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	25.16	0.10	23.11	<=38.45	Pass
			2	25.19	0.10	23.14	<=38.45	Pass
			5	25.19	0.10	23.14	<=38.45	Pass
		3	0	25.22	0.10	23.17	<=38.45	Pass
			2	25.15	0.10	23.10	<=38.45	Pass
			3	25.15	0.10	23.10	<=38.45	Pass
		6	0	24.12	0.10	22.07	<=38.45	Pass
	836.5	1	0	24.93	0.10	22.88	<=38.45	Pass
			2	25.08	0.10	23.03	<=38.45	Pass
			5	25.02	0.10	22.97	<=38.45	Pass
		3	0	25.03	0.10	22.98	<=38.45	Pass
			2	25.05	0.10	23.00	<=38.45	Pass
			3	25.07	0.10	23.02	<=38.45	Pass
		6	0	24.07	0.10	22.02	<=38.45	Pass
	848.3	1	0	24.97	0.10	22.92	<=38.45	Pass
			2	24.99	0.10	22.94	<=38.45	Pass
			5	25.02	0.10	22.97	<=38.45	Pass
		3	0	25.10	0.10	23.05	<=38.45	Pass
			2	24.95	0.10	22.90	<=38.45	Pass
			3	25.01	0.10	22.96	<=38.45	Pass
		6	0	24.12	0.10	22.07	<=38.45	Pass
16QAM	824.7	1	0	24.40	0.10	22.35	<=38.45	Pass
			2	24.70	0.10	22.65	<=38.45	Pass
			5	24.42	0.10	22.37	<=38.45	Pass
		3	0	24.18	0.10	22.13	<=38.45	Pass
			2	24.23	0.10	22.18	<=38.45	Pass
			3	24.18	0.10	22.13	<=38.45	Pass
		6	0	23.20	0.10	21.15	<=38.45	Pass
	836.5	1	0	24.37	0.10	22.32	<=38.45	Pass
			2	24.27	0.10	22.22	<=38.45	Pass
			5	24.32	0.10	22.27	<=38.45	Pass
		3	0	24.11	0.10	22.06	<=38.45	Pass
			2	24.25	0.10	22.20	<=38.45	Pass
			3	24.17	0.10	22.12	<=38.45	Pass
		6	0	23.16	0.10	21.11	<=38.45	Pass
	848.3	1	0	24.33	0.10	22.28	<=38.45	Pass
			2	24.44	0.10	22.39	<=38.45	Pass
			5	24.30	0.10	22.25	<=38.45	Pass
		3	0	24.11	0.10	22.06	<=38.45	Pass
			2	23.98	0.10	21.93	<=38.45	Pass
			3	24.11	0.10	22.06	<=38.45	Pass
		6	0	23.06	0.10	21.01	<=38.45	Pass
64QAM	824.7	1	0	24.27	0.10	22.22	<=38.45	Pass
			2	24.19	0.10	22.14	<=38.45	Pass
			5	24.24	0.10	22.19	<=38.45	Pass
		3	0	24.23	0.10	22.18	<=38.45	Pass
			2	24.17	0.10	22.12	<=38.45	Pass
			3	24.16	0.10	22.11	<=38.45	Pass

		6	0	23.24	0.10	21.19	<=38.45	Pass
	836.5	1	0	24.10	0.10	22.05	<=38.45	Pass
			2	23.99	0.10	21.94	<=38.45	Pass
			5	24.17	0.10	22.12	<=38.45	Pass
		3	0	24.01	0.10	21.96	<=38.45	Pass
			2	24.07	0.10	22.02	<=38.45	Pass
			3	24.12	0.10	22.07	<=38.45	Pass
		6	0	23.19	0.10	21.14	<=38.45	Pass
	848.3	1	0	24.20	0.10	22.15	<=38.45	Pass
			2	24.16	0.10	22.11	<=38.45	Pass
			5	24.08	0.10	22.03	<=38.45	Pass
		3	0	24.20	0.10	22.15	<=38.45	Pass
			2	23.92	0.10	21.87	<=38.45	Pass
			3	24.05	0.10	22.00	<=38.45	Pass
		6	0	23.10	0.10	21.05	<=38.45	Pass
256QAM	824.7	1	0	20.23	0.10	18.18	<=38.45	Pass
			2	20.29	0.10	18.24	<=38.45	Pass
			5	20.15	0.10	18.10	<=38.45	Pass
		3	0	20.10	0.10	18.05	<=38.45	Pass
			2	20.21	0.10	18.16	<=38.45	Pass
			3	19.92	0.10	17.87	<=38.45	Pass
		6	0	20.16	0.10	18.11	<=38.45	Pass
	836.5	1	0	20.10	0.10	18.05	<=38.45	Pass
			2	20.17	0.10	18.12	<=38.45	Pass
			5	20.00	0.10	17.95	<=38.45	Pass
		3	0	20.01	0.10	17.96	<=38.45	Pass
			2	19.52	0.10	17.47	<=38.45	Pass
			3	20.17	0.10	18.12	<=38.45	Pass
		6	0	20.22	0.10	18.17	<=38.45	Pass
	848.3	1	0	20.22	0.10	18.17	<=38.45	Pass
			2	20.12	0.10	18.07	<=38.45	Pass
			5	20.24	0.10	18.19	<=38.45	Pass
		3	0	20.01	0.10	17.96	<=38.45	Pass
			2	19.96	0.10	17.91	<=38.45	Pass
			3	20.09	0.10	18.04	<=38.45	Pass
		6	0	20.08	0.10	18.03	<=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	25.14	0.10	23.09	<=38.45	Pass
			7	25.07	0.10	23.02	<=38.45	Pass
			14	24.94	0.10	22.89	<=38.45	Pass
		8	0	24.23	0.10	22.18	<=38.45	Pass
			4	24.21	0.10	22.16	<=38.45	Pass
			7	24.12	0.10	22.07	<=38.45	Pass
		15	0	24.19	0.10	22.14	<=38.45	Pass
	836.5	1	0	25.38	0.10	23.33	<=38.45	Pass
			7	25.42	0.10	23.37	<=38.45	Pass
			14	25.32	0.10	23.27	<=38.45	Pass
		8	0	24.05	0.10	22.00	<=38.45	Pass
			4	24.12	0.10	22.07	<=38.45	Pass
			7	24.08	0.10	22.03	<=38.45	Pass

		15	0	24.03	0.10	21.98	<=38.45	Pass
	847.5	1	0	25.09	0.10	23.04	<=38.45	Pass
			7	25.02	0.10	22.97	<=38.45	Pass
			14	24.93	0.10	22.88	<=38.45	Pass
		8	0	24.04	0.10	21.99	<=38.45	Pass
			4	24.10	0.10	22.05	<=38.45	Pass
			7	24.15	0.10	22.10	<=38.45	Pass
		15	0	23.99	0.10	21.94	<=38.45	Pass
16QAM	825.5	1	0	24.35	0.10	22.30	<=38.45	Pass
			7	24.60	0.10	22.55	<=38.45	Pass
			14	24.18	0.10	22.13	<=38.45	Pass
		8	0	23.25	0.10	21.20	<=38.45	Pass
			4	23.21	0.10	21.16	<=38.45	Pass
			7	23.28	0.10	21.23	<=38.45	Pass
		15	0	23.26	0.10	21.21	<=38.45	Pass
	836.5	1	0	24.59	0.10	22.54	<=38.45	Pass
			7	24.53	0.10	22.48	<=38.45	Pass
			14	24.39	0.10	22.34	<=38.45	Pass
		8	0	23.10	0.10	21.05	<=38.45	Pass
			4	23.28	0.10	21.23	<=38.45	Pass
			7	23.20	0.10	21.15	<=38.45	Pass
		15	0	23.06	0.10	21.01	<=38.45	Pass
	847.5	1	0	24.56	0.10	22.51	<=38.45	Pass
			7	24.36	0.10	22.31	<=38.45	Pass
			14	24.32	0.10	22.27	<=38.45	Pass
		8	0	23.17	0.10	21.12	<=38.45	Pass
			4	23.17	0.10	21.12	<=38.45	Pass
			7	23.20	0.10	21.15	<=38.45	Pass
		15	0	23.07	0.10	21.02	<=38.45	Pass
64QAM	825.5	1	0	23.54	0.10	21.49	<=38.45	Pass
			7	24.28	0.10	22.23	<=38.45	Pass
			14	24.12	0.10	22.07	<=38.45	Pass
		8	0	23.16	0.10	21.11	<=38.45	Pass
			4	23.18	0.10	21.13	<=38.45	Pass
			7	23.27	0.10	21.22	<=38.45	Pass
		15	0	23.23	0.10	21.18	<=38.45	Pass
	836.5	1	0	24.15	0.10	22.10	<=38.45	Pass
			7	24.31	0.10	22.26	<=38.45	Pass
			14	24.12	0.10	22.07	<=38.45	Pass
		8	0	23.13	0.10	21.08	<=38.45	Pass
			4	23.27	0.10	21.22	<=38.45	Pass
			7	23.20	0.10	21.15	<=38.45	Pass
		15	0	23.14	0.10	21.09	<=38.45	Pass
	847.5	1	0	24.07	0.10	22.02	<=38.45	Pass
			7	24.26	0.10	22.21	<=38.45	Pass
			14	23.94	0.10	21.89	<=38.45	Pass
		8	0	22.90	0.10	20.85	<=38.45	Pass
			4	22.97	0.10	20.92	<=38.45	Pass
			7	23.14	0.10	21.09	<=38.45	Pass
		15	0	23.03	0.10	20.98	<=38.45	Pass
256QAM	825.5	1	0	20.37	0.10	18.32	<=38.45	Pass
			7	20.15	0.10	18.10	<=38.45	Pass
			14	20.12	0.10	18.07	<=38.45	Pass
		8	0	20.19	0.10	18.14	<=38.45	Pass
			4	20.16	0.10	18.11	<=38.45	Pass
			7	20.25	0.10	18.20	<=38.45	Pass
		15	0	20.16	0.10	18.11	<=38.45	Pass
	836.5	1	0	20.12	0.10	18.07	<=38.45	Pass

			7	20.21	0.10	18.16	<=38.45	Pass
			14	20.18	0.10	18.13	<=38.45	Pass
		8	0	20.05	0.10	18.00	<=38.45	Pass
			4	20.21	0.10	18.16	<=38.45	Pass
			7	20.13	0.10	18.08	<=38.45	Pass
		15	0	20.15	0.10	18.10	<=38.45	Pass
	847.5	1	0	20.00	0.10	17.95	<=38.45	Pass
			7	20.05	0.10	18.00	<=38.45	Pass
			14	19.69	0.10	17.64	<=38.45	Pass
		8	0	20.04	0.10	17.99	<=38.45	Pass
			4	20.18	0.10	18.13	<=38.45	Pass
			7	20.07	0.10	18.02	<=38.45	Pass
		15	0	20.17	0.10	18.12	<=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	25.17	0.10	23.12	<=38.45	Pass
			13	25.22	0.10	23.17	<=38.45	Pass
			24	25.18	0.10	23.13	<=38.45	Pass
		12	0	24.20	0.10	22.15	<=38.45	Pass
			6	24.19	0.10	22.14	<=38.45	Pass
			13	24.16	0.10	22.11	<=38.45	Pass
		25	0	24.16	0.10	22.11	<=38.45	Pass
	836.5	1	0	25.44	0.10	23.39	<=38.45	Pass
			13	25.16	0.10	23.11	<=38.45	Pass
			24	25.01	0.10	22.96	<=38.45	Pass
		12	0	24.16	0.10	22.11	<=38.45	Pass
			6	24.14	0.10	22.09	<=38.45	Pass
			13	24.08	0.10	22.03	<=38.45	Pass
		25	0	24.09	0.10	22.04	<=38.45	Pass
	846.5	1	0	24.97	0.10	22.92	<=38.45	Pass
			13	24.84	0.10	22.79	<=38.45	Pass
			24	24.91	0.10	22.86	<=38.45	Pass
		12	0	23.99	0.10	21.94	<=38.45	Pass
			6	23.98	0.10	21.93	<=38.45	Pass
			13	23.99	0.10	21.94	<=38.45	Pass
		25	0	23.91	0.10	21.86	<=38.45	Pass
16QAM	826.5	1	0	24.55	0.10	22.50	<=38.45	Pass
			13	24.36	0.10	22.31	<=38.45	Pass
			24	24.29	0.10	22.24	<=38.45	Pass
		12	0	23.14	0.10	21.09	<=38.45	Pass
			6	23.28	0.10	21.23	<=38.45	Pass
			13	23.18	0.10	21.13	<=38.45	Pass
		25	0	23.17	0.10	21.12	<=38.45	Pass
	836.5	1	0	24.43	0.10	22.38	<=38.45	Pass
			13	24.05	0.10	22.00	<=38.45	Pass
			24	24.28	0.10	22.23	<=38.45	Pass
		12	0	23.11	0.10	21.06	<=38.45	Pass
			6	23.17	0.10	21.12	<=38.45	Pass
			13	23.20	0.10	21.15	<=38.45	Pass
		25	0	23.06	0.10	21.01	<=38.45	Pass
	846.5	1	0	24.66	0.10	22.61	<=38.45	Pass

			13	24.36	0.10	22.31	<=38.45	Pass
			24	23.99	0.10	21.94	<=38.45	Pass
		12	0	23.08	0.10	21.03	<=38.45	Pass
			6	22.98	0.10	20.93	<=38.45	Pass
			13	23.02	0.10	20.97	<=38.45	Pass
		25	0	22.90	0.10	20.85	<=38.45	Pass
64QAM	826.5	1	0	24.08	0.10	22.03	<=38.45	Pass
			13	24.24	0.10	22.19	<=38.45	Pass
			24	24.14	0.10	22.09	<=38.45	Pass
		12	0	23.20	0.10	21.15	<=38.45	Pass
			6	23.33	0.10	21.28	<=38.45	Pass
			13	23.12	0.10	21.07	<=38.45	Pass
		25	0	23.23	0.10	21.18	<=38.45	Pass
	836.5	1	0	24.43	0.10	22.38	<=38.45	Pass
			13	23.94	0.10	21.89	<=38.45	Pass
			24	24.15	0.10	22.10	<=38.45	Pass
		12	0	22.94	0.10	20.89	<=38.45	Pass
			6	23.07	0.10	21.02	<=38.45	Pass
			13	23.00	0.10	20.95	<=38.45	Pass
		25	0	22.98	0.10	20.93	<=38.45	Pass
	846.5	1	0	23.86	0.10	21.81	<=38.45	Pass
			13	24.11	0.10	22.06	<=38.45	Pass
			24	23.85	0.10	21.80	<=38.45	Pass
		12	0	22.92	0.10	20.87	<=38.45	Pass
			6	23.01	0.10	20.96	<=38.45	Pass
			13	22.98	0.10	20.93	<=38.45	Pass
		25	0	22.92	0.10	20.87	<=38.45	Pass
256QAM	826.5	1	0	20.03	0.10	17.98	<=38.45	Pass
			13	20.36	0.10	18.31	<=38.45	Pass
			24	20.00	0.10	17.95	<=38.45	Pass
		12	0	20.24	0.10	18.19	<=38.45	Pass
			6	20.26	0.10	18.21	<=38.45	Pass
			13	20.20	0.10	18.15	<=38.45	Pass
		25	0	20.22	0.10	18.17	<=38.45	Pass
	836.5	1	0	20.01	0.10	17.96	<=38.45	Pass
			13	20.06	0.10	18.01	<=38.45	Pass
			24	19.93	0.10	17.88	<=38.45	Pass
		12	0	20.08	0.10	18.03	<=38.45	Pass
			6	19.70	0.10	17.65	<=38.45	Pass
			13	19.87	0.10	17.82	<=38.45	Pass
		25	0	19.91	0.10	17.86	<=38.45	Pass
	846.5	1	0	19.85	0.10	17.80	<=38.45	Pass
			13	20.15	0.10	18.10	<=38.45	Pass
			24	19.85	0.10	17.80	<=38.45	Pass
		12	0	20.03	0.10	17.98	<=38.45	Pass
			6	20.06	0.10	18.01	<=38.45	Pass
			13	19.94	0.10	17.89	<=38.45	Pass
		25	0	20.01	0.10	17.96	<=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	25.23	0.10	23.18	<=38.45	Pass

			25	24.74	0.10	22.69	<=38.45	Pass
			49	25.03	0.10	22.98	<=38.45	Pass
		25	0	24.16	0.10	22.11	<=38.45	Pass
			13	24.16	0.10	22.11	<=38.45	Pass
			25	24.03	0.10	21.98	<=38.45	Pass
		50	0	24.06	0.10	22.01	<=38.45	Pass
	836.5	1	0	24.87	0.10	22.82	<=38.45	Pass
			25	25.20	0.10	23.15	<=38.45	Pass
			49	24.85	0.10	22.80	<=38.45	Pass
		25	0	24.06	0.10	22.01	<=38.45	Pass
			13	23.89	0.10	21.84	<=38.45	Pass
			25	23.98	0.10	21.93	<=38.45	Pass
		50	0	23.96	0.10	21.91	<=38.45	Pass
	844	1	0	25.19	0.10	23.14	<=38.45	Pass
			25	25.16	0.10	23.11	<=38.45	Pass
			49	24.66	0.10	22.61	<=38.45	Pass
		25	0	24.04	0.10	21.99	<=38.45	Pass
			13	24.08	0.10	22.03	<=38.45	Pass
			25	24.02	0.10	21.97	<=38.45	Pass
		50	0	24.03	0.10	21.98	<=38.45	Pass
16QAM	829	1	0	24.26	0.10	22.21	<=38.45	Pass
			25	24.05	0.10	22.00	<=38.45	Pass
			49	24.12	0.10	22.07	<=38.45	Pass
		25	0	23.10	0.10	21.05	<=38.45	Pass
			13	23.20	0.10	21.15	<=38.45	Pass
			25	23.00	0.10	20.95	<=38.45	Pass
		50	0	23.10	0.10	21.05	<=38.45	Pass
	836.5	1	0	24.29	0.10	22.24	<=38.45	Pass
			25	24.22	0.10	22.17	<=38.45	Pass
			49	24.06	0.10	22.01	<=38.45	Pass
		25	0	22.92	0.10	20.87	<=38.45	Pass
			13	23.07	0.10	21.02	<=38.45	Pass
			25	23.08	0.10	21.03	<=38.45	Pass
		50	0	23.05	0.10	21.00	<=38.45	Pass
	844	1	0	24.00	0.10	21.95	<=38.45	Pass
			25	24.23	0.10	22.18	<=38.45	Pass
			49	24.08	0.10	22.03	<=38.45	Pass
		25	0	23.13	0.10	21.08	<=38.45	Pass
			13	23.04	0.10	20.99	<=38.45	Pass
			25	23.13	0.10	21.08	<=38.45	Pass
		50	0	23.01	0.10	20.96	<=38.45	Pass
64QAM	829	1	0	23.92	0.10	21.87	<=38.45	Pass
			25	23.97	0.10	21.92	<=38.45	Pass
			49	24.07	0.10	22.02	<=38.45	Pass
		25	0	23.08	0.10	21.03	<=38.45	Pass
			13	23.19	0.10	21.14	<=38.45	Pass
			25	23.10	0.10	21.05	<=38.45	Pass
		50	0	23.12	0.10	21.07	<=38.45	Pass
	836.5	1	0	24.03	0.10	21.98	<=38.45	Pass
			25	24.26	0.10	22.21	<=38.45	Pass
			49	23.83	0.10	21.78	<=38.45	Pass
		25	0	23.07	0.10	21.02	<=38.45	Pass
			13	23.06	0.10	21.01	<=38.45	Pass
			25	23.04	0.10	20.99	<=38.45	Pass
		50	0	23.04	0.10	20.99	<=38.45	Pass
	844	1	0	23.95	0.10	21.90	<=38.45	Pass
			25	23.88	0.10	21.83	<=38.45	Pass
			49	23.86	0.10	21.81	<=38.45	Pass

		25	0	23.10	0.10	21.05	<=38.45	Pass
			13	23.07	0.10	21.02	<=38.45	Pass
			25	23.01	0.10	20.96	<=38.45	Pass
		50	0	23.12	0.10	21.07	<=38.45	Pass
256QAM	829	1	0	20.00	0.10	17.95	<=38.45	Pass
			25	20.23	0.10	18.18	<=38.45	Pass
			49	19.96	0.10	17.91	<=38.45	Pass
		25	0	20.08	0.10	18.03	<=38.45	Pass
			13	20.15	0.10	18.10	<=38.45	Pass
			25	20.10	0.10	18.05	<=38.45	Pass
		50	0	20.07	0.10	18.02	<=38.45	Pass
	836.5	1	0	19.98	0.10	17.93	<=38.45	Pass
			25	20.01	0.10	17.96	<=38.45	Pass
			49	20.05	0.10	18.00	<=38.45	Pass
		25	0	20.07	0.10	18.02	<=38.45	Pass
			13	19.98	0.10	17.93	<=38.45	Pass
			25	20.06	0.10	18.01	<=38.45	Pass
		50	0	19.97	0.10	17.92	<=38.45	Pass
	844	1	0	20.16	0.10	18.11	<=38.45	Pass
			25	20.06	0.10	18.01	<=38.45	Pass
			49	19.85	0.10	17.80	<=38.45	Pass
		25	0	20.11	0.10	18.06	<=38.45	Pass
			13	20.09	0.10	18.04	<=38.45	Pass
			25	20.03	0.10	17.98	<=38.45	Pass
		50	0	20.05	0.10	18.00	<=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	3.23	0.500	0.0006	-2.5 to 2.5	Pass
					3.80	0.800	0.0010	-2.5 to 2.5	Pass
					4.37	-0.200	-0.0002	-2.5 to 2.5	Pass
				-30	3.80	0.600	0.0007	-2.5 to 2.5	Pass
				-20	3.80	-1.700	-0.0020	-2.5 to 2.5	Pass
				-10	3.80	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.80	0.400	0.0005	-2.5 to 2.5	Pass
				30	3.80	-1.400	-0.0017	-2.5 to 2.5	Pass
				40	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.80	-0.900	-0.0011	-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	1.087	/	Pass
	16QAM	836.5	6	0	1.092	/	Pass
	64QAM	836.5	6	0	1.088	/	Pass
	256QAM	836.5	6	0	1.089	/	Pass
3	QPSK	836.5	15	0	2.698	/	Pass
	16QAM	836.5	15	0	2.693	/	Pass
	64QAM	836.5	15	0	2.695	/	Pass
	256QAM	836.5	15	0	2.692	/	Pass
5	QPSK	836.5	25	0	4.523	/	Pass
	16QAM	836.5	25	0	4.523	/	Pass
	64QAM	836.5	25	0	4.526	/	Pass
	256QAM	836.5	25	0	4.524	/	Pass
10	QPSK	836.5	50	0	8.958	/	Pass
	16QAM	836.5	50	0	8.958	/	Pass
	64QAM	836.5	50	0	8.953	/	Pass
	256QAM	836.5	50	0	8.977	/	Pass

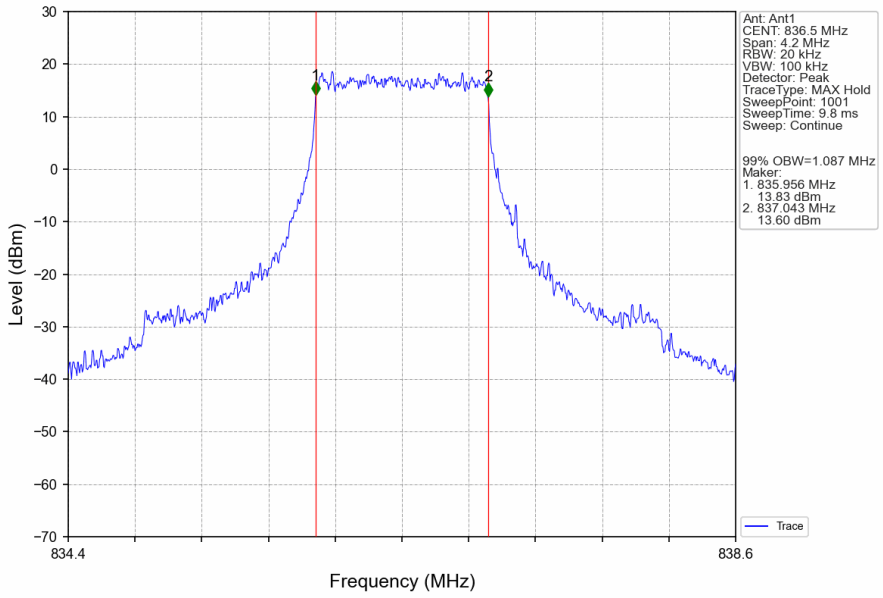
3.1.2 Band5_XDB

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	1.379	/	Pass
	16QAM	836.5	6	0	1.326	/	Pass
	64QAM	836.5	6	0	1.302	/	Pass
	256QAM	836.5	6	0	1.329	/	Pass
3	QPSK	836.5	15	0	3.022	/	Pass
	16QAM	836.5	15	0	2.974	/	Pass
	64QAM	836.5	15	0	2.953	/	Pass
	256QAM	836.5	15	0	2.983	/	Pass
5	QPSK	836.5	25	0	5.111	/	Pass
	16QAM	836.5	25	0	5.102	/	Pass
	64QAM	836.5	25	0	5.124	/	Pass
	256QAM	836.5	25	0	5.115	/	Pass
10	QPSK	836.5	50	0	9.914	/	Pass
	16QAM	836.5	50	0	9.825	/	Pass
	64QAM	836.5	50	0	9.837	/	Pass
	256QAM	836.5	50	0	9.668	/	Pass

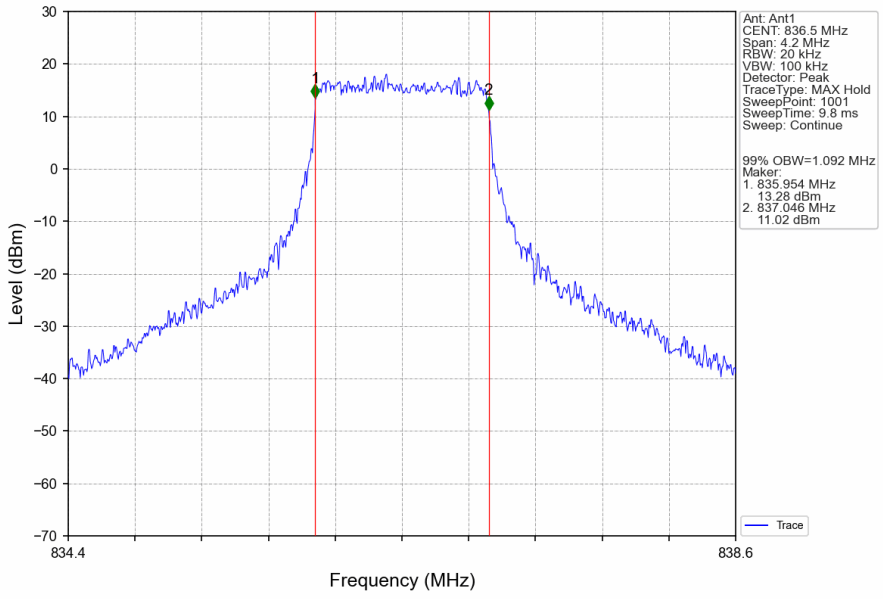
3.2 Test Graph

3.2.1 Band5_OBW

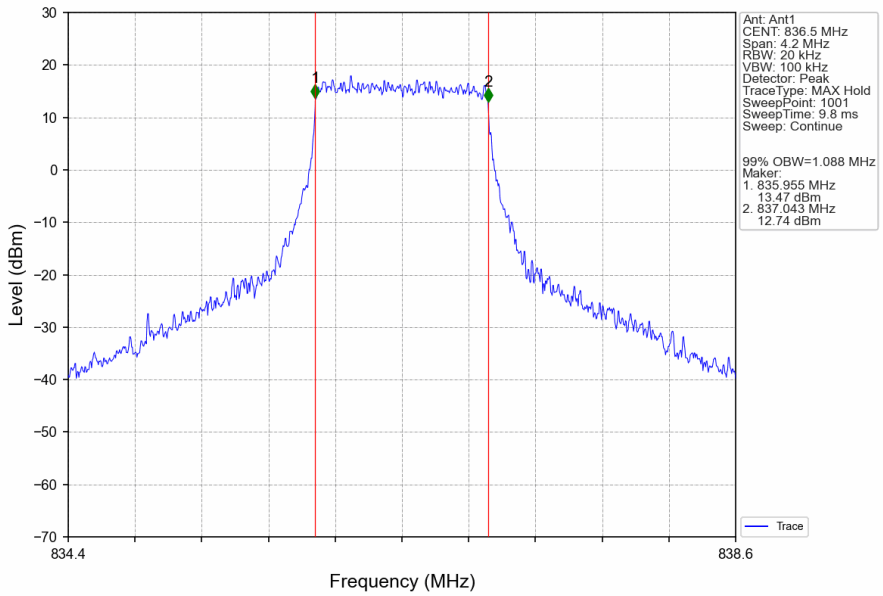
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



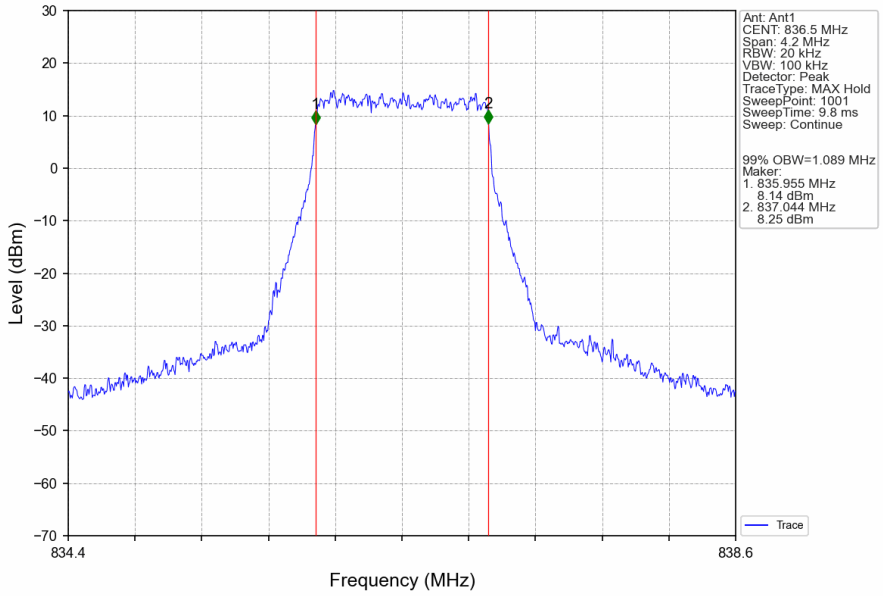
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



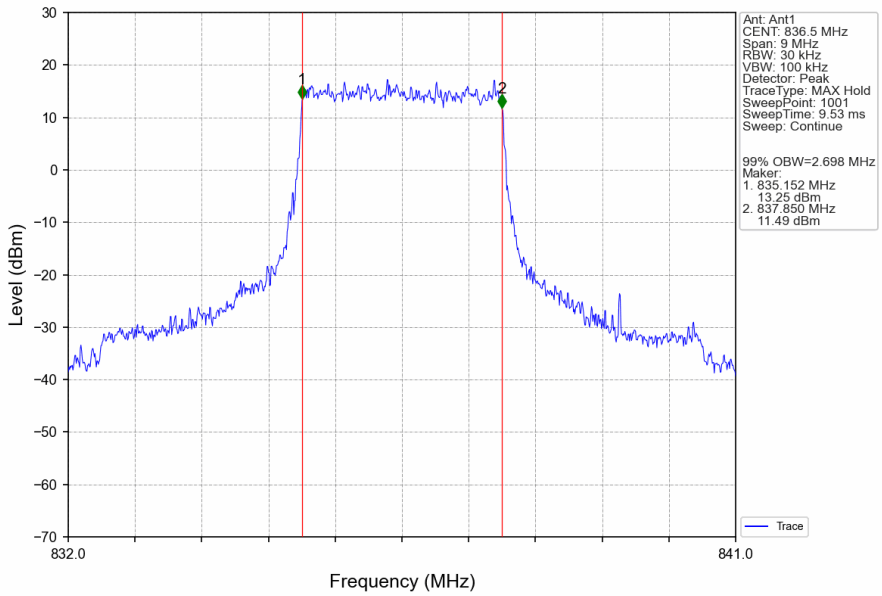
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



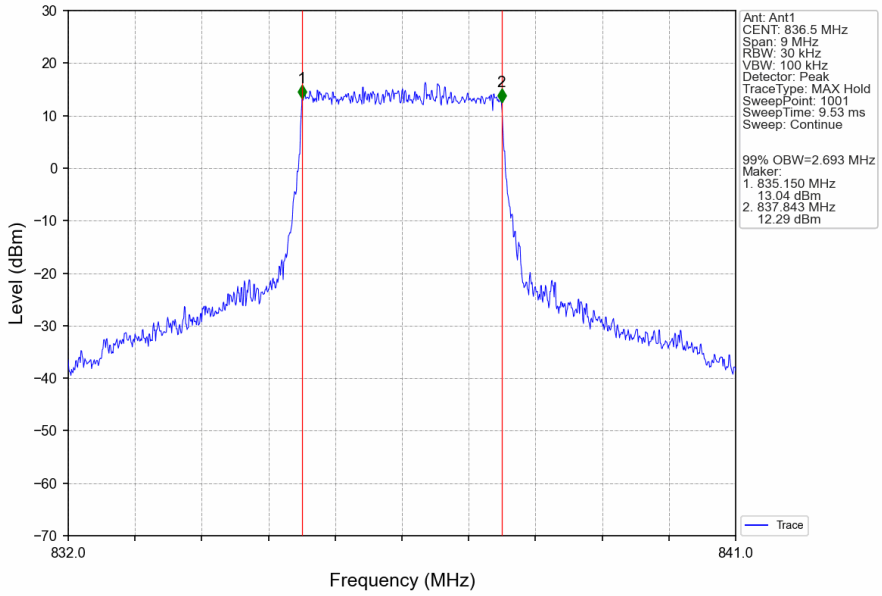
Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



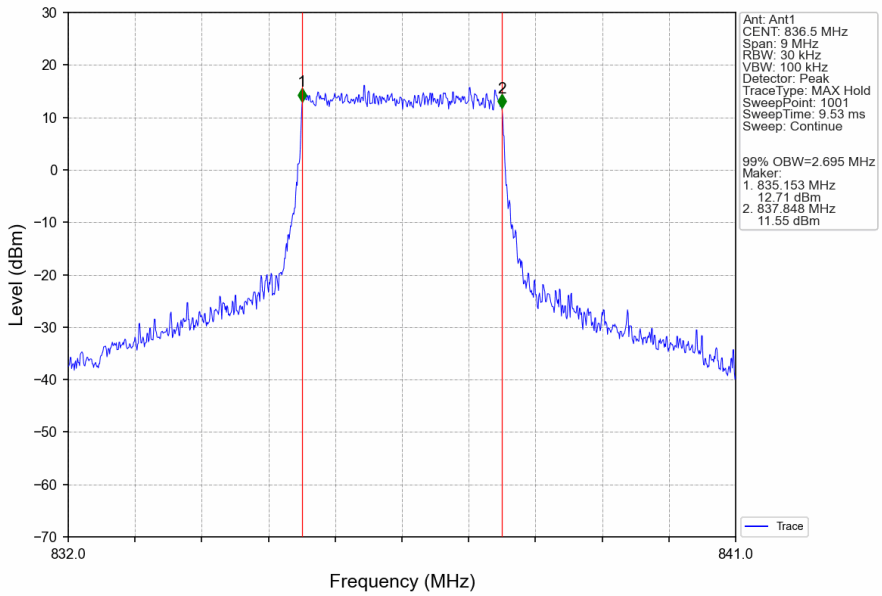
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



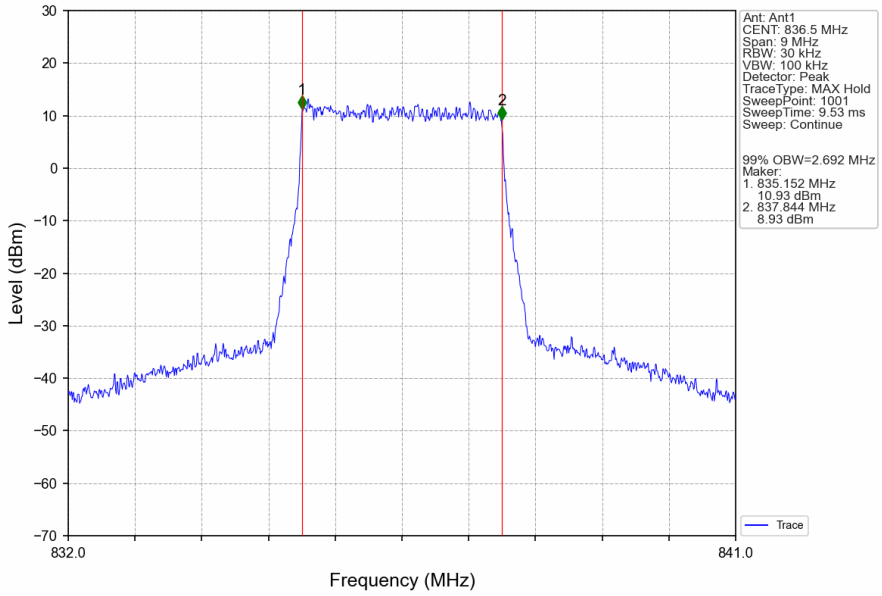
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



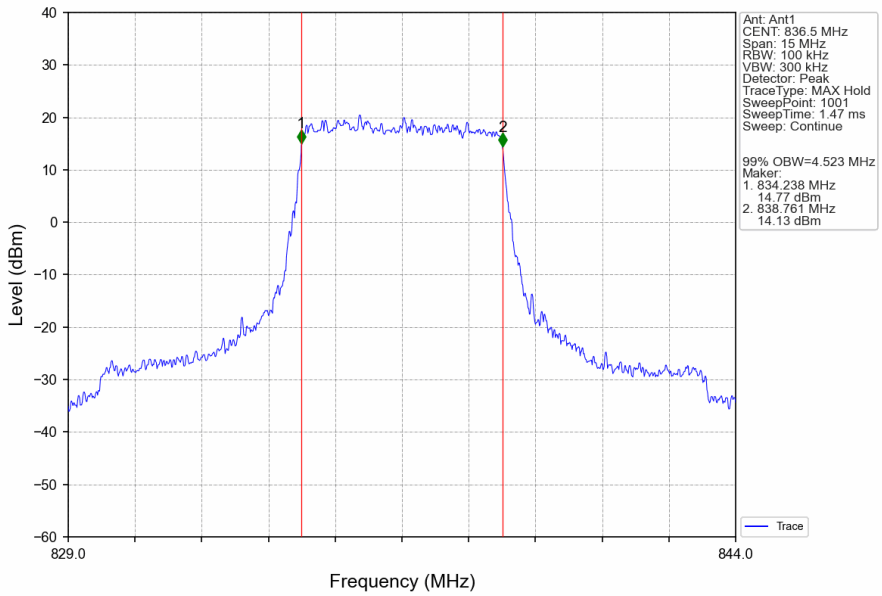
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



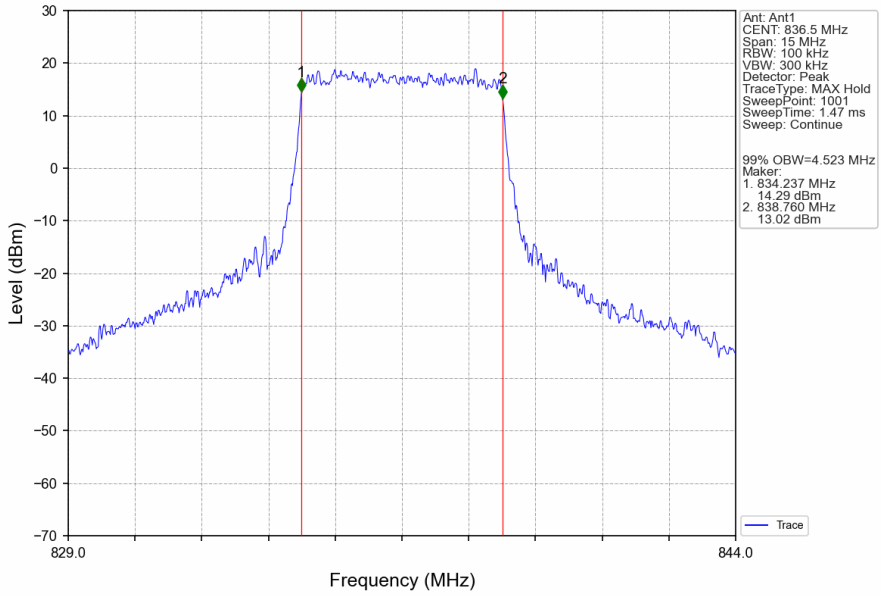
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



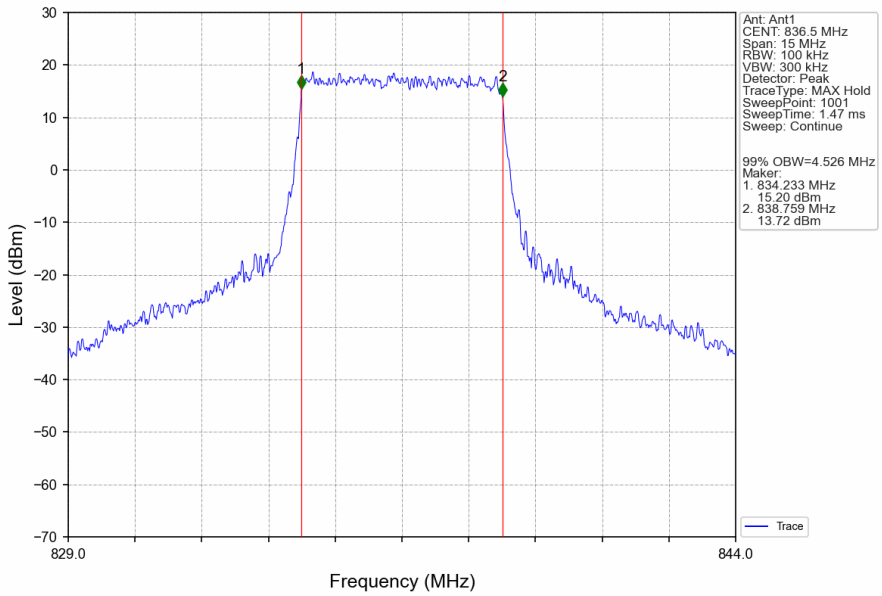
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



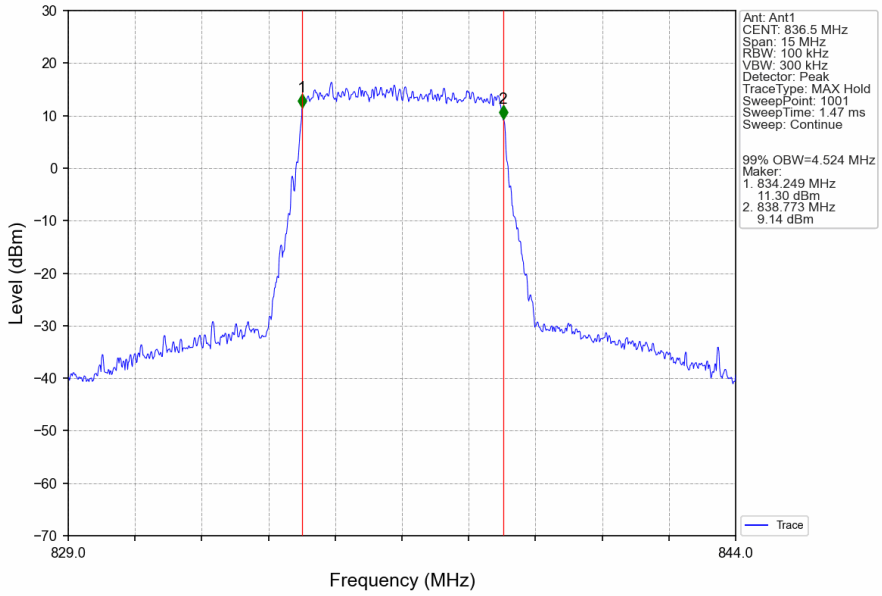
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



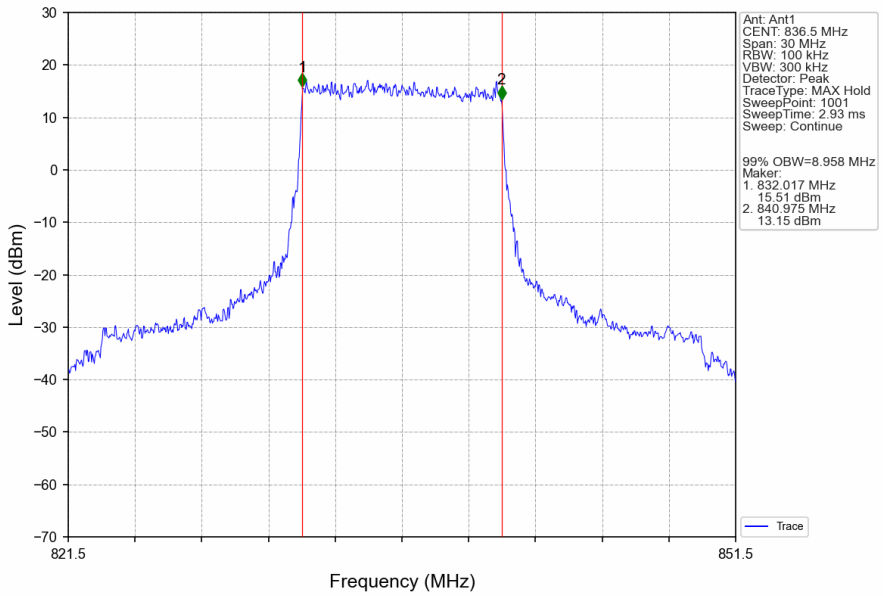
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



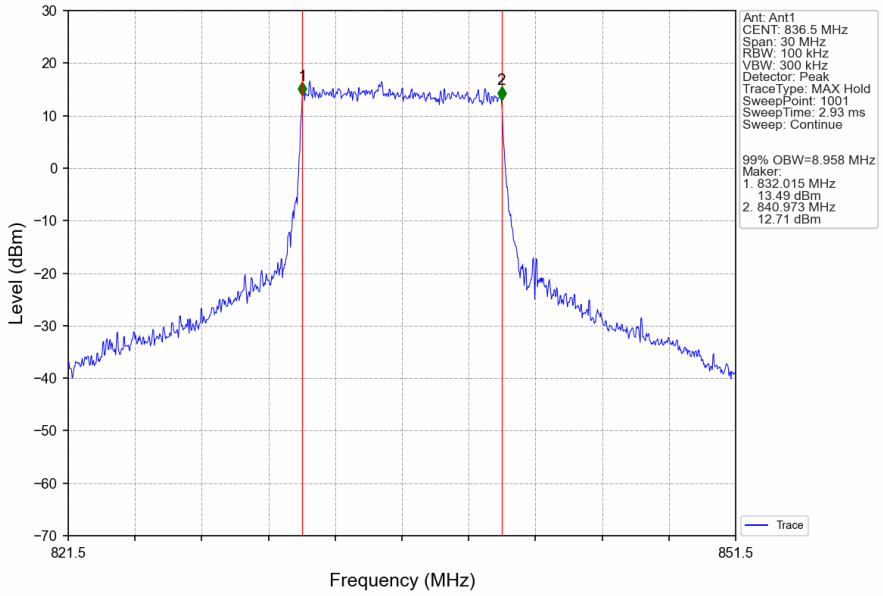
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



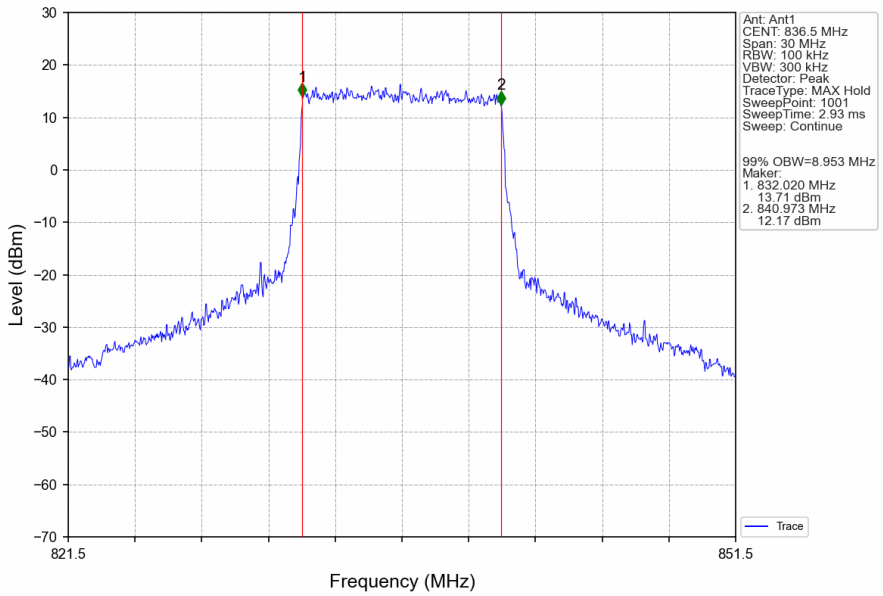
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



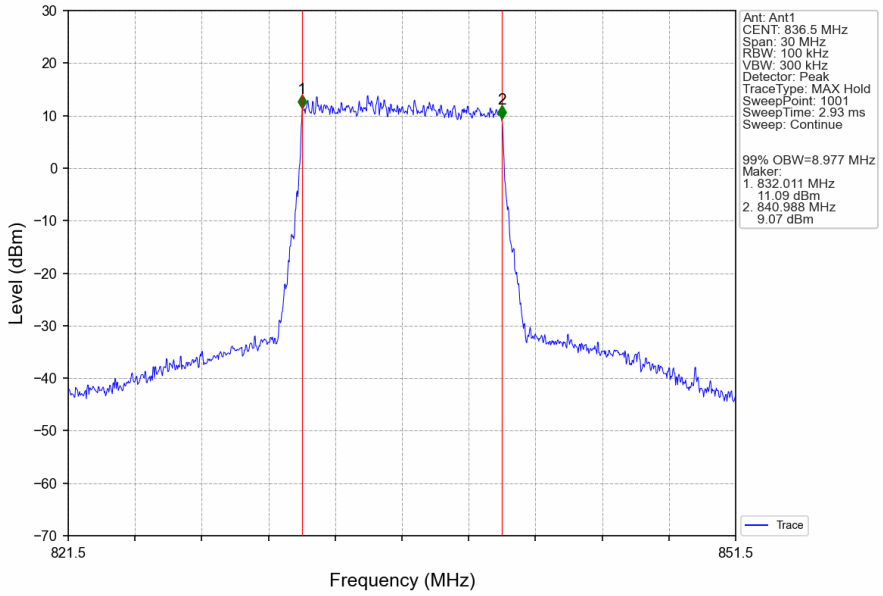
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV

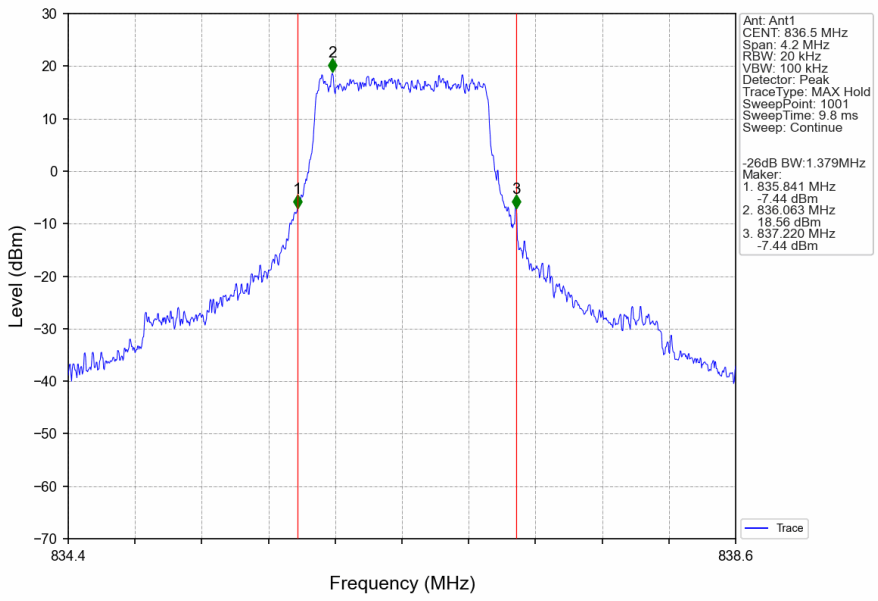


Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV

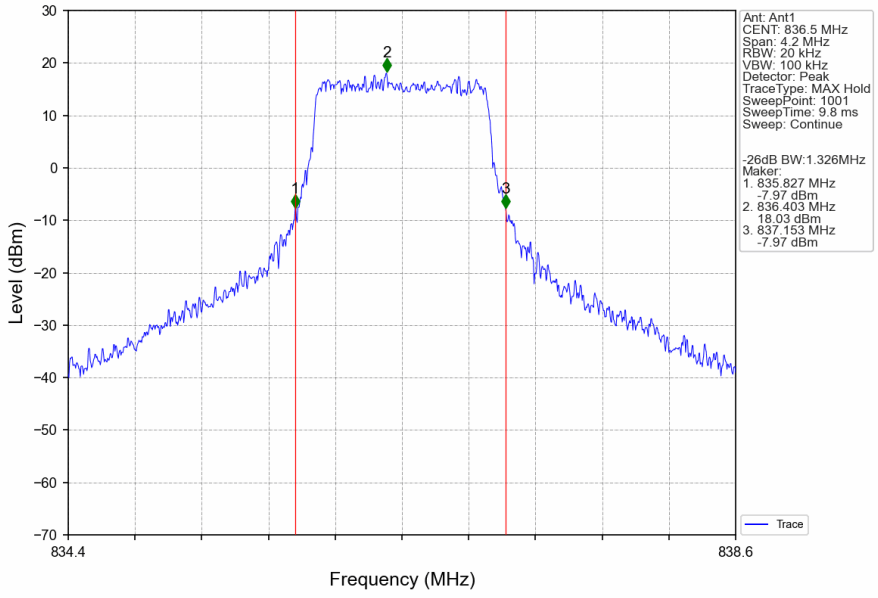


3.2.2 Band5_XDB

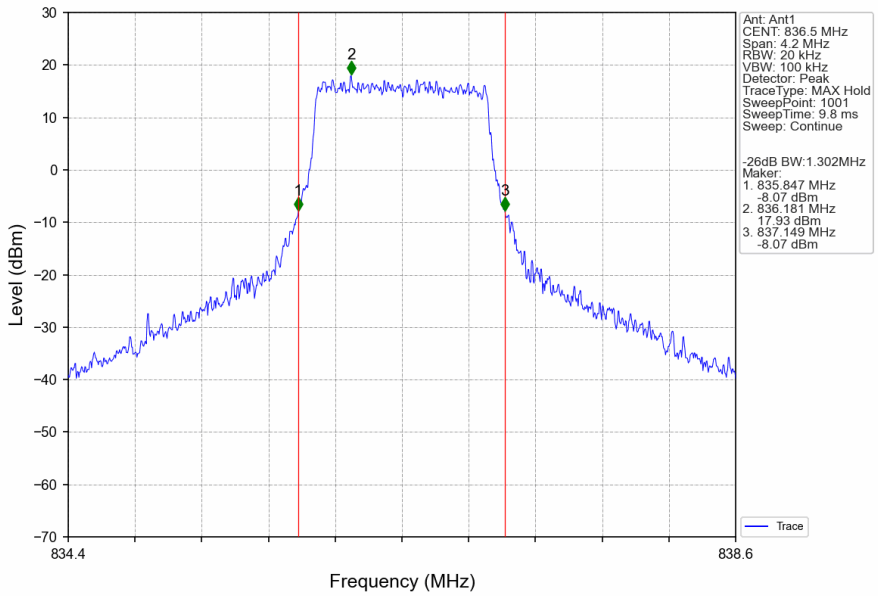
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



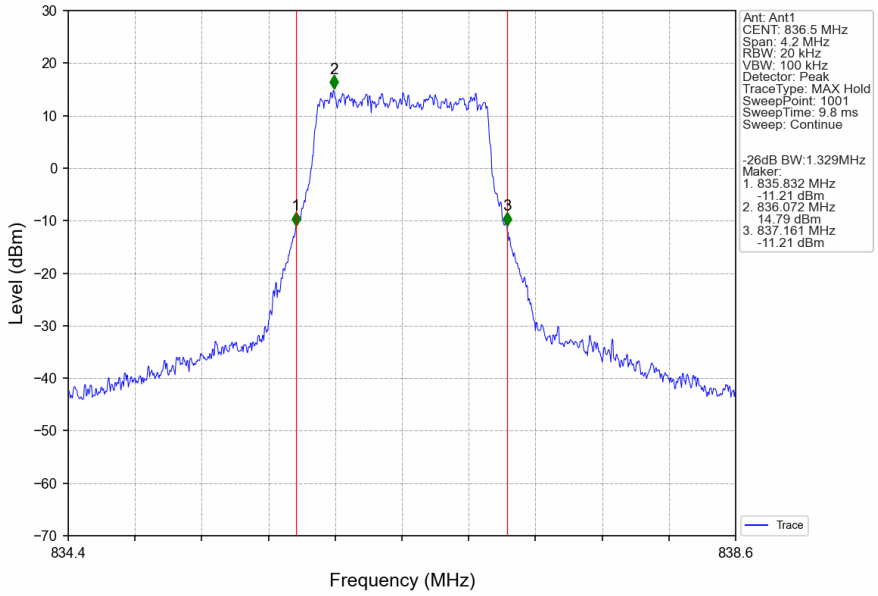
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



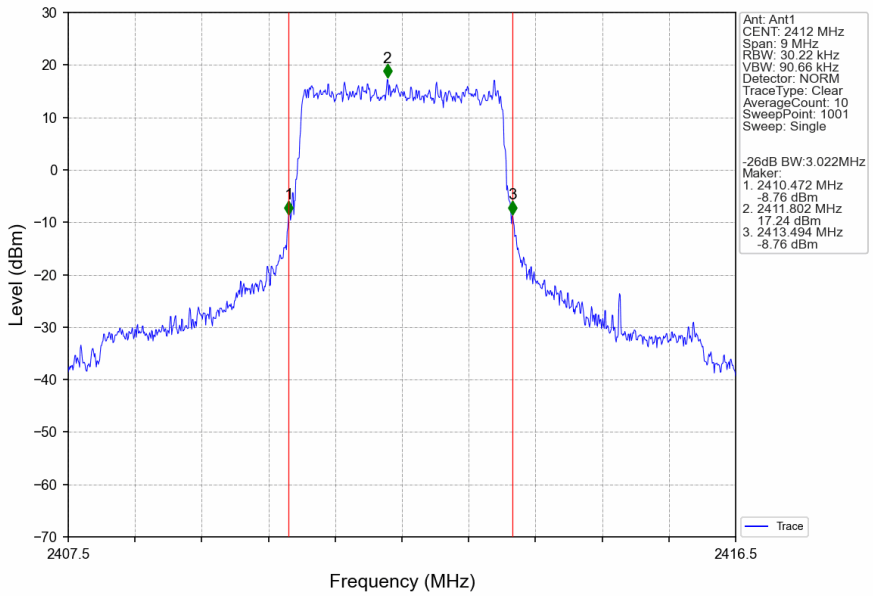
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



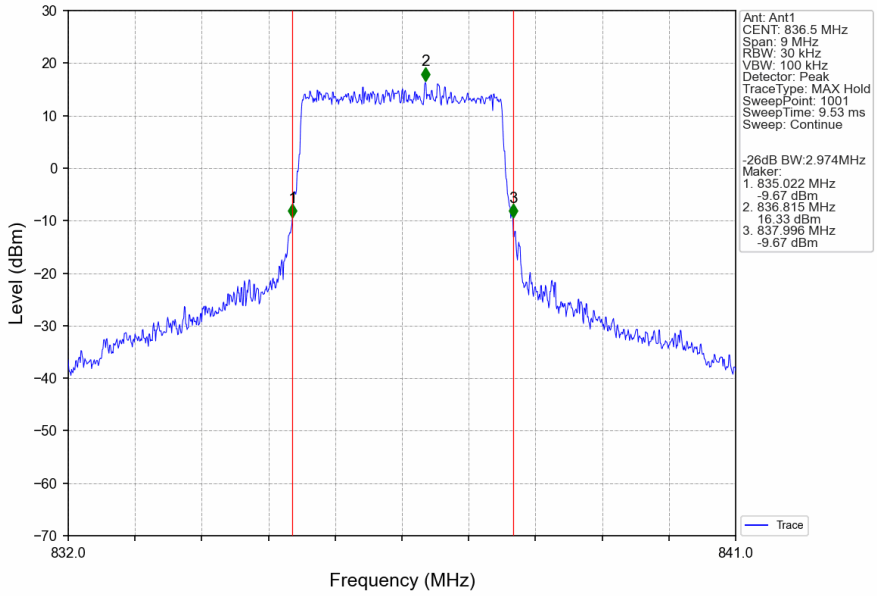
Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



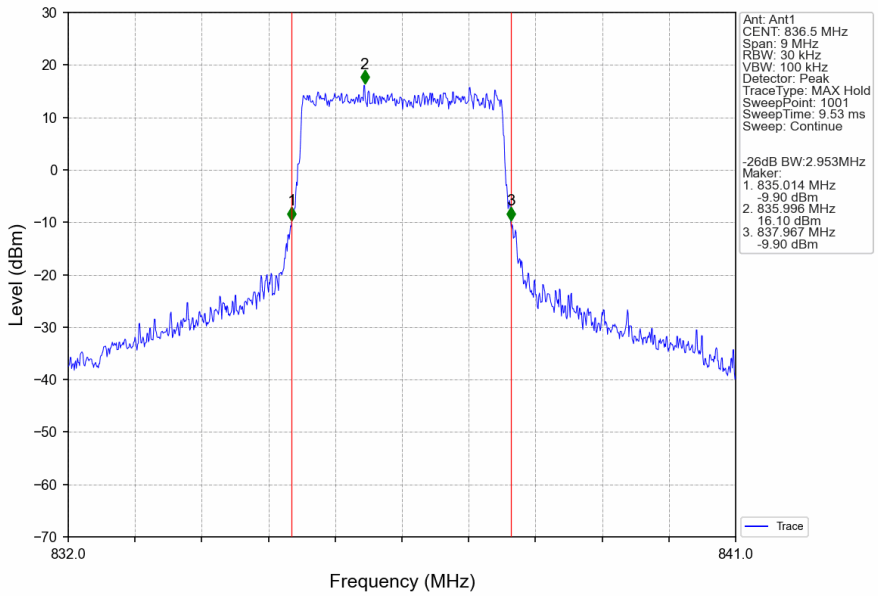
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



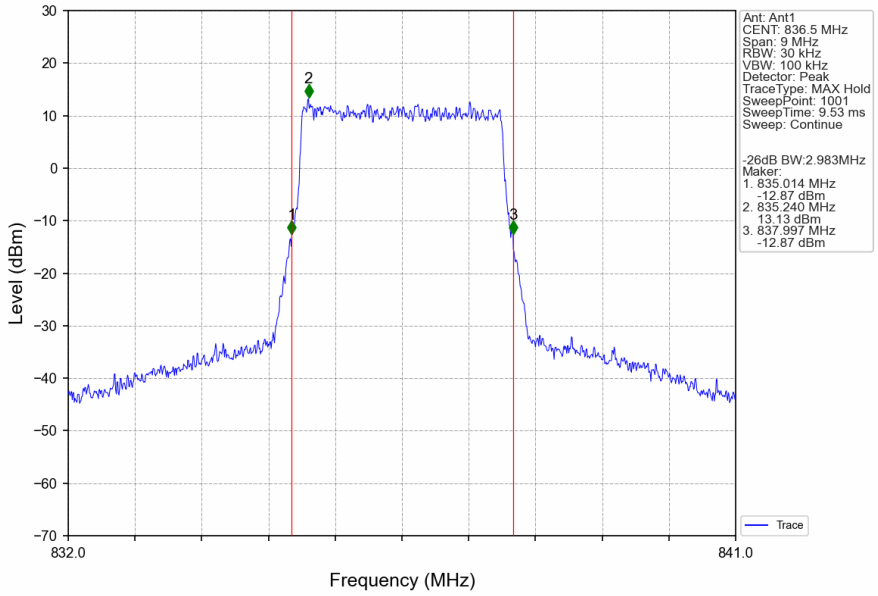
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



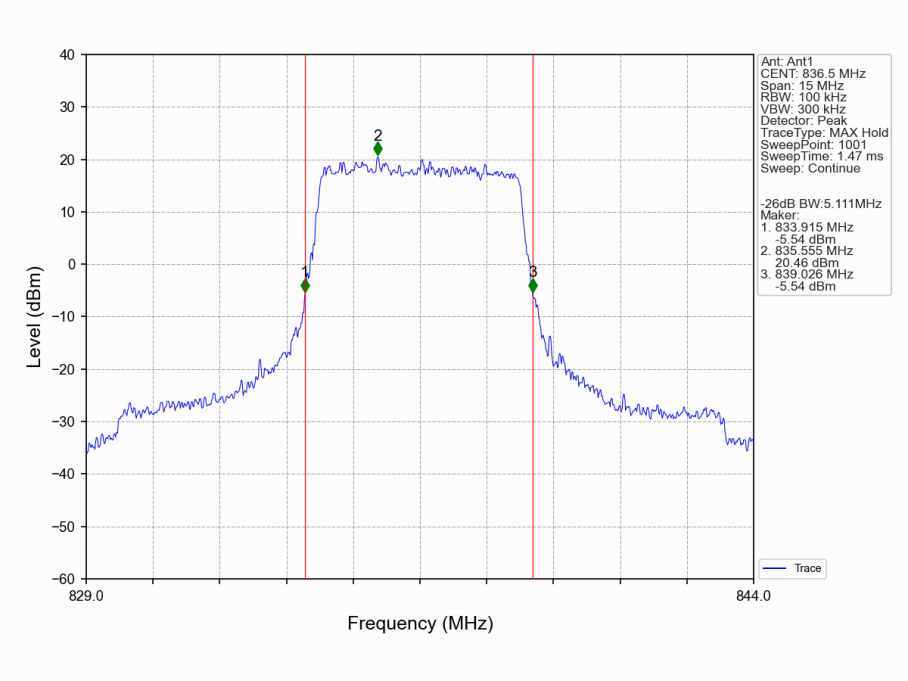
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



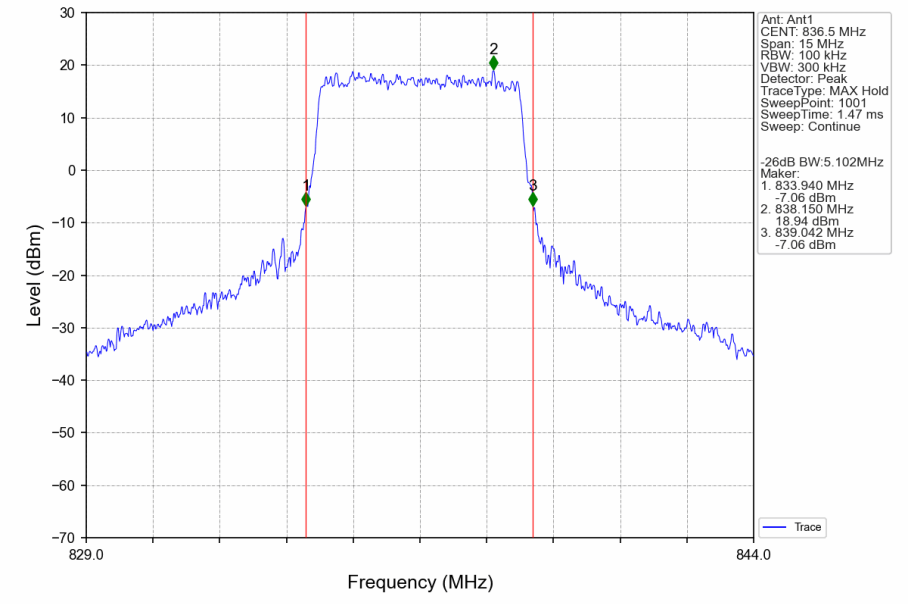
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



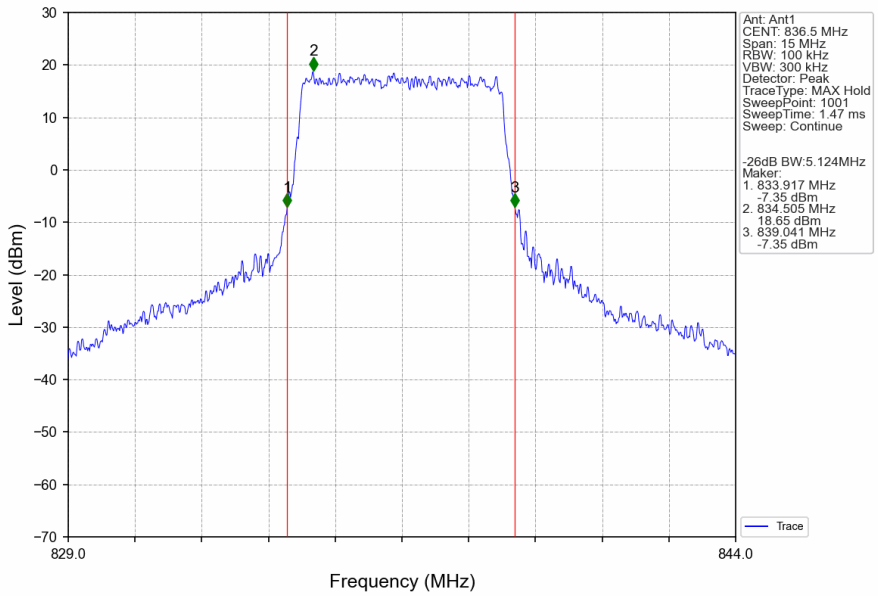
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



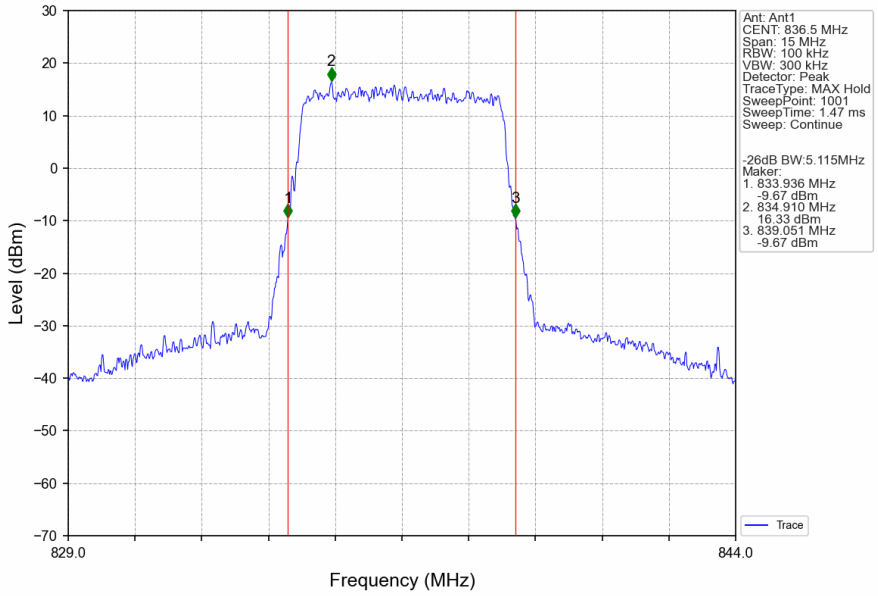
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



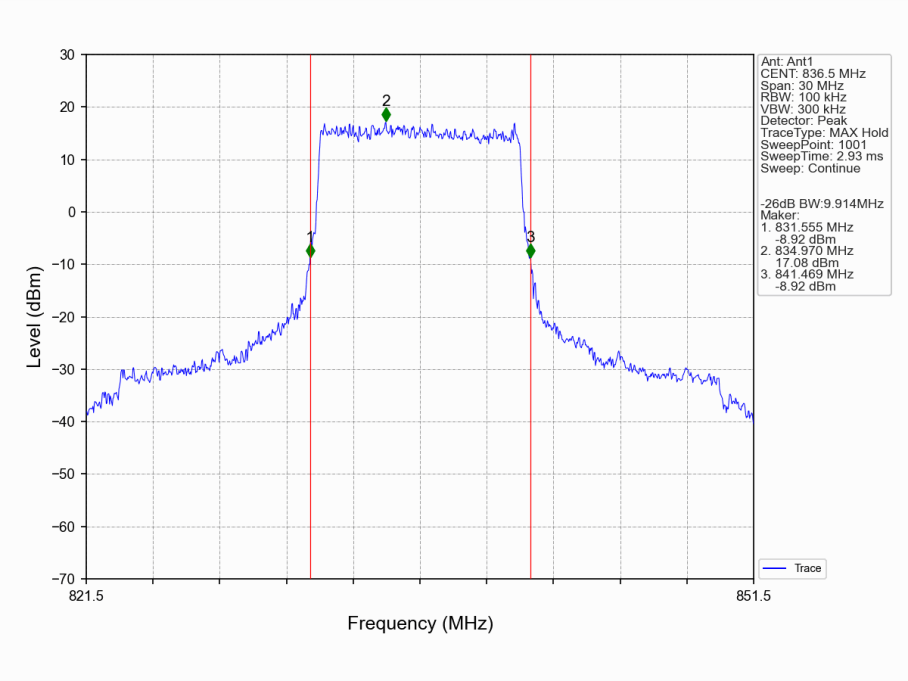
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



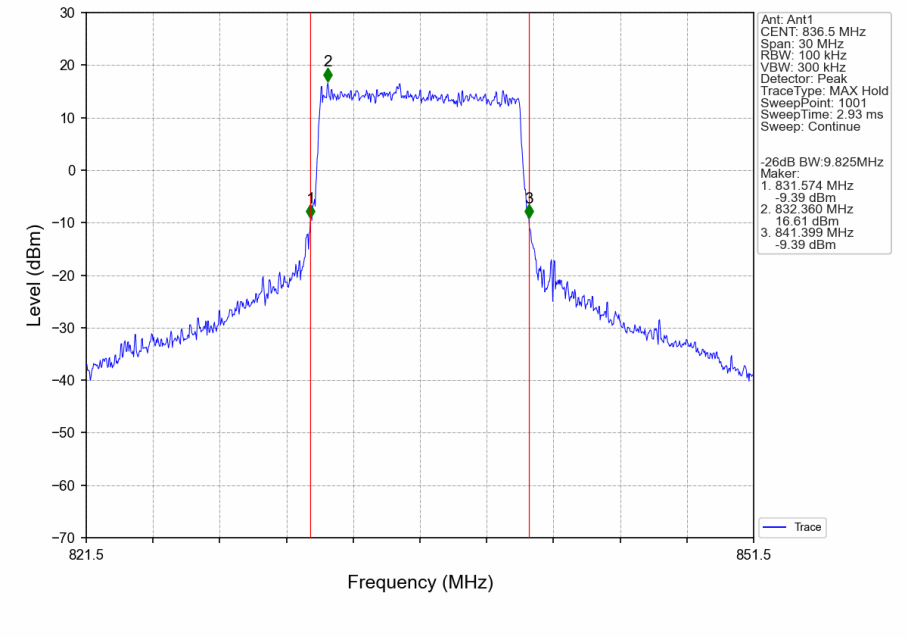
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



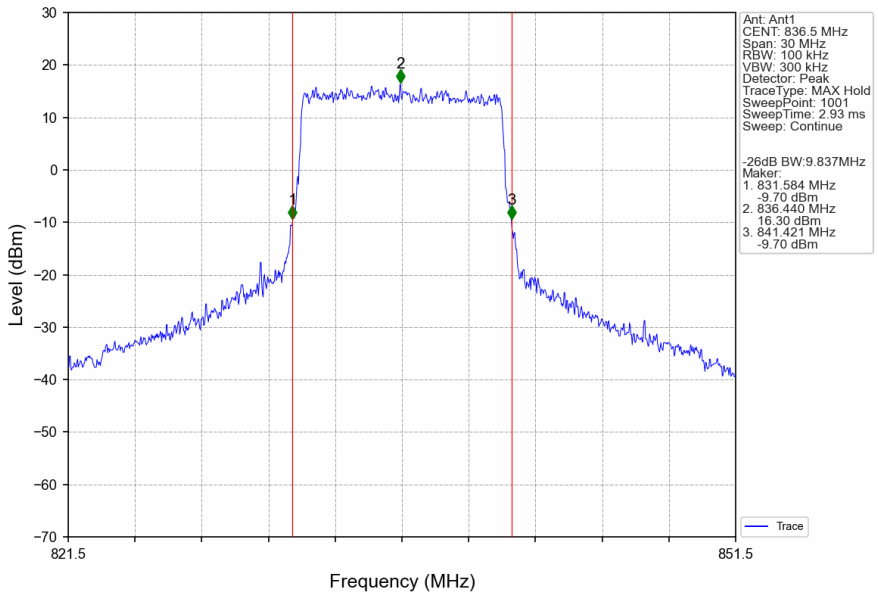
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



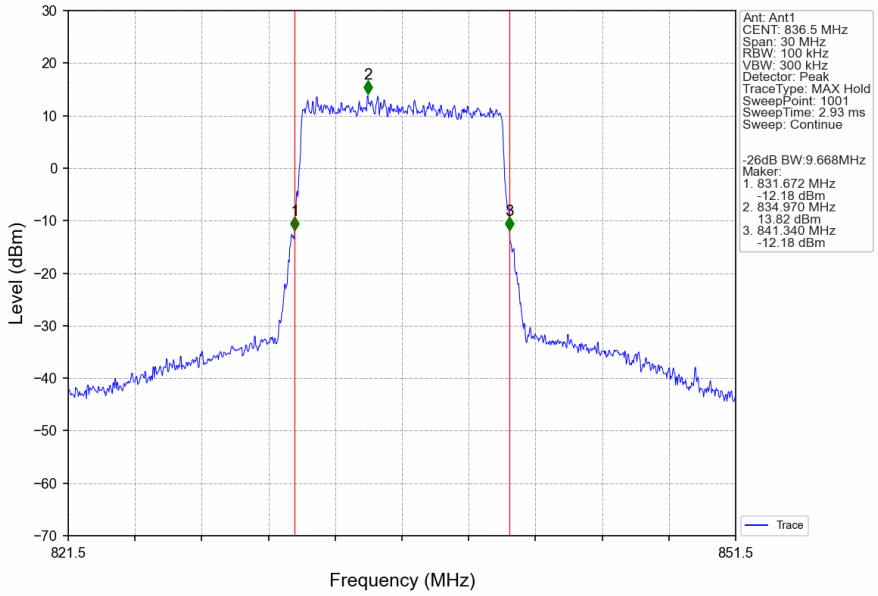
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

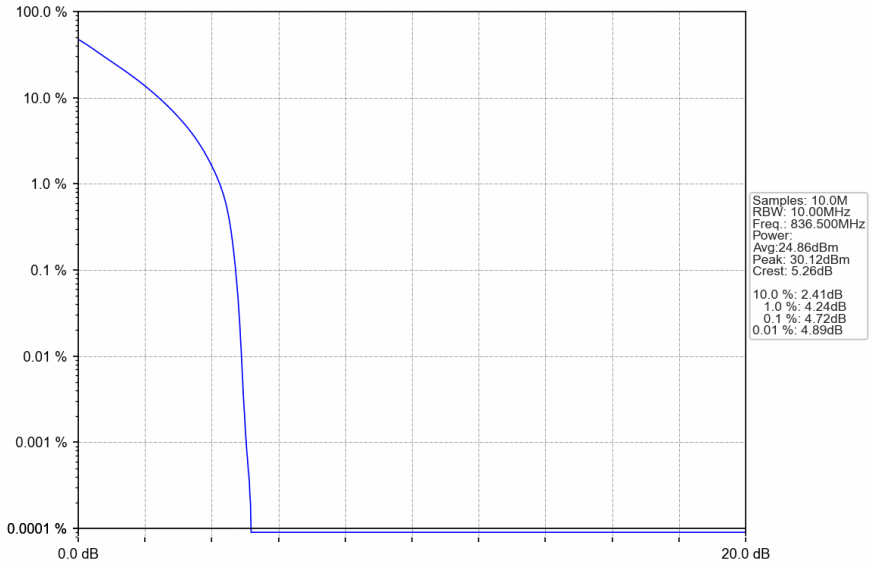
4.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.72	<=13	Pass
16QAM	836.5	50	0	5.68	<=13	Pass
64QAM	836.5	50	0	5.69	<=13	Pass
256QAM	836.5	50	0	6.66	<=13	Pass

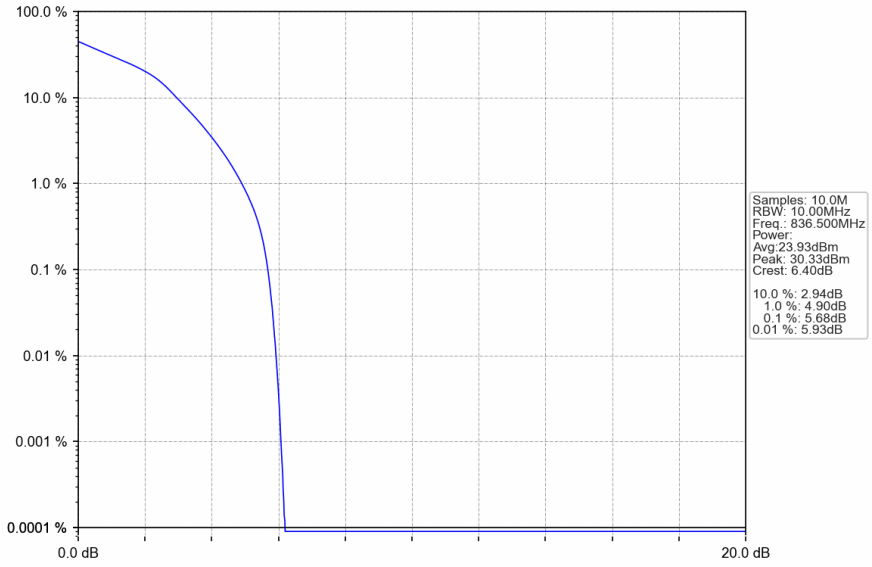
4.2 Test Graph

4.2.1 B5_10MHz

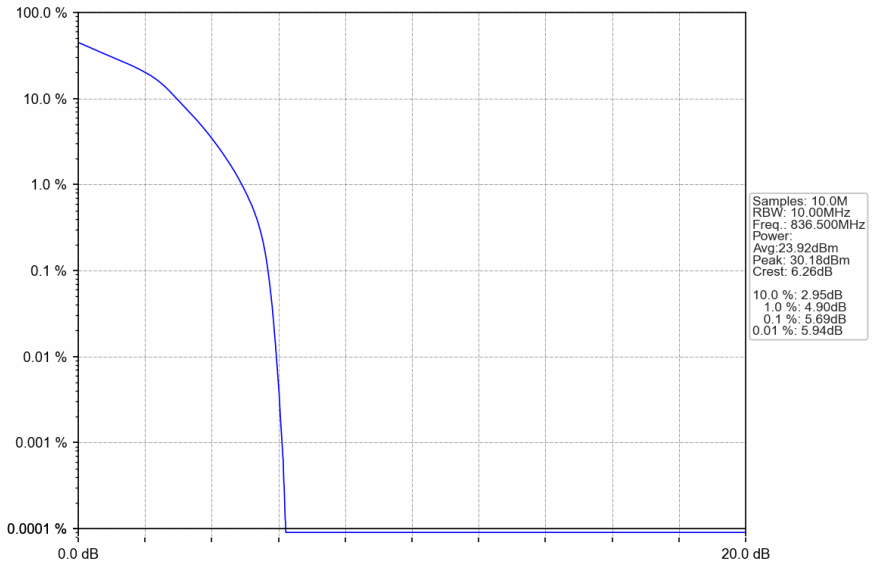
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



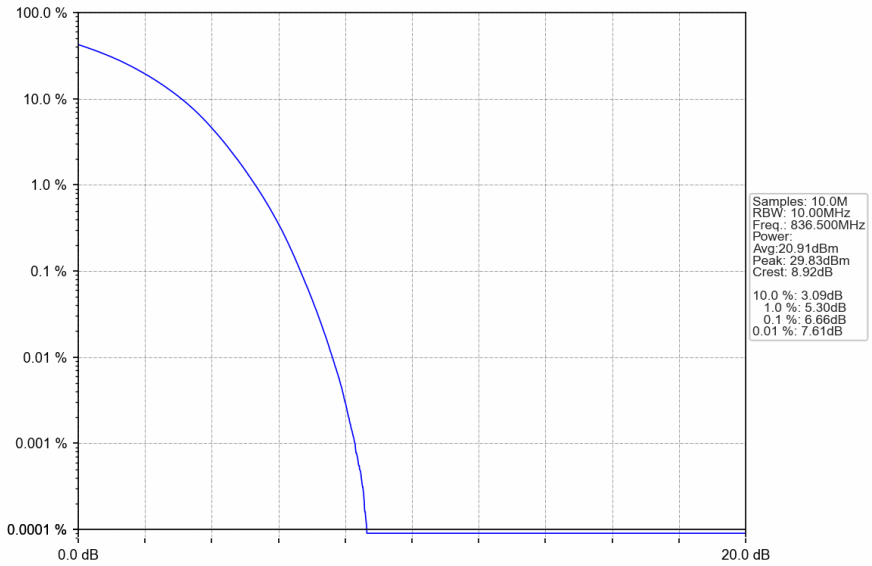
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



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

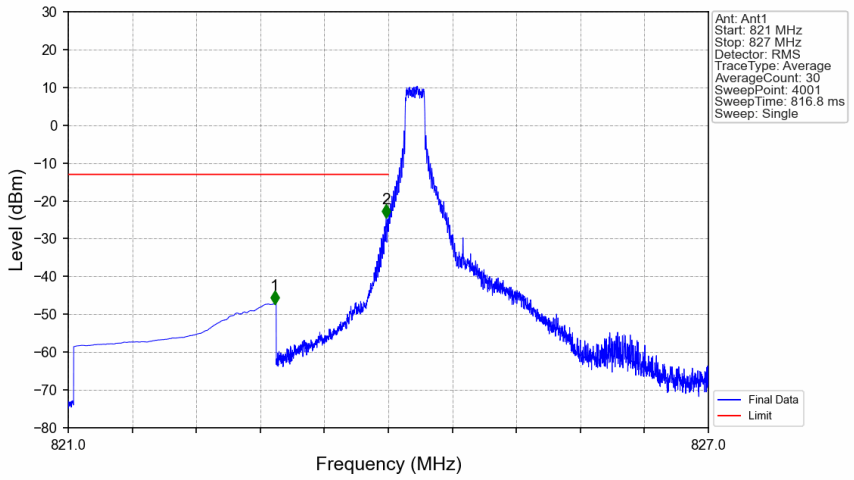
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass

			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

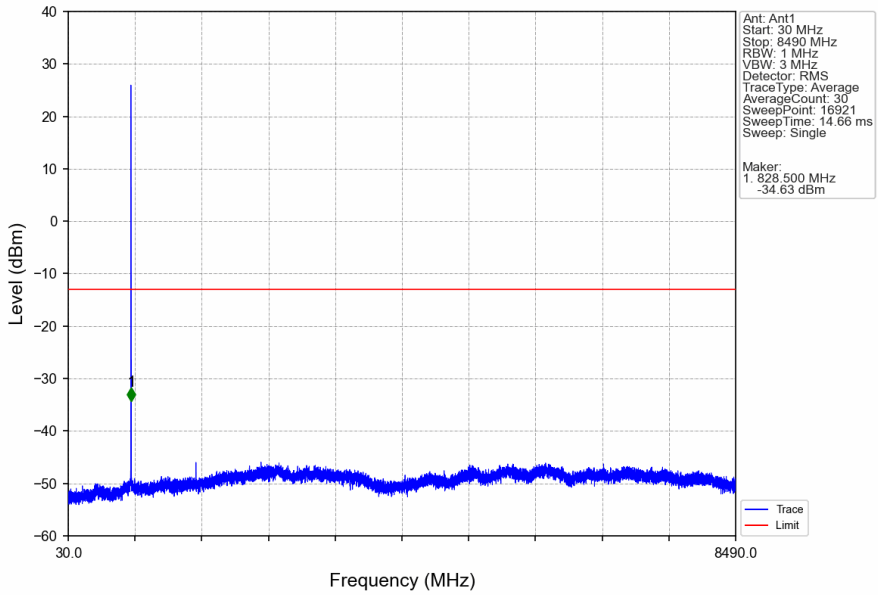
5.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

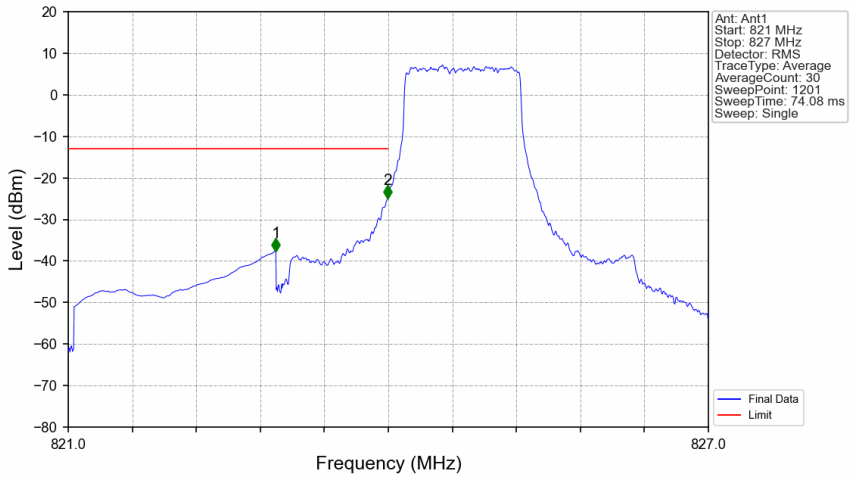


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.935	-47.21	-13	Pass
823	824	0.003	/	2	823.979	-24.43	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

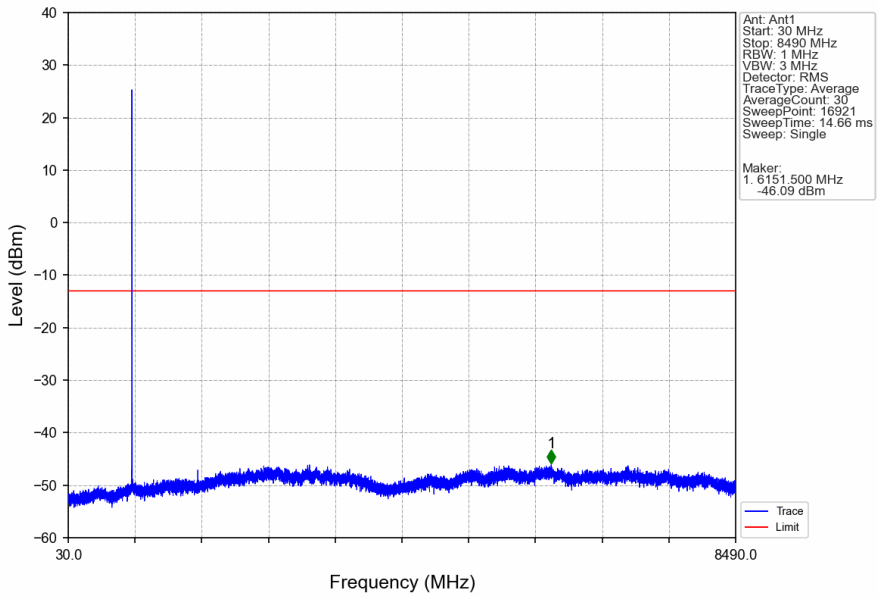


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

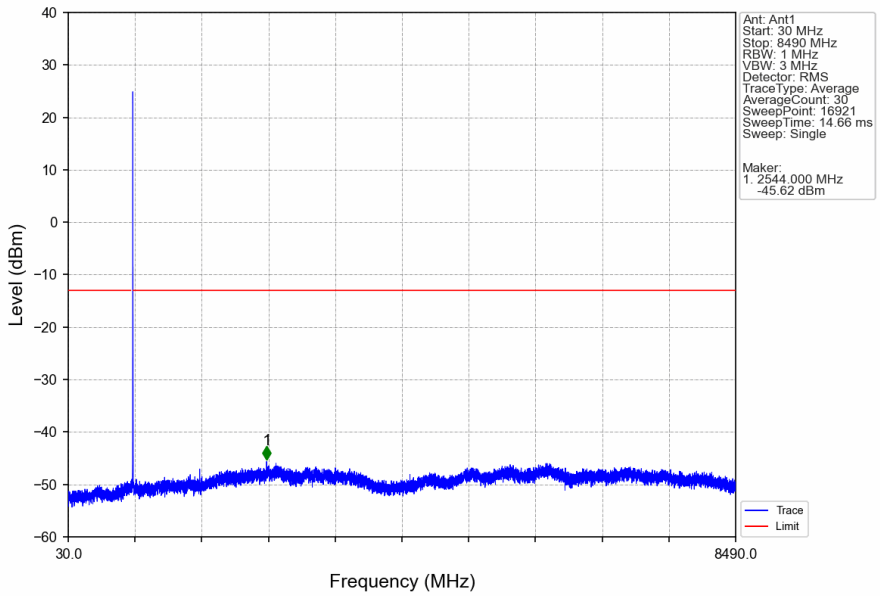


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.70	-13	Pass
823	824	0.014	CHP	2	823.995	-24.92	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

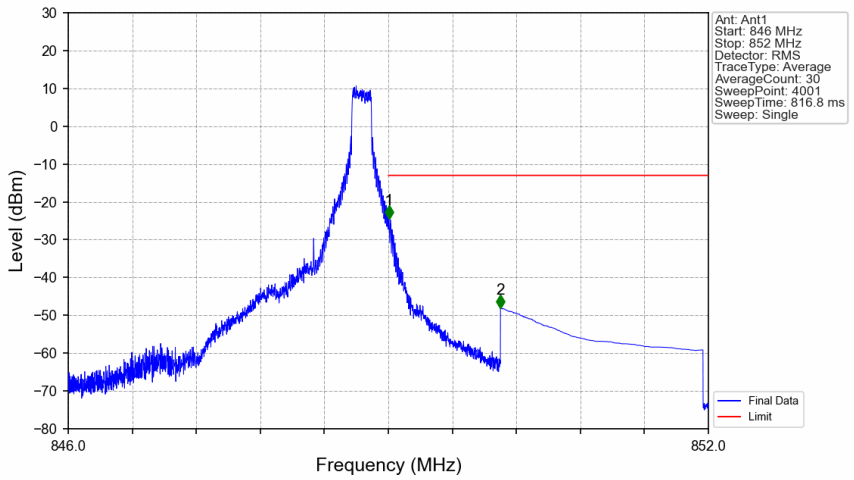
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

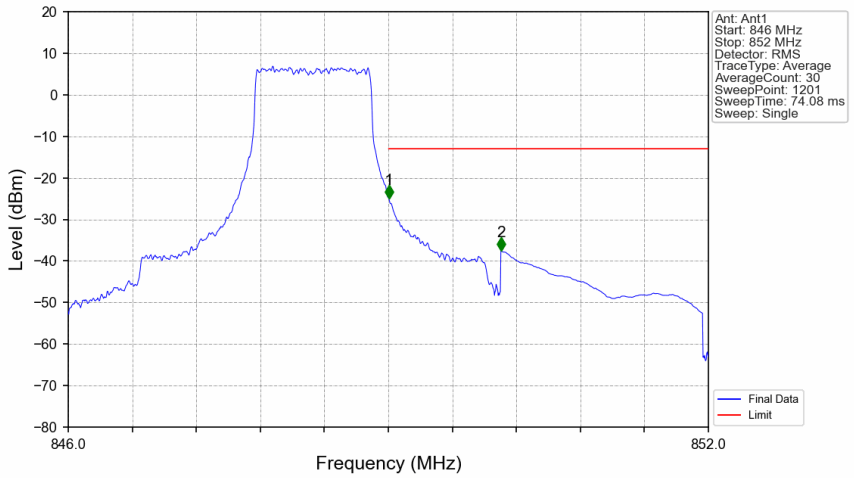


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



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	-24.40	-13	Pass
850	852	0.1	CHP	2	850.052	-48.07	-13	Pass

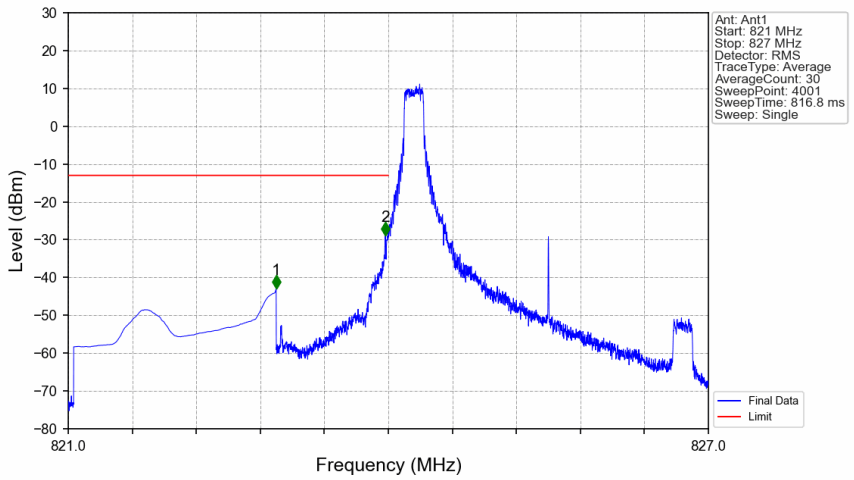
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



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	-25.02	-13	Pass
850	852	0.1	CHP	2	850.055	-37.44	-13	Pass

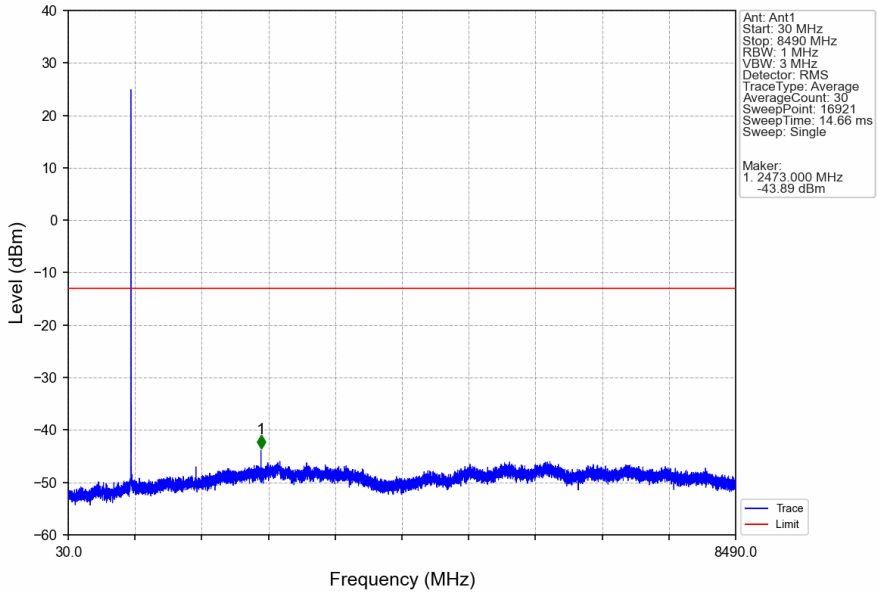
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

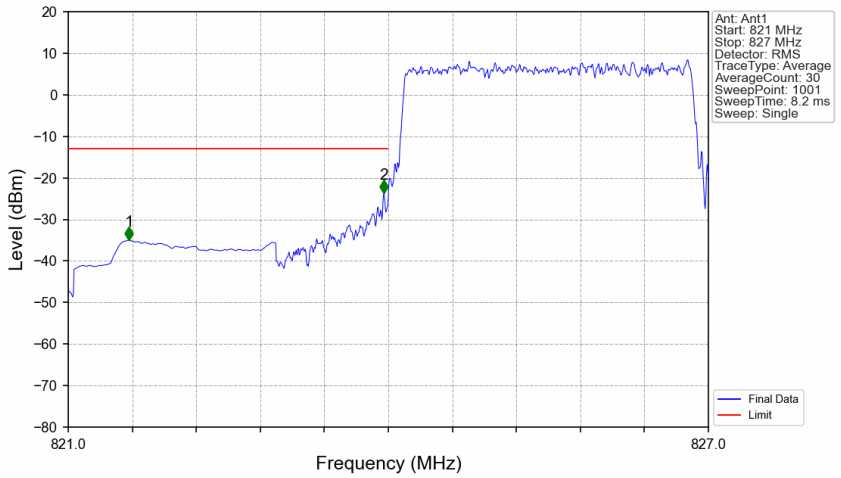


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-42.96	-13	Pass
823	824	0.003	/	2	823.971	-28.89	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

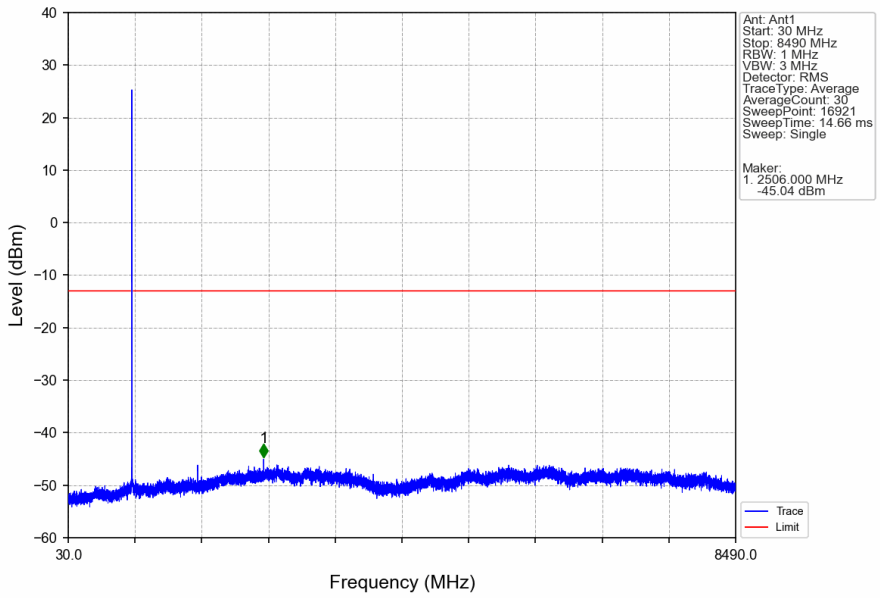


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

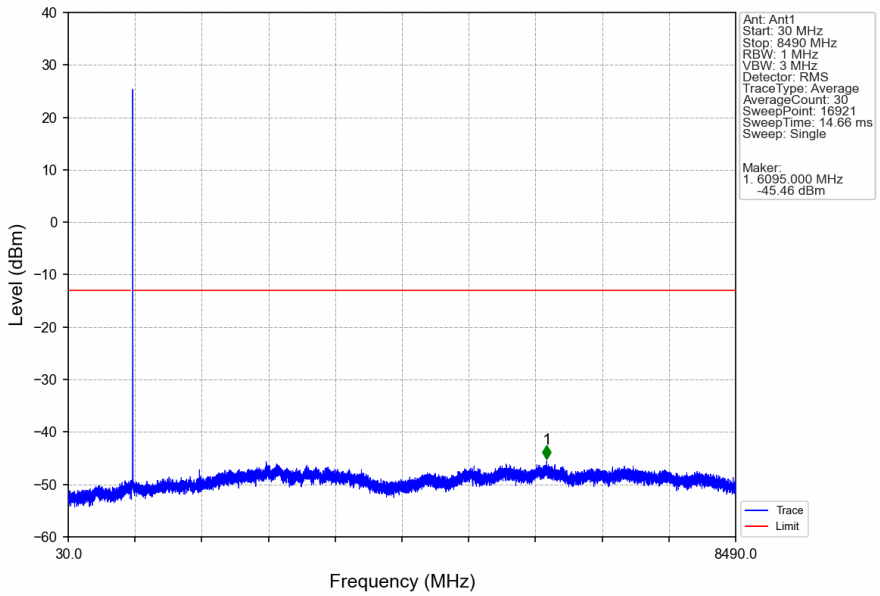


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.570	-35.02	-13	Pass
823	824	0.03	/	2	823.958	-23.66	-13	Pass
824	827	0.03	/	/	/	/	/	/

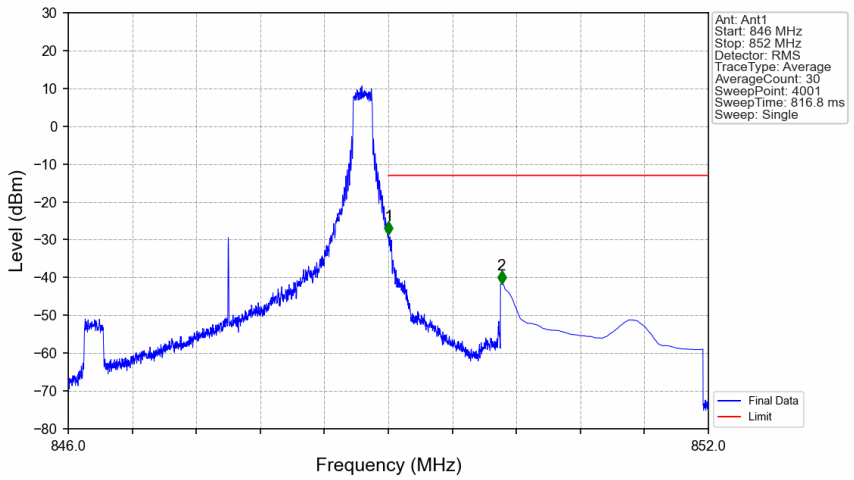
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

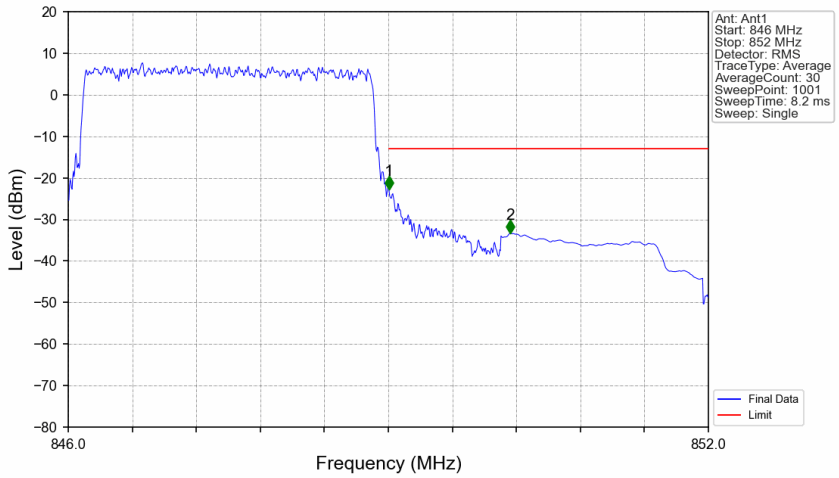


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	-28.61	-13	Pass
850	852	0.1	CHP	2	850.061	-41.74	-13	Pass

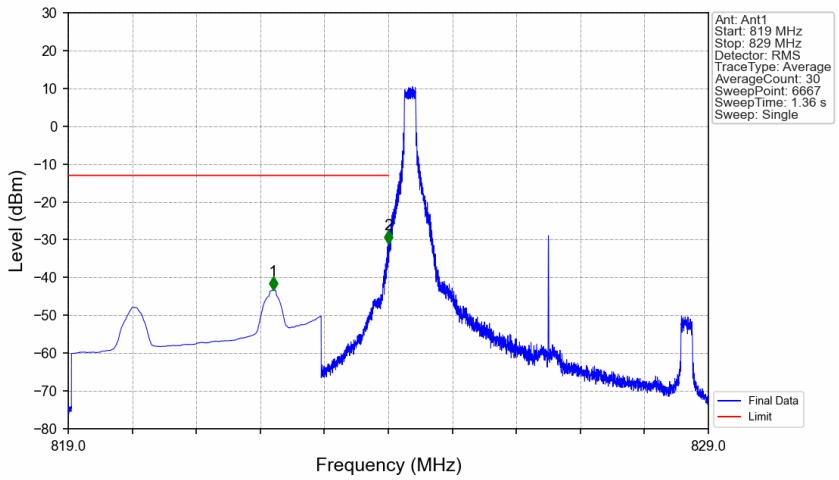
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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	-22.82	-13	Pass
850	852	0.1	CHP	2	850.140	-33.40	-13	Pass

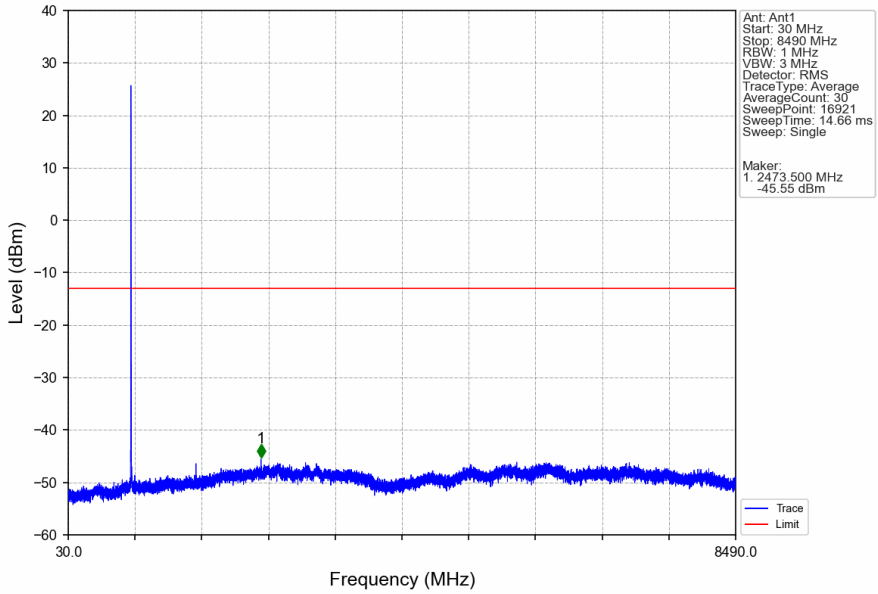
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

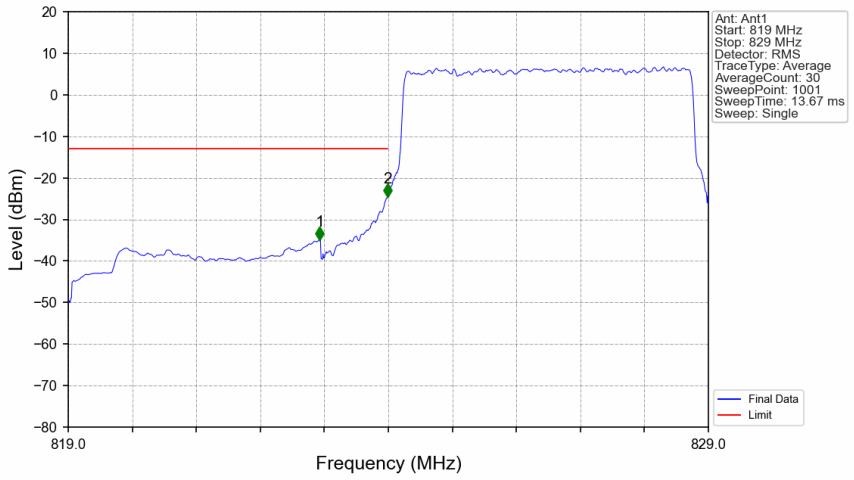


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.198	-43.34	-13	Pass
823	824	0.003	/	2	823.997	-31.09	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

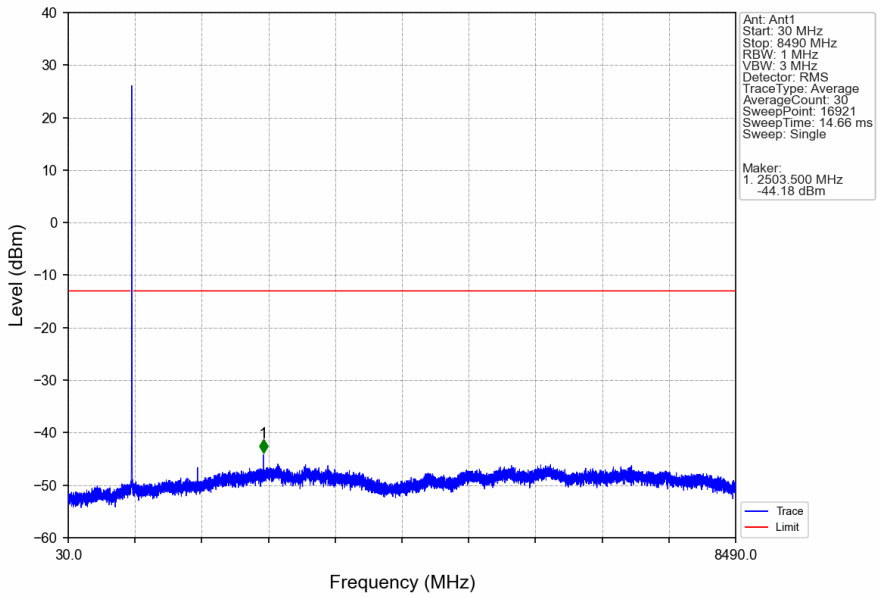


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

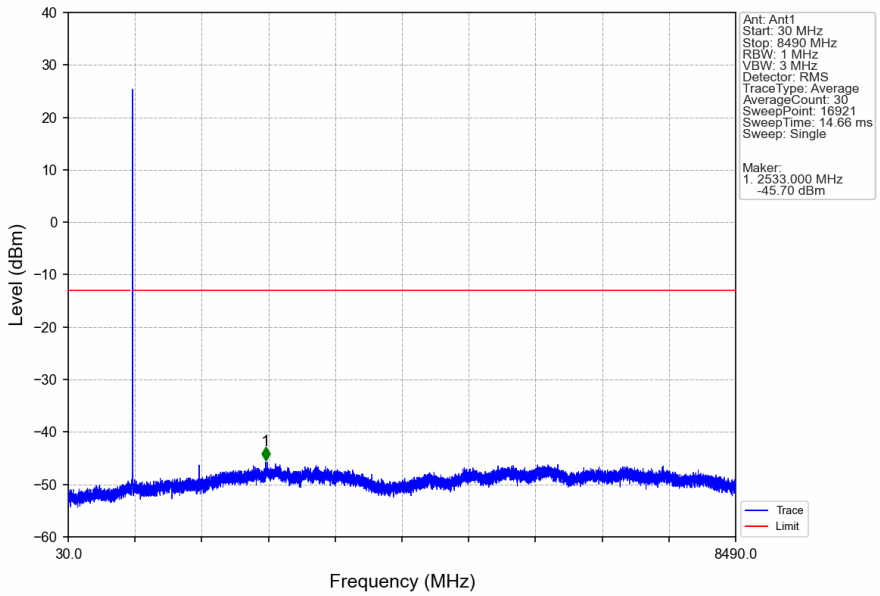


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.930	-35.03	-13	Pass
823	824	0.051	CHP	2	823.990	-24.62	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

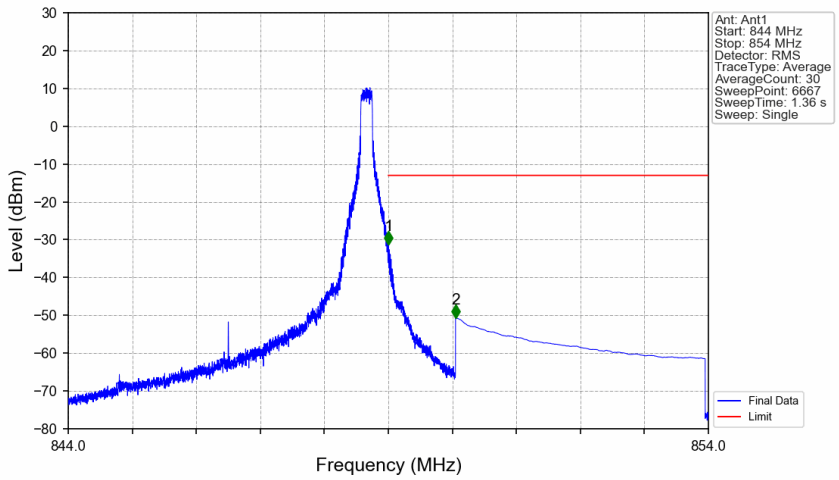
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

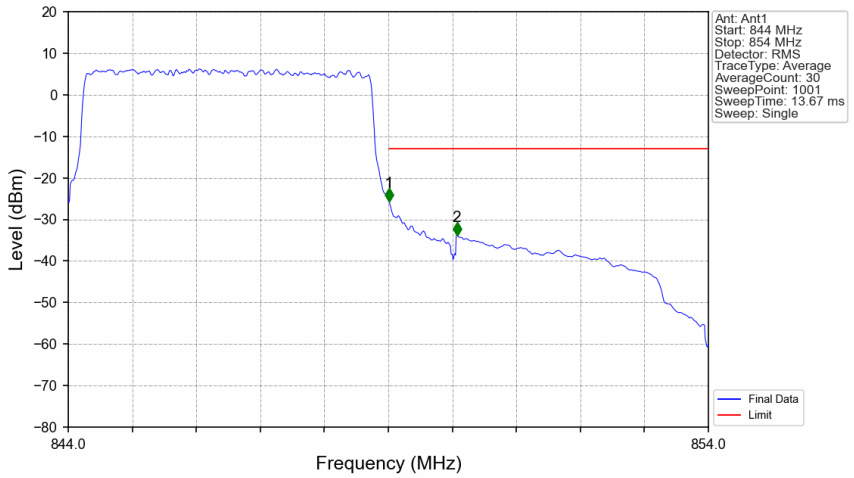


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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	849.003	-31.25	-13	Pass
850	854	0.1	CHP	2	850.050	-50.67	-13	Pass

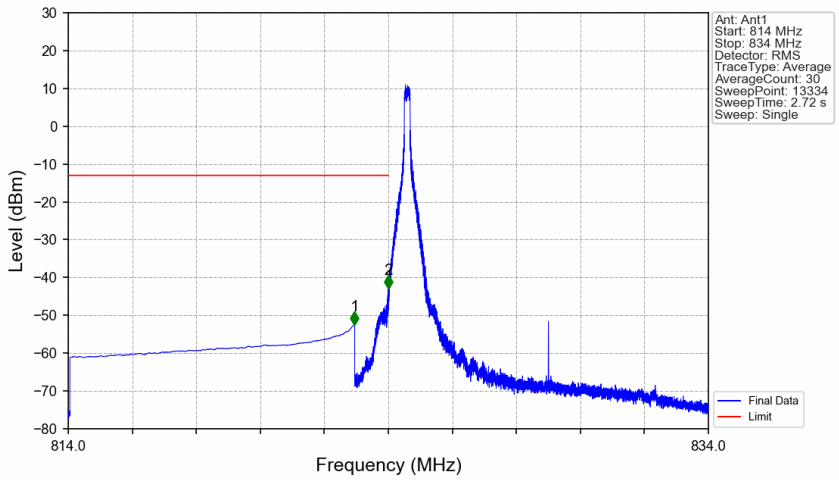
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



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	-25.67	-13	Pass
850	854	0.1	CHP	2	850.070	-33.80	-13	Pass

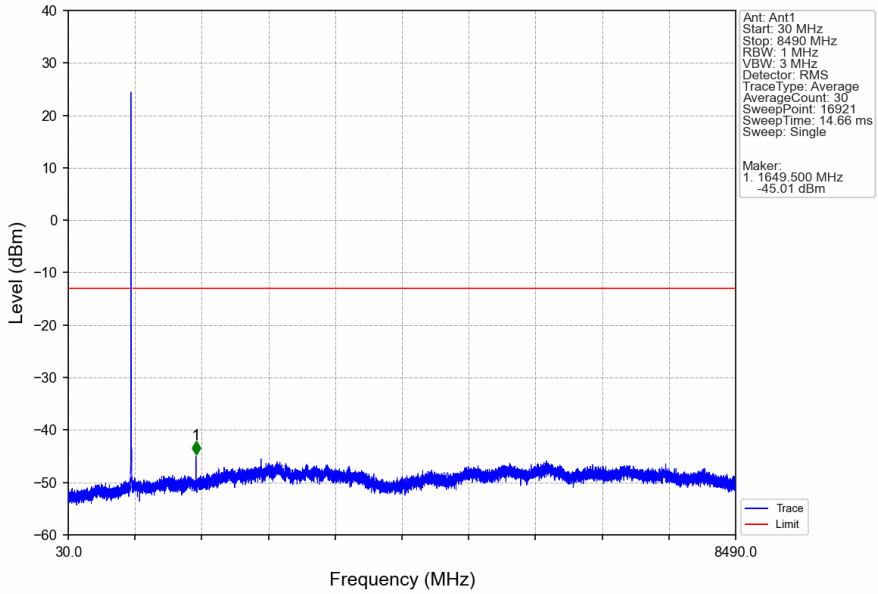
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

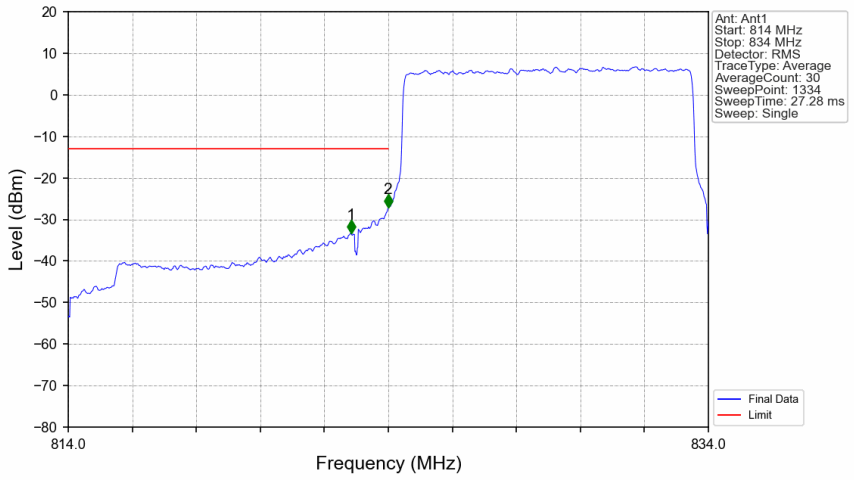


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.940	-52.58	-13	Pass
823	824	0.003	/	2	823.998	-42.97	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

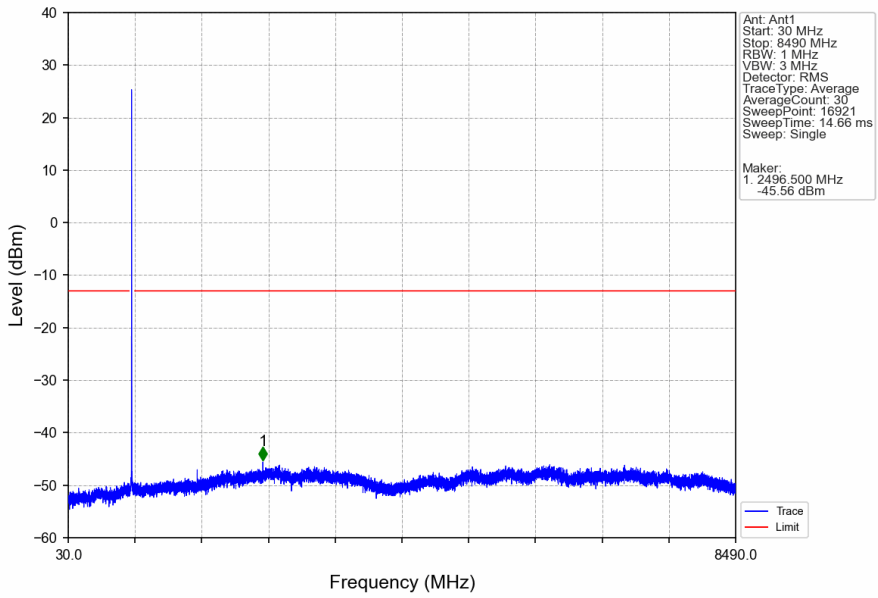


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

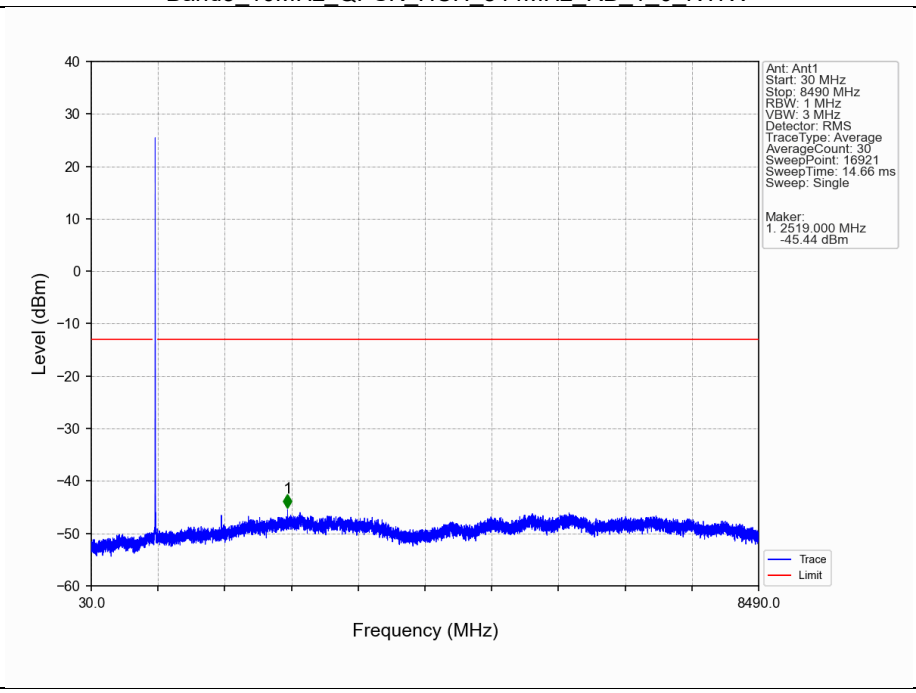


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.837	-33.33	-13	Pass
823	824	0.099	CHP	2	823.992	-27.11	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

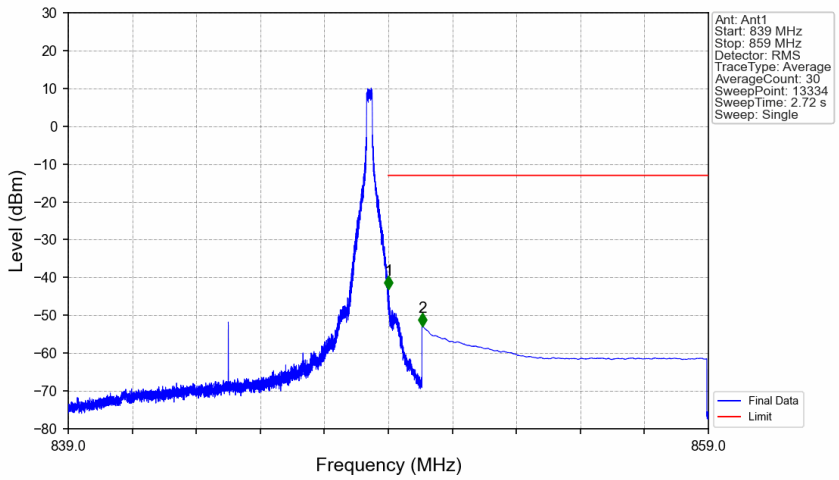
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

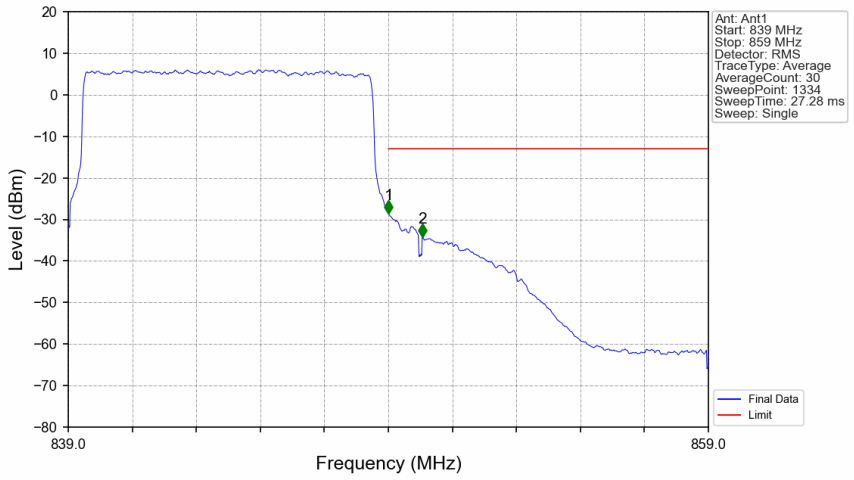


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.004	-43.12	-13	Pass
850	859	0.1	CHP	2	850.058	-52.89	-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	-28.53	-13	Pass
850	859	0.1	CHP	2	850.058	-34.28	-13	Pass

---End of Attachment---