

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	21.72	0.00	19.57	<=38.45	Pass
			2	21.73	0.00	19.58	<=38.45	Pass
			5	21.68	0.00	19.53	<=38.45	Pass
		3	0	21.79	0.00	19.64	<=38.45	Pass
			2	21.84	0.00	19.69	<=38.45	Pass
			3	21.76	0.00	19.61	<=38.45	Pass
		6	0	20.80	0.00	18.65	<=38.45	Pass
	836.5	1	0	21.50	0.00	19.35	<=38.45	Pass
			2	21.58	0.00	19.43	<=38.45	Pass
			5	21.57	0.00	19.42	<=38.45	Pass
		3	0	21.71	0.00	19.56	<=38.45	Pass
			2	21.65	0.00	19.50	<=38.45	Pass
			3	21.65	0.00	19.50	<=38.45	Pass
		6	0	20.59	0.00	18.44	<=38.45	Pass
	848.3	1	0	21.56	0.00	19.41	<=38.45	Pass
			2	21.63	0.00	19.48	<=38.45	Pass
			5	21.63	0.00	19.48	<=38.45	Pass
		3	0	21.52	0.00	19.37	<=38.45	Pass
			2	21.49	0.00	19.34	<=38.45	Pass
			3	21.52	0.00	19.37	<=38.45	Pass
		6	0	20.46	0.00	18.31	<=38.45	Pass
16QAM	824.7	1	0	21.08	0.00	18.93	<=38.45	Pass
			2	21.07	0.00	18.92	<=38.45	Pass
			5	21.11	0.00	18.96	<=38.45	Pass
		3	0	20.91	0.00	18.76	<=38.45	Pass
			2	20.87	0.00	18.72	<=38.45	Pass
			3	20.82	0.00	18.67	<=38.45	Pass
		6	0	20.00	0.00	17.85	<=38.45	Pass
	836.5	1	0	20.61	0.00	18.46	<=38.45	Pass
			2	20.69	0.00	18.54	<=38.45	Pass
			5	20.67	0.00	18.52	<=38.45	Pass
		3	0	20.47	0.00	18.32	<=38.45	Pass
			2	20.50	0.00	18.35	<=38.45	Pass
			3	20.48	0.00	18.33	<=38.45	Pass
		6	0	19.61	0.00	17.46	<=38.45	Pass
	848.3	1	0	19.98	0.00	17.83	<=38.45	Pass
			2	20.08	0.00	17.93	<=38.45	Pass
			5	20.06	0.00	17.91	<=38.45	Pass
		3	0	20.13	0.00	17.98	<=38.45	Pass
			2	20.30	0.00	18.15	<=38.45	Pass
			3	20.28	0.00	18.13	<=38.45	Pass
		6	0	19.57	0.00	17.42	<=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	21.93	0.00	19.78	<=38.45	Pass	
			7	21.86	0.00	19.71	<=38.45	Pass	
			14	21.87	0.00	19.72	<=38.45	Pass	
		8	0	20.82	0.00	18.67	<=38.45	Pass	
			4	20.70	0.00	18.55	<=38.45	Pass	
			7	20.86	0.00	18.71	<=38.45	Pass	
		15	0	20.76	0.00	18.61	<=38.45	Pass	
		836.5	1	0	21.51	0.00	19.36	<=38.45	Pass
				7	21.49	0.00	19.34	<=38.45	Pass
	14			21.51	0.00	19.36	<=38.45	Pass	
	8		0	20.52	0.00	18.37	<=38.45	Pass	
			4	20.54	0.00	18.39	<=38.45	Pass	
			7	20.57	0.00	18.42	<=38.45	Pass	
	15	0	20.68	0.00	18.53	<=38.45	Pass		
	847.5	1	0	21.43	0.00	19.28	<=38.45	Pass	
			7	21.44	0.00	19.29	<=38.45	Pass	
			14	21.41	0.00	19.26	<=38.45	Pass	
		8	0	20.41	0.00	18.26	<=38.45	Pass	
			4	20.40	0.00	18.25	<=38.45	Pass	
			7	20.53	0.00	18.38	<=38.45	Pass	
		15	0	20.48	0.00	18.33	<=38.45	Pass	
16QAM		825.5	1	0	20.39	0.00	18.24	<=38.45	Pass
				7	20.36	0.00	18.21	<=38.45	Pass
	14			20.34	0.00	18.19	<=38.45	Pass	
	8		0	19.95	0.00	17.80	<=38.45	Pass	
			4	19.98	0.00	17.83	<=38.45	Pass	
			7	19.85	0.00	17.70	<=38.45	Pass	
	15		0	19.88	0.00	17.73	<=38.45	Pass	
	836.5	1	0	21.22	0.00	19.07	<=38.45	Pass	
			7	21.28	0.00	19.13	<=38.45	Pass	
			14	21.22	0.00	19.07	<=38.45	Pass	
		8	0	19.78	0.00	17.63	<=38.45	Pass	
			4	19.72	0.00	17.57	<=38.45	Pass	
			7	19.72	0.00	17.57	<=38.45	Pass	
	15	0	19.69	0.00	17.54	<=38.45	Pass		
	847.5	1	0	20.61	0.00	18.46	<=38.45	Pass	
			7	20.53	0.00	18.38	<=38.45	Pass	
			14	20.57	0.00	18.42	<=38.45	Pass	
		8	0	19.73	0.00	17.58	<=38.45	Pass	
			4	19.73	0.00	17.58	<=38.45	Pass	
			7	19.67	0.00	17.52	<=38.45	Pass	
		15	0	19.52	0.00	17.37	<=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	21.67	0.00	19.52	<=38.45	Pass	
			13	21.62	0.00	19.47	<=38.45	Pass	
			24	21.69	0.00	19.54	<=38.45	Pass	
		12	0	20.85	0.00	18.70	<=38.45	Pass	
			6	20.93	0.00	18.78	<=38.45	Pass	
			13	20.84	0.00	18.69	<=38.45	Pass	
		25	0	20.77	0.00	18.62	<=38.45	Pass	
		836.5	1	0	21.59	0.00	19.44	<=38.45	Pass
				13	21.53	0.00	19.38	<=38.45	Pass
	24			21.51	0.00	19.36	<=38.45	Pass	
	12		0	20.46	0.00	18.31	<=38.45	Pass	
			6	20.67	0.00	18.52	<=38.45	Pass	
			13	20.59	0.00	18.44	<=38.45	Pass	
	25	0	20.53	0.00	18.38	<=38.45	Pass		
	846.5	1	0	21.45	0.00	19.30	<=38.45	Pass	
			13	21.43	0.00	19.28	<=38.45	Pass	
			24	21.43	0.00	19.28	<=38.45	Pass	
		12	0	20.44	0.00	18.29	<=38.45	Pass	
			6	20.48	0.00	18.33	<=38.45	Pass	
			13	20.39	0.00	18.24	<=38.45	Pass	
		25	0	20.47	0.00	18.32	<=38.45	Pass	
16QAM		826.5	1	0	20.86	0.00	18.71	<=38.45	Pass
				13	20.82	0.00	18.67	<=38.45	Pass
	24			20.78	0.00	18.63	<=38.45	Pass	
	12		0	19.82	0.00	17.67	<=38.45	Pass	
			6	19.72	0.00	17.57	<=38.45	Pass	
			13	19.68	0.00	17.53	<=38.45	Pass	
	25		0	19.74	0.00	17.59	<=38.45	Pass	
	836.5	1	0	20.63	0.00	18.48	<=38.45	Pass	
			13	20.65	0.00	18.50	<=38.45	Pass	
			24	20.64	0.00	18.49	<=38.45	Pass	
		12	0	19.69	0.00	17.54	<=38.45	Pass	
			6	19.66	0.00	17.51	<=38.45	Pass	
			13	19.65	0.00	17.50	<=38.45	Pass	
	25	0	19.60	0.00	17.45	<=38.45	Pass		
	846.5	1	0	19.64	0.00	17.49	<=38.45	Pass	
			13	19.62	0.00	17.47	<=38.45	Pass	
			24	19.75	0.00	17.60	<=38.45	Pass	
		12	0	19.41	0.00	17.26	<=38.45	Pass	
6			19.46	0.00	17.31	<=38.45	Pass		
13			19.50	0.00	17.35	<=38.45	Pass		
25		0	19.54	0.00	17.39	<=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	21.82	0.00	19.67	<=38.45	Pass
			25	21.75	0.00	19.60	<=38.45	Pass
			49	21.51	0.00	19.36	<=38.45	Pass
		25	0	20.79	0.00	18.64	<=38.45	Pass
			13	20.80	0.00	18.65	<=38.45	Pass
			25	20.72	0.00	18.57	<=38.45	Pass

		50	0	20.70	0.00	18.55	<=38.45	Pass
	836.5	1	0	21.64	0.00	19.49	<=38.45	Pass
			25	21.57	0.00	19.42	<=38.45	Pass
			49	21.44	0.00	19.29	<=38.45	Pass
			0	20.63	0.00	18.48	<=38.45	Pass
		25	13	20.50	0.00	18.35	<=38.45	Pass
			25	20.40	0.00	18.25	<=38.45	Pass
		50	0	20.58	0.00	18.43	<=38.45	Pass
	844	1	0	19.32	0.00	17.17	<=38.45	Pass
			25	19.46	0.00	17.31	<=38.45	Pass
			49	19.34	0.00	17.19	<=38.45	Pass
		25	0	18.41	0.00	16.26	<=38.45	Pass
			13	18.43	0.00	16.28	<=38.45	Pass
			25	18.39	0.00	16.24	<=38.45	Pass
		50	0	18.38	0.00	16.23	<=38.45	Pass
16QAM	829	1	0	20.66	0.00	18.51	<=38.45	Pass
			25	20.54	0.00	18.39	<=38.45	Pass
			49	20.41	0.00	18.26	<=38.45	Pass
		25	0	19.89	0.00	17.74	<=38.45	Pass
			13	19.99	0.00	17.84	<=38.45	Pass
			25	19.88	0.00	17.73	<=38.45	Pass
		50	0	19.81	0.00	17.66	<=38.45	Pass
	836.5	1	0	20.81	0.00	18.66	<=38.45	Pass
			25	20.71	0.00	18.56	<=38.45	Pass
			49	18.54	0.00	16.39	<=38.45	Pass
		25	0	16.85	0.00	14.70	<=38.45	Pass
			13	16.65	0.00	14.50	<=38.45	Pass
			25	16.57	0.00	14.42	<=38.45	Pass
		50	0	16.75	0.00	14.60	<=38.45	Pass
	844	1	0	18.40	0.00	16.25	<=38.45	Pass
			25	18.52	0.00	16.37	<=38.45	Pass
			49	18.57	0.00	16.42	<=38.45	Pass
		25	0	16.07	0.00	13.92	<=38.45	Pass
			13	16.19	0.00	14.04	<=38.45	Pass
			25	16.24	0.00	14.09	<=38.45	Pass
		50	0	16.17	0.00	14.02	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-13.261	-0.0161	-2.5 to 2.5	Pass
					3.85	-12.460	-0.0151	-2.5 to 2.5	Pass
					4.43	-11.287	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-9.069	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0021	-2.5 to 2.5	Pass
				30	3.85	3.748	0.0045	-2.5 to 2.5	Pass
				40	3.85	5.493	0.0067	-2.5 to 2.5	Pass

	836.5	6	0	50	3.85	6.652	0.0081	-2.5 to 2.5	Pass
				20	3.27	-28.281	-0.0338	-2.5 to 2.5	Pass
					3.85	-33.860	-0.0405	-2.5 to 2.5	Pass
					4.43	-36.092	-0.0431	-2.5 to 2.5	Pass
				-30	3.85	-36.907	-0.0441	-2.5 to 2.5	Pass
				-20	3.85	-37.079	-0.0443	-2.5 to 2.5	Pass
				-10	3.85	-37.923	-0.0453	-2.5 to 2.5	Pass
				0	3.85	-38.180	-0.0456	-2.5 to 2.5	Pass
				10	3.85	-39.110	-0.0468	-2.5 to 2.5	Pass
				30	3.85	-39.182	-0.0468	-2.5 to 2.5	Pass
				40	3.85	-40.340	-0.0482	-2.5 to 2.5	Pass
				50	3.85	-41.714	-0.0499	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	30.413	0.0359	-2.5 to 2.5	Pass
					3.85	26.894	0.0317	-2.5 to 2.5	Pass
					4.43	23.060	0.0272	-2.5 to 2.5	Pass
				-30	3.85	21.214	0.0250	-2.5 to 2.5	Pass
				-20	3.85	20.742	0.0245	-2.5 to 2.5	Pass
				-10	3.85	20.285	0.0239	-2.5 to 2.5	Pass
				0	3.85	19.641	0.0232	-2.5 to 2.5	Pass
				10	3.85	18.396	0.0217	-2.5 to 2.5	Pass
				30	3.85	17.166	0.0202	-2.5 to 2.5	Pass
				40	3.85	15.450	0.0182	-2.5 to 2.5	Pass
				50	3.85	14.076	0.0166	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	6.909	0.0084	-2.5 to 2.5	Pass
					3.85	11.058	0.0134	-2.5 to 2.5	Pass
					4.43	15.707	0.0190	-2.5 to 2.5	Pass
				-30	3.85	17.395	0.0211	-2.5 to 2.5	Pass
				-20	3.85	17.123	0.0208	-2.5 to 2.5	Pass
				-10	3.85	17.610	0.0214	-2.5 to 2.5	Pass
				0	3.85	16.336	0.0198	-2.5 to 2.5	Pass
				10	3.85	16.351	0.0198	-2.5 to 2.5	Pass
				30	3.85	16.036	0.0194	-2.5 to 2.5	Pass
				40	3.85	15.821	0.0192	-2.5 to 2.5	Pass
				50	3.85	15.121	0.0183	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-42.973	-0.0514	-2.5 to 2.5	Pass
					3.85	-42.858	-0.0512	-2.5 to 2.5	Pass
					4.43	-43.216	-0.0517	-2.5 to 2.5	Pass
				-30	3.85	-44.203	-0.0528	-2.5 to 2.5	Pass
				-20	3.85	-45.075	-0.0539	-2.5 to 2.5	Pass
				-10	3.85	-46.420	-0.0555	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-9.356	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-10.586	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-12.259	-0.0147	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	11.544	0.0136	-2.5 to 2.5	Pass
					3.85	11.230	0.0132	-2.5 to 2.5	Pass
					4.43	10.028	0.0118	-2.5 to 2.5	Pass
				-30	3.85	8.683	0.0102	-2.5 to 2.5	Pass
				-20	3.85	6.952	0.0082	-2.5 to 2.5	Pass
				-10	3.85	5.035	0.0059	-2.5 to 2.5	Pass
				0	3.85	3.076	0.0036	-2.5 to 2.5	Pass
				10	3.85	1.202	0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.535	-0.0053	-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	2.432	0.0029	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
					4.43	-8.183	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-11.129	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-12.946	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-14.563	-0.0176	-2.5 to 2.5	Pass
				0	3.85	-16.437	-0.0199	-2.5 to 2.5	Pass
				10	3.85	-18.468	-0.0224	-2.5 to 2.5	Pass
				30	3.85	-20.599	-0.0250	-2.5 to 2.5	Pass
				40	3.85	-23.074	-0.0280	-2.5 to 2.5	Pass
				50	3.85	-25.406	-0.0308	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	9.513	0.0114	-2.5 to 2.5	Pass
					3.85	7.024	0.0084	-2.5 to 2.5	Pass
					4.43	3.190	0.0038	-2.5 to 2.5	Pass
				-30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.375	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-8.254	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-10.715	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-12.331	-0.0147	-2.5 to 2.5	Pass
				50	3.85	-14.262	-0.0170	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	7.210	0.0085	-2.5 to 2.5	Pass
					3.85	2.675	0.0032	-2.5 to 2.5	Pass
					4.43	-2.747	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.638	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-9.398	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-11.644	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-14.119	-0.0167	-2.5 to 2.5	Pass
				10	3.85	-15.821	-0.0187	-2.5 to 2.5	Pass
				30	3.85	-18.196	-0.0215	-2.5 to 2.5	Pass
				40	3.85	-20.013	-0.0236	-2.5 to 2.5	Pass
				50	3.85	-22.688	-0.0268	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-28.896	-0.0350	-2.5 to 2.5	Pass
					3.85	-29.855	-0.0362	-2.5 to 2.5	Pass
					4.43	-31.314	-0.0379	-2.5 to 2.5	Pass
				-30	3.85	-33.031	-0.0400	-2.5 to 2.5	Pass
				-20	3.85	-35.090	-0.0425	-2.5 to 2.5	Pass
				-10	3.85	-37.279	-0.0452	-2.5 to 2.5	Pass
				0	3.85	-39.840	-0.0483	-2.5 to 2.5	Pass
				10	3.85	-41.957	-0.0508	-2.5 to 2.5	Pass
				30	3.85	-44.289	-0.0537	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-7.553	-0.0091	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-16.208	-0.0194	-2.5 to 2.5	Pass
					3.85	-16.379	-0.0196	-2.5 to 2.5	Pass
					4.43	-16.780	-0.0201	-2.5 to 2.5	Pass
				-30	3.85	-17.796	-0.0213	-2.5 to 2.5	Pass
				-20	3.85	-18.497	-0.0221	-2.5 to 2.5	Pass
				-10	3.85	-19.941	-0.0238	-2.5 to 2.5	Pass
				0	3.85	-20.485	-0.0245	-2.5 to 2.5	Pass
				10	3.85	-21.629	-0.0259	-2.5 to 2.5	Pass
				30	3.85	-22.745	-0.0272	-2.5 to 2.5	Pass

	847.5	15	0	40	3.85	-23.861	-0.0285	-2.5 to 2.5	Pass
				50	3.85	-25.063	-0.0300	-2.5 to 2.5	Pass
				20	3.27	-25.721	-0.0303	-2.5 to 2.5	Pass
					3.85	-25.535	-0.0301	-2.5 to 2.5	Pass
					4.43	-25.964	-0.0306	-2.5 to 2.5	Pass
				-30	3.85	-27.151	-0.0320	-2.5 to 2.5	Pass
				-20	3.85	-27.752	-0.0327	-2.5 to 2.5	Pass
				-10	3.85	-29.197	-0.0345	-2.5 to 2.5	Pass
				0	3.85	-29.898	-0.0353	-2.5 to 2.5	Pass
				10	3.85	-31.171	-0.0368	-2.5 to 2.5	Pass
				30	3.85	-32.444	-0.0383	-2.5 to 2.5	Pass
				40	3.85	-33.631	-0.0397	-2.5 to 2.5	Pass
				50	3.85	-34.747	-0.0410	-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	6.223	0.0075	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
					4.43	-8.483	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-13.962	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-17.867	-0.0216	-2.5 to 2.5	Pass
				-10	3.85	-20.771	-0.0251	-2.5 to 2.5	Pass
				0	3.85	-23.518	-0.0285	-2.5 to 2.5	Pass
				10	3.85	-26.565	-0.0321	-2.5 to 2.5	Pass
				30	3.85	-29.197	-0.0353	-2.5 to 2.5	Pass
				40	3.85	-32.330	-0.0391	-2.5 to 2.5	Pass
				50	3.85	-35.362	-0.0428	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	5.550	0.0066	-2.5 to 2.5	Pass
					3.85	4.206	0.0050	-2.5 to 2.5	Pass
					4.43	1.044	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-8.869	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-10.371	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-11.516	-0.0138	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	5.851	0.0069	-2.5 to 2.5	Pass
					3.85	0.887	0.0010	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-8.225	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-10.757	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-12.388	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-14.377	-0.0170	-2.5 to 2.5	Pass
				10	3.85	-16.365	-0.0193	-2.5 to 2.5	Pass
				30	3.85	-17.881	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-19.183	-0.0227	-2.5 to 2.5	Pass
				50	3.85	-20.928	-0.0247	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-38.753	-0.0469	-2.5 to 2.5	Pass
					3.85	-39.382	-0.0476	-2.5 to 2.5	Pass
					4.43	-39.911	-0.0483	-2.5 to 2.5	Pass
				-30	3.85	-41.256	-0.0499	-2.5 to 2.5	Pass
				-20	3.85	-42.257	-0.0511	-2.5 to 2.5	Pass

				-10	3.85	-43.702	-0.0529	-2.5 to 2.5	Pass
				0	3.85	-33.088	-0.0400	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-6.995	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-8.540	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-10.242	-0.0124	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-12.946	-0.0155	-2.5 to 2.5	Pass
					3.85	-12.016	-0.0144	-2.5 to 2.5	Pass
					4.43	-11.973	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-12.116	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-12.503	-0.0149	-2.5 to 2.5	Pass
				-10	3.85	-12.889	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-13.661	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-14.234	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-14.791	-0.0177	-2.5 to 2.5	Pass
				40	3.85	-15.650	-0.0187	-2.5 to 2.5	Pass
				50	3.85	-16.036	-0.0192	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-23.332	-0.0276	-2.5 to 2.5	Pass
					3.85	-22.945	-0.0271	-2.5 to 2.5	Pass
					4.43	-23.446	-0.0277	-2.5 to 2.5	Pass
				-30	3.85	-23.432	-0.0277	-2.5 to 2.5	Pass
				-20	3.85	-24.204	-0.0286	-2.5 to 2.5	Pass
				-10	3.85	-24.991	-0.0295	-2.5 to 2.5	Pass
				0	3.85	-25.821	-0.0305	-2.5 to 2.5	Pass
				10	3.85	-26.536	-0.0313	-2.5 to 2.5	Pass
				30	3.85	-27.280	-0.0322	-2.5 to 2.5	Pass
				40	3.85	-28.238	-0.0334	-2.5 to 2.5	Pass
				50	3.85	-29.082	-0.0344	-2.5 to 2.5	Pass

2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	0.958	0.0012	-2.5 to 2.5	Pass
					3.85	-9.313	-0.0112	-2.5 to 2.5	Pass
					4.43	-16.766	-0.0202	-2.5 to 2.5	Pass
				-30	3.85	-20.757	-0.0250	-2.5 to 2.5	Pass
				-20	3.85	-24.376	-0.0294	-2.5 to 2.5	Pass
				-10	3.85	-27.595	-0.0333	-2.5 to 2.5	Pass
				0	3.85	-31.400	-0.0379	-2.5 to 2.5	Pass
				10	3.85	-34.490	-0.0416	-2.5 to 2.5	Pass
				30	3.85	-36.864	-0.0445	-2.5 to 2.5	Pass
				40	3.85	-39.382	-0.0475	-2.5 to 2.5	Pass
				50	3.85	-41.556	-0.0501	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	8.912	0.0107	-2.5 to 2.5	Pass
					3.85	3.405	0.0041	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-7.925	-0.0095	-2.5 to 2.5	Pass
				10	3.85	-9.484	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-10.986	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-12.131	-0.0145	-2.5 to 2.5	Pass
				50	3.85	-13.890	-0.0166	-2.5 to 2.5	Pass
	844	50	0	20	3.27	4.778	0.0057	-2.5 to 2.5	Pass

					3.85	-3.433	-0.0041	-2.5 to 2.5	Pass
					4.43	-8.712	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-11.859	-0.0141	-2.5 to 2.5	Pass
				-20	3.85	-14.548	-0.0172	-2.5 to 2.5	Pass
				-10	3.85	-16.479	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-18.611	-0.0221	-2.5 to 2.5	Pass
				10	3.85	-20.328	-0.0241	-2.5 to 2.5	Pass
				30	3.85	-21.687	-0.0257	-2.5 to 2.5	Pass
				40	3.85	-23.317	-0.0276	-2.5 to 2.5	Pass
				50	3.85	-24.662	-0.0292	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-44.675	-0.0539	-2.5 to 2.5	Pass
					3.85	-44.332	-0.0535	-2.5 to 2.5	Pass
					4.43	-44.661	-0.0539	-2.5 to 2.5	Pass
				-30	3.85	-45.748	-0.0552	-2.5 to 2.5	Pass
				-20	3.85	-46.506	-0.0561	-2.5 to 2.5	Pass
				-10	3.85	-47.793	-0.0577	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-14.606	-0.0175	-2.5 to 2.5	Pass
					3.85	-13.261	-0.0159	-2.5 to 2.5	Pass
					4.43	-12.388	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-13.218	-0.0158	-2.5 to 2.5	Pass
				-20	3.85	-13.433	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-13.847	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-14.706	-0.0176	-2.5 to 2.5	Pass
				10	3.85	-14.534	-0.0174	-2.5 to 2.5	Pass
				30	3.85	-15.349	-0.0183	-2.5 to 2.5	Pass
				40	3.85	-15.621	-0.0187	-2.5 to 2.5	Pass
				50	3.85	-15.965	-0.0191	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-27.065	-0.0321	-2.5 to 2.5	Pass
					3.85	-27.537	-0.0326	-2.5 to 2.5	Pass
					4.43	-28.725	-0.0340	-2.5 to 2.5	Pass
				-30	3.85	-30.127	-0.0357	-2.5 to 2.5	Pass
				-20	3.85	-31.543	-0.0374	-2.5 to 2.5	Pass
				-10	3.85	-32.859	-0.0389	-2.5 to 2.5	Pass
				0	3.85	-33.646	-0.0399	-2.5 to 2.5	Pass
				10	3.85	-32.816	-0.0389	-2.5 to 2.5	Pass
				30	3.85	-20.871	-0.0247	-2.5 to 2.5	Pass
				40	3.85	-14.448	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-12.517	-0.0148	-2.5 to 2.5	Pass

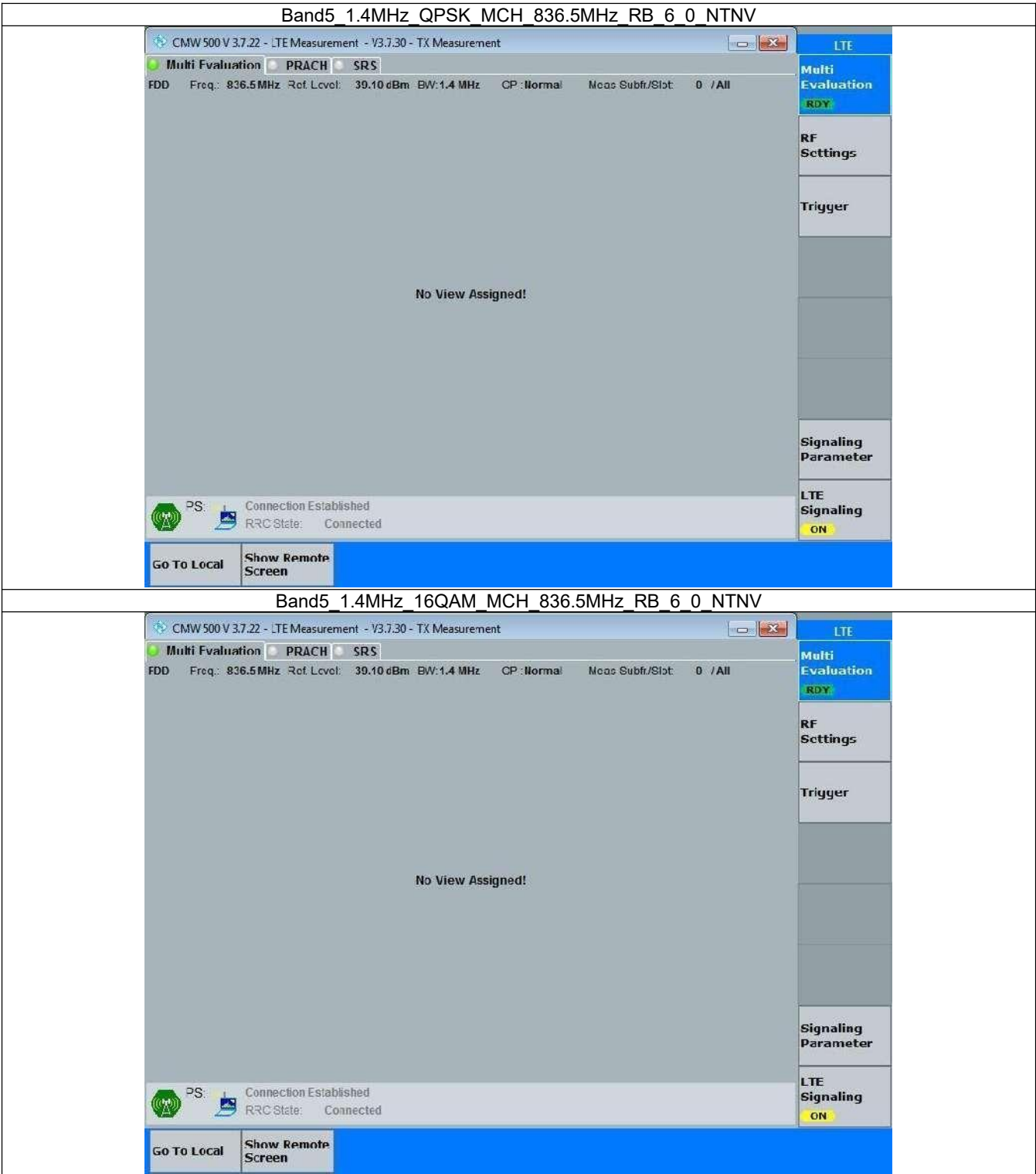
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTVN						
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

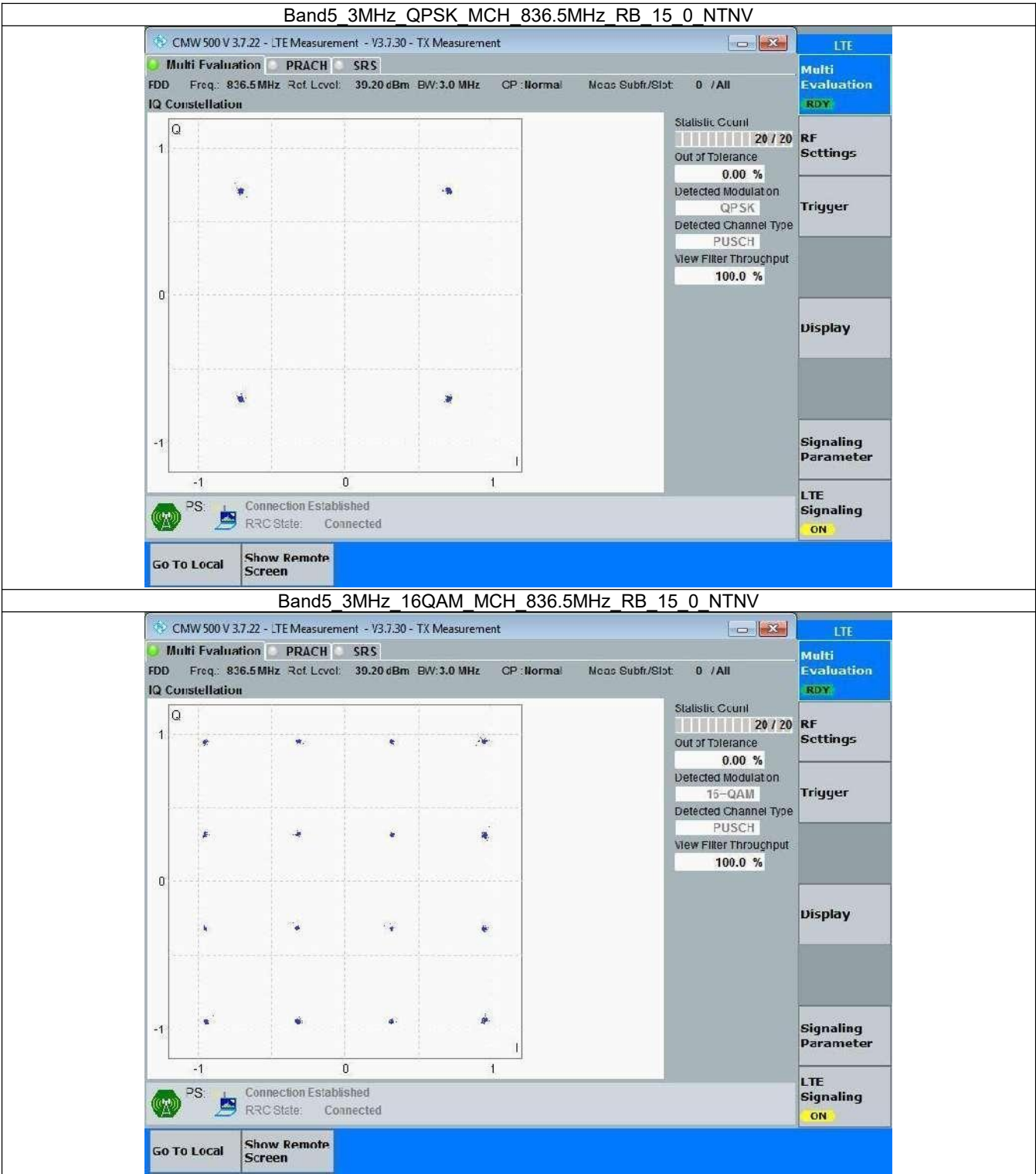


3.2 B5_3MHz

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

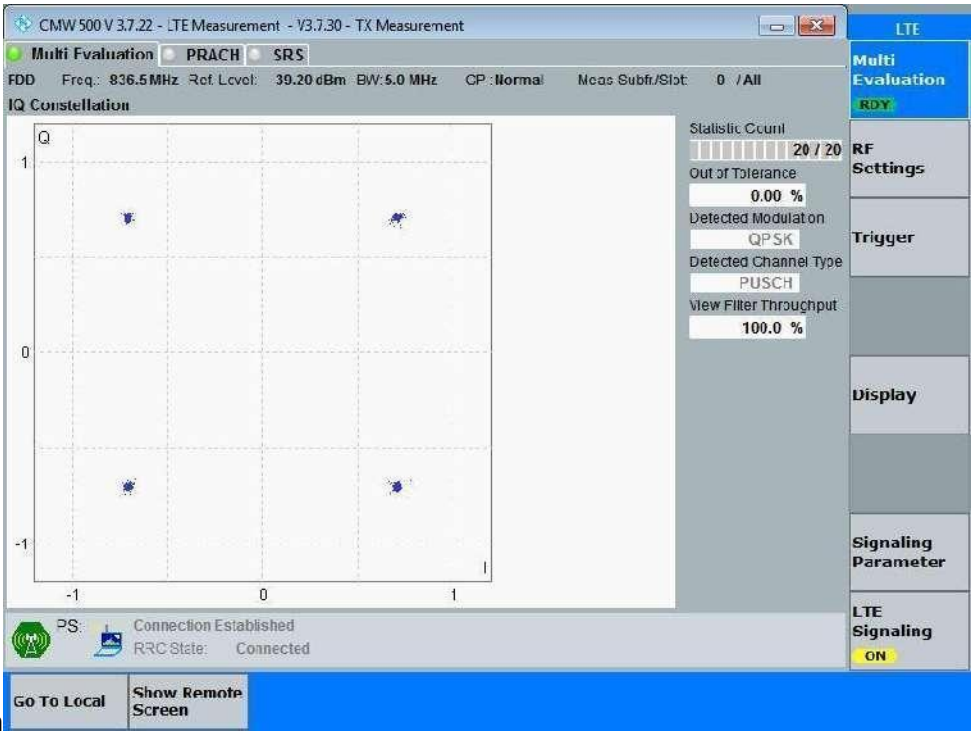
3.2.2 Test Graph



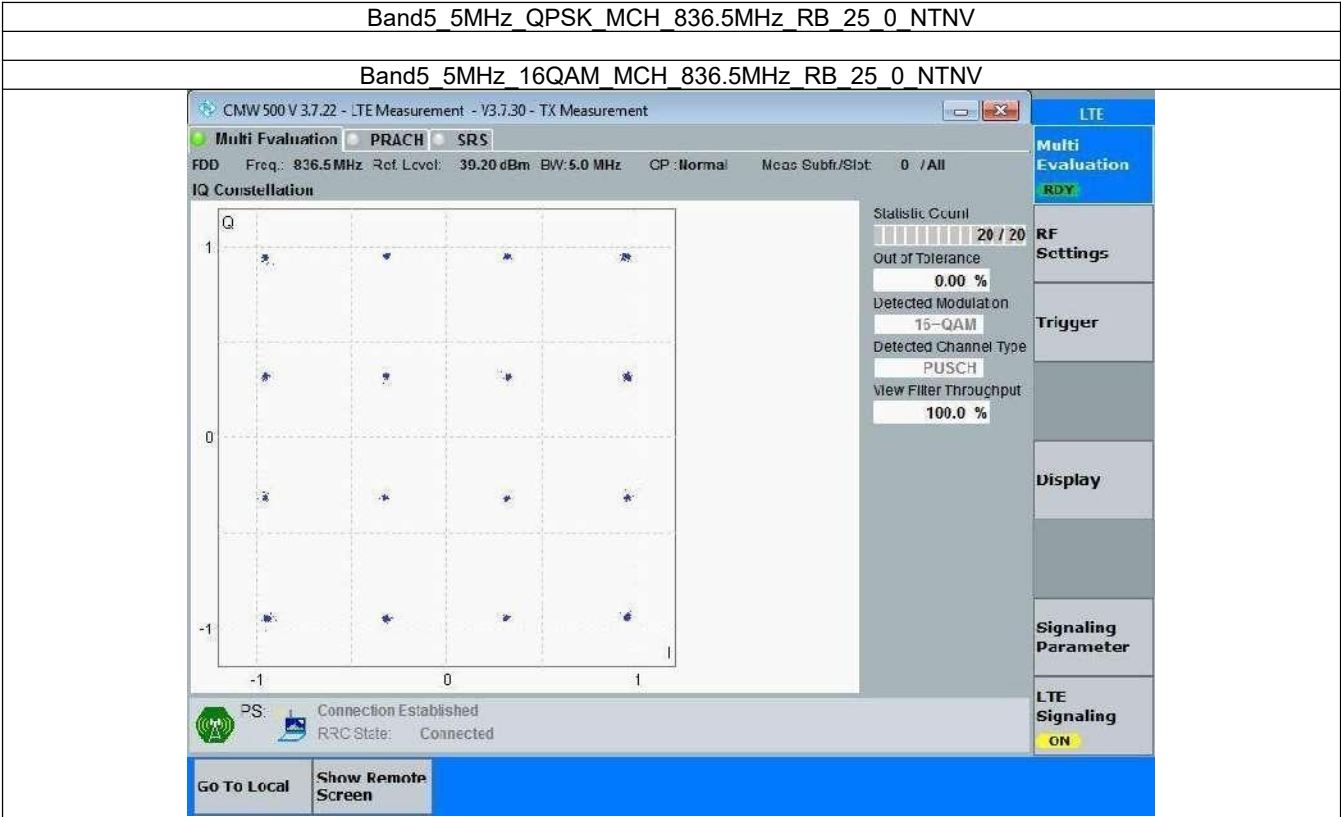
3.3 B5_5MHz

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

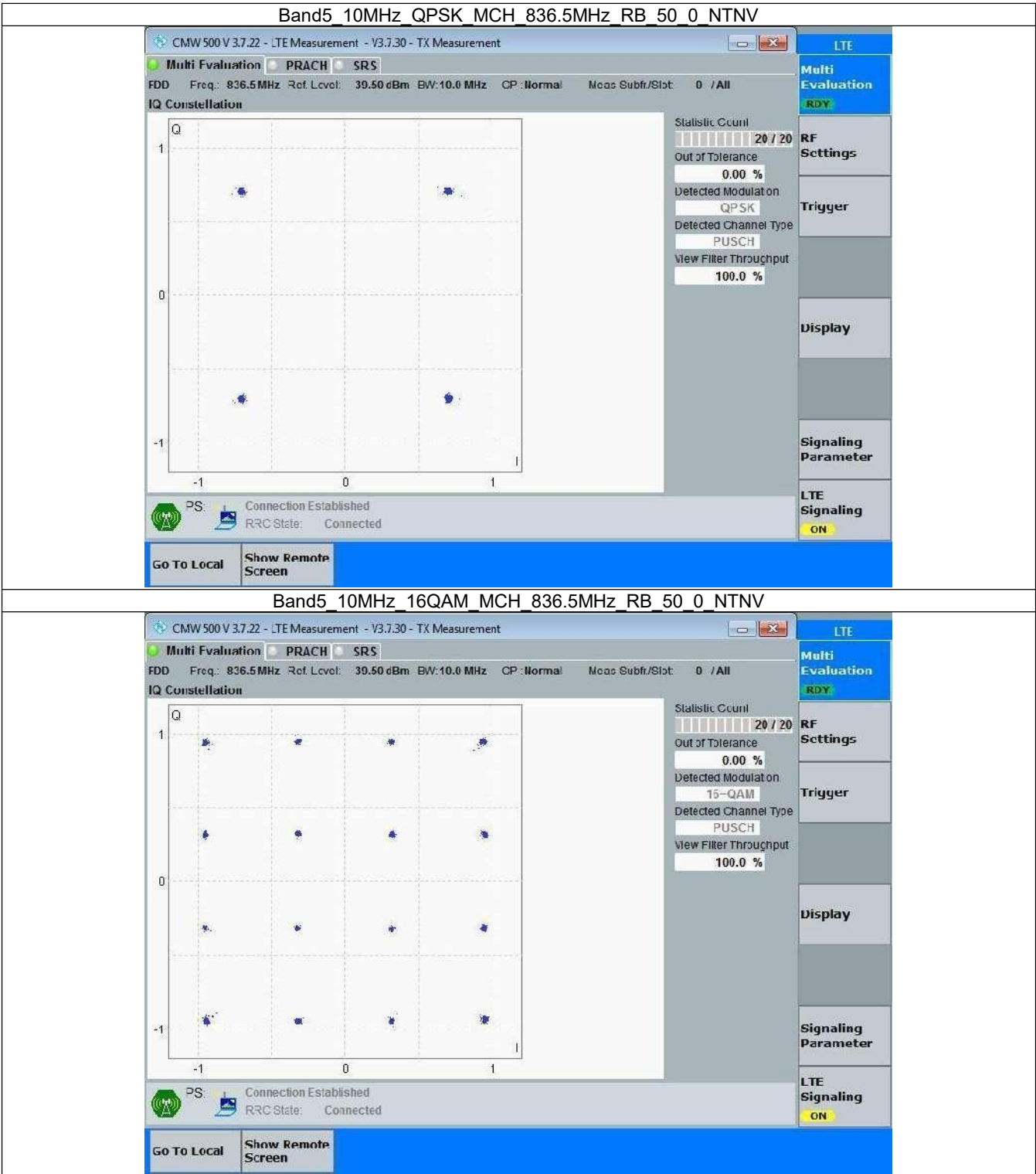


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
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



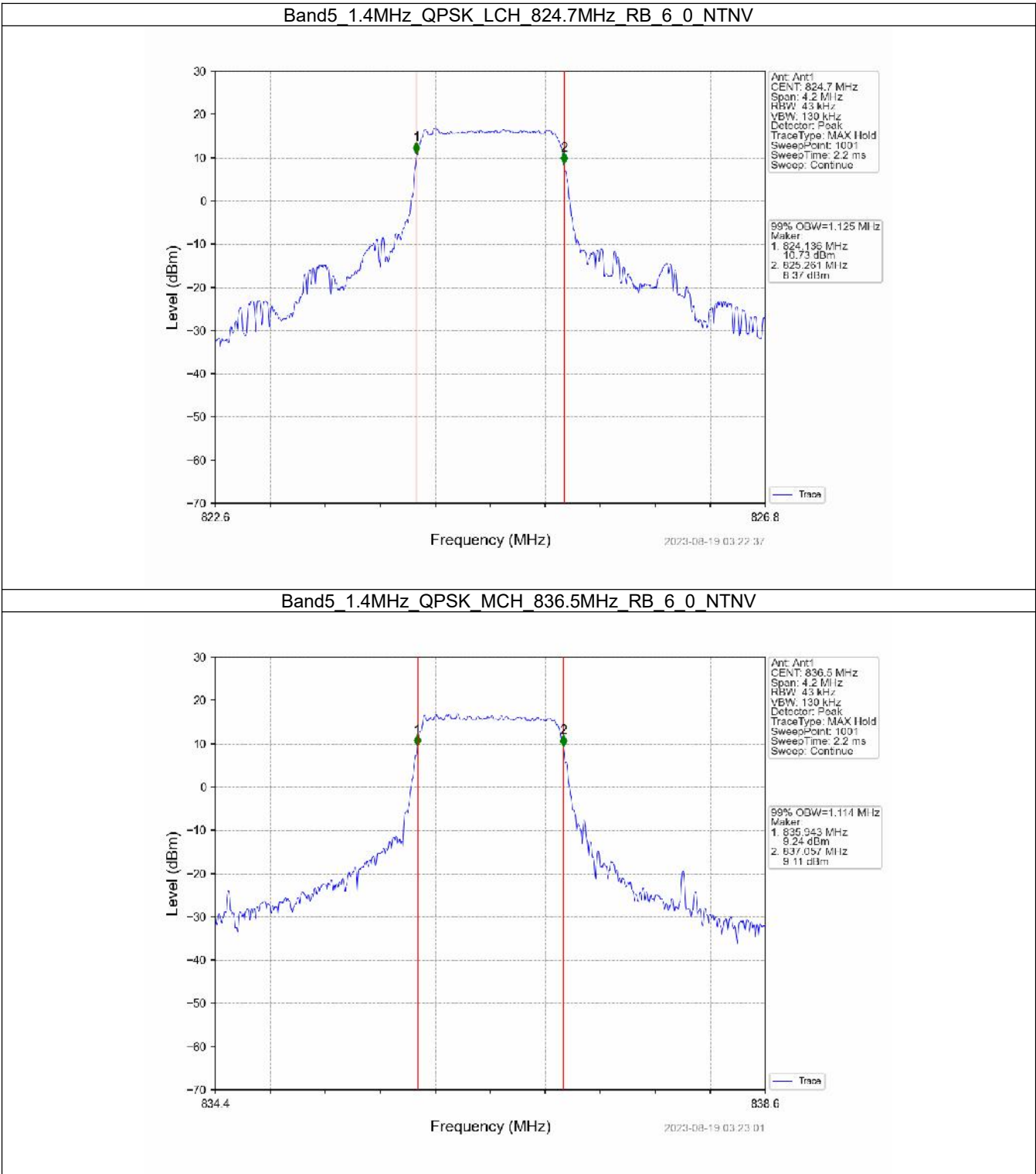
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

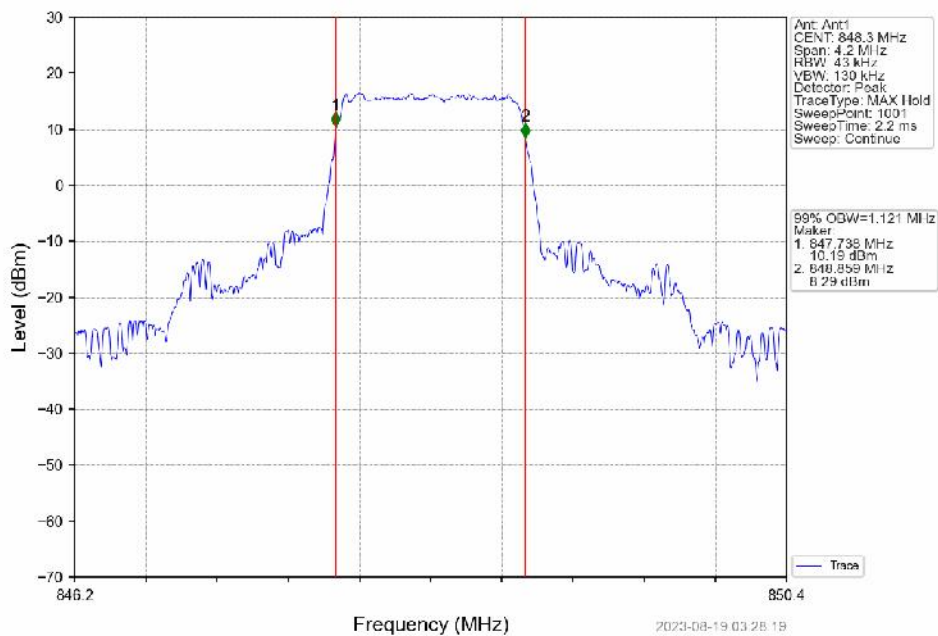
4.1.1 Test Result

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	1.125	Pass
		836.5	6	0	1.114	Pass
		848.3	6	0	1.121	Pass
	16QAM	824.7	6	0	1.124	Pass
		836.5	6	0	1.122	Pass
		848.3	6	0	1.127	Pass
3	QPSK	825.5	15	0	2.769	Pass
		836.5	15	0	2.763	Pass
		847.5	15	0	2.778	Pass
	16QAM	825.5	15	0	2.770	Pass
		836.5	15	0	2.768	Pass
		847.5	15	0	2.772	Pass
5	QPSK	826.5	25	0	4.553	Pass
		836.5	25	0	4.569	Pass
		846.5	25	0	4.599	Pass
	16QAM	826.5	25	0	4.598	Pass
		836.5	25	0	4.616	Pass
		846.5	25	0	4.581	Pass
10	QPSK	829	50	0	9.051	Pass
		836.5	50	0	9.083	Pass
		844	50	0	9.067	Pass
	16QAM	829	50	0	9.064	Pass
		836.5	50	0	9.104	Pass
		844	50	0	9.086	Pass

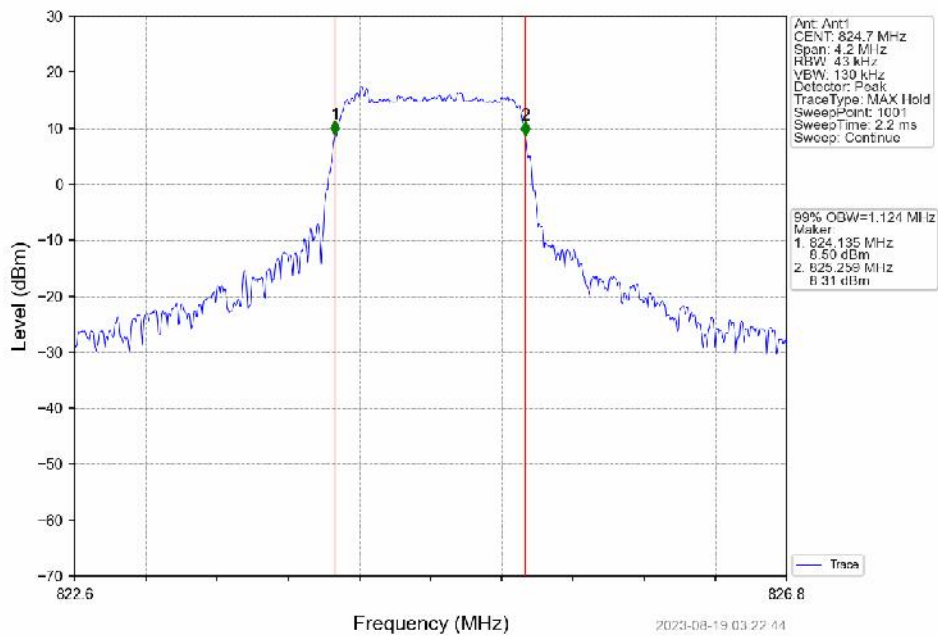
4.1.2 Test Graph



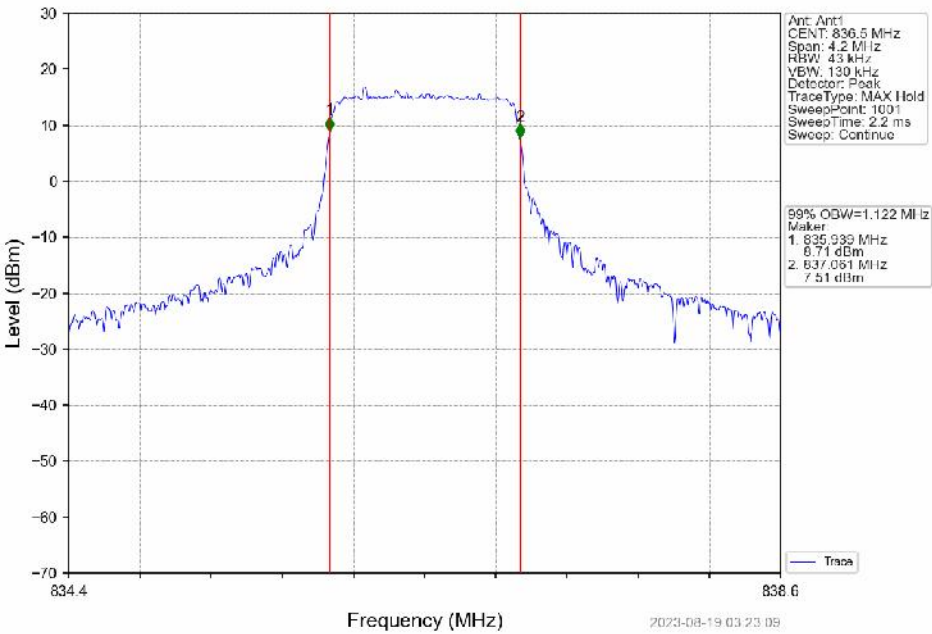
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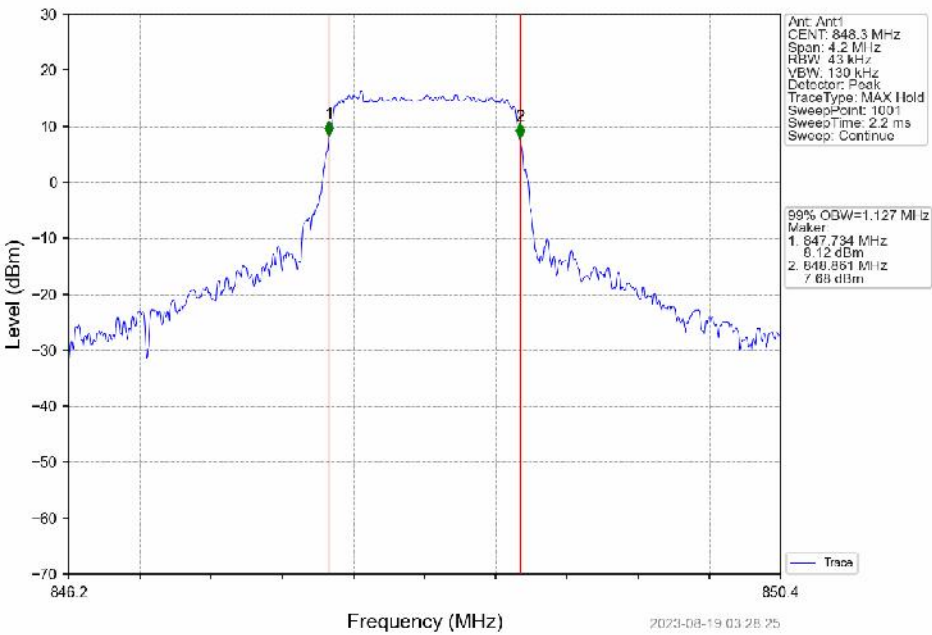
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



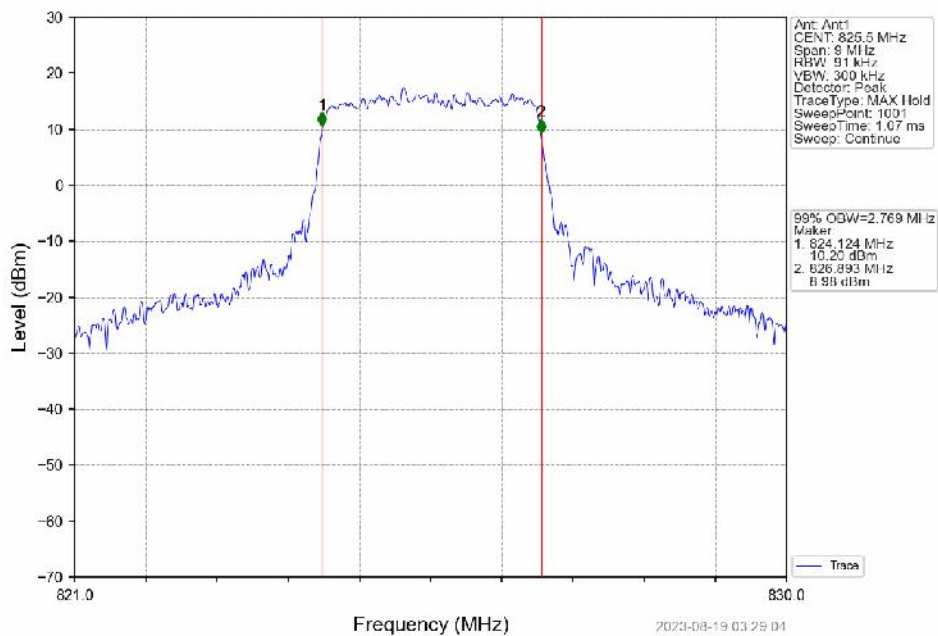
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



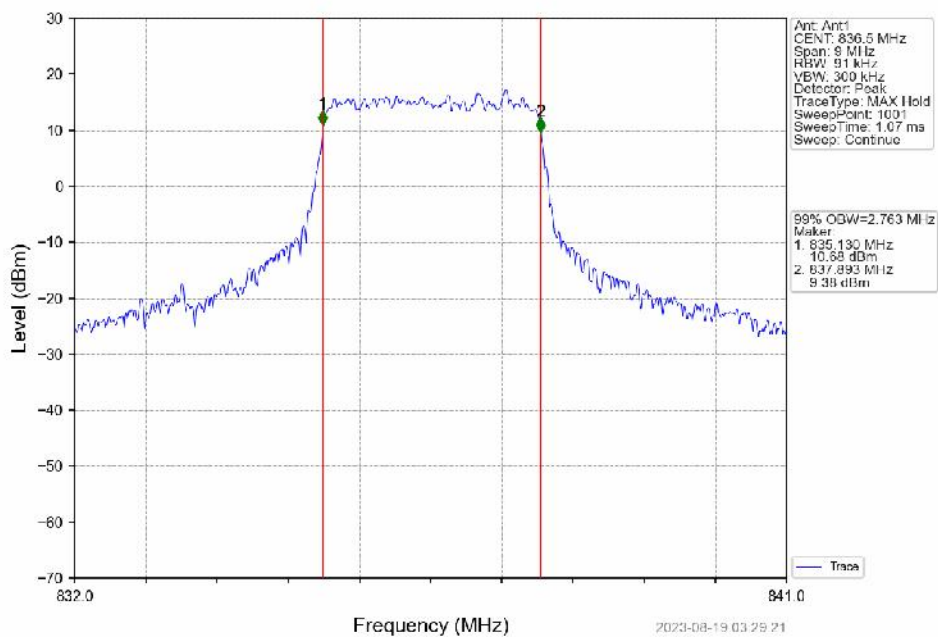
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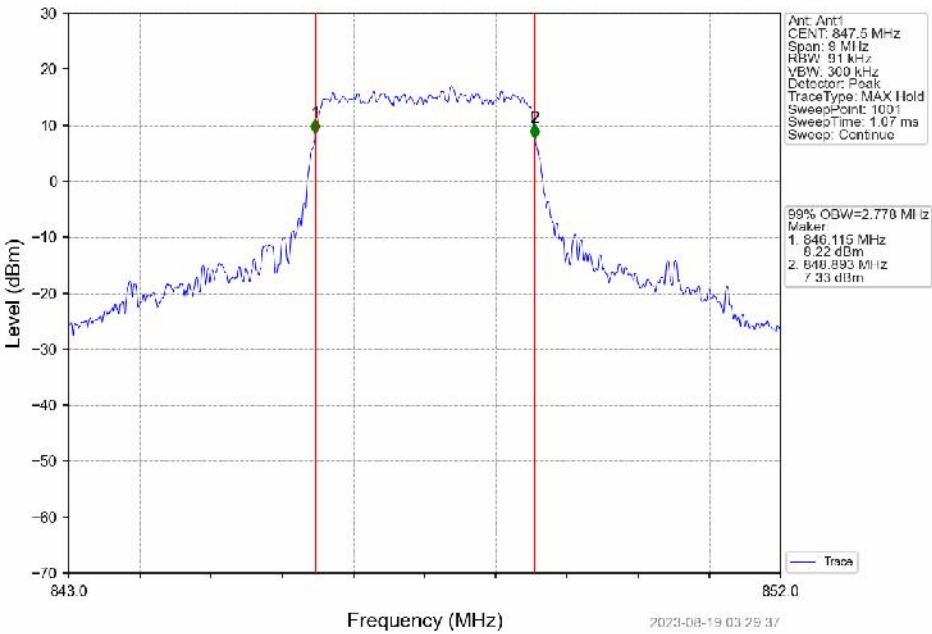
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



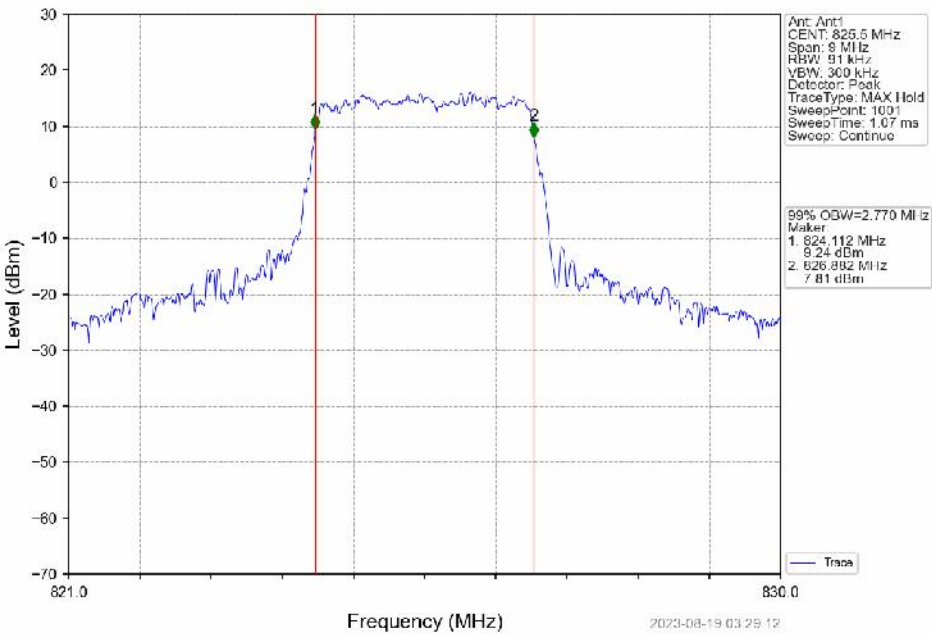
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



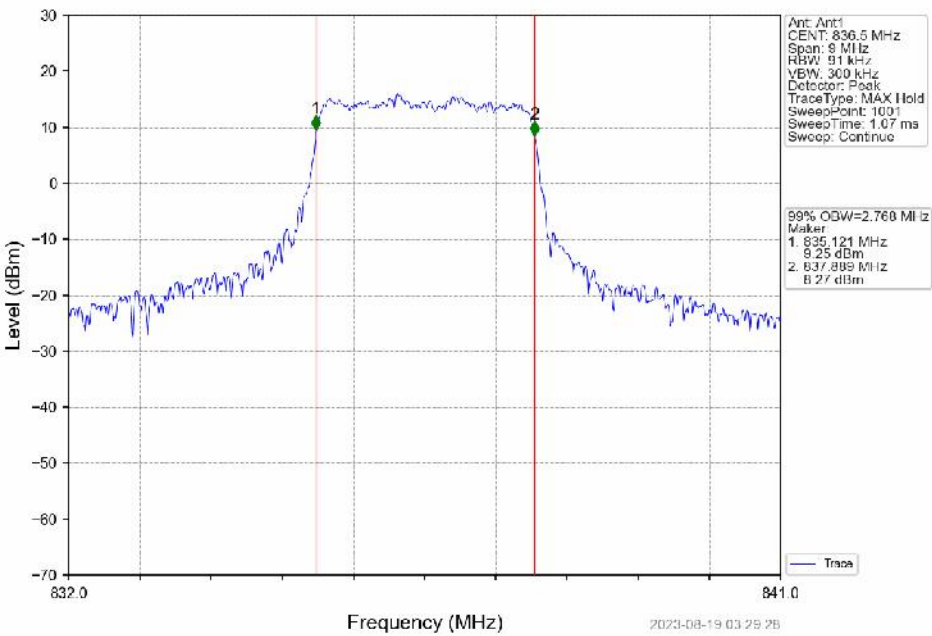
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



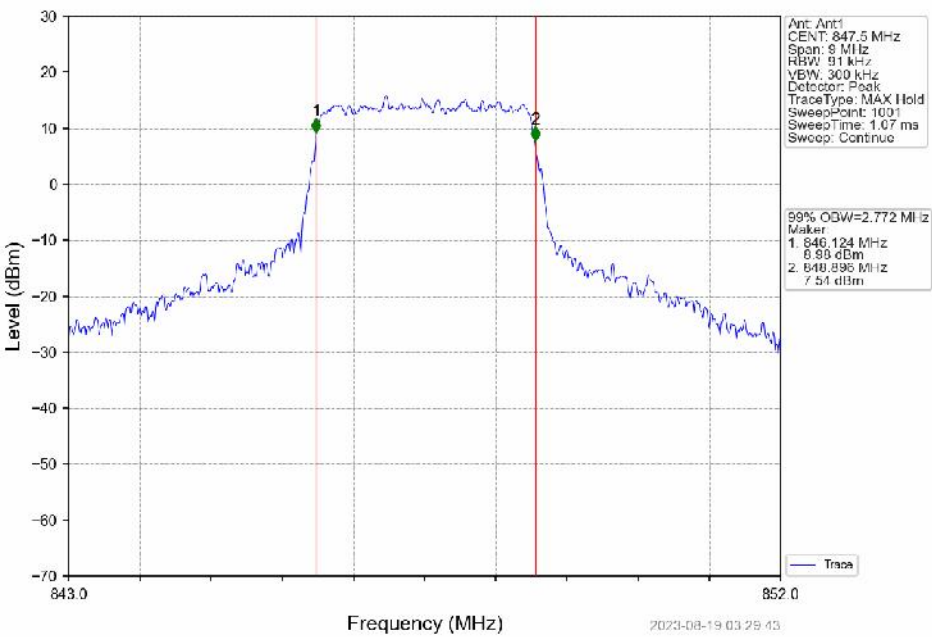
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



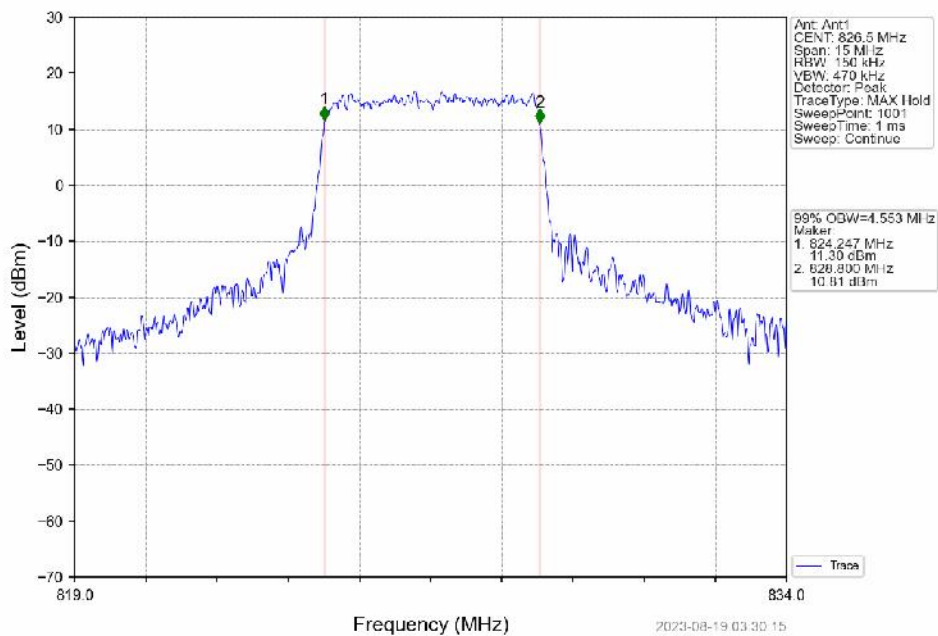
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



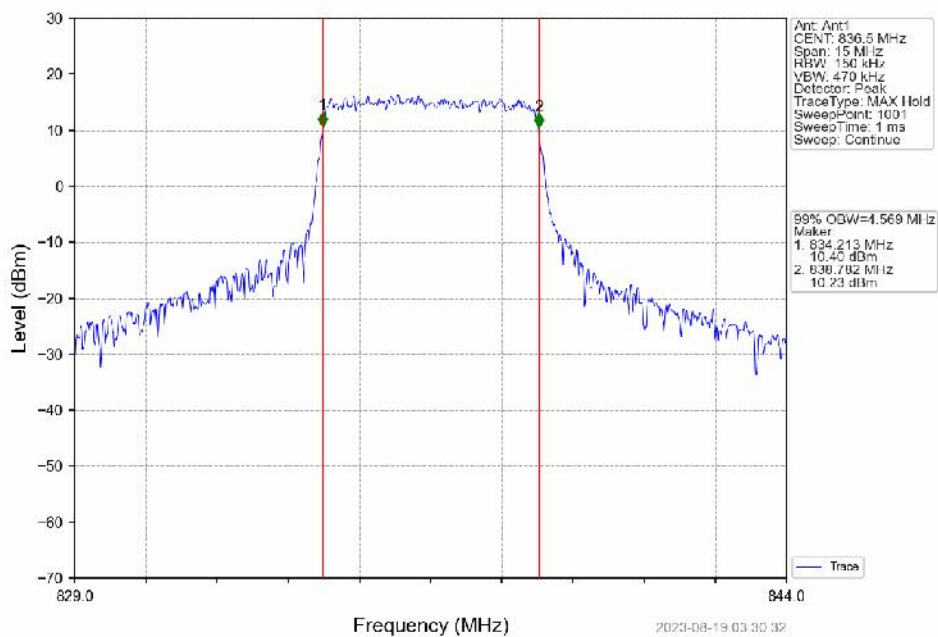
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



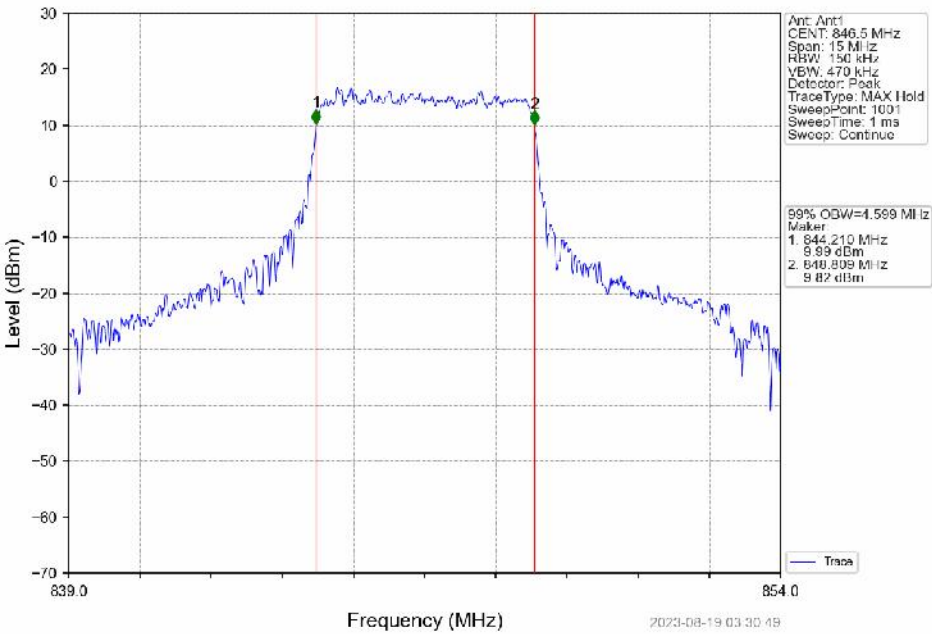
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



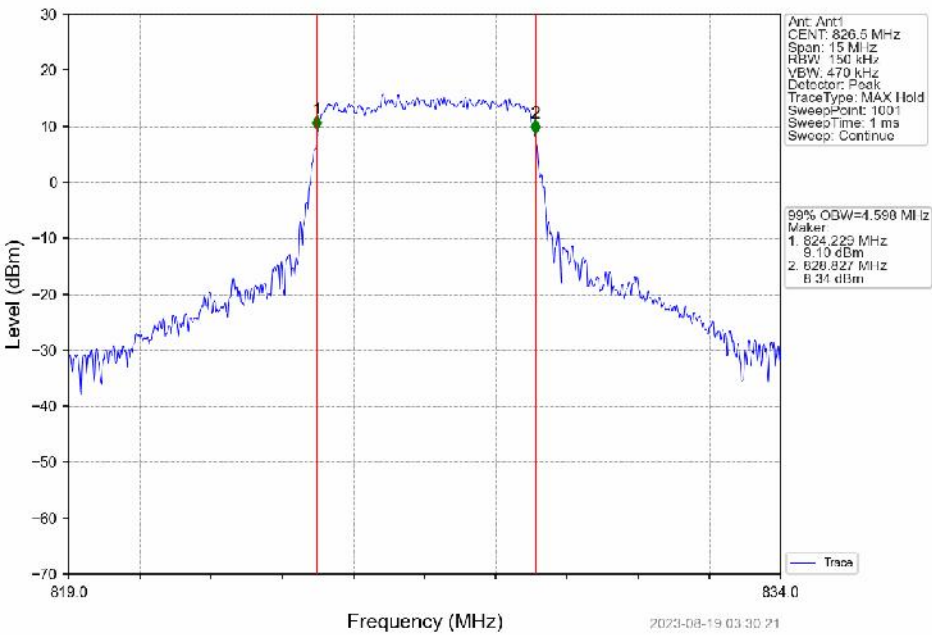
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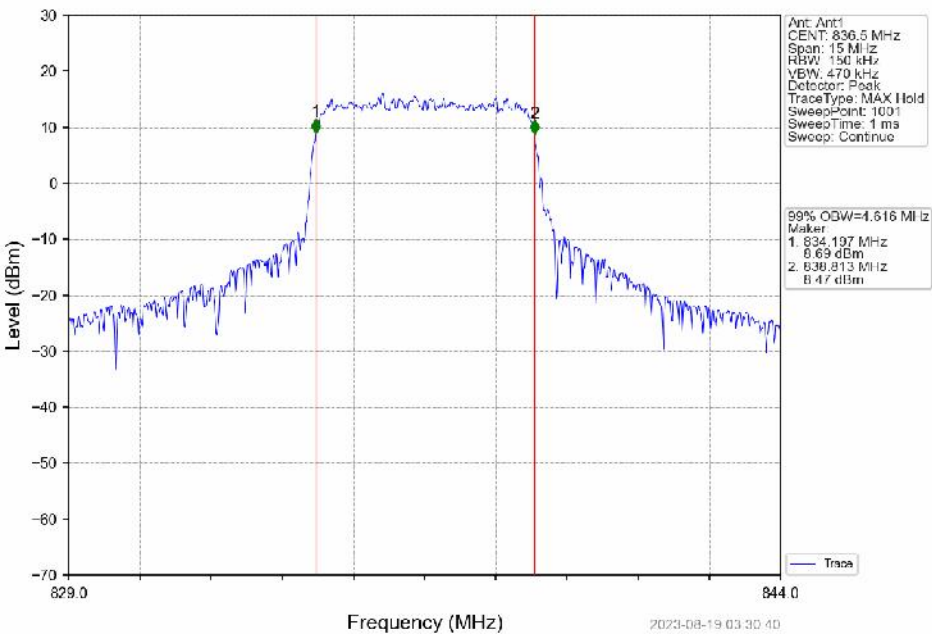
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



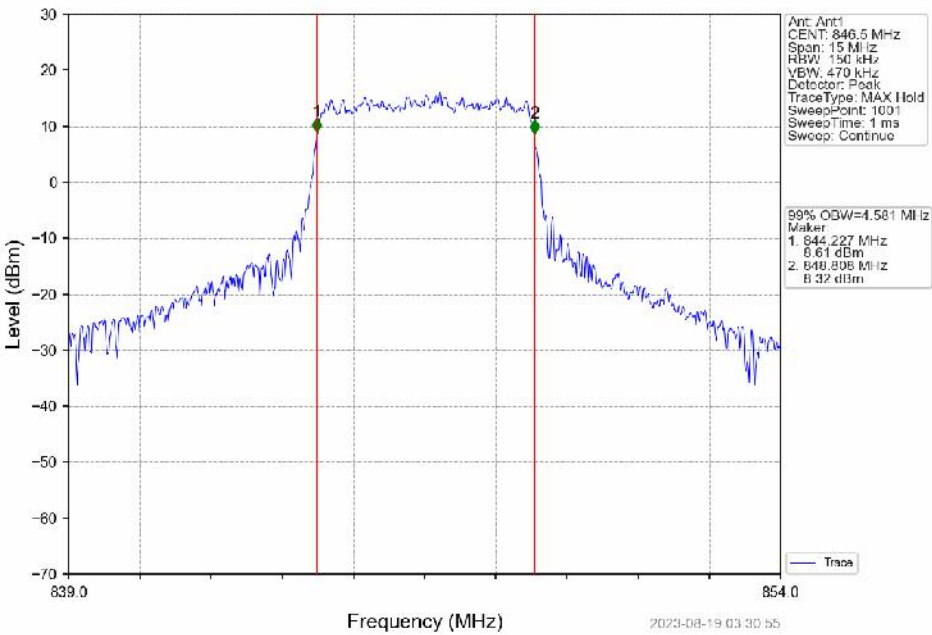
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

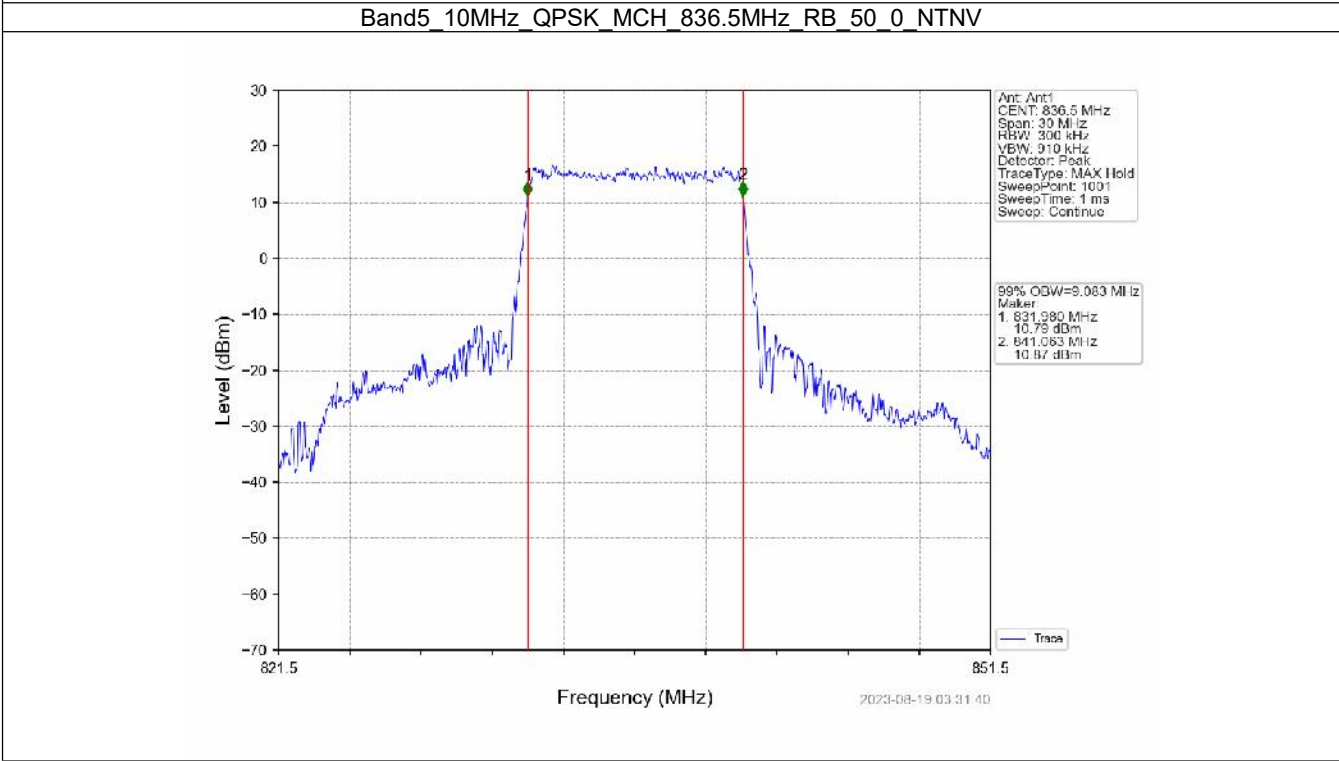
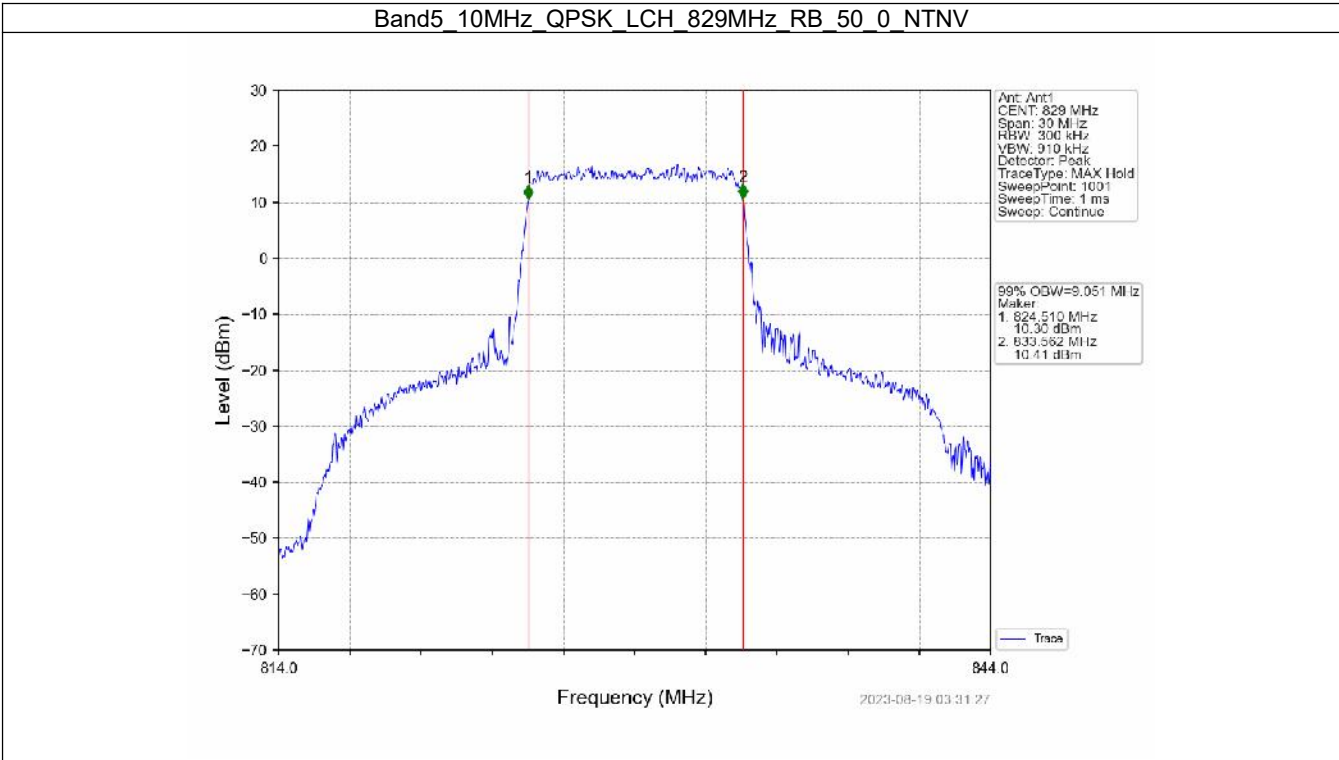


Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

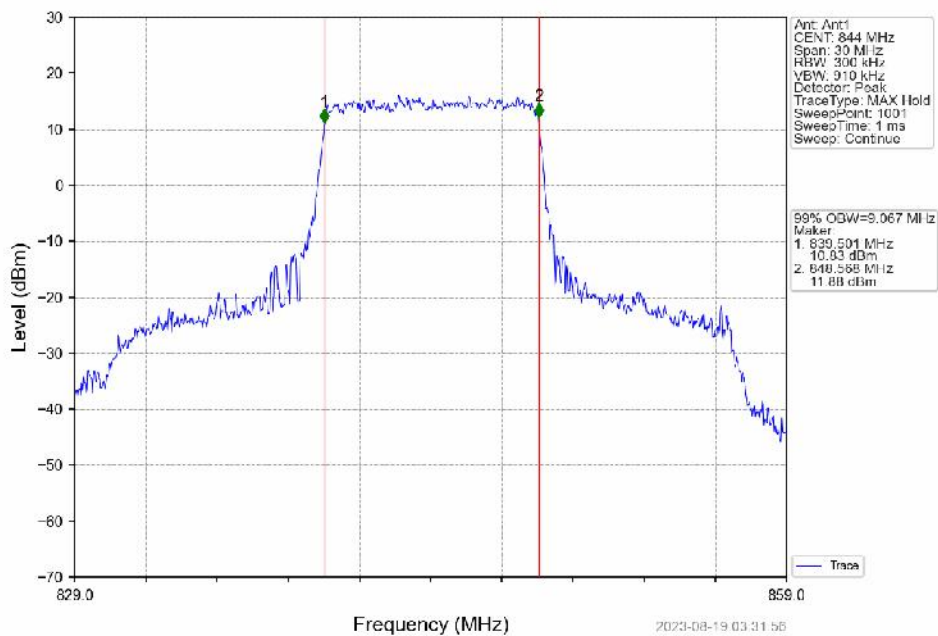


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

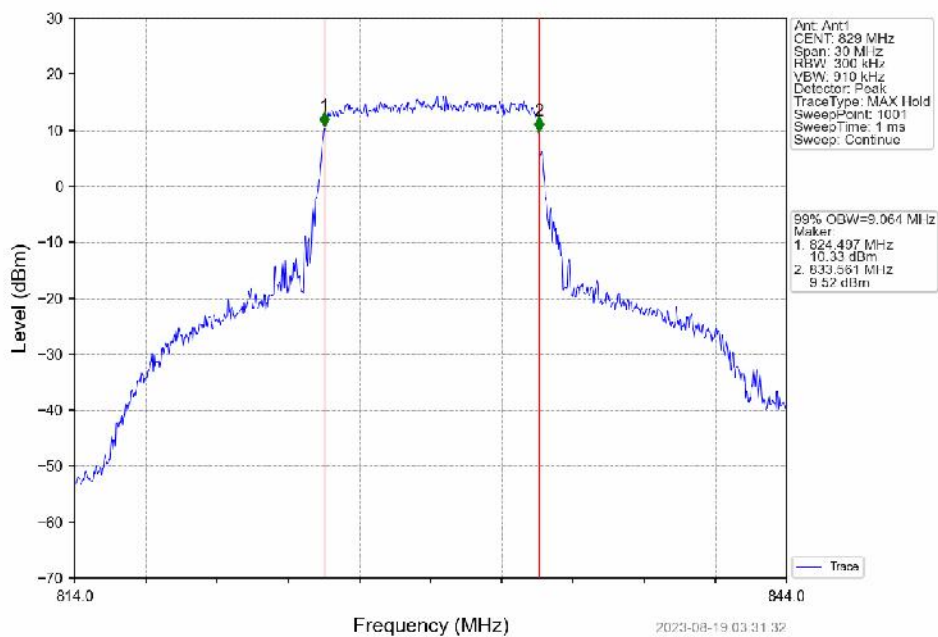




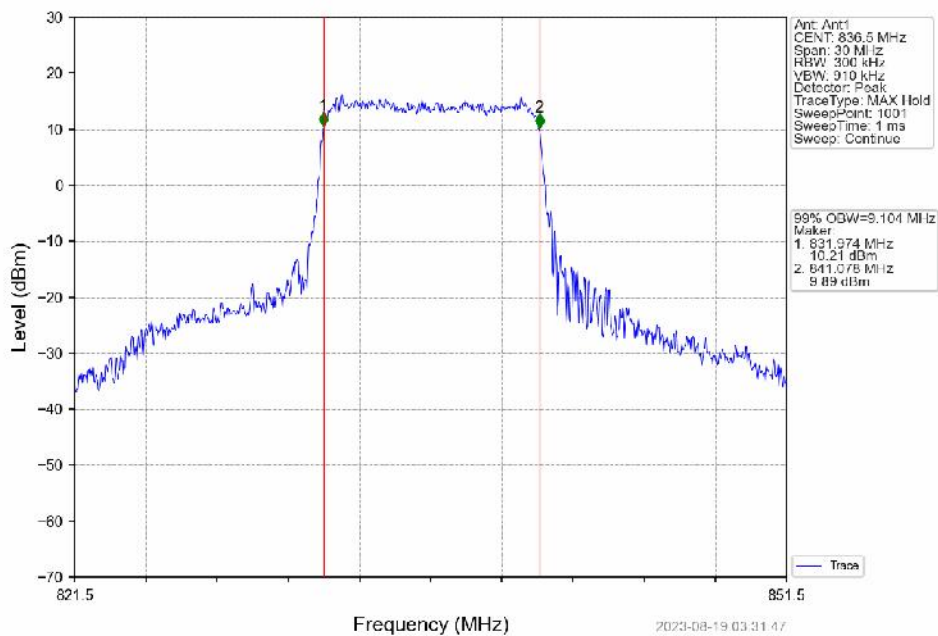
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



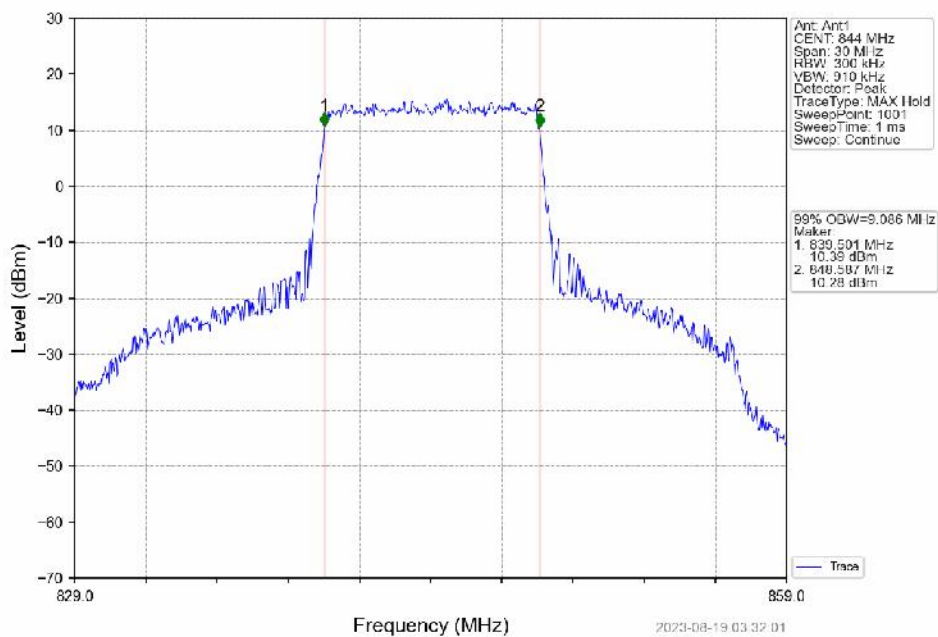
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

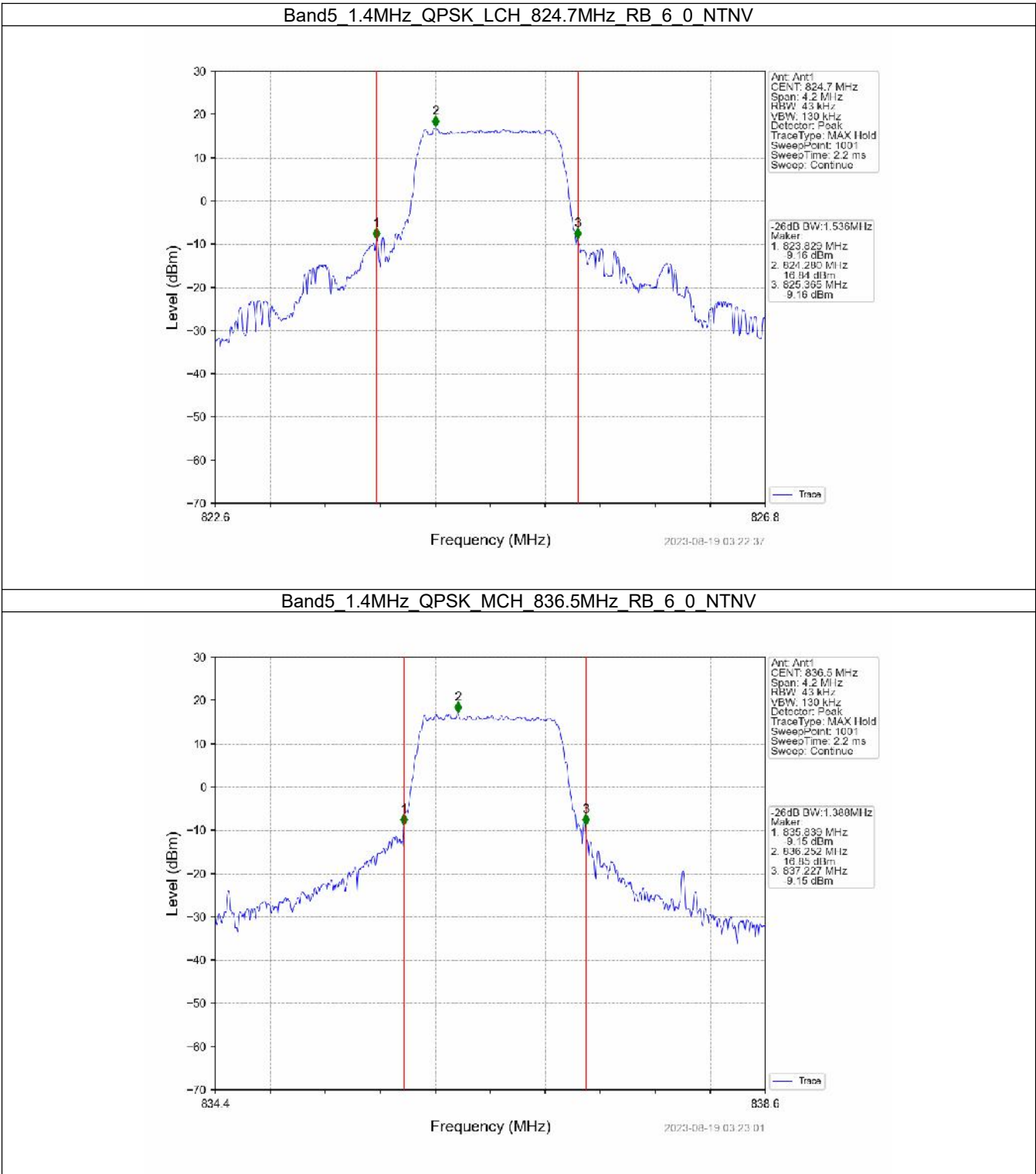


4.2 Band5_XDB

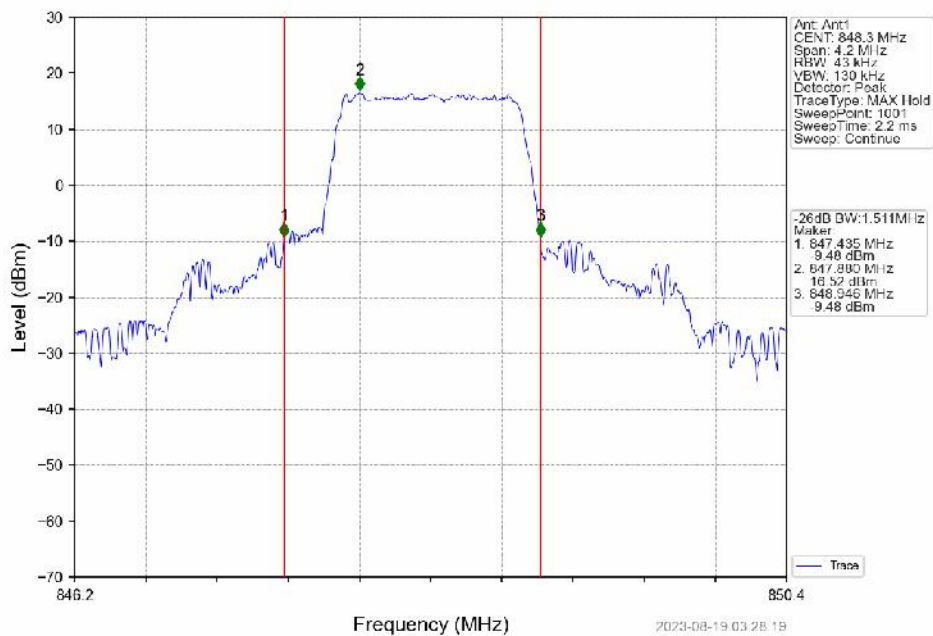
4.2.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.536	Pass
		836.5	6	0	1.388	Pass
		848.3	6	0	1.511	Pass
	16QAM	824.7	6	0	1.377	Pass
		836.5	6	0	1.477	Pass
		848.3	6	0	1.368	Pass
3	QPSK	825.5	15	0	3.465	Pass
		836.5	15	0	3.272	Pass
		847.5	15	0	3.369	Pass
	16QAM	825.5	15	0	3.227	Pass
		836.5	15	0	3.461	Pass
		847.5	15	0	3.319	Pass
5	QPSK	826.5	25	0	5.815	Pass
		836.5	25	0	5.475	Pass
		846.5	25	0	5.591	Pass
	16QAM	826.5	25	0	5.484	Pass
		836.5	25	0	5.709	Pass
		846.5	25	0	5.647	Pass
10	QPSK	829	50	0	10.266	Pass
		836.5	50	0	10.294	Pass
		844	50	0	10.375	Pass
	16QAM	829	50	0	10.704	Pass
		836.5	50	0	10.308	Pass
		844	50	0	10.549	Pass

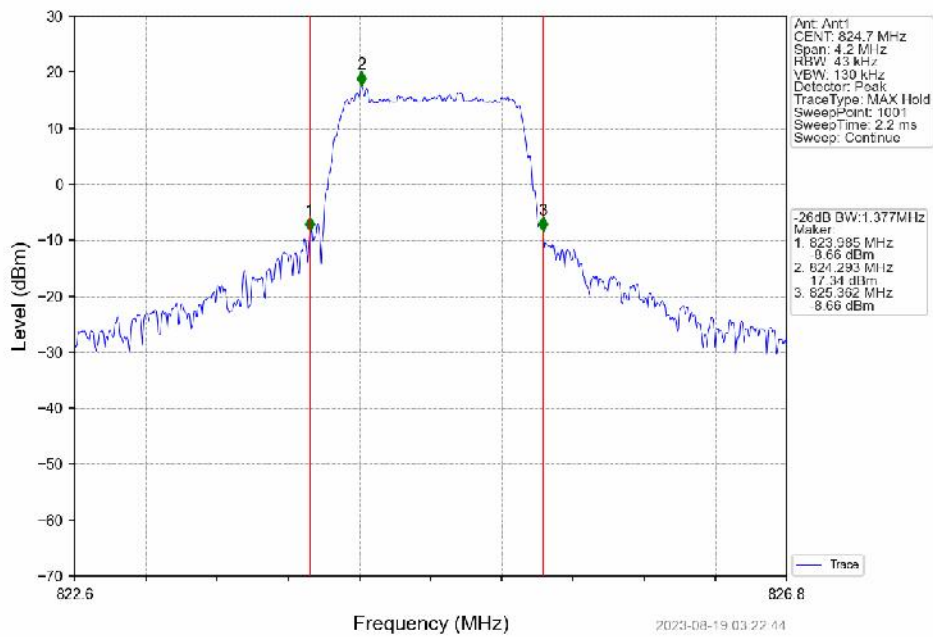
4.2.2 Test Graph

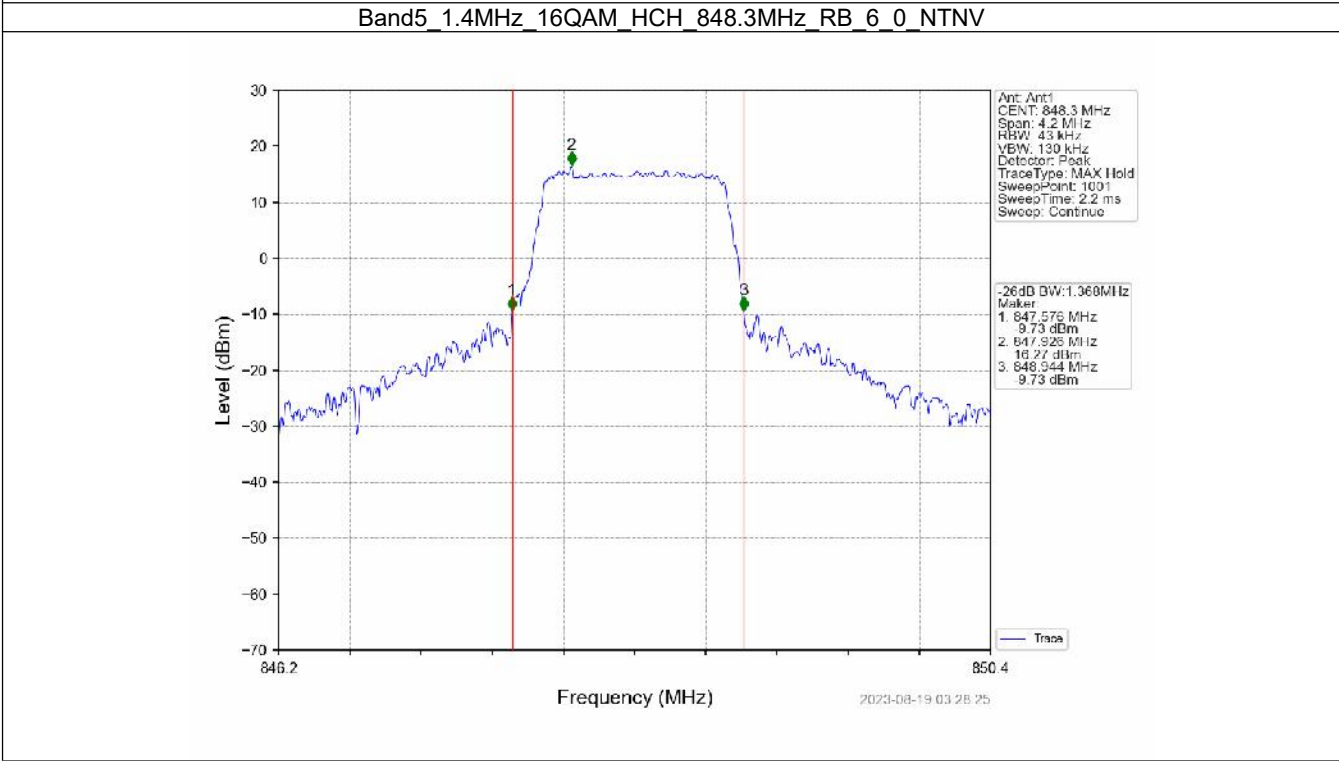
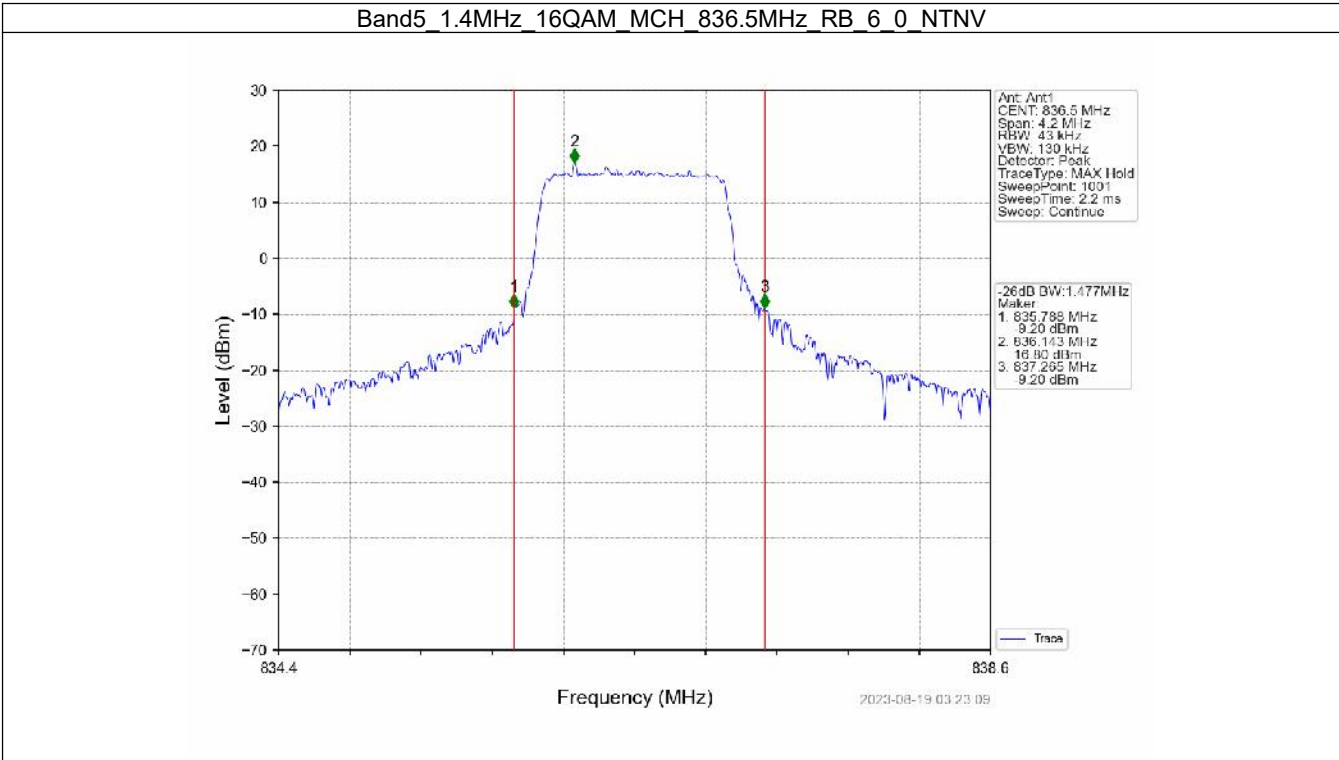


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV

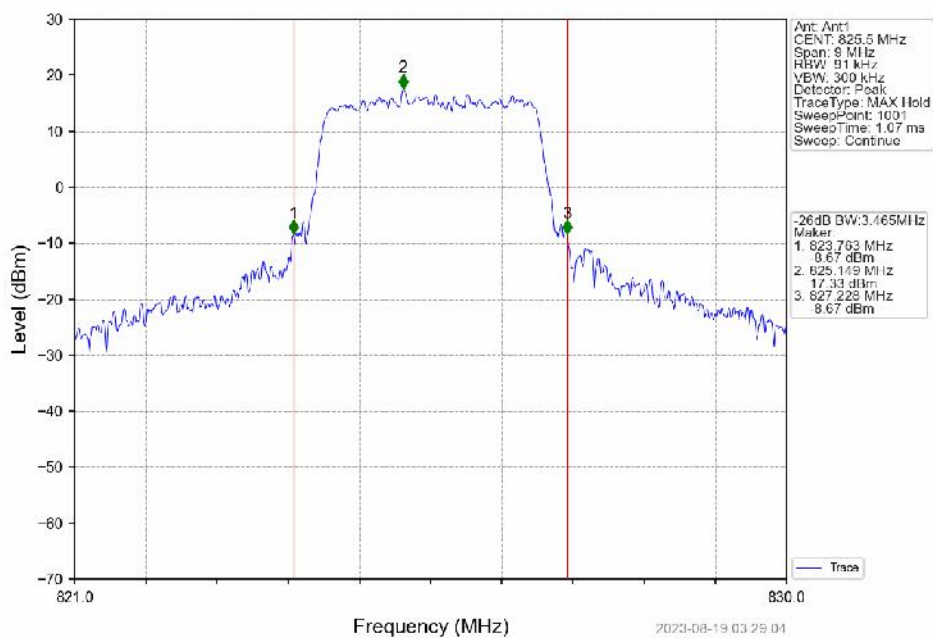


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

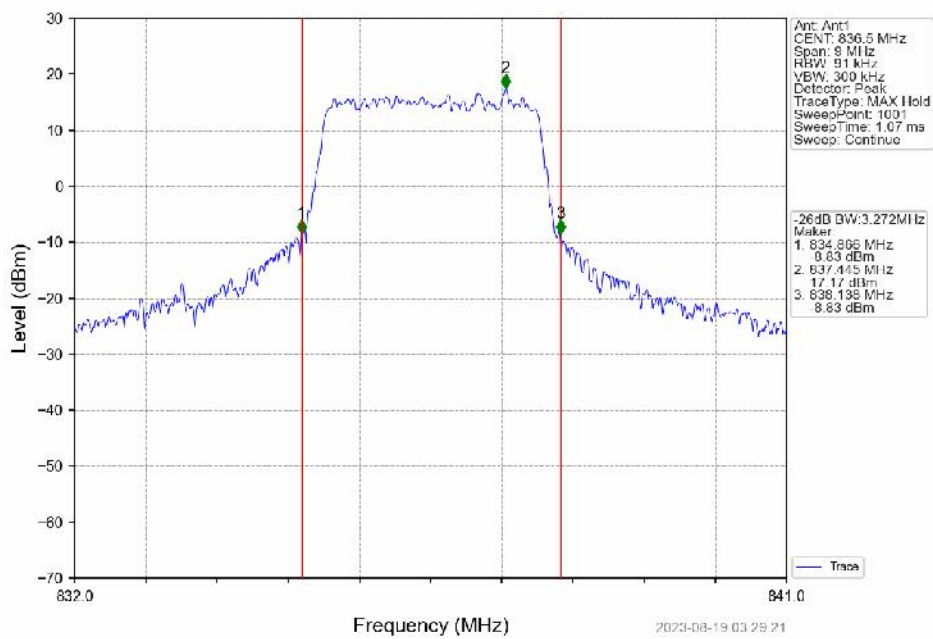




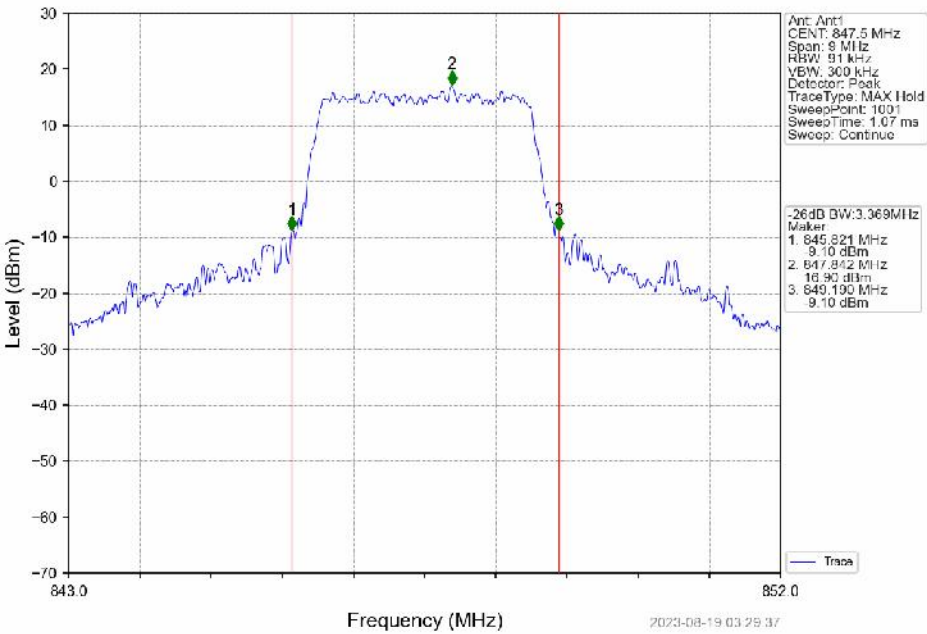
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



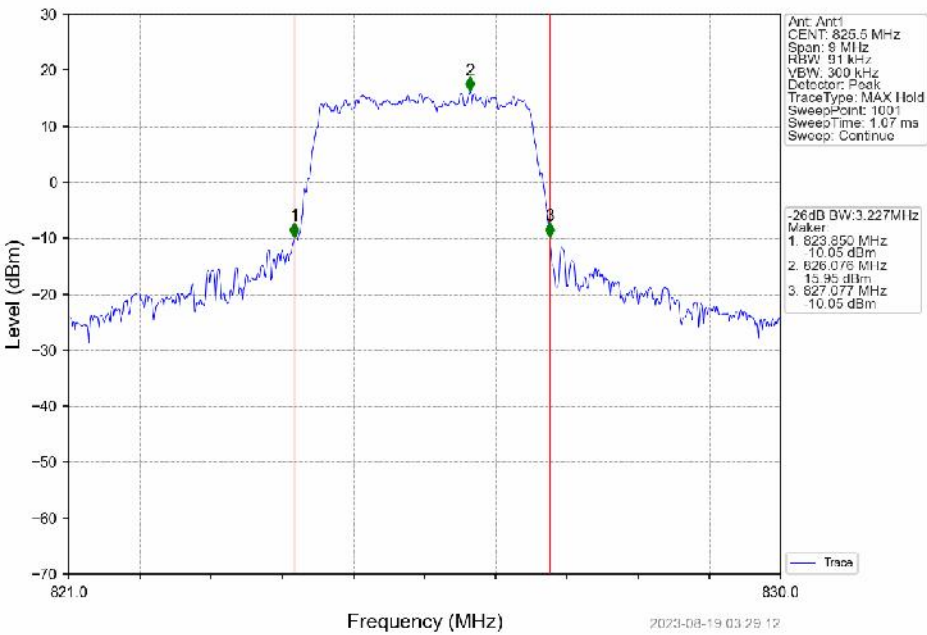
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



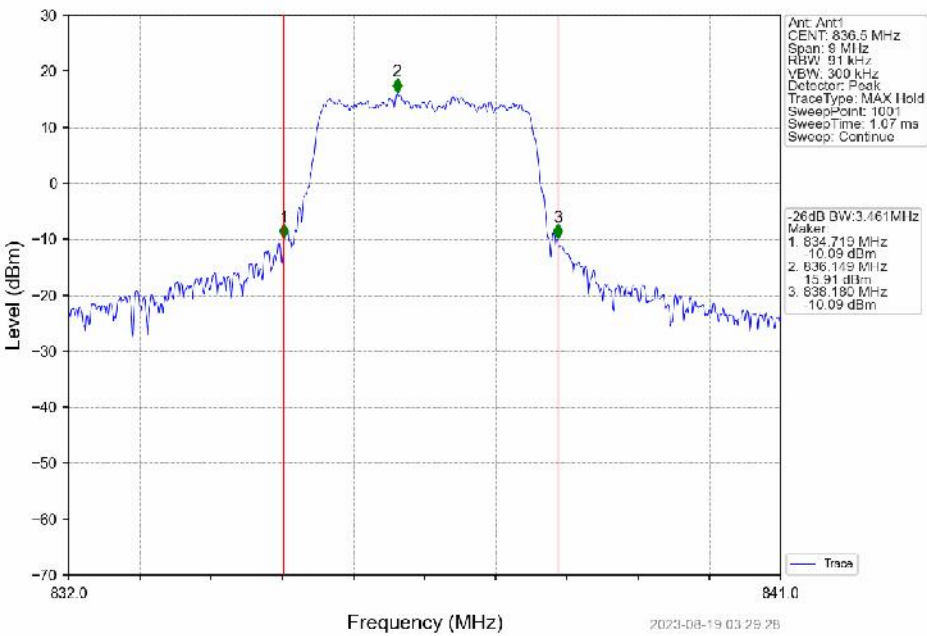
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



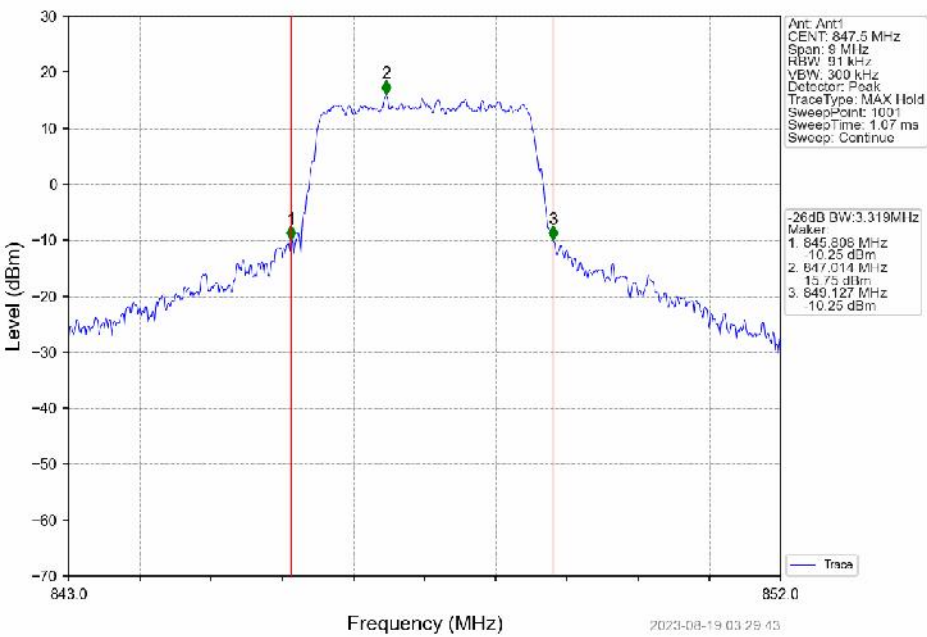
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



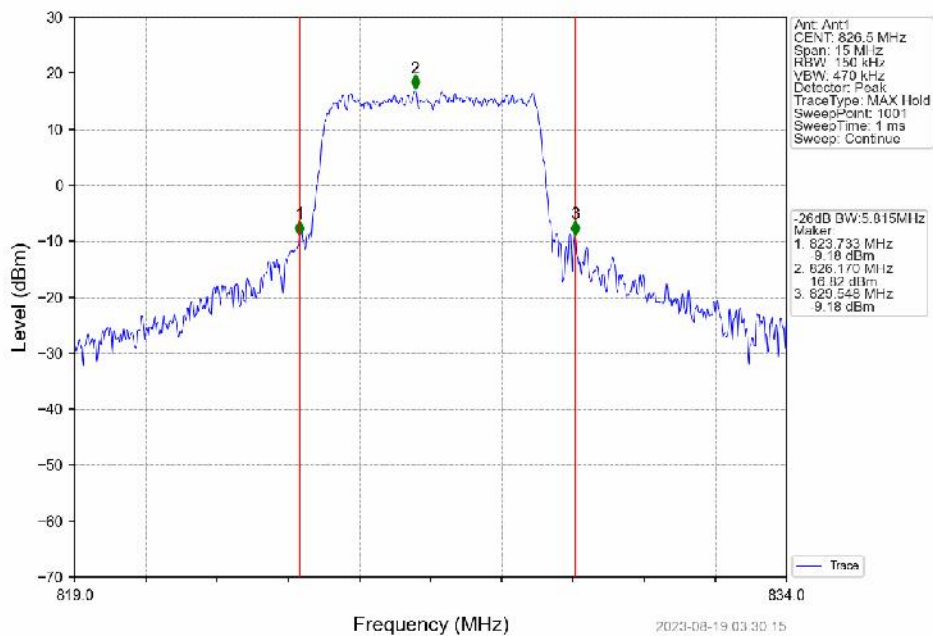
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



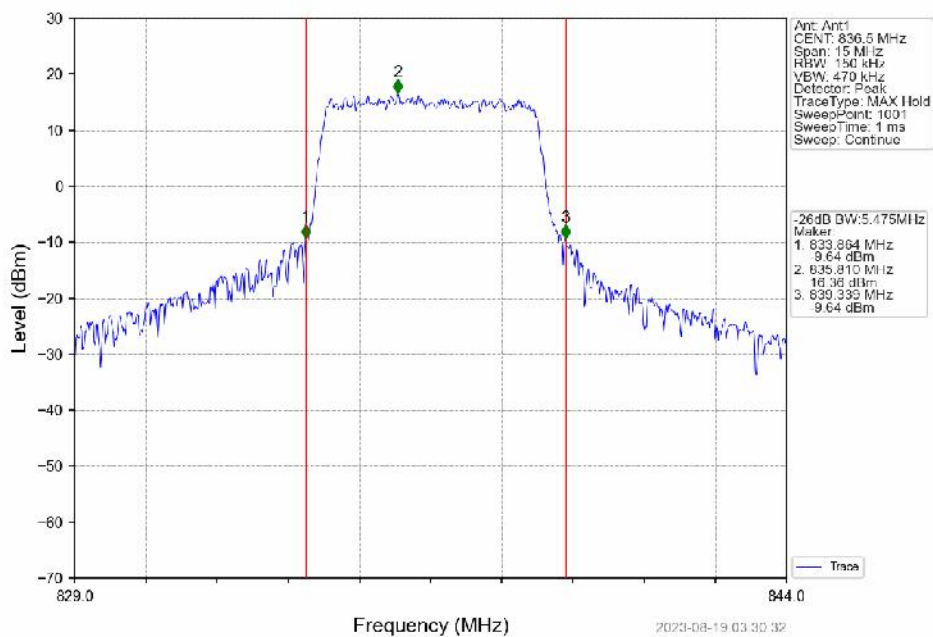
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



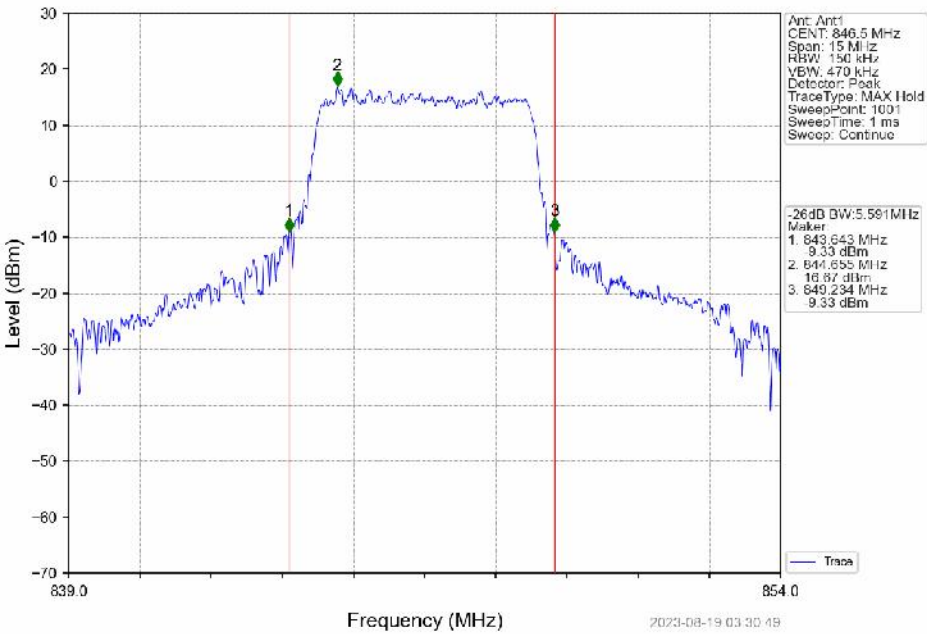
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



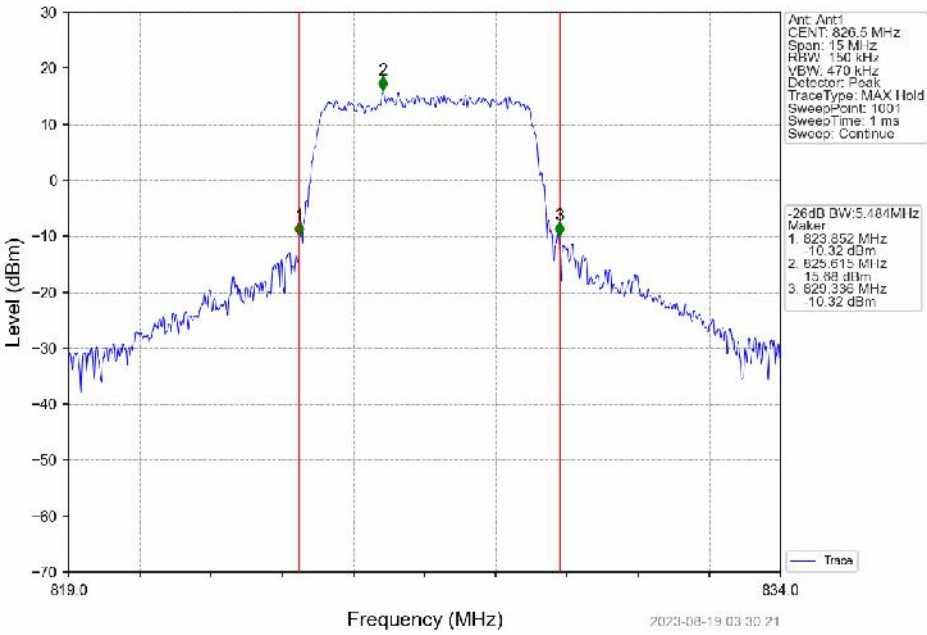
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



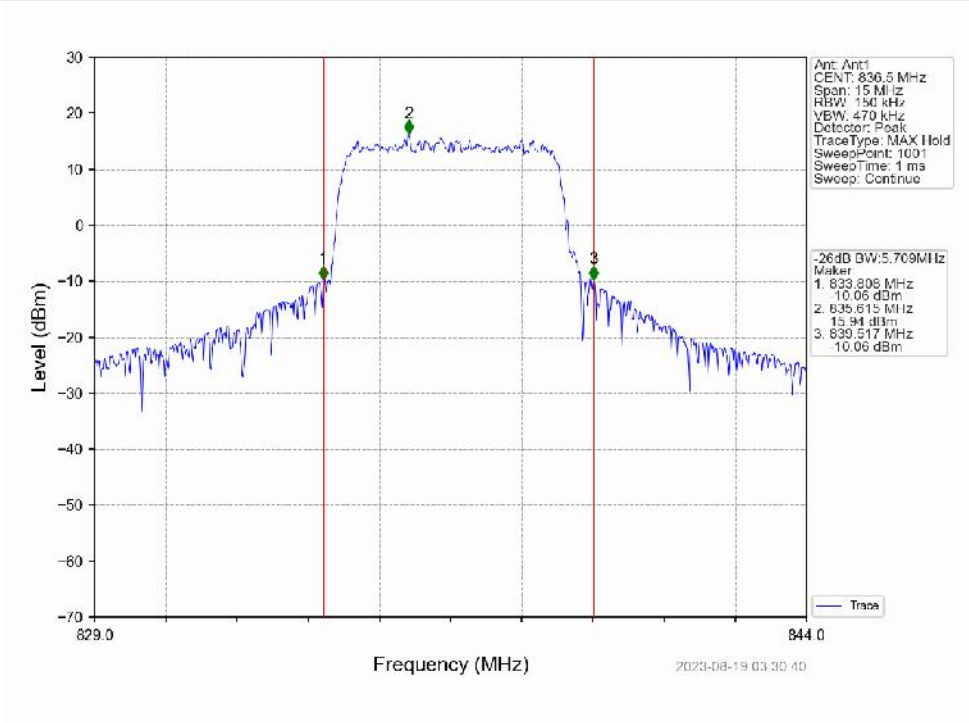
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



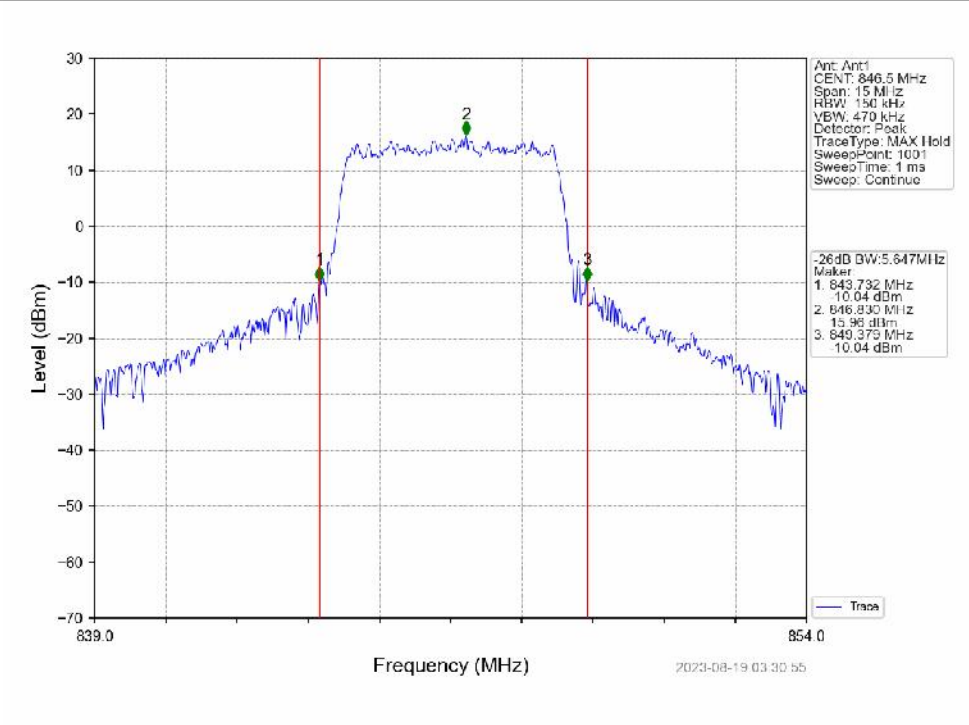
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



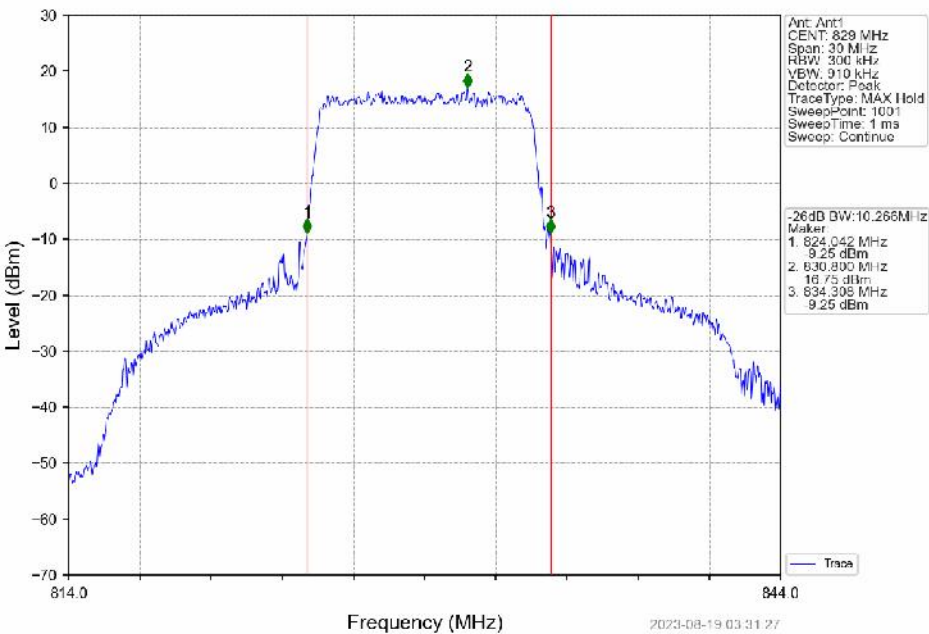
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



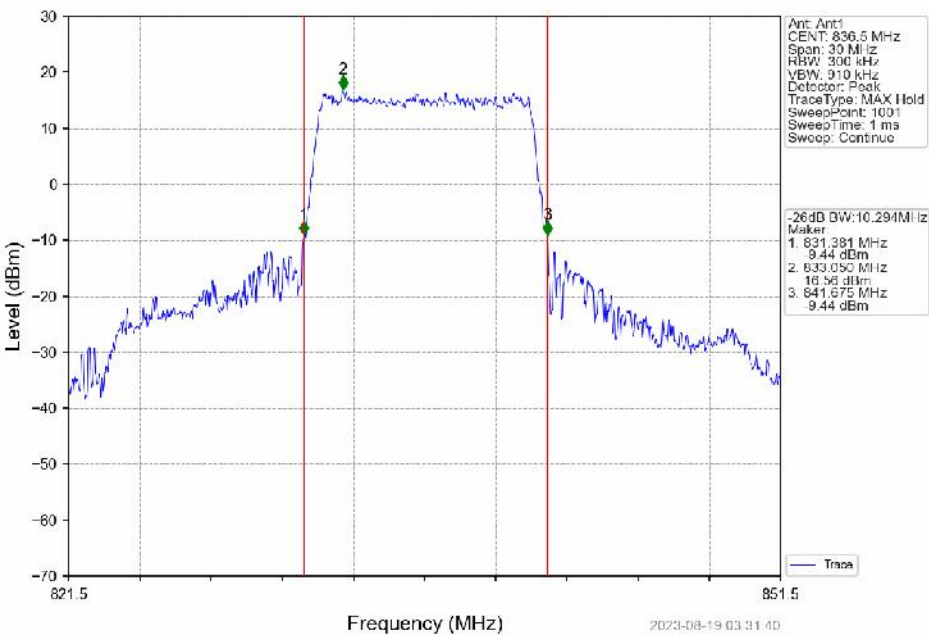
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



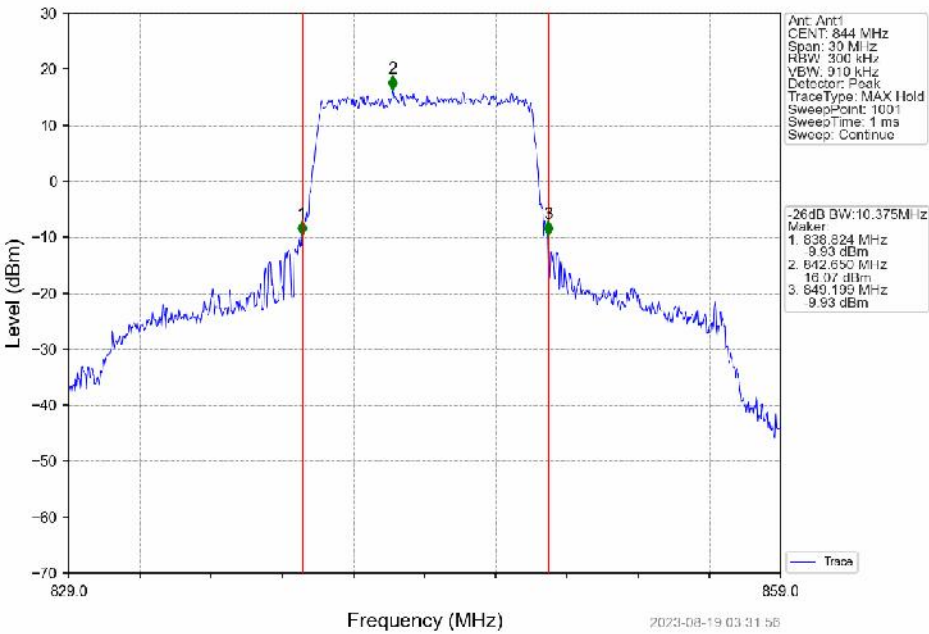
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



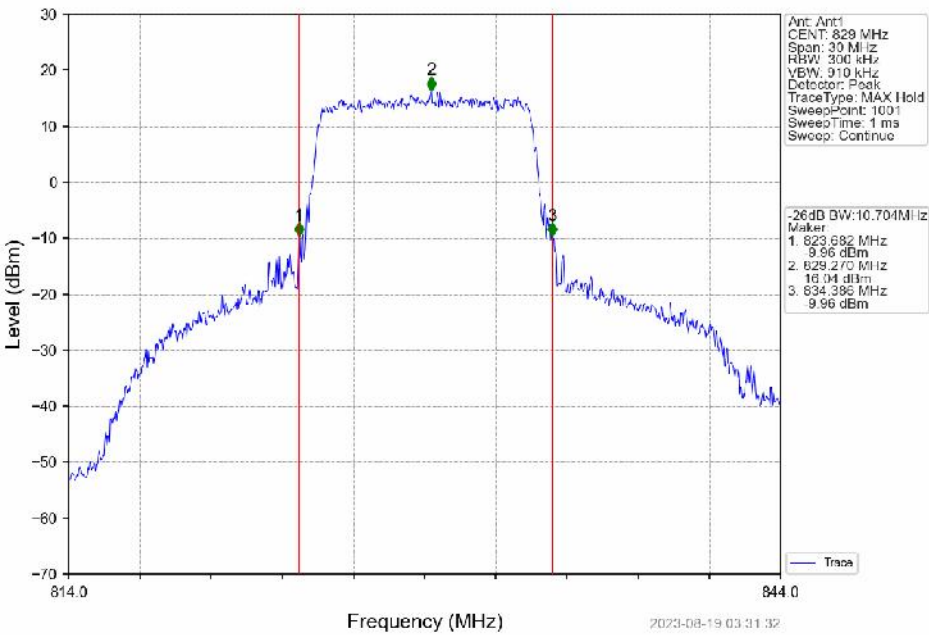
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



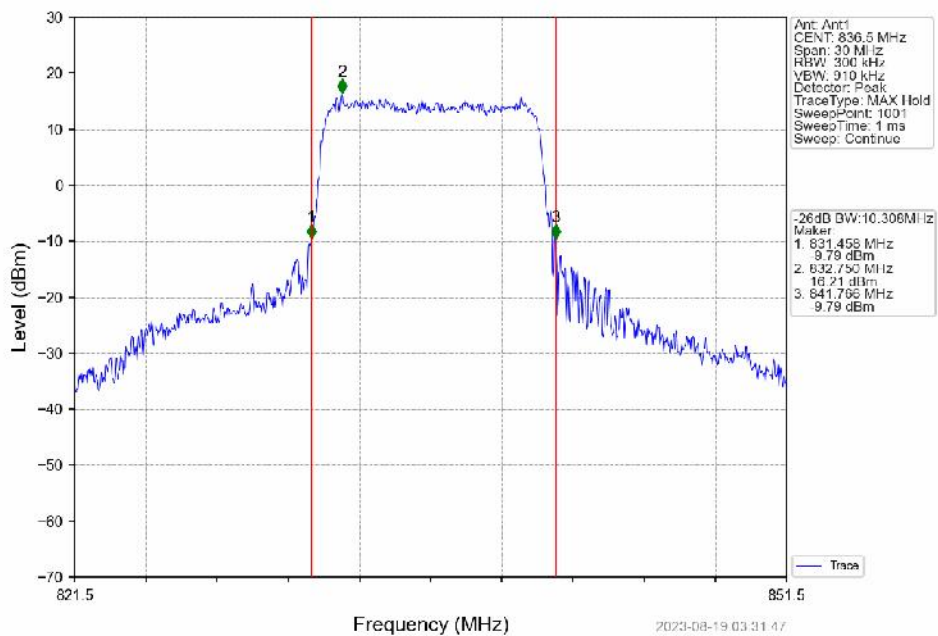
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



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

