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	25.05	-4.06	18.84	<=38.45	Pass
			2	25.01	-4.06	18.80	<=38.45	Pass
			5	25.11	-4.06	18.90	<=38.45	Pass
		3	0	25.07	-4.06	18.86	<=38.45	Pass
			2	25.03	-4.06	18.82	<=38.45	Pass
			3	25.10	-4.06	18.89	<=38.45	Pass
		6	0	24.16	-4.06	17.95	<=38.45	Pass
	836.5	1	0	25.06	-4.06	18.85	<=38.45	Pass
			2	24.99	-4.06	18.78	<=38.45	Pass
			5	25.06	-4.06	18.85	<=38.45	Pass
		3	0	25.04	-4.06	18.83	<=38.45	Pass
			2	25.00	-4.06	18.79	<=38.45	Pass
			3	25.04	-4.06	18.83	<=38.45	Pass
		6	0	24.11	-4.06	17.90	<=38.45	Pass
	848.3	1	0	25.03	-4.06	18.82	<=38.45	Pass
			2	24.98	-4.06	18.77	<=38.45	Pass
			5	25.06	-4.06	18.85	<=38.45	Pass
		3	0	24.96	-4.06	18.75	<=38.45	Pass
			2	24.96	-4.06	18.75	<=38.45	Pass
			3	24.98	-4.06	18.77	<=38.45	Pass
		6	0	24.12	-4.06	17.91	<=38.45	Pass
16QAM	824.7	1	0	24.25	-4.06	18.04	<=38.45	Pass
			2	24.12	-4.06	17.91	<=38.45	Pass
			5	24.18	-4.06	17.97	<=38.45	Pass
		3	0	24.35	-4.06	18.14	<=38.45	Pass
			2	24.31	-4.06	18.10	<=38.45	Pass
			3	24.39	-4.06	18.18	<=38.45	Pass
		6	0	23.15	-4.06	16.94	<=38.45	Pass
	836.5	1	0	24.22	-4.06	18.01	<=38.45	Pass
			2	24.14	-4.06	17.93	<=38.45	Pass
			5	24.21	-4.06	18.00	<=38.45	Pass
		3	0	24.31	-4.06	18.10	<=38.45	Pass
			2	24.29	-4.06	18.08	<=38.45	Pass
			3	24.32	-4.06	18.11	<=38.45	Pass
		6	0	23.11	-4.06	16.90	<=38.45	Pass
	848.3	1	0	24.32	-4.06	18.11	<=38.45	Pass
			2	24.24	-4.06	18.03	<=38.45	Pass
			5	24.35	-4.06	18.14	<=38.45	Pass
		3	0	24.10	-4.06	17.89	<=38.45	Pass
			2	23.94	-4.06	17.73	<=38.45	Pass
			3	23.98	-4.06	17.77	<=38.45	Pass
		6	0	23.08	-4.06	16.87	<=38.45	Pass
64QAM	824.7	1	0	23.68	-4.06	17.47	<=38.45	Pass
			2	23.69	-4.06	17.48	<=38.45	Pass
			5	23.68	-4.06	17.47	<=38.45	Pass
		3	0	23.44	-4.06	17.23	<=38.45	Pass
			2	23.41	-4.06	17.20	<=38.45	Pass
			3	23.48	-4.06	17.27	<=38.45	Pass
		6	0	22.26	-4.06	16.05	<=38.45	Pass

	836.5	1	0	23.74	-4.06	17.53	<=38.45	Pass
			2	23.75	-4.06	17.54	<=38.45	Pass
			5	23.71	-4.06	17.50	<=38.45	Pass
		3	0	23.40	-4.06	17.19	<=38.45	Pass
			2	23.36	-4.06	17.15	<=38.45	Pass
			3	23.39	-4.06	17.18	<=38.45	Pass
		6	0	22.19	-4.06	15.98	<=38.45	Pass
	848.3	1	0	23.26	-4.06	17.05	<=38.45	Pass
			2	23.20	-4.06	16.99	<=38.45	Pass
			5	23.23	-4.06	17.02	<=38.45	Pass
		3	0	23.13	-4.06	16.92	<=38.45	Pass
			2	23.17	-4.06	16.96	<=38.45	Pass
			3	23.17	-4.06	16.96	<=38.45	Pass
		6	0	22.43	-4.06	16.22	<=38.45	Pass
256QAM	824.7	1	0	20.51	-4.06	14.30	<=38.45	Pass
			2	20.51	-4.06	14.30	<=38.45	Pass
			5	20.49	-4.06	14.28	<=38.45	Pass
		3	0	20.22	-4.06	14.01	<=38.45	Pass
			2	20.22	-4.06	14.01	<=38.45	Pass
			3	20.22	-4.06	14.01	<=38.45	Pass
		6	0	20.20	-4.06	13.99	<=38.45	Pass
	836.5	1	0	20.46	-4.06	14.25	<=38.45	Pass
			2	20.46	-4.06	14.25	<=38.45	Pass
			5	20.45	-4.06	14.24	<=38.45	Pass
		3	0	20.18	-4.06	13.97	<=38.45	Pass
			2	20.16	-4.06	13.95	<=38.45	Pass
			3	20.18	-4.06	13.97	<=38.45	Pass
		6	0	20.14	-4.06	13.93	<=38.45	Pass
	848.3	1	0	20.05	-4.06	13.84	<=38.45	Pass
			2	19.98	-4.06	13.77	<=38.45	Pass
			5	20.05	-4.06	13.84	<=38.45	Pass
		3	0	20.01	-4.06	13.80	<=38.45	Pass
			2	19.99	-4.06	13.78	<=38.45	Pass
			3	20.00	-4.06	13.79	<=38.45	Pass
		6	0	20.22	-4.06	14.01	<=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	25.36	-4.06	19.15	<=38.45	Pass
			7	25.41	-4.06	19.20	<=38.45	Pass
			14	25.39	-4.06	19.18	<=38.45	Pass
		8	0	24.26	-4.06	18.05	<=38.45	Pass
			4	24.21	-4.06	18.00	<=38.45	Pass
			7	24.27	-4.06	18.06	<=38.45	Pass
		15	0	24.23	-4.06	18.02	<=38.45	Pass
	836.5	1	0	25.13	-4.06	18.92	<=38.45	Pass
			7	25.13	-4.06	18.92	<=38.45	Pass
			14	25.10	-4.06	18.89	<=38.45	Pass
		8	0	24.24	-4.06	18.03	<=38.45	Pass
			4	24.23	-4.06	18.02	<=38.45	Pass
			7	24.21	-4.06	18.00	<=38.45	Pass
		15	0	24.19	-4.06	17.98	<=38.45	Pass
	847.5	1	0	25.13	-4.06	18.92	<=38.45	Pass

			7	25.14	-4.06	18.93	<=38.45	Pass
			14	25.10	-4.06	18.89	<=38.45	Pass
		8	0	24.15	-4.06	17.94	<=38.45	Pass
			4	24.10	-4.06	17.89	<=38.45	Pass
			7	24.13	-4.06	17.92	<=38.45	Pass
		15	0	24.14	-4.06	17.93	<=38.45	Pass
16QAM	825.5	1	0	24.63	-4.06	18.42	<=38.45	Pass
			7	24.69	-4.06	18.48	<=38.45	Pass
			14	24.69	-4.06	18.48	<=38.45	Pass
		8	0	23.47	-4.06	17.26	<=38.45	Pass
			4	23.42	-4.06	17.21	<=38.45	Pass
			7	23.49	-4.06	17.28	<=38.45	Pass
		15	0	23.33	-4.06	17.12	<=38.45	Pass
	836.5	1	0	24.38	-4.06	18.17	<=38.45	Pass
			7	24.49	-4.06	18.28	<=38.45	Pass
			14	24.43	-4.06	18.22	<=38.45	Pass
		8	0	23.18	-4.06	16.97	<=38.45	Pass
			4	23.09	-4.06	16.88	<=38.45	Pass
			7	23.08	-4.06	16.87	<=38.45	Pass
		15	0	23.10	-4.06	16.89	<=38.45	Pass
	847.5	1	0	24.20	-4.06	17.99	<=38.45	Pass
			7	24.18	-4.06	17.97	<=38.45	Pass
			14	24.25	-4.06	18.04	<=38.45	Pass
		8	0	23.17	-4.06	16.96	<=38.45	Pass
			4	23.14	-4.06	16.93	<=38.45	Pass
			7	23.13	-4.06	16.92	<=38.45	Pass
		15	0	23.12	-4.06	16.91	<=38.45	Pass
64QAM	825.5	1	0	23.50	-4.06	17.29	<=38.45	Pass
			7	23.56	-4.06	17.35	<=38.45	Pass
			14	23.57	-4.06	17.36	<=38.45	Pass
		8	0	22.42	-4.06	16.21	<=38.45	Pass
			4	22.37	-4.06	16.16	<=38.45	Pass
			7	22.37	-4.06	16.16	<=38.45	Pass
		15	0	22.30	-4.06	16.09	<=38.45	Pass
	836.5	1	0	23.47	-4.06	17.26	<=38.45	Pass
			7	23.43	-4.06	17.22	<=38.45	Pass
			14	23.46	-4.06	17.25	<=38.45	Pass
		8	0	22.36	-4.06	16.15	<=38.45	Pass
			4	22.33	-4.06	16.12	<=38.45	Pass
			7	22.31	-4.06	16.10	<=38.45	Pass
		15	0	22.26	-4.06	16.05	<=38.45	Pass
	847.5	1	0	23.28	-4.06	17.07	<=38.45	Pass
			7	23.22	-4.06	17.01	<=38.45	Pass
			14	23.18	-4.06	16.97	<=38.45	Pass
		8	0	22.16	-4.06	15.95	<=38.45	Pass
			4	22.11	-4.06	15.90	<=38.45	Pass
			7	22.12	-4.06	15.91	<=38.45	Pass
		15	0	22.19	-4.06	15.98	<=38.45	Pass
256QAM	825.5	1	0	20.72	-4.06	14.51	<=38.45	Pass
			7	20.68	-4.06	14.47	<=38.45	Pass
			14	20.73	-4.06	14.52	<=38.45	Pass
		8	0	20.41	-4.06	14.20	<=38.45	Pass
			4	20.37	-4.06	14.16	<=38.45	Pass
			7	20.37	-4.06	14.16	<=38.45	Pass
		15	0	20.32	-4.06	14.11	<=38.45	Pass
	836.5	1	0	20.18	-4.06	13.97	<=38.45	Pass
			7	20.09	-4.06	13.88	<=38.45	Pass
			14	20.09	-4.06	13.88	<=38.45	Pass
		8	0	20.24	-4.06	14.03	<=38.45	Pass

			4	20.23	-4.06	14.02	<=38.45	Pass
			7	20.18	-4.06	13.97	<=38.45	Pass
		15	0	20.41	-4.06	14.20	<=38.45	Pass
	847.5	1	0	20.27	-4.06	14.06	<=38.45	Pass
			7	20.20	-4.06	13.99	<=38.45	Pass
			14	20.22	-4.06	14.01	<=38.45	Pass
		8	0	20.25	-4.06	14.04	<=38.45	Pass
			4	20.24	-4.06	14.03	<=38.45	Pass
			7	20.24	-4.06	14.03	<=38.45	Pass
		15	0	20.21	-4.06	14.00	<=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	25.44	-4.06	19.23	<=38.45	Pass
			13	25.42	-4.06	19.21	<=38.45	Pass
			24	25.45	-4.06	19.24	<=38.45	Pass
		12	0	24.32	-4.06	18.11	<=38.45	Pass
			6	24.30	-4.06	18.09	<=38.45	Pass
			13	24.30	-4.06	18.09	<=38.45	Pass
		25	0	24.37	-4.06	18.16	<=38.45	Pass
	836.5	1	0	25.36	-4.06	19.15	<=38.45	Pass
			13	25.27	-4.06	19.06	<=38.45	Pass
			24	25.32	-4.06	19.11	<=38.45	Pass
		12	0	24.26	-4.06	18.05	<=38.45	Pass
			6	24.21	-4.06	18.00	<=38.45	Pass
			13	24.21	-4.06	18.00	<=38.45	Pass
		25	0	24.26	-4.06	18.05	<=38.45	Pass
	846.5	1	0	25.28	-4.06	19.07	<=38.45	Pass
			13	25.19	-4.06	18.98	<=38.45	Pass
			24	25.27	-4.06	19.06	<=38.45	Pass
		12	0	24.22	-4.06	18.01	<=38.45	Pass
			6	24.13	-4.06	17.92	<=38.45	Pass
			13	24.15	-4.06	17.94	<=38.45	Pass
		25	0	24.21	-4.06	18.00	<=38.45	Pass
16QAM	826.5	1	0	24.21	-4.06	18.00	<=38.45	Pass
			13	24.20	-4.06	17.99	<=38.45	Pass
			24	24.26	-4.06	18.05	<=38.45	Pass
		12	0	23.34	-4.06	17.13	<=38.45	Pass
			6	23.29	-4.06	17.08	<=38.45	Pass
			13	23.32	-4.06	17.11	<=38.45	Pass
		25	0	23.36	-4.06	17.15	<=38.45	Pass
	836.5	1	0	24.50	-4.06	18.29	<=38.45	Pass
			13	24.38	-4.06	18.17	<=38.45	Pass
			24	24.44	-4.06	18.23	<=38.45	Pass
		12	0	23.28	-4.06	17.07	<=38.45	Pass
			6	23.23	-4.06	17.02	<=38.45	Pass
			13	23.23	-4.06	17.02	<=38.45	Pass
		25	0	23.22	-4.06	17.01	<=38.45	Pass
	846.5	1	0	24.36	-4.06	18.15	<=38.45	Pass
			13	24.22	-4.06	18.01	<=38.45	Pass
			24	24.17	-4.06	17.96	<=38.45	Pass
		12	0	23.25	-4.06	17.04	<=38.45	Pass
			6	23.15	-4.06	16.94	<=38.45	Pass

			13	23.17	-4.06	16.96	<=38.45	Pass
		25	0	23.20	-4.06	16.99	<=38.45	Pass
	826.5	1	0	23.26	-4.06	17.05	<=38.45	Pass
			13	23.23	-4.06	17.02	<=38.45	Pass
			24	23.29	-4.06	17.08	<=38.45	Pass
		12	0	22.40	-4.06	16.19	<=38.45	Pass
			6	22.37	-4.06	16.16	<=38.45	Pass
			13	22.38	-4.06	16.17	<=38.45	Pass
		25	0	22.36	-4.06	16.15	<=38.45	Pass
	836.5	1	0	23.61	-4.06	17.40	<=38.45	Pass
			13	23.45	-4.06	17.24	<=38.45	Pass
			24	23.54	-4.06	17.33	<=38.45	Pass
64QAM		12	0	22.31	-4.06	16.10	<=38.45	Pass
			6	22.25	-4.06	16.04	<=38.45	Pass
			13	22.25	-4.06	16.04	<=38.45	Pass
		25	0	22.29	-4.06	16.08	<=38.45	Pass
	846.5	1	0	23.39	-4.06	17.18	<=38.45	Pass
			13	23.28	-4.06	17.07	<=38.45	Pass
			24	23.36	-4.06	17.15	<=38.45	Pass
		12	0	22.31	-4.06	16.10	<=38.45	Pass
			6	22.28	-4.06	16.07	<=38.45	Pass
			13	22.27	-4.06	16.06	<=38.45	Pass
		25	0	22.27	-4.06	16.06	<=38.45	Pass
	826.5	1	0	20.12	-4.06	13.91	<=38.45	Pass
			13	20.09	-4.06	13.88	<=38.45	Pass
			24	20.09	-4.06	13.88	<=38.45	Pass
		12	0	20.40	-4.06	14.19	<=38.45	Pass
			6	20.36	-4.06	14.15	<=38.45	Pass
			13	20.36	-4.06	14.15	<=38.45	Pass
		25	0	20.41	-4.06	14.20	<=38.45	Pass
	836.5	1	0	20.49	-4.06	14.28	<=38.45	Pass
			13	20.40	-4.06	14.19	<=38.45	Pass
			24	20.43	-4.06	14.22	<=38.45	Pass
256QAM		12	0	20.37	-4.06	14.16	<=38.45	Pass
			6	20.32	-4.06	14.11	<=38.45	Pass
			13	20.33	-4.06	14.12	<=38.45	Pass
		25	0	20.31	-4.06	14.10	<=38.45	Pass
	846.5	1	0	20.32	-4.06	14.11	<=38.45	Pass
			13	20.19	-4.06	13.98	<=38.45	Pass
			24	20.21	-4.06	14.00	<=38.45	Pass
		12	0	20.26	-4.06	14.05	<=38.45	Pass
			6	20.24	-4.06	14.03	<=38.45	Pass
			13	20.22	-4.06	14.01	<=38.45	Pass
		25	0	20.26	-4.06	14.05	<=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	25.41	-4.06	19.20	<=38.45	Pass
			25	25.36	-4.06	19.15	<=38.45	Pass
			49	25.40	-4.06	19.19	<=38.45	Pass
		25	0	24.34	-4.06	18.13	<=38.45	Pass
			13	24.27	-4.06	18.06	<=38.45	Pass
			25	24.33	-4.06	18.12	<=38.45	Pass

		50	0	24.32	-4.06	18.11	<=38.45	Pass
	836.5	1	0	25.34	-4.06	19.13	<=38.45	Pass
			25	25.17	-4.06	18.96	<=38.45	Pass
			49	25.21	-4.06	19.00	<=38.45	Pass
		25	0	24.29	-4.06	18.08	<=38.45	Pass
			13	24.24	-4.06	18.03	<=38.45	Pass
			25	24.22	-4.06	18.01	<=38.45	Pass
		50	0	24.28	-4.06	18.07	<=38.45	Pass
	844	1	0	25.27	-4.06	19.06	<=38.45	Pass
			25	25.13	-4.06	18.92	<=38.45	Pass
			49	25.18	-4.06	18.97	<=38.45	Pass
		25	0	24.23	-4.06	18.02	<=38.45	Pass
			13	24.19	-4.06	17.98	<=38.45	Pass
			25	24.21	-4.06	18.00	<=38.45	Pass
		50	0	24.26	-4.06	18.05	<=38.45	Pass
16QAM	829	1	0	24.94	-4.06	18.73	<=38.45	Pass
			25	24.85	-4.06	18.64	<=38.45	Pass
			49	24.78	-4.06	18.57	<=38.45	Pass
		25	0	23.39	-4.06	17.18	<=38.45	Pass
			13	23.33	-4.06	17.12	<=38.45	Pass
			25	23.37	-4.06	17.16	<=38.45	Pass
		50	0	23.35	-4.06	17.14	<=38.45	Pass
	836.5	1	0	24.53	-4.06	18.32	<=38.45	Pass
			25	24.34	-4.06	18.13	<=38.45	Pass
			49	24.38	-4.06	18.17	<=38.45	Pass
		25	0	23.30	-4.06	17.09	<=38.45	Pass
			13	23.23	-4.06	17.02	<=38.45	Pass
			25	23.22	-4.06	17.01	<=38.45	Pass
		50	0	23.21	-4.06	17.00	<=38.45	Pass
	844	1	0	24.55	-4.06	18.34	<=38.45	Pass
			25	24.32	-4.06	18.11	<=38.45	Pass
			49	24.31	-4.06	18.10	<=38.45	Pass
		25	0	23.26	-4.06	17.05	<=38.45	Pass
			13	23.19	-4.06	16.98	<=38.45	Pass
			25	23.23	-4.06	17.02	<=38.45	Pass
		50	0	23.24	-4.06	17.03	<=38.45	Pass
64QAM	829	1	0	23.73	-4.06	17.52	<=38.45	Pass
			25	23.67	-4.06	17.46	<=38.45	Pass
			49	23.70	-4.06	17.49	<=38.45	Pass
		25	0	22.41	-4.06	16.20	<=38.45	Pass
			13	22.37	-4.06	16.16	<=38.45	Pass
			25	22.40	-4.06	16.19	<=38.45	Pass
		50	0	22.39	-4.06	16.18	<=38.45	Pass
	836.5	1	0	23.54	-4.06	17.33	<=38.45	Pass
			25	23.39	-4.06	17.18	<=38.45	Pass
			49	23.40	-4.06	17.19	<=38.45	Pass
		25	0	22.41	-4.06	16.20	<=38.45	Pass
			13	22.36	-4.06	16.15	<=38.45	Pass
			25	22.36	-4.06	16.15	<=38.45	Pass
		50	0	22.30	-4.06	16.09	<=38.45	Pass
	844	1	0	23.48	-4.06	17.27	<=38.45	Pass
			25	23.36	-4.06	17.15	<=38.45	Pass
			49	23.38	-4.06	17.17	<=38.45	Pass
		25	0	22.38	-4.06	16.17	<=38.45	Pass
			13	22.30	-4.06	16.09	<=38.45	Pass
			25	22.33	-4.06	16.12	<=38.45	Pass
		50	0	22.30	-4.06	16.09	<=38.45	Pass
256QAM	829	1	0	20.81	-4.06	14.60	<=38.45	Pass
			25	20.67	-4.06	14.46	<=38.45	Pass

			49	20.79	-4.06	14.58	<=38.45	Pass
		25	0	20.44	-4.06	14.23	<=38.45	Pass
			13	20.40	-4.06	14.19	<=38.45	Pass
			25	20.42	-4.06	14.21	<=38.45	Pass
		50	0	20.42	-4.06	14.21	<=38.45	Pass
	836.5	1	0	20.24	-4.06	14.03	<=38.45	Pass
			25	20.08	-4.06	13.87	<=38.45	Pass
			49	20.11	-4.06	13.90	<=38.45	Pass
		25	0	20.36	-4.06	14.15	<=38.45	Pass
			13	20.32	-4.06	14.11	<=38.45	Pass
			25	20.28	-4.06	14.07	<=38.45	Pass
		50	0	20.28	-4.06	14.07	<=38.45	Pass
	844	1	0	20.18	-4.06	13.97	<=38.45	Pass
			25	20.01	-4.06	13.80	<=38.45	Pass
			49	20.05	-4.06	13.84	<=38.45	Pass
		25	0	20.33	-4.06	14.12	<=38.45	Pass
			13	20.26	-4.06	14.05	<=38.45	Pass
			25	20.28	-4.06	14.07	<=38.45	Pass
		50	0	20.25	-4.06	14.04	<=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	-1.359	-0.0016	-2.5 to 2.5	Pass
					NV	-4.892	-0.0058	-2.5 to 2.5	Pass
					HV	-3.176	-0.0038	-2.5 to 2.5	Pass
				-30	NV	-2.699	-0.0032	-2.5 to 2.5	Pass
				-20	NV	-2.060	-0.0025	-2.5 to 2.5	Pass
				-10	NV	-2.332	-0.0028	-2.5 to 2.5	Pass
				0	NV	-2.847	-0.0034	-2.5 to 2.5	Pass
				10	NV	-3.819	-0.0046	-2.5 to 2.5	Pass
				30	NV	-2.089	-0.0025	-2.5 to 2.5	Pass
				40	NV	-1.259	-0.0015	-2.5 to 2.5	Pass
				50	NV	-4.492	-0.0054	-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	1.113	/	Pass
	16QAM	836.5	6	0	1.106	/	Pass
3	QPSK	836.5	15	0	2.739	/	Pass
	16QAM	836.5	15	0	2.730	/	Pass
5	QPSK	836.5	25	0	4.570	/	Pass
	16QAM	836.5	25	0	4.542	/	Pass
10	QPSK	836.5	50	0	9.031	/	Pass
	16QAM	836.5	50	0	9.061	/	Pass

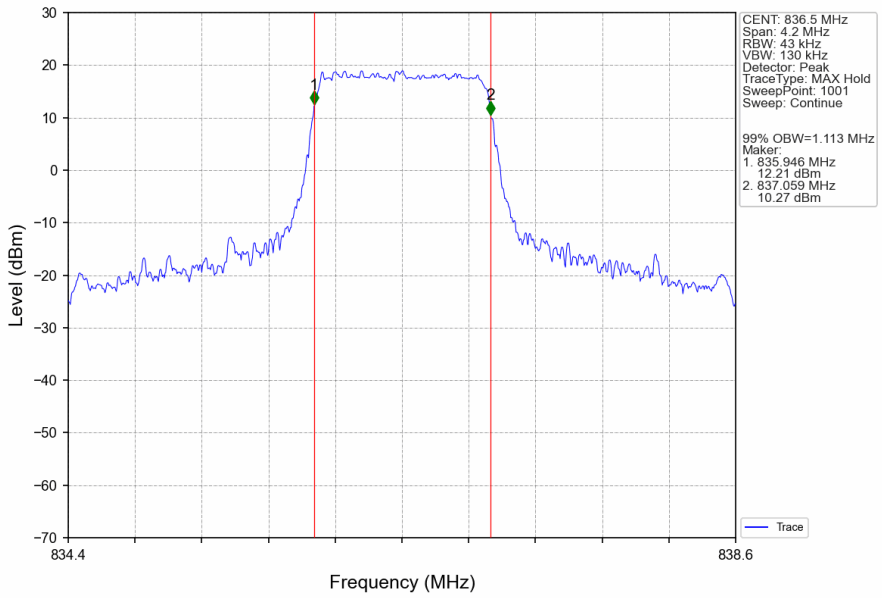
3.1.2 Band5_XDB

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	1.349	/	Pass
	16QAM	836.5	6	0	1.302	/	Pass
3	QPSK	836.5	15	0	3.025	/	Pass
	16QAM	836.5	15	0	3.009	/	Pass
5	QPSK	836.5	25	0	5.096	/	Pass
	16QAM	836.5	25	0	5.059	/	Pass
10	QPSK	836.5	50	0	10.040	/	Pass
	16QAM	836.5	50	0	9.913	/	Pass

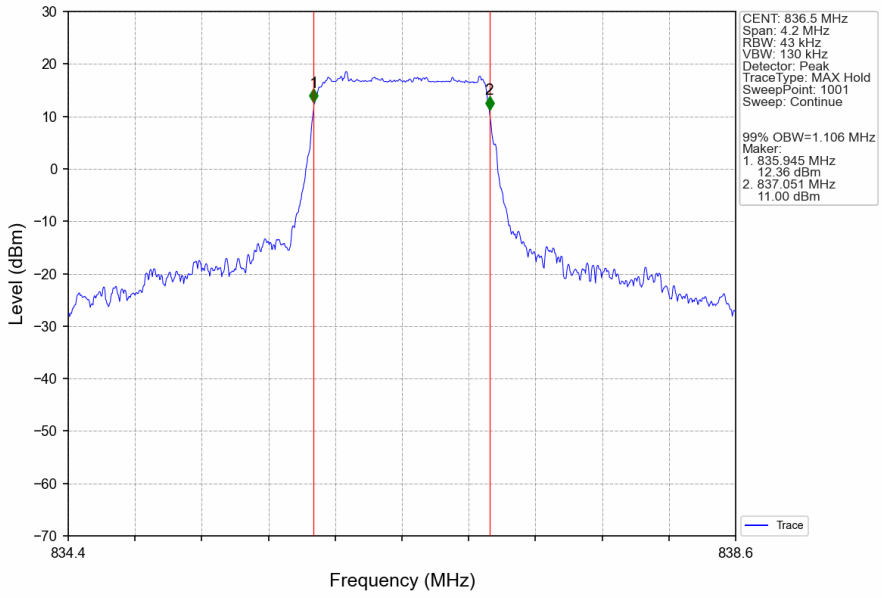
3.2 Test Graph

3.2.1 Band5_OBW

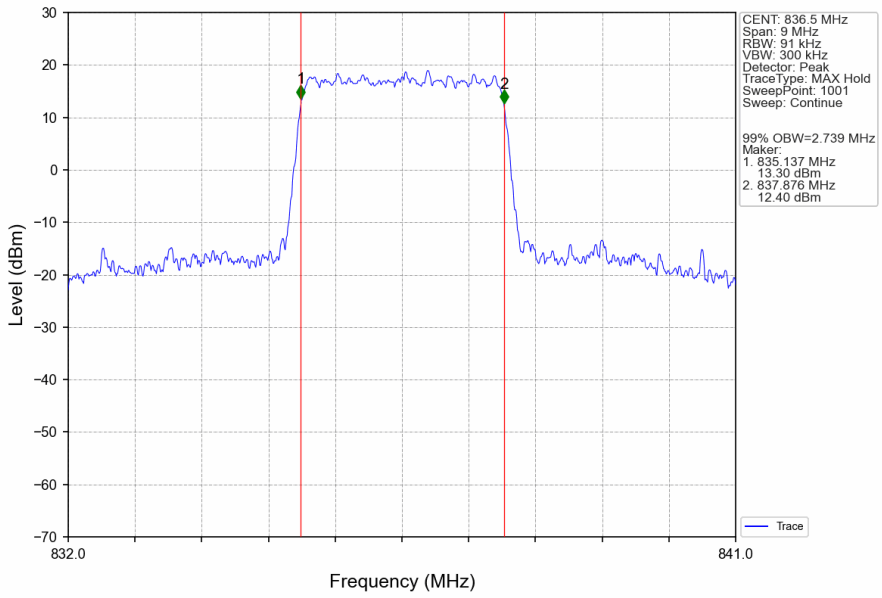
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



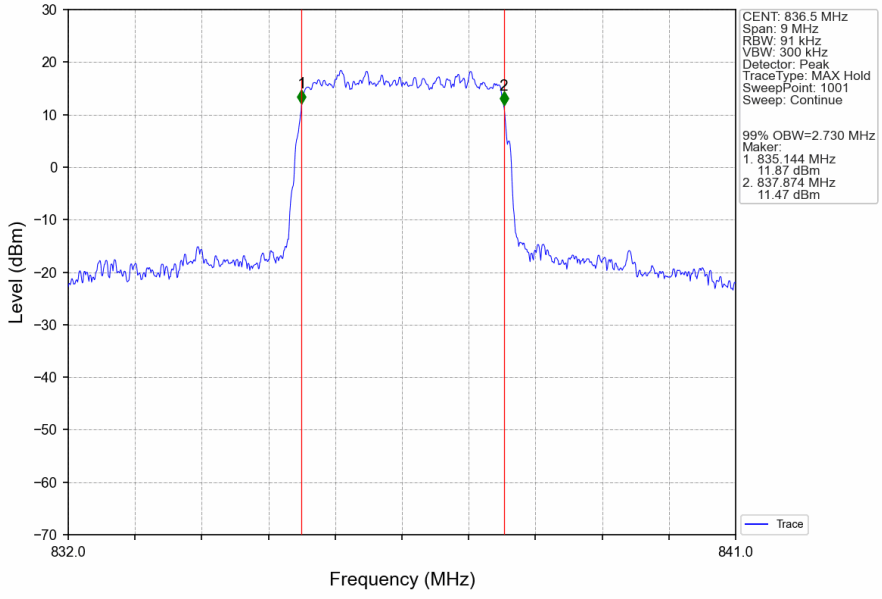
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



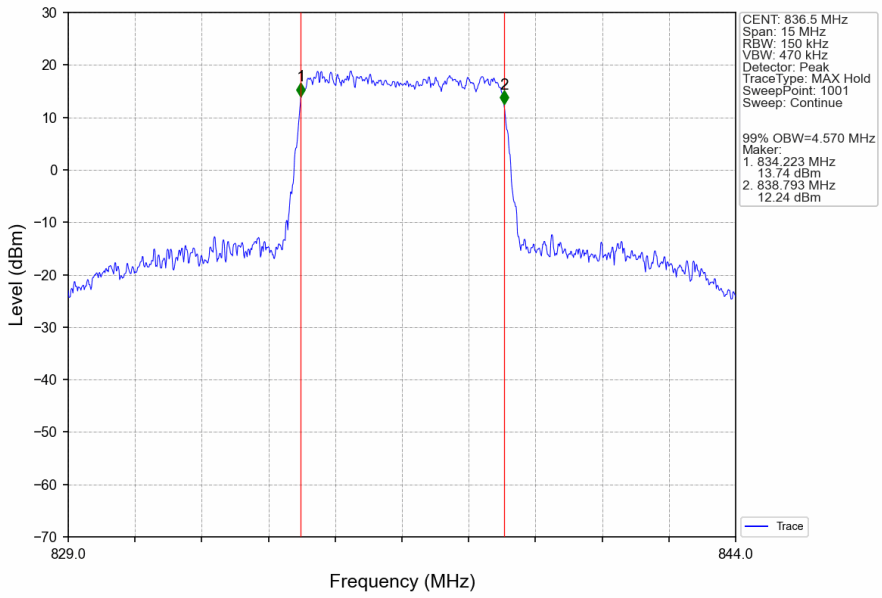
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



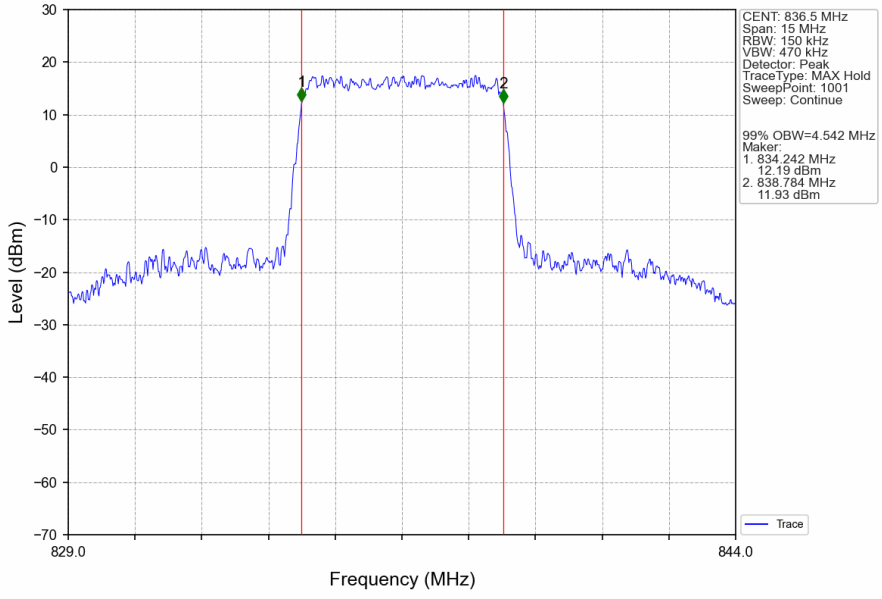
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



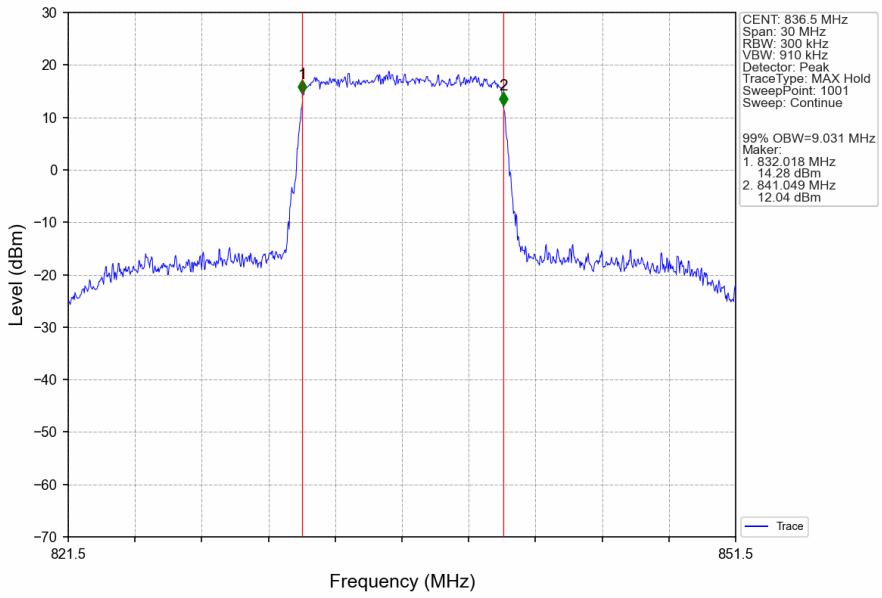
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



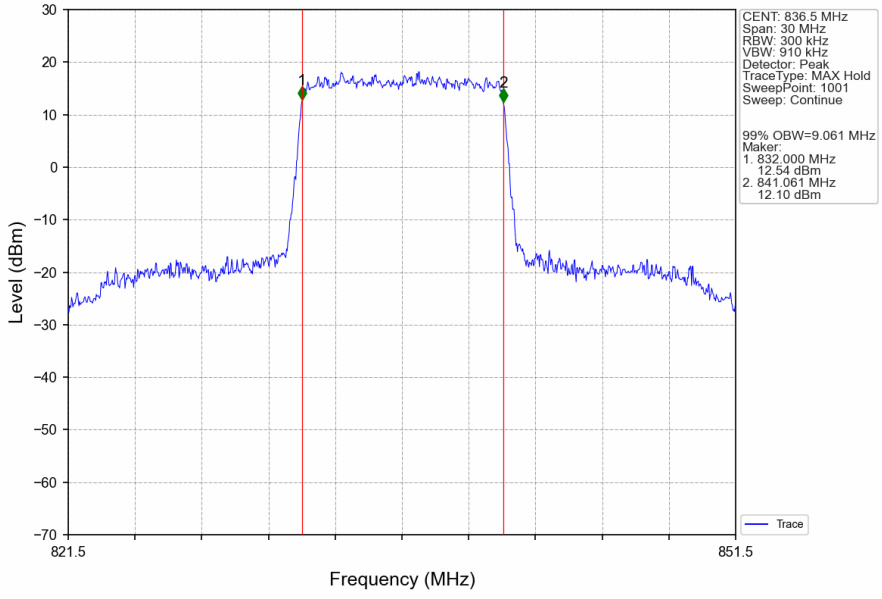
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

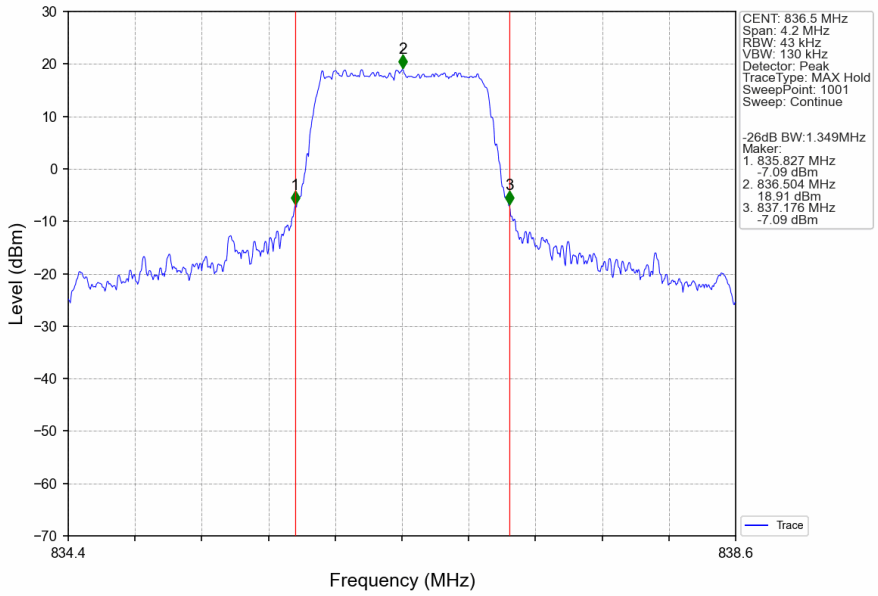


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

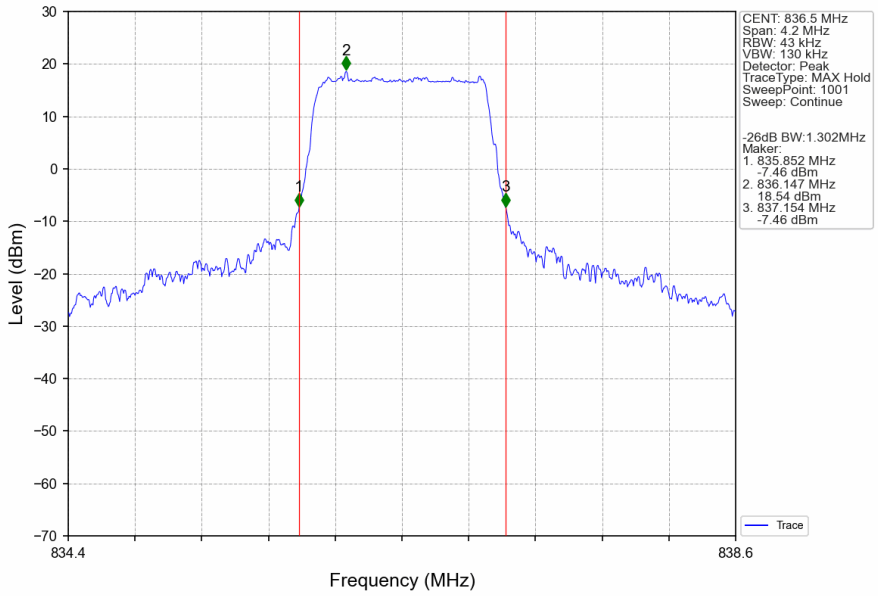


3.2.2 Band5_XDB

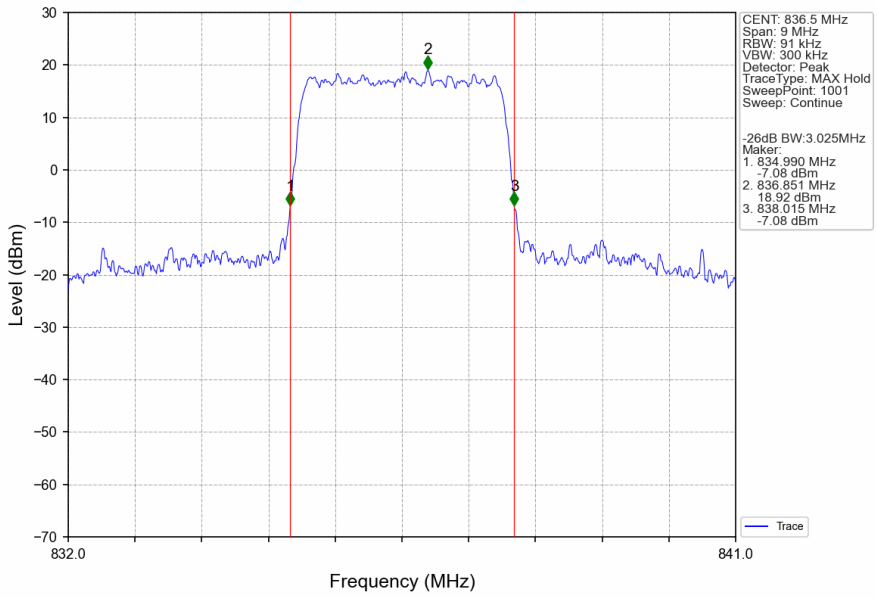
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



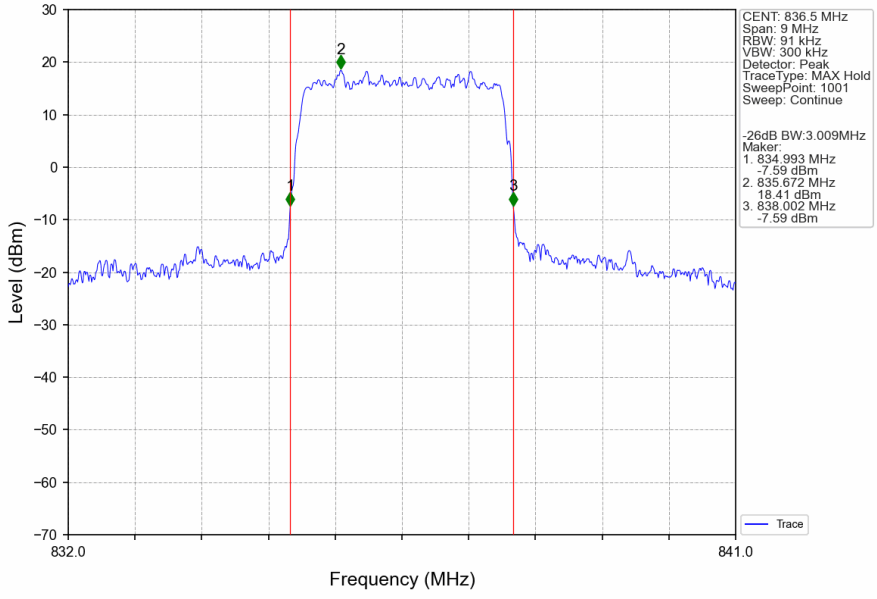
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



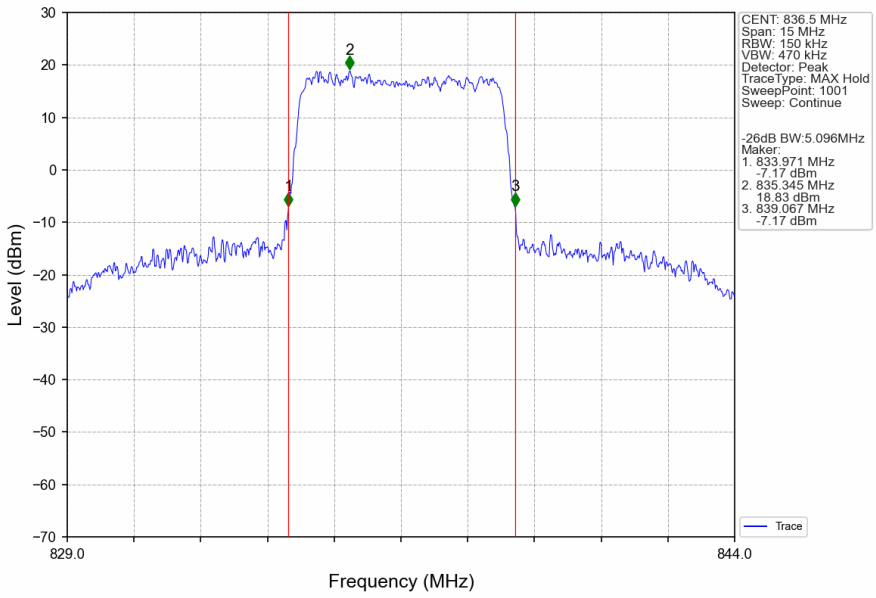
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



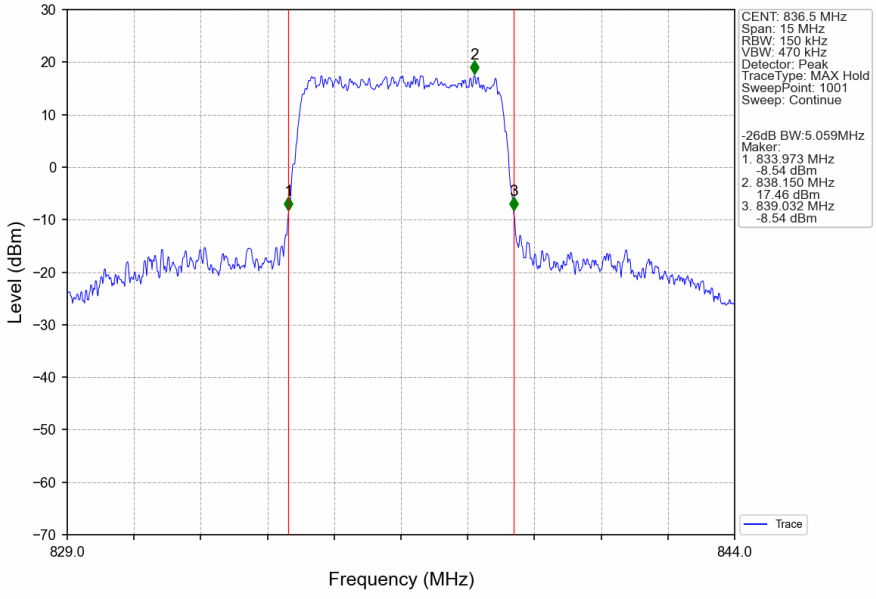
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



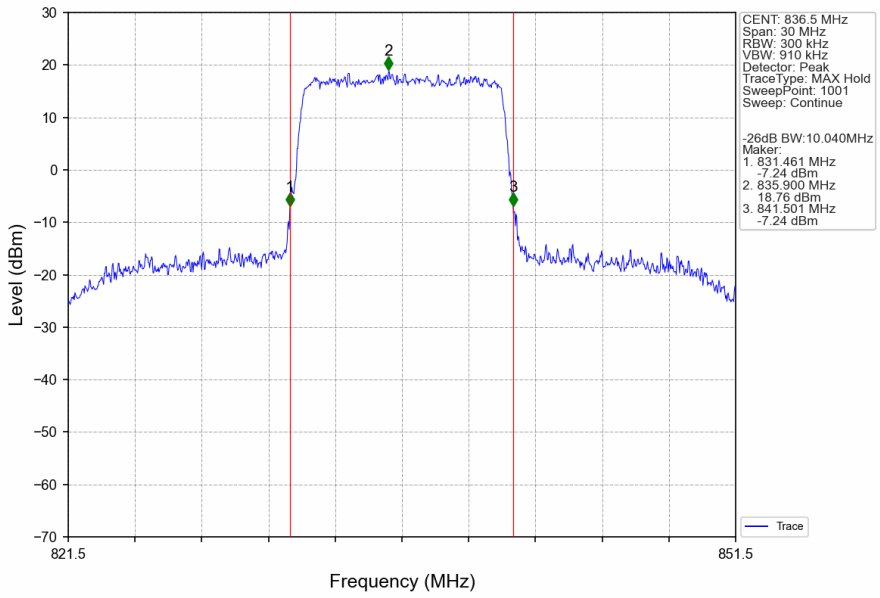
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



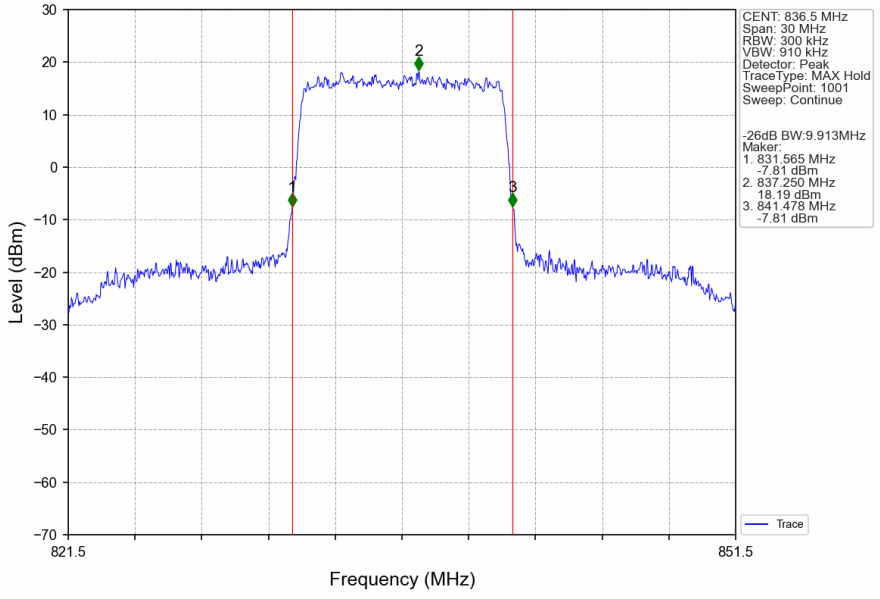
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



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

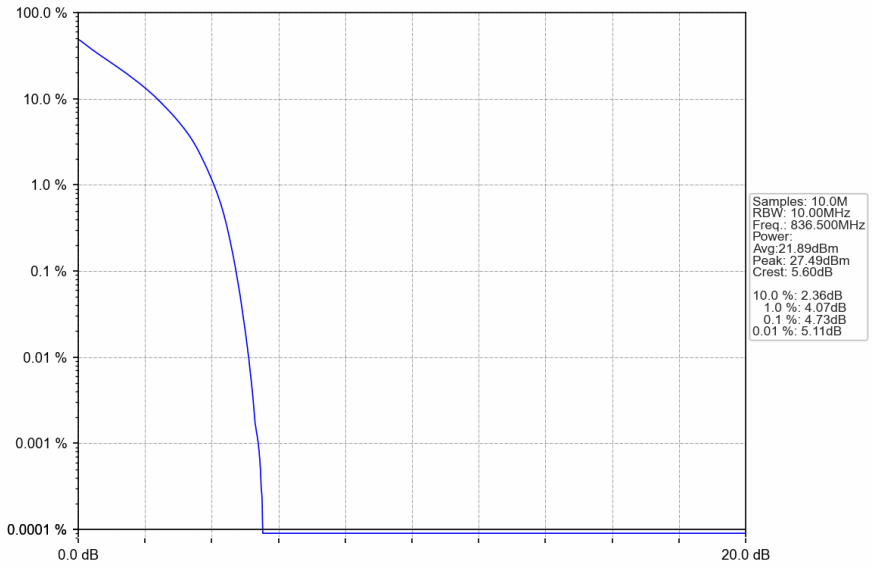
4.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.73	<=13	Pass
16QAM	836.5	50	0	5.42	<=13	Pass
64QAM	836.5	50	0	5.99	<=13	Pass
256QAM	836.5	50	0	6.49	<=13	Pass

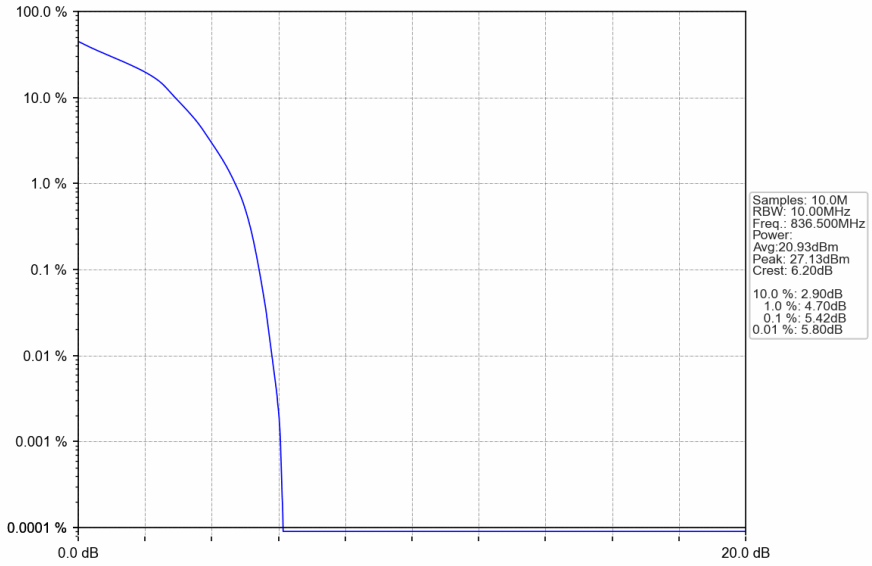
4.2 Test Graph

4.2.1 B5_10MHz

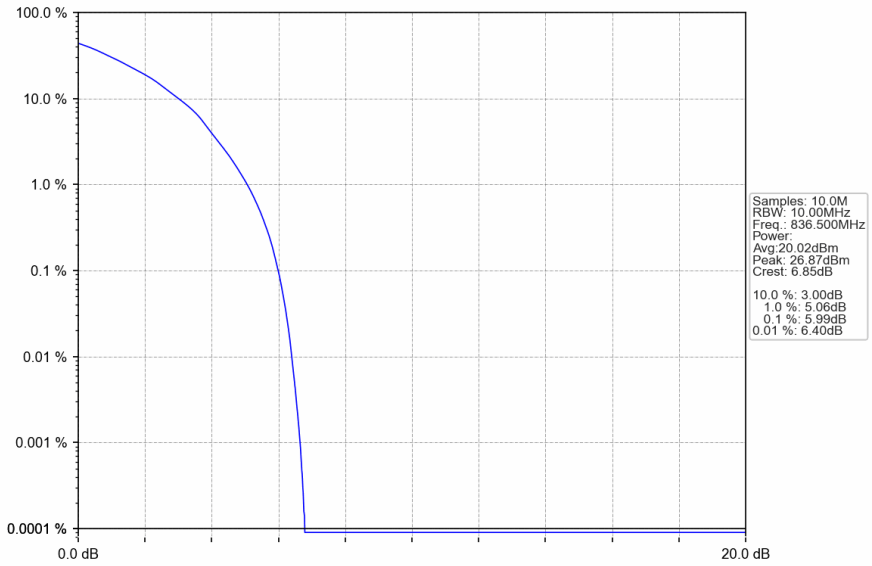
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



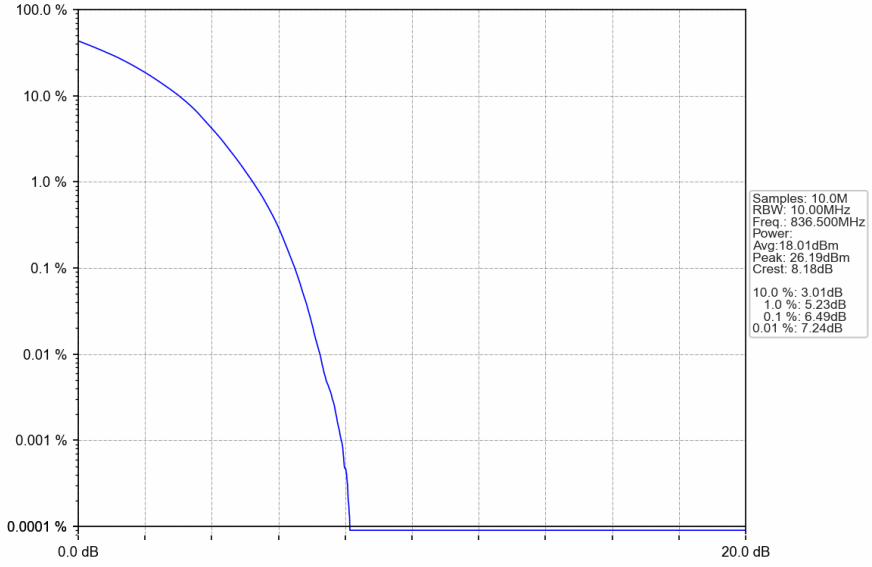
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



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

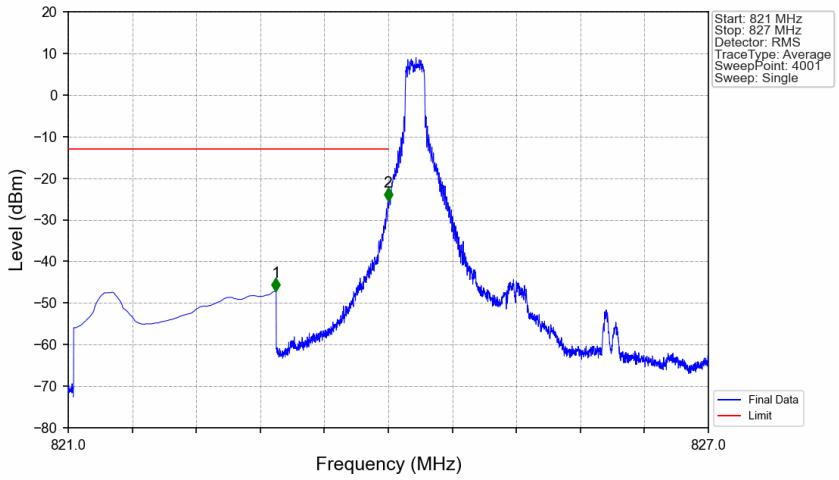
5.1.4 B5_10MHz

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

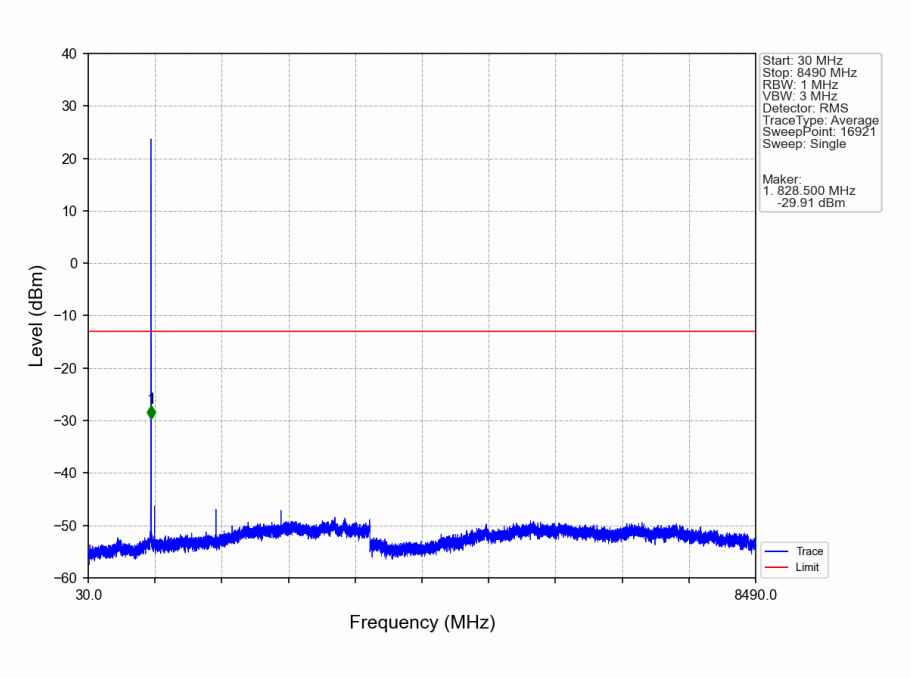
5.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

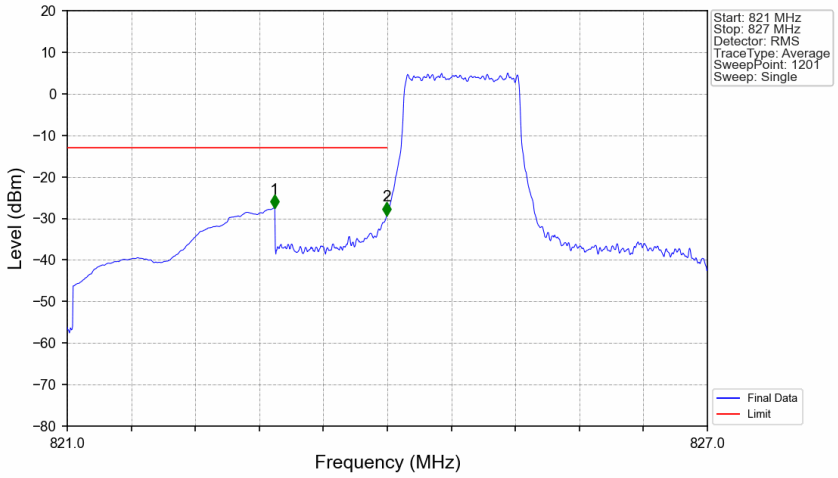


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-47.19	-13	Pass
823	824	0.003	/	2	823.997	-25.49	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

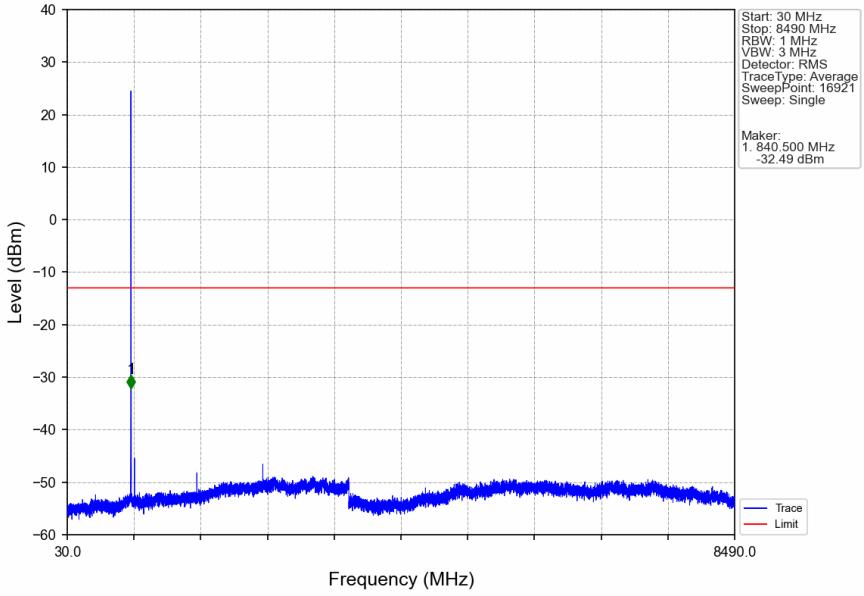


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

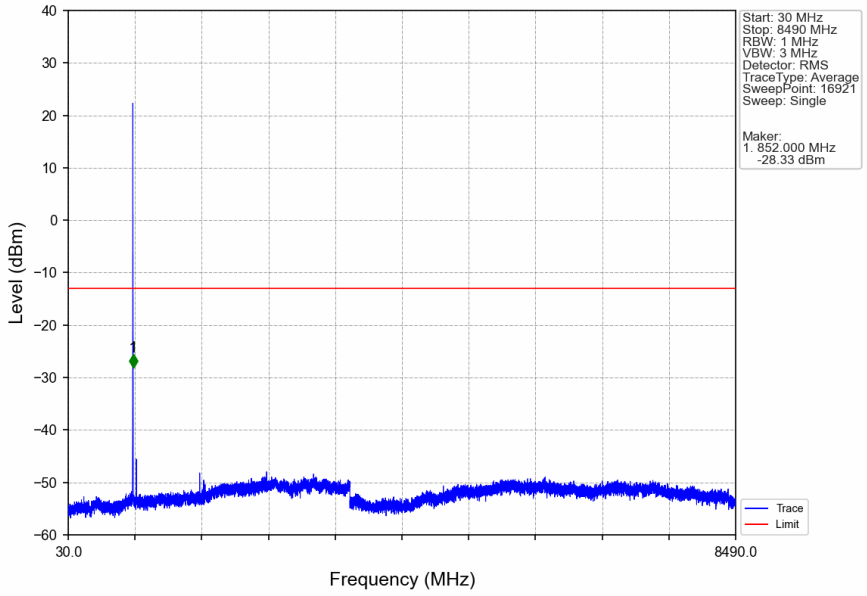


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.940	-27.50	-13	Pass
823	824	0.013	CHP	2	823.995	-29.22	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

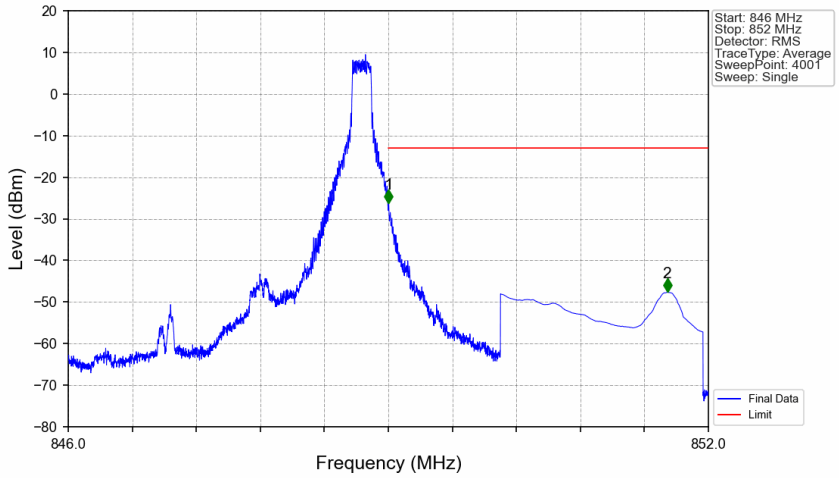
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

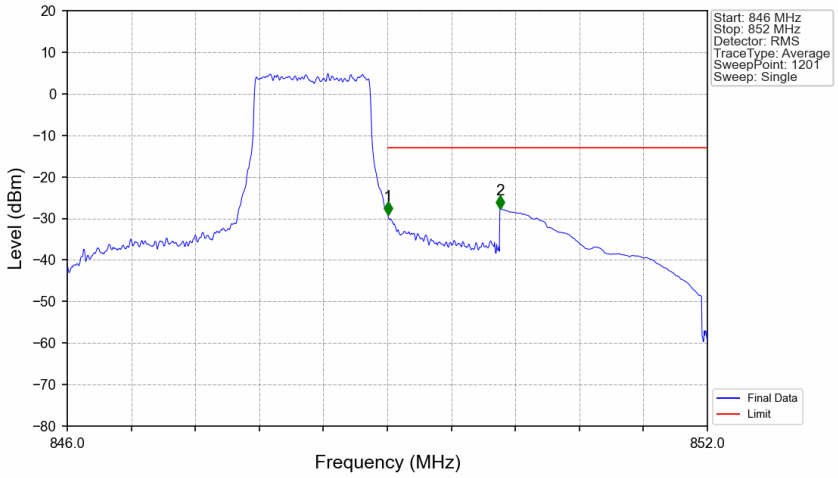


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



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	849.001	-26.17	-13	Pass
850	852	0.1	CHP	2	851.615	-47.59	-13	Pass

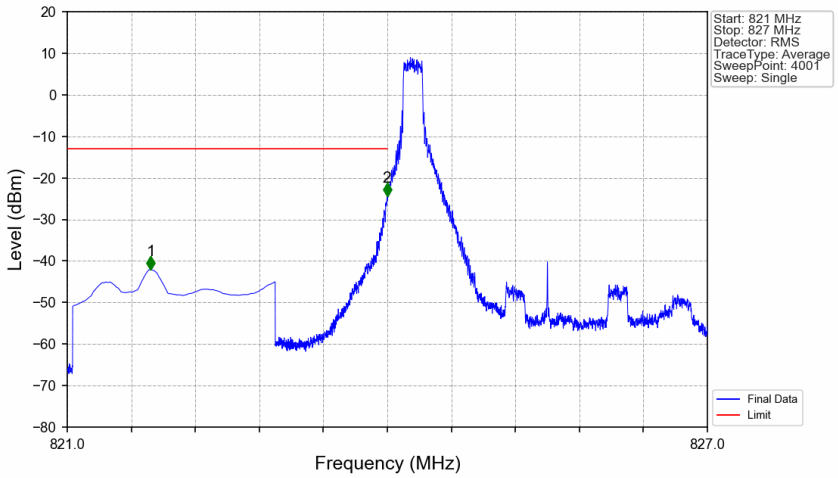
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



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	-29.06	-13	Pass
850	852	0.1	CHP	2	850.055	-27.70	-13	Pass

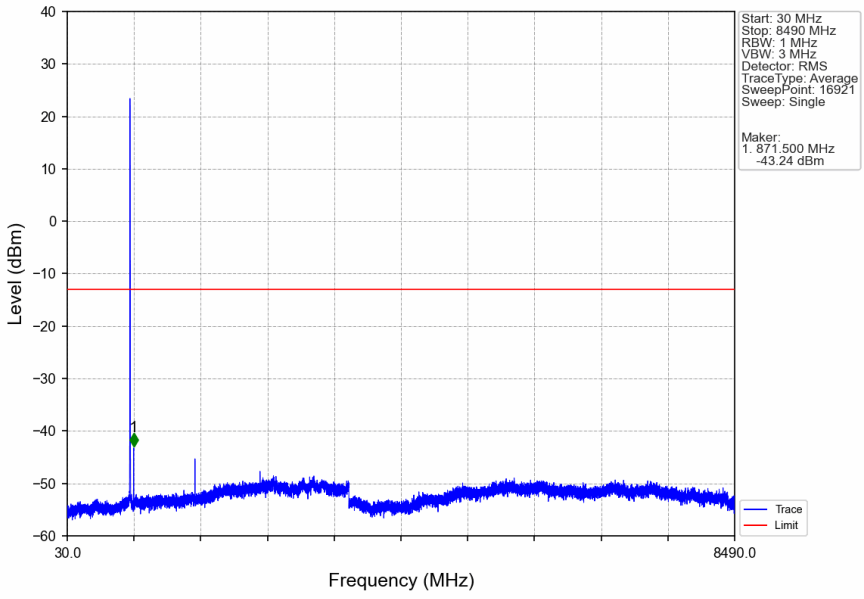
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

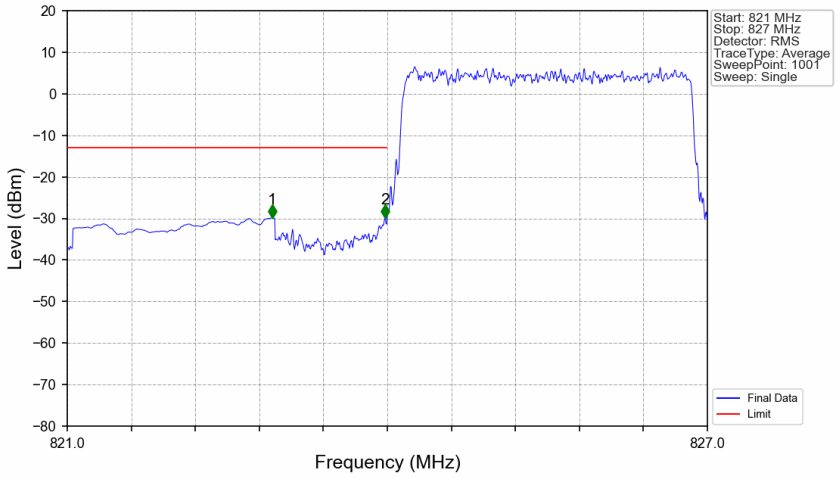


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.782	-42.10	-13	Pass
823	824	0.003	/	2	823.997	-24.40	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

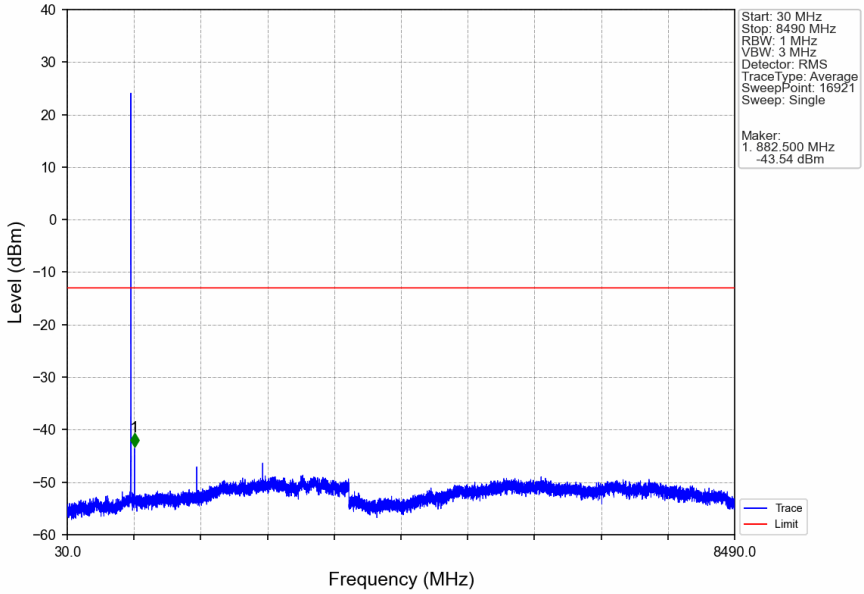


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

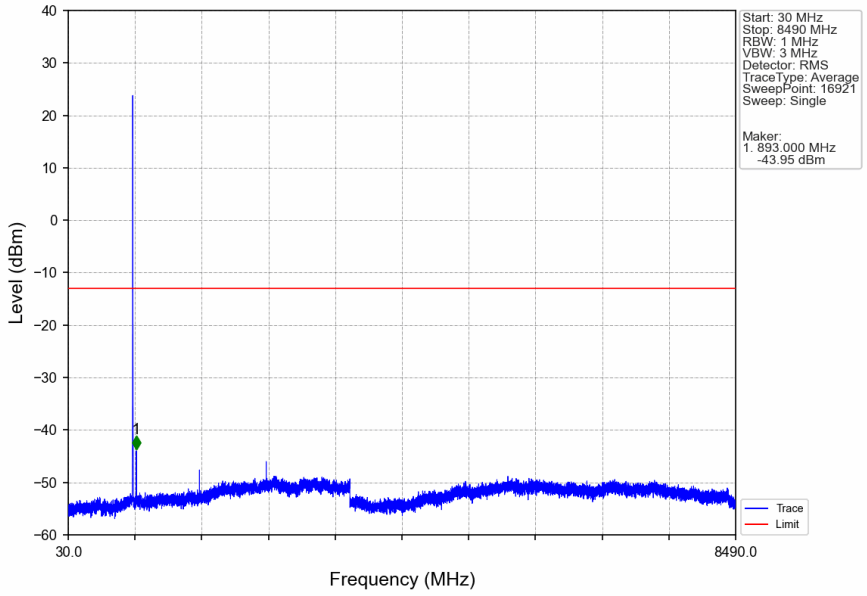


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.920	-29.86	-13	Pass
823	824	0.03	/	2	823.982	-29.93	-13	Pass
824	827	0.03	/	/	/	/	/	/

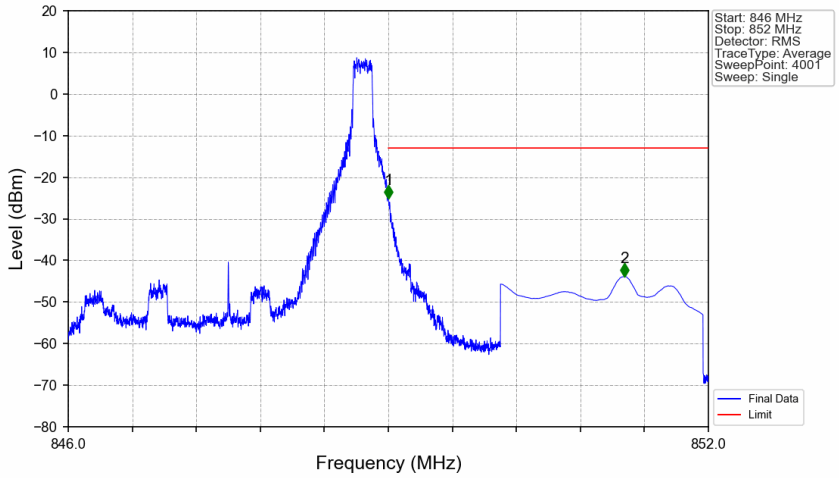
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

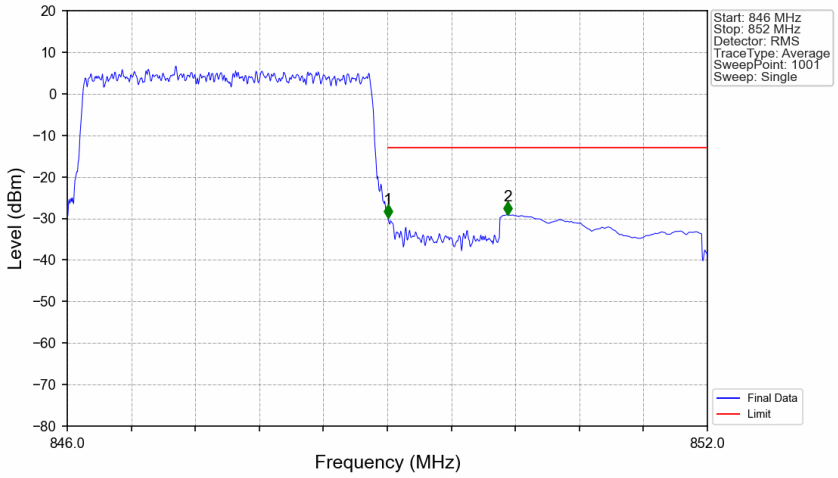


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	849.001	-25.14	-13	Pass
850	852	0.1	CHP	2	851.211	-43.87	-13	Pass

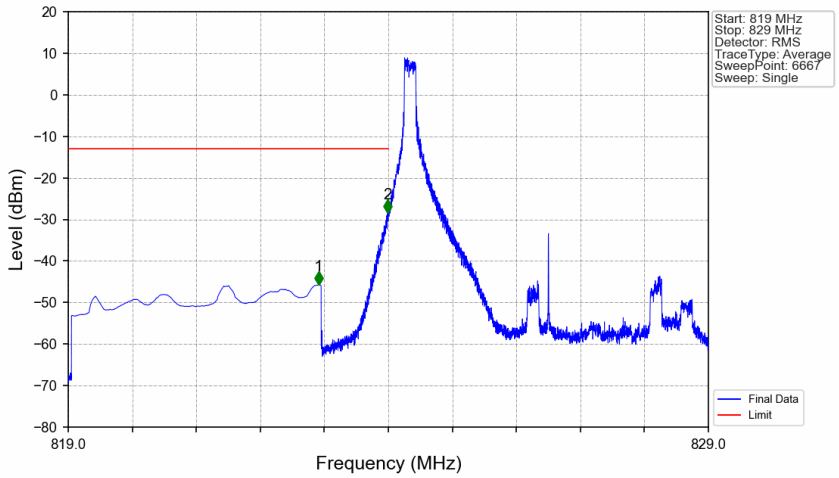
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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	-29.94	-13	Pass
850	852	0.1	CHP	2	850.128	-29.10	-13	Pass

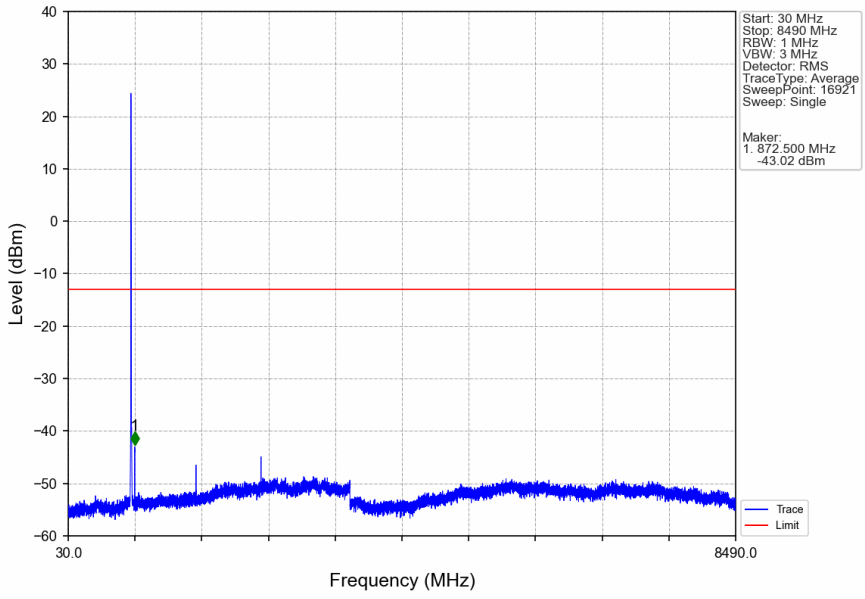
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

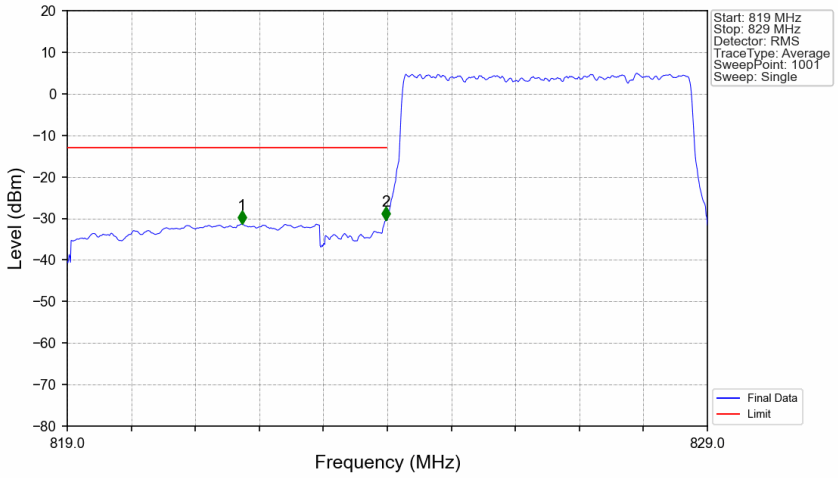


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.912	-45.63	-13	Pass
823	824	0.003	/	2	823.989	-28.43	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

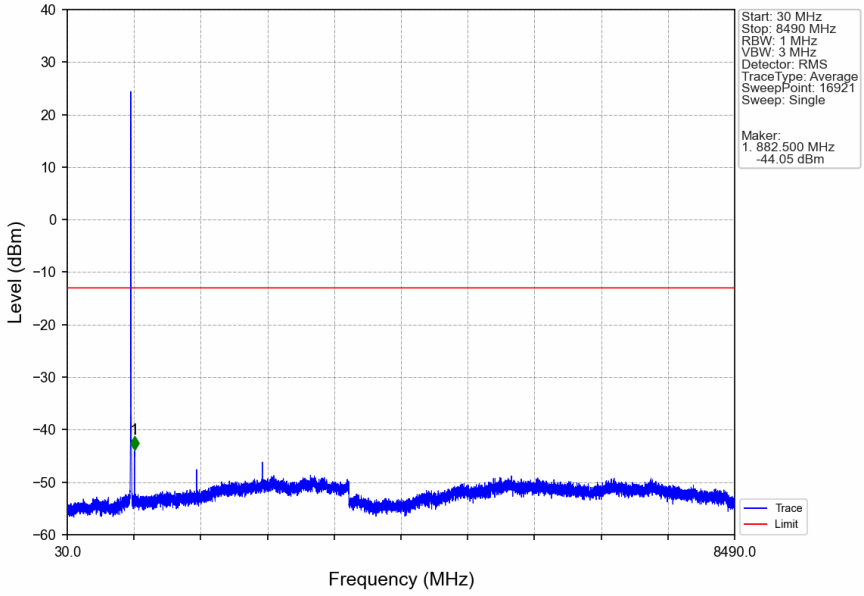


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

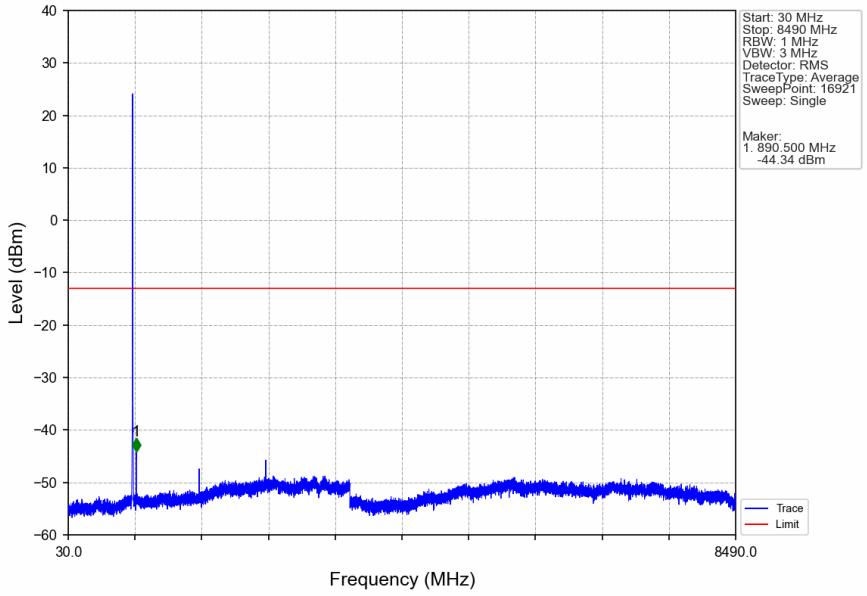


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	821.730	-31.27	-13	Pass
823	824	0.051	CHP	2	823.980	-30.41	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

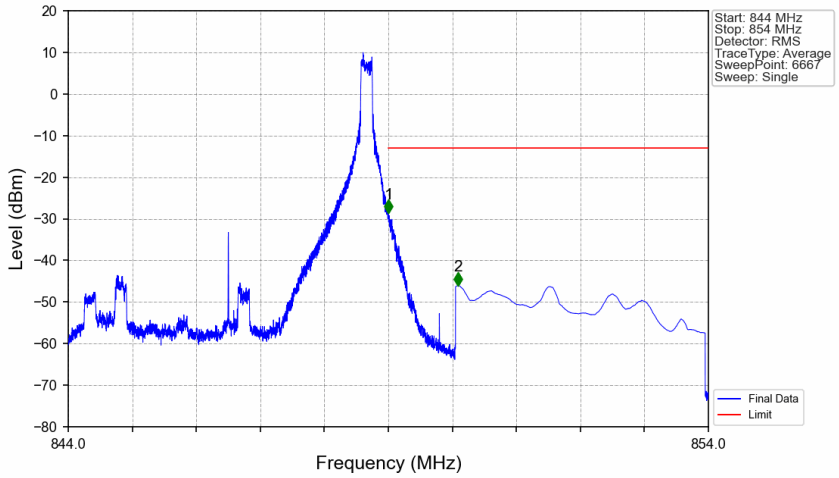
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

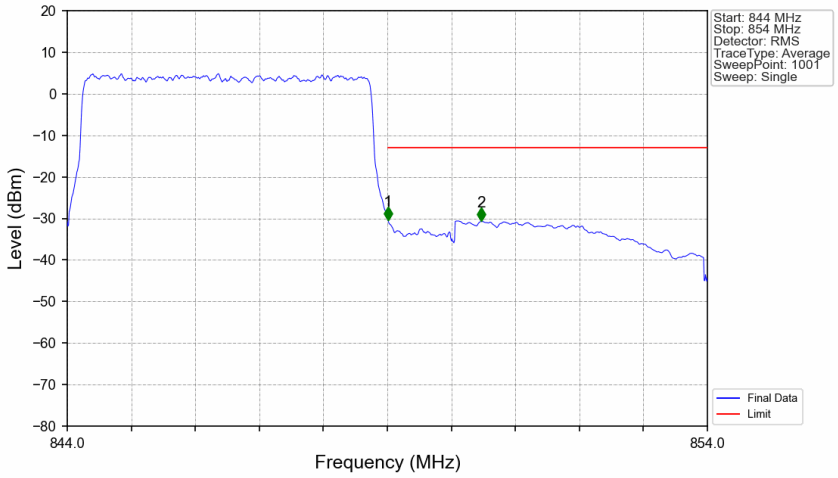


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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	849.001	-28.60	-13	Pass
850	854	0.1	CHP	2	850.089	-45.97	-13	Pass

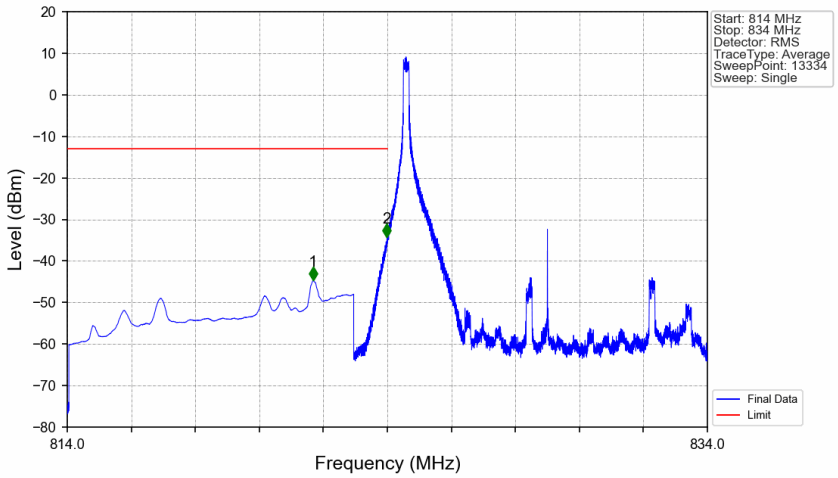
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-30.40	-13	Pass
850	854	0.1	CHP	2	850.470	-30.61	-13	Pass

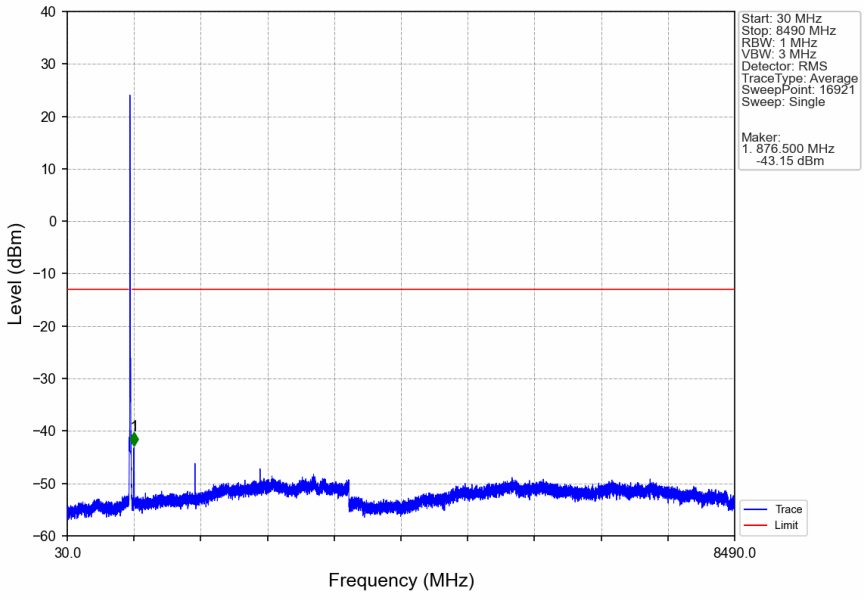
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

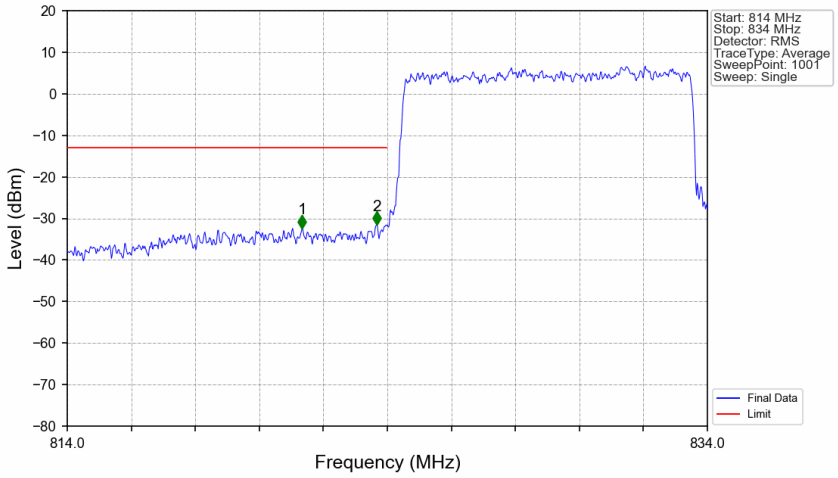


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	821.677	-44.64	-13	Pass
823	824	0.003	/	2	823.987	-34.24	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

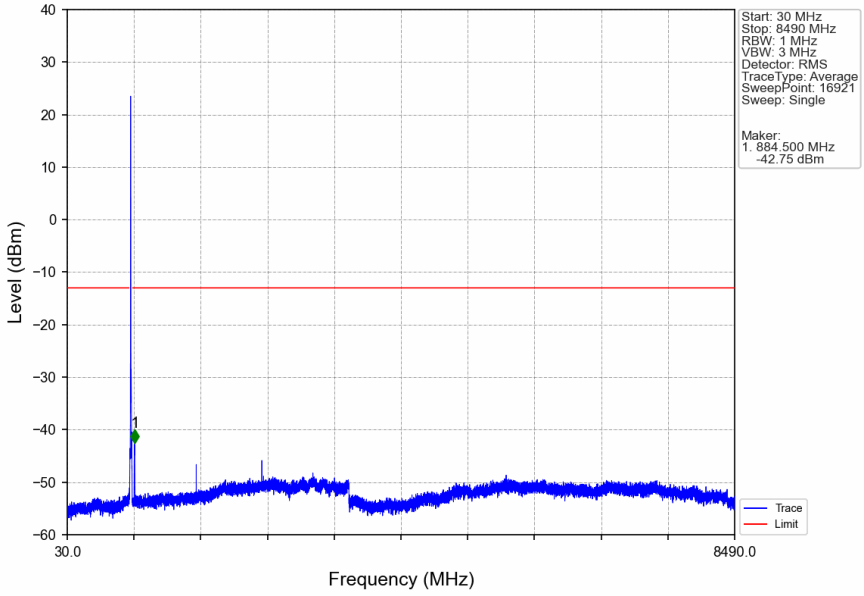


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

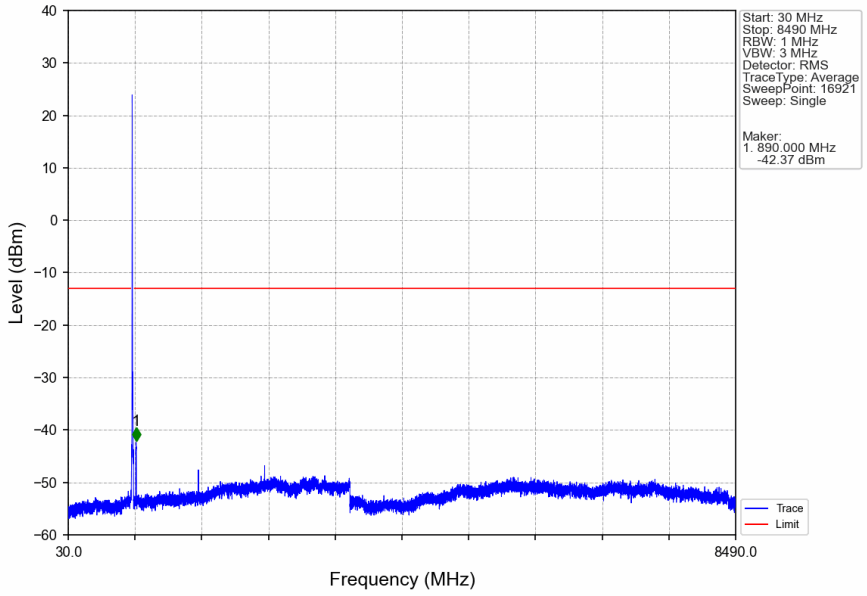


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	821.340	-32.31	-13	Pass
823	824	0.1	/	2	823.680	-31.54	-13	Pass
824	834	0.1	/	/	/	/	/	/

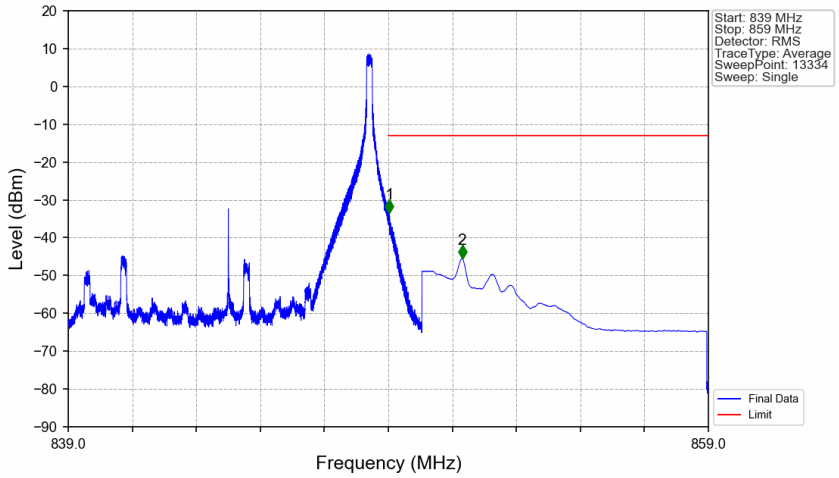
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

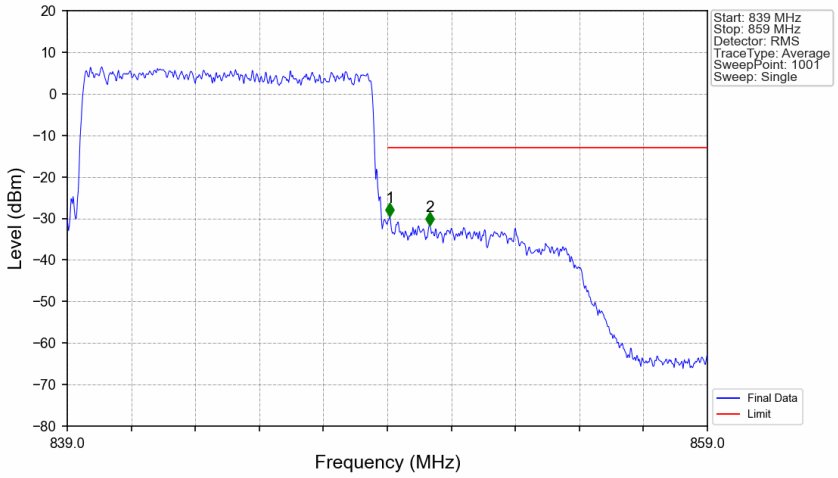


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.026	-33.44	-13	Pass
850	859	0.1	CHP	2	851.309	-45.51	-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	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.080	-29.47	-13	Pass
850	859	0.1	/	2	850.320	-31.61	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5 ANT0-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	-70.43	-13	-57.43	-73.31	2.62	5.5	Horizontal	Pass
2473.5	-69.05	-13	-56.05	-71.75	3.06	5.76	Horizontal	Pass
3298.0	-67.62	-13	-54.62	-71.98	3.3	7.66	Horizontal	Pass
1649.0	-68.94	-13	-55.94	-71.82	2.62	5.5	Vertical	Pass
2473.5	-68.03	-13	-55.03	-70.73	3.06	5.76	Vertical	Pass
3298.0	-67.54	-13	-54.54	-71.9	3.3	7.66	Vertical	Pass

LTE Band 5 ANT0-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	-71.74	-13	-58.74	-74.58	2.63	5.47	Horizontal	Pass
2496.0	-69.46	-13	-56.46	-72.19	3.08	5.81	Horizontal	Pass
3328.0	-67.99	-13	-54.99	-72.42	3.31	7.74	Horizontal	Pass
1664.0	-72.18	-13	-59.18	-75.02	2.63	5.47	Vertical	Pass
2496.0	-69.48	-13	-56.48	-72.21	3.08	5.81	Vertical	Pass
3328.0	-67.62	-13	-54.62	-72.05	3.31	7.74	Vertical	Pass

LTE Band 5 ANT0-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	-72.15	-13	-59.15	-74.95	2.63	5.43	Horizontal	Pass
2518.5	-69.54	-13	-56.54	-72.32	3.08	5.86	Horizontal	Pass
3358.0	-67.5	-13	-54.5	-71.99	3.33	7.82	Horizontal	Pass
1679.0	-71.89	-13	-58.89	-74.69	2.63	5.43	Vertical	Pass
2518.5	-70.0	-13	-57.0	-72.78	3.08	5.86	Vertical	Pass
3358.0	-67.5	-13	-54.5	-71.99	3.33	7.82	Vertical	Pass