5 to 2.5	Pass
					4.00	-4.177	-0.0051	-2.5 to 2.5	Pass
				-30	3.70	-1.130	-0.0014	-2.5 to 2.5	Pass
				-20	3.70	-4.048	-0.0049	-2.5 to 2.5	Pass
				-10	3.70	-2.618	-0.0032	-2.5 to 2.5	Pass
				0	3.70	-4.177	-0.0051	-2.5 to 2.5	Pass
				10	3.70	-2.747	-0.0033	-2.5 to 2.5	Pass
				30	3.70	-0.944	-0.0011	-2.5 to 2.5	Pass
				40	3.70	-5.608	-0.0068	-2.5 to 2.5	Pass
				50	3.70	-5.922	-0.0072	-2.5 to 2.5	Pass
	836.5	15	0	20	3.30	-2.060	-0.0025	-2.5 to 2.5	Pass
					3.70	-5.250	-0.0063	-2.5 to 2.5	Pass
					4.00	-2.475	-0.0030	-2.5 to 2.5	Pass
				-30	3.70	-3.691	-0.0044	-2.5 to 2.5	Pass
				-20	3.70	-3.247	-0.0039	-2.5 to 2.5	Pass
				-10	3.70	-8.154	-0.0097	-2.5 to 2.5	Pass
				0	3.70	-11.401	-0.0136	-2.5 to 2.5	Pass
				10	3.70	-4.606	-0.0055	-2.5 to 2.5	Pass
				30	3.70	-0.415	-0.0005	-2.5 to 2.5	Pass
				40	3.70	-7.782	-0.0093	-2.5 to 2.5	Pass
				50	3.70	-5.279	-0.0063	-2.5 to 2.5	Pass
	847.5	15	0	20	3.30	-3.562	-0.0042	-2.5 to 2.5	Pass
					3.70	-2.604	-0.0031	-2.5 to 2.5	Pass
					4.00	-7.310	-0.0086	-2.5 to 2.5	Pass
				-30	3.70	-4.463	-0.0053	-2.5 to 2.5	Pass
				-20	3.70	-3.462	-0.0041	-2.5 to 2.5	Pass
				-10	3.70	-6.166	-0.0073	-2.5 to 2.5	Pass
				0	3.70	-6.137	-0.0072	-2.5 to 2.5	Pass
				10	3.70	-7.524	-0.0089	-2.5 to 2.5	Pass
				30	3.70	-5.050	-0.0060	-2.5 to 2.5	Pass
				40	3.70	-9.041	-0.0107	-2.5 to 2.5	Pass
				50	3.70	-4.263	-0.0050	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.30	-5.150	-0.0062	-2.5 to 2.5	Pass
					3.70	-11.172	-0.0135	-2.5 to 2.5	Pass
					4.00	-7.639	-0.0093	-2.5 to 2.5	Pass

				-30	3.70	-6.380	-0.0077	-2.5 to 2.5	Pass
				-20	3.70	-6.638	-0.0080	-2.5 to 2.5	Pass
				-10	3.70	-6.108	-0.0074	-2.5 to 2.5	Pass
				0	3.70	-6.351	-0.0077	-2.5 to 2.5	Pass
				10	3.70	-6.423	-0.0078	-2.5 to 2.5	Pass
				30	3.70	-8.726	-0.0106	-2.5 to 2.5	Pass
				40	3.70	-6.151	-0.0075	-2.5 to 2.5	Pass
				50	3.70	-6.523	-0.0079	-2.5 to 2.5	Pass
	836.5	15	0	20	3.30	-3.648	-0.0044	-2.5 to 2.5	Pass
					3.70	-8.554	-0.0102	-2.5 to 2.5	Pass
					4.00	-10.114	-0.0121	-2.5 to 2.5	Pass
				-30	3.70	-10.200	-0.0122	-2.5 to 2.5	Pass
				-20	3.70	-7.510	-0.0090	-2.5 to 2.5	Pass
				-10	3.70	-7.081	-0.0085	-2.5 to 2.5	Pass
				0	3.70	-8.240	-0.0099	-2.5 to 2.5	Pass
				10	3.70	-4.821	-0.0058	-2.5 to 2.5	Pass
				30	3.70	-8.211	-0.0098	-2.5 to 2.5	Pass
				40	3.70	-6.852	-0.0082	-2.5 to 2.5	Pass
				50	3.70	-6.266	-0.0075	-2.5 to 2.5	Pass
	847.5	15	0	20	3.30	-8.883	-0.0105	-2.5 to 2.5	Pass
					3.70	-9.255	-0.0109	-2.5 to 2.5	Pass
					4.00	-5.236	-0.0062	-2.5 to 2.5	Pass
				-30	3.70	-8.469	-0.0100	-2.5 to 2.5	Pass
				-20	3.70	-9.170	-0.0108	-2.5 to 2.5	Pass
				-10	3.70	-4.249	-0.0050	-2.5 to 2.5	Pass
				0	3.70	-5.765	-0.0068	-2.5 to 2.5	Pass
				10	3.70	-0.730	-0.0009	-2.5 to 2.5	Pass
				30	3.70	-7.639	-0.0090	-2.5 to 2.5	Pass
				40	3.70	-7.710	-0.0091	-2.5 to 2.5	Pass
				50	3.70	-7.281	-0.0086	-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	3.30	-10.600	-0.0128	-2.5 to 2.5	Pass
					3.70	-8.569	-0.0104	-2.5 to 2.5	Pass
					4.00	-4.835	-0.0058	-2.5 to 2.5	Pass
				-30	3.70	-3.934	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	-5.407	-0.0065	-2.5 to 2.5	Pass
				-10	3.70	-4.220	-0.0051	-2.5 to 2.5	Pass
				0	3.70	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	3.70	-7.024	-0.0085	-2.5 to 2.5	Pass
				30	3.70	-6.852	-0.0083	-2.5 to 2.5	Pass
				40	3.70	-2.918	-0.0035	-2.5 to 2.5	Pass
				50	3.70	-5.565	-0.0067	-2.5 to 2.5	Pass
	836.5	25	0	20	3.30	-4.663	-0.0056	-2.5 to 2.5	Pass
					3.70	-4.592	-0.0055	-2.5 to 2.5	Pass
					4.00	-4.907	-0.0059	-2.5 to 2.5	Pass
				-30	3.70	-5.765	-0.0069	-2.5 to 2.5	Pass
				-20	3.70	-5.736	-0.0069	-2.5 to 2.5	Pass
				-10	3.70	-8.526	-0.0102	-2.5 to 2.5	Pass
				0	3.70	-5.894	-0.0070	-2.5 to 2.5	Pass
				10	3.70	-3.247	-0.0039	-2.5 to 2.5	Pass
				30	3.70	-2.017	-0.0024	-2.5 to 2.5	Pass
				40	3.70	-6.680	-0.0080	-2.5 to 2.5	Pass

16QAM	846.5	25	0	50	3.70	-2.275	-0.0027	-2.5 to 2.5	Pass
				20	3.30	-4.535	-0.0054	-2.5 to 2.5	Pass
					3.70	-11.244	-0.0133	-2.5 to 2.5	Pass
					4.00	-6.323	-0.0075	-2.5 to 2.5	Pass
				-30	3.70	-6.723	-0.0079	-2.5 to 2.5	Pass
				-20	3.70	-5.765	-0.0068	-2.5 to 2.5	Pass
				-10	3.70	-4.621	-0.0055	-2.5 to 2.5	Pass
				0	3.70	-5.665	-0.0067	-2.5 to 2.5	Pass
				10	3.70	-5.336	-0.0063	-2.5 to 2.5	Pass
				30	3.70	-8.826	-0.0104	-2.5 to 2.5	Pass
				40	3.70	-3.648	-0.0043	-2.5 to 2.5	Pass
				50	3.70	-7.796	-0.0092	-2.5 to 2.5	Pass
	826.5	25	0	20	3.30	-5.250	-0.0064	-2.5 to 2.5	Pass
					3.70	-6.924	-0.0084	-2.5 to 2.5	Pass
					4.00	-8.626	-0.0104	-2.5 to 2.5	Pass
				-30	3.70	-3.390	-0.0041	-2.5 to 2.5	Pass
				-20	3.70	-7.997	-0.0097	-2.5 to 2.5	Pass
				-10	3.70	-7.367	-0.0089	-2.5 to 2.5	Pass
				0	3.70	-7.052	-0.0085	-2.5 to 2.5	Pass
				10	3.70	-7.253	-0.0088	-2.5 to 2.5	Pass
				30	3.70	-9.127	-0.0110	-2.5 to 2.5	Pass
				40	3.70	-6.981	-0.0084	-2.5 to 2.5	Pass
				50	3.70	-9.599	-0.0116	-2.5 to 2.5	Pass
	836.5	25	0	20	3.30	-4.907	-0.0059	-2.5 to 2.5	Pass
					3.70	-3.591	-0.0043	-2.5 to 2.5	Pass
					4.00	-7.825	-0.0094	-2.5 to 2.5	Pass
				-30	3.70	-10.972	-0.0131	-2.5 to 2.5	Pass
				-20	3.70	-8.554	-0.0102	-2.5 to 2.5	Pass
				-10	3.70	-11.873	-0.0142	-2.5 to 2.5	Pass
				0	3.70	-8.841	-0.0106	-2.5 to 2.5	Pass
				10	3.70	-5.307	-0.0063	-2.5 to 2.5	Pass
				30	3.70	-9.956	-0.0119	-2.5 to 2.5	Pass
				40	3.70	-4.749	-0.0057	-2.5 to 2.5	Pass
				50	3.70	-5.393	-0.0064	-2.5 to 2.5	Pass
	846.5	25	0	20	3.30	-7.939	-0.0094	-2.5 to 2.5	Pass
					3.70	-7.911	-0.0093	-2.5 to 2.5	Pass
					4.00	-6.738	-0.0080	-2.5 to 2.5	Pass
				-30	3.70	-8.154	-0.0096	-2.5 to 2.5	Pass
				-20	3.70	-6.266	-0.0074	-2.5 to 2.5	Pass
				-10	3.70	-9.570	-0.0113	-2.5 to 2.5	Pass
				0	3.70	-9.012	-0.0106	-2.5 to 2.5	Pass
				10	3.70	-6.409	-0.0076	-2.5 to 2.5	Pass
				30	3.70	-9.141	-0.0108	-2.5 to 2.5	Pass
				40	3.70	-3.519	-0.0042	-2.5 to 2.5	Pass
				50	3.70	-10.171	-0.0120	-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	3.30	-8.483	-0.0102	-2.5 to 2.5	Pass
					3.70	-5.951	-0.0072	-2.5 to 2.5	Pass
					4.00	-3.862	-0.0047	-2.5 to 2.5	Pass
				-30	3.70	-6.509	-0.0079	-2.5 to 2.5	Pass

16QAM				-20	3.70	-3.247	-0.0039	-2.5 to 2.5	Pass
				-10	3.70	-2.146	-0.0026	-2.5 to 2.5	Pass
				0	3.70	-6.294	-0.0076	-2.5 to 2.5	Pass
				10	3.70	-8.211	-0.0099	-2.5 to 2.5	Pass
				30	3.70	-5.951	-0.0072	-2.5 to 2.5	Pass
				40	3.70	-7.839	-0.0095	-2.5 to 2.5	Pass
				50	3.70	-7.010	-0.0085	-2.5 to 2.5	Pass
	836.5	50	0	20	3.30	-4.206	-0.0050	-2.5 to 2.5	Pass
					3.70	-8.240	-0.0099	-2.5 to 2.5	Pass
					4.00	-6.752	-0.0081	-2.5 to 2.5	Pass
				-30	3.70	-5.307	-0.0063	-2.5 to 2.5	Pass
				-20	3.70	-8.483	-0.0101	-2.5 to 2.5	Pass
				-10	3.70	-8.354	-0.0100	-2.5 to 2.5	Pass
				0	3.70	-2.632	-0.0031	-2.5 to 2.5	Pass
				10	3.70	-3.004	-0.0036	-2.5 to 2.5	Pass
				30	3.70	-6.509	-0.0078	-2.5 to 2.5	Pass
				40	3.70	-6.738	-0.0081	-2.5 to 2.5	Pass
				50	3.70	-6.852	-0.0082	-2.5 to 2.5	Pass
				20	3.30	-3.805	-0.0045	-2.5 to 2.5	Pass
					3.70	-3.476	-0.0041	-2.5 to 2.5	Pass
					4.00	-6.523	-0.0077	-2.5 to 2.5	Pass
	844	50	0	-30	3.70	-6.080	-0.0072	-2.5 to 2.5	Pass
				-20	3.70	-7.668	-0.0091	-2.5 to 2.5	Pass
				-10	3.70	-6.323	-0.0075	-2.5 to 2.5	Pass
				0	3.70	-6.294	-0.0075	-2.5 to 2.5	Pass
				10	3.70	-8.526	-0.0101	-2.5 to 2.5	Pass
				30	3.70	-8.841	-0.0105	-2.5 to 2.5	Pass
				40	3.70	-8.168	-0.0097	-2.5 to 2.5	Pass
				50	3.70	-6.294	-0.0075	-2.5 to 2.5	Pass
	829	50	0	20	3.30	-6.838	-0.0082	-2.5 to 2.5	Pass
					3.70	-5.522	-0.0067	-2.5 to 2.5	Pass
					4.00	-3.848	-0.0046	-2.5 to 2.5	Pass
				-30	3.70	-5.364	-0.0065	-2.5 to 2.5	Pass
				-20	3.70	-6.809	-0.0082	-2.5 to 2.5	Pass
				-10	3.70	-2.732	-0.0033	-2.5 to 2.5	Pass
				0	3.70	-5.078	-0.0061	-2.5 to 2.5	Pass
				10	3.70	-7.825	-0.0094	-2.5 to 2.5	Pass
				30	3.70	-7.296	-0.0088	-2.5 to 2.5	Pass
				40	3.70	-3.948	-0.0048	-2.5 to 2.5	Pass
				50	3.70	-7.138	-0.0086	-2.5 to 2.5	Pass
	836.5	50	0	20	3.30	-5.822	-0.0070	-2.5 to 2.5	Pass
					3.70	-4.635	-0.0055	-2.5 to 2.5	Pass
					4.00	-4.835	-0.0058	-2.5 to 2.5	Pass
				-30	3.70	-6.795	-0.0081	-2.5 to 2.5	Pass
				-20	3.70	-5.894	-0.0070	-2.5 to 2.5	Pass
				-10	3.70	-7.210	-0.0086	-2.5 to 2.5	Pass
				0	3.70	-5.736	-0.0069	-2.5 to 2.5	Pass
				10	3.70	-4.907	-0.0059	-2.5 to 2.5	Pass
				30	3.70	-7.939	-0.0095	-2.5 to 2.5	Pass
				40	3.70	-4.463	-0.0053	-2.5 to 2.5	Pass
				50	3.70	-4.134	-0.0049	-2.5 to 2.5	Pass
	844	50	0	20	3.30	-6.723	-0.0080	-2.5 to 2.5	Pass
					3.70	-6.051	-0.0072	-2.5 to 2.5	Pass
					4.00	-6.223	-0.0074	-2.5 to 2.5	Pass
				-30	3.70	-4.706	-0.0056	-2.5 to 2.5	Pass
				-20	3.70	-3.891	-0.0046	-2.5 to 2.5	Pass
				-10	3.70	-5.579	-0.0066	-2.5 to 2.5	Pass
				0	3.70	-6.466	-0.0077	-2.5 to 2.5	Pass
				10	3.70	-5.379	-0.0064	-2.5 to 2.5	Pass

				30	3.70	-6.323	-0.0075	-2.5 to 2.5	Pass
				40	3.70	-6.623	-0.0078	-2.5 to 2.5	Pass
				50	3.70	-6.995	-0.0083	-2.5 to 2.5	Pass

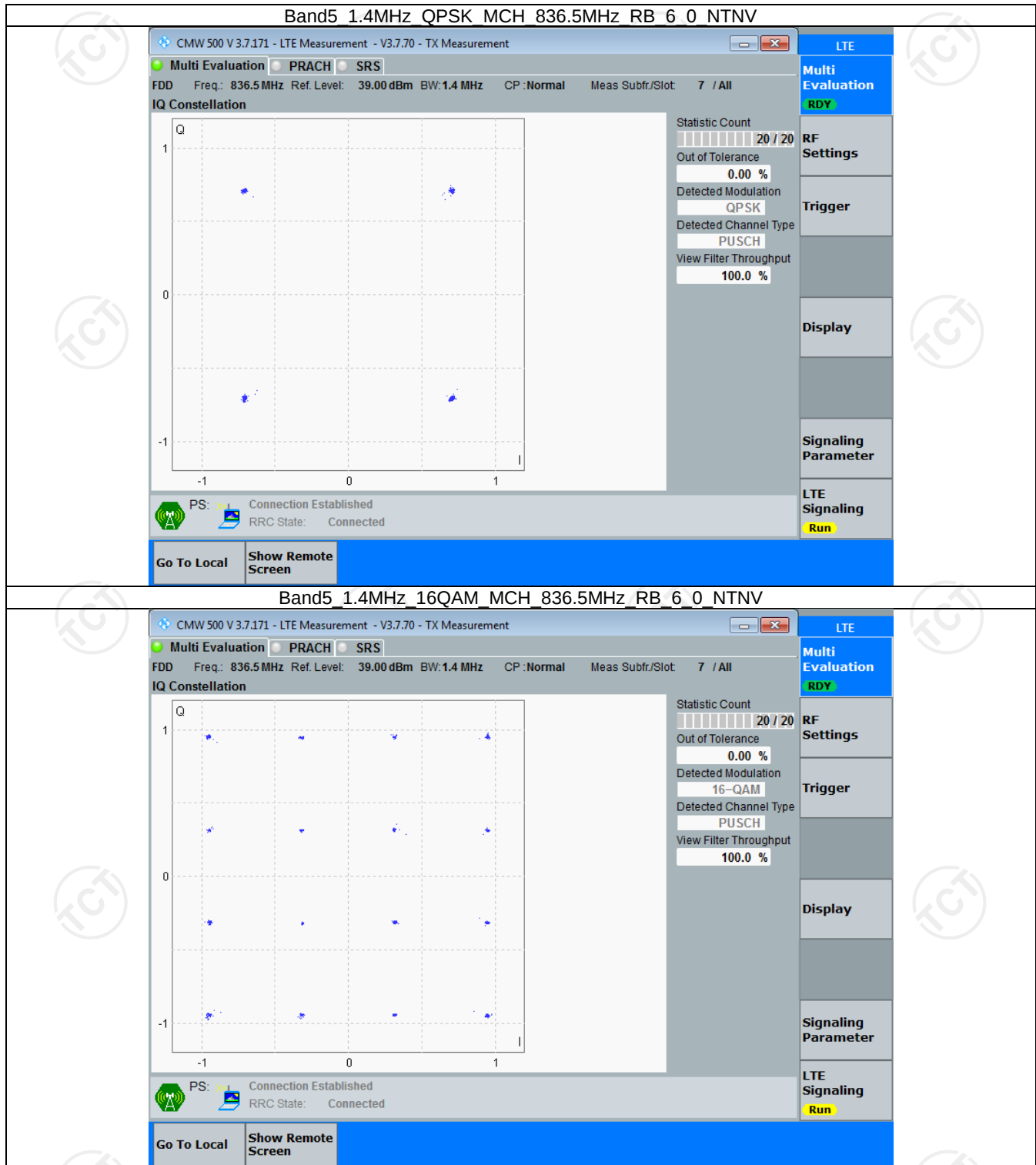
3. Modulation Characteristics

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

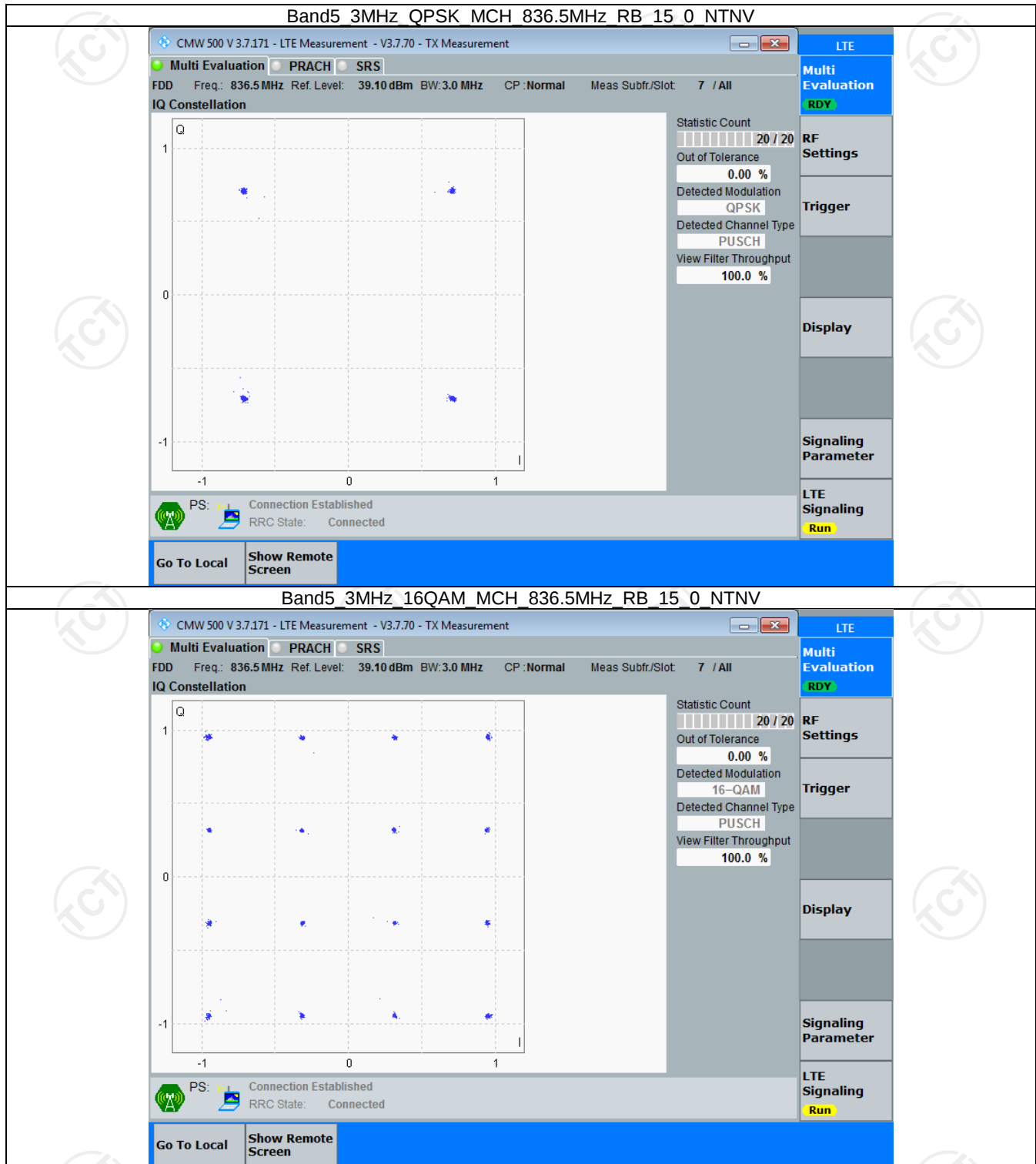


3.2 B5_3MHz

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





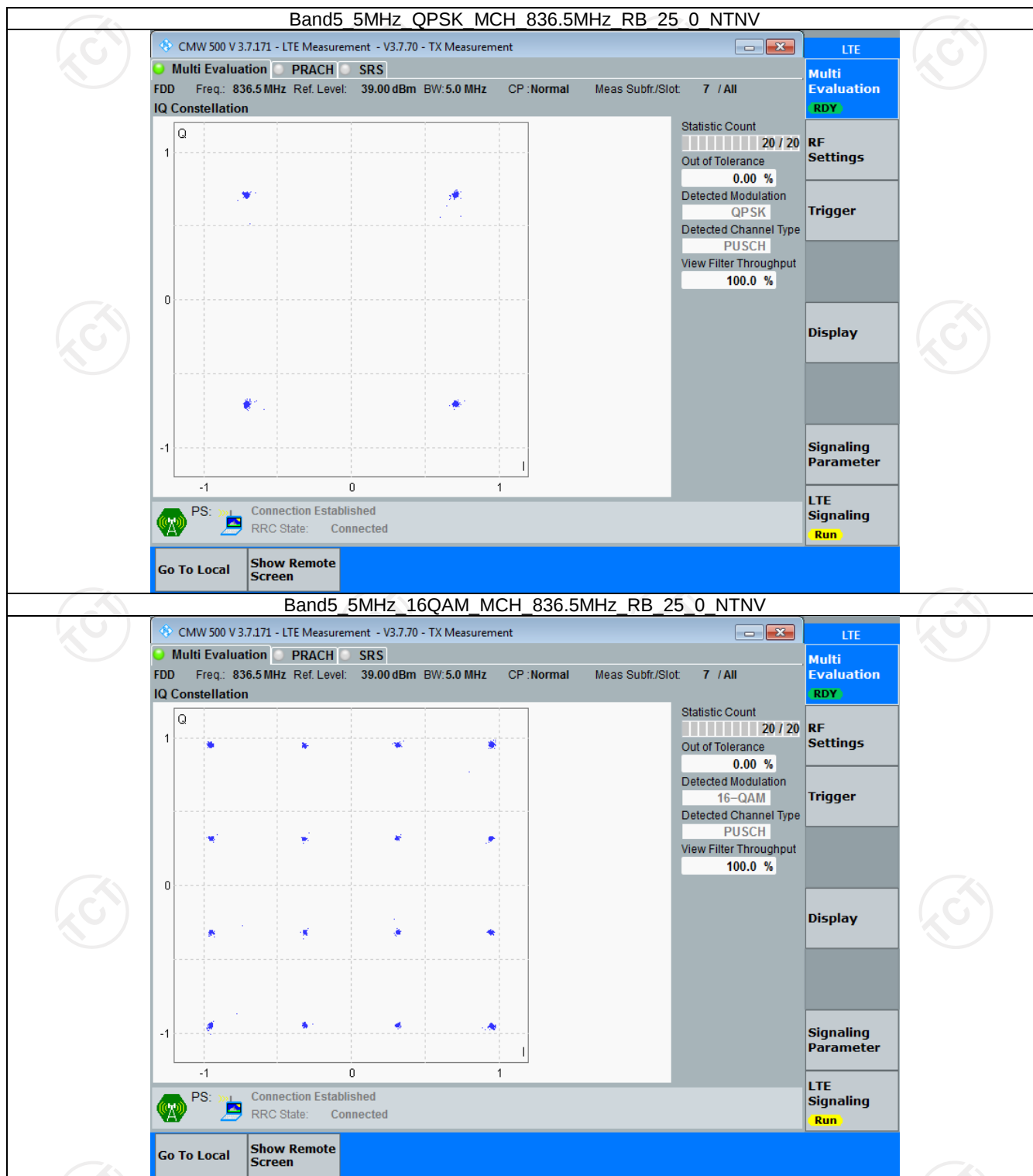
3.3 B5_5MHz

3.3.1 Test Result

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

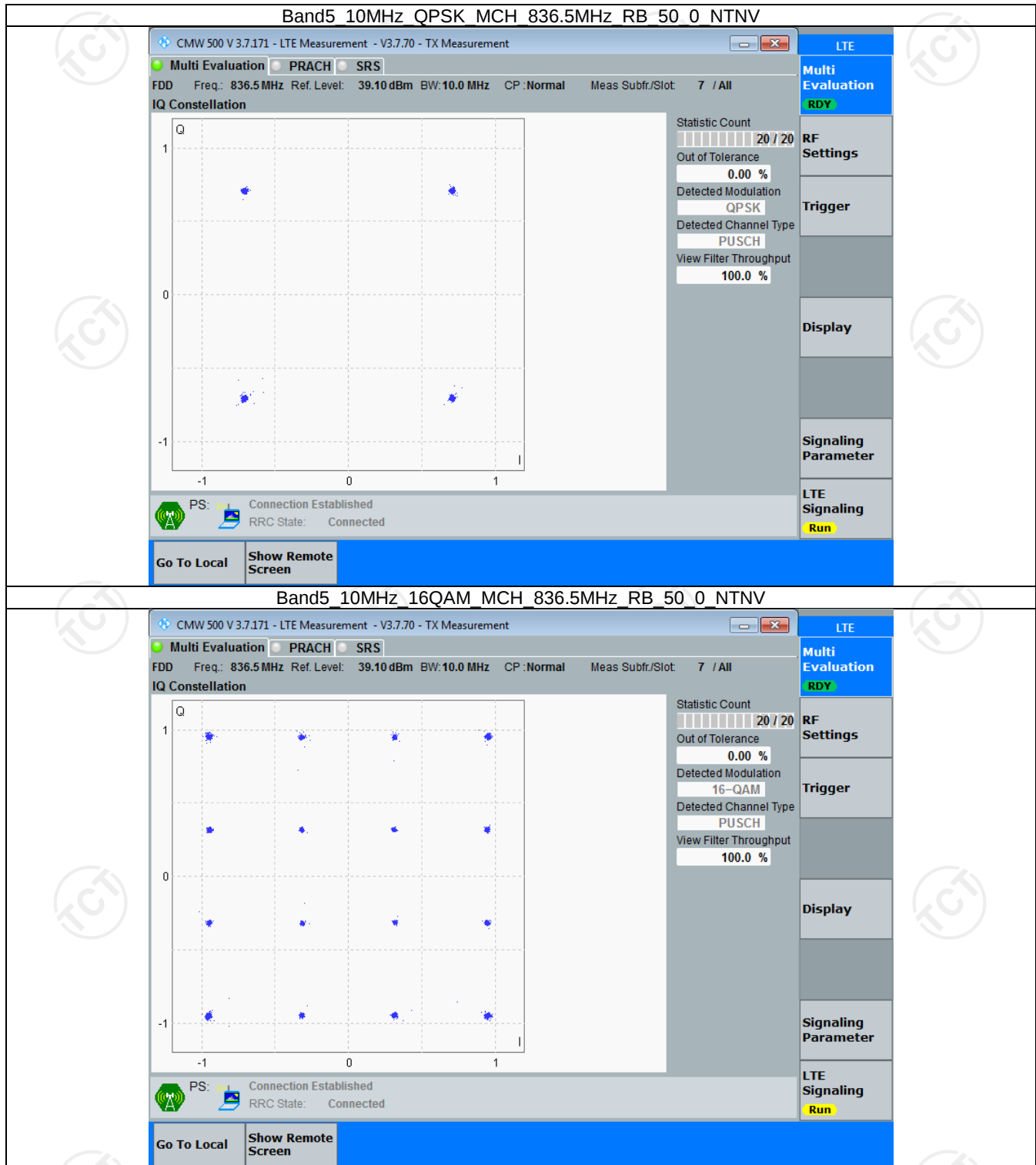


3.4 B5_10MHz

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



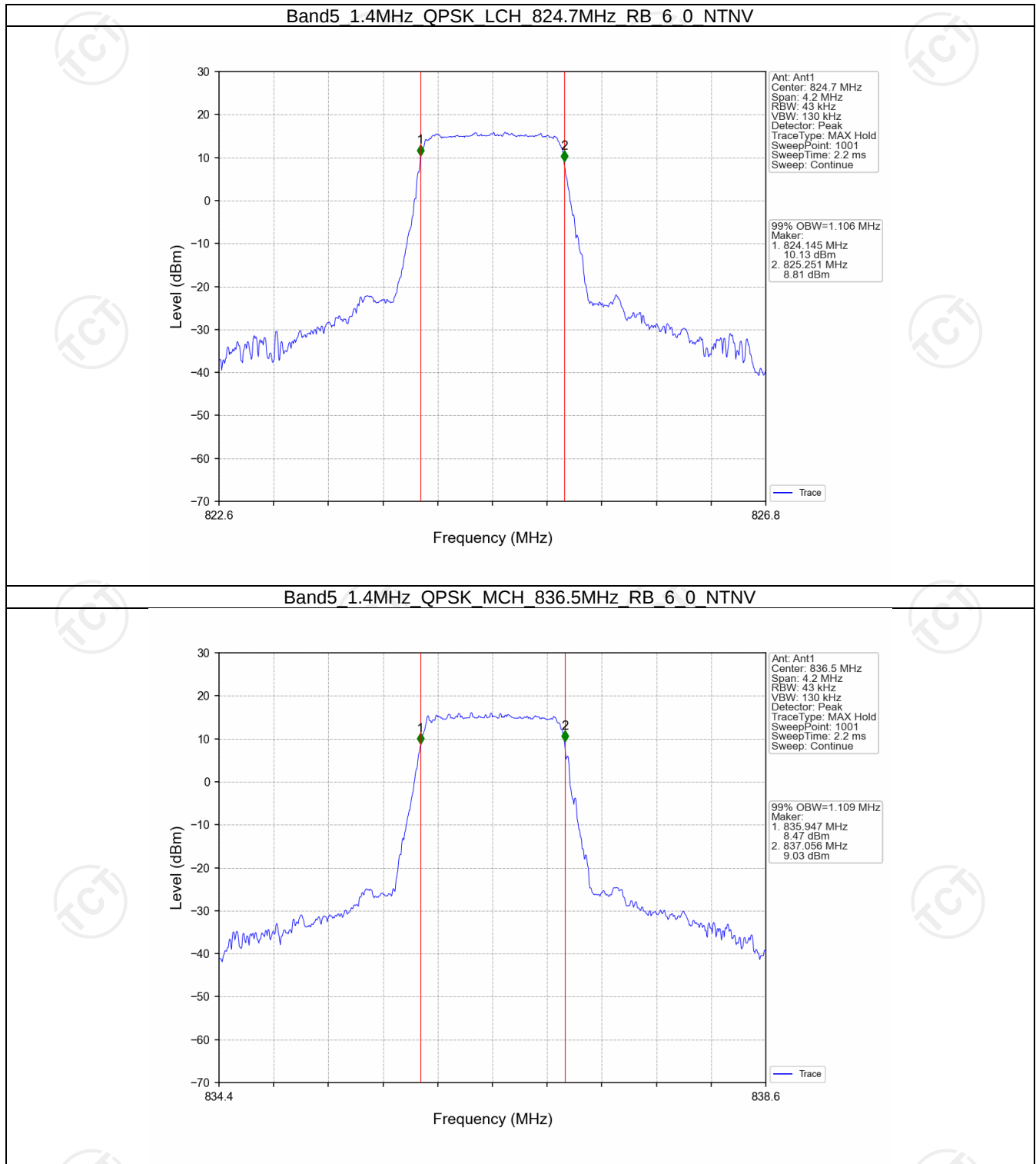
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

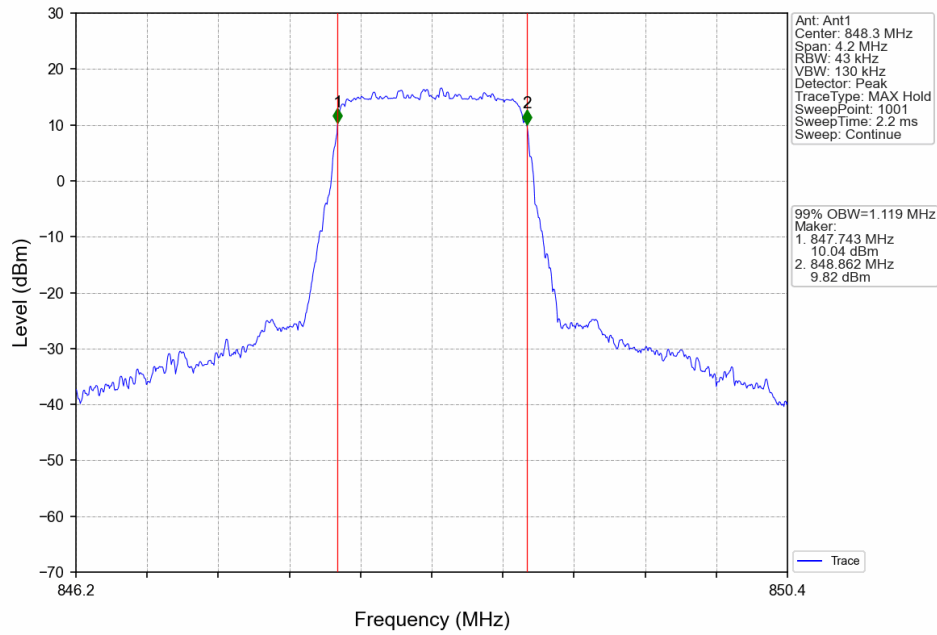
4.1.1 Test Result

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	1.109	Pass
		848.3	6	0	1.119	Pass
	16QAM	824.7	6	0	1.116	Pass
		836.5	6	0	1.110	Pass
		848.3	6	0	1.112	Pass
3	QPSK	825.5	15	0	2.722	Pass
		836.5	15	0	2.731	Pass
		847.5	15	0	2.729	Pass
	16QAM	825.5	15	0	2.717	Pass
		836.5	15	0	2.724	Pass
		847.5	15	0	2.716	Pass
5	QPSK	826.5	25	0	4.550	Pass
		836.5	25	0	4.533	Pass
		846.5	25	0	4.533	Pass
	16QAM	826.5	25	0	4.530	Pass
		836.5	25	0	4.547	Pass
		846.5	25	0	4.537	Pass
10	QPSK	829	50	0	9.043	Pass
		836.5	50	0	9.049	Pass
		844	50	0	9.049	Pass
	16QAM	829	50	0	9.065	Pass
		836.5	50	0	9.057	Pass
		844	50	0	9.035	Pass

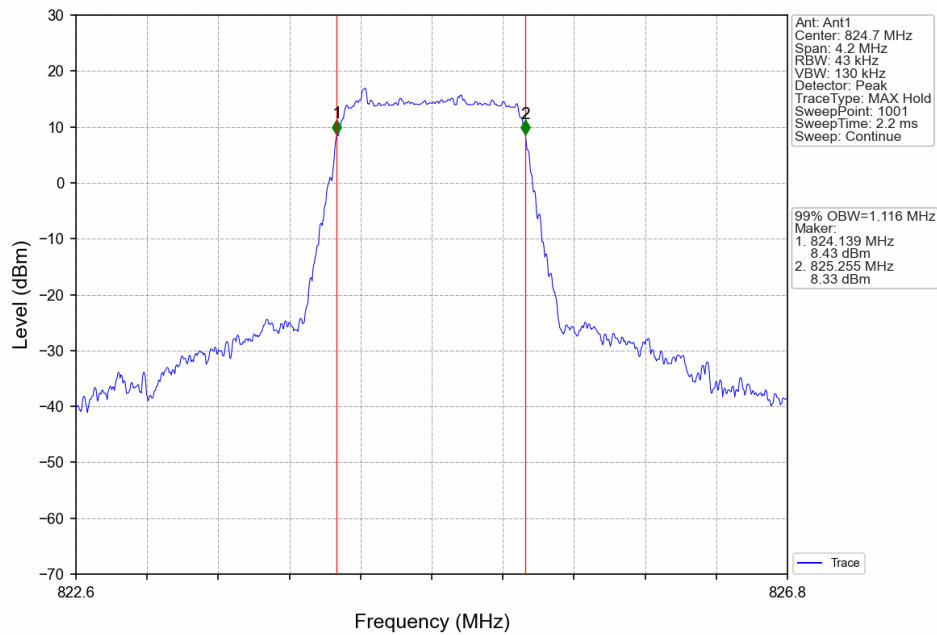
4.1.2 Test Graph



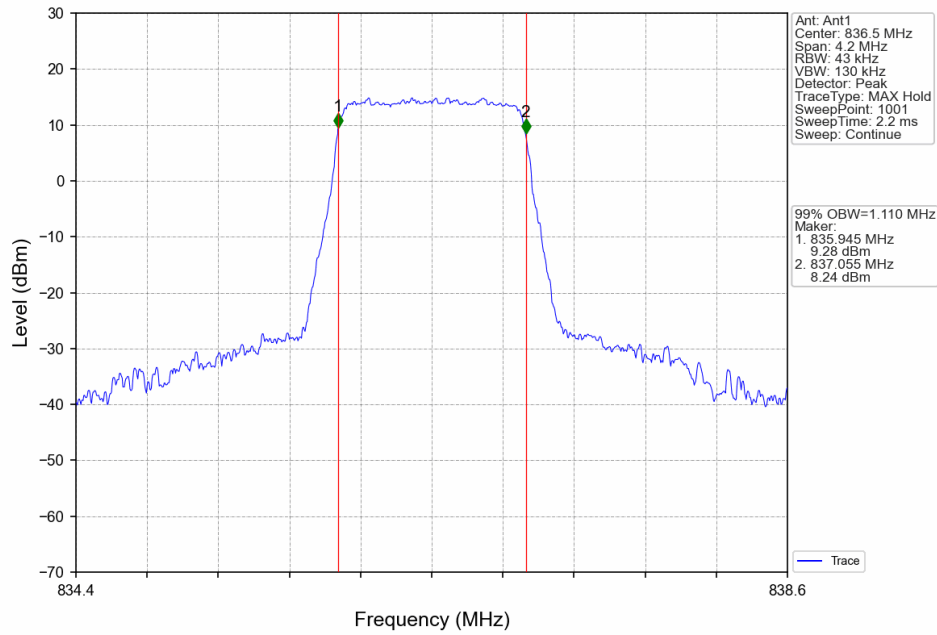
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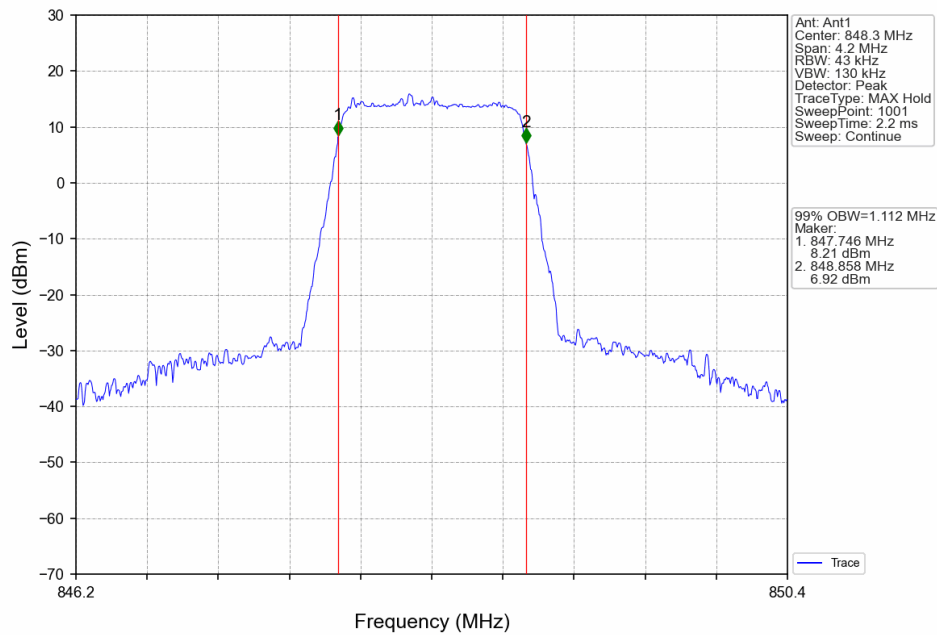
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



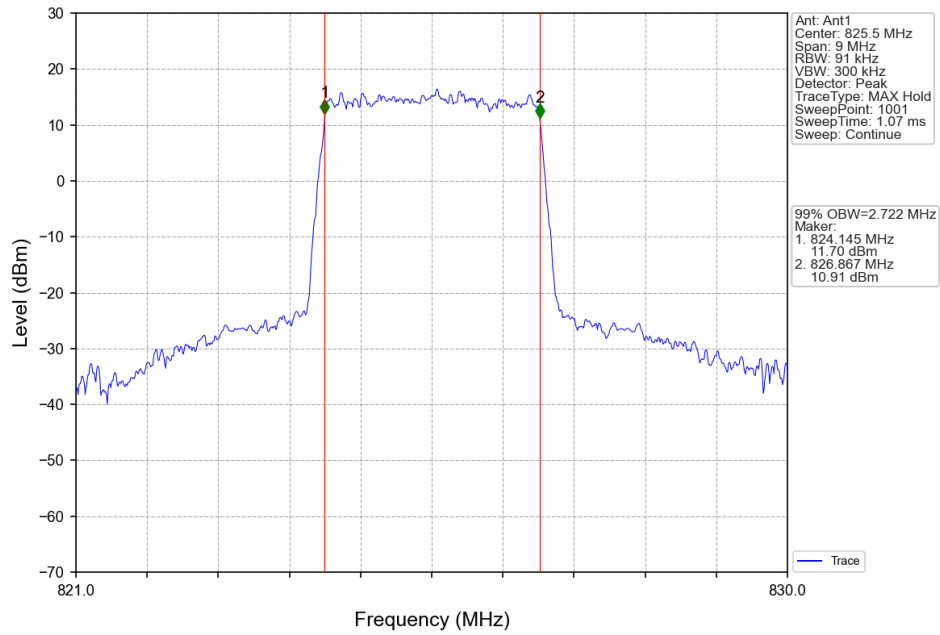
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



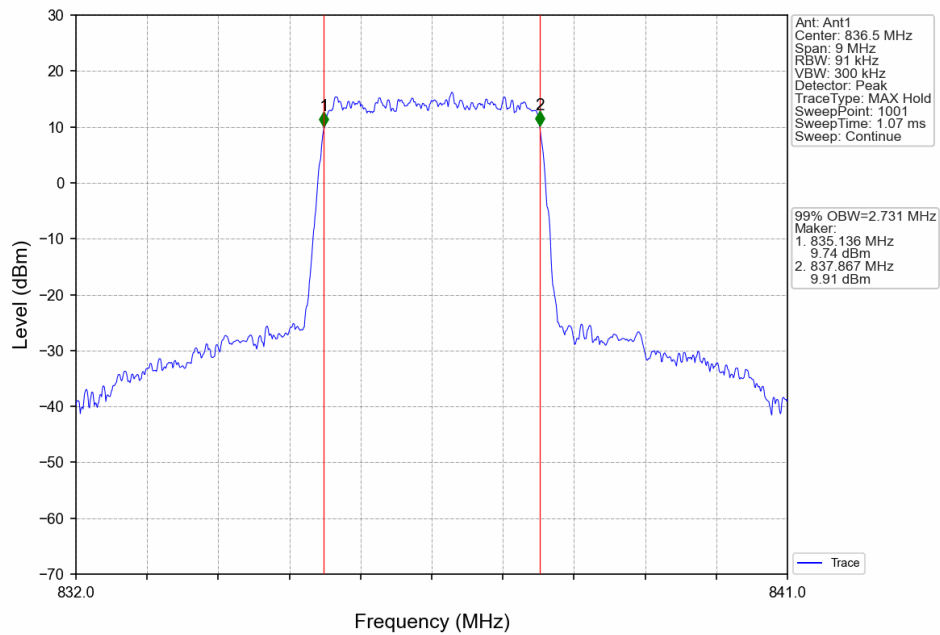
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



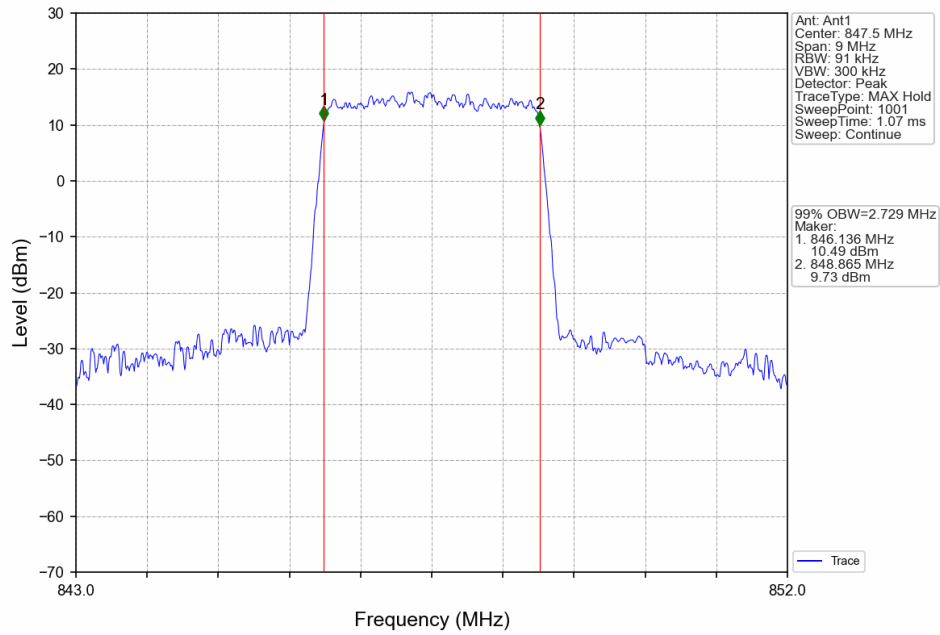
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



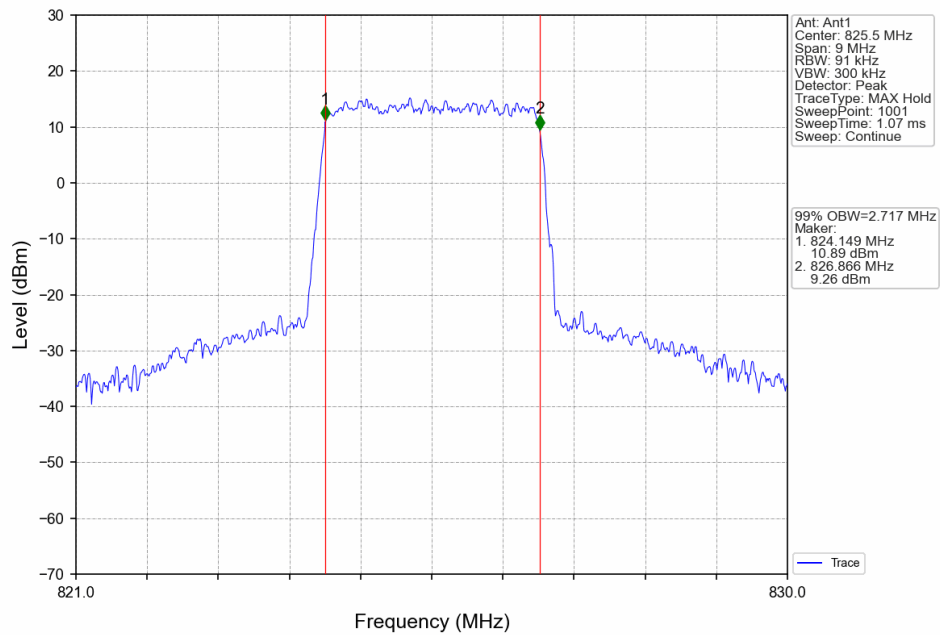
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



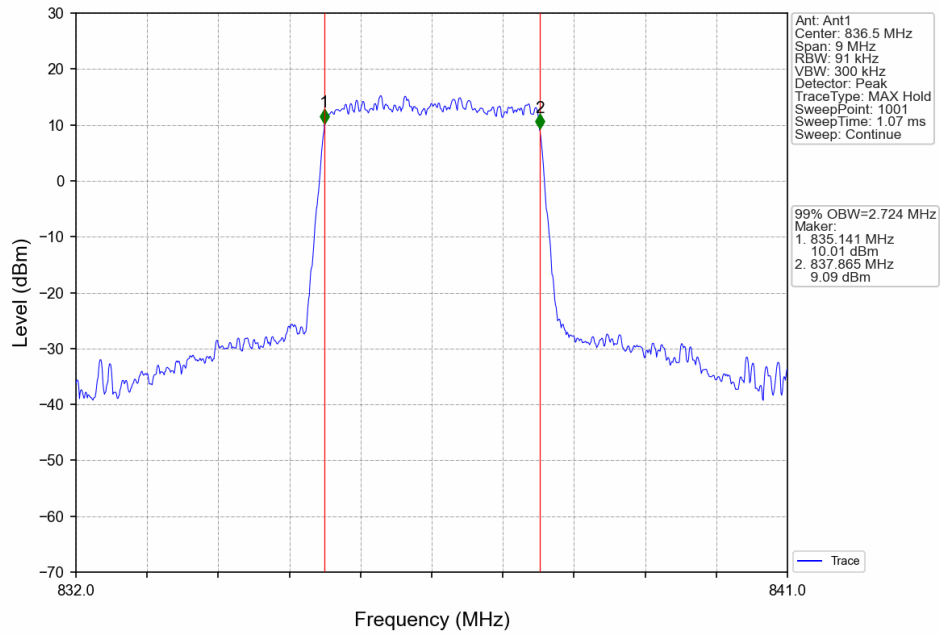
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



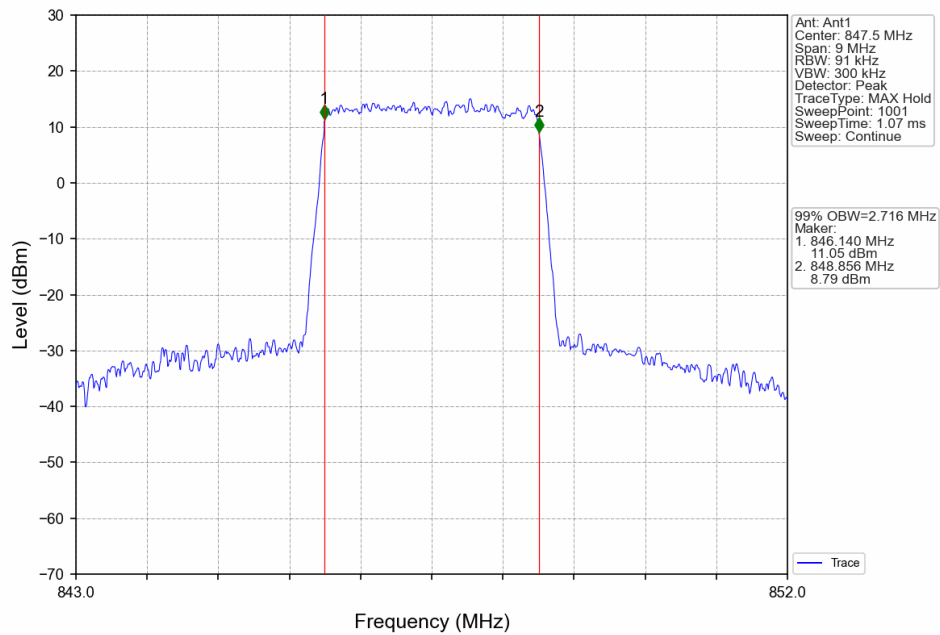
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



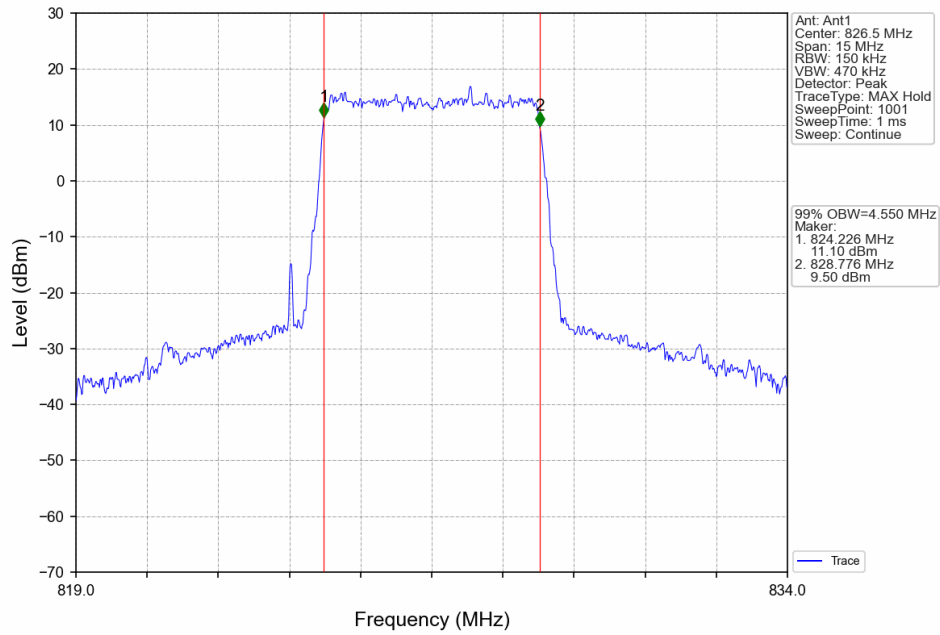
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



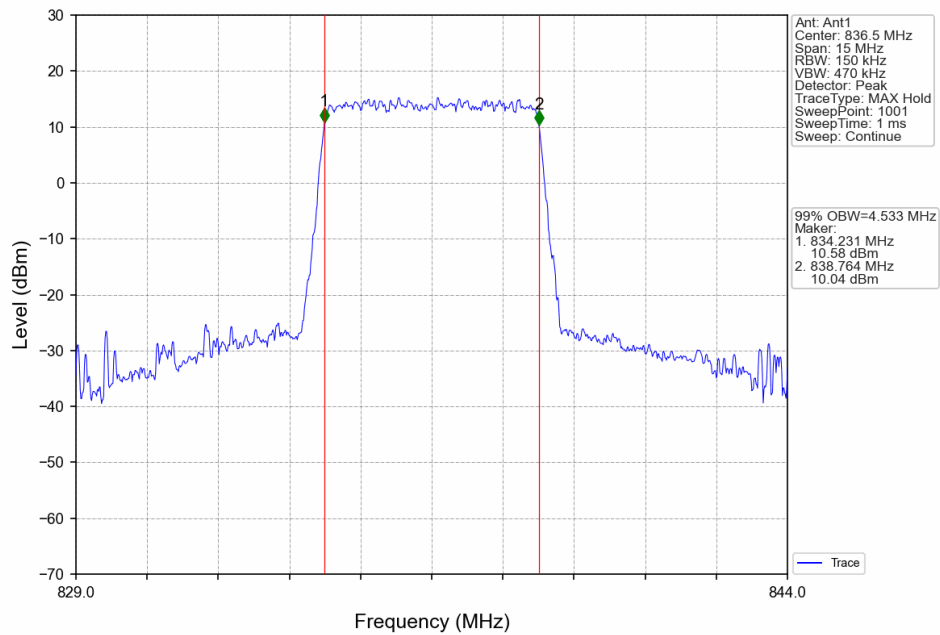
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



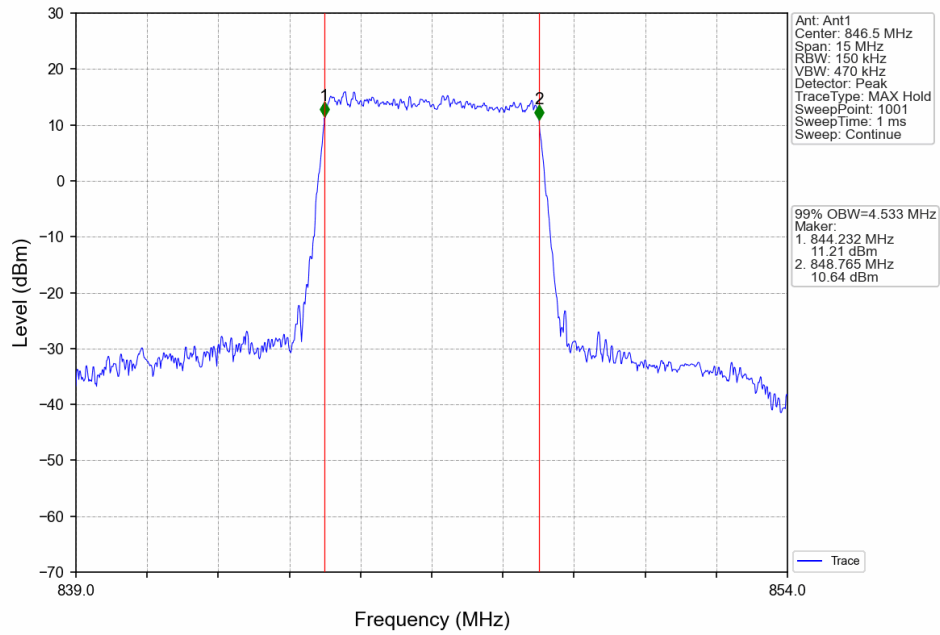
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



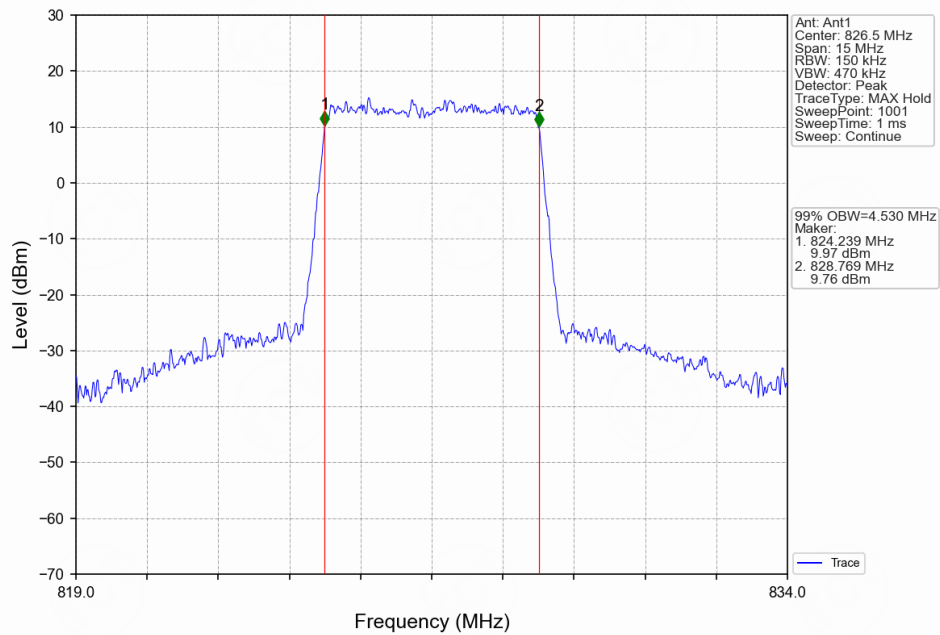
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



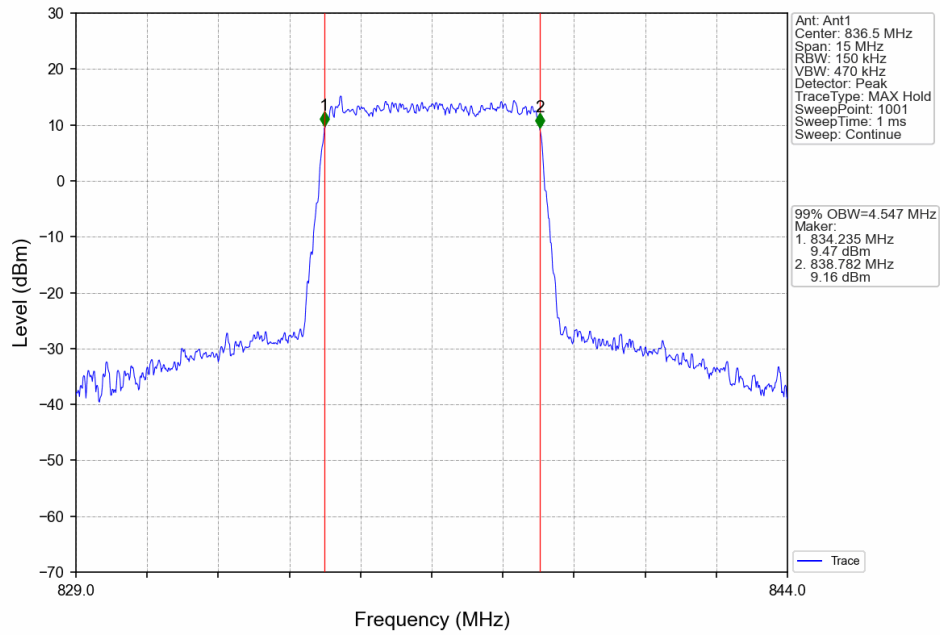
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



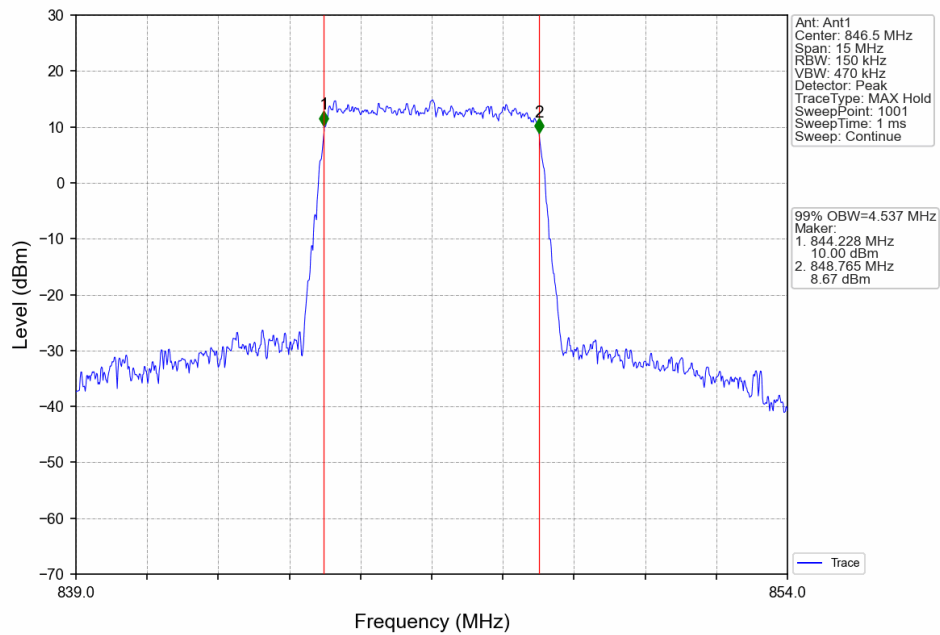
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



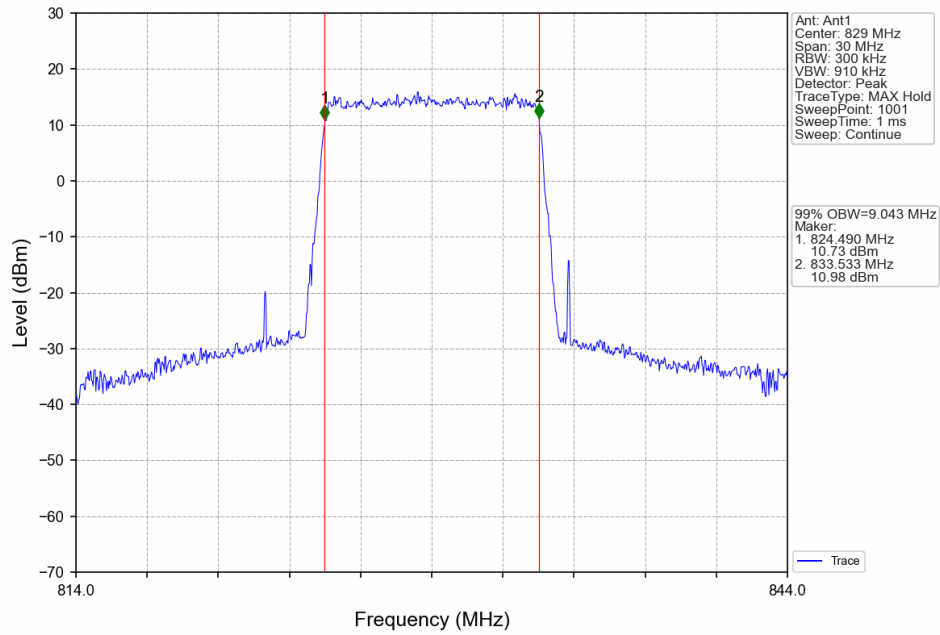
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



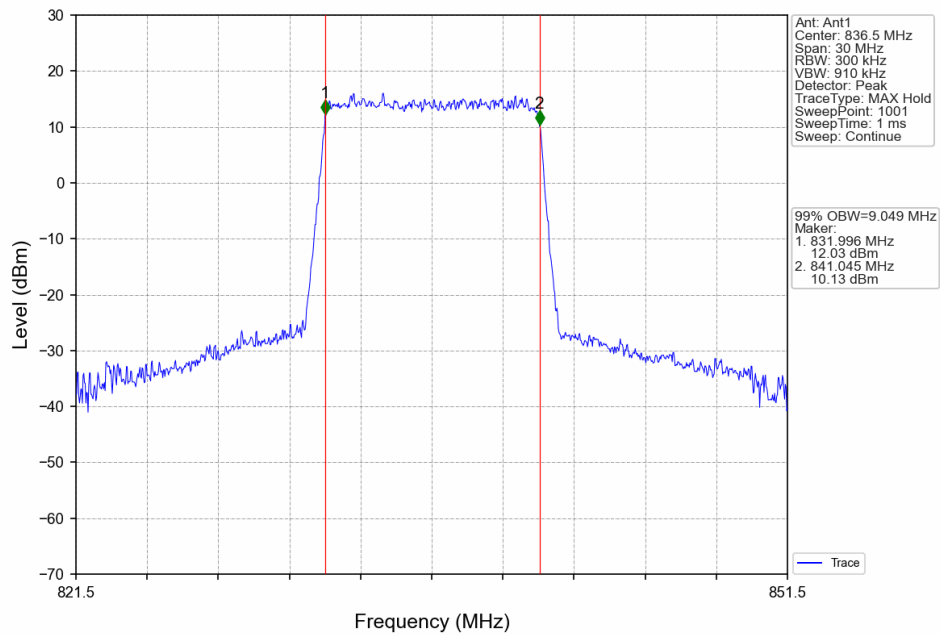
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



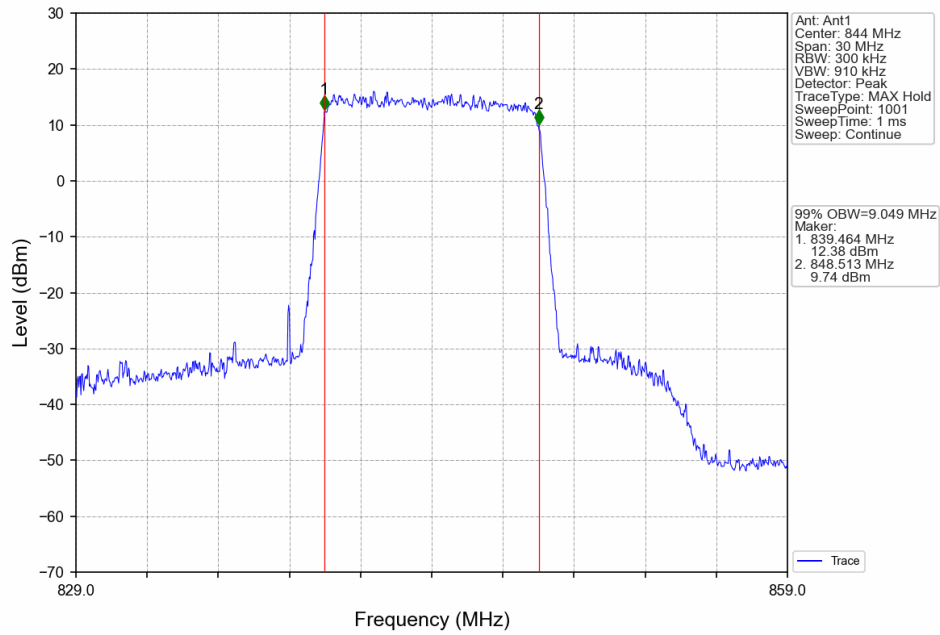
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



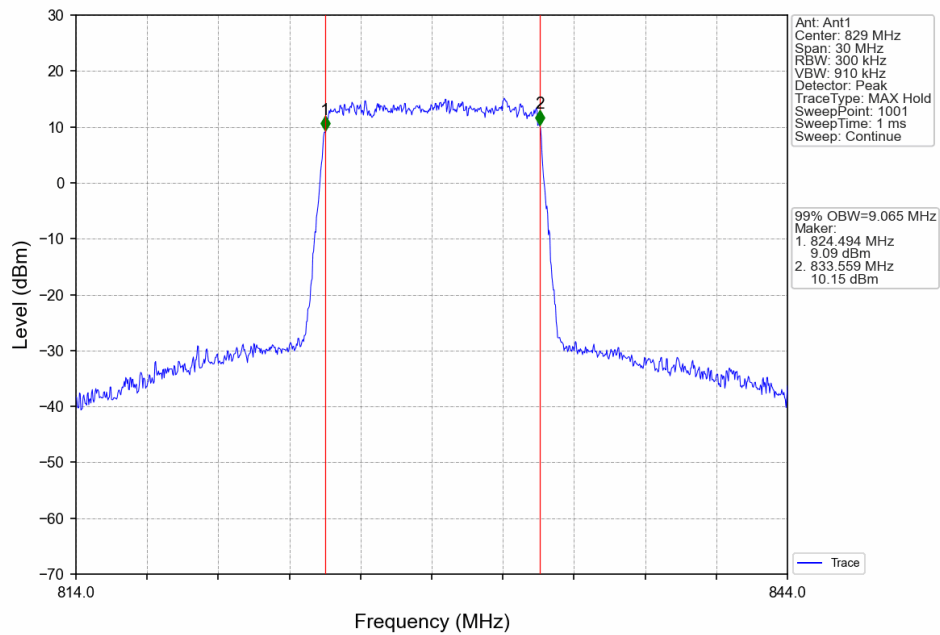
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



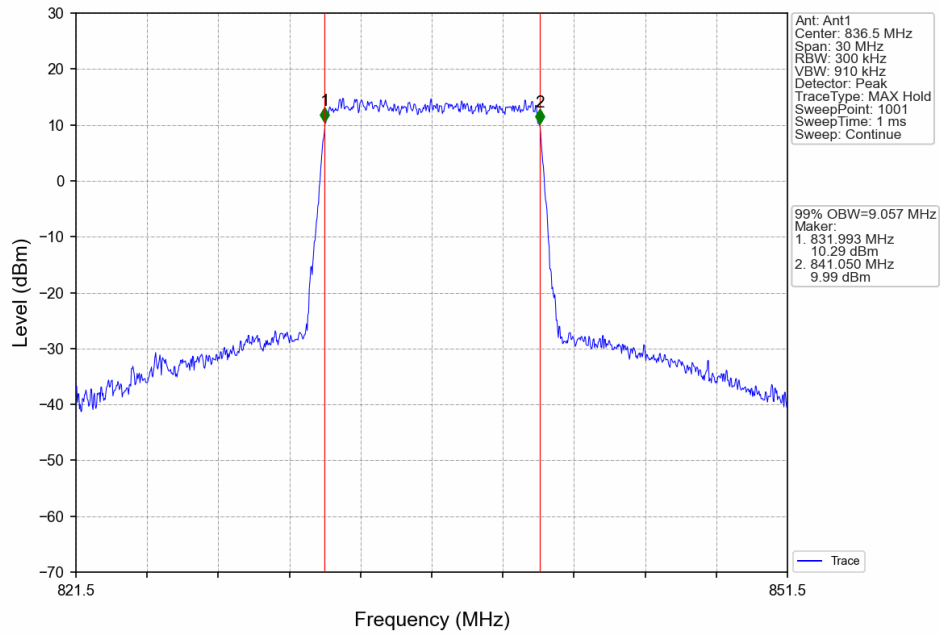
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



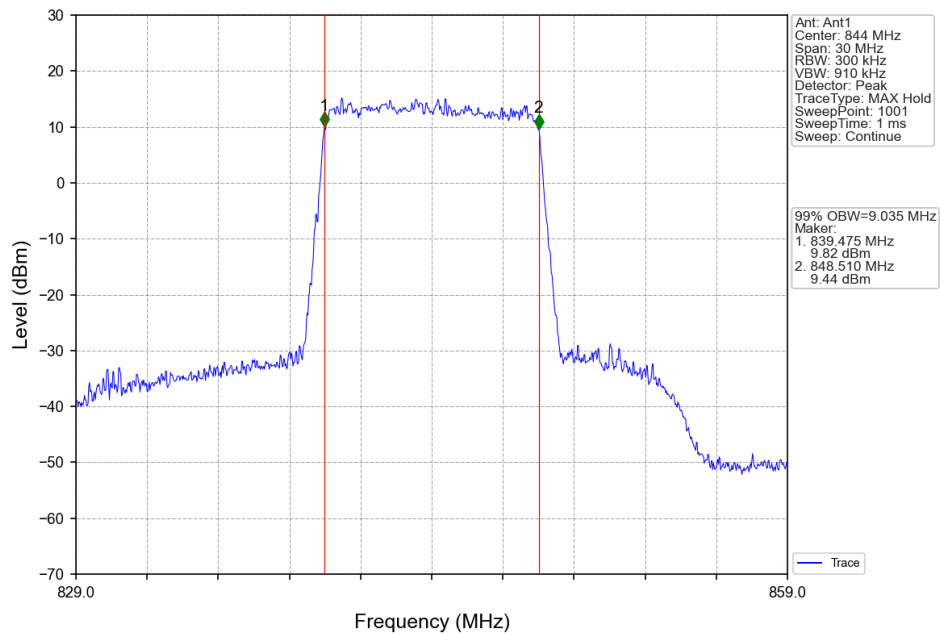
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

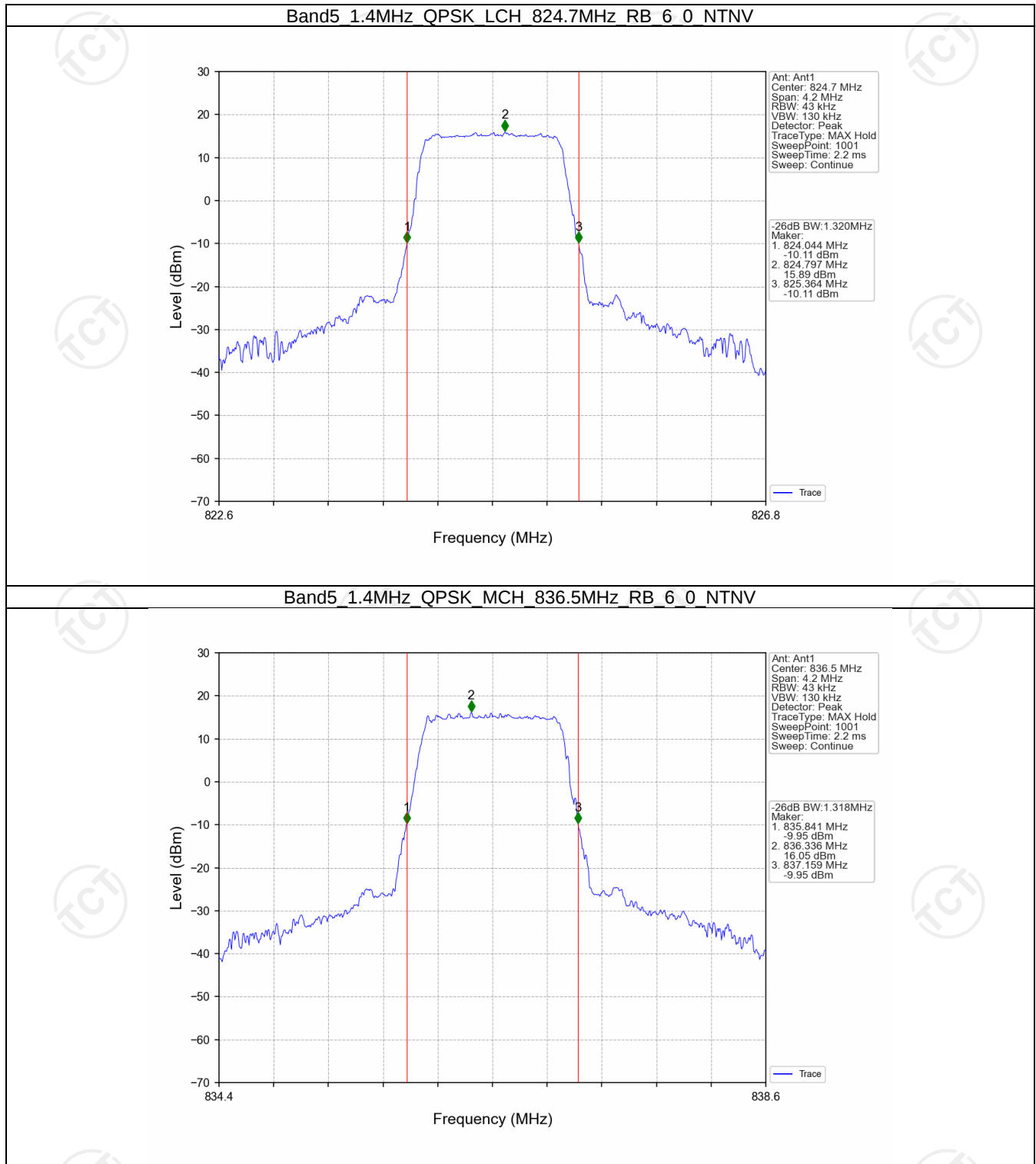


4.2 Band5_XDB

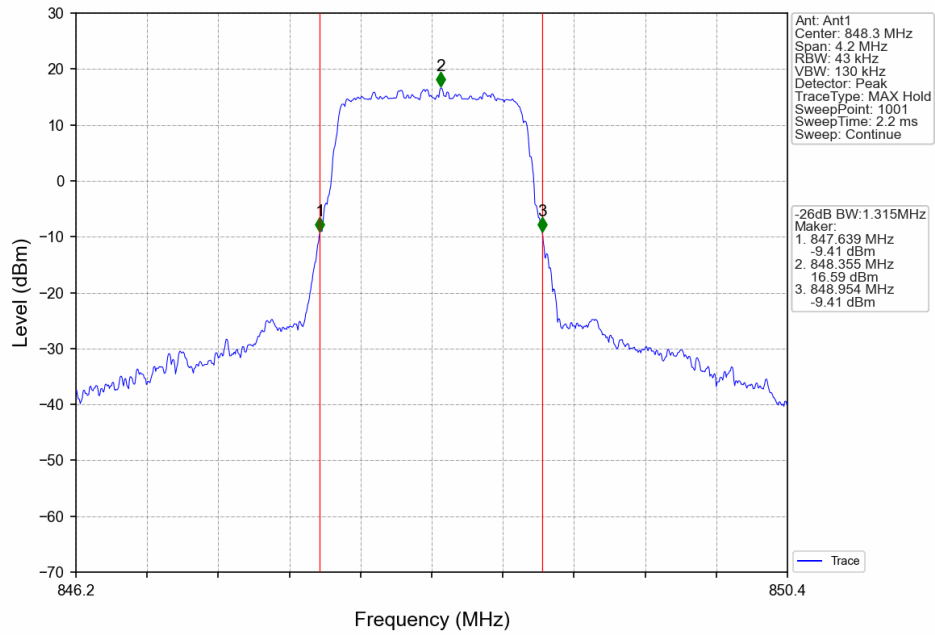
4.2.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.320	Pass
		836.5	6	0	1.318	Pass
		848.3	6	0	1.315	Pass
	16QAM	824.7	6	0	1.312	Pass
		836.5	6	0	1.302	Pass
		848.3	6	0	1.311	Pass
3	QPSK	825.5	15	0	3.007	Pass
		836.5	15	0	3.002	Pass
		847.5	15	0	3.005	Pass
	16QAM	825.5	15	0	2.984	Pass
		836.5	15	0	2.986	Pass
		847.5	15	0	2.992	Pass
5	QPSK	826.5	25	0	5.015	Pass
		836.5	25	0	5.004	Pass
		846.5	25	0	4.996	Pass
	16QAM	826.5	25	0	5.009	Pass
		836.5	25	0	5.003	Pass
		846.5	25	0	5.018	Pass
10	QPSK	829	50	0	9.951	Pass
		836.5	50	0	9.912	Pass
		844	50	0	9.936	Pass
	16QAM	829	50	0	9.953	Pass
		836.5	50	0	9.896	Pass
		844	50	0	9.890	Pass

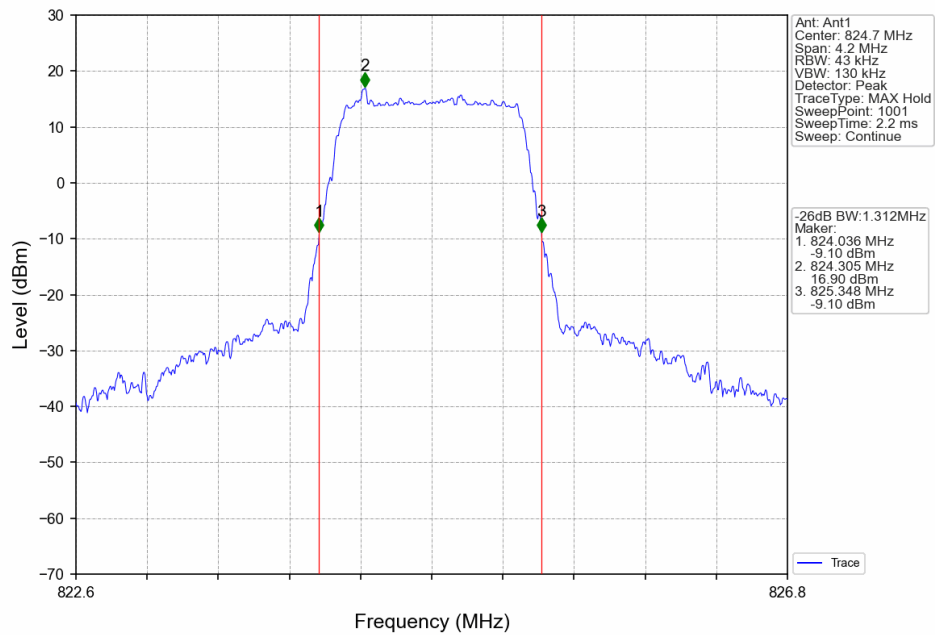
4.2.2 Test Graph



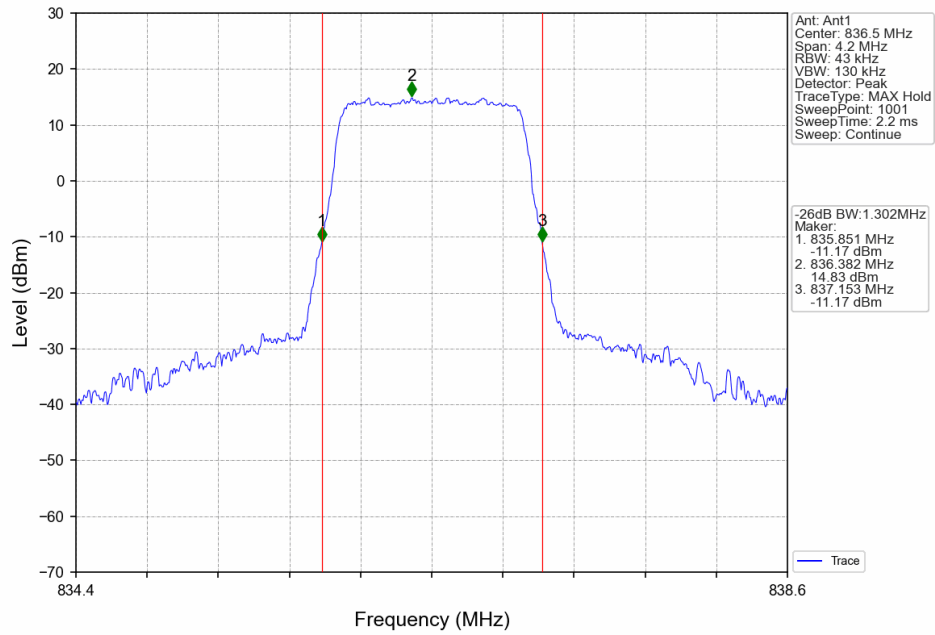
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



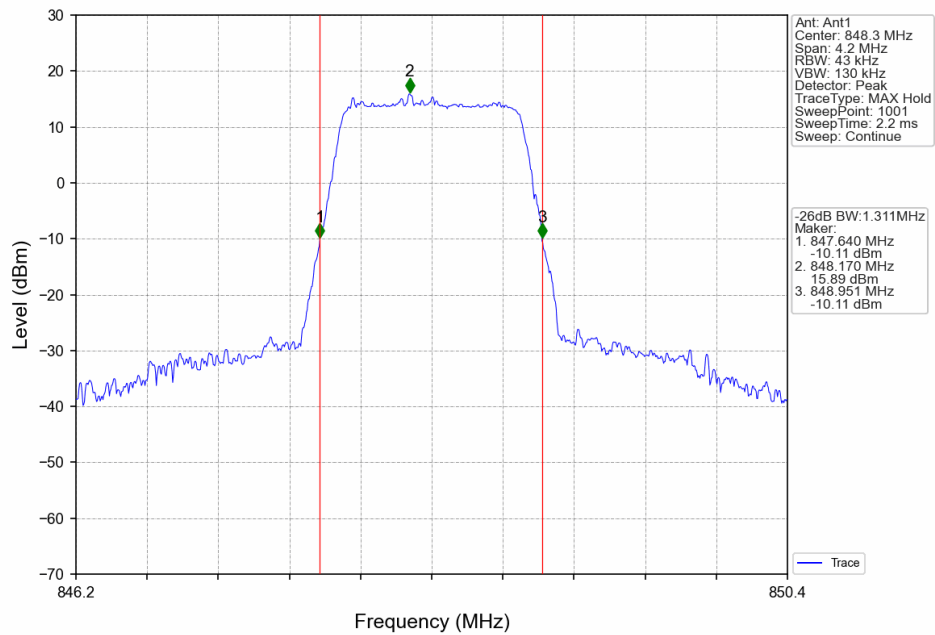
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



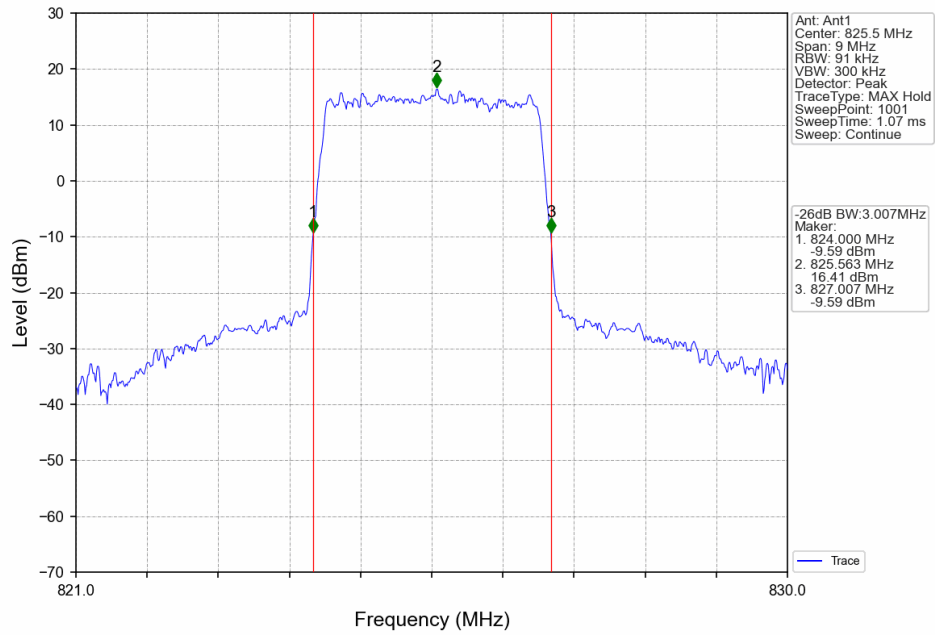
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



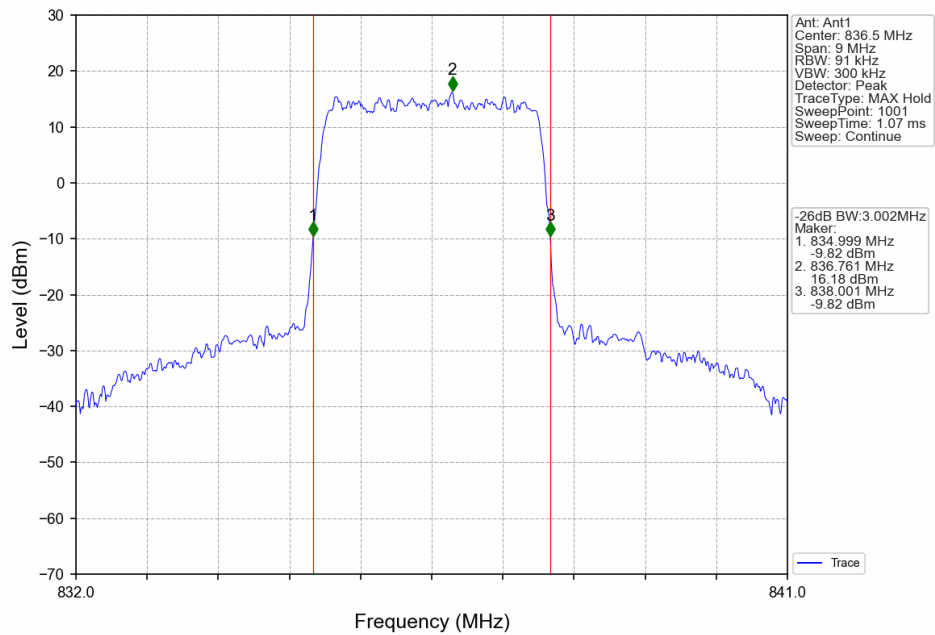
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



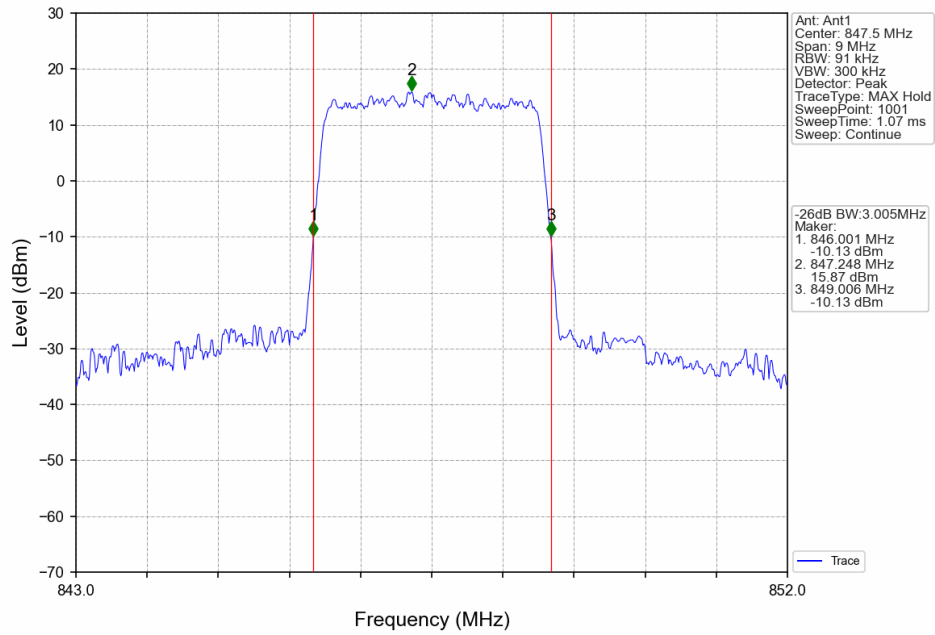
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



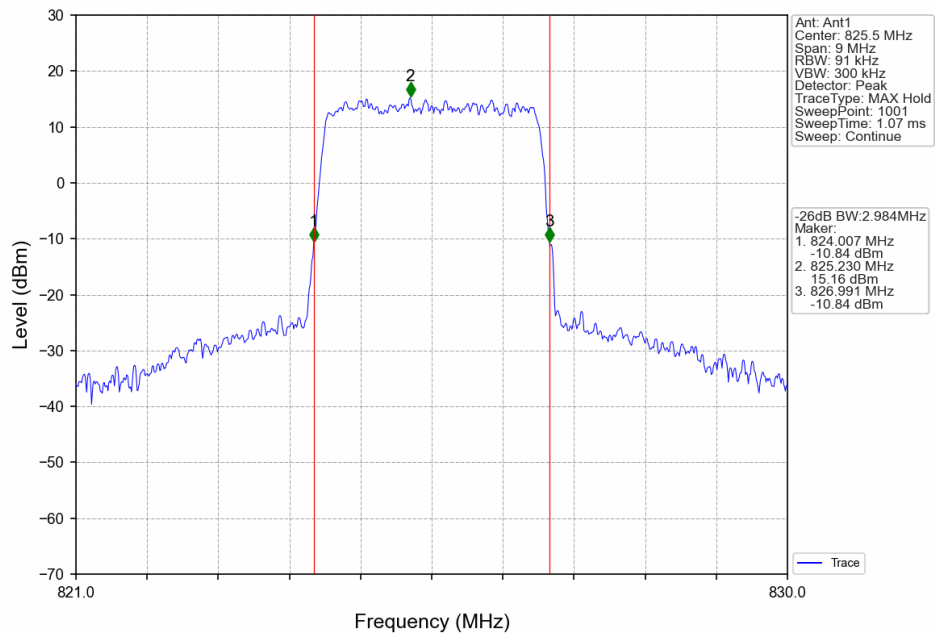
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



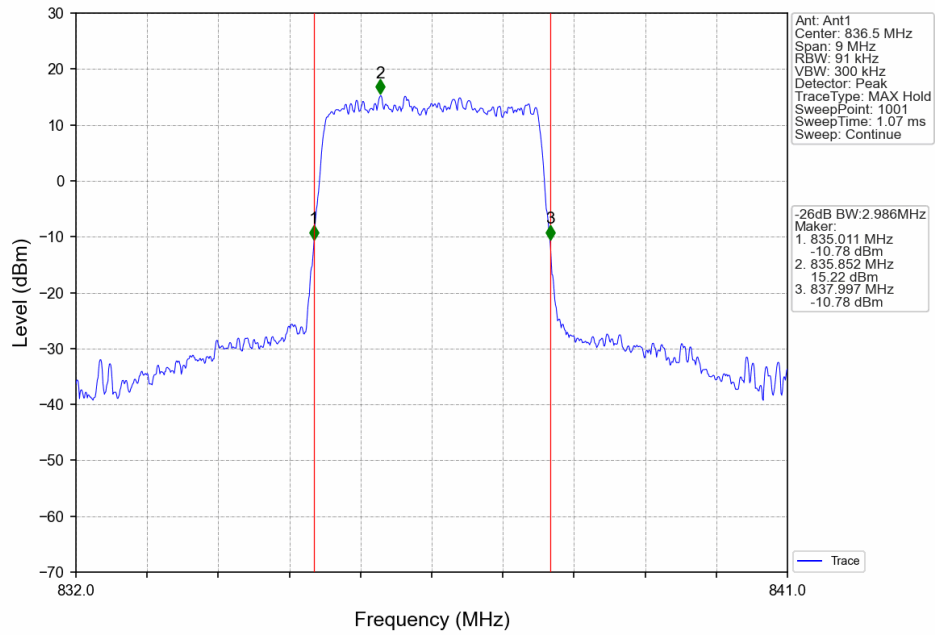
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



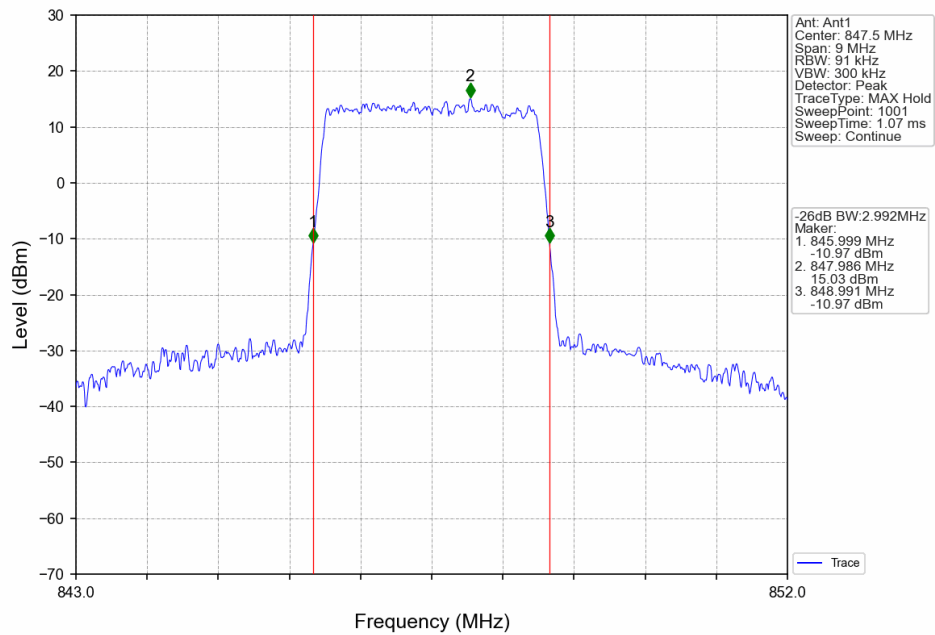
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



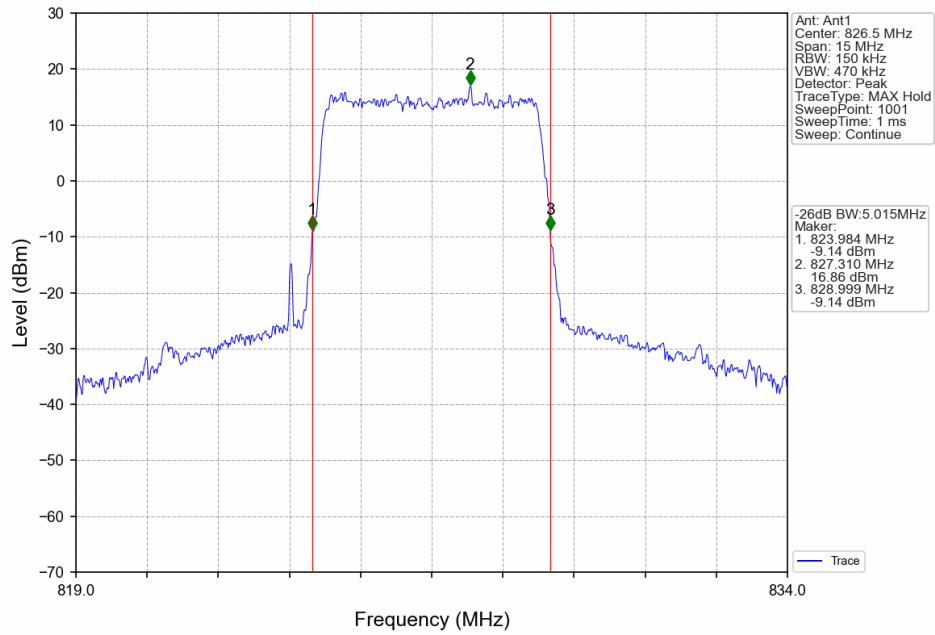
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



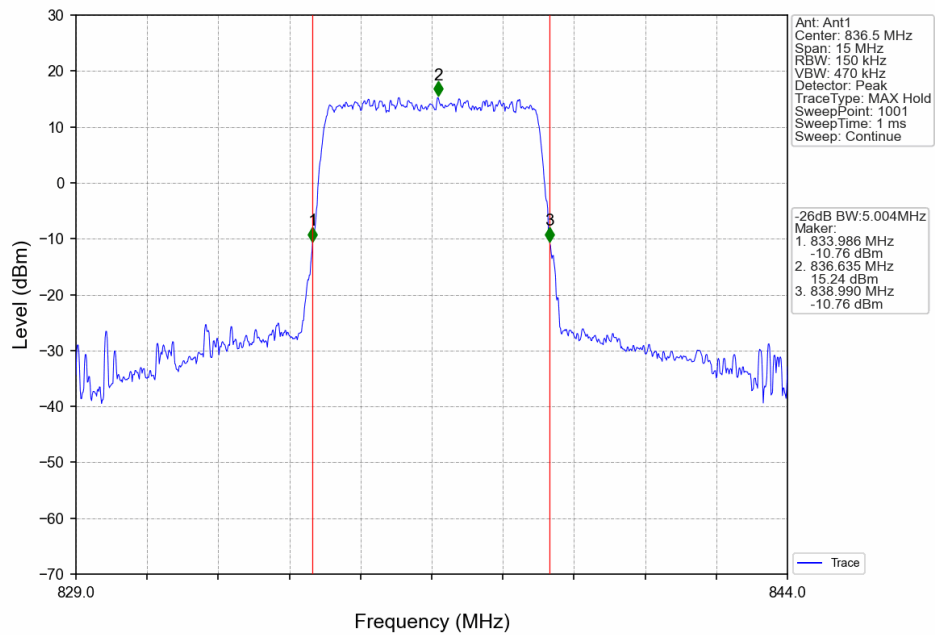
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



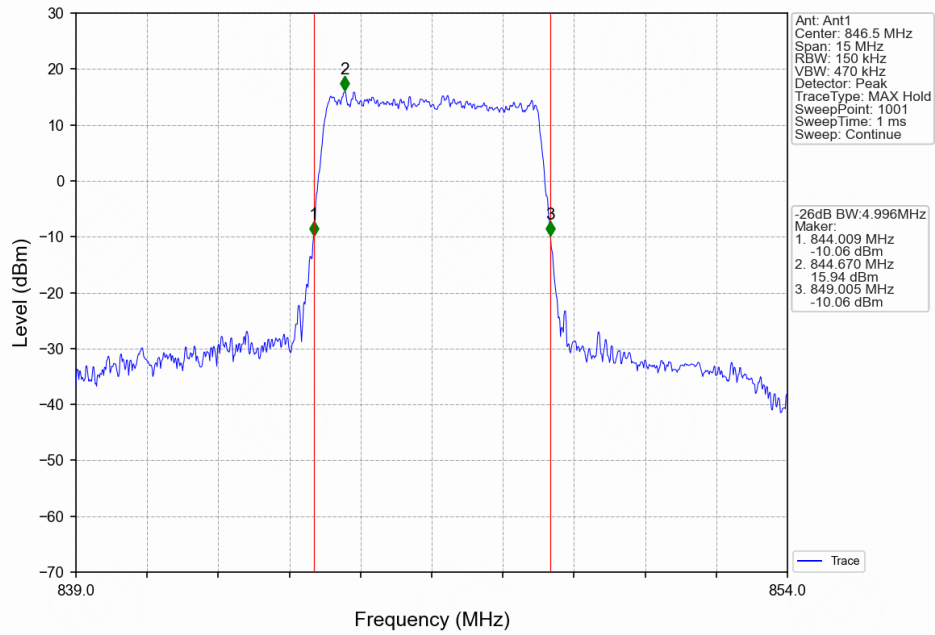
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



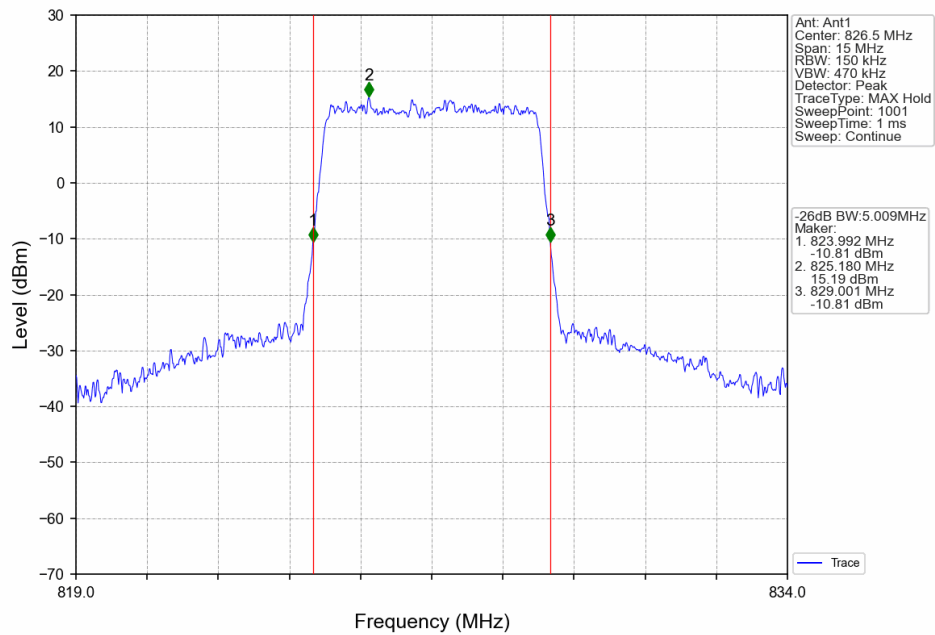
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



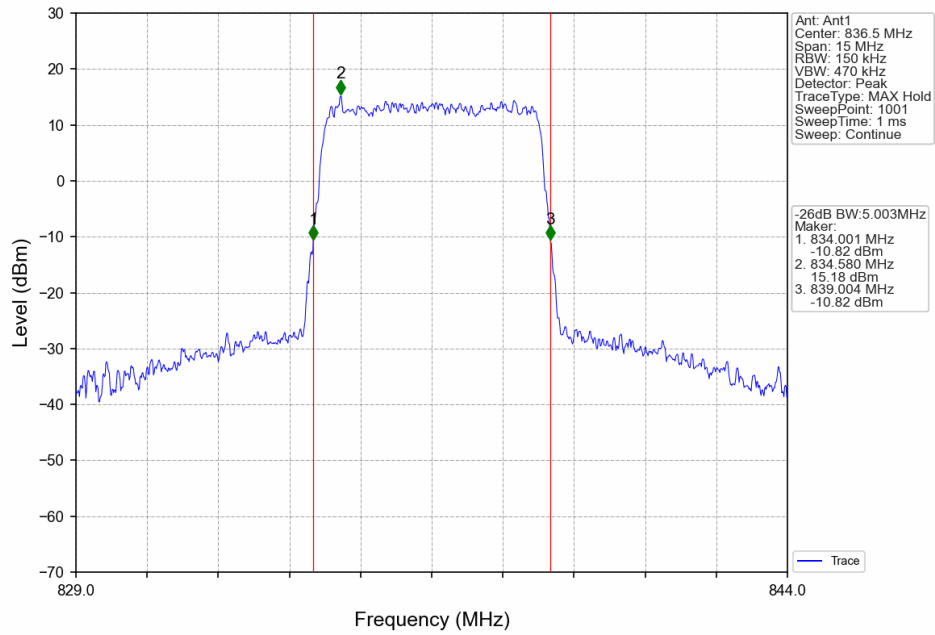
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



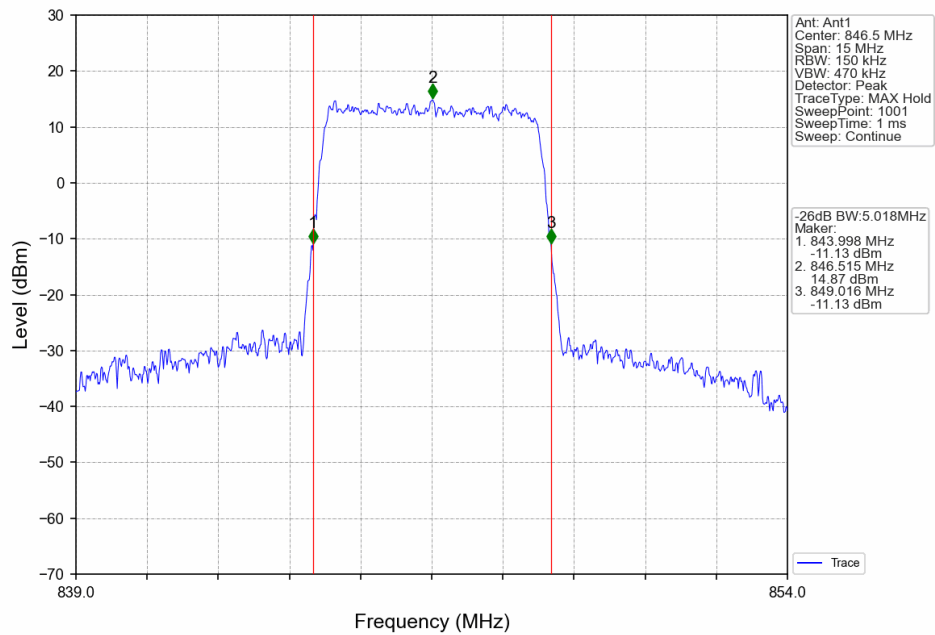
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



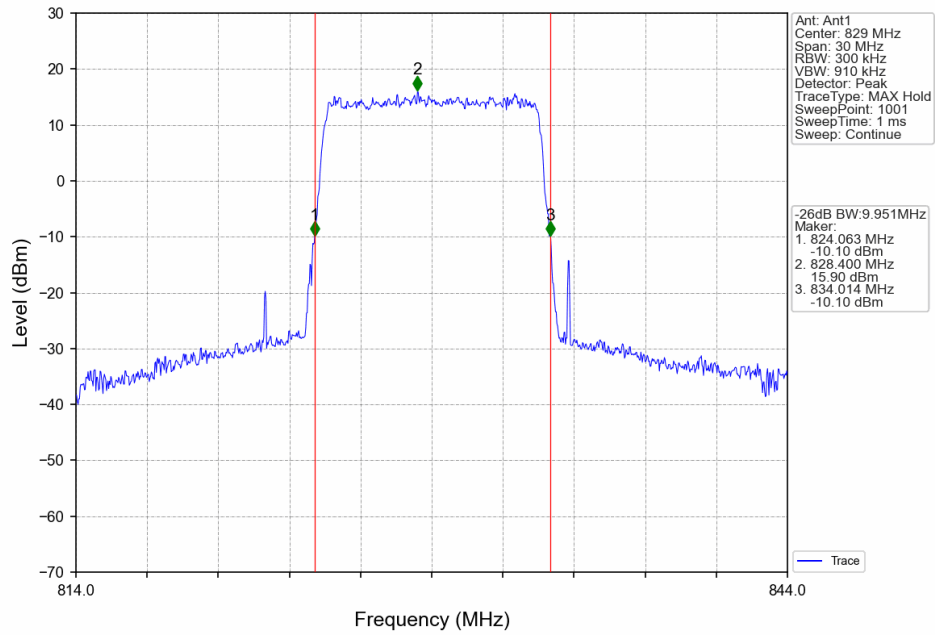
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



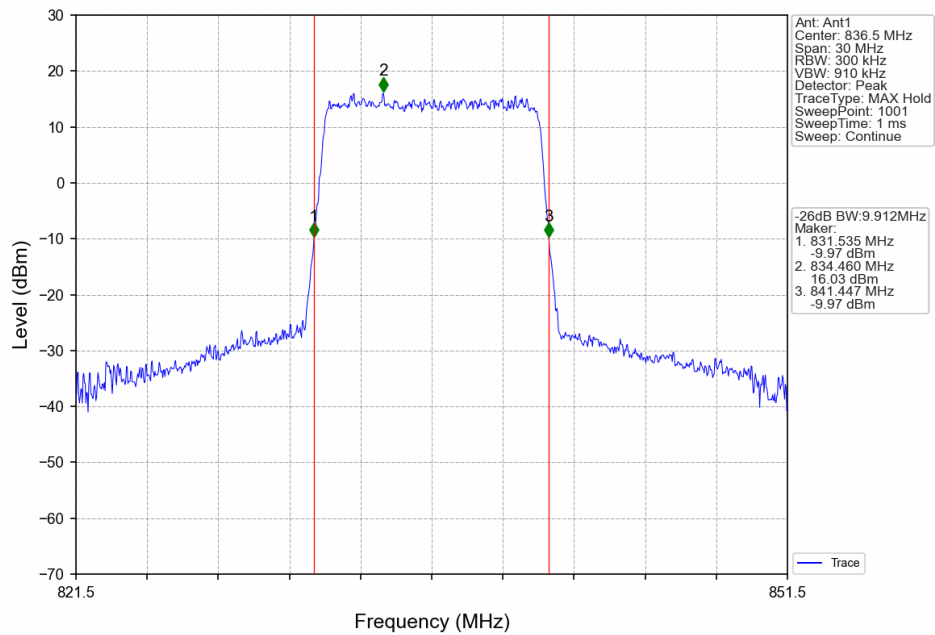
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



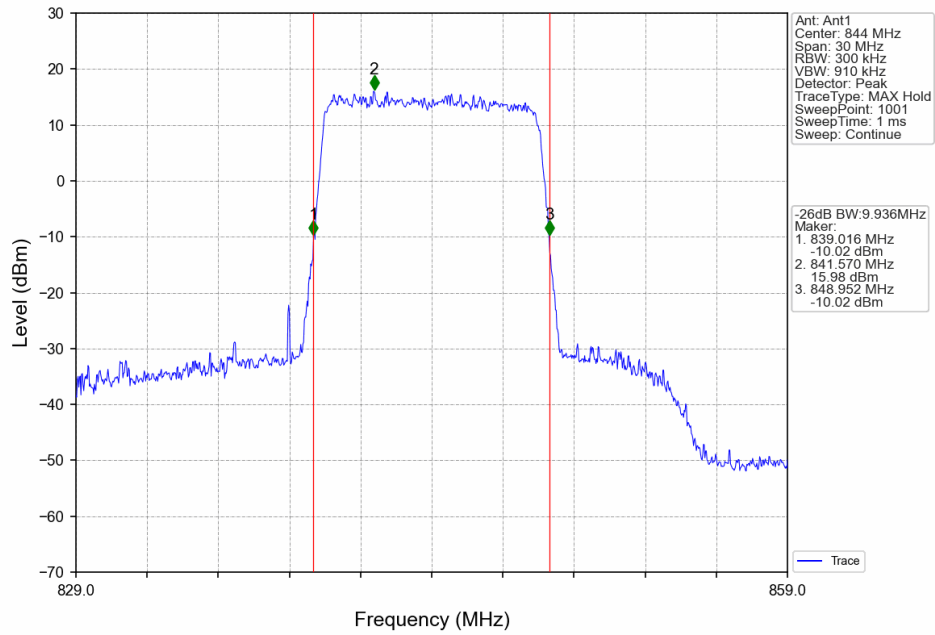
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



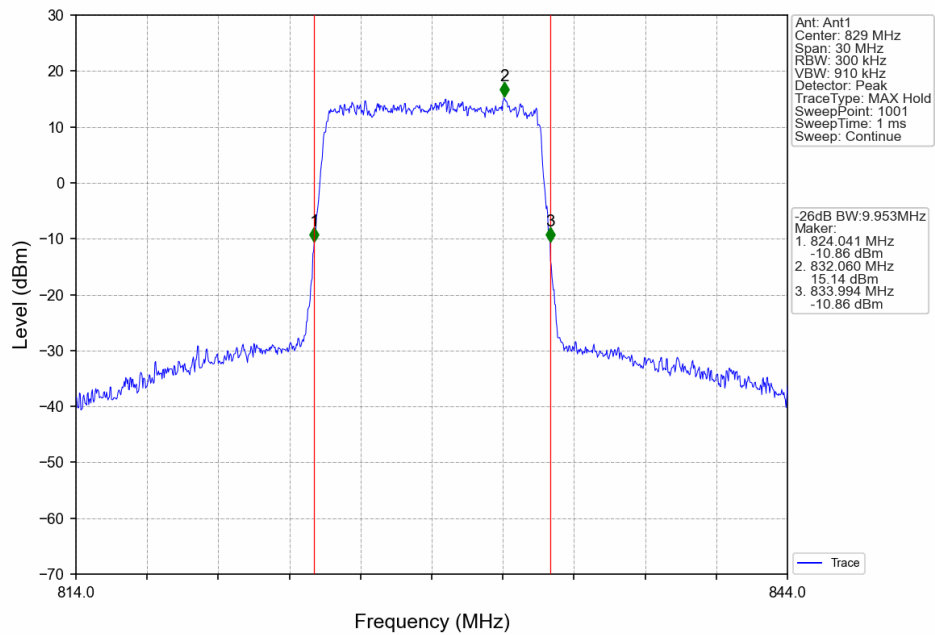
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



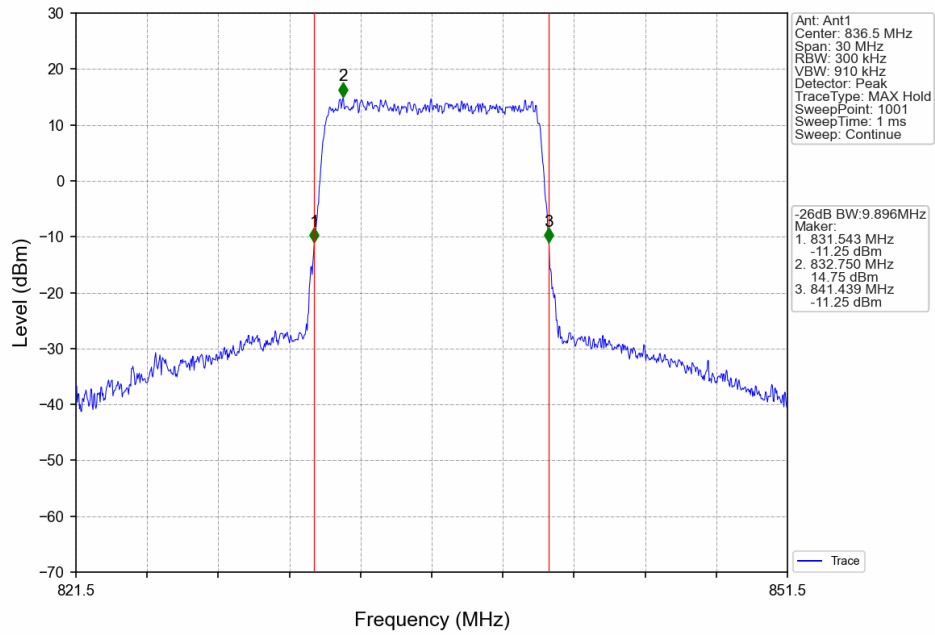
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



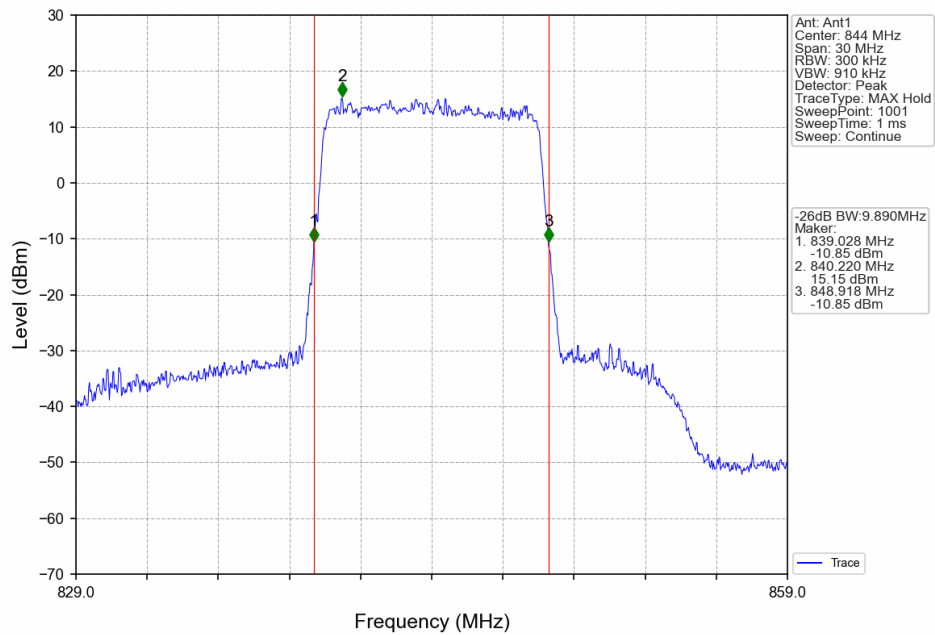
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



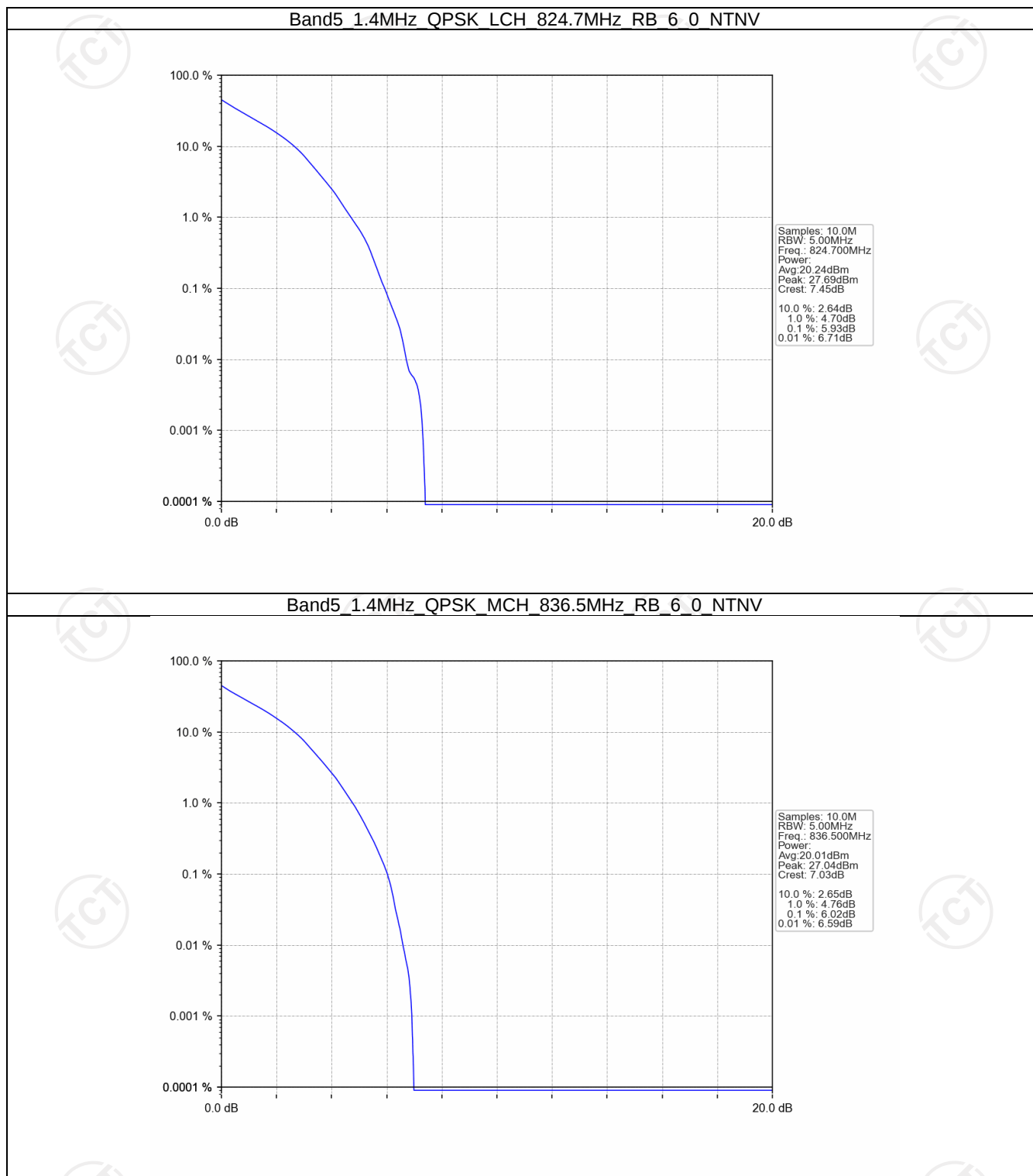
5. Peak-Average Ratio

5.1 B5_1.4MHz

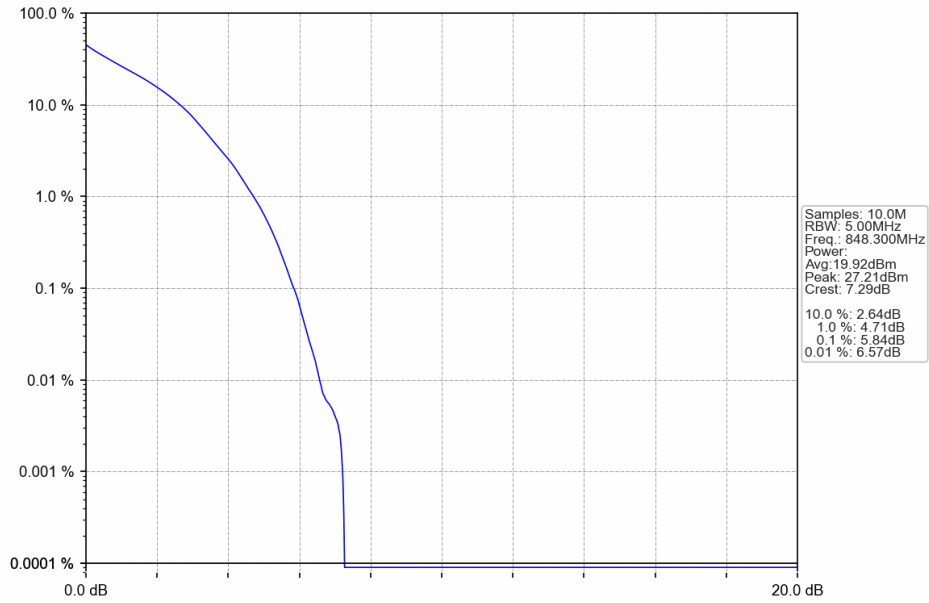
5.1.1 Test Result

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	5.93	<=13	Pass
	836.5	6	0	6.02	<=13	Pass
	848.3	6	0	5.84	<=13	Pass
16QAM	824.7	6	0	6.77	<=13	Pass
	836.5	6	0	6.72	<=13	Pass
	848.3	6	0	6.56	<=13	Pass

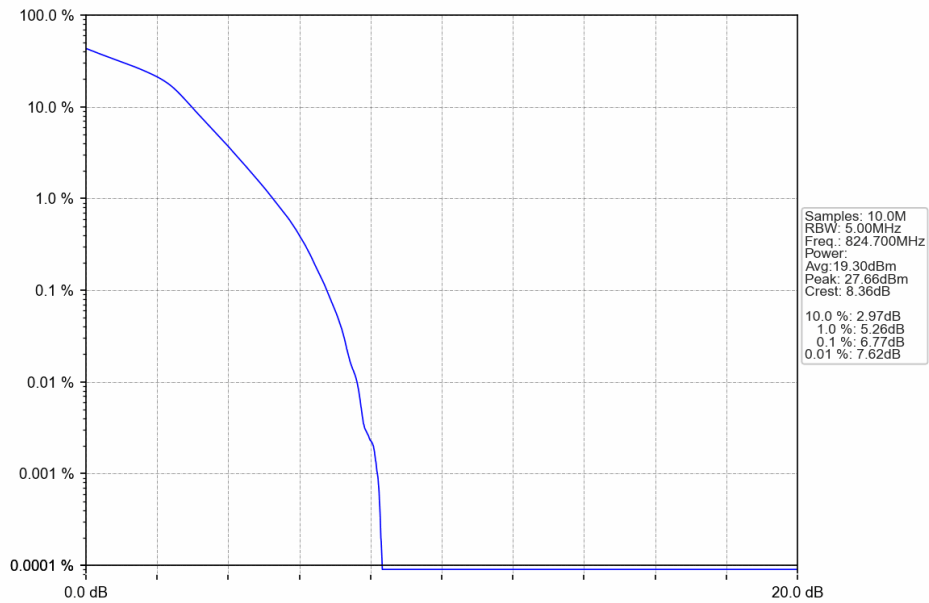
5.1.2 Test Graph



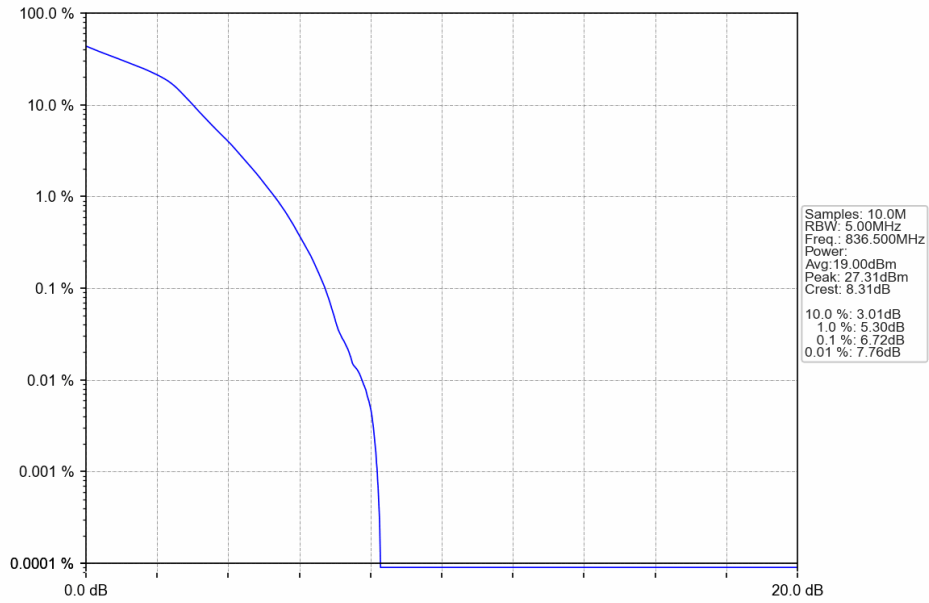
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



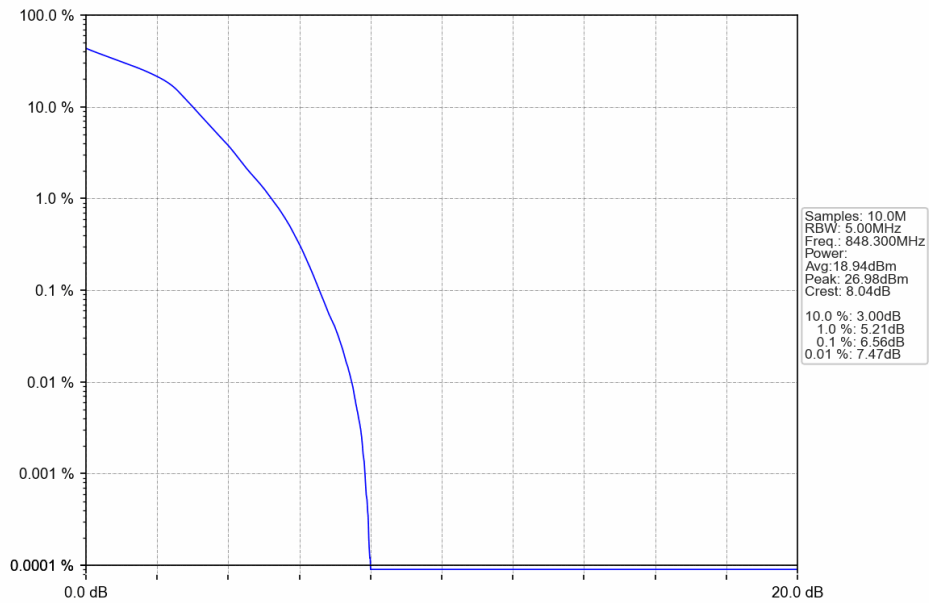
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

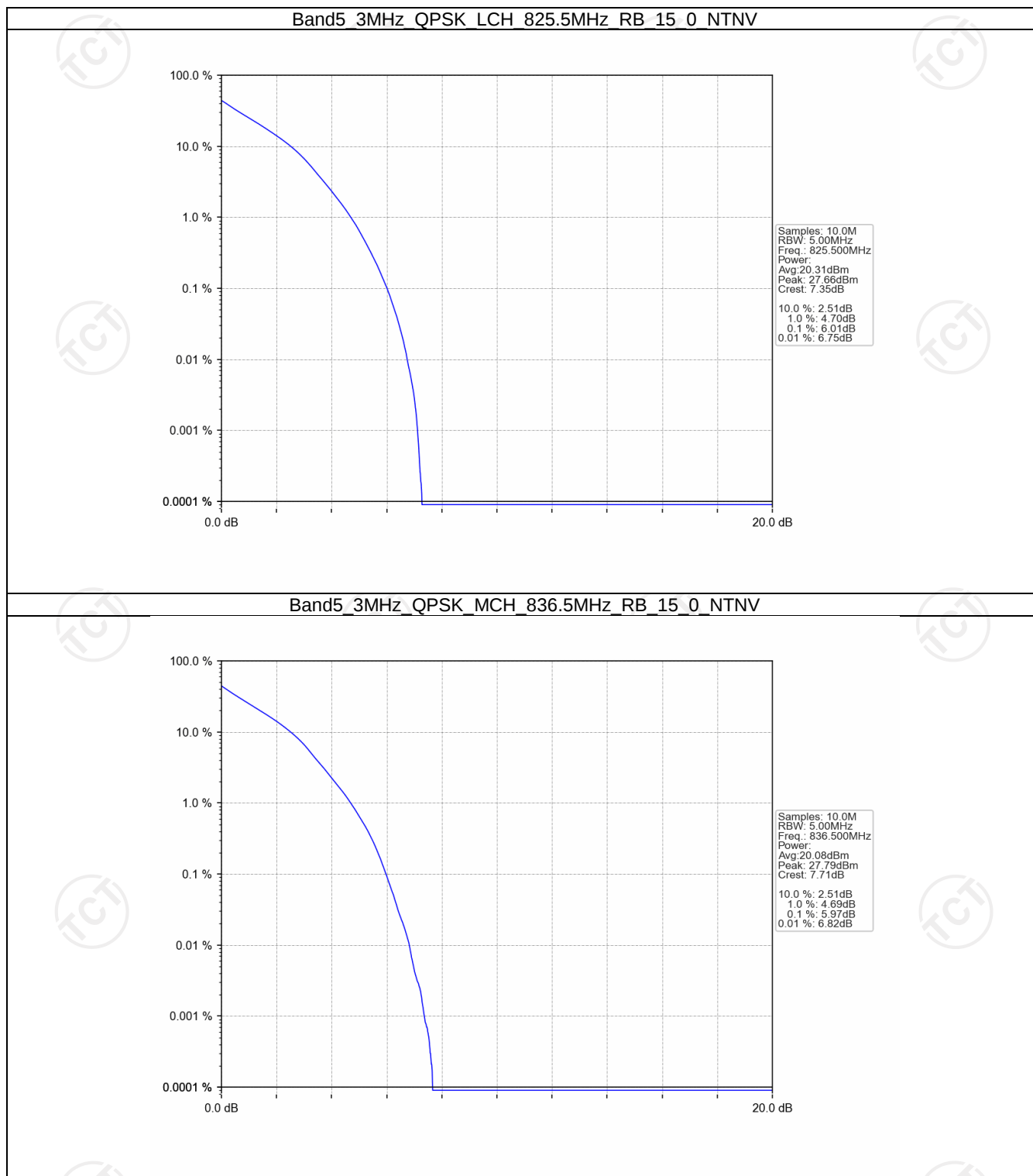


5.2 B5_3MHz

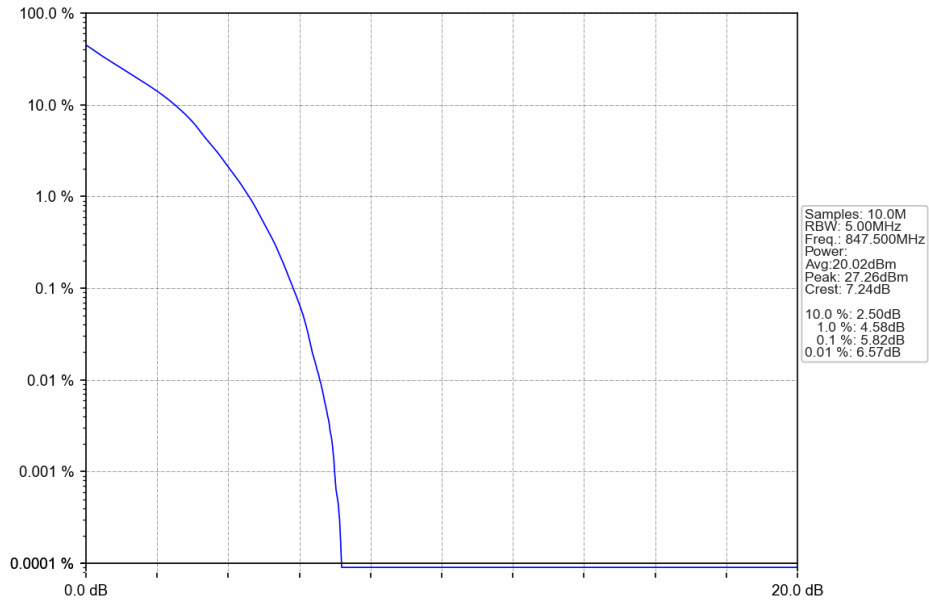
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	6.01	<=13	Pass
	836.5	15	0	5.97	<=13	Pass
	847.5	15	0	5.82	<=13	Pass
16QAM	825.5	15	0	6.79	<=13	Pass
	836.5	15	0	6.76	<=13	Pass
	847.5	15	0	6.60	<=13	Pass

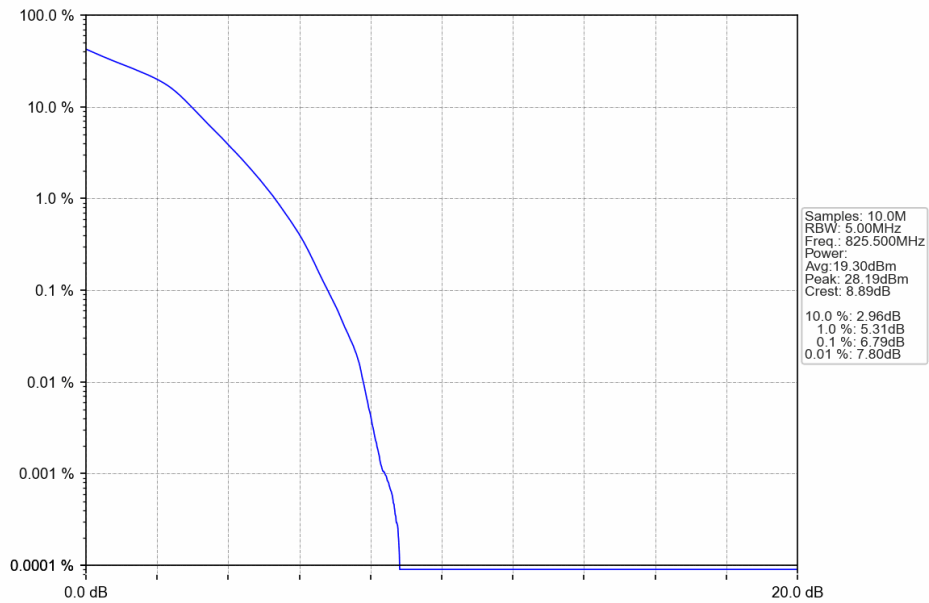
5.2.2 Test Graph



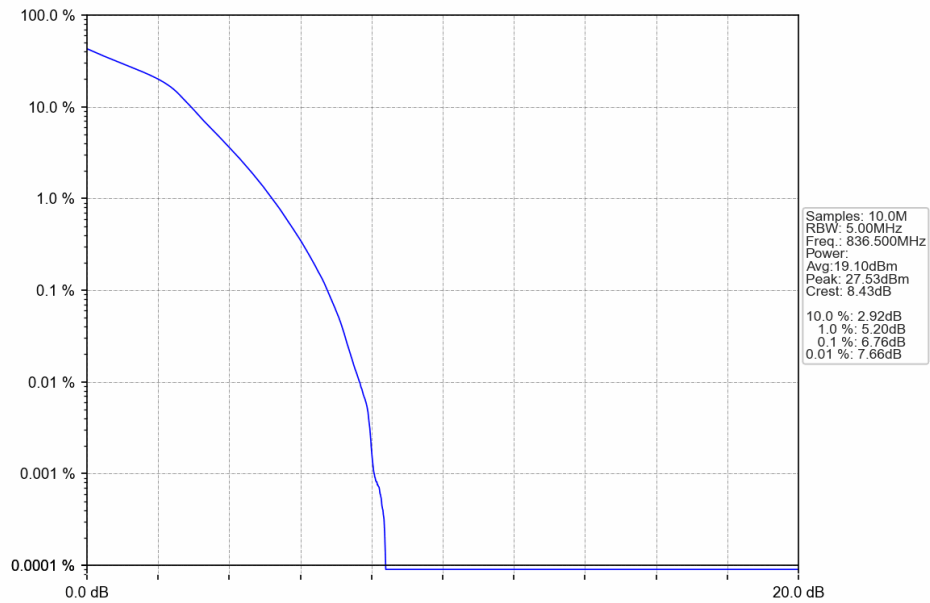
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



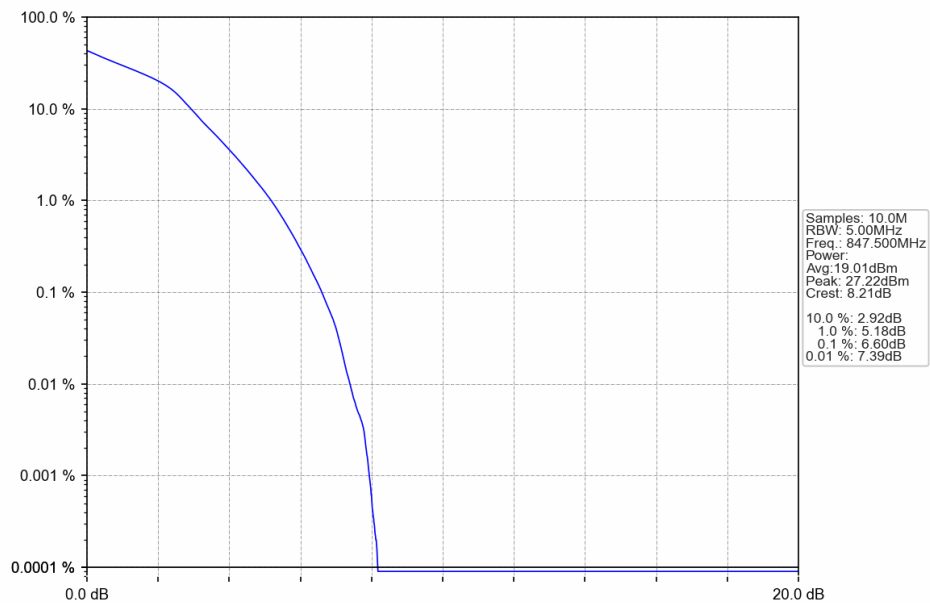
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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	6.08	<=13	Pass
	836.5	25	0	6.03	<=13	Pass
	846.5	25	0	5.76	<=13	Pass
16QAM	826.5	25	0	6.70	<=13	Pass
	836.5	25	0	6.69	<=13	Pass
	846.5	25	0	6.46	<=13	Pass

5.3.2 Test Graph

