

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	23.43	-0.50	20.78	<=38.45	Pass
			2	22.98	-0.50	20.33	<=38.45	Pass
			5	23.00	-0.50	20.35	<=38.45	Pass
		3	0	23.01	-0.50	20.36	<=38.45	Pass
			2	22.99	-0.50	20.34	<=38.45	Pass
			3	23.10	-0.50	20.45	<=38.45	Pass
		6	0	22.02	-0.50	19.37	<=38.45	Pass
	836.5	1	0	23.40	-0.50	20.75	<=38.45	Pass
			2	23.14	-0.50	20.49	<=38.45	Pass
			5	23.06	-0.50	20.41	<=38.45	Pass
		3	0	23.16	-0.50	20.51	<=38.45	Pass
			2	23.20	-0.50	20.55	<=38.45	Pass
			3	23.15	-0.50	20.50	<=38.45	Pass
		6	0	22.07	-0.50	19.42	<=38.45	Pass
	848.3	1	0	23.14	-0.50	20.49	<=38.45	Pass
			2	22.97	-0.50	20.32	<=38.45	Pass
			5	22.91	-0.50	20.26	<=38.45	Pass
		3	0	23.07	-0.50	20.42	<=38.45	Pass
			2	23.20	-0.50	20.55	<=38.45	Pass
			3	23.03	-0.50	20.38	<=38.45	Pass
		6	0	22.16	-0.50	19.51	<=38.45	Pass
16QAM	824.7	1	0	21.95	-0.50	19.30	<=38.45	Pass
			2	22.34	-0.50	19.69	<=38.45	Pass
			5	22.63	-0.50	19.98	<=38.45	Pass
		3	0	22.29	-0.50	19.64	<=38.45	Pass
			2	22.26	-0.50	19.61	<=38.45	Pass
			3	22.20	-0.50	19.55	<=38.45	Pass
		6	0	21.12	-0.50	18.47	<=38.45	Pass
	836.5	1	0	22.36	-0.50	19.71	<=38.45	Pass
			2	22.68	-0.50	20.03	<=38.45	Pass
			5	22.77	-0.50	20.12	<=38.45	Pass
		3	0	22.34	-0.50	19.69	<=38.45	Pass
			2	22.37	-0.50	19.72	<=38.45	Pass
			3	21.99	-0.50	19.34	<=38.45	Pass
		6	0	21.33	-0.50	18.68	<=38.45	Pass
	848.3	1	0	22.22	-0.50	19.57	<=38.45	Pass
			2	21.97	-0.50	19.32	<=38.45	Pass
			5	22.38	-0.50	19.73	<=38.45	Pass
		3	0	22.07	-0.50	19.42	<=38.45	Pass
			2	22.08	-0.50	19.43	<=38.45	Pass
			3	22.26	-0.50	19.61	<=38.45	Pass
		6	0	21.40	-0.50	18.75	<=38.45	Pass
64QAM	824.7	1	0	22.09	-0.50	19.44	<=38.45	Pass
			2	21.73	-0.50	19.08	<=38.45	Pass
			5	22.01	-0.50	19.36	<=38.45	Pass
		3	0	22.16	-0.50	19.51	<=38.45	Pass
			2	22.18	-0.50	19.53	<=38.45	Pass
			3	22.12	-0.50	19.47	<=38.45	Pass
		6	0	21.10	-0.50	18.45	<=38.45	Pass

	836.5	1	0	22.50	-0.50	19.85	<=38.45	Pass
			2	21.80	-0.50	19.15	<=38.45	Pass
			5	22.26	-0.50	19.61	<=38.45	Pass
		3	0	21.95	-0.50	19.30	<=38.45	Pass
			2	22.12	-0.50	19.47	<=38.45	Pass
			3	21.87	-0.50	19.22	<=38.45	Pass
		6	0	21.07	-0.50	18.42	<=38.45	Pass
	848.3	1	0	21.91	-0.50	19.26	<=38.45	Pass
			2	22.17	-0.50	19.52	<=38.45	Pass
			5	21.71	-0.50	19.06	<=38.45	Pass
		3	0	22.30	-0.50	19.65	<=38.45	Pass
			2	22.25	-0.50	19.60	<=38.45	Pass
			3	22.24	-0.50	19.59	<=38.45	Pass
		6	0	21.17	-0.50	18.52	<=38.45	Pass
256QAM	824.7	1	0	17.93	-0.50	15.28	<=38.45	Pass
			2	17.98	-0.50	15.33	<=38.45	Pass
			5	17.97	-0.50	15.32	<=38.45	Pass
		3	0	18.08	-0.50	15.43	<=38.45	Pass
			2	18.25	-0.50	15.60	<=38.45	Pass
			3	18.17	-0.50	15.52	<=38.45	Pass
		6	0	17.98	-0.50	15.33	<=38.45	Pass
	836.5	1	0	18.13	-0.50	15.48	<=38.45	Pass
			2	18.08	-0.50	15.43	<=38.45	Pass
			5	17.79	-0.50	15.14	<=38.45	Pass
		3	0	18.11	-0.50	15.46	<=38.45	Pass
			2	18.28	-0.50	15.63	<=38.45	Pass
			3	18.09	-0.50	15.44	<=38.45	Pass
		6	0	18.08	-0.50	15.43	<=38.45	Pass
	848.3	1	0	18.37	-0.50	15.72	<=38.45	Pass
			2	18.39	-0.50	15.74	<=38.45	Pass
			5	18.19	-0.50	15.54	<=38.45	Pass
		3	0	18.30	-0.50	15.65	<=38.45	Pass
			2	18.39	-0.50	15.74	<=38.45	Pass
			3	18.15	-0.50	15.50	<=38.45	Pass
		6	0	18.10	-0.50	15.45	<=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	23.03	-0.50	20.38	<=38.45	Pass
			7	23.36	-0.50	20.71	<=38.45	Pass
			14	23.26	-0.50	20.61	<=38.45	Pass
		8	0	22.11	-0.50	19.46	<=38.45	Pass
			4	22.21	-0.50	19.56	<=38.45	Pass
			7	22.12	-0.50	19.47	<=38.45	Pass
		15	0	22.13	-0.50	19.48	<=38.45	Pass
	836.5	1	0	23.07	-0.50	20.42	<=38.45	Pass
			7	23.23	-0.50	20.58	<=38.45	Pass
			14	22.99	-0.50	20.34	<=38.45	Pass
		8	0	22.09	-0.50	19.44	<=38.45	Pass
			4	22.09	-0.50	19.44	<=38.45	Pass
			7	22.16	-0.50	19.51	<=38.45	Pass
		15	0	22.16	-0.50	19.51	<=38.45	Pass
	847.5	1	0	23.09	-0.50	20.44	<=38.45	Pass

		8	7	23.12	-0.50	20.47	<=38.45	Pass
			14	23.06	-0.50	20.41	<=38.45	Pass
			0	22.28	-0.50	19.63	<=38.45	Pass
			4	22.26	-0.50	19.61	<=38.45	Pass
			7	22.27	-0.50	19.62	<=38.45	Pass
		15	0	22.22	-0.50	19.57	<=38.45	Pass
16QAM	825.5	1	0	22.41	-0.50	19.76	<=38.45	Pass
			7	22.38	-0.50	19.73	<=38.45	Pass
			14	22.34	-0.50	19.69	<=38.45	Pass
		8	0	21.30	-0.50	18.65	<=38.45	Pass
			4	21.11	-0.50	18.46	<=38.45	Pass
			7	21.22	-0.50	18.57	<=38.45	Pass
		15	0	21.14	-0.50	18.49	<=38.45	Pass
	836.5	1	0	21.91	-0.50	19.26	<=38.45	Pass
			7	22.18	-0.50	19.53	<=38.45	Pass
			14	22.16	-0.50	19.51	<=38.45	Pass
		8	0	21.20	-0.50	18.55	<=38.45	Pass
			4	21.23	-0.50	18.58	<=38.45	Pass
			7	21.29	-0.50	18.64	<=38.45	Pass
		15	0	21.21	-0.50	18.56	<=38.45	Pass
	847.5	1	0	22.47	-0.50	19.82	<=38.45	Pass
			7	22.70	-0.50	20.05	<=38.45	Pass
			14	22.18	-0.50	19.53	<=38.45	Pass
		8	0	21.30	-0.50	18.65	<=38.45	Pass
			4	21.34	-0.50	18.69	<=38.45	Pass
			7	21.21	-0.50	18.56	<=38.45	Pass
		15	0	21.27	-0.50	18.62	<=38.45	Pass
64QAM	825.5	1	0	22.34	-0.50	19.69	<=38.45	Pass
			7	22.17	-0.50	19.52	<=38.45	Pass
			14	21.93	-0.50	19.28	<=38.45	Pass
		8	0	21.12	-0.50	18.47	<=38.45	Pass
			4	21.23	-0.50	18.58	<=38.45	Pass
			7	21.18	-0.50	18.53	<=38.45	Pass
		15	0	21.14	-0.50	18.49	<=38.45	Pass
	836.5	1	0	22.06	-0.50	19.41	<=38.45	Pass
			7	22.18	-0.50	19.53	<=38.45	Pass
			14	22.37	-0.50	19.72	<=38.45	Pass
		8	0	21.07	-0.50	18.42	<=38.45	Pass
			4	21.22	-0.50	18.57	<=38.45	Pass
			7	21.20	-0.50	18.55	<=38.45	Pass
		15	0	21.15	-0.50	18.50	<=38.45	Pass
	847.5	1	0	22.43	-0.50	19.78	<=38.45	Pass
			7	22.48	-0.50	19.83	<=38.45	Pass
			14	22.08	-0.50	19.43	<=38.45	Pass
		8	0	21.28	-0.50	18.63	<=38.45	Pass
			4	21.31	-0.50	18.66	<=38.45	Pass
			7	21.28	-0.50	18.63	<=38.45	Pass
		15	0	21.27	-0.50	18.62	<=38.45	Pass
256QAM	825.5	1	0	17.84	-0.50	15.19	<=38.45	Pass
			7	18.26	-0.50	15.61	<=38.45	Pass
			14	18.19	-0.50	15.54	<=38.45	Pass
		8	0	18.21	-0.50	15.56	<=38.45	Pass
			4	18.00	-0.50	15.35	<=38.45	Pass
			7	18.15	-0.50	15.50	<=38.45	Pass
		15	0	18.07	-0.50	15.42	<=38.45	Pass
	836.5	1	0	17.89	-0.50	15.24	<=38.45	Pass
			7	18.32	-0.50	15.67	<=38.45	Pass
			14	18.25	-0.50	15.60	<=38.45	Pass
		8	0	17.93	-0.50	15.28	<=38.45	Pass

		15	4	18.17	-0.50	15.52	<=38.45	Pass
			7	18.25	-0.50	15.60	<=38.45	Pass
			0	18.12	-0.50	15.47	<=38.45	Pass
	847.5	1	0	18.24	-0.50	15.59	<=38.45	Pass
			7	18.37	-0.50	15.72	<=38.45	Pass
			14	18.49	-0.50	15.84	<=38.45	Pass
		8	0	18.25	-0.50	15.60	<=38.45	Pass
			4	18.27	-0.50	15.62	<=38.45	Pass
			7	18.41	-0.50	15.76	<=38.45	Pass
		15	0	18.23	-0.50	15.58	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.05	-0.50	20.40	<=38.45	Pass
			13	23.12	-0.50	20.47	<=38.45	Pass
			24	23.21	-0.50	20.56	<=38.45	Pass
		12	0	22.16	-0.50	19.51	<=38.45	Pass
			6	22.16	-0.50	19.51	<=38.45	Pass
			13	22.12	-0.50	19.47	<=38.45	Pass
		25	0	22.18	-0.50	19.53	<=38.45	Pass
	836.5	1	0	23.19	-0.50	20.54	<=38.45	Pass
			13	23.46	-0.50	20.81	<=38.45	Pass
			24	23.12	-0.50	20.47	<=38.45	Pass
		12	0	22.14	-0.50	19.49	<=38.45	Pass
			6	22.21	-0.50	19.56	<=38.45	Pass
			13	22.27	-0.50	19.62	<=38.45	Pass
		25	0	22.15	-0.50	19.50	<=38.45	Pass
	846.5	1	0	23.24	-0.50	20.59	<=38.45	Pass
			13	23.48	-0.50	20.83	<=38.45	Pass
			24	23.33	-0.50	20.68	<=38.45	Pass
		12	0	22.25	-0.50	19.60	<=38.45	Pass
			6	22.22	-0.50	19.57	<=38.45	Pass
			13	22.32	-0.50	19.67	<=38.45	Pass
		25	0	22.17	-0.50	19.52	<=38.45	Pass
16QAM	826.5	1	0	22.01	-0.50	19.36	<=38.45	Pass
			13	22.08	-0.50	19.43	<=38.45	Pass
			24	21.41	-0.50	18.76	<=38.45	Pass
		12	0	21.17	-0.50	18.52	<=38.45	Pass
			6	21.27	-0.50	18.62	<=38.45	Pass
			13	21.19	-0.50	18.54	<=38.45	Pass
		25	0	21.14	-0.50	18.49	<=38.45	Pass
	836.5	1	0	22.33	-0.50	19.68	<=38.45	Pass
			13	22.27	-0.50	19.62	<=38.45	Pass
			24	22.43	-0.50	19.78	<=38.45	Pass
		12	0	21.14	-0.50	18.49	<=38.45	Pass
			6	21.21	-0.50	18.56	<=38.45	Pass
			13	21.27	-0.50	18.62	<=38.45	Pass
		25	0	21.23	-0.50	18.58	<=38.45	Pass
	846.5	1	0	22.71	-0.50	20.06	<=38.45	Pass
			13	22.48	-0.50	19.83	<=38.45	Pass
			24	22.51	-0.50	19.86	<=38.45	Pass
		12	0	21.33	-0.50	18.68	<=38.45	Pass
			6	21.22	-0.50	18.57	<=38.45	Pass

			13	21.24	-0.50	18.59	<=38.45	Pass	
		25	0	21.15	-0.50	18.50	<=38.45	Pass	
64QAM	826.5	1	0	22.03	-0.50	19.38	<=38.45	Pass	
			13	21.87	-0.50	19.22	<=38.45	Pass	
			24	22.17	-0.50	19.52	<=38.45	Pass	
			0	21.17	-0.50	18.52	<=38.45	Pass	
		12	6	21.17	-0.50	18.52	<=38.45	Pass	
			13	21.17	-0.50	18.52	<=38.45	Pass	
			25	0	21.17	-0.50	18.52	<=38.45	Pass
		836.5	1	0	22.49	-0.50	19.84	<=38.45	Pass
				13	22.07	-0.50	19.42	<=38.45	Pass
				24	22.65	-0.50	20.00	<=38.45	Pass
	12		0	21.14	-0.50	18.49	<=38.45	Pass	
			6	21.23	-0.50	18.58	<=38.45	Pass	
			13	21.26	-0.50	18.61	<=38.45	Pass	
	25		0	21.16	-0.50	18.51	<=38.45	Pass	
	846.5	1	0	22.28	-0.50	19.63	<=38.45	Pass	
			13	22.23	-0.50	19.58	<=38.45	Pass	
			24	22.28	-0.50	19.63	<=38.45	Pass	
		12	0	21.24	-0.50	18.59	<=38.45	Pass	
			6	21.33	-0.50	18.68	<=38.45	Pass	
			13	21.29	-0.50	18.64	<=38.45	Pass	
		25	0	21.16	-0.50	18.51	<=38.45	Pass	
		256QAM	826.5	1	0	18.00	-0.50	15.35	<=38.45
	13				17.99	-0.50	15.34	<=38.45	Pass
24	17.87				-0.50	15.22	<=38.45	Pass	
12	0			18.13	-0.50	15.48	<=38.45	Pass	
	6			18.18	-0.50	15.53	<=38.45	Pass	
	13			18.13	-0.50	15.48	<=38.45	Pass	
25	0			18.12	-0.50	15.47	<=38.45	Pass	
836.5	1		0	18.31	-0.50	15.66	<=38.45	Pass	
			13	18.28	-0.50	15.63	<=38.45	Pass	
			24	18.05	-0.50	15.40	<=38.45	Pass	
	12		0	18.18	-0.50	15.53	<=38.45	Pass	
			6	18.14	-0.50	15.49	<=38.45	Pass	
			13	18.30	-0.50	15.65	<=38.45	Pass	
	25		0	18.10	-0.50	15.45	<=38.45	Pass	
846.5	1		0	18.25	-0.50	15.60	<=38.45	Pass	
			13	18.39	-0.50	15.74	<=38.45	Pass	
			24	18.23	-0.50	15.58	<=38.45	Pass	
	12		0	18.20	-0.50	15.55	<=38.45	Pass	
			6	18.31	-0.50	15.66	<=38.45	Pass	
			13	18.20	-0.50	15.55	<=38.45	Pass	
	25		0	18.22	-0.50	15.57	<=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	23.19	-0.50	20.54	<=38.45	Pass
			25	23.29	-0.50	20.64	<=38.45	Pass
			49	22.98	-0.50	20.33	<=38.45	Pass
		25	0	22.10	-0.50	19.45	<=38.45	Pass
			13	22.16	-0.50	19.51	<=38.45	Pass
			25	22.22	-0.50	19.57	<=38.45	Pass

		50	0	22.20	-0.50	19.55	<=38.45	Pass	
		836.5	1	0	23.21	-0.50	20.56	<=38.45	Pass
				25	23.35	-0.50	20.70	<=38.45	Pass
				49	23.05	-0.50	20.40	<=38.45	Pass
			25	0	22.18	-0.50	19.53	<=38.45	Pass
				13	22.14	-0.50	19.49	<=38.45	Pass
				25	22.19	-0.50	19.54	<=38.45	Pass
		50	0	22.12	-0.50	19.47	<=38.45	Pass	
		844	1	0	23.10	-0.50	20.45	<=38.45	Pass
				25	23.45	-0.50	20.80	<=38.45	Pass
				49	23.17	-0.50	20.52	<=38.45	Pass
			25	0	22.23	-0.50	19.58	<=38.45	Pass
				13	22.19	-0.50	19.54	<=38.45	Pass
				25	22.22	-0.50	19.57	<=38.45	Pass
		50	0	22.18	-0.50	19.53	<=38.45	Pass	
		16QAM	829	1	0	22.43	-0.50	19.78	<=38.45
25	22.33				-0.50	19.68	<=38.45	Pass	
49	21.88				-0.50	19.23	<=38.45	Pass	
25	0			21.16	-0.50	18.51	<=38.45	Pass	
	13			21.28	-0.50	18.63	<=38.45	Pass	
	25			21.21	-0.50	18.56	<=38.45	Pass	
50	0		21.21	-0.50	18.56	<=38.45	Pass		
836.5	1		0	22.30	-0.50	19.65	<=38.45	Pass	
			25	22.46	-0.50	19.81	<=38.45	Pass	
			49	22.09	-0.50	19.44	<=38.45	Pass	
	25		0	21.18	-0.50	18.53	<=38.45	Pass	
			13	21.18	-0.50	18.53	<=38.45	Pass	
			25	21.20	-0.50	18.55	<=38.45	Pass	
50	0		21.11	-0.50	18.46	<=38.45	Pass		
844	1		0	21.95	-0.50	19.30	<=38.45	Pass	
			25	22.77	-0.50	20.12	<=38.45	Pass	
			49	22.13	-0.50	19.48	<=38.45	Pass	
	25		0	21.33	-0.50	18.68	<=38.45	Pass	
			13	21.27	-0.50	18.62	<=38.45	Pass	
			25	21.33	-0.50	18.68	<=38.45	Pass	
	50		0	21.28	-0.50	18.63	<=38.45	Pass	
	64QAM		829	1	0	21.93	-0.50	19.28	<=38.45
25					22.26	-0.50	19.61	<=38.45	Pass
49					21.21	-0.50	18.56	<=38.45	Pass
25		0		21.13	-0.50	18.48	<=38.45	Pass	
		13		21.27	-0.50	18.62	<=38.45	Pass	
		25		21.10	-0.50	18.45	<=38.45	Pass	
50		0	21.19	-0.50	18.54	<=38.45	Pass		
836.5		1	0	22.14	-0.50	19.49	<=38.45	Pass	
			25	22.29	-0.50	19.64	<=38.45	Pass	
			49	22.13	-0.50	19.48	<=38.45	Pass	
		25	0	21.19	-0.50	18.54	<=38.45	Pass	
			13	21.19	-0.50	18.54	<=38.45	Pass	
			25	21.19	-0.50	18.54	<=38.45	Pass	
50		0	21.19	-0.50	18.54	<=38.45	Pass		
844		1	0	22.28	-0.50	19.63	<=38.45	Pass	
			25	21.26	-0.50	18.61	<=38.45	Pass	
			49	21.90	-0.50	19.25	<=38.45	Pass	
		25	0	21.30	-0.50	18.65	<=38.45	Pass	
	13		21.29	-0.50	18.64	<=38.45	Pass		
	25		21.31	-0.50	18.66	<=38.45	Pass		
50	0	21.19	-0.50	18.54	<=38.45	Pass			
256QAM	829	1	0	18.11	-0.50	15.46	<=38.45	Pass	
			25	18.27	-0.50	15.62	<=38.45	Pass	

			49	17.86	-0.50	15.21	<=38.45	Pass
		25	0	18.10	-0.50	15.45	<=38.45	Pass
			13	18.19	-0.50	15.54	<=38.45	Pass
			25	18.18	-0.50	15.53	<=38.45	Pass
		50	0	18.14	-0.50	15.49	<=38.45	Pass
	836.5	1	0	18.13	-0.50	15.48	<=38.45	Pass
			25	18.14	-0.50	15.49	<=38.45	Pass
			49	18.14	-0.50	15.49	<=38.45	Pass
		25	0	18.04	-0.50	15.39	<=38.45	Pass
			13	18.17	-0.50	15.52	<=38.45	Pass
			25	18.19	-0.50	15.54	<=38.45	Pass
		50	0	18.20	-0.50	15.55	<=38.45	Pass
		844	1	0	18.17	-0.50	15.52	<=38.45
	25			18.47	-0.50	15.82	<=38.45	Pass
	49			18.28	-0.50	15.63	<=38.45	Pass
	25		0	18.28	-0.50	15.63	<=38.45	Pass
			13	18.21	-0.50	15.56	<=38.45	Pass
			25	18.28	-0.50	15.63	<=38.45	Pass
	50		0	18.23	-0.50	15.58	<=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	-0.800	-0.0010	-2.5 to 2.5	Pass
					NV	-0.800	-0.0010	-2.5 to 2.5	Pass
					HV	-1.300	-0.0016	-2.5 to 2.5	Pass
				-30	NV	-0.700	-0.0008	-2.5 to 2.5	Pass
				-20	NV	-2.500	-0.0030	-2.5 to 2.5	Pass
				-10	NV	-0.900	-0.0011	-2.5 to 2.5	Pass
				0	NV	-0.800	-0.0010	-2.5 to 2.5	Pass
				10	NV	-0.700	-0.0008	-2.5 to 2.5	Pass
				30	NV	-0.900	-0.0011	-2.5 to 2.5	Pass
				40	NV	-1.400	-0.0017	-2.5 to 2.5	Pass
				50	NV	-3.400	-0.0041	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

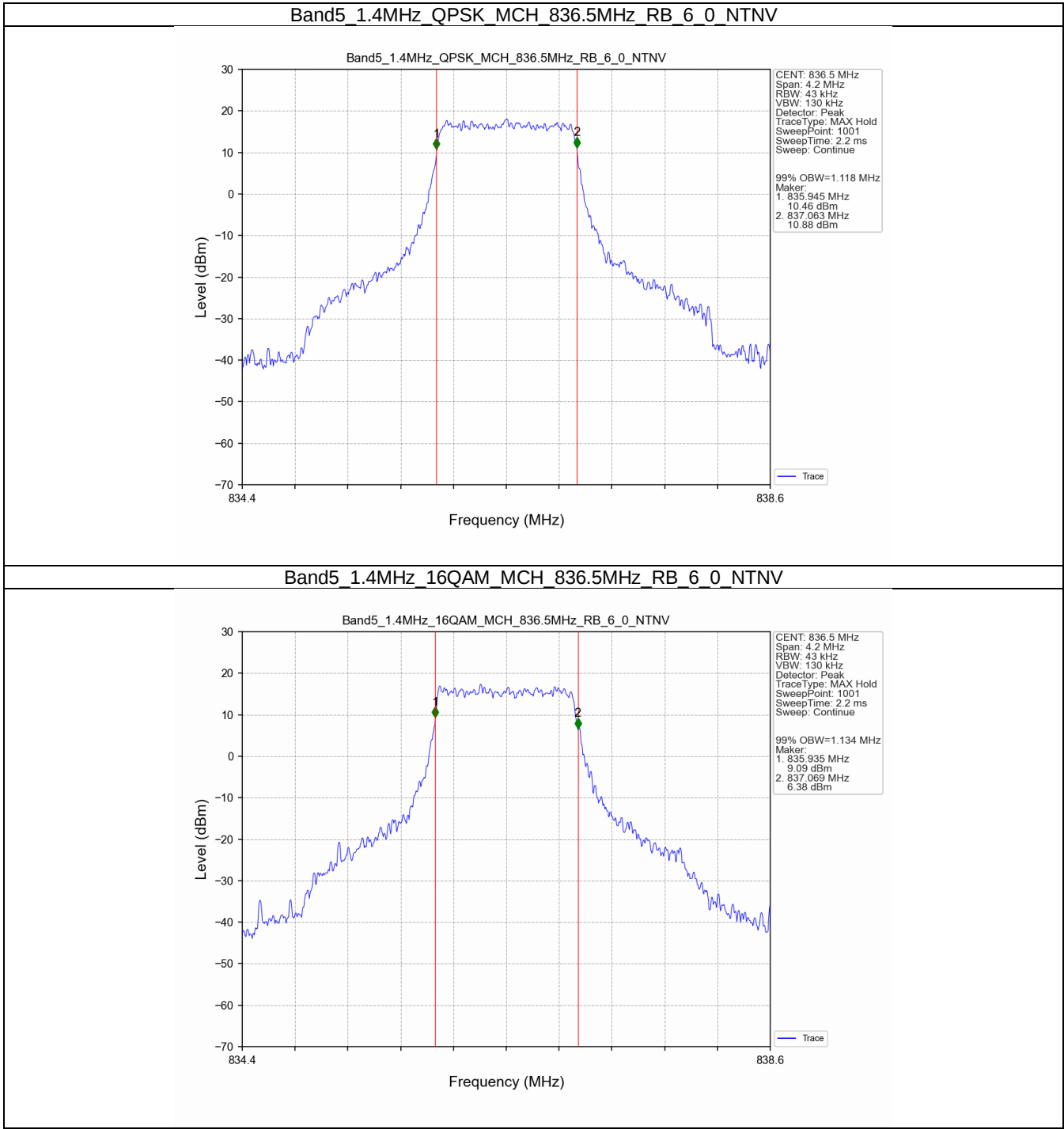
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.118	/	Pass
	16QAM	836.5	6	0	1.134	/	Pass
3	QPSK	836.5	15	0	2.750	/	Pass
	16QAM	836.5	15	0	2.743	/	Pass
5	QPSK	836.5	25	0	4.550	/	Pass
	16QAM	836.5	25	0	4.554	/	Pass
10	QPSK	836.5	50	0	9.036	/	Pass
	16QAM	836.5	50	0	9.053	/	Pass

3.1.2 Band5_XDB

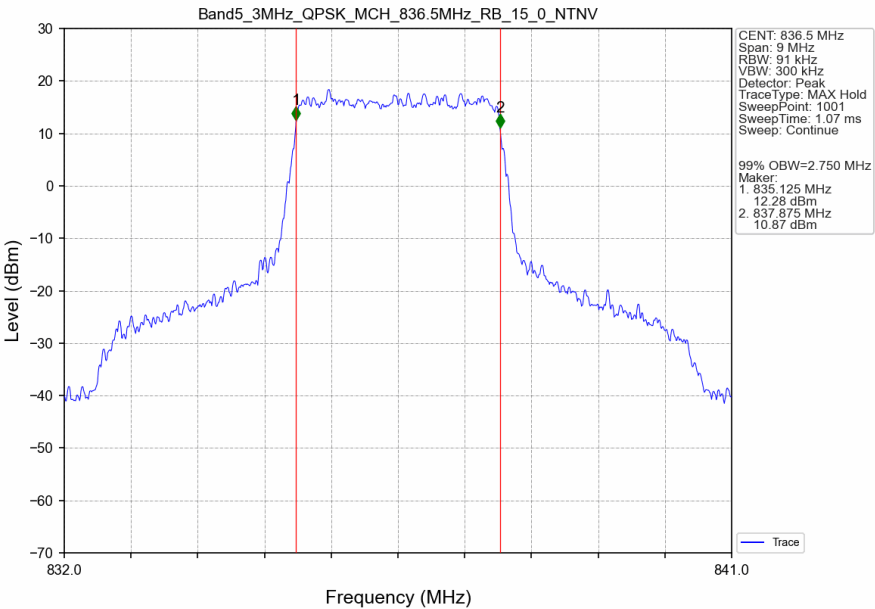
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.403	/	Pass
	16QAM	836.5	6	0	1.436	/	Pass
3	QPSK	836.5	15	0	3.104	/	Pass
	16QAM	836.5	15	0	3.096	/	Pass
5	QPSK	836.5	25	0	5.242	/	Pass
	16QAM	836.5	25	0	5.234	/	Pass
10	QPSK	836.5	50	0	10.246	/	Pass
	16QAM	836.5	50	0	10.084	/	Pass

3.2 Test Graph

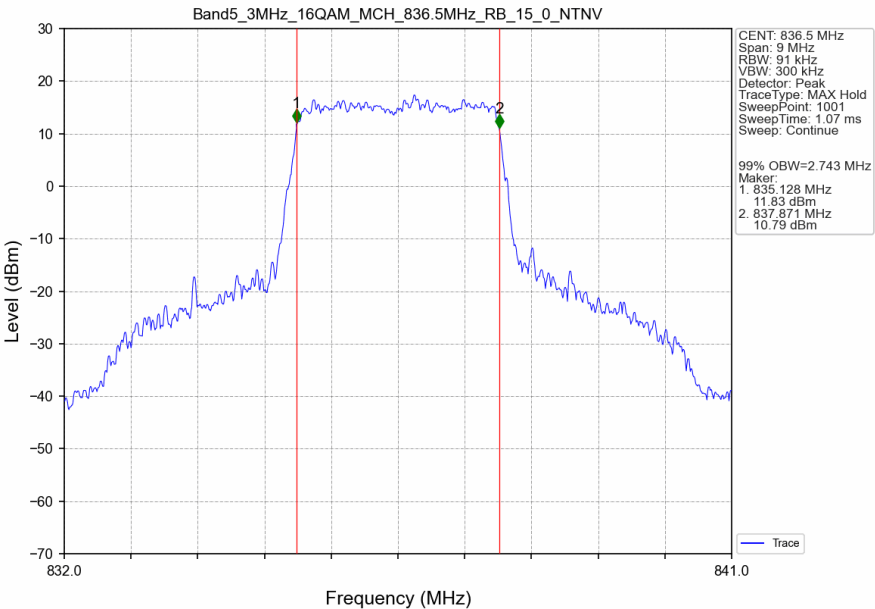
3.2.1 Band5_OBW



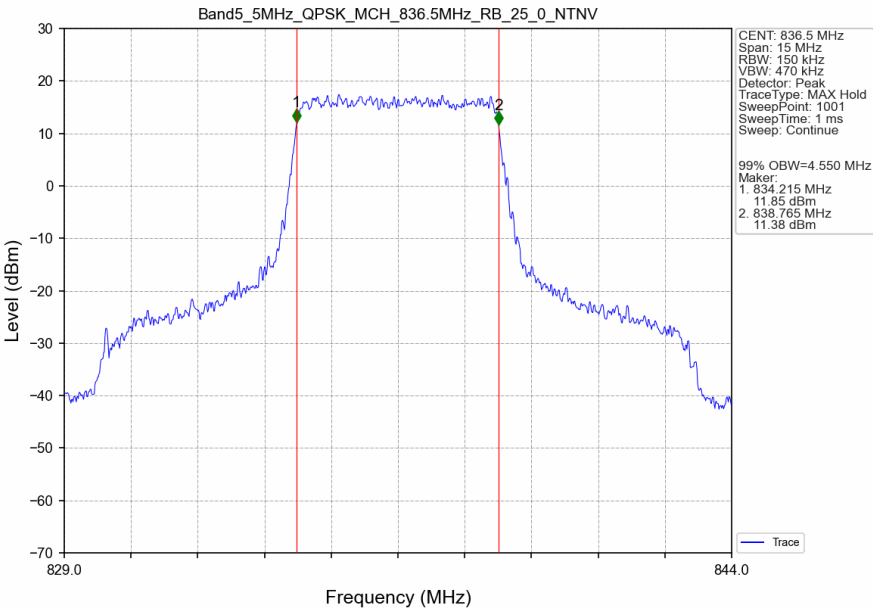
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



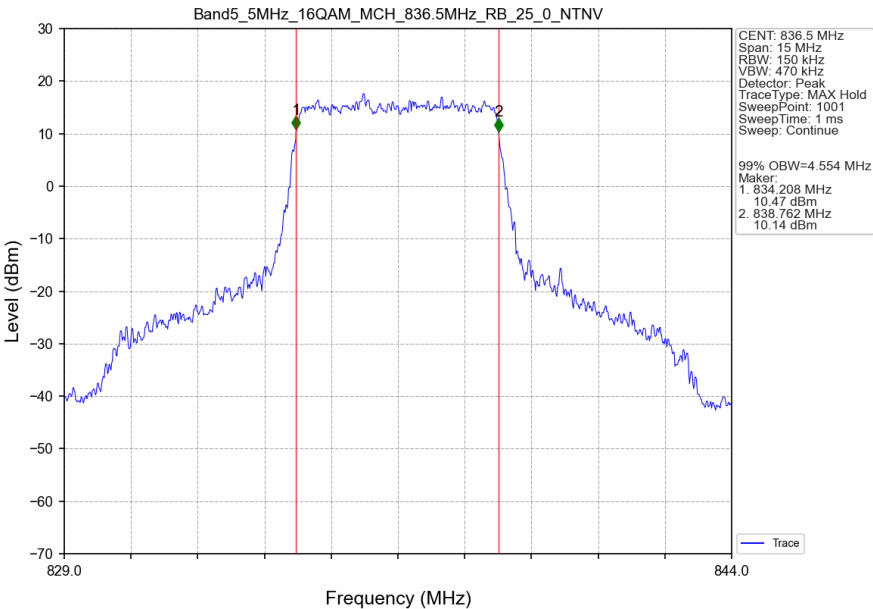
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



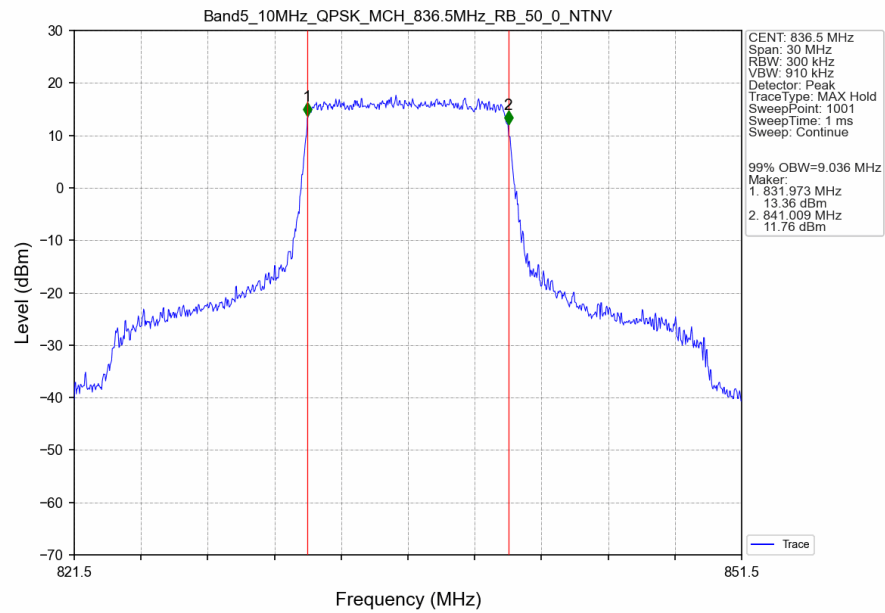
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



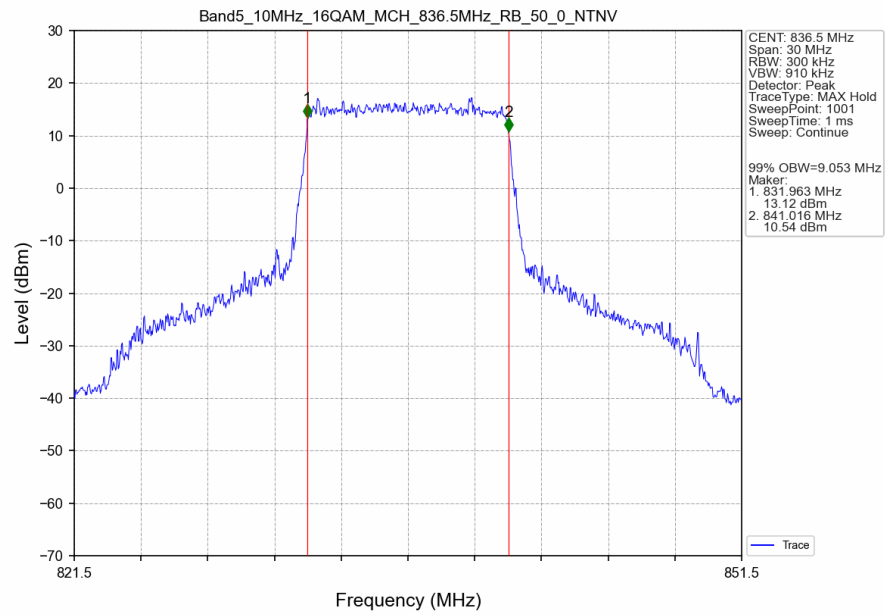
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



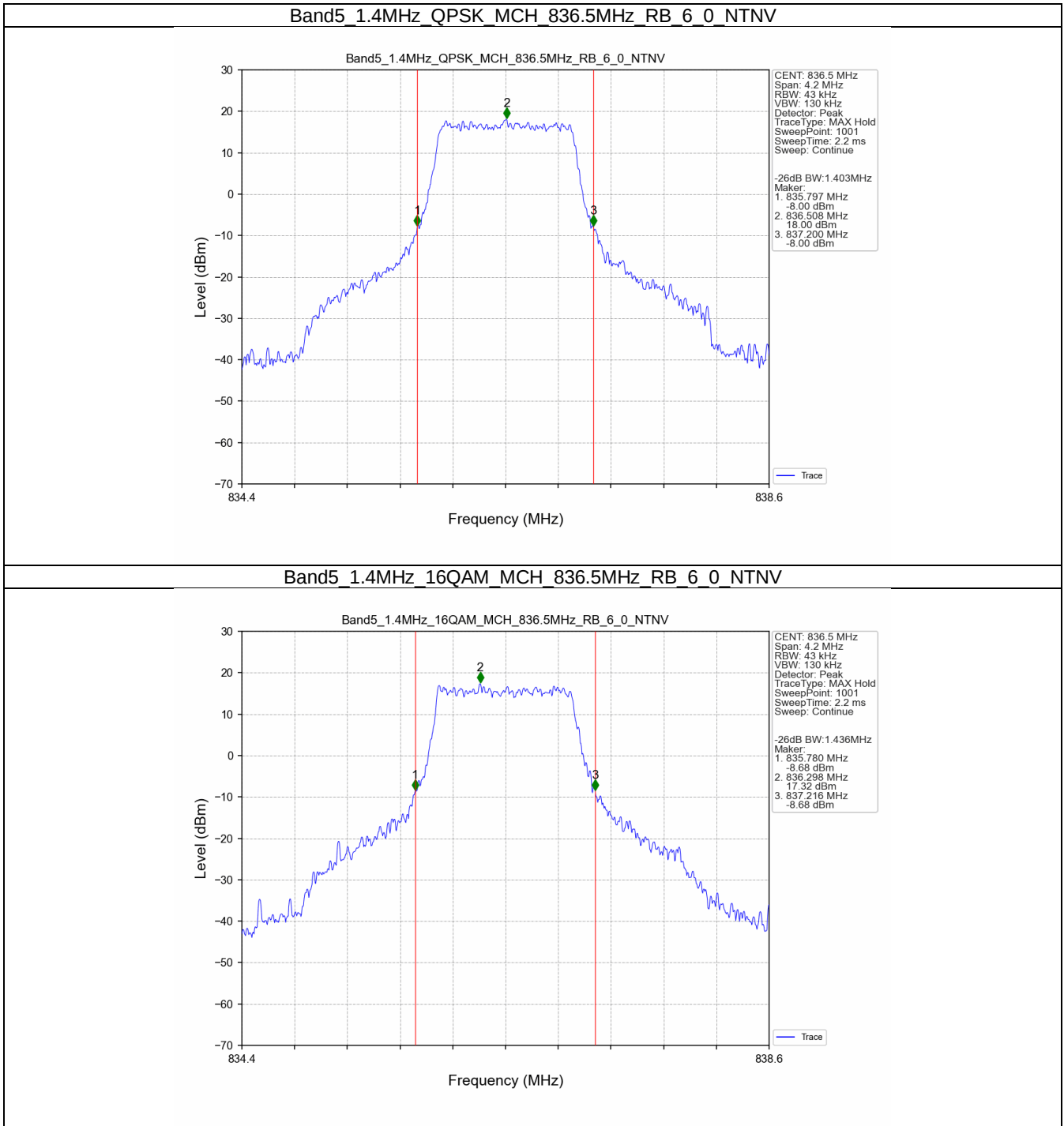
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



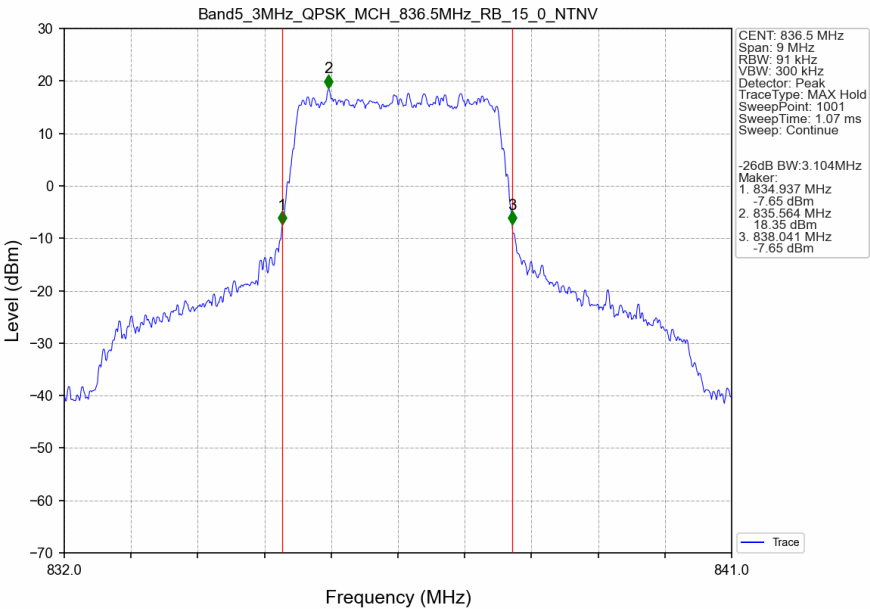
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



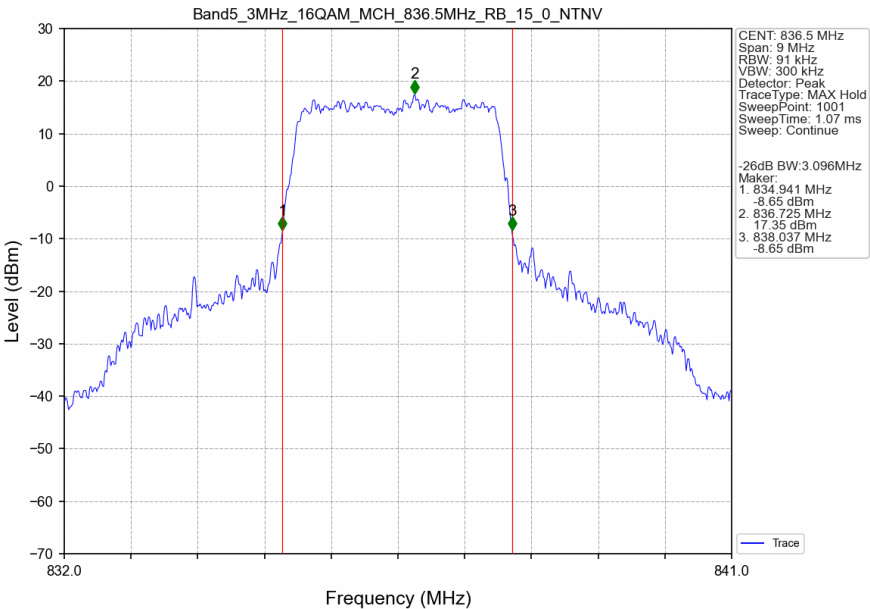
3.2.2 Band5_XDB



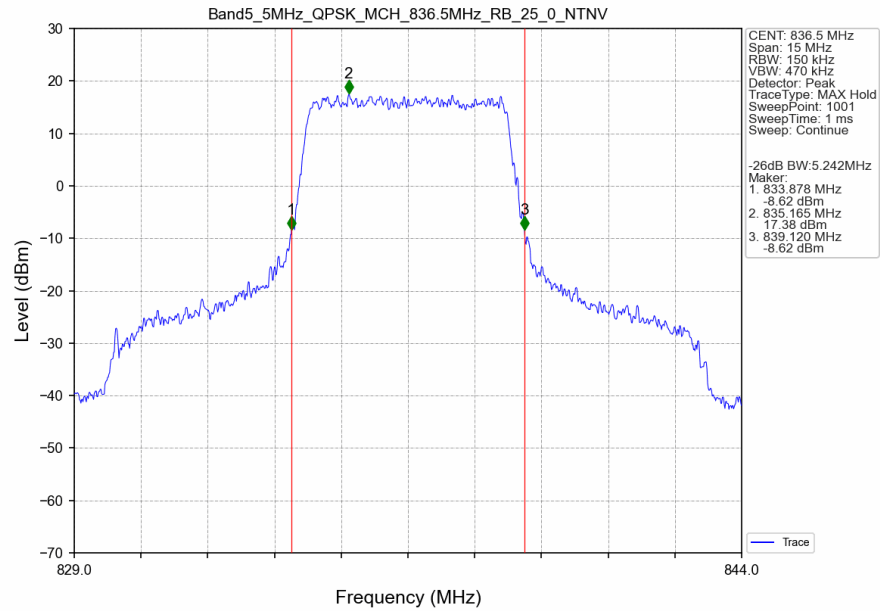
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



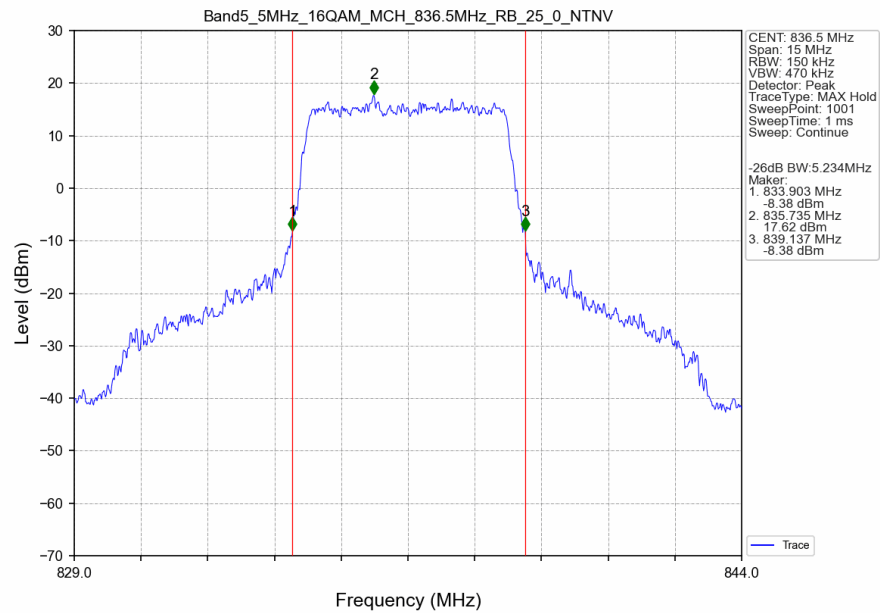
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



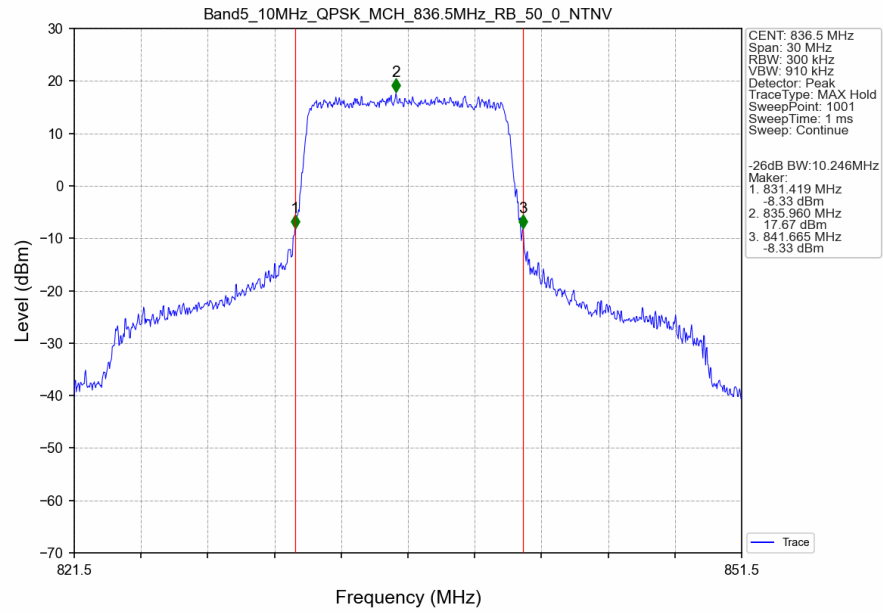
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



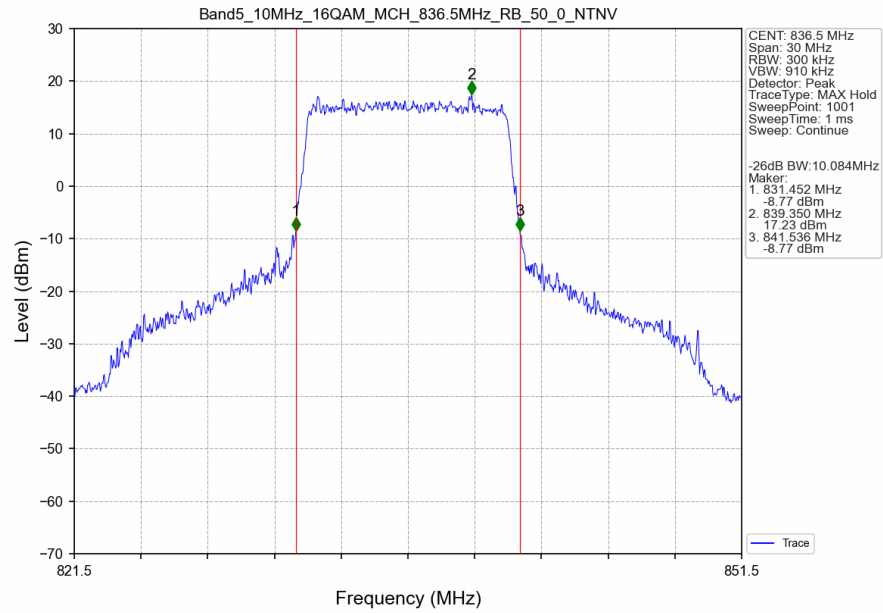
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



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



4. Peak-Average Ratio

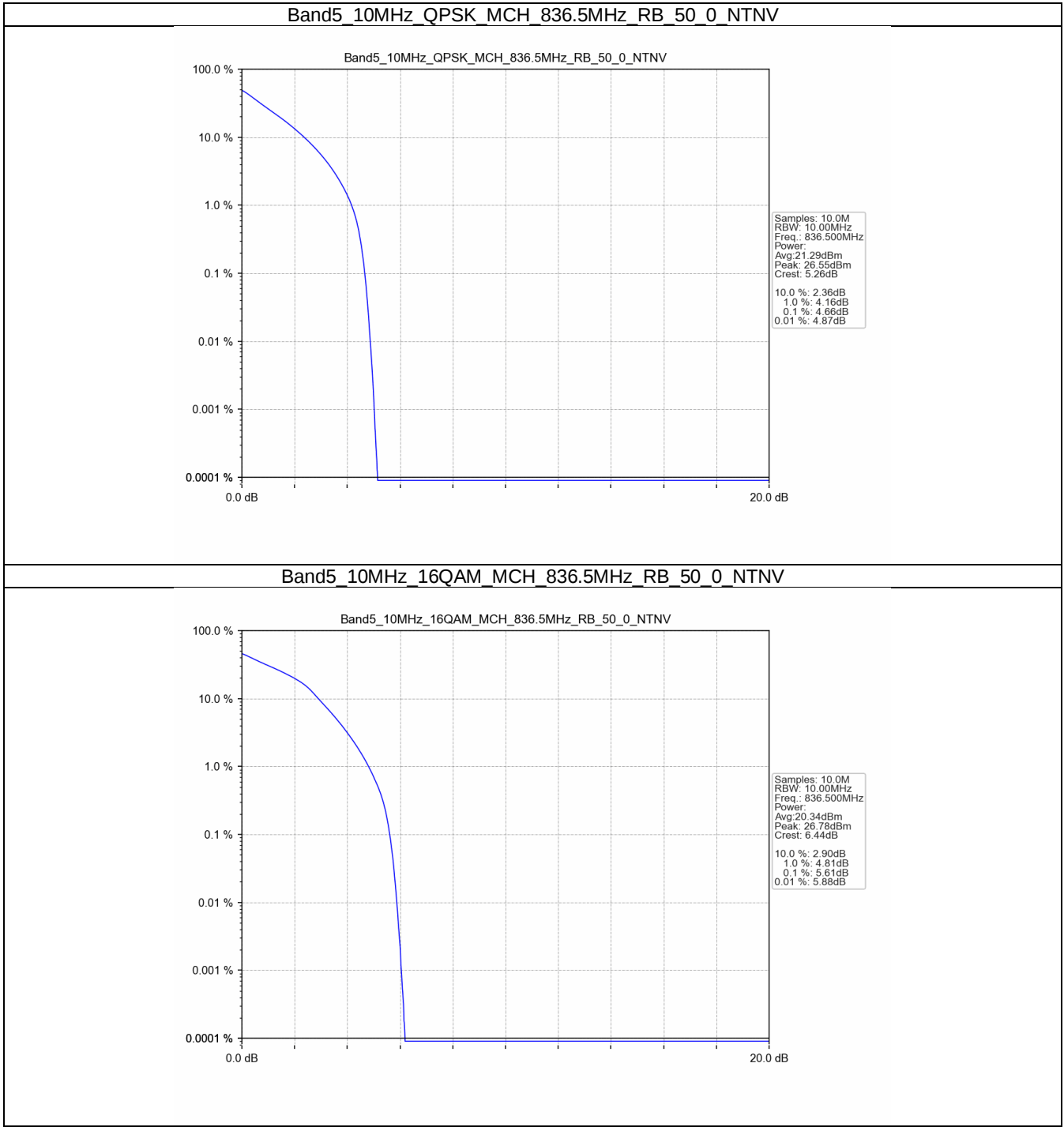
4.1 Test Result

4.1.1 B5_10MHz

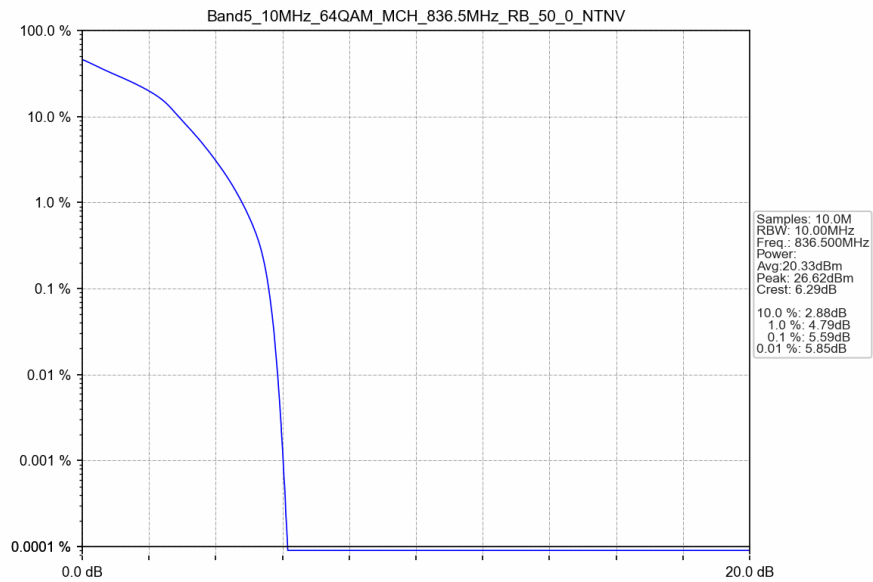
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.66	<=13	Pass
16QAM	836.5	50	0	5.61	<=13	Pass
64QAM	836.5	50	0	5.59	<=13	Pass
256QAM	836.5	50	0	6.45	<=13	Pass

4.2 Test Graph

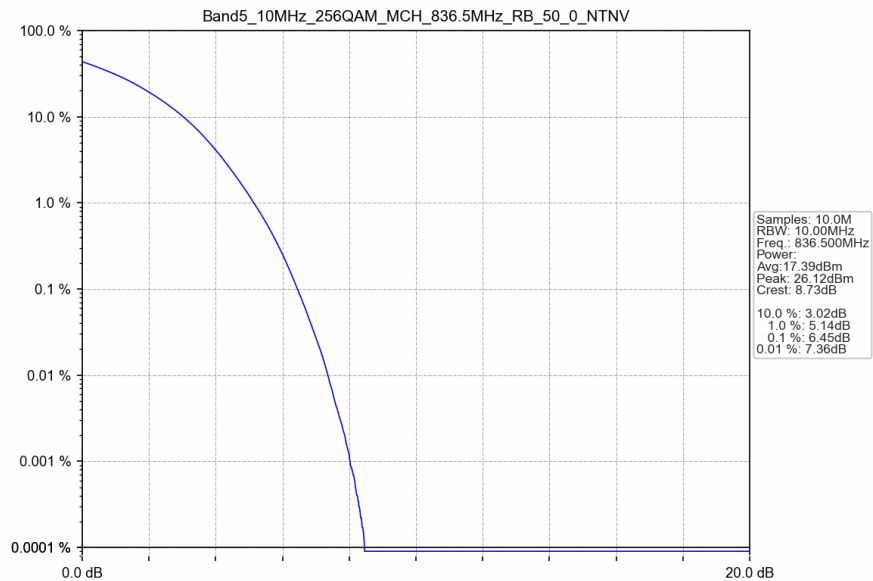
4.2.1 B5_10MHz



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 / 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

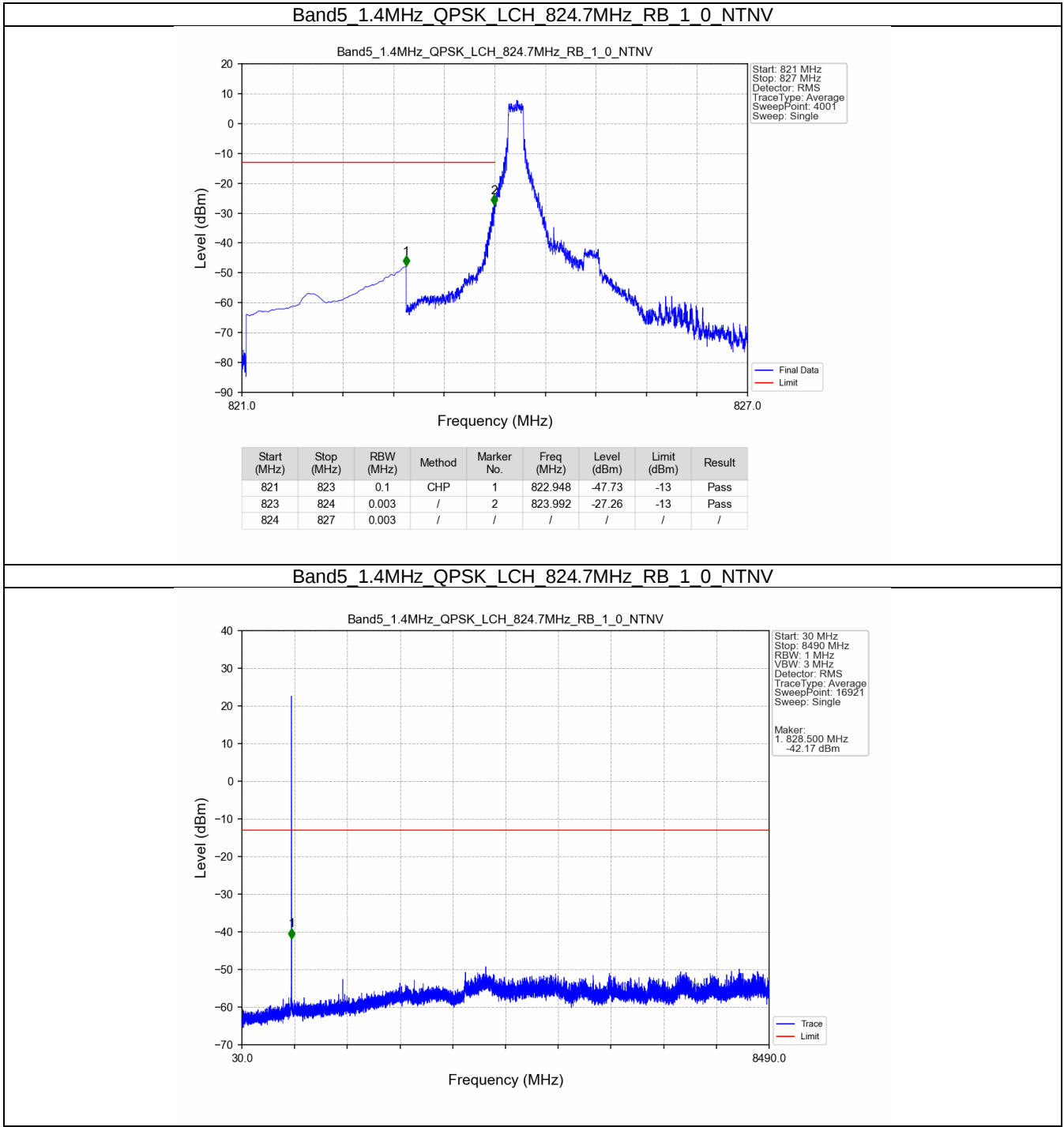
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

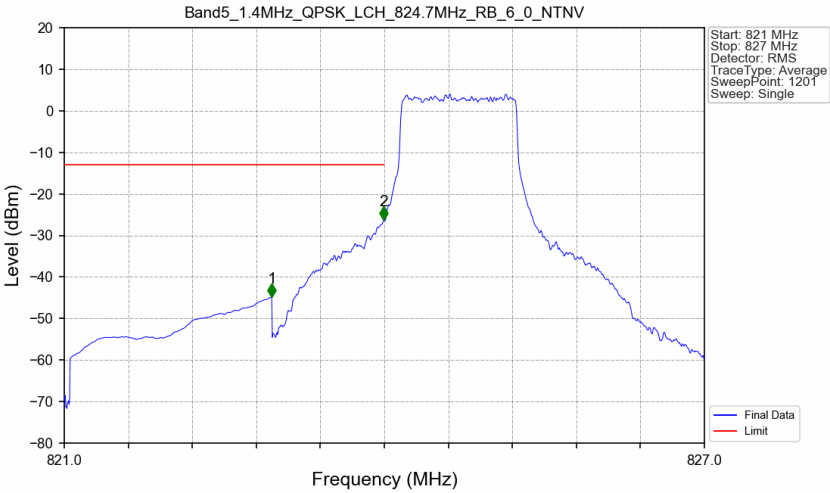
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

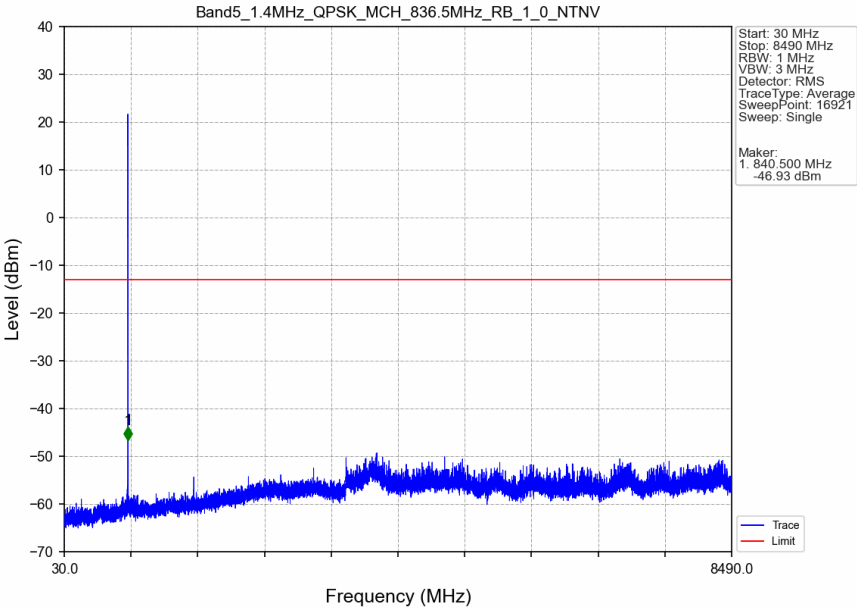


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

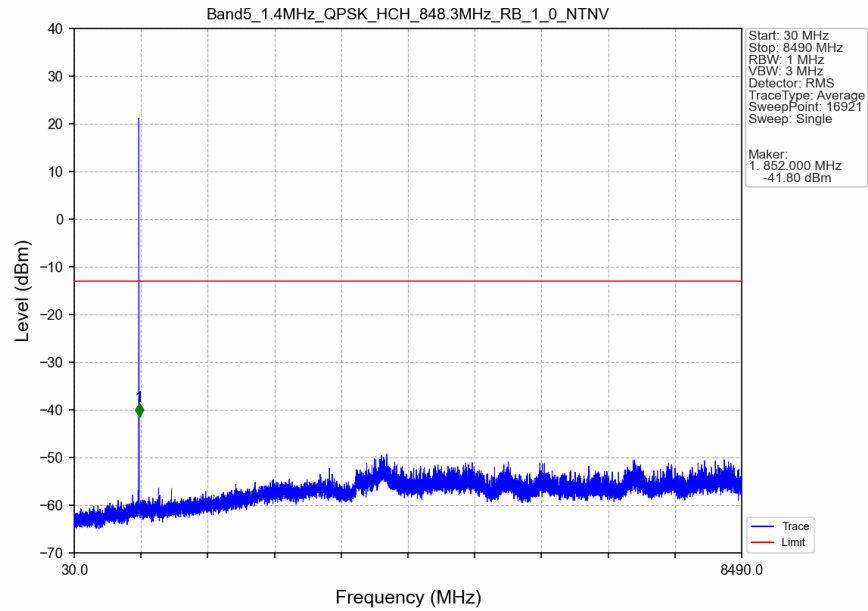


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-44.76	-13	Pass
823	824	0.014	CHP	2	823.995	-26.20	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

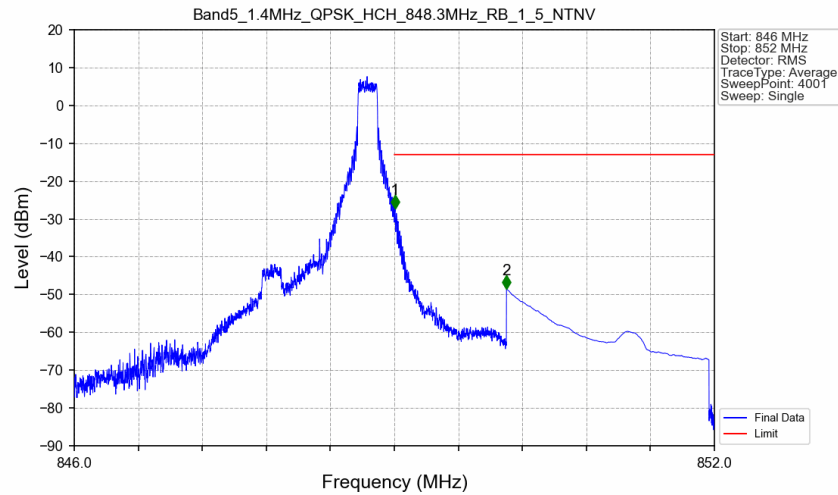
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTV

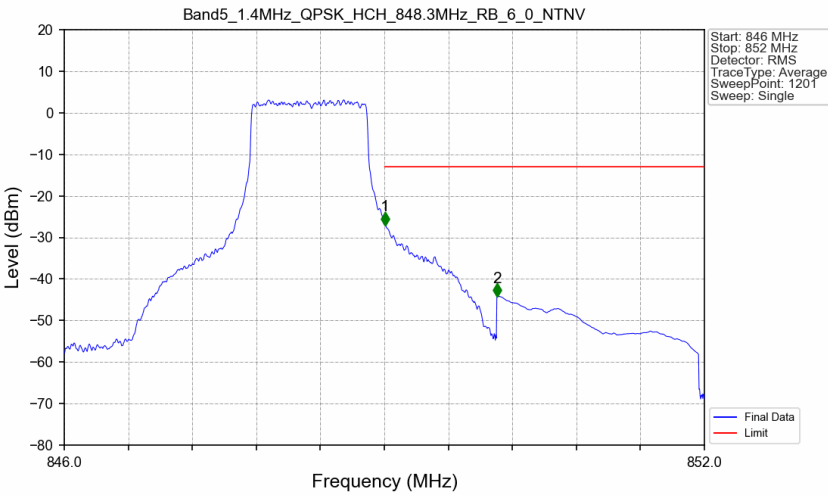


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTV



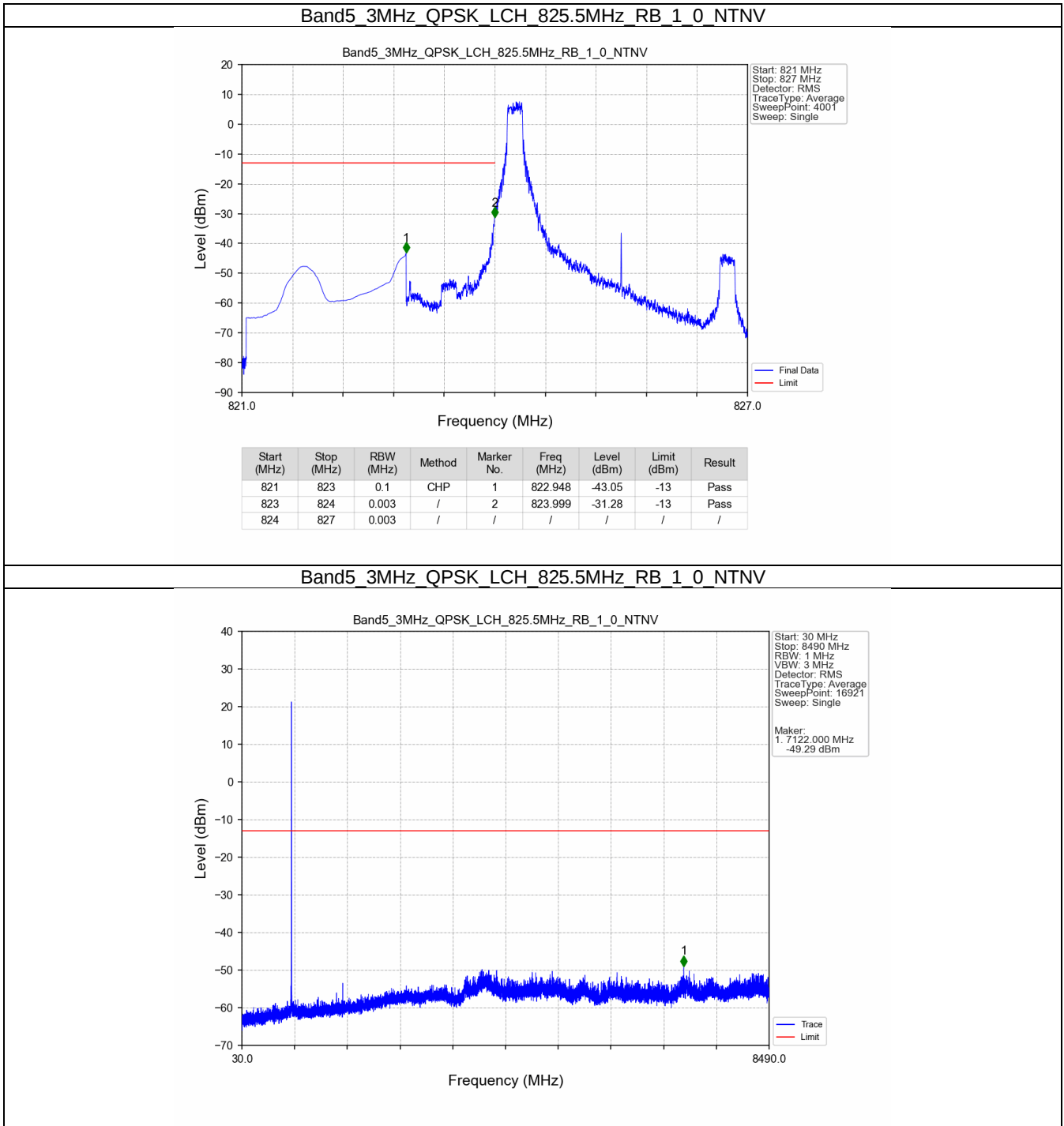
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-27.17	-13	Pass
850	852	0.1	CHP	2	850.052	-48.51	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

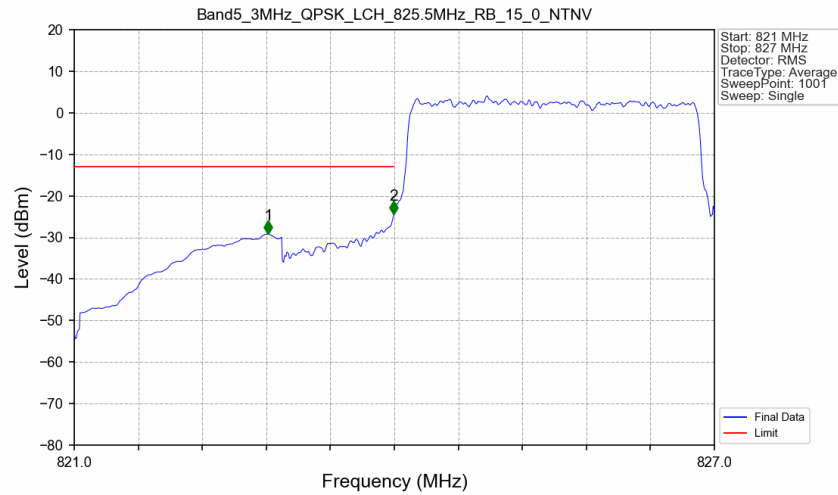


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.005	-27.03	-13	Pass
850	852	0.1	CHP	2	850.055	-44.16	-13	Pass

5.2.2 B5_3MHz

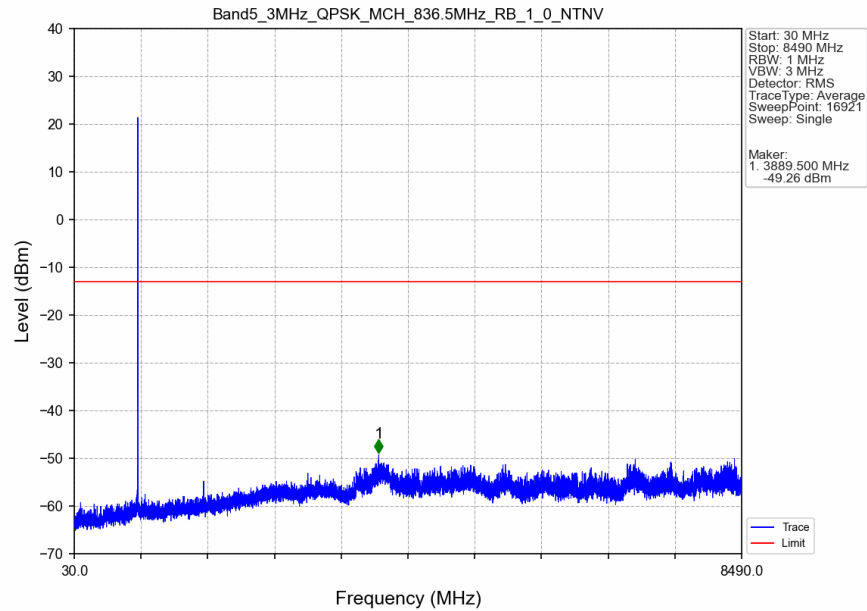


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

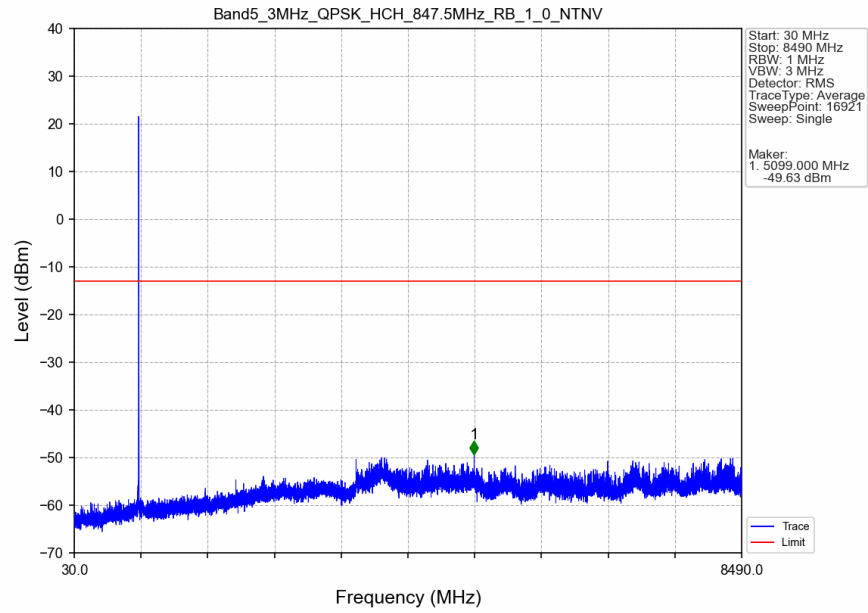


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.818	-29.21	-13	Pass
823	824	0.031	CHP	2	823.994	-24.36	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

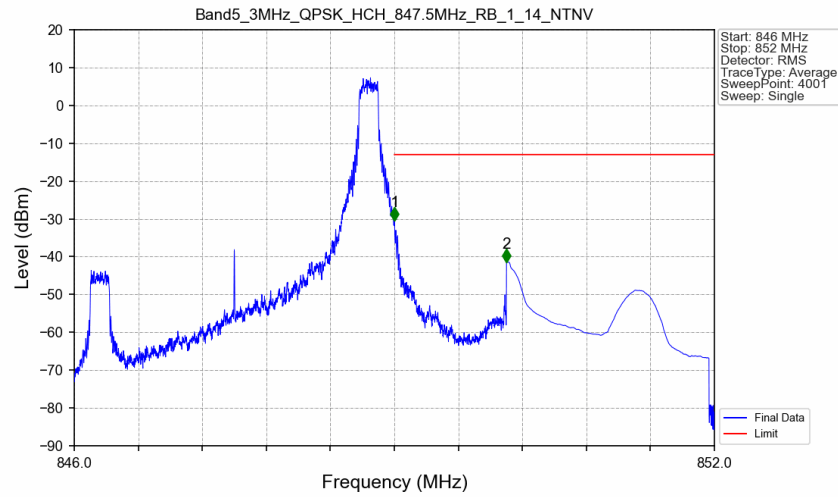
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

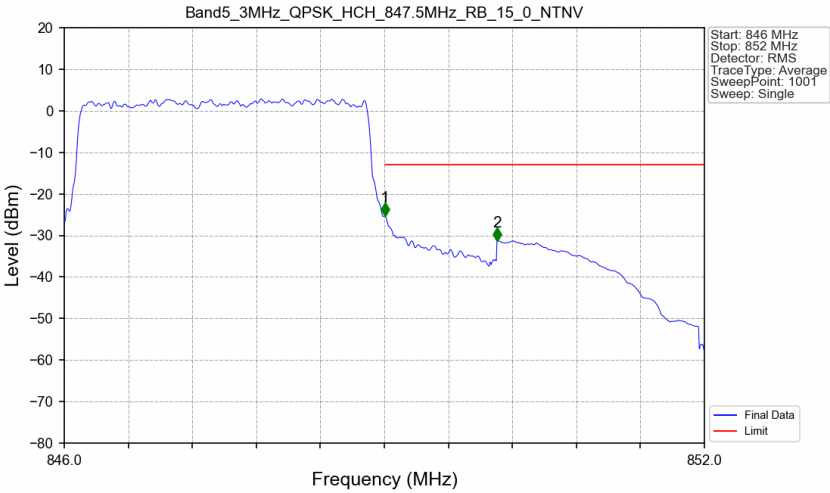


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



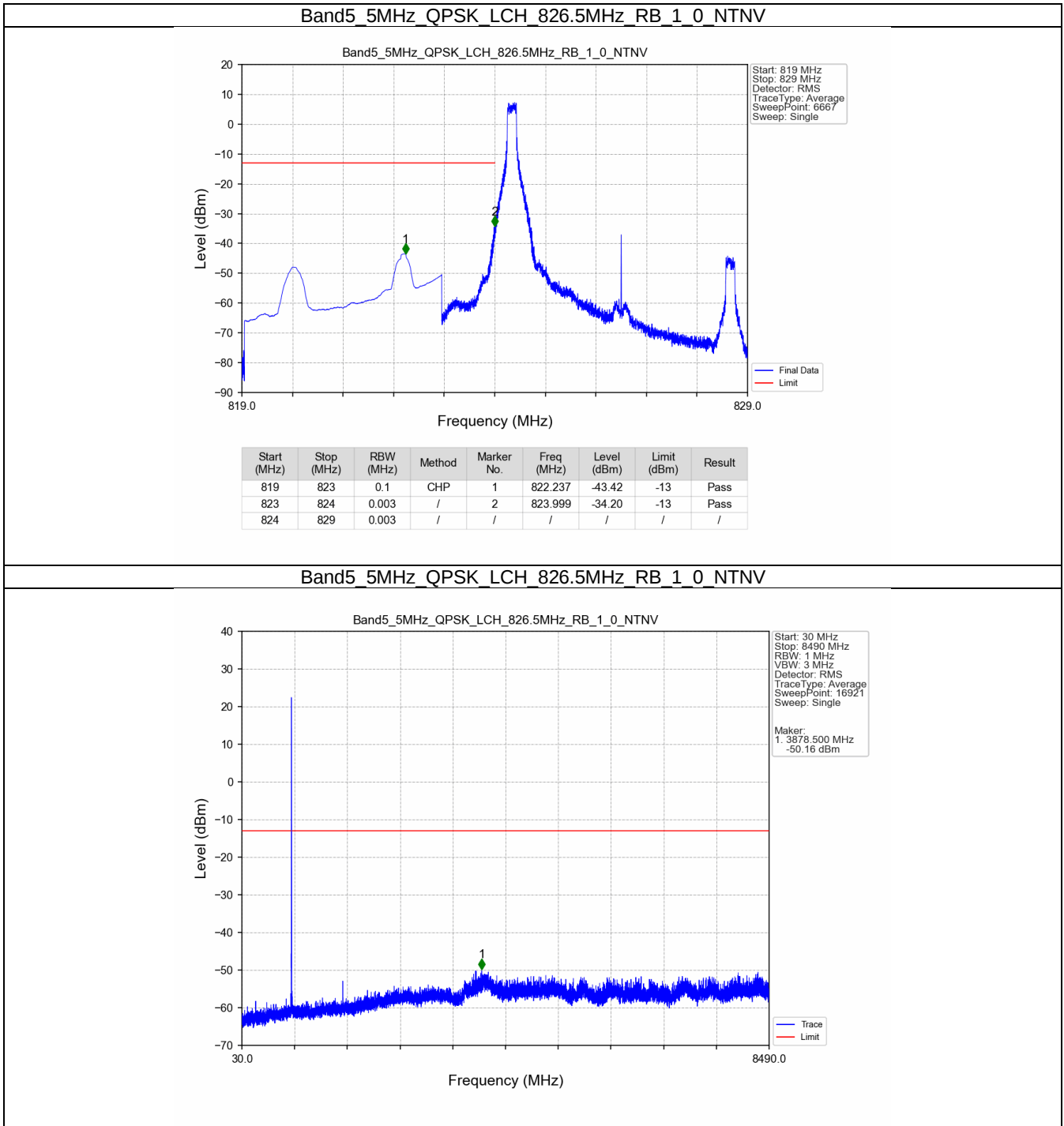
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.46	-13	Pass
850	852	0.1	CHP	2	850.053	-41.38	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

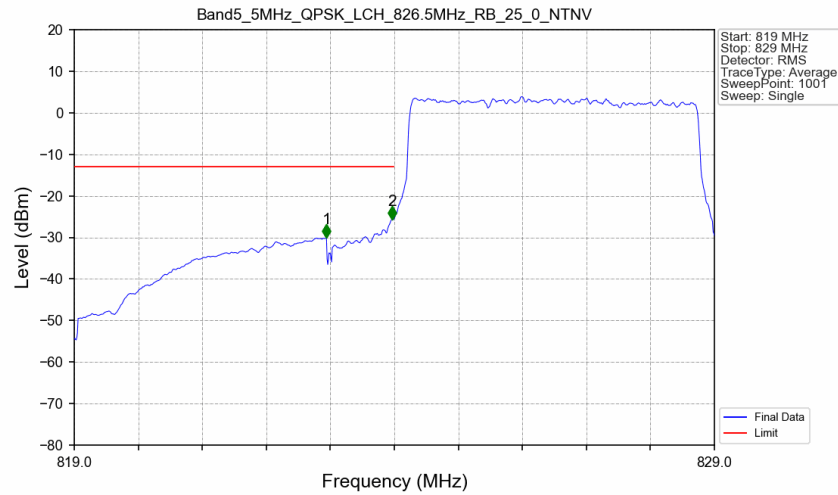


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-25.37	-13	Pass
850	852	0.1	CHP	2	850.056	-31.27	-13	Pass

5.2.3 B5_5MHz

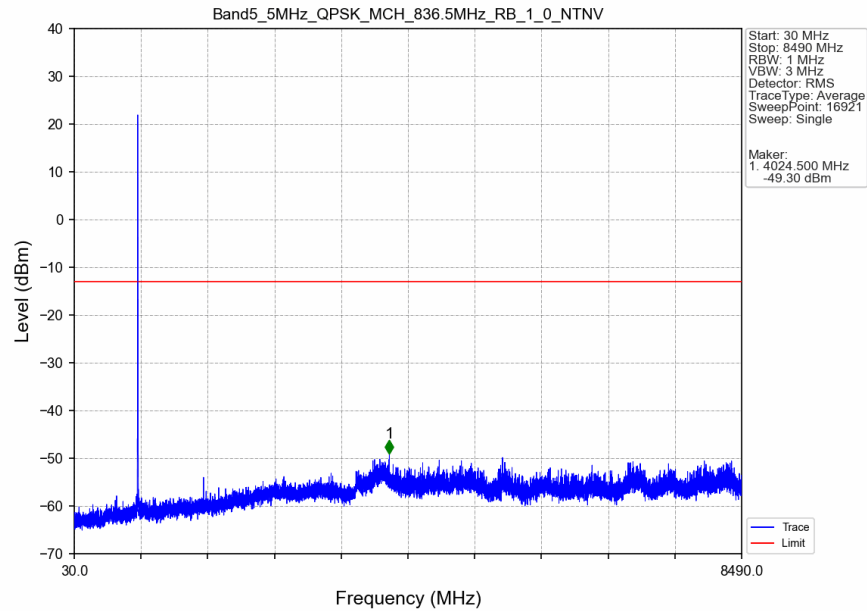


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

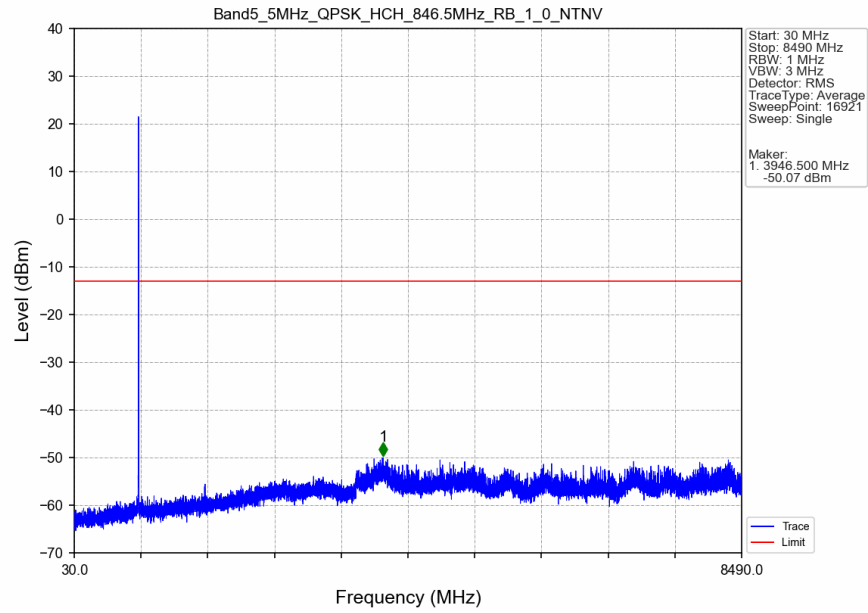


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-30.05	-13	Pass
823	824	0.052	CHP	2	823.970	-25.65	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

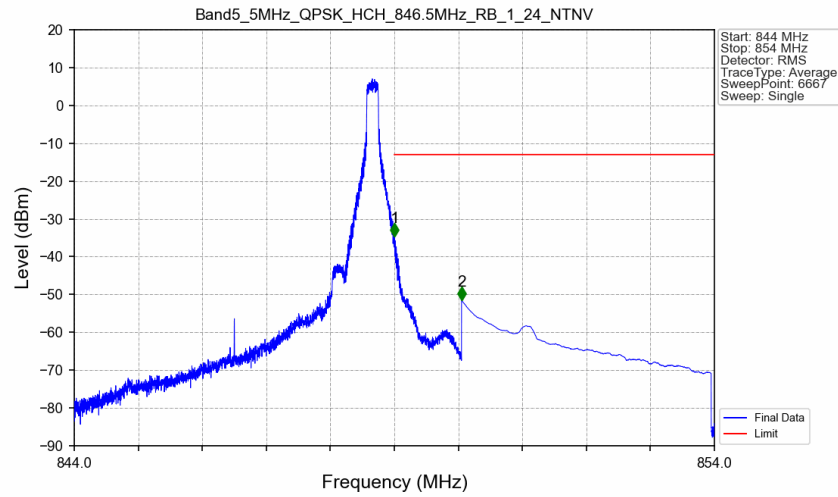
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

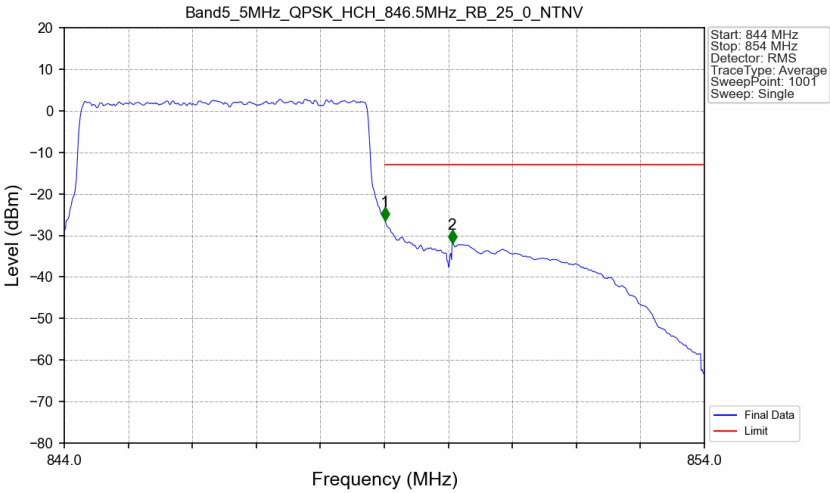


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



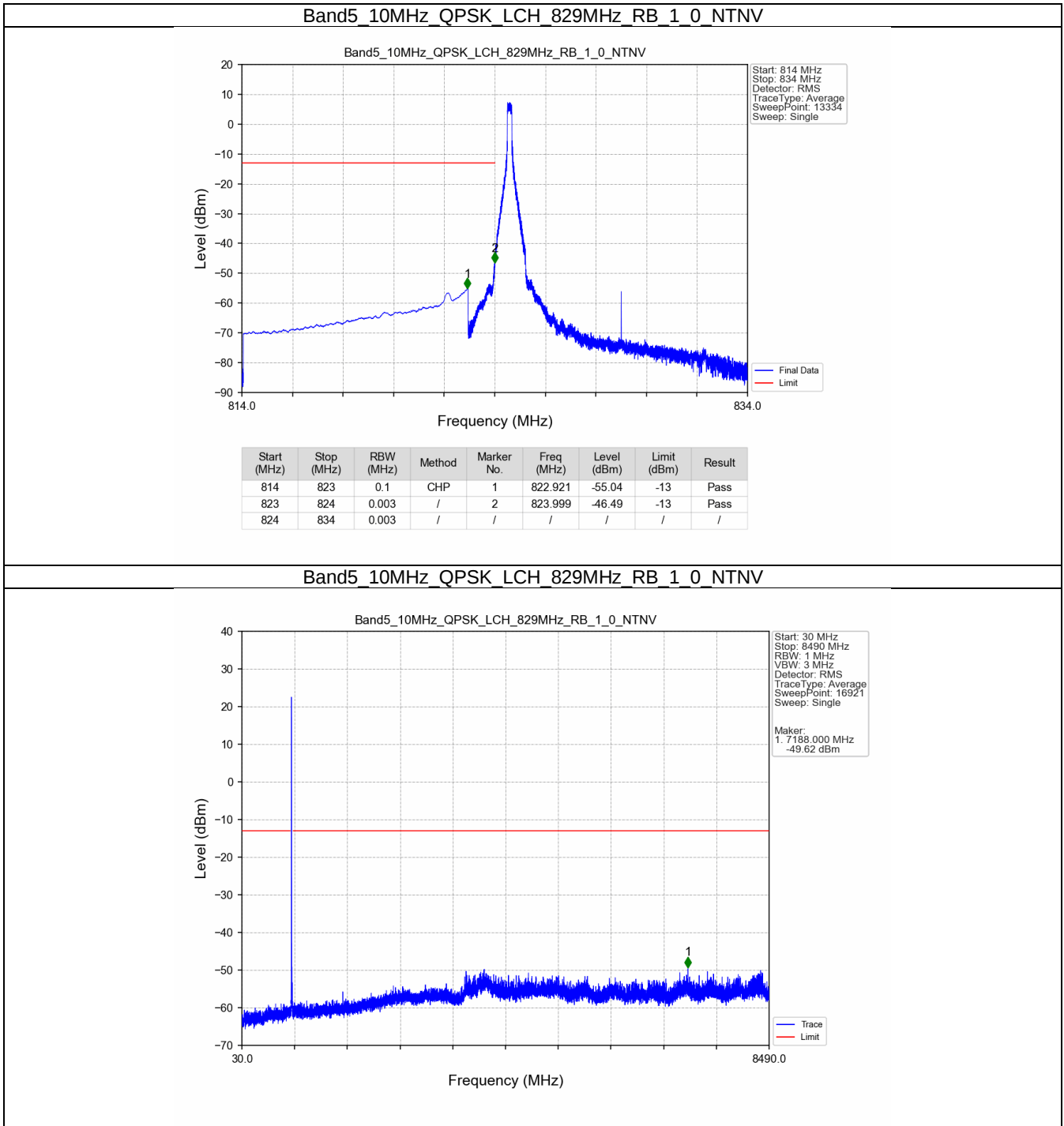
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-34.71	-13	Pass
850	854	0.1	CHP	2	850.050	-51.46	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

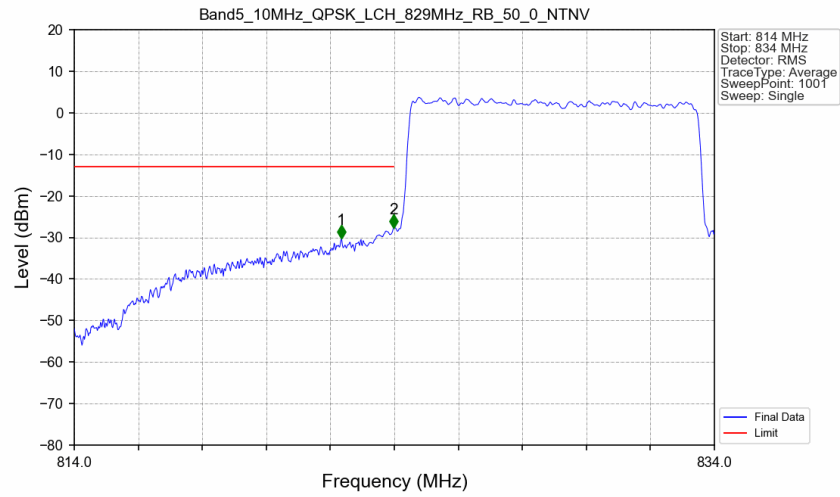


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.010	-26.38	-13	Pass
850	854	0.1	CHP	2	850.060	-31.81	-13	Pass

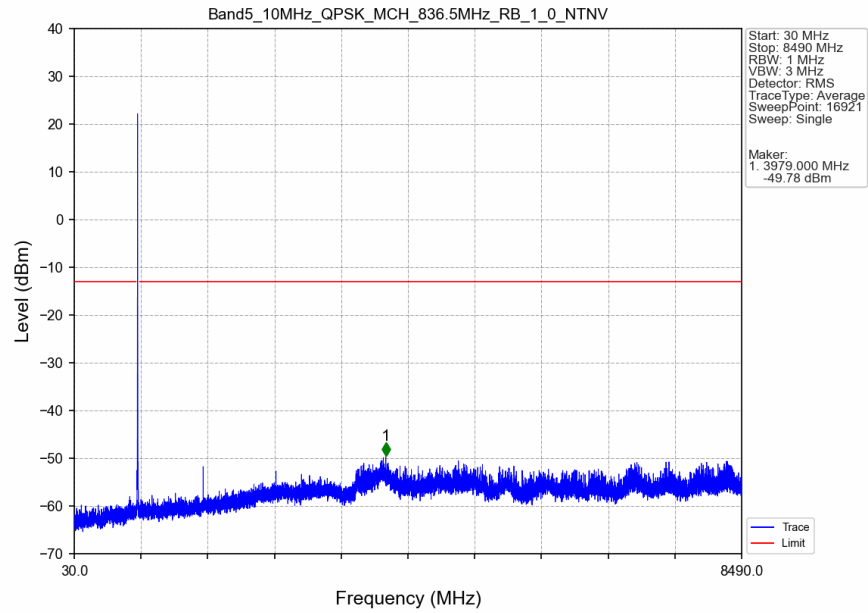
5.2.4 B5_10MHz



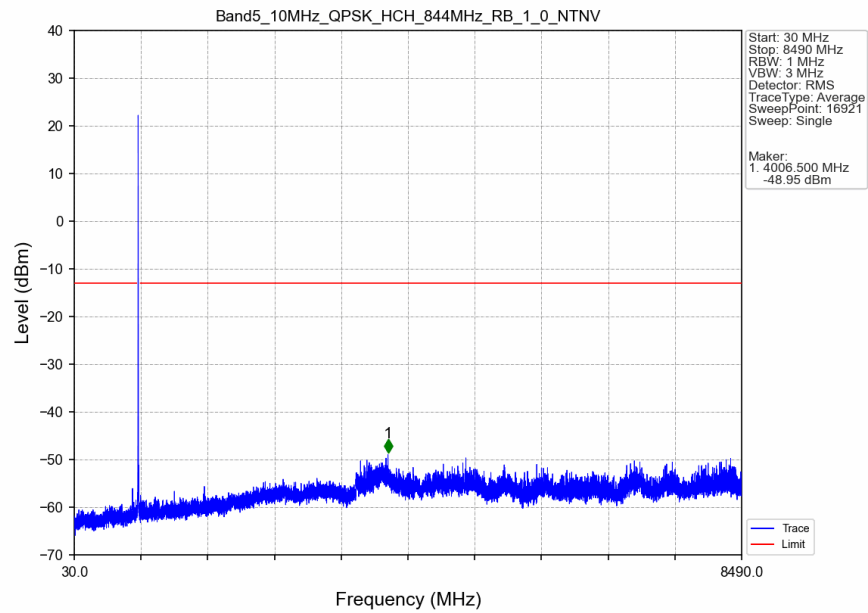
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



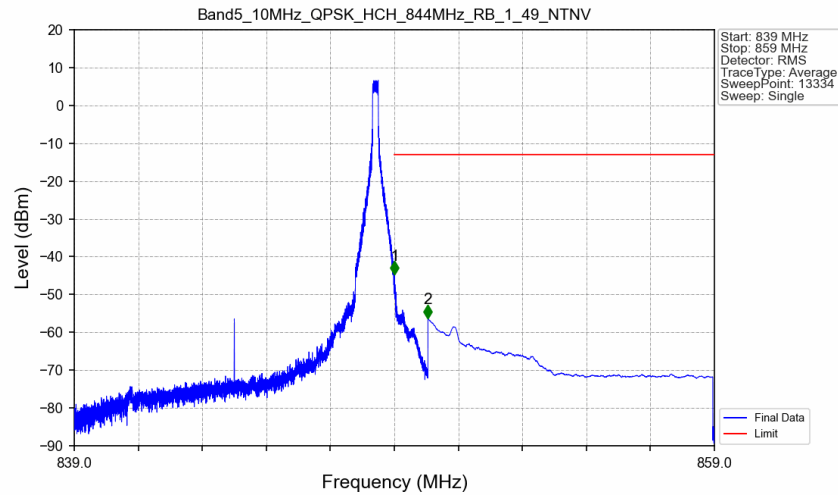
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

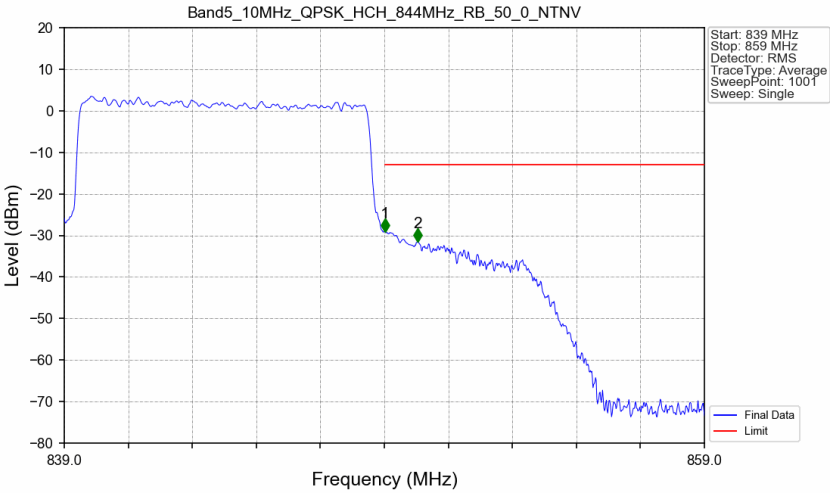


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



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	-44.62	-13	Pass
850	859	0.1	CHP	2	850.051	-56.18	-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	0.102	CHP	/	/	/	/	/
849	850	0.102	CHP	1	849.020	-29.07	-13	Pass
850	859	0.1	/	2	850.040	-31.53	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-62.67	-13	-49.67	-65.55	2.62	5.5	Horizontal	Pass
2473.5	-64.31	-13	-51.31	-67.01	3.06	5.76	Horizontal	Pass
3298.0	-59.72	-13	-46.72	-64.08	3.3	7.66	Horizontal	Pass
1649.0	-65.02	-13	-52.02	-67.9	2.62	5.5	Vertical	Pass
2473.5	-64.8	-13	-51.8	-67.5	3.06	5.76	Vertical	Pass
3298.0	-58.58	-13	-45.58	-62.94	3.3	7.66	Vertical	Pass

LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-65.31	-13	-52.31	-68.15	2.63	5.47	Horizontal	Pass
2496.0	-61.45	-13	-48.45	-64.18	3.08	5.81	Horizontal	Pass
3328.0	-58.23	-13	-45.23	-62.66	3.31	7.74	Horizontal	Pass
1664.0	-62.75	-13	-49.75	-65.59	2.63	5.47	Vertical	Pass
2496.0	-62.96	-13	-49.96	-65.69	3.08	5.81	Vertical	Pass
3328.0	-58.2	-13	-45.2	-62.63	3.31	7.74	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-63.27	-13	-50.27	-66.07	2.63	5.43	Horizontal	Pass
2518.5	-61.83	-13	-48.83	-64.61	3.08	5.86	Horizontal	Pass
3358.0	-59.25	-13	-46.25	-63.74	3.33	7.82	Horizontal	Pass
1679.0	-65.0	-13	-52.0	-67.8	2.63	5.43	Vertical	Pass
2518.5	-64.18	-13	-51.18	-66.96	3.08	5.86	Vertical	Pass
3358.0	-59.0	-13	-46.0	-63.49	3.33	7.82	Vertical	Pass