

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	24.15	-3.10	18.90	<=38.45	Pass
			2	24.17	-3.10	18.92	<=38.45	Pass
			5	24.13	-3.10	18.88	<=38.45	Pass
		3	0	24.16	-3.10	18.91	<=38.45	Pass
			2	24.11	-3.10	18.86	<=38.45	Pass
			3	24.11	-3.10	18.86	<=38.45	Pass
		6	0	23.13	-3.10	17.88	<=38.45	Pass
	836.5	1	0	24.23	-3.10	18.98	<=38.45	Pass
			2	24.16	-3.10	18.91	<=38.45	Pass
			5	24.18	-3.10	18.93	<=38.45	Pass
		3	0	24.15	-3.10	18.90	<=38.45	Pass
			2	24.19	-3.10	18.94	<=38.45	Pass
			3	24.21	-3.10	18.96	<=38.45	Pass
		6	0	23.17	-3.10	17.92	<=38.45	Pass
	848.3	1	0	24.12	-3.10	18.87	<=38.45	Pass
			2	24.14	-3.10	18.89	<=38.45	Pass
			5	24.14	-3.10	18.89	<=38.45	Pass
		3	0	24.11	-3.10	18.86	<=38.45	Pass
			2	24.13	-3.10	18.88	<=38.45	Pass
			3	24.12	-3.10	18.87	<=38.45	Pass
		6	0	23.18	-3.10	17.93	<=38.45	Pass
16QAM	824.7	1	0	23.44	-3.10	18.19	<=38.45	Pass
			2	23.37	-3.10	18.12	<=38.45	Pass
			5	23.42	-3.10	18.17	<=38.45	Pass
		3	0	23.17	-3.10	17.92	<=38.45	Pass
			2	23.13	-3.10	17.88	<=38.45	Pass
			3	23.15	-3.10	17.90	<=38.45	Pass
		6	0	22.17	-3.10	16.92	<=38.45	Pass
	836.5	1	0	23.53	-3.10	18.28	<=38.45	Pass
			2	23.53	-3.10	18.28	<=38.45	Pass
			5	23.55	-3.10	18.30	<=38.45	Pass
		3	0	23.16	-3.10	17.91	<=38.45	Pass
			2	23.18	-3.10	17.93	<=38.45	Pass
			3	23.17	-3.10	17.92	<=38.45	Pass
		6	0	22.22	-3.10	16.97	<=38.45	Pass
	848.3	1	0	23.45	-3.10	18.20	<=38.45	Pass
			2	23.33	-3.10	18.08	<=38.45	Pass
			5	23.41	-3.10	18.16	<=38.45	Pass
		3	0	23.09	-3.10	17.84	<=38.45	Pass
			2	23.25	-3.10	18.00	<=38.45	Pass
			3	23.12	-3.10	17.87	<=38.45	Pass
		6	0	22.24	-3.10	16.99	<=38.45	Pass
64QAM	824.7	1	0	22.30	-3.10	17.05	<=38.45	Pass
			2	22.36	-3.10	17.11	<=38.45	Pass
			5	22.27	-3.10	17.02	<=38.45	Pass
		3	0	22.27	-3.10	17.02	<=38.45	Pass
			2	22.21	-3.10	16.96	<=38.45	Pass
			3	22.26	-3.10	17.01	<=38.45	Pass
		6	0	21.11	-3.10	15.86	<=38.45	Pass

	836.5	1	0	22.50	-3.10	17.25	<=38.45	Pass
			2	22.38	-3.10	17.13	<=38.45	Pass
			5	22.30	-3.10	17.05	<=38.45	Pass
		3	0	22.36	-3.10	17.11	<=38.45	Pass
			2	22.34	-3.10	17.09	<=38.45	Pass
			3	22.25	-3.10	17.00	<=38.45	Pass
		6	0	21.18	-3.10	15.93	<=38.45	Pass
	848.3	1	0	22.32	-3.10	17.07	<=38.45	Pass
			2	22.24	-3.10	16.99	<=38.45	Pass
			5	22.34	-3.10	17.09	<=38.45	Pass
		3	0	22.22	-3.10	16.97	<=38.45	Pass
			2	22.25	-3.10	17.00	<=38.45	Pass
			3	22.24	-3.10	16.99	<=38.45	Pass
		6	0	21.14	-3.10	15.89	<=38.45	Pass
256QAM	824.7	1	0	19.07	-3.10	13.82	<=38.45	Pass
			2	19.21	-3.10	13.96	<=38.45	Pass
			5	19.24	-3.10	13.99	<=38.45	Pass
		3	0	19.26	-3.10	14.01	<=38.45	Pass
			2	19.16	-3.10	13.91	<=38.45	Pass
			3	19.21	-3.10	13.96	<=38.45	Pass
		6	0	19.11	-3.10	13.86	<=38.45	Pass
	836.5	1	0	19.28	-3.10	14.03	<=38.45	Pass
			2	19.30	-3.10	14.05	<=38.45	Pass
			5	19.24	-3.10	13.99	<=38.45	Pass
		3	0	19.28	-3.10	14.03	<=38.45	Pass
			2	19.26	-3.10	14.01	<=38.45	Pass
			3	19.22	-3.10	13.97	<=38.45	Pass
		6	0	19.19	-3.10	13.94	<=38.45	Pass
	848.3	1	0	19.23	-3.10	13.98	<=38.45	Pass
			2	19.15	-3.10	13.90	<=38.45	Pass
			5	19.30	-3.10	14.05	<=38.45	Pass
		3	0	19.22	-3.10	13.97	<=38.45	Pass
			2	19.26	-3.10	14.01	<=38.45	Pass
			3	19.25	-3.10	14.00	<=38.45	Pass
		6	0	19.17	-3.10	13.92	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	24.16	-3.10	18.91	<=38.45	Pass
			7	24.11	-3.10	18.86	<=38.45	Pass
			14	24.12	-3.10	18.87	<=38.45	Pass
		8	0	23.16	-3.10	17.91	<=38.45	Pass
			4	23.14	-3.10	17.89	<=38.45	Pass
			7	23.17	-3.10	17.92	<=38.45	Pass
		15	0	23.19	-3.10	17.94	<=38.45	Pass
	836.5	1	0	24.20	-3.10	18.95	<=38.45	Pass
			7	24.16	-3.10	18.91	<=38.45	Pass
			14	24.18	-3.10	18.93	<=38.45	Pass
		8	0	23.26	-3.10	18.01	<=38.45	Pass
			4	23.17	-3.10	17.92	<=38.45	Pass
			7	23.19	-3.10	17.94	<=38.45	Pass
		15	0	23.23	-3.10	17.98	<=38.45	Pass
	847.5	1	0	24.14	-3.10	18.89	<=38.45	Pass

		8	7	24.17	-3.10	18.92	<=38.45	Pass
			14	24.15	-3.10	18.90	<=38.45	Pass
			0	23.18	-3.10	17.93	<=38.45	Pass
			4	23.15	-3.10	17.90	<=38.45	Pass
			7	23.19	-3.10	17.94	<=38.45	Pass
		15	0	23.17	-3.10	17.92	<=38.45	Pass
16QAM	825.5	1	0	23.40	-3.10	18.15	<=38.45	Pass
			7	23.48	-3.10	18.23	<=38.45	Pass
			14	23.48	-3.10	18.23	<=38.45	Pass
		8	0	22.21	-3.10	16.96	<=38.45	Pass
			4	22.27	-3.10	17.02	<=38.45	Pass
			7	22.22	-3.10	16.97	<=38.45	Pass
		15	0	22.19	-3.10	16.94	<=38.45	Pass
	836.5	1	0	23.47	-3.10	18.22	<=38.45	Pass
			7	23.55	-3.10	18.30	<=38.45	Pass
			14	23.42	-3.10	18.17	<=38.45	Pass
		8	0	22.26	-3.10	17.01	<=38.45	Pass
			4	22.23	-3.10	16.98	<=38.45	Pass
			7	22.21	-3.10	16.96	<=38.45	Pass
		15	0	22.20	-3.10	16.95	<=38.45	Pass
	847.5	1	0	23.38	-3.10	18.13	<=38.45	Pass
			7	23.45	-3.10	18.20	<=38.45	Pass
			14	23.39	-3.10	18.14	<=38.45	Pass
		8	0	22.18	-3.10	16.93	<=38.45	Pass
			4	22.23	-3.10	16.98	<=38.45	Pass
			7	22.22	-3.10	16.97	<=38.45	Pass
		15	0	22.19	-3.10	16.94	<=38.45	Pass
64QAM	825.5	1	0	22.44	-3.10	17.19	<=38.45	Pass
			7	22.24	-3.10	16.99	<=38.45	Pass
			14	22.38	-3.10	17.13	<=38.45	Pass
		8	0	21.22	-3.10	15.97	<=38.45	Pass
			4	21.21	-3.10	15.96	<=38.45	Pass
			7	21.23	-3.10	15.98	<=38.45	Pass
		15	0	21.10	-3.10	15.85	<=38.45	Pass
	836.5	1	0	22.44	-3.10	17.19	<=38.45	Pass
			7	22.26	-3.10	17.01	<=38.45	Pass
			14	22.39	-3.10	17.14	<=38.45	Pass
		8	0	21.23	-3.10	15.98	<=38.45	Pass
			4	21.21	-3.10	15.96	<=38.45	Pass
			7	21.24	-3.10	15.99	<=38.45	Pass
		15	0	21.22	-3.10	15.97	<=38.45	Pass
	847.5	1	0	22.36	-3.10	17.11	<=38.45	Pass
			7	22.41	-3.10	17.16	<=38.45	Pass
			14	22.37	-3.10	17.12	<=38.45	Pass
		8	0	21.21	-3.10	15.96	<=38.45	Pass
			4	21.22	-3.10	15.97	<=38.45	Pass
			7	21.18	-3.10	15.93	<=38.45	Pass
		15	0	21.16	-3.10	15.91	<=38.45	Pass
256QAM	825.5	1	0	19.31	-3.10	14.06	<=38.45	Pass
			7	19.12	-3.10	13.87	<=38.45	Pass
			14	19.15	-3.10	13.90	<=38.45	Pass
		8	0	19.15	-3.10	13.90	<=38.45	Pass
			4	19.11	-3.10	13.86	<=38.45	Pass
			7	19.14	-3.10	13.89	<=38.45	Pass
		15	0	19.14	-3.10	13.89	<=38.45	Pass
	836.5	1	0	19.28	-3.10	14.03	<=38.45	Pass
			7	19.25	-3.10	14.00	<=38.45	Pass
			14	19.25	-3.10	14.00	<=38.45	Pass
		8	0	19.24	-3.10	13.99	<=38.45	Pass

			4	19.18	-3.10	13.93	<=38.45	Pass
			7	19.19	-3.10	13.94	<=38.45	Pass
		15	0	19.16	-3.10	13.91	<=38.45	Pass
	847.5	1	0	19.24	-3.10	13.99	<=38.45	Pass
			7	19.11	-3.10	13.86	<=38.45	Pass
			14	19.20	-3.10	13.95	<=38.45	Pass
		8	0	19.14	-3.10	13.89	<=38.45	Pass
			4	19.11	-3.10	13.86	<=38.45	Pass
			7	19.14	-3.10	13.89	<=38.45	Pass
		15	0	19.11	-3.10	13.86	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	24.20	-3.10	18.95	<=38.45	Pass
			13	24.21	-3.10	18.96	<=38.45	Pass
			24	24.25	-3.10	19.00	<=38.45	Pass
		12	0	23.21	-3.10	17.96	<=38.45	Pass
			6	23.24	-3.10	17.99	<=38.45	Pass
			13	23.26	-3.10	18.01	<=38.45	Pass
		25	0	23.25	-3.10	18.00	<=38.45	Pass
	836.5	1	0	24.26	-3.10	19.01	<=38.45	Pass
			13	24.25	-3.10	19.00	<=38.45	Pass
			24	24.22	-3.10	18.97	<=38.45	Pass
		12	0	23.28	-3.10	18.03	<=38.45	Pass
			6	23.25	-3.10	18.00	<=38.45	Pass
			13	23.23	-3.10	17.98	<=38.45	Pass
		25	0	23.30	-3.10	18.05	<=38.45	Pass
	846.5	1	0	24.22	-3.10	18.97	<=38.45	Pass
			13	24.19	-3.10	18.94	<=38.45	Pass
			24	24.19	-3.10	18.94	<=38.45	Pass
		12	0	23.22	-3.10	17.97	<=38.45	Pass
			6	23.18	-3.10	17.93	<=38.45	Pass
			13	23.21	-3.10	17.96	<=38.45	Pass
		25	0	23.22	-3.10	17.97	<=38.45	Pass
16QAM	826.5	1	0	23.55	-3.10	18.30	<=38.45	Pass
			13	23.40	-3.10	18.15	<=38.45	Pass
			24	23.58	-3.10	18.33	<=38.45	Pass
		12	0	22.22	-3.10	16.97	<=38.45	Pass
			6	22.23	-3.10	16.98	<=38.45	Pass
			13	22.26	-3.10	17.01	<=38.45	Pass
		25	0	22.21	-3.10	16.96	<=38.45	Pass
	836.5	1	0	23.52	-3.10	18.27	<=38.45	Pass
			13	23.59	-3.10	18.34	<=38.45	Pass
			24	23.37	-3.10	18.12	<=38.45	Pass
		12	0	22.29	-3.10	17.04	<=38.45	Pass
			6	22.30	-3.10	17.05	<=38.45	Pass
			13	22.24	-3.10	16.99	<=38.45	Pass
		25	0	22.28	-3.10	17.03	<=38.45	Pass
	846.5	1	0	23.40	-3.10	18.15	<=38.45	Pass
			13	23.51	-3.10	18.26	<=38.45	Pass
			24	23.52	-3.10	18.27	<=38.45	Pass
		12	0	22.22	-3.10	16.97	<=38.45	Pass
			6	22.17	-3.10	16.92	<=38.45	Pass

			13	22.21	-3.10	16.96	<=38.45	Pass	
		25	0	22.19	-3.10	16.94	<=38.45	Pass	
64QAM	826.5	1	0	22.36	-3.10	17.11	<=38.45	Pass	
			13	22.35	-3.10	17.10	<=38.45	Pass	
			24	22.43	-3.10	17.18	<=38.45	Pass	
			0	21.23	-3.10	15.98	<=38.45	Pass	
		12	6	21.26	-3.10	16.01	<=38.45	Pass	
			13	21.31	-3.10	16.06	<=38.45	Pass	
			25	0	21.24	-3.10	15.99	<=38.45	Pass
		836.5	1	0	22.45	-3.10	17.20	<=38.45	Pass
				13	22.43	-3.10	17.18	<=38.45	Pass
	24			22.40	-3.10	17.15	<=38.45	Pass	
	12		0	21.30	-3.10	16.05	<=38.45	Pass	
			6	21.28	-3.10	16.03	<=38.45	Pass	
			13	21.23	-3.10	15.98	<=38.45	Pass	
	25		0	21.27	-3.10	16.02	<=38.45	Pass	
	846.5	1	0	22.44	-3.10	17.19	<=38.45	Pass	
			13	22.33	-3.10	17.08	<=38.45	Pass	
			24	22.39	-3.10	17.14	<=38.45	Pass	
		12	0	21.30	-3.10	16.05	<=38.45	Pass	
			6	21.20	-3.10	15.95	<=38.45	Pass	
			13	21.24	-3.10	15.99	<=38.45	Pass	
		25	0	21.15	-3.10	15.90	<=38.45	Pass	
		256QAM	826.5	1	0	19.27	-3.10	14.02	<=38.45
	13				19.26	-3.10	14.01	<=38.45	Pass
24	19.25				-3.10	14.00	<=38.45	Pass	
12	0			19.14	-3.10	13.89	<=38.45	Pass	
	6			19.17	-3.10	13.92	<=38.45	Pass	
	13			19.21	-3.10	13.96	<=38.45	Pass	
25	0			19.21	-3.10	13.96	<=38.45	Pass	
836.5	1		0	19.33	-3.10	14.08	<=38.45	Pass	
			13	19.26	-3.10	14.01	<=38.45	Pass	
			24	19.33	-3.10	14.08	<=38.45	Pass	
	12		0	19.28	-3.10	14.03	<=38.45	Pass	
			6	19.23	-3.10	13.98	<=38.45	Pass	
			13	19.19	-3.10	13.94	<=38.45	Pass	
25	0		19.22	-3.10	13.97	<=38.45	Pass		
846.5	1		0	19.35	-3.10	14.10	<=38.45	Pass	
			13	19.26	-3.10	14.01	<=38.45	Pass	
			24	19.23	-3.10	13.98	<=38.45	Pass	
	12		0	19.16	-3.10	13.91	<=38.45	Pass	
			6	19.14	-3.10	13.89	<=38.45	Pass	
			13	19.13	-3.10	13.88	<=38.45	Pass	
	25		0	19.15	-3.10	13.90	<=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	24.25	-3.10	19.00	<=38.45	Pass
			25	24.21	-3.10	18.96	<=38.45	Pass
			49	24.21	-3.10	18.96	<=38.45	Pass
		25	0	23.20	-3.10	17.95	<=38.45	Pass
			13	23.26	-3.10	18.01	<=38.45	Pass
			25	23.22	-3.10	17.97	<=38.45	Pass

		50	0	23.21	-3.10	17.96	<=38.45	Pass	
		836.5	1	0	24.28	-3.10	19.03	<=38.45	Pass
				25	24.23	-3.10	18.98	<=38.45	Pass
				49	24.25	-3.10	19.00	<=38.45	Pass
			25	0	23.26	-3.10	18.01	<=38.45	Pass
				13	23.25	-3.10	18.00	<=38.45	Pass
				25	23.27	-3.10	18.02	<=38.45	Pass
		50	0	23.25	-3.10	18.00	<=38.45	Pass	
		844	1	0	24.30	-3.10	19.05	<=38.45	Pass
				25	24.16	-3.10	18.91	<=38.45	Pass
				49	24.26	-3.10	19.01	<=38.45	Pass
			25	0	23.27	-3.10	18.02	<=38.45	Pass
				13	23.21	-3.10	17.96	<=38.45	Pass
				25	23.19	-3.10	17.94	<=38.45	Pass
		50	0	23.21	-3.10	17.96	<=38.45	Pass	
16QAM	829	1	0	23.41	-3.10	18.16	<=38.45	Pass	
			25	23.41	-3.10	18.16	<=38.45	Pass	
			49	23.49	-3.10	18.24	<=38.45	Pass	
		25	0	22.20	-3.10	16.95	<=38.45	Pass	
			13	22.24	-3.10	16.99	<=38.45	Pass	
			25	22.22	-3.10	16.97	<=38.45	Pass	
		50	0	22.20	-3.10	16.95	<=38.45	Pass	
	836.5	1	0	23.43	-3.10	18.18	<=38.45	Pass	
			25	23.56	-3.10	18.31	<=38.45	Pass	
			49	23.58	-3.10	18.33	<=38.45	Pass	
		25	0	22.26	-3.10	17.01	<=38.45	Pass	
			13	22.25	-3.10	17.00	<=38.45	Pass	
			25	22.25	-3.10	17.00	<=38.45	Pass	
	50	0	22.25	-3.10	17.00	<=38.45	Pass		
	844	1	0	23.57	-3.10	18.32	<=38.45	Pass	
			25	23.45	-3.10	18.20	<=38.45	Pass	
			49	23.43	-3.10	18.18	<=38.45	Pass	
		25	0	22.24	-3.10	16.99	<=38.45	Pass	
			13	22.17	-3.10	16.92	<=38.45	Pass	
			25	22.19	-3.10	16.94	<=38.45	Pass	
		50	0	22.19	-3.10	16.94	<=38.45	Pass	
64QAM	829	1	0	22.37	-3.10	17.12	<=38.45	Pass	
			25	22.34	-3.10	17.09	<=38.45	Pass	
			49	22.42	-3.10	17.17	<=38.45	Pass	
		25	0	21.20	-3.10	15.95	<=38.45	Pass	
			13	21.21	-3.10	15.96	<=38.45	Pass	
			25	21.19	-3.10	15.94	<=38.45	Pass	
		50	0	21.17	-3.10	15.92	<=38.45	Pass	
	836.5	1	0	22.38	-3.10	17.13	<=38.45	Pass	
			25	22.36	-3.10	17.11	<=38.45	Pass	
			49	22.53	-3.10	17.28	<=38.45	Pass	
		25	0	21.23	-3.10	15.98	<=38.45	Pass	
			13	21.21	-3.10	15.96	<=38.45	Pass	
			25	21.24	-3.10	15.99	<=38.45	Pass	
	50	0	21.22	-3.10	15.97	<=38.45	Pass		
	844	1	0	22.46	-3.10	17.21	<=38.45	Pass	
25			22.33	-3.10	17.08	<=38.45	Pass		
49			22.43	-3.10	17.18	<=38.45	Pass		
25		0	21.24	-3.10	15.99	<=38.45	Pass		
		13	21.18	-3.10	15.93	<=38.45	Pass		
		25	21.14	-3.10	15.89	<=38.45	Pass		
50	0	21.20	-3.10	15.95	<=38.45	Pass			
256QAM	829	1	0	19.28	-3.10	14.03	<=38.45	Pass	
			25	19.30	-3.10	14.05	<=38.45	Pass	

			49	19.30	-3.10	14.05	<=38.45	Pass
		25	0	19.14	-3.10	13.89	<=38.45	Pass
			13	19.16	-3.10	13.91	<=38.45	Pass
			25	19.19	-3.10	13.94	<=38.45	Pass
		50	0	19.16	-3.10	13.91	<=38.45	Pass
	836.5	1	0	19.43	-3.10	14.18	<=38.45	Pass
			25	19.35	-3.10	14.10	<=38.45	Pass
			49	19.31	-3.10	14.06	<=38.45	Pass
		25	0	19.19	-3.10	13.94	<=38.45	Pass
			13	19.16	-3.10	13.91	<=38.45	Pass
			25	19.24	-3.10	13.99	<=38.45	Pass
		50	0	19.20	-3.10	13.95	<=38.45	Pass
		844	1	0	19.43	-3.10	14.18	<=38.45
	25			16.32	-3.10	11.07	<=38.45	Pass
	49			19.30	-3.10	14.05	<=38.45	Pass
	25		0	19.20	-3.10	13.95	<=38.45	Pass
			13	19.15	-3.10	13.90	<=38.45	Pass
			25	19.12	-3.10	13.87	<=38.45	Pass
	50		0	19.16	-3.10	13.91	<=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	3.27	-2.200	-0.0026	-2.5 to 2.5	Pass
					3.85	-1.500	-0.0018	-2.5 to 2.5	Pass
					4.43	-6.800	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	1.400	0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.800	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.100	0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.700	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-7.200	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-0.400	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.400	-0.0005	-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	1.114	/	Pass
3	QPSK	836.5	15	0	2.730	/	Pass

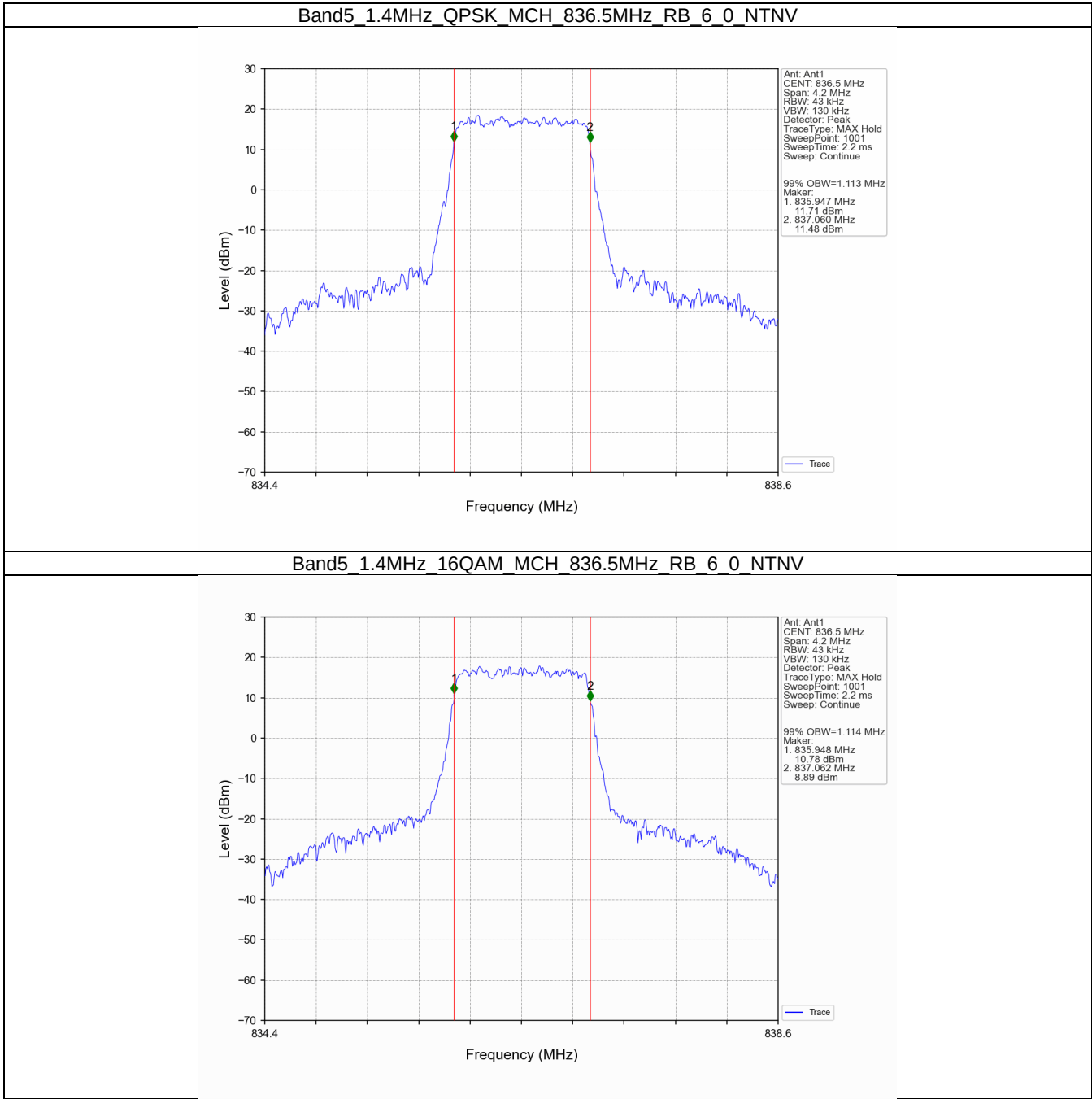
	16QAM	836.5	15	0	2.727	/	Pass
5	QPSK	836.5	25	0	4.526	/	Pass
	16QAM	836.5	25	0	4.535	/	Pass
10	QPSK	836.5	50	0	9.157	/	Pass
	16QAM	836.5	50	0	9.015	/	Pass

3.1.2 Band5_XDB

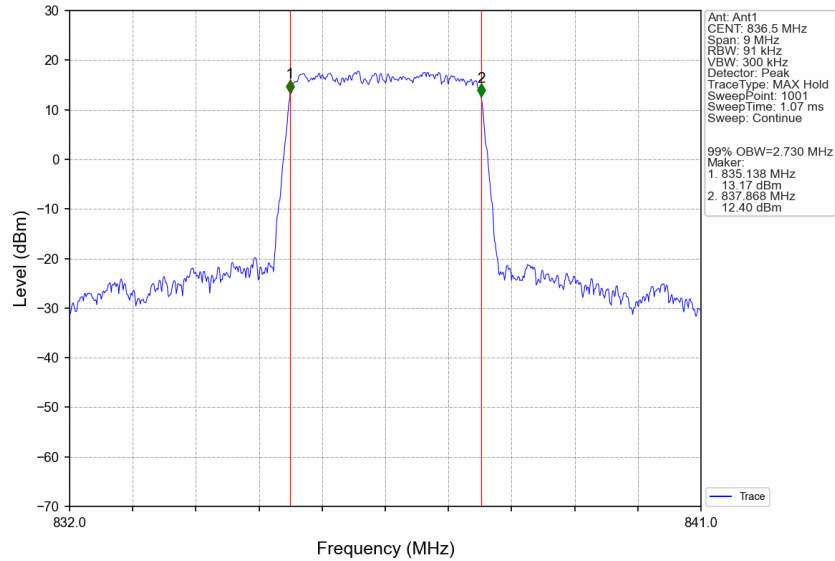
Band: 5 / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.325	/	Pass
	16QAM	836.5	6	0	1.315	/	Pass
3	QPSK	836.5	15	0	3.014	/	Pass
	16QAM	836.5	15	0	3.031	/	Pass
5	QPSK	836.5	25	0	5.015	/	Pass
	16QAM	836.5	25	0	5.055	/	Pass
10	QPSK	836.5	50	0	9.898	/	Pass
	16QAM	836.5	50	0	9.943	/	Pass

3.2 Test Graph

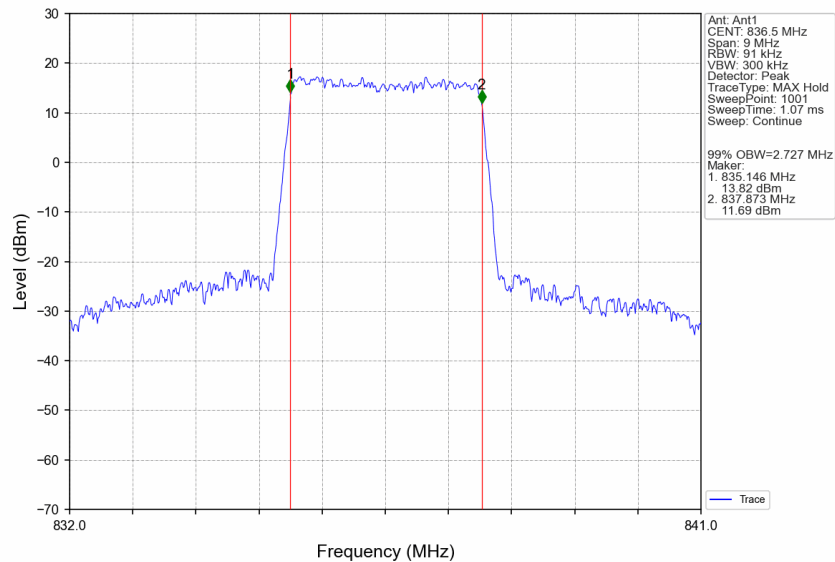
3.2.1 Band5_OBW



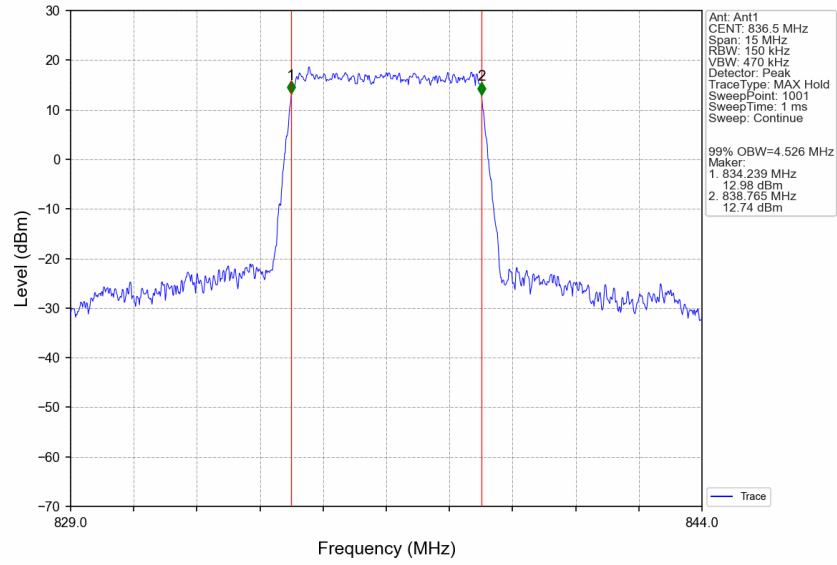
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



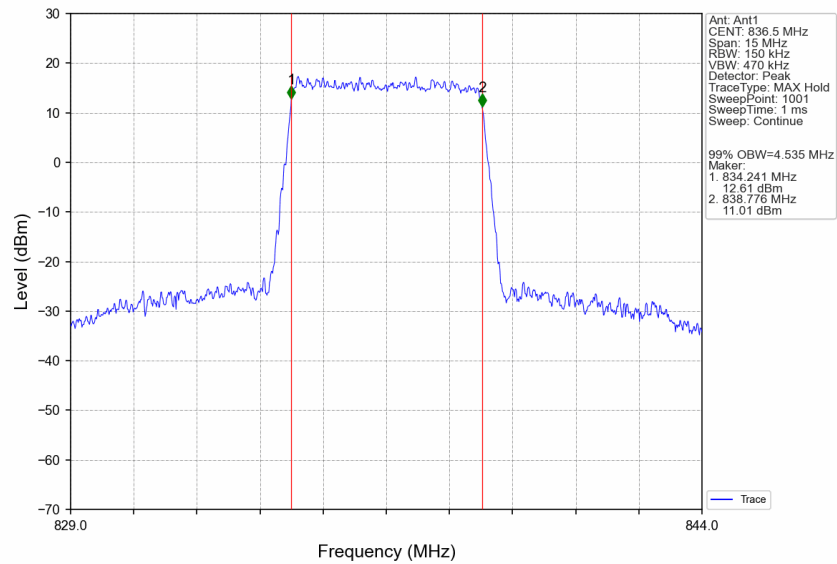
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



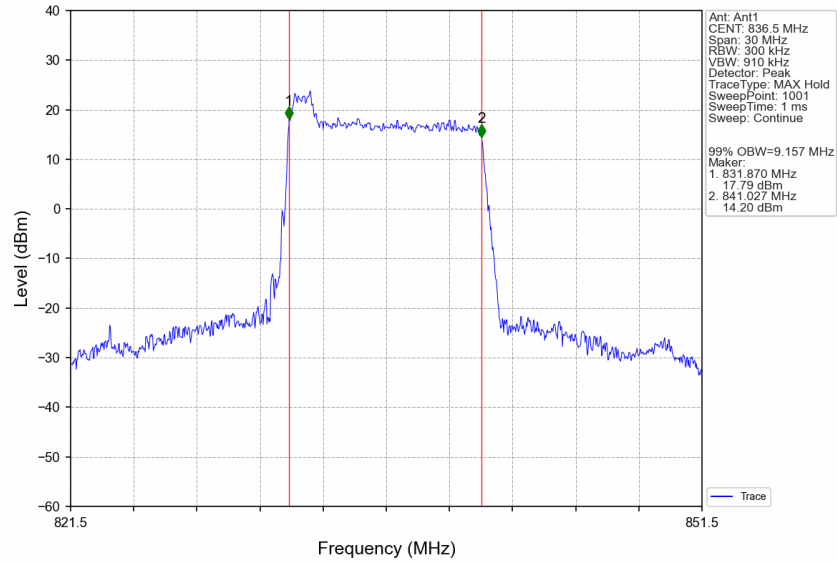
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



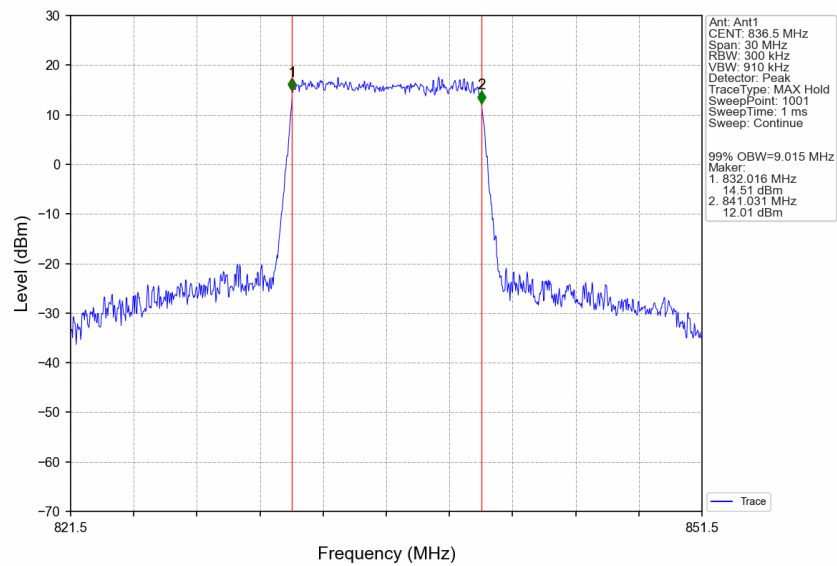
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



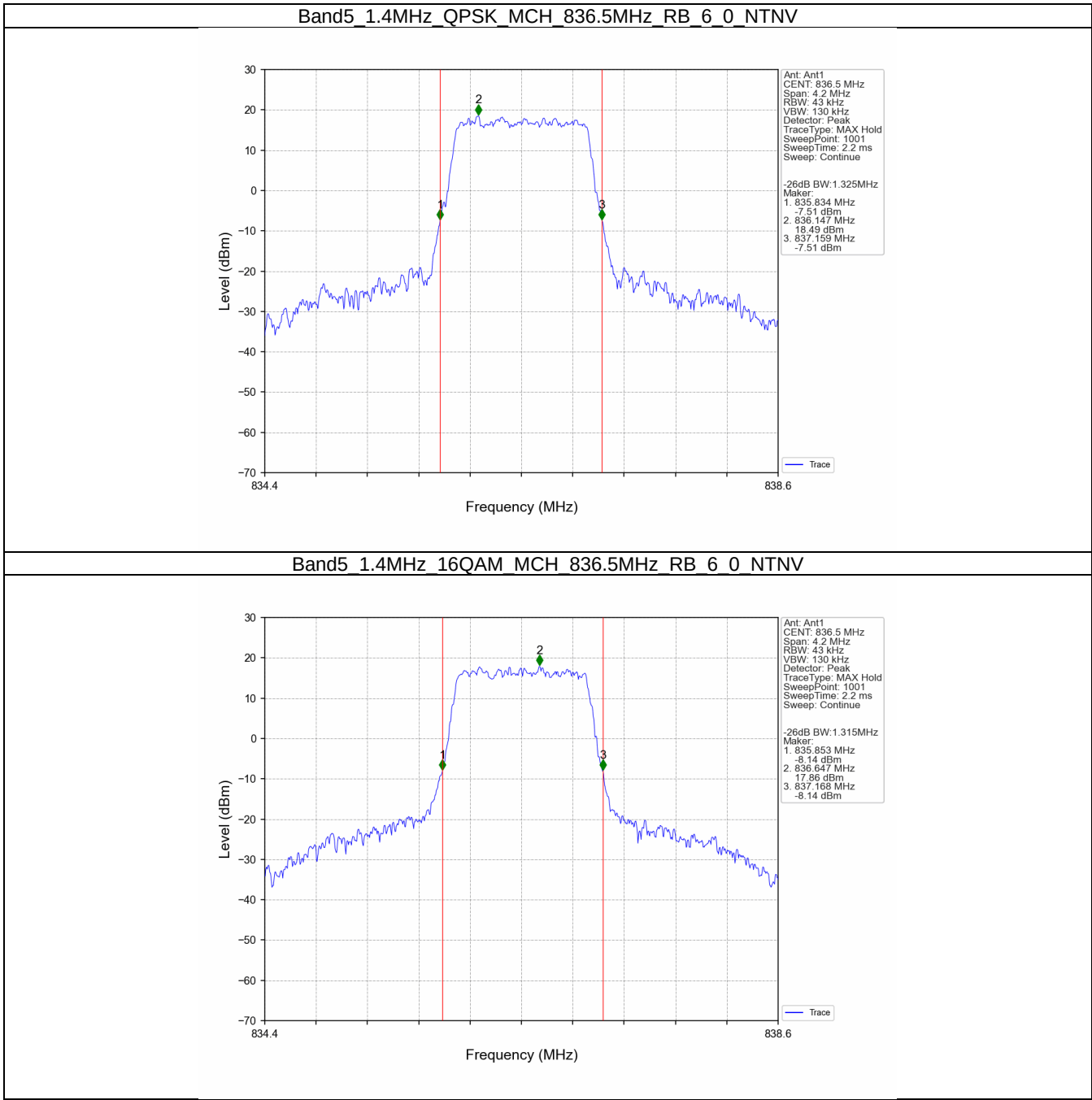
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



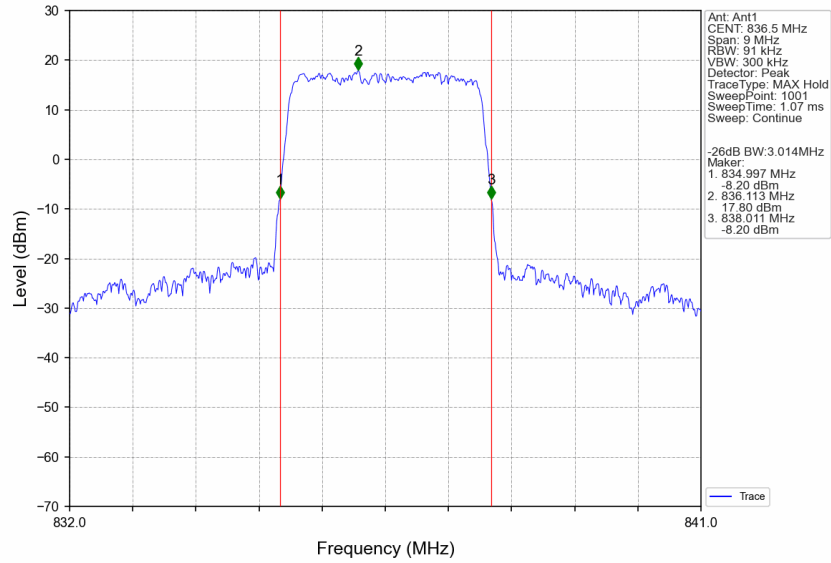
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



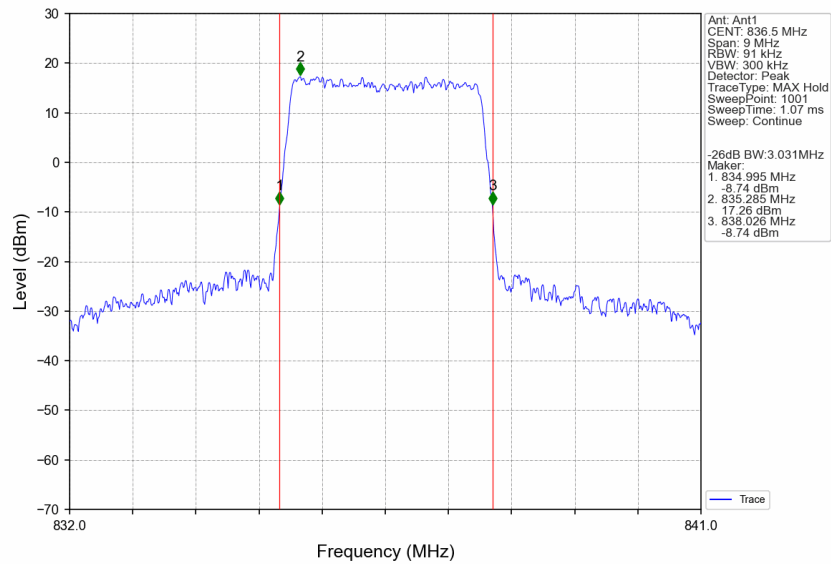
3.2.2 Band5_XDB



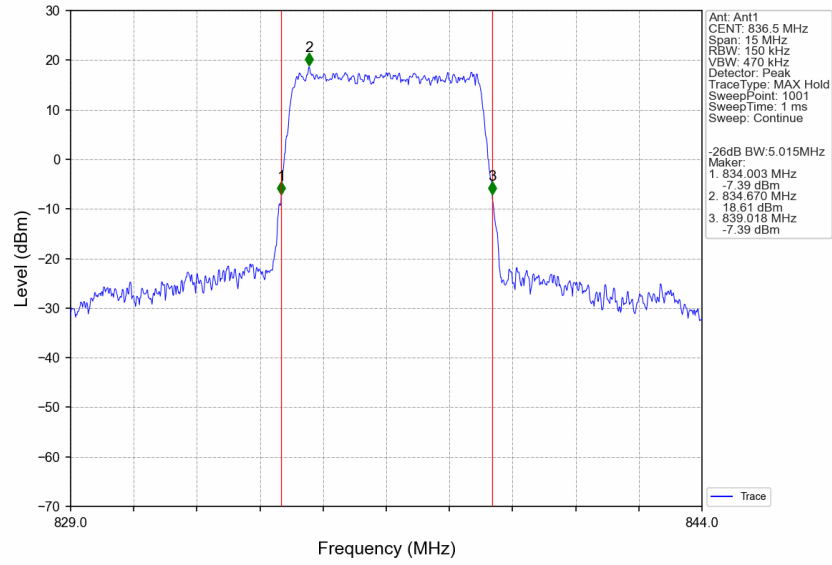
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



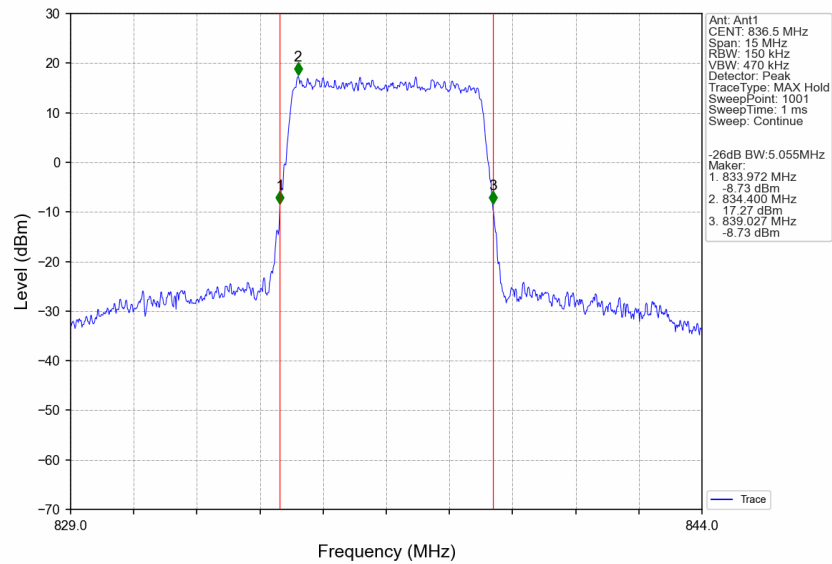
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



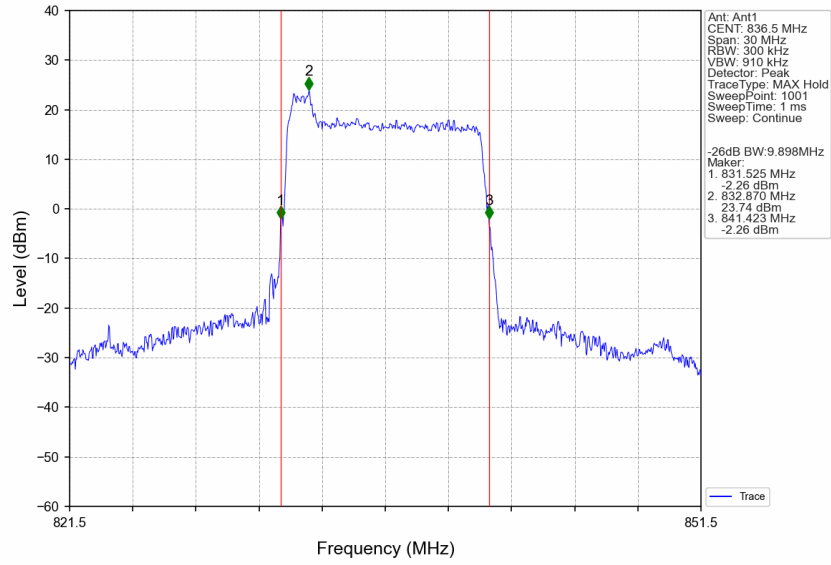
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



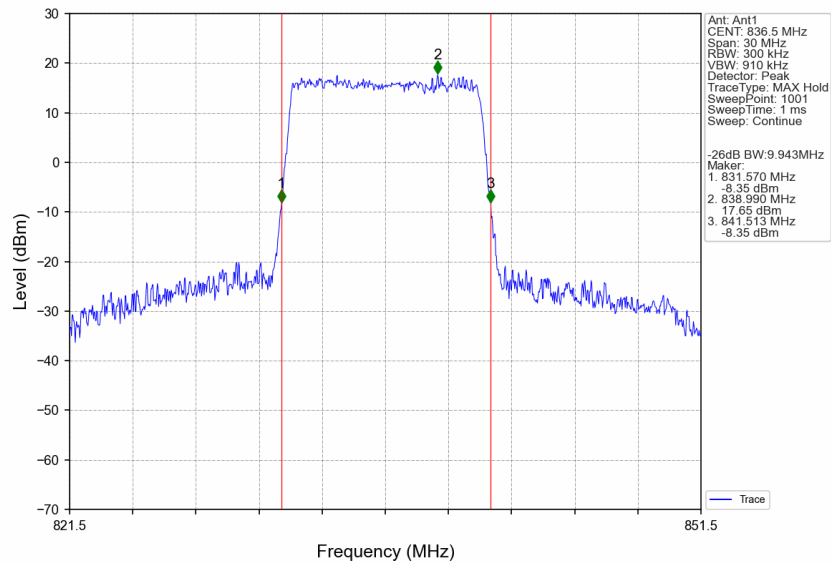
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

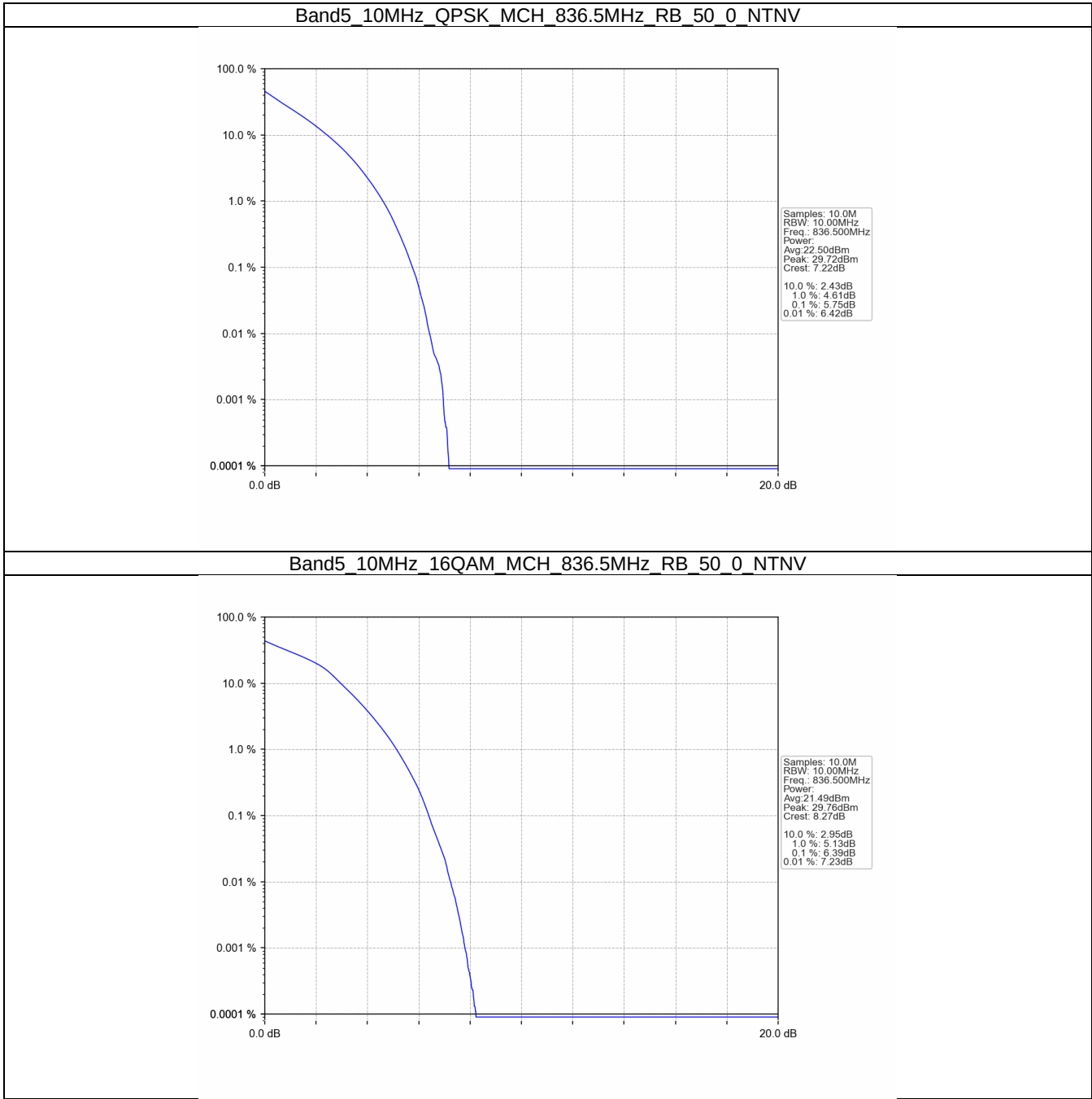
4.1 Test Result

4.1.1 B5_10MHz

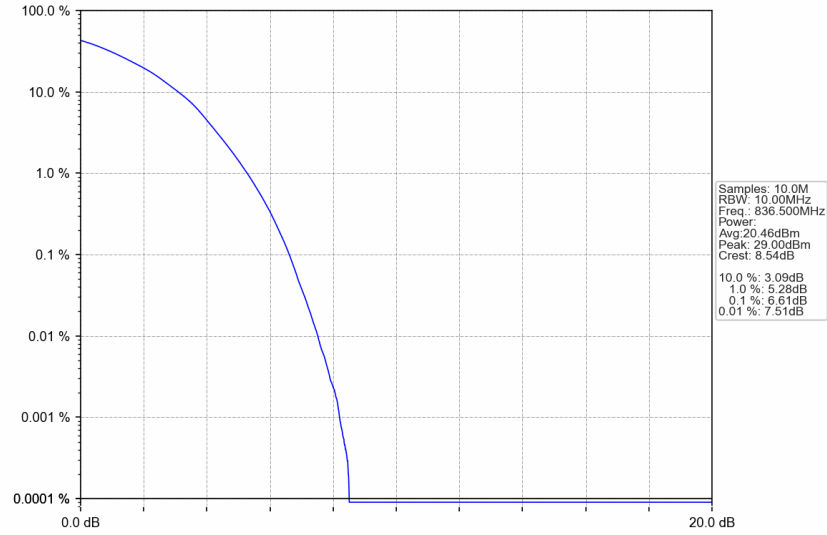
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.75	<=13	Pass
16QAM	836.5	50	0	6.39	<=13	Pass
64QAM	836.5	50	0	6.61	<=13	Pass
256QAM	836.5	50	0	6.74	<=13	Pass

4.2 Test Graph

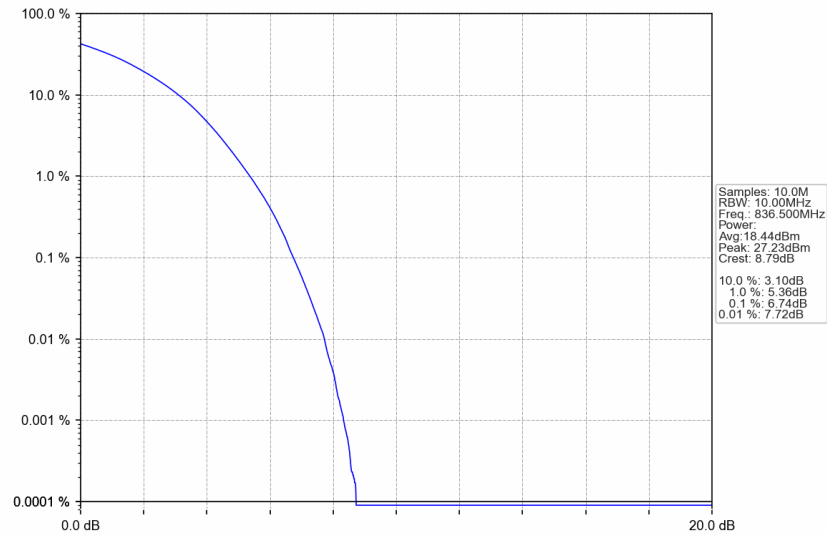
4.2.1 B5_10MHz



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

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

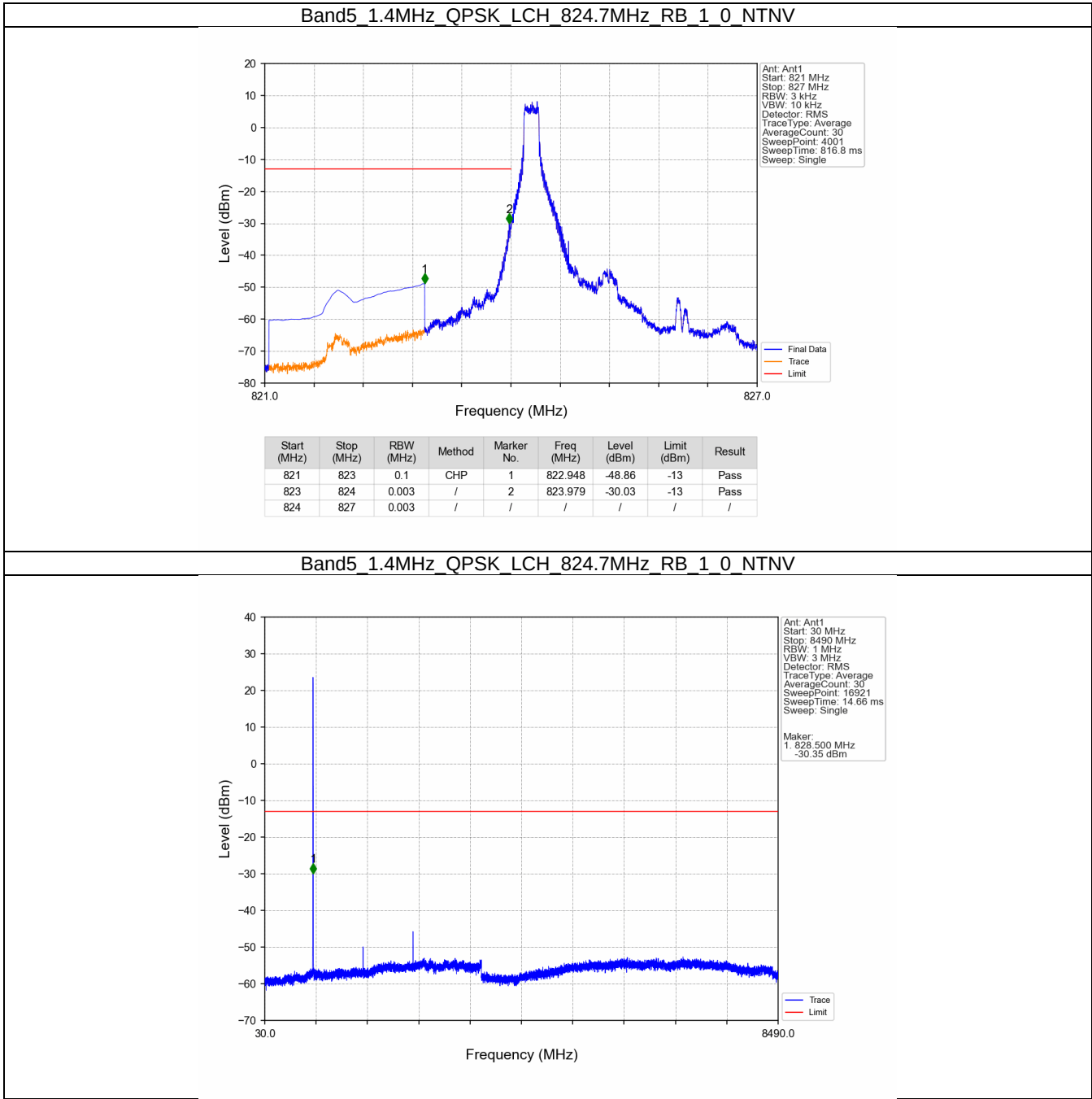
5.1.4 B5_10MHz

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

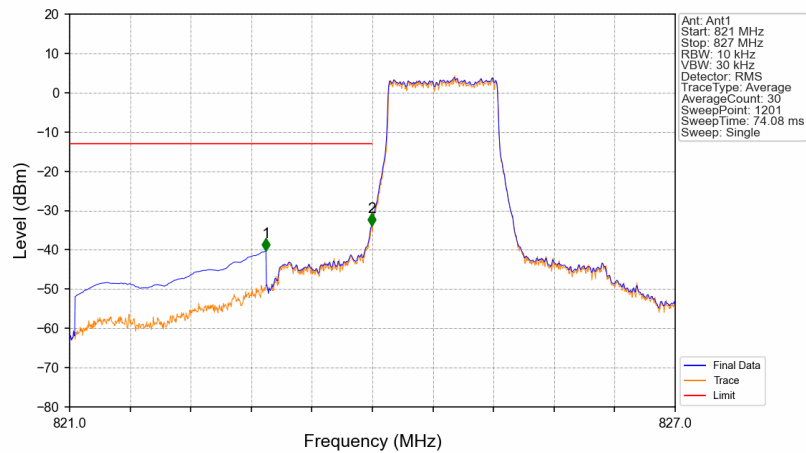
		50	0	Refer To Test Graph	Pass
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5.2 Test Graph

5.2.1 B5_1.4MHz

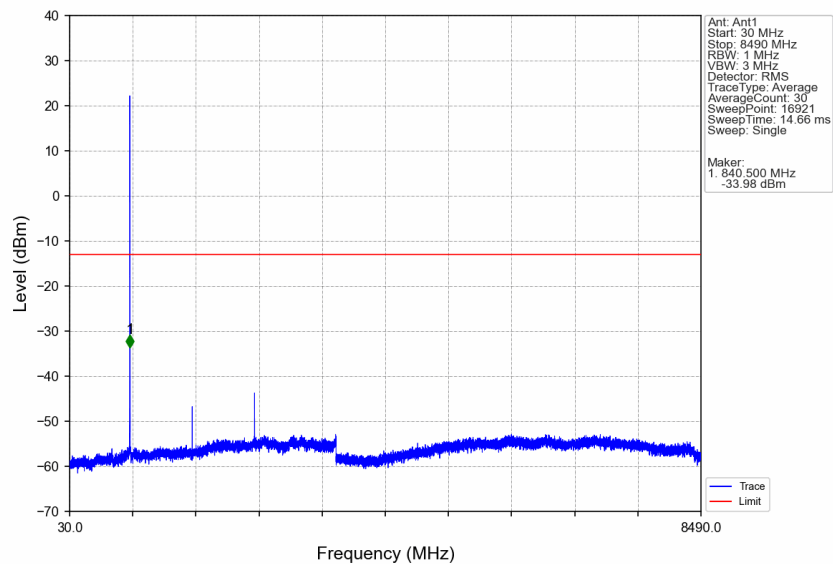


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

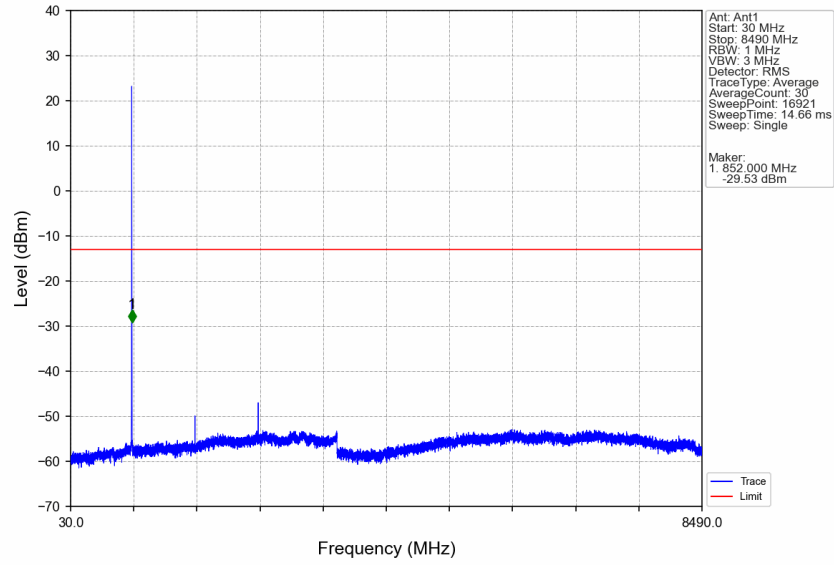


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-40.29	-13	Pass
823	824	0.013	CHP	2	823.995	-33.87	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

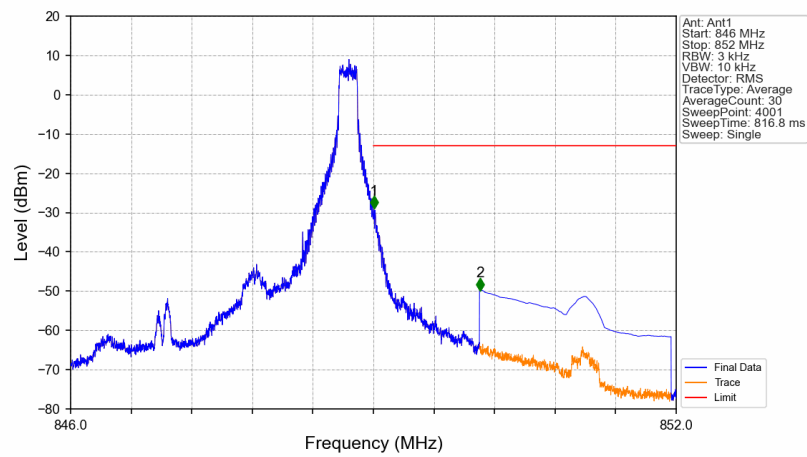
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0 NTNV

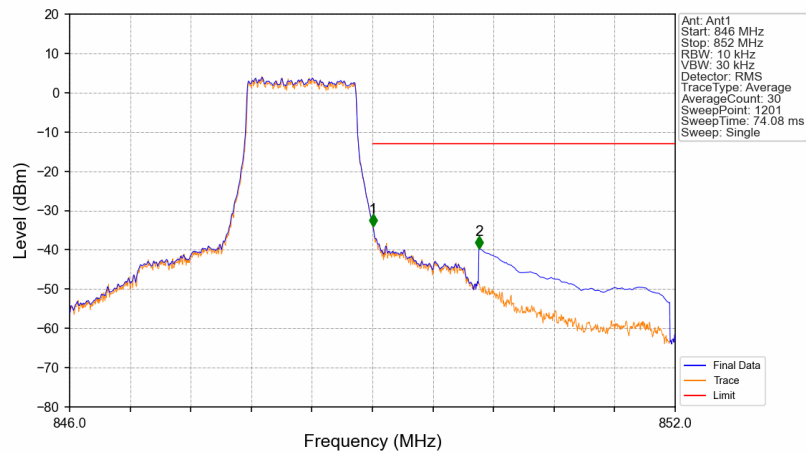


Band5 1.4MHz QPSK HCH 848.3MHz RB 1_5 NTNV



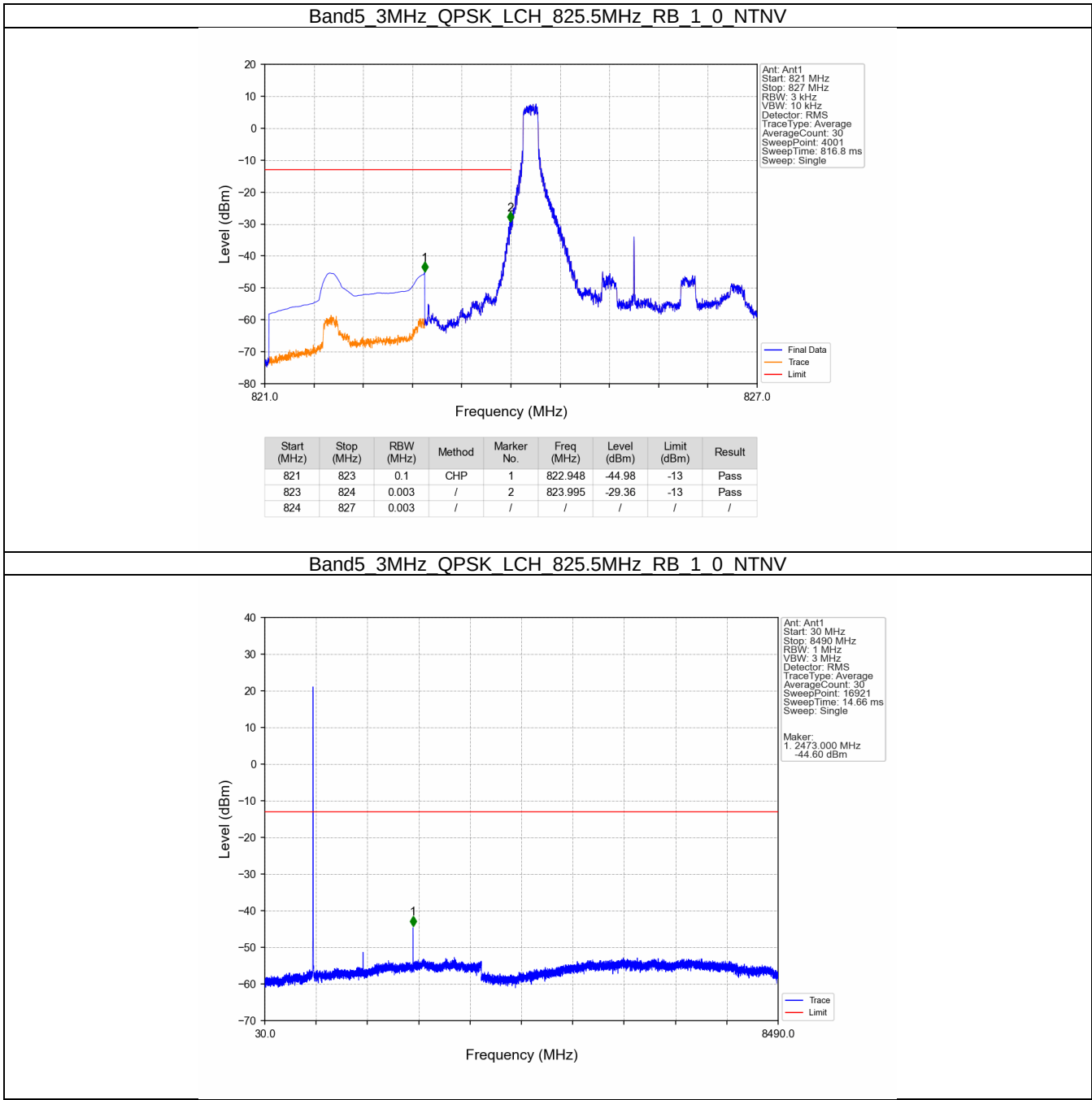
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-28.97	-13	Pass
850	852	0.1	CHP	2	850.056	-49.80	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV

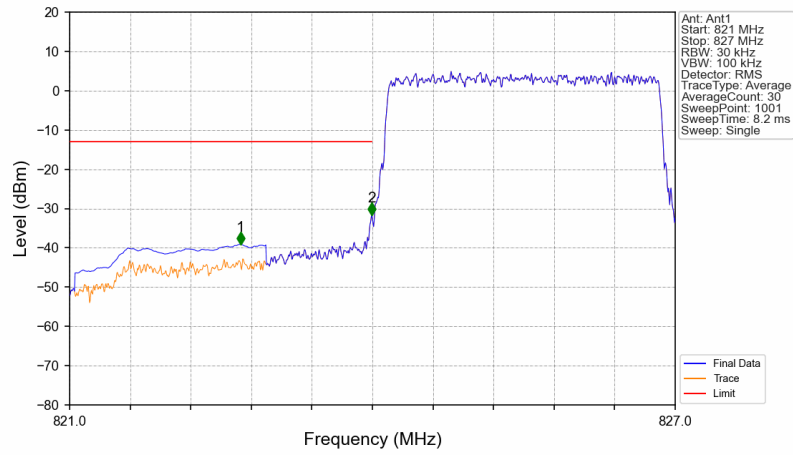


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-33.97	-13	Pass
850	852	0.1	CHP	2	850.060	-39.69	-13	Pass

5.2.2 B5_3MHz

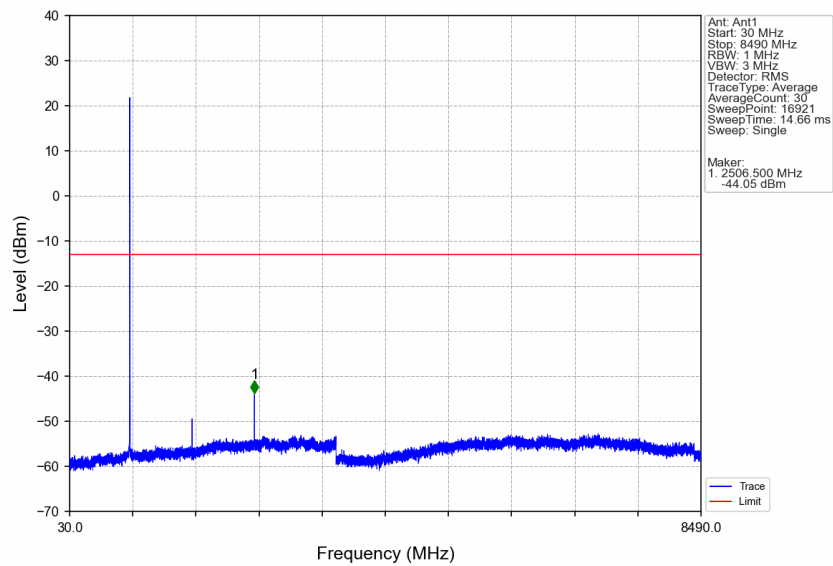


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

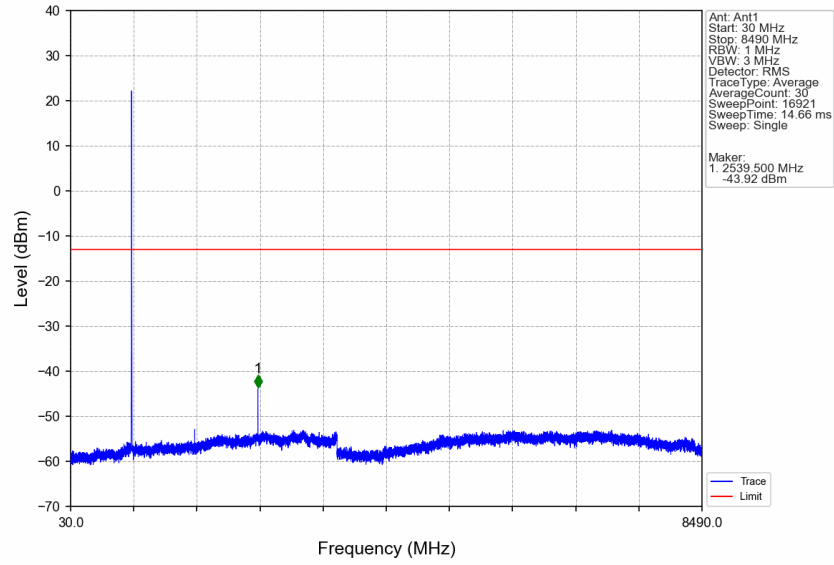


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.692	-39.11	-13	Pass
823	824	0.03	/	2	823.994	-31.65	-13	Pass
824	827	0.03	/	/	/	/	/	/

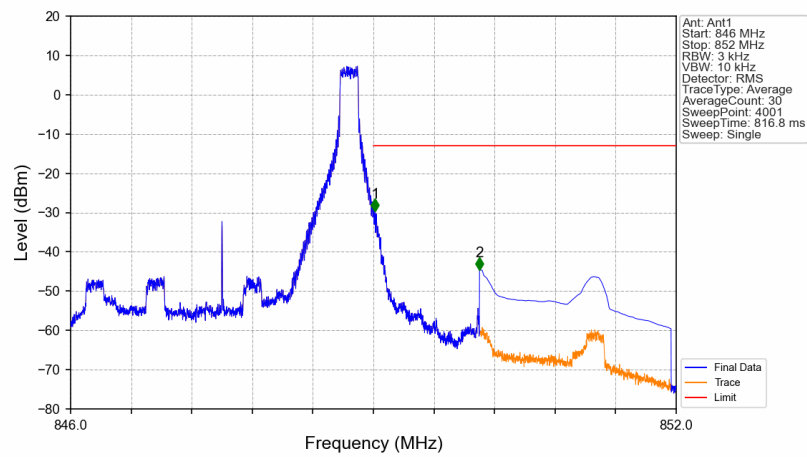
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

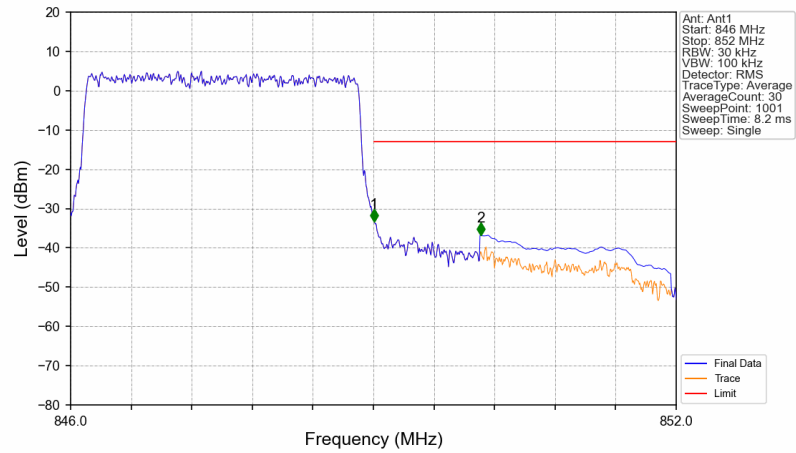


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



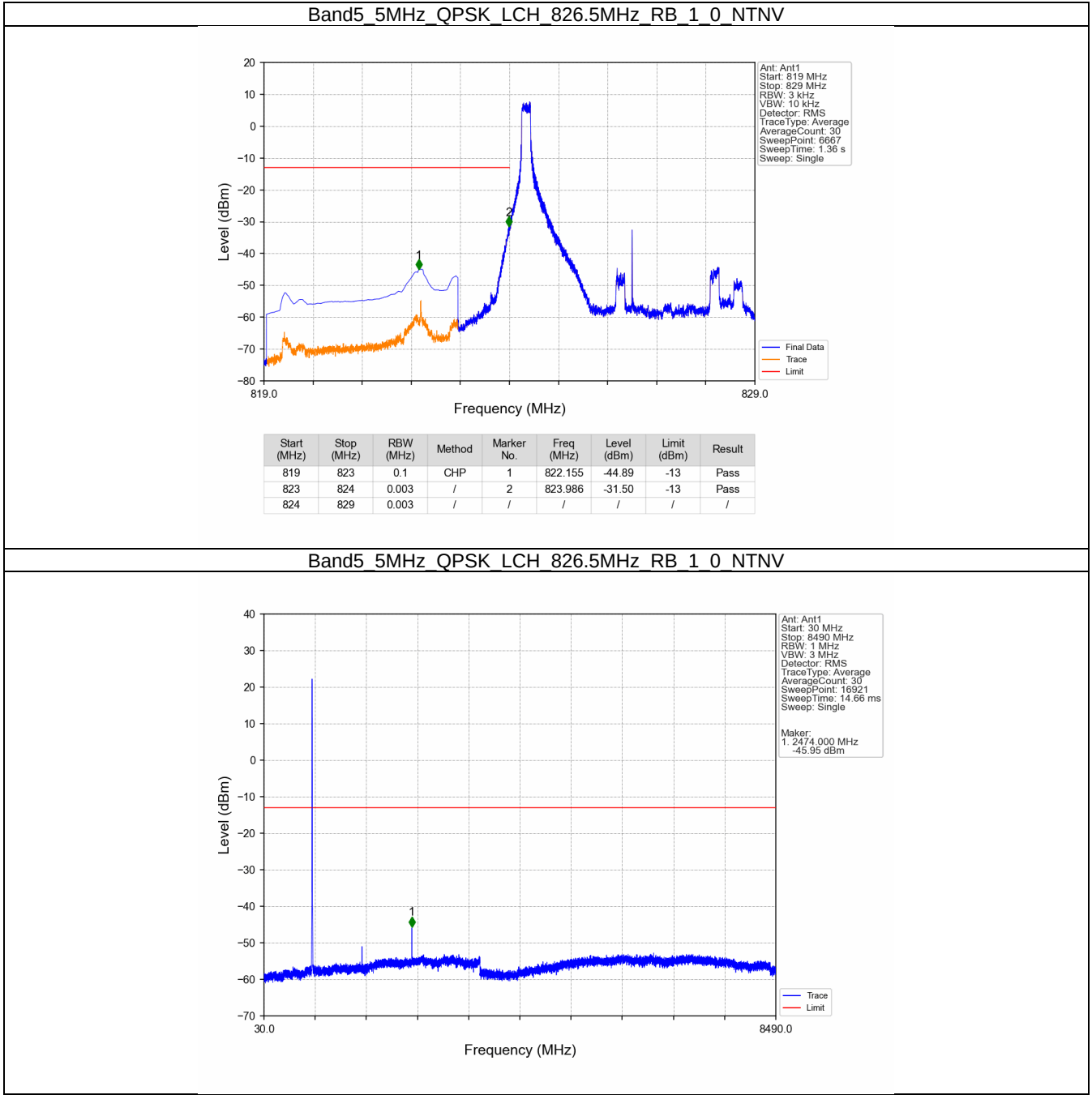
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.015	-29.75	-13	Pass
850	852	0.1	CHP	2	850.053	-44.60	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV

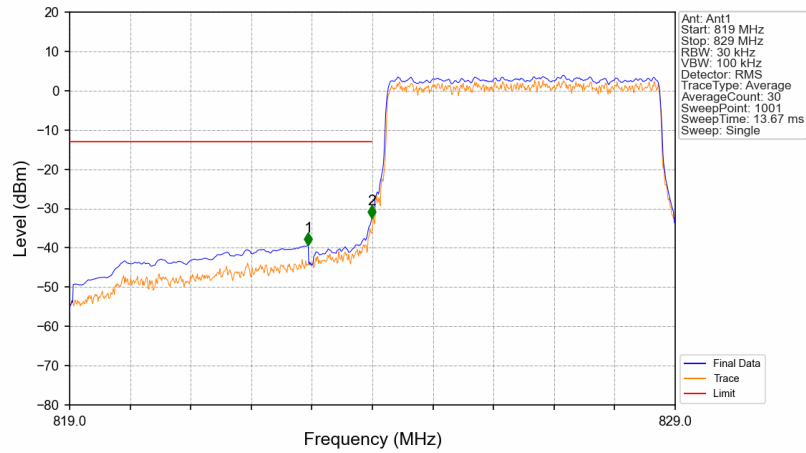


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-33.38	-13	Pass
850	852	0.1	CHP	2	850.062	-36.79	-13	Pass

5.2.3 B5_5MHz

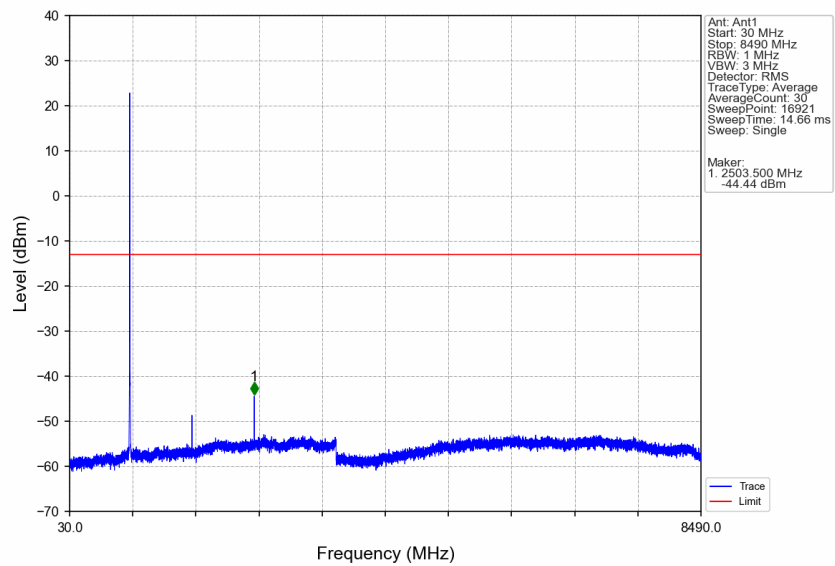


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

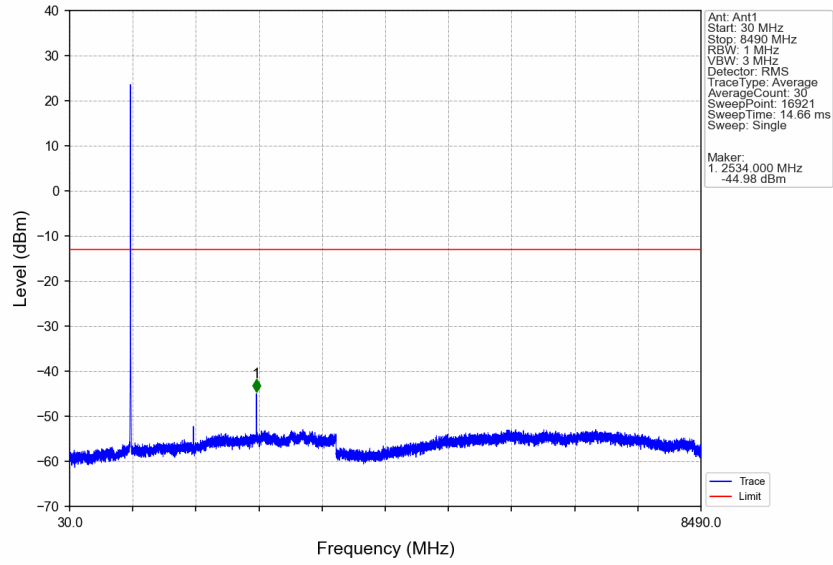


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-39.41	-13	Pass
823	824	0.051	CHP	2	823.990	-32.44	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

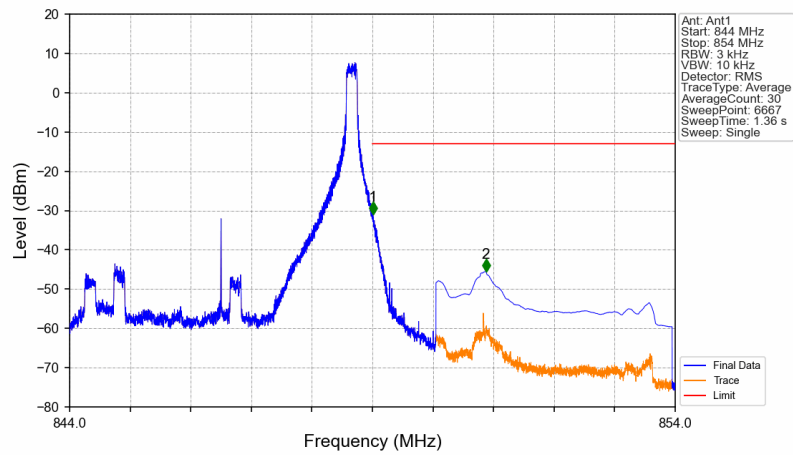
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

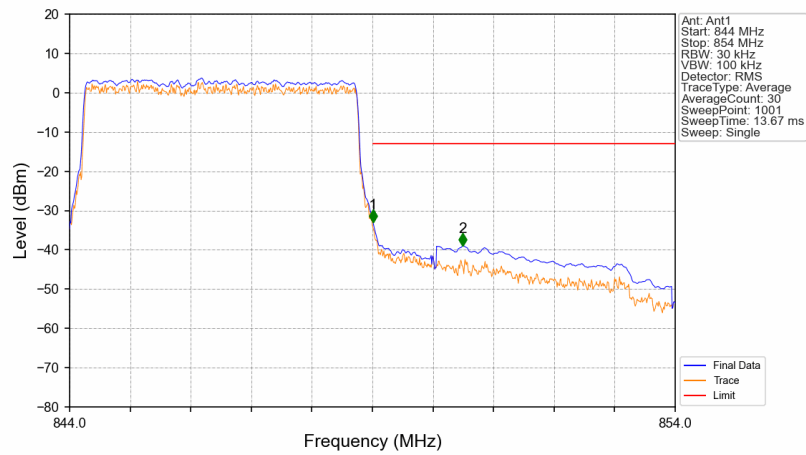


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



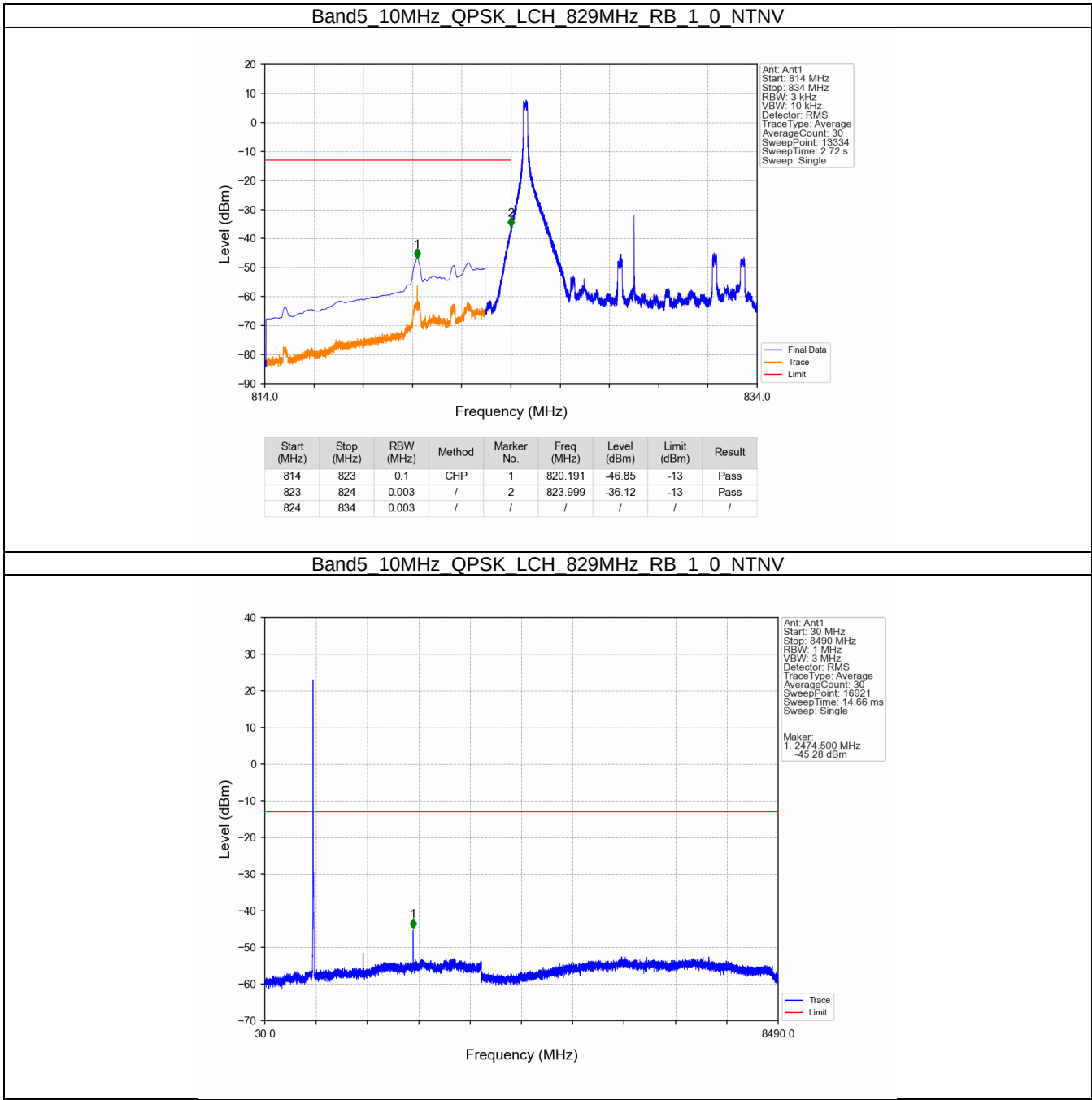
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-30.97	-13	Pass
850	854	0.1	CHP	2	850.875	-45.51	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV

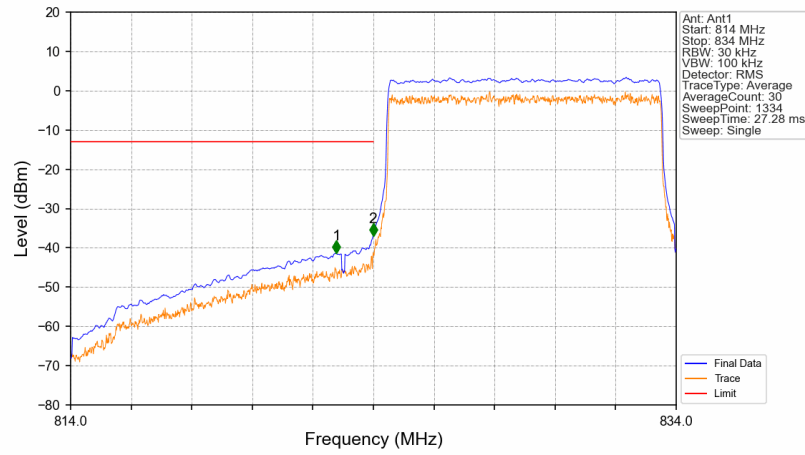


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-32.93	-13	Pass
850	854	0.1	CHP	2	850.490	-39.03	-13	Pass

5.2.4 B5_10MHz

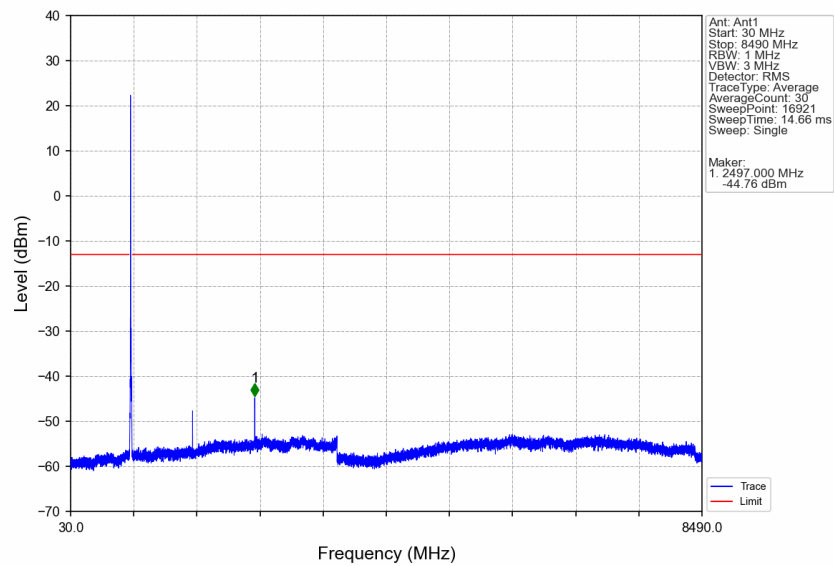


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

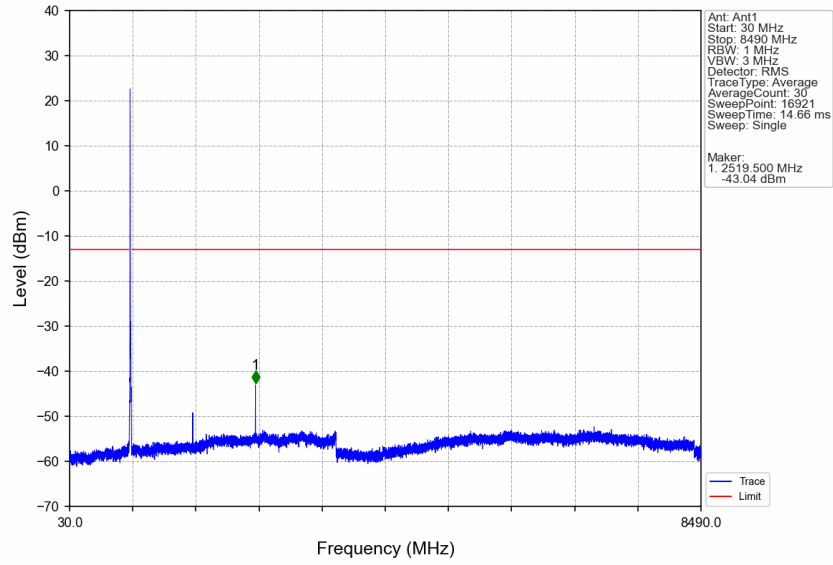


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.777	-41.37	-13	Pass
823	824	0.099	CHP	2	823.992	-36.92	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

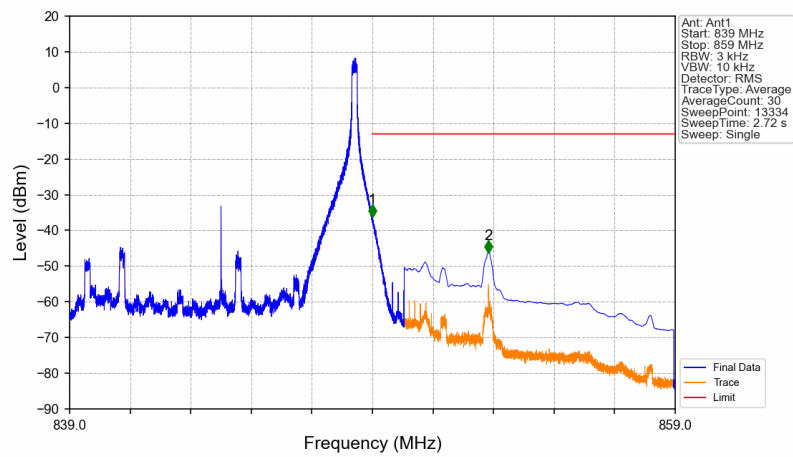
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

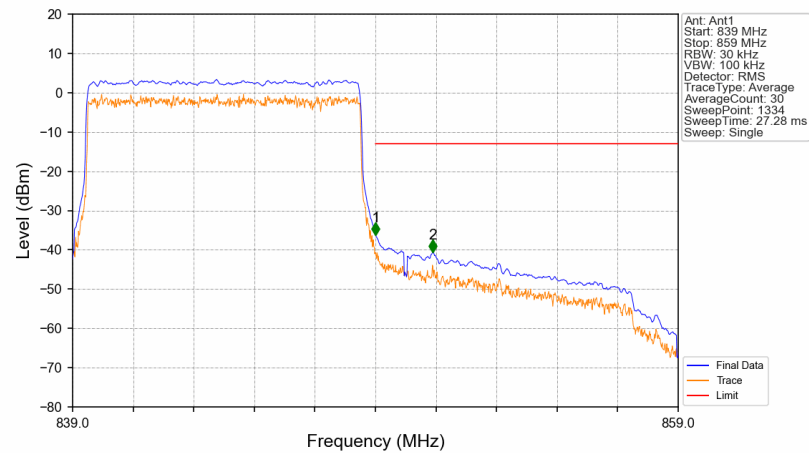


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.001	-36.22	-13	Pass
850	859	0.1	CHP	2	852.836	-46.28	-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	-36.25	-13	Pass
850	859	0.1	CHP	2	850.898	-40.61	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band5_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1429	53.62	-48.22	25.45	-64.41	-13.00	51.41	Horizontal
2	2473.7143	55.57	-47.32	27.15	-59.86	-13.00	46.86	Horizontal
3	3247.4286	42.64	-46.47	28.35	-70.75	-13.00	57.75	Horizontal
4	4089.7143	42.28	-45.93	29.62	-69.30	-13.00	56.30	Horizontal
5	5178.8571	41.77	-45.07	31.72	-66.84	-13.00	53.84	Horizontal
6	6188	42.26	-44.87	33.04	-64.83	-13.00	51.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1429	51.81	-48.22	25.45	-66.22	-13.00	53.22	Vertical
2	2473.7143	55.38	-47.32	27.15	-60.05	-13.00	47.05	Vertical
3	3735.4286	42.42	-46.15	28.98	-70.02	-13.00	57.02	Vertical
4	4442.8571	42.31	-45.77	30.46	-68.25	-13.00	55.25	Vertical
5	5352	41.86	-45.12	32.03	-66.49	-13.00	53.49	Vertical
6	7021.1429	40.81	-43.71	35.06	-63.10	-13.00	50.10	Vertical

Test Band = LTE Band5_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	51.43	-48.20	25.46	-66.57	-13.00	53.57	Horizontal
2	2496.5714	50.76	-47.28	27.19	-64.58	-13.00	51.58	Horizontal
3	3213.1429	42.94	-46.34	28.31	-70.35	-13.00	57.35	Horizontal
4	4450.8571	42.46	-45.74	30.48	-68.06	-13.00	55.06	Horizontal
5	5554.2857	42.36	-45.21	32.31	-65.80	-13.00	52.80	Horizontal
6	6952	41.32	-43.86	34.91	-62.88	-13.00	49.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	48.57	-48.20	25.46	-69.43	-13.00	56.43	Vertical
2	2496.5714	52.97	-47.28	27.19	-62.37	-13.00	49.37	Vertical
3	3191.4286	42.76	-46.33	28.29	-70.54	-13.00	57.54	Vertical
4	4577.7143	42.83	-45.75	30.72	-67.45	-13.00	54.45	Vertical
5	6253.1429	42.09	-44.74	33.26	-64.65	-13.00	51.65	Vertical
6	7838.2857	39.72	-42.67	36.87	-61.33	-13.00	48.33	Vertical

Test Band = LTE Band5_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.4286	57.55	-48.18	25.48	-60.42	-13.00	47.42	Horizontal
2	2518.8571	52.45	-47.21	27.23	-62.78	-13.00	49.78	Horizontal
3	3292	43.25	-46.65	28.39	-70.27	-13.00	57.27	Horizontal
4	4264.5714	42.67	-45.84	30.03	-68.40	-13.00	55.40	Horizontal
5	5433.1429	42.25	-45.03	32.18	-65.86	-13.00	52.86	Horizontal
6	7009.1429	41.10	-43.63	35.03	-62.76	-13.00	49.76	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.4286	57.03	-48.18	25.48	-60.94	-13.00	47.94	Vertical
2	2518.8571	54.96	-47.21	27.23	-60.27	-13.00	47.27	Vertical
3	3058.2857	43.01	-46.65	28.16	-70.75	-13.00	57.75	Vertical
4	4290.2857	42.39	-45.80	30.10	-68.57	-13.00	55.57	Vertical
5	5414.2857	42.30	-44.99	32.15	-65.81	-13.00	52.81	Vertical
6	6975.4286	40.89	-43.72	34.96	-63.13	-13.00	50.13	Vertical

Test Band = LTE CA 2A-5A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4548.75	42.31	-45.69	30.68	-67.96	-13.00	54.96	Horizontal
2	6081	41.43	-44.52	32.68	-65.68	-13.00	52.68	Horizontal
3	6978.75	40.70	-43.67	34.96	-63.27	-13.00	50.27	Horizontal
4	8075.25	37.97	-41.61	37.05	-61.84	-13.00	48.84	Horizontal
5	9510.75	36.83	-40.17	37.52	-61.08	-13.00	48.08	Horizontal
6	11931	31.95	-37.26	39.07	-61.51	-13.00	48.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4370.25	42.38	-45.74	30.29	-68.33	-13.00	55.33	Vertical
2	6153.75	41.83	-44.62	32.92	-65.12	-13.00	52.12	Vertical
3	7195.5	40.33	-43.46	35.55	-62.84	-13.00	49.84	Vertical
4	8028	39.19	-42.07	37.08	-61.06	-13.00	48.06	Vertical
5	9564	37.10	-39.87	37.63	-60.40	-13.00	47.40	Vertical
6	11817	31.98	-36.97	39.01	-61.24	-13.00	48.24	Vertical

Test Band = LTE CA 2A-5A_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4364.25	41.69	-45.72	30.27	-69.02	-13.00	56.02	Horizontal
2	6159.75	41.39	-44.64	32.94	-65.56	-13.00	52.56	Horizontal
3	8032.5	38.48	-42.03	37.08	-61.73	-13.00	48.73	Horizontal
4	9467.25	36.75	-40.10	37.43	-61.17	-13.00	48.17	Horizontal
5	12222.75	32.24	-37.47	39.17	-61.32	-13.00	48.32	Horizontal
6	13575.75	31.49	-36.31	40.21	-59.87	-13.00	46.87	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3819.75	42.09	-45.99	29.11	-70.05	-13.00	57.05	Vertical
2	4722	41.95	-45.59	30.96	-67.94	-13.00	54.94	Vertical
3	5804.25	41.13	-44.76	32.36	-66.53	-13.00	53.53	Vertical
4	7060.5	40.83	-43.95	35.17	-63.21	-13.00	50.21	Vertical
5	8477.25	38.58	-41.58	36.81	-61.45	-13.00	48.45	Vertical
6	10705.5	33.14	-37.92	38.57	-61.47	-13.00	48.47	Vertical

Test Band = LTE CA 2A-5A_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3789.75	41.54	-45.88	29.06	-70.53	-13.00	57.53	Horizontal
2	5506.5	41.56	-45.23	32.30	-66.63	-13.00	53.63	Horizontal
3	6985.5	40.05	-43.63	34.97	-63.87	-13.00	50.87	Horizontal
4	8911.5	36.88	-41.21	36.55	-63.04	-13.00	50.04	Horizontal
5	10713.75	32.50	-37.98	38.57	-62.17	-13.00	49.17	Horizontal
6	12101.25	32.01	-37.34	39.13	-61.46	-13.00	48.46	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4119	41.57	-45.76	29.69	-69.77	-13.00	56.77	Vertical
2	5590.5	41.84	-45.09	32.32	-66.19	-13.00	53.19	Vertical
3	6945.75	40.39	-43.85	34.90	-63.82	-13.00	50.82	Vertical
4	8370.75	37.95	-41.61	36.88	-62.05	-13.00	49.05	Vertical
5	10116.75	34.45	-39.18	38.51	-61.48	-13.00	48.48	Vertical
6	12928.5	32.61	-37.17	39.38	-60.44	-13.00	47.44	Vertical