

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	24.37	-2.12	20.10	<=38.45	Pass
			2	24.37	-2.12	20.10	<=38.45	Pass
			5	24.34	-2.12	20.07	<=38.45	Pass
		3	0	24.32	-2.12	20.05	<=38.45	Pass
			2	24.32	-2.12	20.05	<=38.45	Pass
			3	24.32	-2.12	20.05	<=38.45	Pass
		6	0	23.37	-2.12	19.10	<=38.45	Pass
	836.5	1	0	24.29	-2.12	20.02	<=38.45	Pass
			2	24.35	-2.12	20.08	<=38.45	Pass
			5	24.31	-2.12	20.04	<=38.45	Pass
		3	0	24.30	-2.12	20.03	<=38.45	Pass
			2	24.32	-2.12	20.05	<=38.45	Pass
			3	24.30	-2.12	20.03	<=38.45	Pass
		6	0	23.33	-2.12	19.06	<=38.45	Pass
	848.3	1	0	24.31	-2.12	20.04	<=38.45	Pass
			2	24.36	-2.12	20.09	<=38.45	Pass
			5	24.39	-2.12	20.12	<=38.45	Pass
		3	0	24.18	-2.12	19.91	<=38.45	Pass
			2	24.17	-2.12	19.90	<=38.45	Pass
			3	24.13	-2.12	19.86	<=38.45	Pass
		6	0	23.24	-2.12	18.97	<=38.45	Pass
16QAM	824.7	1	0	23.42	-2.12	19.15	<=38.45	Pass
			2	23.46	-2.12	19.19	<=38.45	Pass
			5	23.44	-2.12	19.17	<=38.45	Pass
		3	0	23.33	-2.12	19.06	<=38.45	Pass
			2	23.38	-2.12	19.11	<=38.45	Pass
			3	23.37	-2.12	19.10	<=38.45	Pass
		6	0	22.39	-2.12	18.12	<=38.45	Pass
	836.5	1	0	23.32	-2.12	19.05	<=38.45	Pass
			2	23.44	-2.12	19.17	<=38.45	Pass
			5	23.41	-2.12	19.14	<=38.45	Pass
		3	0	23.35	-2.12	19.08	<=38.45	Pass
			2	23.40	-2.12	19.13	<=38.45	Pass
			3	23.37	-2.12	19.10	<=38.45	Pass
		6	0	22.34	-2.12	18.07	<=38.45	Pass
	848.3	1	0	23.23	-2.12	18.96	<=38.45	Pass
			2	23.39	-2.12	19.12	<=38.45	Pass
			5	23.25	-2.12	18.98	<=38.45	Pass
		3	0	23.19	-2.12	18.92	<=38.45	Pass
			2	23.18	-2.12	18.91	<=38.45	Pass
			3	23.18	-2.12	18.91	<=38.45	Pass
		6	0	22.15	-2.12	17.88	<=38.45	Pass
64QAM	824.7	1	0	22.49	-2.12	18.22	<=38.45	Pass
			2	22.51	-2.12	18.24	<=38.45	Pass
			5	22.54	-2.12	18.27	<=38.45	Pass
		3	0	22.42	-2.12	18.15	<=38.45	Pass
			2	22.45	-2.12	18.18	<=38.45	Pass
			3	22.38	-2.12	18.11	<=38.45	Pass
		6	0	21.35	-2.12	17.08	<=38.45	Pass

	836.5	1	0	22.57	-2.12	18.30	<=38.45	Pass
			2	22.62	-2.12	18.35	<=38.45	Pass
			5	22.58	-2.12	18.31	<=38.45	Pass
		3	0	22.40	-2.12	18.13	<=38.45	Pass
			2	22.46	-2.12	18.19	<=38.45	Pass
			3	22.36	-2.12	18.09	<=38.45	Pass
		6	0	21.38	-2.12	17.11	<=38.45	Pass
	848.3	1	0	22.46	-2.12	18.19	<=38.45	Pass
			2	22.51	-2.12	18.24	<=38.45	Pass
			5	22.42	-2.12	18.15	<=38.45	Pass
		3	0	22.26	-2.12	17.99	<=38.45	Pass
			2	22.28	-2.12	18.01	<=38.45	Pass
			3	22.30	-2.12	18.03	<=38.45	Pass
		6	0	21.18	-2.12	16.91	<=38.45	Pass
256QAM	824.7	1	0	19.46	-2.12	15.19	<=38.45	Pass
			2	19.50	-2.12	15.23	<=38.45	Pass
			5	19.55	-2.12	15.28	<=38.45	Pass
		3	0	19.40	-2.12	15.13	<=38.45	Pass
			2	19.39	-2.12	15.12	<=38.45	Pass
			3	19.37	-2.12	15.10	<=38.45	Pass
		6	0	19.48	-2.12	15.21	<=38.45	Pass
	836.5	1	0	19.35	-2.12	15.08	<=38.45	Pass
			2	19.47	-2.12	15.20	<=38.45	Pass
			5	19.43	-2.12	15.16	<=38.45	Pass
		3	0	19.38	-2.12	15.11	<=38.45	Pass
			2	19.36	-2.12	15.09	<=38.45	Pass
			3	19.37	-2.12	15.10	<=38.45	Pass
		6	0	19.31	-2.12	15.04	<=38.45	Pass
	848.3	1	0	19.33	-2.12	15.06	<=38.45	Pass
			2	19.38	-2.12	15.11	<=38.45	Pass
			5	19.31	-2.12	15.04	<=38.45	Pass
		3	0	19.19	-2.12	14.92	<=38.45	Pass
			2	19.30	-2.12	15.03	<=38.45	Pass
			3	19.21	-2.12	14.94	<=38.45	Pass
		6	0	19.25	-2.12	14.98	<=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	24.28	-2.12	20.01	<=38.45	Pass
			7	24.27	-2.12	20.00	<=38.45	Pass
			14	24.21	-2.12	19.94	<=38.45	Pass
		8	0	23.34	-2.12	19.07	<=38.45	Pass
			4	23.37	-2.12	19.10	<=38.45	Pass
			7	23.35	-2.12	19.08	<=38.45	Pass
		15	0	23.34	-2.12	19.07	<=38.45	Pass
	836.5	1	0	24.31	-2.12	20.04	<=38.45	Pass
			7	24.39	-2.12	20.12	<=38.45	Pass
			14	24.26	-2.12	19.99	<=38.45	Pass
		8	0	23.27	-2.12	19.00	<=38.45	Pass
			4	23.36	-2.12	19.09	<=38.45	Pass
			7	23.32	-2.12	19.05	<=38.45	Pass
		15	0	23.24	-2.12	18.97	<=38.45	Pass
	847.5	1	0	24.18	-2.12	19.91	<=38.45	Pass

		8	7	24.28	-2.12	20.01	<=38.45	Pass
			14	24.28	-2.12	20.01	<=38.45	Pass
			0	23.15	-2.12	18.88	<=38.45	Pass
			4	23.23	-2.12	18.96	<=38.45	Pass
			7	23.23	-2.12	18.96	<=38.45	Pass
16QAM	825.5	1	0	23.11	-2.12	18.84	<=38.45	Pass
			0	23.49	-2.12	19.22	<=38.45	Pass
			7	23.48	-2.12	19.21	<=38.45	Pass
		8	14	23.32	-2.12	19.05	<=38.45	Pass
			0	22.34	-2.12	18.07	<=38.45	Pass
			4	22.34	-2.12	18.07	<=38.45	Pass
			7	22.32	-2.12	18.05	<=38.45	Pass
		15	0	22.27	-2.12	18.00	<=38.45	Pass
			0	23.43	-2.12	19.16	<=38.45	Pass
	836.5	1	7	23.45	-2.12	19.18	<=38.45	Pass
			14	23.42	-2.12	19.15	<=38.45	Pass
			0	22.30	-2.12	18.03	<=38.45	Pass
		8	4	22.38	-2.12	18.11	<=38.45	Pass
			7	22.32	-2.12	18.05	<=38.45	Pass
			0	22.27	-2.12	18.00	<=38.45	Pass
		847.5	0	23.31	-2.12	19.04	<=38.45	Pass
			7	23.37	-2.12	19.10	<=38.45	Pass
			14	23.21	-2.12	18.94	<=38.45	Pass
64QAM	825.5	1	0	22.16	-2.12	17.89	<=38.45	Pass
			4	22.24	-2.12	17.97	<=38.45	Pass
			7	22.16	-2.12	17.89	<=38.45	Pass
		8	0	22.13	-2.12	17.86	<=38.45	Pass
			0	22.48	-2.12	18.21	<=38.45	Pass
			7	22.51	-2.12	18.24	<=38.45	Pass
		15	14	22.45	-2.12	18.18	<=38.45	Pass
			0	21.41	-2.12	17.14	<=38.45	Pass
			4	21.39	-2.12	17.12	<=38.45	Pass
256QAM	825.5	8	7	21.37	-2.12	17.10	<=38.45	Pass
			0	21.32	-2.12	17.05	<=38.45	Pass
			0	22.44	-2.12	18.17	<=38.45	Pass
		1	7	22.61	-2.12	18.34	<=38.45	Pass
			14	22.51	-2.12	18.24	<=38.45	Pass
			0	21.31	-2.12	17.04	<=38.45	Pass
		8	4	21.39	-2.12	17.12	<=38.45	Pass
			7	21.37	-2.12	17.10	<=38.45	Pass
			0	21.25	-2.12	16.98	<=38.45	Pass
	847.5	1	0	22.38	-2.12	18.11	<=38.45	Pass
			7	22.47	-2.12	18.20	<=38.45	Pass
			14	22.36	-2.12	18.09	<=38.45	Pass
		8	0	21.19	-2.12	16.92	<=38.45	Pass
			4	21.27	-2.12	17.00	<=38.45	Pass
			7	21.21	-2.12	16.94	<=38.45	Pass
		15	0	21.15	-2.12	16.88	<=38.45	Pass
			0	19.46	-2.12	15.19	<=38.45	Pass
			7	19.60	-2.12	15.33	<=38.45	Pass
256QAM	825.5	1	14	19.39	-2.12	15.12	<=38.45	Pass
			0	19.39	-2.12	15.12	<=38.45	Pass
			4	19.38	-2.12	15.11	<=38.45	Pass
		8	7	19.36	-2.12	15.09	<=38.45	Pass
			0	19.33	-2.12	15.06	<=38.45	Pass
			0	19.32	-2.12	15.05	<=38.45	Pass
		1	7	19.55	-2.12	15.28	<=38.45	Pass
			14	19.44	-2.12	15.17	<=38.45	Pass
			0	19.33	-2.12	15.06	<=38.45	Pass

		15	4	19.42	-2.12	15.15	<=38.45	Pass
			7	19.38	-2.12	15.11	<=38.45	Pass
			0	19.31	-2.12	15.04	<=38.45	Pass
	847.5	1	0	19.28	-2.12	15.01	<=38.45	Pass
			7	19.34	-2.12	15.07	<=38.45	Pass
			14	19.32	-2.12	15.05	<=38.45	Pass
		8	0	19.20	-2.12	14.93	<=38.45	Pass
			4	19.25	-2.12	14.98	<=38.45	Pass
			7	19.21	-2.12	14.94	<=38.45	Pass
		15	0	19.17	-2.12	14.90	<=38.45	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	24.27	-2.12	20.00	<=38.45	Pass
			13	24.33	-2.12	20.06	<=38.45	Pass
			24	24.20	-2.12	19.93	<=38.45	Pass
		12	0	23.27	-2.12	19.00	<=38.45	Pass
			6	23.27	-2.12	19.00	<=38.45	Pass
			13	23.24	-2.12	18.97	<=38.45	Pass
		25	0	23.25	-2.12	18.98	<=38.45	Pass
	836.5	1	0	24.24	-2.12	19.97	<=38.45	Pass
			13	24.34	-2.12	20.07	<=38.45	Pass
			24	24.25	-2.12	19.98	<=38.45	Pass
		12	0	23.22	-2.12	18.95	<=38.45	Pass
			6	23.23	-2.12	18.96	<=38.45	Pass
			13	23.28	-2.12	19.01	<=38.45	Pass
		25	0	23.18	-2.12	18.91	<=38.45	Pass
	846.5	1	0	24.21	-2.12	19.94	<=38.45	Pass
			13	24.31	-2.12	20.04	<=38.45	Pass
			24	24.34	-2.12	20.07	<=38.45	Pass
		12	0	23.19	-2.12	18.92	<=38.45	Pass
			6	23.20	-2.12	18.93	<=38.45	Pass
			13	23.21	-2.12	18.94	<=38.45	Pass
		25	0	23.15	-2.12	18.88	<=38.45	Pass
16QAM	826.5	1	0	23.36	-2.12	19.09	<=38.45	Pass
			13	23.31	-2.12	19.04	<=38.45	Pass
			24	23.24	-2.12	18.97	<=38.45	Pass
		12	0	22.28	-2.12	18.01	<=38.45	Pass
			6	22.29	-2.12	18.02	<=38.45	Pass
			13	22.22	-2.12	17.95	<=38.45	Pass
		25	0	22.26	-2.12	17.99	<=38.45	Pass
	836.5	1	0	23.38	-2.12	19.11	<=38.45	Pass
			13	23.50	-2.12	19.23	<=38.45	Pass
			24	23.38	-2.12	19.11	<=38.45	Pass
		12	0	22.22	-2.12	17.95	<=38.45	Pass
			6	22.23	-2.12	17.96	<=38.45	Pass
			13	22.25	-2.12	17.98	<=38.45	Pass
		25	0	22.22	-2.12	17.95	<=38.45	Pass
	846.5	1	0	23.40	-2.12	19.13	<=38.45	Pass
			13	23.45	-2.12	19.18	<=38.45	Pass
			24	23.37	-2.12	19.10	<=38.45	Pass
		12	0	22.17	-2.12	17.90	<=38.45	Pass
			6	22.18	-2.12	17.91	<=38.45	Pass

			13	22.16	-2.12	17.89	<=38.45	Pass	
		25	0	22.14	-2.12	17.87	<=38.45	Pass	
64QAM	826.5	1	0	22.56	-2.12	18.29	<=38.45	Pass	
			13	22.48	-2.12	18.21	<=38.45	Pass	
			24	22.38	-2.12	18.11	<=38.45	Pass	
			0	21.31	-2.12	17.04	<=38.45	Pass	
		12	6	21.30	-2.12	17.03	<=38.45	Pass	
			13	21.23	-2.12	16.96	<=38.45	Pass	
			25	0	21.24	-2.12	16.97	<=38.45	Pass
		836.5	1	0	22.54	-2.12	18.27	<=38.45	Pass
				13	22.57	-2.12	18.30	<=38.45	Pass
				24	22.63	-2.12	18.36	<=38.45	Pass
	12		0	21.26	-2.12	16.99	<=38.45	Pass	
			6	21.40	-2.12	17.13	<=38.45	Pass	
			13	21.32	-2.12	17.05	<=38.45	Pass	
	25		0	21.24	-2.12	16.97	<=38.45	Pass	
	846.5	1	0	22.52	-2.12	18.25	<=38.45	Pass	
			13	22.55	-2.12	18.28	<=38.45	Pass	
			24	22.43	-2.12	18.16	<=38.45	Pass	
		12	0	21.17	-2.12	16.90	<=38.45	Pass	
			6	21.22	-2.12	16.95	<=38.45	Pass	
			13	21.16	-2.12	16.89	<=38.45	Pass	
		25	0	21.15	-2.12	16.88	<=38.45	Pass	
		256QAM	826.5	1	0	19.39	-2.12	15.12	<=38.45
13	19.38				-2.12	15.11	<=38.45	Pass	
24	19.36				-2.12	15.09	<=38.45	Pass	
12	0			19.31	-2.12	15.04	<=38.45	Pass	
	6			19.34	-2.12	15.07	<=38.45	Pass	
	13			19.30	-2.12	15.03	<=38.45	Pass	
25	0			19.28	-2.12	15.01	<=38.45	Pass	
836.5	1		0	19.44	-2.12	15.17	<=38.45	Pass	
			13	19.58	-2.12	15.31	<=38.45	Pass	
			24	19.49	-2.12	15.22	<=38.45	Pass	
	12		0	19.32	-2.12	15.05	<=38.45	Pass	
			6	19.33	-2.12	15.06	<=38.45	Pass	
			13	19.35	-2.12	15.08	<=38.45	Pass	
	25		0	19.29	-2.12	15.02	<=38.45	Pass	
846.5	1		0	19.33	-2.12	15.06	<=38.45	Pass	
			13	19.37	-2.12	15.10	<=38.45	Pass	
			24	19.34	-2.12	15.07	<=38.45	Pass	
	12		0	19.19	-2.12	14.92	<=38.45	Pass	
			6	19.26	-2.12	14.99	<=38.45	Pass	
			13	19.26	-2.12	14.99	<=38.45	Pass	
	25		0	19.24	-2.12	14.97	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.27	-2.12	20.00	<=38.45	Pass
			25	24.21	-2.12	19.94	<=38.45	Pass
			49	24.19	-2.12	19.92	<=38.45	Pass
		25	0	23.20	-2.12	18.93	<=38.45	Pass
			13	23.28	-2.12	19.01	<=38.45	Pass
			25	23.21	-2.12	18.94	<=38.45	Pass

		50	0	23.26	-2.12	18.99	<=38.45	Pass	
	836.5	1	0	24.31	-2.12	20.04	<=38.45	Pass	
			25	24.31	-2.12	20.04	<=38.45	Pass	
			49	24.33	-2.12	20.06	<=38.45	Pass	
			0	23.23	-2.12	18.96	<=38.45	Pass	
		25	13	23.33	-2.12	19.06	<=38.45	Pass	
			25	23.30	-2.12	19.03	<=38.45	Pass	
	844	50	0	23.24	-2.12	18.97	<=38.45	Pass	
			1	0	24.23	-2.12	19.96	<=38.45	Pass
				25	24.28	-2.12	20.01	<=38.45	Pass
		49		24.23	-2.12	19.96	<=38.45	Pass	
		25	0	23.26	-2.12	18.99	<=38.45	Pass	
			13	23.30	-2.12	19.03	<=38.45	Pass	
			25	23.25	-2.12	18.98	<=38.45	Pass	
		50	0	23.24	-2.12	18.97	<=38.45	Pass	
			16QAM	829	1	0	23.39	-2.12	19.12
25		23.39				-2.12	19.12	<=38.45	Pass
49	23.40	-2.12				19.13	<=38.45	Pass	
25	0	22.22			-2.12	17.95	<=38.45	Pass	
	13	22.29			-2.12	18.02	<=38.45	Pass	
	25	22.27			-2.12	18.00	<=38.45	Pass	
50	0	22.26			-2.12	17.99	<=38.45	Pass	
836.5	1	0		23.38	-2.12	19.11	<=38.45	Pass	
		25		23.47	-2.12	19.20	<=38.45	Pass	
		49		23.46	-2.12	19.19	<=38.45	Pass	
	25	0		22.26	-2.12	17.99	<=38.45	Pass	
		13		22.33	-2.12	18.06	<=38.45	Pass	
		25		22.33	-2.12	18.06	<=38.45	Pass	
	50	0		22.24	-2.12	17.97	<=38.45	Pass	
844	1	0		23.37	-2.12	19.10	<=38.45	Pass	
		25		23.46	-2.12	19.19	<=38.45	Pass	
		49	23.27	-2.12	19.00	<=38.45	Pass		
	25	0	22.27	-2.12	18.00	<=38.45	Pass		
		13	22.35	-2.12	18.08	<=38.45	Pass		
		25	22.24	-2.12	17.97	<=38.45	Pass		
	50	0	22.24	-2.12	17.97	<=38.45	Pass		
64QAM	829	1	0	22.46	-2.12	18.19	<=38.45	Pass	
			25	22.56	-2.12	18.29	<=38.45	Pass	
			49	22.36	-2.12	18.09	<=38.45	Pass	
		25	0	21.23	-2.12	16.96	<=38.45	Pass	
			13	21.33	-2.12	17.06	<=38.45	Pass	
			25	21.22	-2.12	16.95	<=38.45	Pass	
		50	0	21.28	-2.12	17.01	<=38.45	Pass	
		836.5	1	0	22.52	-2.12	18.25	<=38.45	Pass
	25			22.60	-2.12	18.33	<=38.45	Pass	
	49			22.55	-2.12	18.28	<=38.45	Pass	
	25		0	21.27	-2.12	17.00	<=38.45	Pass	
			13	21.34	-2.12	17.07	<=38.45	Pass	
			25	21.34	-2.12	17.07	<=38.45	Pass	
	50	0	21.25	-2.12	16.98	<=38.45	Pass		
	844	1	0	22.46	-2.12	18.19	<=38.45	Pass	
			25	22.57	-2.12	18.30	<=38.45	Pass	
			49	22.40	-2.12	18.13	<=38.45	Pass	
		25	0	21.25	-2.12	16.98	<=38.45	Pass	
			13	21.32	-2.12	17.05	<=38.45	Pass	
			25	21.24	-2.12	16.97	<=38.45	Pass	
		50	0	21.20	-2.12	16.93	<=38.45	Pass	
256QAM		829	1	0	19.43	-2.12	15.16	<=38.45	Pass
	25			19.47	-2.12	15.20	<=38.45	Pass	

			49	19.47	-2.12	15.20	<=38.45	Pass
		25	0	19.29	-2.12	15.02	<=38.45	Pass
			13	19.34	-2.12	15.07	<=38.45	Pass
			25	19.32	-2.12	15.05	<=38.45	Pass
		50	0	19.29	-2.12	15.02	<=38.45	Pass
	836.5	1	0	19.42	-2.12	15.15	<=38.45	Pass
			25	19.42	-2.12	15.15	<=38.45	Pass
			49	19.48	-2.12	15.21	<=38.45	Pass
		25	0	19.27	-2.12	15.00	<=38.45	Pass
			13	19.36	-2.12	15.09	<=38.45	Pass
			25	19.37	-2.12	15.10	<=38.45	Pass
		50	0	19.32	-2.12	15.05	<=38.45	Pass
	844	1	0	19.31	-2.12	15.04	<=38.45	Pass
			25	19.51	-2.12	15.24	<=38.45	Pass
			49	19.29	-2.12	15.02	<=38.45	Pass
		25	0	19.28	-2.12	15.01	<=38.45	Pass
			13	19.34	-2.12	15.07	<=38.45	Pass
			25	19.30	-2.12	15.03	<=38.45	Pass
		50	0	19.29	-2.12	15.02	<=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	-1.744	-0.0021	-2.5 to 2.5	Pass
					NV	-0.712	-0.0009	-2.5 to 2.5	Pass
					HV	0.453	0.0005	-2.5 to 2.5	Pass
				-30	NV	-0.134	-0.0002	-2.5 to 2.5	Pass
				-20	NV	0.639	0.0008	-2.5 to 2.5	Pass
				-10	NV	-0.367	-0.0004	-2.5 to 2.5	Pass
				0	NV	-0.098	-0.0001	-2.5 to 2.5	Pass
				10	NV	-1.038	-0.0012	-2.5 to 2.5	Pass
				30	NV	0.091	0.0001	-2.5 to 2.5	Pass
				40	NV	-1.449	-0.0017	-2.5 to 2.5	Pass
				50	NV	0.211	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

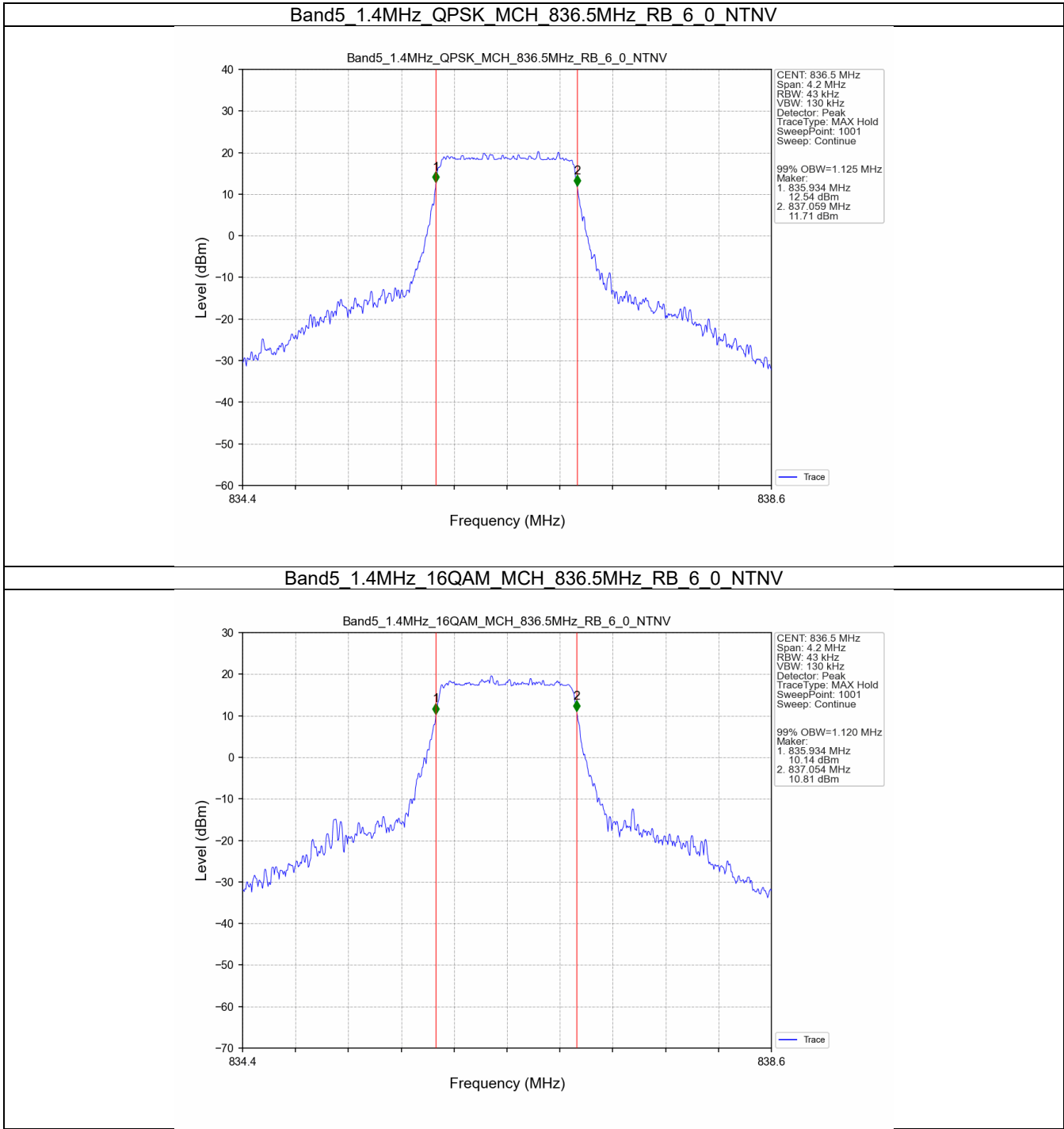
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.125	/	Pass
	16QAM	836.5	6	0	1.120	/	Pass
	64QAM	836.5	6	0	1.122	/	Pass
	256QAM	836.5	6	0	1.115	/	Pass
3	QPSK	836.5	15	0	2.743	/	Pass
	16QAM	836.5	15	0	2.747	/	Pass
	64QAM	836.5	15	0	2.744	/	Pass
	256QAM	836.5	15	0	2.750	/	Pass
5	QPSK	836.5	25	0	4.570	/	Pass
	16QAM	836.5	25	0	4.569	/	Pass
	64QAM	836.5	25	0	4.574	/	Pass
	256QAM	836.5	25	0	4.550	/	Pass
10	QPSK	836.5	50	0	9.082	/	Pass
	16QAM	836.5	50	0	9.061	/	Pass
	64QAM	836.5	50	0	9.071	/	Pass
	256QAM	836.5	50	0	9.061	/	Pass

3.1.2 Band5_XDB

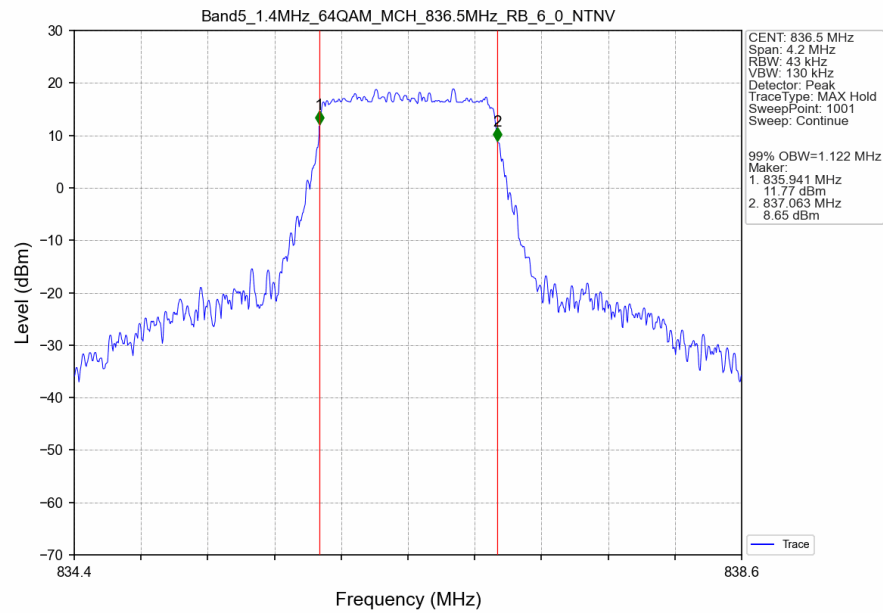
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.392	/	Pass
	16QAM	836.5	6	0	1.416	/	Pass
	64QAM	836.5	6	0	1.398	/	Pass
	256QAM	836.5	6	0	1.375	/	Pass
3	QPSK	836.5	15	0	3.130	/	Pass
	16QAM	836.5	15	0	3.097	/	Pass
	64QAM	836.5	15	0	3.124	/	Pass
	256QAM	836.5	15	0	3.124	/	Pass
5	QPSK	836.5	25	0	5.282	/	Pass
	16QAM	836.5	25	0	5.193	/	Pass
	64QAM	836.5	25	0	5.226	/	Pass
	256QAM	836.5	25	0	5.226	/	Pass
10	QPSK	836.5	50	0	10.181	/	Pass
	16QAM	836.5	50	0	10.197	/	Pass
	64QAM	836.5	50	0	10.265	/	Pass
	256QAM	836.5	50	0	10.190	/	Pass

3.2 Test Graph

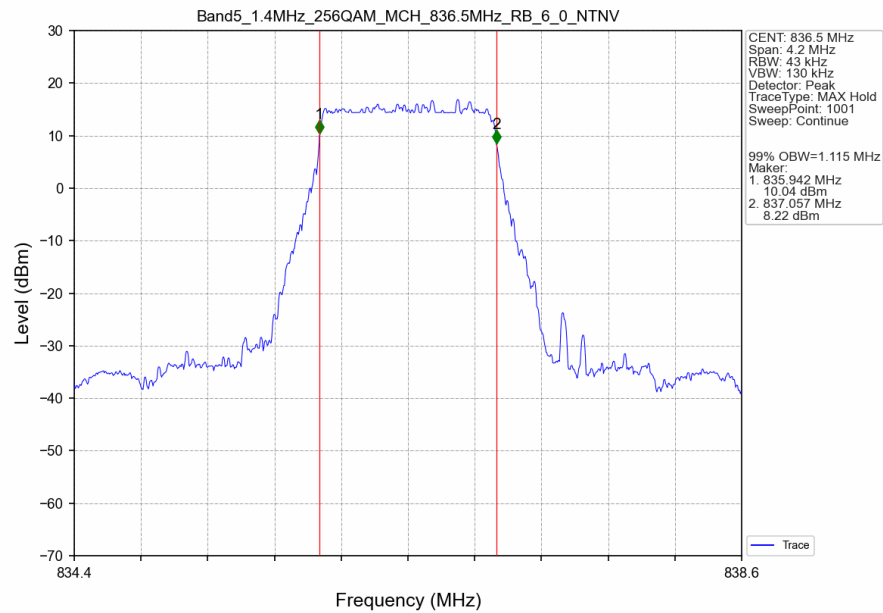
3.2.1 Band5_OBW



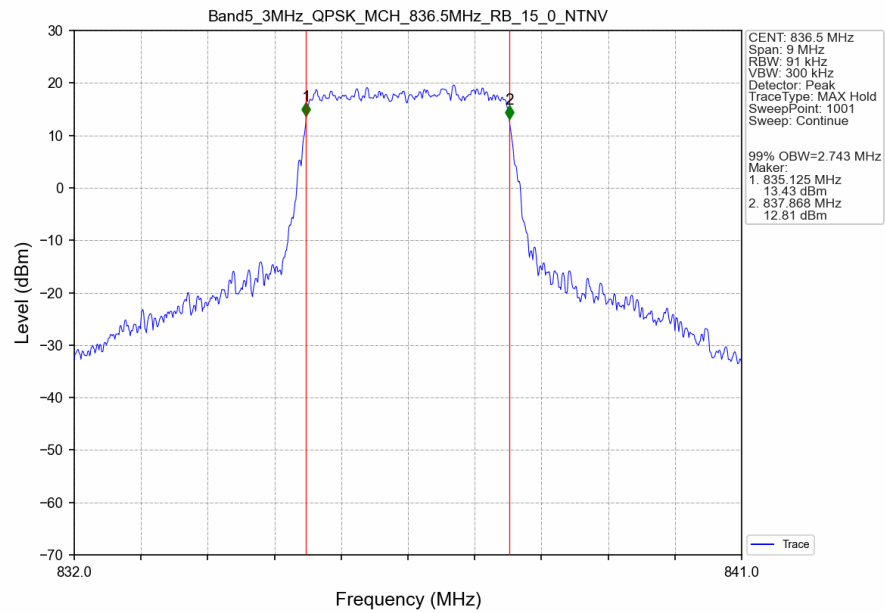
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTV



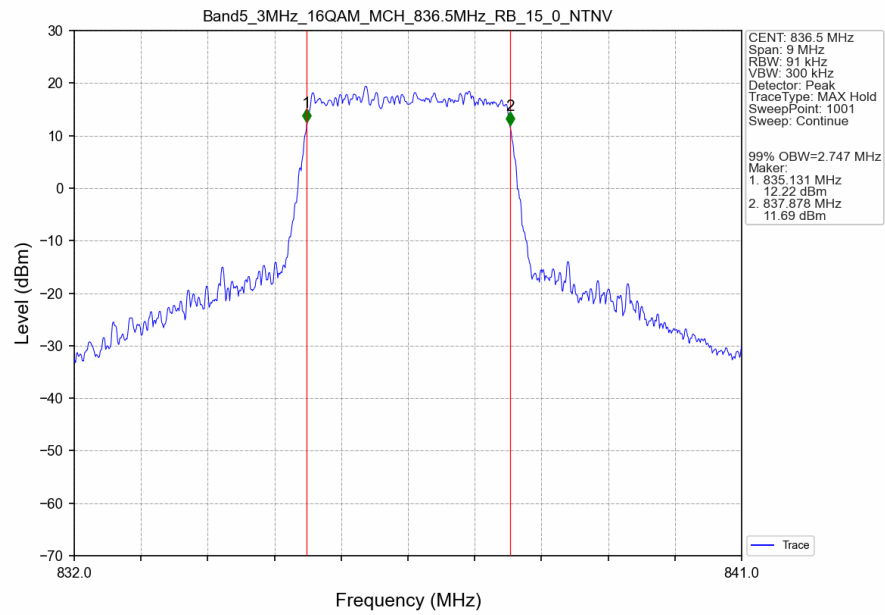
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTV



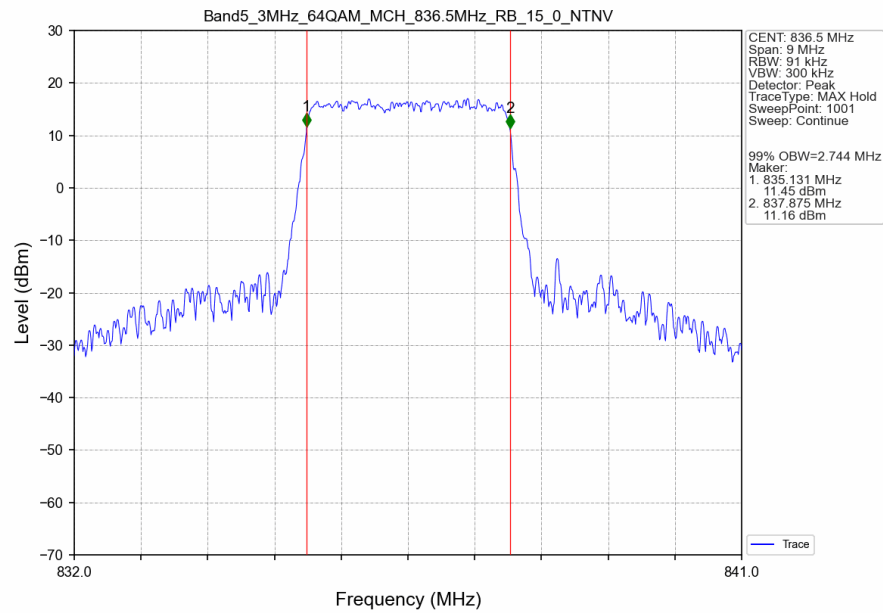
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



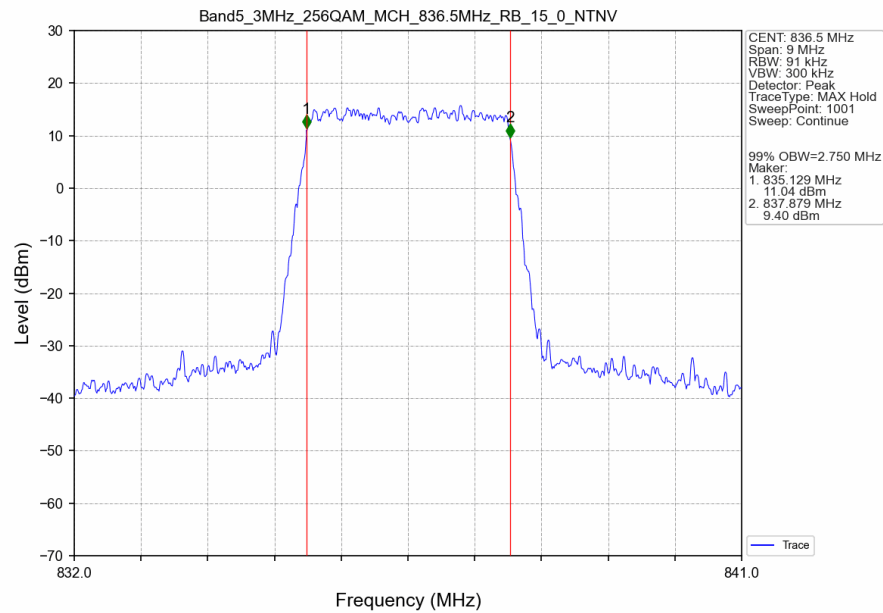
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



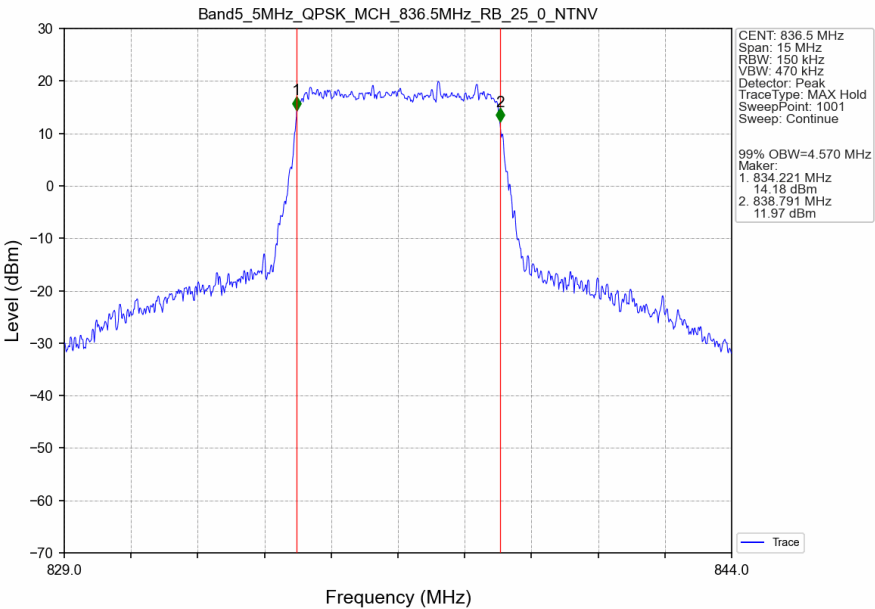
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



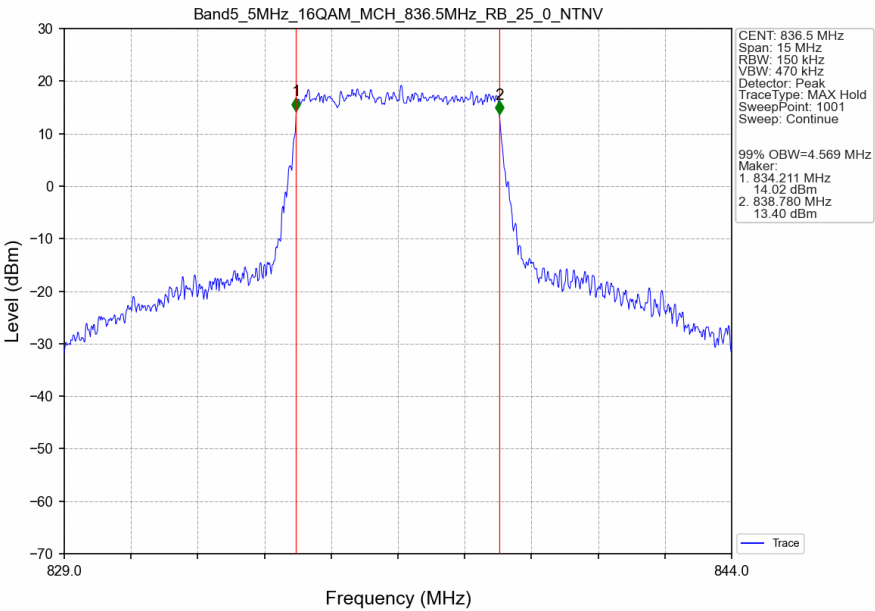
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



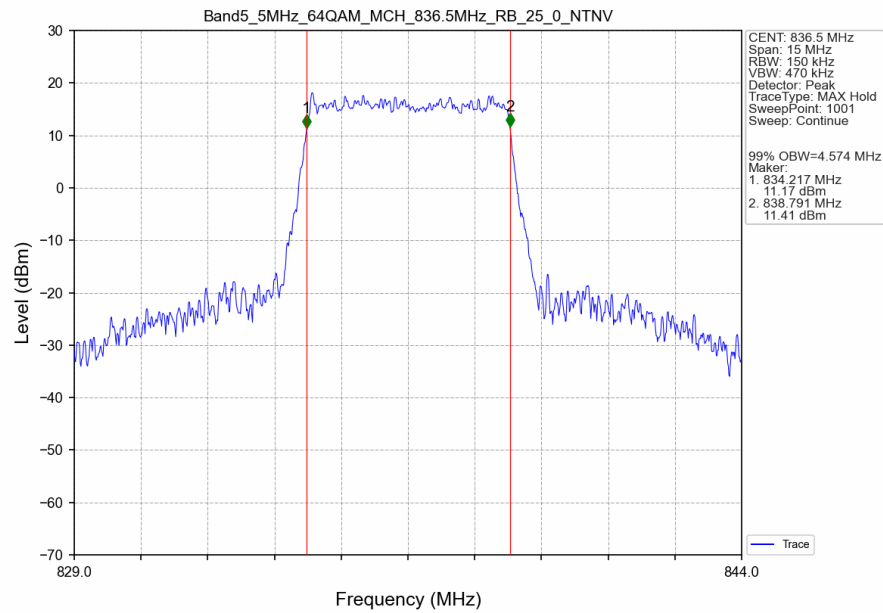
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



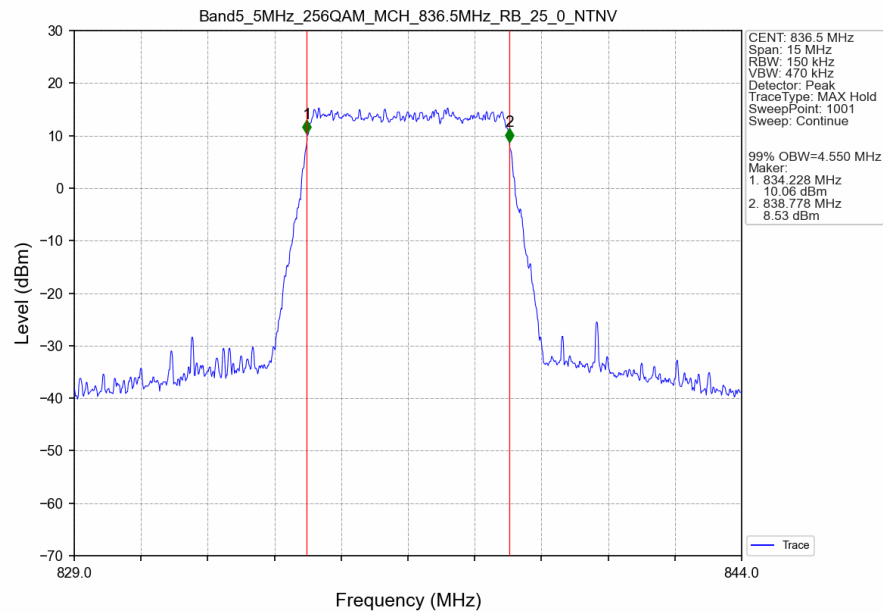
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



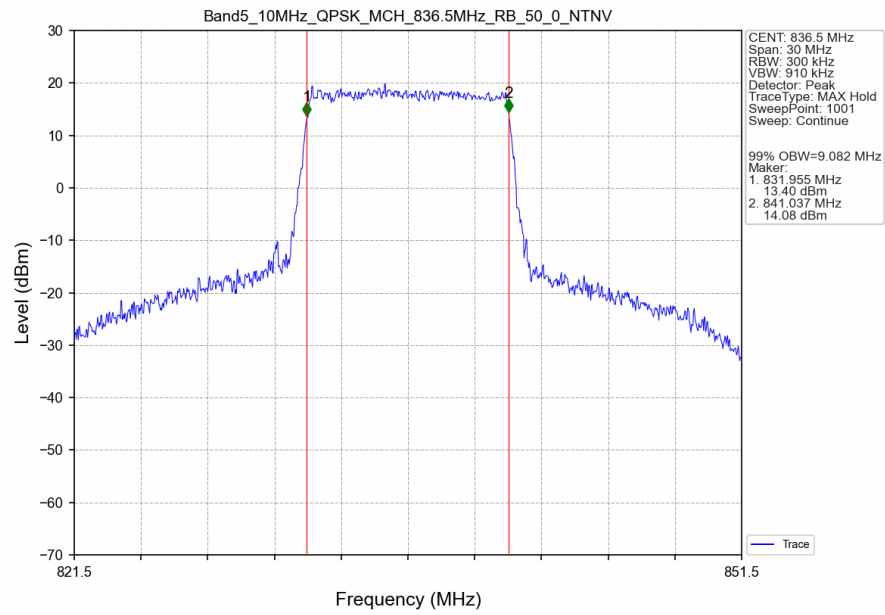
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



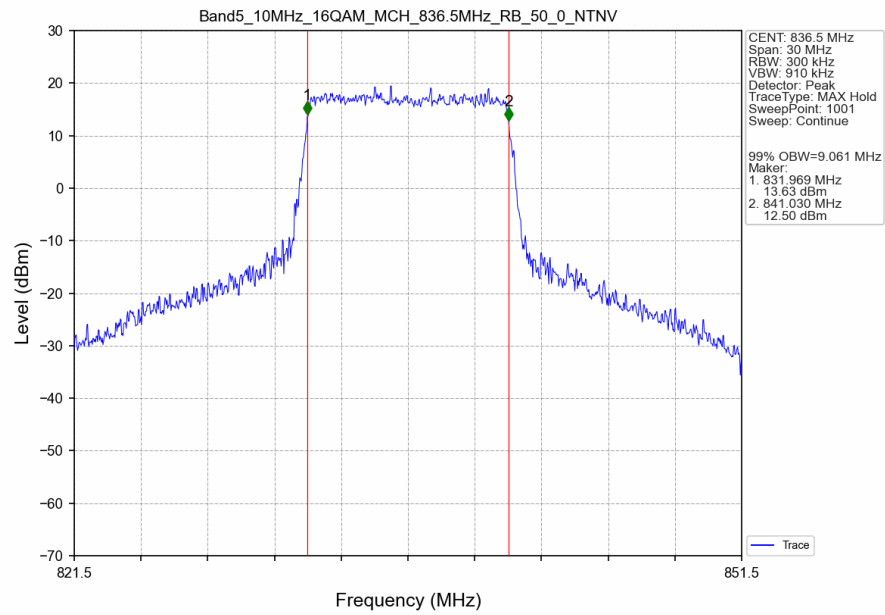
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



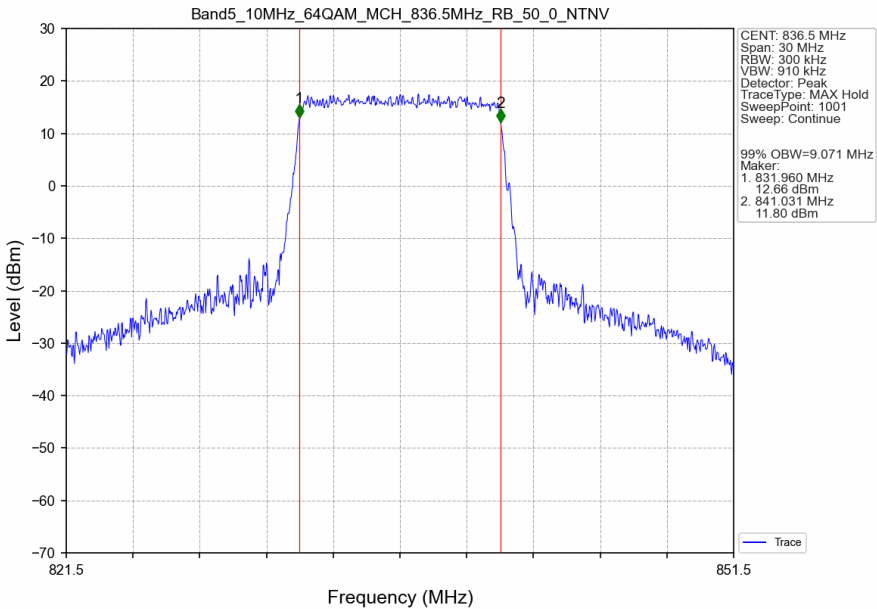
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV



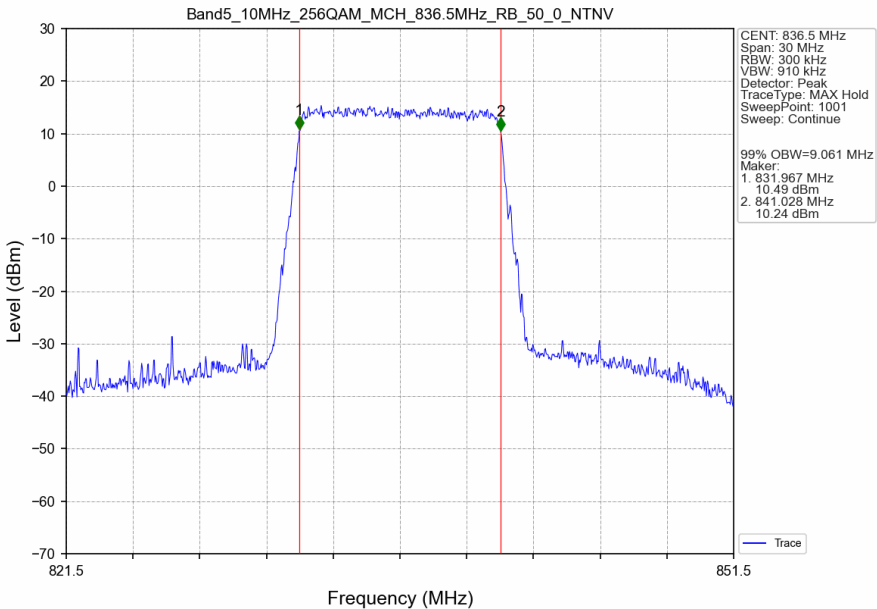
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTV



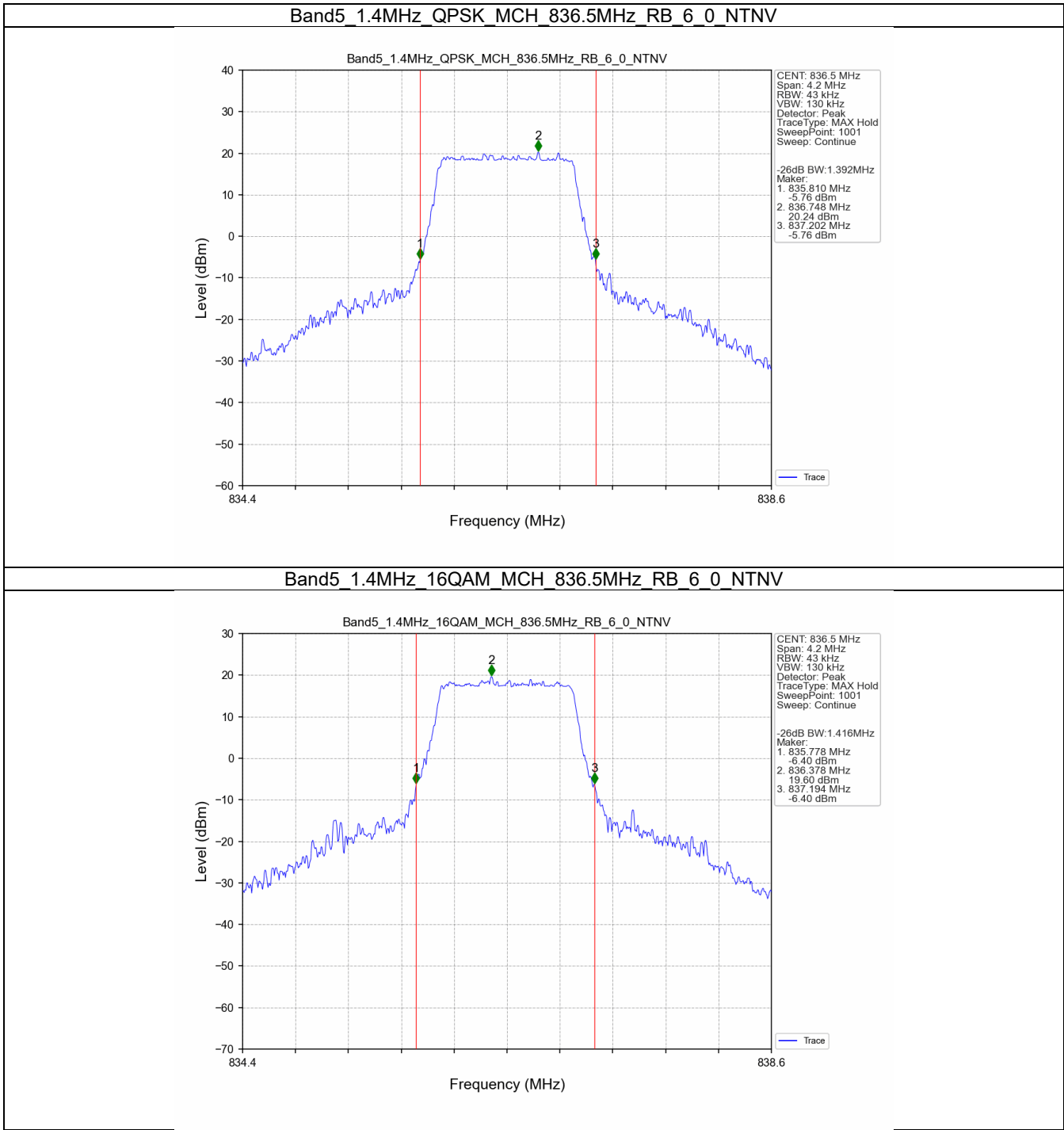
Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTV



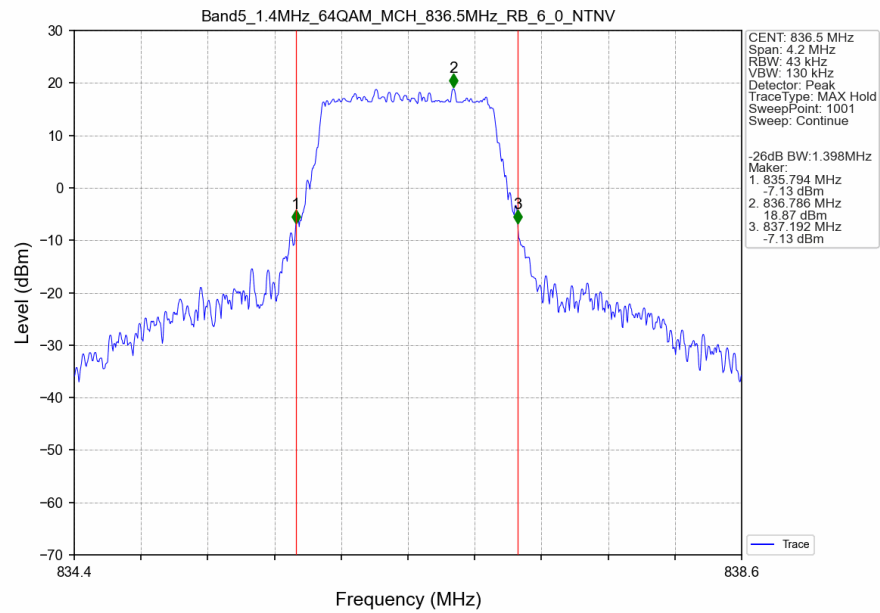
Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTV



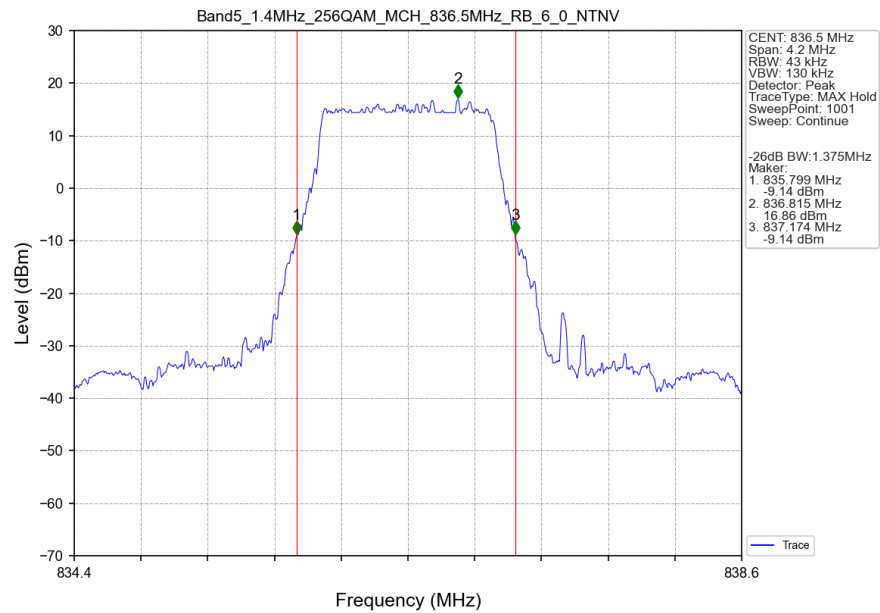
3.2.2 Band5_XDB



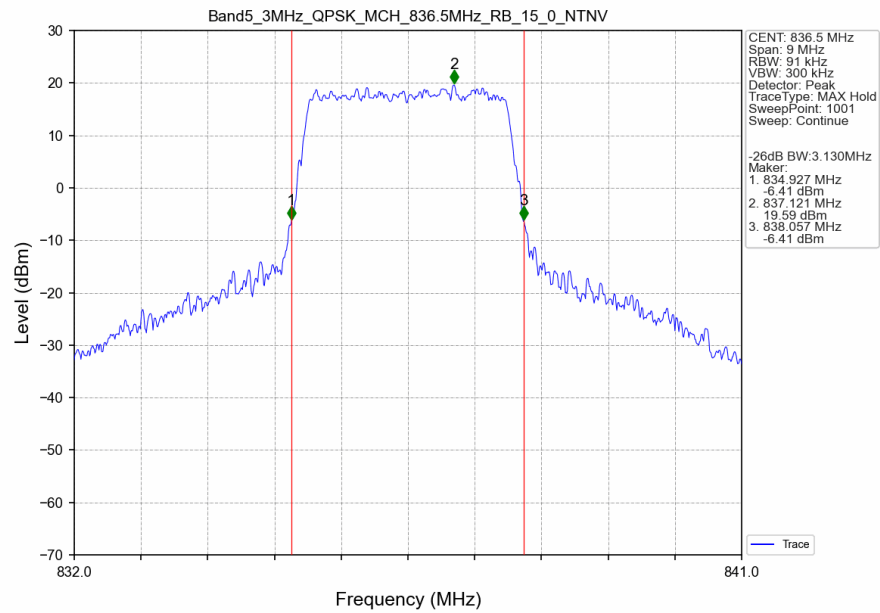
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTNV



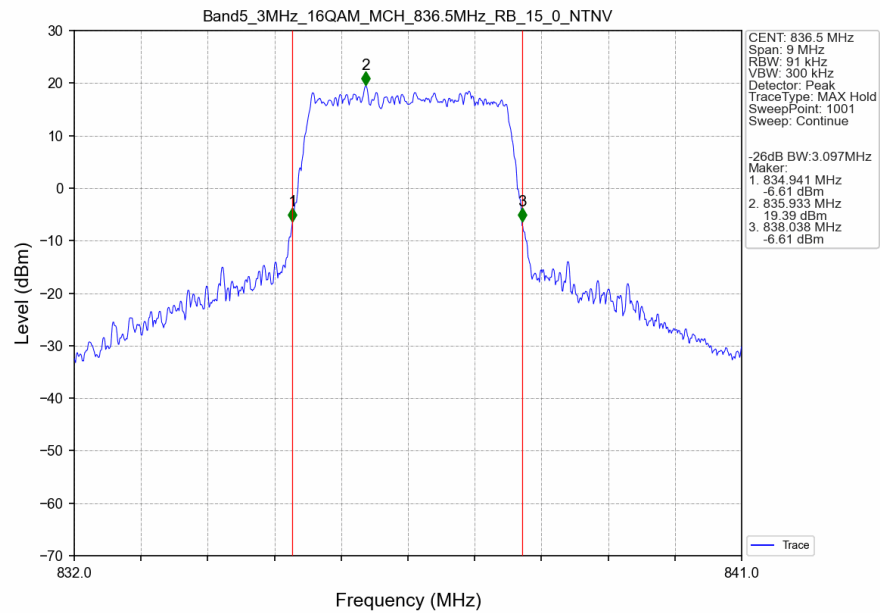
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTNV



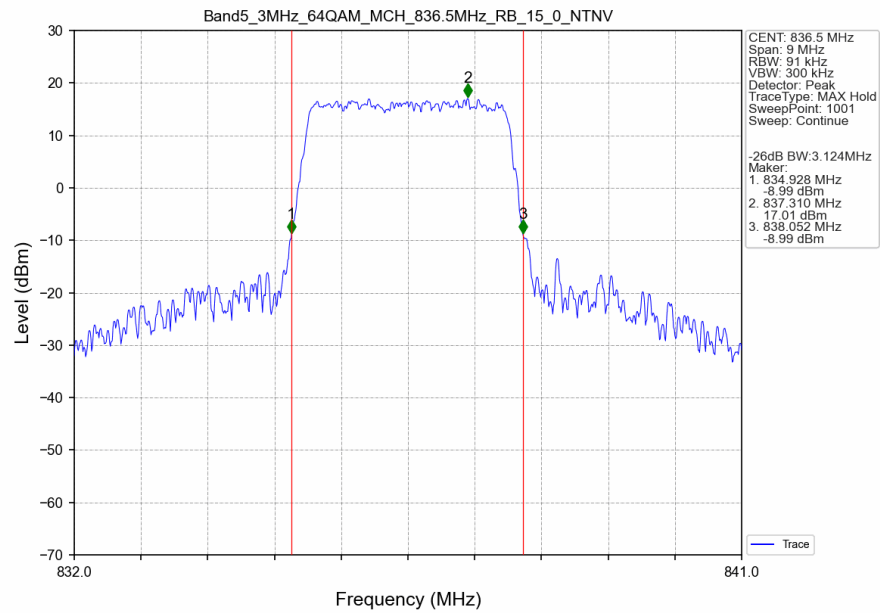
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



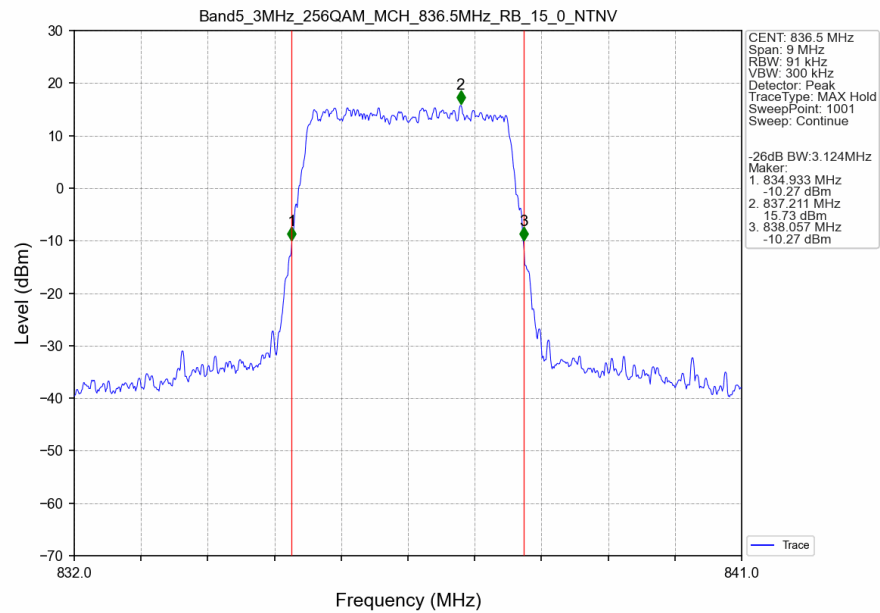
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



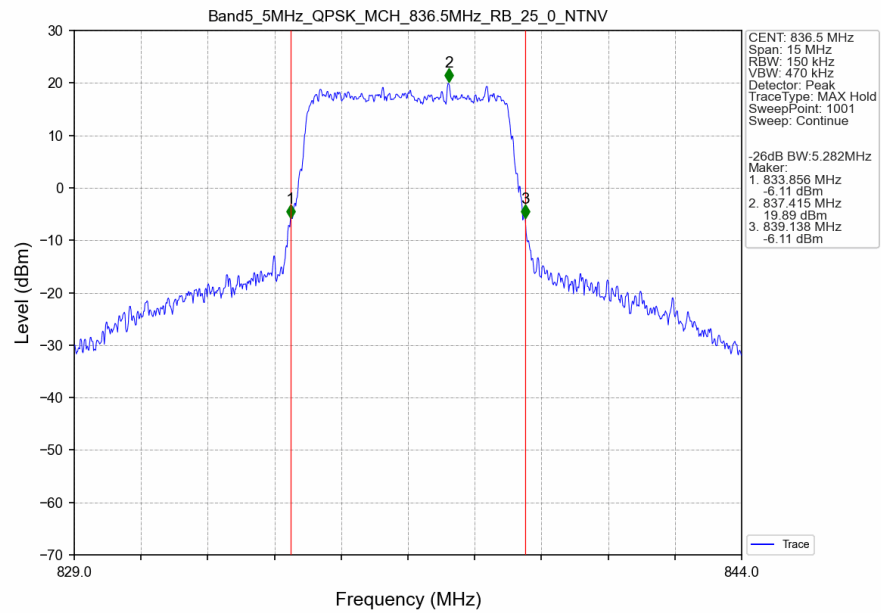
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTNV



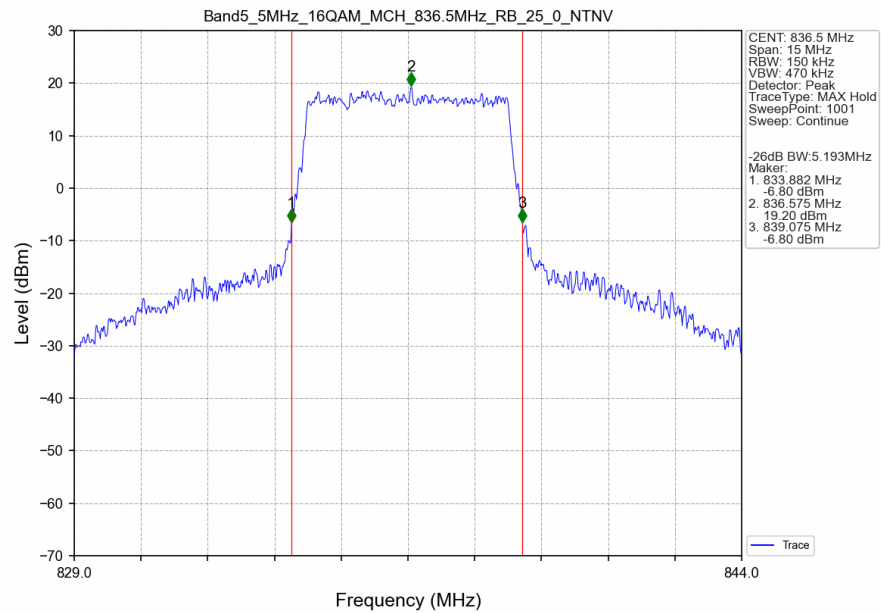
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTNV



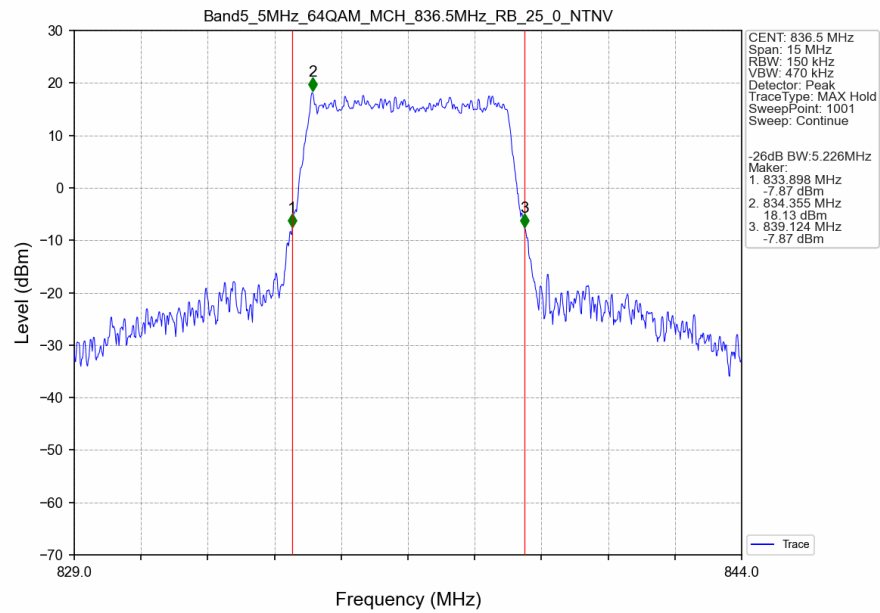
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



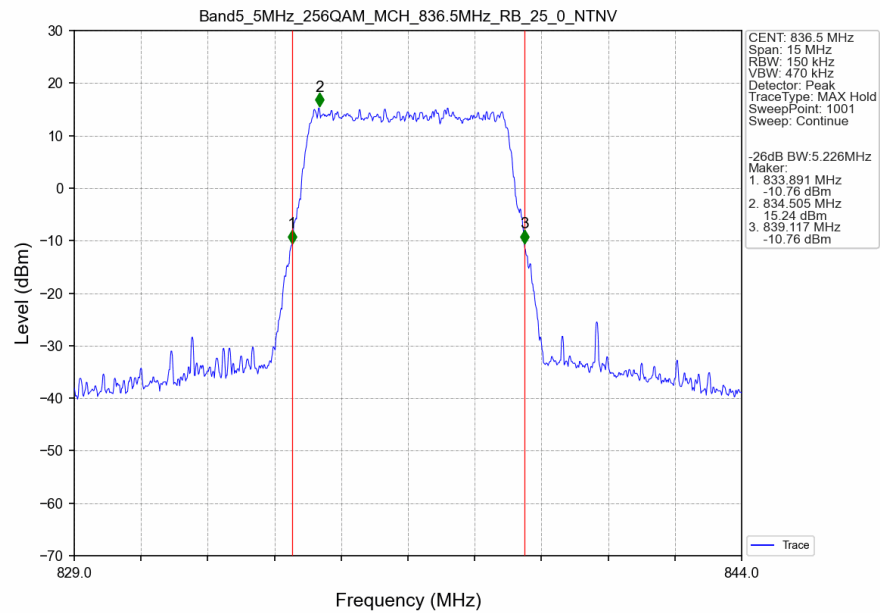
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



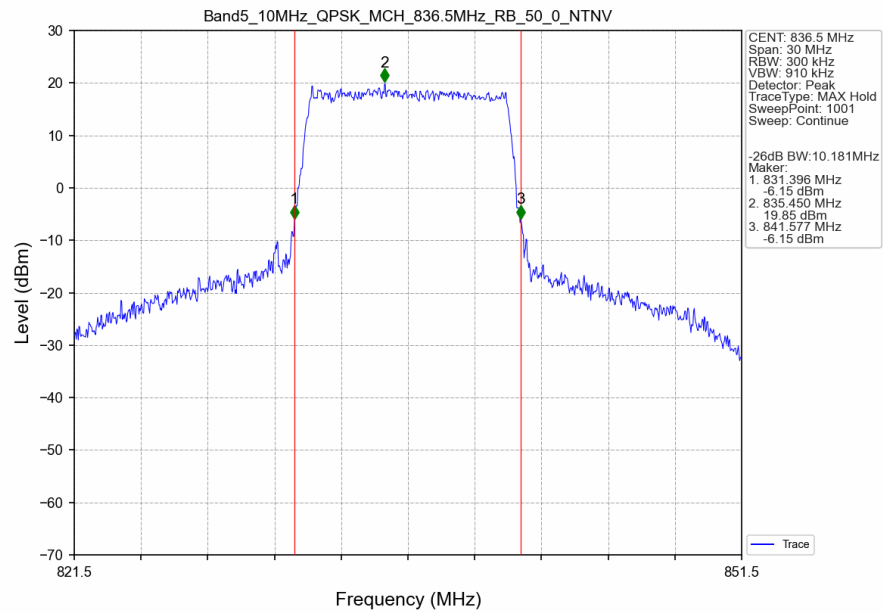
Band5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV



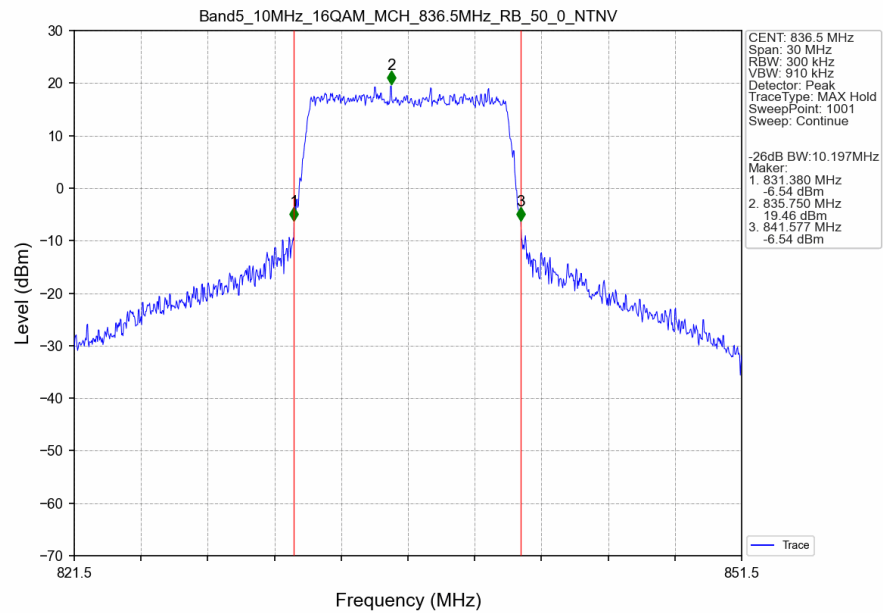
Band5 5MHz 256QAM MCH 836.5MHz RB 25 0 NTNV



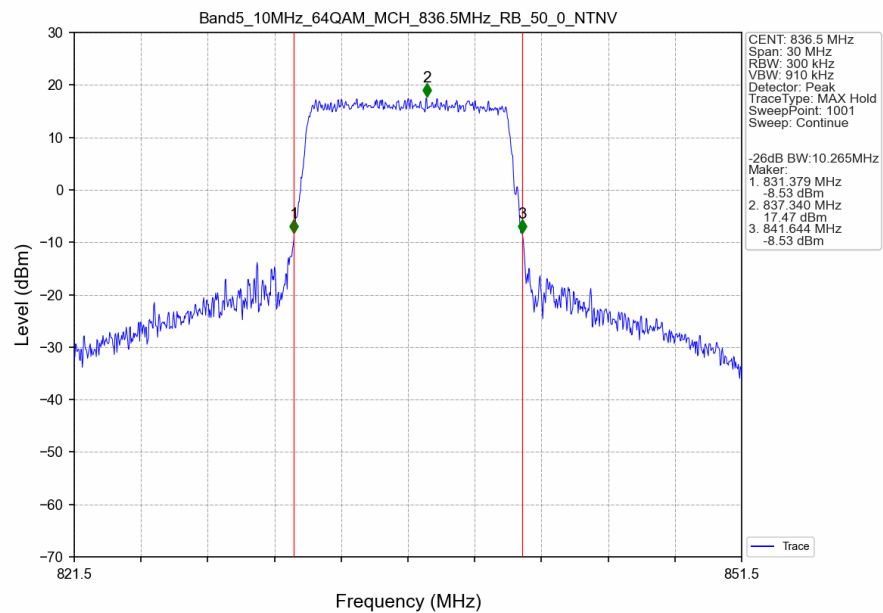
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV



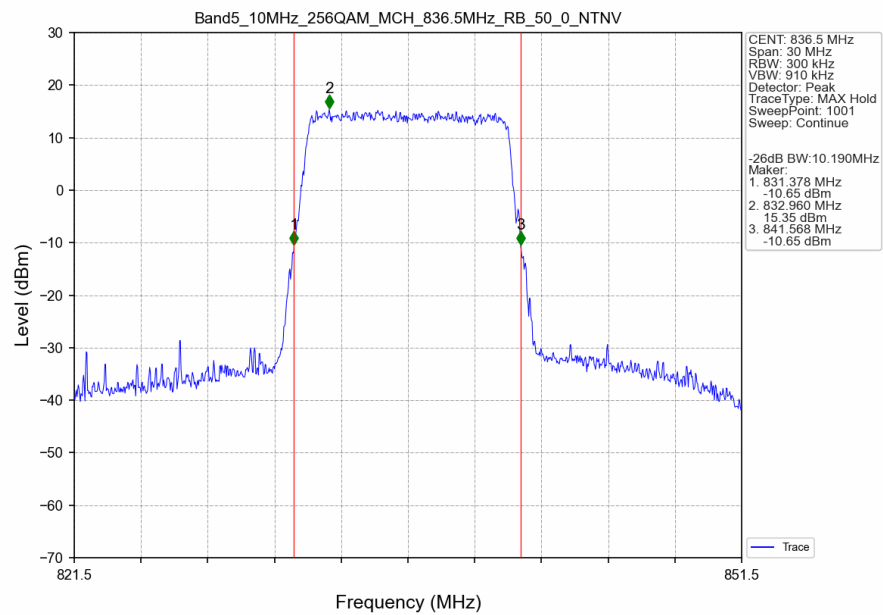
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTV



Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTV



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



4. Peak-Average Ratio

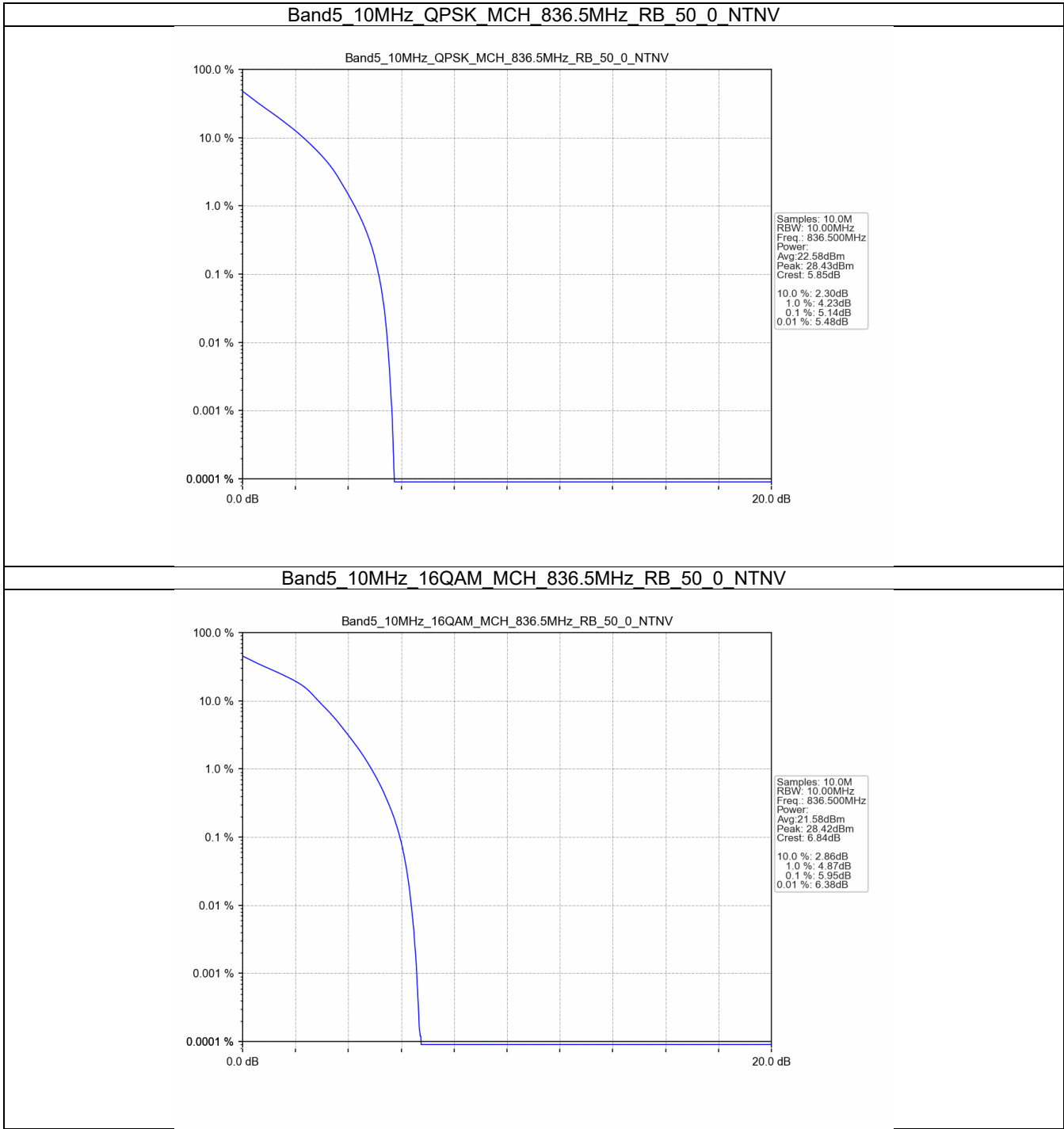
4.1 Test Result

4.1.1 B5_10MHz

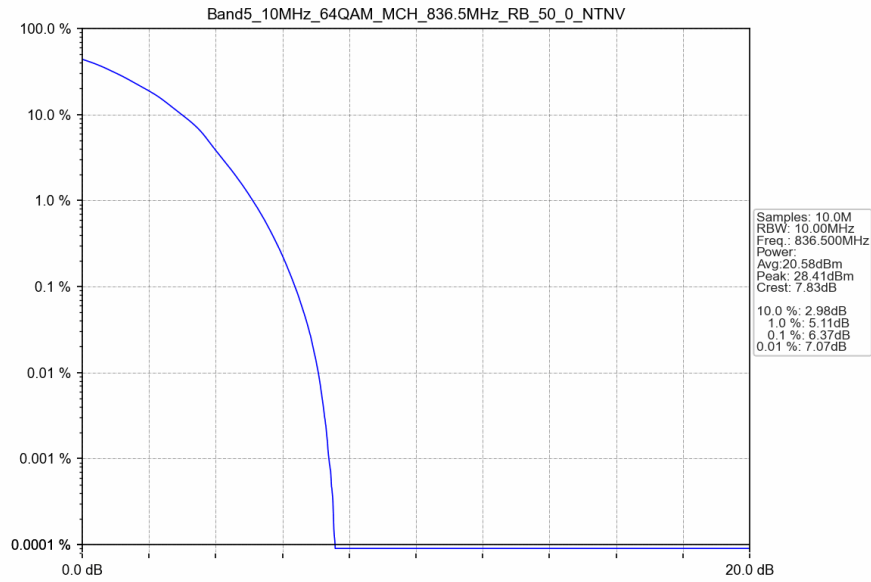
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.14	<=13	Pass
16QAM	836.5	50	0	5.95	<=13	Pass
64QAM	836.5	50	0	6.37	<=13	Pass
256QAM	836.5	50	0	6.66	<=13	Pass

4.2 Test Graph

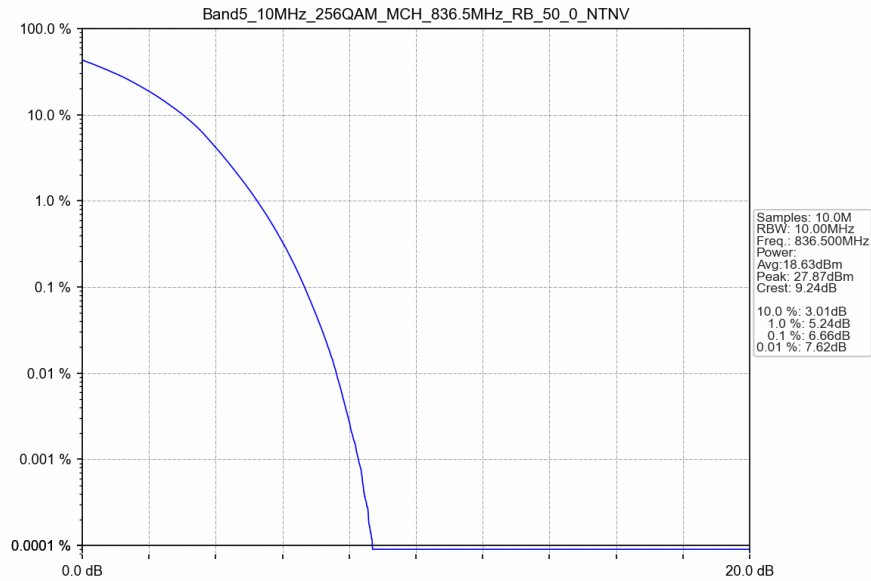
4.2.1 B5_10MHz



Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTN



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		Pass
			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

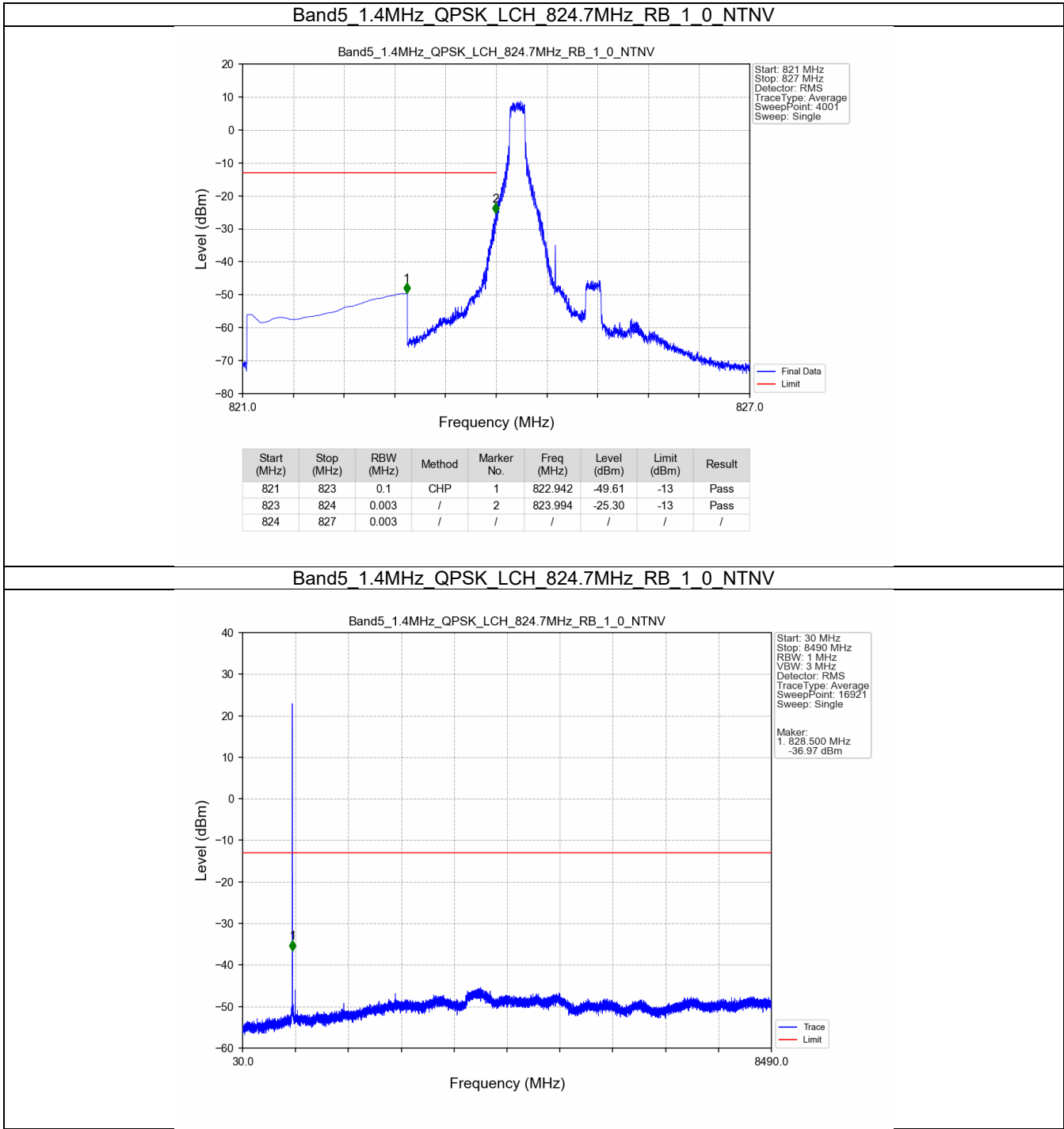
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

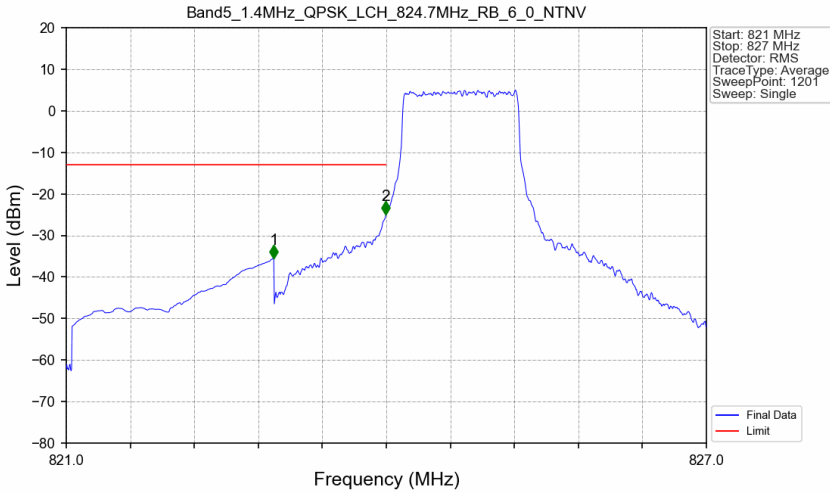
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

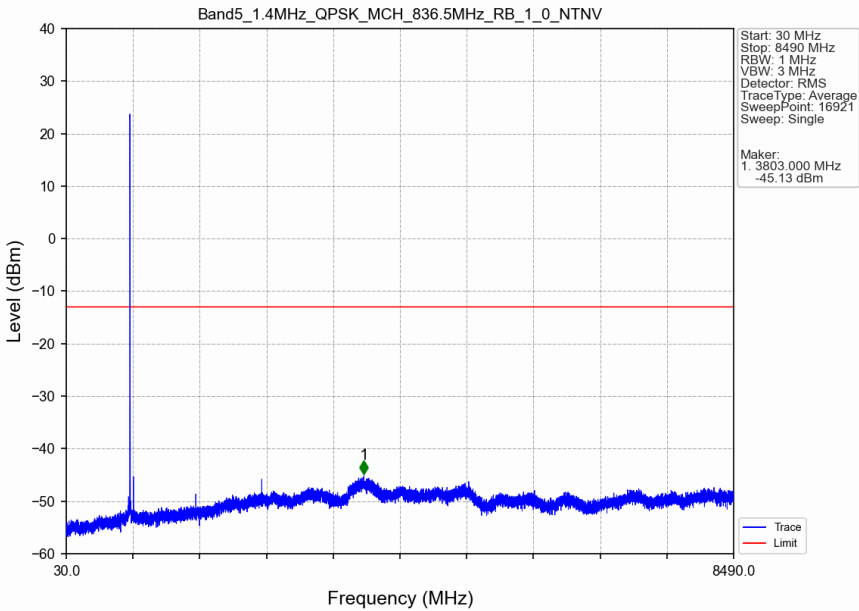


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

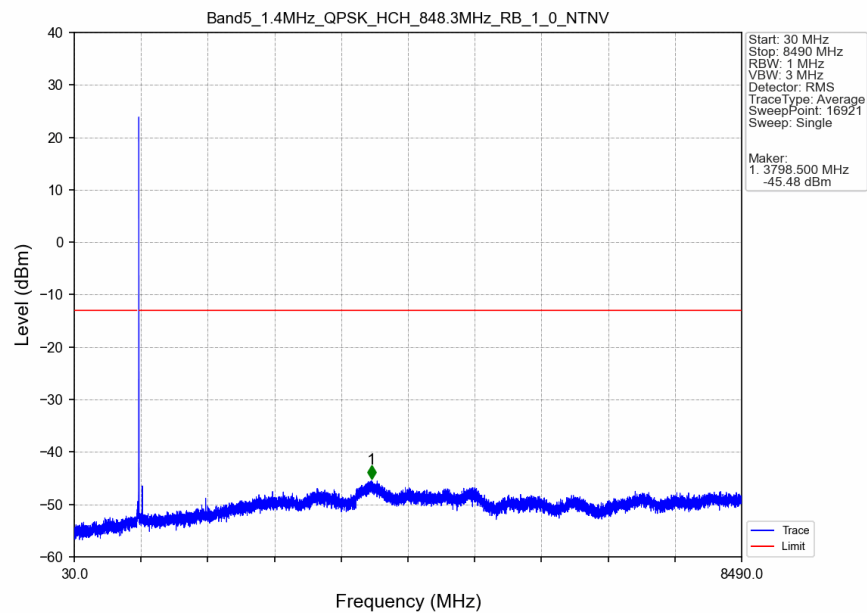


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-35.44	-13	Pass
823	824	0.014	CHP	2	823.995	-24.99	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

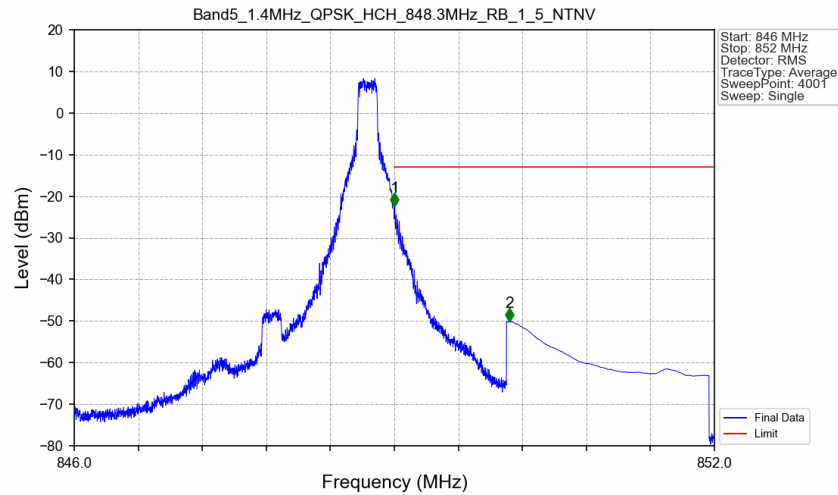
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN

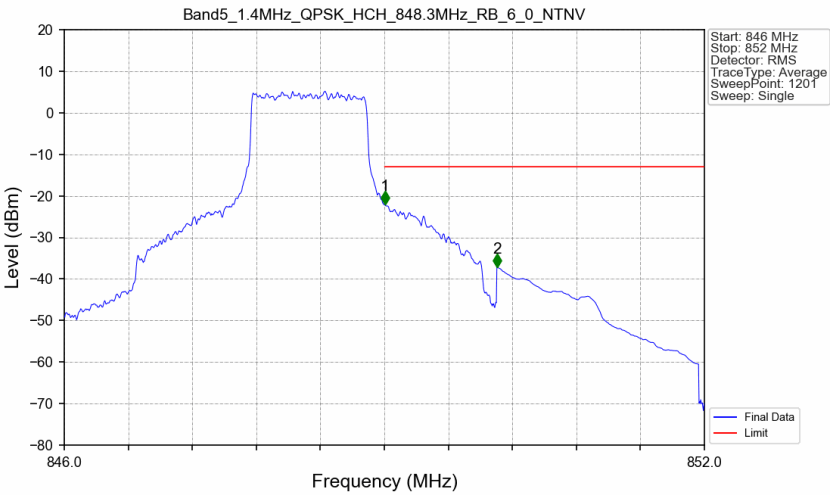


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



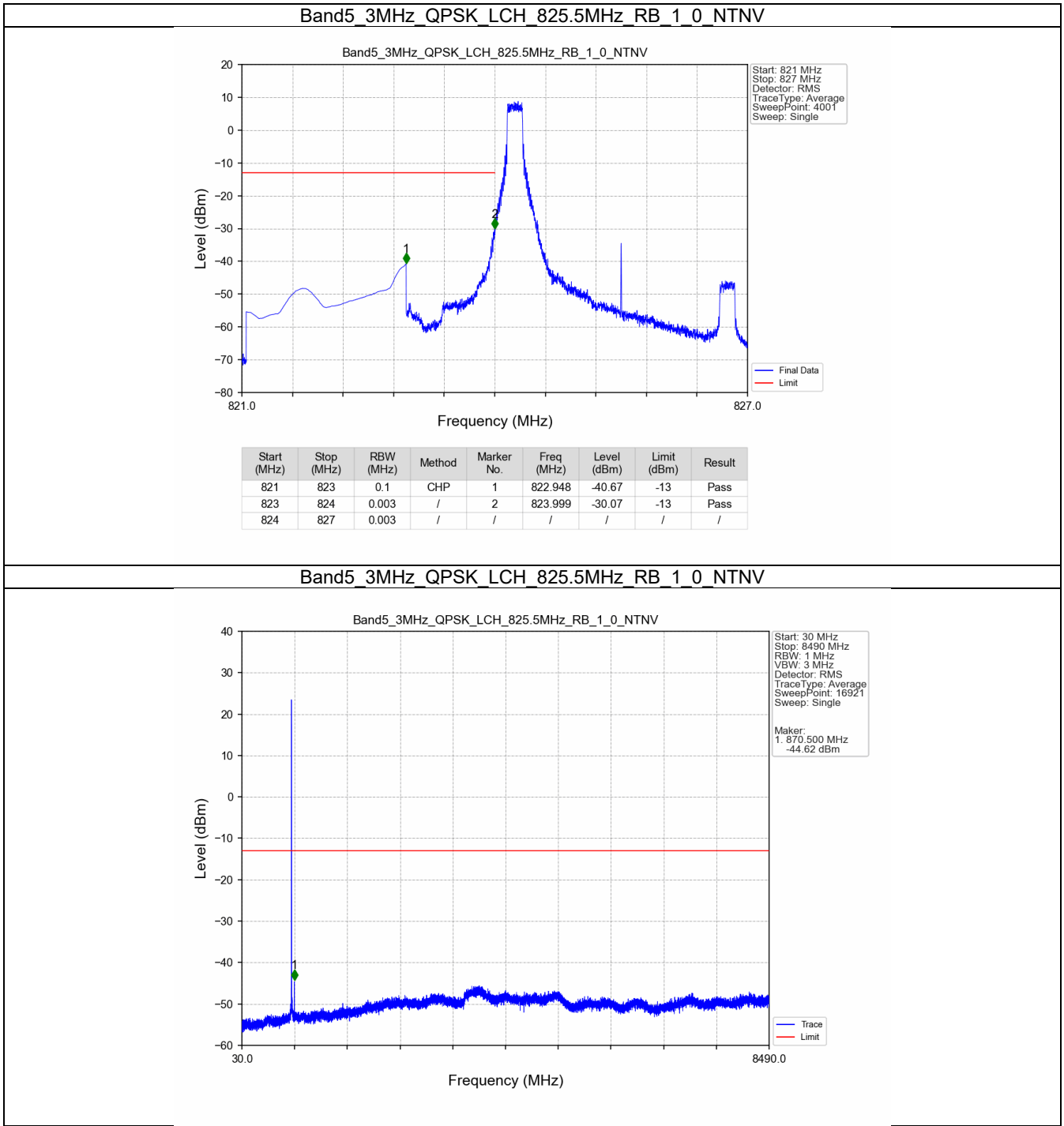
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-22.45	-13	Pass
850	852	0.1	CHP	2	850.078	-50.14	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

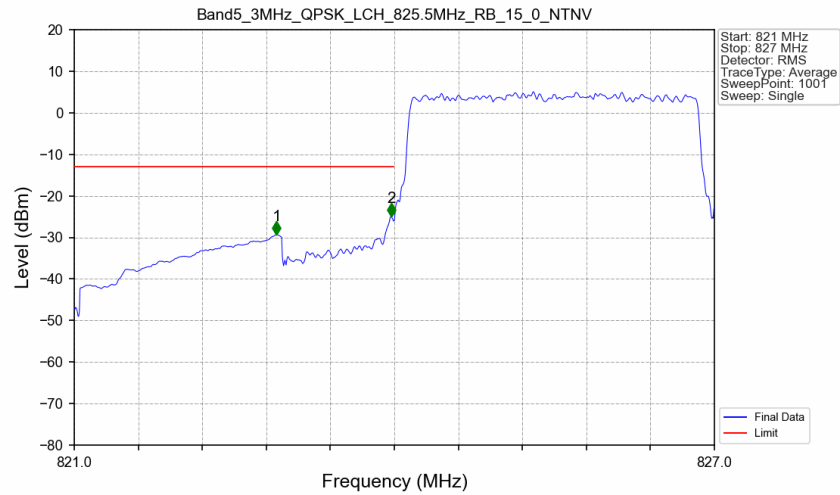


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.005	-22.05	-13	Pass
850	852	0.1	CHP	2	850.055	-37.08	-13	Pass

5.2.2 B5_3MHz

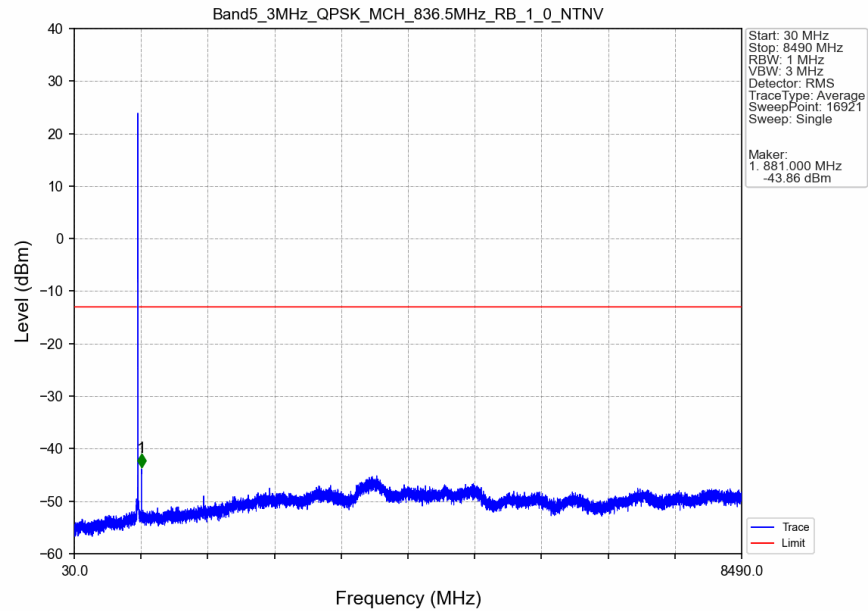


Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN

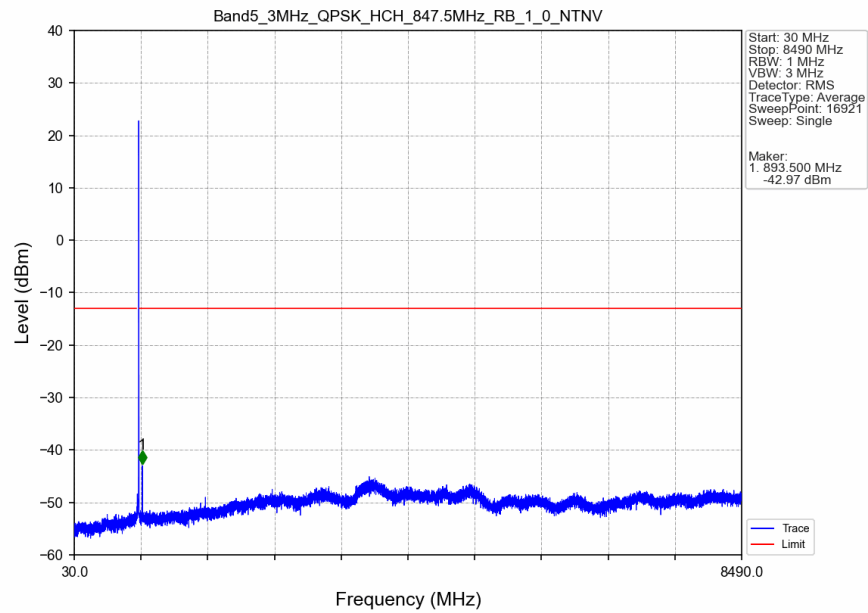


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.896	-29.32	-13	Pass
823	824	0.031	CHP	2	823.970	-25.01	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

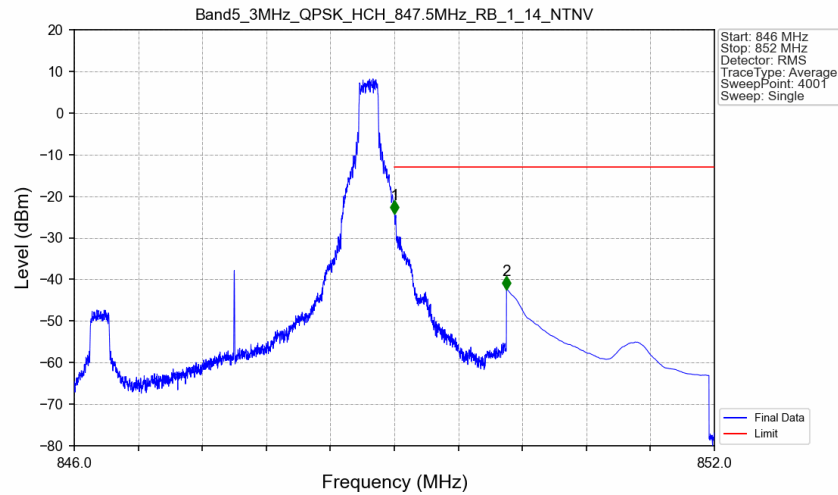
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

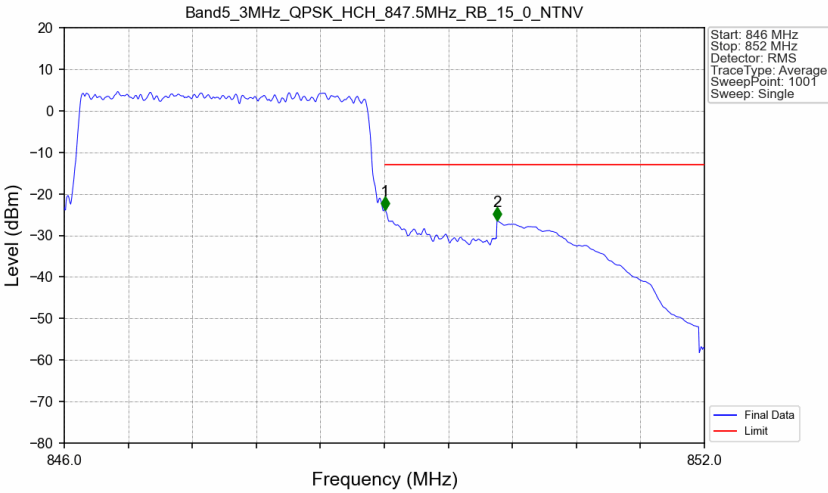


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



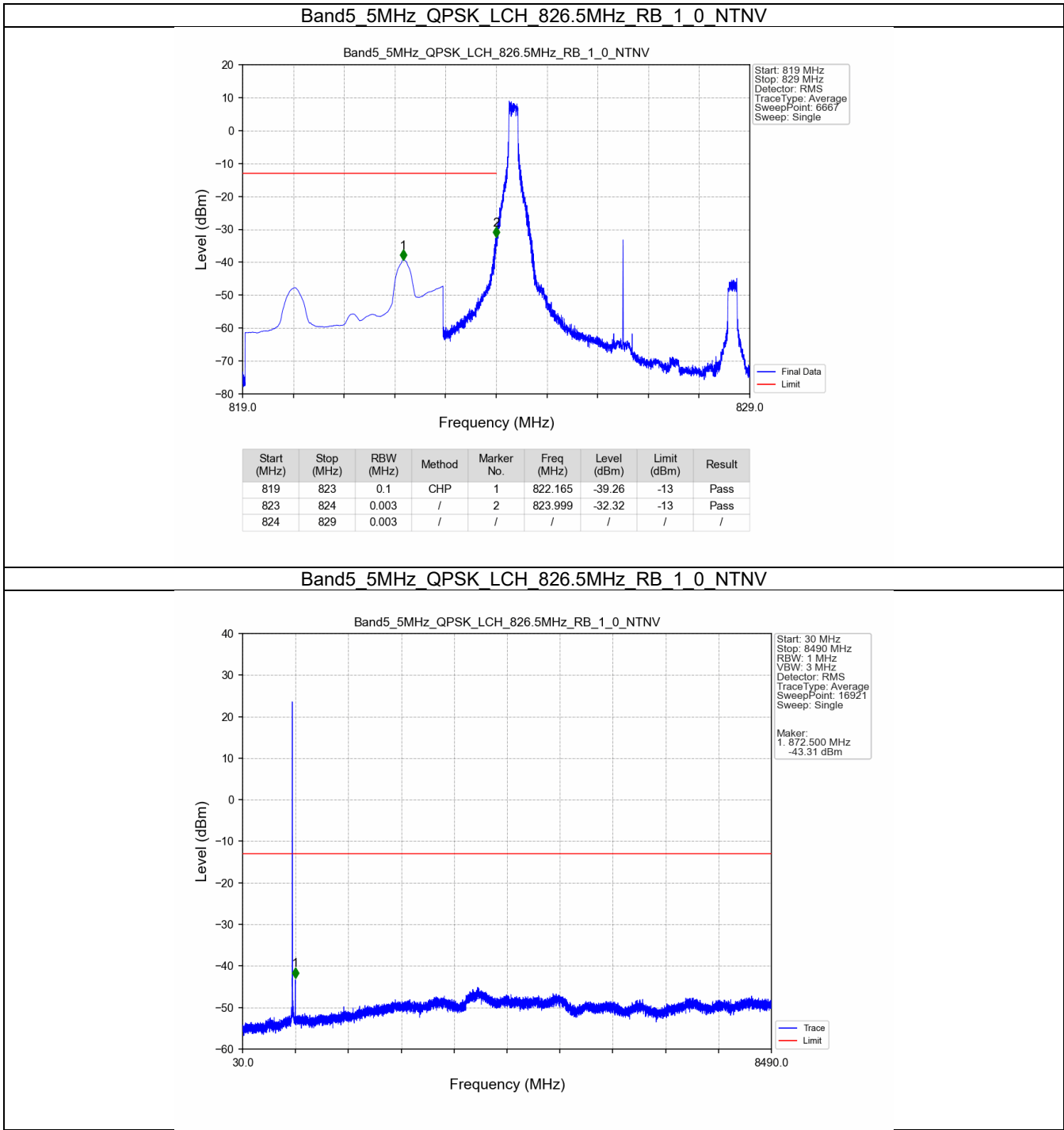
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-24.29	-13	Pass
850	852	0.1	CHP	2	850.052	-42.46	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

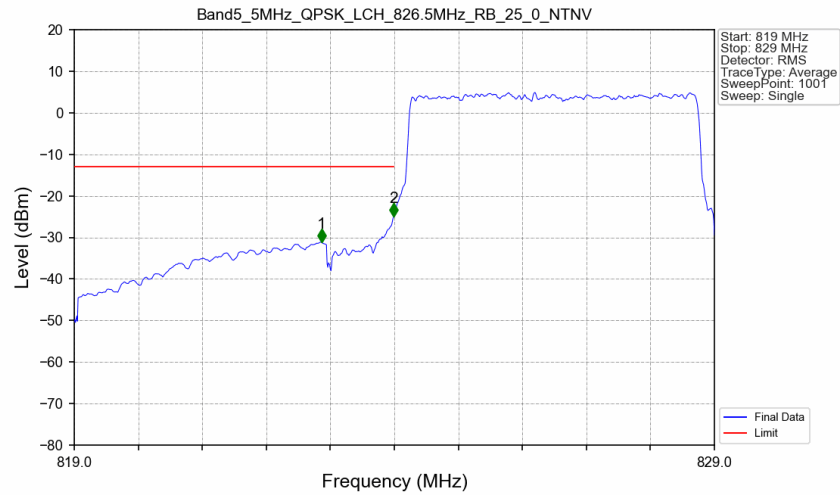


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-23.78	-13	Pass
850	852	0.1	CHP	2	850.056	-26.44	-13	Pass

5.2.3 B5_5MHz

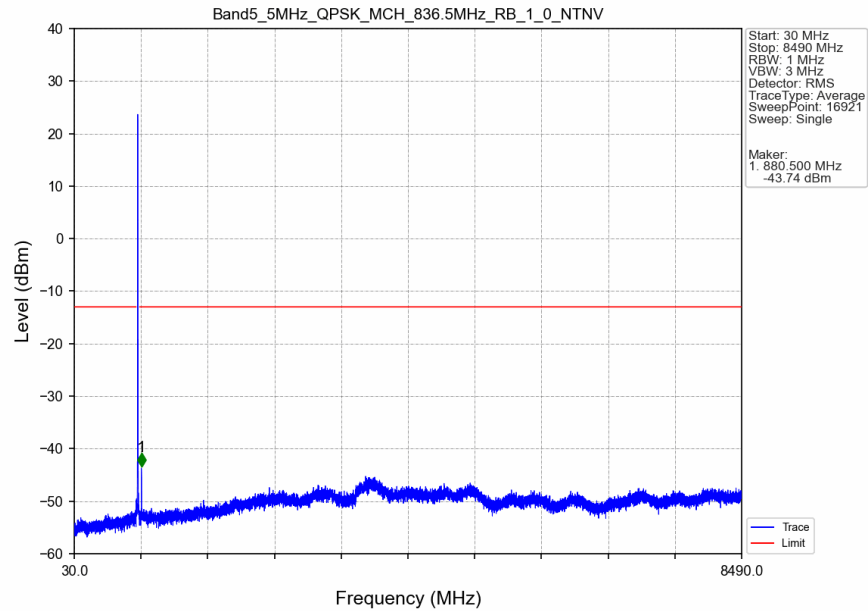


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN

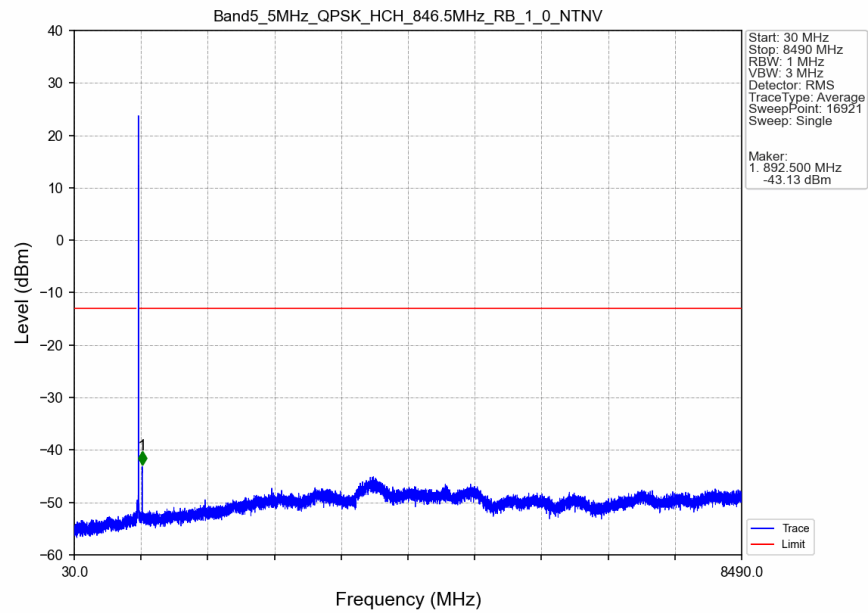


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.860	-31.15	-13	Pass
823	824	0.052	CHP	2	823.990	-24.97	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

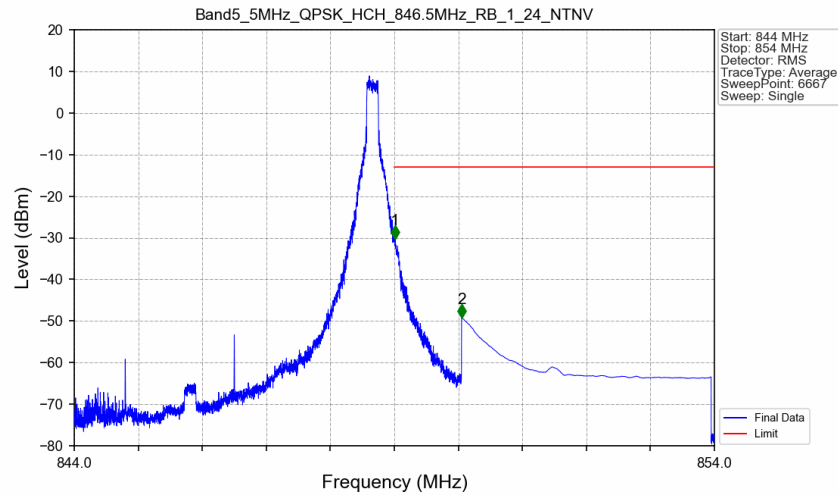
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

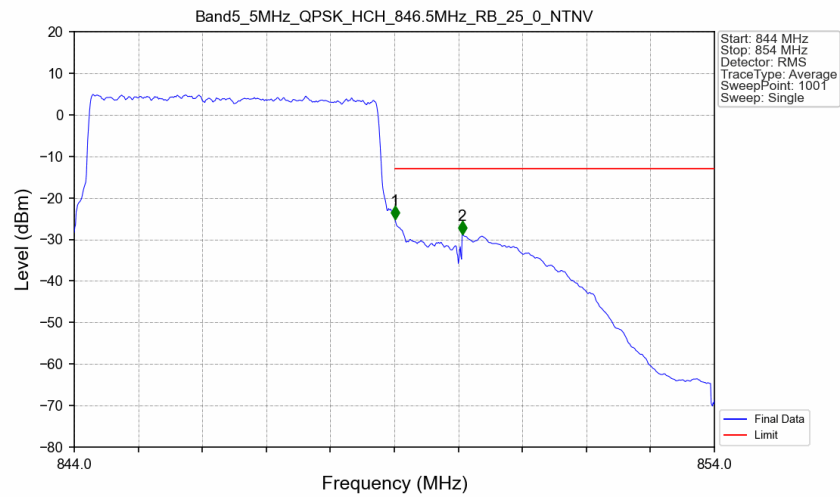


Band5_5MHz QPSK HCH 846.5MHz RB 1 24 NTN



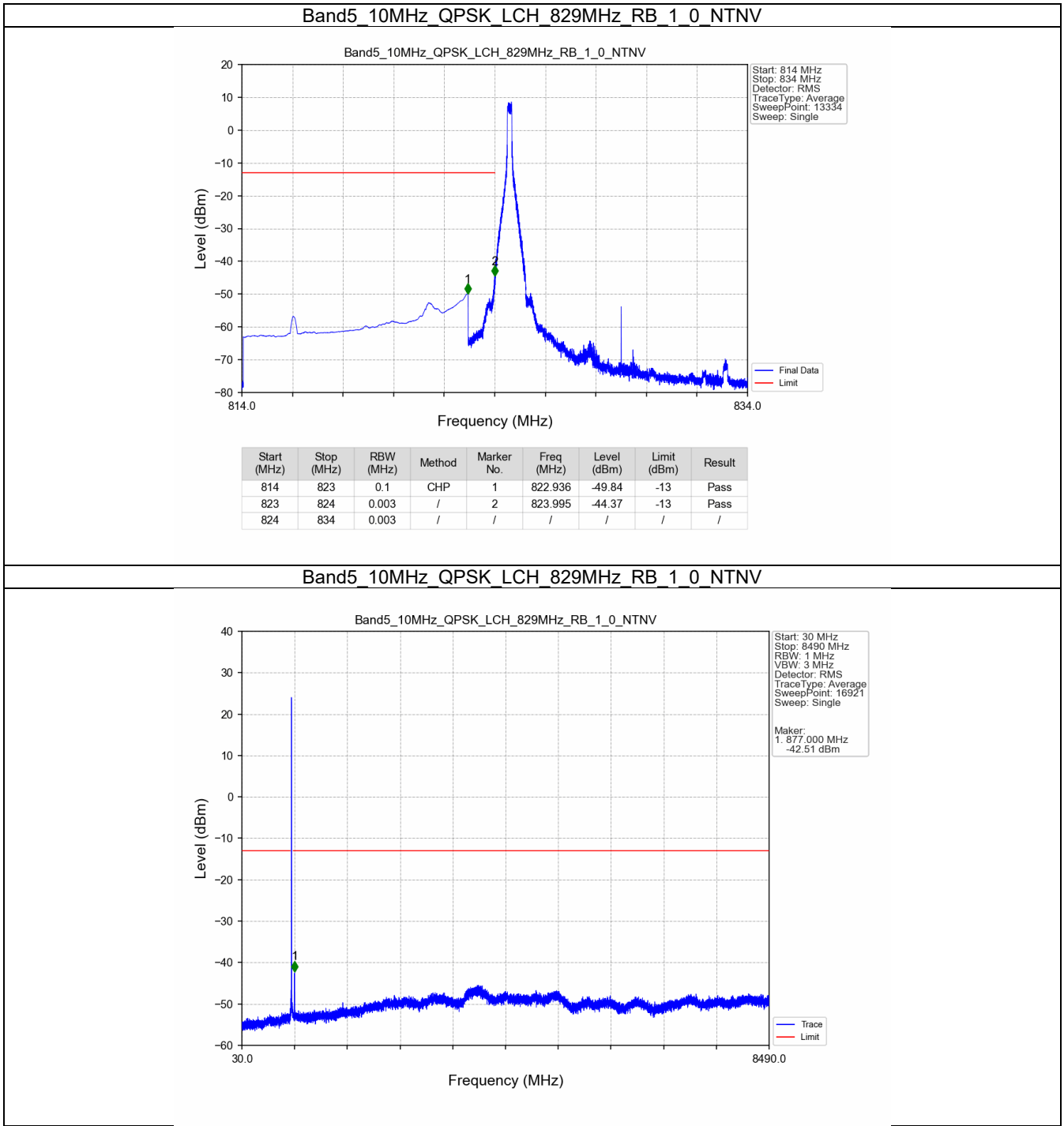
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-30.15	-13	Pass
850	854	0.1	CHP	2	850.050	-49.14	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

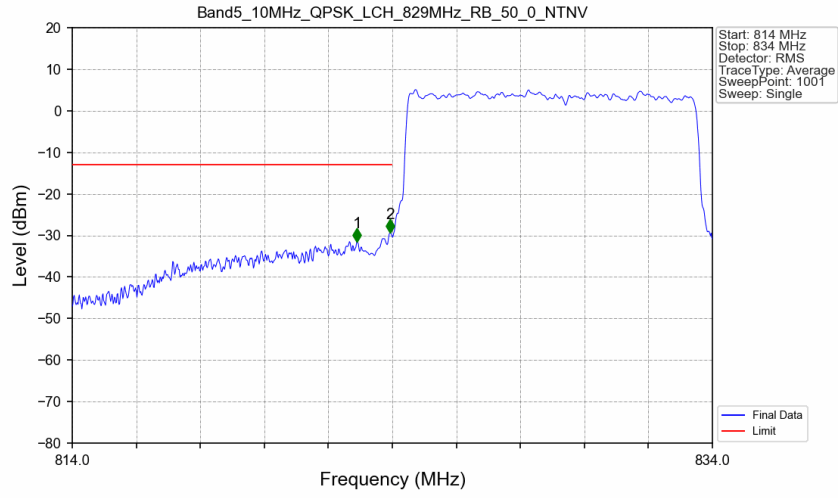


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.053	CHP	/	/	/	/	/
849	850	0.053	CHP	1	849.010	-25.13	-13	Pass
850	854	0.1	CHP	2	850.060	-28.73	-13	Pass

5.2.4 B5_10MHz

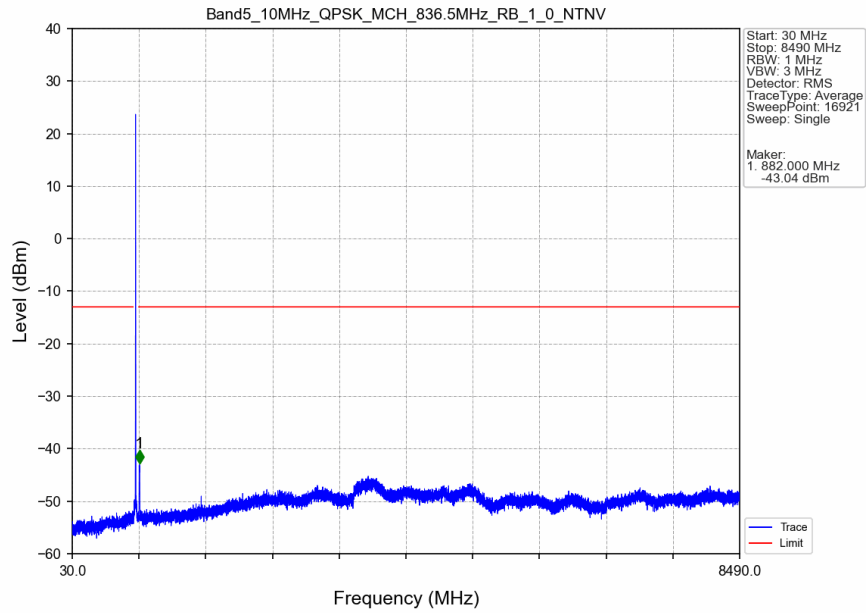


Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN

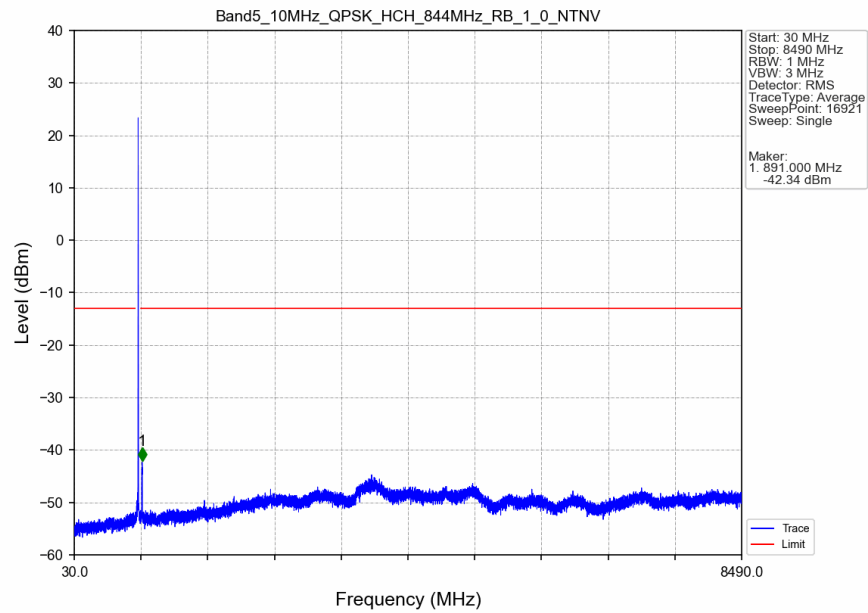


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.900	-31.48	-13	Pass
823	824	0.102	CHP	2	823.940	-29.37	-13	Pass
824	834	0.102	CHP	/	/	/	/	/

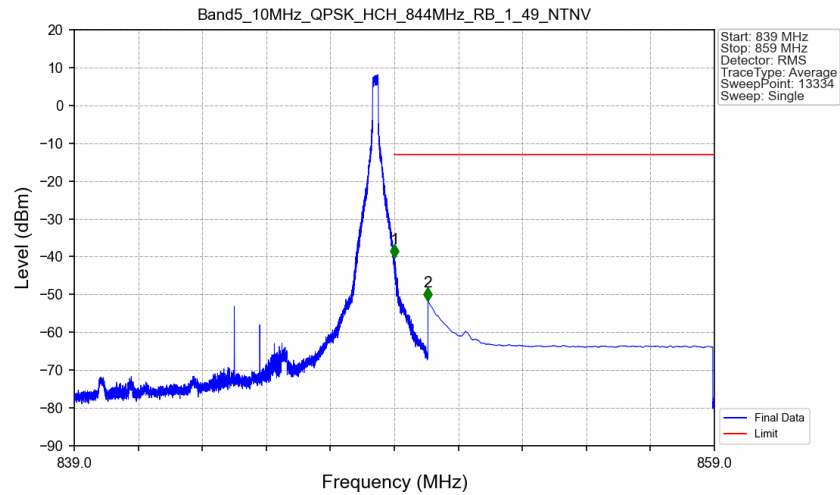
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

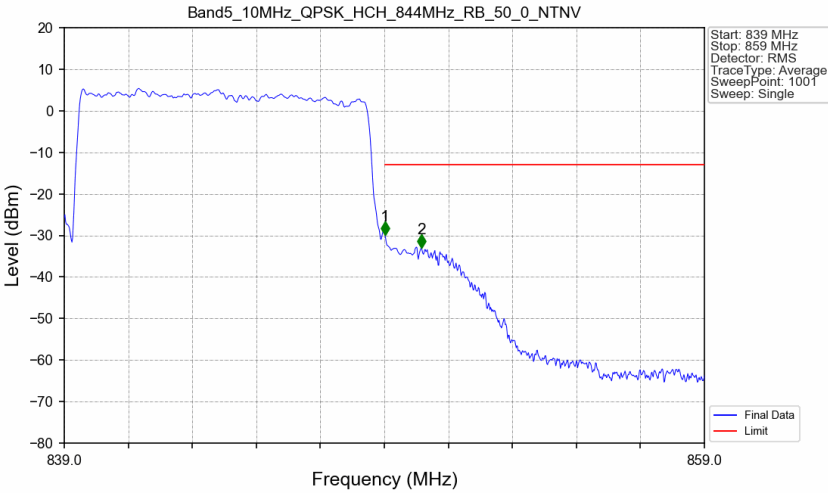


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



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	849.011	-40.30	-13	Pass
850	859	0.1	CHP	2	850.051	-51.61	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTV



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	-29.89	-13	Pass
850	859	0.1	/	2	850.160	-32.87	-13	Pass