

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	24.59	-2.30	20.14	<=34.77	Pass
			2	24.65	-2.30	20.20	<=34.77	Pass
			5	24.61	-2.30	20.16	<=34.77	Pass
		3	0	24.66	-2.30	20.21	<=34.77	Pass
			2	24.65	-2.30	20.20	<=34.77	Pass
			3	24.57	-2.30	20.12	<=34.77	Pass
		6	0	23.57	-2.30	19.12	<=34.77	Pass
	836.5	1	0	24.59	-2.30	20.14	<=34.77	Pass
			2	24.49	-2.30	20.04	<=34.77	Pass
			5	24.51	-2.30	20.06	<=34.77	Pass
		3	0	24.38	-2.30	19.93	<=34.77	Pass
			2	24.29	-2.30	19.84	<=34.77	Pass
			3	24.42	-2.30	19.97	<=34.77	Pass
		6	0	23.43	-2.30	18.98	<=34.77	Pass
	848.3	1	0	24.32	-2.30	19.87	<=34.77	Pass
			2	24.57	-2.30	20.12	<=34.77	Pass
			5	24.52	-2.30	20.07	<=34.77	Pass
		3	0	24.40	-2.30	19.95	<=34.77	Pass
			2	24.45	-2.30	20.00	<=34.77	Pass
			3	24.39	-2.30	19.94	<=34.77	Pass
		6	0	23.37	-2.30	18.92	<=34.77	Pass
16QAM	824.7	1	0	23.07	-2.30	18.62	<=34.77	Pass
			2	23.19	-2.30	18.74	<=34.77	Pass
			5	23.13	-2.30	18.68	<=34.77	Pass
		3	0	23.44	-2.30	18.99	<=34.77	Pass
			2	23.40	-2.30	18.95	<=34.77	Pass
			3	23.35	-2.30	18.90	<=34.77	Pass
		6	0	22.63	-2.30	18.18	<=34.77	Pass
	836.5	1	0	23.86	-2.30	19.41	<=34.77	Pass
			2	23.52	-2.30	19.07	<=34.77	Pass
			5	23.54	-2.30	19.09	<=34.77	Pass
		3	0	23.41	-2.30	18.96	<=34.77	Pass
			2	23.49	-2.30	19.04	<=34.77	Pass
			3	23.43	-2.30	18.98	<=34.77	Pass
		6	0	22.58	-2.30	18.13	<=34.77	Pass
	848.3	1	0	22.90	-2.30	18.45	<=34.77	Pass
			2	22.98	-2.30	18.53	<=34.77	Pass
			5	22.95	-2.30	18.50	<=34.77	Pass
		3	0	23.06	-2.30	18.61	<=34.77	Pass
			2	23.02	-2.30	18.57	<=34.77	Pass
			3	23.08	-2.30	18.63	<=34.77	Pass
		6	0	22.91	-2.30	18.46	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	24.56	-2.30	20.11	<=34.77	Pass		
			7	24.54	-2.30	20.09	<=34.77	Pass		
			14	24.53	-2.30	20.08	<=34.77	Pass		
		8	0	23.70	-2.30	19.25	<=34.77	Pass		
			4	23.68	-2.30	19.23	<=34.77	Pass		
			7	23.48	-2.30	19.03	<=34.77	Pass		
		15	0	23.69	-2.30	19.24	<=34.77	Pass		
		836.5	1	0	24.66	-2.30	20.21	<=34.77	Pass	
				7	24.44	-2.30	19.99	<=34.77	Pass	
	14			24.41	-2.30	19.96	<=34.77	Pass		
	8		0	23.53	-2.30	19.08	<=34.77	Pass		
			4	23.49	-2.30	19.04	<=34.77	Pass		
			7	23.36	-2.30	18.91	<=34.77	Pass		
	15	0	23.50	-2.30	19.05	<=34.77	Pass			
	847.5	1	0	24.59	-2.30	20.14	<=34.77	Pass		
			7	24.51	-2.30	20.06	<=34.77	Pass		
			14	24.58	-2.30	20.13	<=34.77	Pass		
		8	0	23.43	-2.30	18.98	<=34.77	Pass		
			4	23.48	-2.30	19.03	<=34.77	Pass		
			7	23.37	-2.30	18.92	<=34.77	Pass		
		15	0	23.45	-2.30	19.00	<=34.77	Pass		
		16QAM	825.5	1	0	23.62	-2.30	19.17	<=34.77	Pass
					7	23.63	-2.30	19.18	<=34.77	Pass
	14				23.57	-2.30	19.12	<=34.77	Pass	
8	0			22.82	-2.30	18.37	<=34.77	Pass		
	4			22.81	-2.30	18.36	<=34.77	Pass		
	7			23.24	-2.30	18.79	<=34.77	Pass		
15	0			22.65	-2.30	18.20	<=34.77	Pass		
836.5	1			0	23.09	-2.30	18.64	<=34.77	Pass	
				7	23.06	-2.30	18.61	<=34.77	Pass	
			14	23.10	-2.30	18.65	<=34.77	Pass		
	8		0	23.17	-2.30	18.72	<=34.77	Pass		
			4	22.66	-2.30	18.21	<=34.77	Pass		
			7	22.65	-2.30	18.20	<=34.77	Pass		
15	0		22.33	-2.30	17.88	<=34.77	Pass			
847.5	1		0	23.90	-2.30	19.45	<=34.77	Pass		
			7	23.77	-2.30	19.32	<=34.77	Pass		
			14	23.81	-2.30	19.36	<=34.77	Pass		
	8		0	22.50	-2.30	18.05	<=34.77	Pass		
			4	22.55	-2.30	18.10	<=34.77	Pass		
			7	22.94	-2.30	18.49	<=34.77	Pass		
	15		0	22.43	-2.30	17.98	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	24.57	-2.30	20.12	<=34.77	Pass
			13	24.51	-2.30	20.06	<=34.77	Pass
			24	24.57	-2.30	20.12	<=34.77	Pass
		12	0	23.62	-2.30	19.17	<=34.77	Pass
			6	23.52	-2.30	19.07	<=34.77	Pass
			13	23.56	-2.30	19.11	<=34.77	Pass
		25	0	23.50	-2.30	19.05	<=34.77	Pass
	836.5	1	0	24.49	-2.30	20.04	<=34.77	Pass
			13	24.31	-2.30	19.86	<=34.77	Pass
			24	24.34	-2.30	19.89	<=34.77	Pass
		12	0	23.48	-2.30	19.03	<=34.77	Pass
			6	23.51	-2.30	19.06	<=34.77	Pass
			13	23.39	-2.30	18.94	<=34.77	Pass
		25	0	23.45	-2.30	19.00	<=34.77	Pass
	846.5	1	0	24.33	-2.30	19.88	<=34.77	Pass
			13	24.44	-2.30	19.99	<=34.77	Pass
			24	24.40	-2.30	19.95	<=34.77	Pass
		12	0	23.46	-2.30	19.01	<=34.77	Pass
			6	23.53	-2.30	19.08	<=34.77	Pass
			13	23.46	-2.30	19.01	<=34.77	Pass
		25	0	23.45	-2.30	19.00	<=34.77	Pass
16QAM	826.5	1	0	22.63	-2.30	18.18	<=34.77	Pass
			13	22.58	-2.30	18.13	<=34.77	Pass
			24	22.62	-2.30	18.17	<=34.77	Pass
		12	0	22.51	-2.30	18.06	<=34.77	Pass
			6	23.06	-2.30	18.61	<=34.77	Pass
			13	23.05	-2.30	18.60	<=34.77	Pass
		25	0	23.08	-2.30	18.63	<=34.77	Pass
	836.5	1	0	23.42	-2.30	18.97	<=34.77	Pass
			13	23.34	-2.30	18.89	<=34.77	Pass
			24	23.44	-2.30	18.99	<=34.77	Pass
		12	0	22.97	-2.30	18.52	<=34.77	Pass
			6	22.45	-2.30	18.00	<=34.77	Pass
			13	22.41	-2.30	17.96	<=34.77	Pass
		25	0	22.55	-2.30	18.10	<=34.77	Pass
	846.5	1	0	23.28	-2.30	18.83	<=34.77	Pass
			13	23.31	-2.30	18.86	<=34.77	Pass
			24	23.30	-2.30	18.85	<=34.77	Pass
		12	0	22.27	-2.30	17.82	<=34.77	Pass
			6	22.33	-2.30	17.88	<=34.77	Pass
			13	22.23	-2.30	17.78	<=34.77	Pass
		25	0	22.38	-2.30	17.93	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.73	-2.30	20.28	<=34.77	Pass
			25	24.70	-2.30	20.25	<=34.77	Pass
			49	24.73	-2.30	20.28	<=34.77	Pass
		25	0	23.55	-2.30	19.10	<=34.77	Pass
			13	23.58	-2.30	19.13	<=34.77	Pass
			25	23.88	-2.30	19.43	<=34.77	Pass
		50	0	23.62	-2.30	19.17	<=34.77	Pass
	836.5	1	0	24.48	-2.30	20.03	<=34.77	Pass
			25	24.39	-2.30	19.94	<=34.77	Pass
			49	24.60	-2.30	20.15	<=34.77	Pass
		25	0	23.47	-2.30	19.02	<=34.77	Pass
			13	23.46	-2.30	19.01	<=34.77	Pass
			25	23.42	-2.30	18.97	<=34.77	Pass
		50	0	23.47	-2.30	19.02	<=34.77	Pass
	844	1	0	24.35	-2.30	19.90	<=34.77	Pass
			25	24.34	-2.30	19.89	<=34.77	Pass
			49	24.37	-2.30	19.92	<=34.77	Pass
		25	0	23.51	-2.30	19.06	<=34.77	Pass
			13	23.44	-2.30	18.99	<=34.77	Pass
			25	23.51	-2.30	19.06	<=34.77	Pass
		50	0	23.39	-2.30	18.94	<=34.77	Pass
16QAM	829	1	0	24.28	-2.30	19.83	<=34.77	Pass
			25	24.29	-2.30	19.84	<=34.77	Pass
			49	24.09	-2.30	19.64	<=34.77	Pass
		25	0	23.15	-2.30	18.70	<=34.77	Pass
			13	22.64	-2.30	18.19	<=34.77	Pass
			25	23.01	-2.30	18.56	<=34.77	Pass
		50	0	22.63	-2.30	18.18	<=34.77	Pass
	836.5	1	0	24.30	-2.30	19.85	<=34.77	Pass
			25	23.86	-2.30	19.41	<=34.77	Pass
			49	24.04	-2.30	19.59	<=34.77	Pass
		25	0	22.98	-2.30	18.53	<=34.77	Pass
			13	22.46	-2.30	18.01	<=34.77	Pass
			25	22.97	-2.30	18.52	<=34.77	Pass
		50	0	22.40	-2.30	17.95	<=34.77	Pass
	844	1	0	23.15	-2.30	18.70	<=34.77	Pass
			25	22.96	-2.30	18.51	<=34.77	Pass
			49	23.00	-2.30	18.55	<=34.77	Pass
		25	0	22.65	-2.30	18.20	<=34.77	Pass
			13	23.08	-2.30	18.63	<=34.77	Pass
			25	22.59	-2.30	18.14	<=34.77	Pass
		50	0	22.95	-2.30	18.50	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.06	-39.525	-0.0479	-2.5 to 2.5	Pass
					3.60	-27.423	-0.0333	-2.5 to 2.5	Pass
					4.14	-27.509	-0.0334	-2.5 to 2.5	Pass
				-30	3.60	-7.524	-0.0091	-2.5 to 2.5	Pass
				-20	3.60	-8.140	-0.0099	-2.5 to 2.5	Pass
				-10	3.60	-42.515	-0.0516	-2.5 to 2.5	Pass
				0	3.60	-6.680	-0.0081	-2.5 to 2.5	Pass
				10	3.60	-5.078	-0.0062	-2.5 to 2.5	Pass
				30	3.60	-38.180	-0.0463	-2.5 to 2.5	Pass
				40	3.60	-33.331	-0.0404	-2.5 to 2.5	Pass
				50	3.60	-15.965	-0.0194	-2.5 to 2.5	Pass
	836.5	6	0	20	3.06	9.656	0.0115	-2.5 to 2.5	Pass
					3.60	11.458	0.0137	-2.5 to 2.5	Pass
					4.14	2.189	0.0026	-2.5 to 2.5	Pass
				-30	3.60	-6.108	-0.0073	-2.5 to 2.5	Pass
				-20	3.60	-10.800	-0.0129	-2.5 to 2.5	Pass
				-10	3.60	-15.221	-0.0182	-2.5 to 2.5	Pass
				0	3.60	-17.695	-0.0212	-2.5 to 2.5	Pass
				10	3.60	-23.561	-0.0282	-2.5 to 2.5	Pass
				30	3.60	-27.909	-0.0334	-2.5 to 2.5	Pass
				40	3.60	-31.443	-0.0376	-2.5 to 2.5	Pass
				50	3.60	-35.205	-0.0421	-2.5 to 2.5	Pass
	848.3	6	0	20	3.06	4.320	0.0051	-2.5 to 2.5	Pass
					3.60	-16.494	-0.0194	-2.5 to 2.5	Pass
					4.14	-45.662	-0.0538	-2.5 to 2.5	Pass
				-30	3.60	-10.185	-0.0120	-2.5 to 2.5	Pass
				-20	3.60	-20.928	-0.0247	-2.5 to 2.5	Pass
				-10	3.60	-7.453	-0.0088	-2.5 to 2.5	Pass
				0	3.60	-35.734	-0.0421	-2.5 to 2.5	Pass
				10	3.60	-8.826	-0.0104	-2.5 to 2.5	Pass
				30	3.60	-28.038	-0.0331	-2.5 to 2.5	Pass
				40	3.60	-45.547	-0.0537	-2.5 to 2.5	Pass
				50	3.60	-11.730	-0.0138	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.06	-42.815	-0.0519	-2.5 to 2.5	Pass
					3.60	-40.956	-0.0497	-2.5 to 2.5	Pass
					4.14	-41.099	-0.0498	-2.5 to 2.5	Pass
				-30	3.60	-40.054	-0.0486	-2.5 to 2.5	Pass
				-20	3.60	2.317	0.0028	-2.5 to 2.5	Pass
				-10	3.60	-2.775	-0.0034	-2.5 to 2.5	Pass
				0	3.60	-6.895	-0.0084	-2.5 to 2.5	Pass
				10	3.60	-14.291	-0.0173	-2.5 to 2.5	Pass
				30	3.60	-19.140	-0.0232	-2.5 to 2.5	Pass
				40	3.60	-25.320	-0.0307	-2.5 to 2.5	Pass
				50	3.60	-32.201	-0.0390	-2.5 to 2.5	Pass
	836.5	6	0	20	3.06	-34.790	-0.0416	-2.5 to 2.5	Pass
					3.60	-23.174	-0.0277	-2.5 to 2.5	Pass
					4.14	-11.058	-0.0132	-2.5 to 2.5	Pass
				-30	3.60	-3.648	-0.0044	-2.5 to 2.5	Pass
				-20	3.60	0.372	0.0004	-2.5 to 2.5	Pass
				-10	3.60	3.347	0.0040	-2.5 to 2.5	Pass

				0	3.60	3.119	0.0037	-2.5 to 2.5	Pass
				10	3.60	3.734	0.0045	-2.5 to 2.5	Pass
				30	3.60	5.593	0.0067	-2.5 to 2.5	Pass
				40	3.60	9.456	0.0113	-2.5 to 2.5	Pass
				50	3.60	12.331	0.0147	-2.5 to 2.5	Pass
	848.3	6	0	20	3.06	-26.135	-0.0308	-2.5 to 2.5	Pass
					3.60	-26.708	-0.0315	-2.5 to 2.5	Pass
					4.14	-25.263	-0.0298	-2.5 to 2.5	Pass
				-30	3.60	-23.875	-0.0281	-2.5 to 2.5	Pass
				-20	3.60	-25.148	-0.0296	-2.5 to 2.5	Pass
				-10	3.60	-27.595	-0.0325	-2.5 to 2.5	Pass
				0	3.60	-31.371	-0.0370	-2.5 to 2.5	Pass
				10	3.60	-34.919	-0.0412	-2.5 to 2.5	Pass
				30	3.60	-39.339	-0.0464	-2.5 to 2.5	Pass
				40	3.60	-43.845	-0.0517	-2.5 to 2.5	Pass
				50	3.60	-45.762	-0.0539	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.06	12.045	0.0146	-2.5 to 2.5	Pass
					3.60	-9.513	-0.0115	-2.5 to 2.5	Pass
					4.14	-32.959	-0.0399	-2.5 to 2.5	Pass
				-30	3.60	-30.541	-0.0370	-2.5 to 2.5	Pass
				-20	3.60	-14.434	-0.0175	-2.5 to 2.5	Pass
				-10	3.60	-38.610	-0.0468	-2.5 to 2.5	Pass
				0	3.60	-6.251	-0.0076	-2.5 to 2.5	Pass
				10	3.60	-21.973	-0.0266	-2.5 to 2.5	Pass
				30	3.60	-33.531	-0.0406	-2.5 to 2.5	Pass
				40	3.60	-46.120	-0.0559	-2.5 to 2.5	Pass
	836.5	15	0	20	3.06	12.889	0.0154	-2.5 to 2.5	Pass
					3.60	22.588	0.0270	-2.5 to 2.5	Pass
					4.14	18.625	0.0223	-2.5 to 2.5	Pass
				-30	3.60	14.963	0.0179	-2.5 to 2.5	Pass
				-20	3.60	12.374	0.0148	-2.5 to 2.5	Pass
				-10	3.60	14.291	0.0171	-2.5 to 2.5	Pass
				0	3.60	16.522	0.0198	-2.5 to 2.5	Pass
				10	3.60	17.252	0.0206	-2.5 to 2.5	Pass
				30	3.60	19.770	0.0236	-2.5 to 2.5	Pass
				40	3.60	20.313	0.0243	-2.5 to 2.5	Pass
	847.5	15	0	20	3.06	12.202	0.0144	-2.5 to 2.5	Pass
					3.60	-4.463	-0.0053	-2.5 to 2.5	Pass
					4.14	-15.650	-0.0185	-2.5 to 2.5	Pass
				-30	3.60	-16.623	-0.0196	-2.5 to 2.5	Pass
				-20	3.60	-8.755	-0.0103	-2.5 to 2.5	Pass
				-10	3.60	-35.791	-0.0422	-2.5 to 2.5	Pass
				0	3.60	-2.217	-0.0026	-2.5 to 2.5	Pass
				10	3.60	-21.544	-0.0254	-2.5 to 2.5	Pass
				30	3.60	-35.820	-0.0423	-2.5 to 2.5	Pass
				40	3.60	-8.869	-0.0105	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.06	-12.231	-0.0148	-2.5 to 2.5	Pass
					3.60	3.791	0.0046	-2.5 to 2.5	Pass
					4.14	18.482	0.0224	-2.5 to 2.5	Pass

				-30	3.60	29.826	0.0361	-2.5 to 2.5	Pass
				-20	3.60	37.122	0.0450	-2.5 to 2.5	Pass
				-10	3.60	42.400	0.0514	-2.5 to 2.5	Pass
				0	3.60	-3.519	-0.0043	-2.5 to 2.5	Pass
				10	3.60	-0.200	-0.0002	-2.5 to 2.5	Pass
				30	3.60	3.705	0.0045	-2.5 to 2.5	Pass
				40	3.60	4.077	0.0049	-2.5 to 2.5	Pass
				50	3.60	3.633	0.0044	-2.5 to 2.5	Pass
	836.5	15	0	20	3.06	25.649	0.0307	-2.5 to 2.5	Pass
					3.60	43.187	0.0516	-2.5 to 2.5	Pass
					4.14	6.967	0.0083	-2.5 to 2.5	Pass
				-30	3.60	20.700	0.0247	-2.5 to 2.5	Pass
				-20	3.60	28.753	0.0344	-2.5 to 2.5	Pass
				-10	3.60	38.080	0.0455	-2.5 to 2.5	Pass
				0	3.60	44.990	0.0538	-2.5 to 2.5	Pass
				10	3.60	1.259	0.0015	-2.5 to 2.5	Pass
				30	3.60	7.896	0.0094	-2.5 to 2.5	Pass
				40	3.60	13.075	0.0156	-2.5 to 2.5	Pass
				50	3.60	15.736	0.0188	-2.5 to 2.5	Pass
	847.5	15	0	20	3.06	-24.891	-0.0294	-2.5 to 2.5	Pass
					3.60	-11.272	-0.0133	-2.5 to 2.5	Pass
					4.14	-1.187	-0.0014	-2.5 to 2.5	Pass
				-30	3.60	6.037	0.0071	-2.5 to 2.5	Pass
				-20	3.60	10.486	0.0124	-2.5 to 2.5	Pass
				-10	3.60	14.148	0.0167	-2.5 to 2.5	Pass
				0	3.60	17.467	0.0206	-2.5 to 2.5	Pass
				10	3.60	19.183	0.0226	-2.5 to 2.5	Pass
				30	3.60	19.298	0.0228	-2.5 to 2.5	Pass
				40	3.60	19.298	0.0228	-2.5 to 2.5	Pass
				50	3.60	17.853	0.0211	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.06	12.660	0.0153	-2.5 to 2.5	Pass
					3.60	-16.236	-0.0196	-2.5 to 2.5	Pass
					4.14	-33.545	-0.0406	-2.5 to 2.5	Pass
				-30	3.60	-6.208	-0.0075	-2.5 to 2.5	Pass
				-20	3.60	-44.703	-0.0541	-2.5 to 2.5	Pass
				-10	3.60	-22.488	-0.0272	-2.5 to 2.5	Pass
				0	3.60	-33.474	-0.0405	-2.5 to 2.5	Pass
				10	3.60	-12.889	-0.0156	-2.5 to 2.5	Pass
				30	3.60	-29.125	-0.0352	-2.5 to 2.5	Pass
				40	3.60	-41.714	-0.0505	-2.5 to 2.5	Pass
				50	3.60	-2.890	-0.0035	-2.5 to 2.5	Pass
	836.5	25	0	20	3.06	18.296	0.0219	-2.5 to 2.5	Pass
					3.60	13.218	0.0158	-2.5 to 2.5	Pass
					4.14	-1.259	-0.0015	-2.5 to 2.5	Pass
				-30	3.60	-3.147	-0.0038	-2.5 to 2.5	Pass
				-20	3.60	-2.489	-0.0030	-2.5 to 2.5	Pass
				-10	3.60	-2.847	-0.0034	-2.5 to 2.5	Pass
				0	3.60	-0.815	-0.0010	-2.5 to 2.5	Pass
				10	3.60	1.187	0.0014	-2.5 to 2.5	Pass
				30	3.60	5.064	0.0061	-2.5 to 2.5	Pass
				40	3.60	7.281	0.0087	-2.5 to 2.5	Pass
				50	3.60	8.984	0.0107	-2.5 to 2.5	Pass

	846.5	25	0	20	3.06	22.302	0.0263	-2.5 to 2.5	Pass
					3.60	-26.922	-0.0318	-2.5 to 2.5	Pass
					4.14	-31.443	-0.0371	-2.5 to 2.5	Pass
				-30	3.60	-28.996	-0.0343	-2.5 to 2.5	Pass
				-20	3.60	-15.135	-0.0179	-2.5 to 2.5	Pass
				-10	3.60	-39.153	-0.0463	-2.5 to 2.5	Pass
				0	3.60	-9.356	-0.0111	-2.5 to 2.5	Pass
				10	3.60	-23.818	-0.0281	-2.5 to 2.5	Pass
				30	3.60	-33.946	-0.0401	-2.5 to 2.5	Pass
				40	3.60	-45.991	-0.0543	-2.5 to 2.5	Pass
				50	3.60	-5.264	-0.0062	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.06	-8.168	-0.0099	-2.5 to 2.5	Pass
					3.60	-4.606	-0.0056	-2.5 to 2.5	Pass
					4.14	-2.689	-0.0033	-2.5 to 2.5	Pass
				-30	3.60	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	3.60	1.373	0.0017	-2.5 to 2.5	Pass
				-10	3.60	2.246	0.0027	-2.5 to 2.5	Pass
				0	3.60	2.818	0.0034	-2.5 to 2.5	Pass
				10	3.60	1.016	0.0012	-2.5 to 2.5	Pass
				30	3.60	2.403	0.0029	-2.5 to 2.5	Pass
				40	3.60	1.760	0.0021	-2.5 to 2.5	Pass
				50	3.60	0.100	0.0001	-2.5 to 2.5	Pass
	836.5	25	0	20	3.06	12.660	0.0151	-2.5 to 2.5	Pass
					3.60	30.084	0.0360	-2.5 to 2.5	Pass
					4.14	7.553	0.0090	-2.5 to 2.5	Pass
				-30	3.60	21.729	0.0260	-2.5 to 2.5	Pass
				-20	3.60	35.748	0.0427	-2.5 to 2.5	Pass
				-10	3.60	45.934	0.0549	-2.5 to 2.5	Pass
				0	3.60	3.004	0.0036	-2.5 to 2.5	Pass
				10	3.60	8.926	0.0107	-2.5 to 2.5	Pass
				30	3.60	16.408	0.0196	-2.5 to 2.5	Pass
				40	3.60	22.388	0.0268	-2.5 to 2.5	Pass
				50	3.60	25.778	0.0308	-2.5 to 2.5	Pass
	846.5	25	0	20	3.06	-11.272	-0.0133	-2.5 to 2.5	Pass
					3.60	4.449	0.0053	-2.5 to 2.5	Pass
					4.14	18.396	0.0217	-2.5 to 2.5	Pass
				-30	3.60	31.428	0.0371	-2.5 to 2.5	Pass
				-20	3.60	38.538	0.0455	-2.5 to 2.5	Pass
				-10	3.60	-2.332	-0.0028	-2.5 to 2.5	Pass
				0	3.60	1.845	0.0022	-2.5 to 2.5	Pass
				10	3.60	2.933	0.0035	-2.5 to 2.5	Pass
				30	3.60	4.578	0.0054	-2.5 to 2.5	Pass
				40	3.60	8.125	0.0096	-2.5 to 2.5	Pass
				50	3.60	9.942	0.0117	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.06	-14.362	-0.0173	-2.5 to 2.5	Pass
					3.60	-21.501	-0.0259	-2.5 to 2.5	Pass
					4.14	-37.308	-0.0450	-2.5 to 2.5	Pass
				-30	3.60	-23.518	-0.0284	-2.5 to 2.5	Pass
				-20	3.60	-5.980	-0.0072	-2.5 to 2.5	Pass
				-10	3.60	-22.831	-0.0275	-2.5 to 2.5	Pass
				0	3.60	-34.933	-0.0421	-2.5 to 2.5	Pass
				10	3.60	-40.040	-0.0483	-2.5 to 2.5	Pass

				30	3.60	-4.506	-0.0054	-2.5 to 2.5	Pass
				40	3.60	-15.478	-0.0187	-2.5 to 2.5	Pass
				50	3.60	-22.173	-0.0267	-2.5 to 2.5	Pass
	836.5	50	0	20	3.06	39.496	0.0472	-2.5 to 2.5	Pass
					3.60	-4.749	-0.0057	-2.5 to 2.5	Pass
					4.14	-36.836	-0.0440	-2.5 to 2.5	Pass
				-30	3.60	-1.402	-0.0017	-2.5 to 2.5	Pass
				-20	3.60	-12.202	-0.0146	-2.5 to 2.5	Pass
				-10	3.60	-17.624	-0.0211	-2.5 to 2.5	Pass
				0	3.60	-21.887	-0.0262	-2.5 to 2.5	Pass
				10	3.60	-25.864	-0.0309	-2.5 to 2.5	Pass
				30	3.60	-25.377	-0.0303	-2.5 to 2.5	Pass
				40	3.60	-29.469	-0.0352	-2.5 to 2.5	Pass
				50	3.60	-34.747	-0.0415	-2.5 to 2.5	Pass
	844	50	0	20	3.06	4.821	0.0057	-2.5 to 2.5	Pass
					3.60	-37.665	-0.0446	-2.5 to 2.5	Pass
					4.14	-19.441	-0.0230	-2.5 to 2.5	Pass
				-30	3.60	-9.842	-0.0117	-2.5 to 2.5	Pass
				-20	3.60	-36.192	-0.0429	-2.5 to 2.5	Pass
				-10	3.60	-15.235	-0.0181	-2.5 to 2.5	Pass
				0	3.60	-29.526	-0.0350	-2.5 to 2.5	Pass
				10	3.60	-41.928	-0.0497	-2.5 to 2.5	Pass
				30	3.60	-3.347	-0.0040	-2.5 to 2.5	Pass
				40	3.60	-10.943	-0.0130	-2.5 to 2.5	Pass
				50	3.60	-22.202	-0.0263	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.06	-11.044	-0.0133	-2.5 to 2.5	Pass
					3.60	21.429	0.0258	-2.5 to 2.5	Pass
					4.14	41.571	0.0501	-2.5 to 2.5	Pass
				-30	3.60	4.706	0.0057	-2.5 to 2.5	Pass
				-20	3.60	11.530	0.0139	-2.5 to 2.5	Pass
				-10	3.60	17.381	0.0210	-2.5 to 2.5	Pass
				0	3.60	23.346	0.0282	-2.5 to 2.5	Pass
				10	3.60	26.450	0.0319	-2.5 to 2.5	Pass
				30	3.60	33.560	0.0405	-2.5 to 2.5	Pass
				40	3.60	37.036	0.0447	-2.5 to 2.5	Pass
				50	3.60	41.027	0.0495	-2.5 to 2.5	Pass
	836.5	50	0	20	3.06	-28.610	-0.0342	-2.5 to 2.5	Pass
					3.60	9.513	0.0114	-2.5 to 2.5	Pass
					4.14	27.552	0.0329	-2.5 to 2.5	Pass
				-30	3.60	42.086	0.0503	-2.5 to 2.5	Pass
				-20	3.60	-0.358	-0.0004	-2.5 to 2.5	Pass
				-10	3.60	4.992	0.0060	-2.5 to 2.5	Pass
				0	3.60	8.655	0.0103	-2.5 to 2.5	Pass
				10	3.60	12.059	0.0144	-2.5 to 2.5	Pass
				30	3.60	14.048	0.0168	-2.5 to 2.5	Pass
				40	3.60	19.541	0.0234	-2.5 to 2.5	Pass
				50	3.60	26.665	0.0319	-2.5 to 2.5	Pass
	844	50	0	20	3.06	-20.399	-0.0242	-2.5 to 2.5	Pass
					3.60	-3.548	-0.0042	-2.5 to 2.5	Pass
					4.14	6.123	0.0073	-2.5 to 2.5	Pass
				-30	3.60	10.371	0.0123	-2.5 to 2.5	Pass
				-20	3.60	15.621	0.0185	-2.5 to 2.5	Pass
				-10	3.60	16.551	0.0196	-2.5 to 2.5	Pass
				0	3.60	17.939	0.0213	-2.5 to 2.5	Pass
				10	3.60	17.939	0.0213	-2.5 to 2.5	Pass
				30	3.60	18.339	0.0217	-2.5 to 2.5	Pass
				40	3.60	16.394	0.0194	-2.5 to 2.5	Pass
				50	3.60	2.904	0.0034	-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

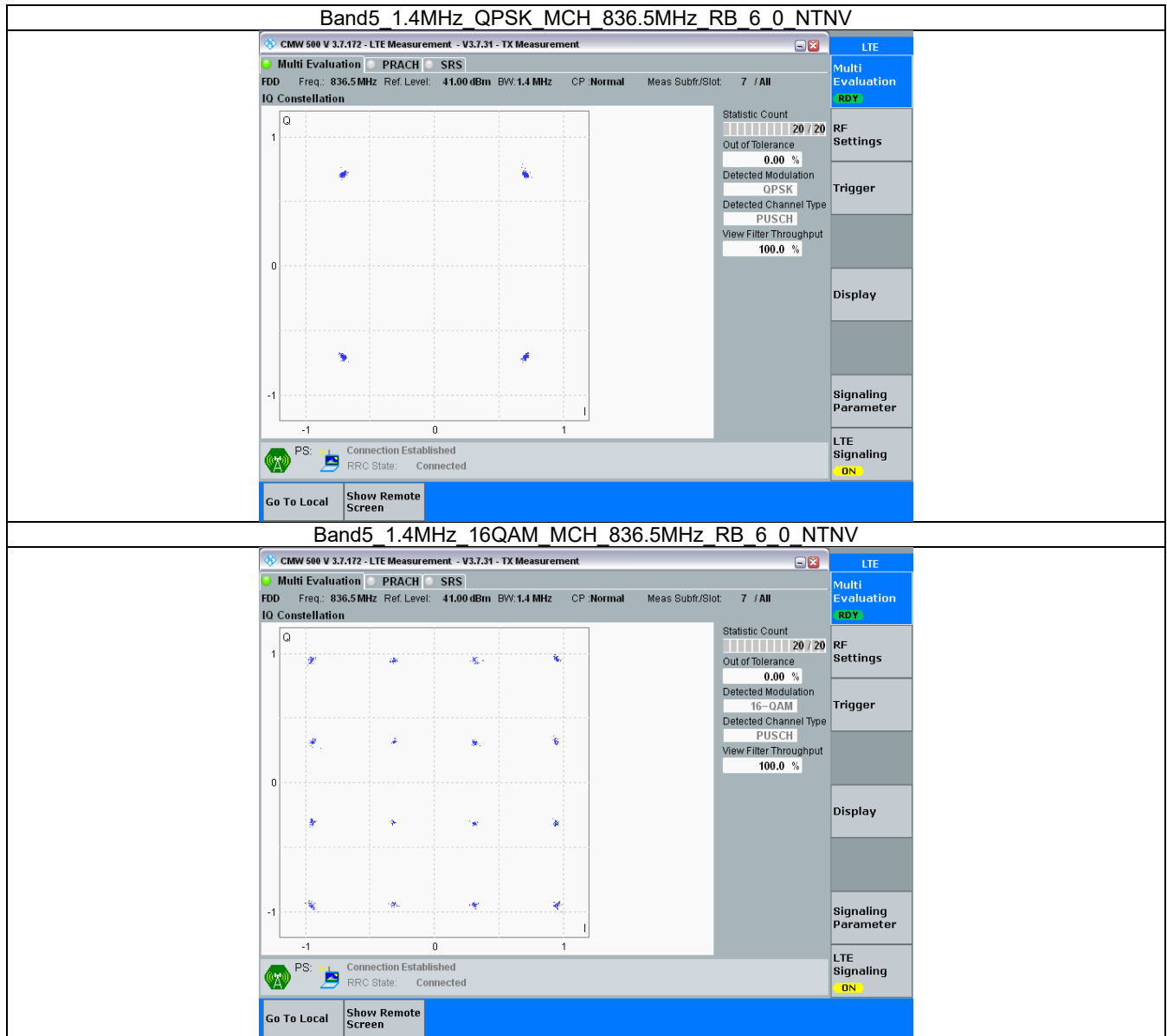
3.1.4 B5_10MHz

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
16QAM	836.5	50	0	Refer To Test Graph		Pass

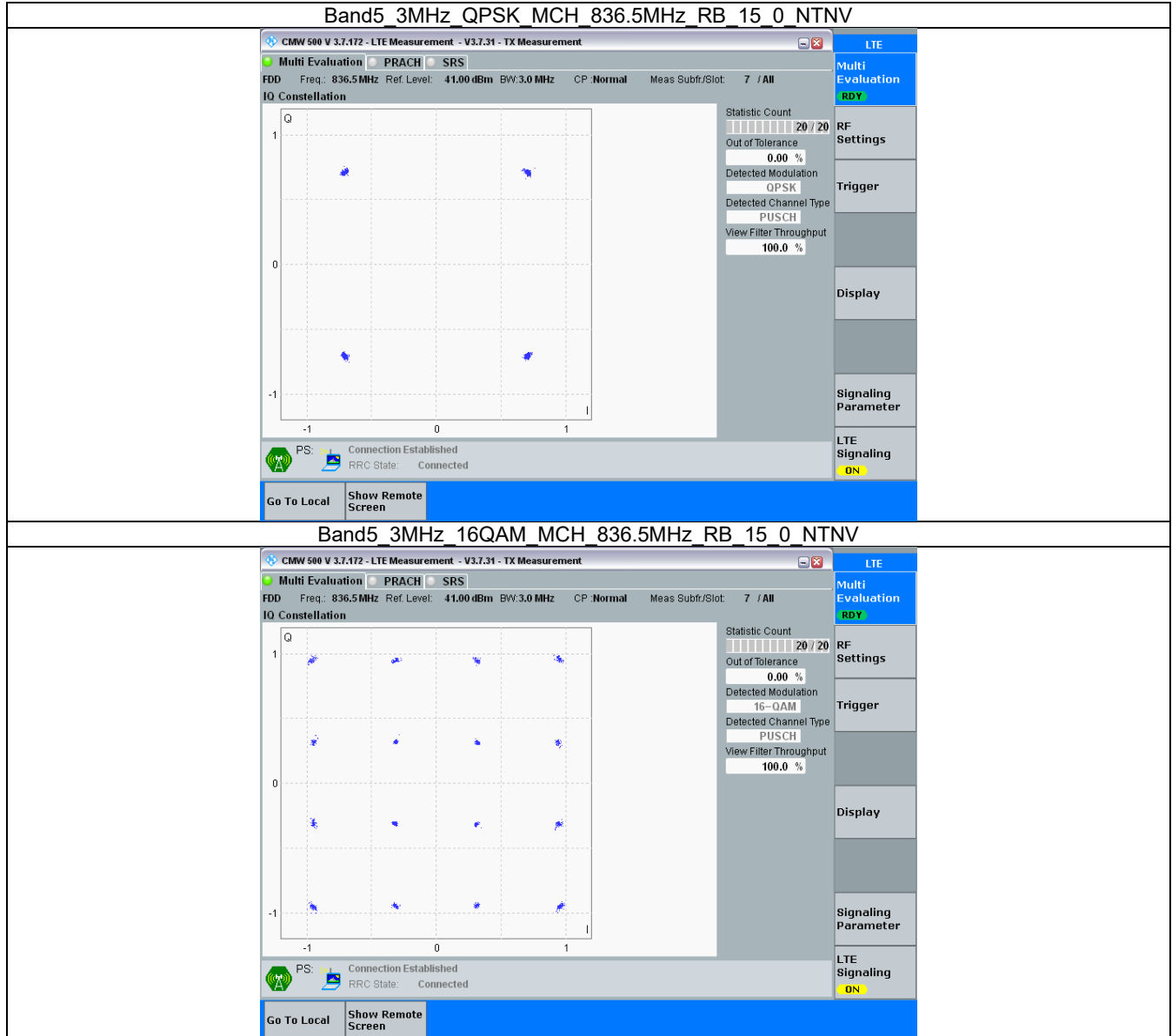
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3.2 Test Graph

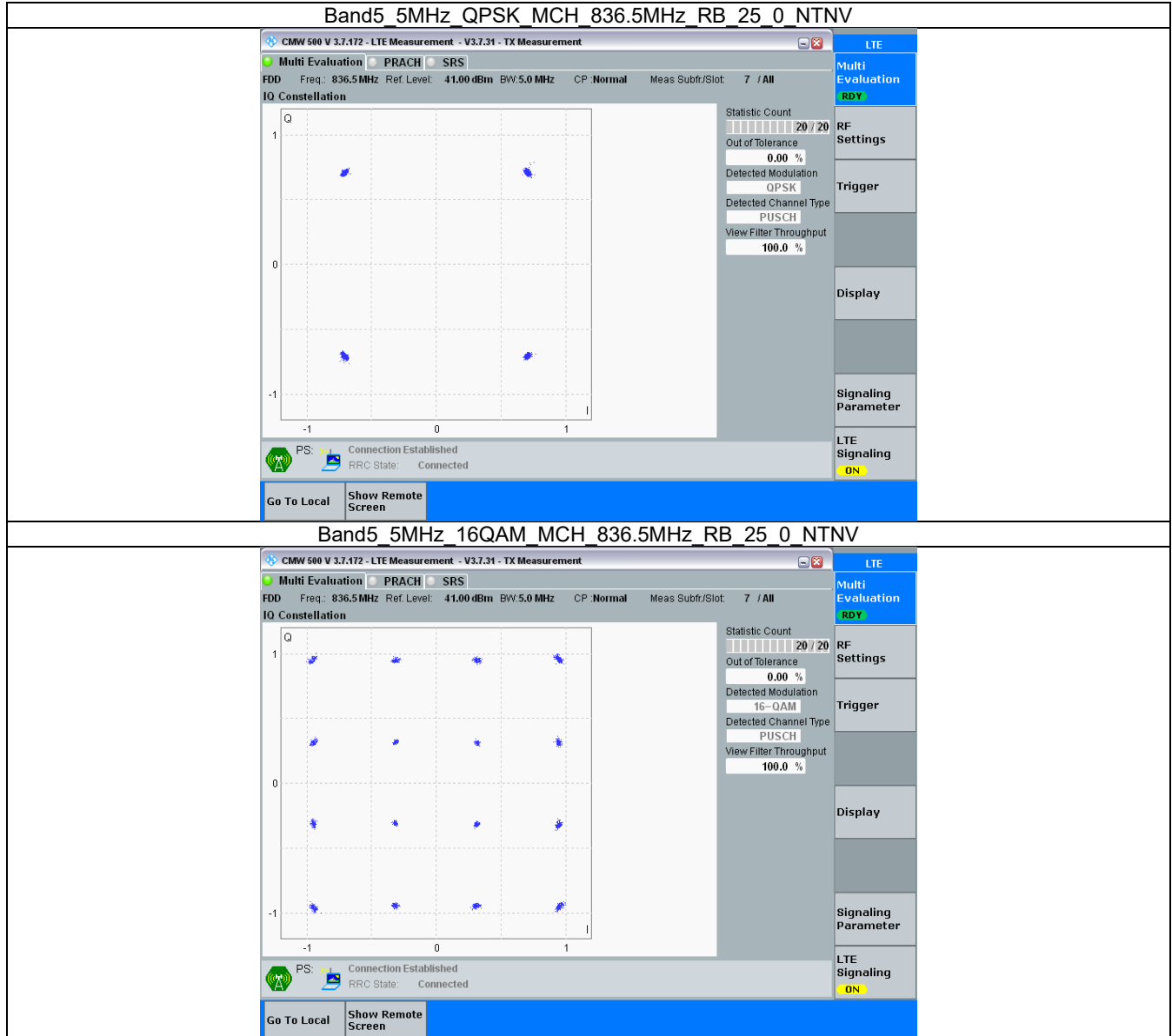
3.2.1 B5_1.4MHz



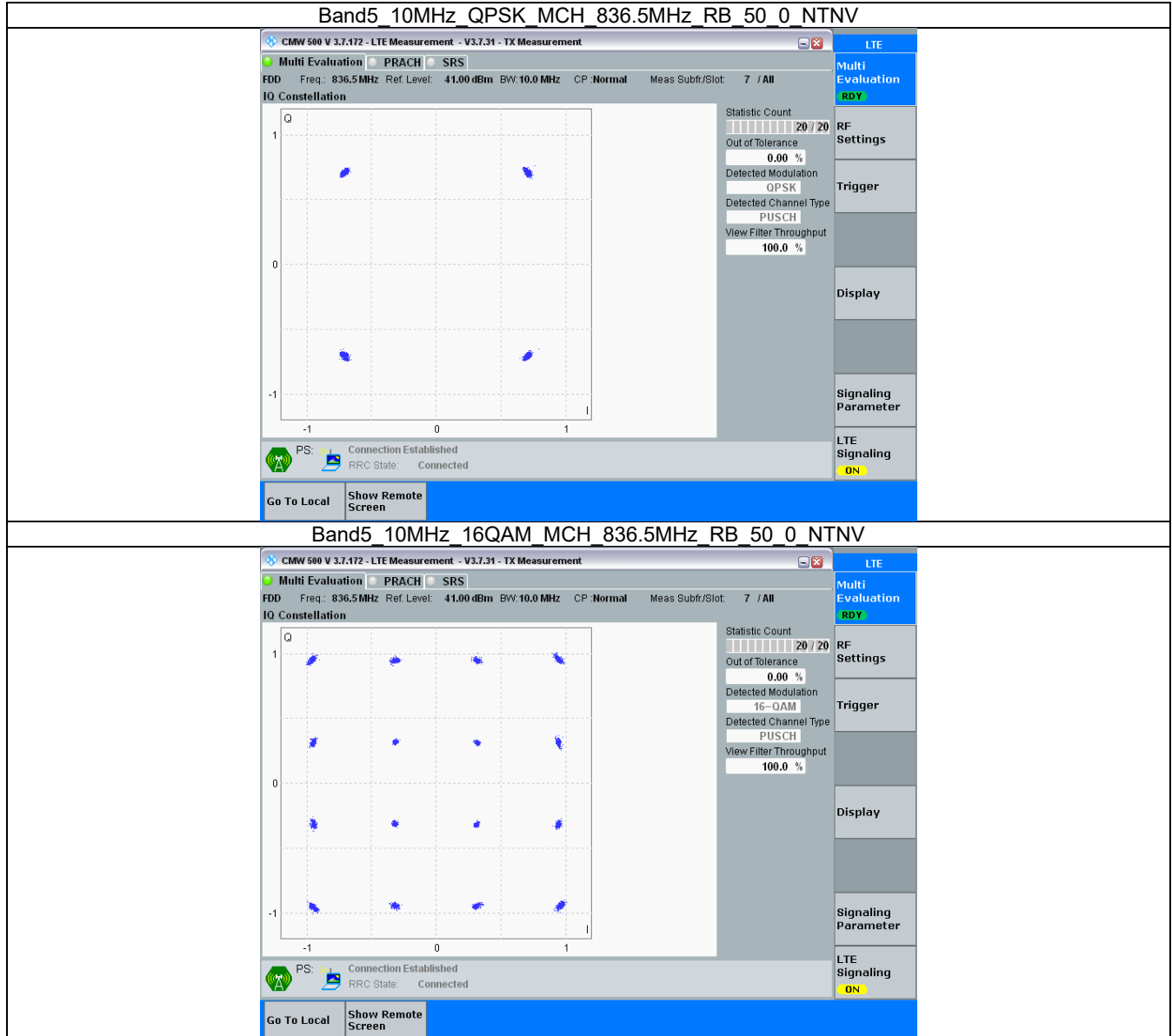
3.2.2 B5_3MHz



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	1.115	/	Pass
		848.3	6	0	1.104	/	Pass
	16QAM	824.7	6	0	1.117	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.122	/	Pass
3	QPSK	825.5	15	0	2.754	/	Pass
		836.5	15	0	2.750	/	Pass
		847.5	15	0	2.753	/	Pass
	16QAM	825.5	15	0	2.756	/	Pass
		836.5	15	0	2.776	/	Pass
		847.5	15	0	2.751	/	Pass
5	QPSK	826.5	25	0	4.577	/	Pass
		836.5	25	0	4.539	/	Pass
		846.5	25	0	4.544	/	Pass
	16QAM	826.5	25	0	4.545	/	Pass
		836.5	25	0	4.578	/	Pass
		846.5	25	0	4.526	/	Pass
10	QPSK	829	50	0	9.076	/	Pass
		836.5	50	0	9.039	/	Pass
		844	50	0	9.049	/	Pass
	16QAM	829	50	0	9.101	/	Pass
		836.5	50	0	9.046	/	Pass
		844	50	0	9.060	/	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	1.275	/	Pass
		836.5	6	0	1.272	/	Pass
		848.3	6	0	1.273	/	Pass
	16QAM	824.7	6	0	1.278	/	Pass
		836.5	6	0	1.265	/	Pass
		848.3	6	0	1.274	/	Pass
3	QPSK	825.5	15	0	3.086	/	Pass
		836.5	15	0	3.095	/	Pass
		847.5	15	0	3.084	/	Pass
	16QAM	825.5	15	0	3.101	/	Pass
		836.5	15	0	3.115	/	Pass
		847.5	15	0	3.106	/	Pass
5	QPSK	826.5	25	0	5.091	/	Pass
		836.5	25	0	5.029	/	Pass
		846.5	25	0	5.048	/	Pass



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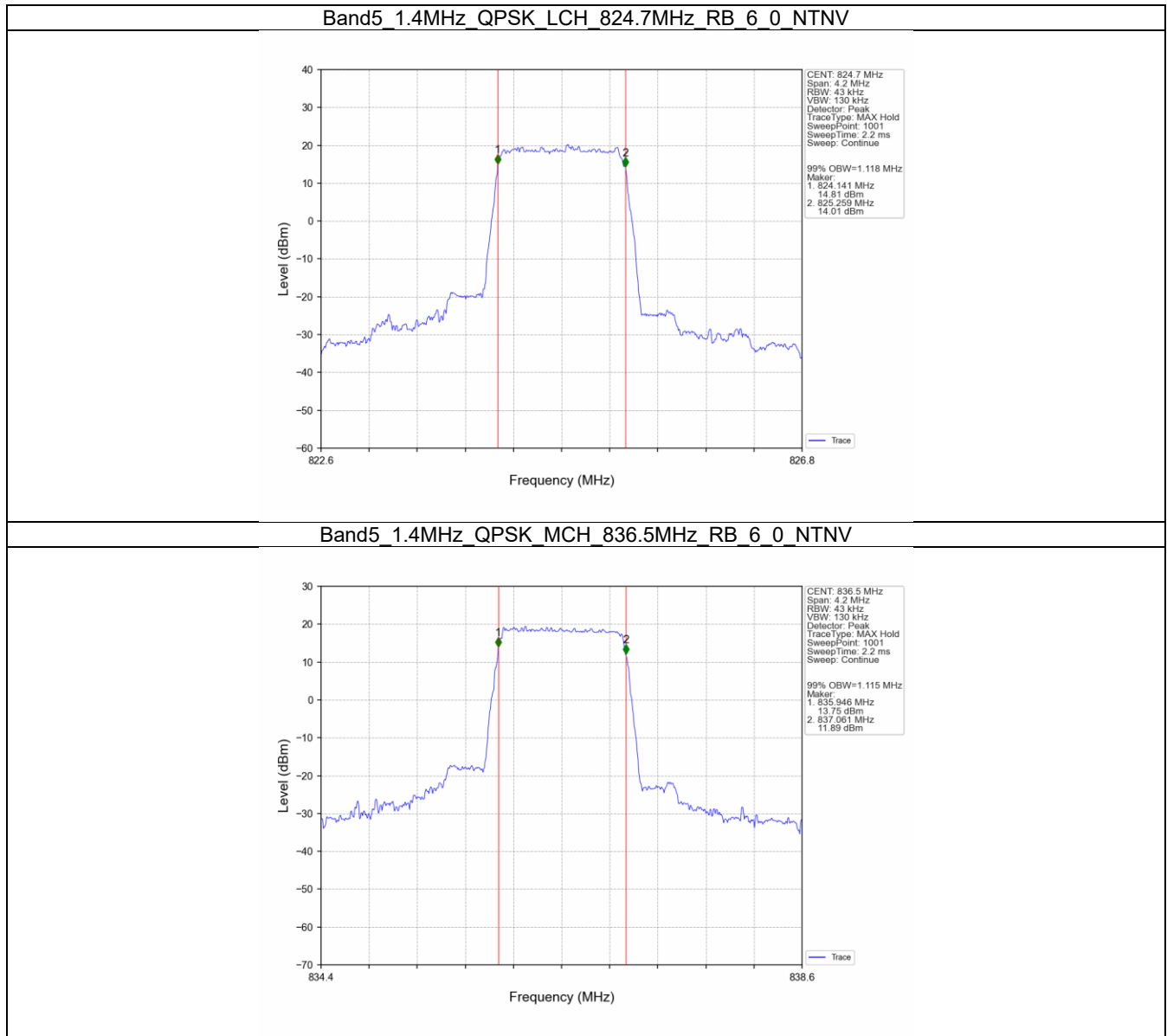
	16QAM	826.5	25	0	5.054	/	Pass
		836.5	25	0	5.060	/	Pass
		846.5	25	0	5.052	/	Pass
10	QPSK	829	50	0	10.064	/	Pass
		836.5	50	0	10.058	/	Pass
		844	50	0	9.960	/	Pass
	16QAM	829	50	0	10.099	/	Pass
		836.5	50	0	10.006	/	Pass
		844	50	0	10.055	/	Pass



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4.2 Test Graph

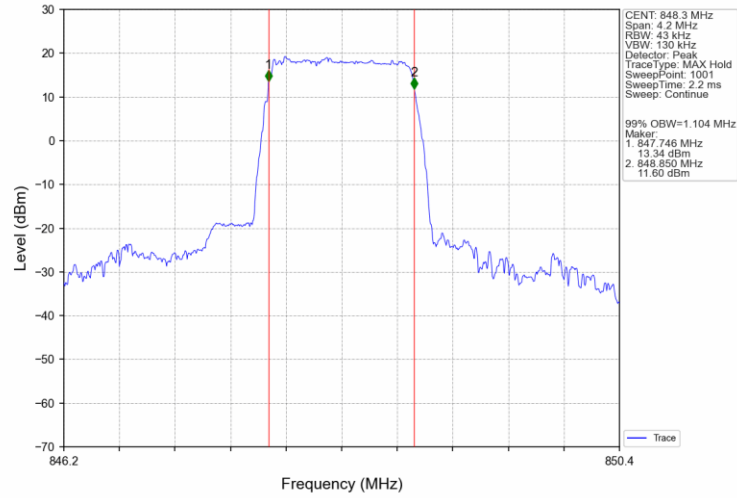
4.2.1 Band5_OBW



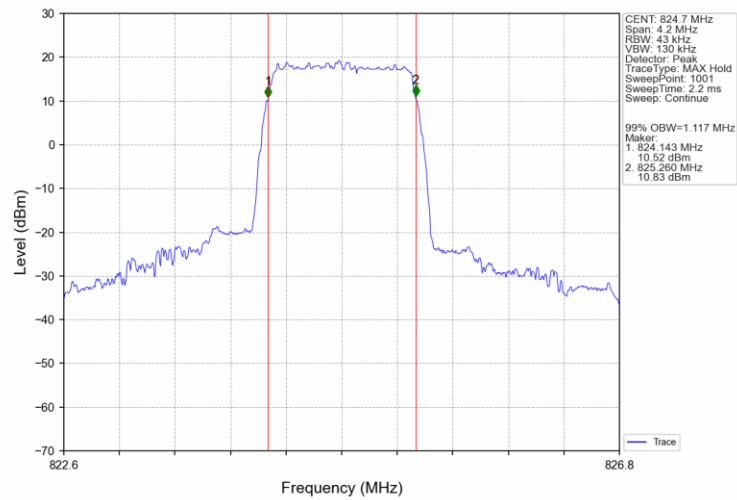


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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



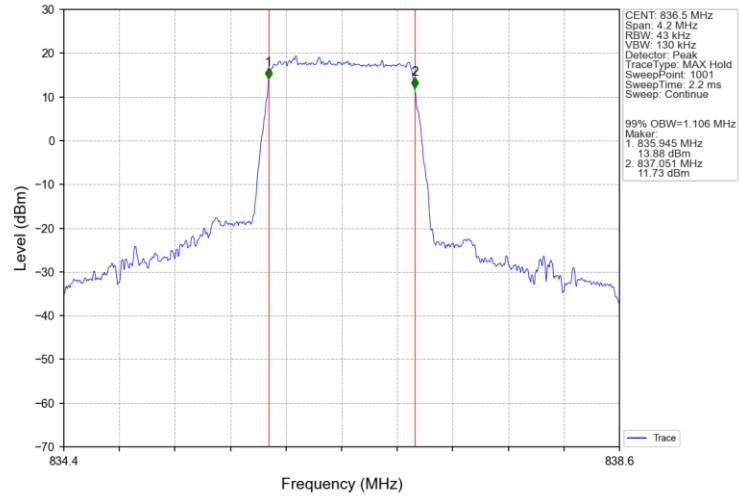
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



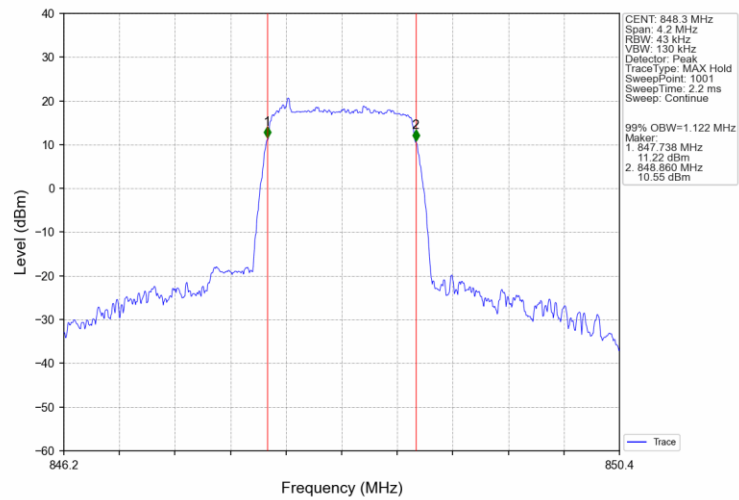


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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



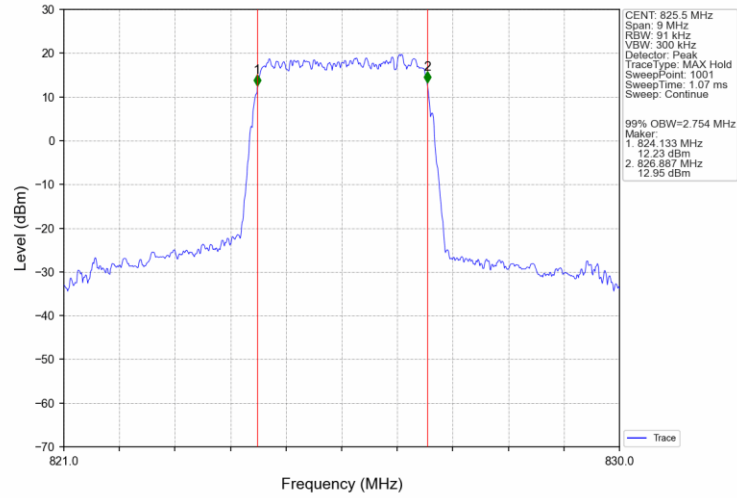
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



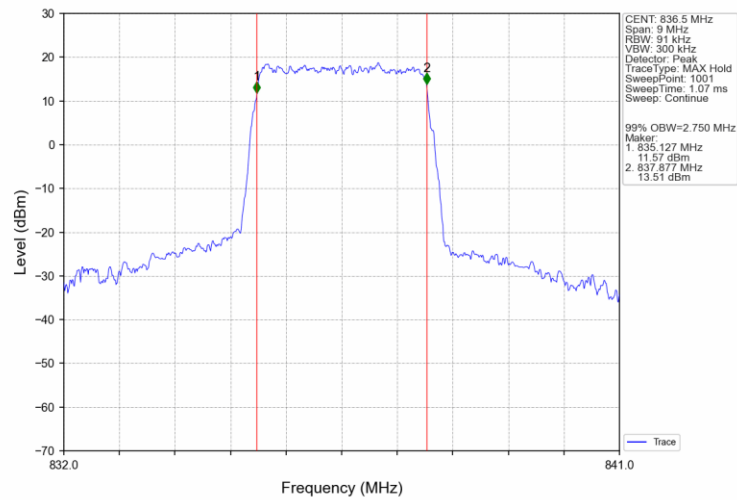


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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



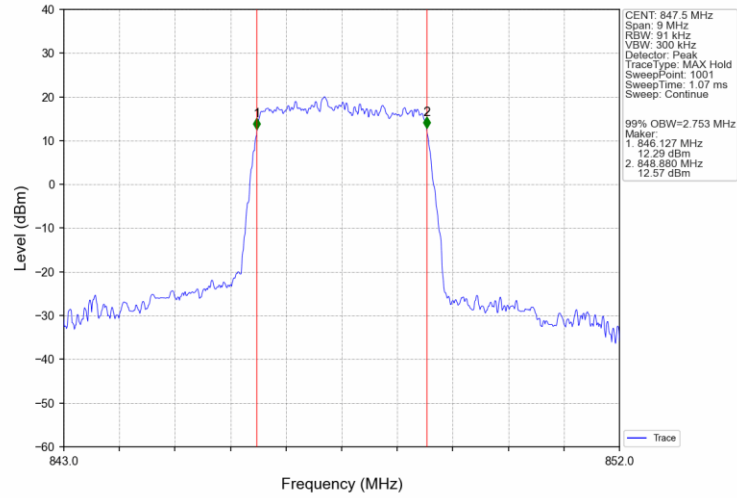
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



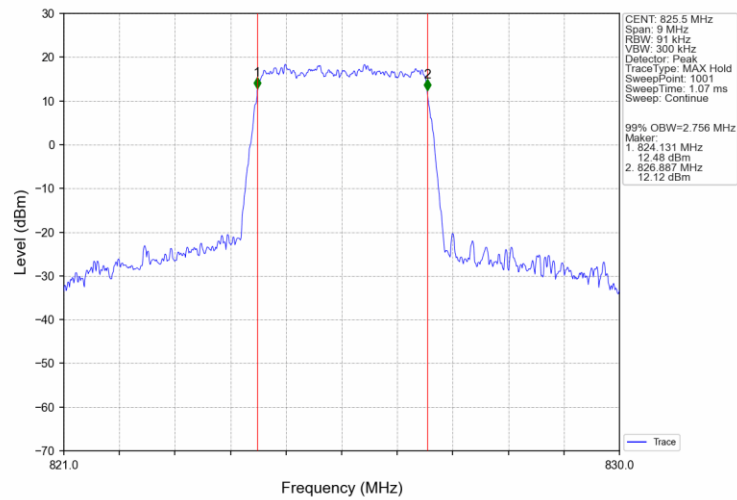


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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



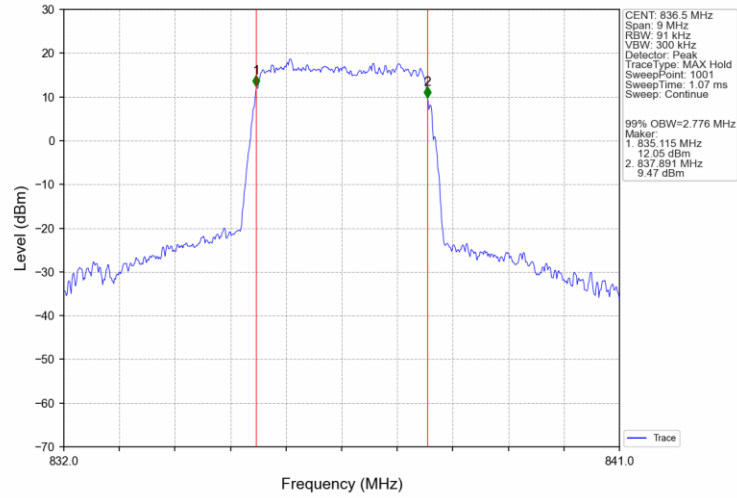
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



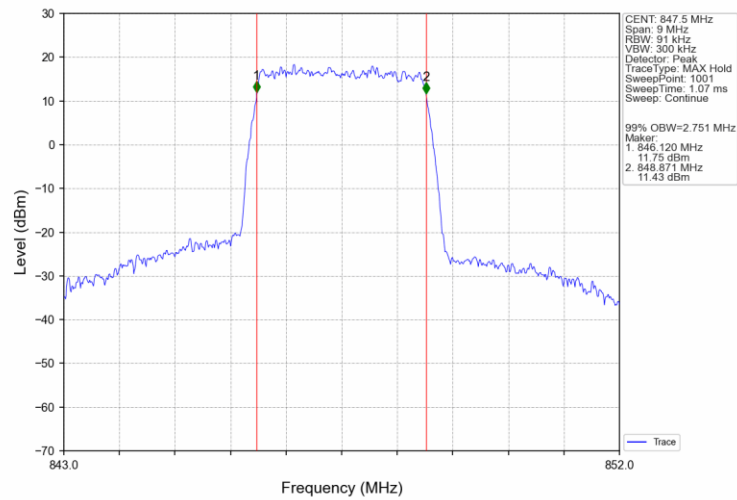


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Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



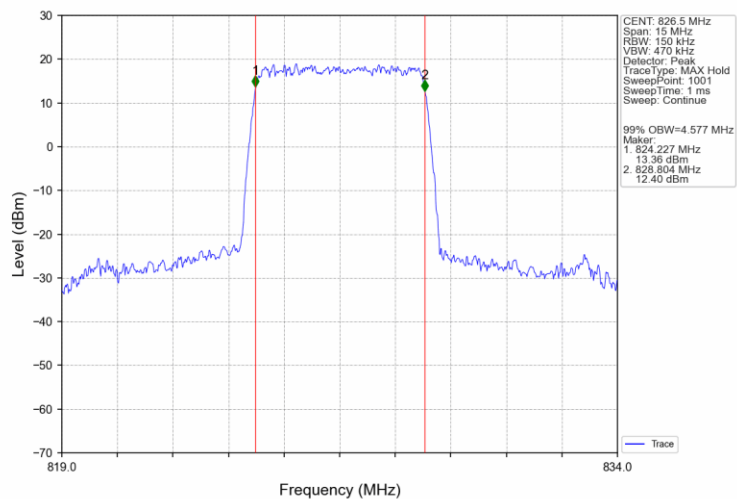
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



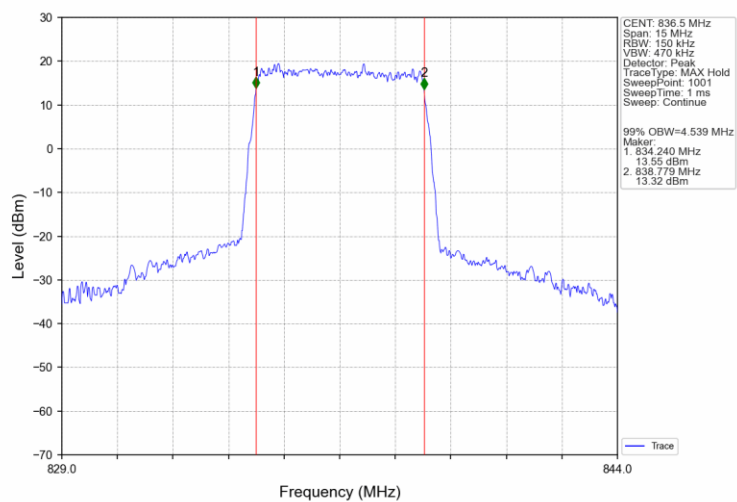


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Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



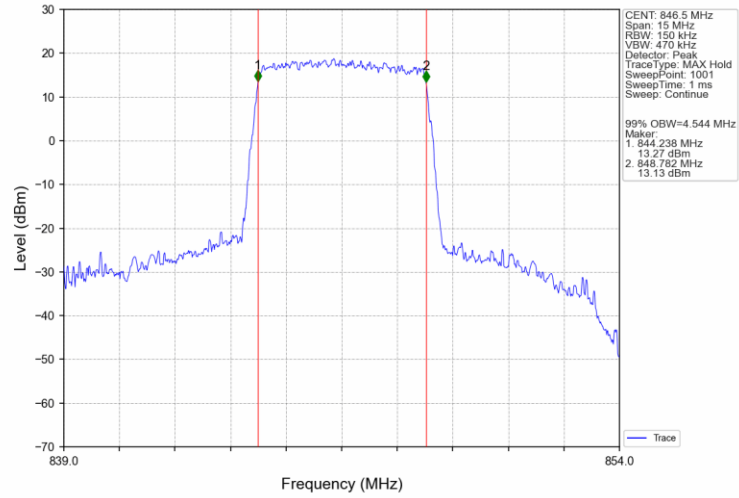
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



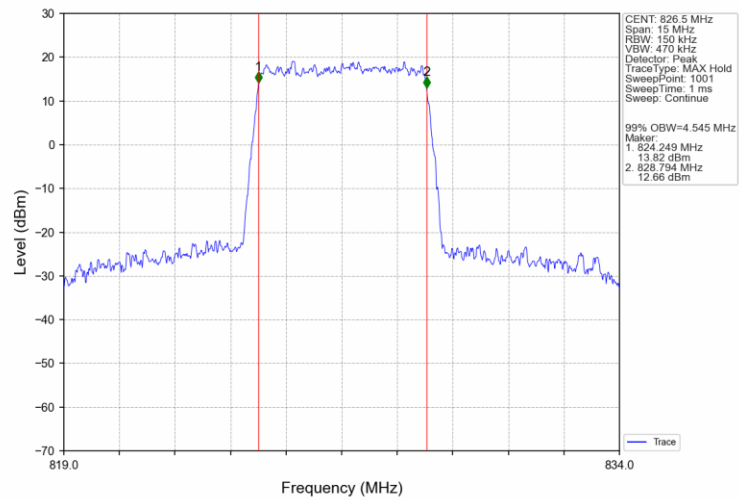


250515148FW6

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



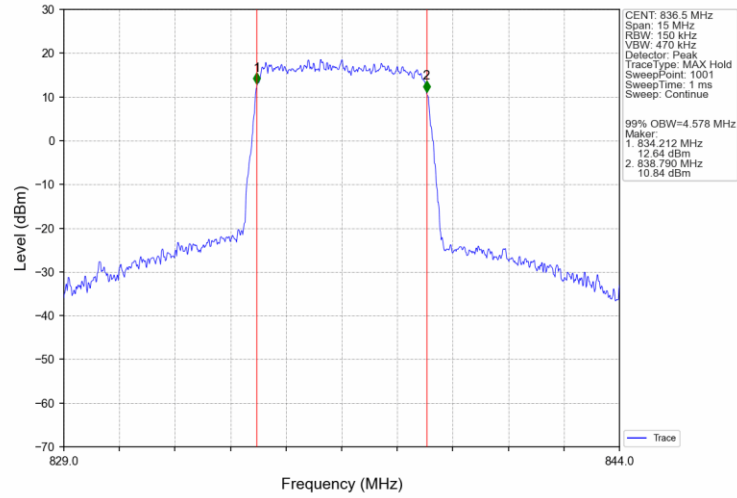
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



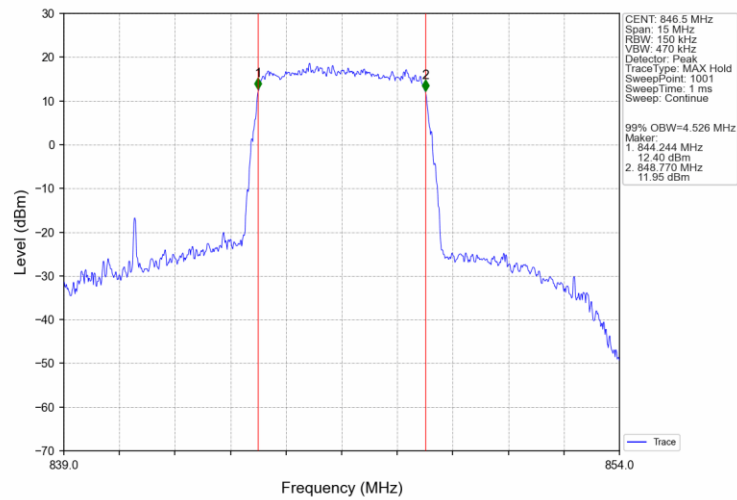


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Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



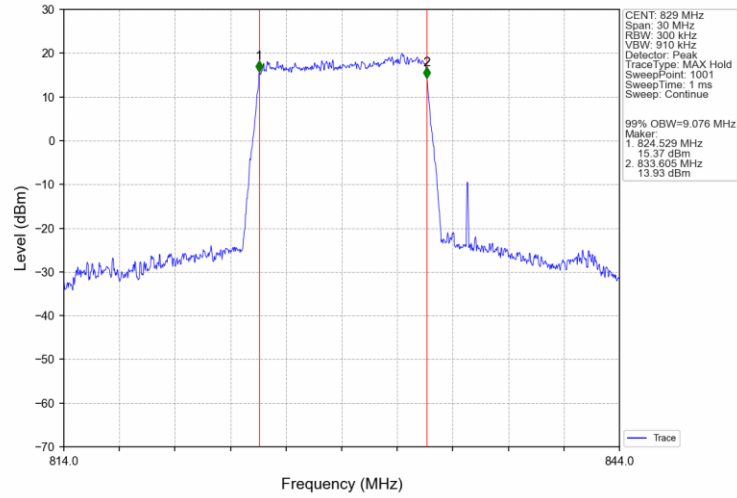
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



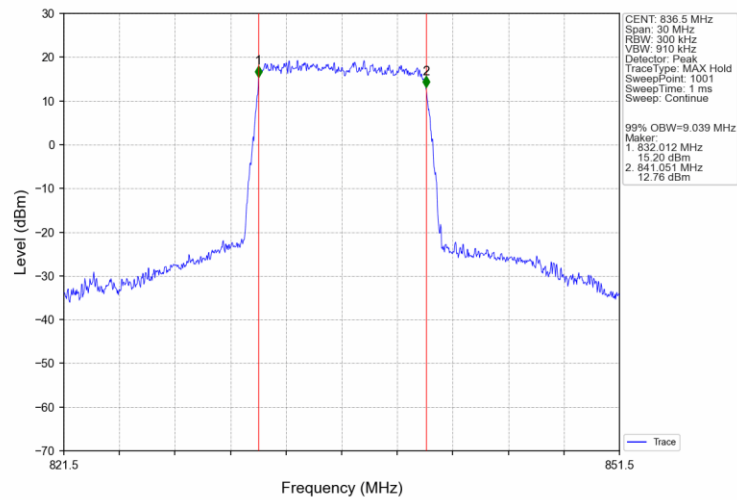


250515148FW6

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



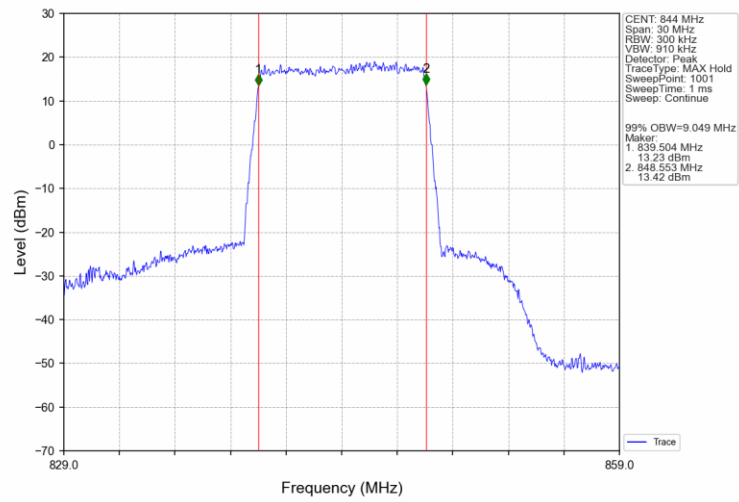
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



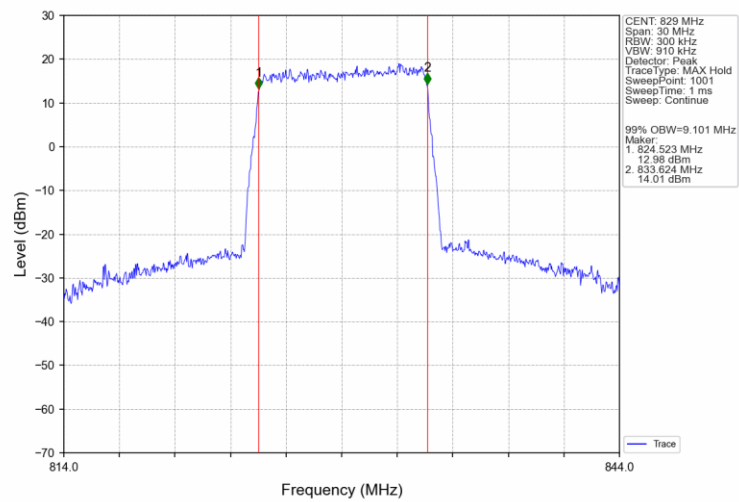


250515148FW6

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



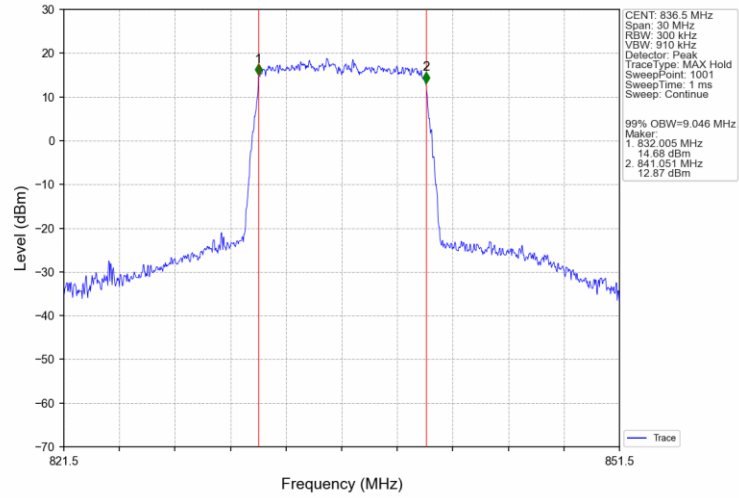
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



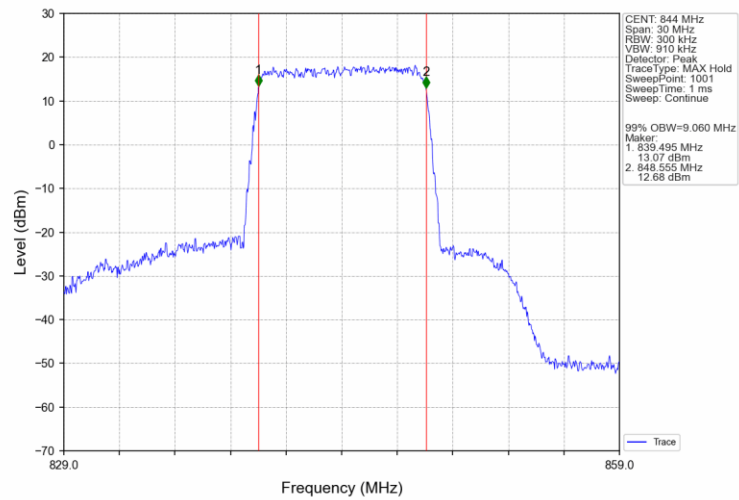


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Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

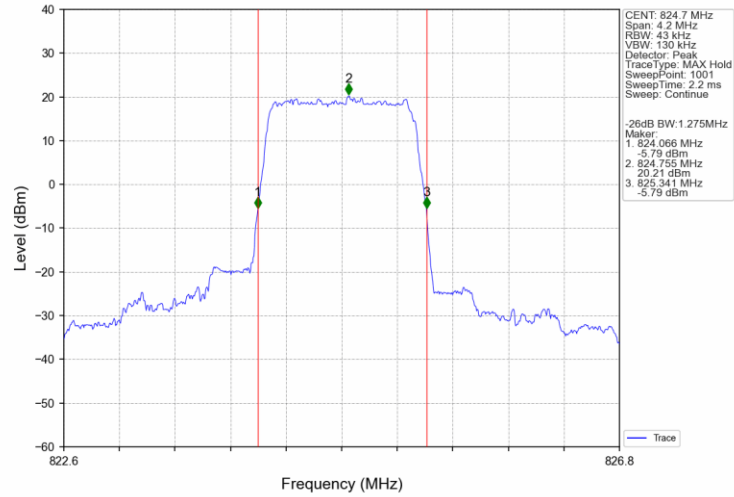


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

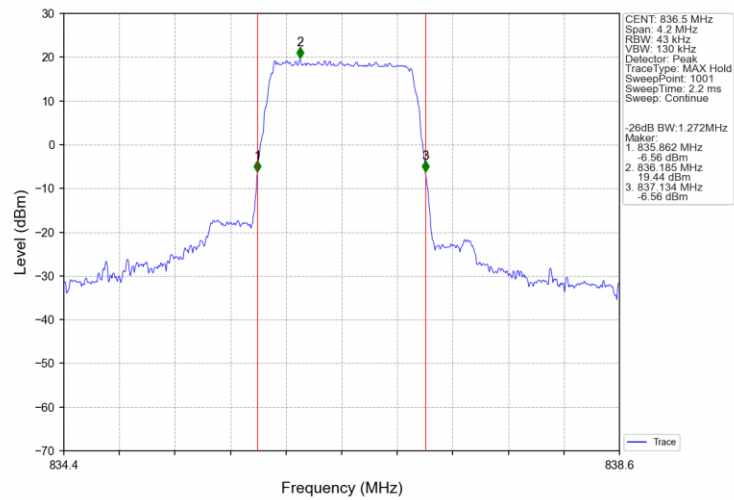


4.2.2 Band5_XDB

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



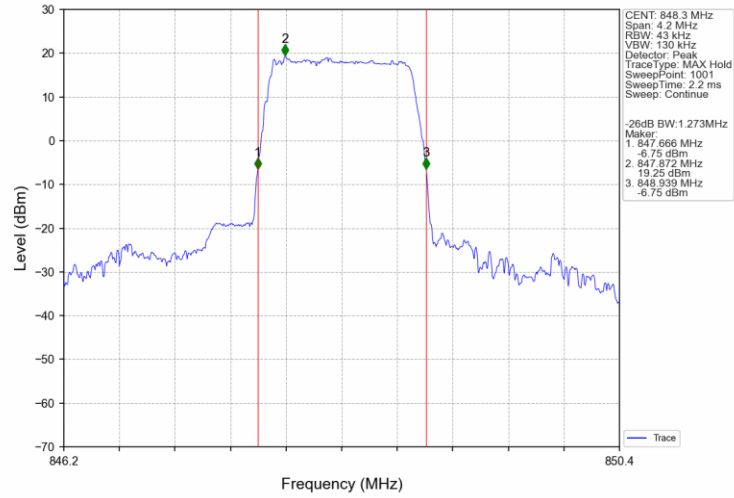
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



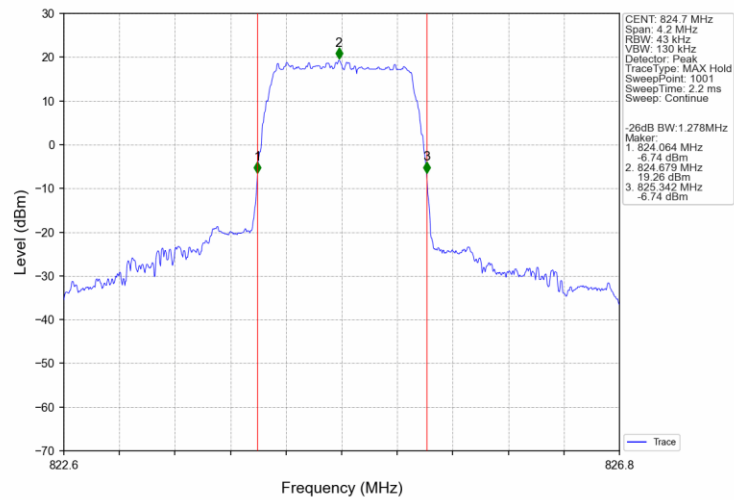


250515148FW6

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



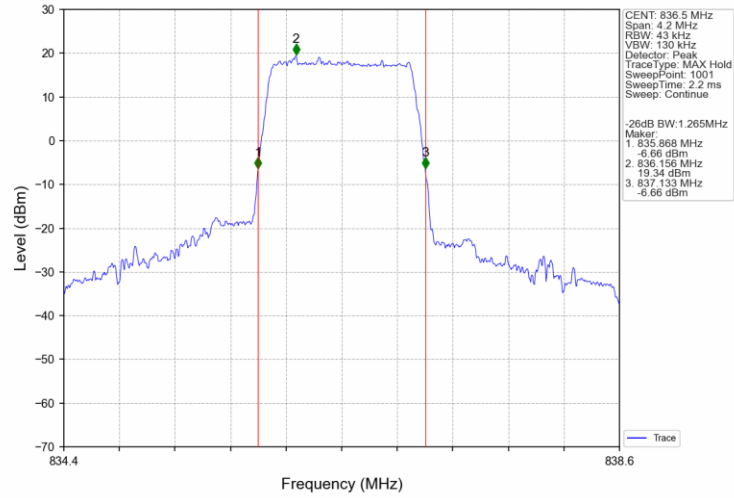
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



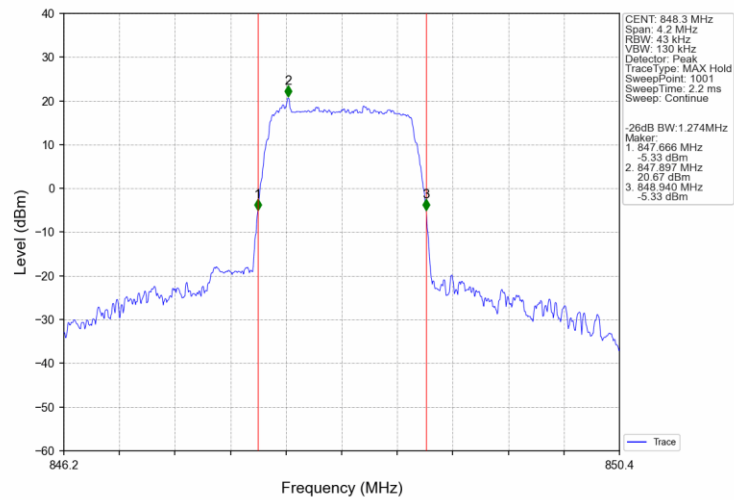


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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



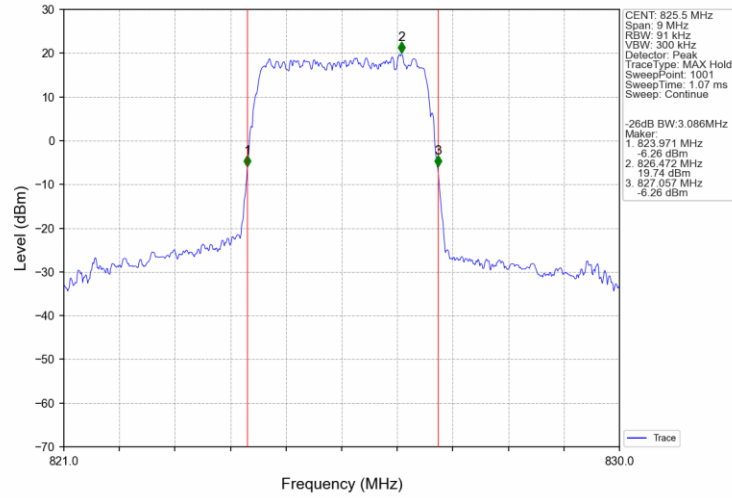
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



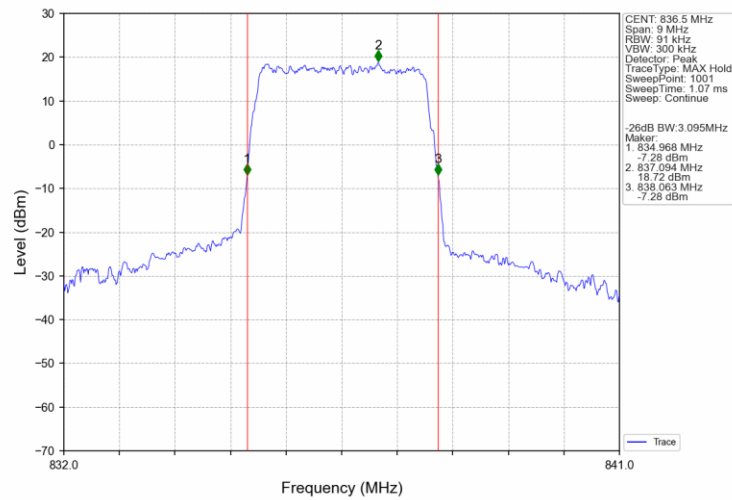


250515148FW6

Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



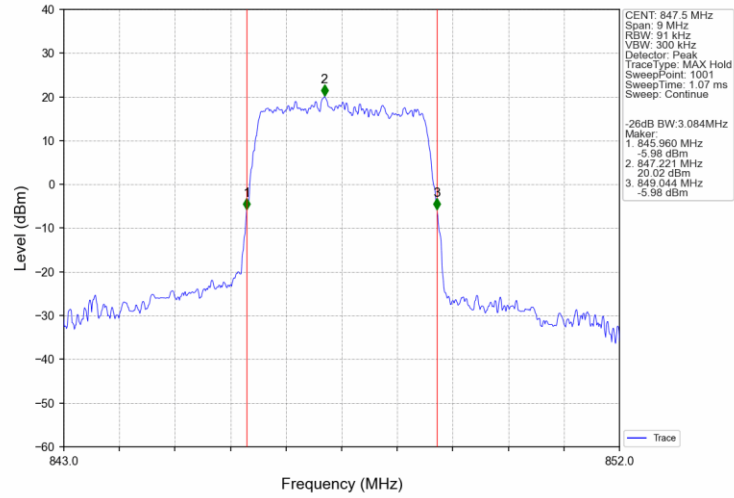
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



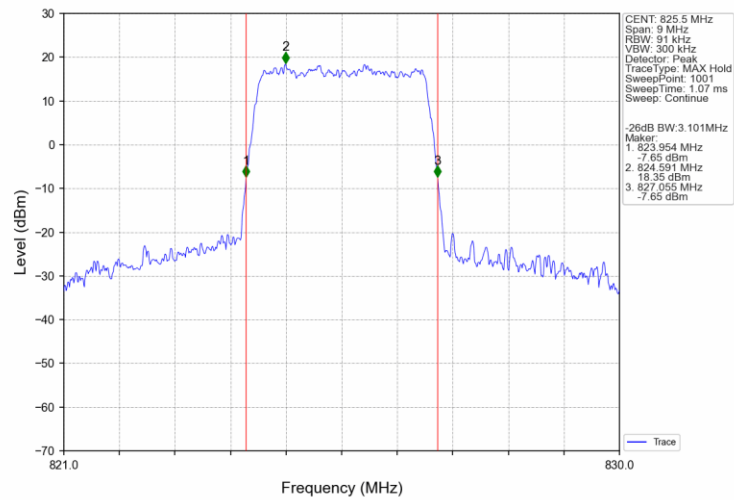


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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



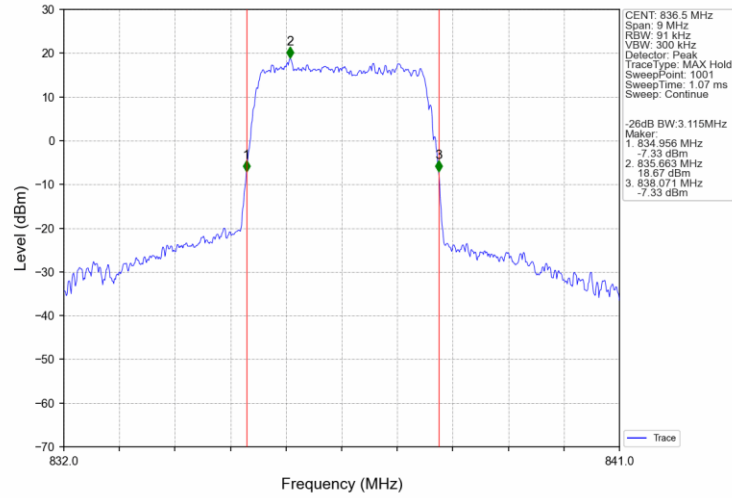
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



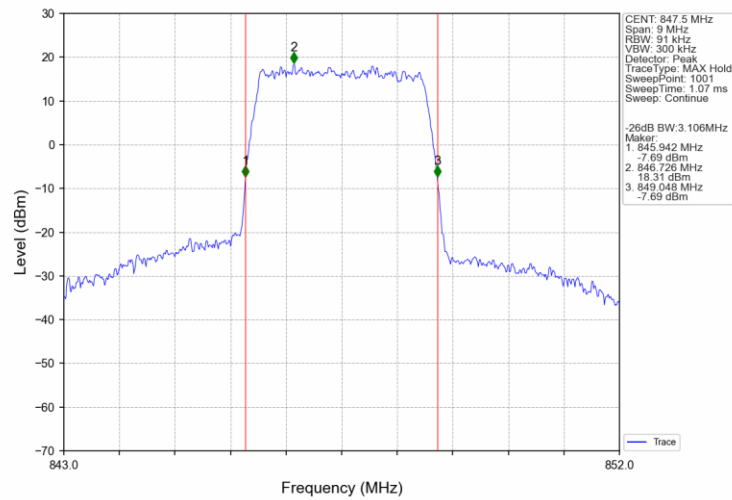


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Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

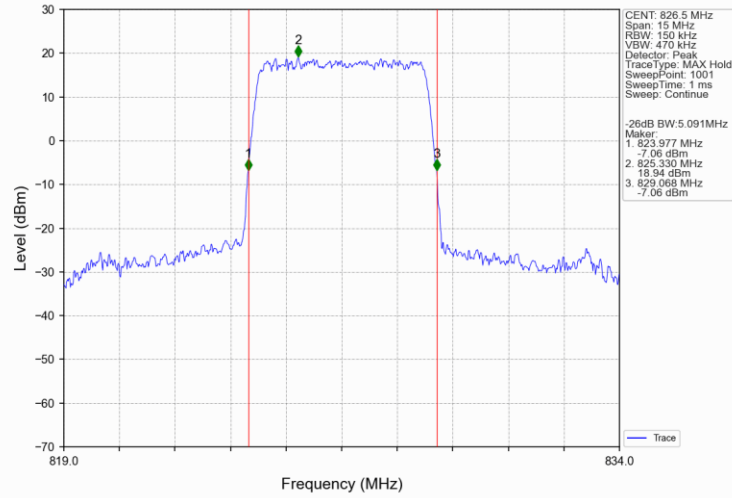


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

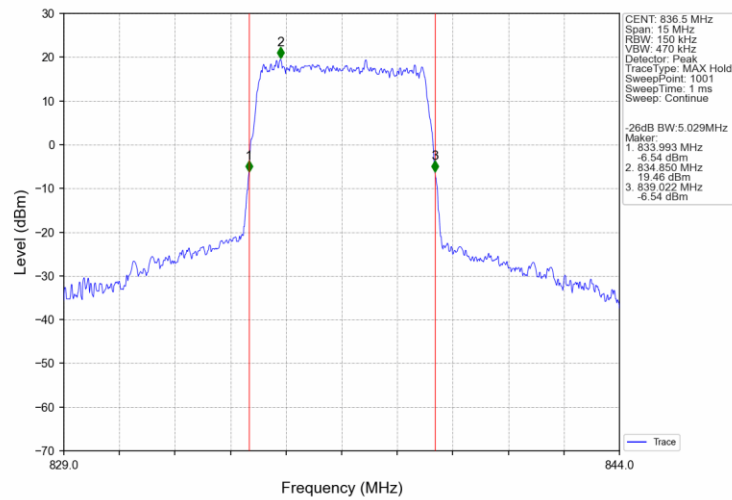


250515148FW6

Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



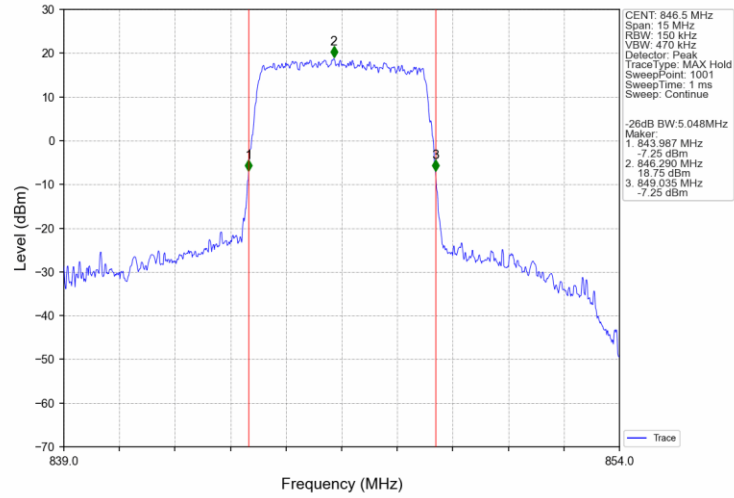
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



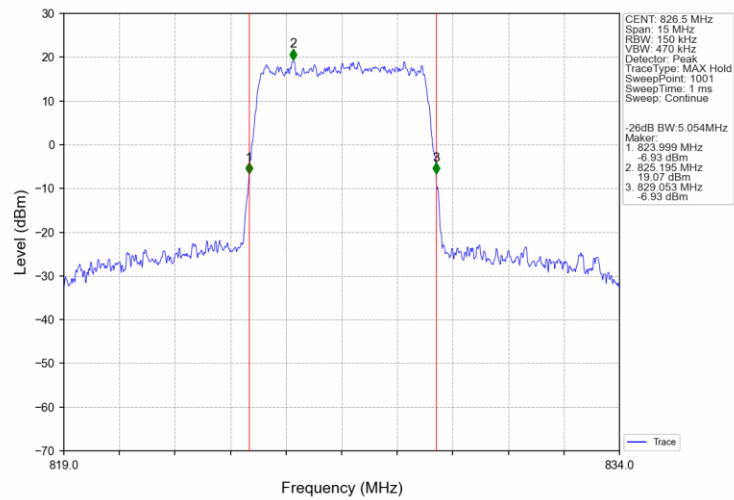


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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



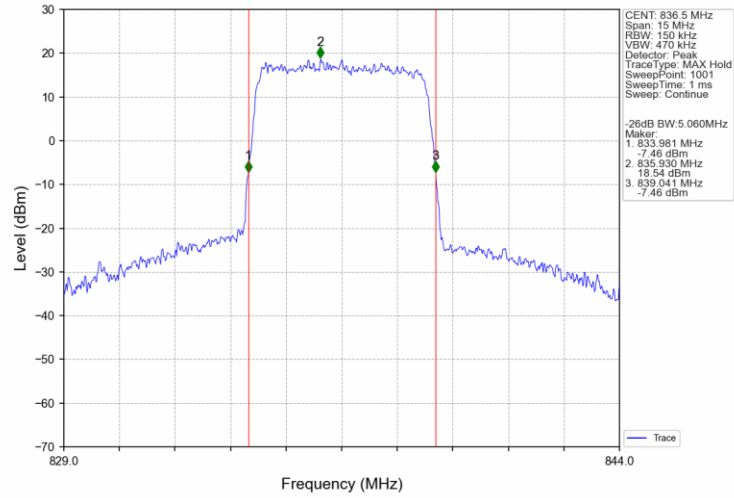
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



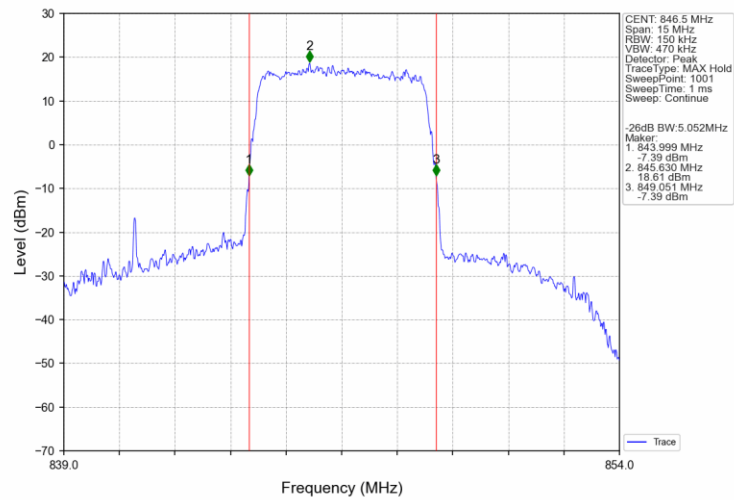


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Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



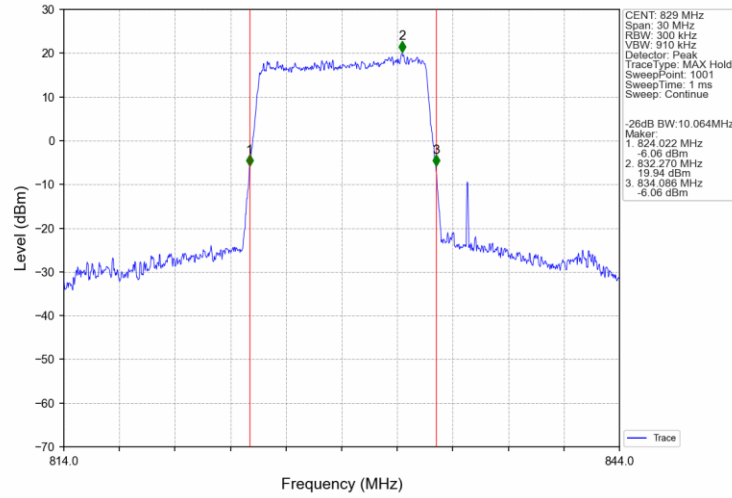
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



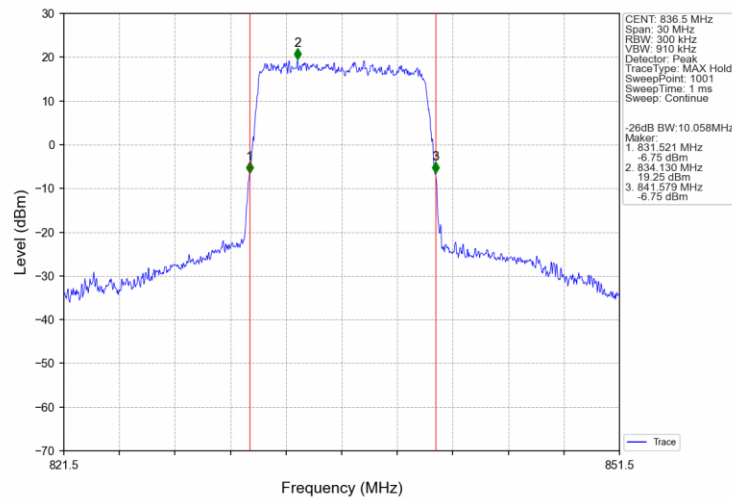


250515148FW6

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



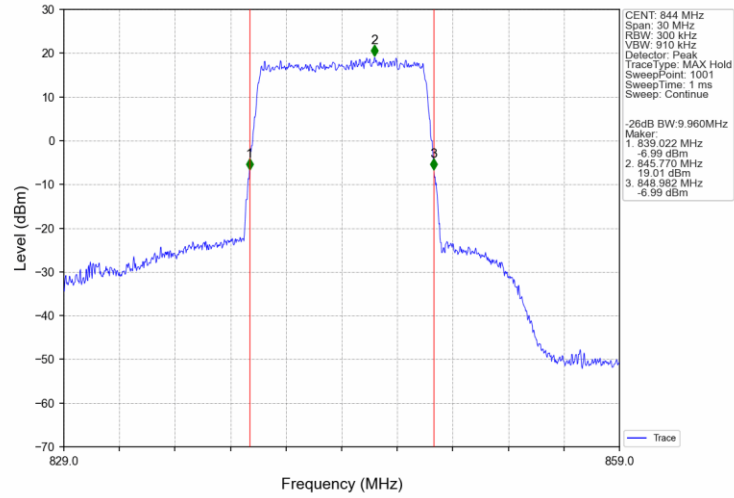
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



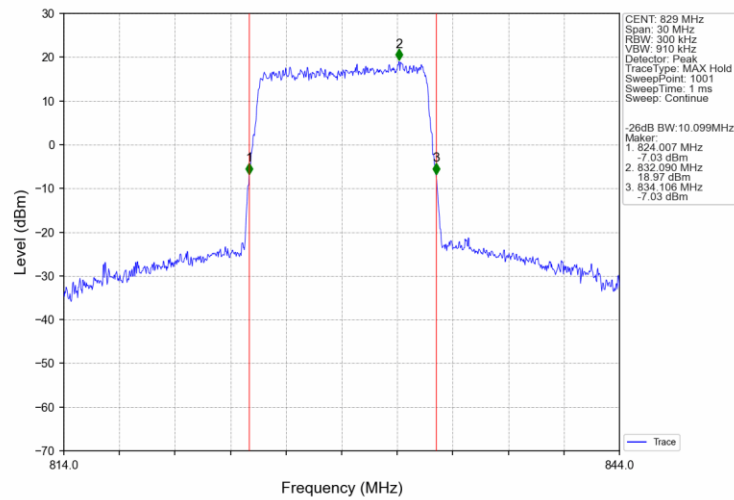


250515148FW6

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



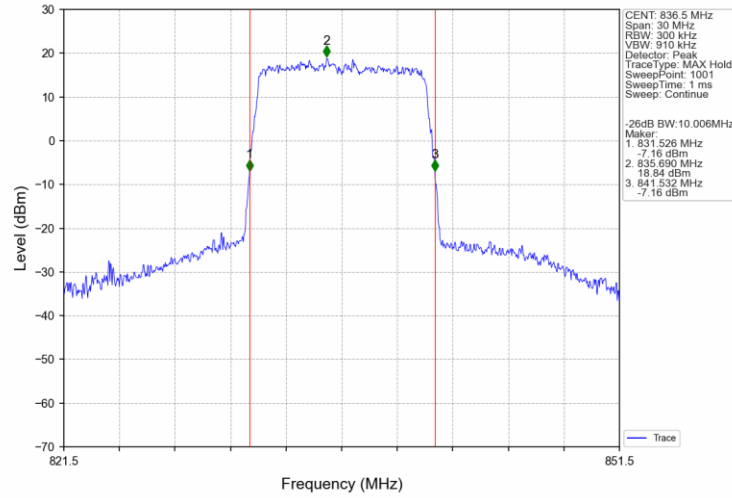
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



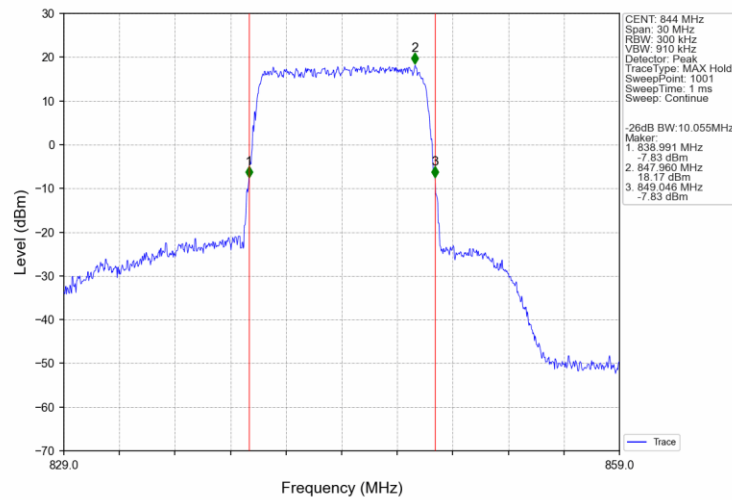


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Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.76	<=13	Pass
	836.5	6	0	5.85	<=13	Pass
	848.3	6	0	5.77	<=13	Pass
16QAM	824.7	6	0	6.49	<=13	Pass
	836.5	6	0	6.72	<=13	Pass
	848.3	6	0	6.41	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.74	<=13	Pass
	836.5	15	0	5.94	<=13	Pass
	847.5	15	0	5.76	<=13	Pass
16QAM	825.5	15	0	6.59	<=13	Pass
	836.5	15	0	6.73	<=13	Pass
	847.5	15	0	6.58	<=13	Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.83	<=13	Pass
	836.5	25	0	5.79	<=13	Pass
	846.5	25	0	5.70	<=13	Pass
16QAM	826.5	25	0	6.42	<=13	Pass
	836.5	25	0	6.61	<=13	Pass
	846.5	25	0	6.47	<=13	Pass

5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.89	<=13	Pass
	836.5	50	0	5.72	<=13	Pass
	844	50	0	5.85	<=13	Pass
16QAM	829	50	0	6.53	<=13	Pass
	836.5	50	0	6.52	<=13	Pass
	844	50	0	6.55	<=13	Pass

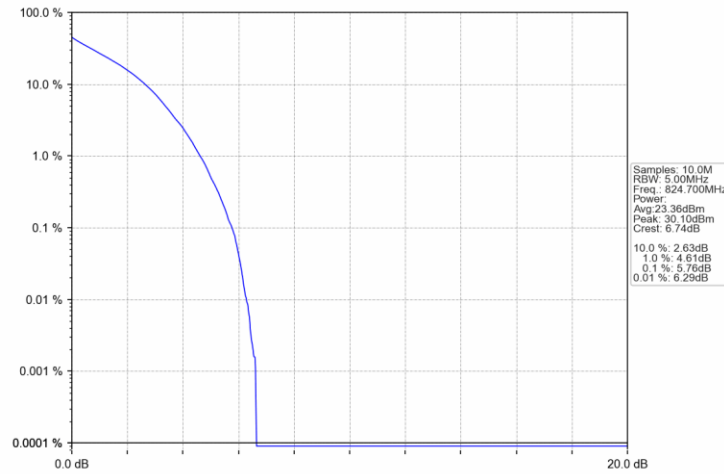


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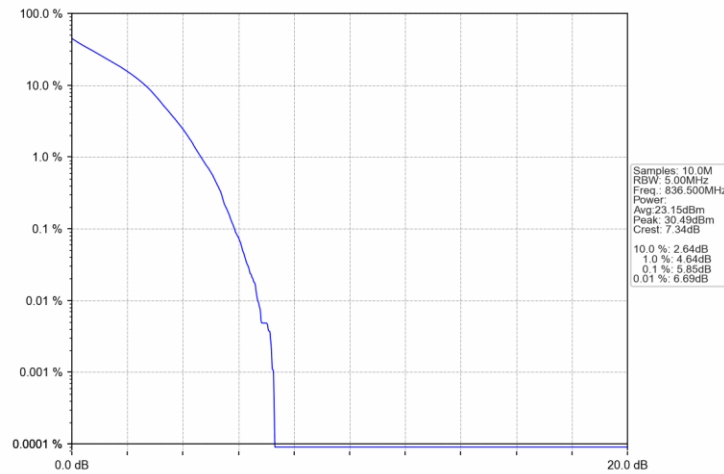
5.2 Test Graph

5.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



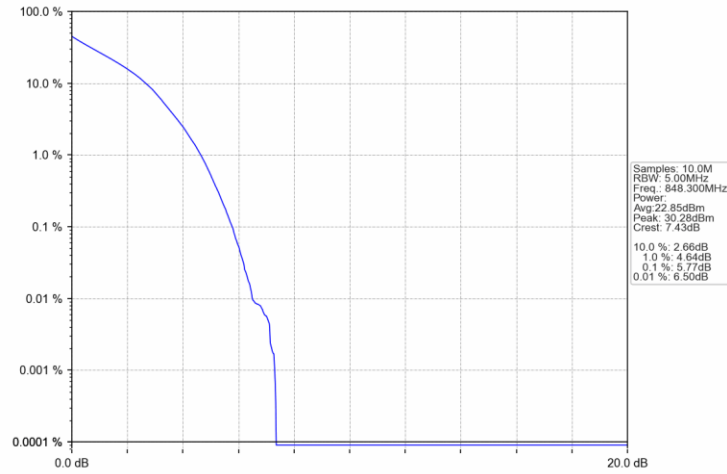
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



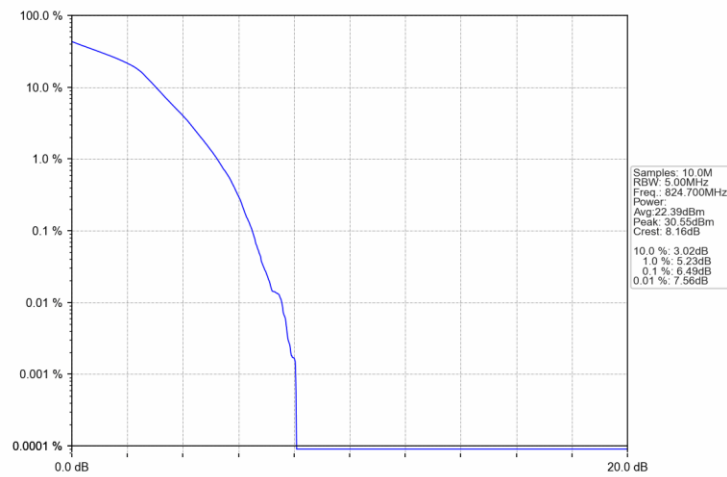


250515148FW6

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



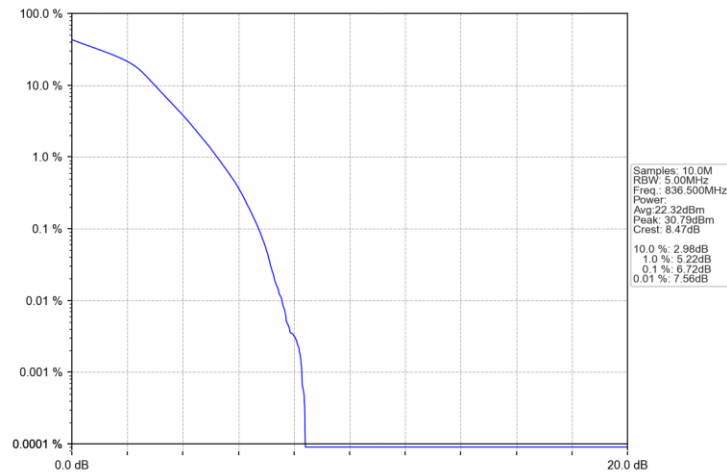
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



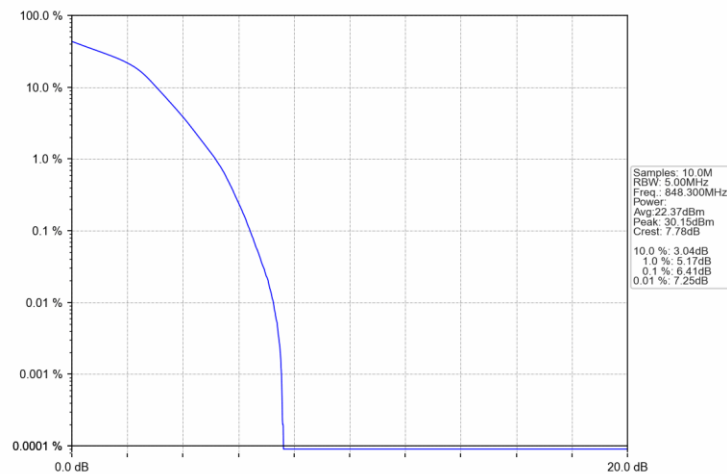


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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

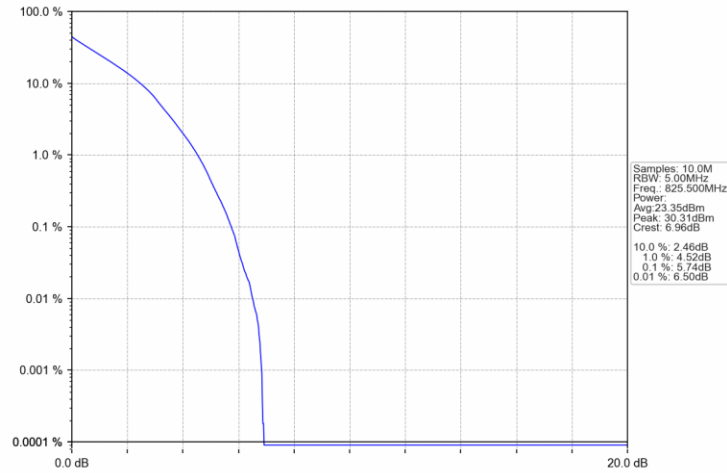


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

