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	24.01	1.30	23.16	<=38.45	Pass
			2	23.90	1.30	23.05	<=38.45	Pass
			5	24.00	1.30	23.15	<=38.45	Pass
		3	0	23.99	1.30	23.14	<=38.45	Pass
			2	24.01	1.30	23.16	<=38.45	Pass
			3	23.99	1.30	23.14	<=38.45	Pass
		6	0	23.03	1.30	22.18	<=38.45	Pass
	836.5	1	0	24.01	1.30	23.16	<=38.45	Pass
			2	24.00	1.30	23.15	<=38.45	Pass
			5	24.07	1.30	23.22	<=38.45	Pass
		3	0	23.95	1.30	23.10	<=38.45	Pass
			2	23.98	1.30	23.13	<=38.45	Pass
			3	23.92	1.30	23.07	<=38.45	Pass
		6	0	23.01	1.30	22.16	<=38.45	Pass
	848.3	1	0	24.06	1.30	23.21	<=38.45	Pass
			2	23.94	1.30	23.09	<=38.45	Pass
			5	23.87	1.30	23.02	<=38.45	Pass
		3	0	24.02	1.30	23.17	<=38.45	Pass
			2	24.08	1.30	23.23	<=38.45	Pass
			3	24.04	1.30	23.19	<=38.45	Pass
		6	0	23.05	1.30	22.20	<=38.45	Pass
16QAM	824.7	1	0	23.28	1.30	22.43	<=38.45	Pass
			2	23.23	1.30	22.38	<=38.45	Pass
			5	23.13	1.30	22.28	<=38.45	Pass
		3	0	22.95	1.30	22.10	<=38.45	Pass
			2	22.63	1.30	21.78	<=38.45	Pass
			3	22.84	1.30	21.99	<=38.45	Pass
		6	0	22.02	1.30	21.17	<=38.45	Pass
	836.5	1	0	23.14	1.30	22.29	<=38.45	Pass
			2	23.26	1.30	22.41	<=38.45	Pass
			5	23.10	1.30	22.25	<=38.45	Pass
		3	0	22.87	1.30	22.02	<=38.45	Pass
			2	22.93	1.30	22.08	<=38.45	Pass
			3	22.92	1.30	22.07	<=38.45	Pass
		6	0	21.99	1.30	21.14	<=38.45	Pass
	848.3	1	0	23.25	1.30	22.40	<=38.45	Pass
			2	23.17	1.30	22.32	<=38.45	Pass
			5	23.19	1.30	22.34	<=38.45	Pass
		3	0	22.96	1.30	22.11	<=38.45	Pass
			2	23.00	1.30	22.15	<=38.45	Pass
			3	23.03	1.30	22.18	<=38.45	Pass
		6	0	22.00	1.30	21.15	<=38.45	Pass
64QAM	824.7	1	0	22.20	1.30	21.35	<=38.45	Pass
			2	21.94	1.30	21.09	<=38.45	Pass
			5	21.97	1.30	21.12	<=38.45	Pass
		3	0	22.02	1.30	21.17	<=38.45	Pass
			2	22.04	1.30	21.19	<=38.45	Pass
			3	22.01	1.30	21.16	<=38.45	Pass
		6	0	20.92	1.30	20.07	<=38.45	Pass

	836.5	1	0	22.23	1.30	21.38	<=38.45	Pass
			2	22.19	1.30	21.34	<=38.45	Pass
			5	22.09	1.30	21.24	<=38.45	Pass
		3	0	21.93	1.30	21.08	<=38.45	Pass
			2	22.08	1.30	21.23	<=38.45	Pass
			3	22.01	1.30	21.16	<=38.45	Pass
		6	0	20.93	1.30	20.08	<=38.45	Pass
	848.3	1	0	22.14	1.30	21.29	<=38.45	Pass
			2	22.00	1.30	21.15	<=38.45	Pass
			5	22.12	1.30	21.27	<=38.45	Pass
		3	0	22.11	1.30	21.26	<=38.45	Pass
			2	22.07	1.30	21.22	<=38.45	Pass
			3	21.96	1.30	21.11	<=38.45	Pass
		6	0	21.00	1.30	20.15	<=38.45	Pass
256QAM	824.7	1	0	18.86	1.30	18.01	<=38.45	Pass
			2	19.08	1.30	18.23	<=38.45	Pass
			5	19.10	1.30	18.25	<=38.45	Pass
		3	0	19.07	1.30	18.22	<=38.45	Pass
			2	19.03	1.30	18.18	<=38.45	Pass
			3	19.11	1.30	18.26	<=38.45	Pass
		6	0	19.02	1.30	18.17	<=38.45	Pass
	836.5	1	0	19.12	1.30	18.27	<=38.45	Pass
			2	19.12	1.30	18.27	<=38.45	Pass
			5	19.15	1.30	18.30	<=38.45	Pass
		3	0	19.10	1.30	18.25	<=38.45	Pass
			2	19.04	1.30	18.19	<=38.45	Pass
			3	18.98	1.30	18.13	<=38.45	Pass
		6	0	18.99	1.30	18.14	<=38.45	Pass
	848.3	1	0	19.12	1.30	18.27	<=38.45	Pass
			2	19.12	1.30	18.27	<=38.45	Pass
			5	19.19	1.30	18.34	<=38.45	Pass
		3	0	19.11	1.30	18.26	<=38.45	Pass
			2	19.23	1.30	18.38	<=38.45	Pass
			3	19.24	1.30	18.39	<=38.45	Pass
		6	0	19.08	1.30	18.23	<=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	1.30	23.07	<=38.45	Pass
			7	23.89	1.30	23.04	<=38.45	Pass
			14	23.98	1.30	23.13	<=38.45	Pass
		8	0	23.02	1.30	22.17	<=38.45	Pass
			4	23.02	1.30	22.17	<=38.45	Pass
			7	22.98	1.30	22.13	<=38.45	Pass
		15	0	22.98	1.30	22.13	<=38.45	Pass
	836.5	1	0	24.05	1.30	23.20	<=38.45	Pass
			7	24.03	1.30	23.18	<=38.45	Pass
			14	23.99	1.30	23.14	<=38.45	Pass
		8	0	23.04	1.30	22.19	<=38.45	Pass
			4	22.99	1.30	22.14	<=38.45	Pass
			7	23.00	1.30	22.15	<=38.45	Pass
		15	0	22.99	1.30	22.14	<=38.45	Pass
	847.5	1	0	23.99	1.30	23.14	<=38.45	Pass

			7	24.00	1.30	23.15	<=38.45	Pass
			14	24.01	1.30	23.16	<=38.45	Pass
		8	0	23.10	1.30	22.25	<=38.45	Pass
			4	23.02	1.30	22.17	<=38.45	Pass
			7	23.06	1.30	22.21	<=38.45	Pass
		15	0	23.04	1.30	22.19	<=38.45	Pass
16QAM	825.5	1	0	23.25	1.30	22.40	<=38.45	Pass
			7	23.24	1.30	22.39	<=38.45	Pass
			14	23.08	1.30	22.23	<=38.45	Pass
		8	0	22.09	1.30	21.24	<=38.45	Pass
			4	22.07	1.30	21.22	<=38.45	Pass
			7	22.05	1.30	21.20	<=38.45	Pass
		15	0	22.02	1.30	21.17	<=38.45	Pass
	836.5	1	0	23.23	1.30	22.38	<=38.45	Pass
			7	23.30	1.30	22.45	<=38.45	Pass
			14	23.20	1.30	22.35	<=38.45	Pass
		8	0	22.08	1.30	21.23	<=38.45	Pass
			4	22.05	1.30	21.20	<=38.45	Pass
			7	22.07	1.30	21.22	<=38.45	Pass
		15	0	22.02	1.30	21.17	<=38.45	Pass
	847.5	1	0	23.26	1.30	22.41	<=38.45	Pass
			7	23.15	1.30	22.30	<=38.45	Pass
			14	23.27	1.30	22.42	<=38.45	Pass
		8	0	22.10	1.30	21.25	<=38.45	Pass
			4	22.07	1.30	21.22	<=38.45	Pass
			7	21.98	1.30	21.13	<=38.45	Pass
		15	0	22.11	1.30	21.26	<=38.45	Pass
64QAM	825.5	1	0	21.75	1.30	20.90	<=38.45	Pass
			7	21.68	1.30	20.83	<=38.45	Pass
			14	21.58	1.30	20.73	<=38.45	Pass
		8	0	21.09	1.30	20.24	<=38.45	Pass
			4	21.04	1.30	20.19	<=38.45	Pass
			7	21.01	1.30	20.16	<=38.45	Pass
		15	0	21.00	1.30	20.15	<=38.45	Pass
	836.5	1	0	22.09	1.30	21.24	<=38.45	Pass
			7	22.24	1.30	21.39	<=38.45	Pass
			14	22.15	1.30	21.30	<=38.45	Pass
		8	0	21.08	1.30	20.23	<=38.45	Pass
			4	21.03	1.30	20.18	<=38.45	Pass
			7	21.04	1.30	20.19	<=38.45	Pass
		15	0	21.01	1.30	20.16	<=38.45	Pass
	847.5	1	0	22.08	1.30	21.23	<=38.45	Pass
			7	22.22	1.30	21.37	<=38.45	Pass
			14	22.03	1.30	21.18	<=38.45	Pass
		8	0	21.17	1.30	20.32	<=38.45	Pass
			4	21.07	1.30	20.22	<=38.45	Pass
			7	21.00	1.30	20.15	<=38.45	Pass
		15	0	21.06	1.30	20.21	<=38.45	Pass
256QAM	825.5	1	0	19.02	1.30	18.17	<=38.45	Pass
			7	19.02	1.30	18.17	<=38.45	Pass
			14	19.17	1.30	18.32	<=38.45	Pass
		8	0	19.01	1.30	18.16	<=38.45	Pass
			4	19.07	1.30	18.22	<=38.45	Pass
			7	19.05	1.30	18.20	<=38.45	Pass
		15	0	19.06	1.30	18.21	<=38.45	Pass
	836.5	1	0	19.04	1.30	18.19	<=38.45	Pass
			7	19.07	1.30	18.22	<=38.45	Pass
			14	19.10	1.30	18.25	<=38.45	Pass
		8	0	19.05	1.30	18.20	<=38.45	Pass

			4	19.01	1.30	18.16	<=38.45	Pass
			7	18.98	1.30	18.13	<=38.45	Pass
		15	0	19.01	1.30	18.16	<=38.45	Pass
	847.5	1	0	19.11	1.30	18.26	<=38.45	Pass
			7	19.09	1.30	18.24	<=38.45	Pass
			14	19.17	1.30	18.32	<=38.45	Pass
		8	0	19.07	1.30	18.22	<=38.45	Pass
			4	19.07	1.30	18.22	<=38.45	Pass
			7	19.06	1.30	18.21	<=38.45	Pass
		15	0	19.03	1.30	18.18	<=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	23.98	1.30	23.13	<=38.45	Pass
			13	23.80	1.30	22.95	<=38.45	Pass
			24	23.87	1.30	23.02	<=38.45	Pass
		12	0	23.06	1.30	22.21	<=38.45	Pass
			6	22.99	1.30	22.14	<=38.45	Pass
			13	22.98	1.30	22.13	<=38.45	Pass
		25	0	22.80	1.30	21.95	<=38.45	Pass
	836.5	1	0	24.04	1.30	23.19	<=38.45	Pass
			13	23.94	1.30	23.09	<=38.45	Pass
			24	23.96	1.30	23.11	<=38.45	Pass
		12	0	23.01	1.30	22.16	<=38.45	Pass
			6	22.99	1.30	22.14	<=38.45	Pass
			13	22.99	1.30	22.14	<=38.45	Pass
		25	0	23.04	1.30	22.19	<=38.45	Pass
	846.5	1	0	24.10	1.30	23.25	<=38.45	Pass
			13	24.01	1.30	23.16	<=38.45	Pass
			24	23.99	1.30	23.14	<=38.45	Pass
		12	0	23.16	1.30	22.31	<=38.45	Pass
			6	23.06	1.30	22.21	<=38.45	Pass
			13	22.99	1.30	22.14	<=38.45	Pass
		25	0	23.06	1.30	22.21	<=38.45	Pass
16QAM	826.5	1	0	22.88	1.30	22.03	<=38.45	Pass
			13	23.03	1.30	22.18	<=38.45	Pass
			24	23.06	1.30	22.21	<=38.45	Pass
		12	0	21.87	1.30	21.02	<=38.45	Pass
			6	22.01	1.30	21.16	<=38.45	Pass
			13	21.95	1.30	21.10	<=38.45	Pass
		25	0	22.03	1.30	21.18	<=38.45	Pass
	836.5	1	0	23.24	1.30	22.39	<=38.45	Pass
			13	22.97	1.30	22.12	<=38.45	Pass
			24	23.06	1.30	22.21	<=38.45	Pass
		12	0	22.07	1.30	21.22	<=38.45	Pass
			6	22.01	1.30	21.16	<=38.45	Pass
			13	21.95	1.30	21.10	<=38.45	Pass
		25	0	22.05	1.30	21.20	<=38.45	Pass
	846.5	1	0	23.42	1.30	22.57	<=38.45	Pass
			13	23.08	1.30	22.23	<=38.45	Pass
			24	23.03	1.30	22.18	<=38.45	Pass
		12	0	22.17	1.30	21.32	<=38.45	Pass
			6	22.07	1.30	21.22	<=38.45	Pass

			13	21.98	1.30	21.13	<=38.45	Pass
		25	0	22.14	1.30	21.29	<=38.45	Pass
64QAM	826.5	1	0	22.07	1.30	21.22	<=38.45	Pass
			13	21.82	1.30	20.97	<=38.45	Pass
			24	21.44	1.30	20.59	<=38.45	Pass
		12	0	21.07	1.30	20.22	<=38.45	Pass
			6	21.04	1.30	20.19	<=38.45	Pass
			13	21.00	1.30	20.15	<=38.45	Pass
		25	0	20.96	1.30	20.11	<=38.45	Pass
	836.5	1	0	22.22	1.30	21.37	<=38.45	Pass
			13	21.83	1.30	20.98	<=38.45	Pass
			24	22.11	1.30	21.26	<=38.45	Pass
		12	0	21.03	1.30	20.18	<=38.45	Pass
			6	21.03	1.30	20.18	<=38.45	Pass
			13	20.99	1.30	20.14	<=38.45	Pass
		25	0	21.02	1.30	20.17	<=38.45	Pass
	846.5	1	0	22.21	1.30	21.36	<=38.45	Pass
			13	22.19	1.30	21.34	<=38.45	Pass
			24	21.38	1.30	20.53	<=38.45	Pass
		12	0	21.18	1.30	20.33	<=38.45	Pass
			6	21.12	1.30	20.27	<=38.45	Pass
			13	21.07	1.30	20.22	<=38.45	Pass
		25	0	21.03	1.30	20.18	<=38.45	Pass
256QAM	826.5	1	0	19.15	1.30	18.30	<=38.45	Pass
			13	19.08	1.30	18.23	<=38.45	Pass
			24	19.08	1.30	18.23	<=38.45	Pass
		12	0	19.09	1.30	18.24	<=38.45	Pass
			6	19.07	1.30	18.22	<=38.45	Pass
			13	19.03	1.30	18.18	<=38.45	Pass
		25	0	19.08	1.30	18.23	<=38.45	Pass
	836.5	1	0	19.13	1.30	18.28	<=38.45	Pass
			13	19.00	1.30	18.15	<=38.45	Pass
			24	19.13	1.30	18.28	<=38.45	Pass
		12	0	19.00	1.30	18.15	<=38.45	Pass
			6	19.03	1.30	18.18	<=38.45	Pass
			13	19.00	1.30	18.15	<=38.45	Pass
		25	0	19.00	1.30	18.15	<=38.45	Pass
	846.5	1	0	19.12	1.30	18.27	<=38.45	Pass
			13	19.01	1.30	18.16	<=38.45	Pass
			24	19.18	1.30	18.33	<=38.45	Pass
		12	0	19.03	1.30	18.18	<=38.45	Pass
			6	19.04	1.30	18.19	<=38.45	Pass
			13	19.02	1.30	18.17	<=38.45	Pass
		25	0	19.06	1.30	18.21	<=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	24.02	1.30	23.17	<=38.45	Pass
			25	23.89	1.30	23.04	<=38.45	Pass
			49	24.04	1.30	23.19	<=38.45	Pass
		25	0	23.02	1.30	22.17	<=38.45	Pass
			13	22.99	1.30	22.14	<=38.45	Pass
			25	23.00	1.30	22.15	<=38.45	Pass

		50	0	23.01	1.30	22.16	<=38.45	Pass
	836.5	1	0	24.03	1.30	23.18	<=38.45	Pass
			25	24.02	1.30	23.17	<=38.45	Pass
			49	23.97	1.30	23.12	<=38.45	Pass
		25	0	22.96	1.30	22.11	<=38.45	Pass
			13	22.98	1.30	22.13	<=38.45	Pass
			25	22.94	1.30	22.09	<=38.45	Pass
		50	0	22.97	1.30	22.12	<=38.45	Pass
	844	1	0	24.09	1.30	23.24	<=38.45	Pass
			25	24.07	1.30	23.22	<=38.45	Pass
			49	23.99	1.30	23.14	<=38.45	Pass
		25	0	23.05	1.30	22.20	<=38.45	Pass
			13	23.06	1.30	22.21	<=38.45	Pass
			25	22.99	1.30	22.14	<=38.45	Pass
		50	0	23.04	1.30	22.19	<=38.45	Pass
16QAM	829	1	0	23.10	1.30	22.25	<=38.45	Pass
			25	23.09	1.30	22.24	<=38.45	Pass
			49	23.04	1.30	22.19	<=38.45	Pass
		25	0	22.02	1.30	21.17	<=38.45	Pass
			13	21.95	1.30	21.10	<=38.45	Pass
			25	22.03	1.30	21.18	<=38.45	Pass
		50	0	22.01	1.30	21.16	<=38.45	Pass
	836.5	1	0	22.99	1.30	22.14	<=38.45	Pass
			25	23.14	1.30	22.29	<=38.45	Pass
			49	23.14	1.30	22.29	<=38.45	Pass
		25	0	22.00	1.30	21.15	<=38.45	Pass
			13	21.99	1.30	21.14	<=38.45	Pass
			25	21.94	1.30	21.09	<=38.45	Pass
		50	0	22.00	1.30	21.15	<=38.45	Pass
	844	1	0	23.33	1.30	22.48	<=38.45	Pass
			25	23.21	1.30	22.36	<=38.45	Pass
			49	23.23	1.30	22.38	<=38.45	Pass
		25	0	22.09	1.30	21.24	<=38.45	Pass
			13	22.06	1.30	21.21	<=38.45	Pass
			25	22.00	1.30	21.15	<=38.45	Pass
		50	0	22.06	1.30	21.21	<=38.45	Pass
64QAM	829	1	0	21.95	1.30	21.10	<=38.45	Pass
			25	21.75	1.30	20.90	<=38.45	Pass
			49	21.50	1.30	20.65	<=38.45	Pass
		25	0	20.99	1.30	20.14	<=38.45	Pass
			13	20.98	1.30	20.13	<=38.45	Pass
			25	21.00	1.30	20.15	<=38.45	Pass
		50	0	20.98	1.30	20.13	<=38.45	Pass
	836.5	1	0	22.10	1.30	21.25	<=38.45	Pass
			25	21.89	1.30	21.04	<=38.45	Pass
			49	21.73	1.30	20.88	<=38.45	Pass
		25	0	20.93	1.30	20.08	<=38.45	Pass
			13	20.97	1.30	20.12	<=38.45	Pass
			25	20.90	1.30	20.05	<=38.45	Pass
		50	0	20.95	1.30	20.10	<=38.45	Pass
	844	1	0	22.08	1.30	21.23	<=38.45	Pass
			25	22.15	1.30	21.30	<=38.45	Pass
			49	22.18	1.30	21.33	<=38.45	Pass
		25	0	21.08	1.30	20.23	<=38.45	Pass
			13	21.07	1.30	20.22	<=38.45	Pass
			25	21.01	1.30	20.16	<=38.45	Pass
		50	0	21.04	1.30	20.19	<=38.45	Pass
256QAM	829	1	0	19.00	1.30	18.15	<=38.45	Pass
			25	18.94	1.30	18.09	<=38.45	Pass

			49	19.09	1.30	18.24	<=38.45	Pass
		25	0	19.10	1.30	18.25	<=38.45	Pass
			13	19.05	1.30	18.20	<=38.45	Pass
			25	19.03	1.30	18.18	<=38.45	Pass
		50	0	19.05	1.30	18.20	<=38.45	Pass
	836.5	1	0	18.91	1.30	18.06	<=38.45	Pass
			25	19.08	1.30	18.23	<=38.45	Pass
			49	19.08	1.30	18.23	<=38.45	Pass
		25	0	19.04	1.30	18.19	<=38.45	Pass
			13	19.01	1.30	18.16	<=38.45	Pass
			25	19.00	1.30	18.15	<=38.45	Pass
		50	0	18.99	1.30	18.14	<=38.45	Pass
	844	1	0	19.29	1.30	18.44	<=38.45	Pass
			25	19.13	1.30	18.28	<=38.45	Pass
			49	19.18	1.30	18.33	<=38.45	Pass
		25	0	19.13	1.30	18.28	<=38.45	Pass
			13	19.02	1.30	18.17	<=38.45	Pass
			25	19.05	1.30	18.20	<=38.45	Pass
		50	0	19.02	1.30	18.17	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	3.8	-1.800	-0.0022	-2.5 to 2.5	Pass
					4	-4.200	-0.0050	-2.5 to 2.5	Pass
					4.2	-6.500	-0.0078	-2.5 to 2.5	Pass
				-30	4	-7.300	-0.0087	-2.5 to 2.5	Pass
				-20	4	-5.600	-0.0067	-2.5 to 2.5	Pass
				-10	4	-2.000	-0.0024	-2.5 to 2.5	Pass
				0	4	-6.000	-0.0072	-2.5 to 2.5	Pass
				10	4	-1.700	-0.0020	-2.5 to 2.5	Pass
				30	4	-4.300	-0.0051	-2.5 to 2.5	Pass
				40	4	-2.500	-0.0030	-2.5 to 2.5	Pass
				50	4	-6.000	-0.0072	-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	1.115	/	Pass
	16QAM	836.5	6	0	1.109	/	Pass
3	QPSK	836.5	15	0	2.721	/	Pass
	16QAM	836.5	15	0	2.727	/	Pass
5	QPSK	836.5	25	0	4.521	/	Pass
	16QAM	836.5	25	0	4.532	/	Pass
10	QPSK	836.5	50	0	9.039	/	Pass
	16QAM	836.5	50	0	9.023	/	Pass

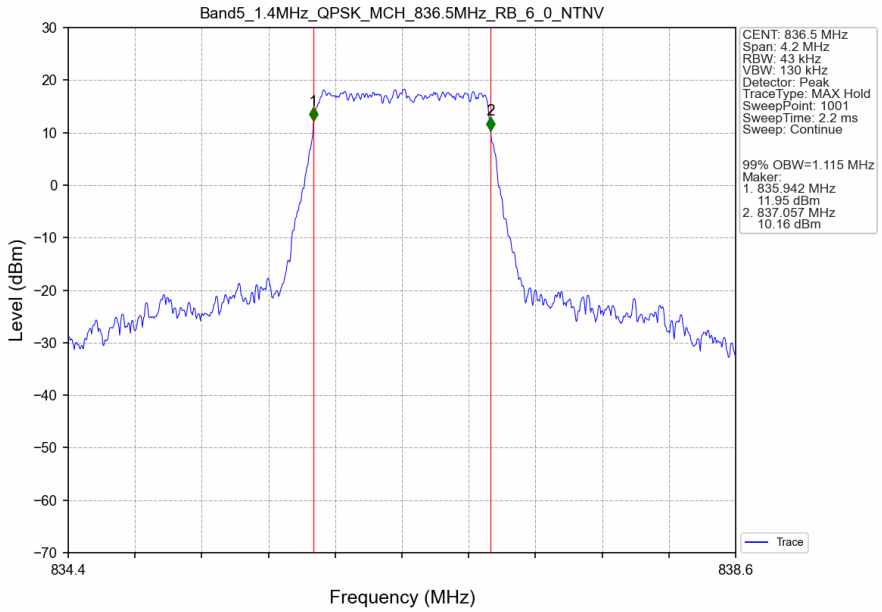
3.1.2 Band5_XDB

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	1.337	/	Pass
	16QAM	836.5	6	0	1.322	/	Pass
3	QPSK	836.5	15	0	3.042	/	Pass
	16QAM	836.5	15	0	3.022	/	Pass
5	QPSK	836.5	25	0	5.039	/	Pass
	16QAM	836.5	25	0	5.036	/	Pass
10	QPSK	836.5	50	0	9.919	/	Pass
	16QAM	836.5	50	0	9.871	/	Pass

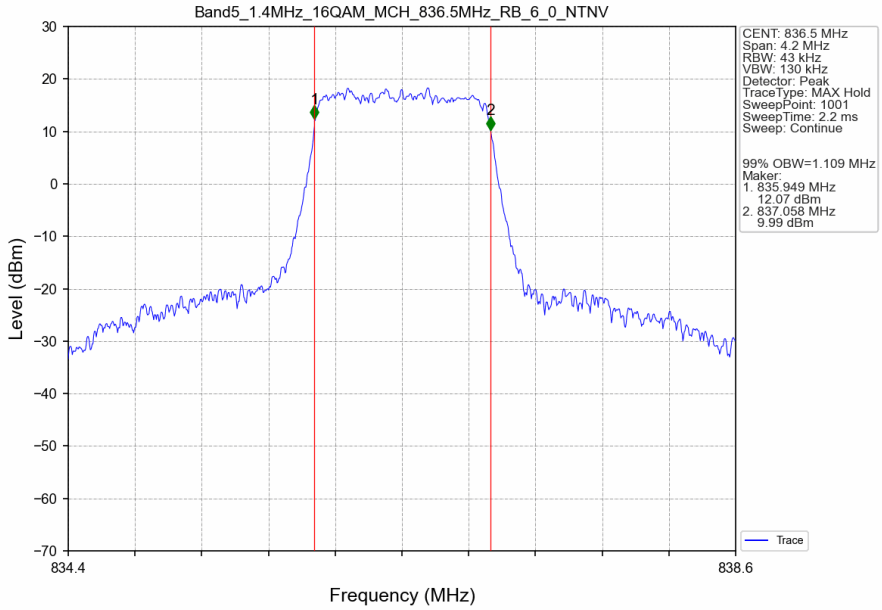
3.2 Test Graph

3.2.1 Band5_OBW

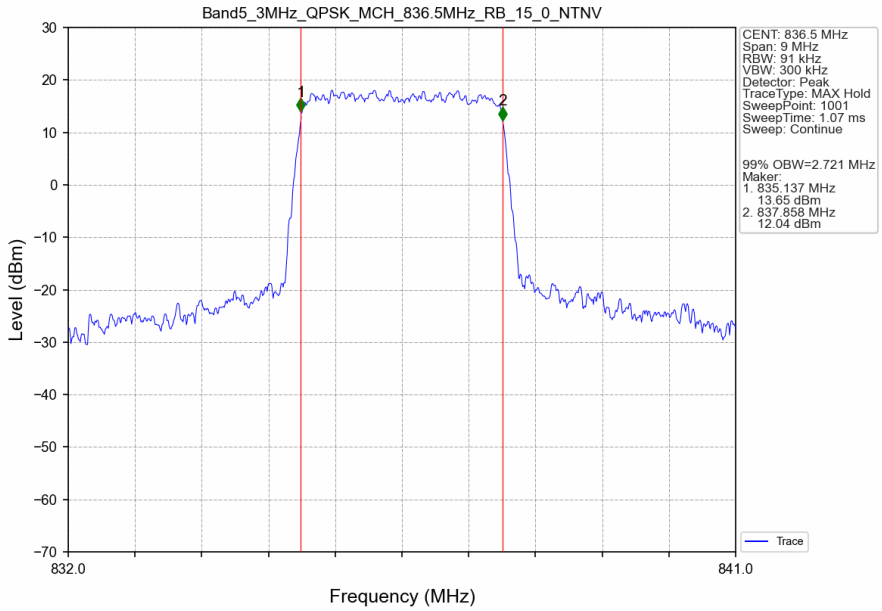
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



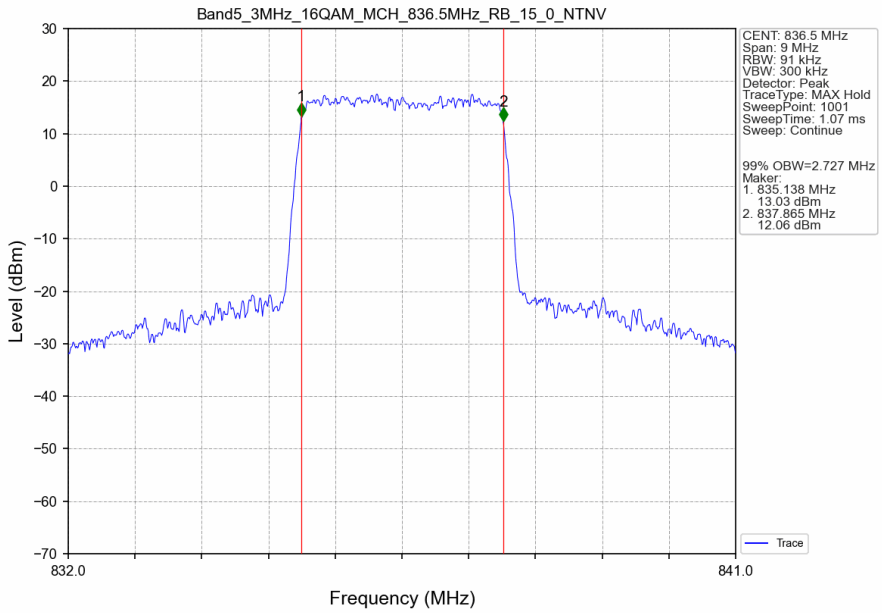
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



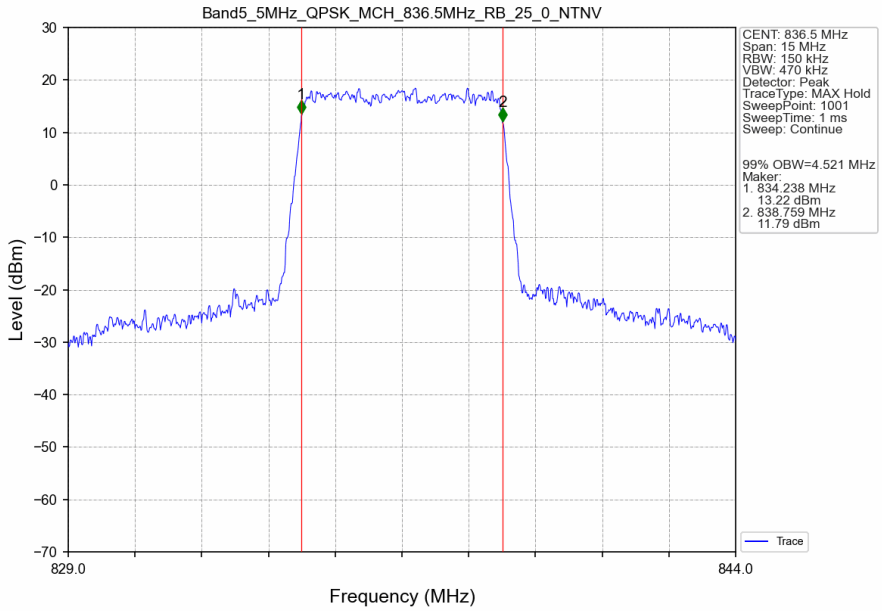
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



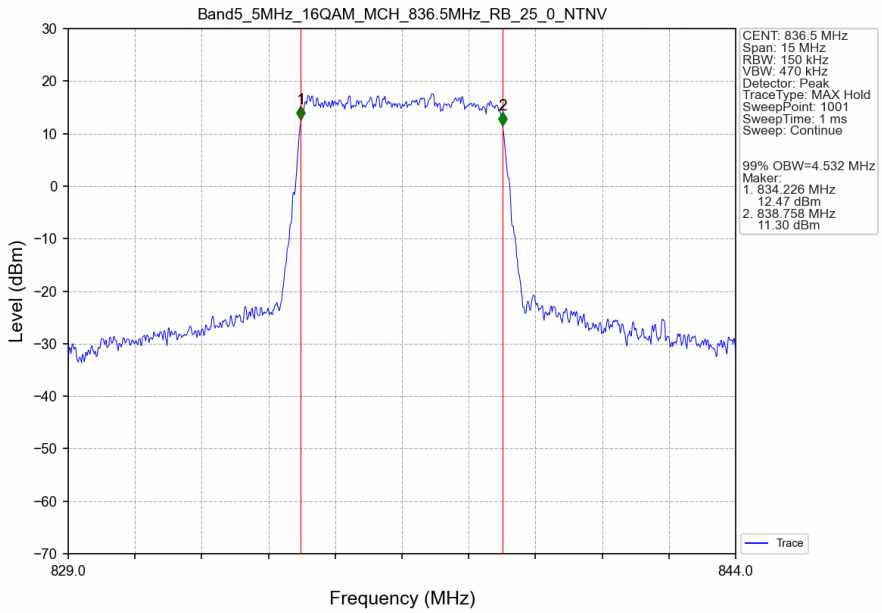
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



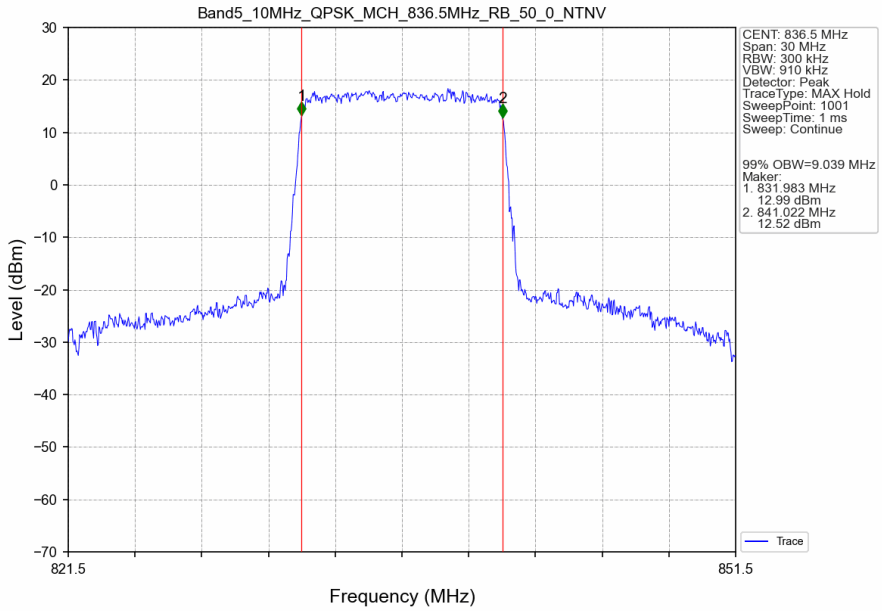
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



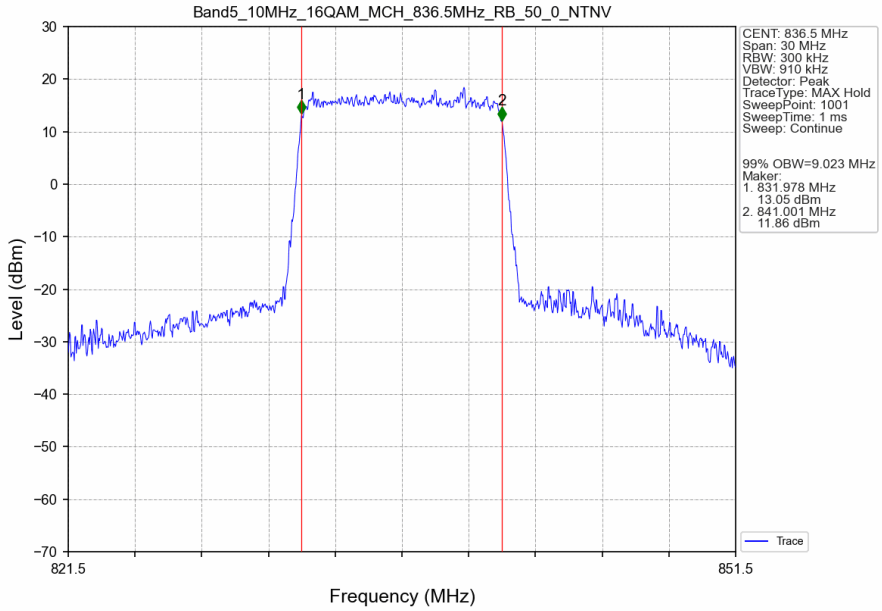
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



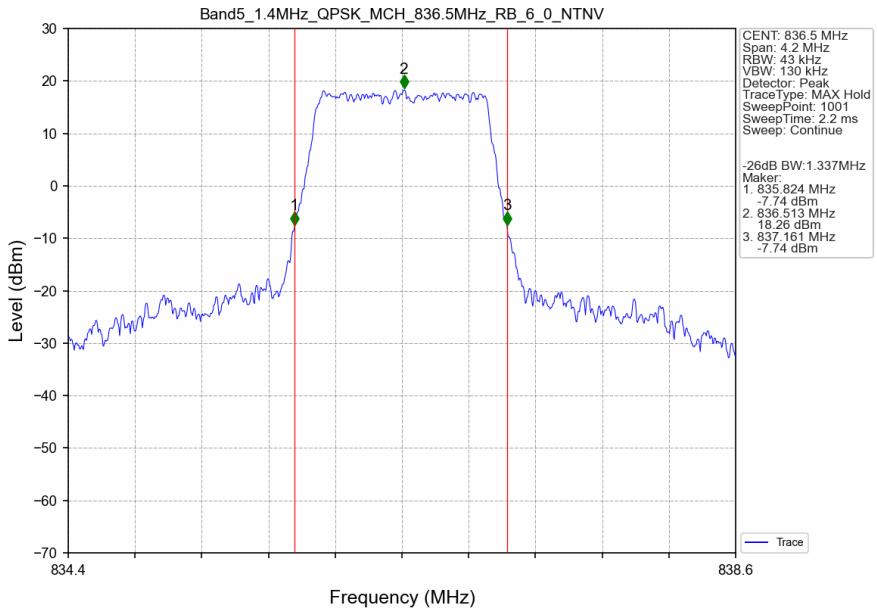
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

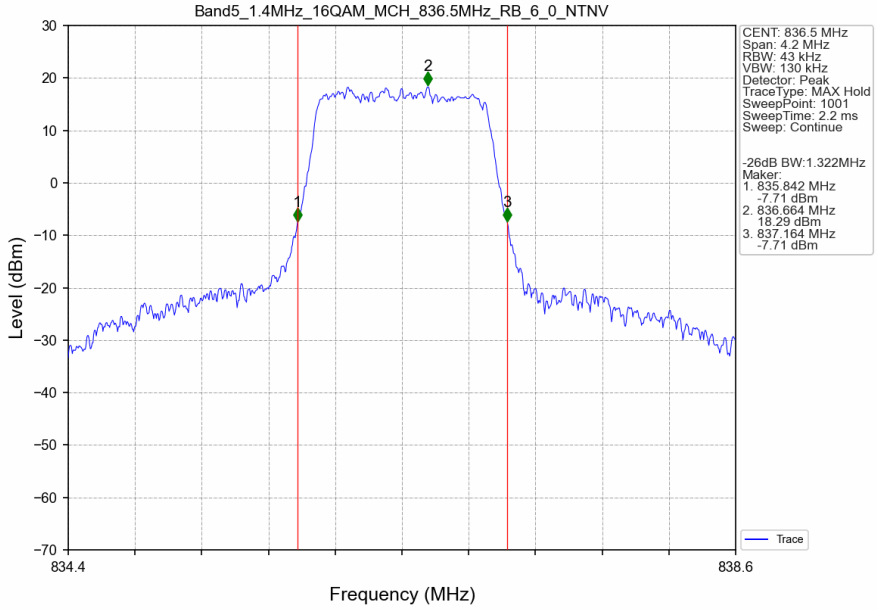


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

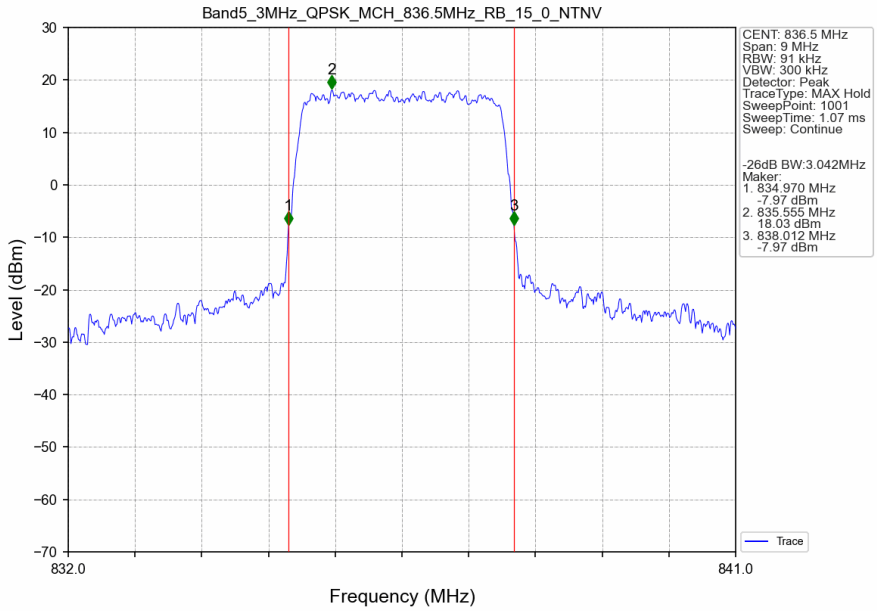


3.2.2 Band5_XDB

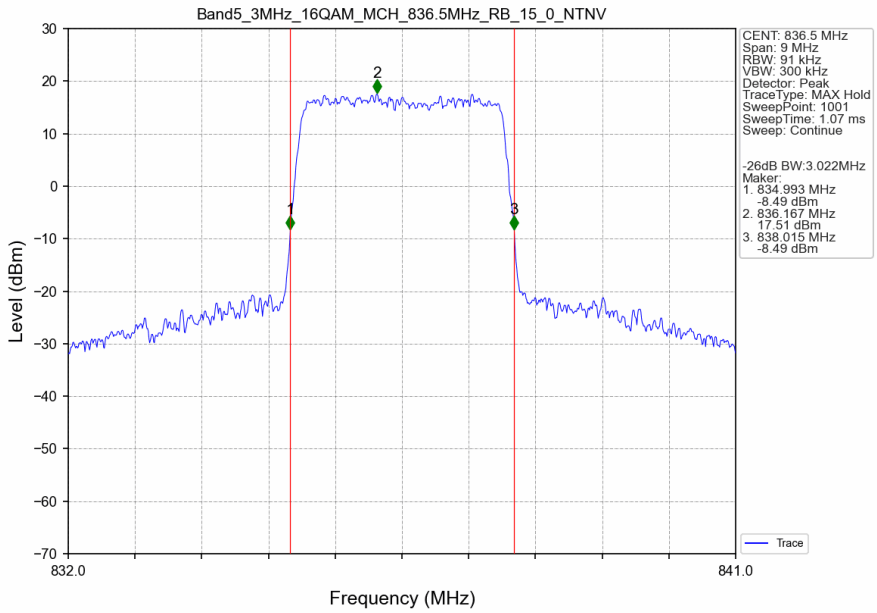
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV


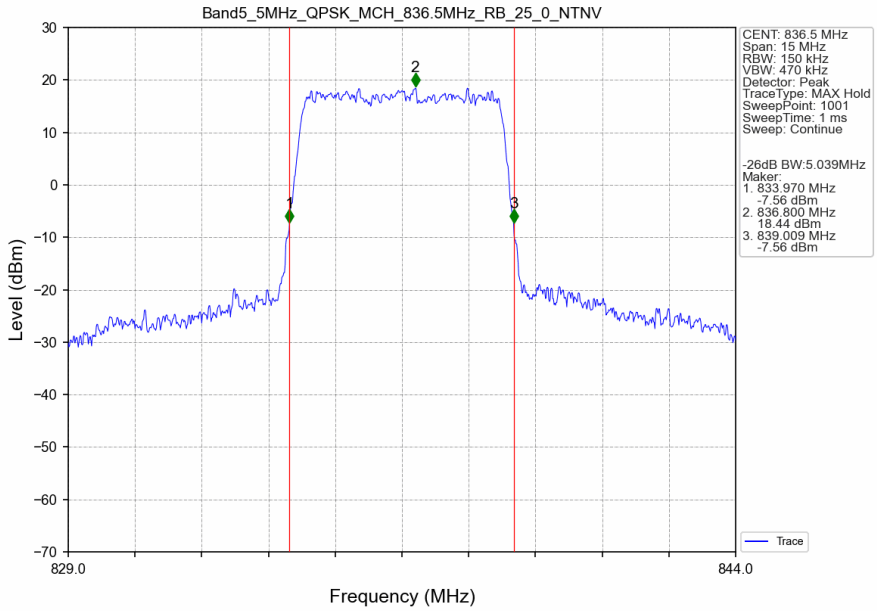
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



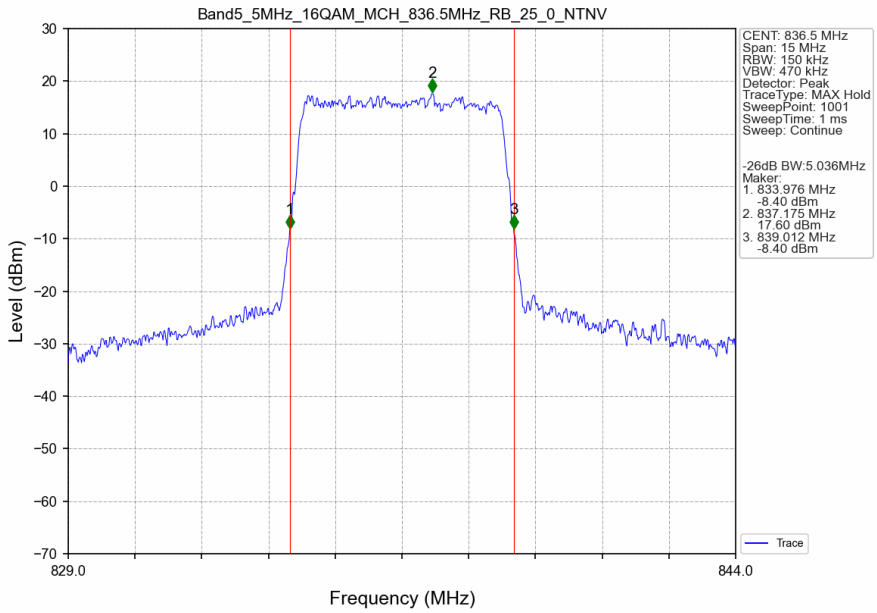
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



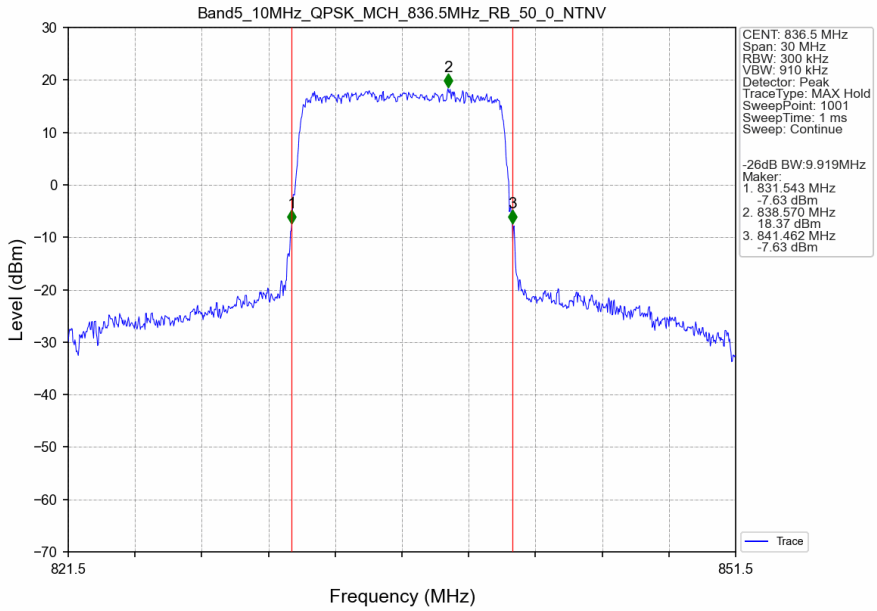
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



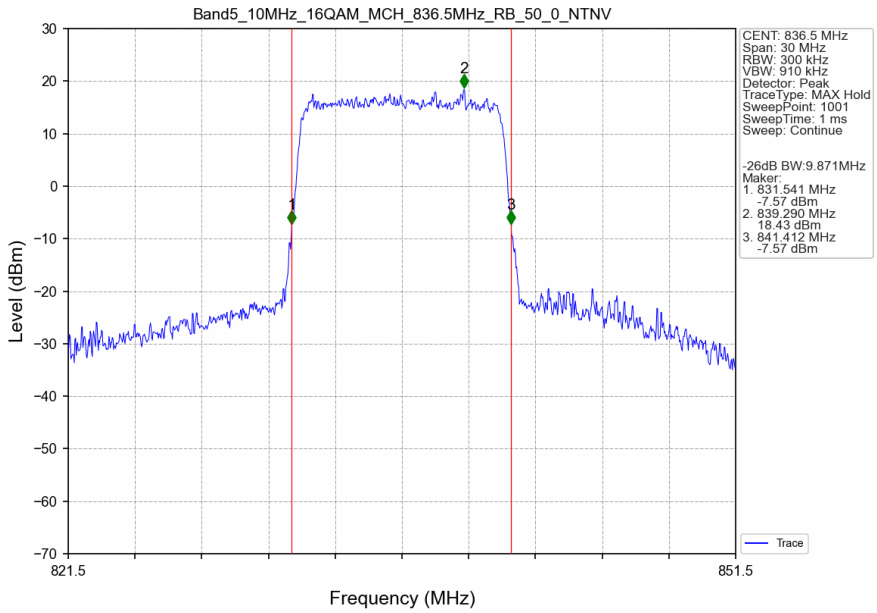
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

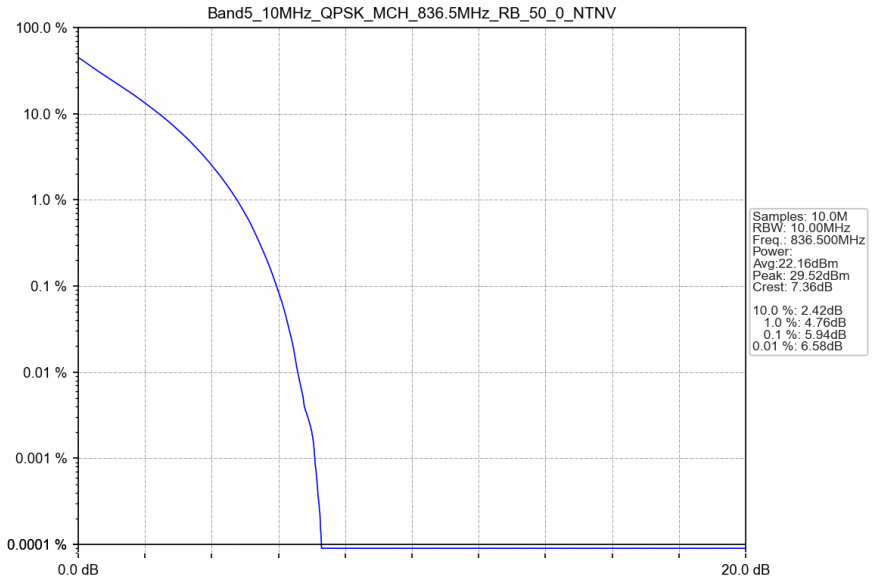
4.1 Test Result

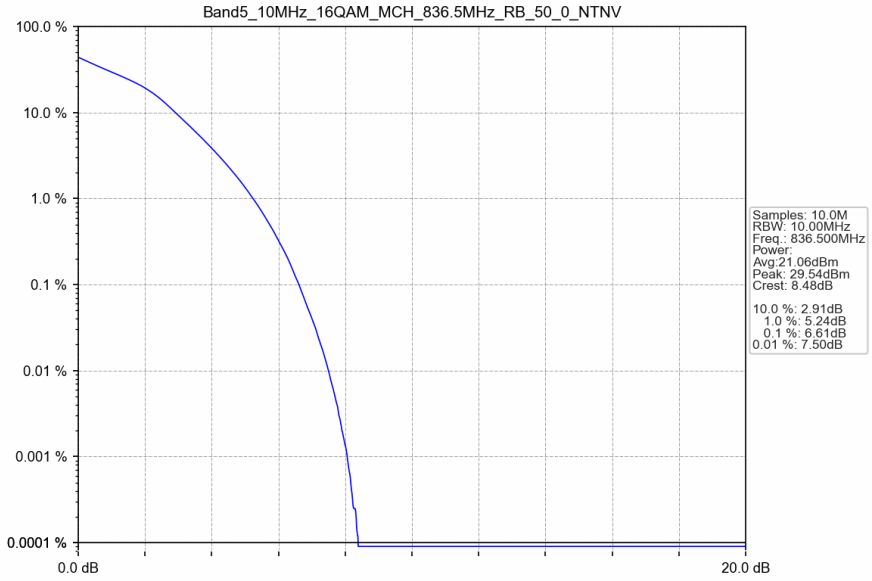
4.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.94	<=13	Pass
16QAM	836.5	50	0	6.61	<=13	Pass
64QAM	836.5	50	0	6.73	<=13	Pass
256QAM	836.5	50	0	6.56	<=13	Pass

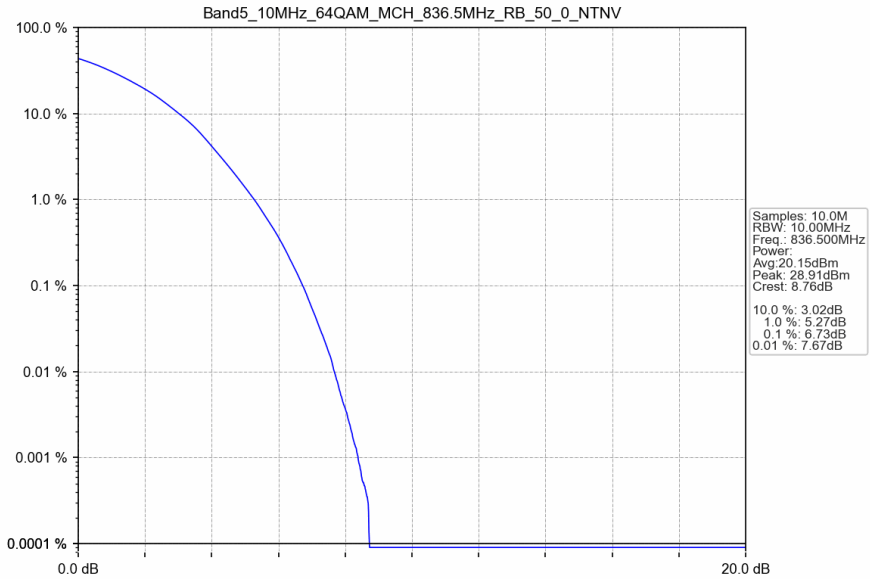
4.2 Test Graph

4.2.1 B5_10MHz

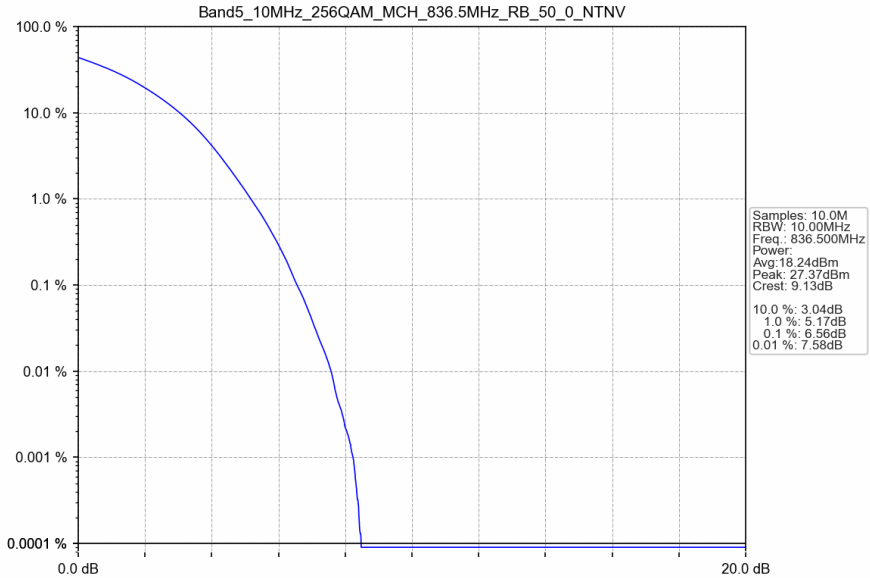
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV


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



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
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

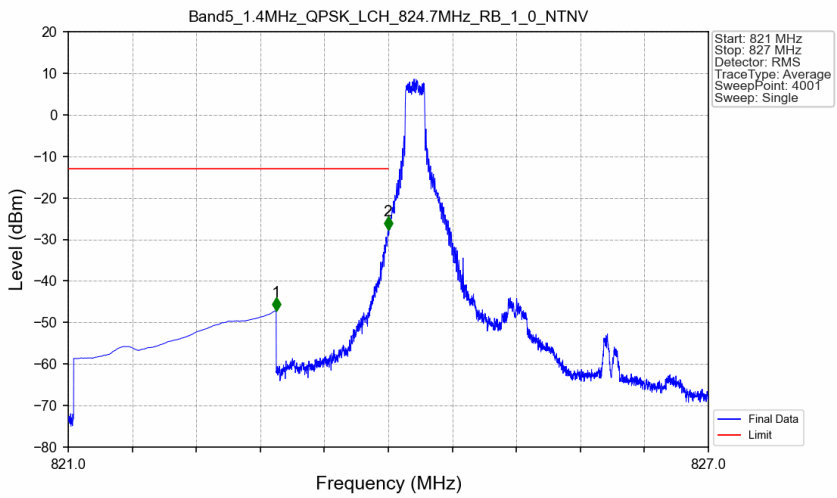
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
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

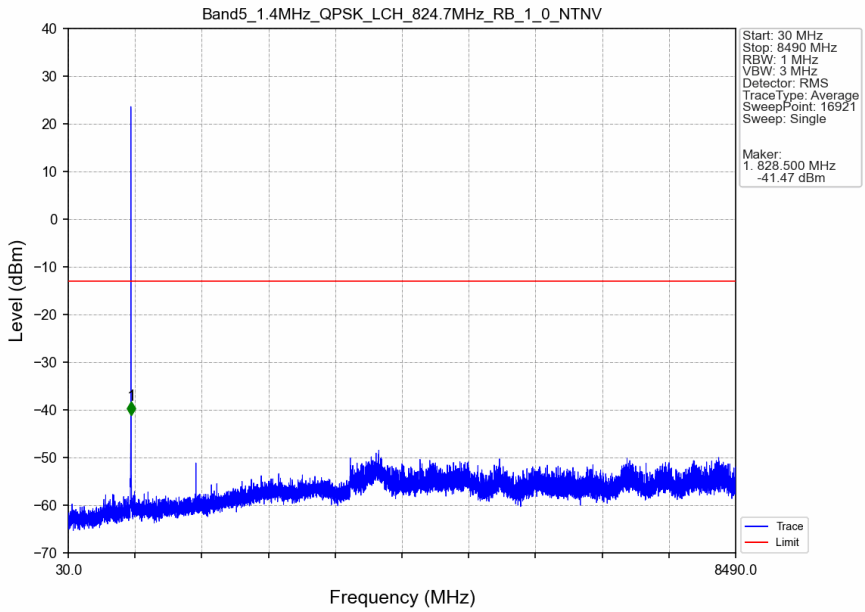
5.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

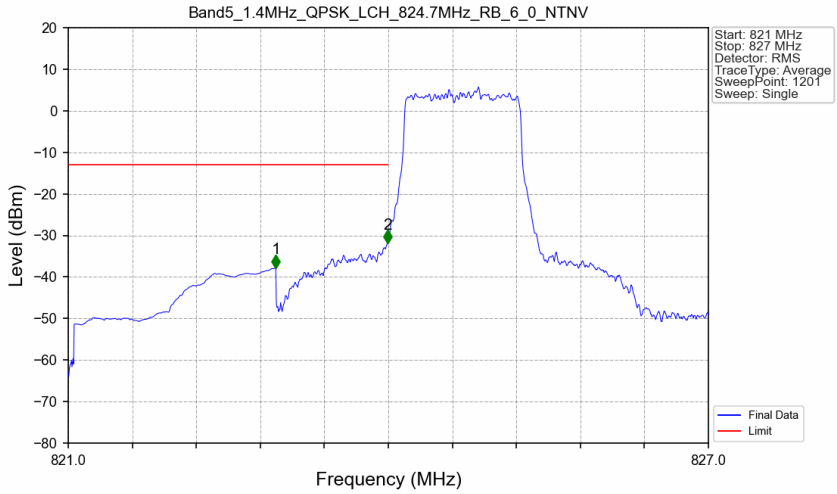


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-47.18	-13	Pass
823	824	0.003	/	2	823.997	-27.62	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

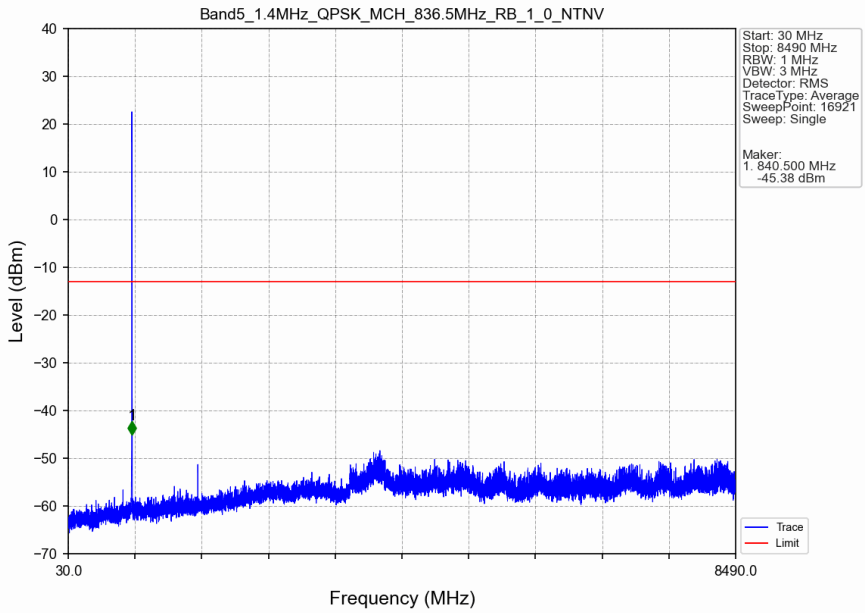


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

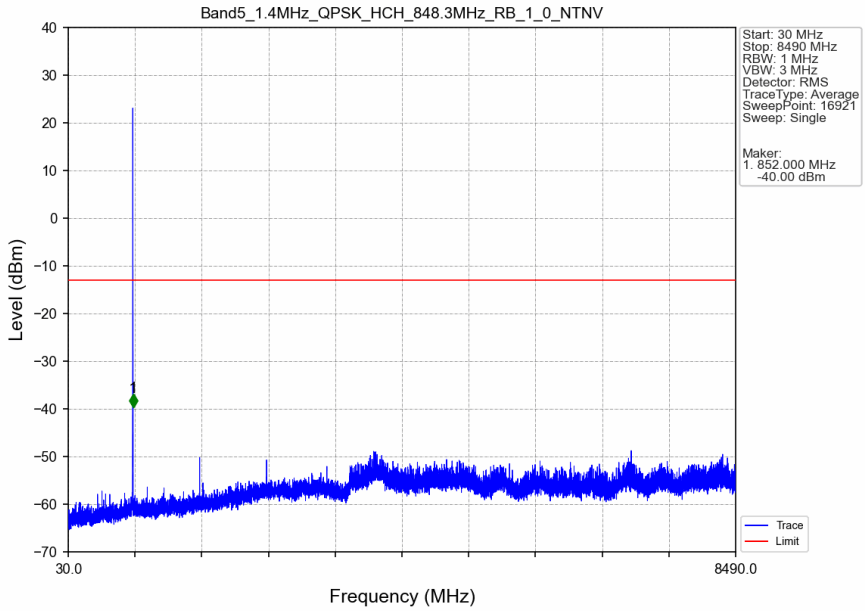


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.78	-13	Pass
823	824	0.013	CHP	2	823.995	-31.87	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

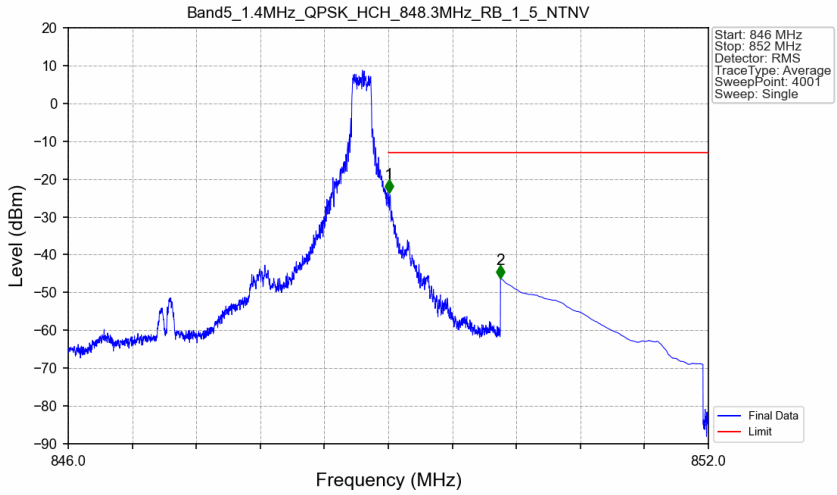
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

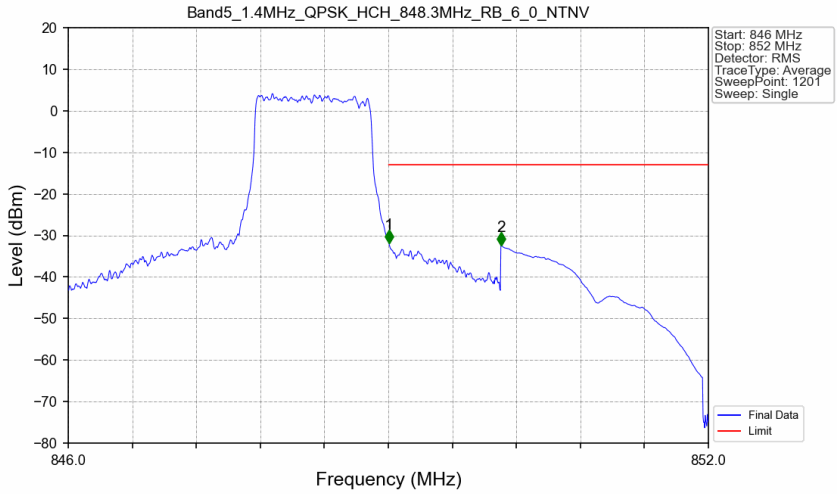


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



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	849.005	-23.71	-13	Pass
850	852	0.1	CHP	2	850.052	-46.31	-13	Pass

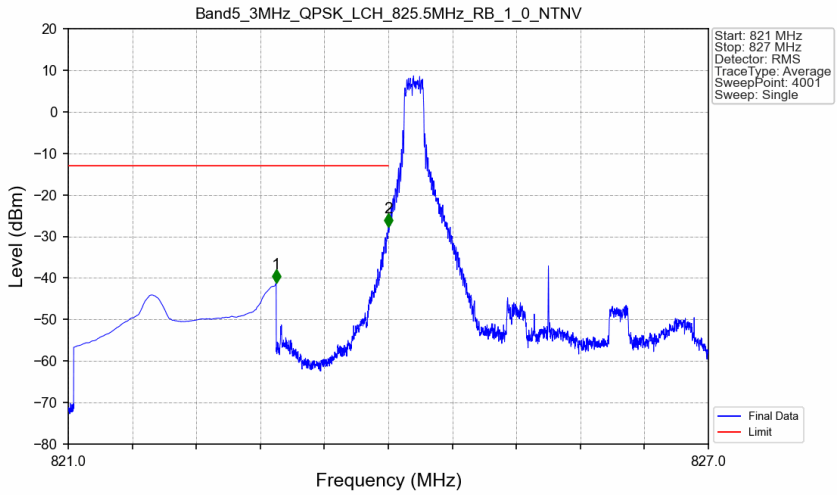
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-31.86	-13	Pass
850	852	0.1	CHP	2	850.055	-32.34	-13	Pass

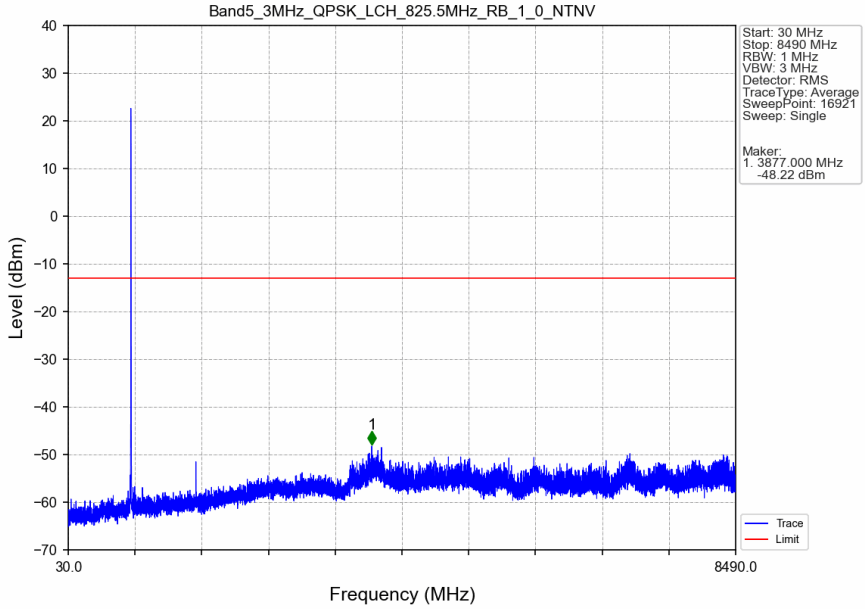
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

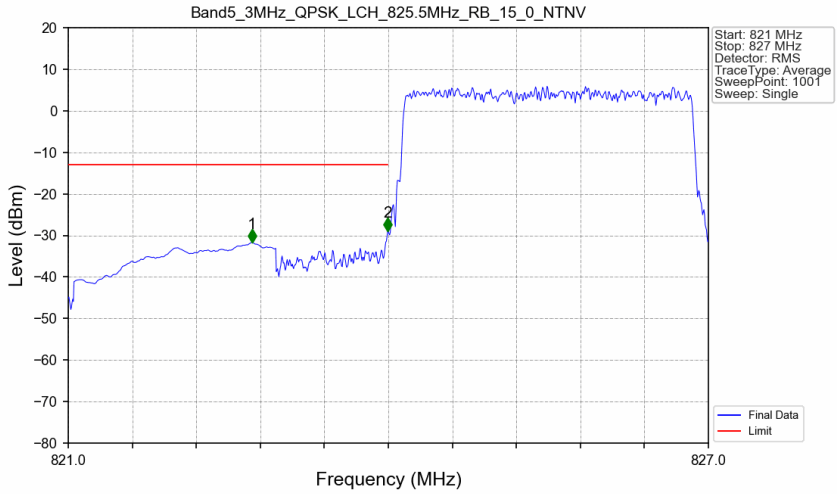


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-41.07	-13	Pass
823	824	0.003	/	2	823.999	-27.68	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

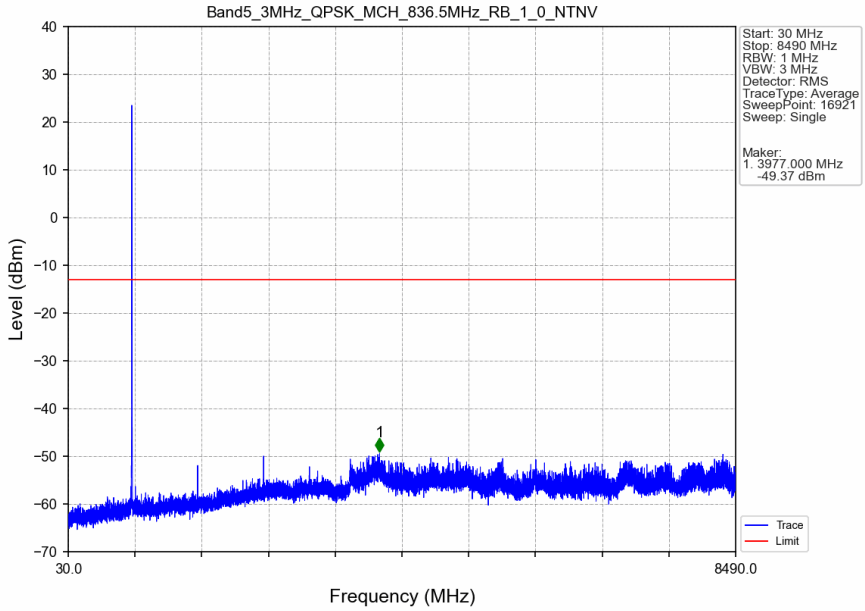


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

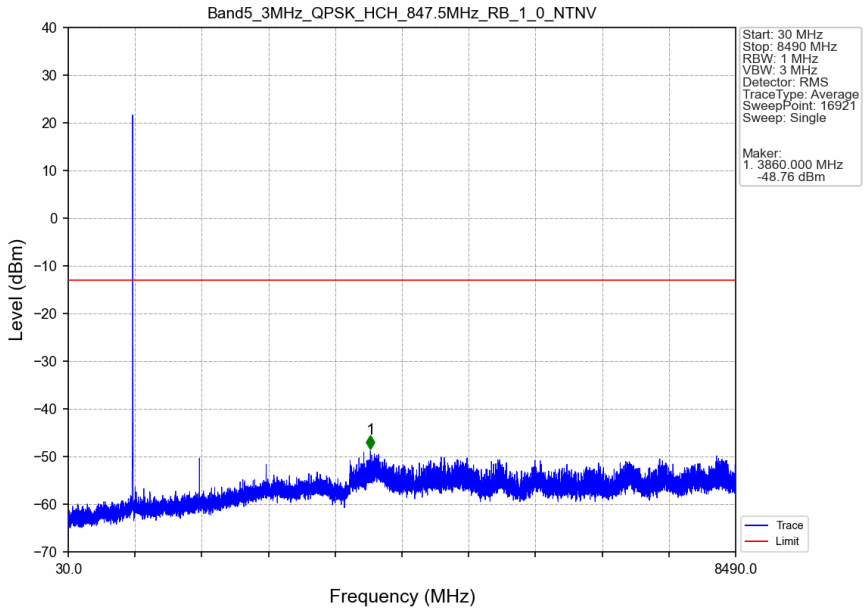


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.722	-31.67	-13	Pass
823	824	0.03	/	2	823.994	-28.86	-13	Pass
824	827	0.03	/	/	/	/	/	/

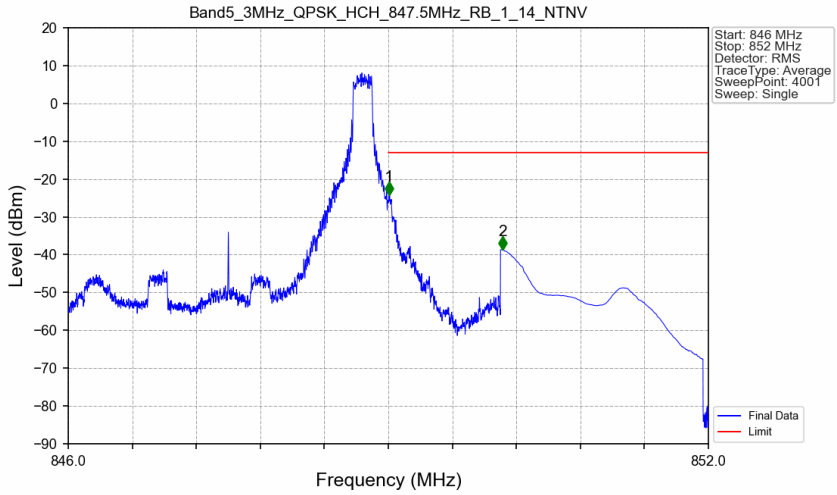
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

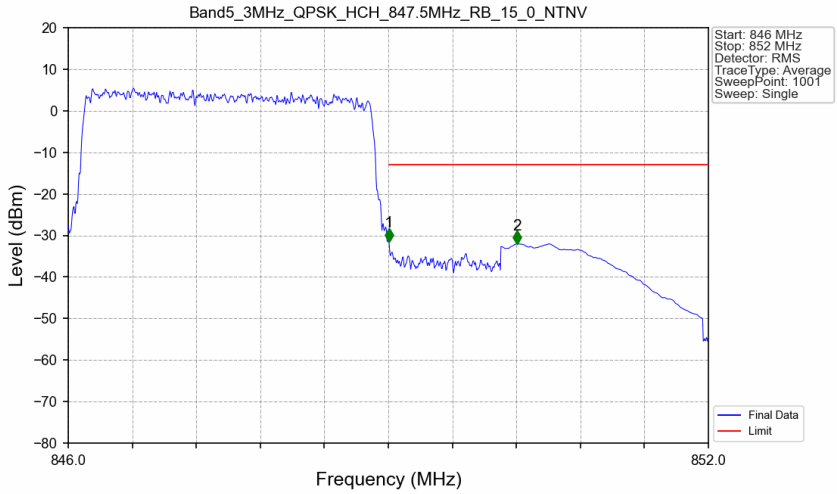


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	849.008	-24.24	-13	Pass
850	852	0.1	CHP	2	850.074	-38.61	-13	Pass

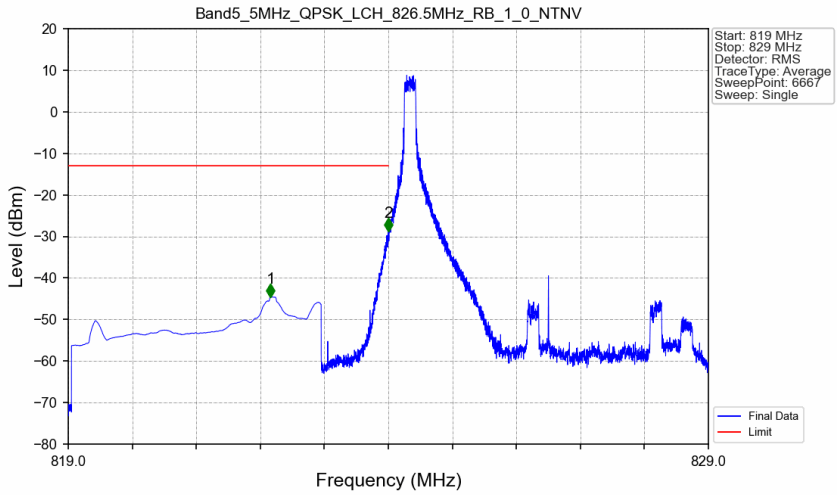
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-31.40	-13	Pass
850	852	0.1	CHP	2	850.206	-32.02	-13	Pass

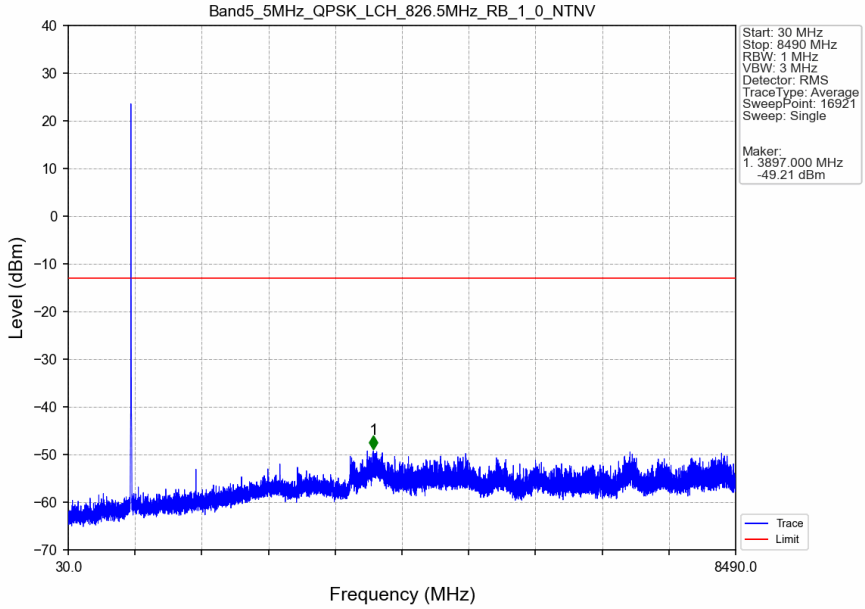
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

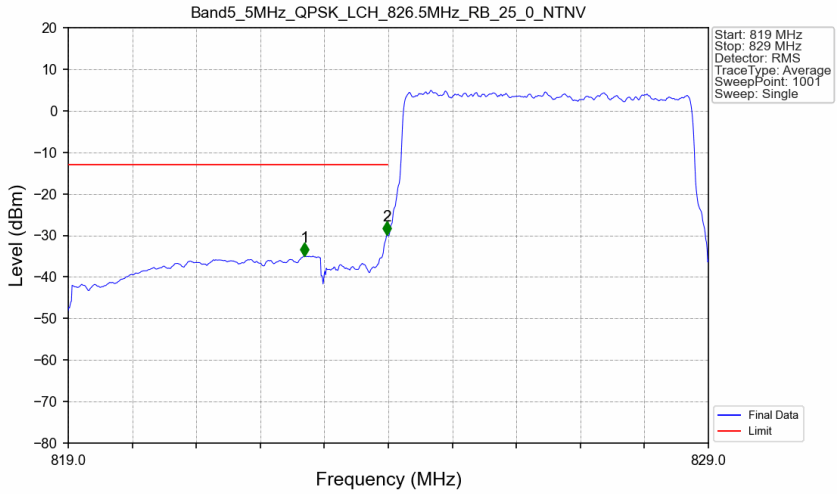


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.159	-44.56	-13	Pass
823	824	0.003	/	2	823.999	-28.79	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

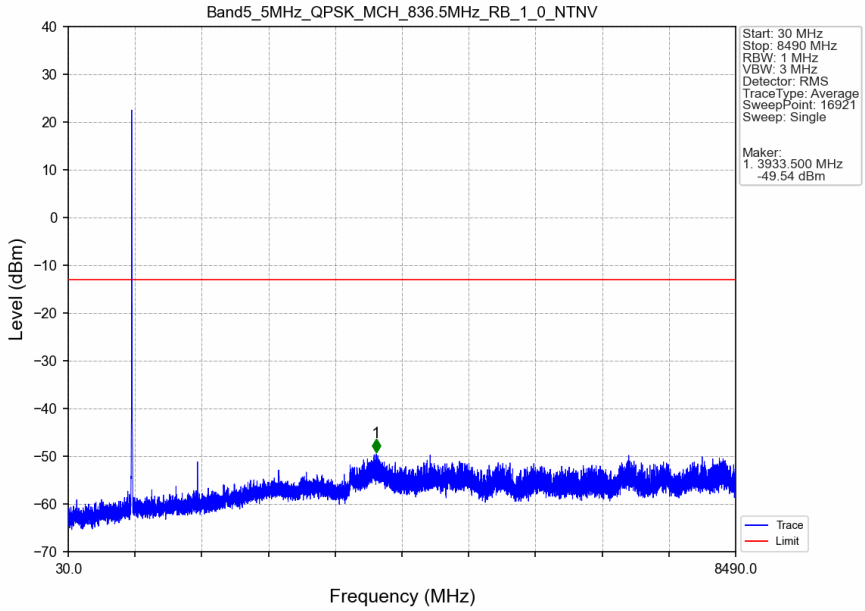


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

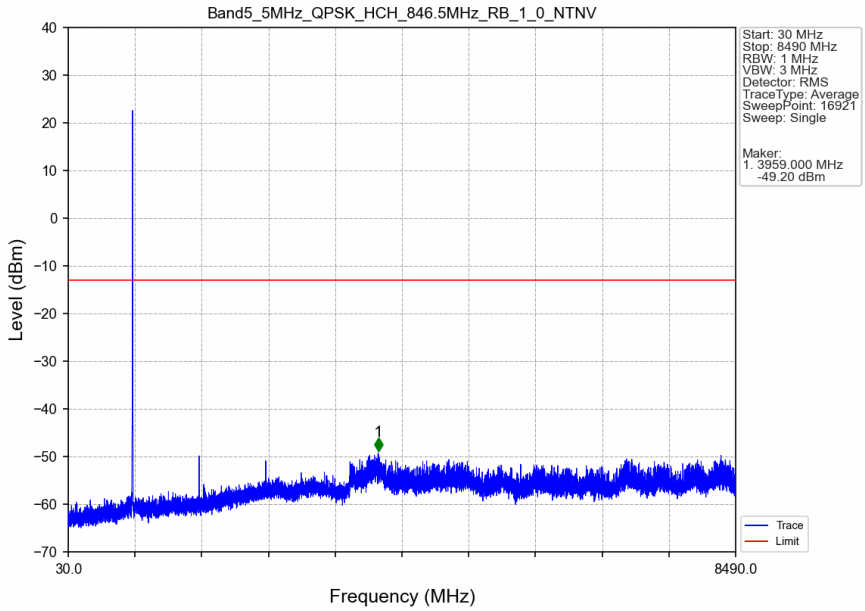


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.690	-34.96	-13	Pass
823	824	0.05	CHP	2	823.980	-29.82	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

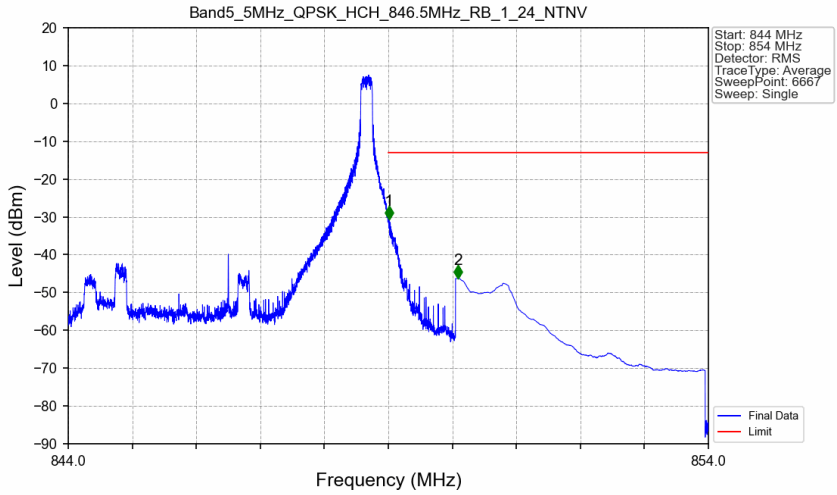
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

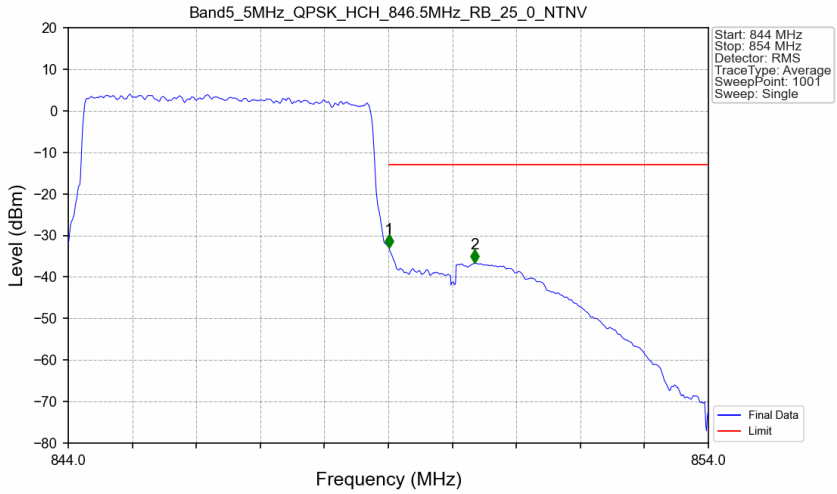


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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	849.011	-30.72	-13	Pass
850	854	0.1	CHP	2	850.089	-46.26	-13	Pass

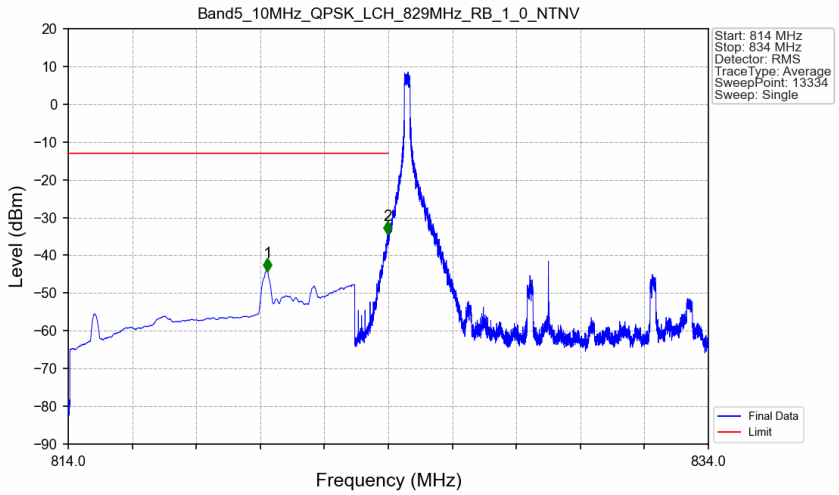
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-32.96	-13	Pass
850	854	0.1	CHP	2	850.350	-36.62	-13	Pass

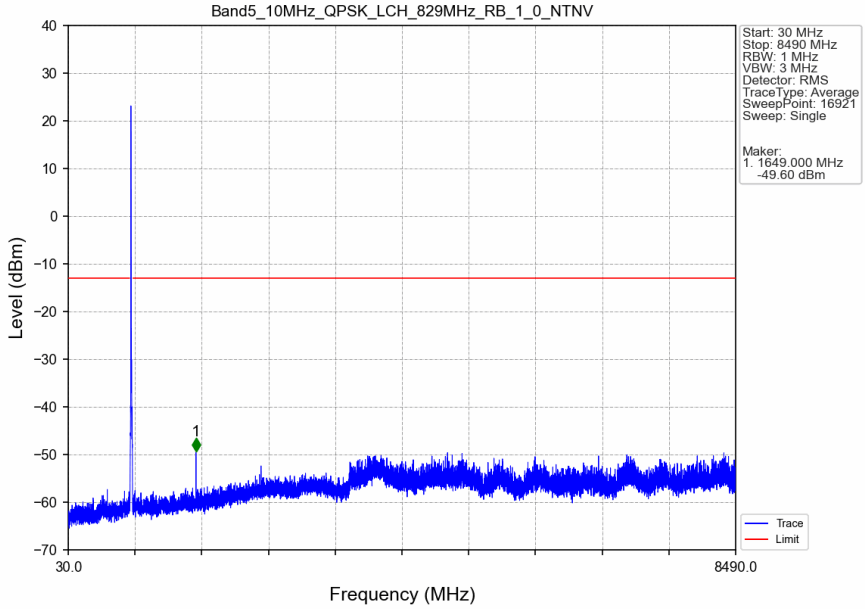
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

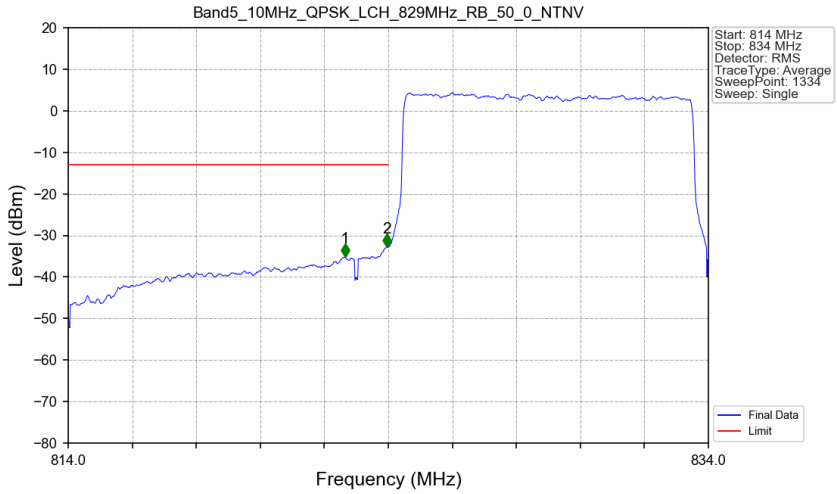


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.228	-44.29	-13	Pass
823	824	0.003	/	2	823.977	-34.51	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

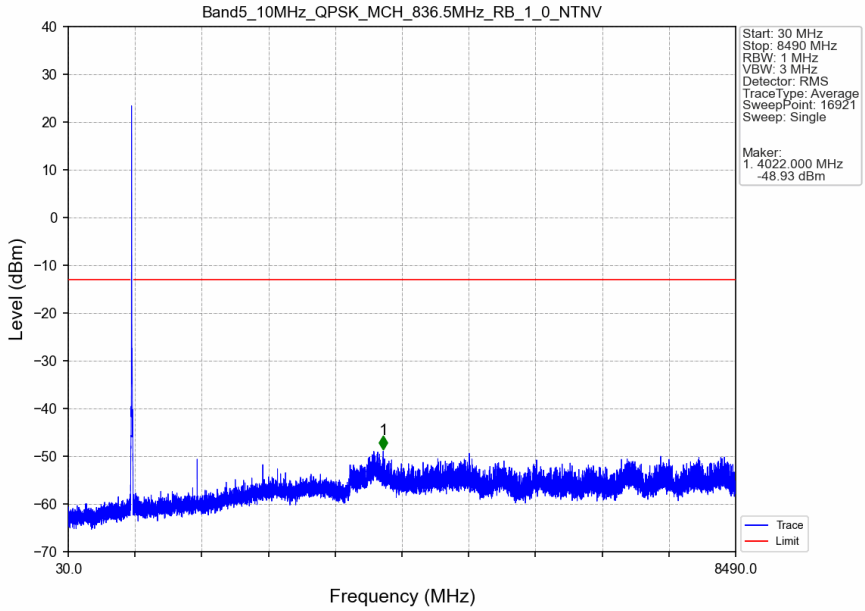


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

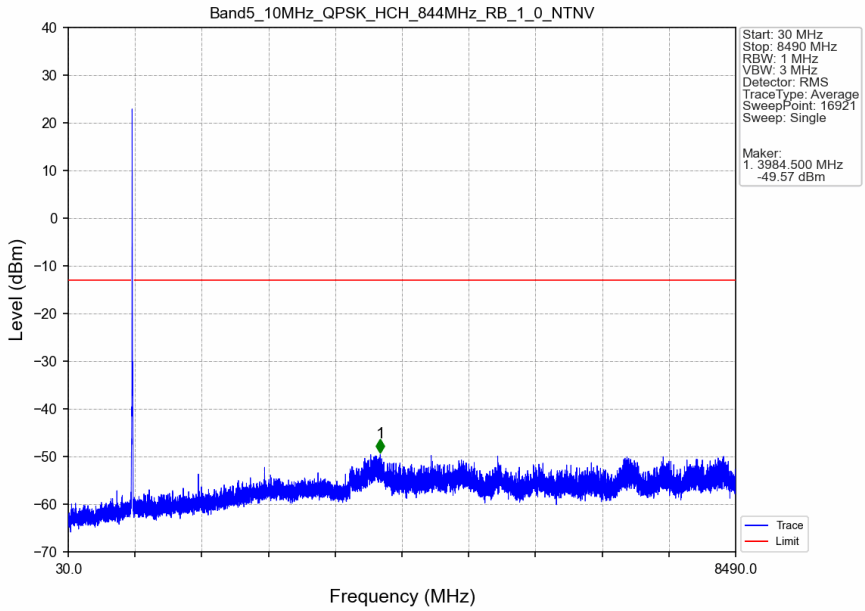


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.642	-35.20	-13	Pass
823	824	0.099	CHP	2	823.962	-32.71	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

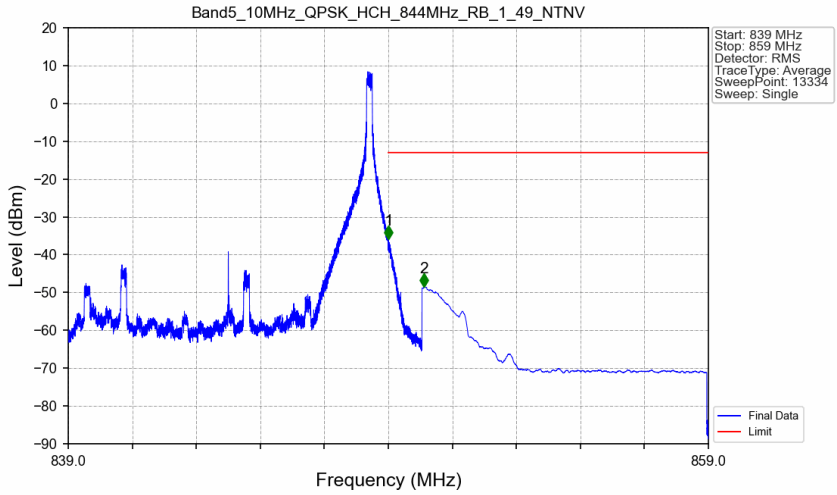
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

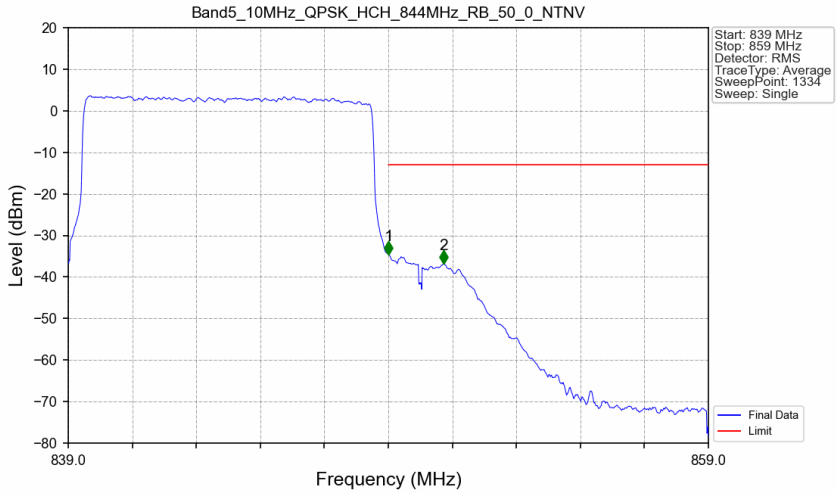


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	-35.85	-13	Pass
850	859	0.1	CHP	2	850.112	-48.56	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.099	CHP	/	/	/	/	/
849	850	0.099	CHP	1	849.008	-34.54	-13	Pass
850	859	0.1	CHP	2	850.733	-36.82	-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	-64.45	-13	-51.45	-67.33	2.62	5.5	Horizontal	Pass
2473.5	-69.41	-13	-56.41	-72.11	3.06	5.76	Horizontal	Pass
3298.0	-66.75	-13	-53.75	-71.11	3.3	7.66	Horizontal	Pass
1649.0	-65.26	-13	-52.26	-68.14	2.62	5.5	Vertical	Pass
2473.5	-69.2	-13	-56.2	-71.9	3.06	5.76	Vertical	Pass
3298.0	-66.87	-13	-53.87	-71.23	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	-62.08	-13	-49.08	-64.92	2.63	5.47	Horizontal	Pass
2496.0	-68.83	-13	-55.83	-71.56	3.08	5.81	Horizontal	Pass
3328.0	-67.14	-13	-54.14	-71.57	3.31	7.74	Horizontal	Pass
1664.0	-65.97	-13	-52.97	-68.81	2.63	5.47	Vertical	Pass
2496.0	-68.89	-13	-55.89	-71.62	3.08	5.81	Vertical	Pass
3328.0	-66.47	-13	-53.47	-70.9	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	-65.79	-13	-52.79	-68.59	2.63	5.43	Horizontal	Pass
2518.5	-68.95	-13	-55.95	-71.73	3.08	5.86	Horizontal	Pass
3358.0	-67.07	-13	-54.07	-71.56	3.33	7.82	Horizontal	Pass
1679.0	-68.08	-13	-55.08	-70.88	2.63	5.43	Vertical	Pass
2518.5	-68.71	-13	-55.71	-71.49	3.08	5.86	Vertical	Pass
3358.0	-66.97	-13	-53.97	-71.46	3.33	7.82	Vertical	Pass