

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.94	-2.40	19.39	<=38.45	Pass
			2	23.86	-2.40	19.31	<=38.45	Pass
			5	23.82	-2.40	19.27	<=38.45	Pass
		3	0	23.92	-2.40	19.37	<=38.45	Pass
			2	23.88	-2.40	19.33	<=38.45	Pass
			3	23.89	-2.40	19.34	<=38.45	Pass
		6	0	22.85	-2.40	18.30	<=38.45	Pass
	836.5	1	0	23.91	-2.40	19.36	<=38.45	Pass
			2	23.80	-2.40	19.25	<=38.45	Pass
			5	23.35	-2.40	18.80	<=38.45	Pass
		3	0	23.78	-2.40	19.23	<=38.45	Pass
			2	23.33	-2.40	18.78	<=38.45	Pass
			3	23.63	-2.40	19.08	<=38.45	Pass
		6	0	22.72	-2.40	18.17	<=38.45	Pass
	848.3	1	0	23.86	-2.40	19.31	<=38.45	Pass
			2	23.70	-2.40	19.15	<=38.45	Pass
			5	23.69	-2.40	19.14	<=38.45	Pass
		3	0	23.66	-2.40	19.11	<=38.45	Pass
			2	23.64	-2.40	19.09	<=38.45	Pass
			3	23.73	-2.40	19.18	<=38.45	Pass
		6	0	22.77	-2.40	18.22	<=38.45	Pass
16QAM	824.7	1	0	22.98	-2.40	18.43	<=38.45	Pass
			2	22.99	-2.40	18.44	<=38.45	Pass
			5	22.58	-2.40	18.03	<=38.45	Pass
		3	0	22.88	-2.40	18.33	<=38.45	Pass
			2	22.80	-2.40	18.25	<=38.45	Pass
			3	22.85	-2.40	18.30	<=38.45	Pass
		6	0	21.96	-2.40	17.41	<=38.45	Pass
	836.5	1	0	22.74	-2.40	18.19	<=38.45	Pass
			2	22.73	-2.40	18.18	<=38.45	Pass
			5	22.20	-2.40	17.65	<=38.45	Pass
		3	0	22.66	-2.40	18.11	<=38.45	Pass
			2	22.62	-2.40	18.07	<=38.45	Pass
			3	22.79	-2.40	18.24	<=38.45	Pass
		6	0	21.85	-2.40	17.30	<=38.45	Pass
	848.3	1	0	22.88	-2.40	18.33	<=38.45	Pass
			2	22.87	-2.40	18.32	<=38.45	Pass
			5	23.11	-2.40	18.56	<=38.45	Pass
		3	0	22.41	-2.40	17.86	<=38.45	Pass
			2	22.61	-2.40	18.06	<=38.45	Pass
			3	22.63	-2.40	18.08	<=38.45	Pass
		6	0	21.87	-2.40	17.32	<=38.45	Pass
64QAM	824.7	1	0	22.06	-2.40	17.51	<=38.45	Pass
			2	21.74	-2.40	17.19	<=38.45	Pass
			5	21.53	-2.40	16.98	<=38.45	Pass
		3	0	22.02	-2.40	17.47	<=38.45	Pass
			2	21.89	-2.40	17.34	<=38.45	Pass
			3	21.93	-2.40	17.38	<=38.45	Pass
		6	0	20.78	-2.40	16.23	<=38.45	Pass

	836.5	1	0	21.92	-2.40	17.37	<=38.45	Pass
			2	21.48	-2.40	16.93	<=38.45	Pass
			5	21.51	-2.40	16.96	<=38.45	Pass
		3	0	21.92	-2.40	17.37	<=38.45	Pass
			2	21.85	-2.40	17.30	<=38.45	Pass
			3	21.89	-2.40	17.34	<=38.45	Pass
		6	0	20.77	-2.40	16.22	<=38.45	Pass
	848.3	1	0	21.99	-2.40	17.44	<=38.45	Pass
			2	21.55	-2.40	17.00	<=38.45	Pass
			5	21.93	-2.40	17.38	<=38.45	Pass
		3	0	21.83	-2.40	17.28	<=38.45	Pass
			2	21.86	-2.40	17.31	<=38.45	Pass
			3	21.80	-2.40	17.25	<=38.45	Pass
		6	0	20.56	-2.40	16.01	<=38.45	Pass
256QAM	824.7	1	0	19.08	-2.40	14.53	<=38.45	Pass
			2	18.96	-2.40	14.41	<=38.45	Pass
			5	19.14	-2.40	14.59	<=38.45	Pass
		3	0	19.08	-2.40	14.53	<=38.45	Pass
			2	19.05	-2.40	14.50	<=38.45	Pass
			3	19.05	-2.40	14.50	<=38.45	Pass
		6	0	18.97	-2.40	14.42	<=38.45	Pass
	836.5	1	0	18.90	-2.40	14.35	<=38.45	Pass
			2	19.00	-2.40	14.45	<=38.45	Pass
			5	18.79	-2.40	14.24	<=38.45	Pass
		3	0	19.02	-2.40	14.47	<=38.45	Pass
			2	18.96	-2.40	14.41	<=38.45	Pass
			3	19.00	-2.40	14.45	<=38.45	Pass
		6	0	18.90	-2.40	14.35	<=38.45	Pass
	848.3	1	0	19.03	-2.40	14.48	<=38.45	Pass
			2	19.01	-2.40	14.46	<=38.45	Pass
			5	18.97	-2.40	14.42	<=38.45	Pass
		3	0	18.98	-2.40	14.43	<=38.45	Pass
			2	18.96	-2.40	14.41	<=38.45	Pass
			3	19.01	-2.40	14.46	<=38.45	Pass
		6	0	18.84	-2.40	14.29	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.92	-2.40	19.37	<=38.45	Pass
			7	23.92	-2.40	19.37	<=38.45	Pass
			14	23.83	-2.40	19.28	<=38.45	Pass
		8	0	22.92	-2.40	18.37	<=38.45	Pass
			4	22.85	-2.40	18.30	<=38.45	Pass
			7	22.89	-2.40	18.34	<=38.45	Pass
		15	0	22.92	-2.40	18.37	<=38.45	Pass
	836.5	1	0	23.79	-2.40	19.24	<=38.45	Pass
			7	23.49	-2.40	18.94	<=38.45	Pass
			14	23.84	-2.40	19.29	<=38.45	Pass
		8	0	22.85	-2.40	18.30	<=38.45	Pass
			4	22.81	-2.40	18.26	<=38.45	Pass
			7	22.81	-2.40	18.26	<=38.45	Pass
		15	0	22.84	-2.40	18.29	<=38.45	Pass
	847.5	1	0	23.81	-2.40	19.26	<=38.45	Pass

		8	7	23.75	-2.40	19.20	<=38.45	Pass
			14	23.77	-2.40	19.22	<=38.45	Pass
			0	22.83	-2.40	18.28	<=38.45	Pass
			4	22.80	-2.40	18.25	<=38.45	Pass
			7	22.80	-2.40	18.25	<=38.45	Pass
		15	0	22.83	-2.40	18.28	<=38.45	Pass
16QAM	825.5	1	0	22.88	-2.40	18.33	<=38.45	Pass
			7	23.02	-2.40	18.47	<=38.45	Pass
			14	23.06	-2.40	18.51	<=38.45	Pass
		8	0	22.00	-2.40	17.45	<=38.45	Pass
			4	21.95	-2.40	17.40	<=38.45	Pass
			7	21.89	-2.40	17.34	<=38.45	Pass
		15	0	21.96	-2.40	17.41	<=38.45	Pass
	836.5	1	0	23.00	-2.40	18.45	<=38.45	Pass
			7	22.60	-2.40	18.05	<=38.45	Pass
			14	23.04	-2.40	18.49	<=38.45	Pass
		8	0	21.93	-2.40	17.38	<=38.45	Pass
			4	21.79	-2.40	17.24	<=38.45	Pass
			7	21.85	-2.40	17.30	<=38.45	Pass
		15	0	21.88	-2.40	17.33	<=38.45	Pass
	847.5	1	0	22.27	-2.40	17.72	<=38.45	Pass
			7	22.98	-2.40	18.43	<=38.45	Pass
			14	22.93	-2.40	18.38	<=38.45	Pass
		8	0	21.89	-2.40	17.34	<=38.45	Pass
			4	21.80	-2.40	17.25	<=38.45	Pass
			7	21.79	-2.40	17.24	<=38.45	Pass
		15	0	21.81	-2.40	17.26	<=38.45	Pass
64QAM	825.5	1	0	21.97	-2.40	17.42	<=38.45	Pass
			7	21.93	-2.40	17.38	<=38.45	Pass
			14	21.77	-2.40	17.22	<=38.45	Pass
		8	0	20.98	-2.40	16.43	<=38.45	Pass
			4	20.91	-2.40	16.36	<=38.45	Pass
			7	20.89	-2.40	16.34	<=38.45	Pass
		15	0	20.87	-2.40	16.32	<=38.45	Pass
	836.5	1	0	22.13	-2.40	17.58	<=38.45	Pass
			7	21.66	-2.40	17.11	<=38.45	Pass
			14	21.74	-2.40	17.19	<=38.45	Pass
		8	0	20.90	-2.40	16.35	<=38.45	Pass
			4	20.77	-2.40	16.22	<=38.45	Pass
			7	20.85	-2.40	16.30	<=38.45	Pass
		15	0	20.82	-2.40	16.27	<=38.45	Pass
	847.5	1	0	21.90	-2.40	17.35	<=38.45	Pass
			7	21.65	-2.40	17.10	<=38.45	Pass
			14	22.04	-2.40	17.49	<=38.45	Pass
		8	0	20.89	-2.40	16.34	<=38.45	Pass
			4	20.86	-2.40	16.31	<=38.45	Pass
			7	20.81	-2.40	16.26	<=38.45	Pass
		15	0	20.79	-2.40	16.24	<=38.45	Pass
256QAM	825.5	1	0	19.13	-2.40	14.58	<=38.45	Pass
			7	18.90	-2.40	14.35	<=38.45	Pass
			14	19.03	-2.40	14.48	<=38.45	Pass
		8	0	19.06	-2.40	14.51	<=38.45	Pass
			4	19.03	-2.40	14.48	<=38.45	Pass
			7	18.98	-2.40	14.43	<=38.45	Pass
		15	0	18.99	-2.40	14.44	<=38.45	Pass
	836.5	1	0	18.97	-2.40	14.42	<=38.45	Pass
			7	19.09	-2.40	14.54	<=38.45	Pass
			14	19.01	-2.40	14.46	<=38.45	Pass
		8	0	18.98	-2.40	14.43	<=38.45	Pass
			0	18.98	-2.40	14.43	<=38.45	Pass

		15	4	18.99	-2.40	14.44	<=38.45	Pass
			7	18.97	-2.40	14.42	<=38.45	Pass
			0	18.93	-2.40	14.38	<=38.45	Pass
	847.5	1	0	19.04	-2.40	14.49	<=38.45	Pass
			7	18.95	-2.40	14.40	<=38.45	Pass
			14	18.84	-2.40	14.29	<=38.45	Pass
		8	0	19.05	-2.40	14.50	<=38.45	Pass
			4	18.93	-2.40	14.38	<=38.45	Pass
			7	18.97	-2.40	14.42	<=38.45	Pass
		15	0	18.92	-2.40	14.37	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.89	-2.40	19.34	<=38.45	Pass
			13	23.95	-2.40	19.40	<=38.45	Pass
			24	23.97	-2.40	19.42	<=38.45	Pass
		12	0	22.95	-2.40	18.40	<=38.45	Pass
			6	22.85	-2.40	18.30	<=38.45	Pass
			13	22.94	-2.40	18.39	<=38.45	Pass
		25	0	22.95	-2.40	18.40	<=38.45	Pass
	836.5	1	0	23.91	-2.40	19.36	<=38.45	Pass
			13	23.86	-2.40	19.31	<=38.45	Pass
			24	23.80	-2.40	19.25	<=38.45	Pass
		12	0	22.93	-2.40	18.38	<=38.45	Pass
			6	22.89	-2.40	18.34	<=38.45	Pass
			13	22.88	-2.40	18.33	<=38.45	Pass
		25	0	22.91	-2.40	18.36	<=38.45	Pass
	846.5	1	0	23.91	-2.40	19.36	<=38.45	Pass
			13	23.88	-2.40	19.33	<=38.45	Pass
			24	23.82	-2.40	19.27	<=38.45	Pass
		12	0	22.95	-2.40	18.40	<=38.45	Pass
			6	22.89	-2.40	18.34	<=38.45	Pass
			13	22.88	-2.40	18.33	<=38.45	Pass
		25	0	22.90	-2.40	18.35	<=38.45	Pass
16QAM	826.5	1	0	23.22	-2.40	18.67	<=38.45	Pass
			13	23.08	-2.40	18.53	<=38.45	Pass
			24	23.14	-2.40	18.59	<=38.45	Pass
		12	0	21.98	-2.40	17.43	<=38.45	Pass
			6	21.97	-2.40	17.42	<=38.45	Pass
			13	21.93	-2.40	17.38	<=38.45	Pass
		25	0	21.98	-2.40	17.43	<=38.45	Pass
	836.5	1	0	22.78	-2.40	18.23	<=38.45	Pass
			13	23.05	-2.40	18.50	<=38.45	Pass
			24	22.89	-2.40	18.34	<=38.45	Pass
		12	0	21.94	-2.40	17.39	<=38.45	Pass
			6	21.89	-2.40	17.34	<=38.45	Pass
			13	21.88	-2.40	17.33	<=38.45	Pass
		25	0	21.92	-2.40	17.37	<=38.45	Pass
	846.5	1	0	22.92	-2.40	18.37	<=38.45	Pass
			13	23.07	-2.40	18.52	<=38.45	Pass
			24	22.68	-2.40	18.13	<=38.45	Pass
		12	0	21.97	-2.40	17.42	<=38.45	Pass
			6	21.92	-2.40	17.37	<=38.45	Pass

			13	21.92	-2.40	17.37	<=38.45	Pass	
		25	0	21.94	-2.40	17.39	<=38.45	Pass	
64QAM	826.5	1	0	21.83	-2.40	17.28	<=38.45	Pass	
			13	22.10	-2.40	17.55	<=38.45	Pass	
			24	21.71	-2.40	17.16	<=38.45	Pass	
			0	21.06	-2.40	16.51	<=38.45	Pass	
		12	6	20.98	-2.40	16.43	<=38.45	Pass	
			13	20.98	-2.40	16.43	<=38.45	Pass	
			25	0	20.95	-2.40	16.40	<=38.45	Pass
		836.5	1	0	21.91	-2.40	17.36	<=38.45	Pass
				13	21.64	-2.40	17.09	<=38.45	Pass
	24			21.77	-2.40	17.22	<=38.45	Pass	
	0			20.99	-2.40	16.44	<=38.45	Pass	
	12		6	20.91	-2.40	16.36	<=38.45	Pass	
			13	20.90	-2.40	16.35	<=38.45	Pass	
			25	0	20.93	-2.40	16.38	<=38.45	Pass
	846.5	1	0	21.93	-2.40	17.38	<=38.45	Pass	
			13	21.95	-2.40	17.40	<=38.45	Pass	
			24	21.77	-2.40	17.22	<=38.45	Pass	
			0	20.95	-2.40	16.40	<=38.45	Pass	
		12	6	20.92	-2.40	16.37	<=38.45	Pass	
			13	20.87	-2.40	16.32	<=38.45	Pass	
			25	0	20.87	-2.40	16.32	<=38.45	Pass
	256QAM	826.5	1	0	19.25	-2.40	14.70	<=38.45	Pass
13				18.74	-2.40	14.19	<=38.45	Pass	
24				19.11	-2.40	14.56	<=38.45	Pass	
12			0	19.07	-2.40	14.52	<=38.45	Pass	
			6	19.04	-2.40	14.49	<=38.45	Pass	
			13	19.01	-2.40	14.46	<=38.45	Pass	
			25	0	19.05	-2.40	14.50	<=38.45	Pass
836.5		1	0	19.17	-2.40	14.62	<=38.45	Pass	
			13	19.01	-2.40	14.46	<=38.45	Pass	
			24	19.14	-2.40	14.59	<=38.45	Pass	
			0	19.05	-2.40	14.50	<=38.45	Pass	
		12	6	19.01	-2.40	14.46	<=38.45	Pass	
			13	18.98	-2.40	14.43	<=38.45	Pass	
			25	0	19.02	-2.40	14.47	<=38.45	Pass
846.5		1	0	19.04	-2.40	14.49	<=38.45	Pass	
			13	19.04	-2.40	14.49	<=38.45	Pass	
			24	19.05	-2.40	14.50	<=38.45	Pass	
			0	18.99	-2.40	14.44	<=38.45	Pass	
		12	6	18.99	-2.40	14.44	<=38.45	Pass	
			13	18.98	-2.40	14.43	<=38.45	Pass	
			25	0	19.05	-2.40	14.50	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.97	-2.40	19.42	<=38.45	Pass
			25	23.98	-2.40	19.43	<=38.45	Pass
			49	23.87	-2.40	19.32	<=38.45	Pass
		25	0	22.97	-2.40	18.42	<=38.45	Pass
			13	22.97	-2.40	18.42	<=38.45	Pass
			25	22.89	-2.40	18.34	<=38.45	Pass

		50	0	22.95	-2.40	18.40	<=38.45	Pass	
	836.5	1	0	23.92	-2.40	19.37	<=38.45	Pass	
			25	23.83	-2.40	19.28	<=38.45	Pass	
			49	23.93	-2.40	19.38	<=38.45	Pass	
			0	22.94	-2.40	18.39	<=38.45	Pass	
		25	13	22.94	-2.40	18.39	<=38.45	Pass	
			25	22.90	-2.40	18.35	<=38.45	Pass	
			50	0	22.91	-2.40	18.36	<=38.45	Pass
	844	1	0	23.88	-2.40	19.33	<=38.45	Pass	
			25	23.84	-2.40	19.29	<=38.45	Pass	
			49	23.79	-2.40	19.24	<=38.45	Pass	
		25	0	22.88	-2.40	18.33	<=38.45	Pass	
			13	22.79	-2.40	18.24	<=38.45	Pass	
			25	22.78	-2.40	18.23	<=38.45	Pass	
		50	0	22.89	-2.40	18.34	<=38.45	Pass	
	16QAM	829	1	0	23.16	-2.40	18.61	<=38.45	Pass
25				23.17	-2.40	18.62	<=38.45	Pass	
49				23.23	-2.40	18.68	<=38.45	Pass	
25			0	21.93	-2.40	17.38	<=38.45	Pass	
			13	21.88	-2.40	17.33	<=38.45	Pass	
			25	21.84	-2.40	17.29	<=38.45	Pass	
50			0	21.95	-2.40	17.40	<=38.45	Pass	
836.5		1	0	23.04	-2.40	18.49	<=38.45	Pass	
			25	22.99	-2.40	18.44	<=38.45	Pass	
			49	23.07	-2.40	18.52	<=38.45	Pass	
		25	0	21.93	-2.40	17.38	<=38.45	Pass	
			13	21.88	-2.40	17.33	<=38.45	Pass	
			25	21.82	-2.40	17.27	<=38.45	Pass	
		50	0	21.88	-2.40	17.33	<=38.45	Pass	
844		1	0	23.00	-2.40	18.45	<=38.45	Pass	
			25	23.01	-2.40	18.46	<=38.45	Pass	
			49	22.99	-2.40	18.44	<=38.45	Pass	
		25	0	21.90	-2.40	17.35	<=38.45	Pass	
			13	21.81	-2.40	17.26	<=38.45	Pass	
			25	21.77	-2.40	17.22	<=38.45	Pass	
		50	0	21.86	-2.40	17.31	<=38.45	Pass	
64QAM		829	1	0	22.20	-2.40	17.65	<=38.45	Pass
				25	22.25	-2.40	17.70	<=38.45	Pass
				49	21.86	-2.40	17.31	<=38.45	Pass
	25		0	20.87	-2.40	16.32	<=38.45	Pass	
			13	20.92	-2.40	16.37	<=38.45	Pass	
			25	20.88	-2.40	16.33	<=38.45	Pass	
	50		0	20.96	-2.40	16.41	<=38.45	Pass	
	836.5	1	0	22.07	-2.40	17.52	<=38.45	Pass	
			25	22.04	-2.40	17.49	<=38.45	Pass	
			49	22.02	-2.40	17.47	<=38.45	Pass	
		25	0	20.91	-2.40	16.36	<=38.45	Pass	
			13	20.86	-2.40	16.31	<=38.45	Pass	
			25	20.89	-2.40	16.34	<=38.45	Pass	
		50	0	20.91	-2.40	16.36	<=38.45	Pass	
	844	1	0	22.09	-2.40	17.54	<=38.45	Pass	
			25	22.01	-2.40	17.46	<=38.45	Pass	
			49	22.04	-2.40	17.49	<=38.45	Pass	
		25	0	20.88	-2.40	16.33	<=38.45	Pass	
			13	20.84	-2.40	16.29	<=38.45	Pass	
			25	20.81	-2.40	16.26	<=38.45	Pass	
		50	0	20.87	-2.40	16.32	<=38.45	Pass	
	256QAM	829	1	0	19.06	-2.40	14.51	<=38.45	Pass
				25	19.16	-2.40	14.61	<=38.45	Pass

			49	19.11	-2.40	14.56	<=38.45	Pass
		25	0	18.97	-2.40	14.42	<=38.45	Pass
			13	19.08	-2.40	14.53	<=38.45	Pass
			25	19.02	-2.40	14.47	<=38.45	Pass
		50	0	19.05	-2.40	14.50	<=38.45	Pass
	836.5	1	0	19.14	-2.40	14.59	<=38.45	Pass
			25	19.09	-2.40	14.54	<=38.45	Pass
			49	19.09	-2.40	14.54	<=38.45	Pass
		25	0	19.00	-2.40	14.45	<=38.45	Pass
			13	18.97	-2.40	14.42	<=38.45	Pass
			25	18.95	-2.40	14.40	<=38.45	Pass
		50	0	19.02	-2.40	14.47	<=38.45	Pass
		844	1	0	19.00	-2.40	14.45	<=38.45
	25			19.02	-2.40	14.47	<=38.45	Pass
	49			19.07	-2.40	14.52	<=38.45	Pass
	25		0	18.98	-2.40	14.43	<=38.45	Pass
			13	18.89	-2.40	14.34	<=38.45	Pass
			25	18.84	-2.40	14.29	<=38.45	Pass
	50		0	18.94	-2.40	14.39	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / Bandwidth: 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	-5.000	-0.0060	-2.5 to 2.5	Pass
					NV	-6.000	-0.0072	-2.5 to 2.5	Pass
					HV	-1.300	-0.0016	-2.5 to 2.5	Pass
				-30	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	NV	0.400	0.0005	-2.5 to 2.5	Pass
				-10	NV	-3.300	-0.0039	-2.5 to 2.5	Pass
				0	NV	-3.000	-0.0036	-2.5 to 2.5	Pass
				10	NV	-4.300	-0.0051	-2.5 to 2.5	Pass
				30	NV	-4.500	-0.0054	-2.5 to 2.5	Pass
				40	NV	-3.900	-0.0047	-2.5 to 2.5	Pass
				50	NV	-2.400	-0.0029	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

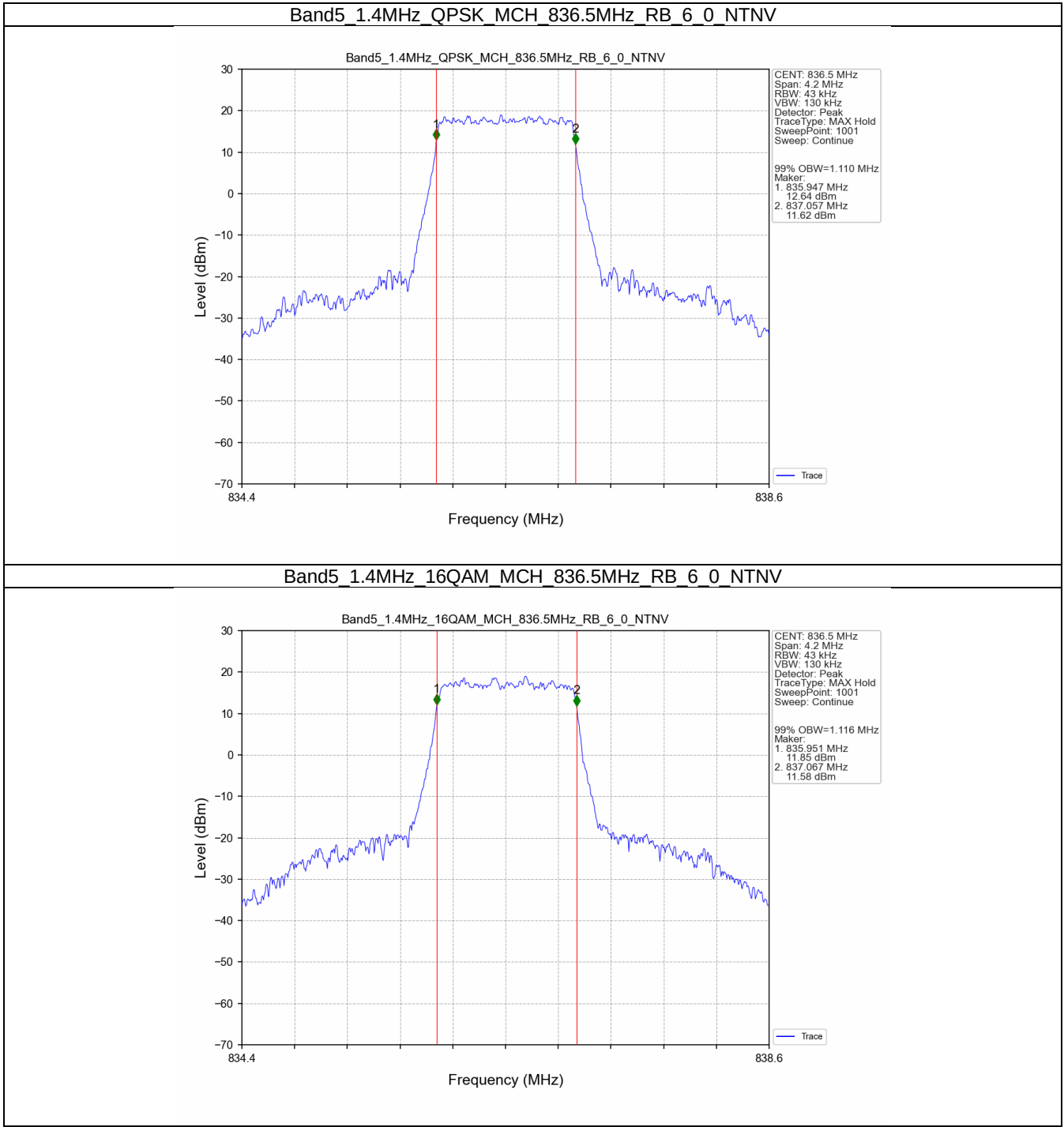
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.110	/	Pass
	16QAM	836.5	6	0	1.116	/	Pass
	64QAM	836.5	6	0	1.118	/	Pass
	256QAM	836.5	6	0	1.106	/	Pass
3	QPSK	836.5	15	0	2.727	/	Pass
	16QAM	836.5	15	0	2.723	/	Pass
	64QAM	836.5	15	0	2.728	/	Pass
	256QAM	836.5	15	0	2.738	/	Pass
5	QPSK	836.5	25	0	4.537	/	Pass
	16QAM	836.5	25	0	4.536	/	Pass
	64QAM	836.5	25	0	4.546	/	Pass
	256QAM	836.5	25	0	4.525	/	Pass
10	QPSK	836.5	50	0	9.066	/	Pass
	16QAM	836.5	50	0	9.025	/	Pass
	64QAM	836.5	50	0	9.063	/	Pass
	256QAM	836.5	50	0	9.020	/	Pass

3.1.2 Band5_XDB

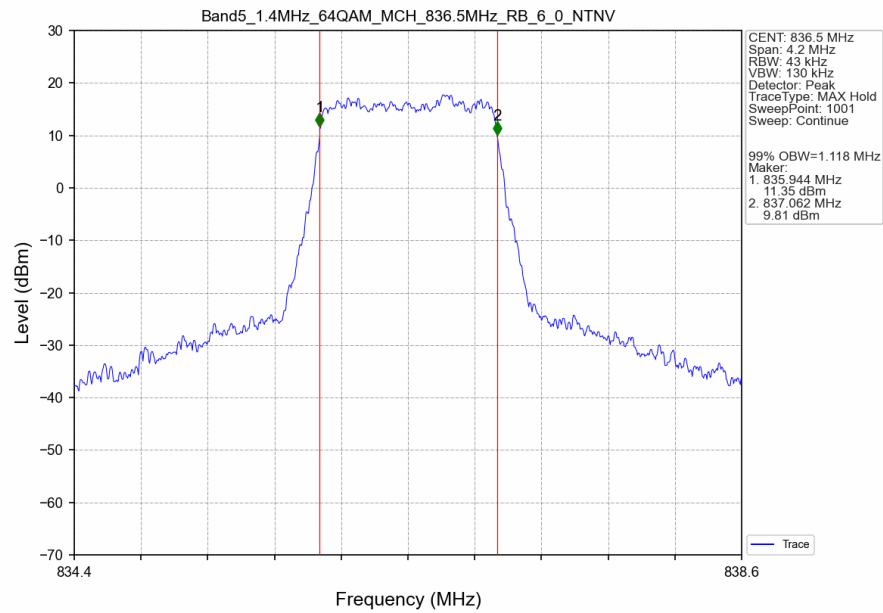
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.332	/	Pass
	16QAM	836.5	6	0	1.310	/	Pass
	64QAM	836.5	6	0	1.322	/	Pass
	256QAM	836.5	6	0	1.298	/	Pass
3	QPSK	836.5	15	0	3.004	/	Pass
	16QAM	836.5	15	0	3.012	/	Pass
	64QAM	836.5	15	0	3.015	/	Pass
	256QAM	836.5	15	0	3.021	/	Pass
5	QPSK	836.5	25	0	5.030	/	Pass
	16QAM	836.5	25	0	5.789	/	Pass
	64QAM	836.5	25	0	5.067	/	Pass
	256QAM	836.5	25	0	5.031	/	Pass
10	QPSK	836.5	50	0	10.011	/	Pass
	16QAM	836.5	50	0	9.898	/	Pass
	64QAM	836.5	50	0	9.930	/	Pass
	256QAM	836.5	50	0	9.895	/	Pass

3.2 Test Graph

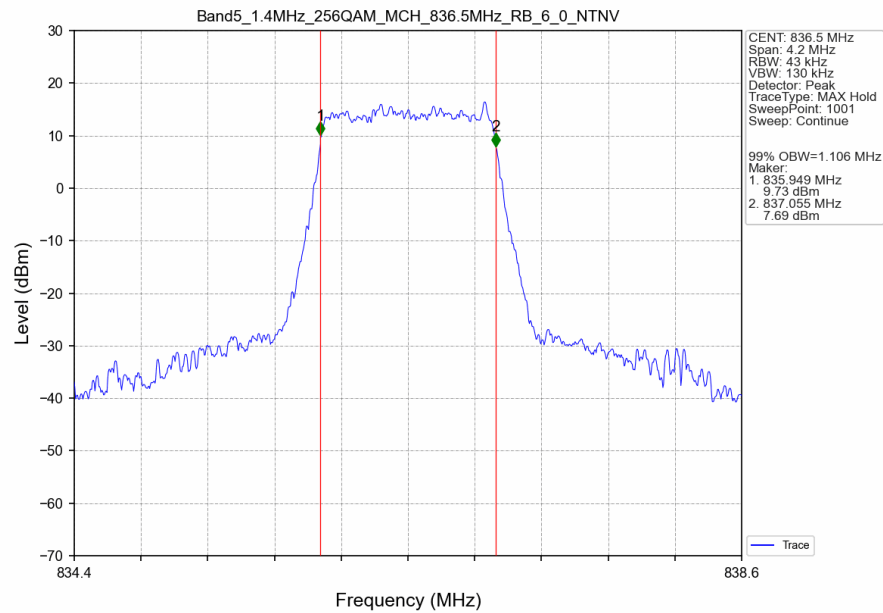
3.2.1 Band5_OBW



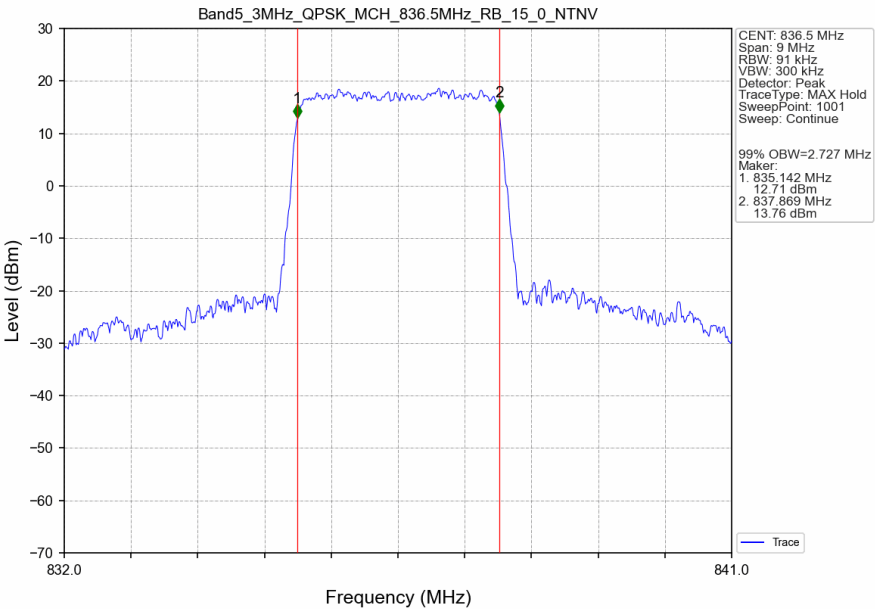
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTV



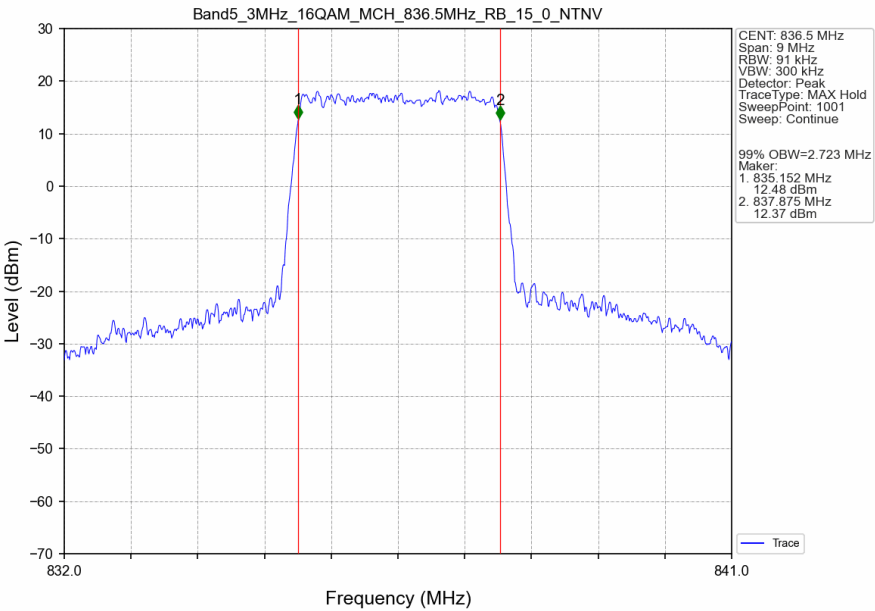
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTV



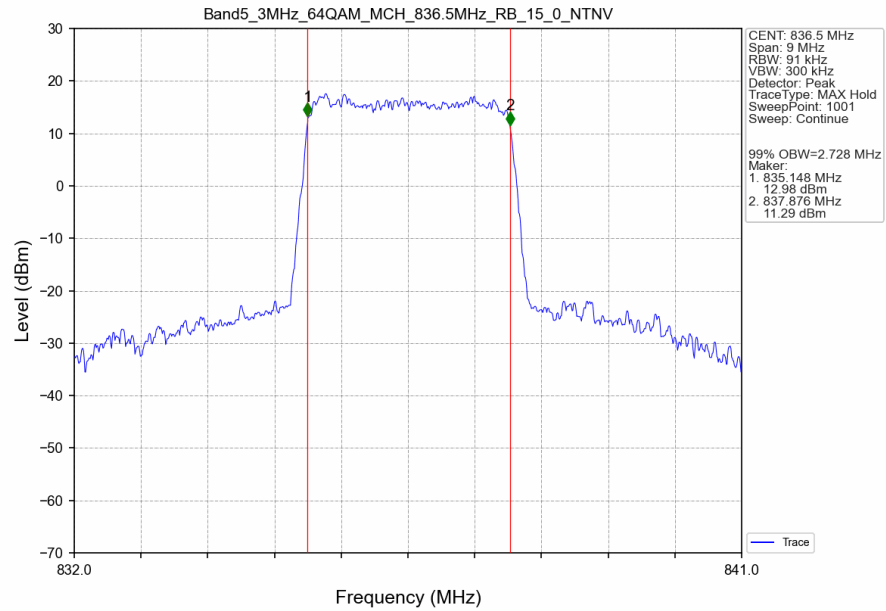
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



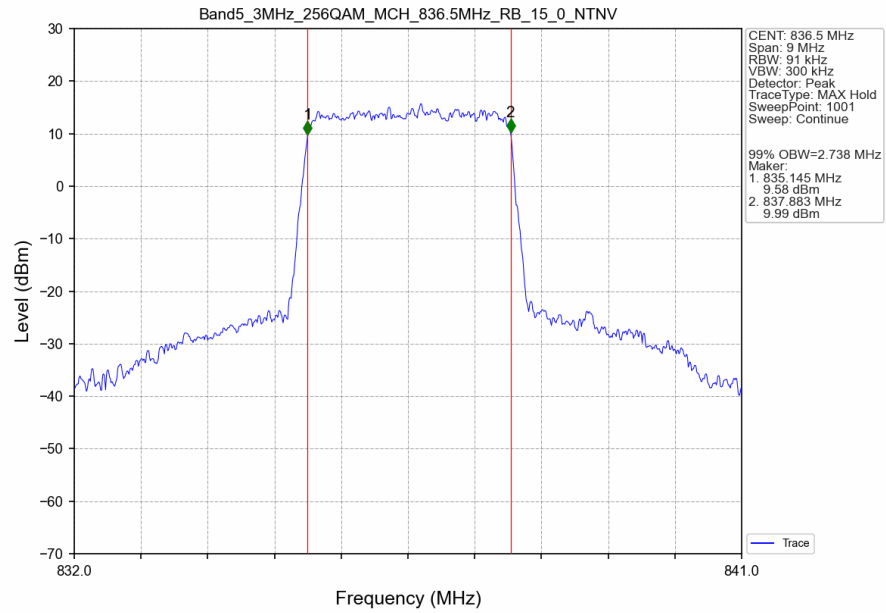
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



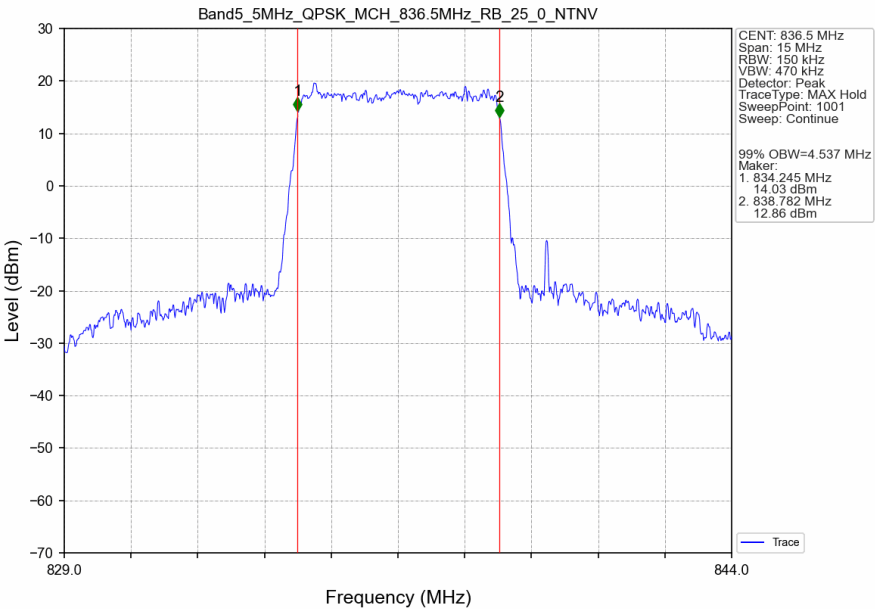
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



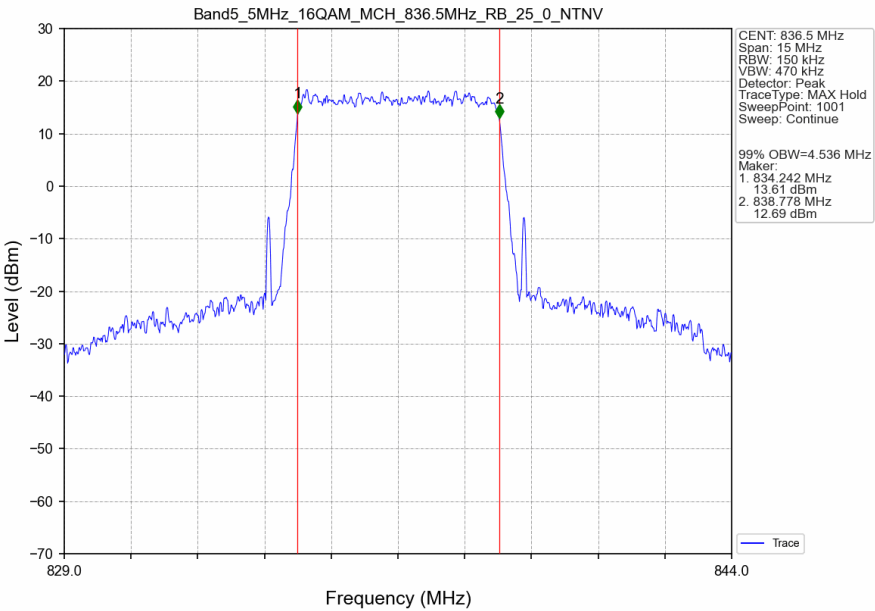
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



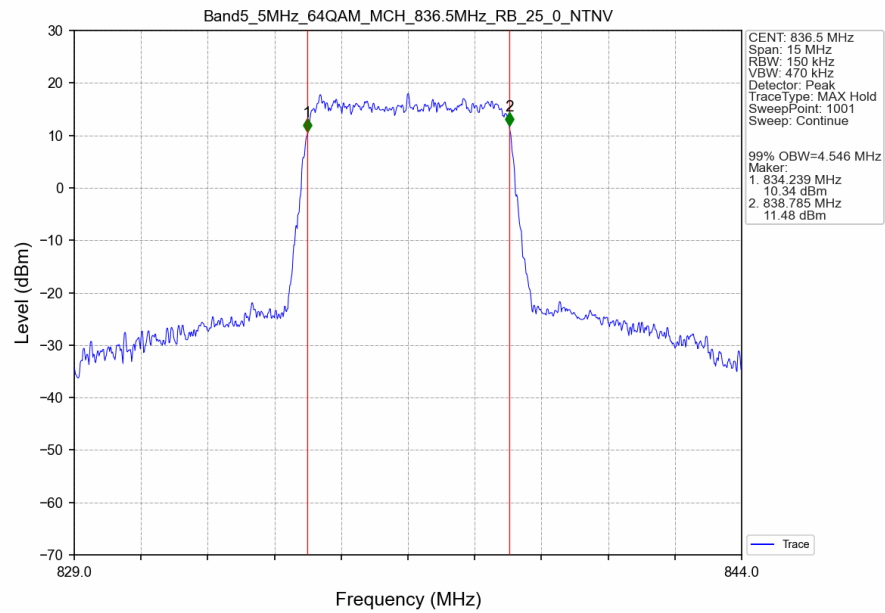
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



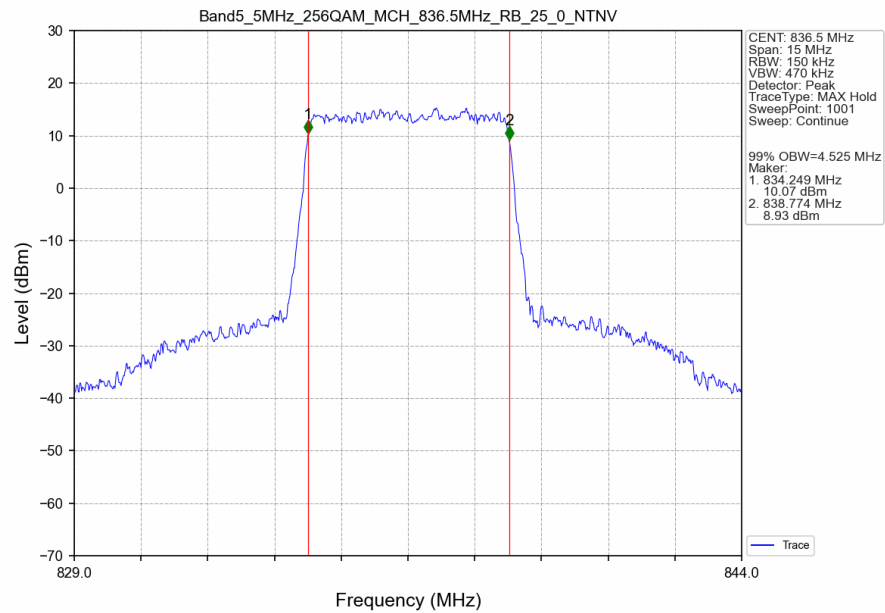
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



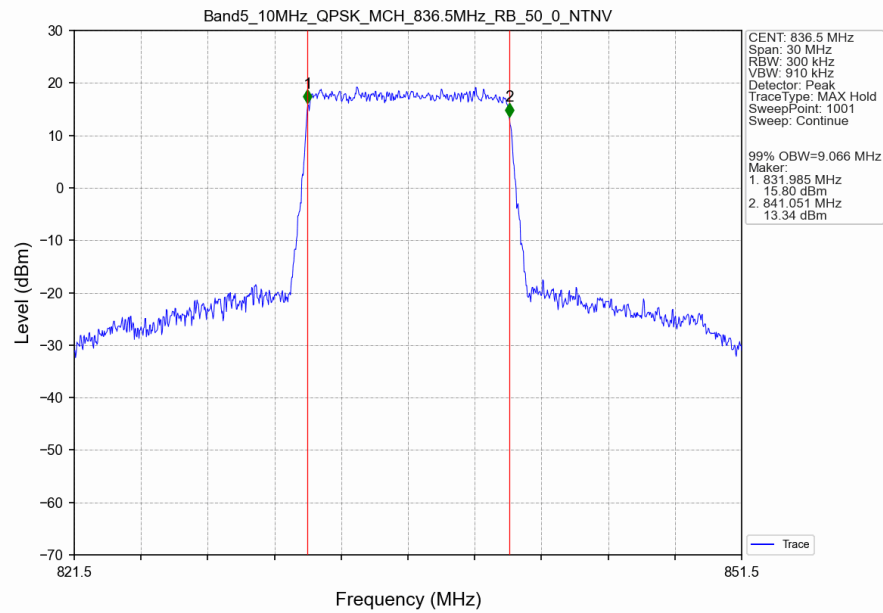
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



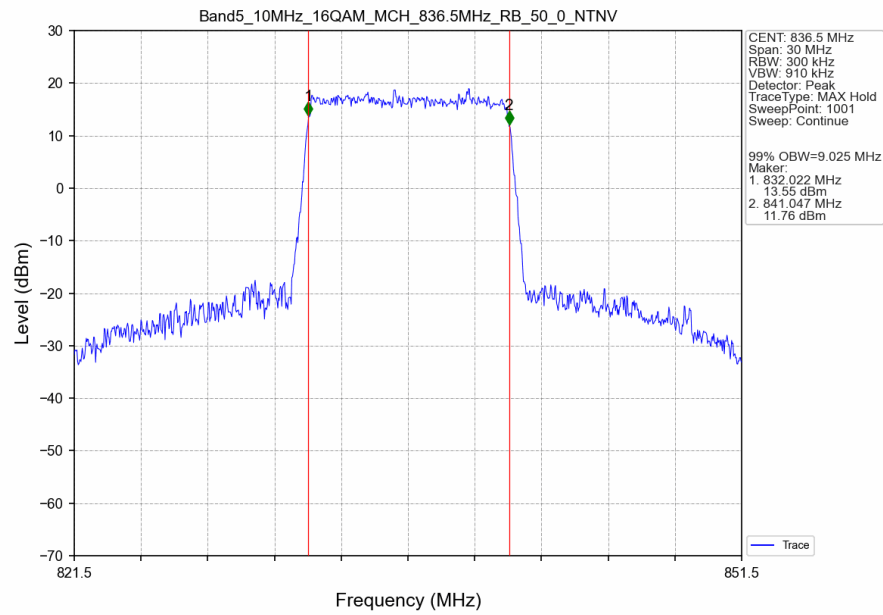
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



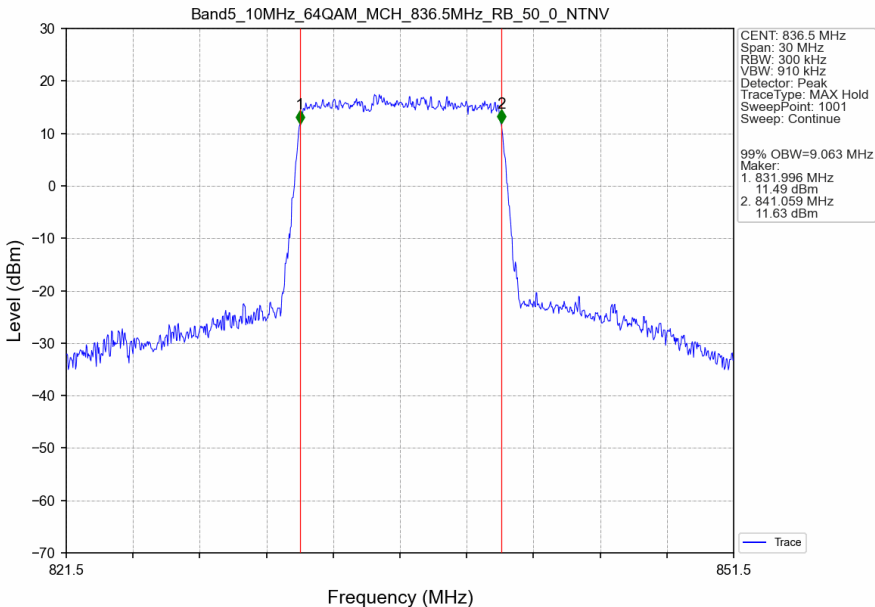
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



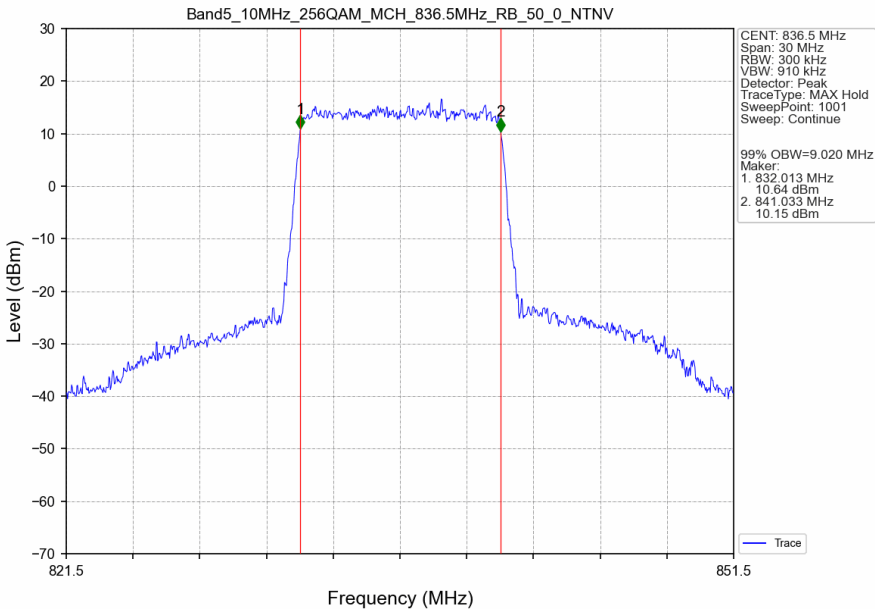
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



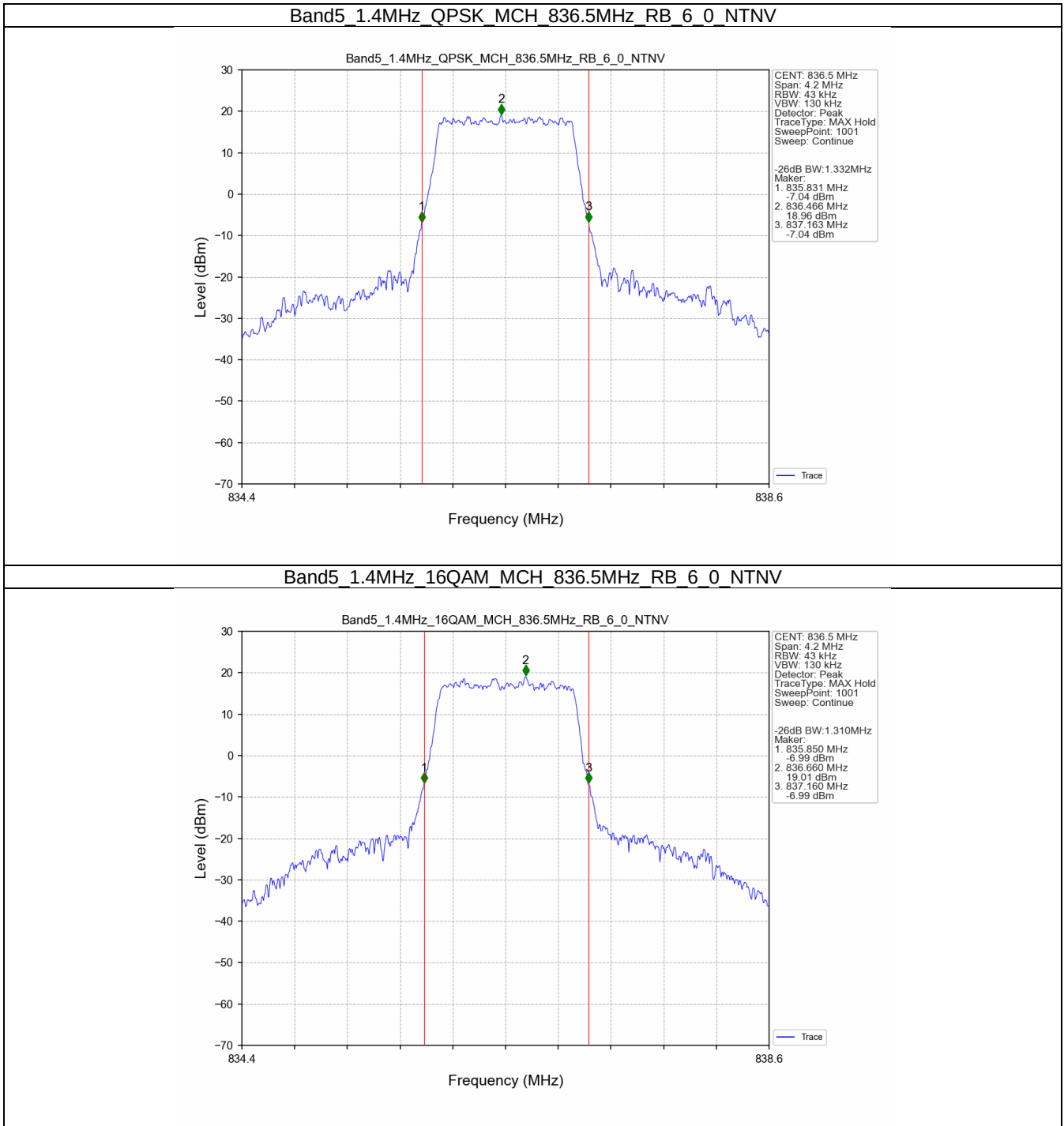
Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



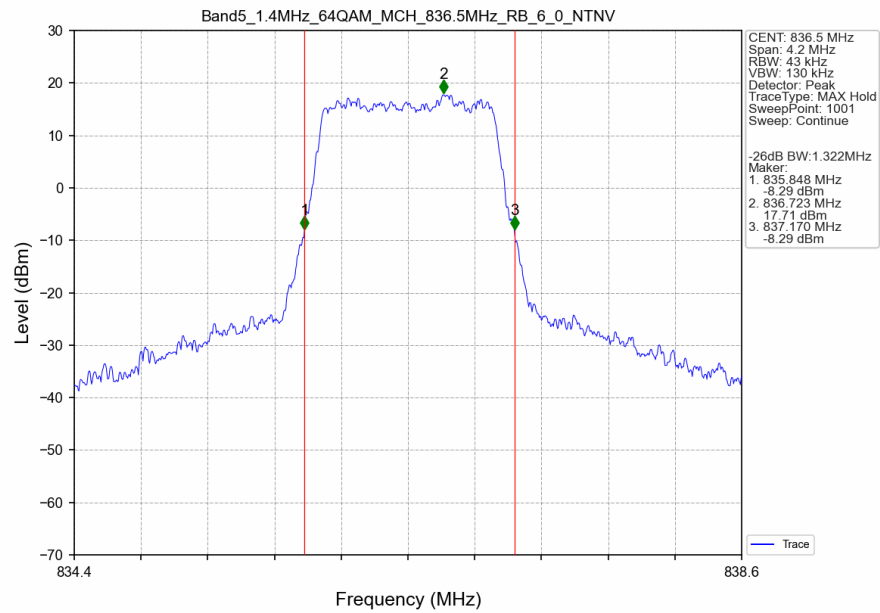
Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



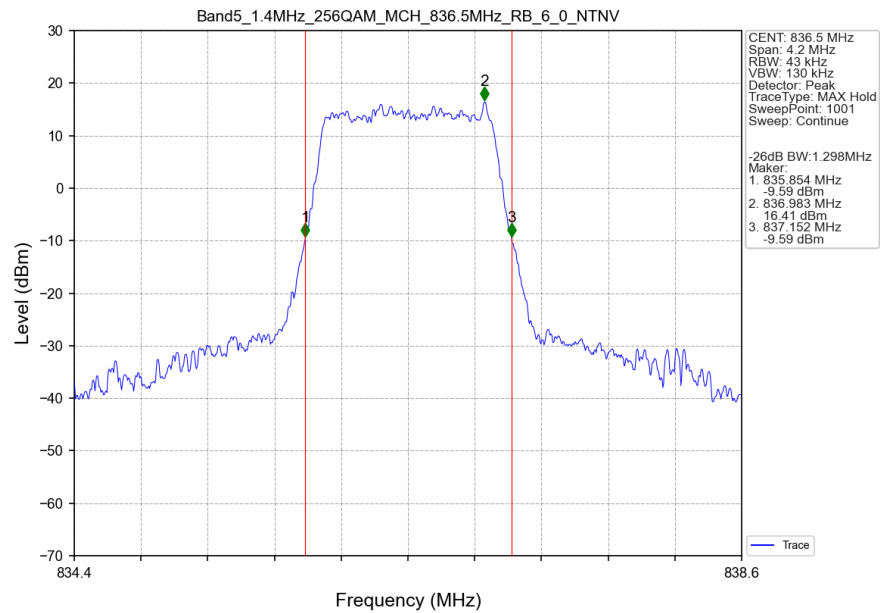
3.2.2 Band5_XDB



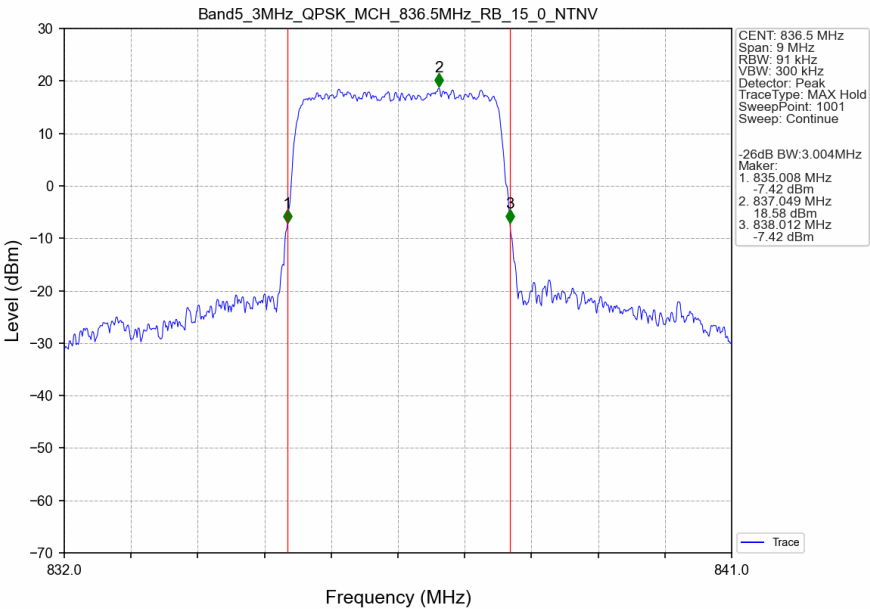
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTV



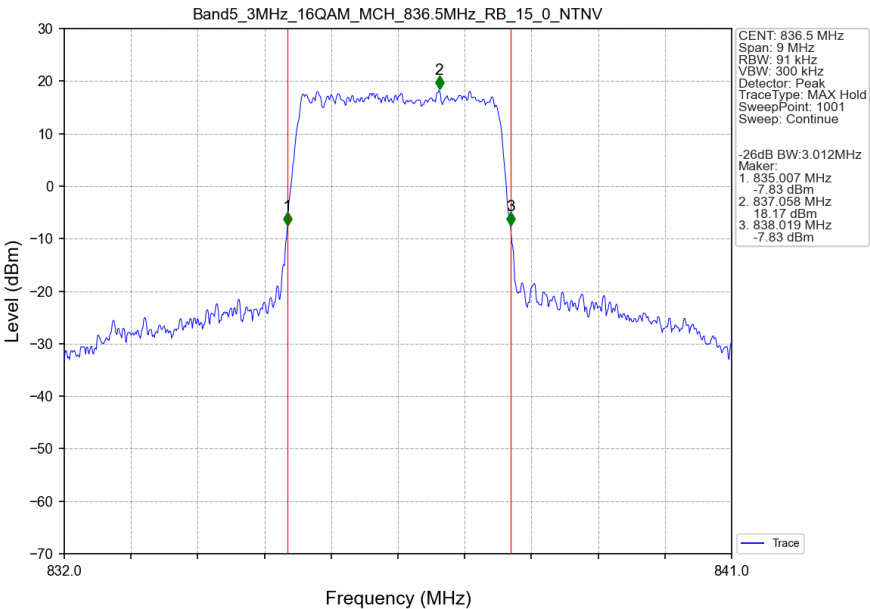
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTV



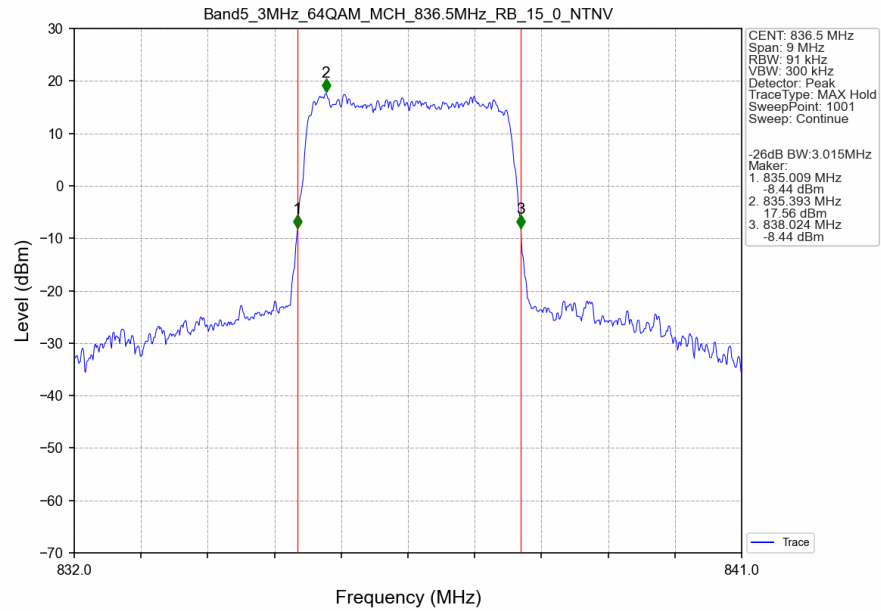
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



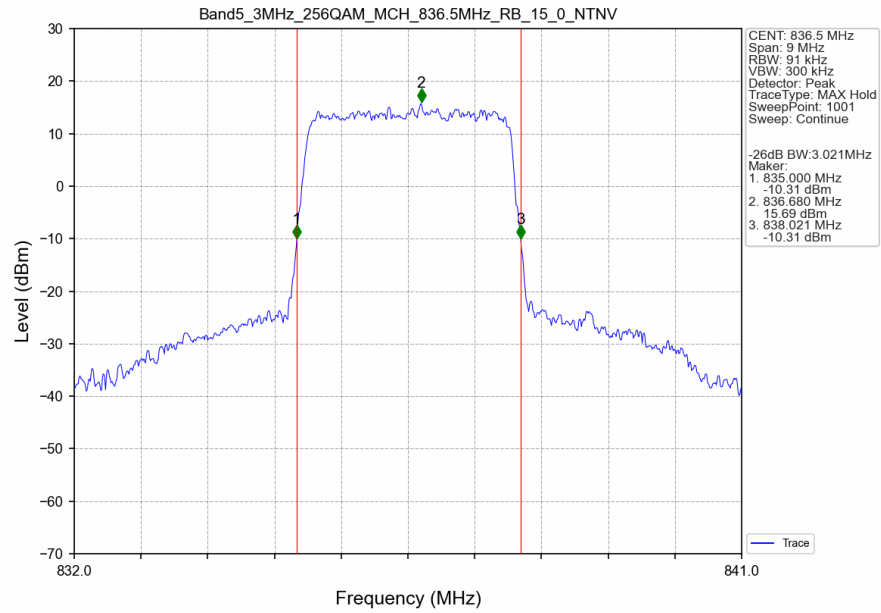
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



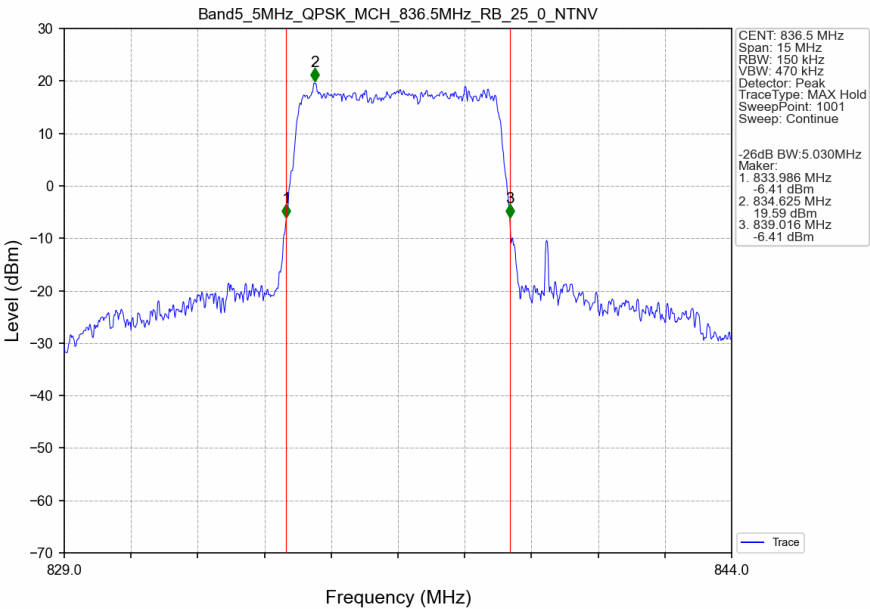
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTNV



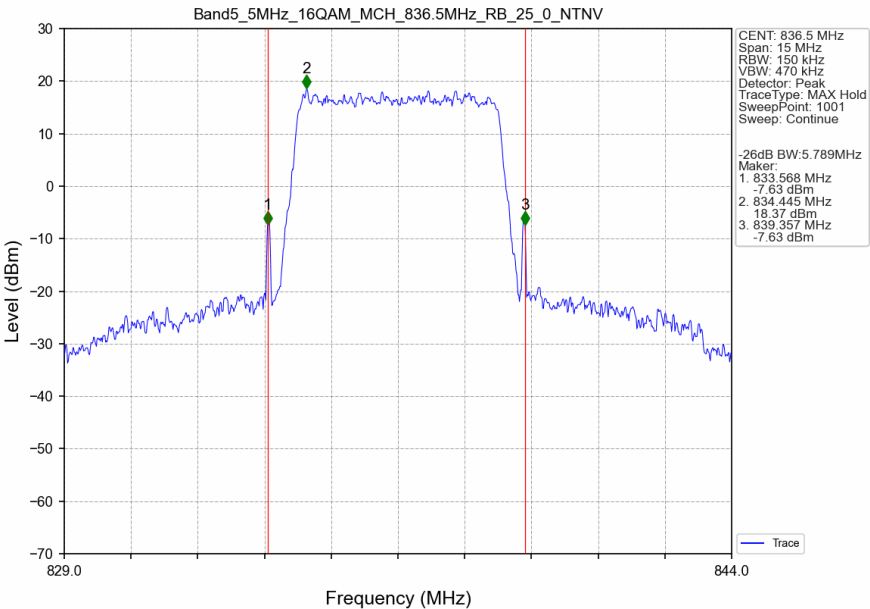
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTNV



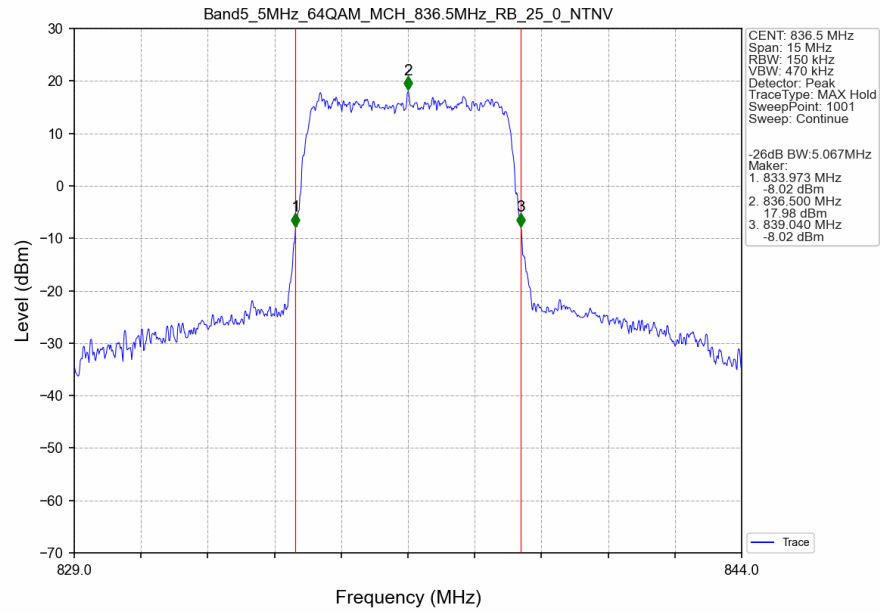
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



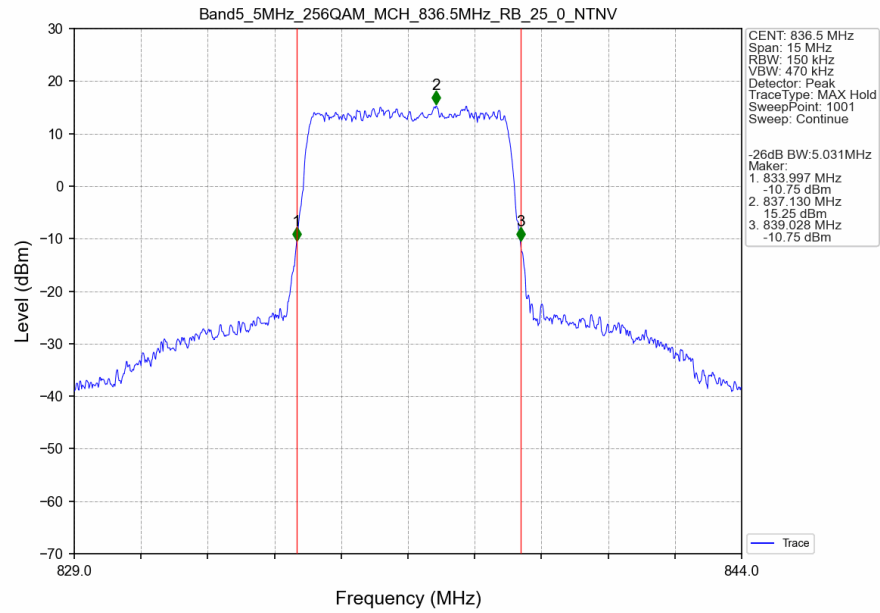
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



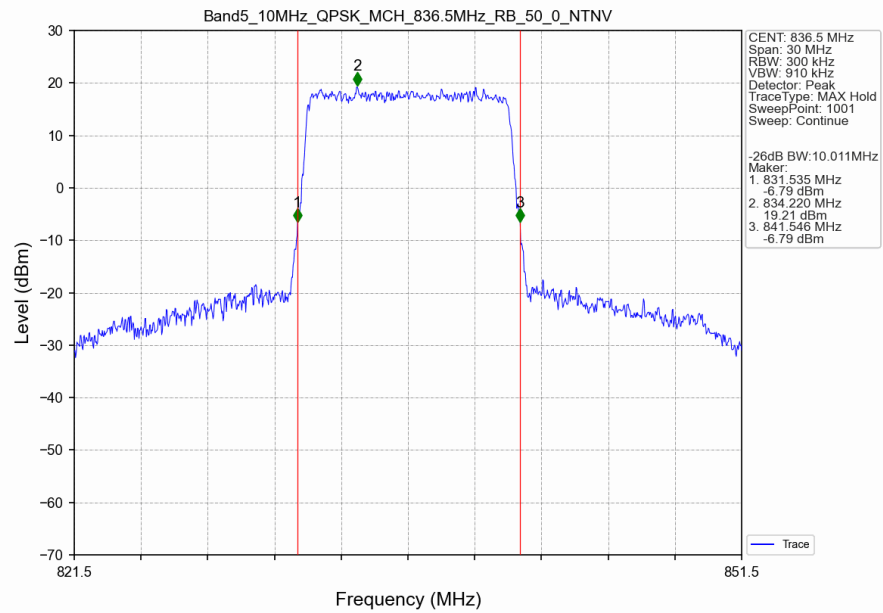
Band5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV



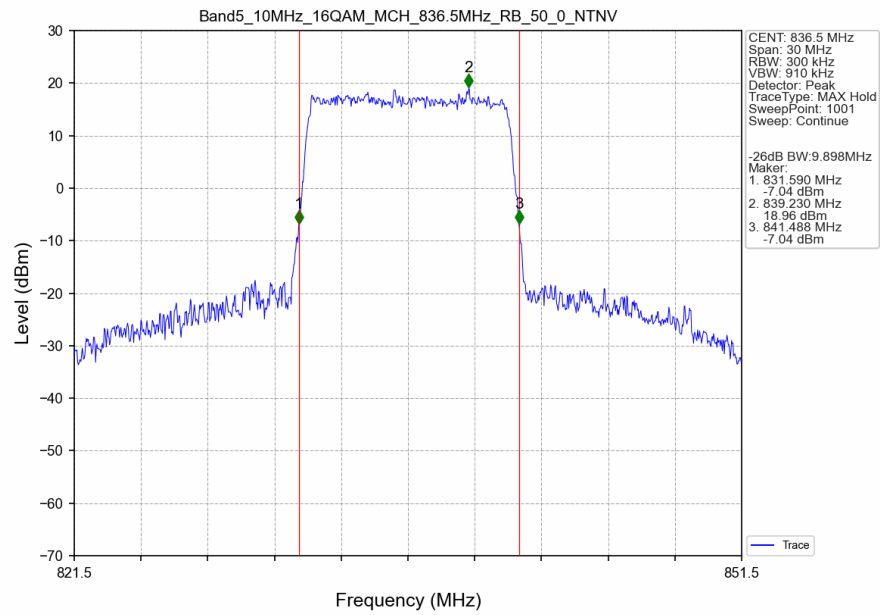
Band5 5MHz 256QAM MCH 836.5MHz RB 25 0 NTNV



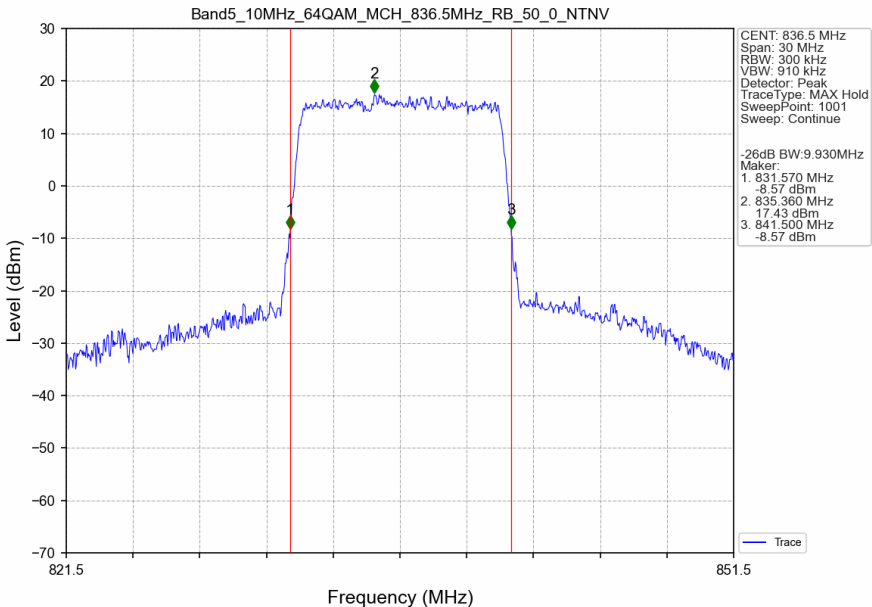
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



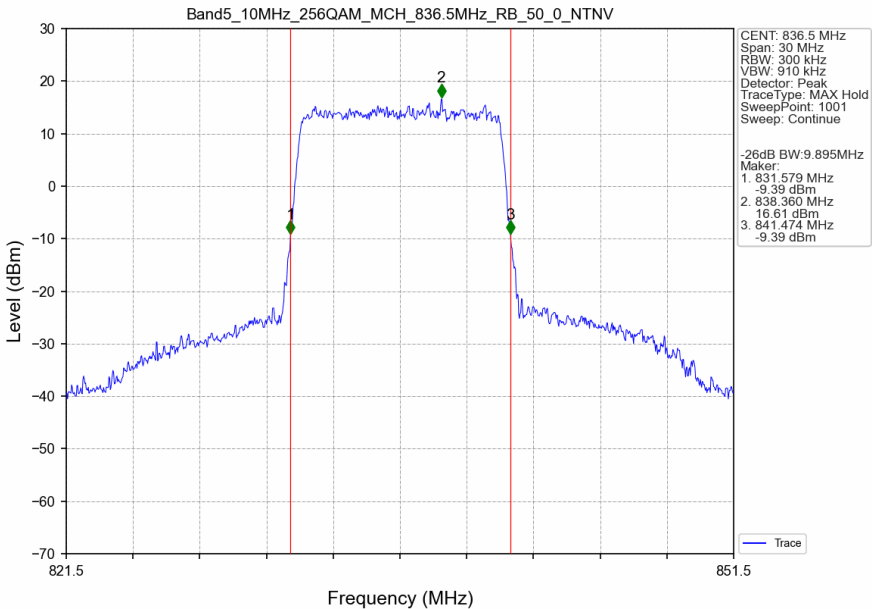
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

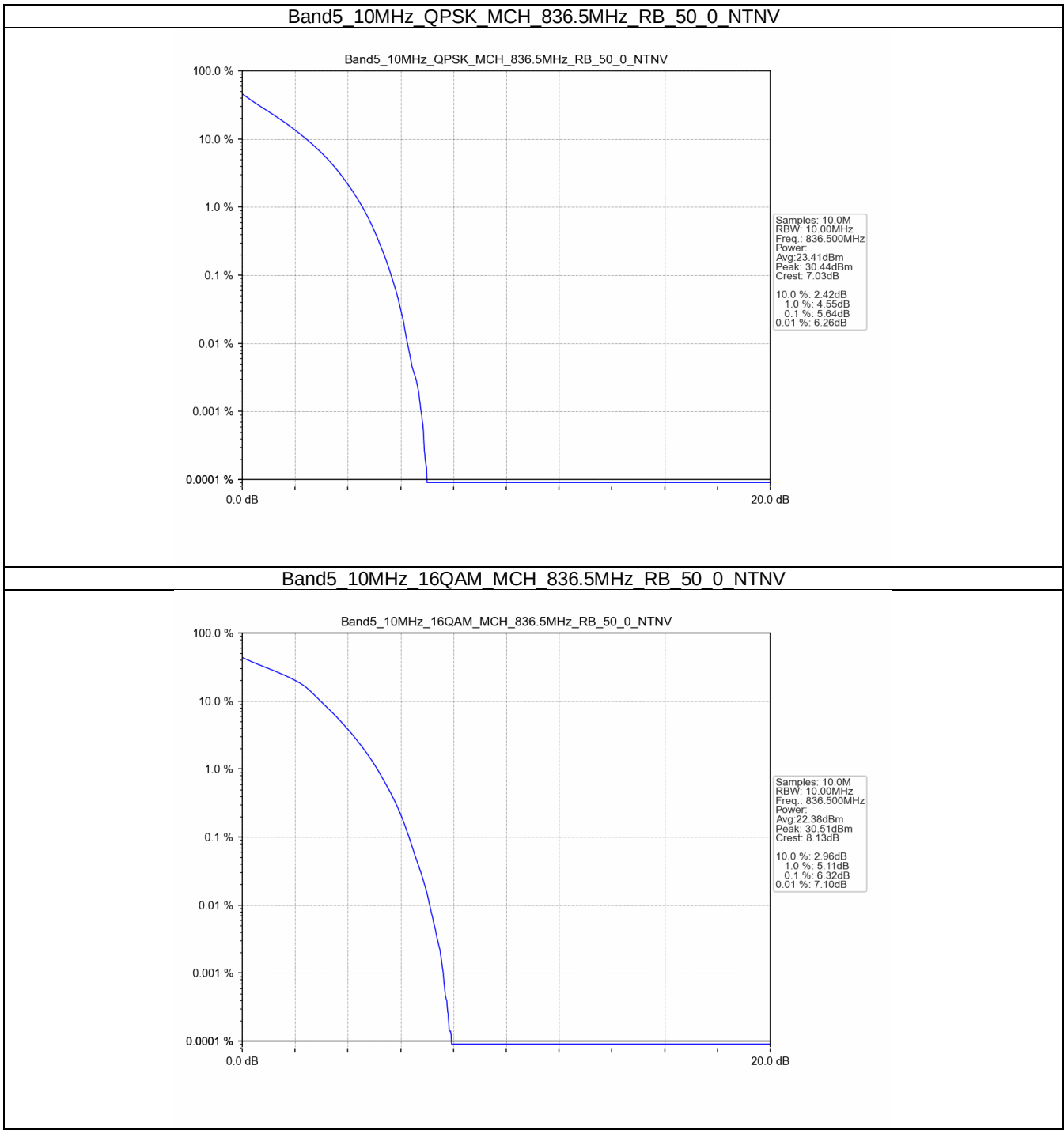
4.1 Test Result

4.1.1 B5_10MHz

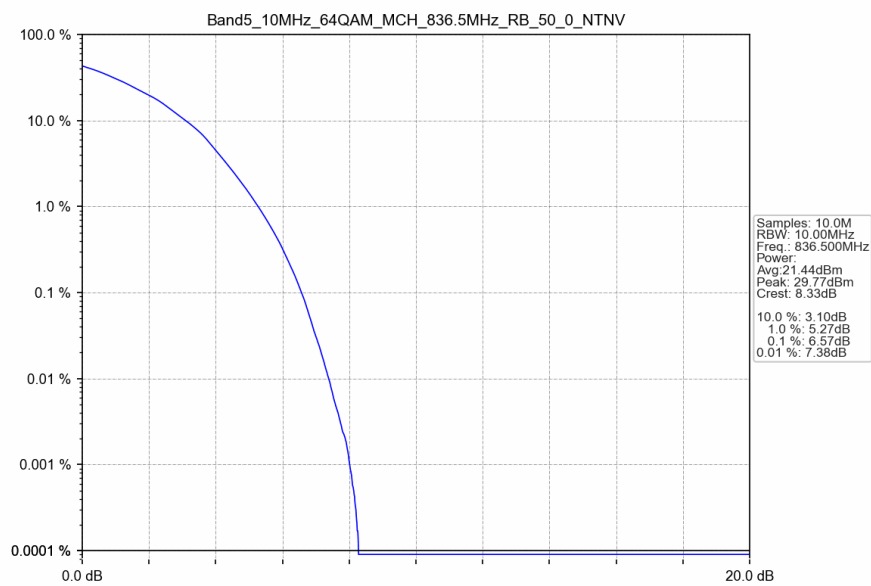
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.64	<=13	Pass
16QAM	836.5	50	0	6.32	<=13	Pass
64QAM	836.5	50	0	6.57	<=13	Pass
256QAM	836.5	50	0	6.74	<=13	Pass

4.2 Test Graph

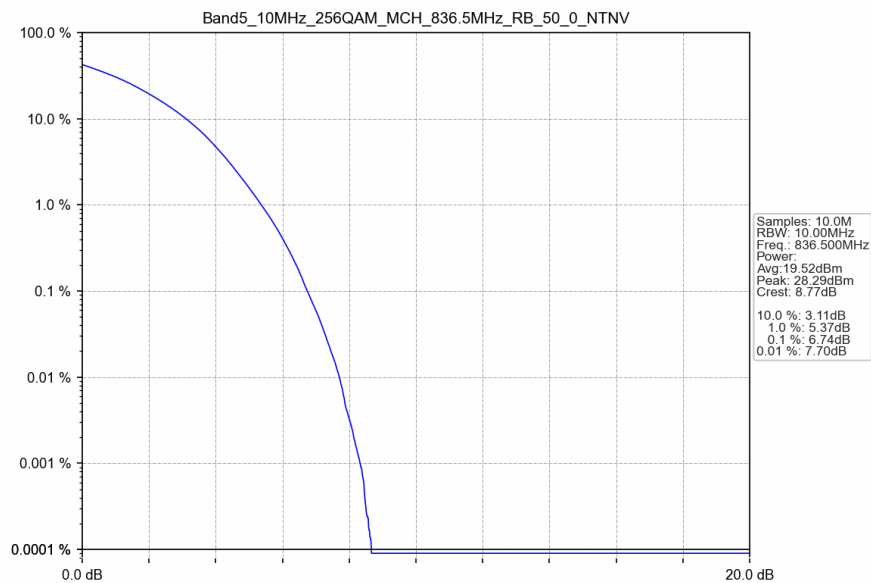
4.2.1 B5_10MHz



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



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 / NTV						
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

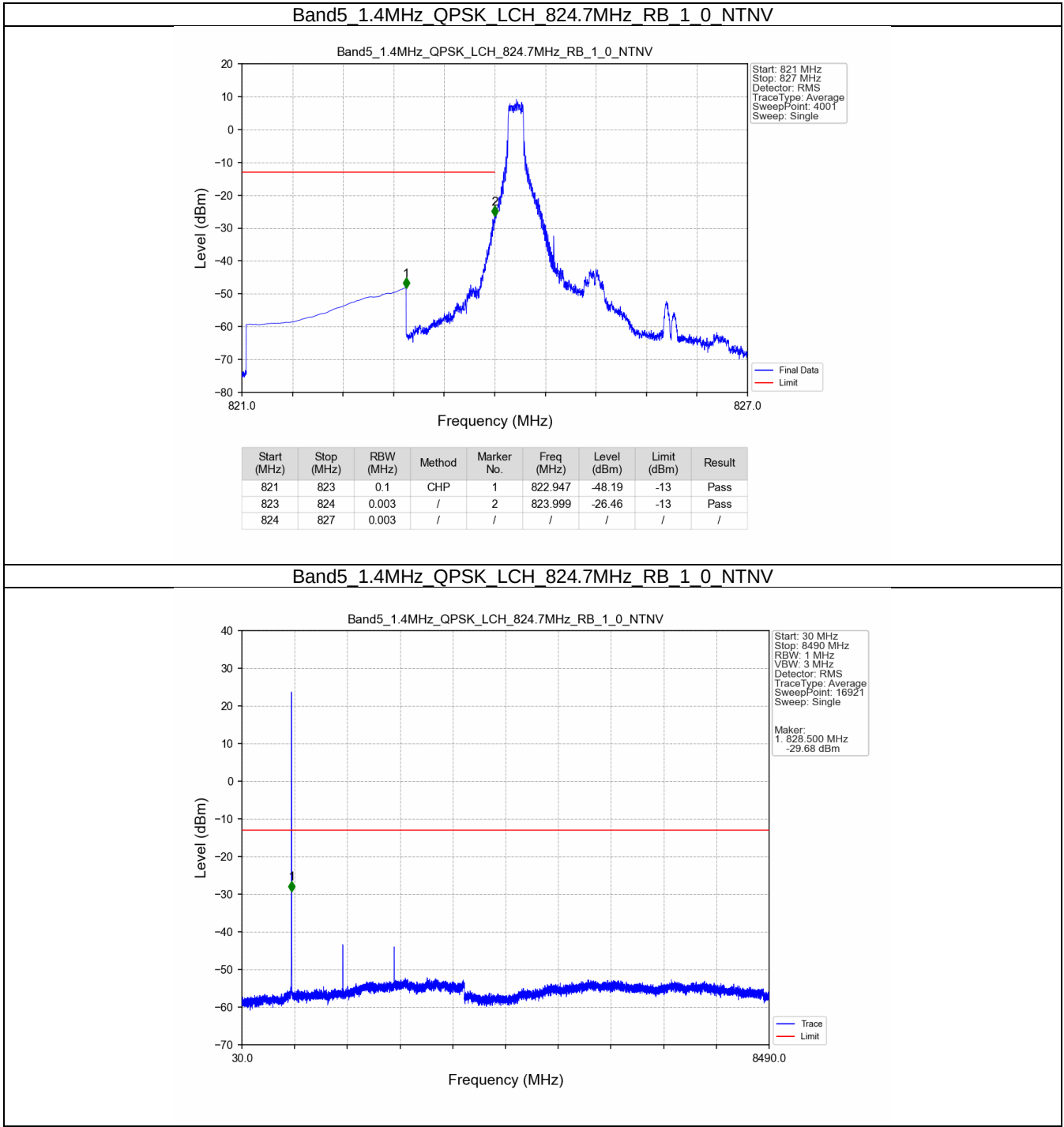
Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

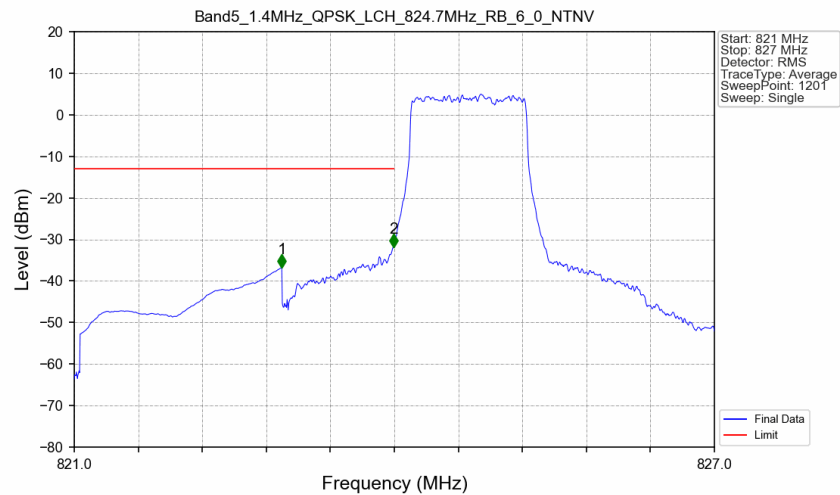
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

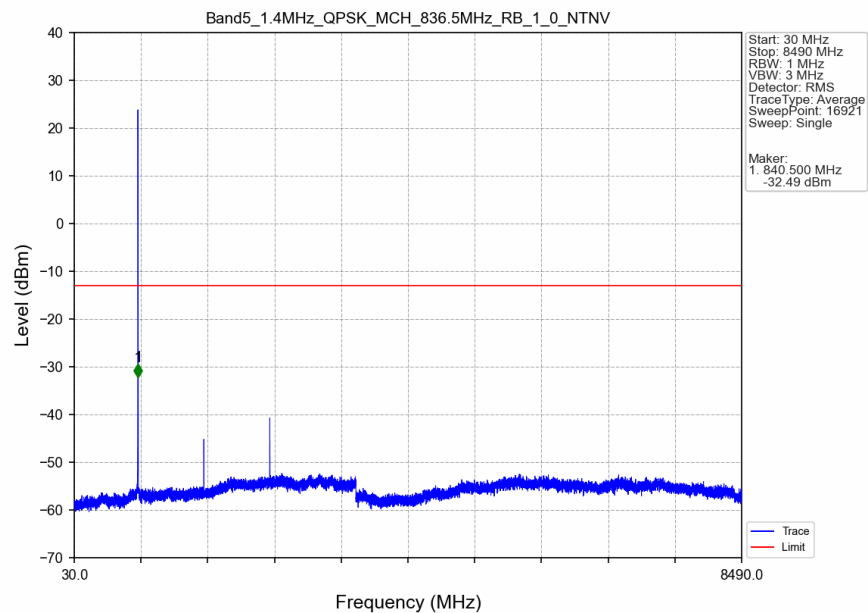


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

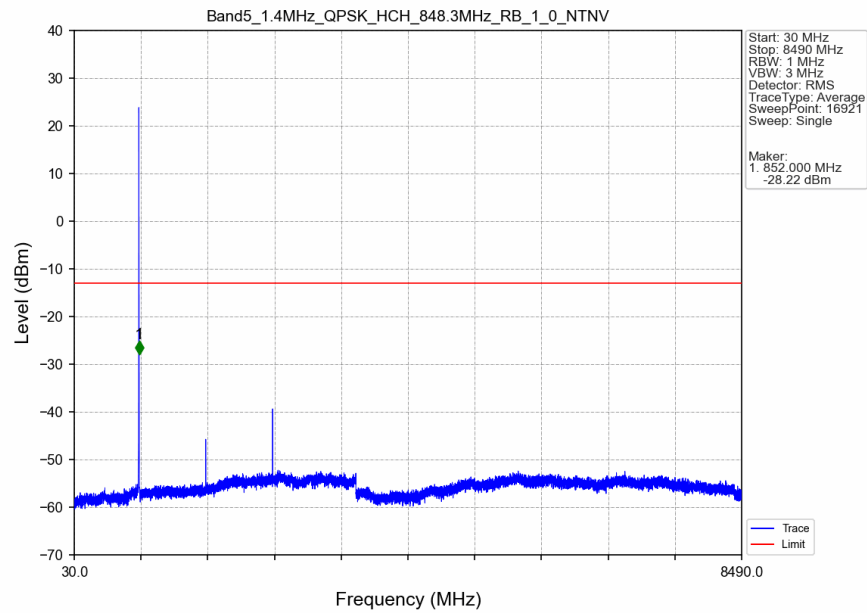


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-36.72	-13	Pass
823	824	0.013	CHP	2	823.995	-31.82	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

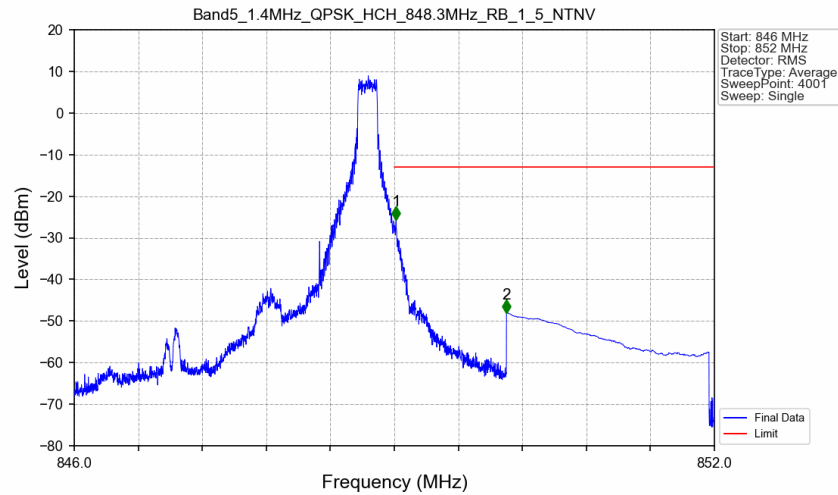
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

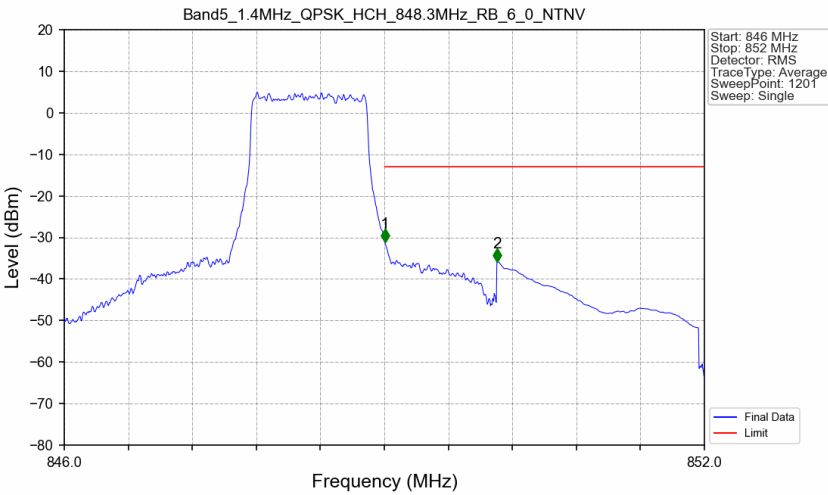


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



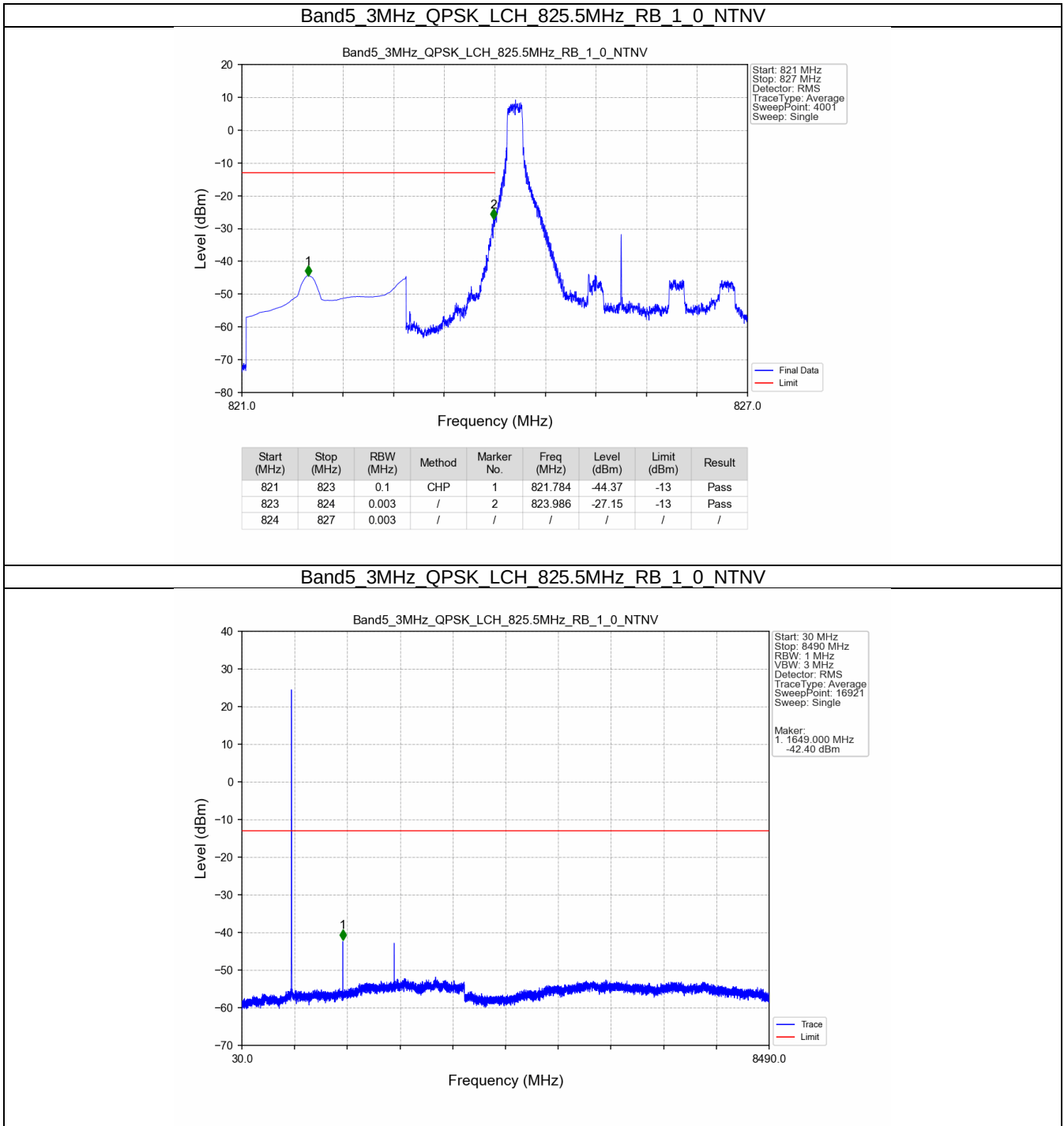
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.016	-25.66	-13	Pass
850	852	0.1	CHP	2	850.052	-48.05	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

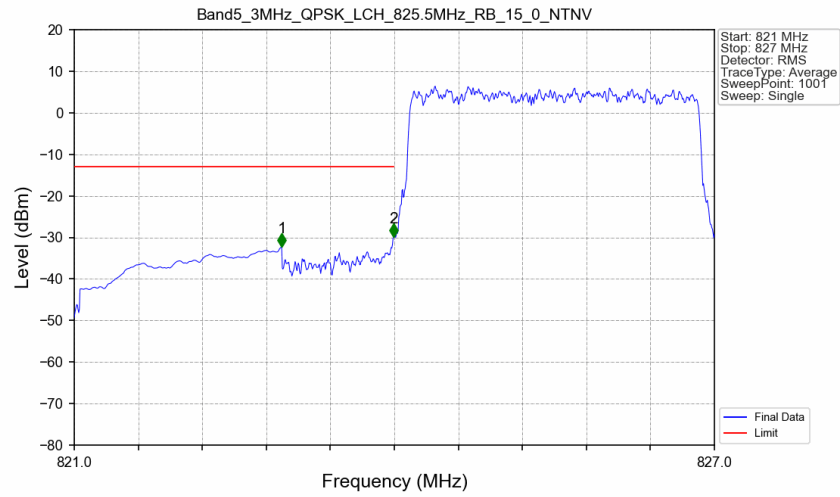


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-31.08	-13	Pass
850	852	0.1	CHP	2	850.055	-35.80	-13	Pass

5.2.2 B5_3MHz

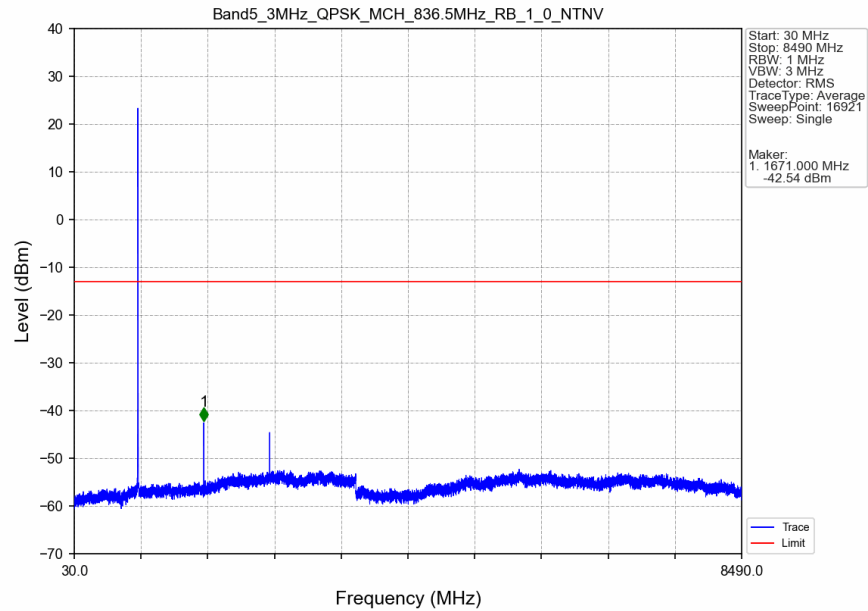


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

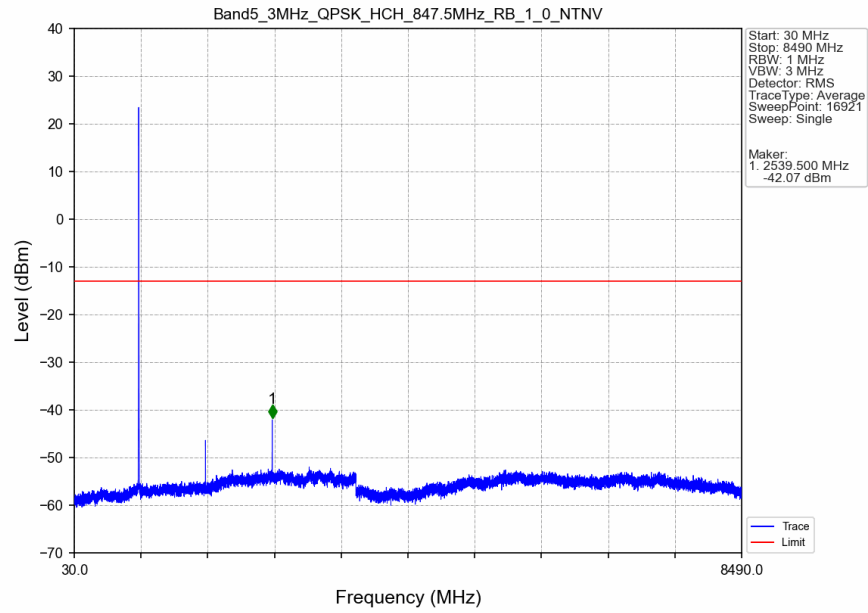


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-32.29	-13	Pass
823	824	0.03	/	2	823.994	-29.87	-13	Pass
824	827	0.03	/	/	/	/	/	/

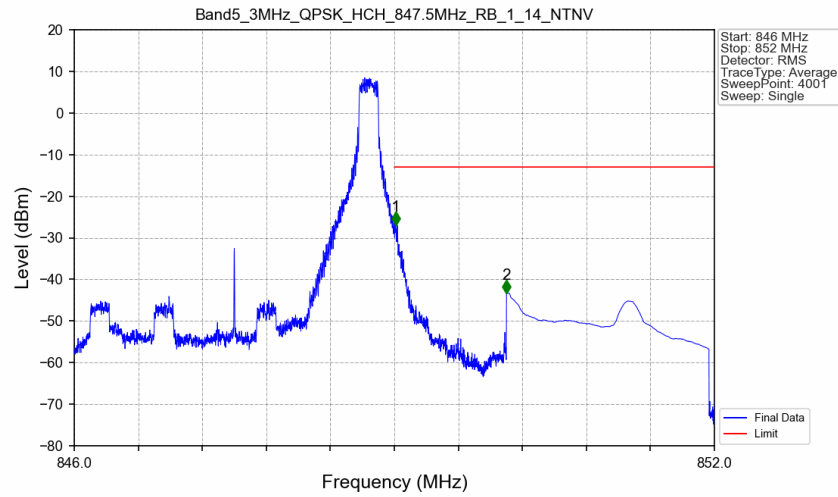
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

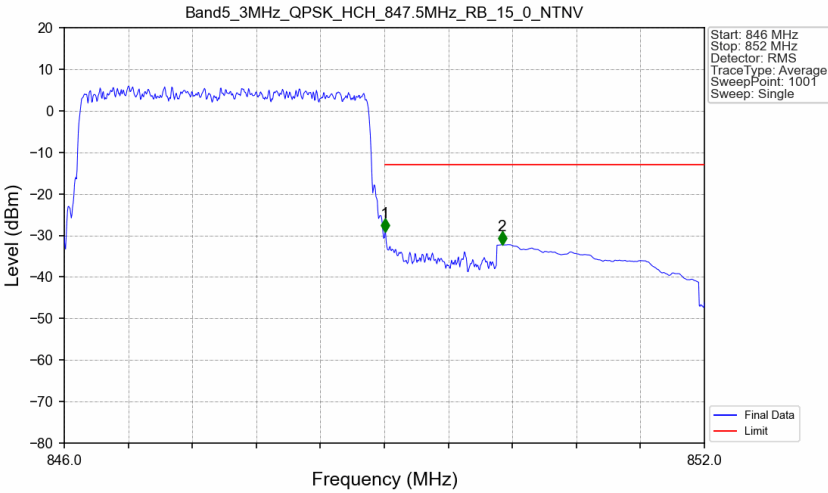


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



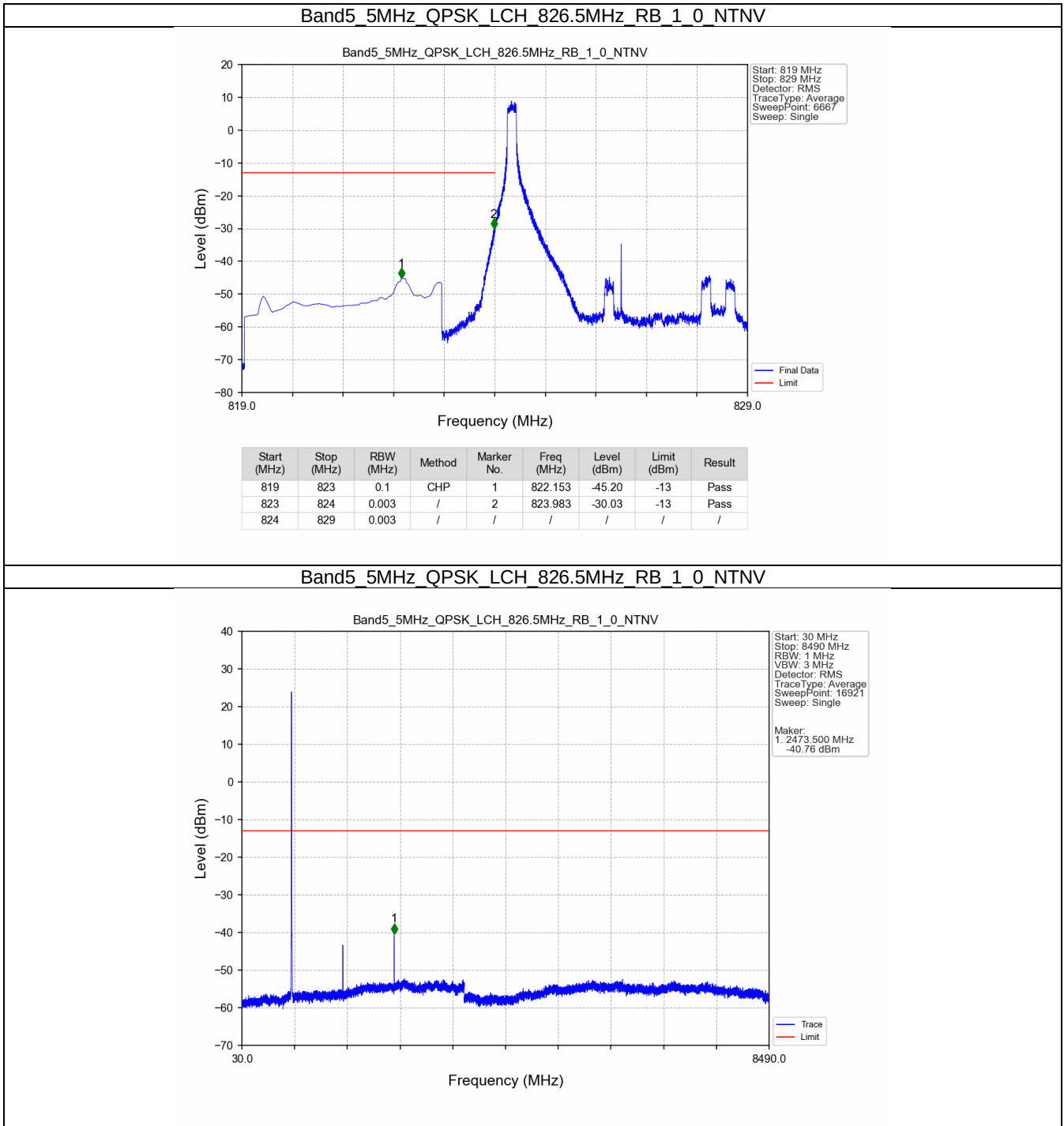
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-26.94	-13	Pass
850	852	0.1	CHP	2	850.052	-43.28	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

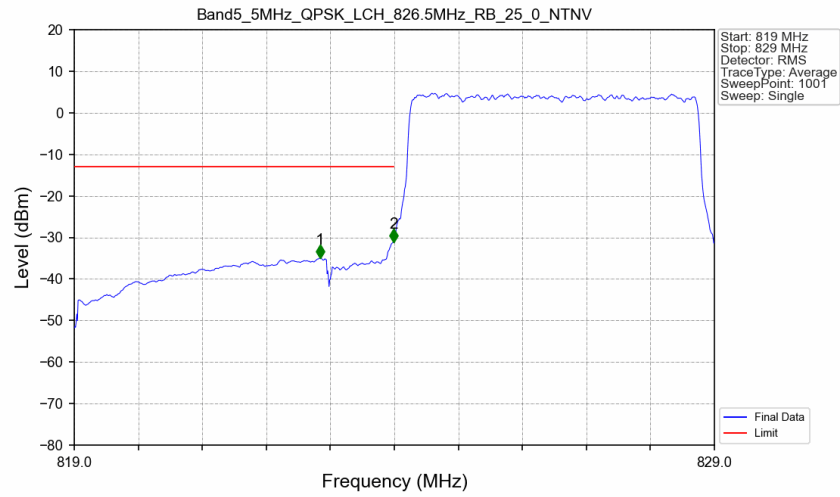


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-29.18	-13	Pass
850	852	0.1	CHP	2	850.104	-32.15	-13	Pass

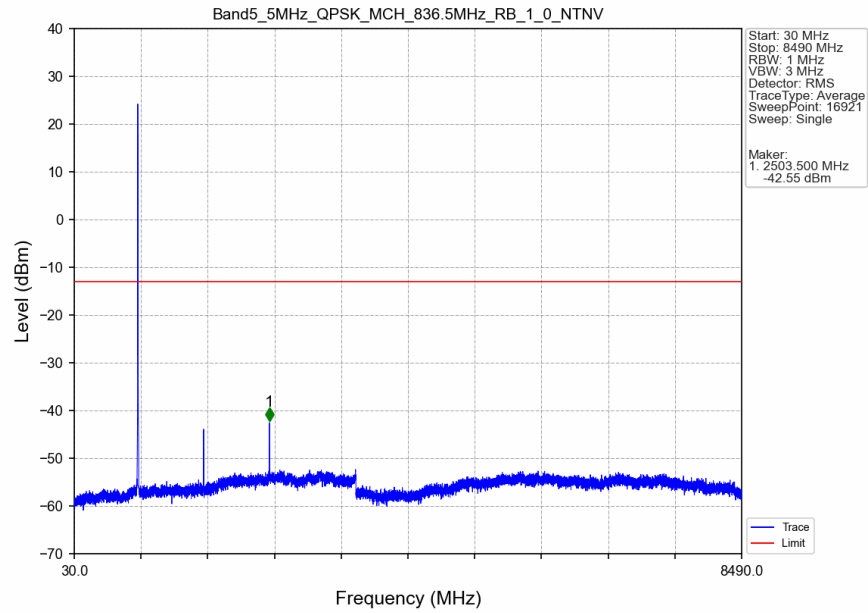
5.2.3 B5_5MHz



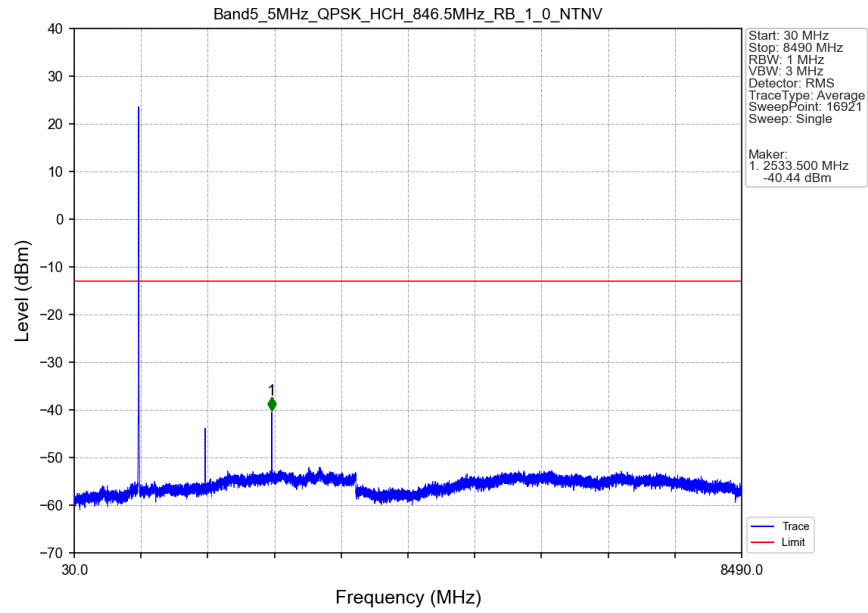
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



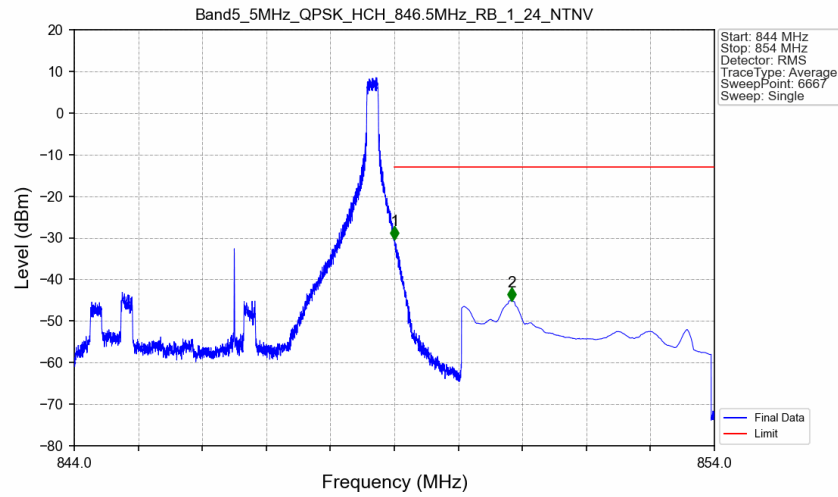
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

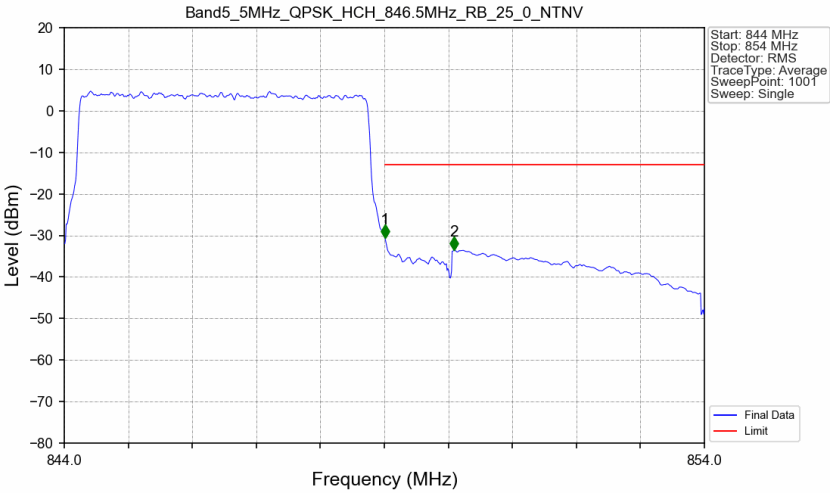


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



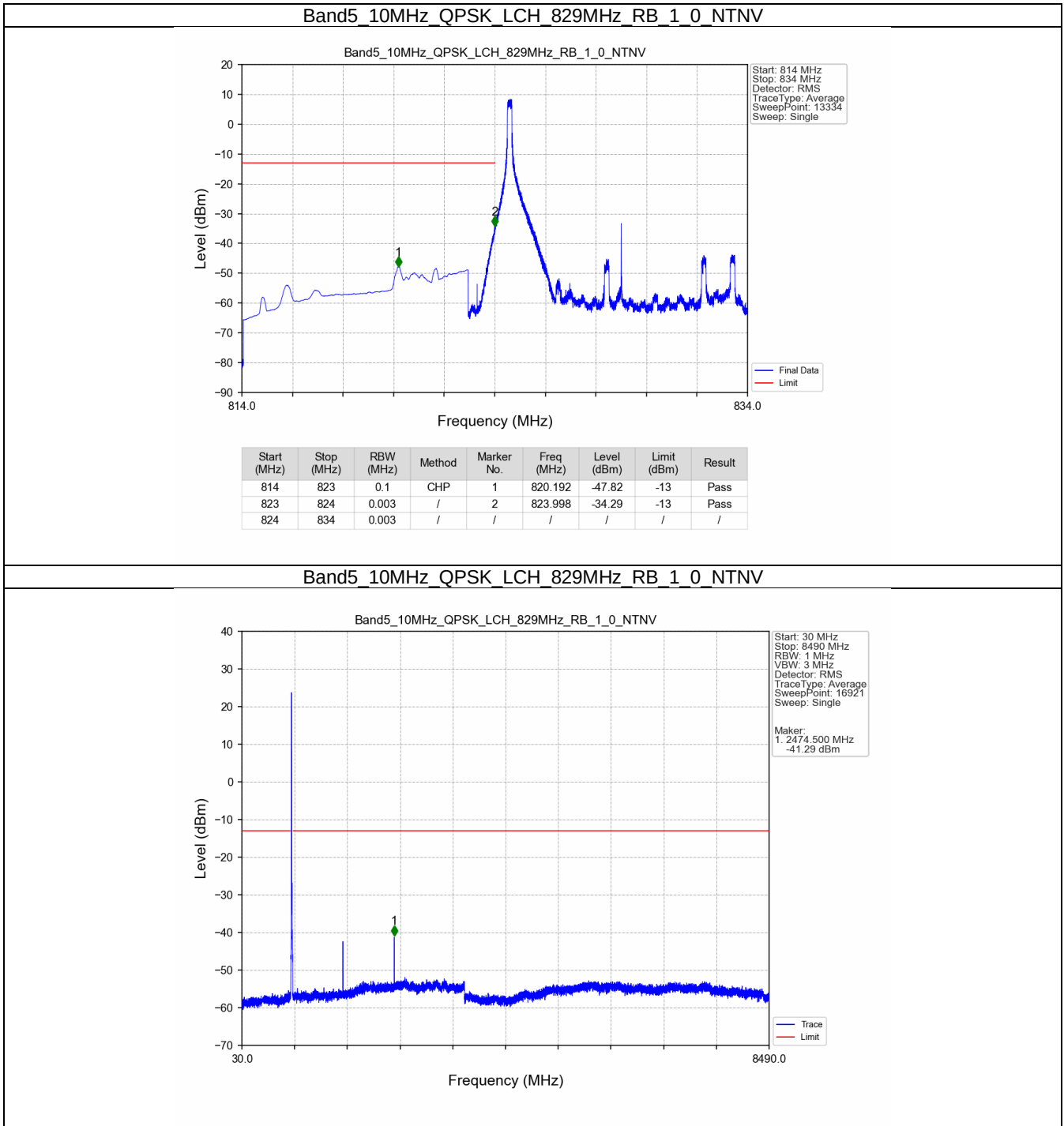
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.32	-13	Pass
850	854	0.1	CHP	2	850.832	-45.10	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

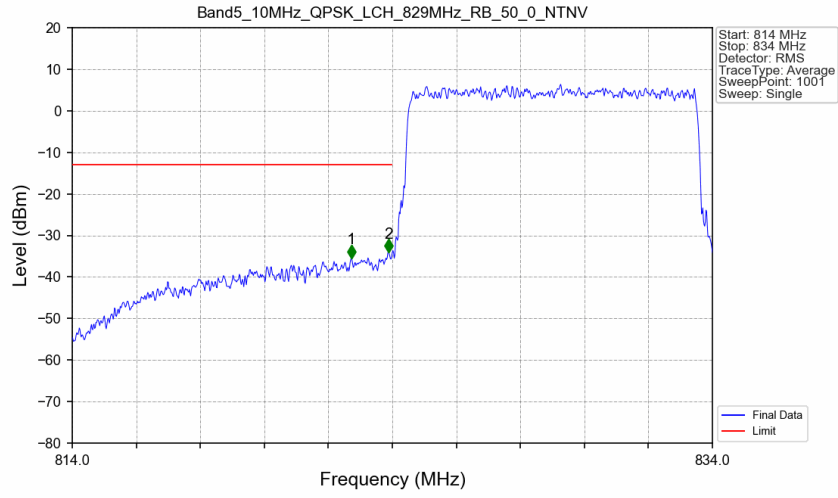


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-30.59	-13	Pass
850	854	0.1	CHP	2	850.090	-33.55	-13	Pass

5.2.4 B5_10MHz

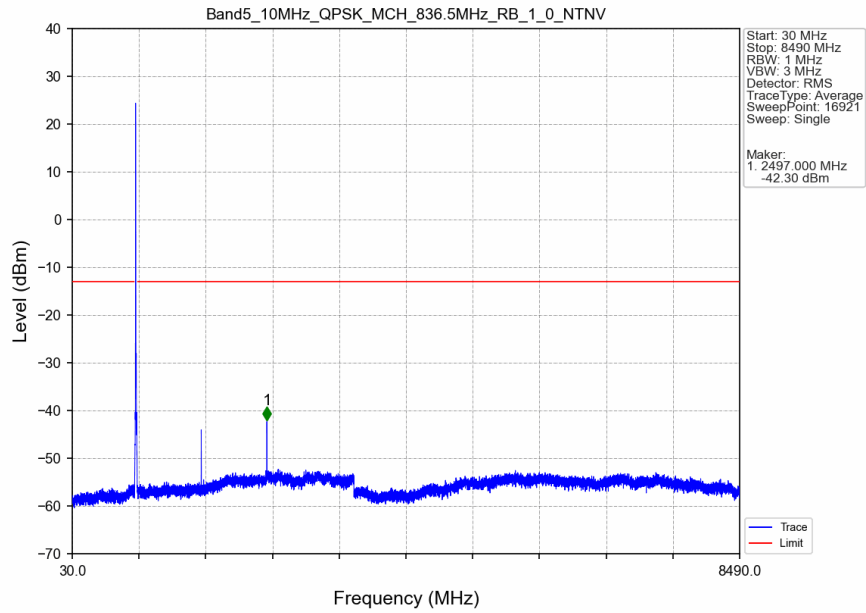


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

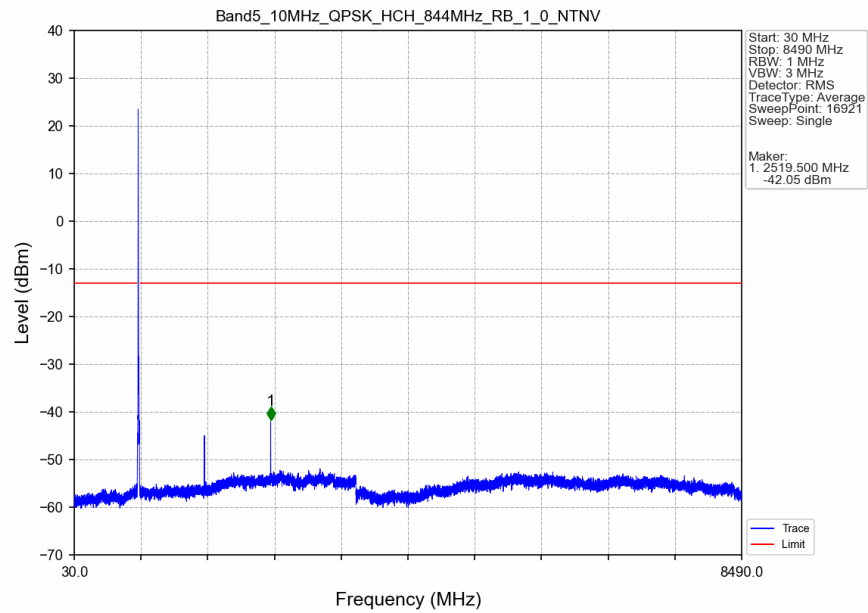


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.720	-35.41	-13	Pass
823	824	0.1	/	2	823.880	-33.96	-13	Pass
824	834	0.1	/	/	/	/	/	/

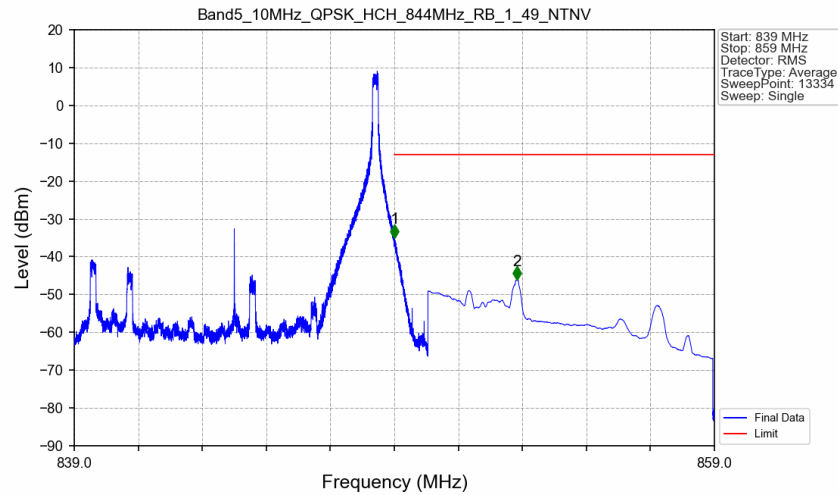
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

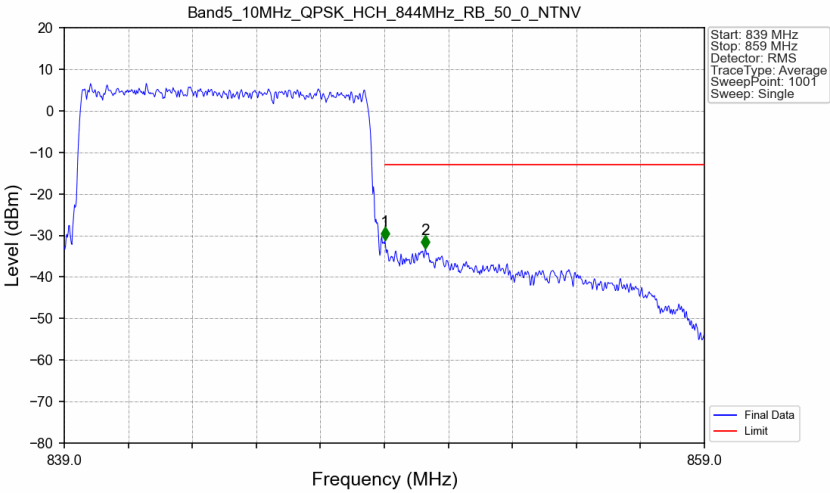


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.002	-34.94	-13	Pass
850	859	0.1	CHP	2	852.838	-46.11	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



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	849.020	-31.20	-13	Pass
850	859	0.1	/	2	850.280	-33.17	-13	Pass