

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	22.83	3.50	24.18	<=38.45	Pass
			2	22.84	3.50	24.19	<=38.45	Pass
			5	22.55	3.50	23.90	<=38.45	Pass
		3	0	22.65	3.50	24.00	<=38.45	Pass
			2	22.78	3.50	24.13	<=38.45	Pass
			3	22.83	3.50	24.18	<=38.45	Pass
		6	0	21.79	3.50	23.14	<=38.45	Pass
	836.5	1	0	22.53	3.50	23.88	<=38.45	Pass
			2	22.53	3.50	23.88	<=38.45	Pass
			5	22.54	3.50	23.89	<=38.45	Pass
		3	0	22.59	3.50	23.94	<=38.45	Pass
			2	22.75	3.50	24.10	<=38.45	Pass
			3	22.67	3.50	24.02	<=38.45	Pass
		6	0	21.76	3.50	23.11	<=38.45	Pass
	848.3	1	0	22.52	3.50	23.87	<=38.45	Pass
			2	22.51	3.50	23.86	<=38.45	Pass
			5	22.49	3.50	23.84	<=38.45	Pass
		3	0	22.86	3.50	24.21	<=38.45	Pass
			2	22.78	3.50	24.13	<=38.45	Pass
			3	22.66	3.50	24.01	<=38.45	Pass
		6	0	21.79	3.50	23.14	<=38.45	Pass
16QAM	824.7	1	0	22.49	3.50	23.84	<=38.45	Pass
			2	22.39	3.50	23.74	<=38.45	Pass
			5	22.38	3.50	23.73	<=38.45	Pass
		3	0	22.07	3.50	23.42	<=38.45	Pass
			2	21.63	3.50	22.98	<=38.45	Pass
			3	21.77	3.50	23.12	<=38.45	Pass
		6	0	20.84	3.50	22.19	<=38.45	Pass
	836.5	1	0	21.40	3.50	22.75	<=38.45	Pass
			2	21.54	3.50	22.89	<=38.45	Pass
			5	21.49	3.50	22.84	<=38.45	Pass
		3	0	21.72	3.50	23.07	<=38.45	Pass
			2	21.74	3.50	23.09	<=38.45	Pass
			3	21.75	3.50	23.10	<=38.45	Pass
		6	0	20.43	3.50	21.78	<=38.45	Pass
	848.3	1	0	22.36	3.50	23.71	<=38.45	Pass
			2	22.40	3.50	23.75	<=38.45	Pass
			5	22.36	3.50	23.71	<=38.45	Pass
		3	0	22.04	3.50	23.39	<=38.45	Pass
			2	21.76	3.50	23.11	<=38.45	Pass
			3	21.48	3.50	22.83	<=38.45	Pass
		6	0	20.79	3.50	22.14	<=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	22.64	3.50	23.99	<=38.45	Pass
			7	22.57	3.50	23.92	<=38.45	Pass
			14	22.72	3.50	24.07	<=38.45	Pass
		8	0	21.73	3.50	23.08	<=38.45	Pass
			4	21.63	3.50	22.98	<=38.45	Pass
			7	21.76	3.50	23.11	<=38.45	Pass
		15	0	21.75	3.50	23.10	<=38.45	Pass
	836.5	1	0	22.74	3.50	24.09	<=38.45	Pass
			7	22.81	3.50	24.16	<=38.45	Pass
			14	22.66	3.50	24.01	<=38.45	Pass
		8	0	21.78	3.50	23.13	<=38.45	Pass
			4	21.55	3.50	22.90	<=38.45	Pass
			7	21.56	3.50	22.91	<=38.45	Pass
		15	0	21.68	3.50	23.03	<=38.45	Pass
	847.5	1	0	22.79	3.50	24.14	<=38.45	Pass
			7	22.77	3.50	24.12	<=38.45	Pass
			14	22.37	3.50	23.72	<=38.45	Pass
		8	0	21.86	3.50	23.21	<=38.45	Pass
			4	21.75	3.50	23.10	<=38.45	Pass
			7	21.70	3.50	23.05	<=38.45	Pass
		15	0	21.82	3.50	23.17	<=38.45	Pass
16QAM	825.5	1	0	22.20	3.50	23.55	<=38.45	Pass
			7	22.30	3.50	23.65	<=38.45	Pass
			14	22.44	3.50	23.79	<=38.45	Pass
		8	0	20.69	3.50	22.04	<=38.45	Pass
			4	20.81	3.50	22.16	<=38.45	Pass
			7	20.99	3.50	22.34	<=38.45	Pass
		15	0	20.76	3.50	22.11	<=38.45	Pass
	836.5	1	0	21.82	3.50	23.17	<=38.45	Pass
			7	21.53	3.50	22.88	<=38.45	Pass
			14	21.62	3.50	22.97	<=38.45	Pass
		8	0	20.78	3.50	22.13	<=38.45	Pass
			4	20.41	3.50	21.76	<=38.45	Pass
			7	20.86	3.50	22.21	<=38.45	Pass
		15	0	20.73	3.50	22.08	<=38.45	Pass
	847.5	1	0	22.22	3.50	23.57	<=38.45	Pass
			7	22.39	3.50	23.74	<=38.45	Pass
			14	21.92	3.50	23.27	<=38.45	Pass
		8	0	21.19	3.50	22.54	<=38.45	Pass
			4	20.97	3.50	22.32	<=38.45	Pass
			7	20.66	3.50	22.01	<=38.45	Pass
		15	0	20.95	3.50	22.30	<=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	22.71	3.50	24.06	<=38.45	Pass		
			13	22.64	3.50	23.99	<=38.45	Pass		
			24	22.50	3.50	23.85	<=38.45	Pass		
		12	0	21.74	3.50	23.09	<=38.45	Pass		
			6	21.90	3.50	23.25	<=38.45	Pass		
			13	21.84	3.50	23.19	<=38.45	Pass		
		25	0	21.76	3.50	23.11	<=38.45	Pass		
		836.5	1	0	22.53	3.50	23.88	<=38.45	Pass	
				13	22.60	3.50	23.95	<=38.45	Pass	
	24			22.59	3.50	23.94	<=38.45	Pass		
	12		0	21.74	3.50	23.09	<=38.45	Pass		
			6	21.68	3.50	23.03	<=38.45	Pass		
			13	21.69	3.50	23.04	<=38.45	Pass		
	25		0	21.74	3.50	23.09	<=38.45	Pass		
	846.5		1	0	22.53	3.50	23.88	<=38.45	Pass	
				13	22.85	3.50	24.20	<=38.45	Pass	
		24		22.35	3.50	23.70	<=38.45	Pass		
		12	0	21.87	3.50	23.22	<=38.45	Pass		
			6	21.86	3.50	23.21	<=38.45	Pass		
			13	21.67	3.50	23.02	<=38.45	Pass		
		25	0	21.79	3.50	23.14	<=38.45	Pass		
		16QAM	826.5	1	0	22.47	3.50	23.82	<=38.45	Pass
					13	22.41	3.50	23.76	<=38.45	Pass
	24				22.31	3.50	23.66	<=38.45	Pass	
	12			0	20.56	3.50	21.91	<=38.45	Pass	
				6	20.74	3.50	22.09	<=38.45	Pass	
				13	20.74	3.50	22.09	<=38.45	Pass	
25	0			20.67	3.50	22.02	<=38.45	Pass		
836.5	1			0	21.59	3.50	22.94	<=38.45	Pass	
				13	21.65	3.50	23.00	<=38.45	Pass	
			24	21.63	3.50	22.98	<=38.45	Pass		
	12		0	20.71	3.50	22.06	<=38.45	Pass		
			6	20.47	3.50	21.82	<=38.45	Pass		
			13	20.60	3.50	21.95	<=38.45	Pass		
	25		0	20.79	3.50	22.14	<=38.45	Pass		
	846.5		1	0	22.28	3.50	23.63	<=38.45	Pass	
				13	22.51	3.50	23.86	<=38.45	Pass	
24				22.32	3.50	23.67	<=38.45	Pass		
12			0	20.54	3.50	21.89	<=38.45	Pass		
			6	20.62	3.50	21.97	<=38.45	Pass		
			13	20.59	3.50	21.94	<=38.45	Pass		
25			0	20.69	3.50	22.04	<=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	22.70	3.50	24.05	<=38.45	Pass
			25	22.95	3.50	24.30	<=38.45	Pass
			49	22.66	3.50	24.01	<=38.45	Pass
		25	0	21.80	3.50	23.15	<=38.45	Pass
			13	21.86	3.50	23.21	<=38.45	Pass
			25	21.81	3.50	23.16	<=38.45	Pass
		50	0	21.80	3.50	23.15	<=38.45	Pass
			0	22.85	3.50	24.20	<=38.45	Pass
			25	22.90	3.50	24.25	<=38.45	Pass
	836.5	1	49	22.73	3.50	24.08	<=38.45	Pass
			0	21.88	3.50	23.23	<=38.45	Pass
			13	21.74	3.50	23.09	<=38.45	Pass
		25	25	21.70	3.50	23.05	<=38.45	Pass
			0	21.81	3.50	23.16	<=38.45	Pass
			0	22.63	3.50	23.98	<=38.45	Pass
		1	25	23.25	3.50	24.60	<=38.45	Pass
			49	22.82	3.50	24.17	<=38.45	Pass
			0	21.74	3.50	23.09	<=38.45	Pass
	844	25	13	21.96	3.50	23.31	<=38.45	Pass
			25	21.85	3.50	23.20	<=38.45	Pass
			0	21.83	3.50	23.18	<=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	10.2	-1.845	-0.0022	-2.5 to 2.5	Pass
					12	-1.416	-0.0017	-2.5 to 2.5	Pass
					13.8	-1.402	-0.0017	-2.5 to 2.5	Pass
				-30	12	-1.445	-0.0018	-2.5 to 2.5	Pass
				-20	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	12	-1.373	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				10	12	-1.416	-0.0017	-2.5 to 2.5	Pass
				30	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				40	12	-1.745	-0.0021	-2.5 to 2.5	Pass
				50	12	-1.173	-0.0014	-2.5 to 2.5	Pass
	836.5	6	0	20	10.2	-0.014	0.0000	-2.5 to 2.5	Pass
					12	-0.329	-0.0004	-2.5 to 2.5	Pass
					13.8	-0.458	-0.0005	-2.5 to 2.5	Pass
				-30	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	12	0.629	0.0008	-2.5 to 2.5	Pass
				10	12	0.186	0.0002	-2.5 to 2.5	Pass
				30	12	-0.787	-0.0009	-2.5 to 2.5	Pass
				40	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				50	12	-0.644	-0.0008	-2.5 to 2.5	Pass
	848.3	6	0	20	10.2	0.558	0.0007	-2.5 to 2.5	Pass
					12	0.358	0.0004	-2.5 to 2.5	Pass
					13.8	0.043	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.401	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.329	0.0004	-2.5 to 2.5	Pass
				-10	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				0	12	0.300	0.0004	-2.5 to 2.5	Pass
				10	12	0.029	0.0000	-2.5 to 2.5	Pass
				30	12	0.000	0.0000	-2.5 to 2.5	Pass
				40	12	0.200	0.0002	-2.5 to 2.5	Pass
				50	12	-0.086	-0.0001	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	10.2	-1.588	-0.0019	-2.5 to 2.5	Pass
					12	-2.317	-0.0028	-2.5 to 2.5	Pass
					13.8	-1.802	-0.0022	-2.5 to 2.5	Pass
				-30	12	-2.060	-0.0025	-2.5 to 2.5	Pass
				-20	12	-2.460	-0.0030	-2.5 to 2.5	Pass
				-10	12	-2.918	-0.0035	-2.5 to 2.5	Pass
				0	12	-1.502	-0.0018	-2.5 to 2.5	Pass
				10	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				30	12	-1.903	-0.0023	-2.5 to 2.5	Pass
				40	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				50	12	-2.017	-0.0024	-2.5 to 2.5	Pass
	836.5	6	0	20	10.2	0.300	0.0004	-2.5 to 2.5	Pass
					12	-0.515	-0.0006	-2.5 to 2.5	Pass
					13.8	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				-10	12	-0.315	-0.0004	-2.5 to 2.5	Pass

				0	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	12	0.429	0.0005	-2.5 to 2.5	Pass
				40	12	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	12	-0.901	-0.0011	-2.5 to 2.5	Pass
	848.3	6	0	20	10.2	-0.887	-0.0010	-2.5 to 2.5	Pass
					12	-0.758	-0.0009	-2.5 to 2.5	Pass
					13.8	-0.186	-0.0002	-2.5 to 2.5	Pass
				-30	12	-1.016	-0.0012	-2.5 to 2.5	Pass
				-20	12	-1.016	-0.0012	-2.5 to 2.5	Pass
				-10	12	-1.845	-0.0022	-2.5 to 2.5	Pass
				0	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				10	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				30	12	-0.601	-0.0007	-2.5 to 2.5	Pass
				40	12	-0.358	-0.0004	-2.5 to 2.5	Pass
				50	12	-0.844	-0.0010	-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	10.2	-0.186	-0.0002	-2.5 to 2.5	Pass
					12	-0.186	-0.0002	-2.5 to 2.5	Pass
					13.8	0.072	0.0001	-2.5 to 2.5	Pass
				-30	12	0.143	0.0002	-2.5 to 2.5	Pass
				-20	12	0.443	0.0005	-2.5 to 2.5	Pass
				-10	12	0.057	0.0001	-2.5 to 2.5	Pass
				0	12	-0.629	-0.0008	-2.5 to 2.5	Pass
				10	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				30	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.372	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.629	-0.0008	-2.5 to 2.5	Pass
	836.5	15	0	20	10.2	0.472	0.0006	-2.5 to 2.5	Pass
					12	-0.916	-0.0011	-2.5 to 2.5	Pass
					13.8	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.286	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.601	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.887	-0.0011	-2.5 to 2.5	Pass
				30	12	-0.186	-0.0002	-2.5 to 2.5	Pass
				40	12	0.229	0.0003	-2.5 to 2.5	Pass
				50	12	0.000	0.0000	-2.5 to 2.5	Pass
	847.5	15	0	20	10.2	-1.287	-0.0015	-2.5 to 2.5	Pass
					12	-1.159	-0.0014	-2.5 to 2.5	Pass
					13.8	-1.101	-0.0013	-2.5 to 2.5	Pass
				-30	12	-1.745	-0.0021	-2.5 to 2.5	Pass
				-20	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	12	-1.717	-0.0020	-2.5 to 2.5	Pass
				0	12	-1.245	-0.0015	-2.5 to 2.5	Pass
				10	12	-1.945	-0.0023	-2.5 to 2.5	Pass
				30	12	-0.730	-0.0009	-2.5 to 2.5	Pass
				40	12	-1.488	-0.0018	-2.5 to 2.5	Pass
				50	12	-1.130	-0.0013	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	10.2	-0.157	-0.0002	-2.5 to 2.5	Pass
					12	-0.300	-0.0004	-2.5 to 2.5	Pass
					13.8	-0.587	-0.0007	-2.5 to 2.5	Pass

				-30	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				-20	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	12	0.229	0.0003	-2.5 to 2.5	Pass
				10	12	-1.774	-0.0021	-2.5 to 2.5	Pass
				30	12	-0.701	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.401	-0.0005	-2.5 to 2.5	Pass
	836.5	15	0	20	10.2	-1.488	-0.0018	-2.5 to 2.5	Pass
					12	-0.658	-0.0008	-2.5 to 2.5	Pass
					13.8	-0.987	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.302	-0.0016	-2.5 to 2.5	Pass
				-20	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				10	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	12	0.086	0.0001	-2.5 to 2.5	Pass
				40	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	12	-1.087	-0.0013	-2.5 to 2.5	Pass
	847.5	15	0	20	10.2	-2.389	-0.0028	-2.5 to 2.5	Pass
					12	-2.646	-0.0031	-2.5 to 2.5	Pass
					13.8	-1.574	-0.0019	-2.5 to 2.5	Pass
				-30	12	-1.702	-0.0020	-2.5 to 2.5	Pass
				-20	12	-1.845	-0.0022	-2.5 to 2.5	Pass
				-10	12	-1.731	-0.0020	-2.5 to 2.5	Pass
				0	12	-1.073	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.518	-0.0030	-2.5 to 2.5	Pass
				30	12	-2.246	-0.0027	-2.5 to 2.5	Pass
				40	12	-2.232	-0.0026	-2.5 to 2.5	Pass
				50	12	-2.089	-0.0025	-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	10.2	-1.674	-0.0020	-2.5 to 2.5	Pass
					12	-1.917	-0.0023	-2.5 to 2.5	Pass
					13.8	-1.030	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				-20	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				-10	12	-1.259	-0.0015	-2.5 to 2.5	Pass
				0	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				10	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				40	12	-1.473	-0.0018	-2.5 to 2.5	Pass
				50	12	-0.801	-0.0010	-2.5 to 2.5	Pass
	836.5	25	0	20	10.2	0.014	0.0000	-2.5 to 2.5	Pass
					12	-1.087	-0.0013	-2.5 to 2.5	Pass
					13.8	-1.101	-0.0013	-2.5 to 2.5	Pass
				-30	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.944	-0.0011	-2.5 to 2.5	Pass
				10	12	0.200	0.0002	-2.5 to 2.5	Pass
				30	12	-0.973	-0.0012	-2.5 to 2.5	Pass
				40	12	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	12	-0.658	-0.0008	-2.5 to 2.5	Pass

	846.5	25	0	20	10.2	0.086	0.0001	-2.5 to 2.5	Pass
					12	0.300	0.0004	-2.5 to 2.5	Pass
					13.8	0.257	0.0003	-2.5 to 2.5	Pass
				-30	12	1.116	0.0013	-2.5 to 2.5	Pass
				-20	12	0.086	0.0001	-2.5 to 2.5	Pass
				-10	12	-0.958	-0.0011	-2.5 to 2.5	Pass
				0	12	1.001	0.0012	-2.5 to 2.5	Pass
				10	12	0.172	0.0002	-2.5 to 2.5	Pass
				30	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	12	0.072	0.0001	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	10.2	-0.944	-0.0011	-2.5 to 2.5	Pass
					12	-1.674	-0.0020	-2.5 to 2.5	Pass
					13.8	-1.745	-0.0021	-2.5 to 2.5	Pass
				-30	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				-20	12	-0.958	-0.0012	-2.5 to 2.5	Pass
				-10	12	-1.945	-0.0024	-2.5 to 2.5	Pass
				0	12	-1.531	-0.0019	-2.5 to 2.5	Pass
				10	12	-2.031	-0.0025	-2.5 to 2.5	Pass
				30	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				50	12	-0.672	-0.0008	-2.5 to 2.5	Pass
	836.5	25	0	20	10.2	-0.687	-0.0008	-2.5 to 2.5	Pass
					12	-0.186	-0.0002	-2.5 to 2.5	Pass
					13.8	-0.973	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.044	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.401	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	12	-1.044	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	12	0.029	0.0000	-2.5 to 2.5	Pass
				40	12	-0.257	-0.0003	-2.5 to 2.5	Pass
				50	12	-0.644	-0.0008	-2.5 to 2.5	Pass
	846.5	25	0	20	10.2	-0.200	-0.0002	-2.5 to 2.5	Pass
					12	0.200	0.0002	-2.5 to 2.5	Pass
					13.8	0.401	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.486	-0.0006	-2.5 to 2.5	Pass
				-20	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	12	0.358	0.0004	-2.5 to 2.5	Pass
				10	12	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				40	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				50	12	-1.016	-0.0012	-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	10.2	-1.259	-0.0015	-2.5 to 2.5	Pass
					12	-0.701	-0.0008	-2.5 to 2.5	Pass
					13.8	-0.200	-0.0002	-2.5 to 2.5	Pass
				-30	12	-0.758	-0.0009	-2.5 to 2.5	Pass
				-20	12	-1.073	-0.0013	-2.5 to 2.5	Pass
				-10	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				0	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				10	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				30	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				40	12	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	12	-0.858	-0.0010	-2.5 to 2.5	Pass
	836.5	50	0	20	10.2	-0.572	-0.0007	-2.5 to 2.5	Pass
					12	-0.401	-0.0005	-2.5 to 2.5	Pass
					13.8	-1.044	-0.0012	-2.5 to 2.5	Pass
				-30	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				-20	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				-10	12	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.887	-0.0011	-2.5 to 2.5	Pass
				40	12	-0.930	-0.0011	-2.5 to 2.5	Pass
				50	12	-0.744	-0.0009	-2.5 to 2.5	Pass
	844	50	0	20	10.2	-0.644	-0.0008	-2.5 to 2.5	Pass
					12	-0.701	-0.0008	-2.5 to 2.5	Pass
					13.8	-0.272	-0.0003	-2.5 to 2.5	Pass
				-30	12	-0.701	-0.0008	-2.5 to 2.5	Pass
				-20	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				-10	12	-1.459	-0.0017	-2.5 to 2.5	Pass
				0	12	-0.916	-0.0011	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.973	-0.0012	-2.5 to 2.5	Pass
				40	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0005	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

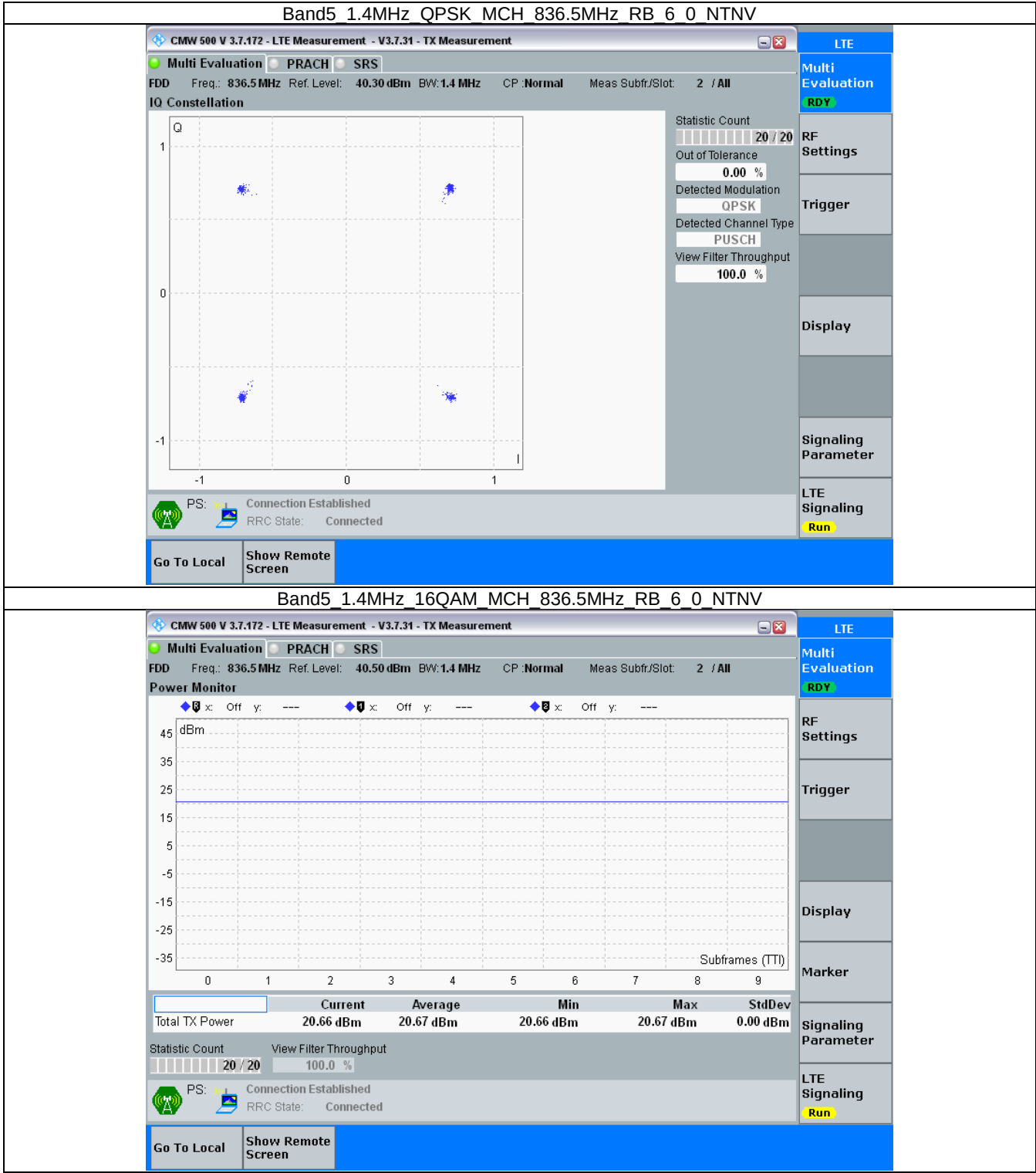
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

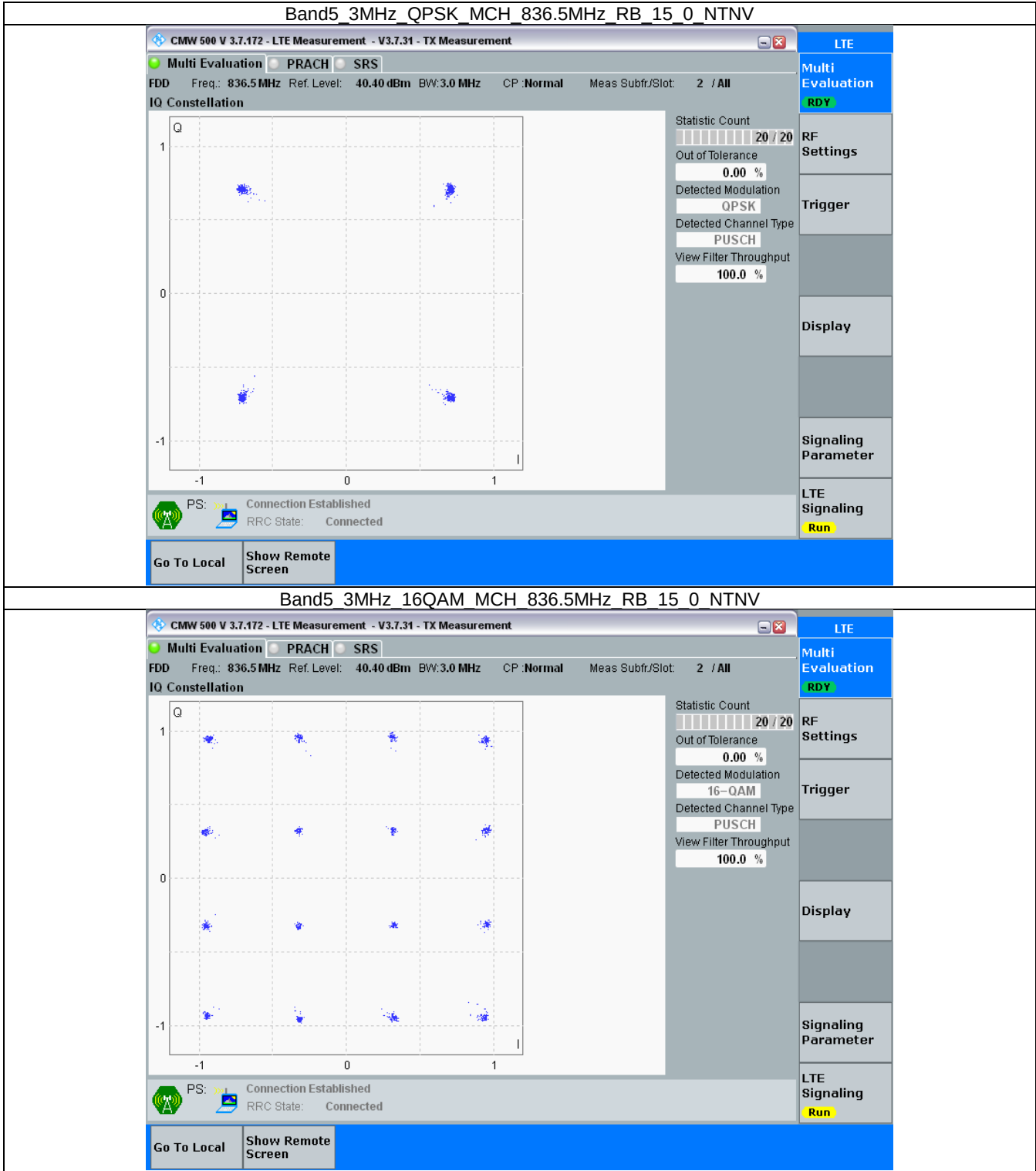
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

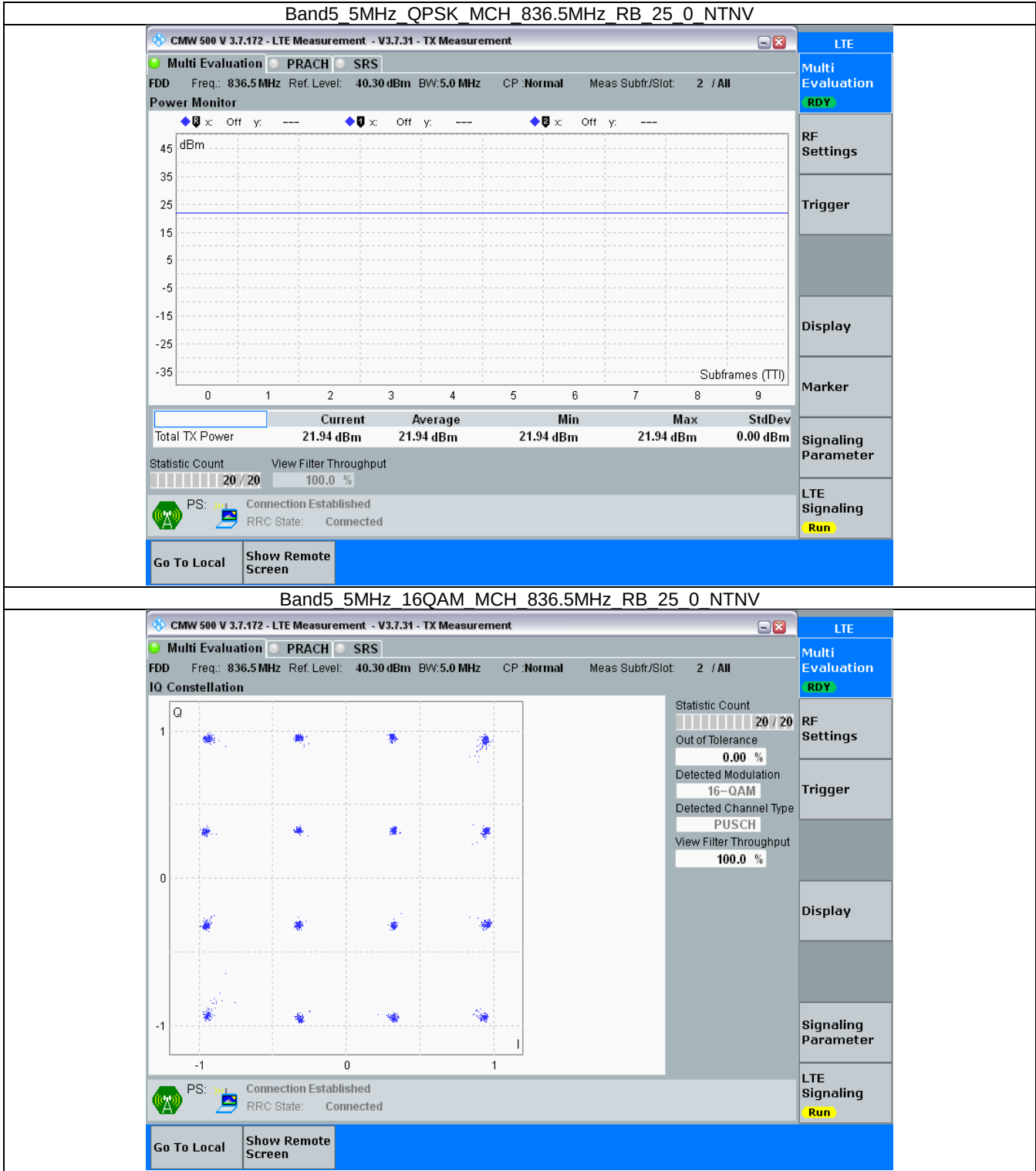
3.2.1 B5_1.4MHz



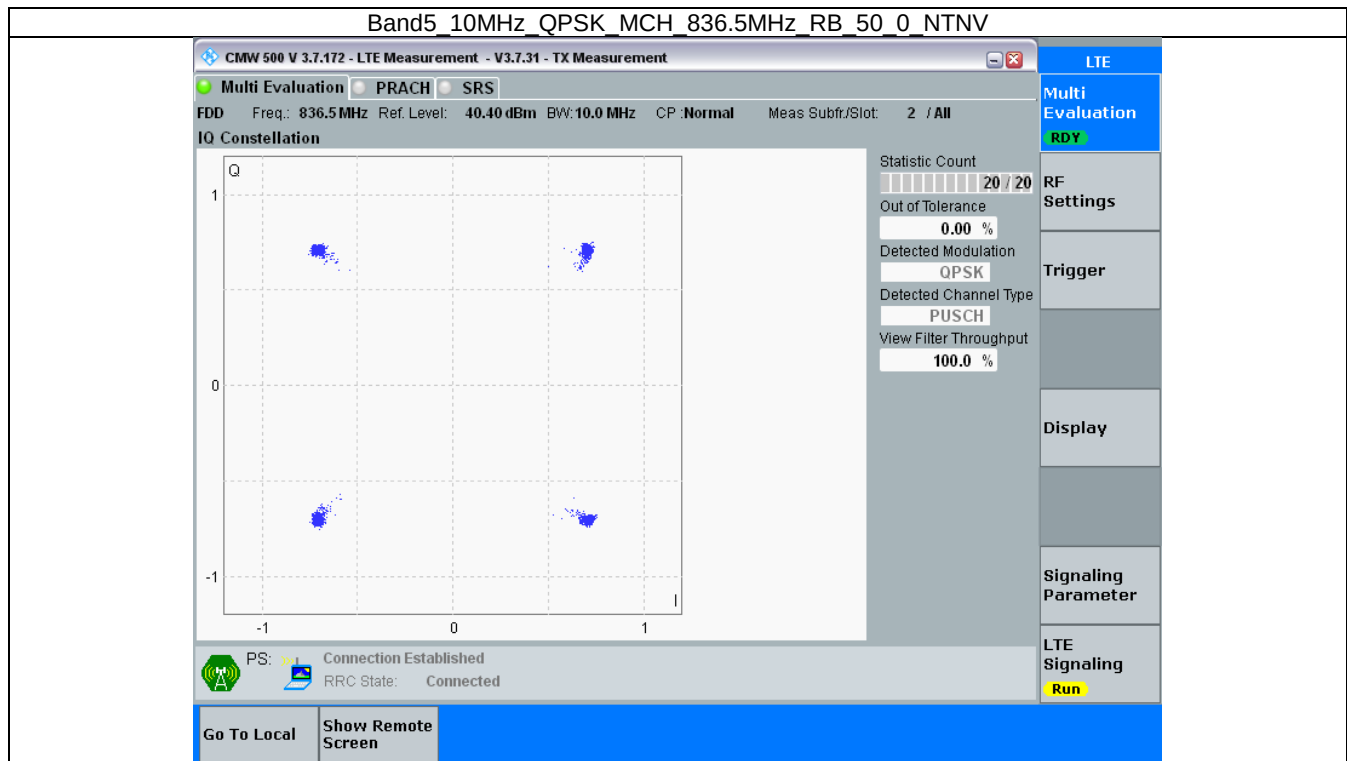
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

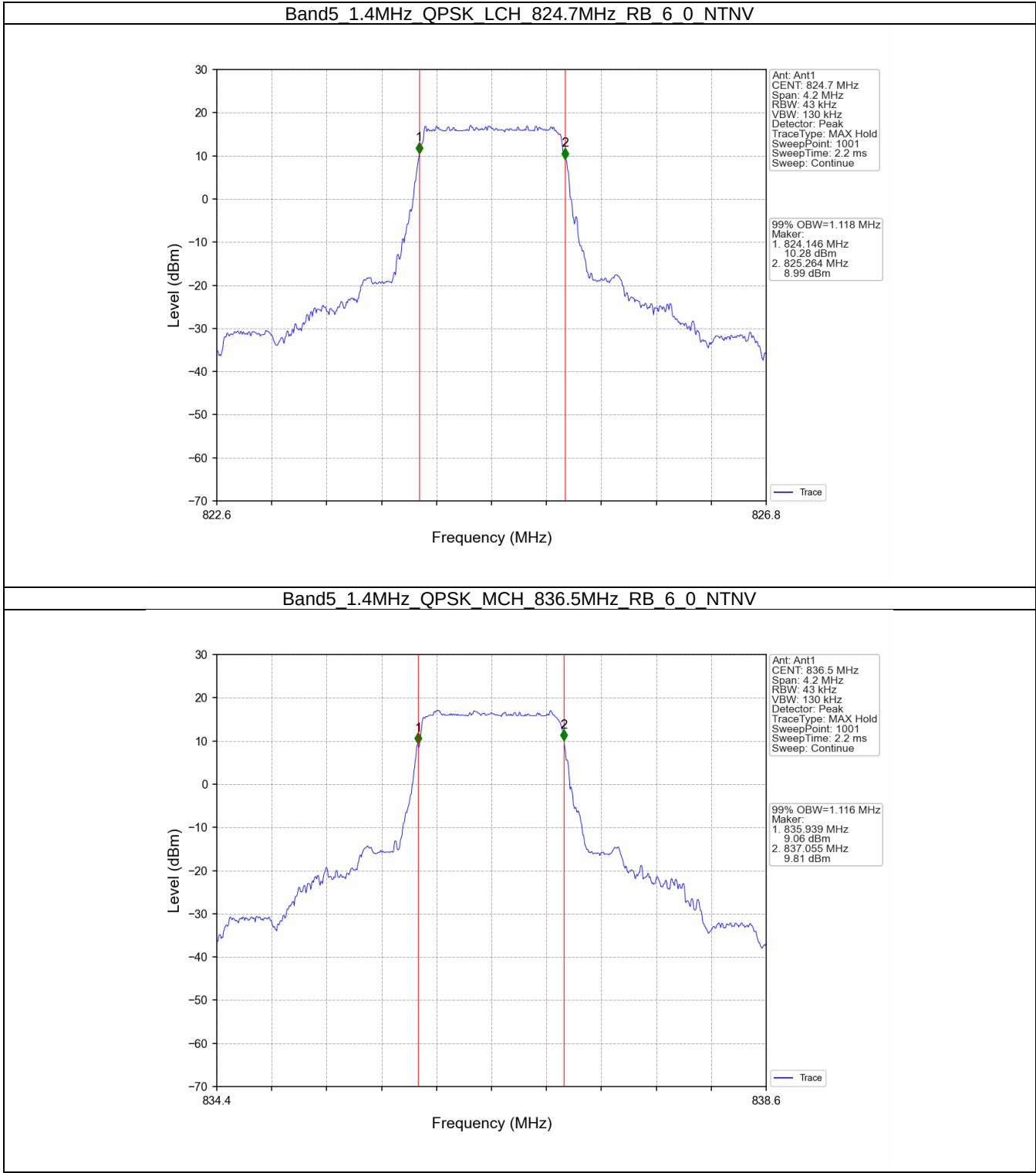
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.118	/	Pass
		836.5	6	0	1.116	/	Pass
		848.3	6	0	1.122	/	Pass
	16QAM	824.7	6	0	1.108	/	Pass
		836.5	6	0	1.111	/	Pass
		848.3	6	0	1.115	/	Pass
3	QPSK	825.5	15	0	2.733	/	Pass
		836.5	15	0	2.744	/	Pass
		847.5	15	0	2.749	/	Pass
	16QAM	825.5	15	0	2.742	/	Pass
		836.5	15	0	2.765	/	Pass
		847.5	15	0	2.737	/	Pass
5	QPSK	826.5	25	0	4.558	/	Pass
		836.5	25	0	4.553	/	Pass
		846.5	25	0	4.538	/	Pass
	16QAM	826.5	25	0	4.572	/	Pass
		836.5	25	0	4.561	/	Pass
		846.5	25	0	4.541	/	Pass
10	QPSK	829	50	0	9.031	/	Pass
		836.5	50	0	9.025	/	Pass
		844	50	0	8.976	/	Pass

4.1.2 Band5_XDB

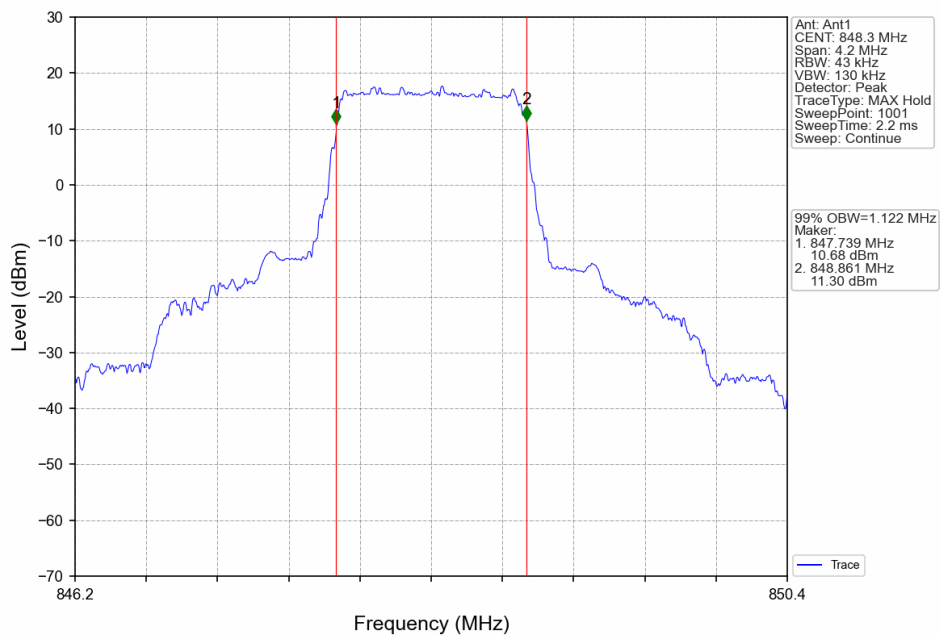
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.328	/	Pass
		836.5	6	0	1.355	/	Pass
		848.3	6	0	1.327	/	Pass
	16QAM	824.7	6	0	1.299	/	Pass
		836.5	6	0	1.330	/	Pass
		848.3	6	0	1.330	/	Pass
3	QPSK	825.5	15	0	3.053	/	Pass
		836.5	15	0	3.049	/	Pass
		847.5	15	0	3.071	/	Pass
	16QAM	825.5	15	0	3.052	/	Pass
		836.5	15	0	3.066	/	Pass
		847.5	15	0	3.080	/	Pass
5	QPSK	826.5	25	0	5.100	/	Pass
		836.5	25	0	5.100	/	Pass
		846.5	25	0	5.080	/	Pass
	16QAM	826.5	25	0	5.110	/	Pass
		836.5	25	0	5.082	/	Pass
		846.5	25	0	5.102	/	Pass
10	QPSK	829	50	0	10.048	/	Pass
		836.5	50	0	9.954	/	Pass
		844	50	0	9.954	/	Pass

4.2 Test Graph

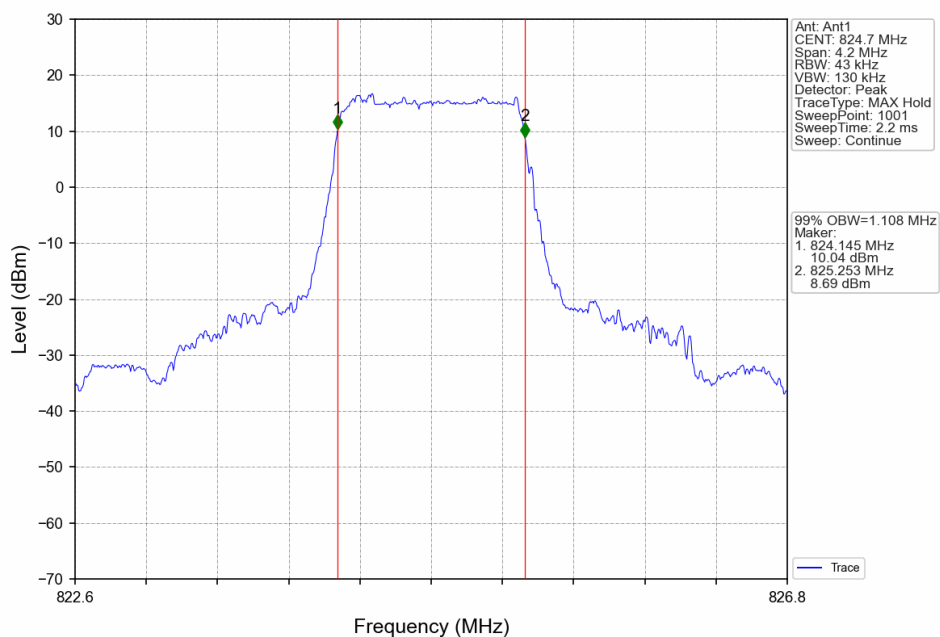
4.2.1 Band5_OBW



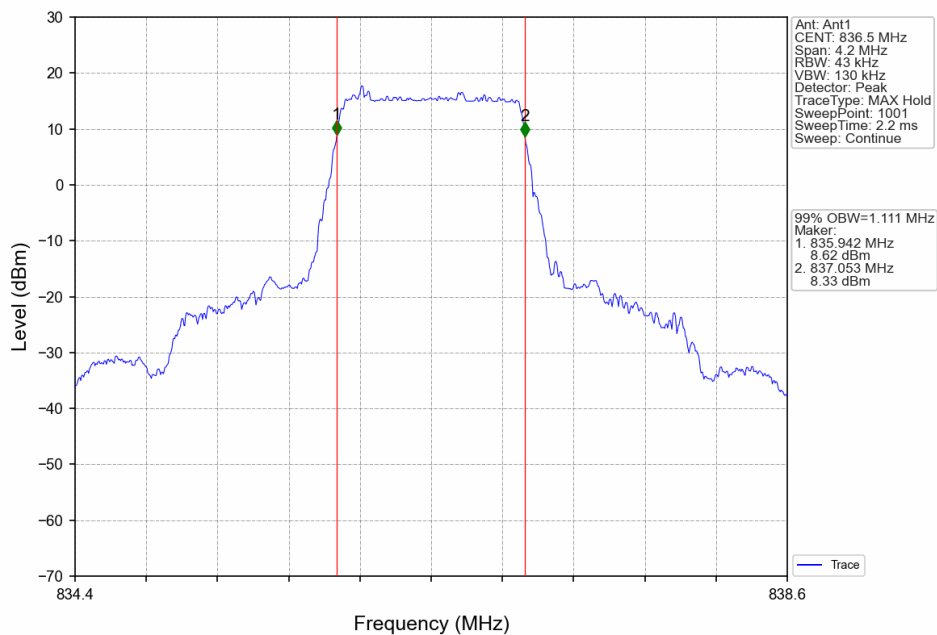
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



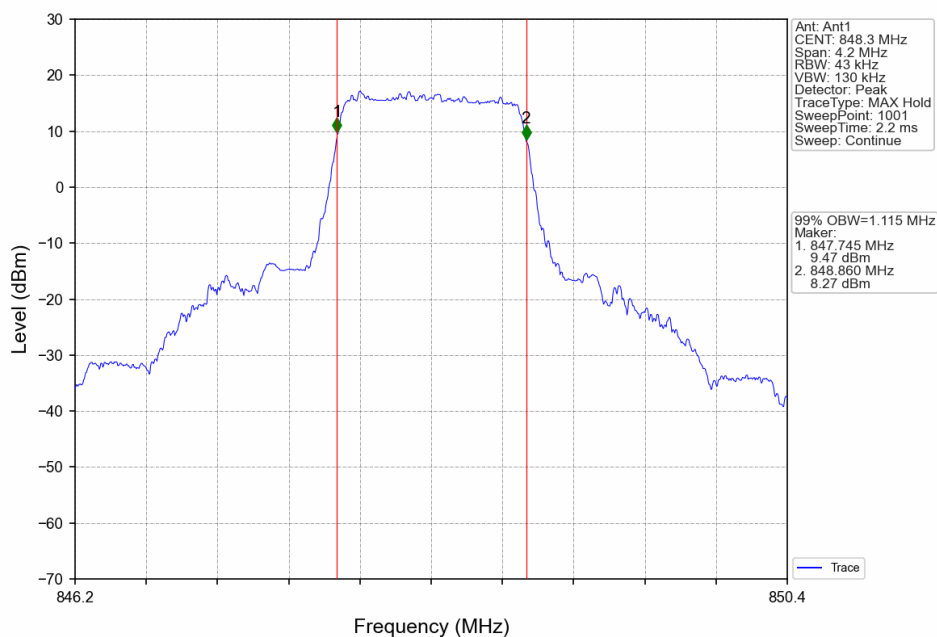
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



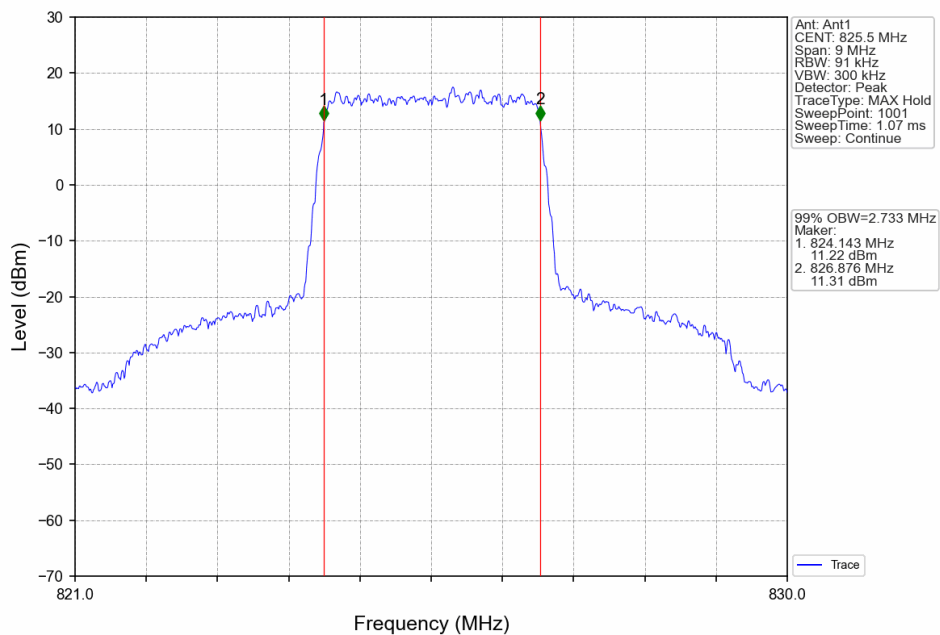
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



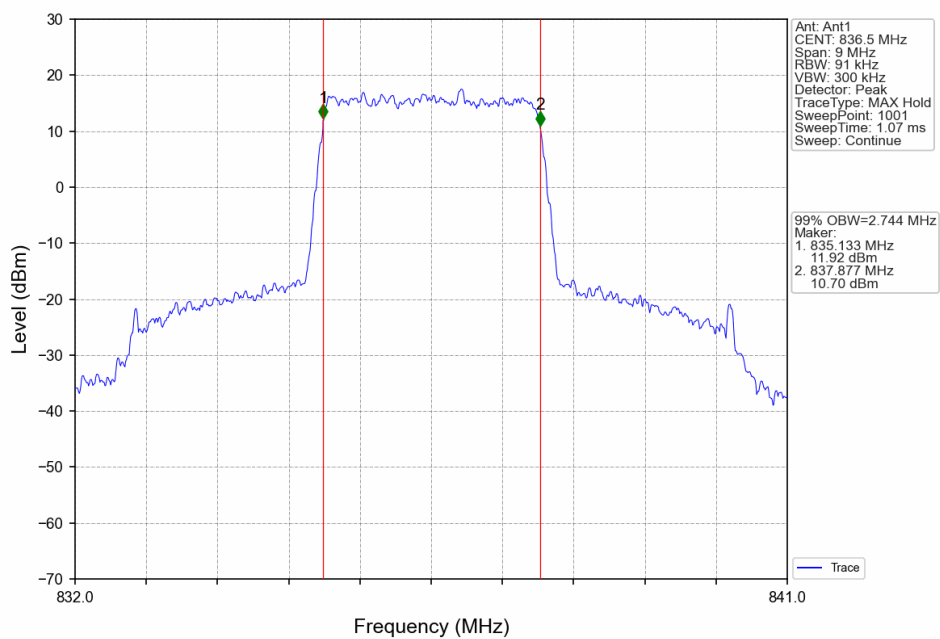
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



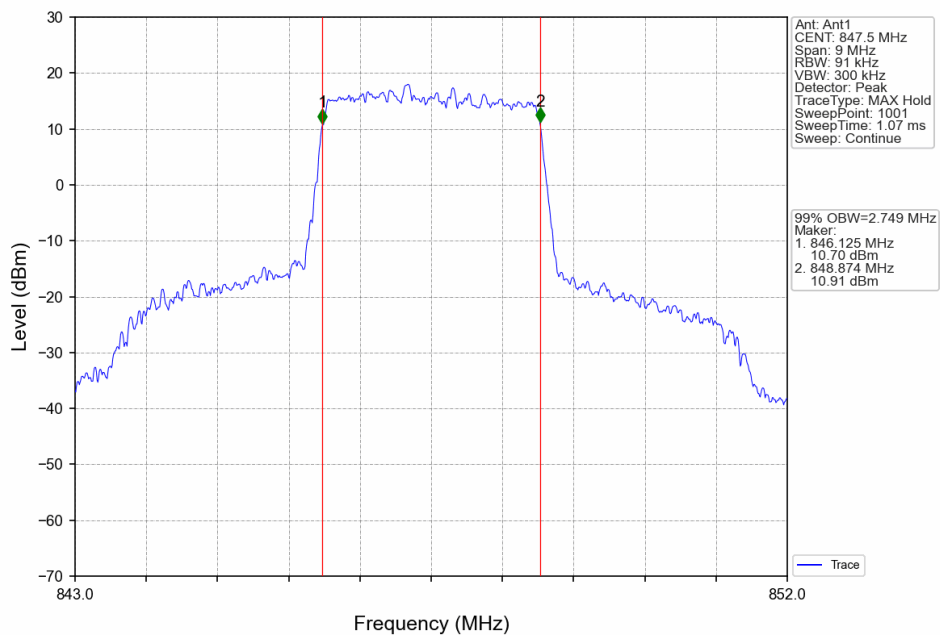
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



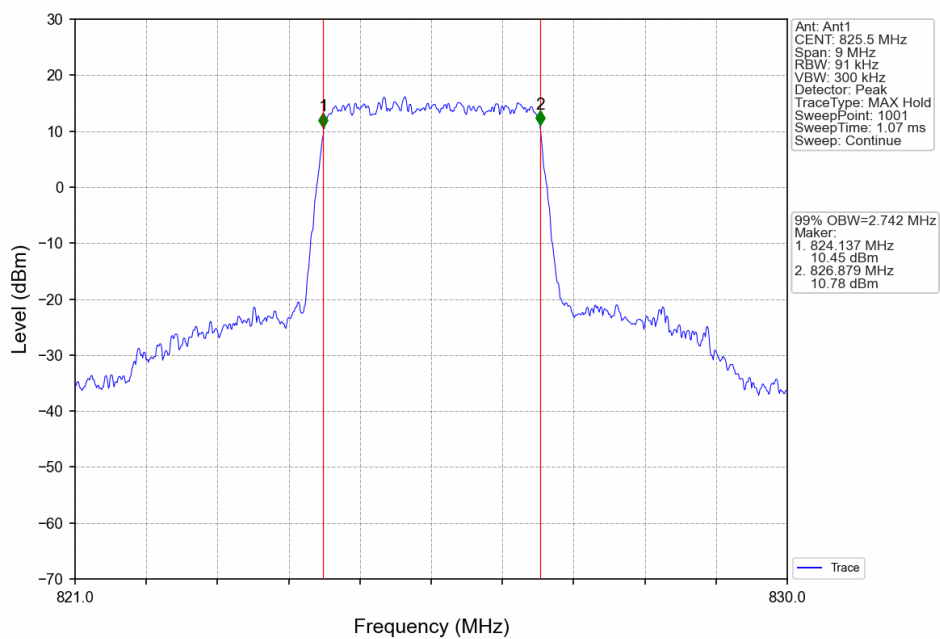
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



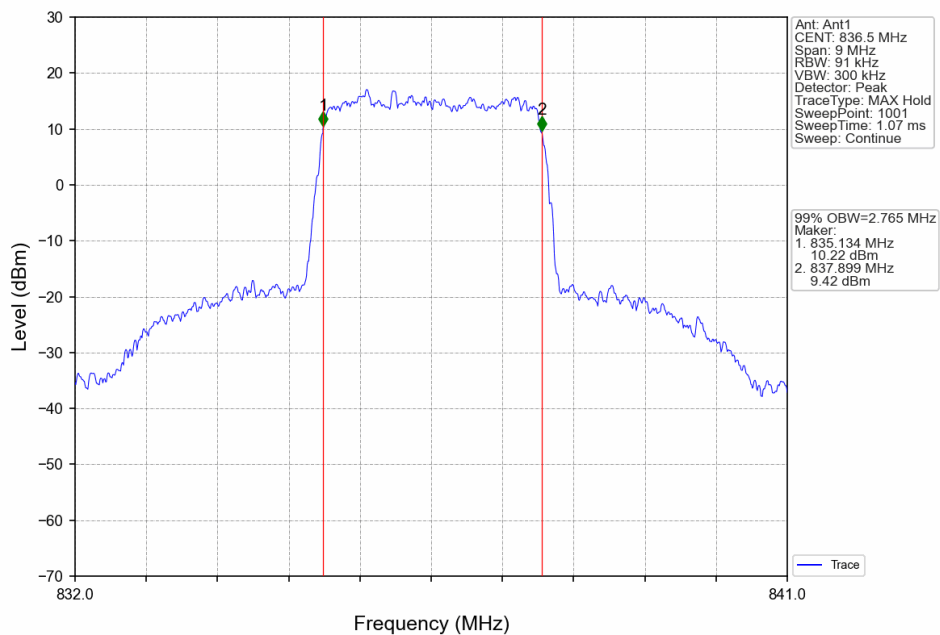
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



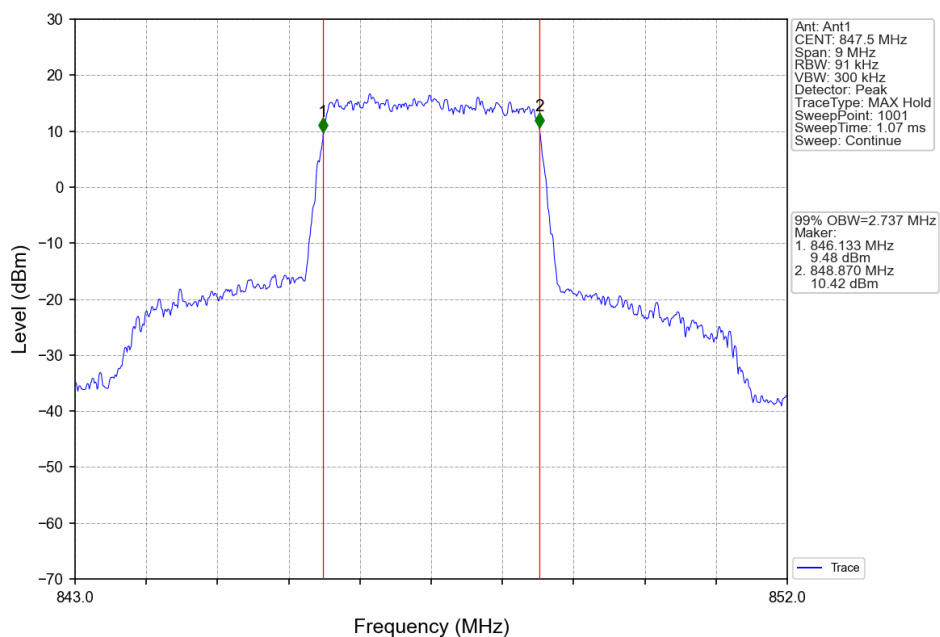
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



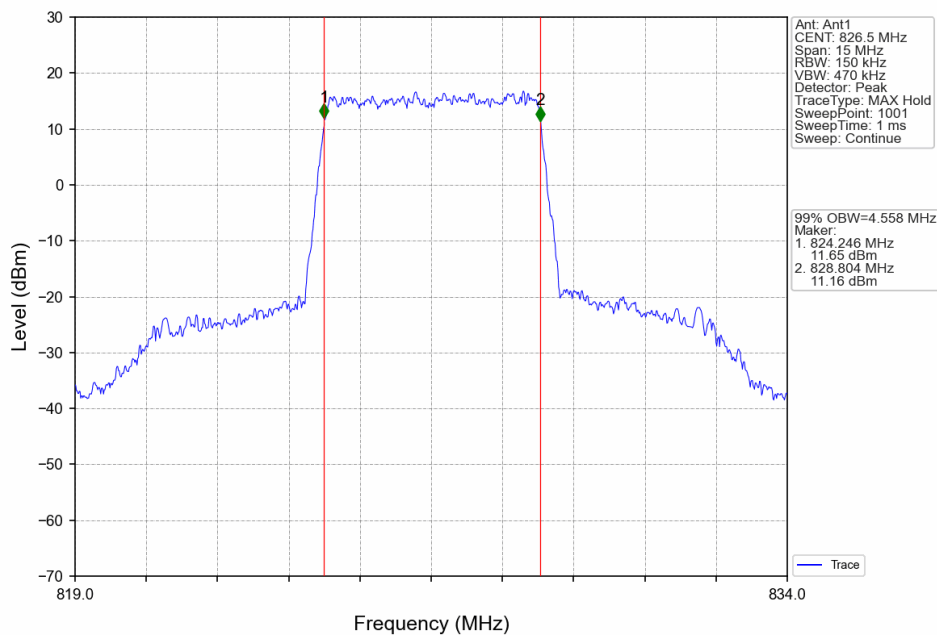
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



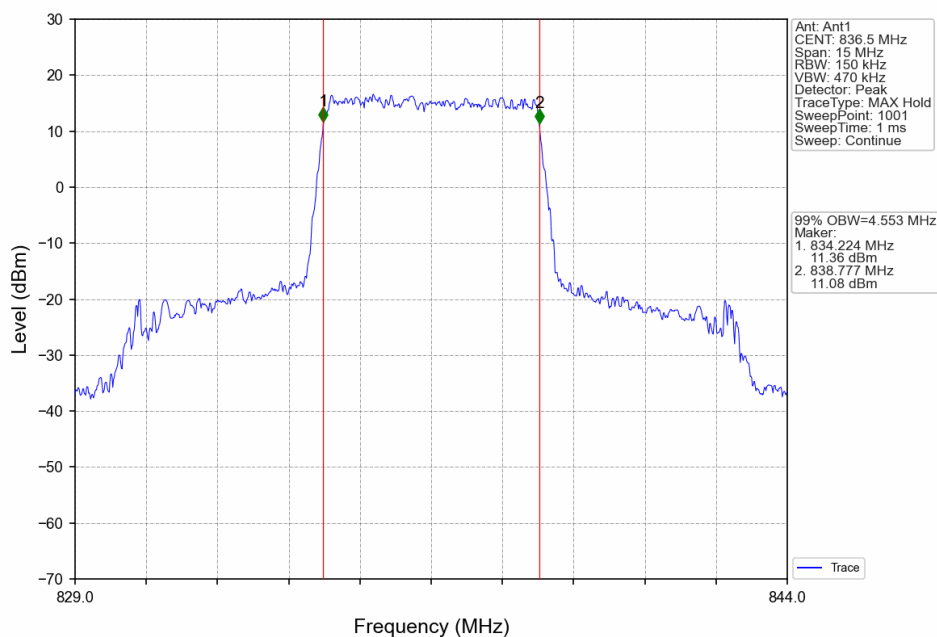
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



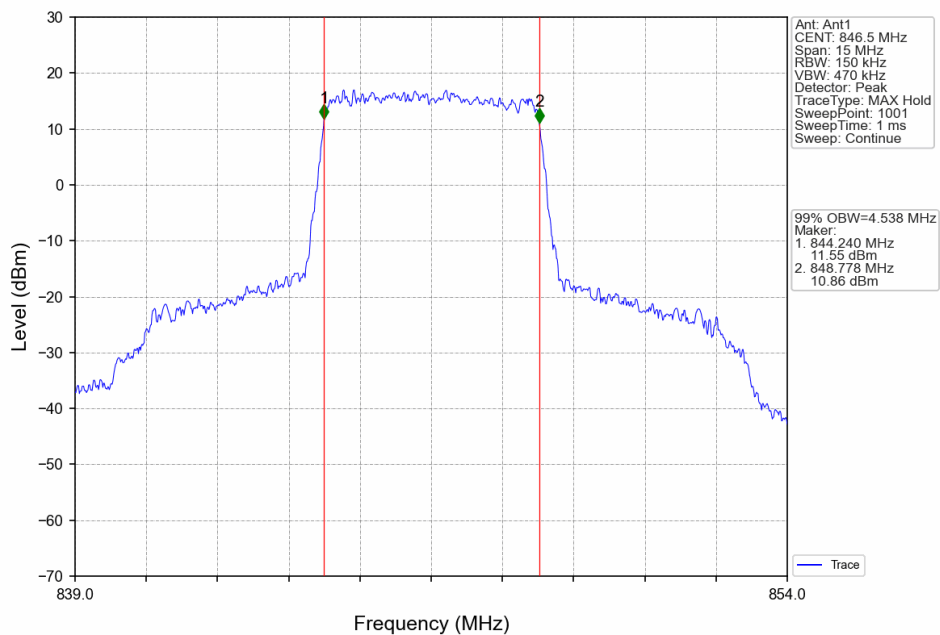
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



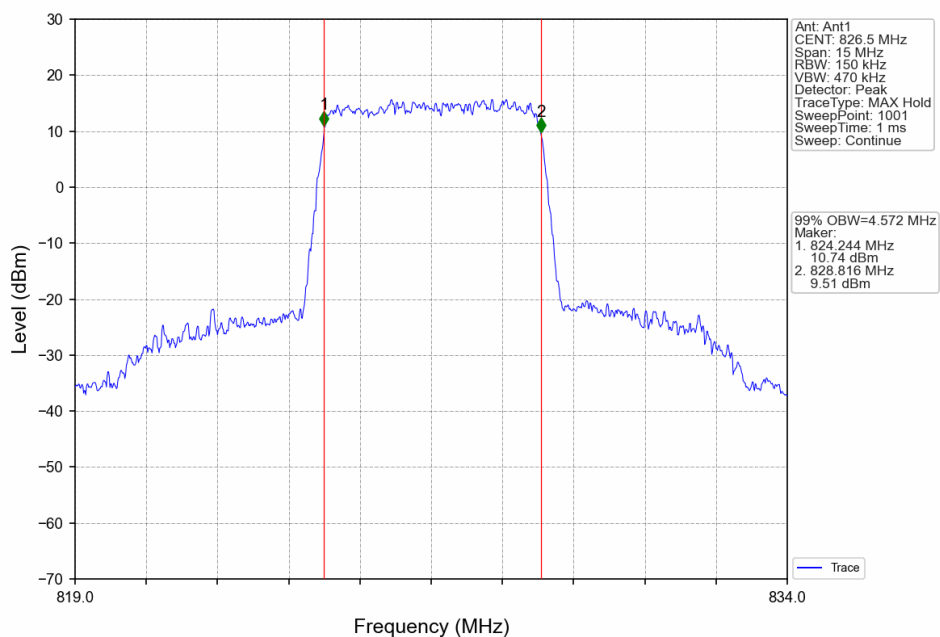
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



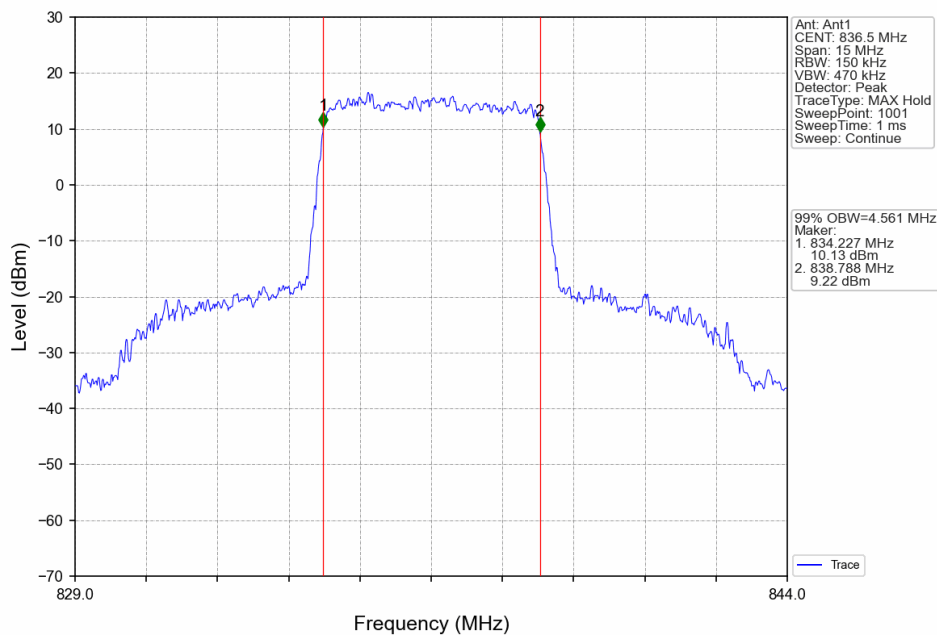
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



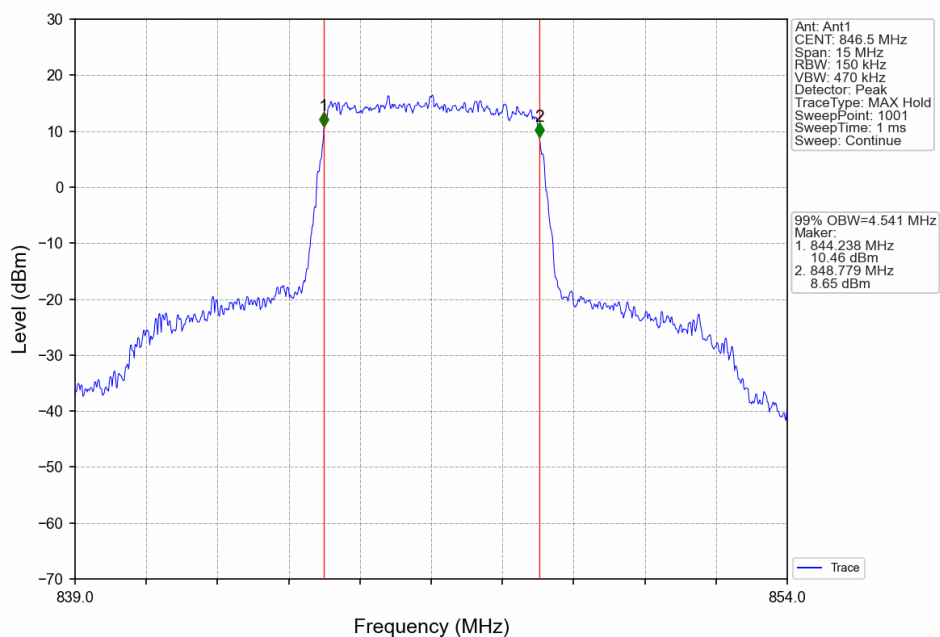
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



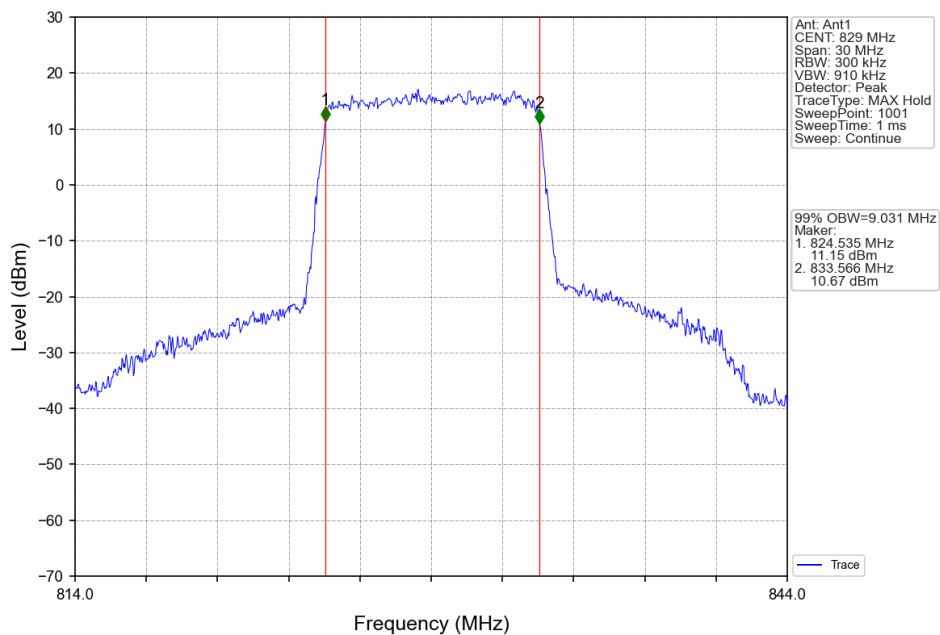
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



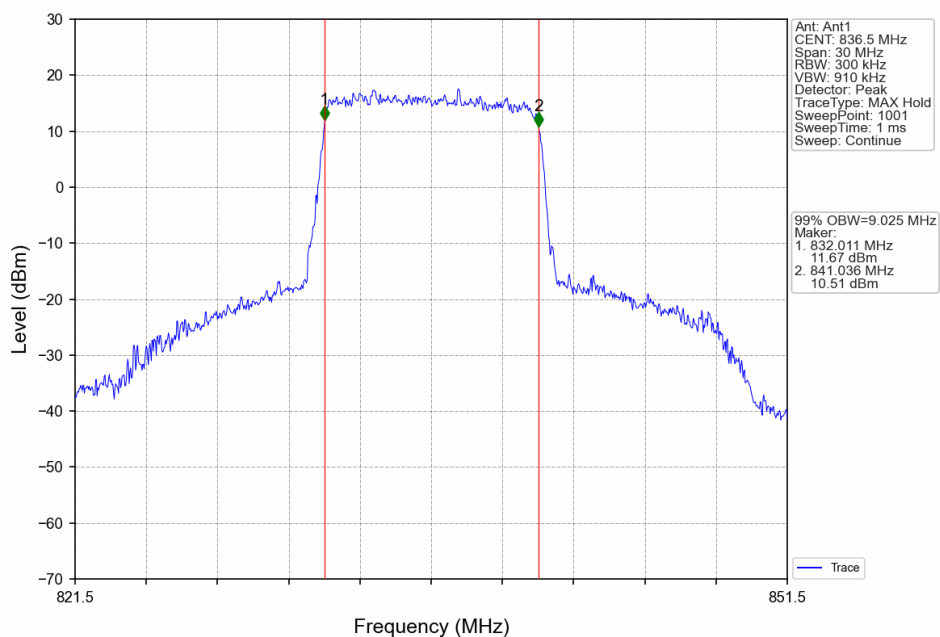
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

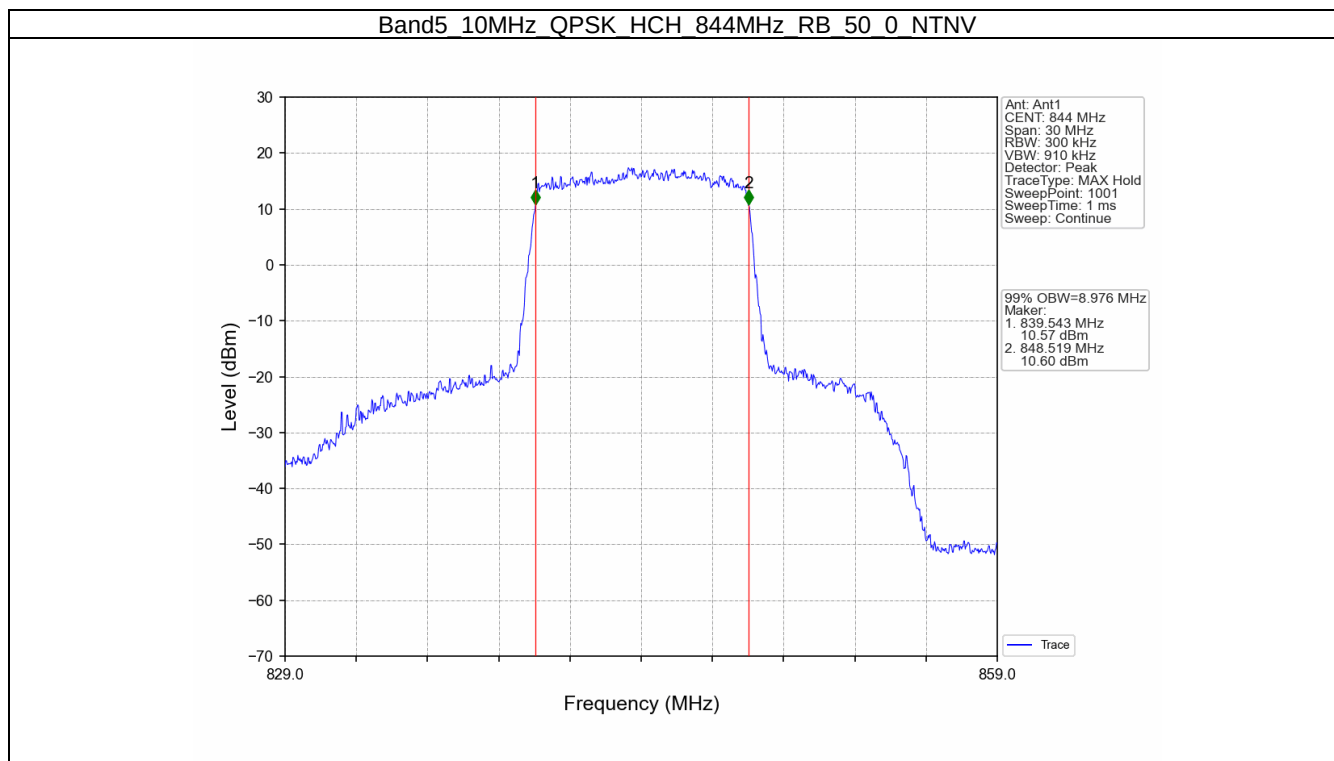


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

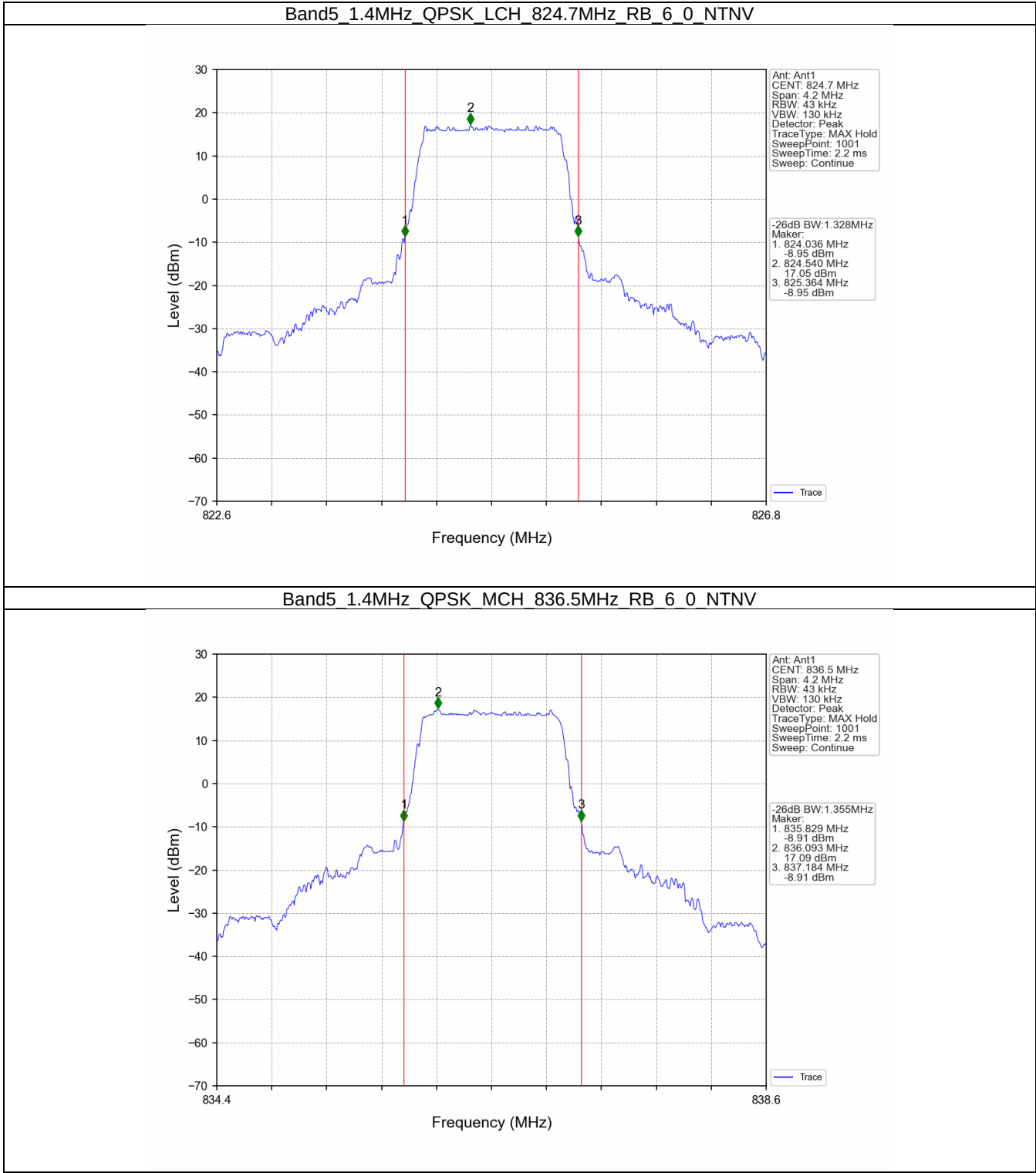


Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

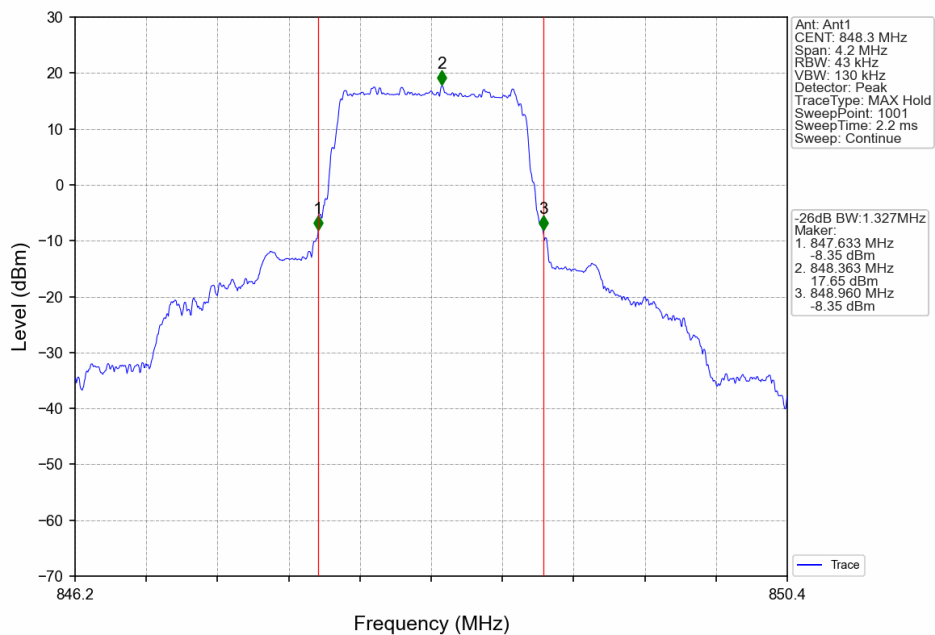




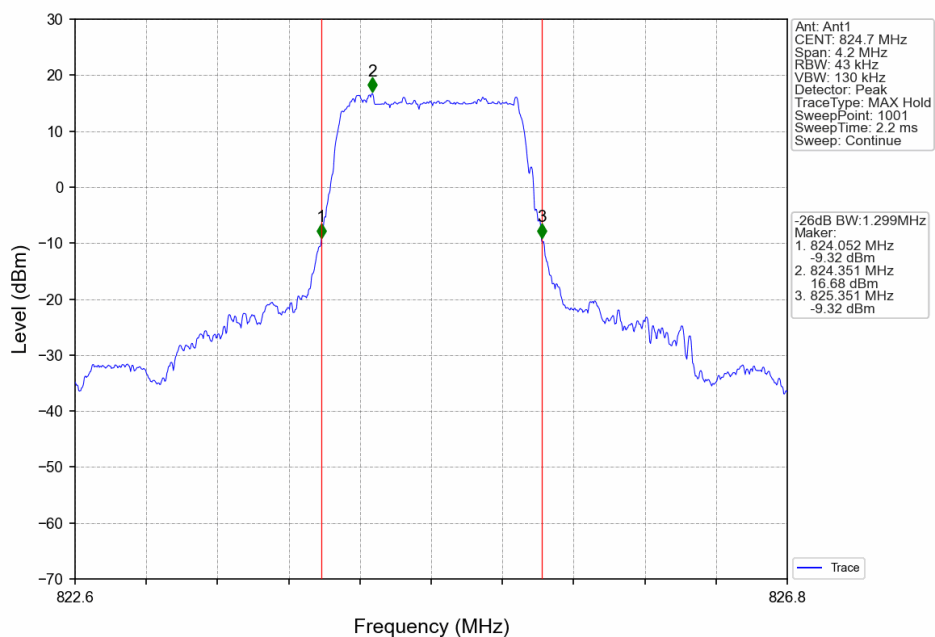
4.2.2 Band5_XDB



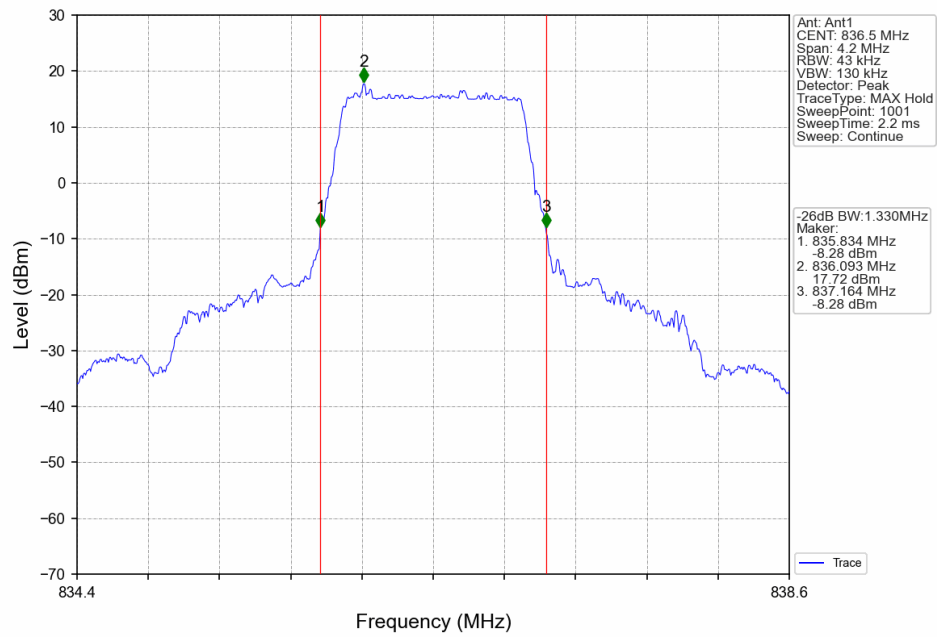
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



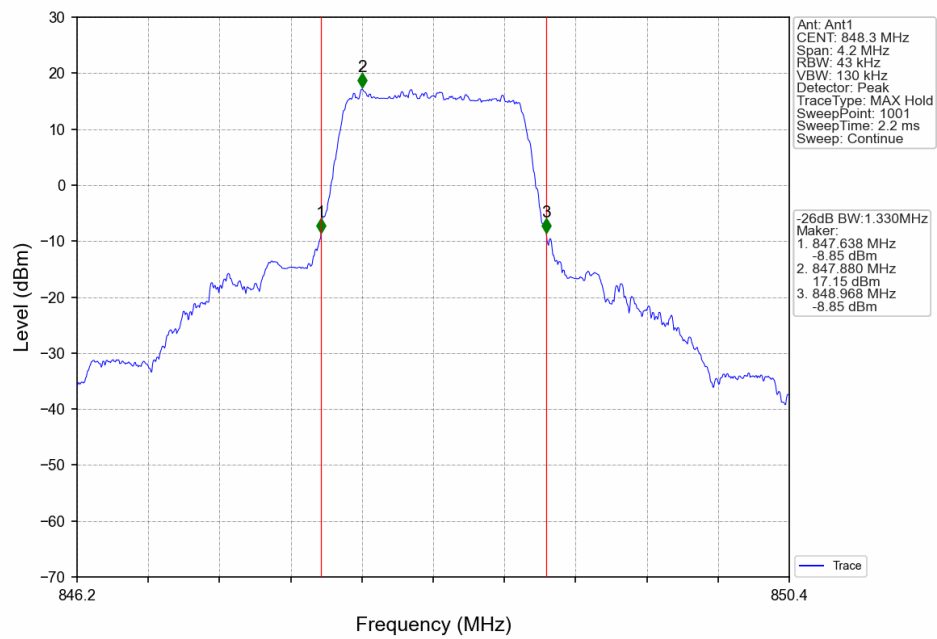
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



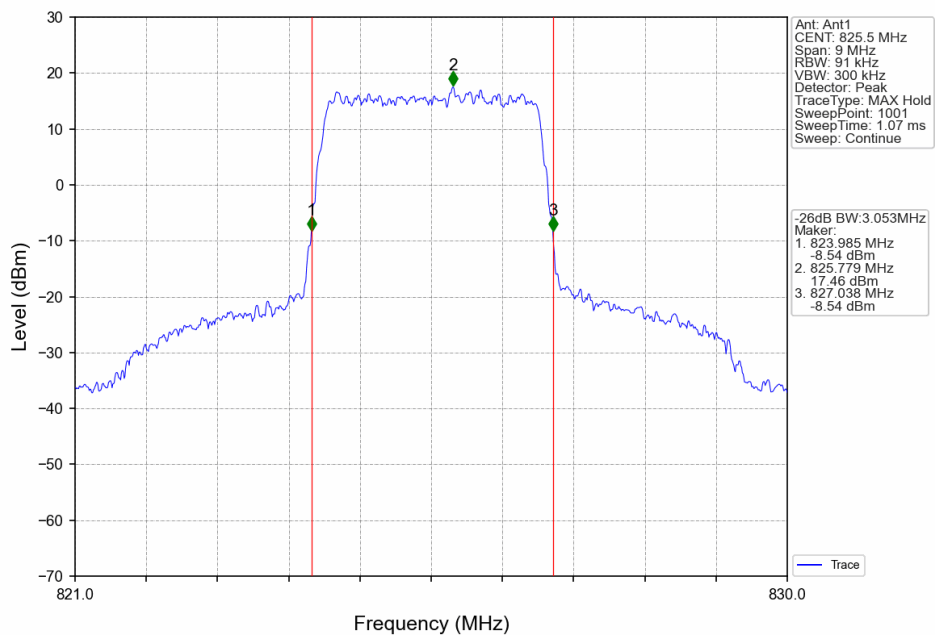
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



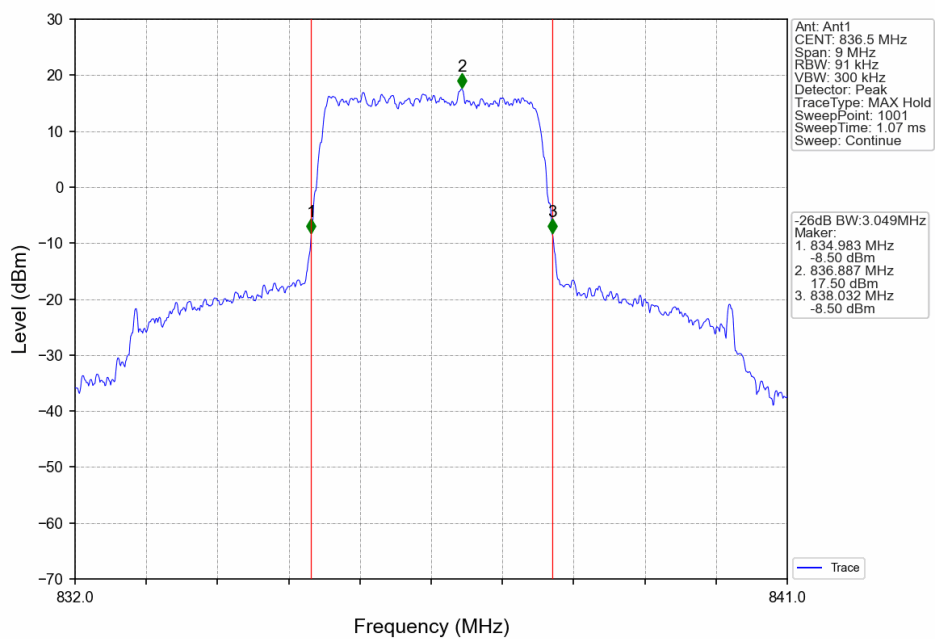
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



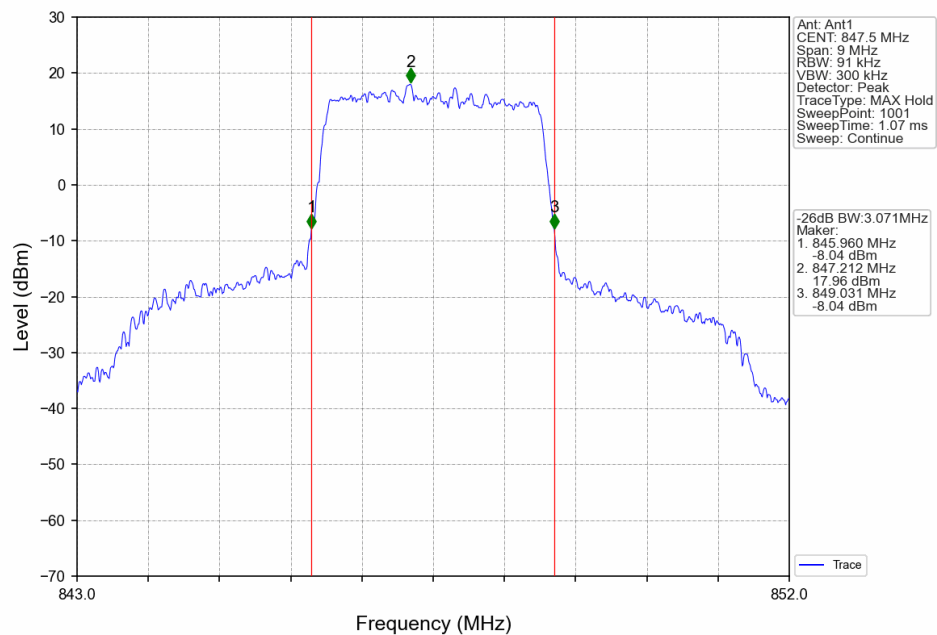
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



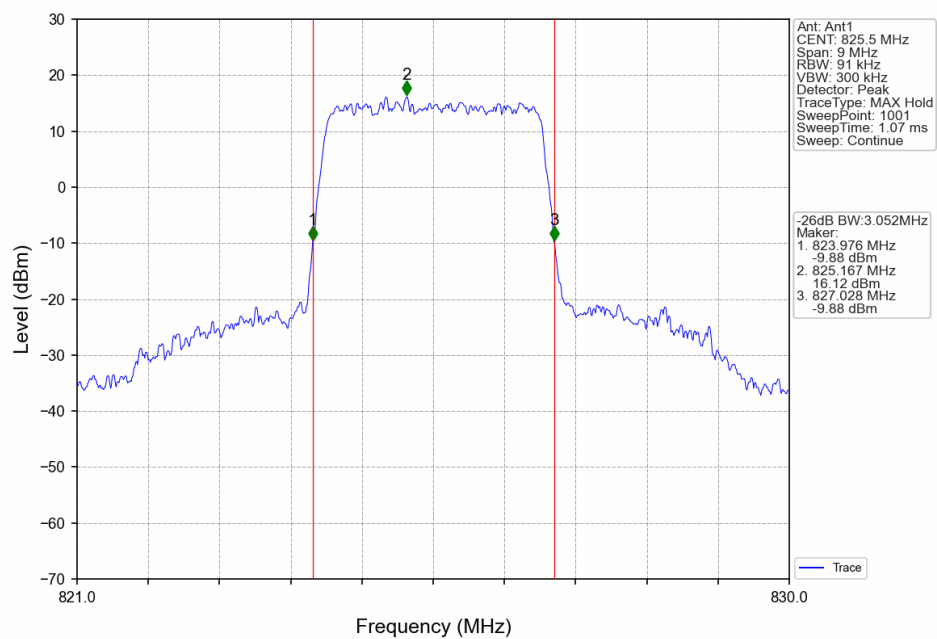
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



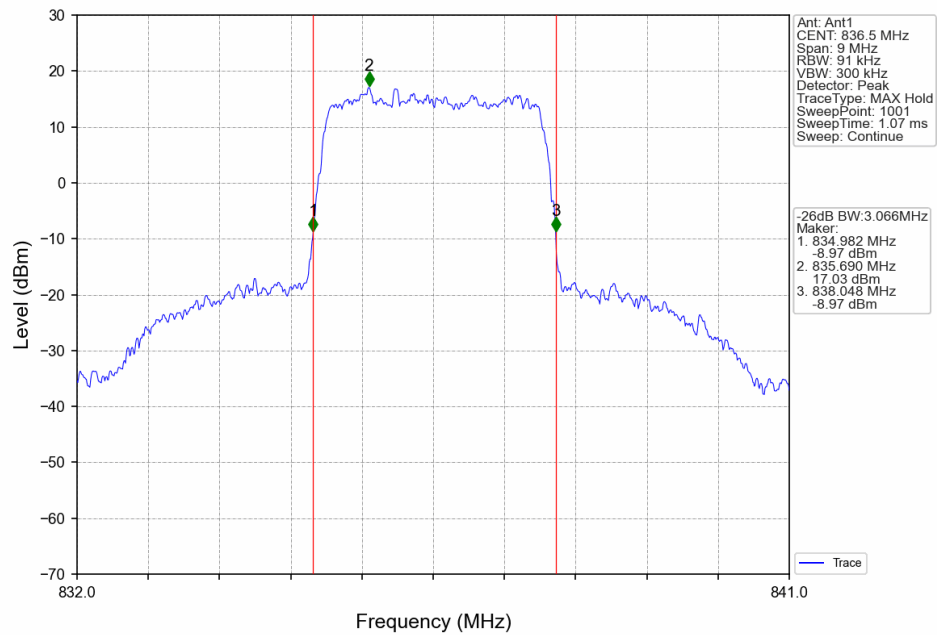
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



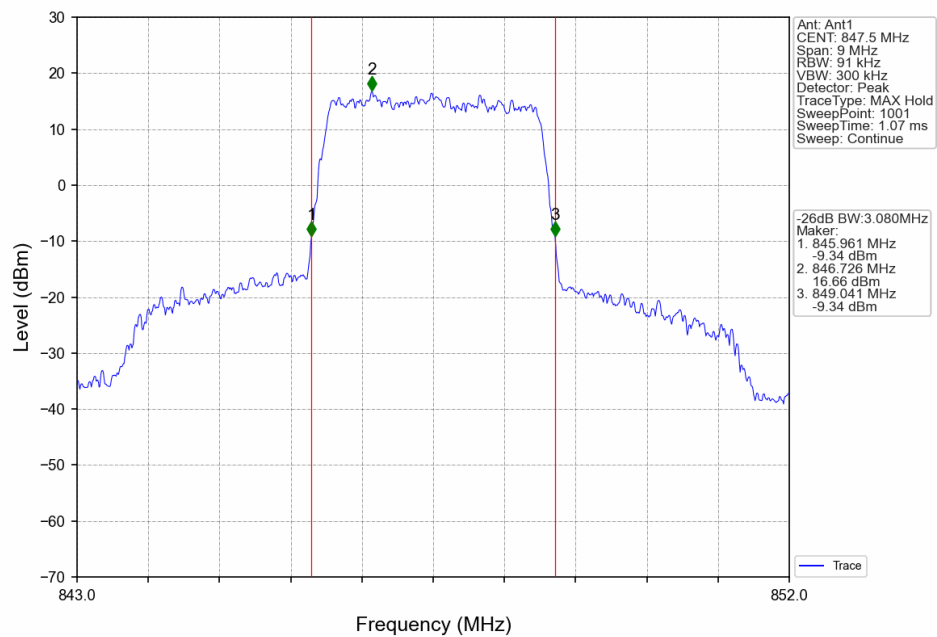
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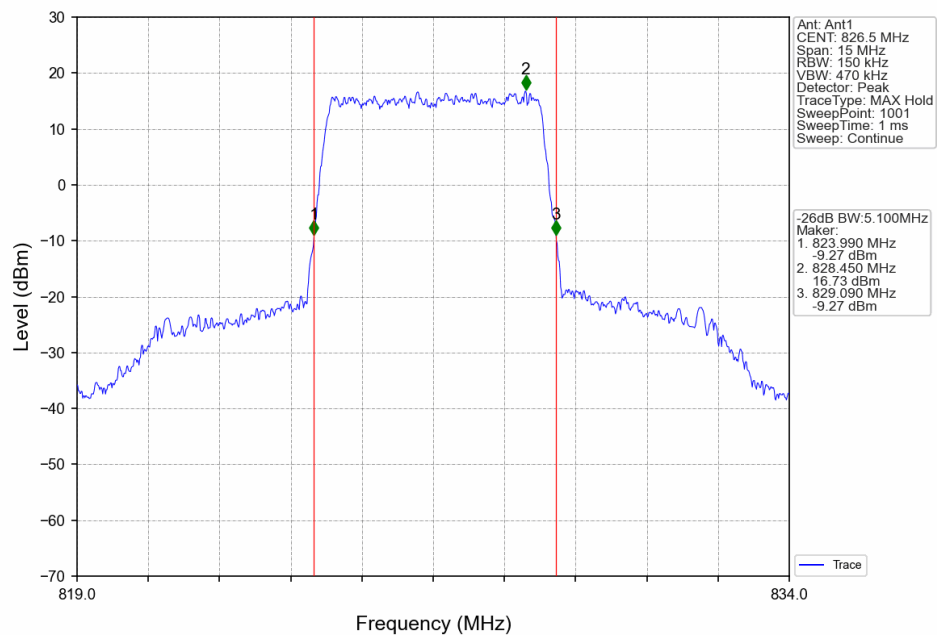
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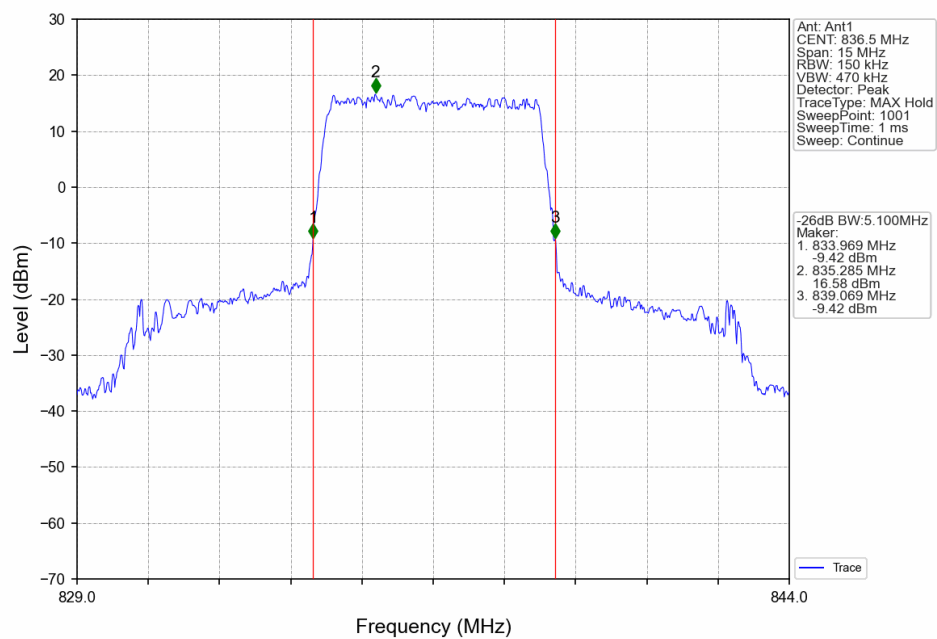
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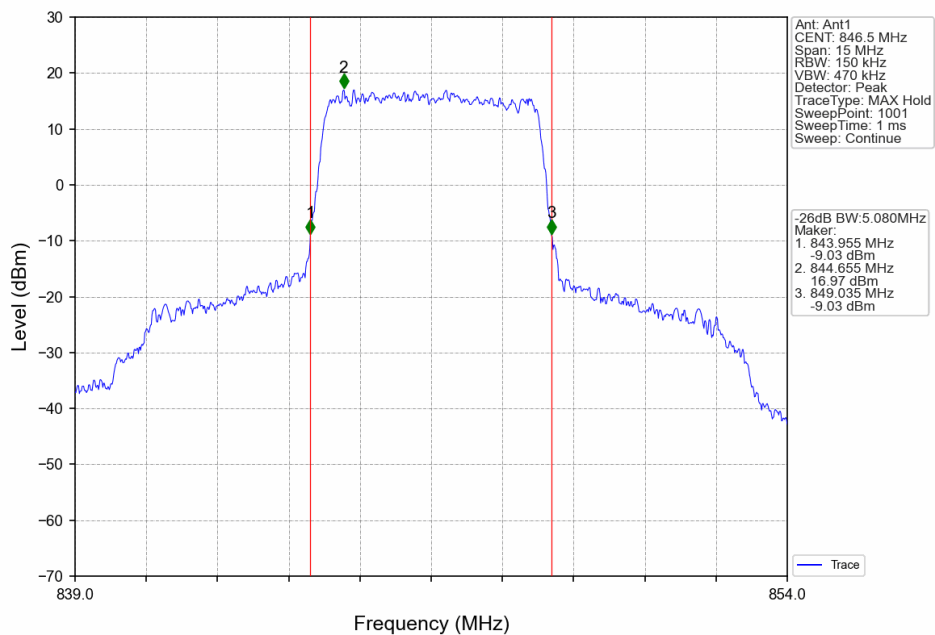
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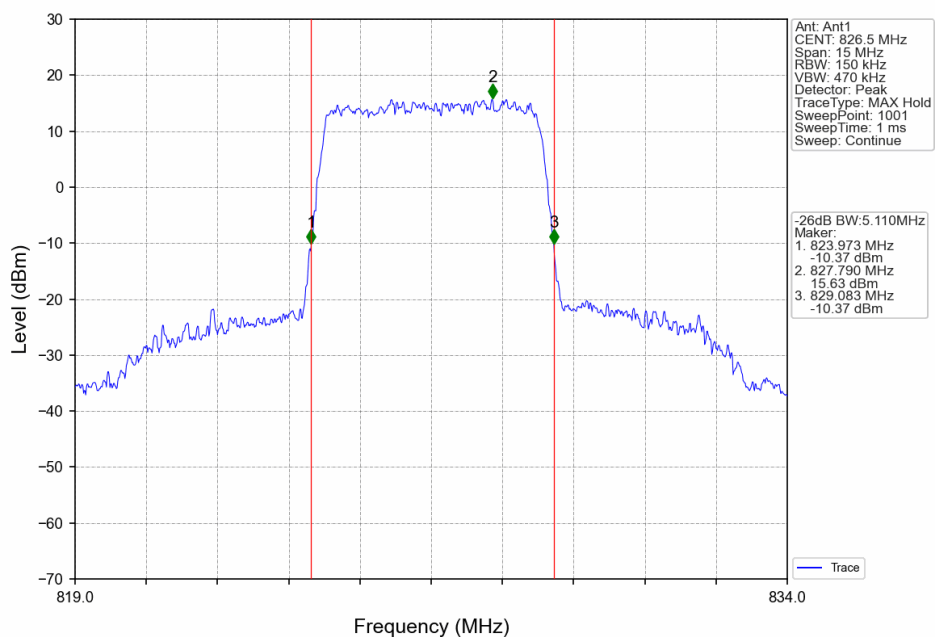
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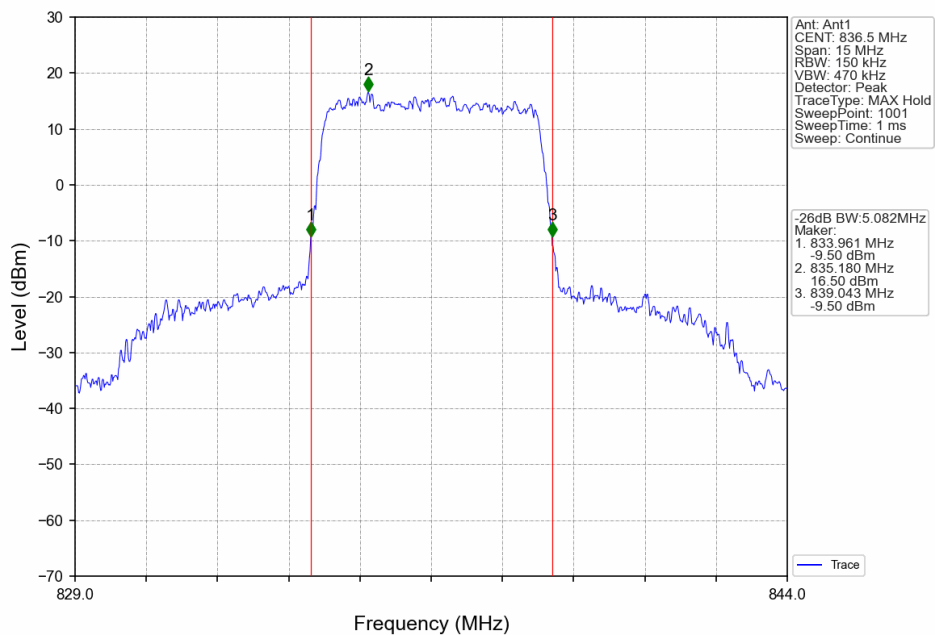
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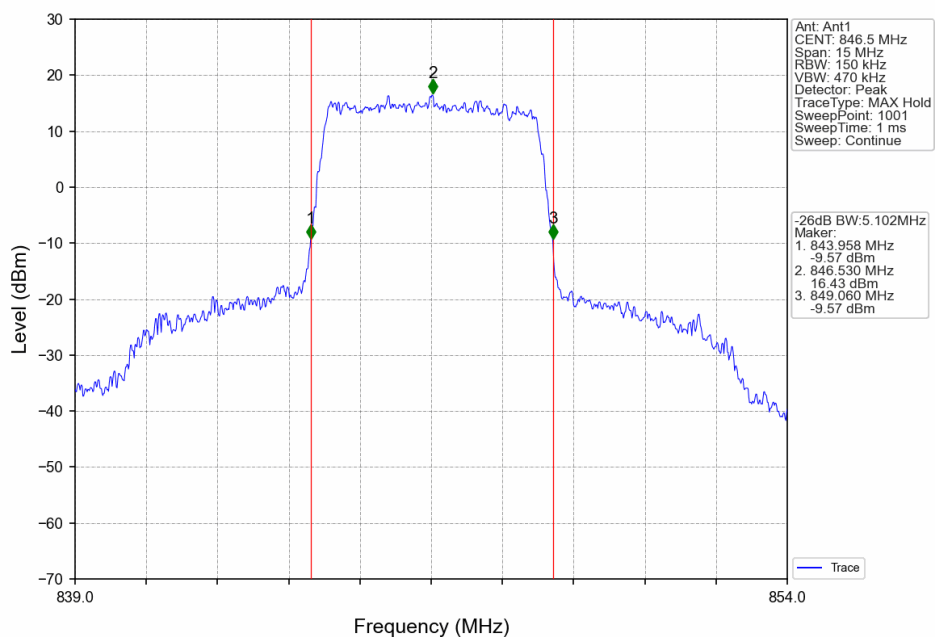
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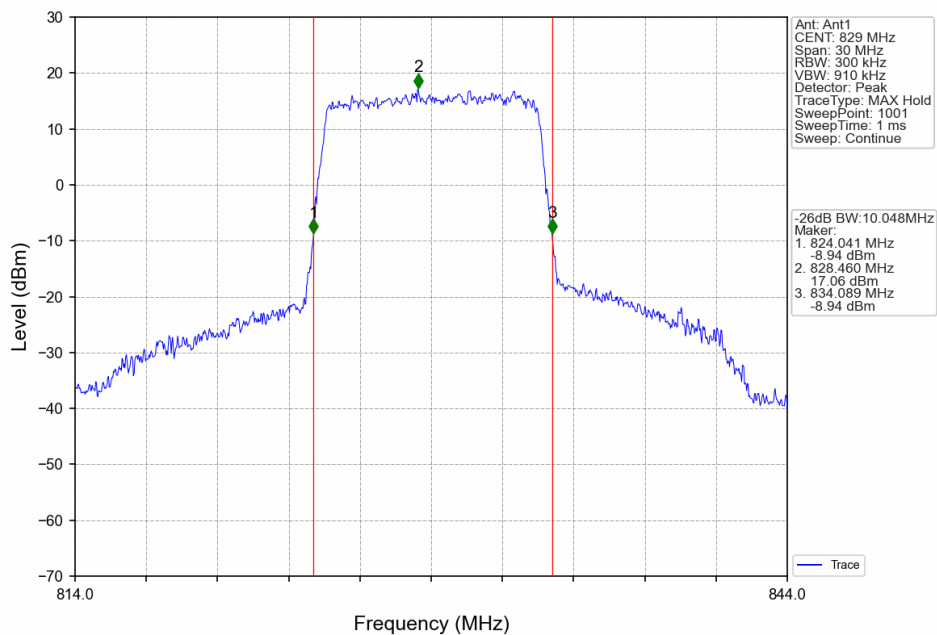
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



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

