

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	24.42	-2.80	19.47	<=38.45	Pass
			2	24.37	-2.80	19.42	<=38.45	Pass
			5	24.43	-2.80	19.48	<=38.45	Pass
		3	0	24.43	-2.80	19.48	<=38.45	Pass
			2	24.42	-2.80	19.47	<=38.45	Pass
			3	24.44	-2.80	19.49	<=38.45	Pass
		6	0	24.03	-2.80	19.08	<=38.45	Pass
	836.5	1	0	24.65	-2.80	19.70	<=38.45	Pass
			2	24.71	-2.80	19.76	<=38.45	Pass
			5	24.74	-2.80	19.79	<=38.45	Pass
		3	0	24.65	-2.80	19.70	<=38.45	Pass
			2	24.67	-2.80	19.72	<=38.45	Pass
			3	24.70	-2.80	19.75	<=38.45	Pass
		6	0	24.17	-2.80	19.22	<=38.45	Pass
	848.3	1	0	24.42	-2.80	19.47	<=38.45	Pass
			2	24.37	-2.80	19.42	<=38.45	Pass
			5	24.41	-2.80	19.46	<=38.45	Pass
		3	0	24.45	-2.80	19.50	<=38.45	Pass
			2	24.42	-2.80	19.47	<=38.45	Pass
			3	24.40	-2.80	19.45	<=38.45	Pass
		6	0	24.00	-2.80	19.05	<=38.45	Pass
16QAM	824.7	1	0	24.07	-2.80	19.12	<=38.45	Pass
			2	23.99	-2.80	19.04	<=38.45	Pass
			5	24.08	-2.80	19.13	<=38.45	Pass
		3	0	24.19	-2.80	19.24	<=38.45	Pass
			2	24.21	-2.80	19.26	<=38.45	Pass
			3	24.22	-2.80	19.27	<=38.45	Pass
		6	0	23.05	-2.80	18.10	<=38.45	Pass
	836.5	1	0	24.24	-2.80	19.29	<=38.45	Pass
			2	24.25	-2.80	19.30	<=38.45	Pass
			5	24.36	-2.80	19.41	<=38.45	Pass
		3	0	24.20	-2.80	19.25	<=38.45	Pass
			2	24.22	-2.80	19.27	<=38.45	Pass
			3	24.23	-2.80	19.28	<=38.45	Pass
		6	0	23.13	-2.80	18.18	<=38.45	Pass
	848.3	1	0	23.99	-2.80	19.04	<=38.45	Pass
			2	23.92	-2.80	18.97	<=38.45	Pass
			5	23.95	-2.80	19.00	<=38.45	Pass
		3	0	24.18	-2.80	19.23	<=38.45	Pass
			2	24.18	-2.80	19.23	<=38.45	Pass
			3	24.20	-2.80	19.25	<=38.45	Pass
		6	0	23.07	-2.80	18.12	<=38.45	Pass
64QAM	824.7	1	0	23.21	-2.80	18.26	<=38.45	Pass
			2	23.25	-2.80	18.30	<=38.45	Pass
			5	23.30	-2.80	18.35	<=38.45	Pass
		3	0	23.22	-2.80	18.27	<=38.45	Pass
			2	23.21	-2.80	18.26	<=38.45	Pass
			3	23.24	-2.80	18.29	<=38.45	Pass
		6	0	22.36	-2.80	17.41	<=38.45	Pass
	836.5	1	0	23.34	-2.80	18.39	<=38.45	Pass
			2	23.34	-2.80	18.39	<=38.45	Pass
			5	23.44	-2.80	18.49	<=38.45	Pass
		3	0	23.07	-2.80	18.12	<=38.45	Pass
			2	23.10	-2.80	18.15	<=38.45	Pass

			3	23.11	-2.80	18.16	<=38.45	Pass
		6	0	22.34	-2.80	17.39	<=38.45	Pass
	848.3	1	0	23.43	-2.80	18.48	<=38.45	Pass
			2	23.43	-2.80	18.48	<=38.45	Pass
			5	23.36	-2.80	18.41	<=38.45	Pass
		3	0	23.33	-2.80	18.38	<=38.45	Pass
			2	23.31	-2.80	18.36	<=38.45	Pass
			3	23.31	-2.80	18.36	<=38.45	Pass
		6	0	22.06	-2.80	17.11	<=38.45	Pass
	256QAM	824.7	1	0	19.94	-2.80	14.99	<=38.45
2				19.89	-2.80	14.94	<=38.45	Pass
5				19.97	-2.80	15.02	<=38.45	Pass
3			0	19.92	-2.80	14.97	<=38.45	Pass
			2	19.95	-2.80	15.00	<=38.45	Pass
			3	19.96	-2.80	15.01	<=38.45	Pass
6			0	20.16	-2.80	15.21	<=38.45	Pass
836.5		1	0	20.21	-2.80	15.26	<=38.45	Pass
			2	20.31	-2.80	15.36	<=38.45	Pass
			5	20.28	-2.80	15.33	<=38.45	Pass
		3	0	20.16	-2.80	15.21	<=38.45	Pass
			2	20.23	-2.80	15.28	<=38.45	Pass
			3	20.18	-2.80	15.23	<=38.45	Pass
		6	0	20.28	-2.80	15.33	<=38.45	Pass
848.3		1	0	20.30	-2.80	15.35	<=38.45	Pass
			2	20.30	-2.80	15.35	<=38.45	Pass
			5	20.23	-2.80	15.28	<=38.45	Pass
		3	0	20.02	-2.80	15.07	<=38.45	Pass
			2	20.03	-2.80	15.08	<=38.45	Pass
			3	20.03	-2.80	15.08	<=38.45	Pass
		6	0	20.00	-2.80	15.05	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	24.64	-2.80	19.69	<=38.45	Pass
			7	24.62	-2.80	19.67	<=38.45	Pass
			14	24.62	-2.80	19.67	<=38.45	Pass
		8	0	24.06	-2.80	19.11	<=38.45	Pass
			4	24.07	-2.80	19.12	<=38.45	Pass
			7	24.04	-2.80	19.09	<=38.45	Pass
		15	0	24.05	-2.80	19.10	<=38.45	Pass
	836.5	1	0	24.64	-2.80	19.69	<=38.45	Pass
			7	24.71	-2.80	19.76	<=38.45	Pass
			14	24.71	-2.80	19.76	<=38.45	Pass
		8	0	24.21	-2.80	19.26	<=38.45	Pass
			4	24.25	-2.80	19.30	<=38.45	Pass
			7	24.30	-2.80	19.35	<=38.45	Pass
		15	0	24.28	-2.80	19.33	<=38.45	Pass
	847.5	1	0	24.57	-2.80	19.62	<=38.45	Pass
			7	24.50	-2.80	19.55	<=38.45	Pass
			14	24.51	-2.80	19.56	<=38.45	Pass
		8	0	24.11	-2.80	19.16	<=38.45	Pass
			4	24.06	-2.80	19.11	<=38.45	Pass
			7	24.05	-2.80	19.10	<=38.45	Pass
		15	0	24.05	-2.80	19.10	<=38.45	Pass
16QAM	825.5	1	0	24.48	-2.80	19.53	<=38.45	Pass
			7	24.43	-2.80	19.48	<=38.45	Pass
			14	24.43	-2.80	19.48	<=38.45	Pass
		8	0	23.31	-2.80	18.36	<=38.45	Pass

		15	4	23.27	-2.80	18.32	<=38.45	Pass
			7	23.29	-2.80	18.34	<=38.45	Pass
			0	23.23	-2.80	18.28	<=38.45	Pass
	836.5	1	0	24.44	-2.80	19.49	<=38.45	Pass
			7	24.51	-2.80	19.56	<=38.45	Pass
			14	24.50	-2.80	19.55	<=38.45	Pass
		8	0	23.25	-2.80	18.30	<=38.45	Pass
			4	23.28	-2.80	18.33	<=38.45	Pass
			7	23.28	-2.80	18.33	<=38.45	Pass
		15	0	23.26	-2.80	18.31	<=38.45	Pass
	847.5	1	0	24.17	-2.80	19.22	<=38.45	Pass
			7	24.10	-2.80	19.15	<=38.45	Pass
			14	24.06	-2.80	19.11	<=38.45	Pass
		8	0	23.29	-2.80	18.34	<=38.45	Pass
			4	23.22	-2.80	18.27	<=38.45	Pass
			7	23.20	-2.80	18.25	<=38.45	Pass
		15	0	23.21	-2.80	18.26	<=38.45	Pass
64QAM	825.5	1	0	23.60	-2.80	18.65	<=38.45	Pass
			7	23.62	-2.80	18.67	<=38.45	Pass
			14	23.42	-2.80	18.47	<=38.45	Pass
		8	0	22.25	-2.80	17.30	<=38.45	Pass
			4	22.20	-2.80	17.25	<=38.45	Pass
			7	22.24	-2.80	17.29	<=38.45	Pass
		15	0	22.11	-2.80	17.16	<=38.45	Pass
	836.5	1	0	23.41	-2.80	18.46	<=38.45	Pass
			7	23.48	-2.80	18.53	<=38.45	Pass
			14	23.52	-2.80	18.57	<=38.45	Pass
		8	0	22.33	-2.80	17.38	<=38.45	Pass
			4	22.35	-2.80	17.40	<=38.45	Pass
			7	22.37	-2.80	17.42	<=38.45	Pass
		15	0	22.30	-2.80	17.35	<=38.45	Pass
	847.5	1	0	23.28	-2.80	18.33	<=38.45	Pass
			7	23.25	-2.80	18.30	<=38.45	Pass
			14	23.15	-2.80	18.20	<=38.45	Pass
		8	0	22.10	-2.80	17.15	<=38.45	Pass
			4	21.99	-2.80	17.04	<=38.45	Pass
			7	22.01	-2.80	17.06	<=38.45	Pass
		15	0	22.19	-2.80	17.24	<=38.45	Pass
256QAM	825.5	1	0	20.43	-2.80	15.48	<=38.45	Pass
			7	20.48	-2.80	15.53	<=38.45	Pass
			14	20.48	-2.80	15.53	<=38.45	Pass
		8	0	20.25	-2.80	15.30	<=38.45	Pass
			4	20.20	-2.80	15.25	<=38.45	Pass
			7	20.25	-2.80	15.30	<=38.45	Pass
		15	0	20.19	-2.80	15.24	<=38.45	Pass
	836.5	1	0	20.08	-2.80	15.13	<=38.45	Pass
			7	20.13	-2.80	15.18	<=38.45	Pass
			14	20.11	-2.80	15.16	<=38.45	Pass
		8	0	20.20	-2.80	15.25	<=38.45	Pass
			4	20.26	-2.80	15.31	<=38.45	Pass
			7	20.29	-2.80	15.34	<=38.45	Pass
		15	0	20.41	-2.80	15.46	<=38.45	Pass
	847.5	1	0	20.12	-2.80	15.17	<=38.45	Pass
			7	20.14	-2.80	15.19	<=38.45	Pass
			14	20.03	-2.80	15.08	<=38.45	Pass
		8	0	20.28	-2.80	15.33	<=38.45	Pass
			4	20.20	-2.80	15.25	<=38.45	Pass
			7	20.20	-2.80	15.25	<=38.45	Pass
		15	0	20.16	-2.80	15.21	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	24.65	-2.80	19.70	<=38.45	Pass		
			13	24.55	-2.80	19.60	<=38.45	Pass		
			24	24.60	-2.80	19.65	<=38.45	Pass		
		12	0	24.04	-2.80	19.09	<=38.45	Pass		
			6	24.02	-2.80	19.07	<=38.45	Pass		
			13	24.00	-2.80	19.05	<=38.45	Pass		
		25	0	24.05	-2.80	19.10	<=38.45	Pass		
		836.5	1	0	24.64	-2.80	19.69	<=38.45	Pass	
				13	24.73	-2.80	19.78	<=38.45	Pass	
	24			24.76	-2.80	19.81	<=38.45	Pass		
	12		0	24.23	-2.80	19.28	<=38.45	Pass		
			6	24.24	-2.80	19.29	<=38.45	Pass		
			13	24.29	-2.80	19.34	<=38.45	Pass		
	25		0	24.30	-2.80	19.35	<=38.45	Pass		
	846.5		1	0	24.69	-2.80	19.74	<=38.45	Pass	
				13	24.63	-2.80	19.68	<=38.45	Pass	
		24		24.62	-2.80	19.67	<=38.45	Pass		
		12	0	24.17	-2.80	19.22	<=38.45	Pass		
			6	24.11	-2.80	19.16	<=38.45	Pass		
			13	24.06	-2.80	19.11	<=38.45	Pass		
		25	0	24.16	-2.80	19.21	<=38.45	Pass		
		16QAM	826.5	1	0	23.87	-2.80	18.92	<=38.45	Pass
					13	23.83	-2.80	18.88	<=38.45	Pass
	24				23.89	-2.80	18.94	<=38.45	Pass	
	12			0	23.12	-2.80	18.17	<=38.45	Pass	
				6	23.13	-2.80	18.18	<=38.45	Pass	
				13	23.12	-2.80	18.17	<=38.45	Pass	
25	0			23.17	-2.80	18.22	<=38.45	Pass		
836.5	1			0	24.42	-2.80	19.47	<=38.45	Pass	
				13	24.51	-2.80	19.56	<=38.45	Pass	
			24	24.51	-2.80	19.56	<=38.45	Pass		
	12		0	23.30	-2.80	18.35	<=38.45	Pass		
			6	23.30	-2.80	18.35	<=38.45	Pass		
			13	23.34	-2.80	18.39	<=38.45	Pass		
	25		0	23.26	-2.80	18.31	<=38.45	Pass		
	846.5		1	0	24.29	-2.80	19.34	<=38.45	Pass	
				13	24.21	-2.80	19.26	<=38.45	Pass	
24				24.20	-2.80	19.25	<=38.45	Pass		
12			0	23.20	-2.80	18.25	<=38.45	Pass		
		6	23.16	-2.80	18.21	<=38.45	Pass			
		13	23.13	-2.80	18.18	<=38.45	Pass			
25		0	23.20	-2.80	18.25	<=38.45	Pass			
64QAM		826.5	1	0	22.95	-2.80	18.00	<=38.45	Pass	
				13	22.85	-2.80	17.90	<=38.45	Pass	
	24			22.88	-2.80	17.93	<=38.45	Pass		
	12		0	22.18	-2.80	17.23	<=38.45	Pass		
			6	22.17	-2.80	17.22	<=38.45	Pass		
			13	22.12	-2.80	17.17	<=38.45	Pass		
	25		0	22.12	-2.80	17.17	<=38.45	Pass		
	836.5		1	0	23.41	-2.80	18.46	<=38.45	Pass	
				13	23.54	-2.80	18.59	<=38.45	Pass	
		24		23.52	-2.80	18.57	<=38.45	Pass		
		12	0	22.21	-2.80	17.26	<=38.45	Pass		
			6	22.21	-2.80	17.26	<=38.45	Pass		
			13	22.27	-2.80	17.32	<=38.45	Pass		
		25	0	22.25	-2.80	17.30	<=38.45	Pass		
		846.5	1	0	23.26	-2.80	18.31	<=38.45	Pass	
				13	23.31	-2.80	18.36	<=38.45	Pass	
	24			23.20	-2.80	18.25	<=38.45	Pass		
	12		0	22.26	-2.80	17.31	<=38.45	Pass		
			6	22.25	-2.80	17.30	<=38.45	Pass		

			13	22.18	-2.80	17.23	<=38.45	Pass	
		25	0	22.24	-2.80	17.29	<=38.45	Pass	
256QAM	826.5	1	0	19.80	-2.80	14.85	<=38.45	Pass	
			13	19.83	-2.80	14.88	<=38.45	Pass	
			24	19.82	-2.80	14.87	<=38.45	Pass	
		12	0	20.18	-2.80	15.23	<=38.45	Pass	
			6	20.17	-2.80	15.22	<=38.45	Pass	
			13	20.15	-2.80	15.20	<=38.45	Pass	
		25	0	20.18	-2.80	15.23	<=38.45	Pass	
		836.5	1	0	20.29	-2.80	15.34	<=38.45	Pass
				13	20.39	-2.80	15.44	<=38.45	Pass
	24			20.38	-2.80	15.43	<=38.45	Pass	
	12		0	20.27	-2.80	15.32	<=38.45	Pass	
			6	20.28	-2.80	15.33	<=38.45	Pass	
			13	20.32	-2.80	15.37	<=38.45	Pass	
	25	0	20.27	-2.80	15.32	<=38.45	Pass		
	846.5	1	0	20.14	-2.80	15.19	<=38.45	Pass	
			13	20.15	-2.80	15.20	<=38.45	Pass	
			24	20.04	-2.80	15.09	<=38.45	Pass	
		12	0	20.21	-2.80	15.26	<=38.45	Pass	
			6	20.19	-2.80	15.24	<=38.45	Pass	
			13	20.13	-2.80	15.18	<=38.45	Pass	
		25	0	20.24	-2.80	15.29	<=38.45	Pass	
		Note1: ERP=Conducted Power+Antenna Gain-2.15							

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.60	-2.80	19.65	<=38.45	Pass
			25	24.59	-2.80	19.64	<=38.45	Pass
			49	24.73	-2.80	19.78	<=38.45	Pass
		25	0	24.03	-2.80	19.08	<=38.45	Pass
			13	24.05	-2.80	19.10	<=38.45	Pass
			25	24.13	-2.80	19.18	<=38.45	Pass
		50	0	24.08	-2.80	19.13	<=38.45	Pass
	836.5	1	0	24.59	-2.80	19.64	<=38.45	Pass
			25	24.71	-2.80	19.76	<=38.45	Pass
			49	24.70	-2.80	19.75	<=38.45	Pass
		25	0	24.14	-2.80	19.19	<=38.45	Pass
			13	24.22	-2.80	19.27	<=38.45	Pass
			25	24.30	-2.80	19.35	<=38.45	Pass
		50	0	24.25	-2.80	19.30	<=38.45	Pass
	844	1	0	24.77	-2.80	19.82	<=38.45	Pass
			25	24.64	-2.80	19.69	<=38.45	Pass
			49	24.58	-2.80	19.63	<=38.45	Pass
		25	0	24.23	-2.80	19.28	<=38.45	Pass
			13	24.15	-2.80	19.20	<=38.45	Pass
			25	24.10	-2.80	19.15	<=38.45	Pass
		50	0	24.18	-2.80	19.23	<=38.45	Pass
16QAM	829	1	0	24.63	-2.80	19.68	<=38.45	Pass
			25	24.58	-2.80	19.63	<=38.45	Pass
			49	24.72	-2.80	19.77	<=38.45	Pass
		25	0	23.18	-2.80	18.23	<=38.45	Pass
			13	23.17	-2.80	18.22	<=38.45	Pass
			25	23.21	-2.80	18.26	<=38.45	Pass
		50	0	23.13	-2.80	18.18	<=38.45	Pass
	836.5	1	0	24.30	-2.80	19.35	<=38.45	Pass
			25	24.42	-2.80	19.47	<=38.45	Pass
			49	24.43	-2.80	19.48	<=38.45	Pass
		25	0	23.22	-2.80	18.27	<=38.45	Pass

			13	23.28	-2.80	18.33	<=38.45	Pass
			25	23.33	-2.80	18.38	<=38.45	Pass
		50	0	23.24	-2.80	18.29	<=38.45	Pass
	844	1	0	24.29	-2.80	19.34	<=38.45	Pass
			25	24.21	-2.80	19.26	<=38.45	Pass
			49	24.14	-2.80	19.19	<=38.45	Pass
		25	0	23.32	-2.80	18.37	<=38.45	Pass
			13	23.23	-2.80	18.28	<=38.45	Pass
			25	23.22	-2.80	18.27	<=38.45	Pass
		50	0	23.17	-2.80	18.22	<=38.45	Pass
64QAM	829	1	0	23.36	-2.80	18.41	<=38.45	Pass
			25	23.35	-2.80	18.40	<=38.45	Pass
			49	23.45	-2.80	18.50	<=38.45	Pass
		25	0	22.18	-2.80	17.23	<=38.45	Pass
			13	22.15	-2.80	17.20	<=38.45	Pass
			25	22.20	-2.80	17.25	<=38.45	Pass
		50	0	22.15	-2.80	17.20	<=38.45	Pass
	836.5	1	0	23.26	-2.80	18.31	<=38.45	Pass
			25	23.37	-2.80	18.42	<=38.45	Pass
			49	23.35	-2.80	18.40	<=38.45	Pass
		25	0	22.27	-2.80	17.32	<=38.45	Pass
			13	22.31	-2.80	17.36	<=38.45	Pass
			25	22.36	-2.80	17.41	<=38.45	Pass
		50	0	22.27	-2.80	17.32	<=38.45	Pass
	844	1	0	23.31	-2.80	18.36	<=38.45	Pass
			25	23.17	-2.80	18.22	<=38.45	Pass
			49	23.18	-2.80	18.23	<=38.45	Pass
		25	0	22.31	-2.80	17.36	<=38.45	Pass
			13	22.24	-2.80	17.29	<=38.45	Pass
			25	22.23	-2.80	17.28	<=38.45	Pass
		50	0	22.17	-2.80	17.22	<=38.45	Pass
256QAM	829	1	0	20.46	-2.80	15.51	<=38.45	Pass
			25	20.44	-2.80	15.49	<=38.45	Pass
			49	20.57	-2.80	15.62	<=38.45	Pass
		25	0	20.17	-2.80	15.22	<=38.45	Pass
			13	20.15	-2.80	15.20	<=38.45	Pass
			25	20.18	-2.80	15.23	<=38.45	Pass
		50	0	20.16	-2.80	15.21	<=38.45	Pass
	836.5	1	0	19.96	-2.80	15.01	<=38.45	Pass
			25	20.08	-2.80	15.13	<=38.45	Pass
			49	20.08	-2.80	15.13	<=38.45	Pass
		25	0	20.21	-2.80	15.26	<=38.45	Pass
			13	20.27	-2.80	15.32	<=38.45	Pass
			25	20.32	-2.80	15.37	<=38.45	Pass
		50	0	20.21	-2.80	15.26	<=38.45	Pass
	844	1	0	20.30	-2.80	15.35	<=38.45	Pass
			25	20.12	-2.80	15.17	<=38.45	Pass
			49	20.14	-2.80	15.19	<=38.45	Pass
		25	0	20.32	-2.80	15.37	<=38.45	Pass
			13	20.24	-2.80	15.29	<=38.45	Pass
			25	20.21	-2.80	15.26	<=38.45	Pass
		50	0	20.18	-2.80	15.23	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	LV	-1.662	-0.0020	-2.5 to 2.5	Pass
					NV	-4.490	-0.0054	-2.5 to 2.5	Pass
					HV	-2.423	-0.0029	-2.5 to 2.5	Pass
				-30	NV	-4.423	-0.0053	-2.5 to 2.5	Pass
				-20	NV	-2.064	-0.0025	-2.5 to 2.5	Pass
				-10	NV	-4.075	-0.0049	-2.5 to 2.5	Pass
				0	NV	0.347	0.0004	-2.5 to 2.5	Pass
				10	NV	-0.166	-0.0002	-2.5 to 2.5	Pass
				30	NV	-3.061	-0.0037	-2.5 to 2.5	Pass
				40	NV	-1.378	-0.0016	-2.5 to 2.5	Pass
				50	NV	-1.547	-0.0018	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

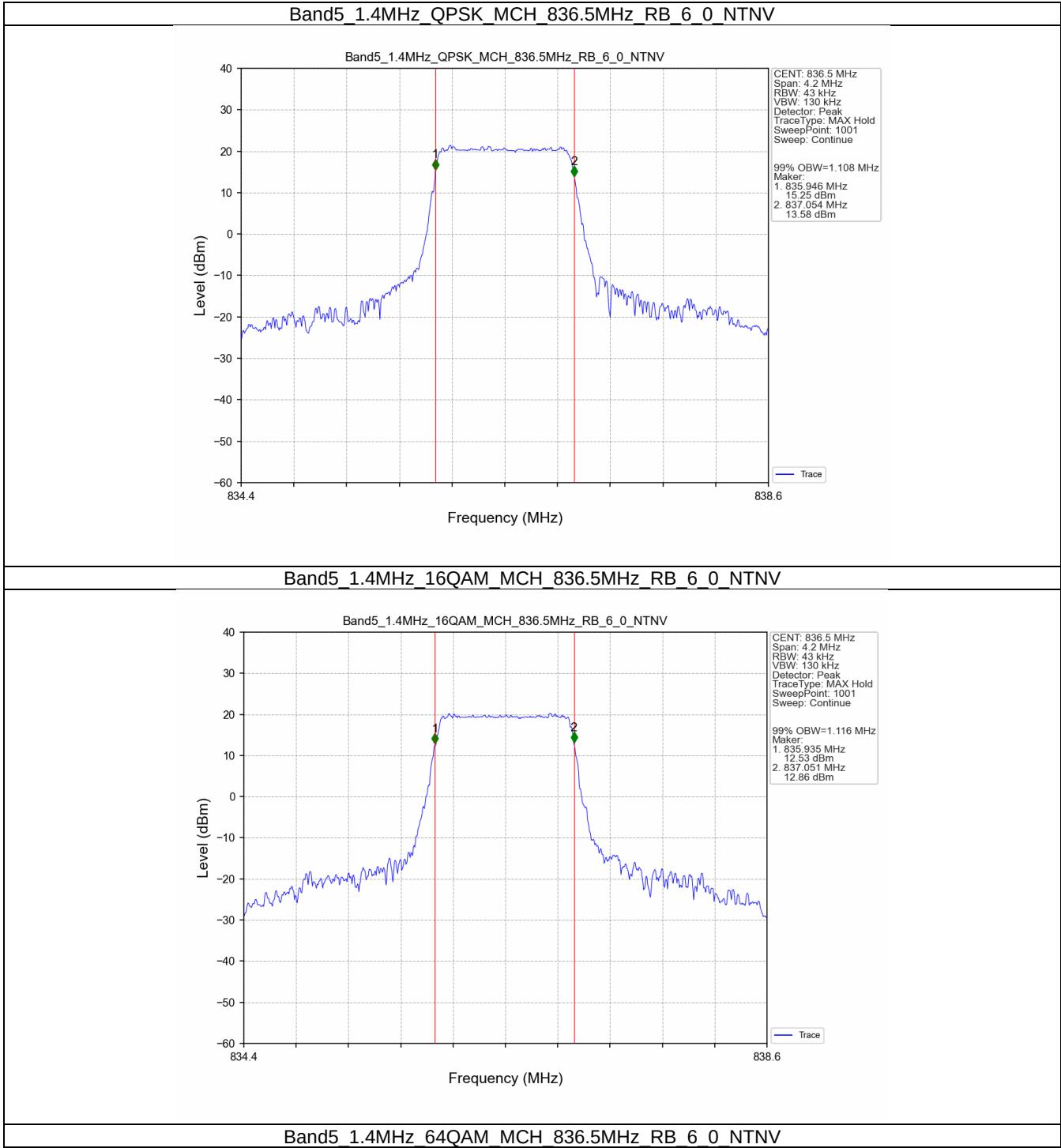
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.108	/	Pass
	16QAM	836.5	6	0	1.116	/	Pass
	64QAM	836.5	6	0	1.103	/	Pass
	256QAM	836.5	6	0	1.104	/	Pass
3	QPSK	836.5	15	0	2.730	/	Pass
	16QAM	836.5	15	0	2.740	/	Pass
	64QAM	836.5	15	0	2.735	/	Pass
	256QAM	836.5	15	0	2.732	/	Pass
5	QPSK	836.5	25	0	4.560	/	Pass
	16QAM	836.5	25	0	4.539	/	Pass
	64QAM	836.5	25	0	4.561	/	Pass
	256QAM	836.5	25	0	4.539	/	Pass
10	QPSK	836.5	50	0	9.069	/	Pass
	16QAM	836.5	50	0	9.047	/	Pass
	64QAM	836.5	50	0	9.048	/	Pass
	256QAM	836.5	50	0	9.057	/	Pass

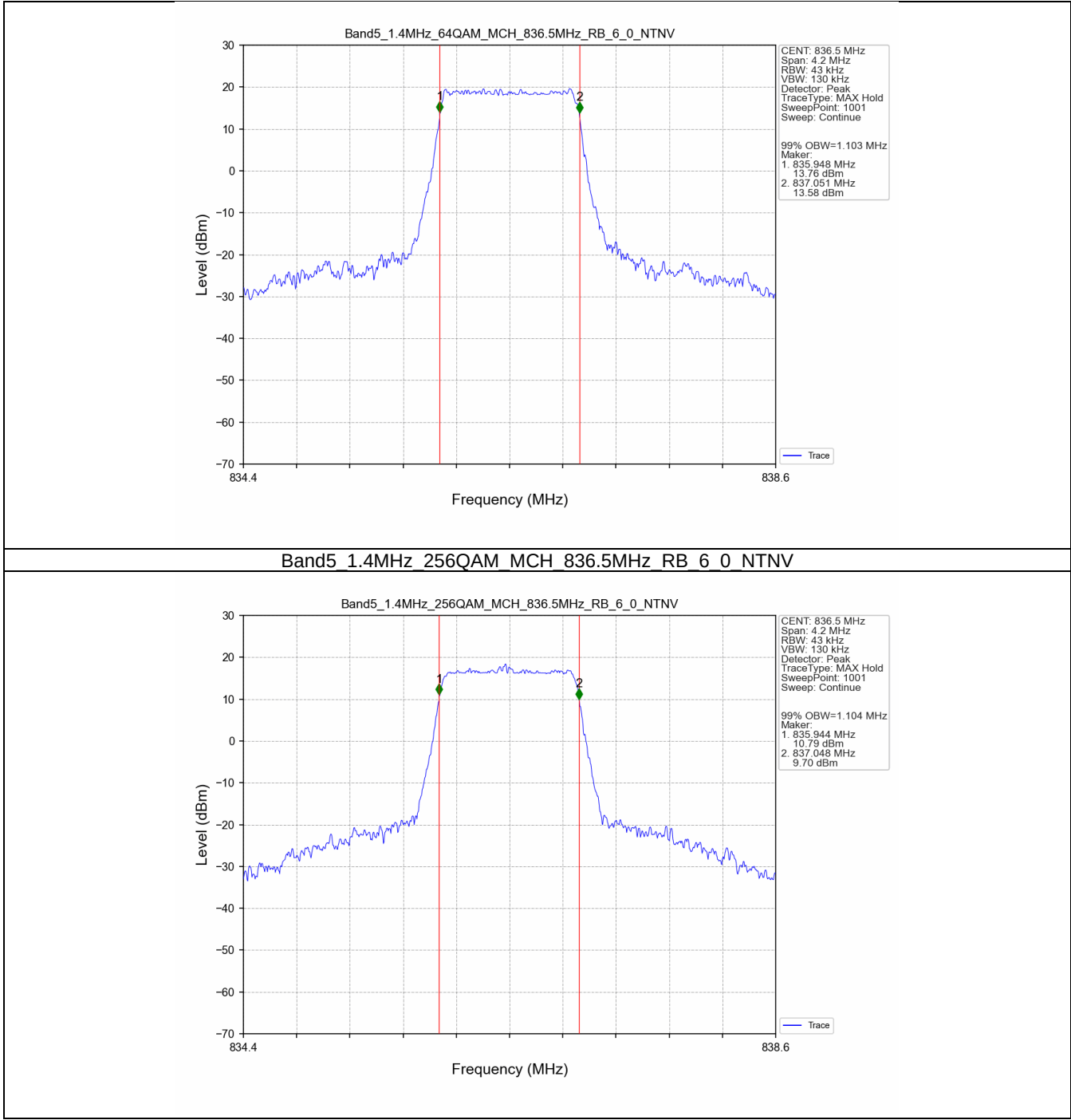
3.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.321	/	Pass
	16QAM	836.5	6	0	1.344	/	Pass
	64QAM	836.5	6	0	1.314	/	Pass
	256QAM	836.5	6	0	1.309	/	Pass
3	QPSK	836.5	15	0	3.030	/	Pass
	16QAM	836.5	15	0	3.035	/	Pass
	64QAM	836.5	15	0	3.033	/	Pass
	256QAM	836.5	15	0	3.055	/	Pass
5	QPSK	836.5	25	0	5.043	/	Pass
	16QAM	836.5	25	0	5.049	/	Pass
	64QAM	836.5	25	0	5.081	/	Pass
	256QAM	836.5	25	0	5.072	/	Pass
10	QPSK	836.5	50	0	10.038	/	Pass
	16QAM	836.5	50	0	9.960	/	Pass
	64QAM	836.5	50	0	9.944	/	Pass
	256QAM	836.5	50	0	9.974	/	Pass

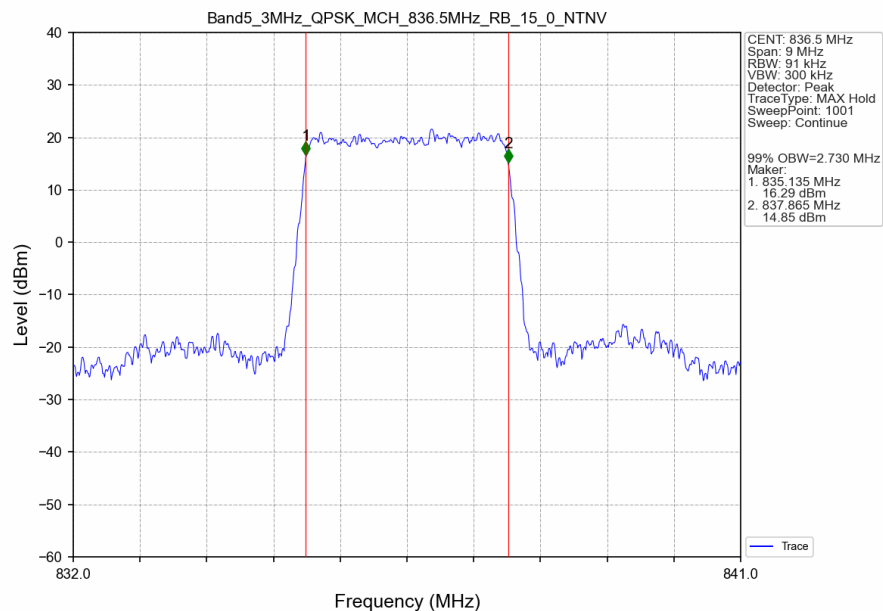
3.2 Test Graph

3.2.1 Band5_OBW

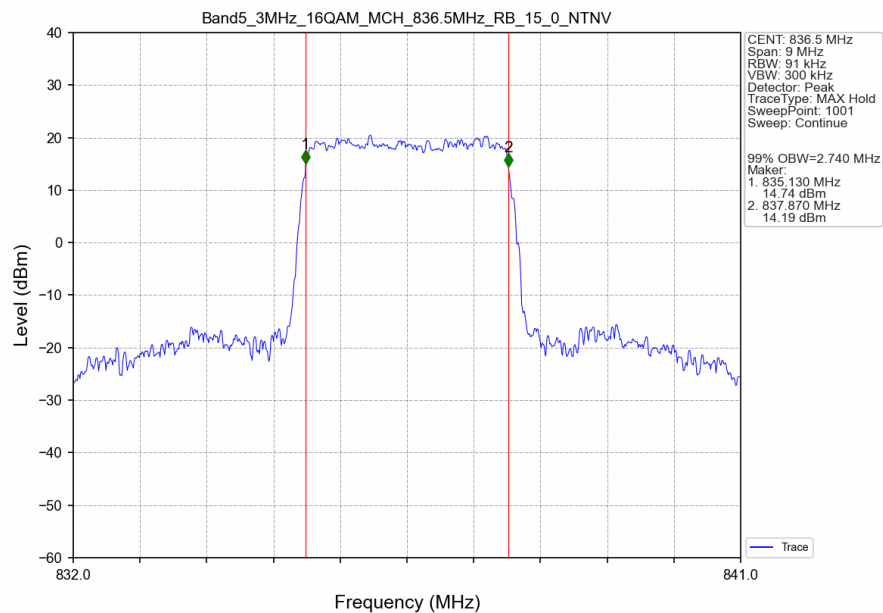




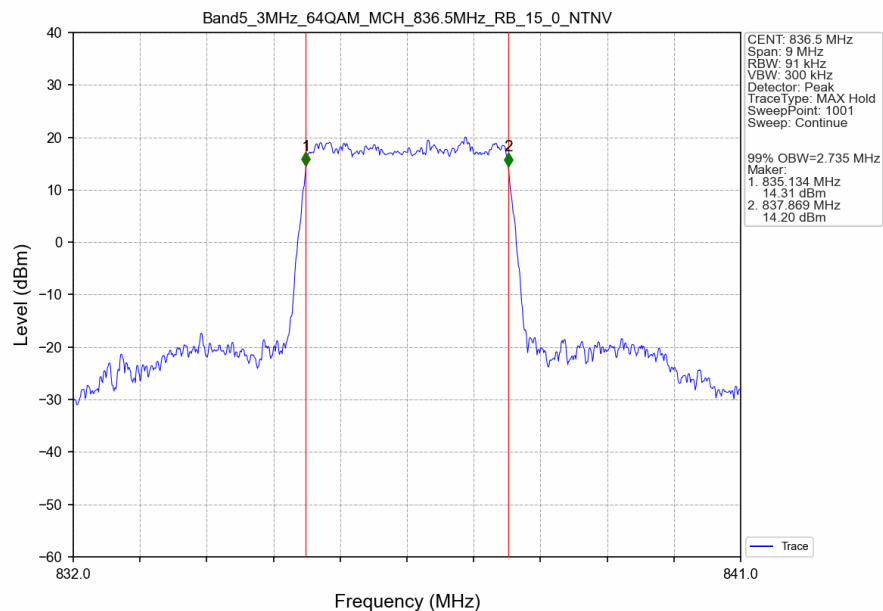
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



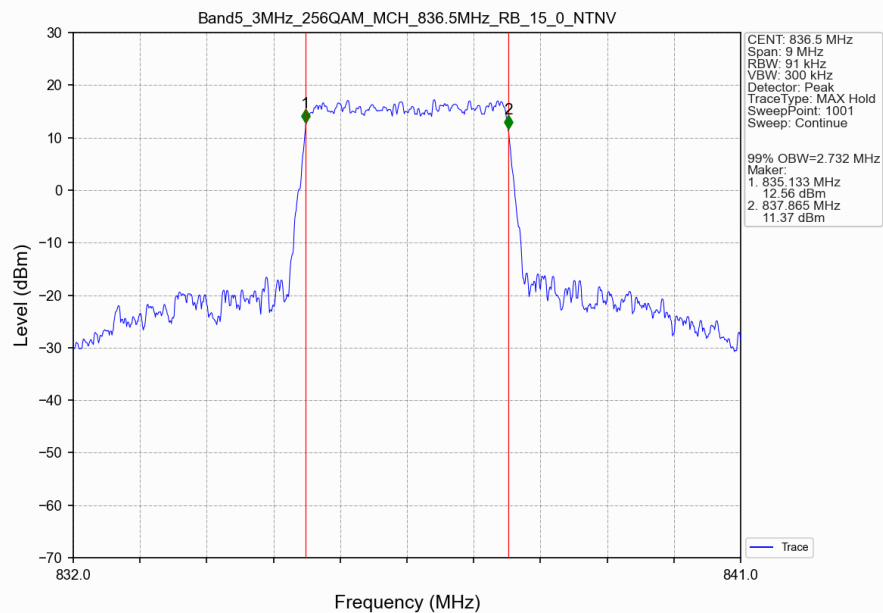
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



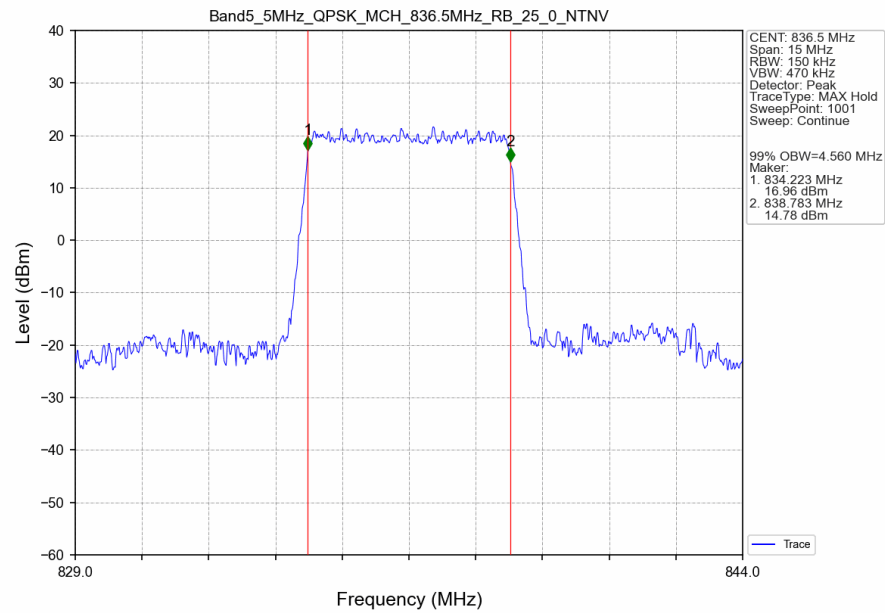
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



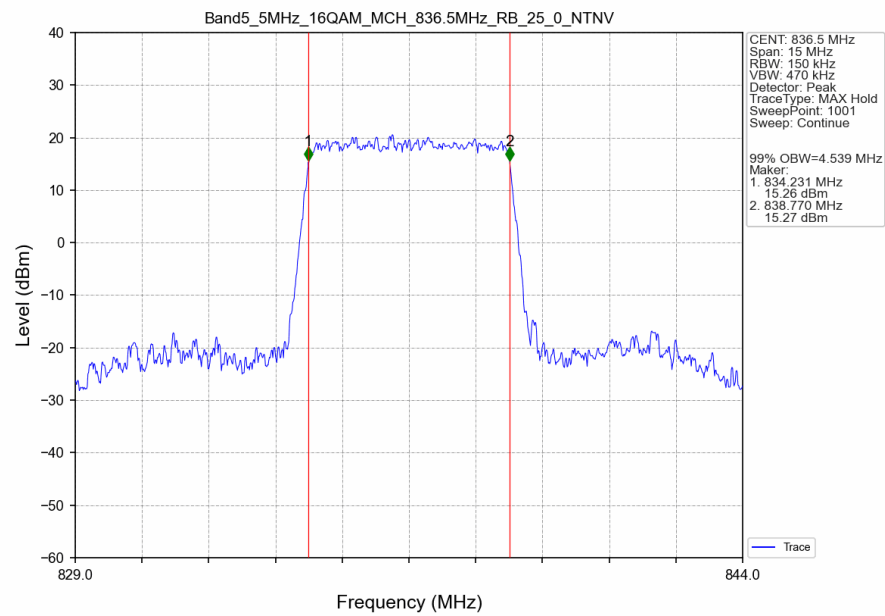
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



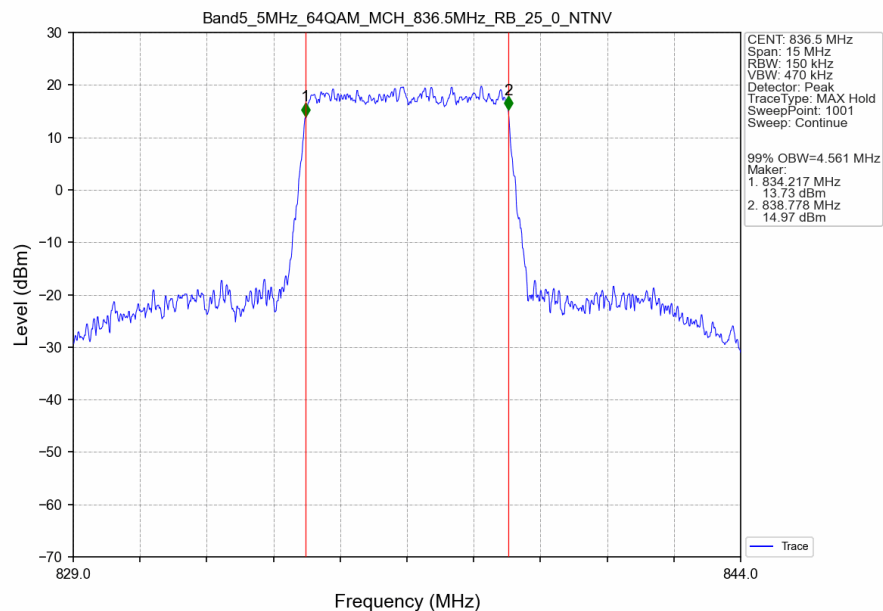
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



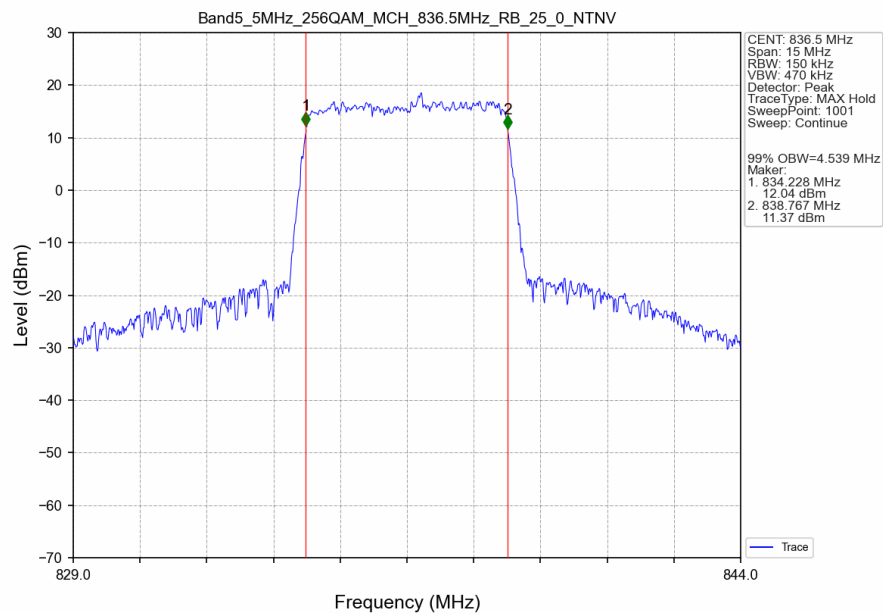
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



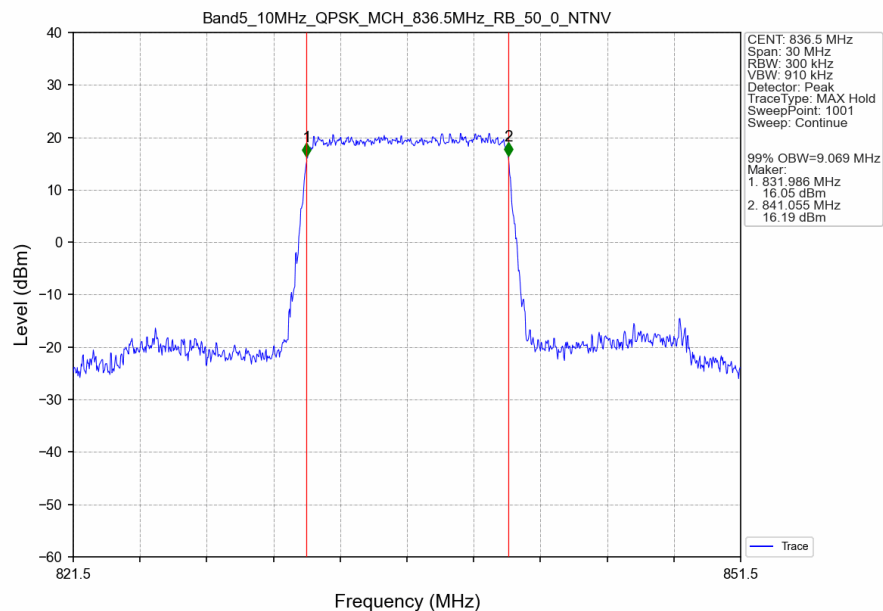
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



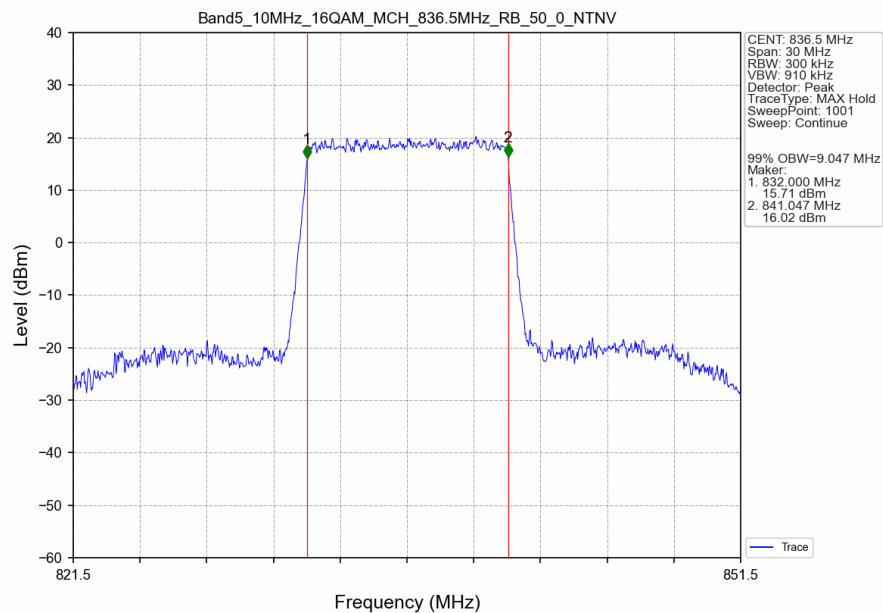
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV

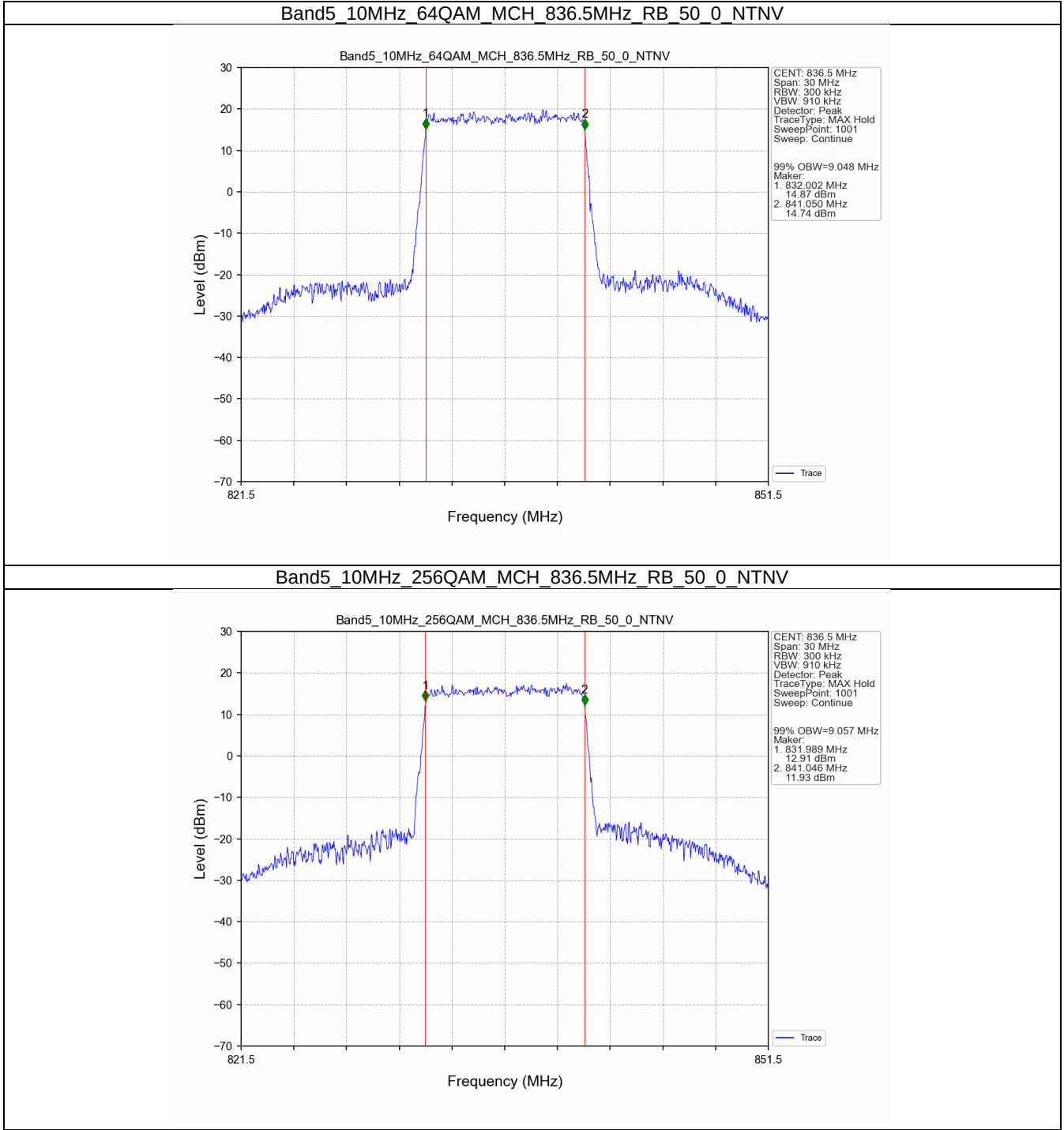


Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

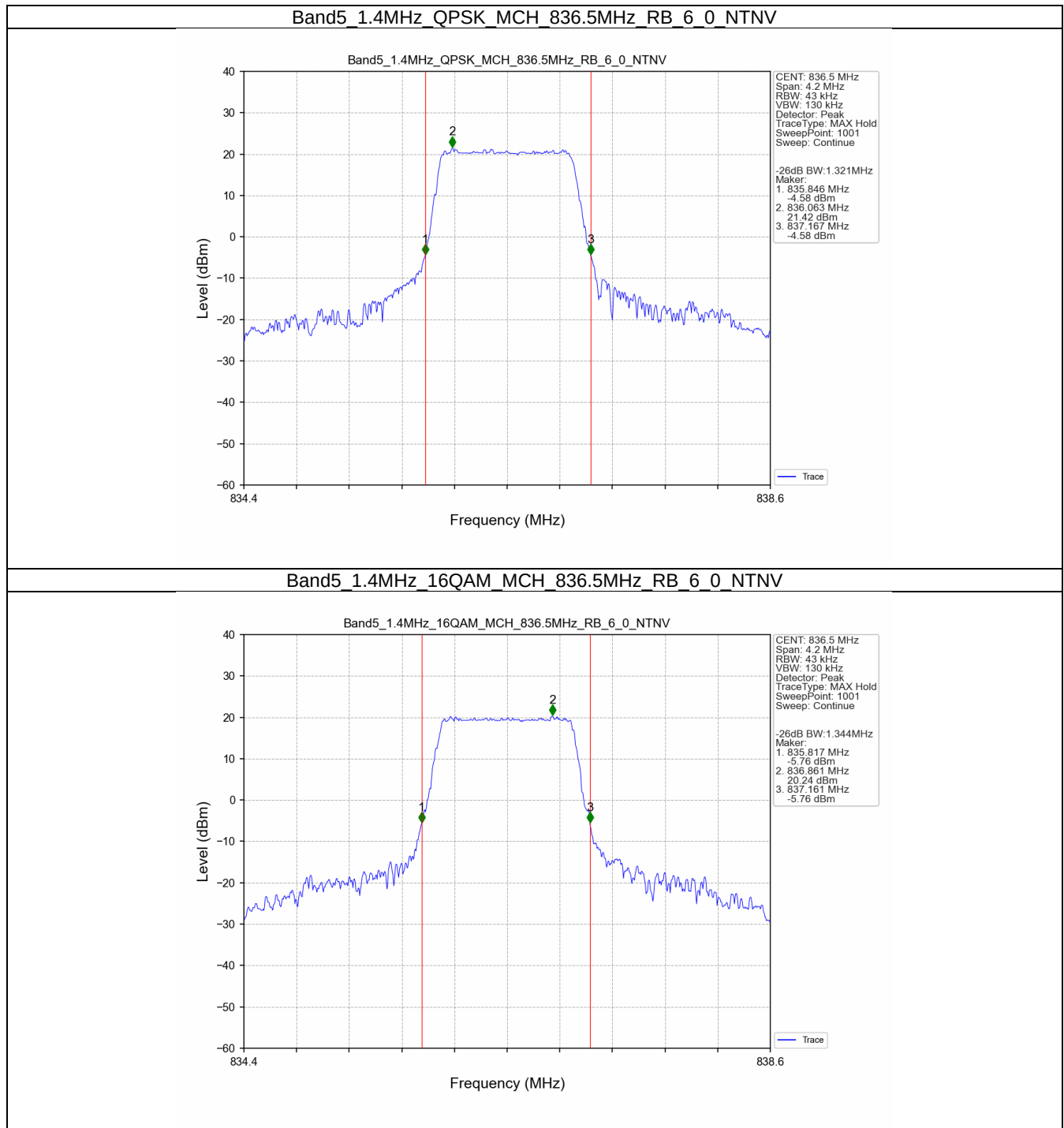


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

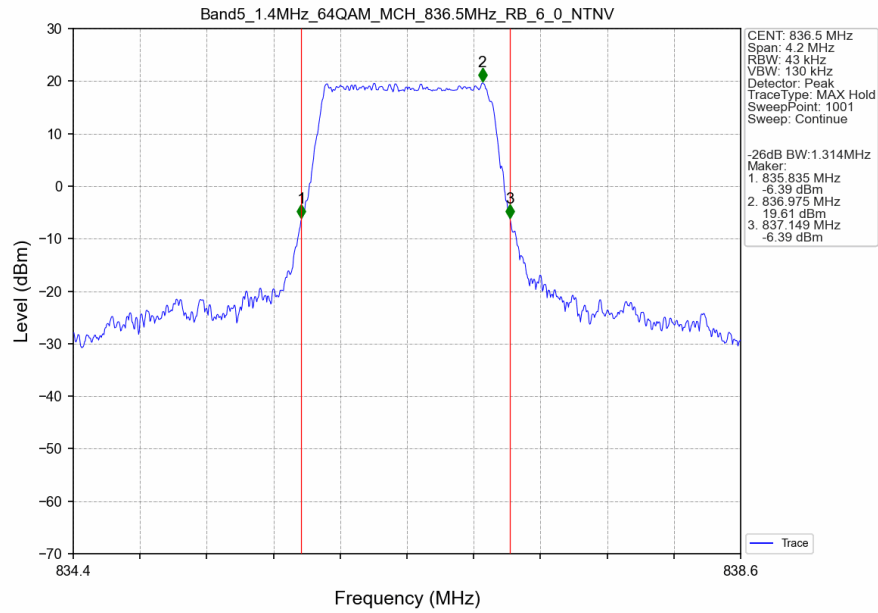




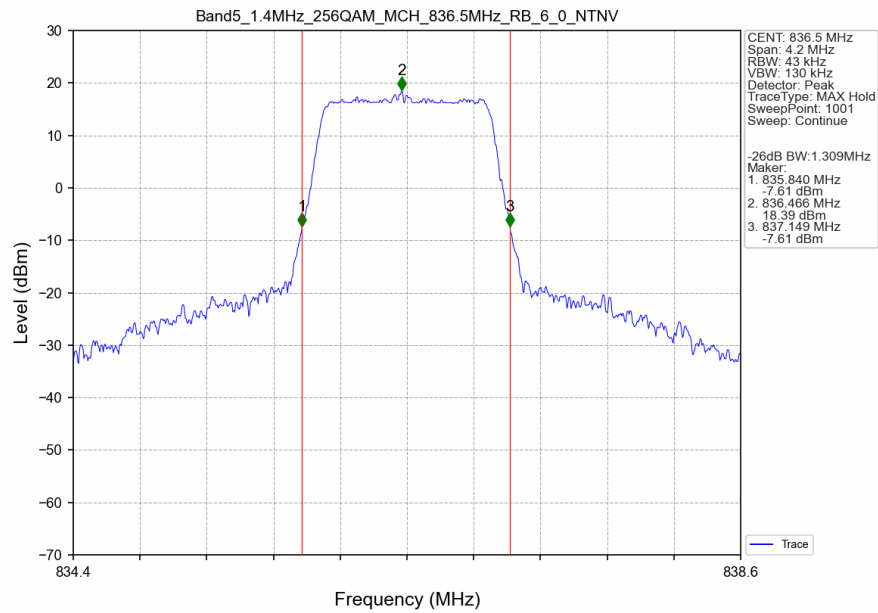
3.2.2 Band5_XDB

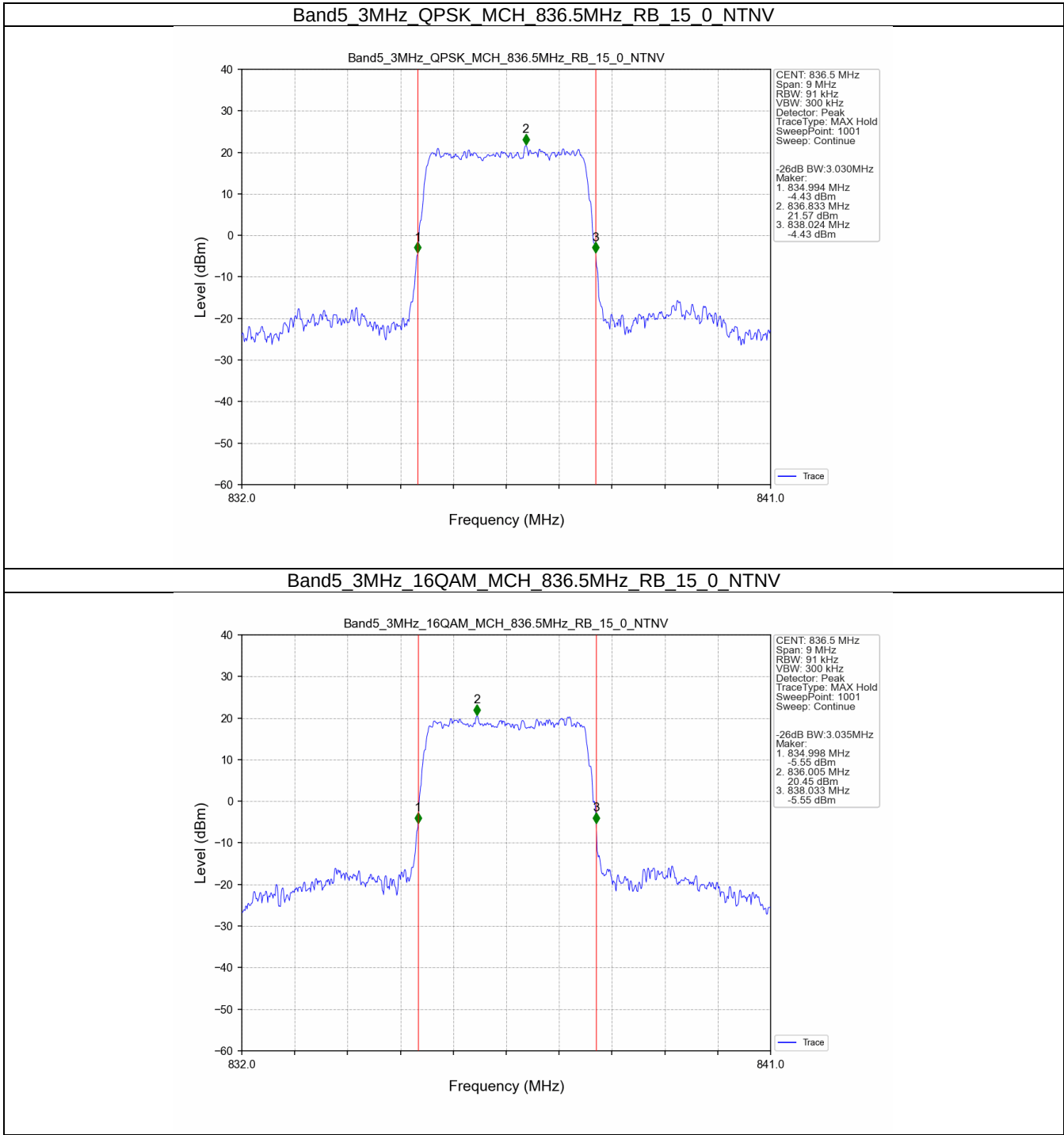


Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV

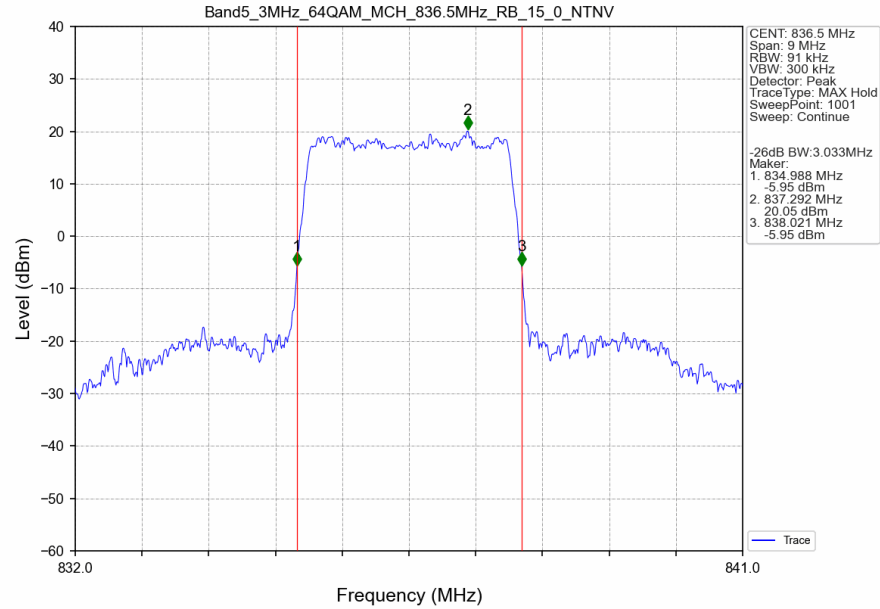


Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV

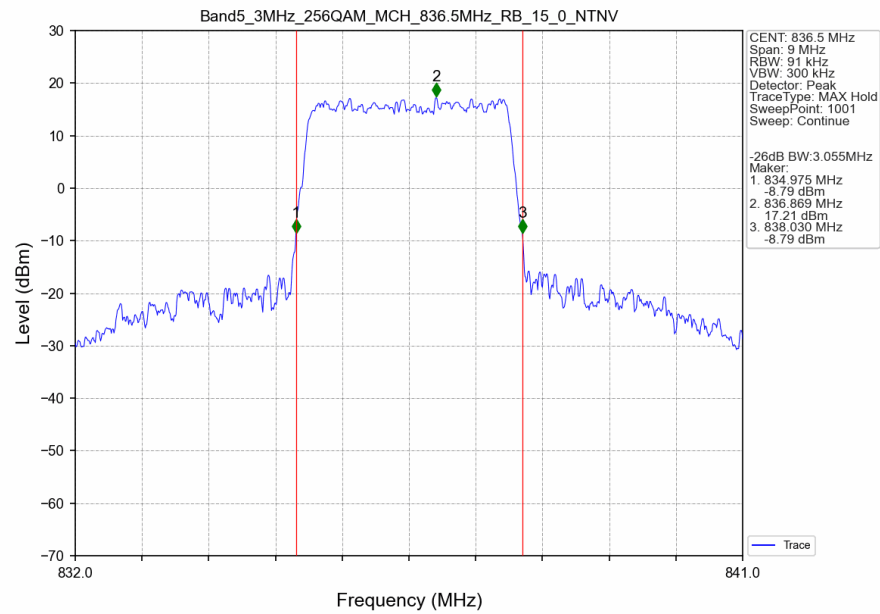




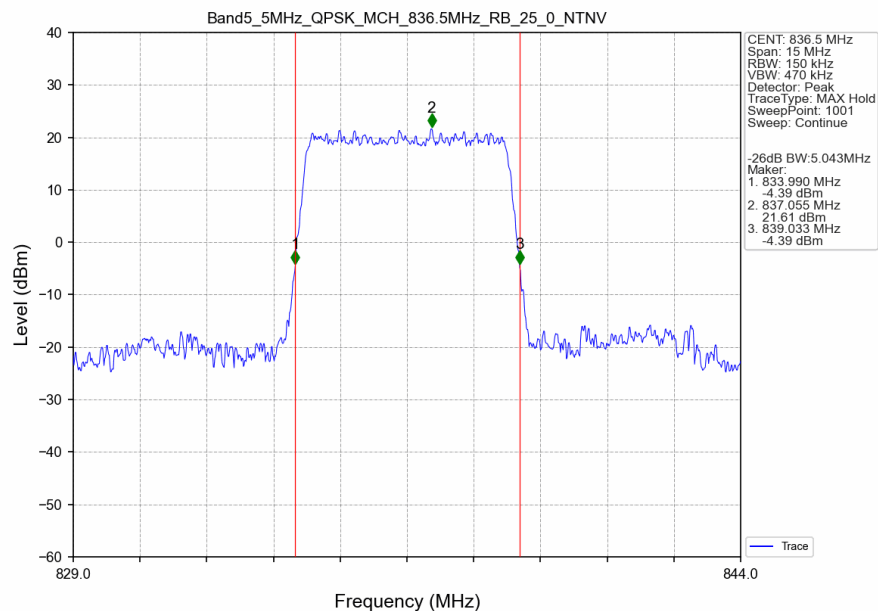
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



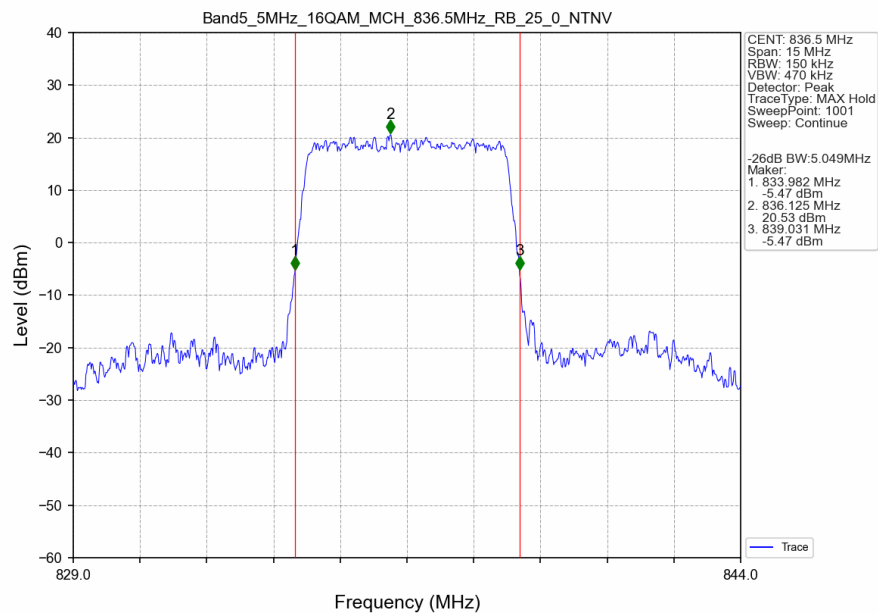
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



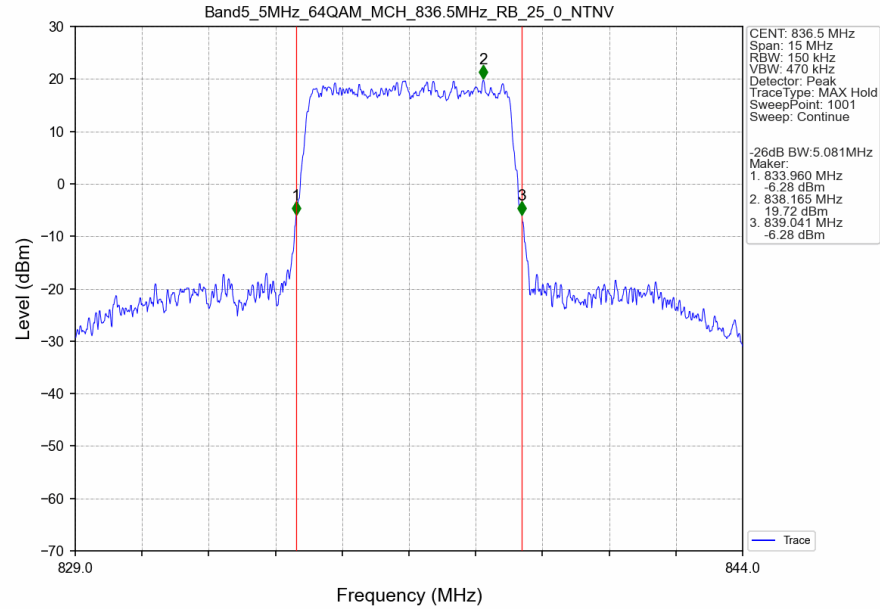
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



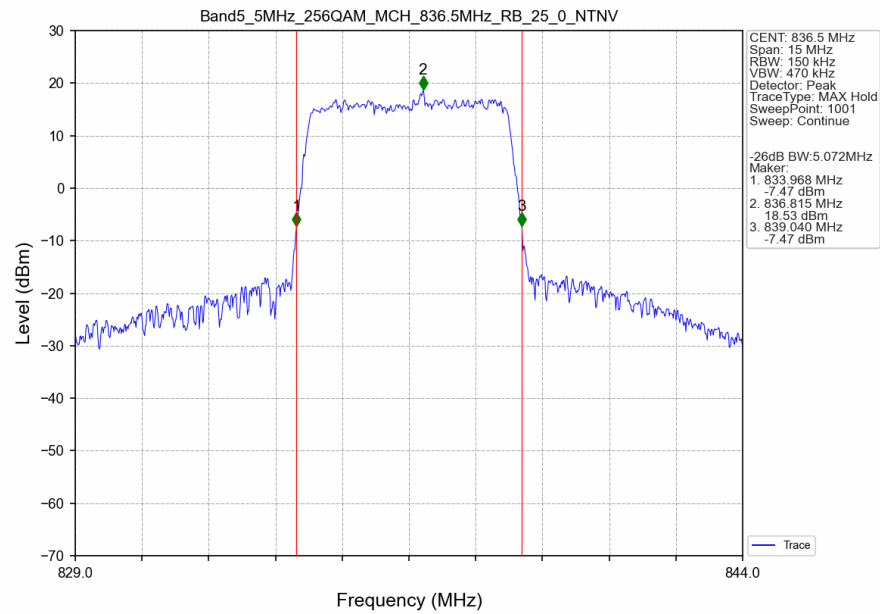
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

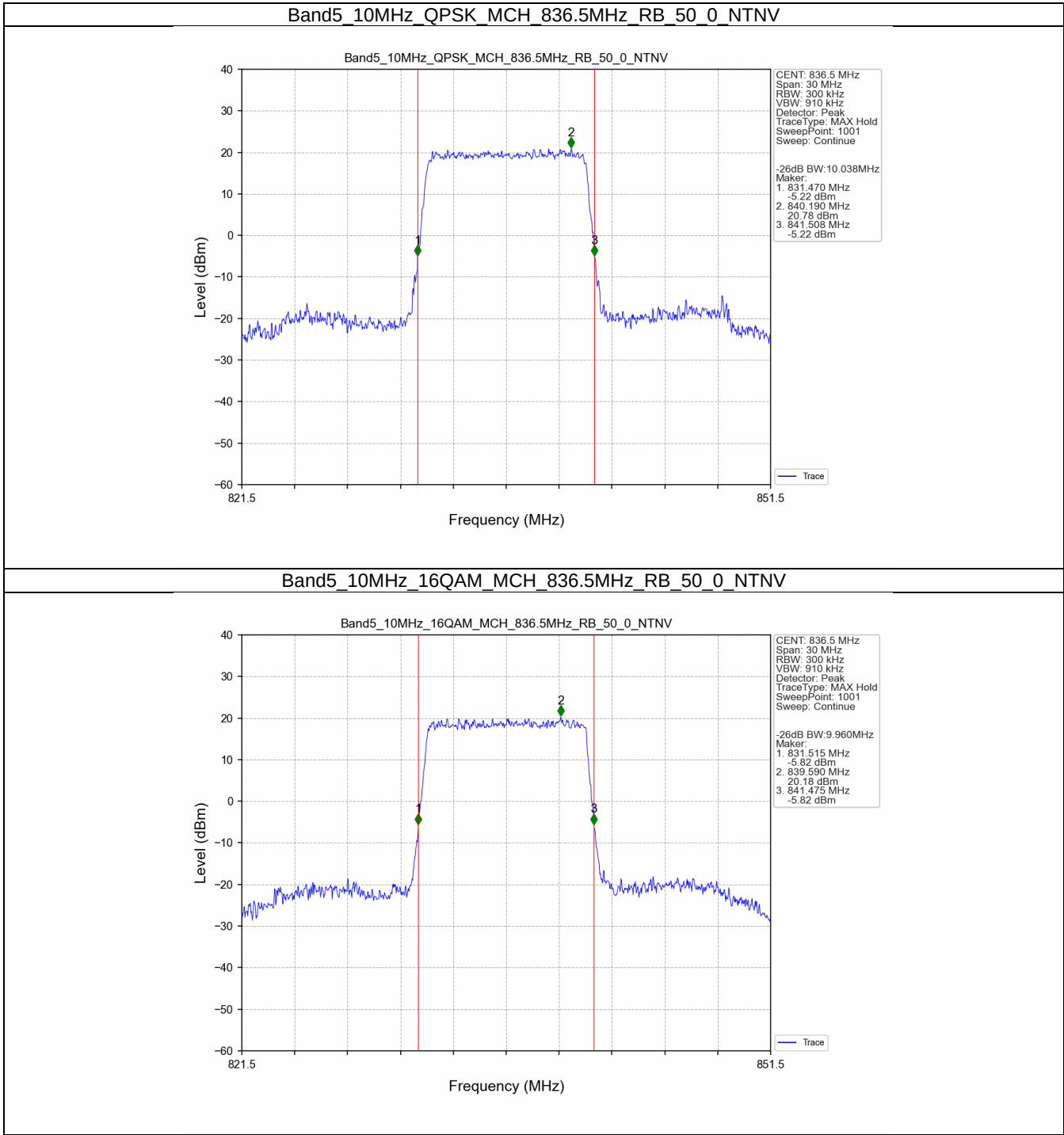


Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

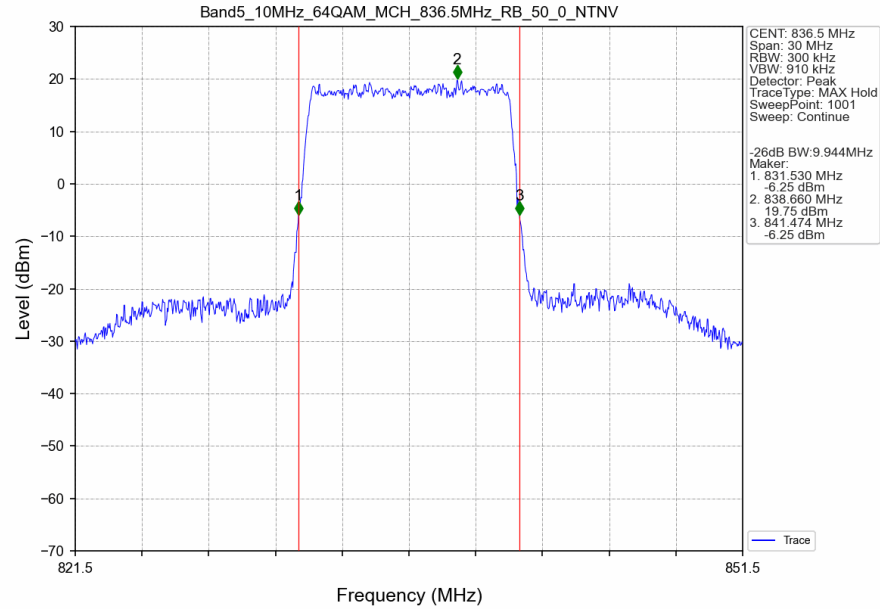


Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV

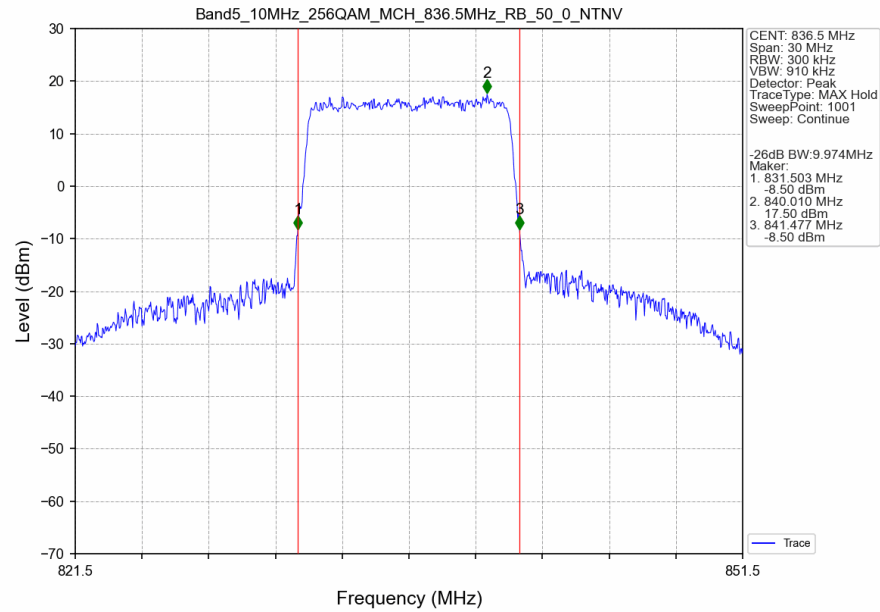




Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

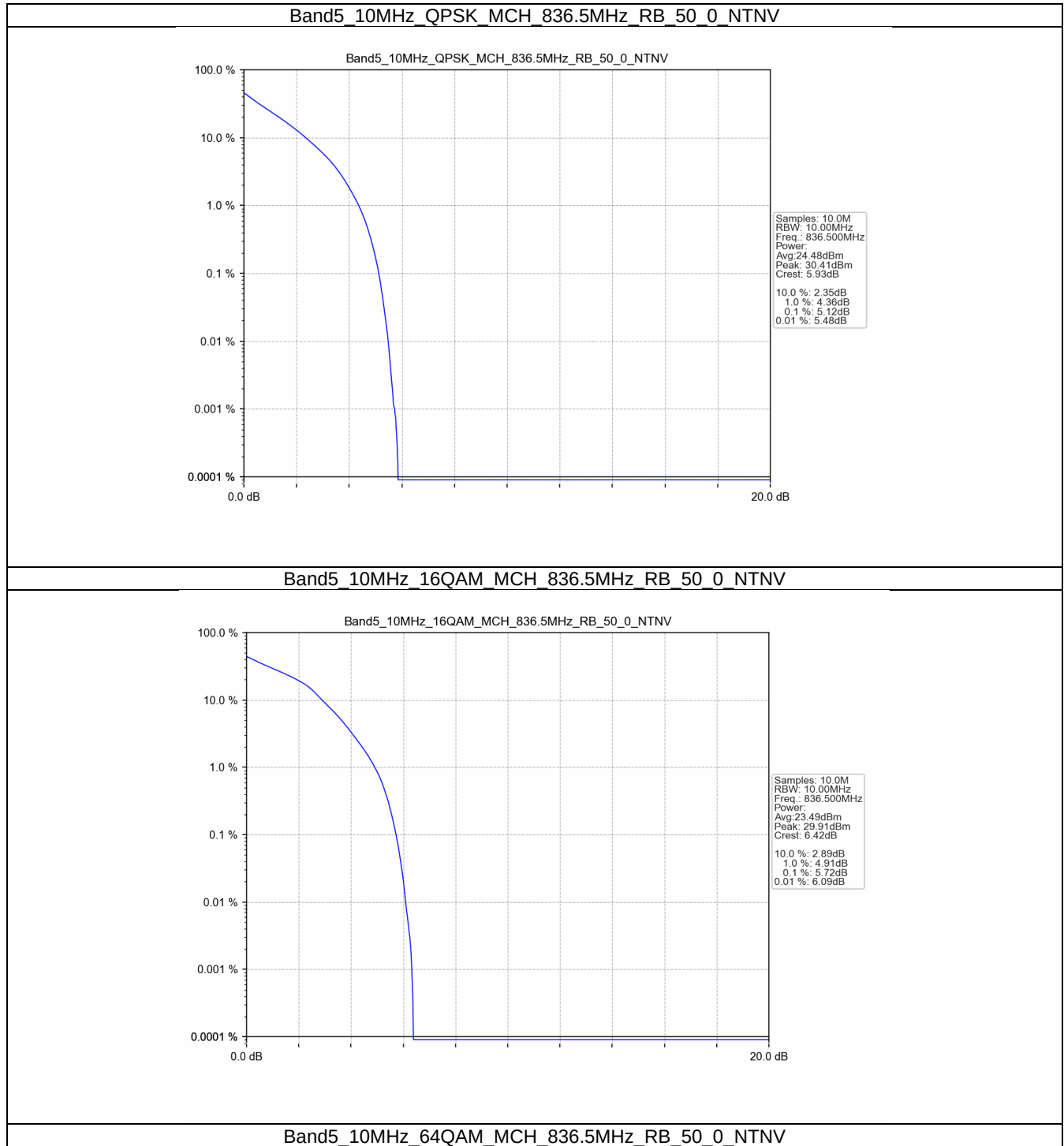
4.1 Test Result

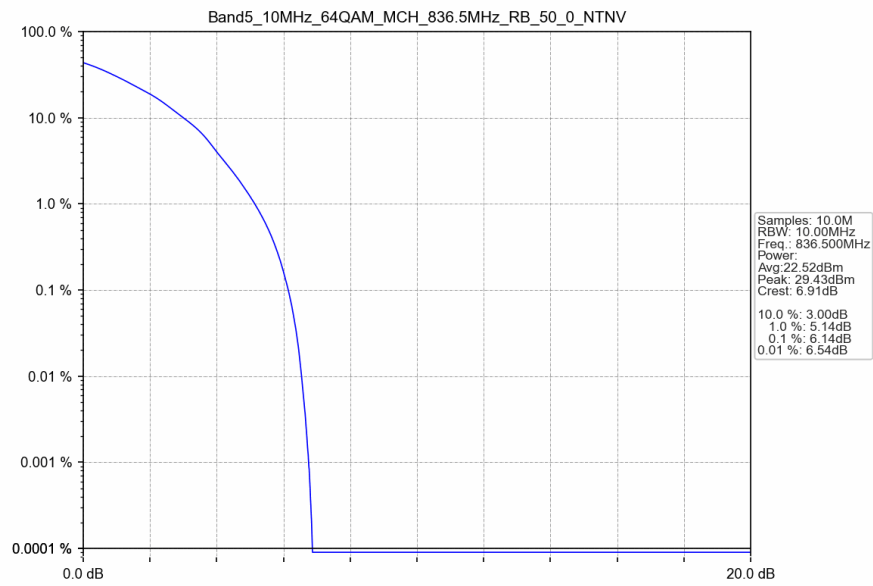
4.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.12	<=13	Pass
16QAM	836.5	50	0	5.72	<=13	Pass
64QAM	836.5	50	0	6.14	<=13	Pass
256QAM	836.5	50	0	6.37	<=13	Pass

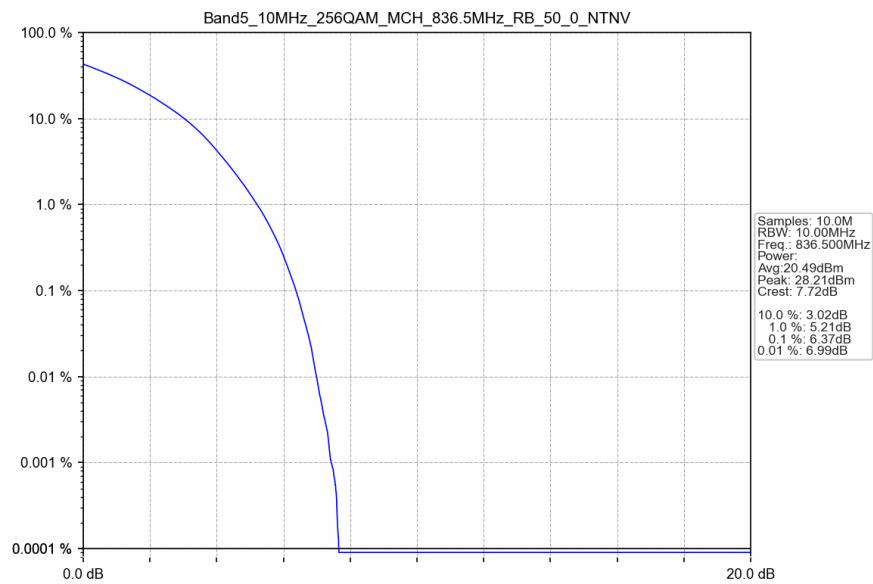
4.2 Test Graph

4.2.1 B5_10MHz





Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTN



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		848.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

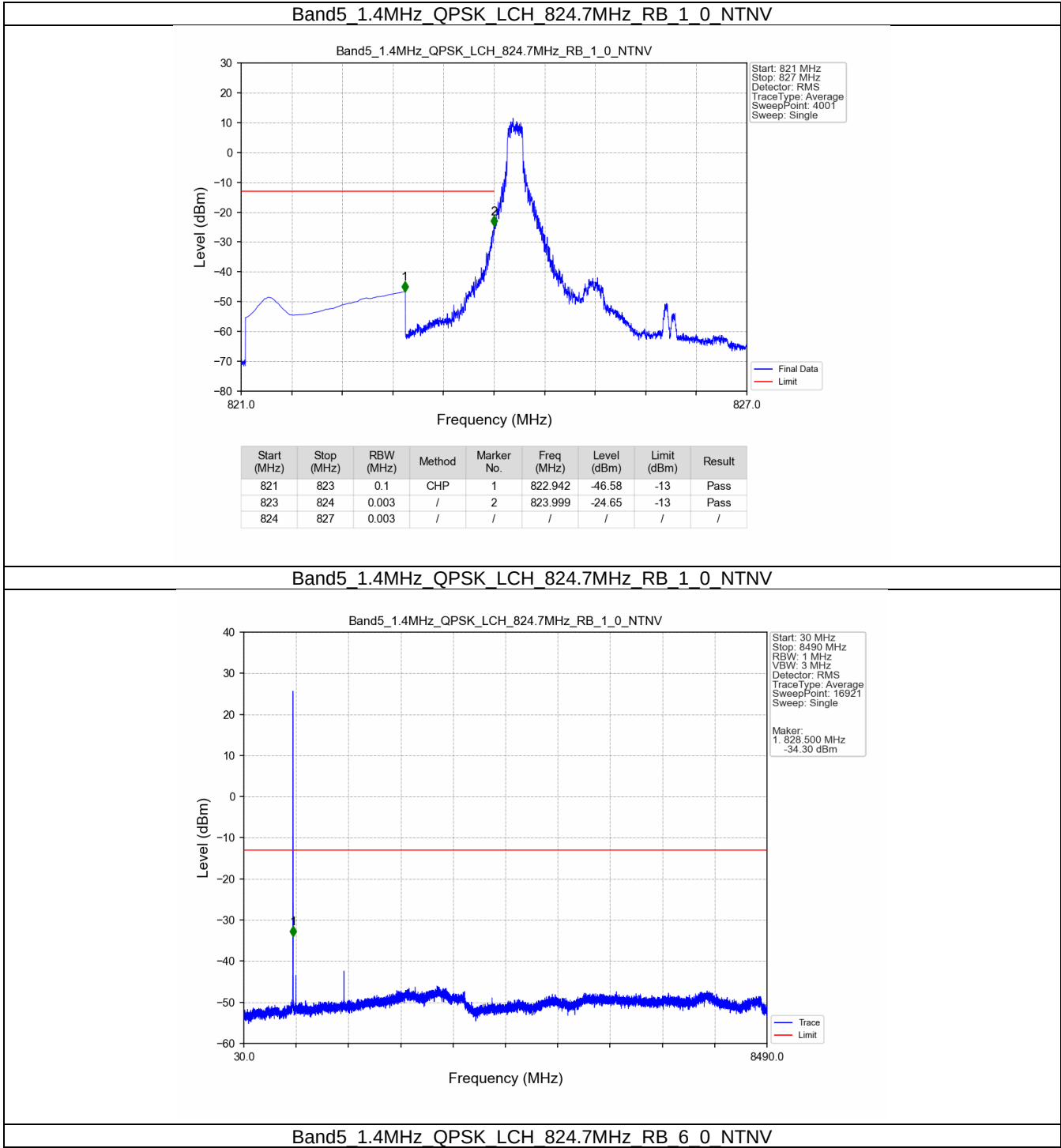
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

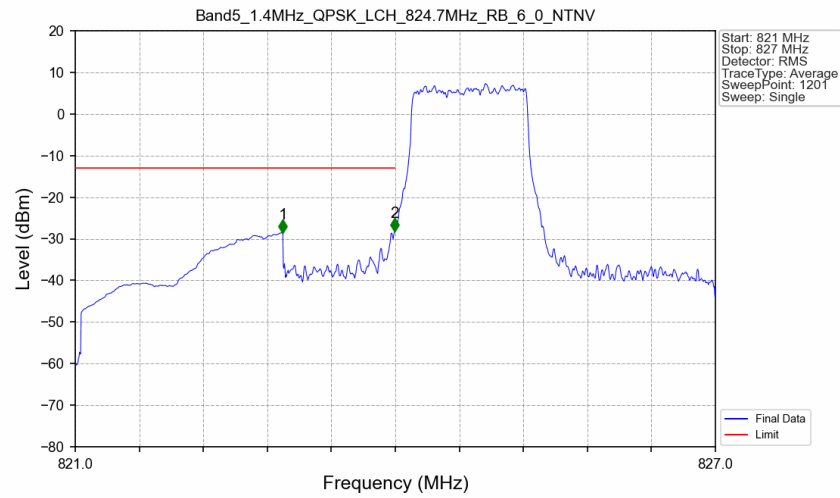
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

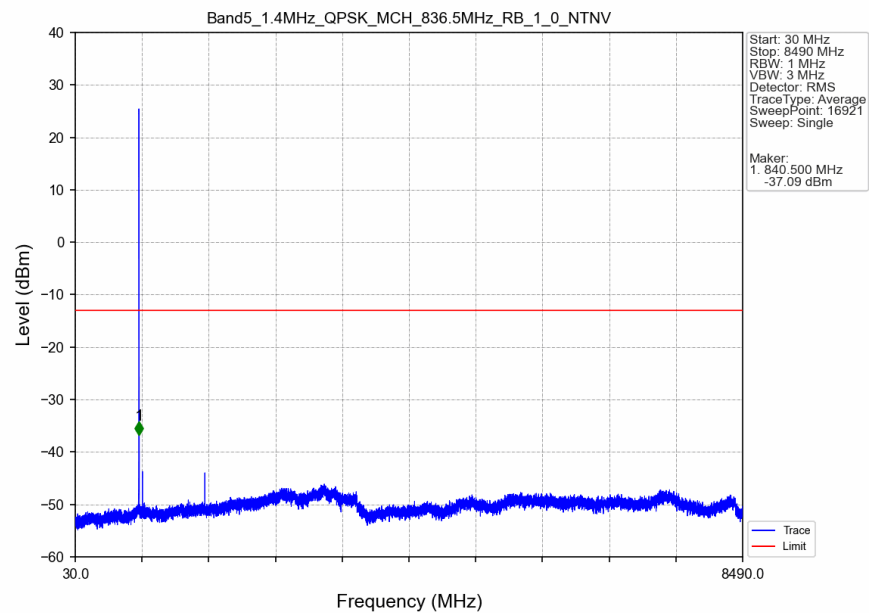
5.2.1 B5_1.4MHz

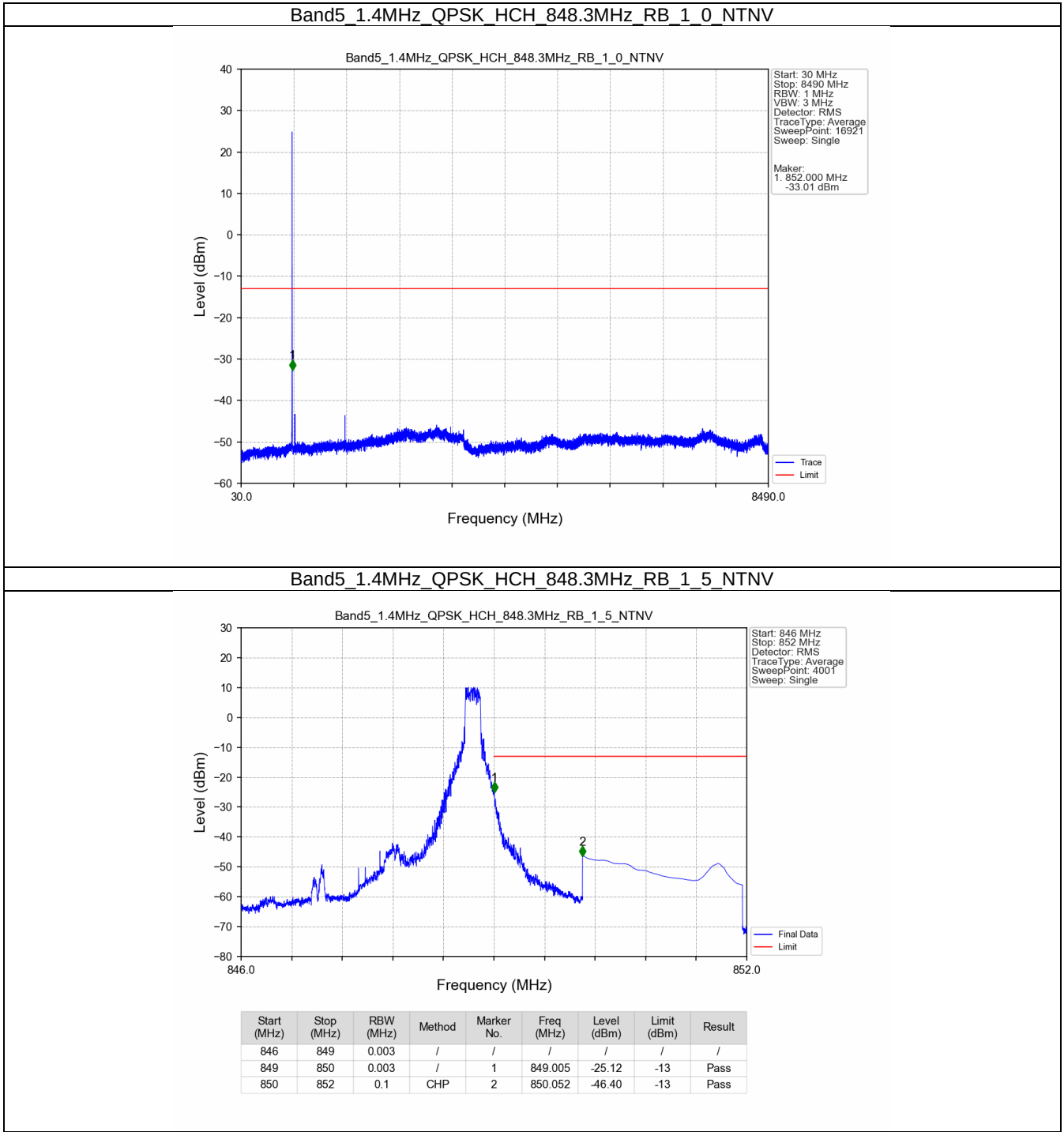




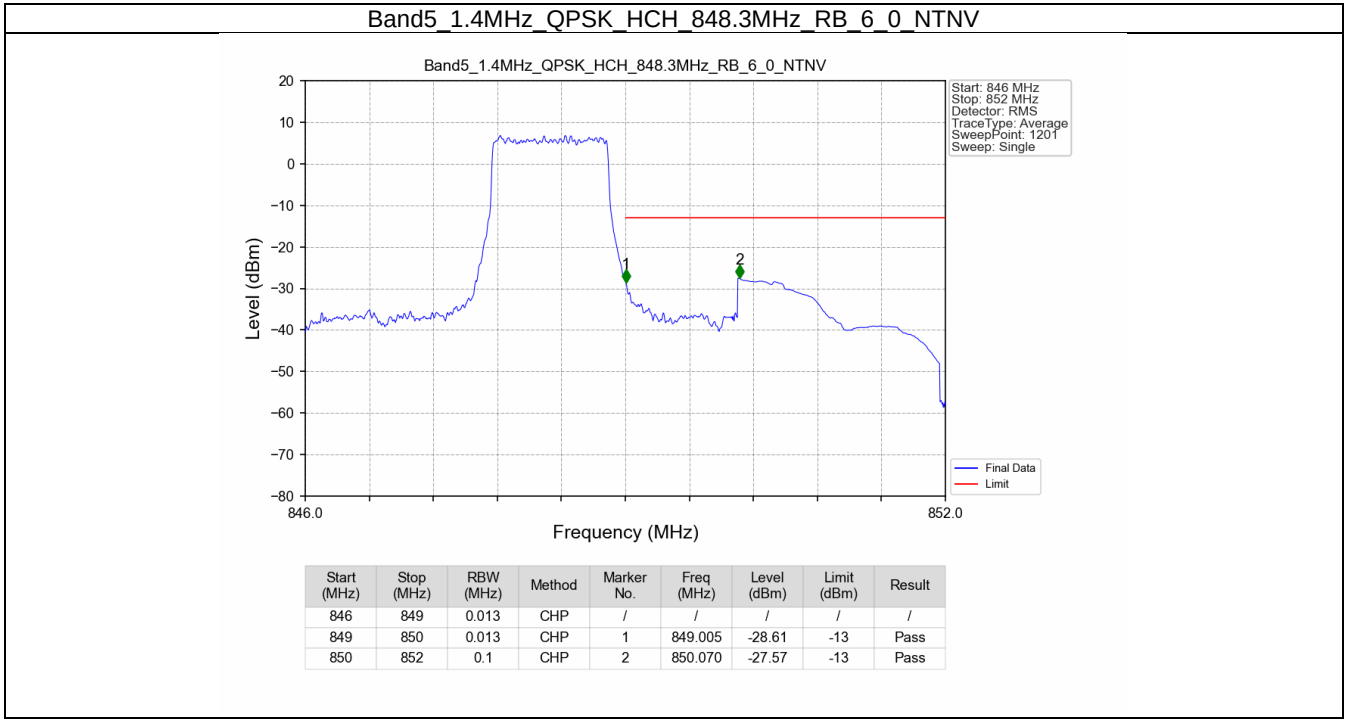
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-28.50	-13	Pass
823	824	0.013	CHP	2	823.995	-28.14	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



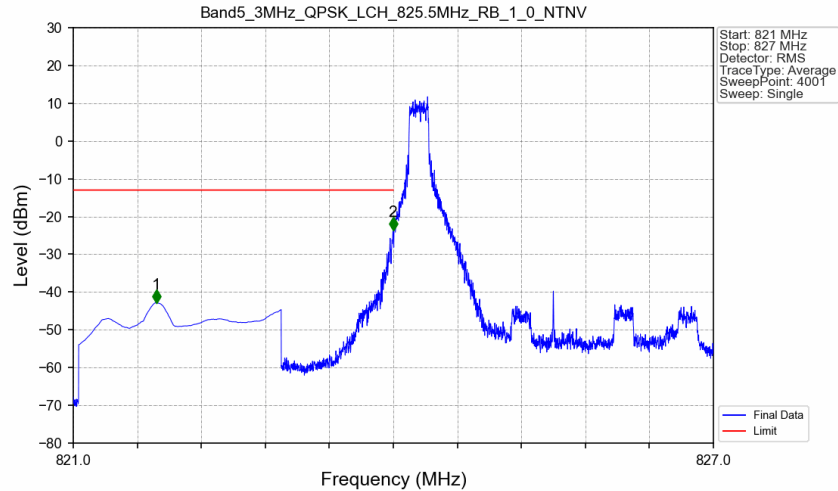


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-25.12	-13	Pass
850	852	0.1	CHP	2	850.052	-46.40	-13	Pass



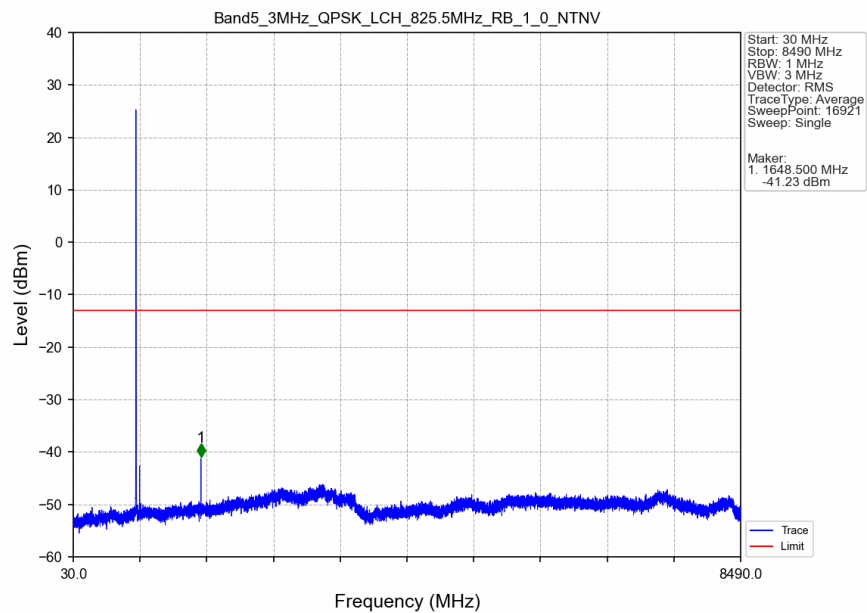
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

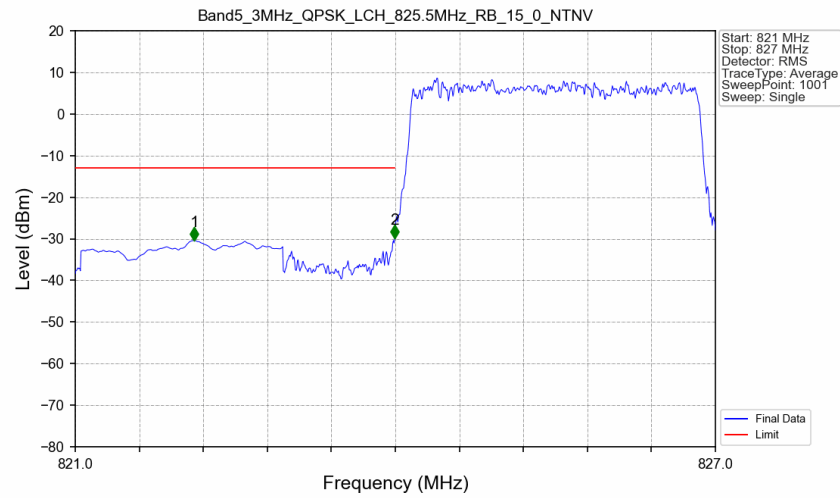


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.777	-42.86	-13	Pass
823	824	0.003	/	2	823.997	-23.60	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

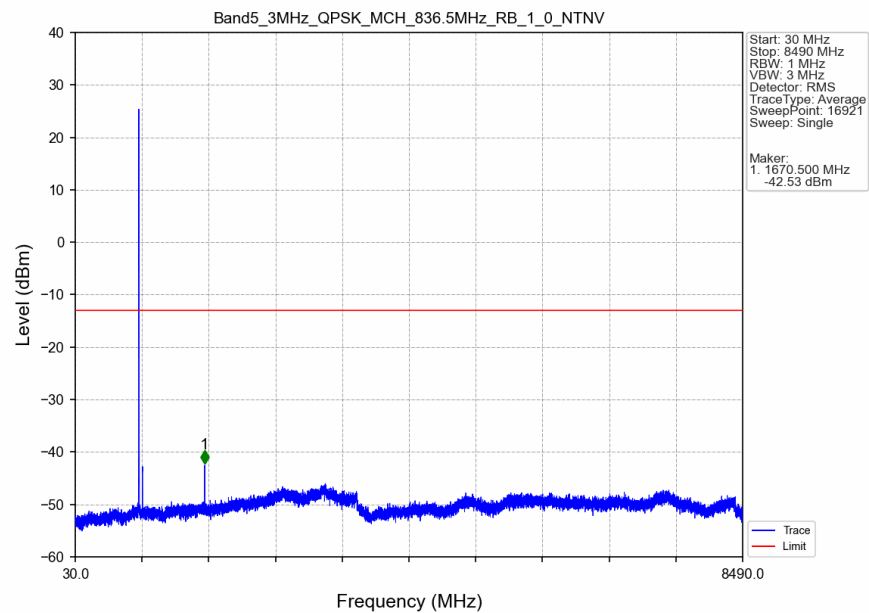


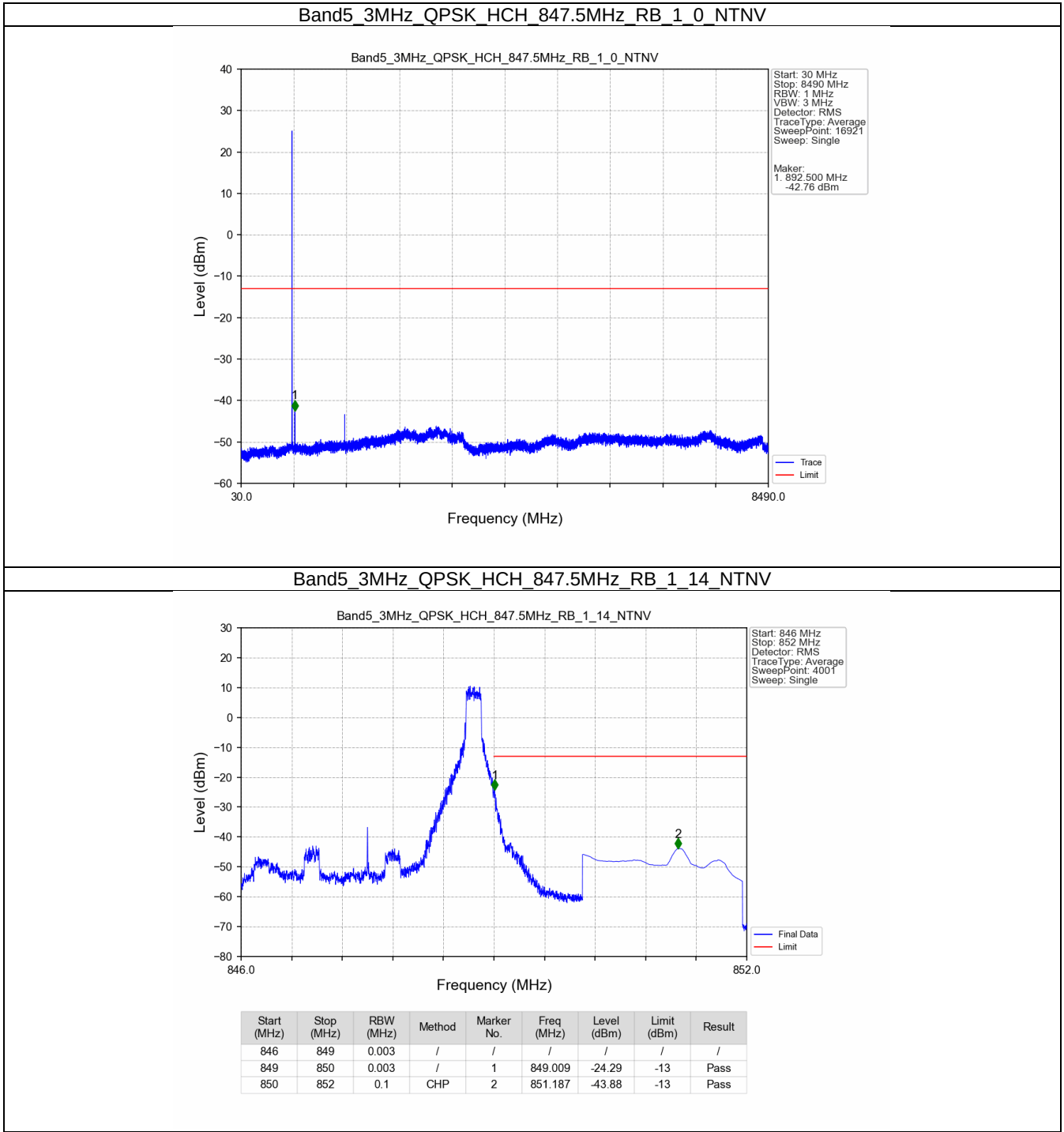
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



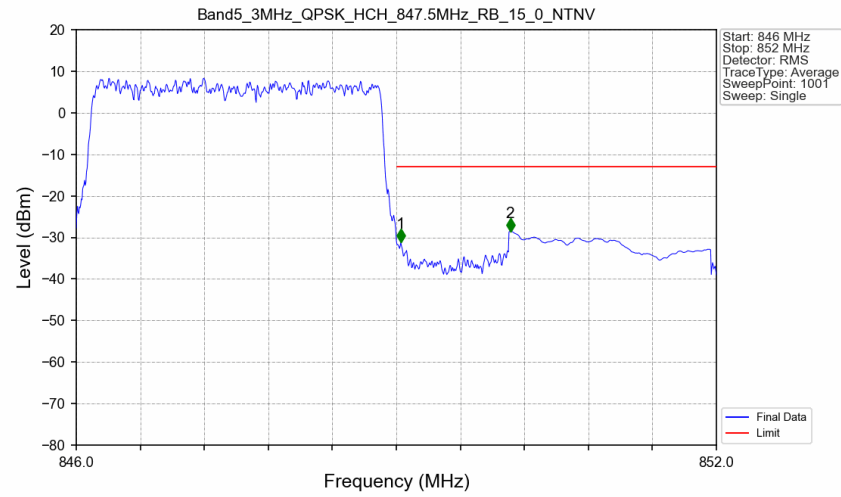
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.116	-30.40	-13	Pass
823	824	0.03	/	2	823.994	-29.92	-13	Pass
824	827	0.03	/	/	/	/	/	/

Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



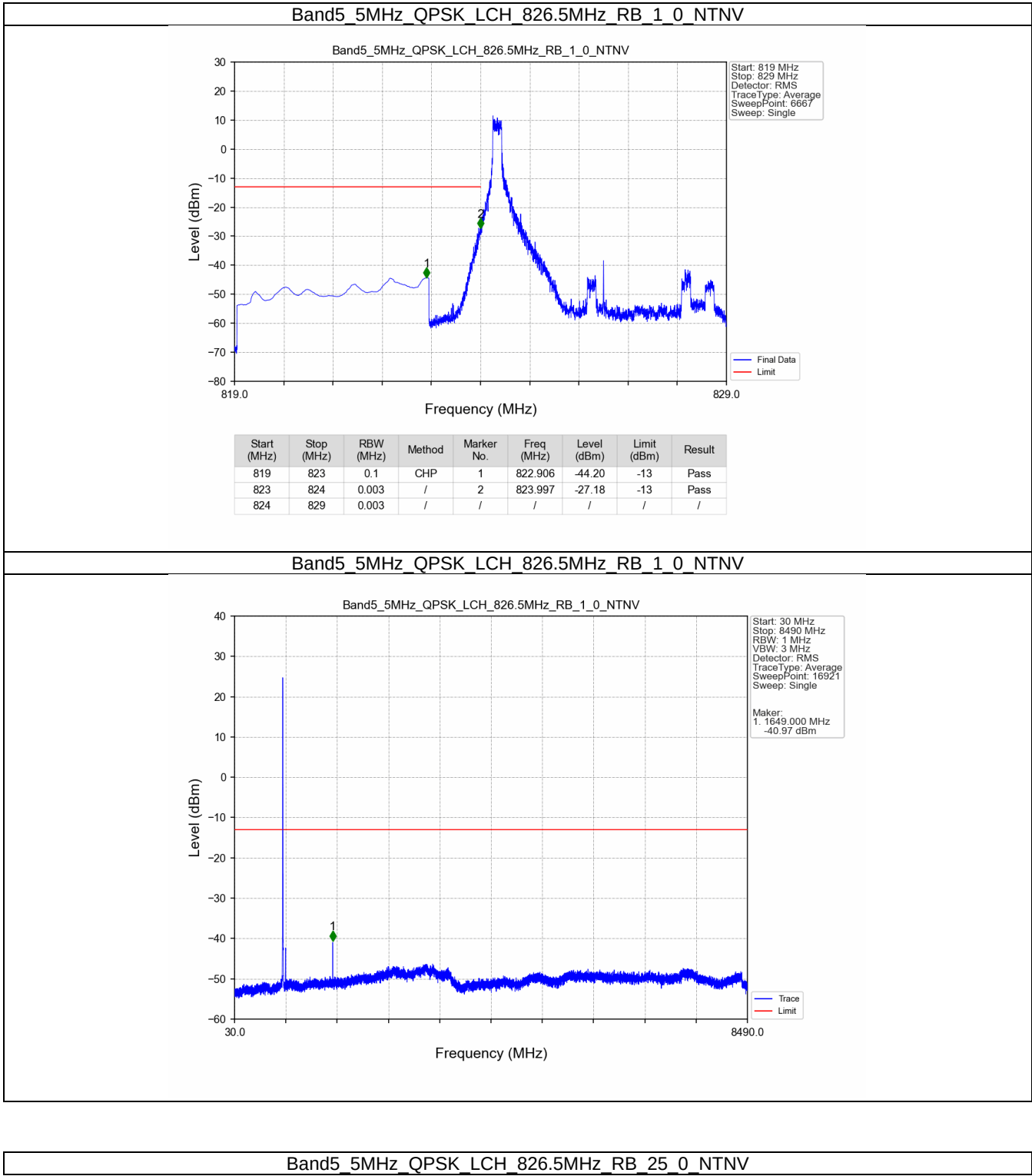


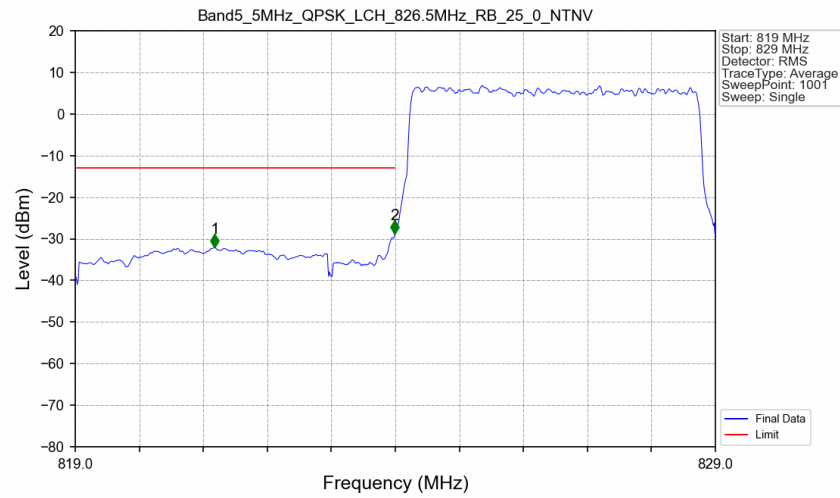
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.042	-31.15	-13	Pass
850	852	0.1	CHP	2	850.068	-28.53	-13	Pass

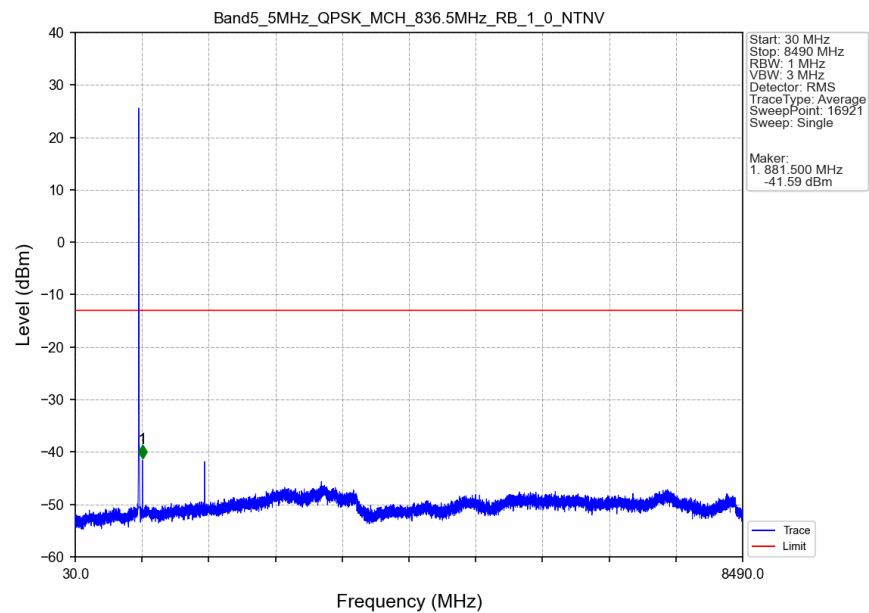
5.2.3 B5_5MHz

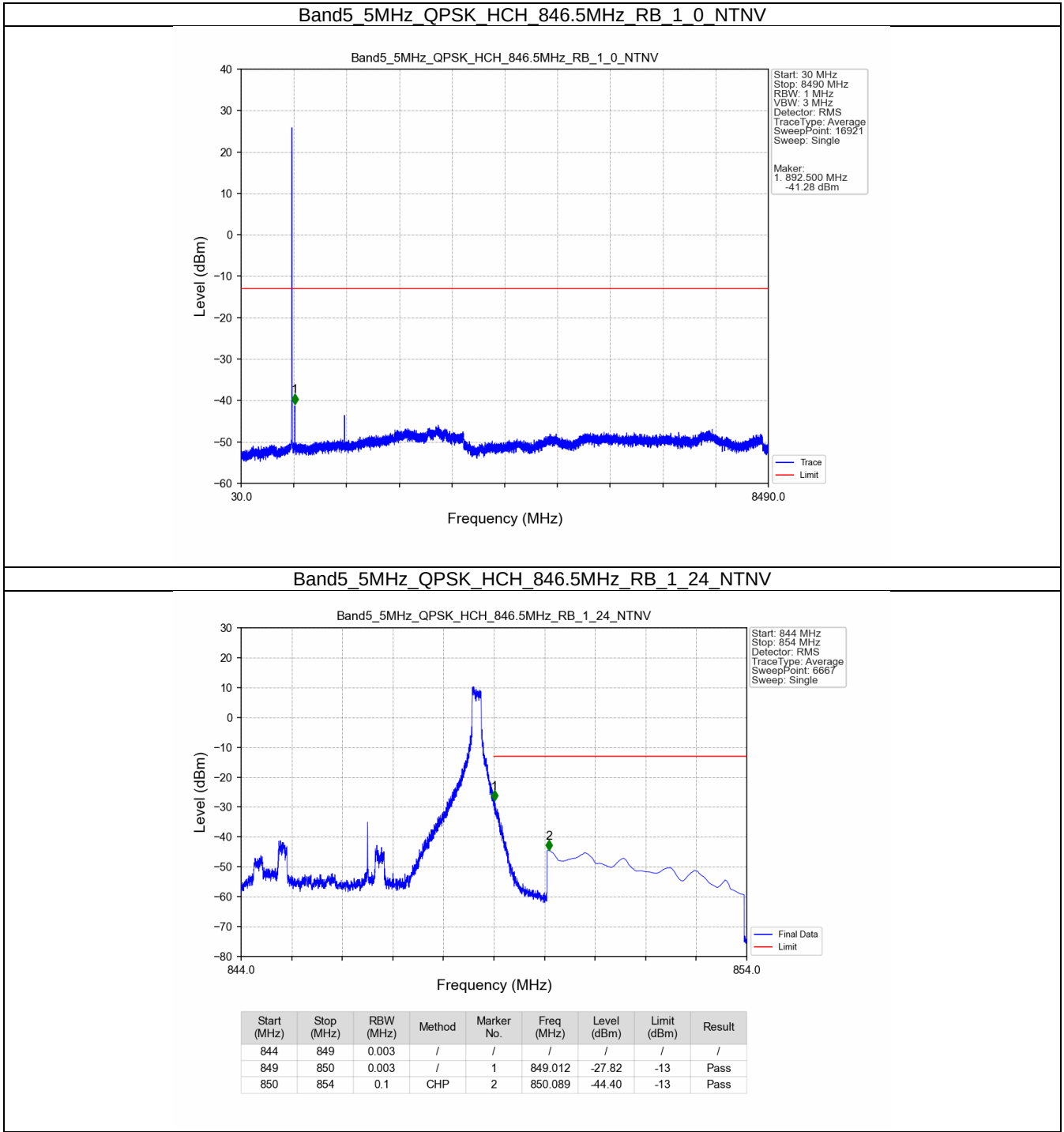




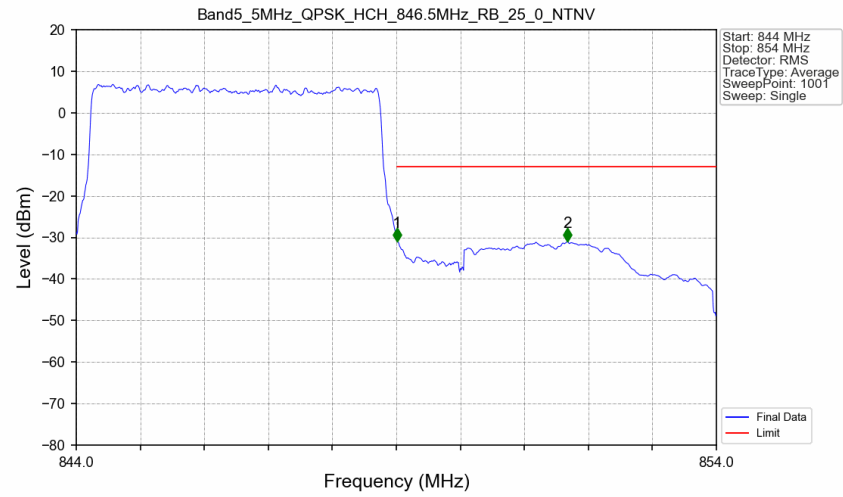
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	821.180	-31.98	-13	Pass
823	824	0.05	CHP	2	823.990	-28.80	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



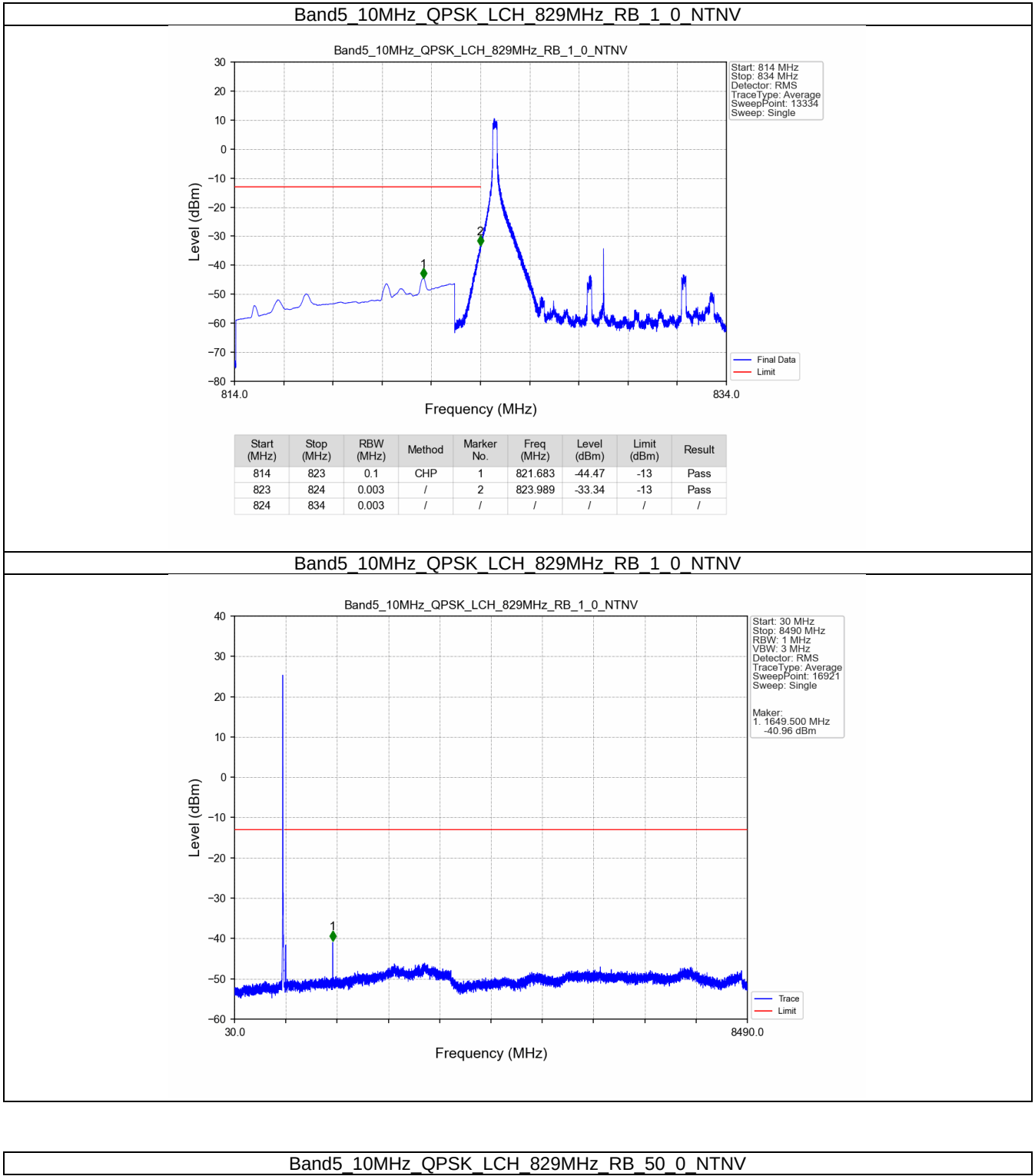


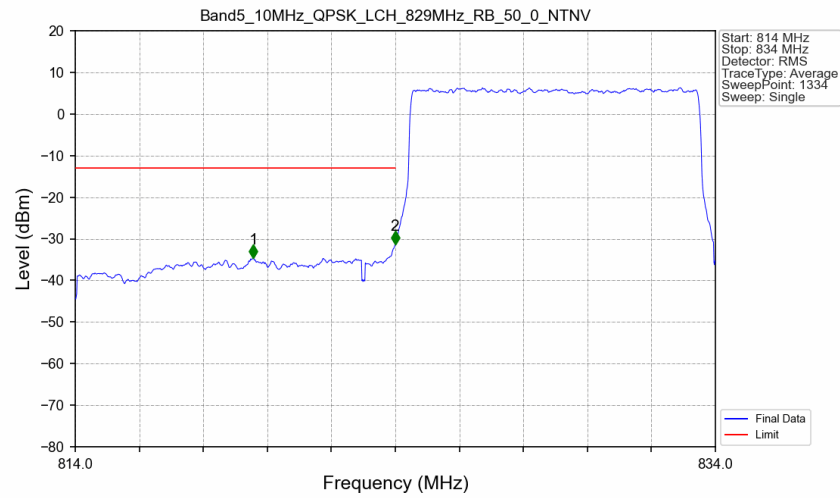
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-30.88	-13	Pass
850	854	0.1	CHP	2	851.670	-31.03	-13	Pass

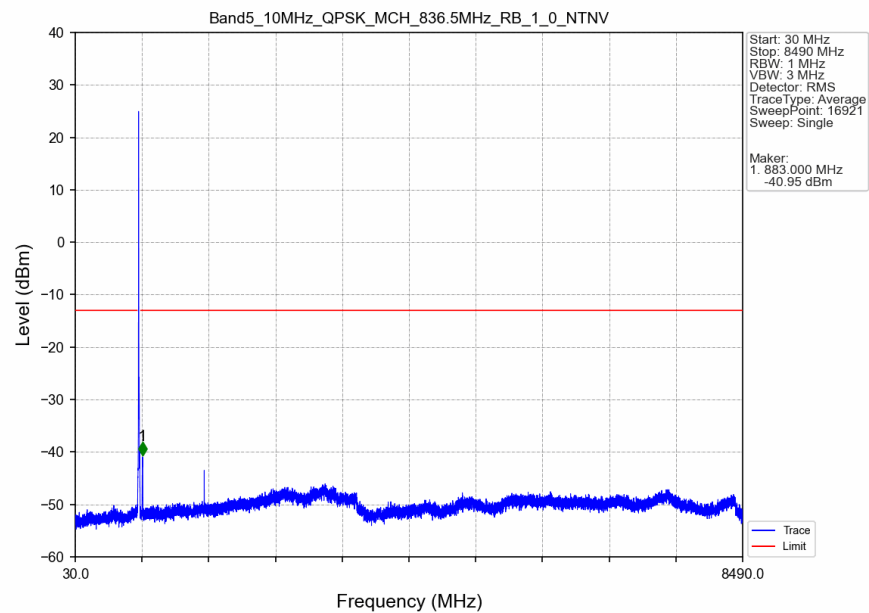
5.2.4 B5_10MHz

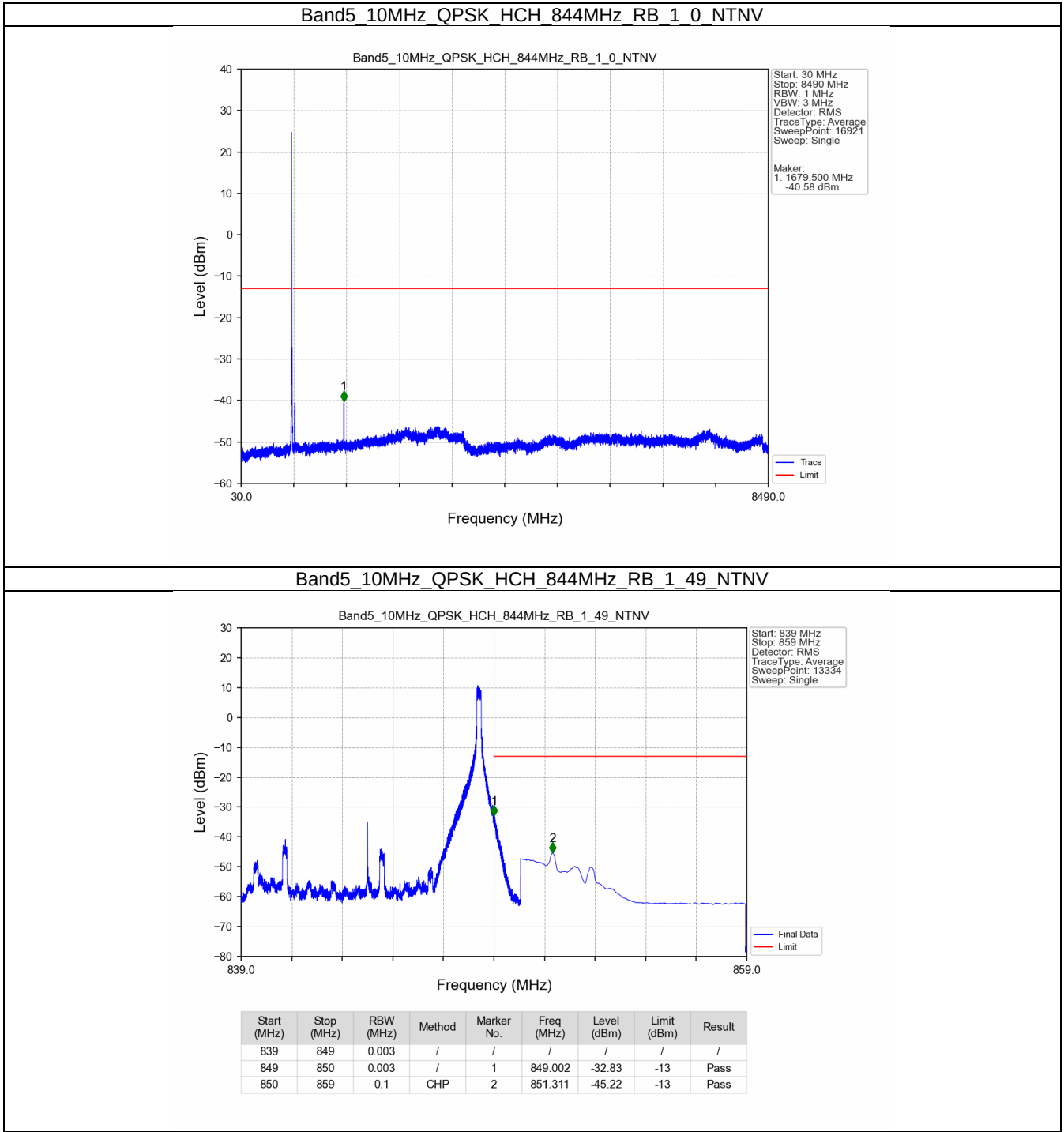




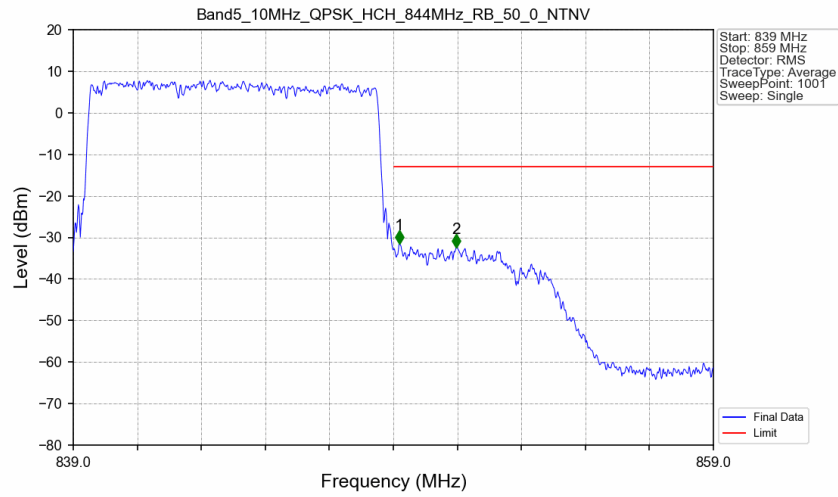
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	819.566	-34.61	-13	Pass
823	824	0.099	CHP	2	823.992	-31.34	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV





Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.180	-31.44	-13	Pass
850	859	0.1	/	2	850.960	-32.39	-13	Pass