

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	24.65	0.50	23.00	<=38.45	Pass
			2	24.70	0.50	23.05	<=38.45	Pass
			5	24.57	0.50	22.92	<=38.45	Pass
		3	0	24.72	0.50	23.07	<=38.45	Pass
			2	24.63	0.50	22.98	<=38.45	Pass
			3	24.65	0.50	23.00	<=38.45	Pass
		6	0	23.71	0.50	22.06	<=38.45	Pass
	836.5	1	0	24.55	0.50	22.90	<=38.45	Pass
			2	24.95	0.50	23.30	<=38.45	Pass
			5	24.68	0.50	23.03	<=38.45	Pass
		3	0	24.64	0.50	22.99	<=38.45	Pass
			2	24.63	0.50	22.98	<=38.45	Pass
			3	24.66	0.50	23.01	<=38.45	Pass
		6	0	23.55	0.50	21.90	<=38.45	Pass
	848.3	1	0	24.81	0.50	23.16	<=38.45	Pass
			2	24.83	0.50	23.18	<=38.45	Pass
			5	24.78	0.50	23.13	<=38.45	Pass
		3	0	24.81	0.50	23.16	<=38.45	Pass
			2	24.90	0.50	23.25	<=38.45	Pass
			3	24.83	0.50	23.18	<=38.45	Pass
		6	0	23.87	0.50	22.22	<=38.45	Pass
16QAM	824.7	1	0	23.93	0.50	22.28	<=38.45	Pass
			2	24.06	0.50	22.41	<=38.45	Pass
			5	24.01	0.50	22.36	<=38.45	Pass
		3	0	23.83	0.50	22.18	<=38.45	Pass
			2	23.85	0.50	22.20	<=38.45	Pass
			3	23.80	0.50	22.15	<=38.45	Pass
		6	0	22.68	0.50	21.03	<=38.45	Pass
	836.5	1	0	23.90	0.50	22.25	<=38.45	Pass
			2	24.18	0.50	22.53	<=38.45	Pass
			5	23.98	0.50	22.33	<=38.45	Pass
		3	0	23.79	0.50	22.14	<=38.45	Pass
			2	23.84	0.50	22.19	<=38.45	Pass
			3	23.77	0.50	22.12	<=38.45	Pass
		6	0	22.70	0.50	21.05	<=38.45	Pass
	848.3	1	0	24.14	0.50	22.49	<=38.45	Pass
			2	24.21	0.50	22.56	<=38.45	Pass
			5	24.19	0.50	22.54	<=38.45	Pass
		3	0	24.04	0.50	22.39	<=38.45	Pass
			2	24.01	0.50	22.36	<=38.45	Pass
			3	23.97	0.50	22.32	<=38.45	Pass
		6	0	22.90	0.50	21.25	<=38.45	Pass
64QAM	824.7	1	0	23.84	0.50	22.19	<=38.45	Pass
			2	23.91	0.50	22.26	<=38.45	Pass
			5	23.64	0.50	21.99	<=38.45	Pass
		3	0	23.81	0.50	22.16	<=38.45	Pass
			2	23.75	0.50	22.10	<=38.45	Pass
			3	23.72	0.50	22.07	<=38.45	Pass
		6	0	22.76	0.50	21.11	<=38.45	Pass
	836.5	1	0	23.72	0.50	22.07	<=38.45	Pass
			2	23.83	0.50	22.18	<=38.45	Pass
			5	23.76	0.50	22.11	<=38.45	Pass
		3	0	23.66	0.50	22.01	<=38.45	Pass
			2	23.74	0.50	22.09	<=38.45	Pass

			3	23.71	0.50	22.06	<=38.45	Pass
		6	0	22.50	0.50	20.85	<=38.45	Pass
	848.3	1	0	24.04	0.50	22.39	<=38.45	Pass
			2	23.91	0.50	22.26	<=38.45	Pass
			5	24.02	0.50	22.37	<=38.45	Pass
		3	0	23.96	0.50	22.31	<=38.45	Pass
			2	23.89	0.50	22.24	<=38.45	Pass
			3	23.97	0.50	22.32	<=38.45	Pass
		6	0	22.90	0.50	21.25	<=38.45	Pass
	256QAM	824.7	1	0	19.67	0.50	18.02	<=38.45
2				19.69	0.50	18.04	<=38.45	Pass
5				19.78	0.50	18.13	<=38.45	Pass
3			0	19.79	0.50	18.14	<=38.45	Pass
			2	19.81	0.50	18.16	<=38.45	Pass
			3	19.73	0.50	18.08	<=38.45	Pass
6			0	19.61	0.50	17.96	<=38.45	Pass
836.5		1	0	19.72	0.50	18.07	<=38.45	Pass
			2	19.76	0.50	18.11	<=38.45	Pass
			5	19.67	0.50	18.02	<=38.45	Pass
		3	0	19.68	0.50	18.03	<=38.45	Pass
			2	19.77	0.50	18.12	<=38.45	Pass
			3	19.72	0.50	18.07	<=38.45	Pass
		6	0	19.66	0.50	18.01	<=38.45	Pass
848.3		1	0	19.70	0.50	18.05	<=38.45	Pass
			2	19.93	0.50	18.28	<=38.45	Pass
			5	19.97	0.50	18.32	<=38.45	Pass
		3	0	19.89	0.50	18.24	<=38.45	Pass
			2	19.92	0.50	18.27	<=38.45	Pass
			3	19.93	0.50	18.28	<=38.45	Pass
		6	0	19.83	0.50	18.18	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	24.76	0.50	23.11	<=38.45	Pass
			7	24.75	0.50	23.10	<=38.45	Pass
			14	24.60	0.50	22.95	<=38.45	Pass
		8	0	23.70	0.50	22.05	<=38.45	Pass
			4	23.69	0.50	22.04	<=38.45	Pass
			7	23.67	0.50	22.02	<=38.45	Pass
		15	0	23.77	0.50	22.12	<=38.45	Pass
	836.5	1	0	24.60	0.50	22.95	<=38.45	Pass
			7	24.67	0.50	23.02	<=38.45	Pass
			14	24.67	0.50	23.02	<=38.45	Pass
		8	0	23.65	0.50	22.00	<=38.45	Pass
			4	23.67	0.50	22.02	<=38.45	Pass
			7	23.68	0.50	22.03	<=38.45	Pass
		15	0	23.69	0.50	22.04	<=38.45	Pass
	847.5	1	0	24.79	0.50	23.14	<=38.45	Pass
			7	24.80	0.50	23.15	<=38.45	Pass
			14	24.83	0.50	23.18	<=38.45	Pass
		8	0	23.88	0.50	22.23	<=38.45	Pass
			4	23.91	0.50	22.26	<=38.45	Pass
			7	23.91	0.50	22.26	<=38.45	Pass
		15	0	23.97	0.50	22.32	<=38.45	Pass
16QAM	825.5	1	0	23.96	0.50	22.31	<=38.45	Pass
			7	24.04	0.50	22.39	<=38.45	Pass
			14	23.98	0.50	22.33	<=38.45	Pass
		8	0	22.79	0.50	21.14	<=38.45	Pass

		15	4	22.76	0.50	21.11	<=38.45	Pass
			7	22.67	0.50	21.02	<=38.45	Pass
			0	22.71	0.50	21.06	<=38.45	Pass
	836.5	1	0	23.91	0.50	22.26	<=38.45	Pass
			7	24.02	0.50	22.37	<=38.45	Pass
			14	23.97	0.50	22.32	<=38.45	Pass
		8	0	22.76	0.50	21.11	<=38.45	Pass
			4	22.77	0.50	21.12	<=38.45	Pass
			7	22.69	0.50	21.04	<=38.45	Pass
		15	0	22.64	0.50	20.99	<=38.45	Pass
	847.5	1	0	24.27	0.50	22.62	<=38.45	Pass
			7	24.30	0.50	22.65	<=38.45	Pass
			14	24.29	0.50	22.64	<=38.45	Pass
		8	0	22.87	0.50	21.22	<=38.45	Pass
			4	22.96	0.50	21.31	<=38.45	Pass
			7	22.94	0.50	21.29	<=38.45	Pass
64QAM	825.5	1	0	23.64	0.50	21.99	<=38.45	Pass
			7	23.85	0.50	22.20	<=38.45	Pass
			14	23.75	0.50	22.10	<=38.45	Pass
		8	0	22.76	0.50	21.11	<=38.45	Pass
			4	22.73	0.50	21.08	<=38.45	Pass
			7	22.72	0.50	21.07	<=38.45	Pass
		15	0	22.75	0.50	21.10	<=38.45	Pass
	836.5	1	0	23.72	0.50	22.07	<=38.45	Pass
			7	23.87	0.50	22.22	<=38.45	Pass
			14	23.72	0.50	22.07	<=38.45	Pass
		8	0	22.63	0.50	20.98	<=38.45	Pass
			4	22.76	0.50	21.11	<=38.45	Pass
			7	22.73	0.50	21.08	<=38.45	Pass
		15	0	22.65	0.50	21.00	<=38.45	Pass
	847.5	1	0	23.90	0.50	22.25	<=38.45	Pass
			7	23.98	0.50	22.33	<=38.45	Pass
			14	24.03	0.50	22.38	<=38.45	Pass
		8	0	22.88	0.50	21.23	<=38.45	Pass
			4	22.91	0.50	21.26	<=38.45	Pass
			7	22.90	0.50	21.25	<=38.45	Pass
256QAM	825.5	1	0	22.96	0.50	21.31	<=38.45	Pass
			7	22.96	0.50	21.31	<=38.45	Pass
			14	22.96	0.50	21.31	<=38.45	Pass
		8	0	19.80	0.50	18.15	<=38.45	Pass
			7	19.83	0.50	18.18	<=38.45	Pass
			14	19.66	0.50	18.01	<=38.45	Pass
	836.5	1	0	19.73	0.50	18.08	<=38.45	Pass
			4	19.73	0.50	18.08	<=38.45	Pass
			7	19.76	0.50	18.11	<=38.45	Pass
		8	0	19.70	0.50	18.05	<=38.45	Pass
			4	19.63	0.50	17.98	<=38.45	Pass
			7	19.73	0.50	18.08	<=38.45	Pass
	847.5	1	14	19.60	0.50	17.95	<=38.45	Pass
			0	19.63	0.50	17.98	<=38.45	Pass
			4	19.71	0.50	18.06	<=38.45	Pass
		8	7	19.72	0.50	18.07	<=38.45	Pass
			0	19.63	0.50	17.98	<=38.45	Pass
			4	19.77	0.50	18.12	<=38.45	Pass
	847.5	1	7	19.93	0.50	18.28	<=38.45	Pass
			14	19.91	0.50	18.26	<=38.45	Pass
			0	19.95	0.50	18.30	<=38.45	Pass
		8	4	19.96	0.50	18.31	<=38.45	Pass
			7	19.91	0.50	18.26	<=38.45	Pass
			0	19.97	0.50	18.32	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	24.67	0.50	23.02	<=38.45	Pass
			13	24.64	0.50	22.99	<=38.45	Pass
			24	24.51	0.50	22.86	<=38.45	Pass
		12	0	23.72	0.50	22.07	<=38.45	Pass
			6	23.77	0.50	22.12	<=38.45	Pass
			13	23.64	0.50	21.99	<=38.45	Pass
		25	0	23.74	0.50	22.09	<=38.45	Pass
	836.5	1	0	24.60	0.50	22.95	<=38.45	Pass
			13	24.67	0.50	23.02	<=38.45	Pass
			24	24.63	0.50	22.98	<=38.45	Pass
		12	0	23.61	0.50	21.96	<=38.45	Pass
			6	23.61	0.50	21.96	<=38.45	Pass
			13	23.72	0.50	22.07	<=38.45	Pass
		25	0	23.69	0.50	22.04	<=38.45	Pass
	846.5	1	0	24.67	0.50	23.02	<=38.45	Pass
			13	24.85	0.50	23.20	<=38.45	Pass
			24	24.76	0.50	23.11	<=38.45	Pass
		12	0	23.75	0.50	22.10	<=38.45	Pass
			6	23.85	0.50	22.20	<=38.45	Pass
			13	23.90	0.50	22.25	<=38.45	Pass
		25	0	23.89	0.50	22.24	<=38.45	Pass
16QAM	826.5	1	0	24.14	0.50	22.49	<=38.45	Pass
			13	24.04	0.50	22.39	<=38.45	Pass
			24	23.94	0.50	22.29	<=38.45	Pass
		12	0	22.78	0.50	21.13	<=38.45	Pass
			6	22.76	0.50	21.11	<=38.45	Pass
			13	22.60	0.50	20.95	<=38.45	Pass
		25	0	22.68	0.50	21.03	<=38.45	Pass
	836.5	1	0	23.91	0.50	22.26	<=38.45	Pass
			13	24.22	0.50	22.57	<=38.45	Pass
			24	23.97	0.50	22.32	<=38.45	Pass
		12	0	22.70	0.50	21.05	<=38.45	Pass
			6	22.69	0.50	21.04	<=38.45	Pass
			13	22.74	0.50	21.09	<=38.45	Pass
		25	0	22.67	0.50	21.02	<=38.45	Pass
	846.5	1	0	23.90	0.50	22.25	<=38.45	Pass
			13	24.40	0.50	22.75	<=38.45	Pass
			24	24.23	0.50	22.58	<=38.45	Pass
		12	0	22.82	0.50	21.17	<=38.45	Pass
			6	22.89	0.50	21.24	<=38.45	Pass
			13	22.93	0.50	21.28	<=38.45	Pass
		25	0	22.81	0.50	21.16	<=38.45	Pass
64QAM	826.5	1	0	23.77	0.50	22.12	<=38.45	Pass
			13	23.94	0.50	22.29	<=38.45	Pass
			24	23.76	0.50	22.11	<=38.45	Pass
		12	0	22.71	0.50	21.06	<=38.45	Pass
			6	22.76	0.50	21.11	<=38.45	Pass
			13	22.72	0.50	21.07	<=38.45	Pass
		25	0	22.67	0.50	21.02	<=38.45	Pass
	836.5	1	0	23.80	0.50	22.15	<=38.45	Pass
			13	23.94	0.50	22.29	<=38.45	Pass
			24	23.86	0.50	22.21	<=38.45	Pass
		12	0	22.59	0.50	20.94	<=38.45	Pass
			6	22.69	0.50	21.04	<=38.45	Pass
			13	22.70	0.50	21.05	<=38.45	Pass
		25	0	22.62	0.50	20.97	<=38.45	Pass
	846.5	1	0	23.77	0.50	22.12	<=38.45	Pass
			13	24.12	0.50	22.47	<=38.45	Pass
			24	23.96	0.50	22.31	<=38.45	Pass
		12	0	22.83	0.50	21.18	<=38.45	Pass
			6	22.88	0.50	21.23	<=38.45	Pass

			13	22.92	0.50	21.27	<=38.45	Pass		
		25	0	22.81	0.50	21.16	<=38.45	Pass		
256QAM	826.5	1	0	19.84	0.50	18.19	<=38.45	Pass		
			13	19.82	0.50	18.17	<=38.45	Pass		
			24	19.77	0.50	18.12	<=38.45	Pass		
		12	0	19.30	0.50	17.65	<=38.45	Pass		
			6	19.73	0.50	18.08	<=38.45	Pass		
			13	19.72	0.50	18.07	<=38.45	Pass		
		25	0	19.70	0.50	18.05	<=38.45	Pass		
		836.5	1	0	19.73	0.50	18.08	<=38.45	Pass	
				13	19.83	0.50	18.18	<=38.45	Pass	
	24			19.67	0.50	18.02	<=38.45	Pass		
	12		0	20.09	0.50	18.44	<=38.45	Pass		
			6	19.61	0.50	17.96	<=38.45	Pass		
			13	19.53	0.50	17.88	<=38.45	Pass		
	25		0	19.65	0.50	18.00	<=38.45	Pass		
	846.5		1	0	19.88	0.50	18.23	<=38.45	Pass	
				13	19.96	0.50	18.31	<=38.45	Pass	
		24		19.91	0.50	18.26	<=38.45	Pass		
		12	0	19.92	0.50	18.27	<=38.45	Pass		
			6	19.89	0.50	18.24	<=38.45	Pass		
			13	20.00	0.50	18.35	<=38.45	Pass		
		25	0	19.80	0.50	18.15	<=38.45	Pass		
		Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.80	0.50	23.15	<=38.45	Pass
			25	24.68	0.50	23.03	<=38.45	Pass
			49	24.62	0.50	22.97	<=38.45	Pass
		25	0	23.73	0.50	22.08	<=38.45	Pass
			13	23.73	0.50	22.08	<=38.45	Pass
			25	23.69	0.50	22.04	<=38.45	Pass
		50	0	23.73	0.50	22.08	<=38.45	Pass
	836.5	1	0	24.64	0.50	22.99	<=38.45	Pass
			25	24.73	0.50	23.08	<=38.45	Pass
			49	24.67	0.50	23.02	<=38.45	Pass
		25	0	23.76	0.50	22.11	<=38.45	Pass
			13	23.69	0.50	22.04	<=38.45	Pass
			25	23.70	0.50	22.05	<=38.45	Pass
		50	0	23.67	0.50	22.02	<=38.45	Pass
	844	1	0	24.73	0.50	23.08	<=38.45	Pass
			25	24.87	0.50	23.22	<=38.45	Pass
			49	24.80	0.50	23.15	<=38.45	Pass
		25	0	23.81	0.50	22.16	<=38.45	Pass
			13	23.78	0.50	22.13	<=38.45	Pass
			25	23.94	0.50	22.29	<=38.45	Pass
		50	0	23.82	0.50	22.17	<=38.45	Pass
16QAM	829	1	0	24.03	0.50	22.38	<=38.45	Pass
			25	24.00	0.50	22.35	<=38.45	Pass
			49	24.01	0.50	22.36	<=38.45	Pass
		25	0	22.69	0.50	21.04	<=38.45	Pass
			13	22.70	0.50	21.05	<=38.45	Pass
			25	22.78	0.50	21.13	<=38.45	Pass
		50	0	22.70	0.50	21.05	<=38.45	Pass
	836.5	1	0	23.78	0.50	22.13	<=38.45	Pass
			25	24.25	0.50	22.60	<=38.45	Pass
			49	24.07	0.50	22.42	<=38.45	Pass
		25	0	22.66	0.50	21.01	<=38.45	Pass

		50	13	22.70	0.50	21.05	<=38.45	Pass
			25	22.78	0.50	21.13	<=38.45	Pass
			0	22.70	0.50	21.05	<=38.45	Pass
	844	1	0	23.98	0.50	22.33	<=38.45	Pass
			25	24.05	0.50	22.40	<=38.45	Pass
			49	24.13	0.50	22.48	<=38.45	Pass
		25	0	22.77	0.50	21.12	<=38.45	Pass
			13	22.86	0.50	21.21	<=38.45	Pass
			25	22.85	0.50	21.20	<=38.45	Pass
		50	0	22.85	0.50	21.20	<=38.45	Pass
64QAM	829	1	0	23.85	0.50	22.20	<=38.45	Pass
			25	23.98	0.50	22.33	<=38.45	Pass
			49	23.71	0.50	22.06	<=38.45	Pass
		25	0	22.68	0.50	21.03	<=38.45	Pass
			13	22.69	0.50	21.04	<=38.45	Pass
			25	22.60	0.50	20.95	<=38.45	Pass
		50	0	22.78	0.50	21.13	<=38.45	Pass
	836.5	1	0	23.72	0.50	22.07	<=38.45	Pass
			25	23.76	0.50	22.11	<=38.45	Pass
			49	23.79	0.50	22.14	<=38.45	Pass
		25	0	22.70	0.50	21.05	<=38.45	Pass
			13	22.86	0.50	21.21	<=38.45	Pass
			25	22.72	0.50	21.07	<=38.45	Pass
		50	0	22.66	0.50	21.01	<=38.45	Pass
	844	1	0	23.79	0.50	22.14	<=38.45	Pass
			25	24.02	0.50	22.37	<=38.45	Pass
			49	24.03	0.50	22.38	<=38.45	Pass
		25	0	22.75	0.50	21.10	<=38.45	Pass
			13	22.84	0.50	21.19	<=38.45	Pass
			25	22.88	0.50	21.23	<=38.45	Pass
		50	0	22.76	0.50	21.11	<=38.45	Pass
256QAM	829	1	0	19.81	0.50	18.16	<=38.45	Pass
			25	20.26	0.50	18.61	<=38.45	Pass
			49	19.59	0.50	17.94	<=38.45	Pass
		25	0	19.66	0.50	18.01	<=38.45	Pass
			13	19.77	0.50	18.12	<=38.45	Pass
			25	19.78	0.50	18.13	<=38.45	Pass
		50	0	19.76	0.50	18.11	<=38.45	Pass
	836.5	1	0	19.67	0.50	18.02	<=38.45	Pass
			25	19.96	0.50	18.31	<=38.45	Pass
			49	19.57	0.50	17.92	<=38.45	Pass
		25	0	20.19	0.50	18.54	<=38.45	Pass
			13	19.64	0.50	17.99	<=38.45	Pass
			25	19.70	0.50	18.05	<=38.45	Pass
		50	0	19.92	0.50	18.27	<=38.45	Pass
	844	1	0	19.53	0.50	17.88	<=38.45	Pass
			25	20.08	0.50	18.43	<=38.45	Pass
			49	19.92	0.50	18.27	<=38.45	Pass
		25	0	19.75	0.50	18.10	<=38.45	Pass
			13	19.89	0.50	18.24	<=38.45	Pass
			25	19.93	0.50	18.28	<=38.45	Pass
		50	0	19.81	0.50	18.16	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_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	-0.800	-0.0010	-2.5 to 2.5	Pass
					3.85	0.300	0.0004	-2.5 to 2.5	Pass
					4.43	-2.200	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.800	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.200	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.000	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.900	-0.0023	-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	1.102	/	Pass
	16QAM	836.5	6	0	1.106	/	Pass
	64QAM	836.5	6	0	1.110	/	Pass
	256QAM	836.5	6	0	1.104	/	Pass
3	QPSK	836.5	15	0	2.752	/	Pass
	16QAM	836.5	15	0	2.753	/	Pass
	64QAM	836.5	15	0	2.750	/	Pass
	256QAM	836.5	15	0	2.766	/	Pass
5	QPSK	836.5	25	0	4.533	/	Pass
	16QAM	836.5	25	0	4.530	/	Pass
	64QAM	836.5	25	0	4.516	/	Pass
	256QAM	836.5	25	0	4.522	/	Pass
10	QPSK	836.5	50	0	9.017	/	Pass
	16QAM	836.5	50	0	9.018	/	Pass
	64QAM	836.5	50	0	9.020	/	Pass
	256QAM	836.5	50	0	9.030	/	Pass

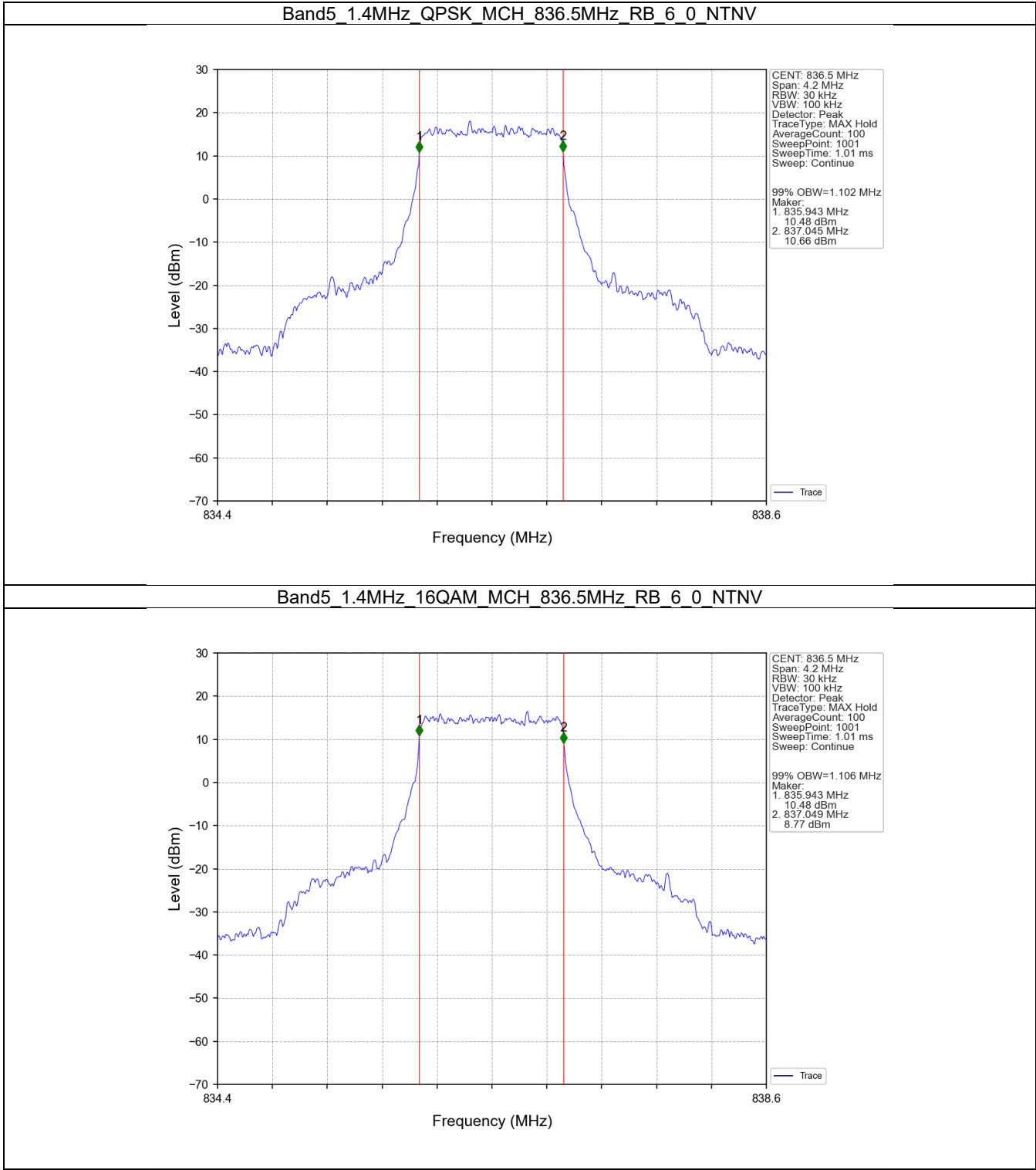
3.1.2 Band5_XDB

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	1.350	/	Pass
	16QAM	836.5	6	0	1.387	/	Pass
	64QAM	836.5	6	0	1.346	/	Pass
	256QAM	836.5	6	0	1.386	/	Pass
3	QPSK	836.5	15	0	3.134	/	Pass
	16QAM	836.5	15	0	3.155	/	Pass
	64QAM	836.5	15	0	3.138	/	Pass
	256QAM	836.5	15	0	3.143	/	Pass
5	QPSK	836.5	25	0	5.167	/	Pass
	16QAM	836.5	25	0	5.156	/	Pass
	64QAM	836.5	25	0	5.193	/	Pass
	256QAM	836.5	25	0	5.221	/	Pass
10	QPSK	836.5	50	0	9.992	/	Pass
	16QAM	836.5	50	0	10.038	/	Pass
	64QAM	836.5	50	0	9.890	/	Pass

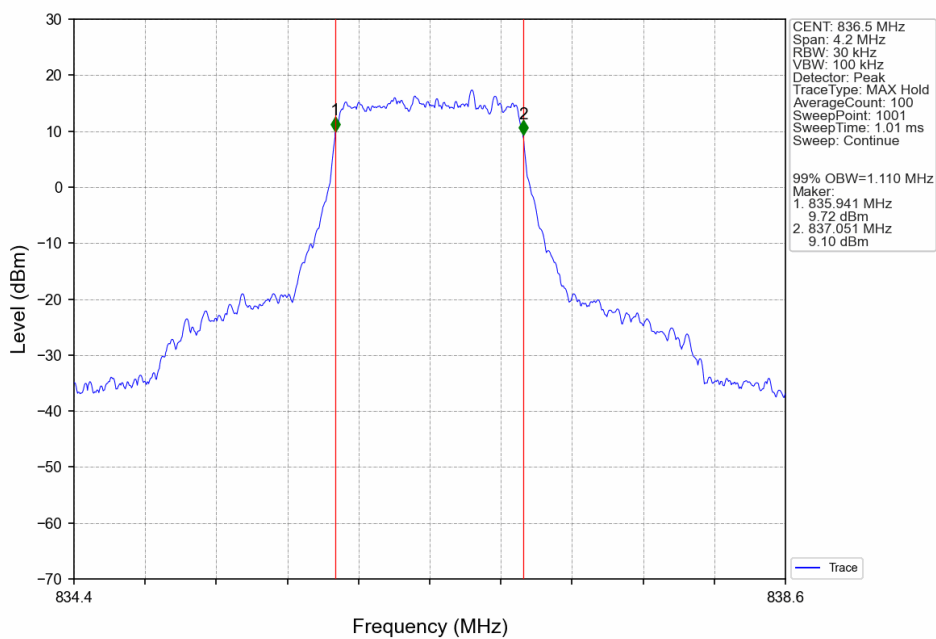
	256QAM	836.5	50	0	9.989	/	Pass
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3.2 Test Graph

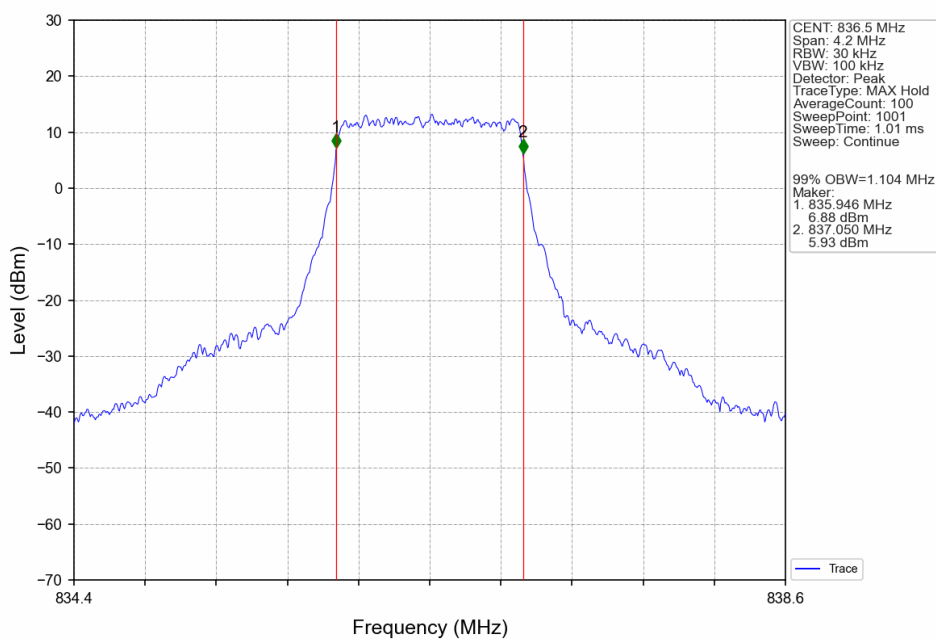
3.2.1 Band5_OBW



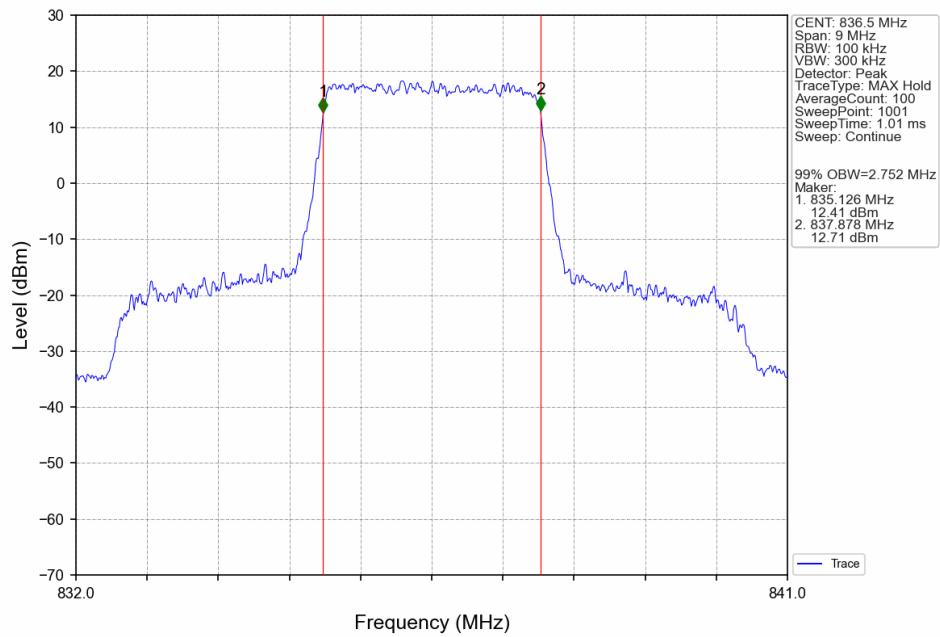
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



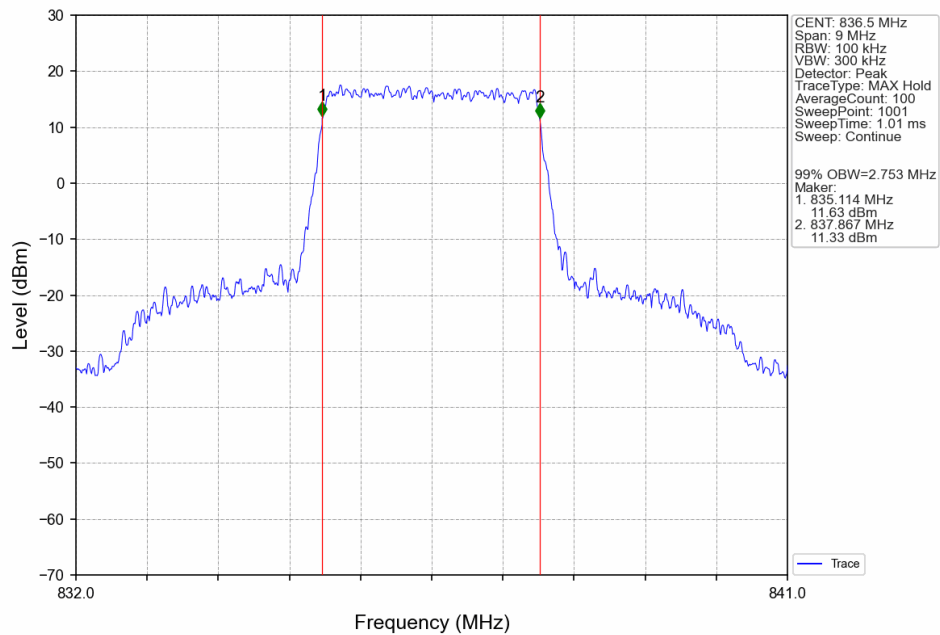
Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



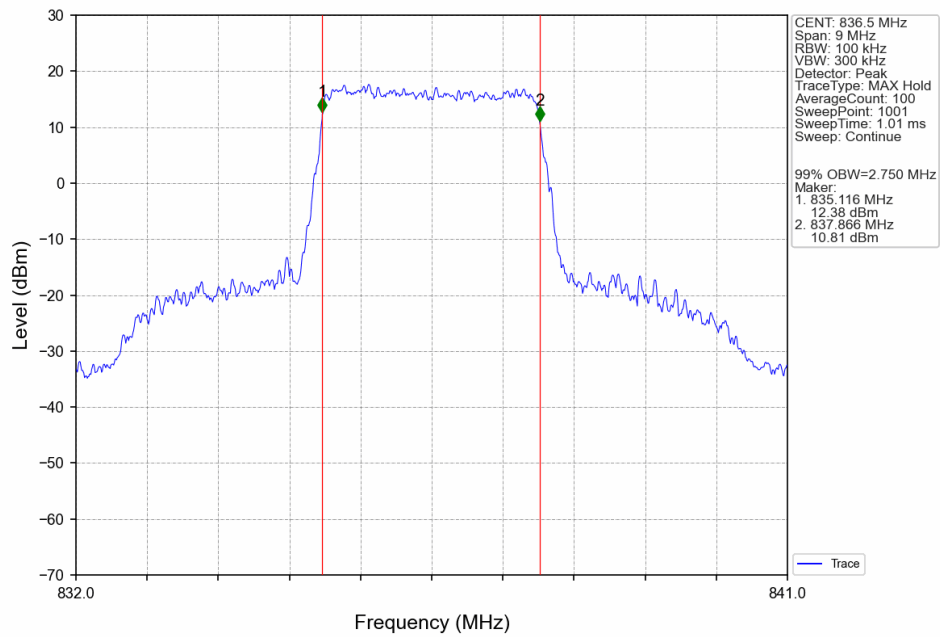
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



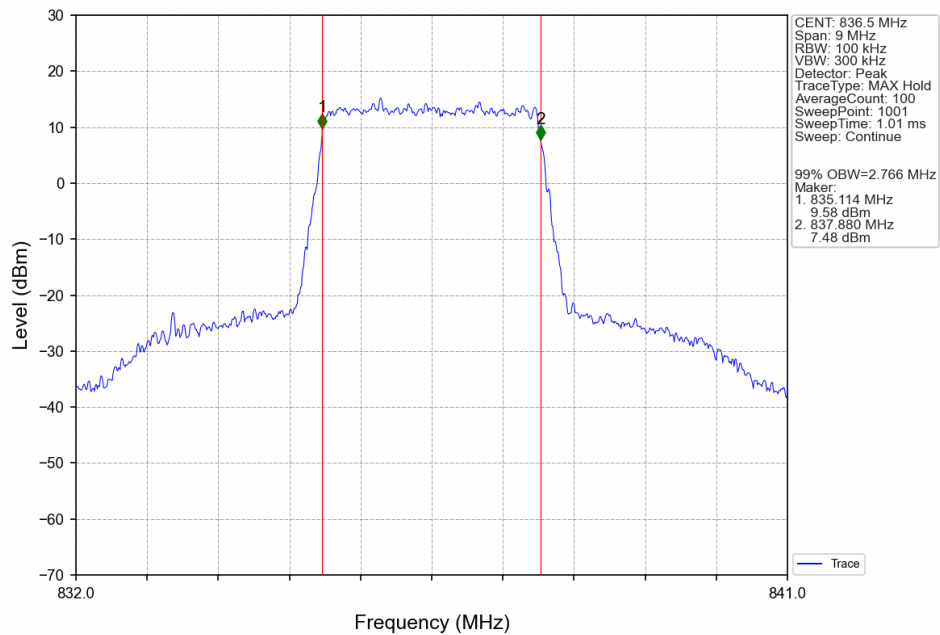
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



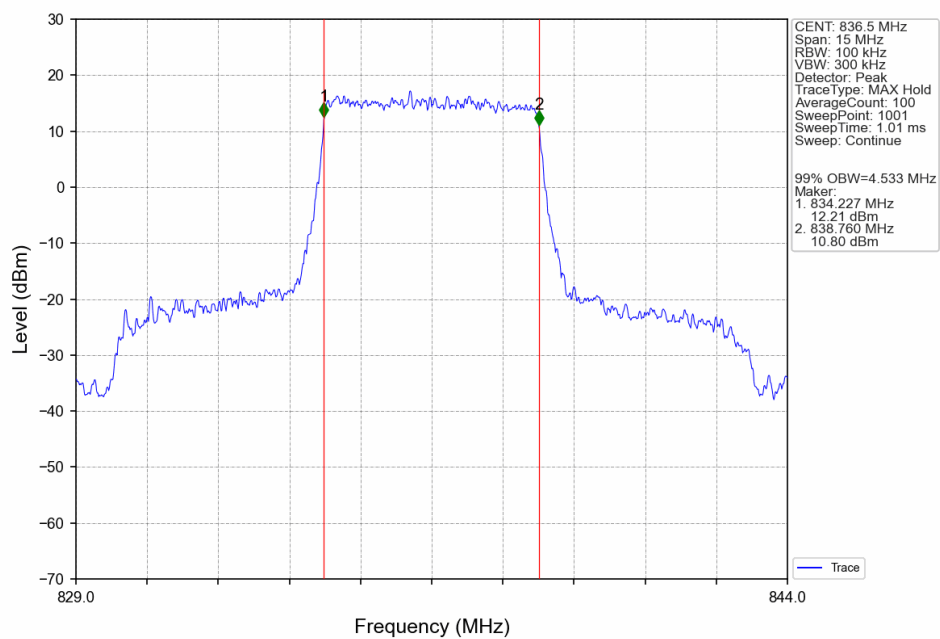
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



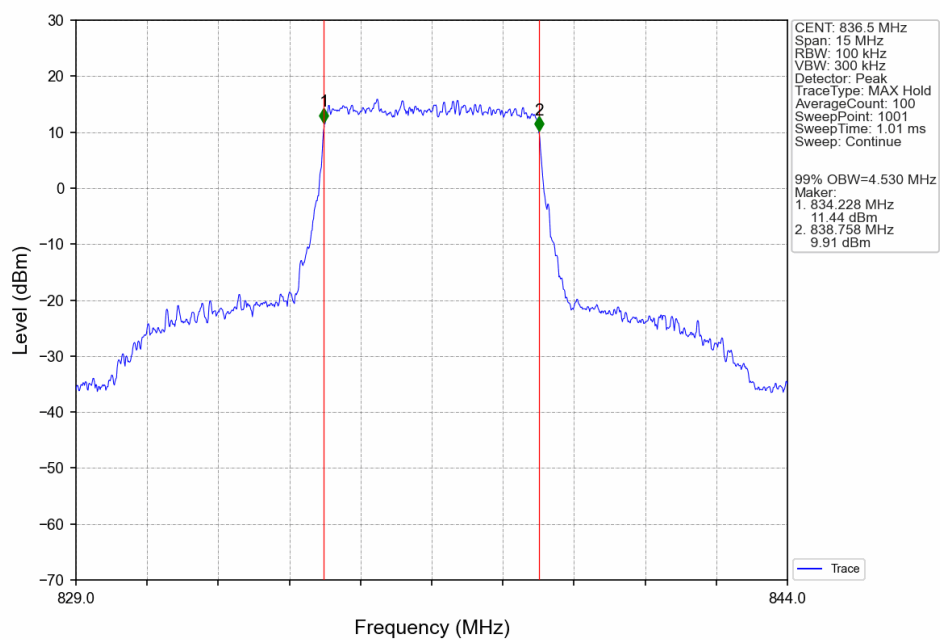
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



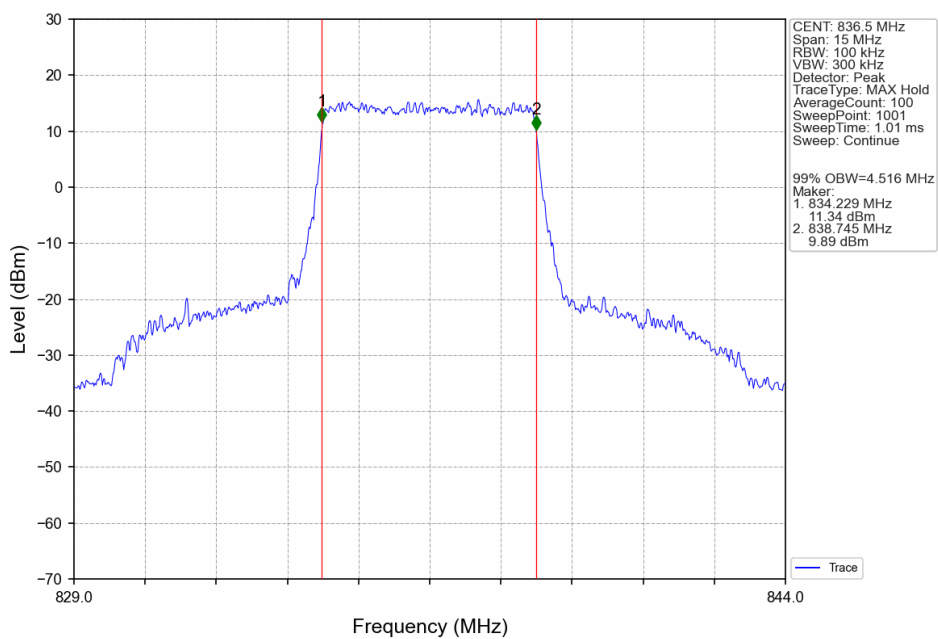
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



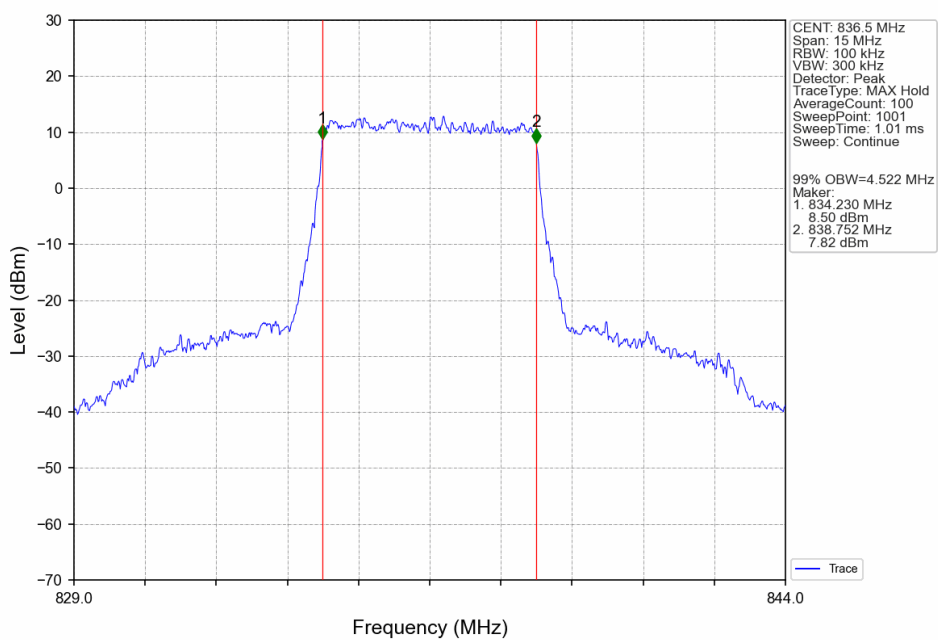
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



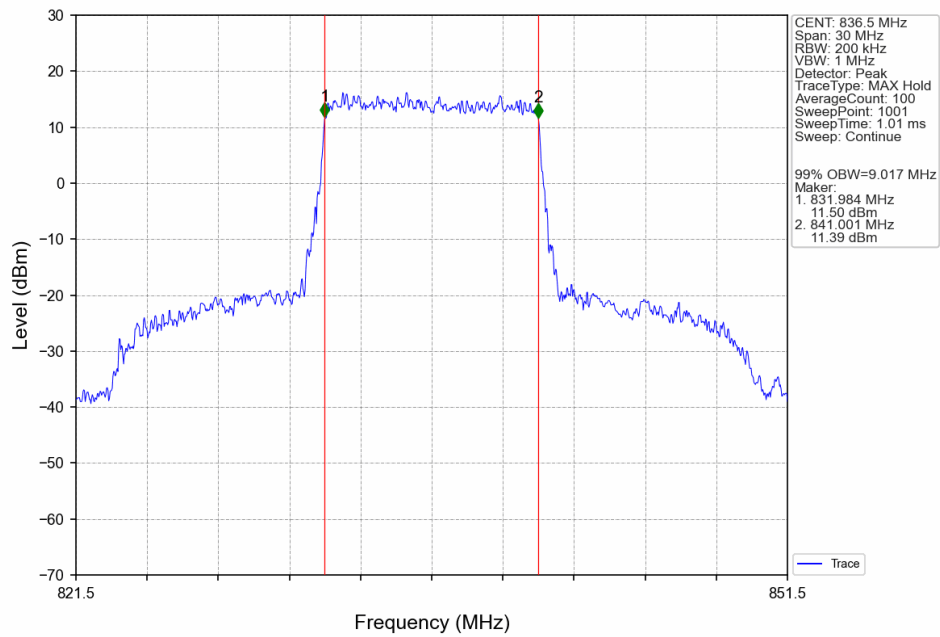
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



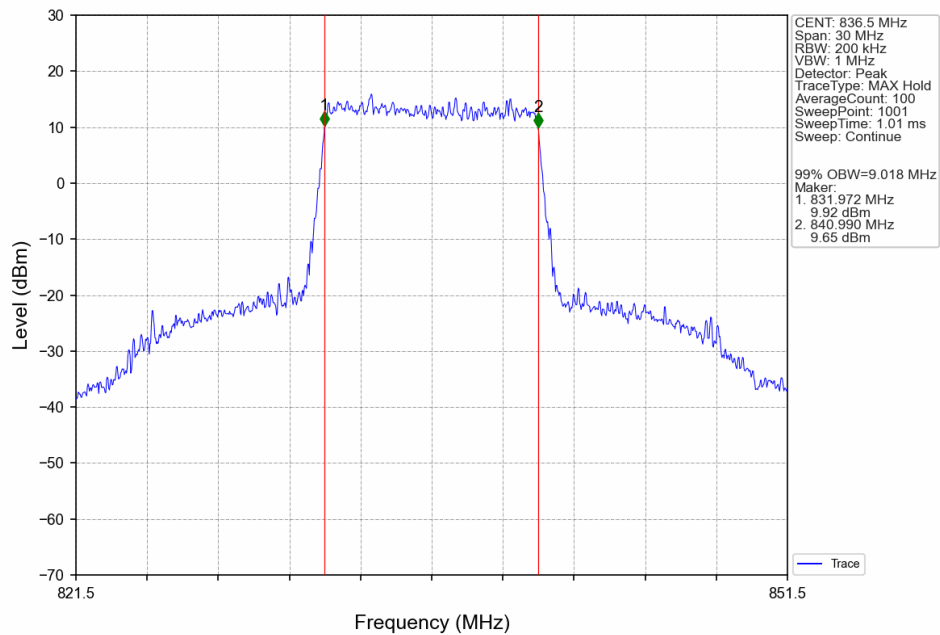
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



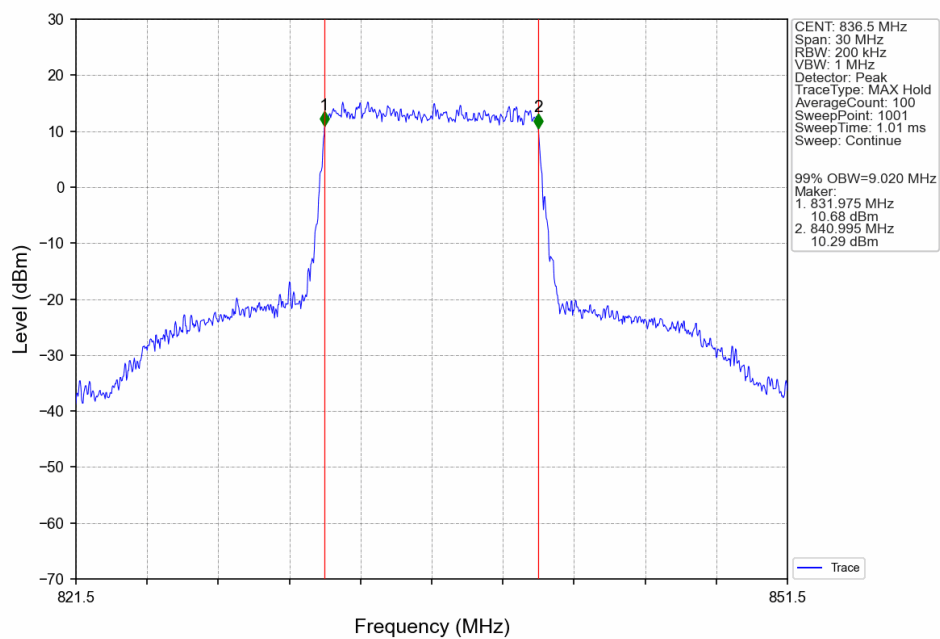
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



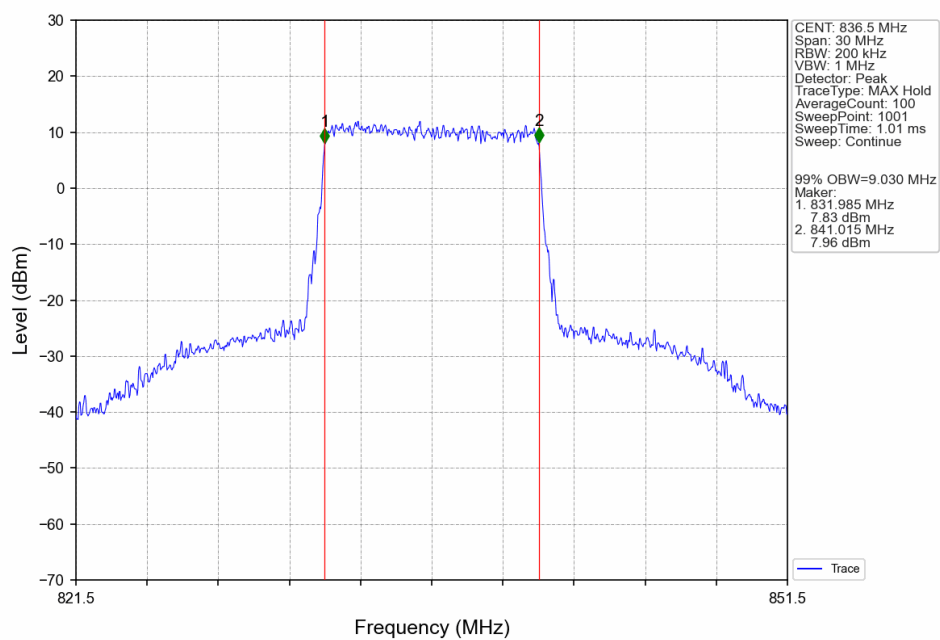
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



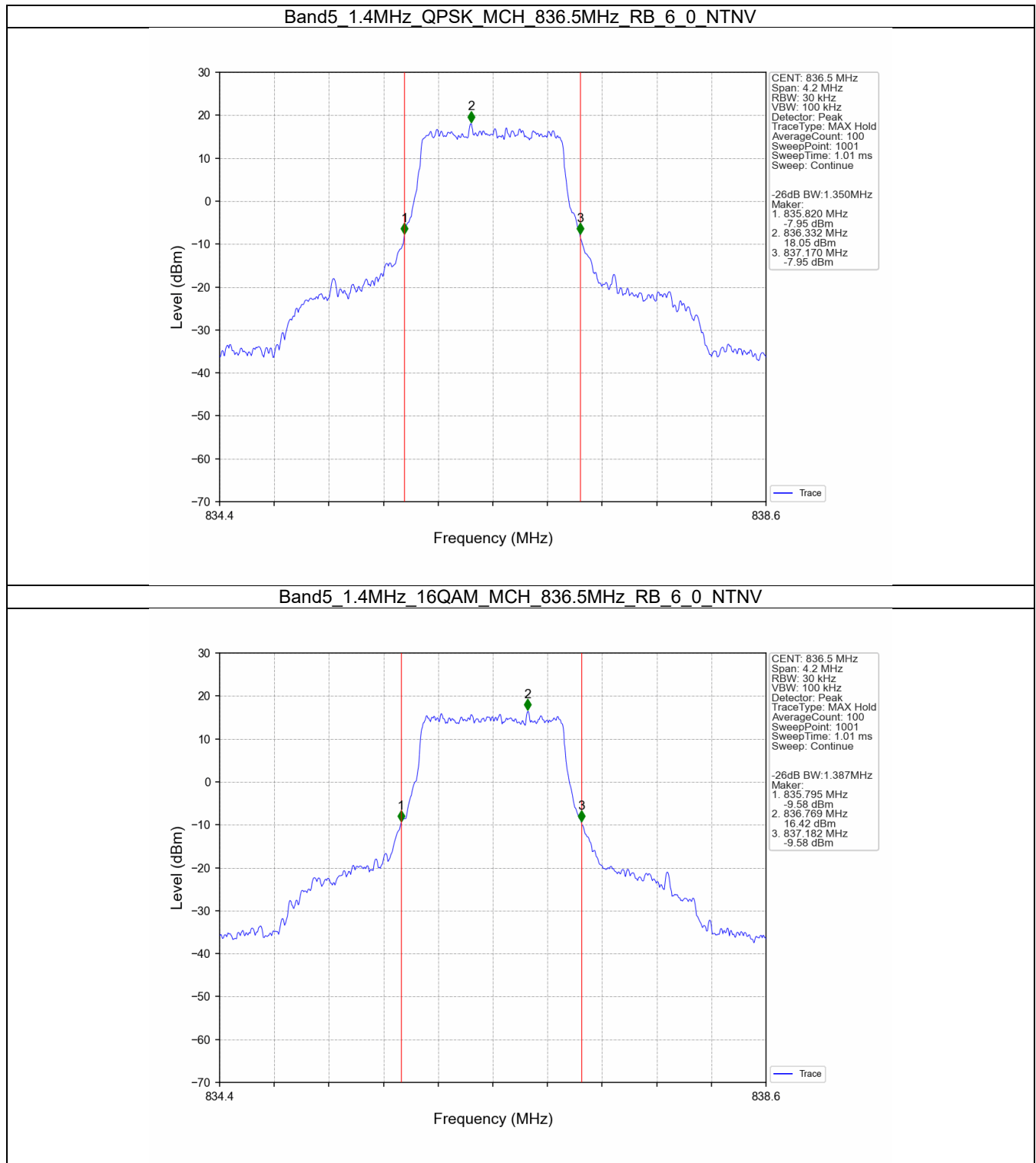
Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



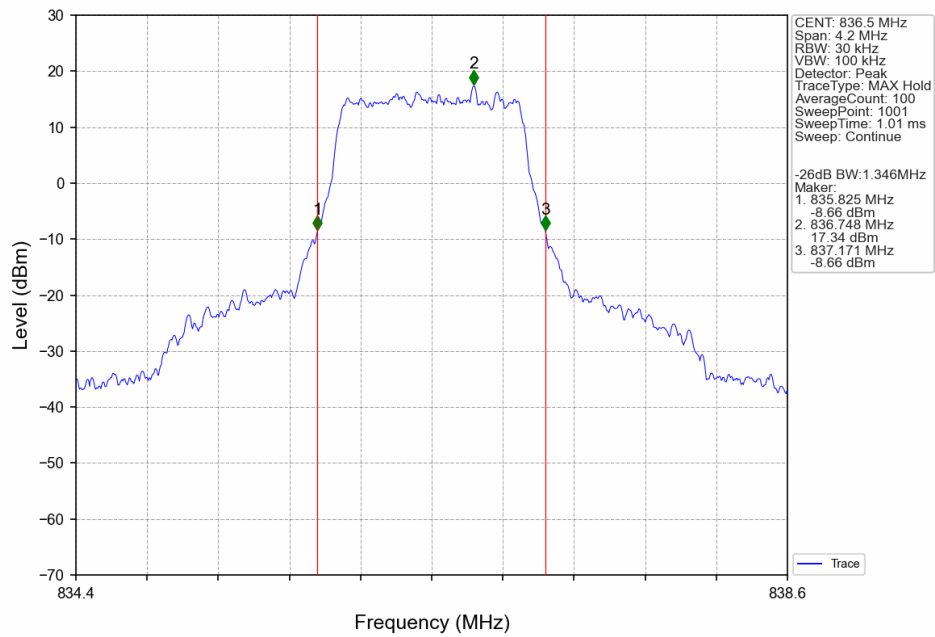
Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



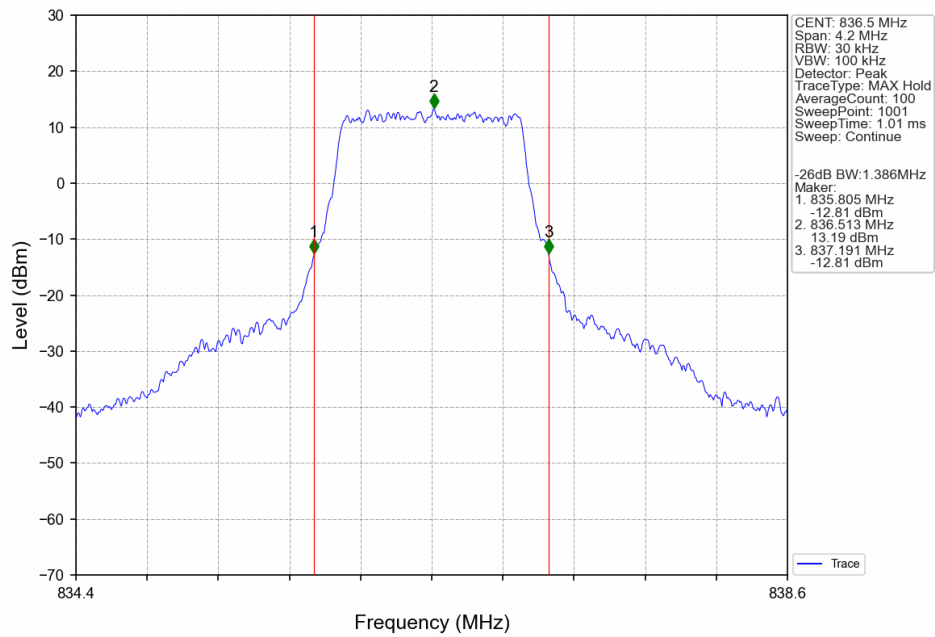
3.2.2 Band5_XDB



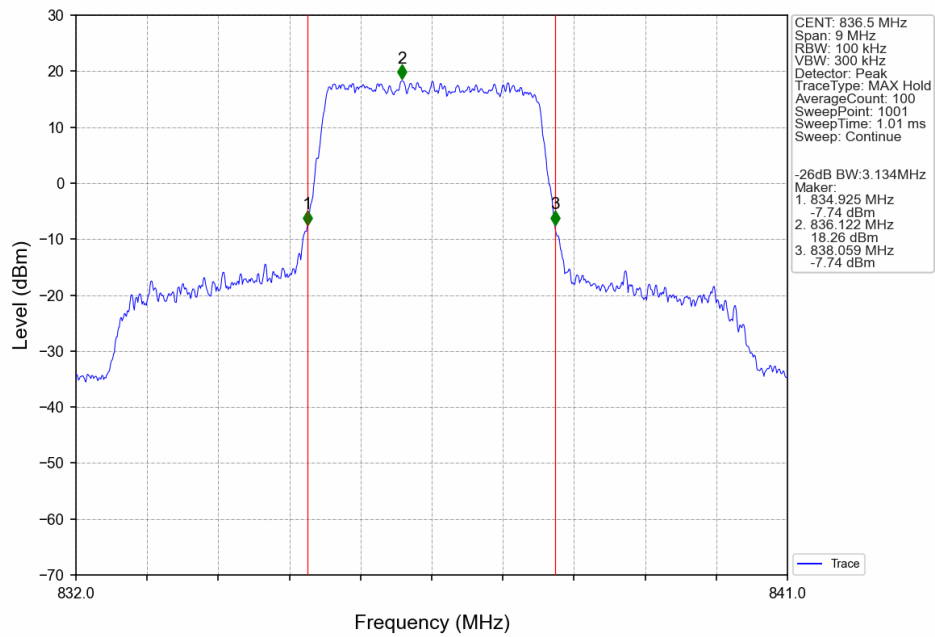
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



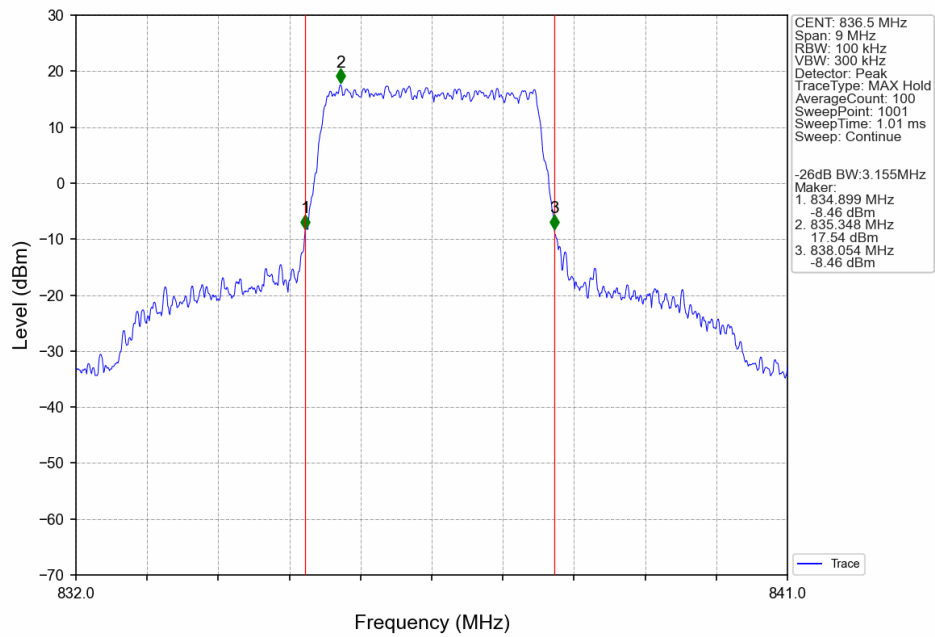
Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



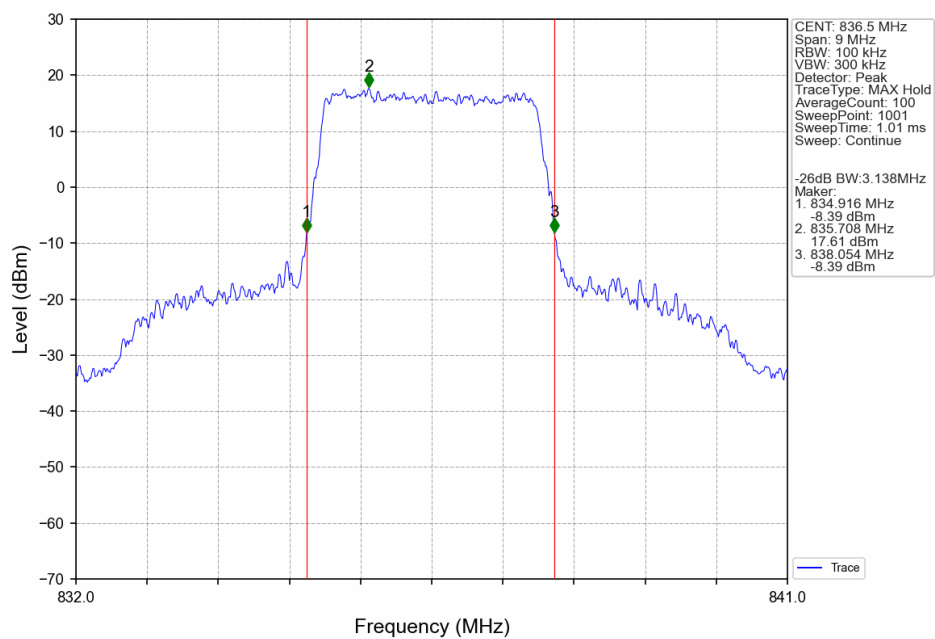
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



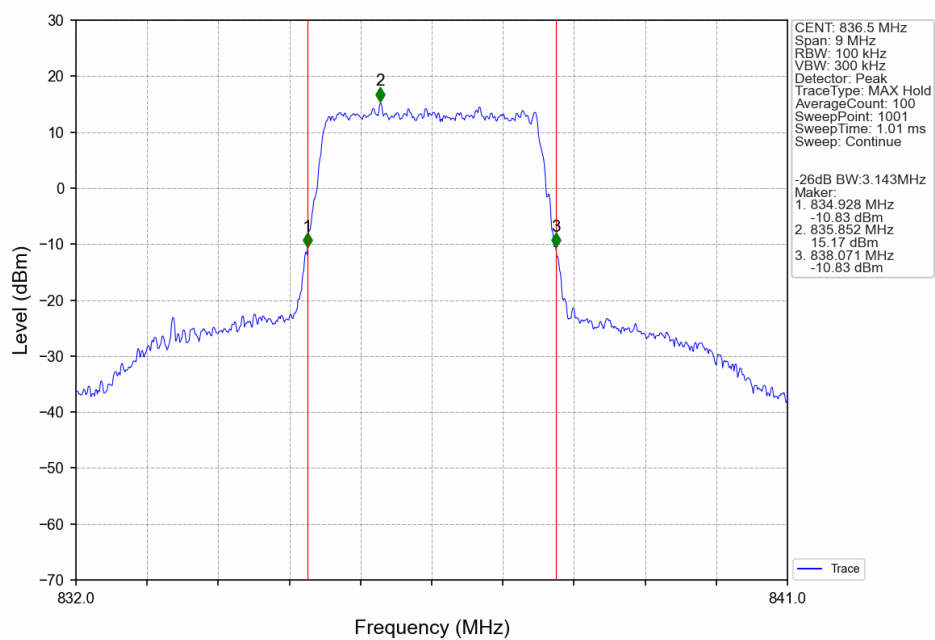
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



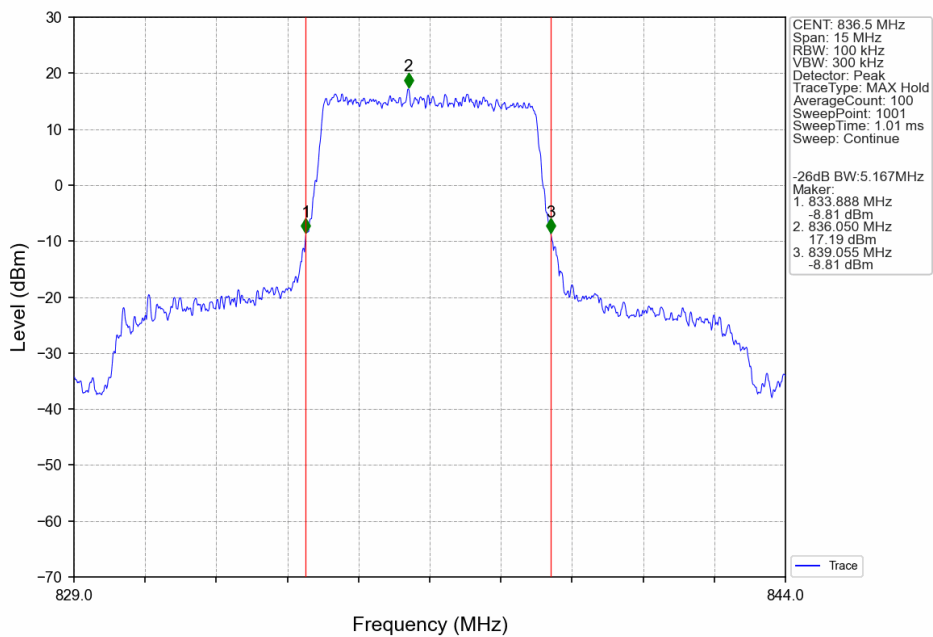
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



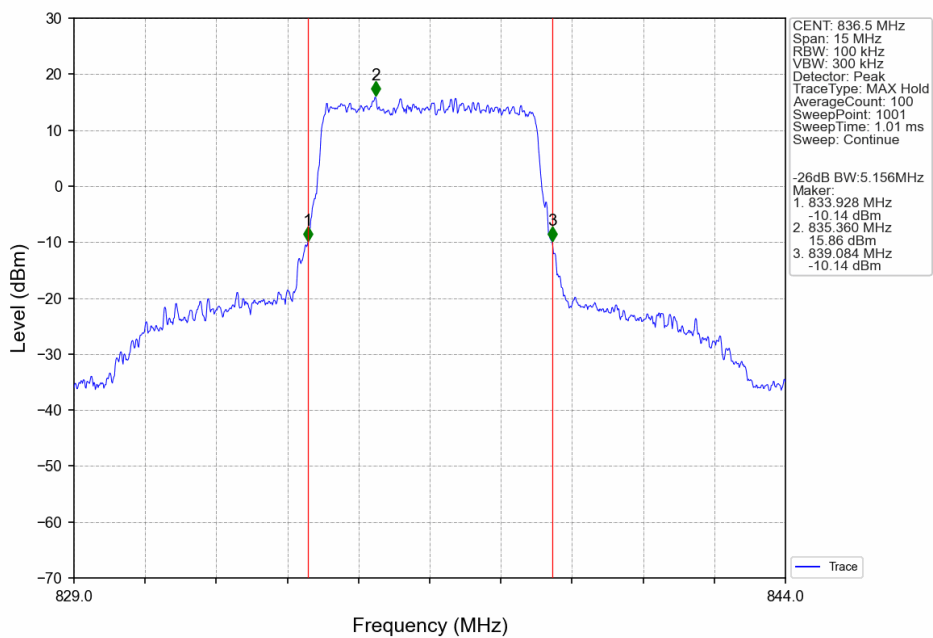
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



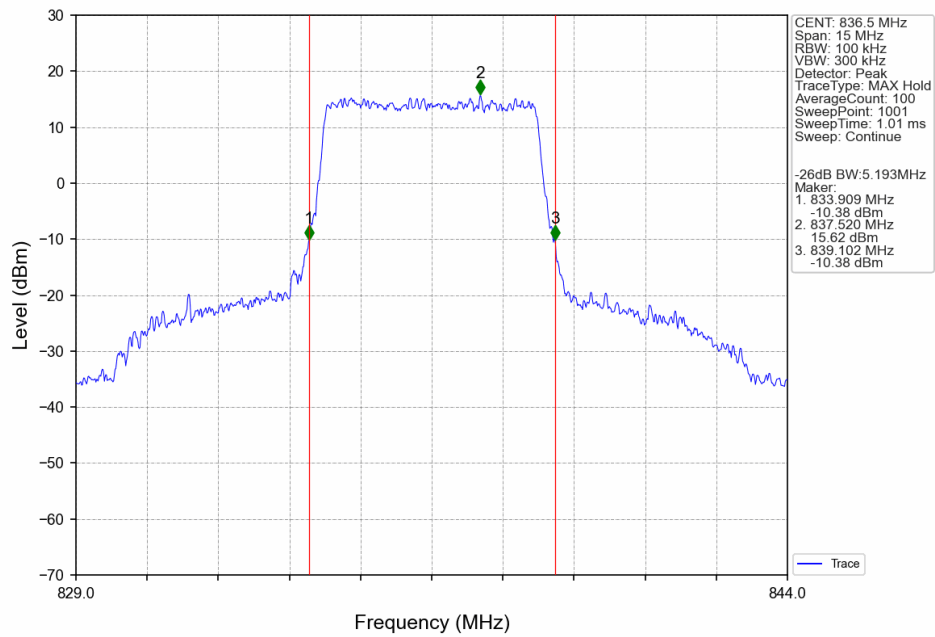
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



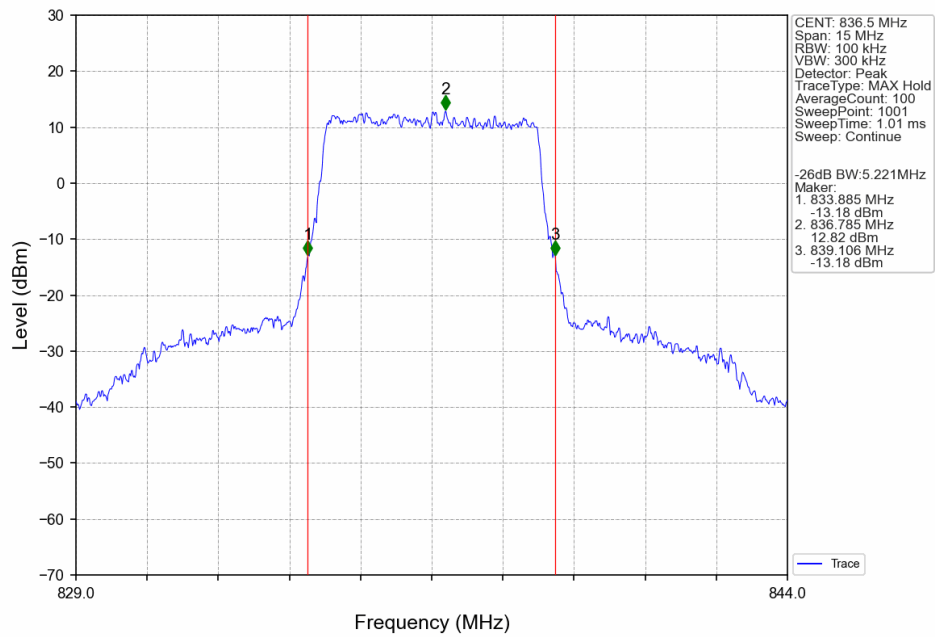
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



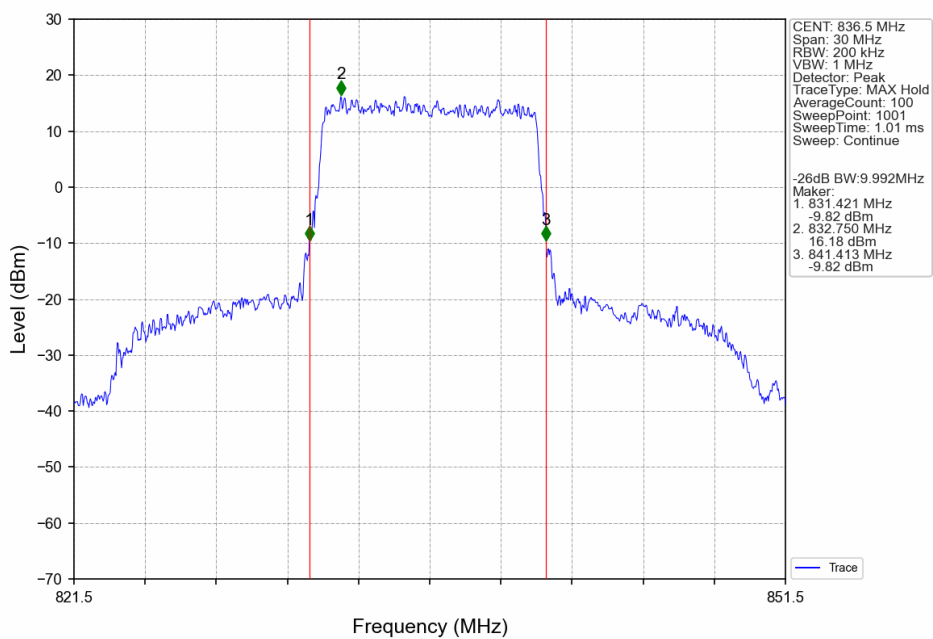
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



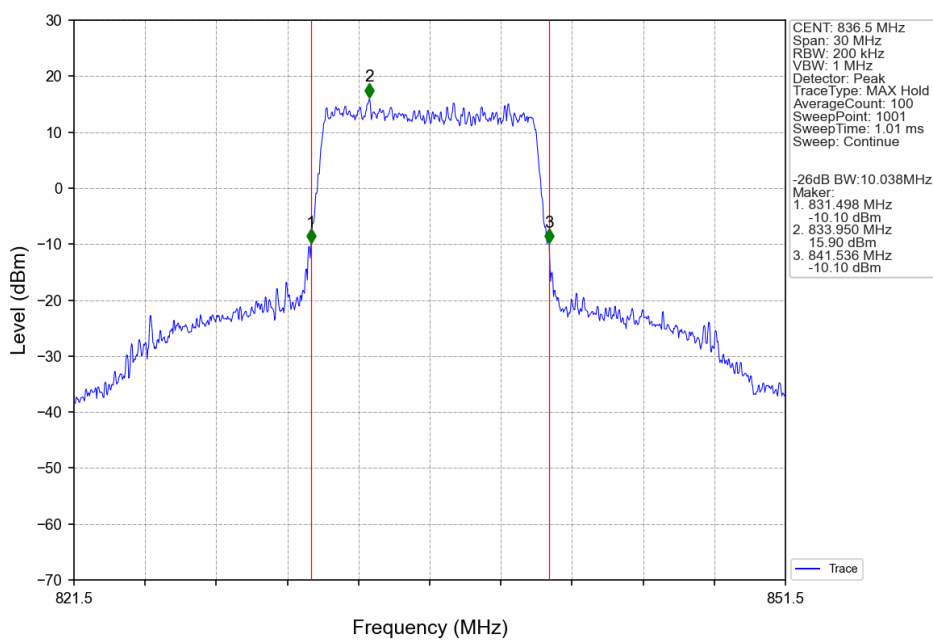
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



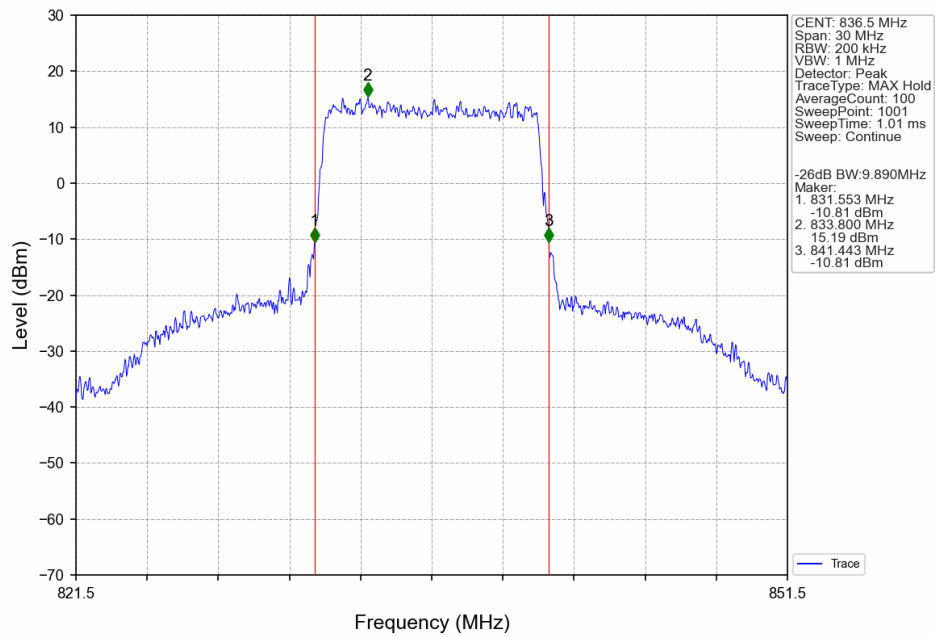
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



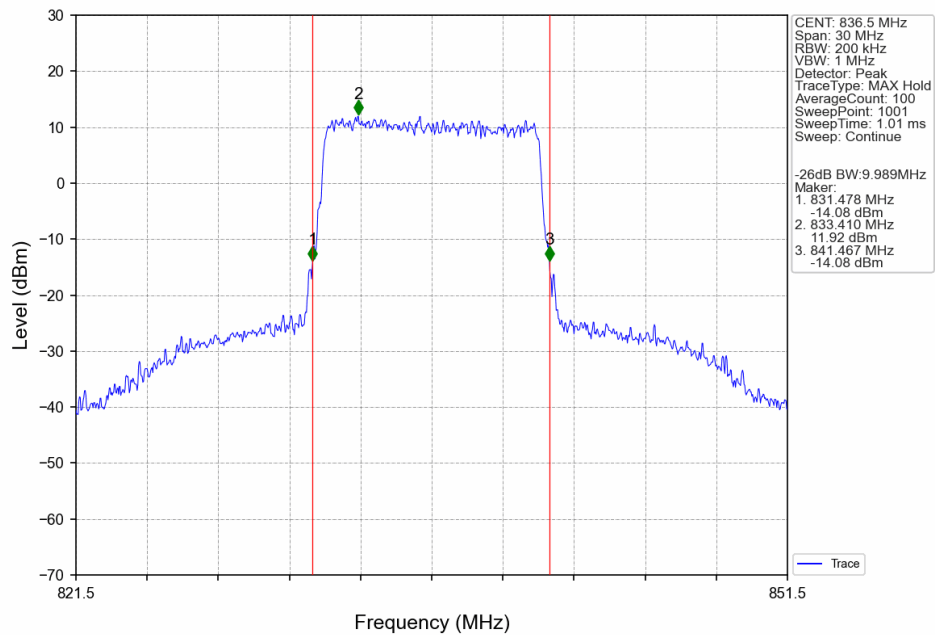
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

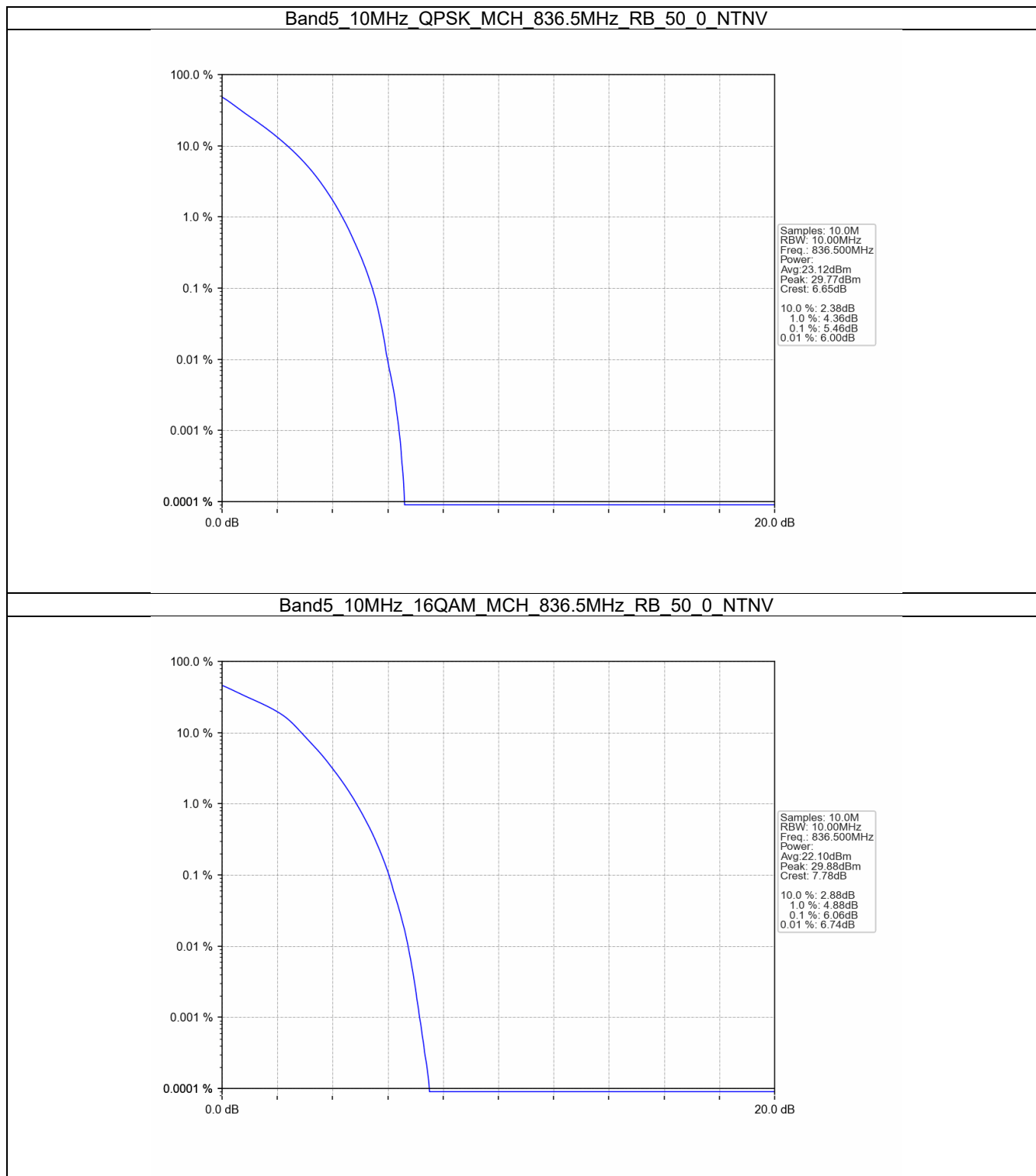
4.1 Test Result

4.1.1 B5_10MHz

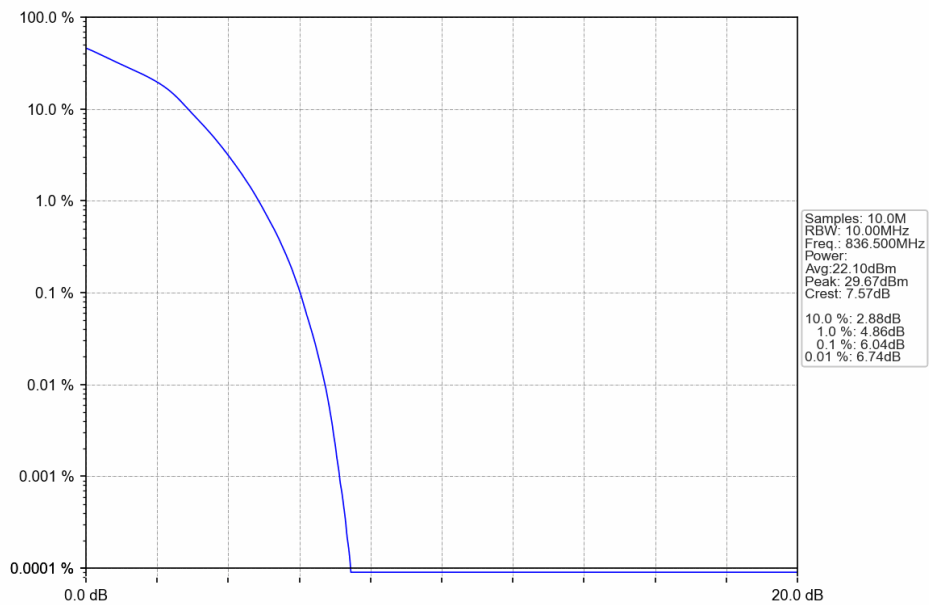
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.46	<=13	Pass
16QAM	836.5	50	0	6.06	<=13	Pass
64QAM	836.5	50	0	6.04	<=13	Pass
256QAM	836.5	50	0	6.40	<=13	Pass

4.2 Test Graph

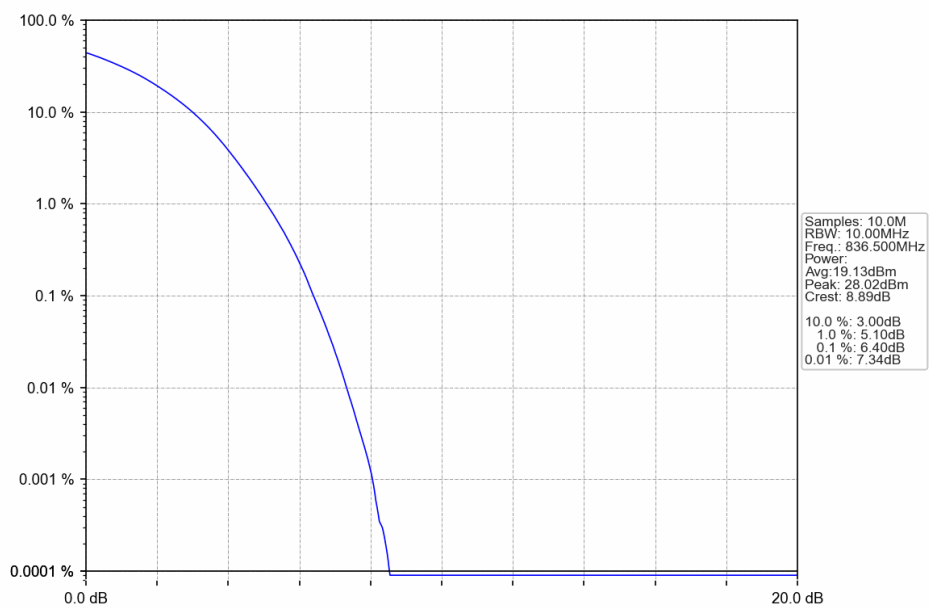
4.2.1 B5_10MHz



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	
	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

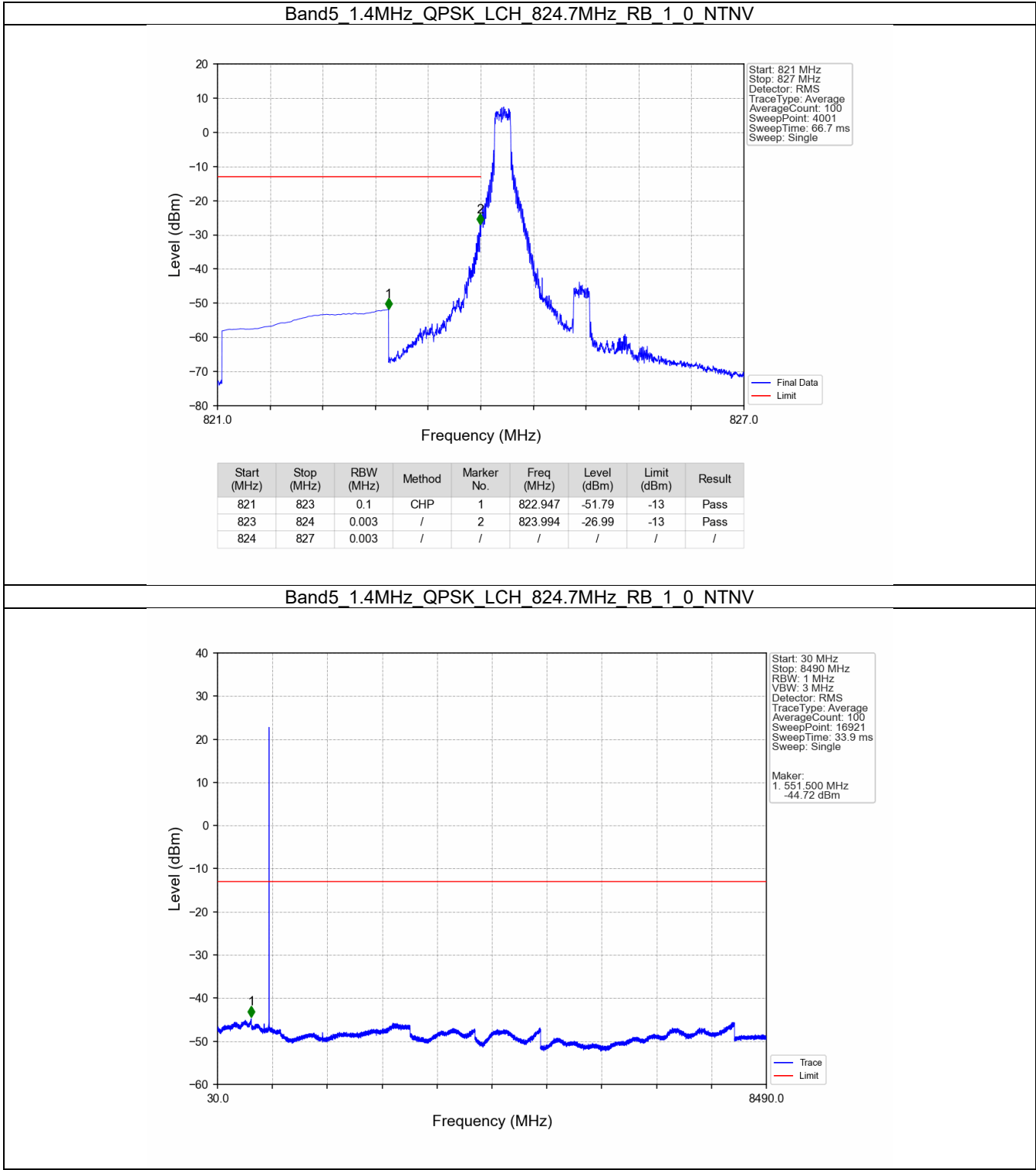
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

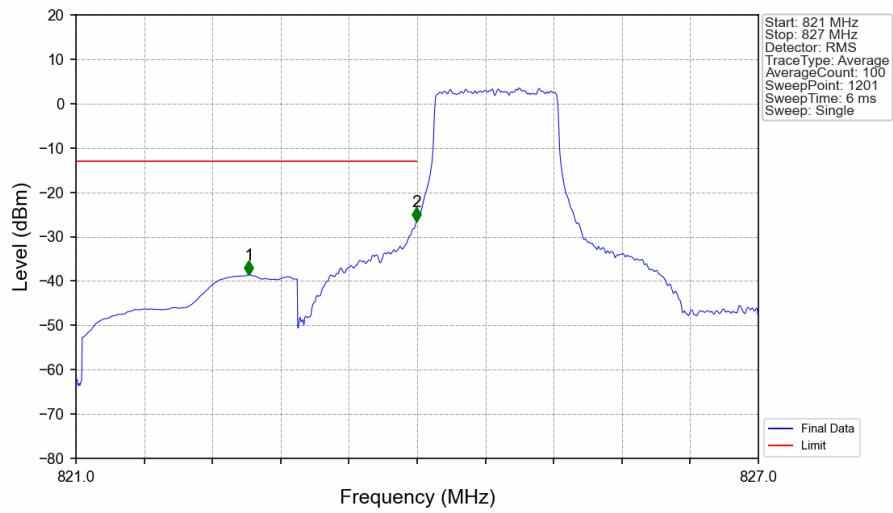
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

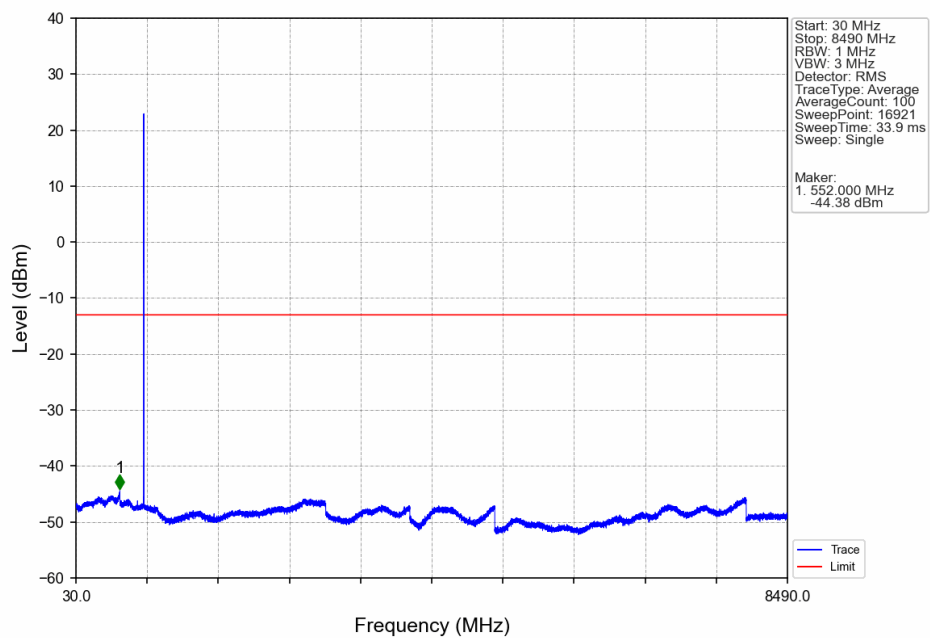
5.2.1 B5_1.4MHz



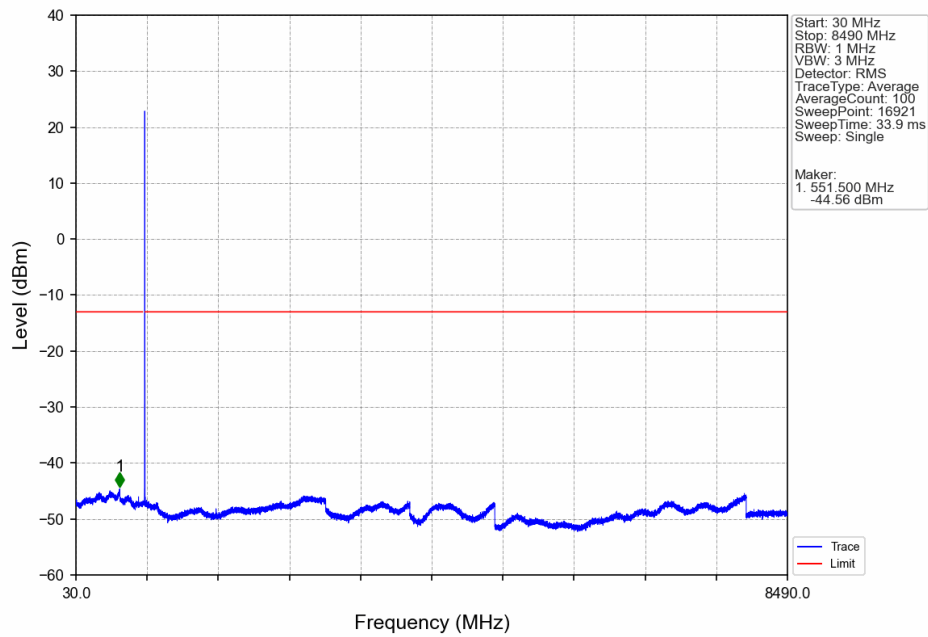
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



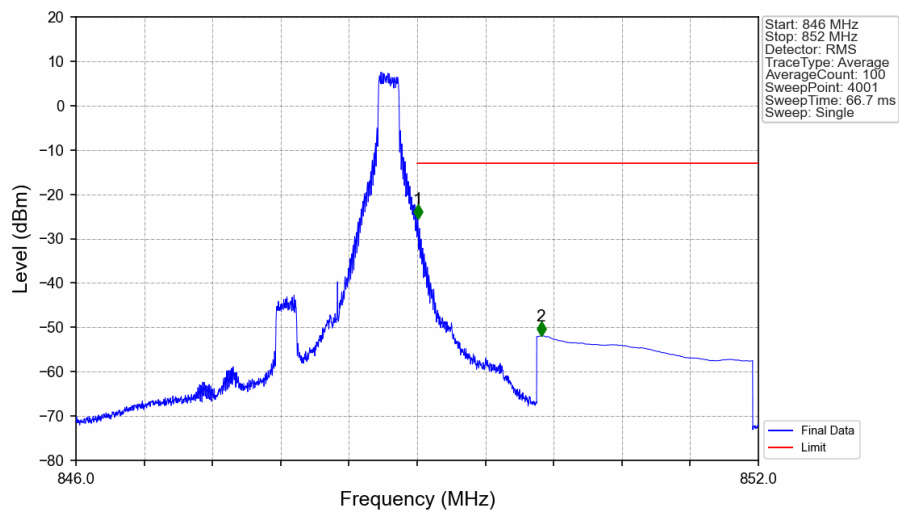
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

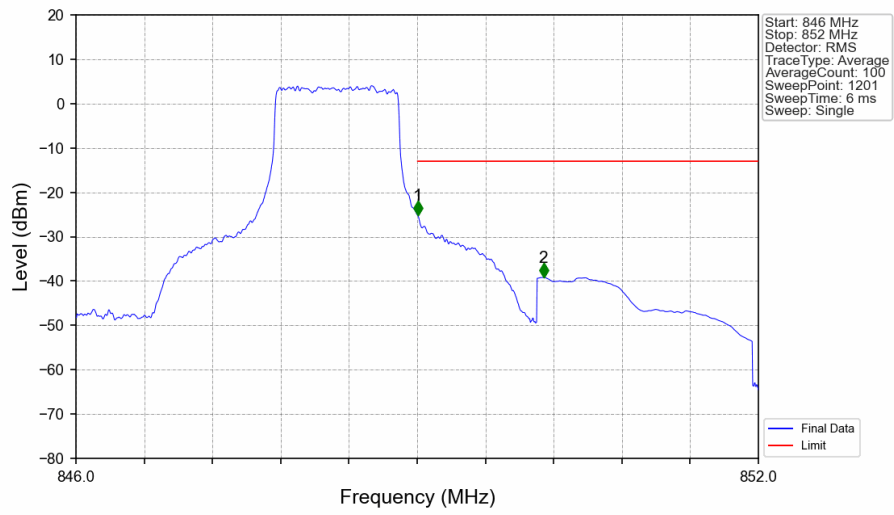


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



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	-25.42	-13	Pass
850	852	0.1	CHP	2	850.089	-51.90	-13	Pass

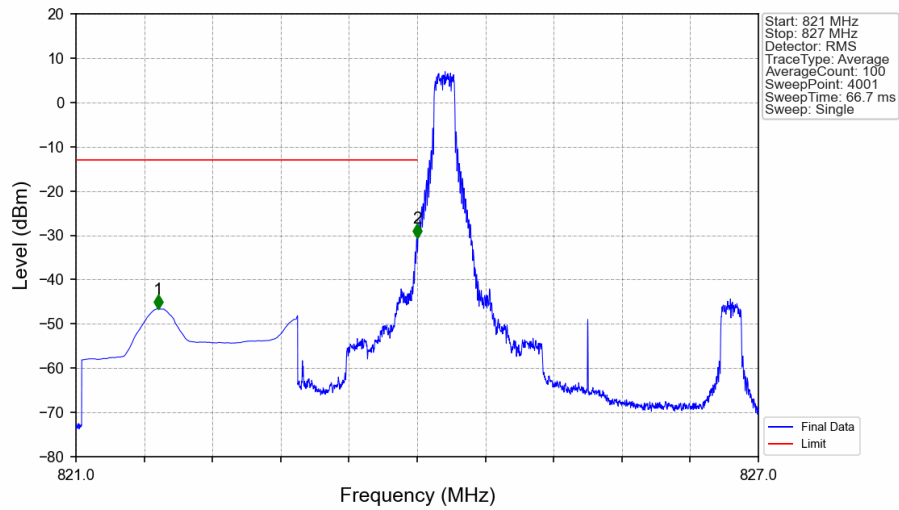
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



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	-25.16	-13	Pass
850	852	0.1	CHP	2	850.110	-39.21	-13	Pass

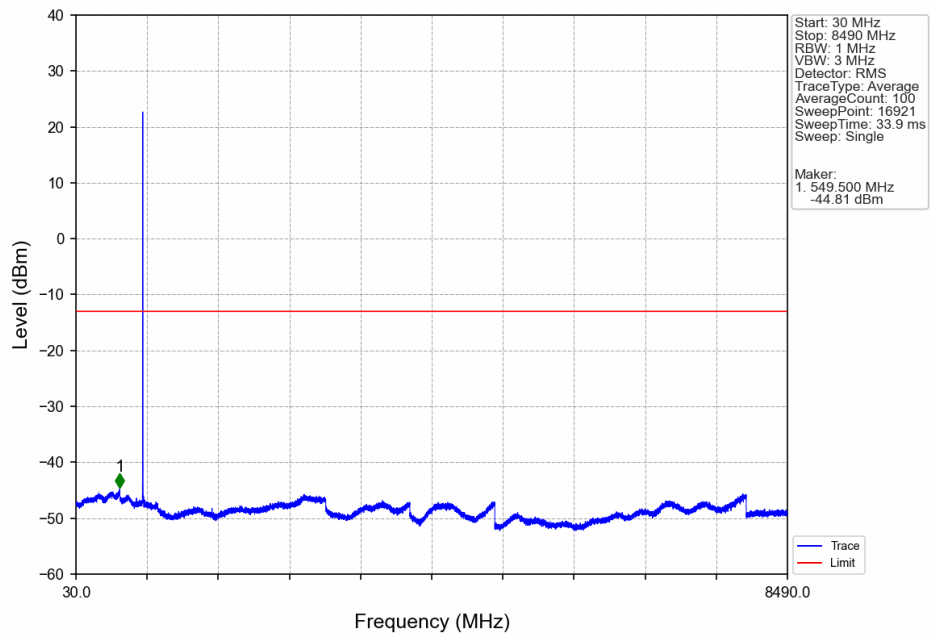
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

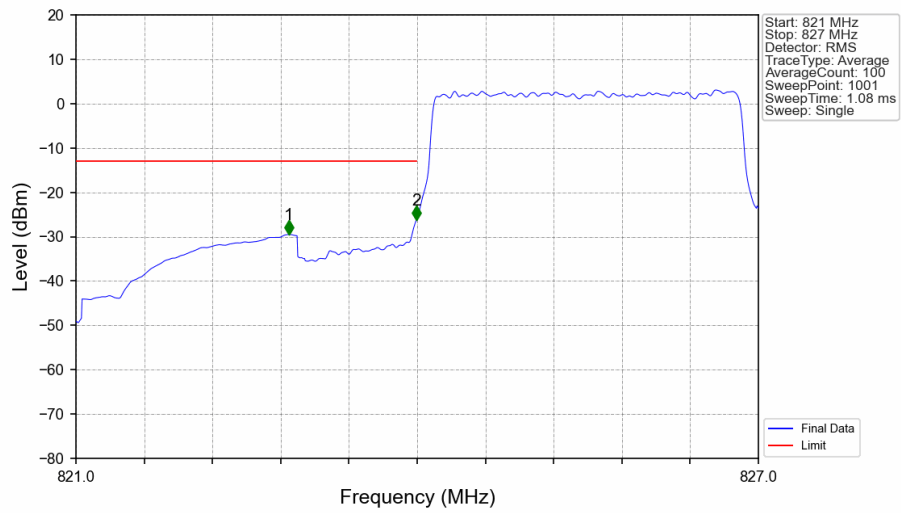


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.720	-46.54	-13	Pass
823	824	0.003	/	2	823.999	-30.56	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

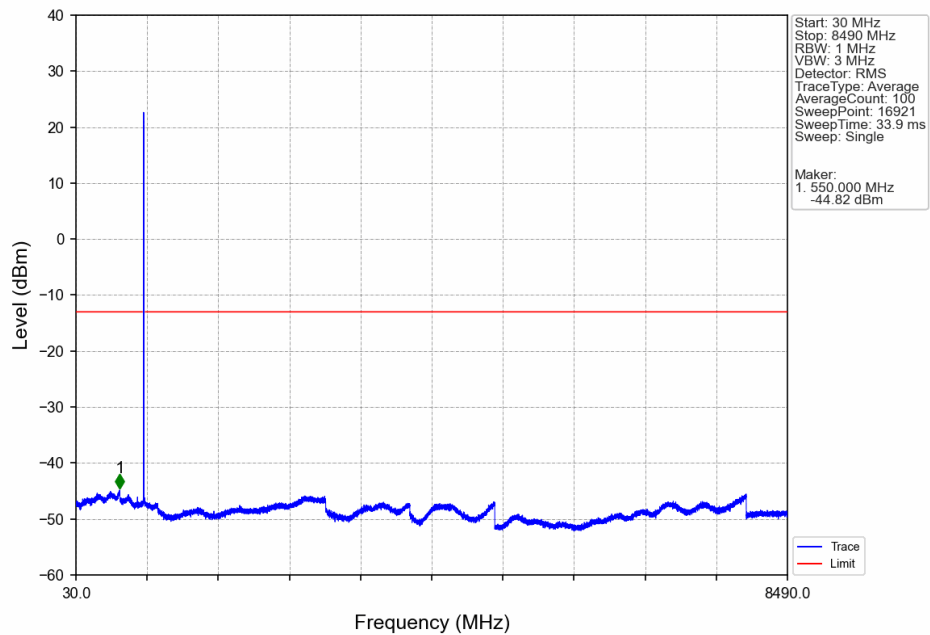


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

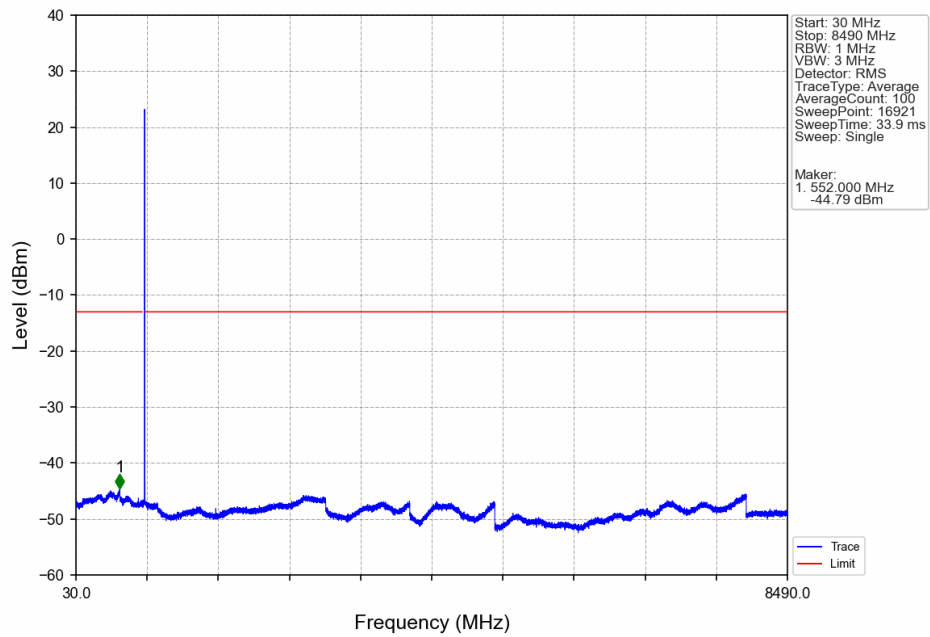


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.872	-29.52	-13	Pass
823	824	0.031	CHP	2	823.994	-26.15	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

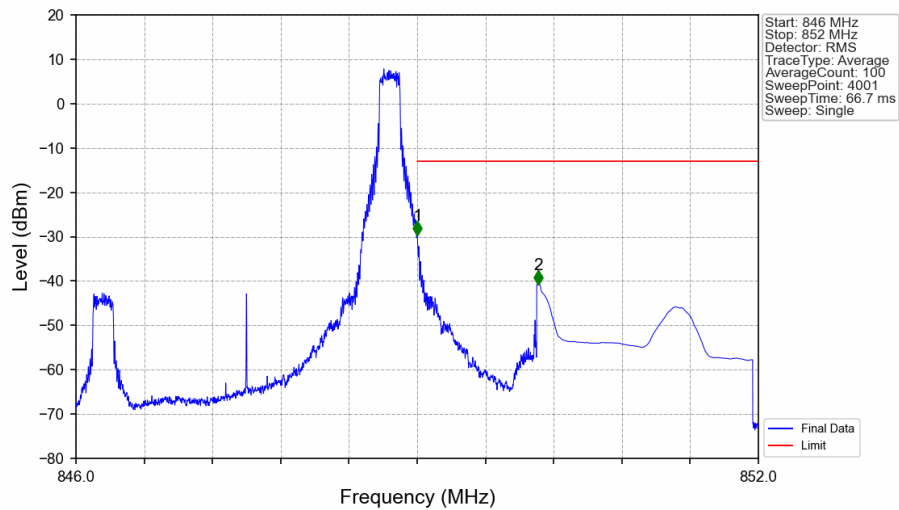
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

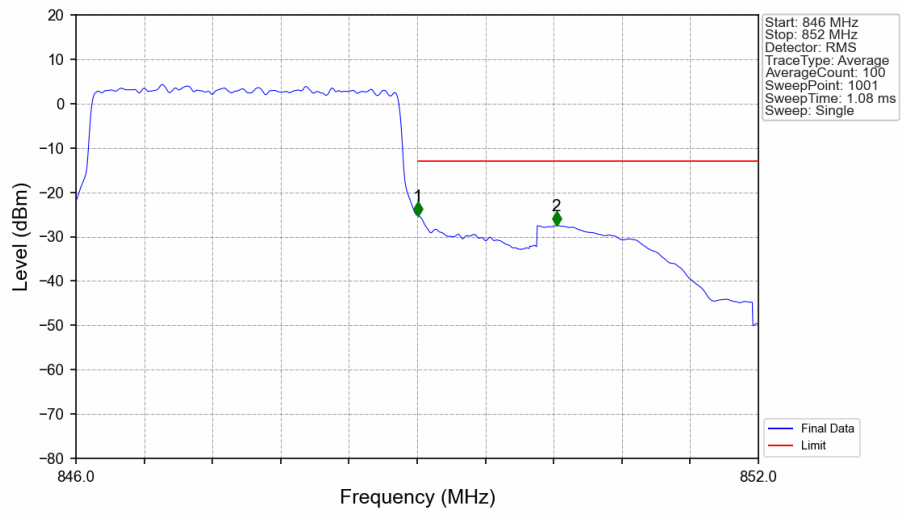


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	-29.59	-13	Pass
850	852	0.1	CHP	2	850.063	-40.81	-13	Pass

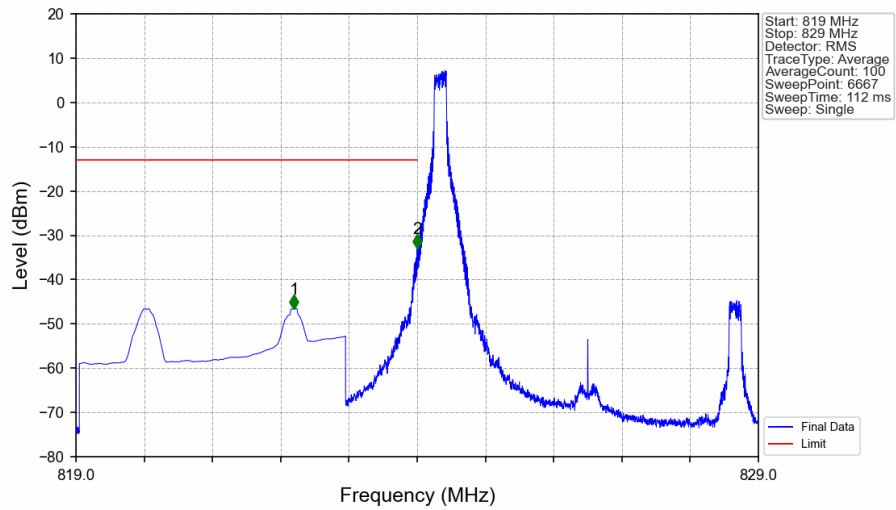
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-25.30	-13	Pass
850	852	0.1	CHP	2	850.224	-27.46	-13	Pass

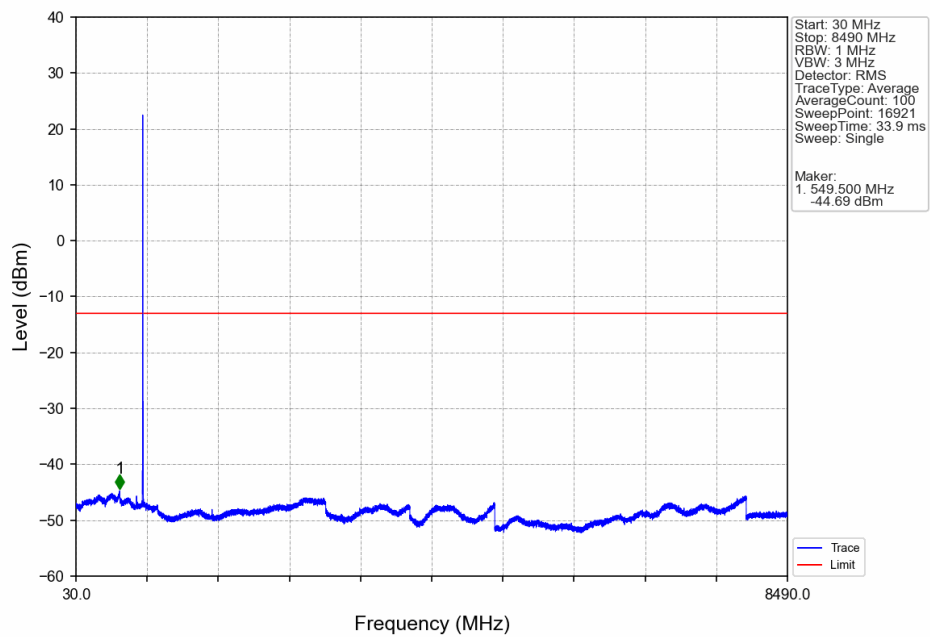
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

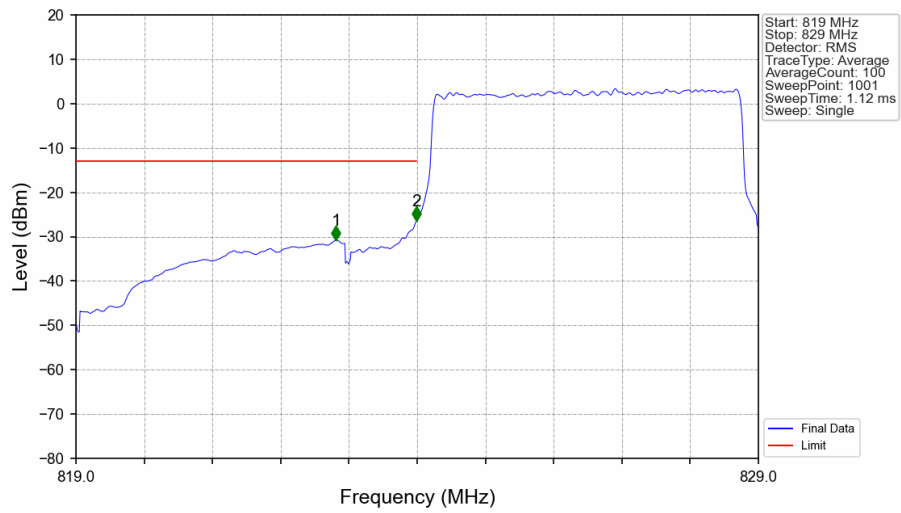


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.192	-46.54	-13	Pass
823	824	0.003	/	2	823.999	-32.93	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

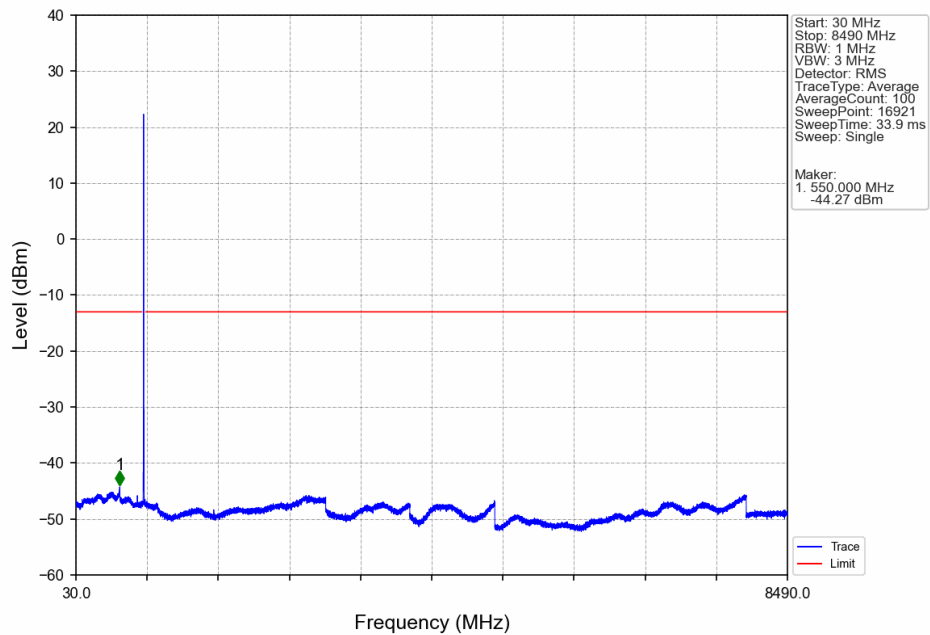


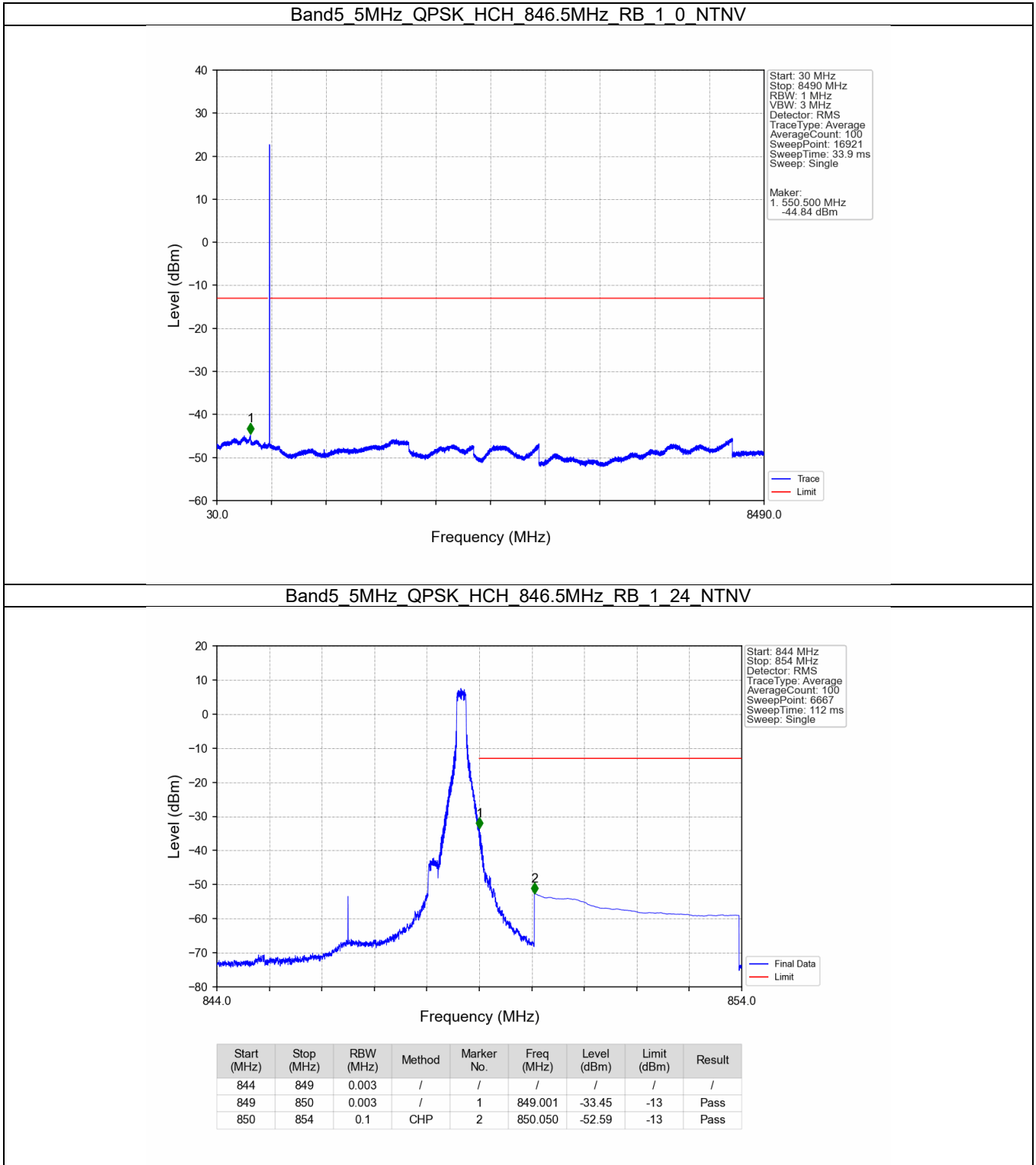
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



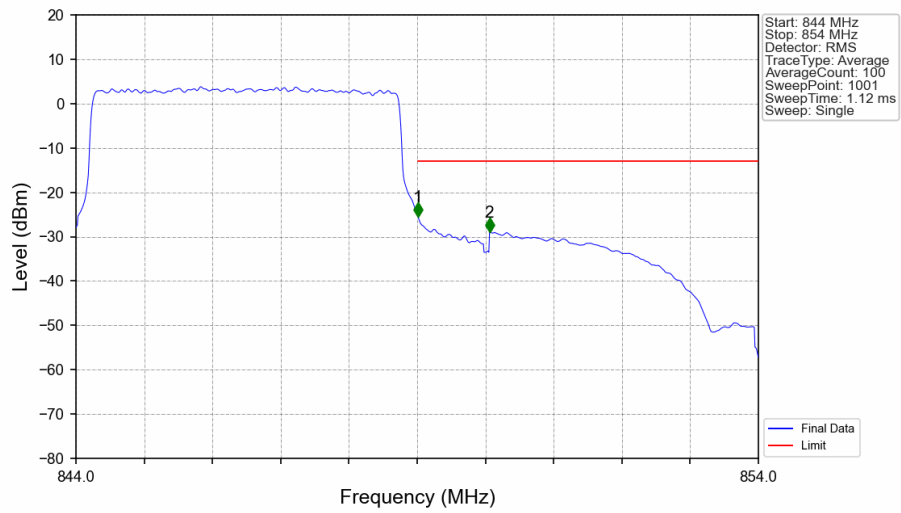
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.810	-30.80	-13	Pass
823	824	0.052	CHP	2	823.990	-26.31	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV





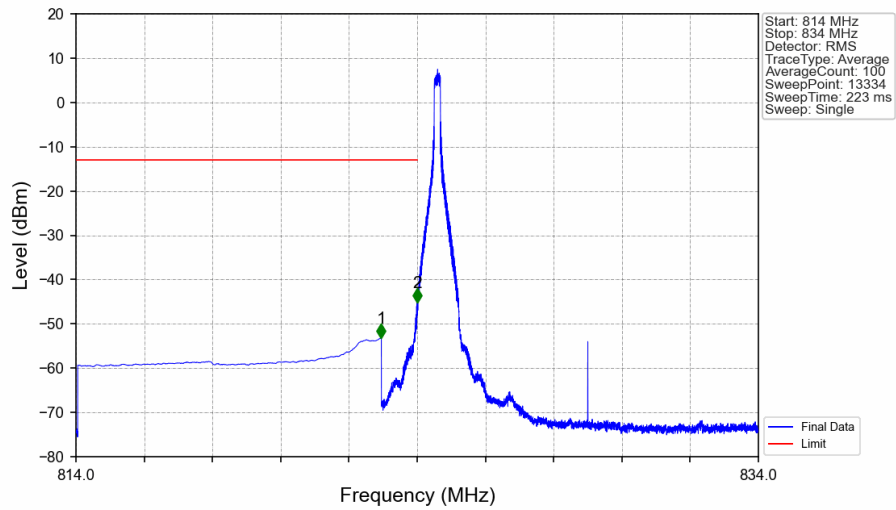
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.010	-25.43	-13	Pass
850	854	0.1	CHP	2	850.060	-28.93	-13	Pass

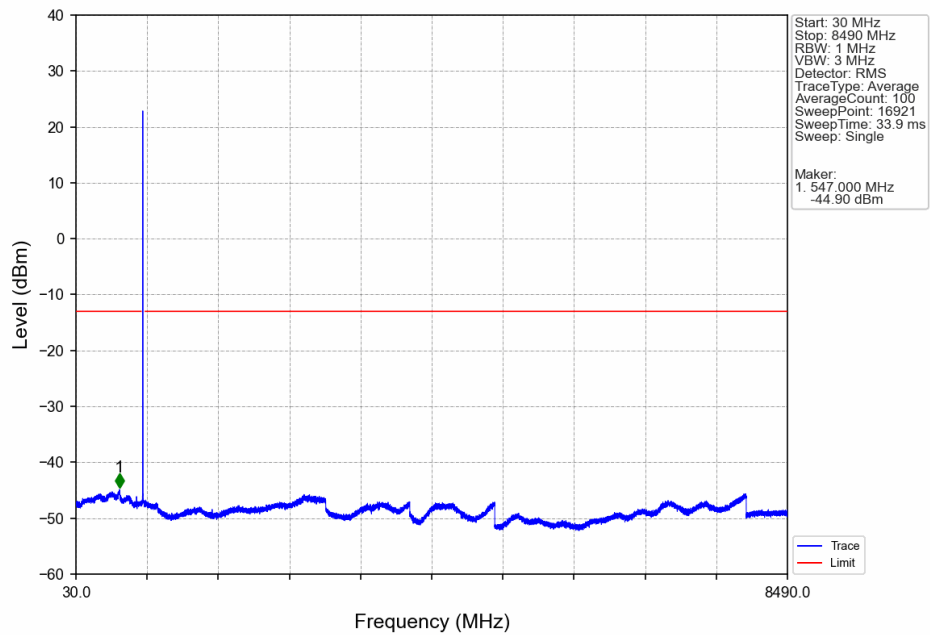
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

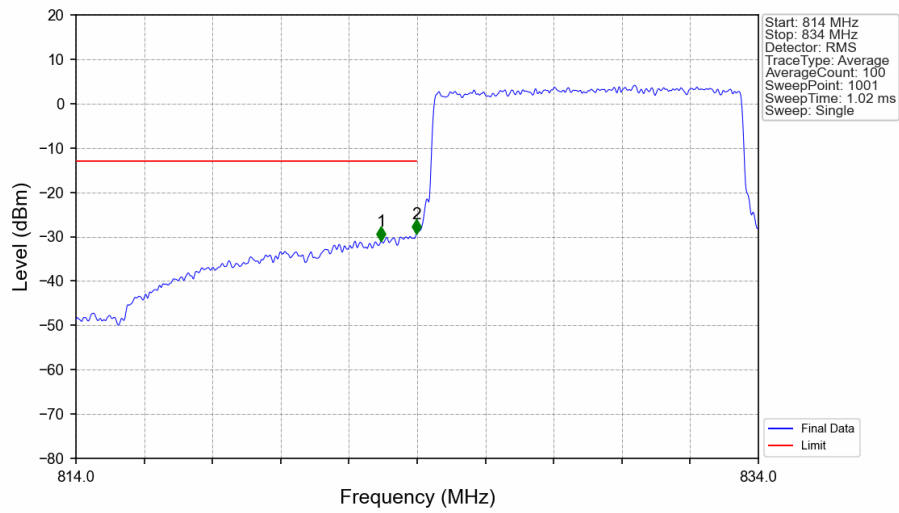


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.939	-53.21	-13	Pass
823	824	0.003	/	2	823.998	-45.14	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

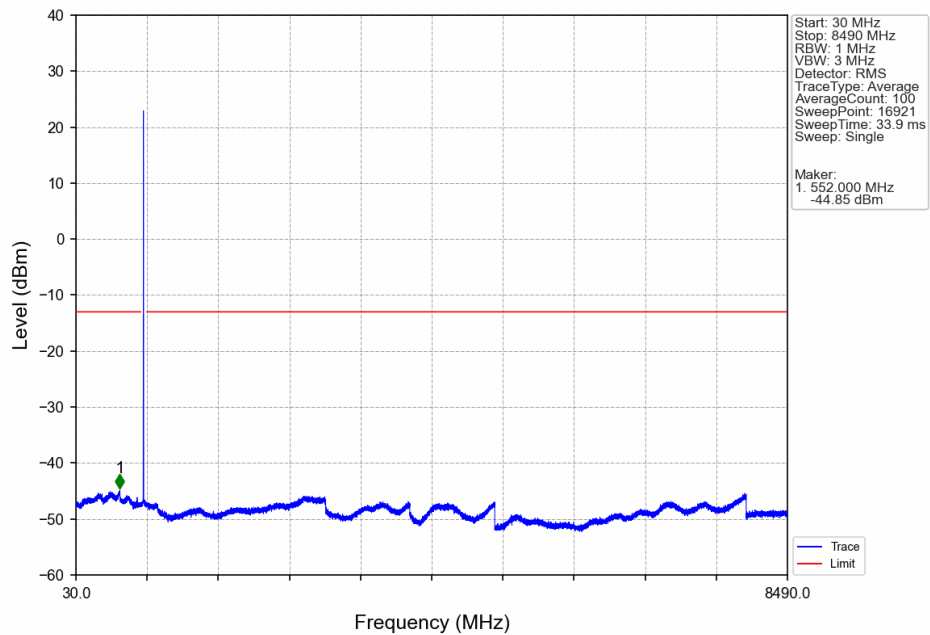


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

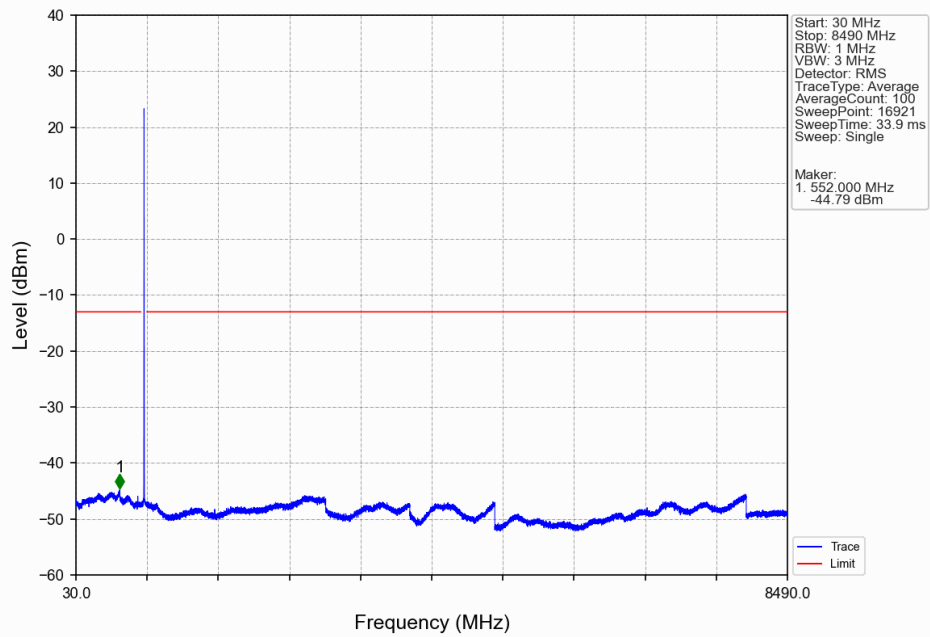


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.940	-30.94	-13	Pass
823	824	0.1	/	2	823.980	-29.28	-13	Pass
824	834	0.1	/	/	/	/	/	/

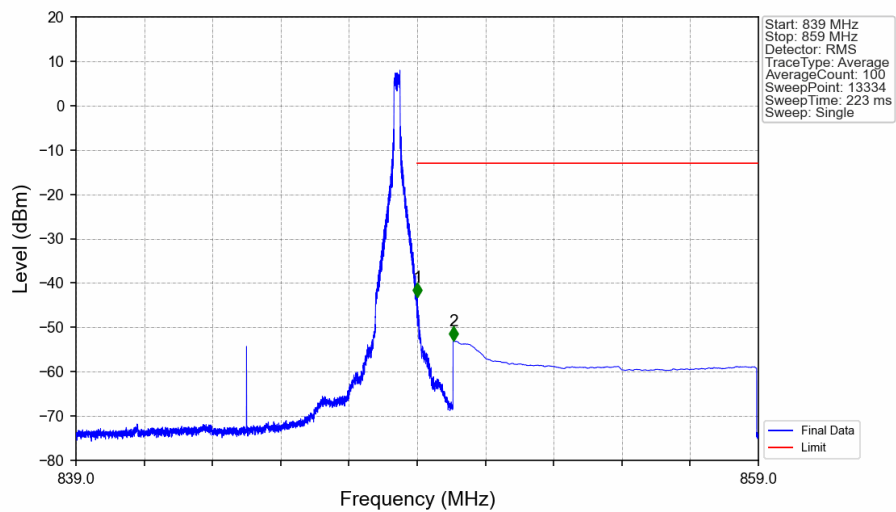
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

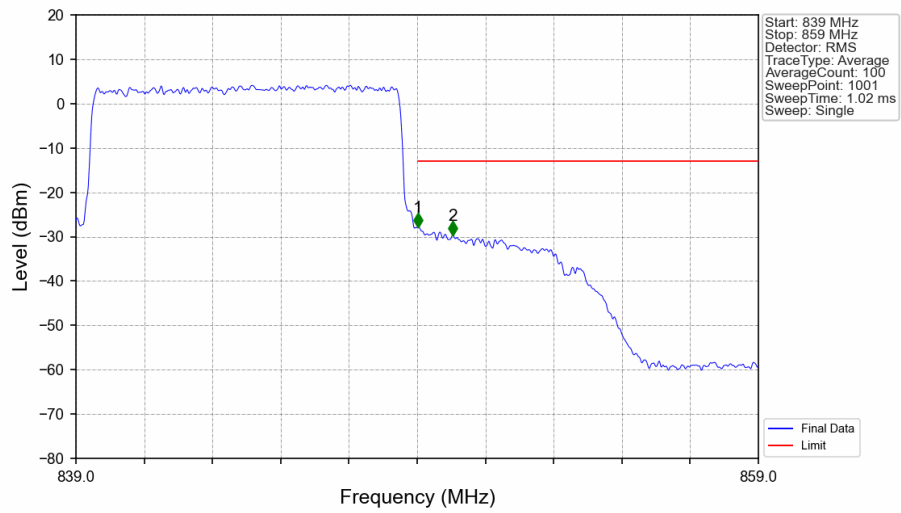


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.004	-43.10	-13	Pass
850	859	0.1	CHP	2	850.063	-53.05	-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	-27.77	-13	Pass
850	859	0.1	/	2	850.040	-29.61	-13	Pass

- End of the Appendix -