

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	24.51	-0.70	21.66	<=34.77	Pass
			2	24.62	-0.70	21.77	<=34.77	Pass
			5	24.60	-0.70	21.75	<=34.77	Pass
		3	0	24.67	-0.70	21.82	<=34.77	Pass
			2	24.66	-0.70	21.81	<=34.77	Pass
			3	24.67	-0.70	21.82	<=34.77	Pass
		6	0	23.53	-0.70	20.68	<=34.77	Pass
	836.5	1	0	24.47	-0.70	21.62	<=34.77	Pass
			2	24.53	-0.70	21.68	<=34.77	Pass
			5	24.43	-0.70	21.58	<=34.77	Pass
		3	0	24.38	-0.70	21.53	<=34.77	Pass
			2	24.42	-0.70	21.57	<=34.77	Pass
			3	24.37	-0.70	21.52	<=34.77	Pass
		6	0	23.46	-0.70	20.61	<=34.77	Pass
	848.3	1	0	24.49	-0.70	21.64	<=34.77	Pass
			2	24.54	-0.70	21.69	<=34.77	Pass
			5	24.52	-0.70	21.67	<=34.77	Pass
		3	0	24.41	-0.70	21.56	<=34.77	Pass
			2	24.37	-0.70	21.52	<=34.77	Pass
			3	24.44	-0.70	21.59	<=34.77	Pass
		6	0	23.44	-0.70	20.59	<=34.77	Pass
16QAM	824.7	1	0	23.65	-0.70	20.80	<=34.77	Pass
			2	23.70	-0.70	20.85	<=34.77	Pass
			5	23.65	-0.70	20.80	<=34.77	Pass
		3	0	23.27	-0.70	20.42	<=34.77	Pass
			2	23.27	-0.70	20.42	<=34.77	Pass
			3	23.24	-0.70	20.39	<=34.77	Pass
		6	0	22.65	-0.70	19.80	<=34.77	Pass
	836.5	1	0	23.28	-0.70	20.43	<=34.77	Pass
			2	23.24	-0.70	20.39	<=34.77	Pass
			5	23.21	-0.70	20.36	<=34.77	Pass
		3	0	23.14	-0.70	20.29	<=34.77	Pass
			2	23.09	-0.70	20.24	<=34.77	Pass
			3	23.14	-0.70	20.29	<=34.77	Pass
		6	0	22.62	-0.70	19.77	<=34.77	Pass
	848.3	1	0	23.79	-0.70	20.94	<=34.77	Pass
			2	23.76	-0.70	20.91	<=34.77	Pass
			5	24.12	-0.70	21.27	<=34.77	Pass
		3	0	23.14	-0.70	20.29	<=34.77	Pass
			2	23.20	-0.70	20.35	<=34.77	Pass
			3	23.17	-0.70	20.32	<=34.77	Pass
		6	0	23.01	-0.70	20.16	<=34.77	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	24.59	-0.70	21.74	<=34.77	Pass
			7	24.57	-0.70	21.72	<=34.77	Pass
			14	24.56	-0.70	21.71	<=34.77	Pass
		8	0	23.69	-0.70	20.84	<=34.77	Pass
			4	23.67	-0.70	20.82	<=34.77	Pass
			7	23.63	-0.70	20.78	<=34.77	Pass
		15	0	23.66	-0.70	20.81	<=34.77	Pass
	836.5	1	0	24.70	-0.70	21.85	<=34.77	Pass
			7	24.49	-0.70	21.64	<=34.77	Pass
			14	24.43	-0.70	21.58	<=34.77	Pass
		8	0	23.51	-0.70	20.66	<=34.77	Pass
			4	23.32	-0.70	20.47	<=34.77	Pass
			7	23.31	-0.70	20.46	<=34.77	Pass
		15	0	23.50	-0.70	20.65	<=34.77	Pass
	847.5	1	0	24.60	-0.70	21.75	<=34.77	Pass
			7	24.55	-0.70	21.70	<=34.77	Pass
			14	24.56	-0.70	21.71	<=34.77	Pass
		8	0	23.40	-0.70	20.55	<=34.77	Pass
			4	23.41	-0.70	20.56	<=34.77	Pass
			7	23.50	-0.70	20.65	<=34.77	Pass
		15	0	23.45	-0.70	20.60	<=34.77	Pass
16QAM	825.5	1	0	23.30	-0.70	20.45	<=34.77	Pass
			7	23.30	-0.70	20.45	<=34.77	Pass
			14	23.23	-0.70	20.38	<=34.77	Pass
		8	0	22.62	-0.70	19.77	<=34.77	Pass
			4	22.62	-0.70	19.77	<=34.77	Pass
			7	23.21	-0.70	20.36	<=34.77	Pass
		15	0	22.51	-0.70	19.66	<=34.77	Pass
	836.5	1	0	23.49	-0.70	20.64	<=34.77	Pass
			7	23.28	-0.70	20.43	<=34.77	Pass
			14	23.24	-0.70	20.39	<=34.77	Pass
		8	0	23.16	-0.70	20.31	<=34.77	Pass
			4	22.67	-0.70	19.82	<=34.77	Pass
			7	22.66	-0.70	19.81	<=34.77	Pass
		15	0	22.60	-0.70	19.75	<=34.77	Pass
	847.5	1	0	24.12	-0.70	21.27	<=34.77	Pass
			7	24.05	-0.70	21.20	<=34.77	Pass
			14	23.58	-0.70	20.73	<=34.77	Pass
		8	0	22.45	-0.70	19.60	<=34.77	Pass
			4	22.44	-0.70	19.59	<=34.77	Pass
			7	22.90	-0.70	20.05	<=34.77	Pass
		15	0	22.58	-0.70	19.73	<=34.77	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	24.57	-0.70	21.72	<=34.77	Pass
			13	24.49	-0.70	21.64	<=34.77	Pass
			24	24.57	-0.70	21.72	<=34.77	Pass
		12	0	23.63	-0.70	20.78	<=34.77	Pass
			6	23.50	-0.70	20.65	<=34.77	Pass
			13	23.49	-0.70	20.64	<=34.77	Pass
		25	0	23.58	-0.70	20.73	<=34.77	Pass
	836.5	1	0	24.47	-0.70	21.62	<=34.77	Pass
			13	24.20	-0.70	21.35	<=34.77	Pass
			24	24.35	-0.70	21.50	<=34.77	Pass
		12	0	23.50	-0.70	20.65	<=34.77	Pass
			6	23.38	-0.70	20.53	<=34.77	Pass
			13	23.41	-0.70	20.56	<=34.77	Pass
		25	0	23.45	-0.70	20.60	<=34.77	Pass
	846.5	1	0	24.35	-0.70	21.50	<=34.77	Pass
			13	24.44	-0.70	21.59	<=34.77	Pass
			24	24.43	-0.70	21.58	<=34.77	Pass
		12	0	23.29	-0.70	20.44	<=34.77	Pass
			6	23.71	-0.70	20.86	<=34.77	Pass
			13	23.45	-0.70	20.60	<=34.77	Pass
		25	0	23.46	-0.70	20.61	<=34.77	Pass
16QAM	826.5	1	0	23.07	-0.70	20.22	<=34.77	Pass
			13	23.13	-0.70	20.28	<=34.77	Pass
			24	23.08	-0.70	20.23	<=34.77	Pass
		12	0	22.50	-0.70	19.65	<=34.77	Pass
			6	23.04	-0.70	20.19	<=34.77	Pass
			13	23.01	-0.70	20.16	<=34.77	Pass
		25	0	22.99	-0.70	20.14	<=34.77	Pass
	836.5	1	0	23.34	-0.70	20.49	<=34.77	Pass
			13	23.28	-0.70	20.43	<=34.77	Pass
			24	23.33	-0.70	20.48	<=34.77	Pass
		12	0	23.13	-0.70	20.28	<=34.77	Pass
			6	22.57	-0.70	19.72	<=34.77	Pass
			13	22.54	-0.70	19.69	<=34.77	Pass
		25	0	22.42	-0.70	19.57	<=34.77	Pass
	846.5	1	0	23.43	-0.70	20.58	<=34.77	Pass
			13	23.52	-0.70	20.67	<=34.77	Pass
			24	23.45	-0.70	20.60	<=34.77	Pass
		12	0	22.29	-0.70	19.44	<=34.77	Pass
			6	22.30	-0.70	19.45	<=34.77	Pass
			13	22.28	-0.70	19.43	<=34.77	Pass
		25	0	22.38	-0.70	19.53	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	829	1	0	24.63	-0.70	21.78	<=34.77	Pass		
			25	24.63	-0.70	21.78	<=34.77	Pass		
			49	24.52	-0.70	21.67	<=34.77	Pass		
		25	0	23.53	-0.70	20.68	<=34.77	Pass		
			13	23.60	-0.70	20.75	<=34.77	Pass		
			25	23.85	-0.70	21.00	<=34.77	Pass		
		50	0	23.49	-0.70	20.64	<=34.77	Pass		
		836.5	1	0	24.57	-0.70	21.72	<=34.77	Pass	
				25	24.37	-0.70	21.52	<=34.77	Pass	
	49			24.47	-0.70	21.62	<=34.77	Pass		
	25		0	23.48	-0.70	20.63	<=34.77	Pass		
			13	23.48	-0.70	20.63	<=34.77	Pass		
			25	23.46	-0.70	20.61	<=34.77	Pass		
	50		0	23.50	-0.70	20.65	<=34.77	Pass		
	844		1	0	24.46	-0.70	21.61	<=34.77	Pass	
				25	24.48	-0.70	21.63	<=34.77	Pass	
		49		24.47	-0.70	21.62	<=34.77	Pass		
		25	0	23.47	-0.70	20.62	<=34.77	Pass		
			13	23.42	-0.70	20.57	<=34.77	Pass		
			25	23.50	-0.70	20.65	<=34.77	Pass		
		50	0	23.37	-0.70	20.52	<=34.77	Pass		
		16QAM	829	1	0	23.16	-0.70	20.31	<=34.77	Pass
					25	23.16	-0.70	20.31	<=34.77	Pass
	49				23.14	-0.70	20.29	<=34.77	Pass	
	25			0	23.02	-0.70	20.17	<=34.77	Pass	
				13	22.57	-0.70	19.72	<=34.77	Pass	
				25	22.91	-0.70	20.06	<=34.77	Pass	
	50			0	22.50	-0.70	19.65	<=34.77	Pass	
	836.5			1	0	23.64	-0.70	20.79	<=34.77	Pass
25					23.27	-0.70	20.42	<=34.77	Pass	
49			23.38		-0.70	20.53	<=34.77	Pass		
25			0	23.05	-0.70	20.20	<=34.77	Pass		
			13	22.56	-0.70	19.71	<=34.77	Pass		
			25	23.03	-0.70	20.18	<=34.77	Pass		
50			0	22.42	-0.70	19.57	<=34.77	Pass		
844			1	0	23.35	-0.70	20.50	<=34.77	Pass	
				25	23.35	-0.70	20.50	<=34.77	Pass	
	49			23.30	-0.70	20.45	<=34.77	Pass		
	25		0	22.64	-0.70	19.79	<=34.77	Pass		
			13	22.99	-0.70	20.14	<=34.77	Pass		
			25	22.48	-0.70	19.63	<=34.77	Pass		
	50		0	22.89	-0.70	20.04	<=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	3.15	-33.674	-0.0408	-2.5 to 2.5	Pass
					3.70	-10.543	-0.0128	-2.5 to 2.5	Pass
					4.26	-15.521	-0.0188	-2.5 to 2.5	Pass
				-30	3.70	-8.612	-0.0104	-2.5 to 2.5	Pass
				-20	3.70	-37.436	-0.0454	-2.5 to 2.5	Pass
				-10	3.70	-31.300	-0.0380	-2.5 to 2.5	Pass
				0	3.70	-12.717	-0.0154	-2.5 to 2.5	Pass
				10	3.70	-15.836	-0.0192	-2.5 to 2.5	Pass
				30	3.70	-16.336	-0.0198	-2.5 to 2.5	Pass
				40	3.70	-6.824	-0.0083	-2.5 to 2.5	Pass
				50	3.70	-41.142	-0.0499	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	6.895	0.0082	-2.5 to 2.5	Pass
					3.70	-14.033	-0.0168	-2.5 to 2.5	Pass
					4.26	-26.364	-0.0315	-2.5 to 2.5	Pass
				-30	3.70	-34.847	-0.0417	-2.5 to 2.5	Pass
				-20	3.70	-38.652	-0.0462	-2.5 to 2.5	Pass
				-10	3.70	4.134	0.0049	-2.5 to 2.5	Pass
				0	3.70	-2.103	-0.0025	-2.5 to 2.5	Pass
				10	3.70	-4.005	-0.0048	-2.5 to 2.5	Pass
				30	3.70	-7.811	-0.0093	-2.5 to 2.5	Pass
				40	3.70	-17.266	-0.0206	-2.5 to 2.5	Pass
				50	3.70	-18.482	-0.0221	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	11.458	0.0135	-2.5 to 2.5	Pass
					3.70	-23.017	-0.0271	-2.5 to 2.5	Pass
					4.26	-41.957	-0.0495	-2.5 to 2.5	Pass
				-30	3.70	-46.077	-0.0543	-2.5 to 2.5	Pass
				-20	3.70	-39.811	-0.0469	-2.5 to 2.5	Pass
				-10	3.70	-21.029	-0.0248	-2.5 to 2.5	Pass
				0	3.70	-1.273	-0.0015	-2.5 to 2.5	Pass
				10	3.70	-24.805	-0.0292	-2.5 to 2.5	Pass
				30	3.70	-40.927	-0.0482	-2.5 to 2.5	Pass
				40	3.70	-13.003	-0.0153	-2.5 to 2.5	Pass
				50	3.70	-29.984	-0.0353	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.15	-15.821	-0.0192	-2.5 to 2.5	Pass
					3.70	22.130	0.0268	-2.5 to 2.5	Pass
					4.26	24.362	0.0295	-2.5 to 2.5	Pass
				-30	3.70	27.709	0.0336	-2.5 to 2.5	Pass
				-20	3.70	30.098	0.0365	-2.5 to 2.5	Pass
				-10	3.70	24.977	0.0303	-2.5 to 2.5	Pass
				0	3.70	16.308	0.0198	-2.5 to 2.5	Pass
				10	3.70	7.739	0.0094	-2.5 to 2.5	Pass
				30	3.70	-8.554	-0.0104	-2.5 to 2.5	Pass
				40	3.70	-17.581	-0.0213	-2.5 to 2.5	Pass
				50	3.70	-25.277	-0.0306	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	-16.809	-0.0201	-2.5 to 2.5	Pass
					3.70	23.332	0.0279	-2.5 to 2.5	Pass
					4.26	45.118	0.0539	-2.5 to 2.5	Pass
				-30	3.70	1.659	0.0020	-2.5 to 2.5	Pass
				-20	3.70	7.181	0.0086	-2.5 to 2.5	Pass
				-10	3.70	8.454	0.0101	-2.5 to 2.5	Pass

				0	3.70	9.885	0.0118	-2.5 to 2.5	Pass
				10	3.70	15.192	0.0182	-2.5 to 2.5	Pass
				30	3.70	12.846	0.0154	-2.5 to 2.5	Pass
				40	3.70	16.193	0.0194	-2.5 to 2.5	Pass
				50	3.70	13.819	0.0165	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	-43.316	-0.0511	-2.5 to 2.5	Pass
					3.70	-14.863	-0.0175	-2.5 to 2.5	Pass
					4.26	-6.065	-0.0071	-2.5 to 2.5	Pass
				-30	3.70	-2.174	-0.0026	-2.5 to 2.5	Pass
				-20	3.70	-8.025	-0.0095	-2.5 to 2.5	Pass
				-10	3.70	-9.727	-0.0115	-2.5 to 2.5	Pass
				0	3.70	-15.478	-0.0182	-2.5 to 2.5	Pass
				10	3.70	-17.796	-0.0210	-2.5 to 2.5	Pass
				30	3.70	-23.646	-0.0279	-2.5 to 2.5	Pass
				40	3.70	-27.351	-0.0322	-2.5 to 2.5	Pass
				50	3.70	-32.244	-0.0380	-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	3.15	19.240	0.0233	-2.5 to 2.5	Pass
					3.70	-34.146	-0.0414	-2.5 to 2.5	Pass
					4.26	-36.607	-0.0443	-2.5 to 2.5	Pass
				-30	3.70	-26.951	-0.0326	-2.5 to 2.5	Pass
				-20	3.70	-4.034	-0.0049	-2.5 to 2.5	Pass
				-10	3.70	-21.701	-0.0263	-2.5 to 2.5	Pass
				0	3.70	-37.708	-0.0457	-2.5 to 2.5	Pass
				10	3.70	-0.601	-0.0007	-2.5 to 2.5	Pass
				30	3.70	-4.835	-0.0059	-2.5 to 2.5	Pass
				40	3.70	-13.762	-0.0167	-2.5 to 2.5	Pass
				50	3.70	-21.257	-0.0258	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	4.935	0.0059	-2.5 to 2.5	Pass
					3.70	0.644	0.0008	-2.5 to 2.5	Pass
					4.26	-3.319	-0.0040	-2.5 to 2.5	Pass
				-30	3.70	-2.975	-0.0036	-2.5 to 2.5	Pass
				-20	3.70	-4.921	-0.0059	-2.5 to 2.5	Pass
				-10	3.70	-4.649	-0.0056	-2.5 to 2.5	Pass
				0	3.70	-1.388	-0.0017	-2.5 to 2.5	Pass
				10	3.70	1.059	0.0013	-2.5 to 2.5	Pass
				30	3.70	5.493	0.0066	-2.5 to 2.5	Pass
				40	3.70	6.366	0.0076	-2.5 to 2.5	Pass
				50	3.70	2.961	0.0035	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	13.547	0.0160	-2.5 to 2.5	Pass
					3.70	-20.785	-0.0245	-2.5 to 2.5	Pass
					4.26	-12.932	-0.0153	-2.5 to 2.5	Pass
				-30	3.70	-10.371	-0.0122	-2.5 to 2.5	Pass
				-20	3.70	-40.569	-0.0479	-2.5 to 2.5	Pass
				-10	3.70	-13.061	-0.0154	-2.5 to 2.5	Pass
				0	3.70	-29.669	-0.0350	-2.5 to 2.5	Pass
				10	3.70	-45.075	-0.0532	-2.5 to 2.5	Pass
				30	3.70	-7.696	-0.0091	-2.5 to 2.5	Pass
				40	3.70	-16.894	-0.0199	-2.5 to 2.5	Pass
				50	3.70	-31.714	-0.0374	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.15	-28.510	-0.0345	-2.5 to 2.5	Pass
					3.70	27.051	0.0328	-2.5 to 2.5	Pass
					4.26	8.011	0.0097	-2.5 to 2.5	Pass

				-30	3.70	20.685	0.0251	-2.5 to 2.5	Pass
				-20	3.70	26.450	0.0320	-2.5 to 2.5	Pass
				-10	3.70	29.011	0.0351	-2.5 to 2.5	Pass
				0	3.70	34.919	0.0423	-2.5 to 2.5	Pass
				10	3.70	38.724	0.0469	-2.5 to 2.5	Pass
				30	3.70	38.280	0.0464	-2.5 to 2.5	Pass
				40	3.70	39.411	0.0477	-2.5 to 2.5	Pass
				50	3.70	39.825	0.0482	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	6.738	0.0081	-2.5 to 2.5	Pass
					3.70	4.563	0.0055	-2.5 to 2.5	Pass
					4.26	27.452	0.0328	-2.5 to 2.5	Pass
				-30	3.70	46.678	0.0558	-2.5 to 2.5	Pass
				-20	3.70	3.376	0.0040	-2.5 to 2.5	Pass
				-10	3.70	9.713	0.0116	-2.5 to 2.5	Pass
				0	3.70	11.516	0.0138	-2.5 to 2.5	Pass
				10	3.70	18.511	0.0221	-2.5 to 2.5	Pass
				30	3.70	29.526	0.0353	-2.5 to 2.5	Pass
				40	3.70	37.451	0.0448	-2.5 to 2.5	Pass
				50	3.70	40.727	0.0487	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	-36.879	-0.0435	-2.5 to 2.5	Pass
					3.70	13.862	0.0164	-2.5 to 2.5	Pass
					4.26	38.466	0.0454	-2.5 to 2.5	Pass
				-30	3.70	4.649	0.0055	-2.5 to 2.5	Pass
				-20	3.70	14.977	0.0177	-2.5 to 2.5	Pass
				-10	3.70	23.360	0.0276	-2.5 to 2.5	Pass
				0	3.70	31.643	0.0373	-2.5 to 2.5	Pass
				10	3.70	35.520	0.0419	-2.5 to 2.5	Pass
				30	3.70	35.992	0.0425	-2.5 to 2.5	Pass
				40	3.70	34.461	0.0407	-2.5 to 2.5	Pass
				50	3.70	30.513	0.0360	-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	3.15	-5.322	-0.0064	-2.5 to 2.5	Pass
					3.70	-42.043	-0.0509	-2.5 to 2.5	Pass
					4.26	-39.339	-0.0476	-2.5 to 2.5	Pass
				-30	3.70	-30.241	-0.0366	-2.5 to 2.5	Pass
				-20	3.70	-4.807	-0.0058	-2.5 to 2.5	Pass
				-10	3.70	-23.303	-0.0282	-2.5 to 2.5	Pass
				0	3.70	-32.787	-0.0397	-2.5 to 2.5	Pass
				10	3.70	-44.904	-0.0543	-2.5 to 2.5	Pass
				30	3.70	-4.678	-0.0057	-2.5 to 2.5	Pass
				40	3.70	-11.816	-0.0143	-2.5 to 2.5	Pass
				50	3.70	-19.856	-0.0240	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	7.138	0.0085	-2.5 to 2.5	Pass
					3.70	7.296	0.0087	-2.5 to 2.5	Pass
					4.26	11.973	0.0143	-2.5 to 2.5	Pass
				-30	3.70	20.070	0.0240	-2.5 to 2.5	Pass
				-20	3.70	23.947	0.0286	-2.5 to 2.5	Pass
				-10	3.70	29.211	0.0349	-2.5 to 2.5	Pass
				0	3.70	29.054	0.0347	-2.5 to 2.5	Pass
				10	3.70	36.392	0.0435	-2.5 to 2.5	Pass
				30	3.70	41.041	0.0491	-2.5 to 2.5	Pass
				40	3.70	42.572	0.0509	-2.5 to 2.5	Pass
				50	3.70	45.633	0.0546	-2.5 to 2.5	Pass

	846.5	25	0	20	3.15	17.509	0.0207	-2.5 to 2.5	Pass
					3.70	-37.851	-0.0447	-2.5 to 2.5	Pass
					4.26	-14.119	-0.0167	-2.5 to 2.5	Pass
				-30	3.70	-4.621	-0.0055	-2.5 to 2.5	Pass
				-20	3.70	-28.825	-0.0341	-2.5 to 2.5	Pass
				-10	3.70	-46.692	-0.0552	-2.5 to 2.5	Pass
				0	3.70	-12.932	-0.0153	-2.5 to 2.5	Pass
				10	3.70	-20.528	-0.0243	-2.5 to 2.5	Pass
				30	3.70	-25.620	-0.0303	-2.5 to 2.5	Pass
				40	3.70	-35.291	-0.0417	-2.5 to 2.5	Pass
				50	3.70	-41.056	-0.0485	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.15	-26.250	-0.0318	-2.5 to 2.5	Pass
					3.70	-0.286	-0.0003	-2.5 to 2.5	Pass
					4.26	10.414	0.0126	-2.5 to 2.5	Pass
				-30	3.70	15.063	0.0182	-2.5 to 2.5	Pass
				-20	3.70	16.580	0.0201	-2.5 to 2.5	Pass
				-10	3.70	19.598	0.0237	-2.5 to 2.5	Pass
				0	3.70	22.531	0.0273	-2.5 to 2.5	Pass
				10	3.70	24.004	0.0290	-2.5 to 2.5	Pass
				30	3.70	23.704	0.0287	-2.5 to 2.5	Pass
				40	3.70	24.648	0.0298	-2.5 to 2.5	Pass
				50	3.70	25.291	0.0306	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	3.176	0.0038	-2.5 to 2.5	Pass
					3.70	4.907	0.0059	-2.5 to 2.5	Pass
					4.26	29.411	0.0352	-2.5 to 2.5	Pass
				-30	3.70	43.387	0.0519	-2.5 to 2.5	Pass
				-20	3.70	3.376	0.0040	-2.5 to 2.5	Pass
				-10	3.70	3.848	0.0046	-2.5 to 2.5	Pass
				0	3.70	8.812	0.0105	-2.5 to 2.5	Pass
				10	3.70	16.036	0.0192	-2.5 to 2.5	Pass
				30	3.70	26.522	0.0317	-2.5 to 2.5	Pass
				40	3.70	30.341	0.0363	-2.5 to 2.5	Pass
				50	3.70	38.824	0.0464	-2.5 to 2.5	Pass
	846.5	25	0	20	3.15	1.130	0.0013	-2.5 to 2.5	Pass
					3.70	0.958	0.0011	-2.5 to 2.5	Pass
					4.26	23.603	0.0279	-2.5 to 2.5	Pass
				-30	3.70	37.823	0.0447	-2.5 to 2.5	Pass
				-20	3.70	5.593	0.0066	-2.5 to 2.5	Pass
				-10	3.70	14.777	0.0175	-2.5 to 2.5	Pass
				0	3.70	17.910	0.0212	-2.5 to 2.5	Pass
				10	3.70	23.017	0.0272	-2.5 to 2.5	Pass
				30	3.70	30.026	0.0355	-2.5 to 2.5	Pass
				40	3.70	32.630	0.0385	-2.5 to 2.5	Pass
				50	3.70	26.708	0.0316	-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	3.15	-29.683	-0.0358	-2.5 to 2.5	Pass
					3.70	-45.033	-0.0543	-2.5 to 2.5	Pass
					4.26	-24.605	-0.0297	-2.5 to 2.5	Pass
				-30	3.70	-15.736	-0.0190	-2.5 to 2.5	Pass
				-20	3.70	-33.889	-0.0409	-2.5 to 2.5	Pass
				-10	3.70	-43.488	-0.0525	-2.5 to 2.5	Pass
				0	3.70	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	3.70	-8.068	-0.0097	-2.5 to 2.5	Pass

				30	3.70	-14.520	-0.0175	-2.5 to 2.5	Pass
				40	3.70	-21.658	-0.0261	-2.5 to 2.5	Pass
				50	3.70	-26.579	-0.0321	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	33.445	0.0400	-2.5 to 2.5	Pass
					3.70	-40.884	-0.0489	-2.5 to 2.5	Pass
					4.26	-18.554	-0.0222	-2.5 to 2.5	Pass
				-30	3.70	-28.667	-0.0343	-2.5 to 2.5	Pass
				-20	3.70	-38.180	-0.0456	-2.5 to 2.5	Pass
				-10	3.70	-41.442	-0.0495	-2.5 to 2.5	Pass
				0	3.70	-46.134	-0.0552	-2.5 to 2.5	Pass
				10	3.70	-6.852	-0.0082	-2.5 to 2.5	Pass
				30	3.70	-8.440	-0.0101	-2.5 to 2.5	Pass
				40	3.70	-8.941	-0.0107	-2.5 to 2.5	Pass
				50	3.70	-18.024	-0.0215	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-2.060	-0.0024	-2.5 to 2.5	Pass
					3.70	-16.680	-0.0198	-2.5 to 2.5	Pass
					4.26	-33.445	-0.0396	-2.5 to 2.5	Pass
				-30	3.70	-18.754	-0.0222	-2.5 to 2.5	Pass
				-20	3.70	-31.915	-0.0378	-2.5 to 2.5	Pass
				-10	3.70	-8.898	-0.0105	-2.5 to 2.5	Pass
				0	3.70	-22.659	-0.0268	-2.5 to 2.5	Pass
				10	3.70	-32.544	-0.0386	-2.5 to 2.5	Pass
				30	3.70	-41.242	-0.0489	-2.5 to 2.5	Pass
				40	3.70	-48.265	-0.0572	-2.5 to 2.5	Pass
				50	3.70	-5.593	-0.0066	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.15	-19.727	-0.0238	-2.5 to 2.5	Pass
					3.70	38.953	0.0470	-2.5 to 2.5	Pass
					4.26	15.063	0.0182	-2.5 to 2.5	Pass
				-30	3.70	22.588	0.0272	-2.5 to 2.5	Pass
				-20	3.70	34.075	0.0411	-2.5 to 2.5	Pass
				-10	3.70	43.659	0.0527	-2.5 to 2.5	Pass
				0	3.70	43.616	0.0526	-2.5 to 2.5	Pass
				10	3.70	4.206	0.0051	-2.5 to 2.5	Pass
				30	3.70	6.652	0.0080	-2.5 to 2.5	Pass
				40	3.70	9.413	0.0114	-2.5 to 2.5	Pass
				50	3.70	12.460	0.0150	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	-6.051	-0.0072	-2.5 to 2.5	Pass
					3.70	28.110	0.0336	-2.5 to 2.5	Pass
					4.26	23.918	0.0286	-2.5 to 2.5	Pass
				-30	3.70	39.897	0.0477	-2.5 to 2.5	Pass
				-20	3.70	1.645	0.0020	-2.5 to 2.5	Pass
				-10	3.70	7.839	0.0094	-2.5 to 2.5	Pass
				0	3.70	9.985	0.0119	-2.5 to 2.5	Pass
				10	3.70	23.446	0.0280	-2.5 to 2.5	Pass
				30	3.70	25.592	0.0306	-2.5 to 2.5	Pass
				40	3.70	28.939	0.0346	-2.5 to 2.5	Pass
				50	3.70	32.058	0.0383	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-3.934	-0.0047	-2.5 to 2.5	Pass
					3.70	24.390	0.0289	-2.5 to 2.5	Pass
					4.26	38.538	0.0457	-2.5 to 2.5	Pass
				-30	3.70	44.289	0.0525	-2.5 to 2.5	Pass
				-20	3.70	1.273	0.0015	-2.5 to 2.5	Pass
				-10	3.70	1.502	0.0018	-2.5 to 2.5	Pass
				0	3.70	0.715	0.0008	-2.5 to 2.5	Pass
				10	3.70	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.70	-0.544	-0.0006	-2.5 to 2.5	Pass
				40	3.70	-4.706	-0.0056	-2.5 to 2.5	Pass
				50	3.70	-4.034	-0.0048	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 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

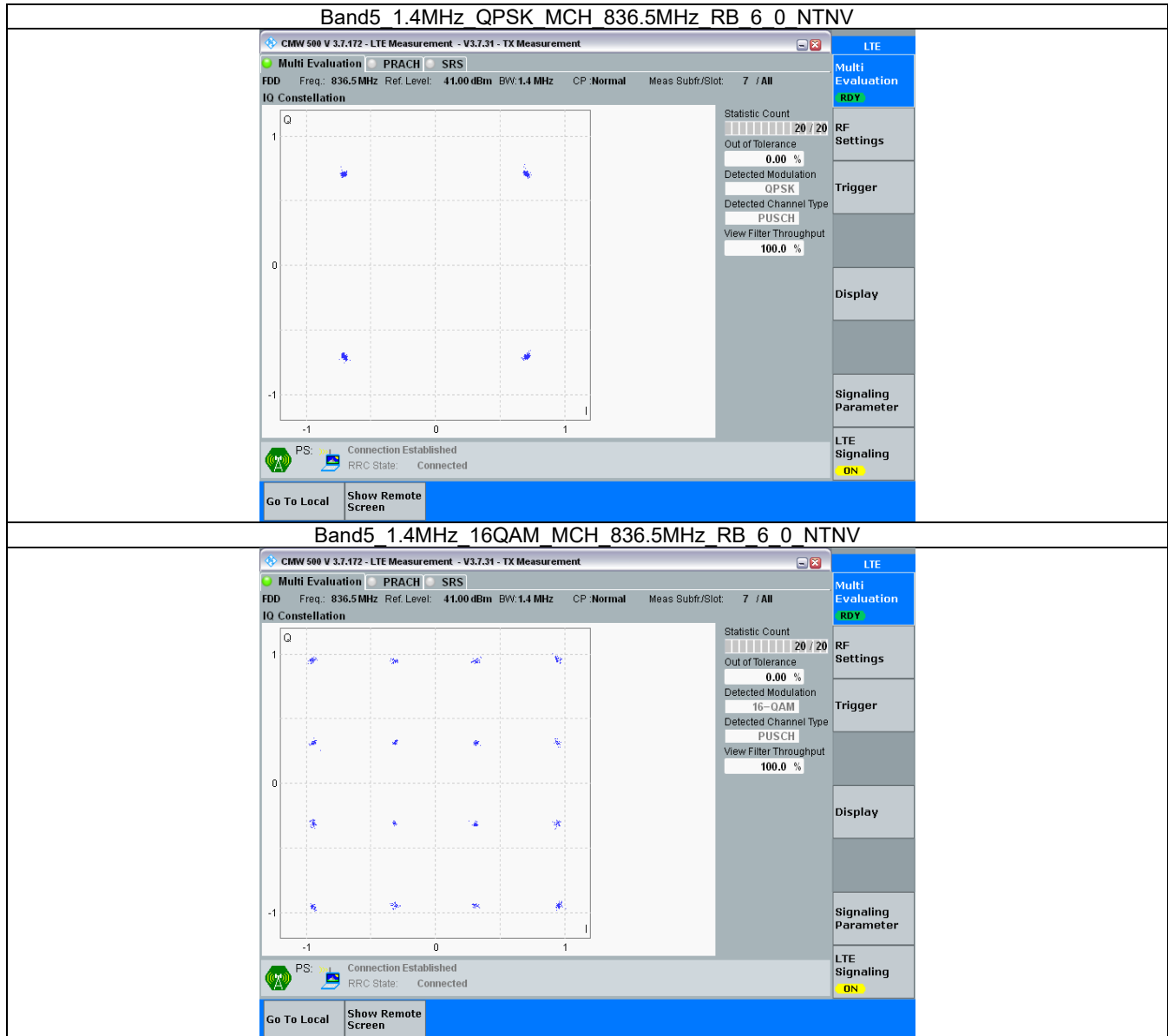
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

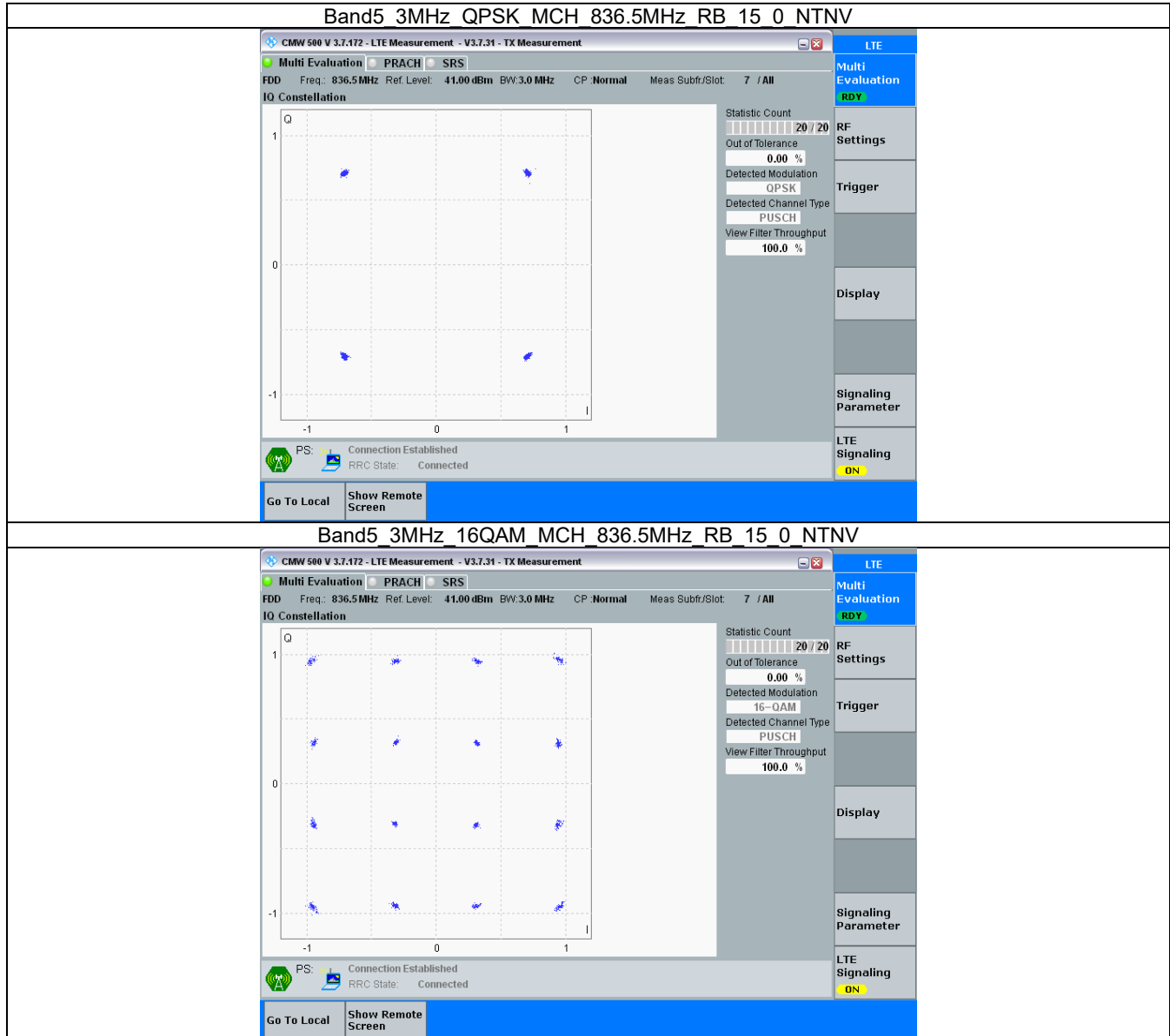
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

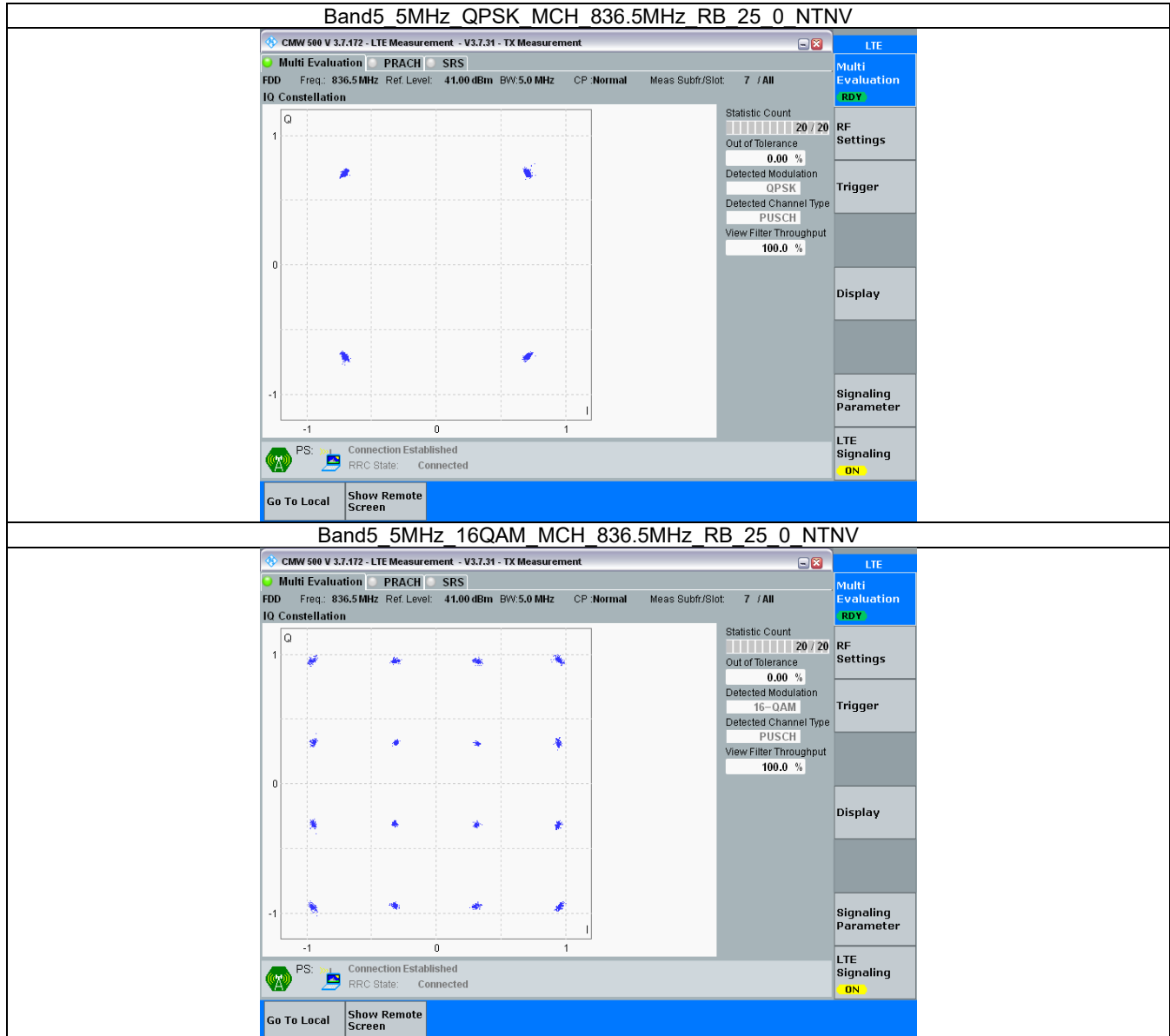
3.2.1 B5_1.4MHz



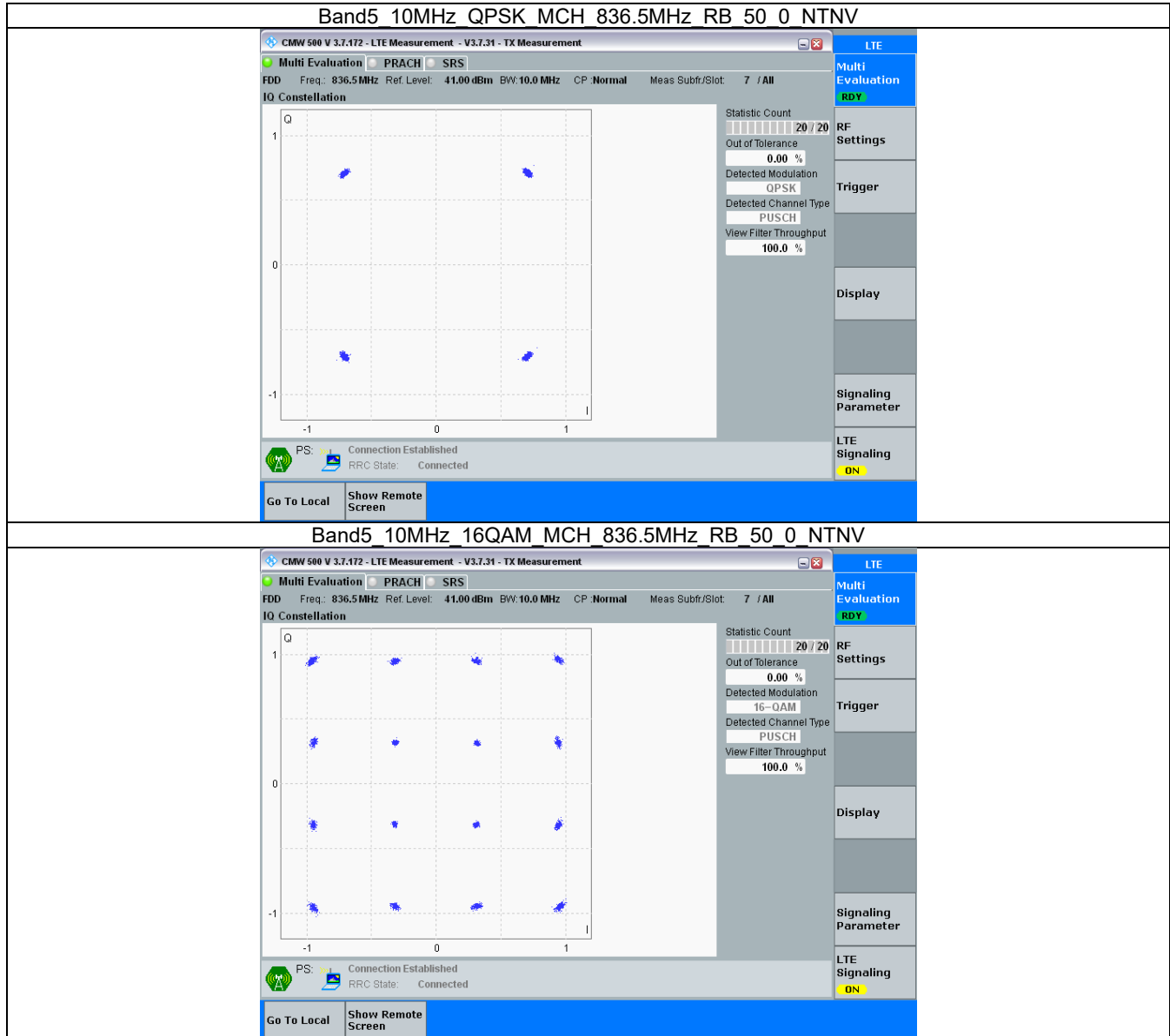
3.2.2 B5_3MHz



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	1.109	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.103	/	Pass
	16QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.113	/	Pass
		848.3	6	0	1.104	/	Pass
3	QPSK	825.5	15	0	2.749	/	Pass
		836.5	15	0	2.749	/	Pass
		847.5	15	0	2.736	/	Pass
	16QAM	825.5	15	0	2.762	/	Pass
		836.5	15	0	2.771	/	Pass
		847.5	15	0	2.755	/	Pass
5	QPSK	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.538	/	Pass
		846.5	25	0	4.538	/	Pass
	16QAM	826.5	25	0	4.560	/	Pass
		836.5	25	0	4.564	/	Pass
		846.5	25	0	4.567	/	Pass
10	QPSK	829	50	0	9.072	/	Pass
		836.5	50	0	9.076	/	Pass
		844	50	0	9.029	/	Pass
	16QAM	829	50	0	9.062	/	Pass
		836.5	50	0	9.049	/	Pass
		844	50	0	9.043	/	Pass

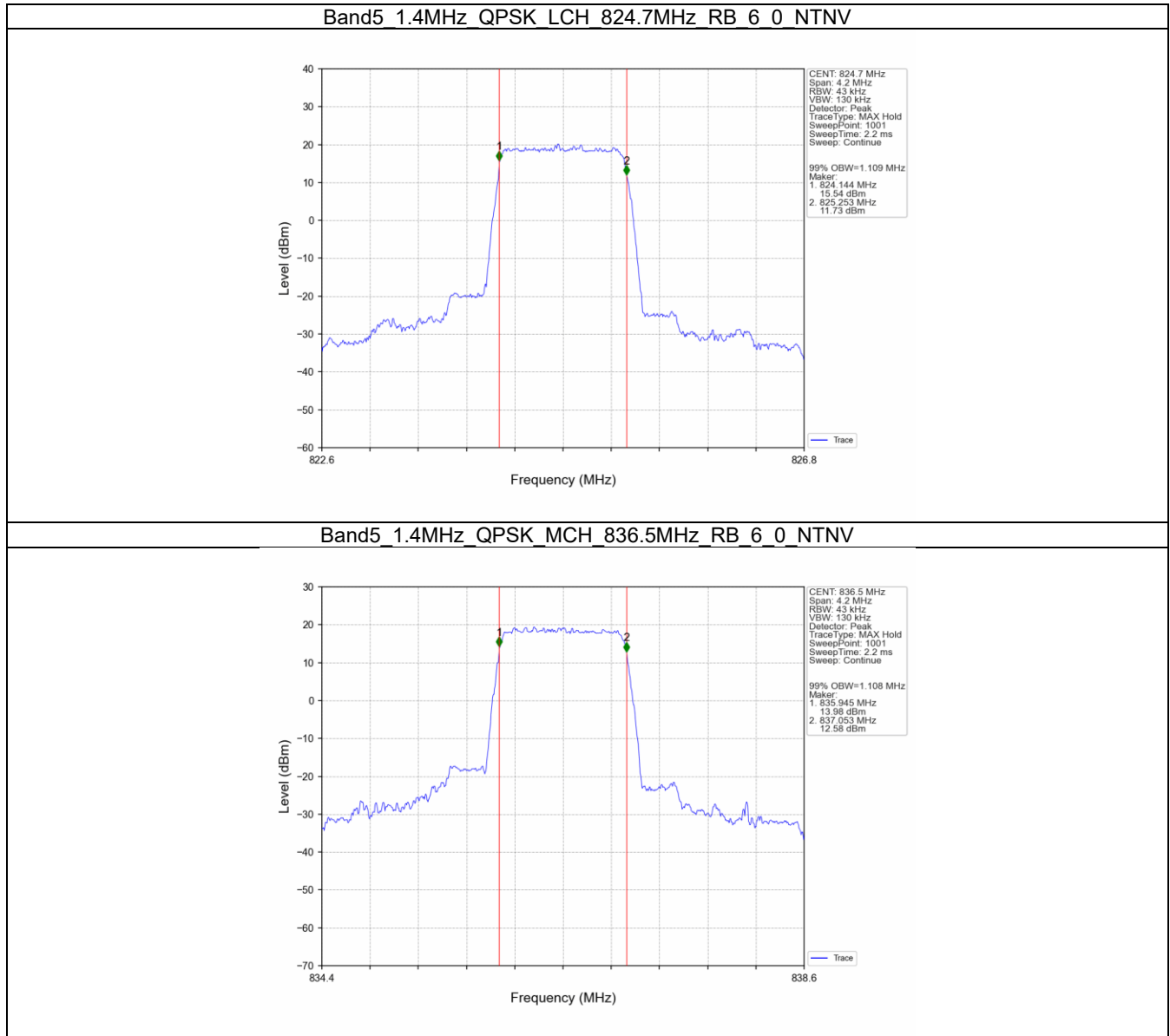
4.1.2 Band5_XDB

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	1.267	/	Pass
		836.5	6	0	1.269	/	Pass
		848.3	6	0	1.272	/	Pass
	16QAM	824.7	6	0	1.268	/	Pass
		836.5	6	0	1.264	/	Pass
		848.3	6	0	1.280	/	Pass
3	QPSK	825.5	15	0	3.081	/	Pass
		836.5	15	0	3.096	/	Pass
		847.5	15	0	3.073	/	Pass
	16QAM	825.5	15	0	3.086	/	Pass
		836.5	15	0	3.113	/	Pass
		847.5	15	0	3.077	/	Pass
5	QPSK	826.5	25	0	5.076	/	Pass
		836.5	25	0	5.028	/	Pass
		846.5	25	0	5.021	/	Pass

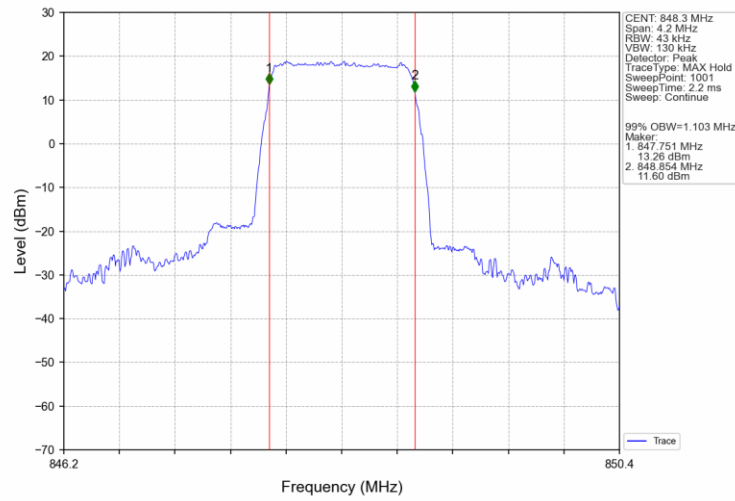
10	16QAM	826.5	25	0	5.042	/	Pass
		836.5	25	0	5.046	/	Pass
		846.5	25	0	5.047	/	Pass
	QPSK	829	50	0	9.993	/	Pass
		836.5	50	0	9.977	/	Pass
		844	50	0	9.862	/	Pass
	16QAM	829	50	0	10.087	/	Pass
		836.5	50	0	10.024	/	Pass
		844	50	0	10.037	/	Pass

4.2 Test Graph

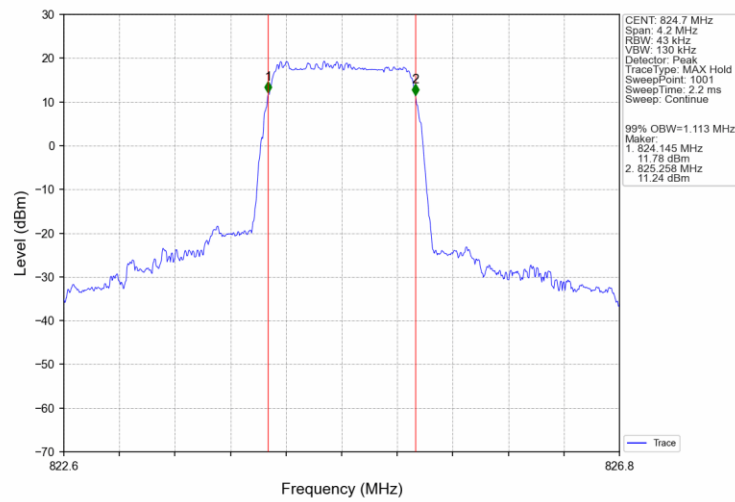
4.2.1 Band5_OBW



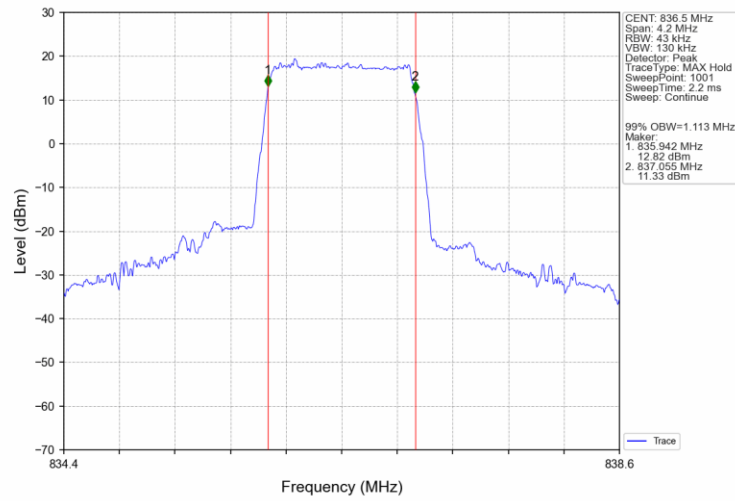
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



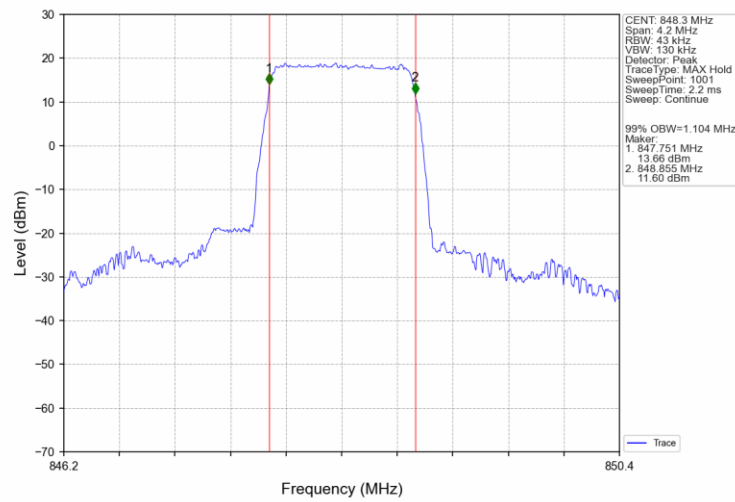
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



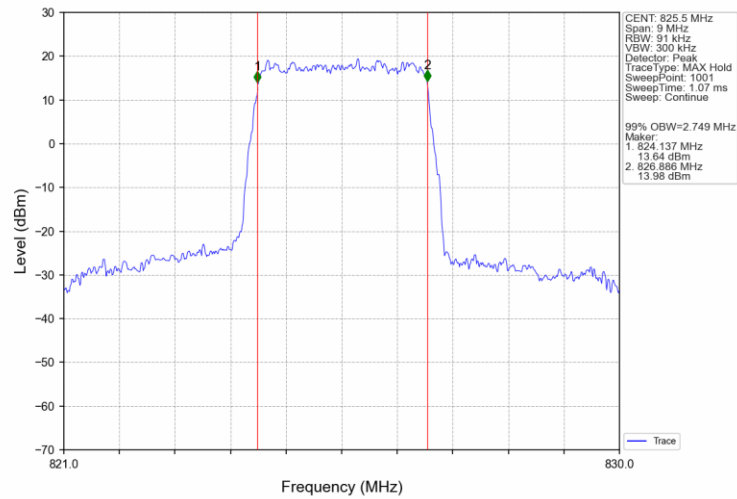
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



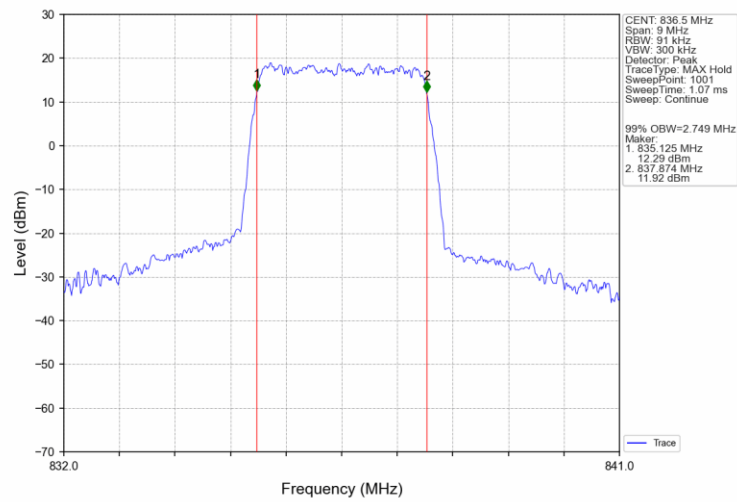
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



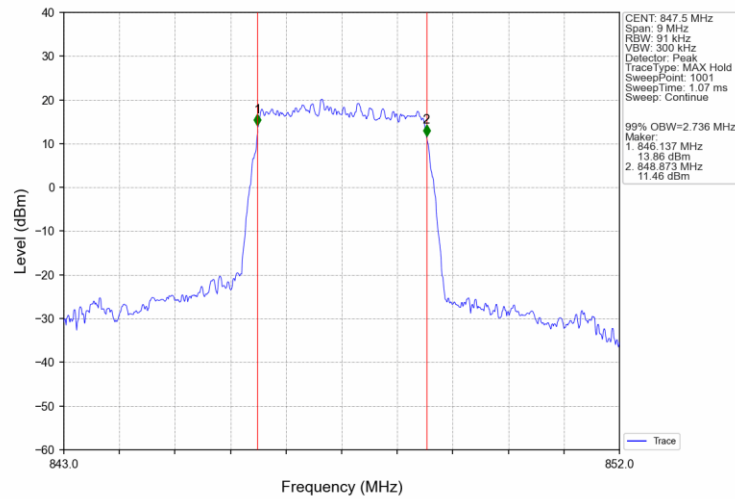
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



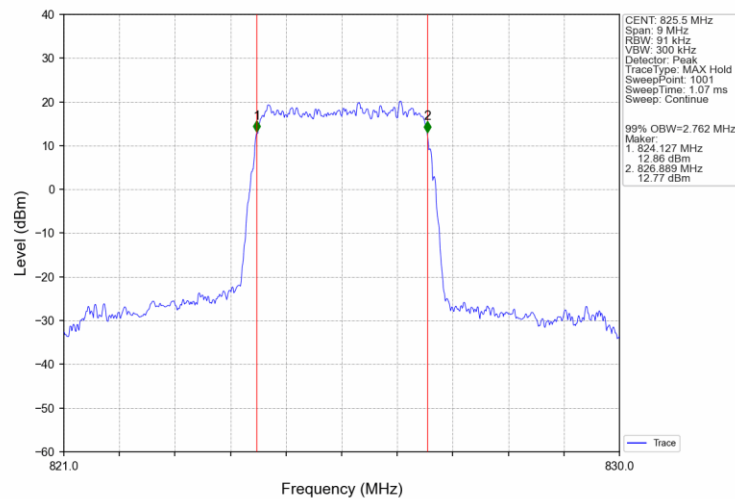
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



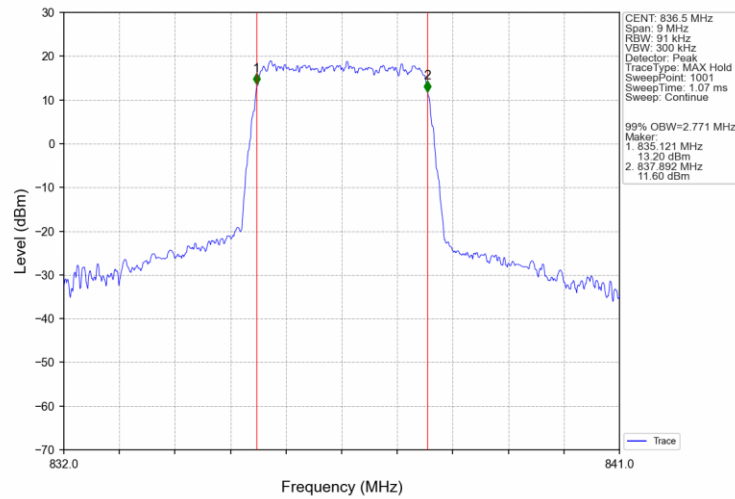
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



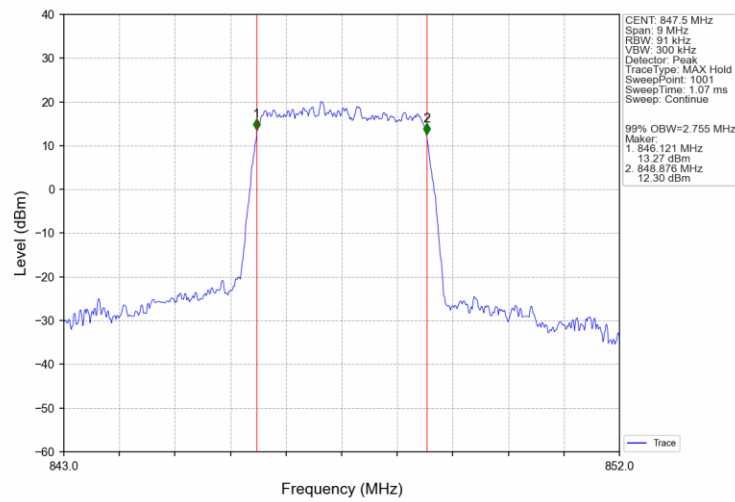
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



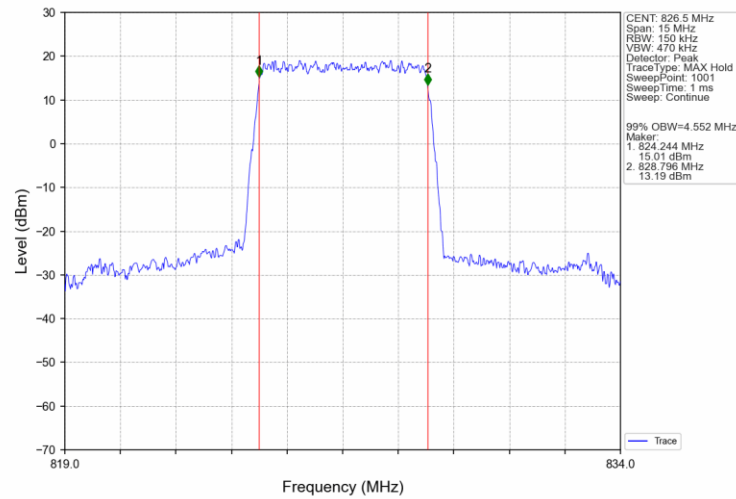
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



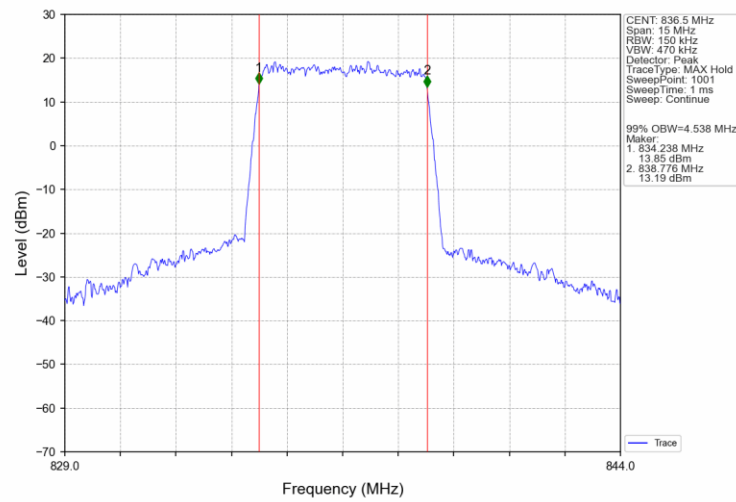
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



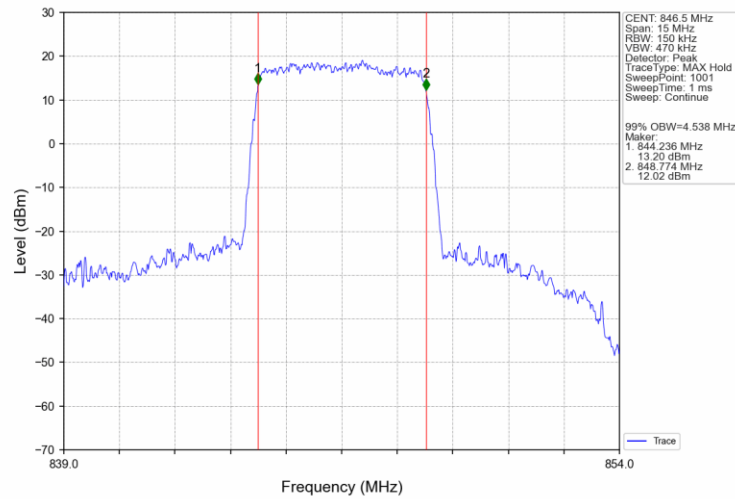
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



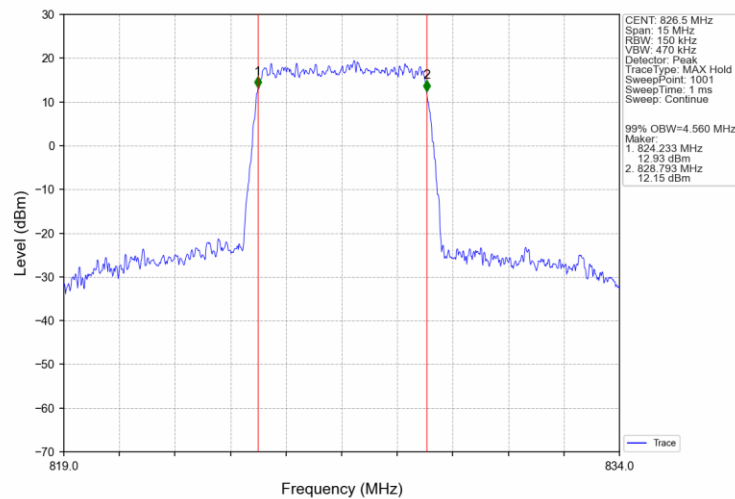
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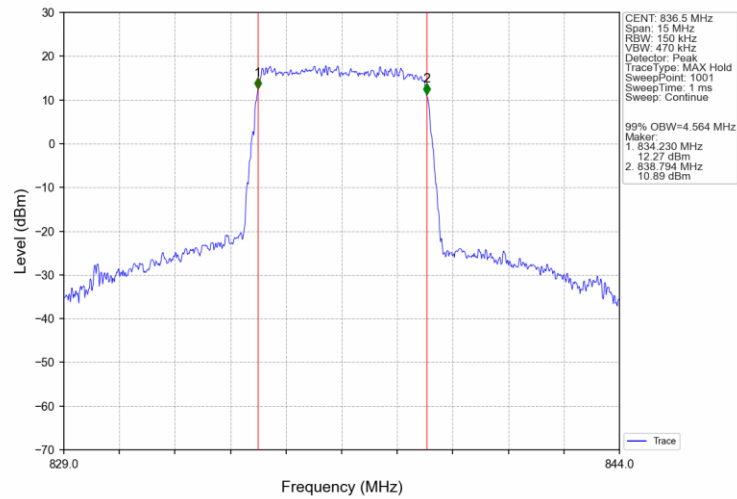
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



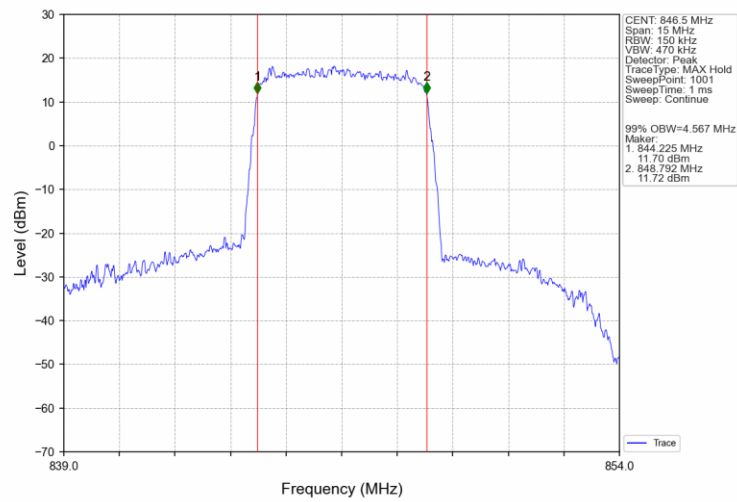
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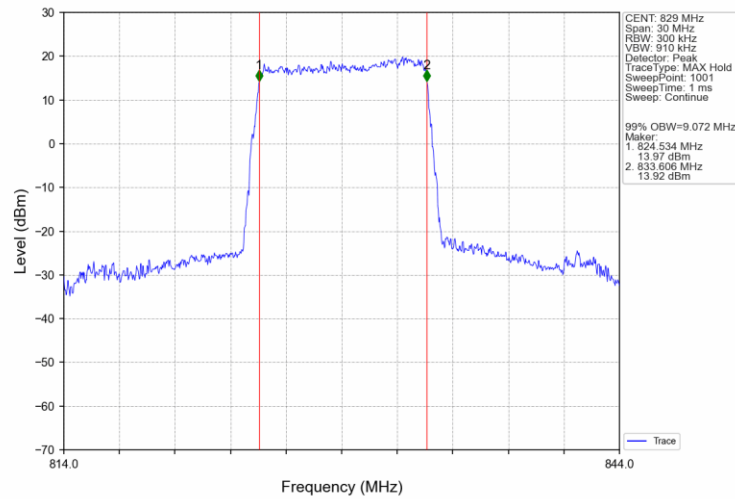
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



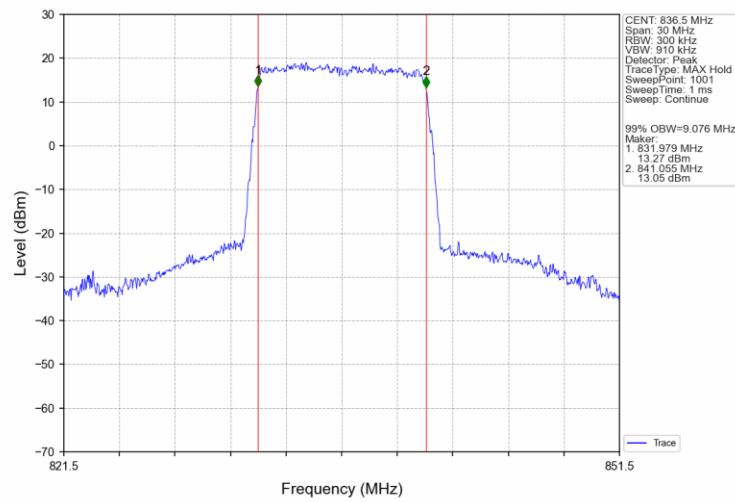
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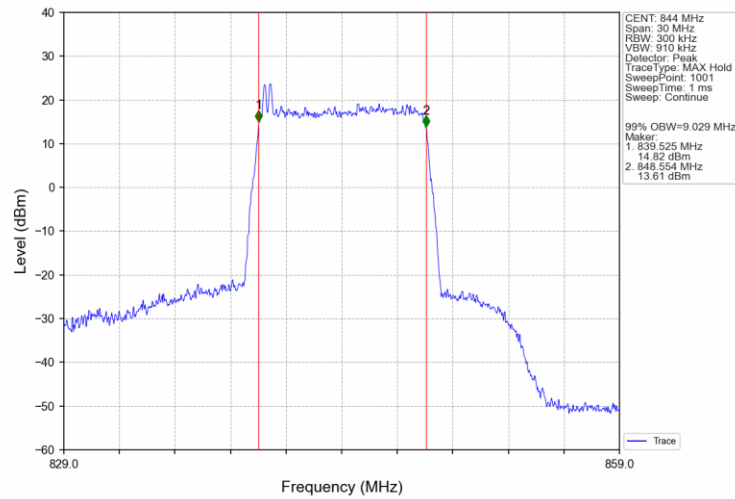
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



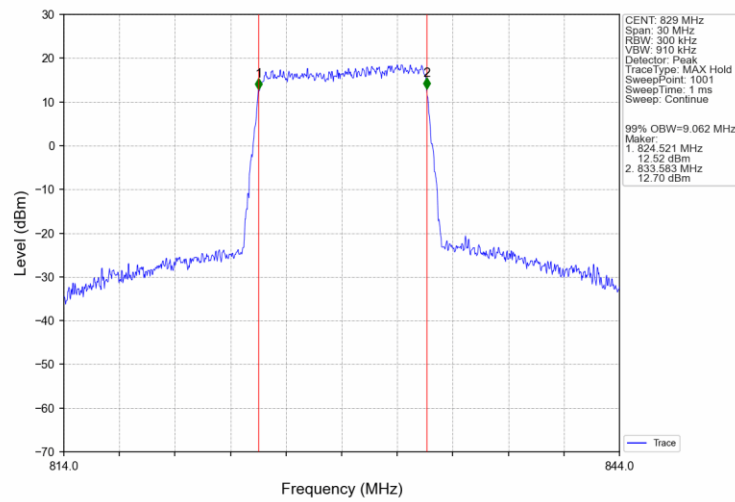
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



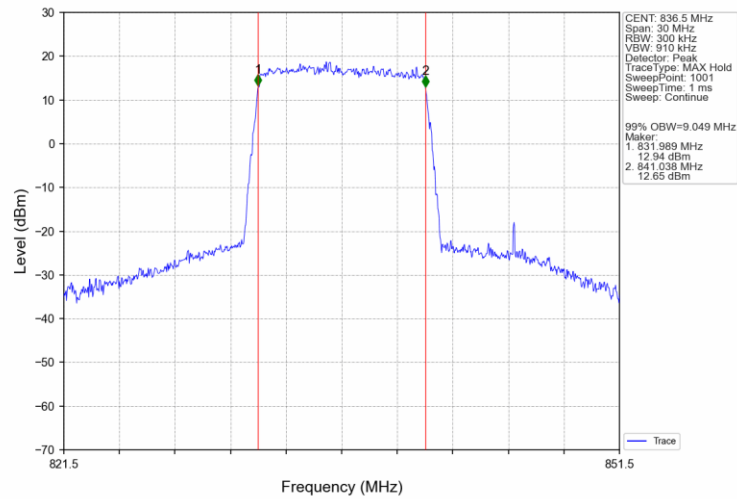
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



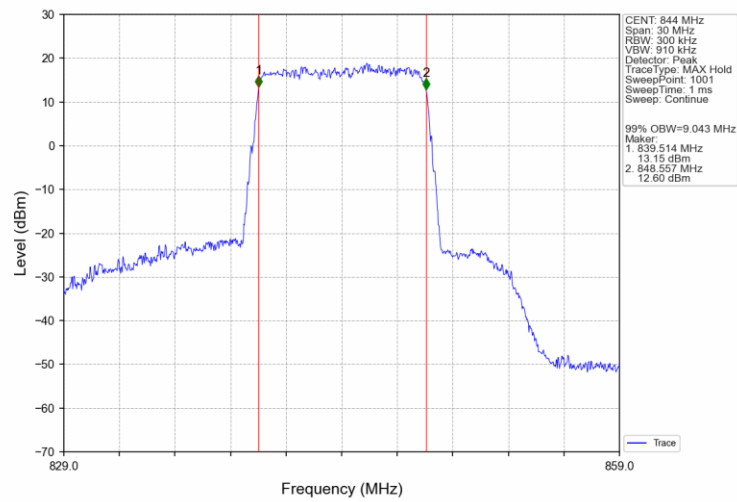
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

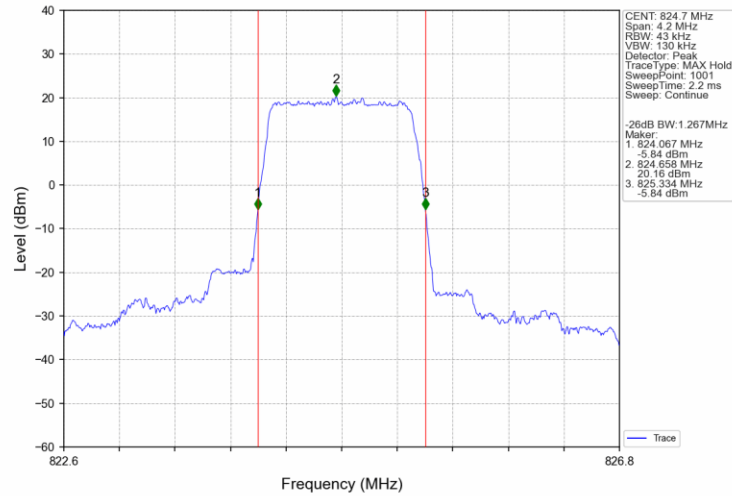


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

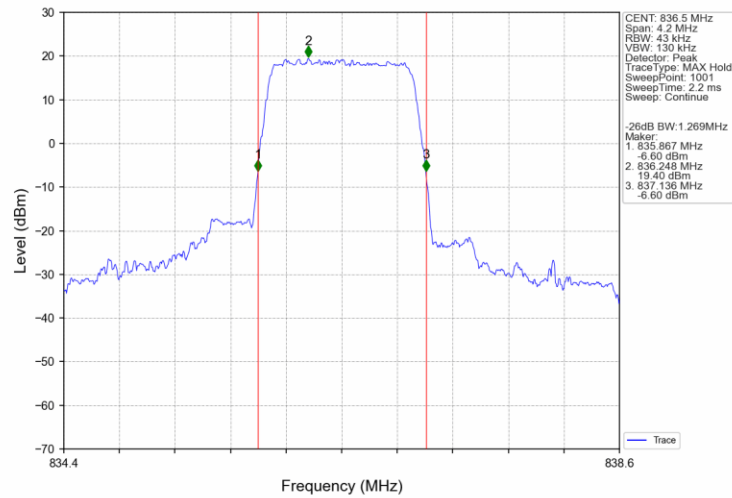


4.2.2 Band5_XDB

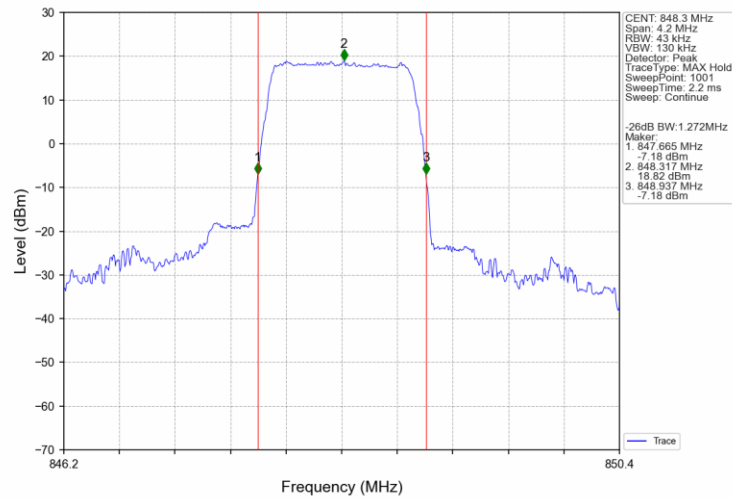
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN



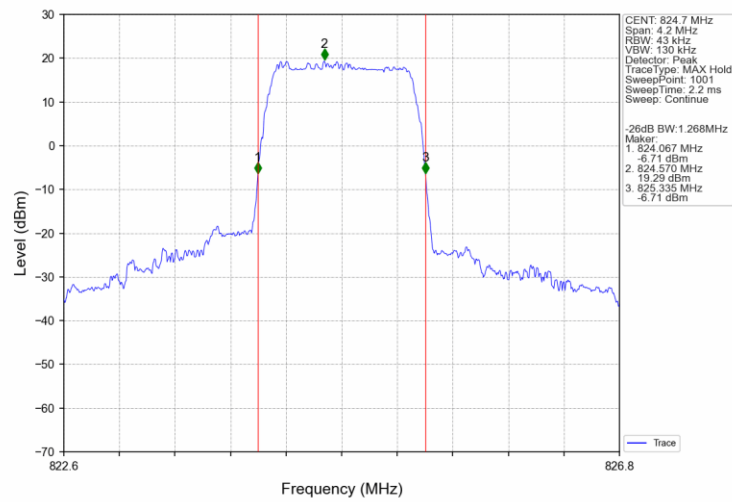
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTN



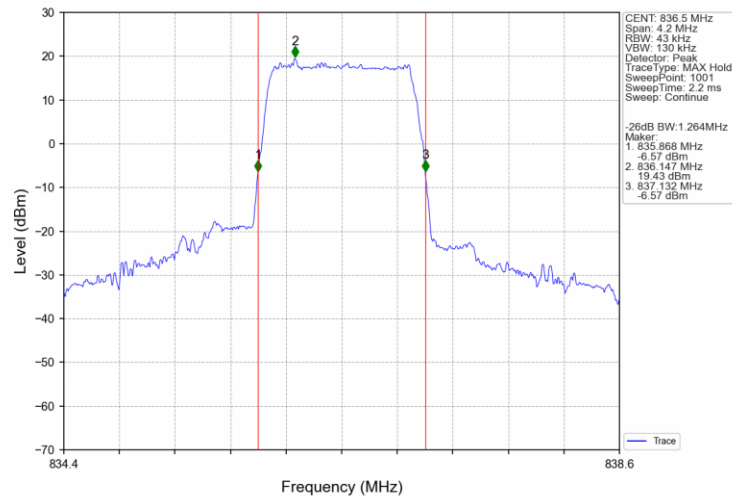
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



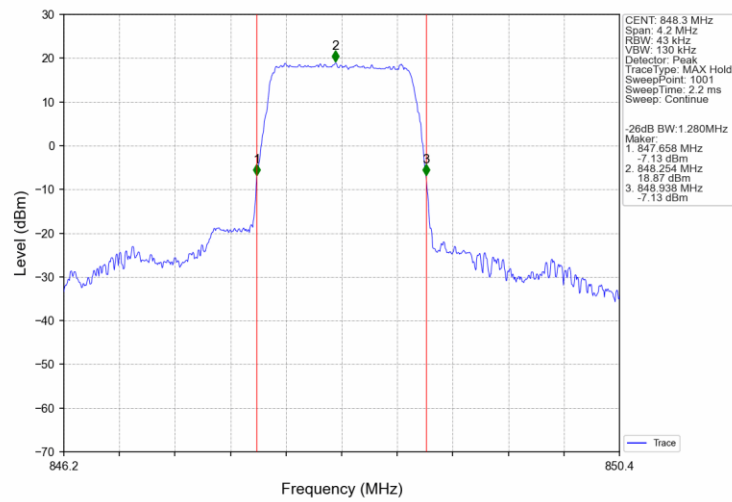
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



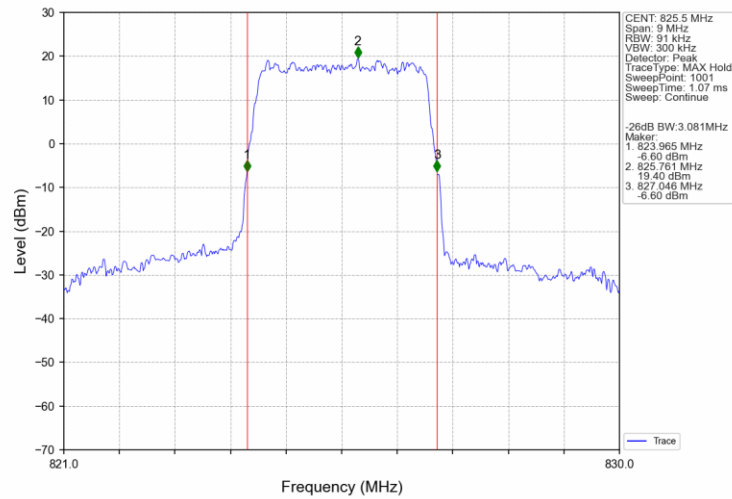
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



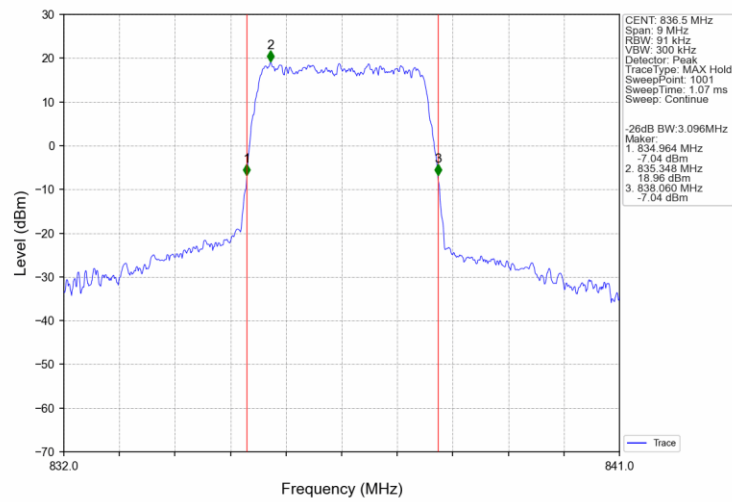
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



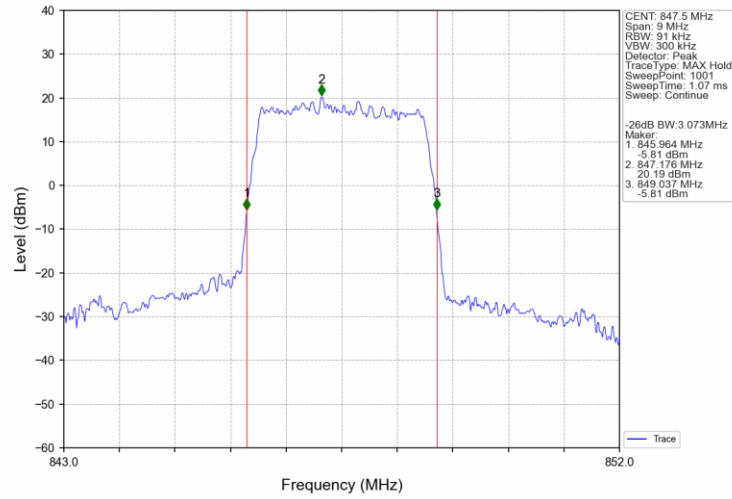
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



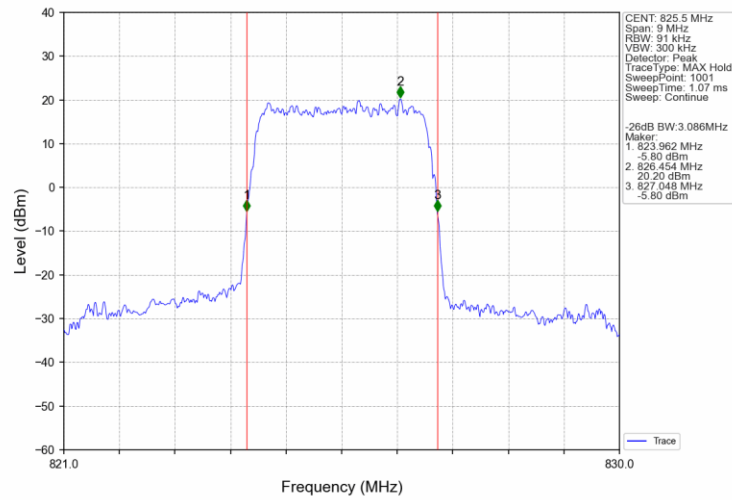
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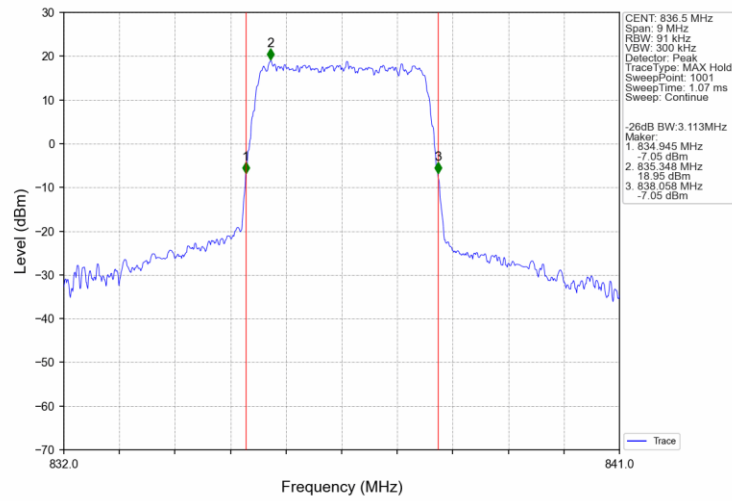
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



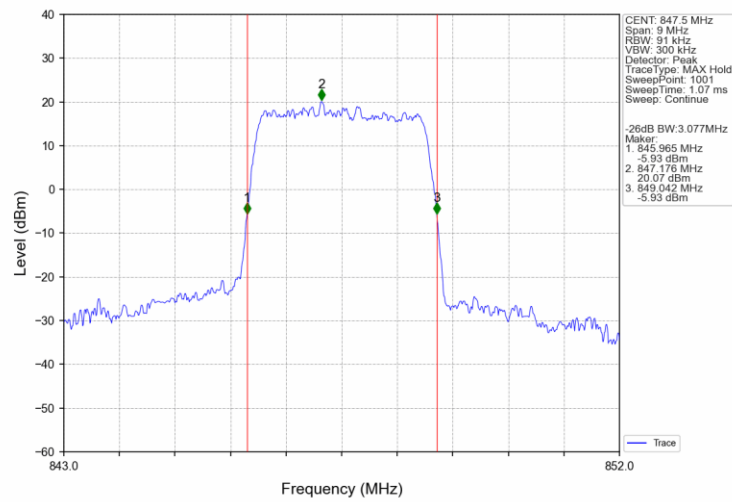
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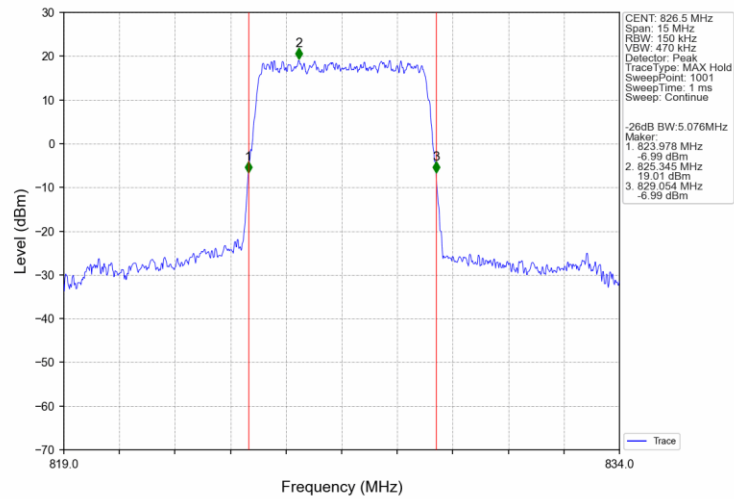
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



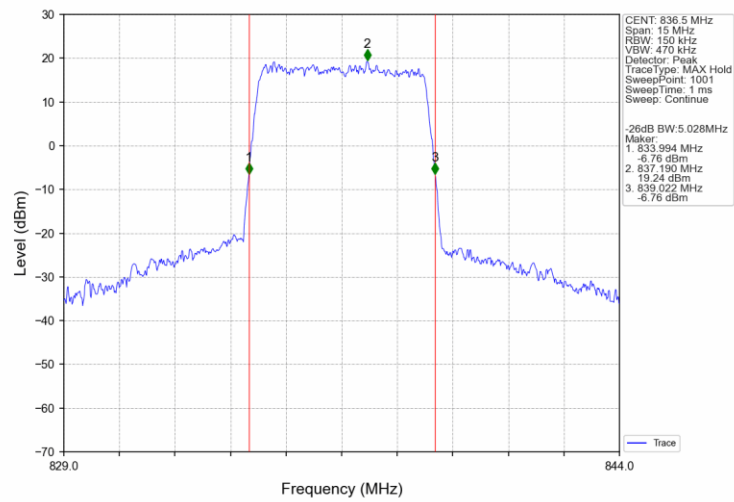
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



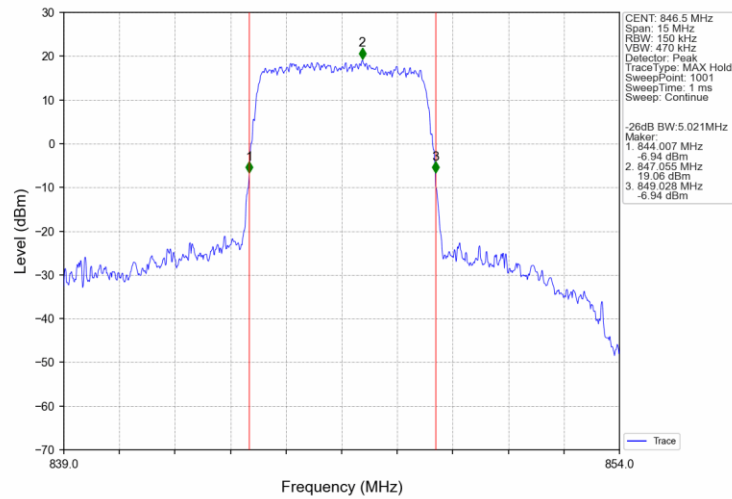
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



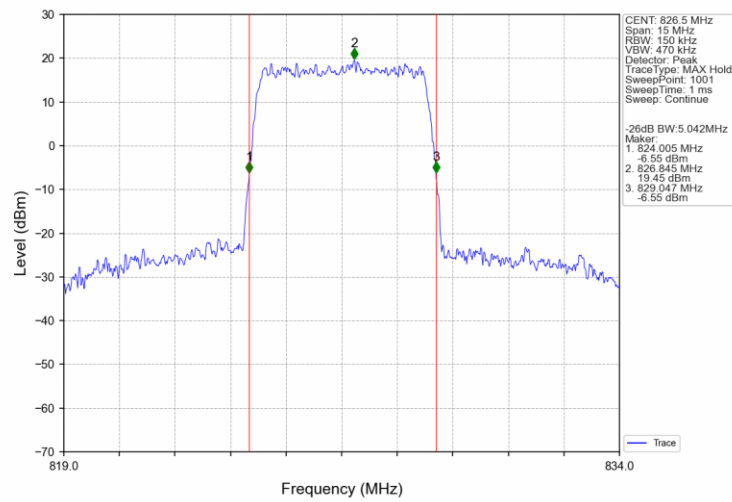
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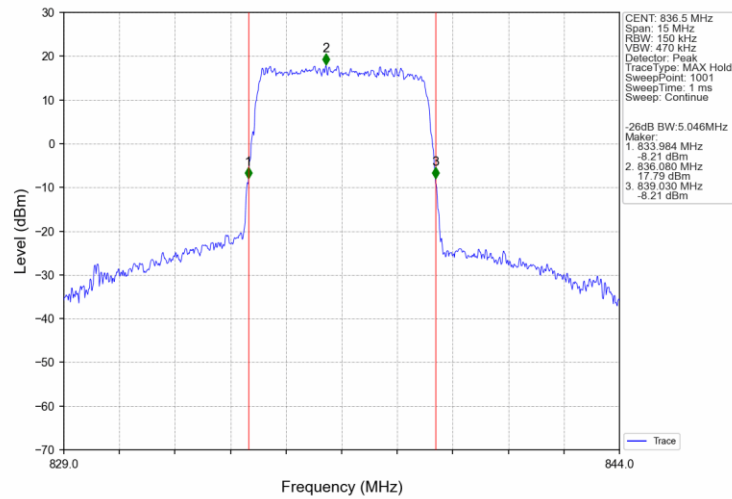
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



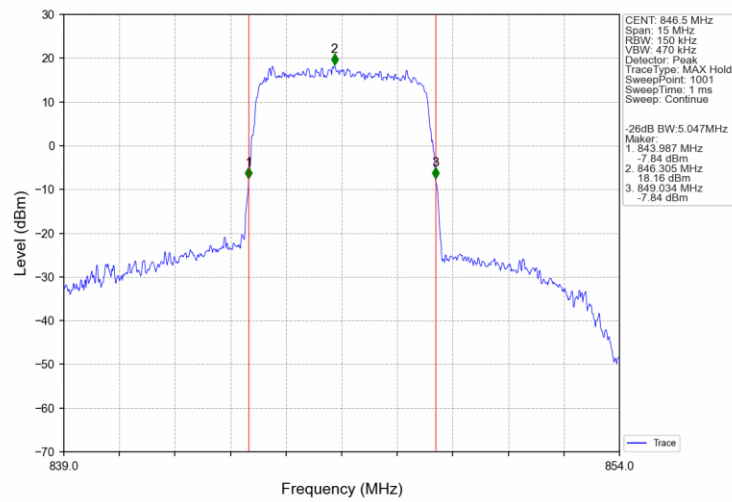
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



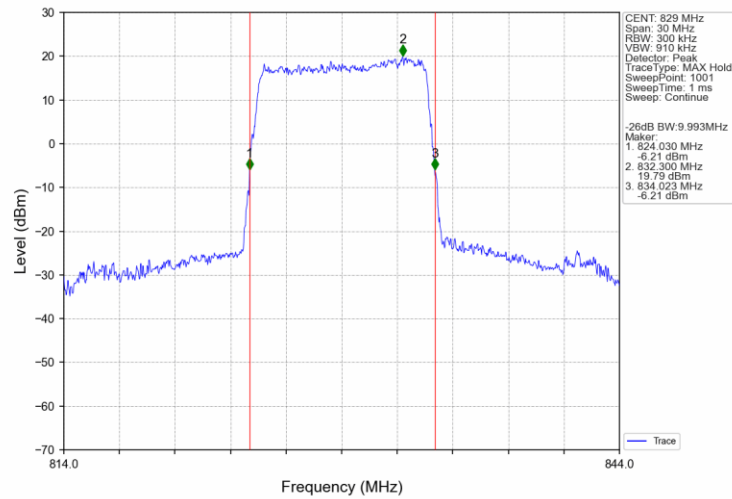
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



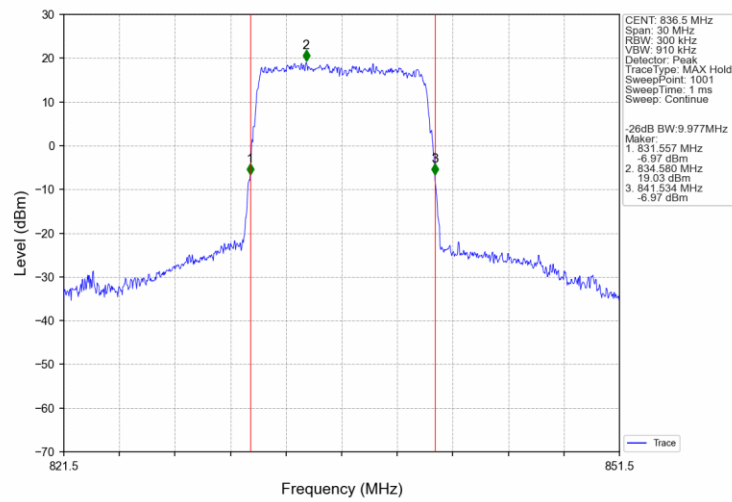
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



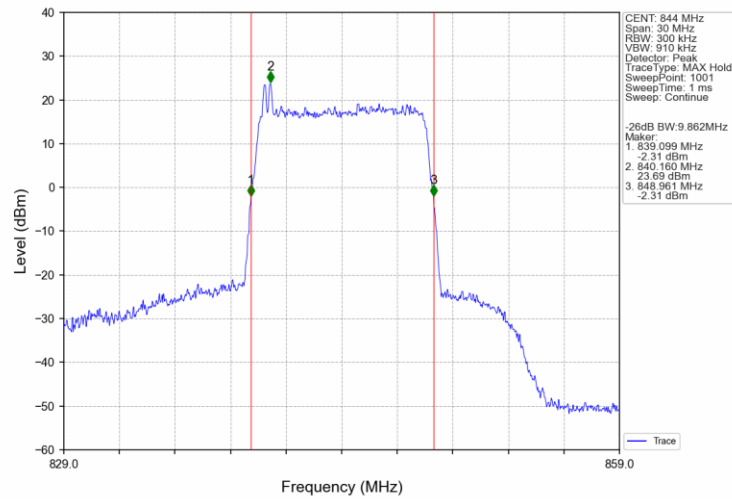
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



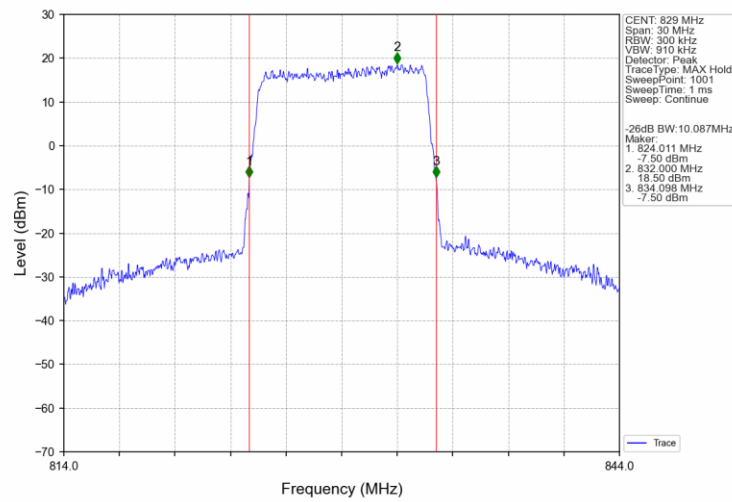
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



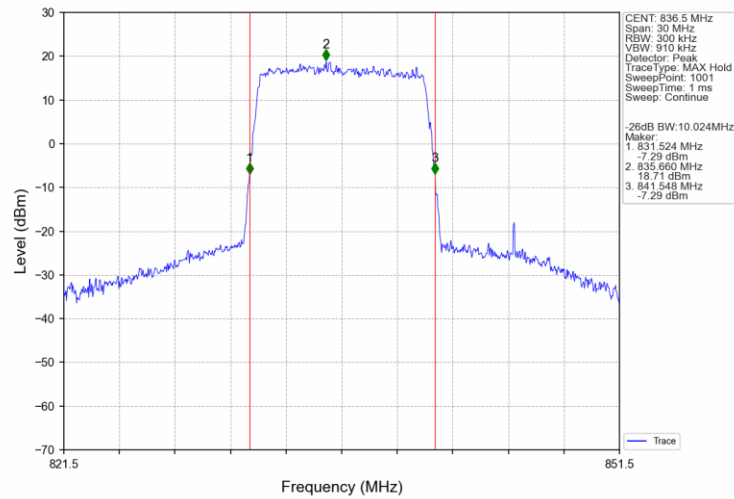
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



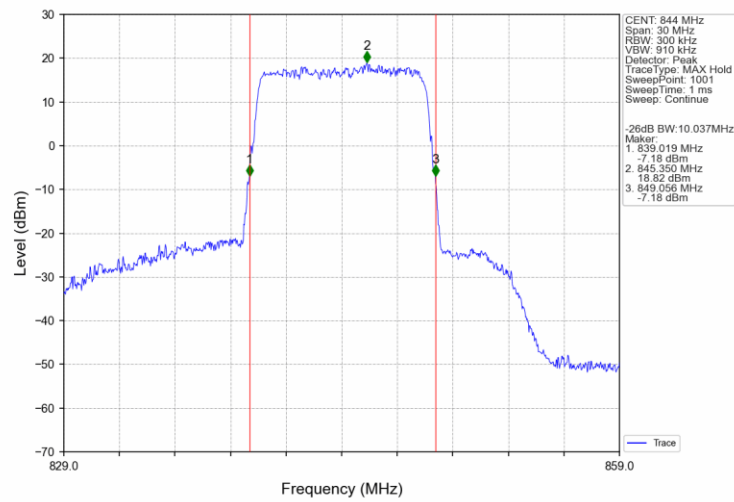
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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



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



5. Peak-Average Ratio

5.1 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	5.74	<=13	Pass
	836.5	6	0	5.81	<=13	Pass
	848.3	6	0	5.69	<=13	Pass
16QAM	824.7	6	0	6.46	<=13	Pass
	836.5	6	0	6.74	<=13	Pass
	848.3	6	0	6.35	<=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	5.75	<=13	Pass
	836.5	15	0	5.88	<=13	Pass
	847.5	15	0	5.70	<=13	Pass
16QAM	825.5	15	0	6.60	<=13	Pass
	836.5	15	0	6.68	<=13	Pass
	847.5	15	0	6.57	<=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	5.80	<=13	Pass
	836.5	25	0	5.79	<=13	Pass
	846.5	25	0	5.67	<=13	Pass
16QAM	826.5	25	0	6.40	<=13	Pass
	836.5	25	0	6.61	<=13	Pass
	846.5	25	0	6.43	<=13	Pass

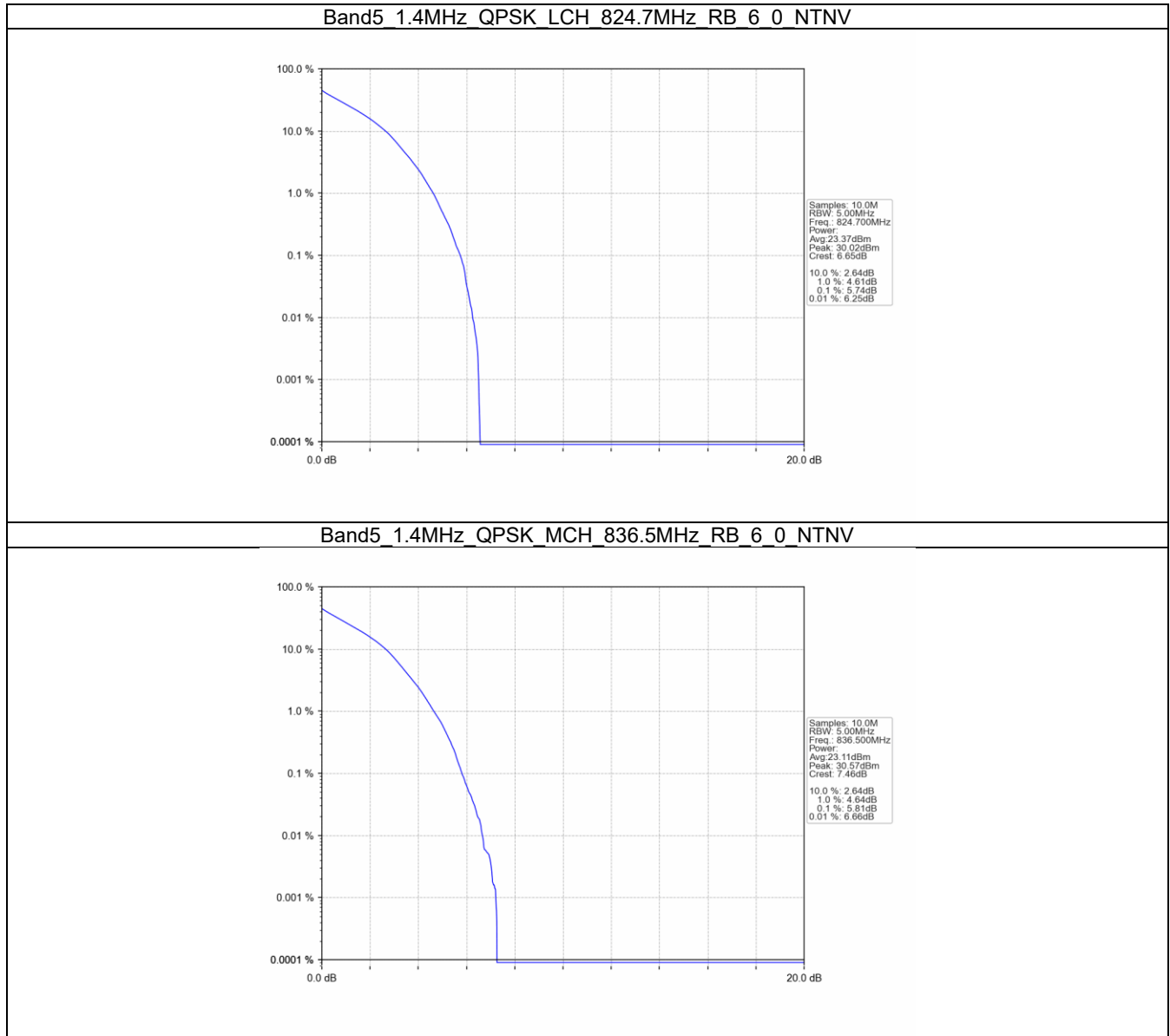
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.81	<=13	Pass
	836.5	50	0	5.73	<=13	Pass
	844	50	0	5.80	<=13	Pass
16QAM	829	50	0	6.51	<=13	Pass
	836.5	50	0	6.52	<=13	Pass
	844	50	0	6.53	<=13	Pass

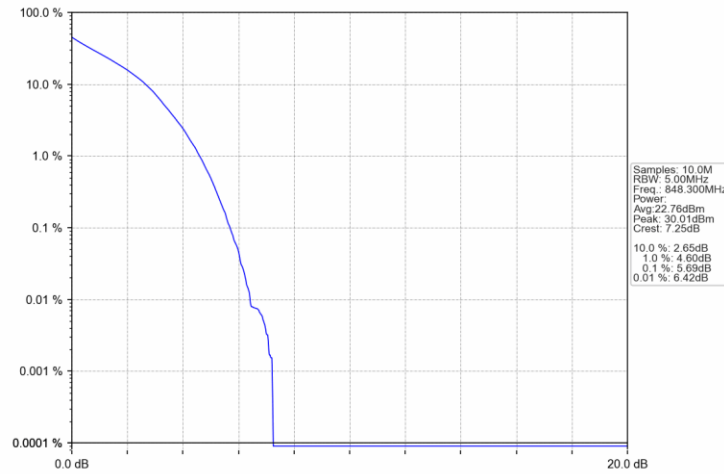


5.2 Test Graph

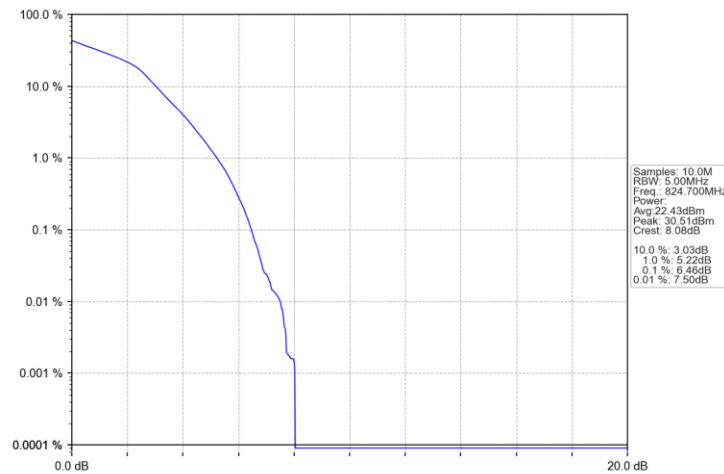
5.2.1 B5_1.4MHz



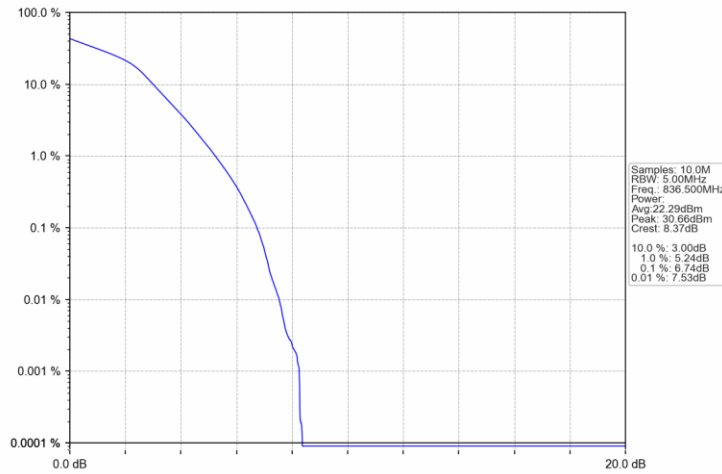
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV



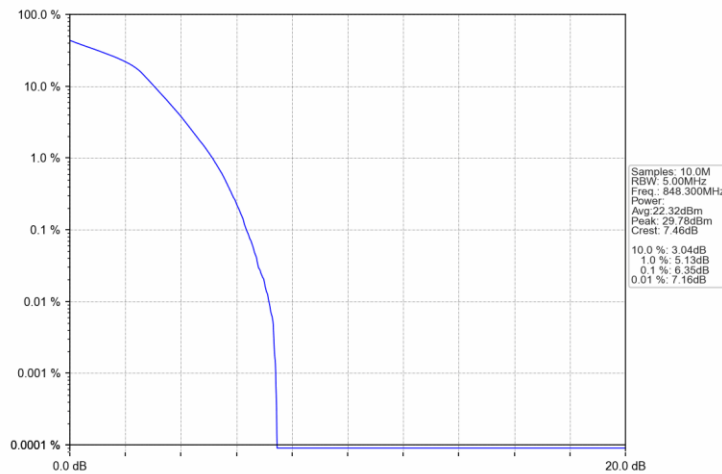
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV



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

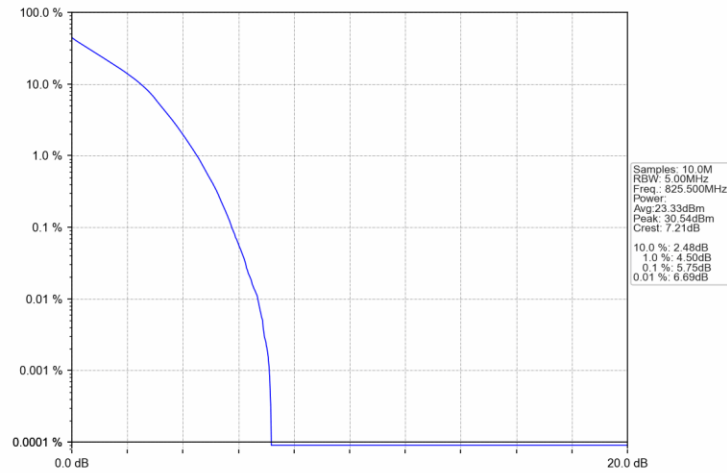


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



5.2.2 B5_3MHz

Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN

