

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	24.39	-1.12	21.12	<=38.45	Pass
			2	24.38	-1.12	21.11	<=38.45	Pass
			5	24.42	-1.12	21.15	<=38.45	Pass
		3	0	24.34	-1.12	21.07	<=38.45	Pass
			2	24.35	-1.12	21.08	<=38.45	Pass
			3	24.38	-1.12	21.11	<=38.45	Pass
		6	0	23.38	-1.12	20.11	<=38.45	Pass
	836.5	1	0	24.68	-1.12	21.41	<=38.45	Pass
			2	24.85	-1.12	21.58	<=38.45	Pass
			5	24.02	-1.12	20.75	<=38.45	Pass
		3	0	24.75	-1.12	21.48	<=38.45	Pass
			2	24.84	-1.12	21.57	<=38.45	Pass
			3	24.78	-1.12	21.51	<=38.45	Pass
		6	0	23.75	-1.12	20.48	<=38.45	Pass
	848.3	1	0	24.56	-1.12	21.29	<=38.45	Pass
			2	23.29	-1.12	20.02	<=38.45	Pass
			5	24.47	-1.12	21.20	<=38.45	Pass
		3	0	24.46	-1.12	21.19	<=38.45	Pass
			2	24.38	-1.12	21.11	<=38.45	Pass
			3	24.30	-1.12	21.03	<=38.45	Pass
		6	0	23.51	-1.12	20.24	<=38.45	Pass
16QAM	824.7	1	0	23.37	-1.12	20.10	<=38.45	Pass
			2	23.25	-1.12	19.98	<=38.45	Pass
			5	23.60	-1.12	20.33	<=38.45	Pass
		3	0	23.19	-1.12	19.92	<=38.45	Pass
			2	23.39	-1.12	20.12	<=38.45	Pass
			3	23.08	-1.12	19.81	<=38.45	Pass
		6	0	22.24	-1.12	18.97	<=38.45	Pass
	836.5	1	0	23.57	-1.12	20.30	<=38.45	Pass
			2	23.88	-1.12	20.61	<=38.45	Pass
			5	23.96	-1.12	20.69	<=38.45	Pass
		3	0	23.57	-1.12	20.30	<=38.45	Pass
			2	23.77	-1.12	20.50	<=38.45	Pass
			3	23.77	-1.12	20.50	<=38.45	Pass
		6	0	22.82	-1.12	19.55	<=38.45	Pass
	848.3	1	0	23.79	-1.12	20.52	<=38.45	Pass
			2	23.42	-1.12	20.15	<=38.45	Pass
			5	23.76	-1.12	20.49	<=38.45	Pass
		3	0	23.42	-1.12	20.15	<=38.45	Pass
			2	23.59	-1.12	20.32	<=38.45	Pass
			3	23.37	-1.12	20.10	<=38.45	Pass
		6	0	22.58	-1.12	19.31	<=38.45	Pass
64QAM	824.7	1	0	22.21	-1.12	18.94	<=38.45	Pass
			2	20.61	-1.12	17.34	<=38.45	Pass
			5	22.35	-1.12	19.08	<=38.45	Pass
		3	0	22.37	-1.12	19.10	<=38.45	Pass
			2	22.27	-1.12	19.00	<=38.45	Pass
			3	22.41	-1.12	19.14	<=38.45	Pass
		6	0	21.26	-1.12	17.99	<=38.45	Pass

	836.5	1	0	22.36	-1.12	19.09	<=38.45	Pass
			2	22.37	-1.12	19.10	<=38.45	Pass
			5	22.37	-1.12	19.10	<=38.45	Pass
		3	0	22.88	-1.12	19.61	<=38.45	Pass
			2	22.80	-1.12	19.53	<=38.45	Pass
			3	22.82	-1.12	19.55	<=38.45	Pass
		6	0	21.74	-1.12	18.47	<=38.45	Pass
	848.3	1	0	21.99	-1.12	18.72	<=38.45	Pass
			2	22.70	-1.12	19.43	<=38.45	Pass
			5	22.50	-1.12	19.23	<=38.45	Pass
		3	0	22.56	-1.12	19.29	<=38.45	Pass
			2	22.57	-1.12	19.30	<=38.45	Pass
			3	22.36	-1.12	19.09	<=38.45	Pass
		6	0	21.52	-1.12	18.25	<=38.45	Pass
256QAM	824.7	1	0	19.36	-1.12	16.09	<=38.45	Pass
			2	19.42	-1.12	16.15	<=38.45	Pass
			5	19.34	-1.12	16.07	<=38.45	Pass
		3	0	19.36	-1.12	16.09	<=38.45	Pass
			2	19.47	-1.12	16.20	<=38.45	Pass
			3	19.50	-1.12	16.23	<=38.45	Pass
		6	0	19.22	-1.12	15.95	<=38.45	Pass
	836.5	1	0	19.81	-1.12	16.54	<=38.45	Pass
			2	20.01	-1.12	16.74	<=38.45	Pass
			5	19.68	-1.12	16.41	<=38.45	Pass
		3	0	19.87	-1.12	16.60	<=38.45	Pass
			2	19.94	-1.12	16.67	<=38.45	Pass
			3	19.91	-1.12	16.64	<=38.45	Pass
		6	0	19.72	-1.12	16.45	<=38.45	Pass
	848.3	1	0	19.76	-1.12	16.49	<=38.45	Pass
			2	19.53	-1.12	16.26	<=38.45	Pass
			5	19.68	-1.12	16.41	<=38.45	Pass
		3	0	19.58	-1.12	16.31	<=38.45	Pass
			2	19.62	-1.12	16.35	<=38.45	Pass
			3	19.57	-1.12	16.30	<=38.45	Pass
		6	0	19.42	-1.12	16.15	<=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	24.32	-1.12	21.05	<=38.45	Pass
			7	24.52	-1.12	21.25	<=38.45	Pass
			14	24.45	-1.12	21.18	<=38.45	Pass
		8	0	23.33	-1.12	20.06	<=38.45	Pass
			4	23.41	-1.12	20.14	<=38.45	Pass
			7	23.49	-1.12	20.22	<=38.45	Pass
		15	0	23.11	-1.12	19.84	<=38.45	Pass
	836.5	1	0	24.76	-1.12	21.49	<=38.45	Pass
			7	24.52	-1.12	21.25	<=38.45	Pass
			14	24.84	-1.12	21.57	<=38.45	Pass
		8	0	23.87	-1.12	20.60	<=38.45	Pass
			4	23.85	-1.12	20.58	<=38.45	Pass
			7	23.85	-1.12	20.58	<=38.45	Pass
		15	0	23.39	-1.12	20.12	<=38.45	Pass
	847.5	1	0	24.54	-1.12	21.27	<=38.45	Pass

		8	7	24.54	-1.12	21.27	<=38.45	Pass
			14	22.79	-1.12	19.52	<=38.45	Pass
			0	23.69	-1.12	20.42	<=38.45	Pass
			4	23.60	-1.12	20.33	<=38.45	Pass
			7	23.49	-1.12	20.22	<=38.45	Pass
16QAM	825.5	1	0	23.10	-1.12	19.83	<=38.45	Pass
			0	23.59	-1.12	20.32	<=38.45	Pass
			7	23.73	-1.12	20.46	<=38.45	Pass
		8	14	23.72	-1.12	20.45	<=38.45	Pass
			0	22.38	-1.12	19.11	<=38.45	Pass
			4	22.43	-1.12	19.16	<=38.45	Pass
			7	22.57	-1.12	19.30	<=38.45	Pass
		15	0	22.24	-1.12	18.97	<=38.45	Pass
			0	23.99	-1.12	20.72	<=38.45	Pass
	836.5	1	7	23.97	-1.12	20.70	<=38.45	Pass
			14	23.78	-1.12	20.51	<=38.45	Pass
			0	22.57	-1.12	19.30	<=38.45	Pass
		8	4	22.97	-1.12	19.70	<=38.45	Pass
			7	22.96	-1.12	19.69	<=38.45	Pass
			0	22.23	-1.12	18.96	<=38.45	Pass
		847.5	0	23.81	-1.12	20.54	<=38.45	Pass
			7	23.84	-1.12	20.57	<=38.45	Pass
			14	23.77	-1.12	20.50	<=38.45	Pass
64QAM	825.5	1	0	22.70	-1.12	19.43	<=38.45	Pass
			4	22.61	-1.12	19.34	<=38.45	Pass
			7	22.56	-1.12	19.29	<=38.45	Pass
		8	0	22.53	-1.12	19.26	<=38.45	Pass
			0	22.37	-1.12	19.10	<=38.45	Pass
			7	22.67	-1.12	19.40	<=38.45	Pass
		15	14	22.35	-1.12	19.08	<=38.45	Pass
			0	21.39	-1.12	18.12	<=38.45	Pass
			4	21.49	-1.12	18.22	<=38.45	Pass
256QAM	825.5	8	7	21.52	-1.12	18.25	<=38.45	Pass
			0	21.38	-1.12	18.11	<=38.45	Pass
			0	22.51	-1.12	19.24	<=38.45	Pass
		1	7	22.49	-1.12	19.22	<=38.45	Pass
			14	22.44	-1.12	19.17	<=38.45	Pass
			0	20.53	-1.12	17.26	<=38.45	Pass
		8	4	21.92	-1.12	18.65	<=38.45	Pass
			7	21.63	-1.12	18.36	<=38.45	Pass
			0	21.81	-1.12	18.54	<=38.45	Pass
	847.5	1	0	22.78	-1.12	19.51	<=38.45	Pass
			7	22.69	-1.12	19.42	<=38.45	Pass
			14	22.28	-1.12	19.01	<=38.45	Pass
		8	0	21.75	-1.12	18.48	<=38.45	Pass
			4	21.54	-1.12	18.27	<=38.45	Pass
			7	21.51	-1.12	18.24	<=38.45	Pass
		15	0	21.48	-1.12	18.21	<=38.45	Pass
			0	19.34	-1.12	16.07	<=38.45	Pass
			7	19.48	-1.12	16.21	<=38.45	Pass
256QAM	825.5	1	14	19.06	-1.12	15.79	<=38.45	Pass
			0	19.18	-1.12	15.91	<=38.45	Pass
			4	19.42	-1.12	16.15	<=38.45	Pass
		8	7	19.49	-1.12	16.22	<=38.45	Pass
			0	19.43	-1.12	16.16	<=38.45	Pass
			0	19.67	-1.12	16.40	<=38.45	Pass
		1	7	19.82	-1.12	16.55	<=38.45	Pass
			14	19.91	-1.12	16.64	<=38.45	Pass
			0	19.62	-1.12	16.35	<=38.45	Pass

		15	4	19.83	-1.12	16.56	<=38.45	Pass
			7	19.58	-1.12	16.31	<=38.45	Pass
			0	19.76	-1.12	16.49	<=38.45	Pass
	847.5	1	0	19.39	-1.12	16.12	<=38.45	Pass
			7	19.72	-1.12	16.45	<=38.45	Pass
			14	19.43	-1.12	16.16	<=38.45	Pass
		8	0	19.33	-1.12	16.06	<=38.45	Pass
			4	18.54	-1.12	15.27	<=38.45	Pass
			7	19.30	-1.12	16.03	<=38.45	Pass
		15	0	19.46	-1.12	16.19	<=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	24.36	-1.12	21.09	<=38.45	Pass
			13	24.46	-1.12	21.19	<=38.45	Pass
			24	24.47	-1.12	21.20	<=38.45	Pass
		12	0	23.28	-1.12	20.01	<=38.45	Pass
			6	23.48	-1.12	20.21	<=38.45	Pass
			13	23.55	-1.12	20.28	<=38.45	Pass
		25	0	23.51	-1.12	20.24	<=38.45	Pass
	836.5	1	0	24.71	-1.12	21.44	<=38.45	Pass
			13	24.88	-1.12	21.61	<=38.45	Pass
			24	24.92	-1.12	21.65	<=38.45	Pass
		12	0	23.60	-1.12	20.33	<=38.45	Pass
			6	23.25	-1.12	19.98	<=38.45	Pass
			13	23.88	-1.12	20.61	<=38.45	Pass
		25	0	23.40	-1.12	20.13	<=38.45	Pass
	846.5	1	0	24.72	-1.12	21.45	<=38.45	Pass
			13	24.49	-1.12	21.22	<=38.45	Pass
			24	24.44	-1.12	21.17	<=38.45	Pass
		12	0	23.82	-1.12	20.55	<=38.45	Pass
			6	23.53	-1.12	20.26	<=38.45	Pass
			13	23.58	-1.12	20.31	<=38.45	Pass
		25	0	23.46	-1.12	20.19	<=38.45	Pass
16QAM	826.5	1	0	23.53	-1.12	20.26	<=38.45	Pass
			13	23.76	-1.12	20.49	<=38.45	Pass
			24	23.81	-1.12	20.54	<=38.45	Pass
		12	0	22.24	-1.12	18.97	<=38.45	Pass
			6	22.41	-1.12	19.14	<=38.45	Pass
			13	22.55	-1.12	19.28	<=38.45	Pass
		25	0	22.48	-1.12	19.21	<=38.45	Pass
	836.5	1	0	23.62	-1.12	20.35	<=38.45	Pass
			13	24.03	-1.12	20.76	<=38.45	Pass
			24	23.68	-1.12	20.41	<=38.45	Pass
		12	0	22.66	-1.12	19.39	<=38.45	Pass
			6	22.85	-1.12	19.58	<=38.45	Pass
			13	22.87	-1.12	19.60	<=38.45	Pass
		25	0	22.42	-1.12	19.15	<=38.45	Pass
	846.5	1	0	22.93	-1.12	19.66	<=38.45	Pass
			13	23.85	-1.12	20.58	<=38.45	Pass
			24	23.60	-1.12	20.33	<=38.45	Pass
		12	0	22.85	-1.12	19.58	<=38.45	Pass
			6	22.31	-1.12	19.04	<=38.45	Pass

			13	22.45	-1.12	19.18	<=38.45	Pass		
		25	0	22.67	-1.12	19.40	<=38.45	Pass		
64QAM	826.5	1	0	22.28	-1.12	19.01	<=38.45	Pass		
			13	22.77	-1.12	19.50	<=38.45	Pass		
			24	22.54	-1.12	19.27	<=38.45	Pass		
			0	21.21	-1.12	17.94	<=38.45	Pass		
		12	6	21.50	-1.12	18.23	<=38.45	Pass		
			13	21.51	-1.12	18.24	<=38.45	Pass		
			0	21.54	-1.12	18.27	<=38.45	Pass		
		25	0	22.32	-1.12	19.05	<=38.45	Pass		
		836.5	1	13	22.47	-1.12	19.20	<=38.45	Pass	
				24	22.44	-1.12	19.17	<=38.45	Pass	
	0			21.53	-1.12	18.26	<=38.45	Pass		
	12		6	21.89	-1.12	18.62	<=38.45	Pass		
			13	21.85	-1.12	18.58	<=38.45	Pass		
			0	21.86	-1.12	18.59	<=38.45	Pass		
	25		0	22.90	-1.12	19.63	<=38.45	Pass		
	846.5	1	13	22.43	-1.12	19.16	<=38.45	Pass		
			24	22.37	-1.12	19.10	<=38.45	Pass		
			0	21.85	-1.12	18.58	<=38.45	Pass		
		12	6	21.74	-1.12	18.47	<=38.45	Pass		
			13	21.58	-1.12	18.31	<=38.45	Pass		
			0	21.68	-1.12	18.41	<=38.45	Pass		
		256QAM	826.5	1	0	19.50	-1.12	16.23	<=38.45	Pass
					13	19.37	-1.12	16.10	<=38.45	Pass
24	19.66				-1.12	16.39	<=38.45	Pass		
12	0			19.34	-1.12	16.07	<=38.45	Pass		
	6			19.32	-1.12	16.05	<=38.45	Pass		
	13			19.51	-1.12	16.24	<=38.45	Pass		
25	0			19.47	-1.12	16.20	<=38.45	Pass		
836.5	1		0	19.67	-1.12	16.40	<=38.45	Pass		
			13	19.86	-1.12	16.59	<=38.45	Pass		
			24	19.92	-1.12	16.65	<=38.45	Pass		
	12		0	19.84	-1.12	16.57	<=38.45	Pass		
			6	19.18	-1.12	15.91	<=38.45	Pass		
			13	19.90	-1.12	16.63	<=38.45	Pass		
	25		0	19.86	-1.12	16.59	<=38.45	Pass		
846.5	1		0	19.93	-1.12	16.66	<=38.45	Pass		
			13	19.61	-1.12	16.34	<=38.45	Pass		
			24	19.60	-1.12	16.33	<=38.45	Pass		
	12		0	19.79	-1.12	16.52	<=38.45	Pass		
			6	19.48	-1.12	16.21	<=38.45	Pass		
			13	19.52	-1.12	16.25	<=38.45	Pass		
	25		0	19.43	-1.12	16.16	<=38.45	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.31	-1.12	21.04	<=38.45	Pass
			25	24.31	-1.12	21.04	<=38.45	Pass
			49	24.73	-1.12	21.46	<=38.45	Pass
		25	0	22.78	-1.12	19.51	<=38.45	Pass
			13	23.31	-1.12	20.04	<=38.45	Pass
			25	23.60	-1.12	20.33	<=38.45	Pass

		50	0	22.74	-1.12	19.47	<=38.45	Pass
		836.5	1	0	24.66	-1.12	21.39	<=38.45
				25	24.92	-1.12	21.65	<=38.45
				49	24.86	-1.12	21.59	<=38.45
				0	23.85	-1.12	20.58	<=38.45
		25		13	23.66	-1.12	20.39	<=38.45
				25	23.94	-1.12	20.67	<=38.45
				0	23.89	-1.12	20.62	<=38.45
		844	1	0	24.97	-1.12	21.70	<=38.45
				25	24.50	-1.12	21.23	<=38.45
				49	24.30	-1.12	21.03	<=38.45
			25	0	23.85	-1.12	20.58	<=38.45
				13	23.82	-1.12	20.55	<=38.45
				25	23.67	-1.12	20.40	<=38.45
			50	0	23.73	-1.12	20.46	<=38.45
				0	23.58	-1.12	20.31	<=38.45
16QAM	829	1		25	23.76	-1.12	20.49	<=38.45
				49	23.70	-1.12	20.43	<=38.45
				0	22.45	-1.12	19.18	<=38.45
				13	22.17	-1.12	18.90	<=38.45
		25		25	22.49	-1.12	19.22	<=38.45
				0	22.48	-1.12	19.21	<=38.45
				0	23.79	-1.12	20.52	<=38.45
	836.5	1		25	23.87	-1.12	20.60	<=38.45
				49	22.58	-1.12	19.31	<=38.45
				0	22.81	-1.12	19.54	<=38.45
		25		13	22.84	-1.12	19.57	<=38.45
				25	22.96	-1.12	19.69	<=38.45
				0	22.94	-1.12	19.67	<=38.45
	844	1		0	23.96	-1.12	20.69	<=38.45
				25	23.91	-1.12	20.64	<=38.45
				49	23.50	-1.12	20.23	<=38.45
		25		0	22.84	-1.12	19.57	<=38.45
				13	22.83	-1.12	19.56	<=38.45
				25	22.64	-1.12	19.37	<=38.45
		50		0	22.41	-1.12	19.14	<=38.45
				0	21.07	-1.12	17.80	<=38.45
64QAM	829	1		25	22.46	-1.12	19.19	<=38.45
				49	22.43	-1.12	19.16	<=38.45
				0	21.46	-1.12	18.19	<=38.45
		25		13	21.48	-1.12	18.21	<=38.45
				25	21.53	-1.12	18.26	<=38.45
				0	21.48	-1.12	18.21	<=38.45
	836.5	1		0	22.25	-1.12	18.98	<=38.45
				25	22.53	-1.12	19.26	<=38.45
				49	21.96	-1.12	18.69	<=38.45
		25		0	21.81	-1.12	18.54	<=38.45
				13	20.88	-1.12	17.61	<=38.45
				25	21.90	-1.12	18.63	<=38.45
		50		0	21.87	-1.12	18.60	<=38.45
				0	23.06	-1.12	19.79	<=38.45
	844	1		25	22.75	-1.12	19.48	<=38.45
				49	22.28	-1.12	19.01	<=38.45
				0	21.85	-1.12	18.58	<=38.45
		25		13	21.78	-1.12	18.51	<=38.45
				25	21.67	-1.12	18.40	<=38.45
				0	21.73	-1.12	18.46	<=38.45
256QAM	829	1		0	19.25	-1.12	15.98	<=38.45
				25	19.68	-1.12	16.41	<=38.45

			49	19.79	-1.12	16.52	<=38.45	Pass
		25	0	19.41	-1.12	16.14	<=38.45	Pass
			13	19.37	-1.12	16.10	<=38.45	Pass
			25	19.50	-1.12	16.23	<=38.45	Pass
		50	0	19.51	-1.12	16.24	<=38.45	Pass
	836.5	1	0	19.38	-1.12	16.11	<=38.45	Pass
			25	19.92	-1.12	16.65	<=38.45	Pass
			49	19.89	-1.12	16.62	<=38.45	Pass
		25	0	19.80	-1.12	16.53	<=38.45	Pass
			13	19.79	-1.12	16.52	<=38.45	Pass
			25	19.85	-1.12	16.58	<=38.45	Pass
		50	0	19.35	-1.12	16.08	<=38.45	Pass
	844	1	0	19.81	-1.12	16.54	<=38.45	Pass
			25	19.75	-1.12	16.48	<=38.45	Pass
			49	19.44	-1.12	16.17	<=38.45	Pass
		25	0	19.75	-1.12	16.48	<=38.45	Pass
			13	19.45	-1.12	16.18	<=38.45	Pass
			25	19.60	-1.12	16.33	<=38.45	Pass
		50	0	18.93	-1.12	15.66	<=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	-5.300	-0.0063	-2.5 to 2.5	Pass
					3.85	-4.300	-0.0051	-2.5 to 2.5	Pass
					4.43	-4.700	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-2.500	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-2.500	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-5.400	-0.0065	-2.5 to 2.5	Pass
				0	3.85	1.200	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.900	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-6.400	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.300	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-2.000	-0.0024	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.115	/	Pass
	16QAM	836.5	6	0	1.108	/	Pass
3	QPSK	836.5	15	0	2.721	/	Pass

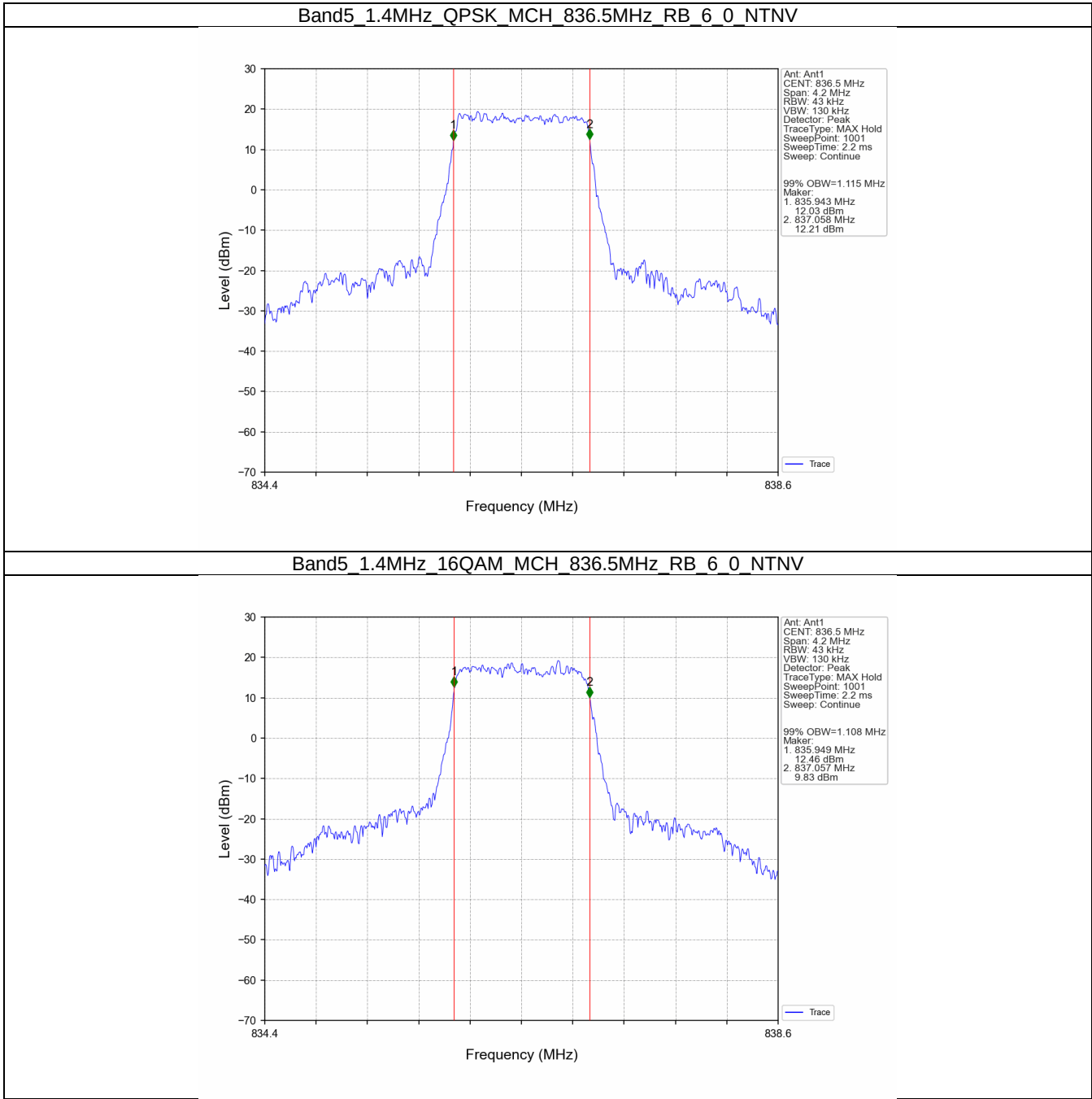
	16QAM	836.5	15	0	2.724	/	Pass
5	QPSK	836.5	25	0	4.534	/	Pass
	16QAM	836.5	25	0	4.532	/	Pass
10	QPSK	836.5	50	0	9.079	/	Pass
	16QAM	836.5	50	0	9.040	/	Pass

3.1.2 Band5_XDB

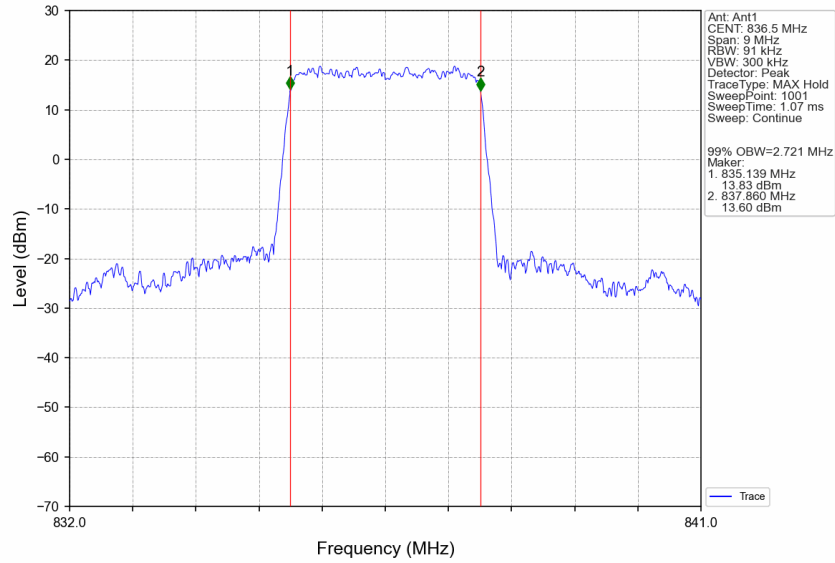
Band: 5 / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.321	/	Pass
	16QAM	836.5	6	0	1.316	/	Pass
3	QPSK	836.5	15	0	3.017	/	Pass
	16QAM	836.5	15	0	3.022	/	Pass
5	QPSK	836.5	25	0	5.054	/	Pass
	16QAM	836.5	25	0	5.024	/	Pass
10	QPSK	836.5	50	0	9.962	/	Pass
	16QAM	836.5	50	0	9.899	/	Pass

3.2 Test Graph

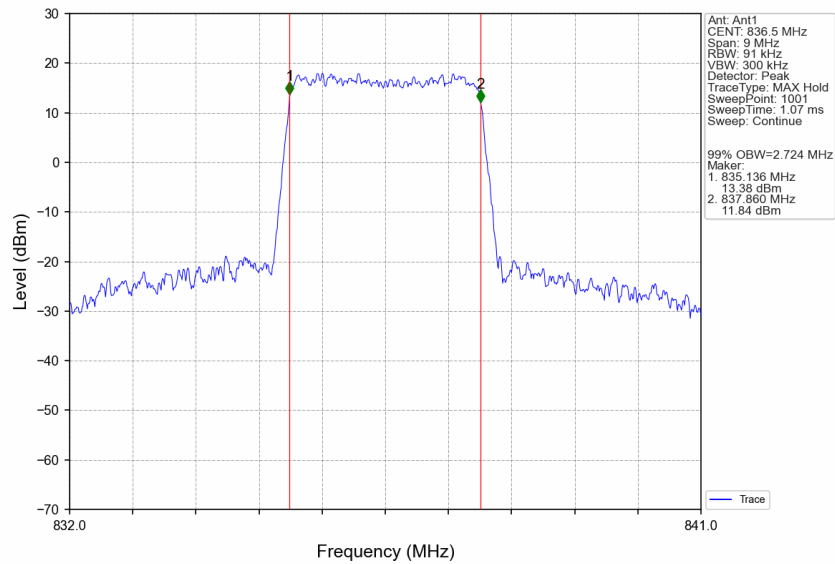
3.2.1 Band5_OBW



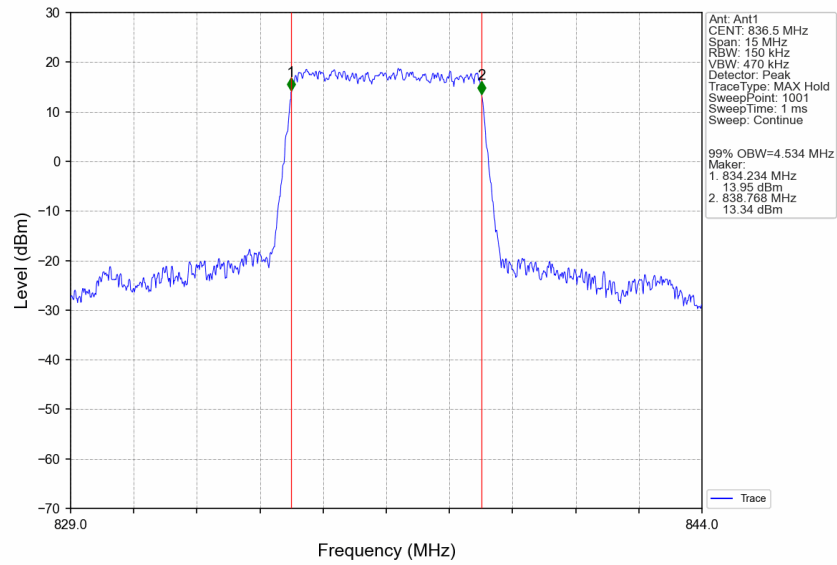
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



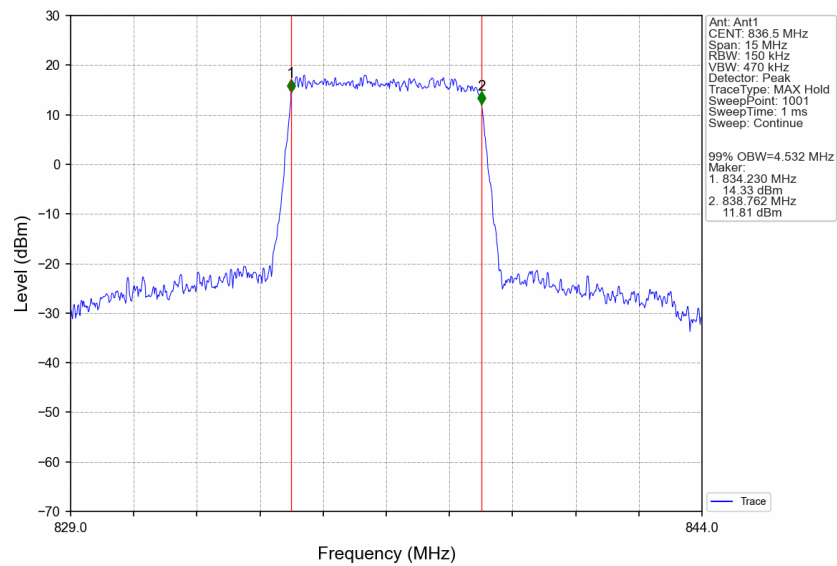
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



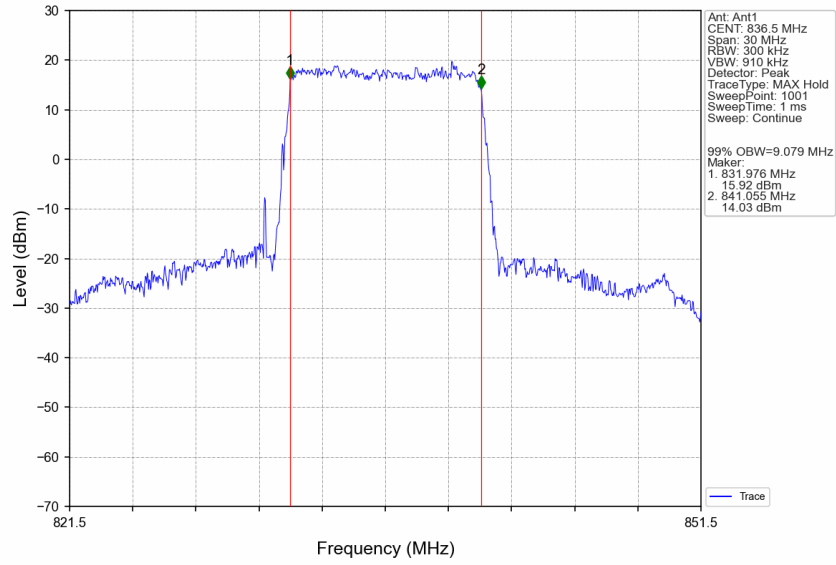
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



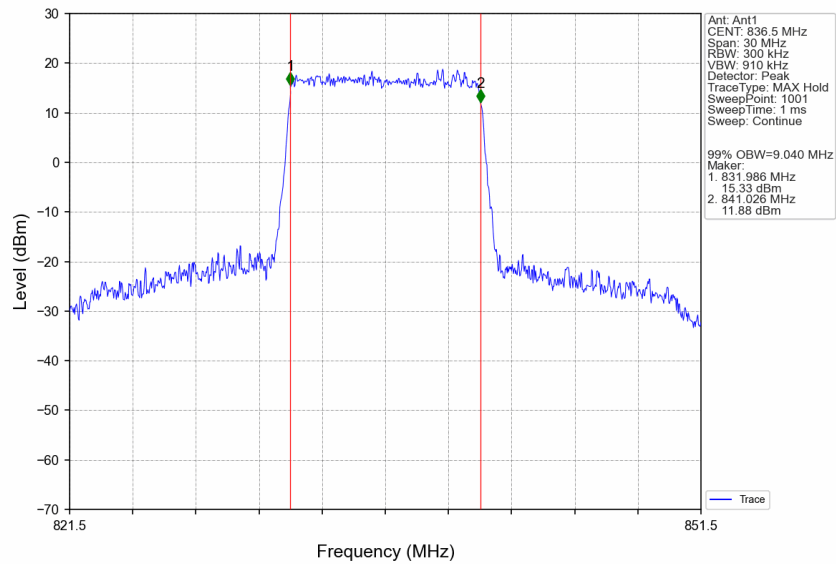
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



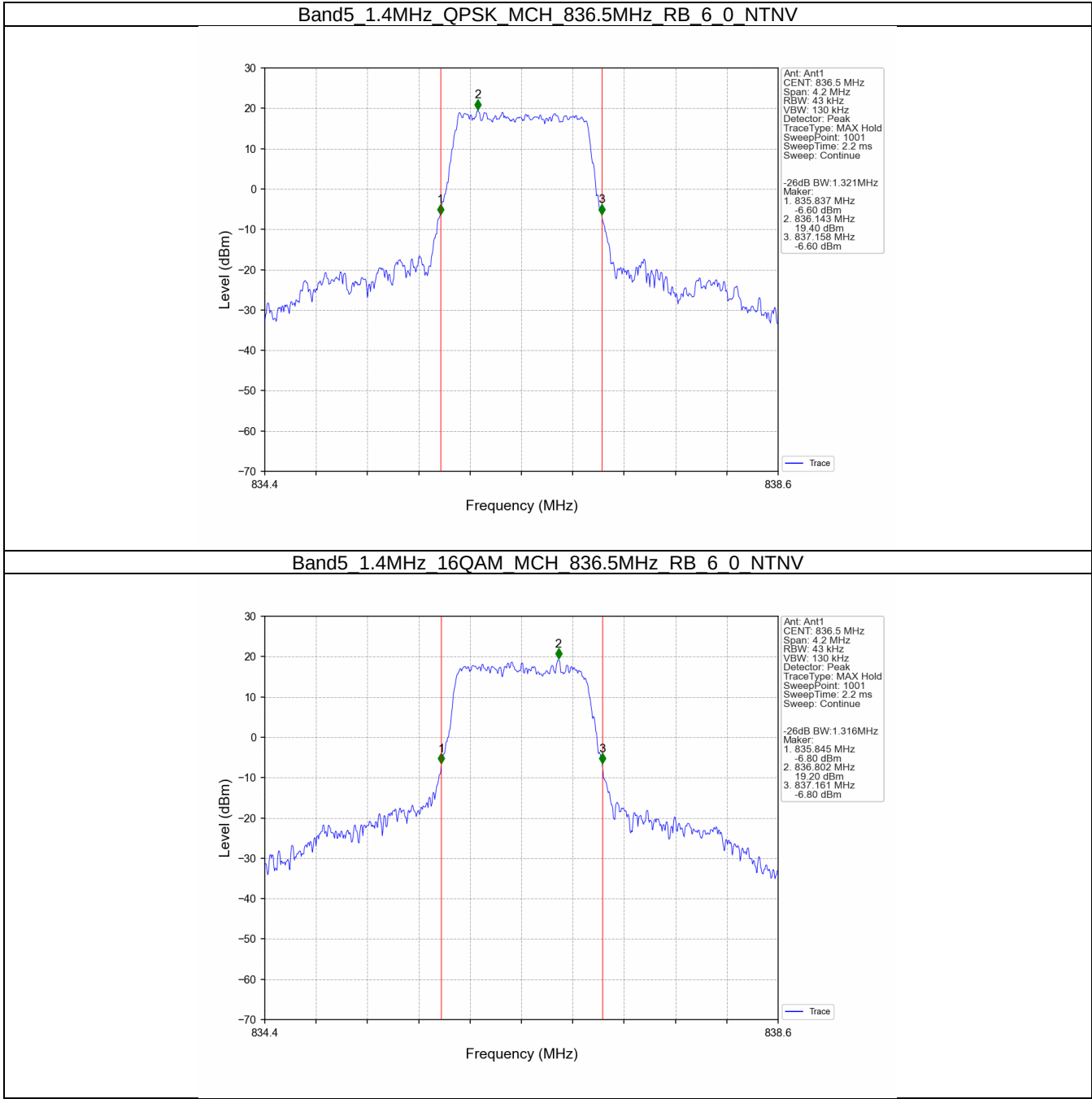
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



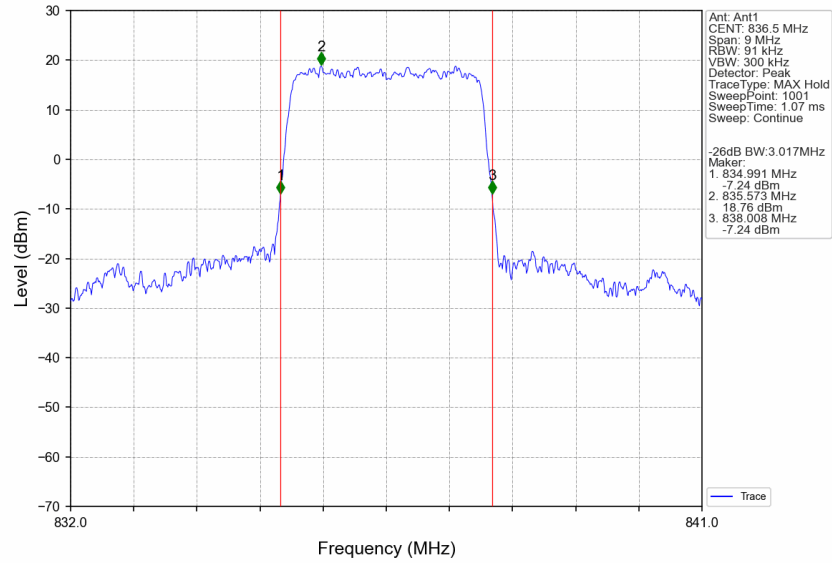
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



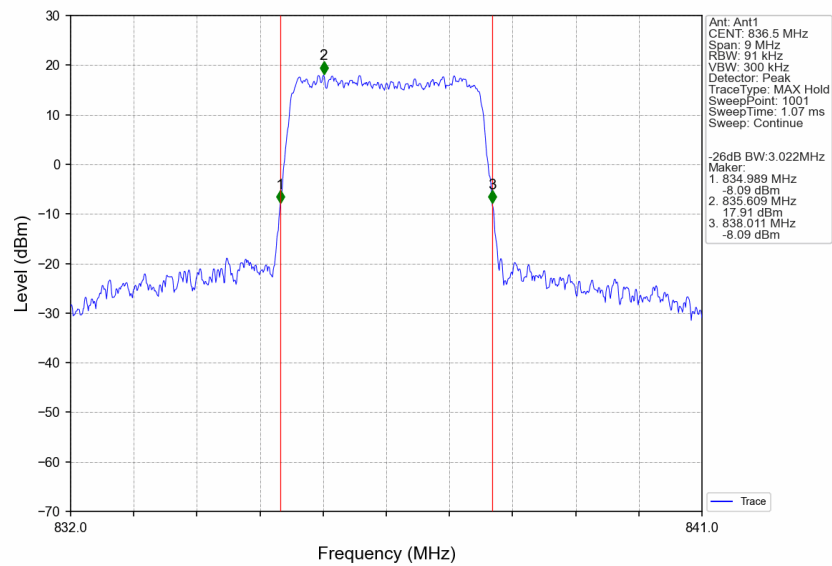
3.2.2 Band5_XDB



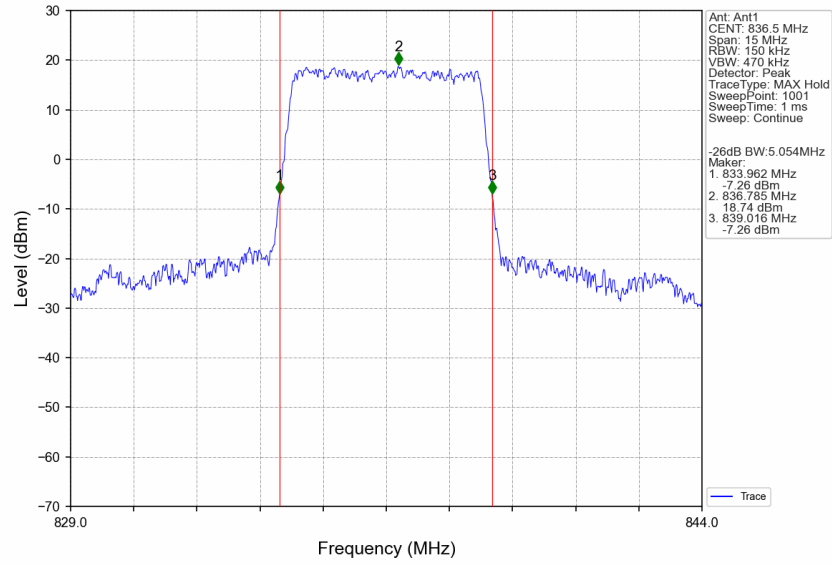
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



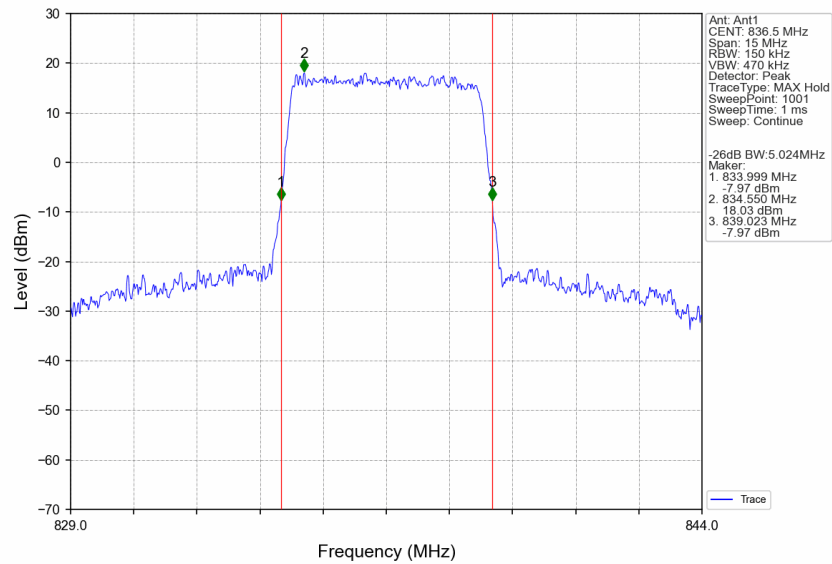
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



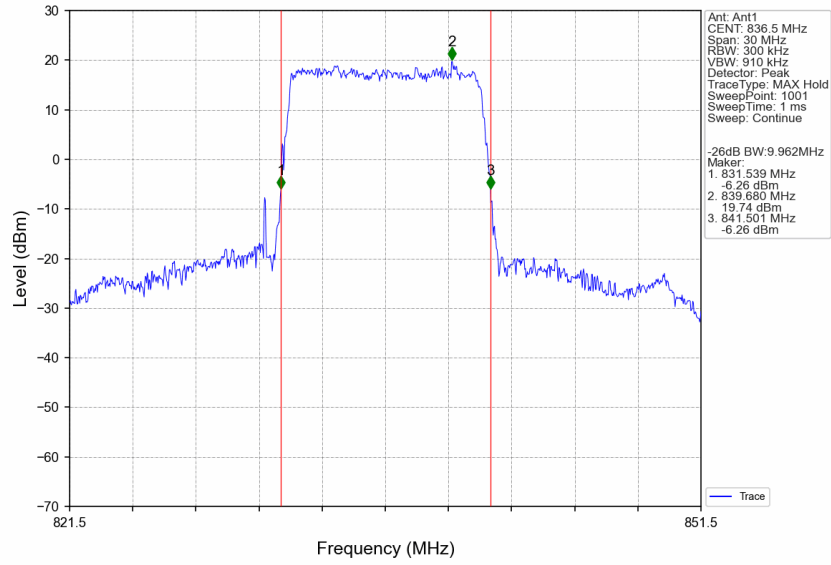
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



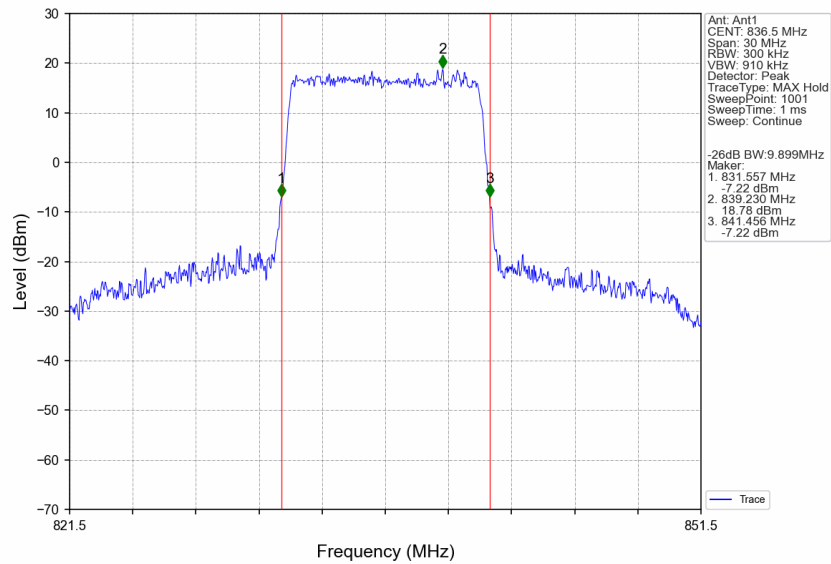
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

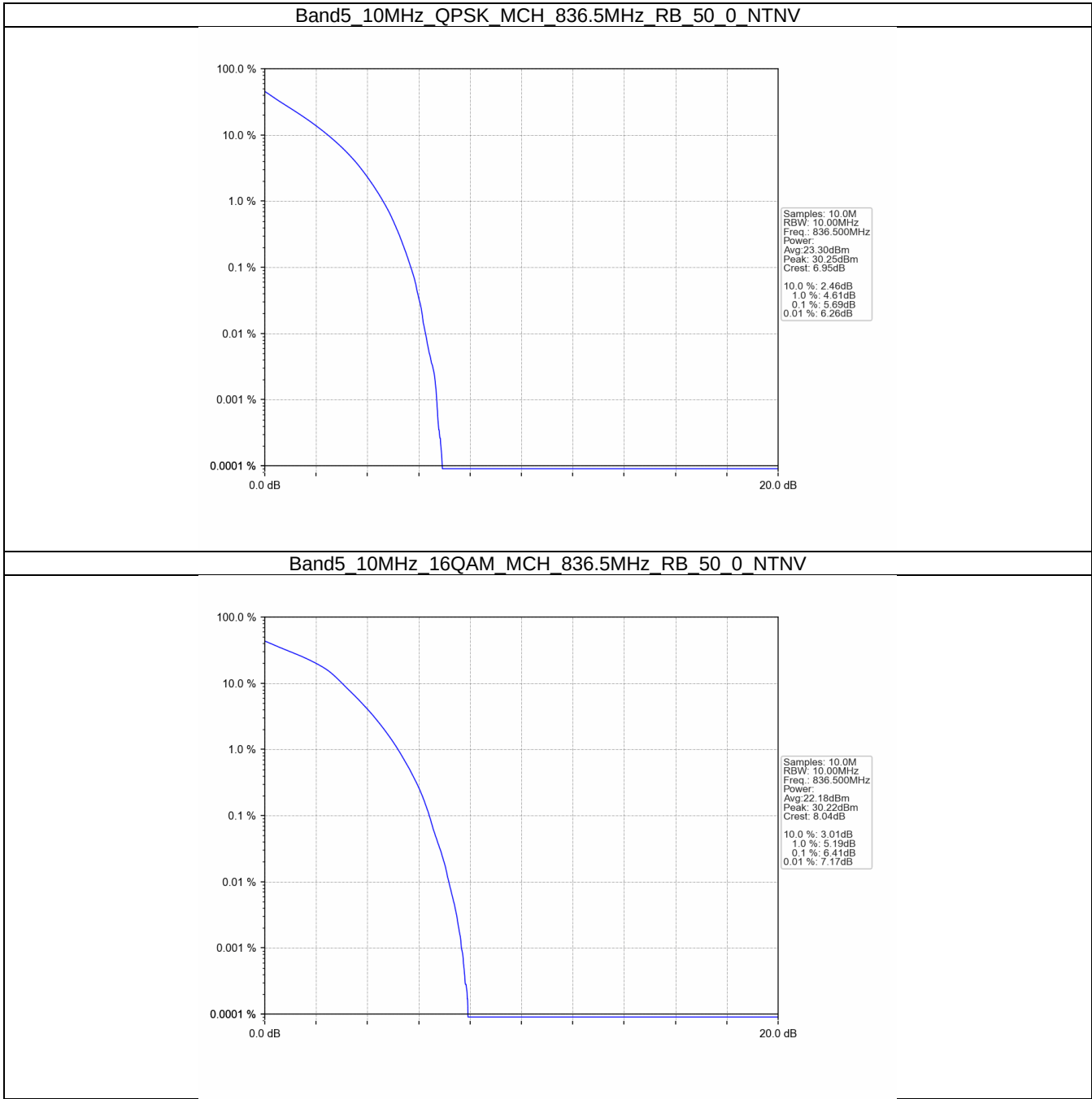
4.1 Test Result

4.1.1 B5_10MHz

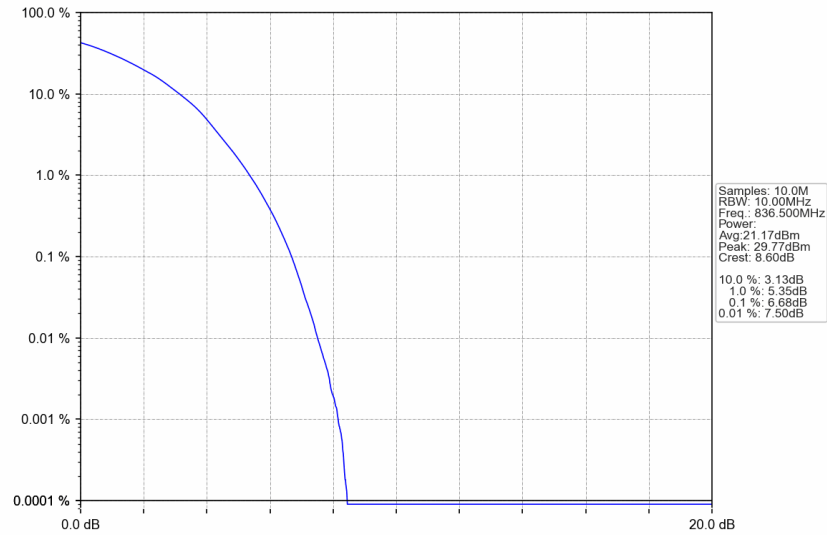
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.69	<=13	Pass
16QAM	836.5	50	0	6.41	<=13	Pass
64QAM	836.5	50	0	6.68	<=13	Pass
256QAM	836.5	50	0	6.85	<=13	Pass

4.2 Test Graph

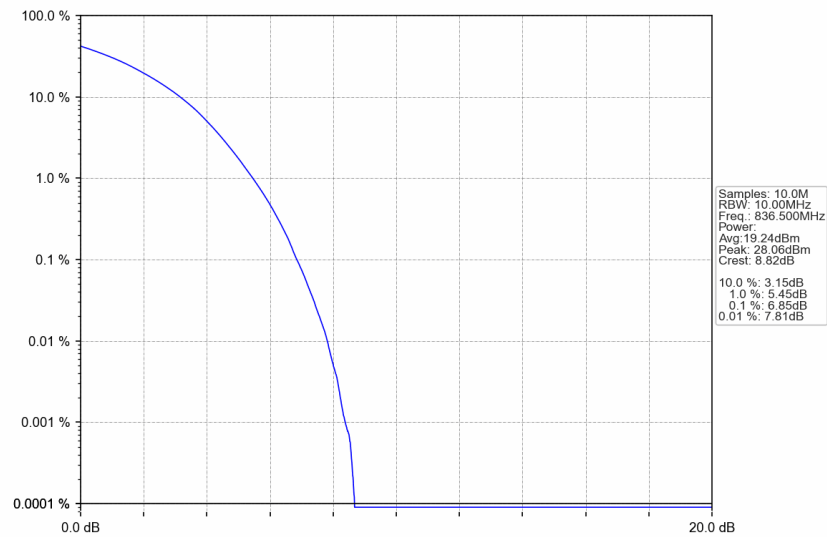
4.2.1 B5_10MHz



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

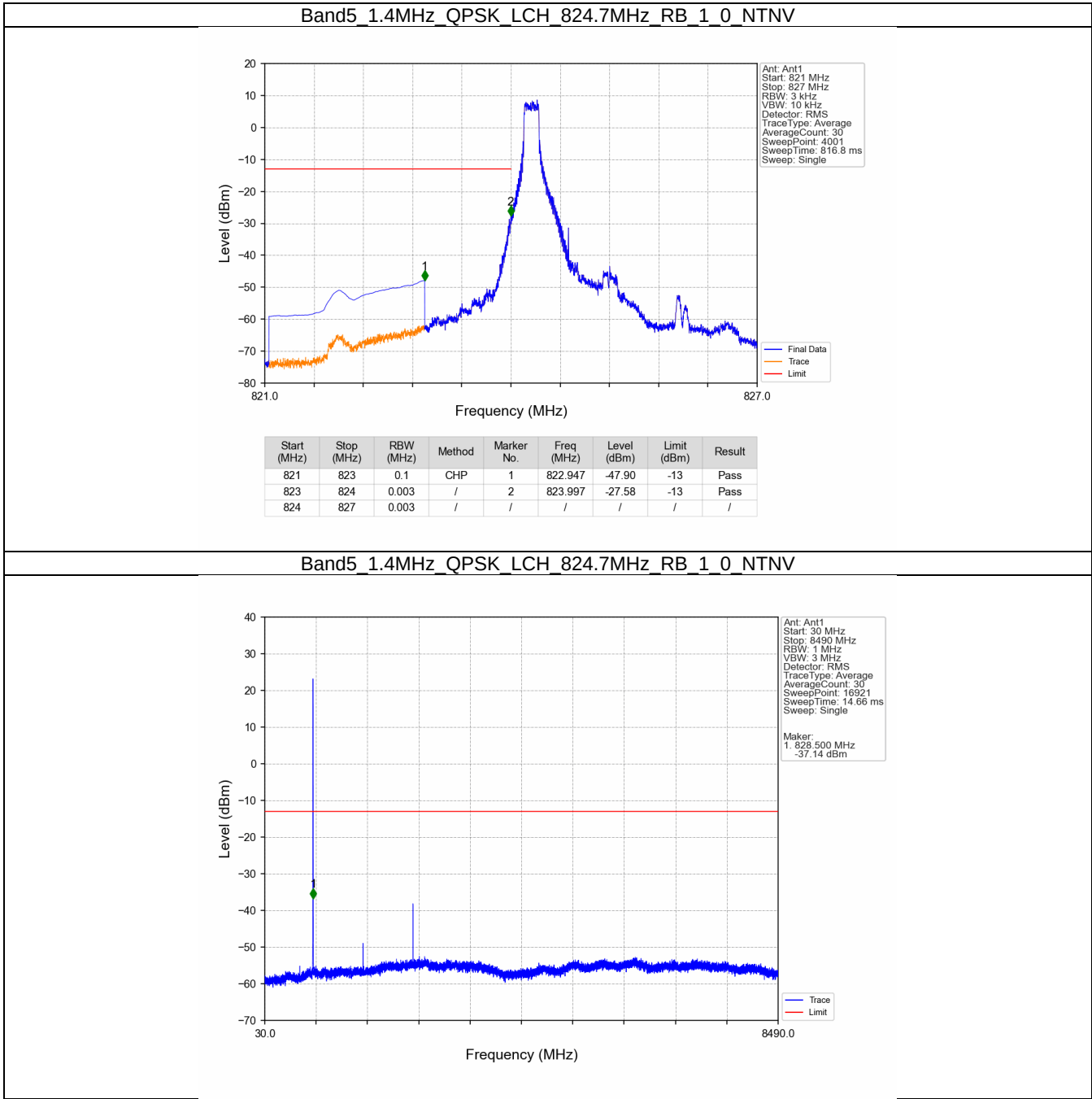
5.1.4 B5_10MHz

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

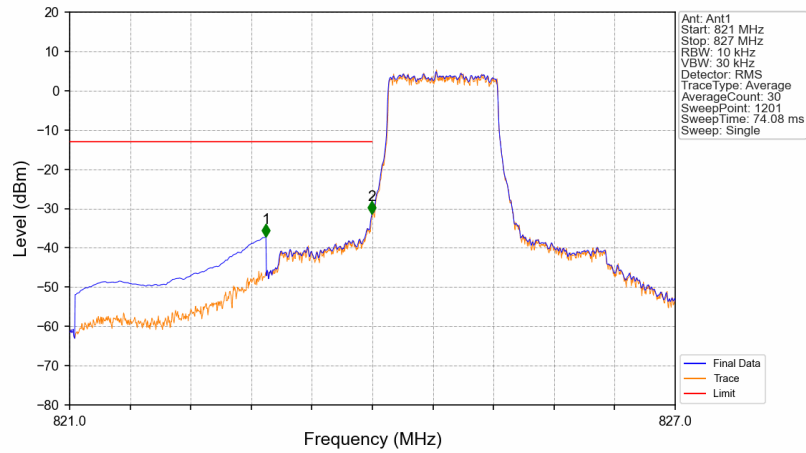
		50	0	Refer To Test Graph	Pass
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5.2 Test Graph

5.2.1 B5_1.4MHz

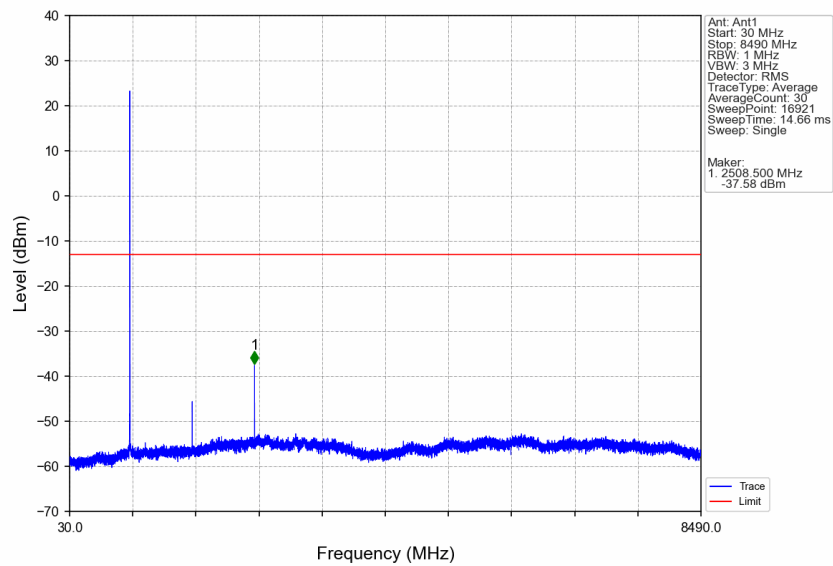


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

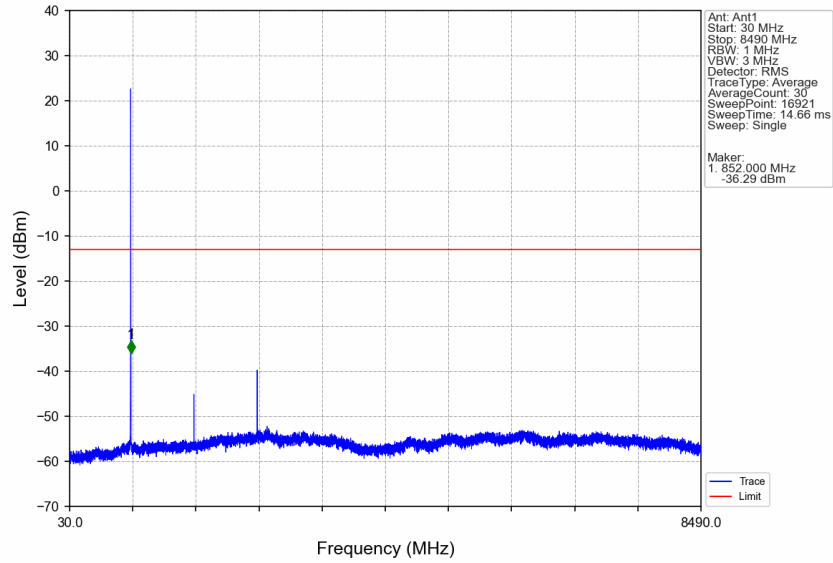


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.17	-13	Pass
823	824	0.013	CHP	2	823.995	-31.27	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

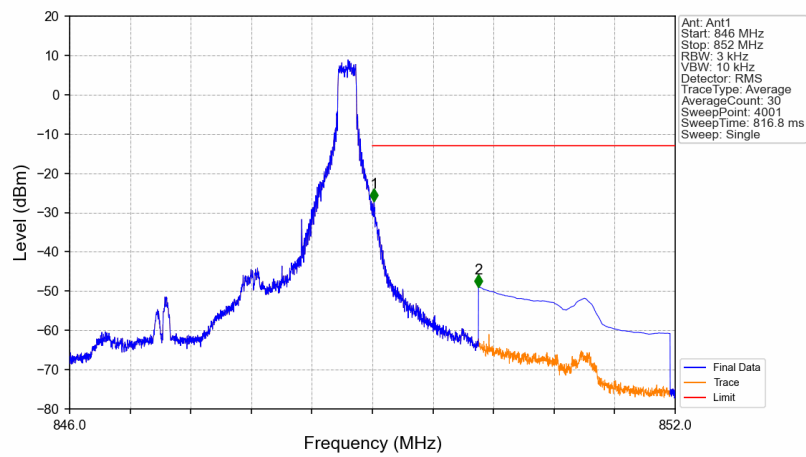
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0 NTNV

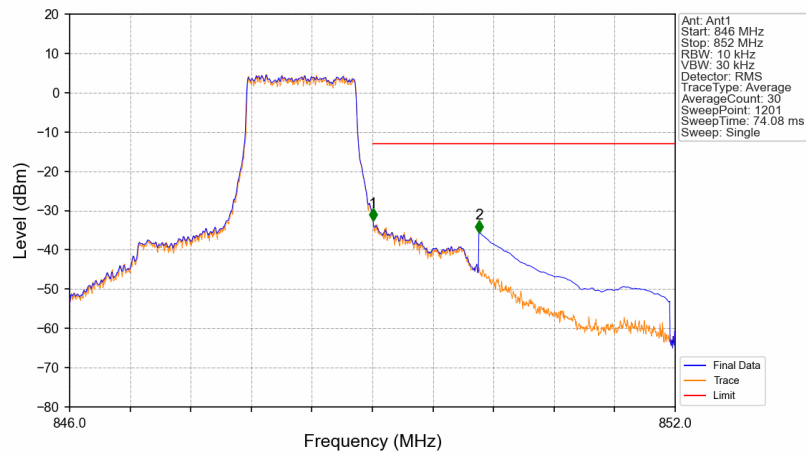


Band5 1.4MHz QPSK HCH 848.3MHz RB 1_5 NTNV



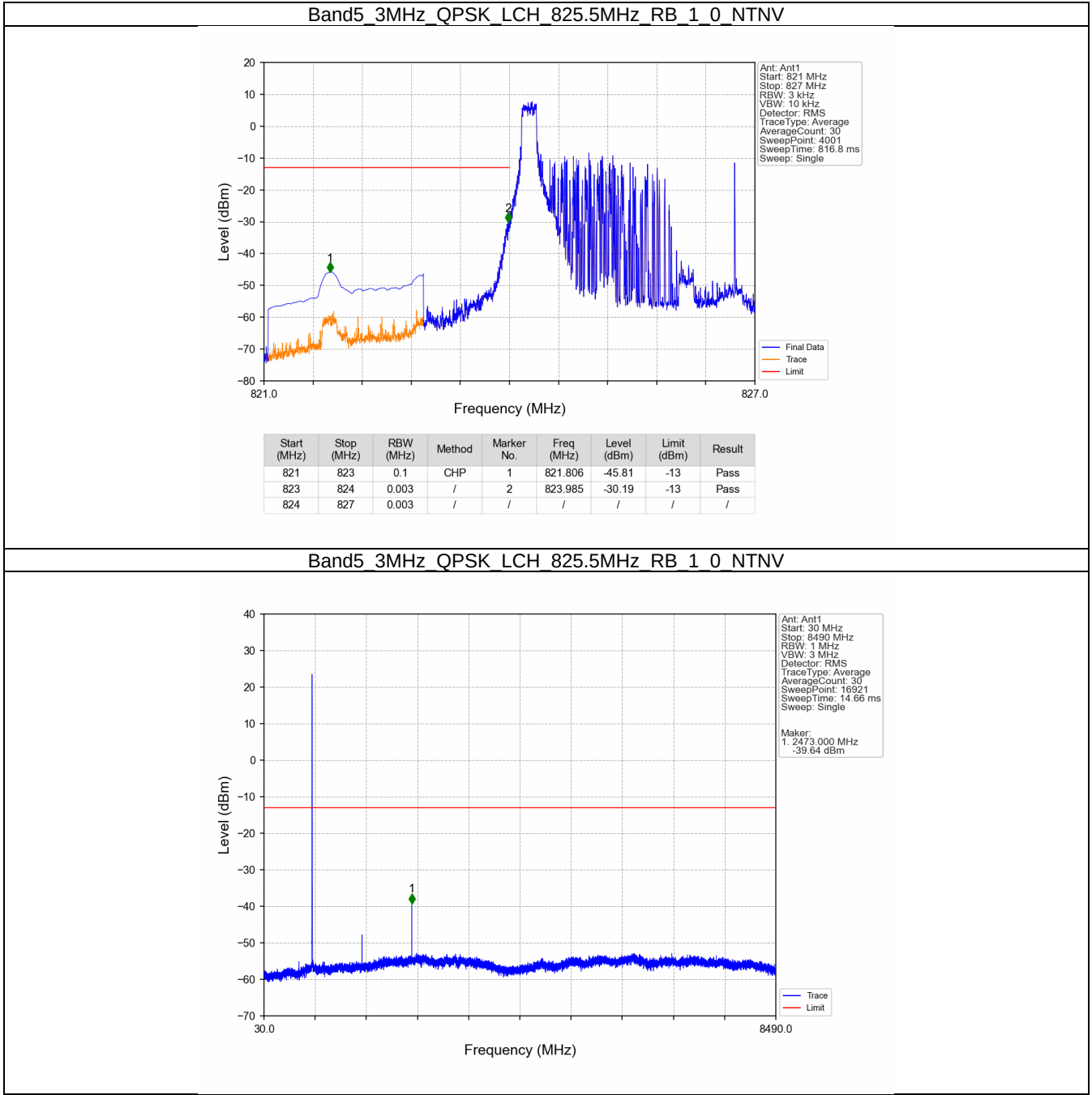
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.016	-27.19	-13	Pass
850	852	0.1	CHP	2	850.053	-48.97	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV

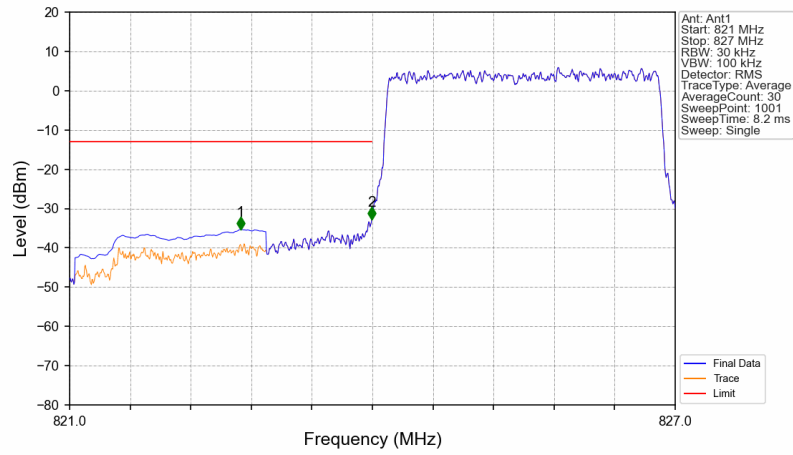


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-32.67	-13	Pass
850	852	0.1	CHP	2	850.055	-35.59	-13	Pass

5.2.2 B5_3MHz

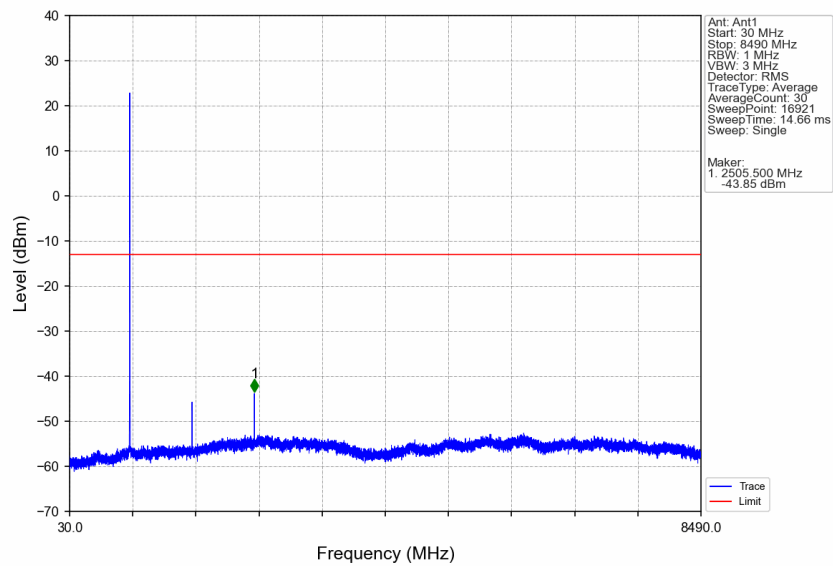


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

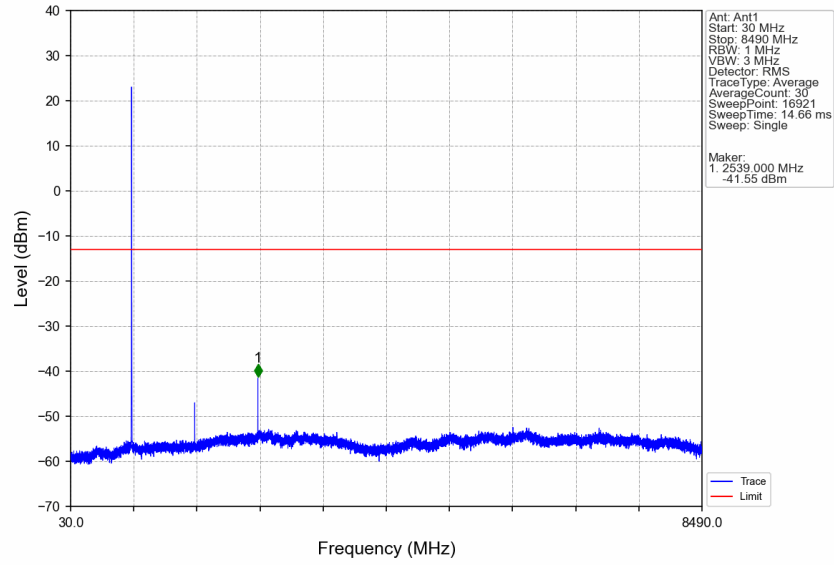


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.692	-35.35	-13	Pass
823	824	0.03	/	2	823.994	-32.77	-13	Pass
824	827	0.03	/	/	/	/	/	/

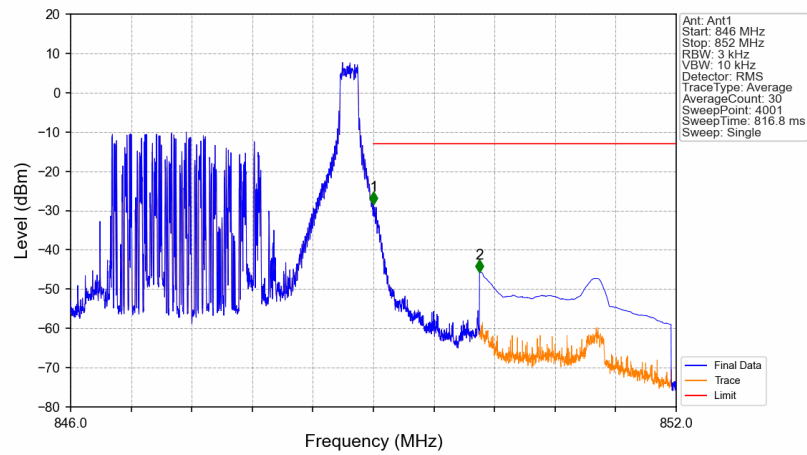
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

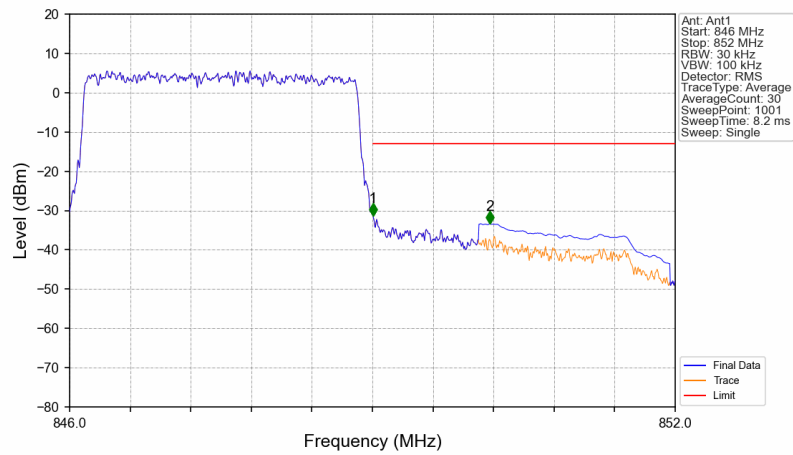


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



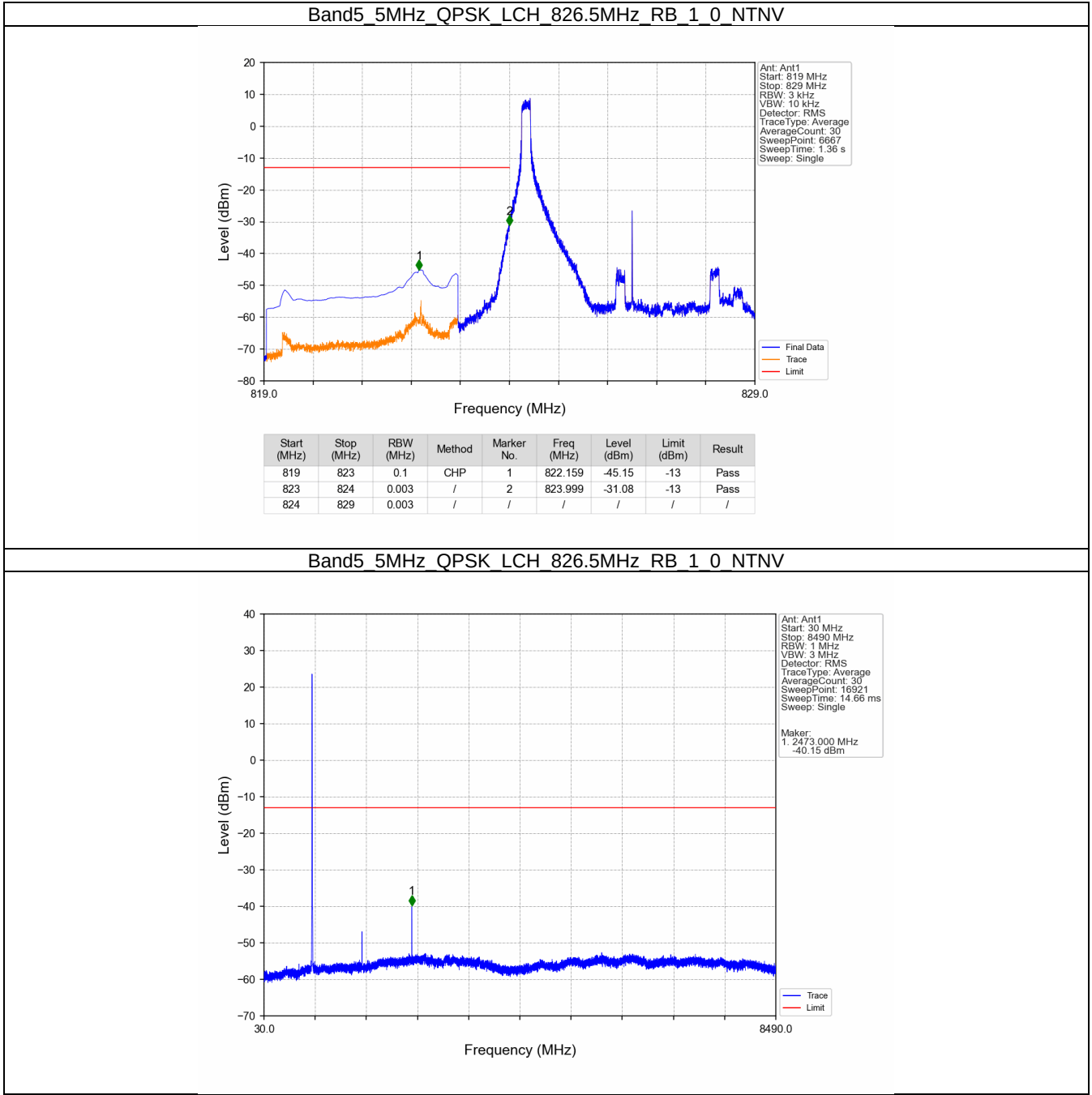
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-28.47	-13	Pass
850	852	0.1	CHP	2	850.052	-45.73	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV

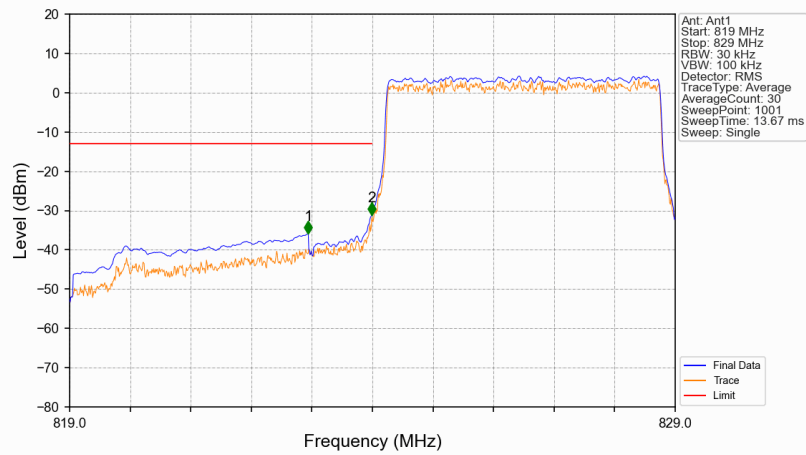


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-31.23	-13	Pass
850	852	0.1	CHP	2	850.164	-33.36	-13	Pass

5.2.3 B5_5MHz

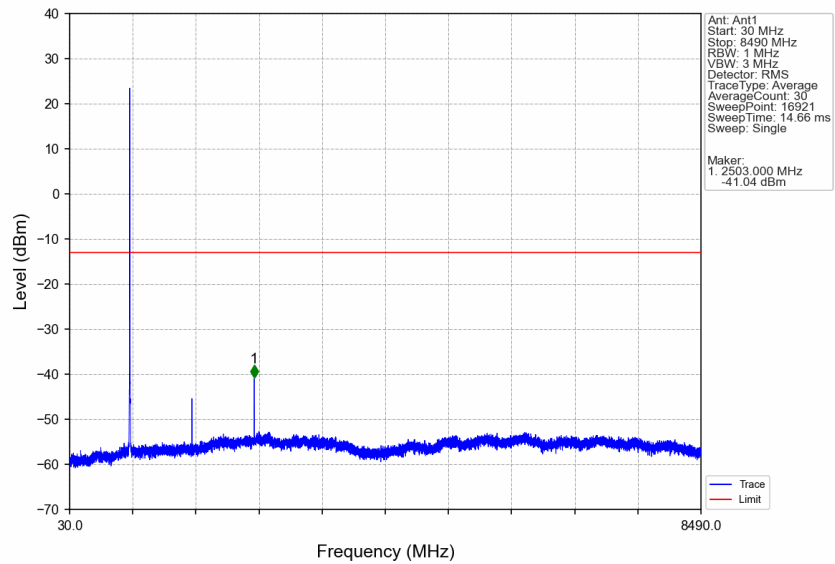


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

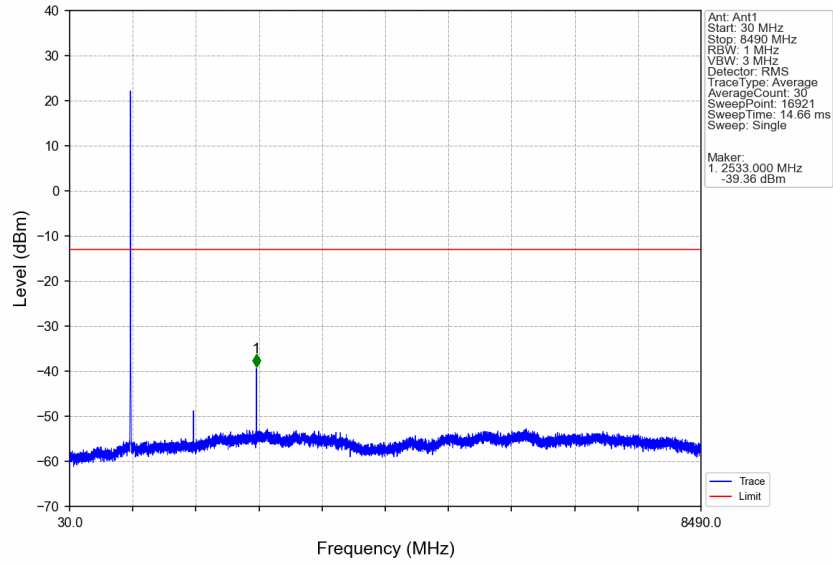


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-35.88	-13	Pass
823	824	0.051	CHP	2	823.990	-31.08	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

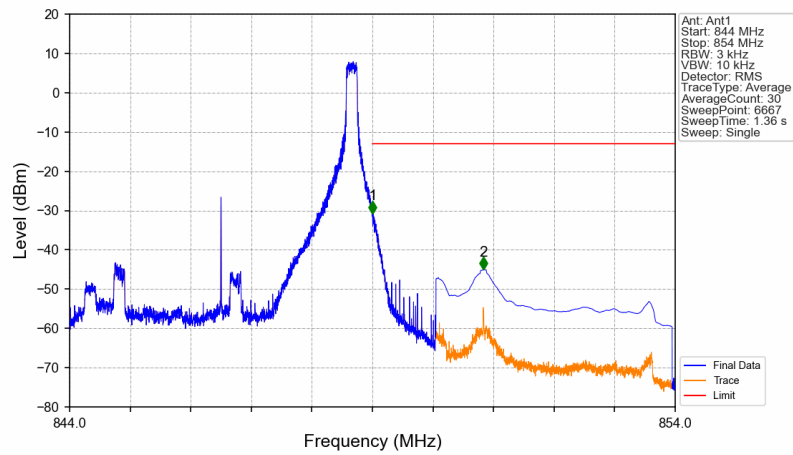
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

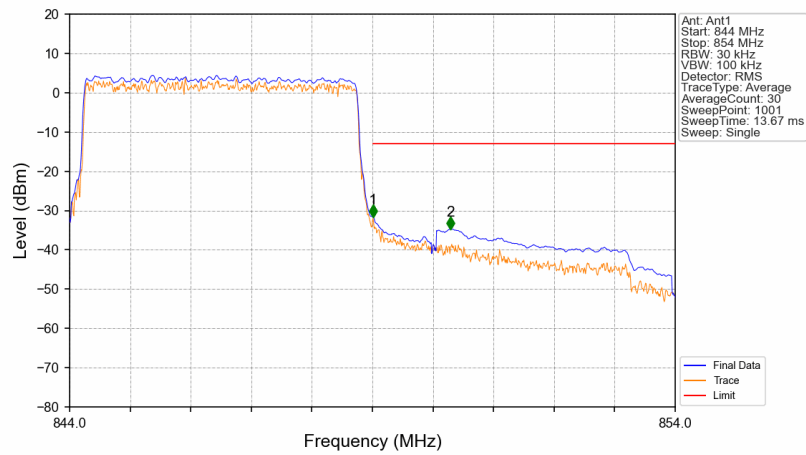


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



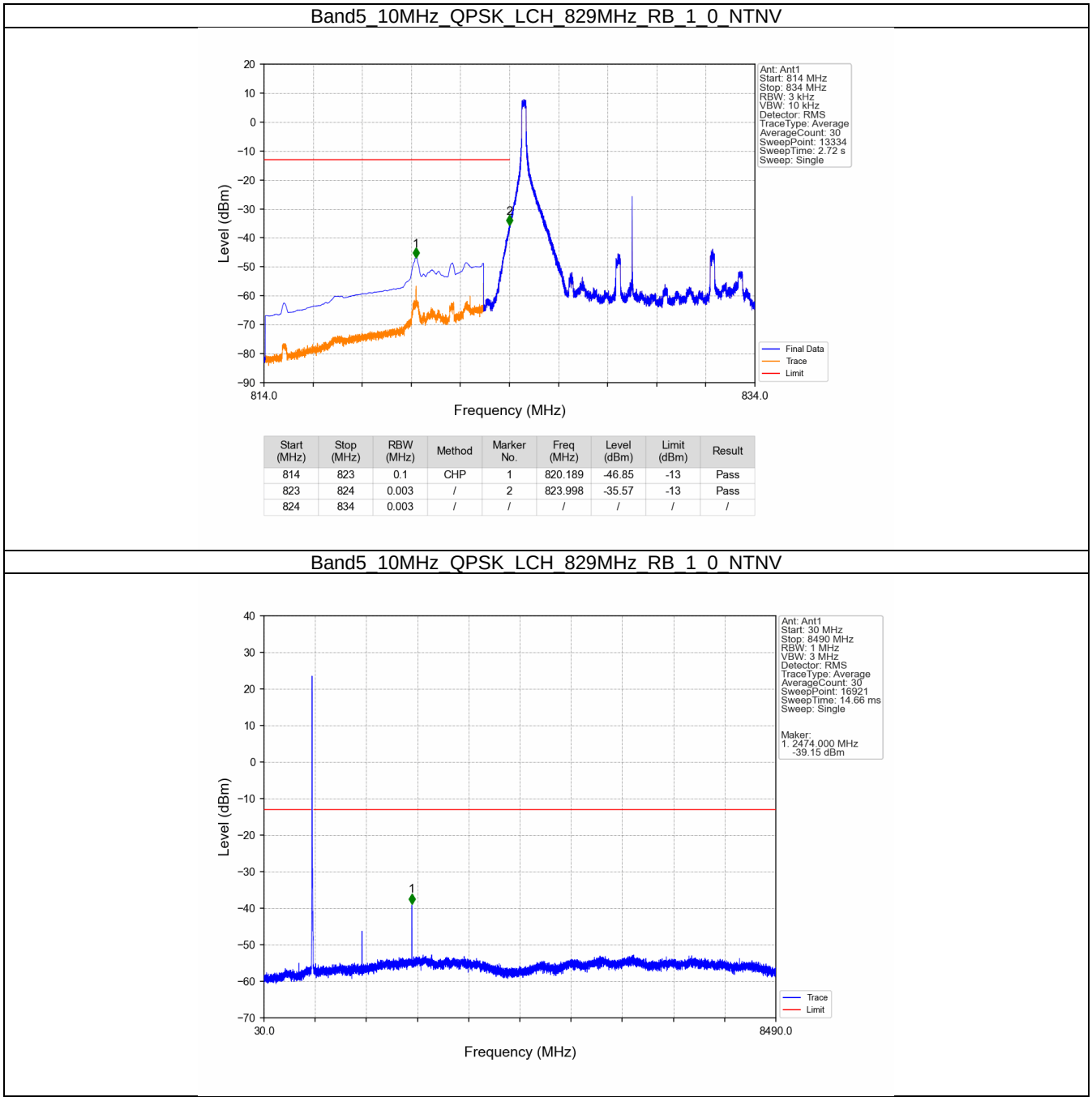
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.68	-13	Pass
850	854	0.1	CHP	2	850.838	-45.02	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV

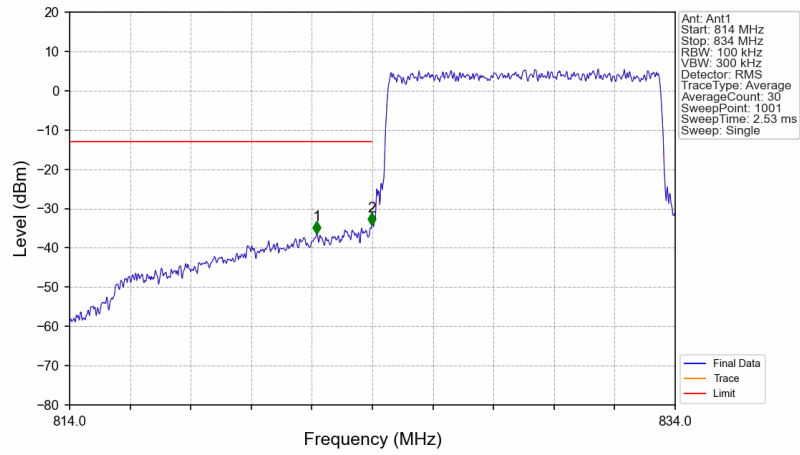


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-31.62	-13	Pass
850	854	0.1	CHP	2	850.290	-34.71	-13	Pass

5.2.4 B5_10MHz

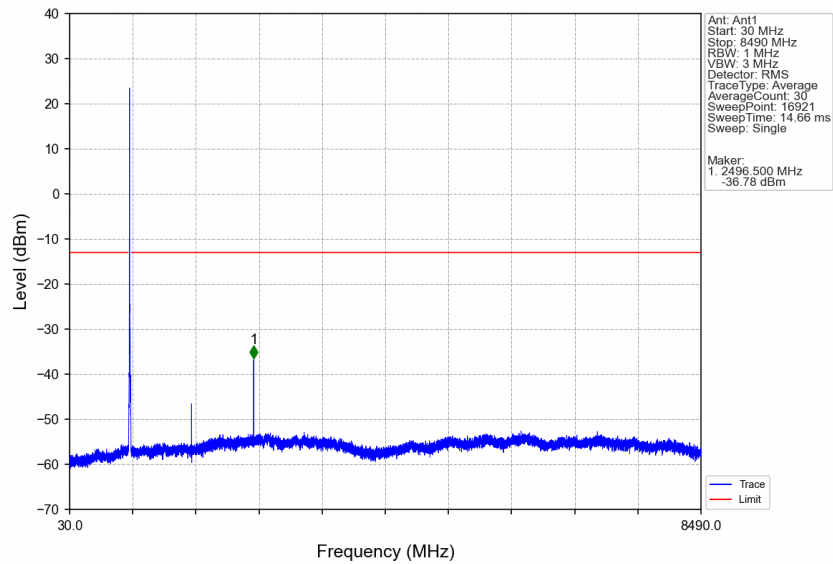


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

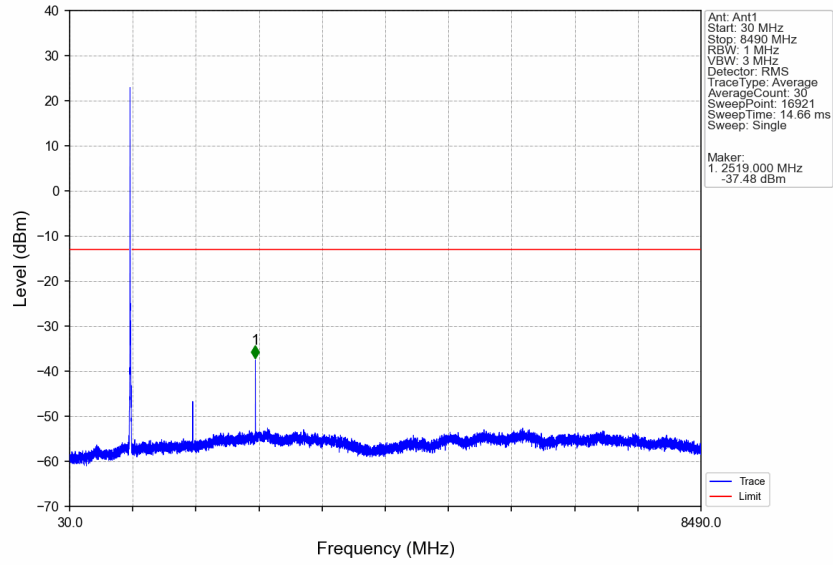


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.160	-36.46	-13	Pass
823	824	0.1	/	2	823.980	-34.20	-13	Pass
824	834	0.1	/	/	/	/	/	/

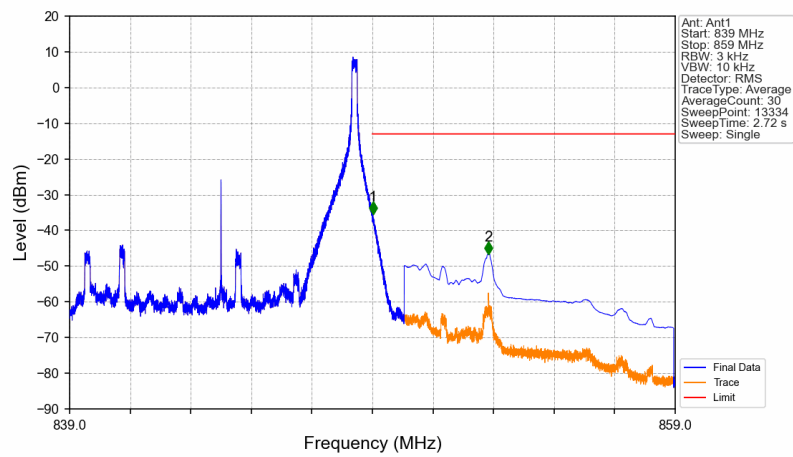
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

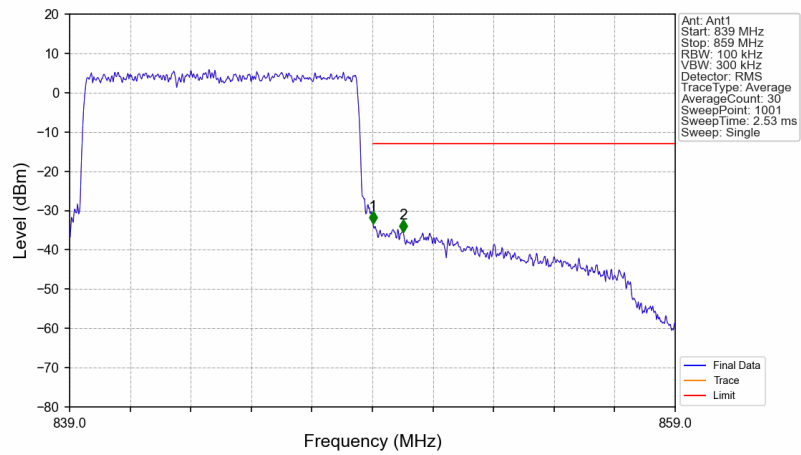


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.017	-35.37	-13	Pass
850	859	0.1	CHP	2	852.835	-46.66	-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	849.020	-33.40	-13	Pass
850	859	0.1	/	2	850.020	-35.45	-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	53.63	-48.22	25.45	-64.40	-13.00	51.40	Horizontal
2	2473.7143	45.48	-47.32	27.15	-69.95	-13.00	56.95	Horizontal
3	3168	43.45	-46.44	28.27	-69.98	-13.00	56.98	Horizontal
4	4087.4286	42.96	-45.94	29.61	-68.63	-13.00	55.63	Horizontal
5	5449.1429	42.90	-45.05	32.21	-65.21	-13.00	52.21	Horizontal
6	6740	41.81	-44.08	34.53	-63.00	-13.00	50.00	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1429	52.91	-48.22	25.45	-65.12	-13.00	52.12	Vertical
2	2473.7143	46.09	-47.32	27.15	-69.34	-13.00	56.34	Vertical
3	3298.2857	44.82	-46.67	28.40	-68.72	-13.00	55.72	Vertical
4	4360.5714	42.96	-45.85	30.27	-67.88	-13.00	54.88	Vertical
5	5488	42.81	-45.12	32.28	-65.29	-13.00	52.29	Vertical
6	6950.2857	41.92	-43.87	34.91	-62.30	-13.00	49.30	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	55.37	-48.20	25.46	-62.63	-13.00	49.63	Horizontal
2	2496.5714	45.21	-47.28	27.19	-70.13	-13.00	57.13	Horizontal
3	3827.4286	43.48	-46.18	29.12	-68.84	-13.00	55.84	Horizontal
4	5408	42.98	-44.98	32.13	-65.13	-13.00	52.13	Horizontal
5	6995.4286	41.59	-43.60	34.99	-62.28	-13.00	49.28	Horizontal
6	8011.4286	40.66	-42.37	37.09	-59.88	-13.00	46.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	55.59	-48.20	25.46	-62.41	-13.00	49.41	Vertical
2	2496.5714	44.61	-47.28	27.19	-70.73	-13.00	57.73	Vertical
3	3266.8571	43.64	-46.55	28.37	-69.80	-13.00	56.80	Vertical
4	4557.1429	43.67	-45.71	30.69	-66.61	-13.00	53.61	Vertical
5	5476	43.04	-45.10	32.26	-65.06	-13.00	52.06	Vertical
6	6845.7143	42.40	-44.14	34.72	-62.28	-13.00	49.28	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	56.09	-48.18	25.48	-61.88	-13.00	48.88	Horizontal
2	2370.2857	44.02	-47.46	26.94	-71.76	-13.00	58.76	Horizontal
3	3213.7143	43.56	-46.34	28.31	-69.73	-13.00	56.73	Horizontal
4	4582.2857	43.73	-45.76	30.73	-66.55	-13.00	53.55	Horizontal
5	5453.1429	42.79	-45.06	32.22	-65.31	-13.00	52.31	Horizontal
6	6798.2857	42.62	-44.12	34.64	-62.12	-13.00	49.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.4286	53.21	-48.18	25.48	-64.76	-13.00	51.76	Vertical
2	2464	43.80	-47.33	27.13	-71.67	-13.00	58.67	Vertical
3	3211.4286	43.43	-46.33	28.31	-69.85	-13.00	56.85	Vertical
4	4099.4286	43.19	-45.90	29.64	-68.33	-13.00	55.33	Vertical
5	5424	42.88	-45.01	32.16	-65.23	-13.00	52.23	Vertical
6	6753.1429	42.05	-44.09	34.56	-62.75	-13.00	49.75	Vertical

Test Band = LTE 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	4934.25	40.88	-45.57	31.29	-68.65	-13.00	55.65	Horizontal
2	6099.75	41.57	-44.45	32.74	-65.40	-13.00	52.40	Horizontal
3	6814.5	41.64	-44.16	34.67	-63.11	-13.00	50.11	Horizontal
4	8425.5	38.03	-41.49	36.84	-61.88	-13.00	48.88	Horizontal
5	10130.25	34.70	-39.23	38.51	-61.28	-13.00	48.28	Horizontal
6	12218.25	33.54	-37.48	39.17	-60.03	-13.00	47.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4280.25	41.48	-45.59	30.07	-69.29	-13.00	56.29	Vertical
2	5415	41.50	-45.29	32.15	-66.90	-13.00	53.90	Vertical
3	6972	40.43	-43.70	34.95	-63.58	-13.00	50.58	Vertical
4	8493.75	37.93	-41.61	36.80	-62.14	-13.00	49.14	Vertical
5	10110.75	34.70	-39.16	38.51	-61.21	-13.00	48.21	Vertical
6	12745.5	32.93	-36.75	39.32	-59.75	-13.00	46.75	Vertical

Test Band = LTE 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	4547.25	42.38	-45.69	30.68	-67.90	-13.00	54.90	Horizontal
2	5952.75	40.98	-44.90	32.39	-66.79	-13.00	53.79	Horizontal
3	6964.5	40.43	-43.75	34.94	-63.64	-13.00	50.64	Horizontal
4	8931.75	37.53	-41.16	36.54	-62.35	-13.00	49.35	Horizontal
5	11217	33.04	-37.40	38.71	-60.91	-13.00	47.91	Horizontal
6	12255.75	33.17	-37.45	39.18	-60.36	-13.00	47.36	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4065	42.07	-45.86	29.56	-69.49	-13.00	56.49	Vertical
2	5052	42.00	-45.50	31.49	-67.27	-13.00	54.27	Vertical
3	6147.75	41.44	-44.60	32.90	-65.52	-13.00	52.52	Vertical
4	7041	40.29	-43.82	35.11	-63.68	-13.00	50.68	Vertical
5	8936.25	37.83	-41.15	36.54	-62.04	-13.00	49.04	Vertical
6	10101	34.68	-39.12	38.51	-61.19	-13.00	48.19	Vertical

Test Band = LTE 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	4254	41.59	-45.65	30.01	-69.31	-13.00	56.31	Horizontal
2	5556	41.71	-45.14	32.31	-66.38	-13.00	53.38	Horizontal
3	6484.5	40.94	-44.58	34.05	-64.85	-13.00	51.85	Horizontal
4	7859.25	39.70	-42.61	36.90	-61.27	-13.00	48.27	Horizontal
5	11181	33.13	-37.50	38.69	-60.94	-13.00	47.94	Horizontal
6	13411.5	33.08	-36.39	39.98	-58.60	-13.00	45.60	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4369.5	41.79	-45.73	30.29	-68.92	-13.00	55.92	Vertical
2	5432.25	41.60	-45.28	32.18	-66.76	-13.00	53.76	Vertical
3	6822.75	40.65	-44.15	34.68	-64.08	-13.00	51.08	Vertical
4	7977.75	39.50	-42.45	37.07	-61.15	-13.00	48.15	Vertical
5	11117.25	32.74	-37.87	38.66	-61.73	-13.00	48.73	Vertical
6	13878.75	31.94	-35.65	40.63	-58.34	-13.00	45.34	Vertical