

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	23.65	-4.82	16.68	<=38.45	Pass
			2	23.54	-4.82	16.57	<=38.45	Pass
			5	23.37	-4.82	16.40	<=38.45	Pass
		3	0	23.81	-4.82	16.84	<=38.45	Pass
			2	23.71	-4.82	16.74	<=38.45	Pass
			3	23.64	-4.82	16.67	<=38.45	Pass
		6	0	22.81	-4.82	15.84	<=38.45	Pass
	836.5	1	0	23.83	-4.82	16.86	<=38.45	Pass
			2	23.73	-4.82	16.76	<=38.45	Pass
			5	23.77	-4.82	16.80	<=38.45	Pass
		3	0	23.71	-4.82	16.74	<=38.45	Pass
			2	23.76	-4.82	16.79	<=38.45	Pass
			3	23.69	-4.82	16.72	<=38.45	Pass
		6	0	22.88	-4.82	15.91	<=38.45	Pass
	848.3	1	0	24.00	-4.82	17.03	<=38.45	Pass
			2	23.68	-4.82	16.71	<=38.45	Pass
			5	23.97	-4.82	17.00	<=38.45	Pass
		3	0	23.82	-4.82	16.85	<=38.45	Pass
			2	23.93	-4.82	16.96	<=38.45	Pass
			3	23.98	-4.82	17.01	<=38.45	Pass
		6	0	22.87	-4.82	15.90	<=38.45	Pass
16QAM	824.7	1	0	23.01	-4.82	16.04	<=38.45	Pass
			2	22.94	-4.82	15.97	<=38.45	Pass
			5	22.84	-4.82	15.87	<=38.45	Pass
		3	0	22.69	-4.82	15.72	<=38.45	Pass
			2	22.67	-4.82	15.70	<=38.45	Pass
			3	22.74	-4.82	15.77	<=38.45	Pass
		6	0	21.86	-4.82	14.89	<=38.45	Pass
	836.5	1	0	22.74	-4.82	15.77	<=38.45	Pass
			2	23.14	-4.82	16.17	<=38.45	Pass
			5	23.16	-4.82	16.19	<=38.45	Pass
		3	0	22.91	-4.82	15.94	<=38.45	Pass
			2	22.48	-4.82	15.51	<=38.45	Pass
			3	22.71	-4.82	15.74	<=38.45	Pass
		6	0	21.96	-4.82	14.99	<=38.45	Pass
	848.3	1	0	22.74	-4.82	15.77	<=38.45	Pass
			2	23.13	-4.82	16.16	<=38.45	Pass
			5	22.95	-4.82	15.98	<=38.45	Pass
		3	0	22.57	-4.82	15.60	<=38.45	Pass
			2	22.89	-4.82	15.92	<=38.45	Pass
			3	22.87	-4.82	15.90	<=38.45	Pass
		6	0	22.01	-4.82	15.04	<=38.45	Pass
64QAM	824.7	1	0	21.82	-4.82	14.85	<=38.45	Pass
			2	21.94	-4.82	14.97	<=38.45	Pass
			5	21.78	-4.82	14.81	<=38.45	Pass
		3	0	21.80	-4.82	14.83	<=38.45	Pass
			2	21.77	-4.82	14.80	<=38.45	Pass
			3	21.94	-4.82	14.97	<=38.45	Pass
		6	0	20.86	-4.82	13.89	<=38.45	Pass

	836.5	1	0	21.88	-4.82	14.91	<=38.45	Pass
			2	21.89	-4.82	14.92	<=38.45	Pass
			5	21.76	-4.82	14.79	<=38.45	Pass
		3	0	21.93	-4.82	14.96	<=38.45	Pass
			2	21.96	-4.82	14.99	<=38.45	Pass
			3	21.99	-4.82	15.02	<=38.45	Pass
		6	0	20.84	-4.82	13.87	<=38.45	Pass
	848.3	1	0	22.12	-4.82	15.15	<=38.45	Pass
			2	22.06	-4.82	15.09	<=38.45	Pass
			5	21.80	-4.82	14.83	<=38.45	Pass
		3	0	21.96	-4.82	14.99	<=38.45	Pass
			2	21.98	-4.82	15.01	<=38.45	Pass
			3	21.97	-4.82	15.00	<=38.45	Pass
		6	0	20.95	-4.82	13.98	<=38.45	Pass
256QAM	824.7	1	0	18.84	-4.82	11.87	<=38.45	Pass
			2	18.85	-4.82	11.88	<=38.45	Pass
			5	18.99	-4.82	12.02	<=38.45	Pass
		3	0	18.88	-4.82	11.91	<=38.45	Pass
			2	18.97	-4.82	12.00	<=38.45	Pass
			3	18.97	-4.82	12.00	<=38.45	Pass
		6	0	18.85	-4.82	11.88	<=38.45	Pass
	836.5	1	0	18.92	-4.82	11.95	<=38.45	Pass
			2	19.02	-4.82	12.05	<=38.45	Pass
			5	18.94	-4.82	11.97	<=38.45	Pass
		3	0	18.80	-4.82	11.83	<=38.45	Pass
			2	18.95	-4.82	11.98	<=38.45	Pass
			3	18.91	-4.82	11.94	<=38.45	Pass
		6	0	18.85	-4.82	11.88	<=38.45	Pass
	848.3	1	0	19.06	-4.82	12.09	<=38.45	Pass
			2	18.93	-4.82	11.96	<=38.45	Pass
			5	18.99	-4.82	12.02	<=38.45	Pass
		3	0	19.09	-4.82	12.12	<=38.45	Pass
			2	19.06	-4.82	12.09	<=38.45	Pass
			3	19.08	-4.82	12.11	<=38.45	Pass
		6	0	19.00	-4.82	12.03	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.70	-4.82	16.73	<=38.45	Pass
			7	23.91	-4.82	16.94	<=38.45	Pass
			14	23.57	-4.82	16.60	<=38.45	Pass
		8	0	22.87	-4.82	15.90	<=38.45	Pass
			4	22.78	-4.82	15.81	<=38.45	Pass
			7	22.76	-4.82	15.79	<=38.45	Pass
		15	0	22.86	-4.82	15.89	<=38.45	Pass
	836.5	1	0	23.85	-4.82	16.88	<=38.45	Pass
			7	23.89	-4.82	16.92	<=38.45	Pass
			14	23.78	-4.82	16.81	<=38.45	Pass
		8	0	22.88	-4.82	15.91	<=38.45	Pass
			4	22.91	-4.82	15.94	<=38.45	Pass
			7	22.92	-4.82	15.95	<=38.45	Pass
		15	0	22.92	-4.82	15.95	<=38.45	Pass
	847.5	1	0	23.67	-4.82	16.70	<=38.45	Pass

		8	7	23.84	-4.82	16.87	<=38.45	Pass
			14	23.89	-4.82	16.92	<=38.45	Pass
			0	22.91	-4.82	15.94	<=38.45	Pass
			4	22.92	-4.82	15.95	<=38.45	Pass
			7	22.86	-4.82	15.89	<=38.45	Pass
		15	0	22.64	-4.82	15.67	<=38.45	Pass
16QAM	825.5	1	0	22.98	-4.82	16.01	<=38.45	Pass
			7	22.78	-4.82	15.81	<=38.45	Pass
			14	22.89	-4.82	15.92	<=38.45	Pass
		8	0	21.85	-4.82	14.88	<=38.45	Pass
			4	21.73	-4.82	14.76	<=38.45	Pass
			7	21.72	-4.82	14.75	<=38.45	Pass
		15	0	21.86	-4.82	14.89	<=38.45	Pass
	836.5	1	0	23.14	-4.82	16.17	<=38.45	Pass
			7	22.96	-4.82	15.99	<=38.45	Pass
			14	23.04	-4.82	16.07	<=38.45	Pass
		8	0	21.85	-4.82	14.88	<=38.45	Pass
			4	22.01	-4.82	15.04	<=38.45	Pass
			7	22.01	-4.82	15.04	<=38.45	Pass
		15	0	21.91	-4.82	14.94	<=38.45	Pass
	847.5	1	0	23.09	-4.82	16.12	<=38.45	Pass
			7	23.05	-4.82	16.08	<=38.45	Pass
			14	22.93	-4.82	15.96	<=38.45	Pass
		8	0	21.98	-4.82	15.01	<=38.45	Pass
			4	21.92	-4.82	14.95	<=38.45	Pass
			7	21.92	-4.82	14.95	<=38.45	Pass
		15	0	21.97	-4.82	15.00	<=38.45	Pass
64QAM	825.5	1	0	21.95	-4.82	14.98	<=38.45	Pass
			7	21.81	-4.82	14.84	<=38.45	Pass
			14	21.23	-4.82	14.26	<=38.45	Pass
		8	0	20.96	-4.82	13.99	<=38.45	Pass
			4	20.89	-4.82	13.92	<=38.45	Pass
			7	20.87	-4.82	13.90	<=38.45	Pass
		15	0	20.76	-4.82	13.79	<=38.45	Pass
	836.5	1	0	22.00	-4.82	15.03	<=38.45	Pass
			7	21.80	-4.82	14.83	<=38.45	Pass
			14	21.40	-4.82	14.43	<=38.45	Pass
		8	0	21.02	-4.82	14.05	<=38.45	Pass
			4	20.97	-4.82	14.00	<=38.45	Pass
			7	21.01	-4.82	14.04	<=38.45	Pass
		15	0	20.92	-4.82	13.95	<=38.45	Pass
	847.5	1	0	21.91	-4.82	14.94	<=38.45	Pass
			7	22.12	-4.82	15.15	<=38.45	Pass
			14	21.59	-4.82	14.62	<=38.45	Pass
		8	0	21.08	-4.82	14.11	<=38.45	Pass
			4	20.99	-4.82	14.02	<=38.45	Pass
			7	20.95	-4.82	13.98	<=38.45	Pass
		15	0	21.01	-4.82	14.04	<=38.45	Pass
256QAM	825.5	1	0	18.88	-4.82	11.91	<=38.45	Pass
			7	18.86	-4.82	11.89	<=38.45	Pass
			14	18.86	-4.82	11.89	<=38.45	Pass
		8	0	18.92	-4.82	11.95	<=38.45	Pass
			4	18.87	-4.82	11.90	<=38.45	Pass
			7	18.85	-4.82	11.88	<=38.45	Pass
		15	0	18.72	-4.82	11.75	<=38.45	Pass
	836.5	1	0	19.09	-4.82	12.12	<=38.45	Pass
			7	18.97	-4.82	12.00	<=38.45	Pass
			14	18.91	-4.82	11.94	<=38.45	Pass
		8	0	18.90	-4.82	11.93	<=38.45	Pass

		15	4	18.90	-4.82	11.93	<=38.45	Pass
			7	18.91	-4.82	11.94	<=38.45	Pass
			0	18.91	-4.82	11.94	<=38.45	Pass
	847.5	1	0	19.08	-4.82	12.11	<=38.45	Pass
			7	19.00	-4.82	12.03	<=38.45	Pass
			14	19.00	-4.82	12.03	<=38.45	Pass
		8	0	18.98	-4.82	12.01	<=38.45	Pass
			4	18.95	-4.82	11.98	<=38.45	Pass
			7	18.96	-4.82	11.99	<=38.45	Pass
		15	0	18.95	-4.82	11.98	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.85	-4.82	16.88	<=38.45	Pass
			13	23.64	-4.82	16.67	<=38.45	Pass
			24	23.91	-4.82	16.94	<=38.45	Pass
		12	0	23.00	-4.82	16.03	<=38.45	Pass
			6	22.93	-4.82	15.96	<=38.45	Pass
			13	22.90	-4.82	15.93	<=38.45	Pass
		25	0	22.93	-4.82	15.96	<=38.45	Pass
	836.5	1	0	24.02	-4.82	17.05	<=38.45	Pass
			13	23.88	-4.82	16.91	<=38.45	Pass
			24	23.80	-4.82	16.83	<=38.45	Pass
		12	0	22.97	-4.82	16.00	<=38.45	Pass
			6	22.93	-4.82	15.96	<=38.45	Pass
			13	22.98	-4.82	16.01	<=38.45	Pass
		25	0	22.97	-4.82	16.00	<=38.45	Pass
	846.5	1	0	23.87	-4.82	16.90	<=38.45	Pass
			13	23.80	-4.82	16.83	<=38.45	Pass
			24	23.91	-4.82	16.94	<=38.45	Pass
		12	0	23.06	-4.82	16.09	<=38.45	Pass
			6	23.01	-4.82	16.04	<=38.45	Pass
			13	22.96	-4.82	15.99	<=38.45	Pass
		25	0	23.02	-4.82	16.05	<=38.45	Pass
16QAM	826.5	1	0	22.95	-4.82	15.98	<=38.45	Pass
			13	22.48	-4.82	15.51	<=38.45	Pass
			24	22.81	-4.82	15.84	<=38.45	Pass
		12	0	21.96	-4.82	14.99	<=38.45	Pass
			6	21.92	-4.82	14.95	<=38.45	Pass
			13	21.90	-4.82	14.93	<=38.45	Pass
		25	0	21.94	-4.82	14.97	<=38.45	Pass
	836.5	1	0	23.11	-4.82	16.14	<=38.45	Pass
			13	22.79	-4.82	15.82	<=38.45	Pass
			24	23.10	-4.82	16.13	<=38.45	Pass
		12	0	21.95	-4.82	14.98	<=38.45	Pass
			6	21.94	-4.82	14.97	<=38.45	Pass
			13	22.00	-4.82	15.03	<=38.45	Pass
		25	0	21.97	-4.82	15.00	<=38.45	Pass
	846.5	1	0	22.97	-4.82	16.00	<=38.45	Pass
			13	23.01	-4.82	16.04	<=38.45	Pass
			24	22.99	-4.82	16.02	<=38.45	Pass
		12	0	22.05	-4.82	15.08	<=38.45	Pass
			6	22.01	-4.82	15.04	<=38.45	Pass

			13	21.96	-4.82	14.99	<=38.45	Pass		
		25	0	22.04	-4.82	15.07	<=38.45	Pass		
64QAM	826.5	1	0	21.82	-4.82	14.85	<=38.45	Pass		
			13	21.76	-4.82	14.79	<=38.45	Pass		
			24	21.72	-4.82	14.75	<=38.45	Pass		
			0	21.03	-4.82	14.06	<=38.45	Pass		
		12	6	20.92	-4.82	13.95	<=38.45	Pass		
			13	20.92	-4.82	13.95	<=38.45	Pass		
			25	0	20.92	-4.82	13.95	<=38.45	Pass	
		836.5	1	0	22.11	-4.82	15.14	<=38.45	Pass	
				13	22.13	-4.82	15.16	<=38.45	Pass	
	24			21.97	-4.82	15.00	<=38.45	Pass		
	0			20.98	-4.82	14.01	<=38.45	Pass		
	12		6	21.01	-4.82	14.04	<=38.45	Pass		
			13	20.95	-4.82	13.98	<=38.45	Pass		
			25	0	20.98	-4.82	14.01	<=38.45	Pass	
	846.5		1	0	21.83	-4.82	14.86	<=38.45	Pass	
				13	21.77	-4.82	14.80	<=38.45	Pass	
		24		21.98	-4.82	15.01	<=38.45	Pass		
		0		21.13	-4.82	14.16	<=38.45	Pass		
		12	6	21.11	-4.82	14.14	<=38.45	Pass		
			13	21.06	-4.82	14.09	<=38.45	Pass		
			25	0	21.07	-4.82	14.10	<=38.45	Pass	
		256QAM	826.5	1	0	18.99	-4.82	12.02	<=38.45	Pass
					13	18.67	-4.82	11.70	<=38.45	Pass
24	18.87				-4.82	11.90	<=38.45	Pass		
12	0			18.96	-4.82	11.99	<=38.45	Pass		
	6			18.88	-4.82	11.91	<=38.45	Pass		
	13			18.82	-4.82	11.85	<=38.45	Pass		
25	0			18.92	-4.82	11.95	<=38.45	Pass		
836.5	1		0	19.05	-4.82	12.08	<=38.45	Pass		
			13	19.05	-4.82	12.08	<=38.45	Pass		
			24	18.94	-4.82	11.97	<=38.45	Pass		
	12		0	18.95	-4.82	11.98	<=38.45	Pass		
			6	18.96	-4.82	11.99	<=38.45	Pass		
			13	18.96	-4.82	11.99	<=38.45	Pass		
	25		0	18.89	-4.82	11.92	<=38.45	Pass		
846.5	1		0	19.05	-4.82	12.08	<=38.45	Pass		
			13	19.13	-4.82	12.16	<=38.45	Pass		
			24	19.08	-4.82	12.11	<=38.45	Pass		
	12		0	19.02	-4.82	12.05	<=38.45	Pass		
			6	19.04	-4.82	12.07	<=38.45	Pass		
			13	19.02	-4.82	12.05	<=38.45	Pass		
	25		0	19.01	-4.82	12.04	<=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	23.82	-4.82	16.85	<=38.45	Pass
			25	23.75	-4.82	16.78	<=38.45	Pass
			49	23.97	-4.82	17.00	<=38.45	Pass
		25	0	22.98	-4.82	16.01	<=38.45	Pass
			13	22.95	-4.82	15.98	<=38.45	Pass
			25	22.90	-4.82	15.93	<=38.45	Pass

	836.5	50	0	22.96	-4.82	15.99	<=38.45	Pass	
		1	0	23.90	-4.82	16.93	<=38.45	Pass	
			25	23.81	-4.82	16.84	<=38.45	Pass	
			49	23.70	-4.82	16.73	<=38.45	Pass	
			0	22.97	-4.82	16.00	<=38.45	Pass	
		25	13	22.96	-4.82	15.99	<=38.45	Pass	
			25	23.02	-4.82	16.05	<=38.45	Pass	
			0	22.97	-4.82	16.00	<=38.45	Pass	
		844	1	0	23.97	-4.82	17.00	<=38.45	Pass
				25	23.65	-4.82	16.68	<=38.45	Pass
	49			23.95	-4.82	16.98	<=38.45	Pass	
	25		0	22.40	-4.82	15.43	<=38.45	Pass	
			13	22.96	-4.82	15.99	<=38.45	Pass	
			25	22.94	-4.82	15.97	<=38.45	Pass	
	50	0	22.41	-4.82	15.44	<=38.45	Pass		
	16QAM	829	1	0	23.05	-4.82	16.08	<=38.45	Pass
25				22.90	-4.82	15.93	<=38.45	Pass	
49				22.60	-4.82	15.63	<=38.45	Pass	
25			0	22.00	-4.82	15.03	<=38.45	Pass	
			13	21.95	-4.82	14.98	<=38.45	Pass	
			25	21.88	-4.82	14.91	<=38.45	Pass	
50			0	21.96	-4.82	14.99	<=38.45	Pass	
836.5		1	0	23.12	-4.82	16.15	<=38.45	Pass	
			25	23.11	-4.82	16.14	<=38.45	Pass	
			49	22.48	-4.82	15.51	<=38.45	Pass	
		25	0	21.93	-4.82	14.96	<=38.45	Pass	
			13	21.82	-4.82	14.85	<=38.45	Pass	
			25	22.00	-4.82	15.03	<=38.45	Pass	
		50	0	21.96	-4.82	14.99	<=38.45	Pass	
844		1	0	22.99	-4.82	16.02	<=38.45	Pass	
			25	22.96	-4.82	15.99	<=38.45	Pass	
			49	23.16	-4.82	16.19	<=38.45	Pass	
		25	0	21.96	-4.82	14.99	<=38.45	Pass	
			13	21.98	-4.82	15.01	<=38.45	Pass	
			25	21.95	-4.82	14.98	<=38.45	Pass	
		50	0	21.96	-4.82	14.99	<=38.45	Pass	
64QAM		829	1	0	21.93	-4.82	14.96	<=38.45	Pass
				25	21.71	-4.82	14.74	<=38.45	Pass
				49	21.94	-4.82	14.97	<=38.45	Pass
	25		0	20.95	-4.82	13.98	<=38.45	Pass	
			13	20.90	-4.82	13.93	<=38.45	Pass	
			25	20.90	-4.82	13.93	<=38.45	Pass	
	50		0	20.91	-4.82	13.94	<=38.45	Pass	
	836.5	1	0	21.66	-4.82	14.69	<=38.45	Pass	
			25	21.73	-4.82	14.76	<=38.45	Pass	
			49	21.72	-4.82	14.75	<=38.45	Pass	
		25	0	20.95	-4.82	13.98	<=38.45	Pass	
			13	20.90	-4.82	13.93	<=38.45	Pass	
			25	20.99	-4.82	14.02	<=38.45	Pass	
		50	0	20.96	-4.82	13.99	<=38.45	Pass	
	844	1	0	21.57	-4.82	14.60	<=38.45	Pass	
			25	21.65	-4.82	14.68	<=38.45	Pass	
			49	21.67	-4.82	14.70	<=38.45	Pass	
		25	0	21.03	-4.82	14.06	<=38.45	Pass	
			13	20.99	-4.82	14.02	<=38.45	Pass	
			25	20.97	-4.82	14.00	<=38.45	Pass	
50	0	20.99	-4.82	14.02	<=38.45	Pass			
256QAM	829	1	0	18.99	-4.82	12.02	<=38.45	Pass	
			25	18.87	-4.82	11.90	<=38.45	Pass	

			49	18.94	-4.82	11.97	<=38.45	Pass
		25	0	18.92	-4.82	11.95	<=38.45	Pass
			13	18.87	-4.82	11.90	<=38.45	Pass
			25	18.89	-4.82	11.92	<=38.45	Pass
		50	0	18.89	-4.82	11.92	<=38.45	Pass
	836.5	1	0	18.98	-4.82	12.01	<=38.45	Pass
			25	19.06	-4.82	12.09	<=38.45	Pass
			49	19.03	-4.82	12.06	<=38.45	Pass
		25	0	18.90	-4.82	11.93	<=38.45	Pass
			13	18.90	-4.82	11.93	<=38.45	Pass
			25	18.95	-4.82	11.98	<=38.45	Pass
		50	0	18.92	-4.82	11.95	<=38.45	Pass
		844	1	0	18.71	-4.82	11.74	<=38.45
	25			18.89	-4.82	11.92	<=38.45	Pass
	49			19.09	-4.82	12.12	<=38.45	Pass
	25		0	19.00	-4.82	12.03	<=38.45	Pass
			13	18.97	-4.82	12.00	<=38.45	Pass
			25	18.95	-4.82	11.98	<=38.45	Pass
	50		0	18.95	-4.82	11.98	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	LV	-3.000	-0.0036	-2.5 to 2.5	Pass
					NV	-10.500	-0.0126	-2.5 to 2.5	Pass
					HV	-4.900	-0.0059	-2.5 to 2.5	Pass
				-30	NV	1.700	0.0020	-2.5 to 2.5	Pass
				-20	NV	-6.500	-0.0078	-2.5 to 2.5	Pass
				-10	NV	-3.800	-0.0045	-2.5 to 2.5	Pass
				0	NV	-1.900	-0.0023	-2.5 to 2.5	Pass
				10	NV	-6.100	-0.0073	-2.5 to 2.5	Pass
				30	NV	-2.800	-0.0033	-2.5 to 2.5	Pass
				40	NV	-5.900	-0.0071	-2.5 to 2.5	Pass
				50	NV	-6.600	-0.0079	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

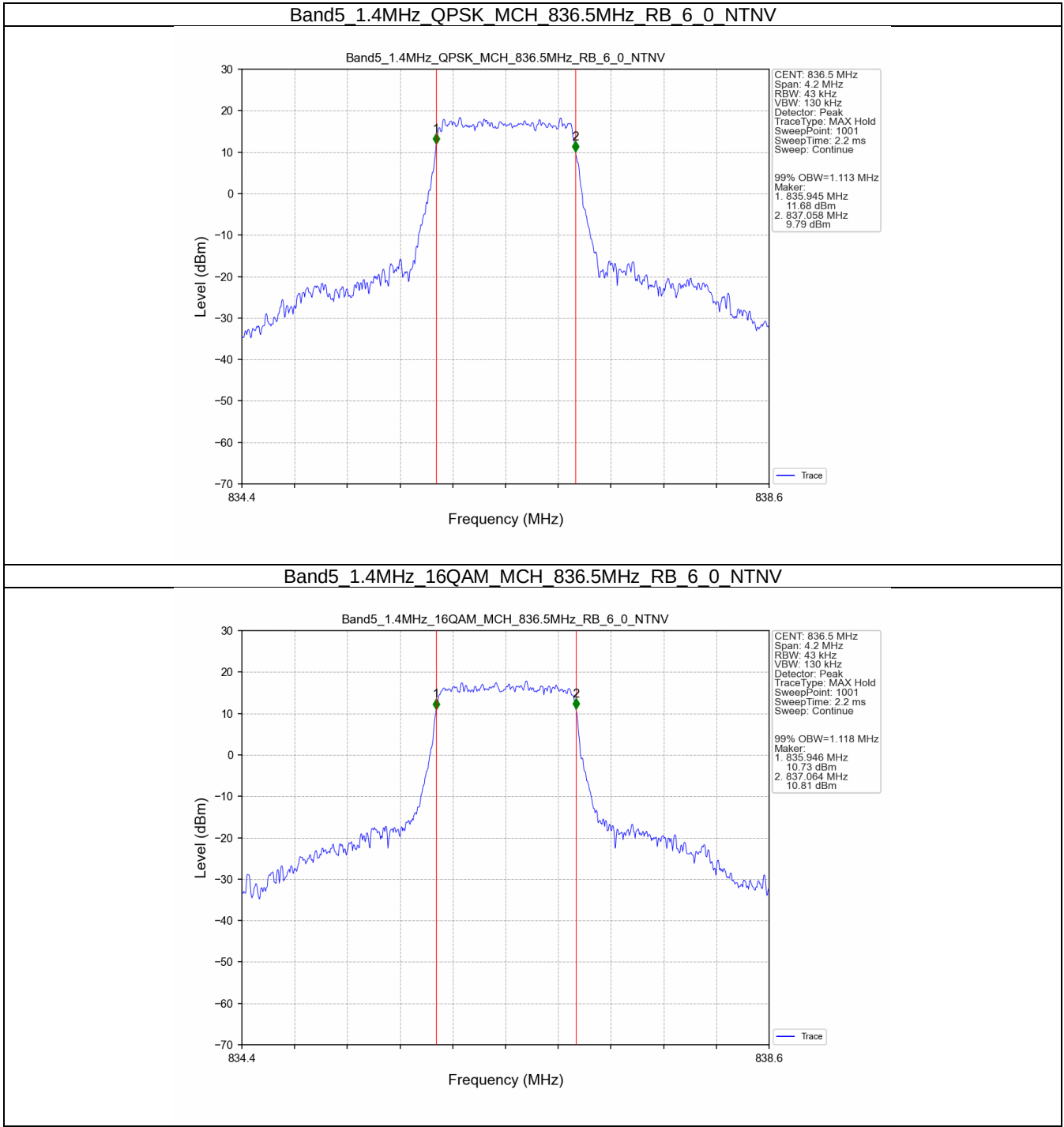
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.113	/	Pass
	16QAM	836.5	6	0	1.118	/	Pass
	64QAM	836.5	6	0	1.114	/	Pass
	256QAM	836.5	6	0	1.107	/	Pass
3	QPSK	836.5	15	0	2.733	/	Pass
	16QAM	836.5	15	0	2.720	/	Pass
	64QAM	836.5	15	0	2.727	/	Pass
	256QAM	836.5	15	0	2.736	/	Pass
5	QPSK	836.5	25	0	4.536	/	Pass
	16QAM	836.5	25	0	4.548	/	Pass
	64QAM	836.5	25	0	4.544	/	Pass
	256QAM	836.5	25	0	4.526	/	Pass
10	QPSK	836.5	50	0	9.079	/	Pass
	16QAM	836.5	50	0	9.024	/	Pass
	64QAM	836.5	50	0	9.054	/	Pass
	256QAM	836.5	50	0	9.041	/	Pass

3.1.2 Band5_XDB

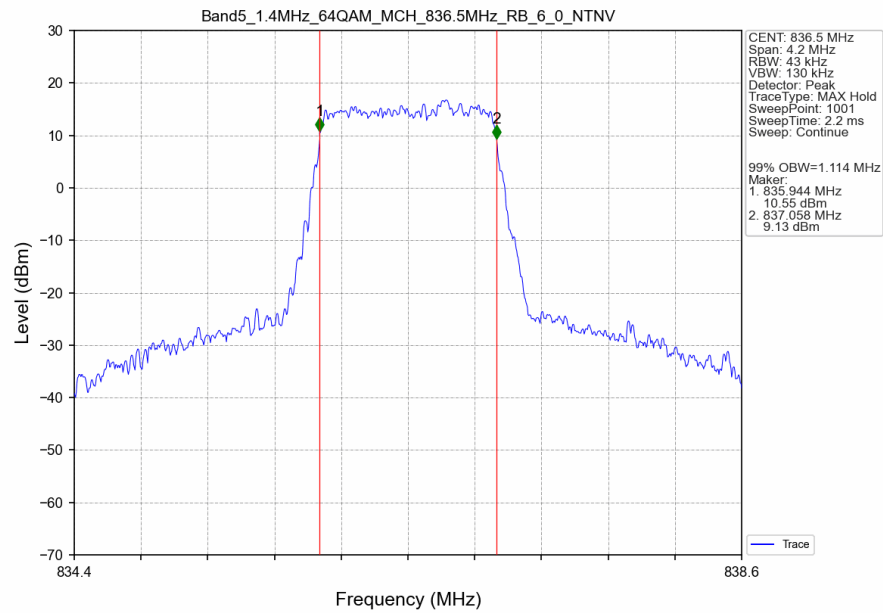
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.333	/	Pass
	16QAM	836.5	6	0	1.327	/	Pass
	64QAM	836.5	6	0	1.315	/	Pass
	256QAM	836.5	6	0	1.309	/	Pass
3	QPSK	836.5	15	0	3.034	/	Pass
	16QAM	836.5	15	0	3.034	/	Pass
	64QAM	836.5	15	0	3.011	/	Pass
	256QAM	836.5	15	0	3.020	/	Pass
5	QPSK	836.5	25	0	5.032	/	Pass
	16QAM	836.5	25	0	5.059	/	Pass
	64QAM	836.5	25	0	5.038	/	Pass
	256QAM	836.5	25	0	5.002	/	Pass
10	QPSK	836.5	50	0	9.926	/	Pass
	16QAM	836.5	50	0	9.890	/	Pass
	64QAM	836.5	50	0	9.970	/	Pass
	256QAM	836.5	50	0	9.883	/	Pass

3.2 Test Graph

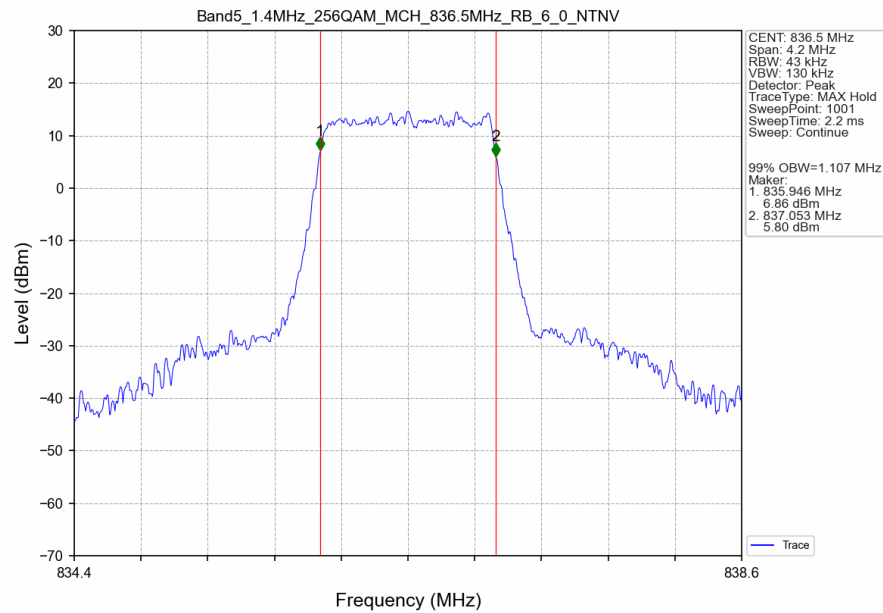
3.2.1 Band5_OBW



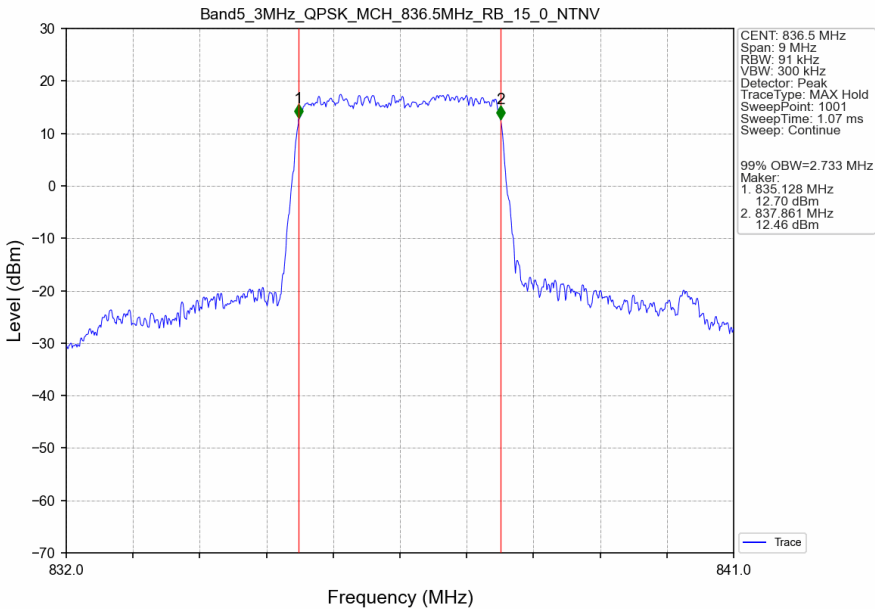
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTV



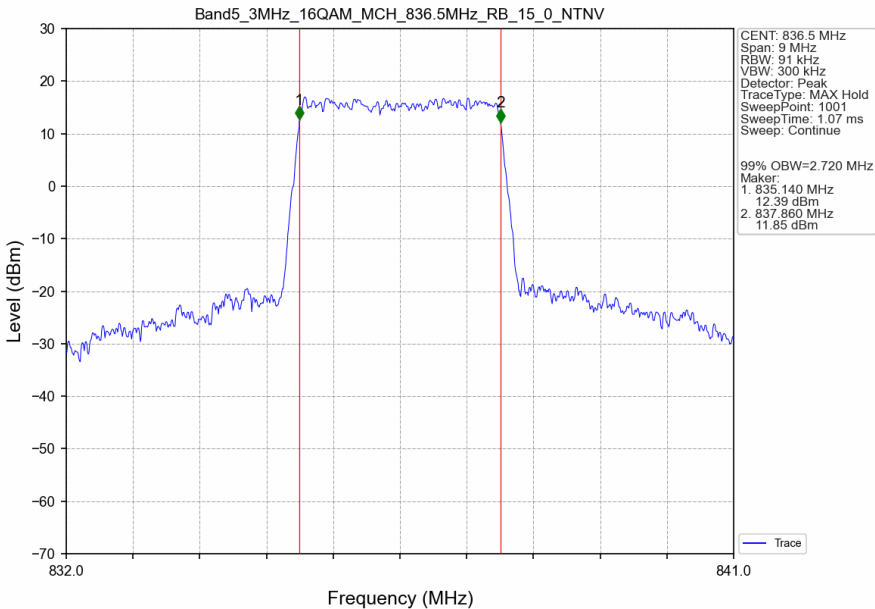
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTV



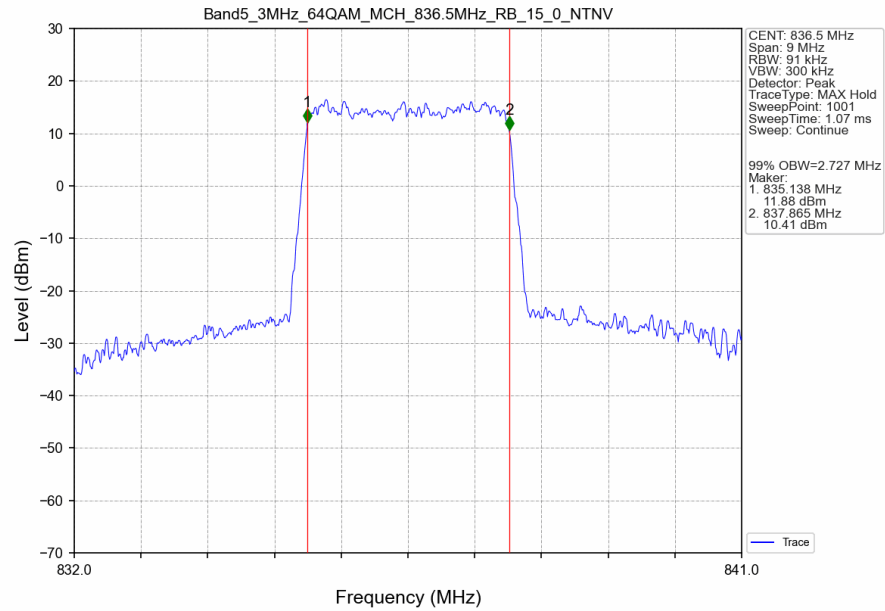
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



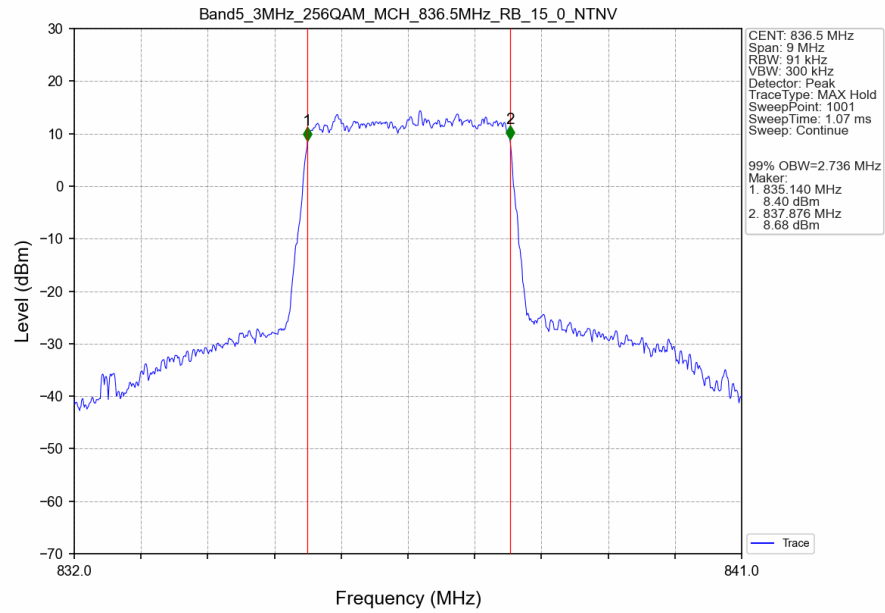
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



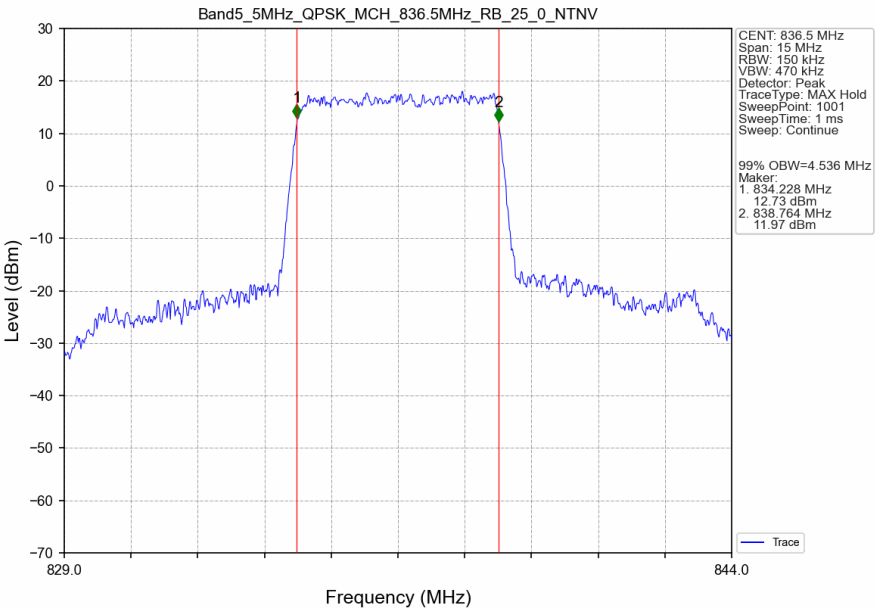
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



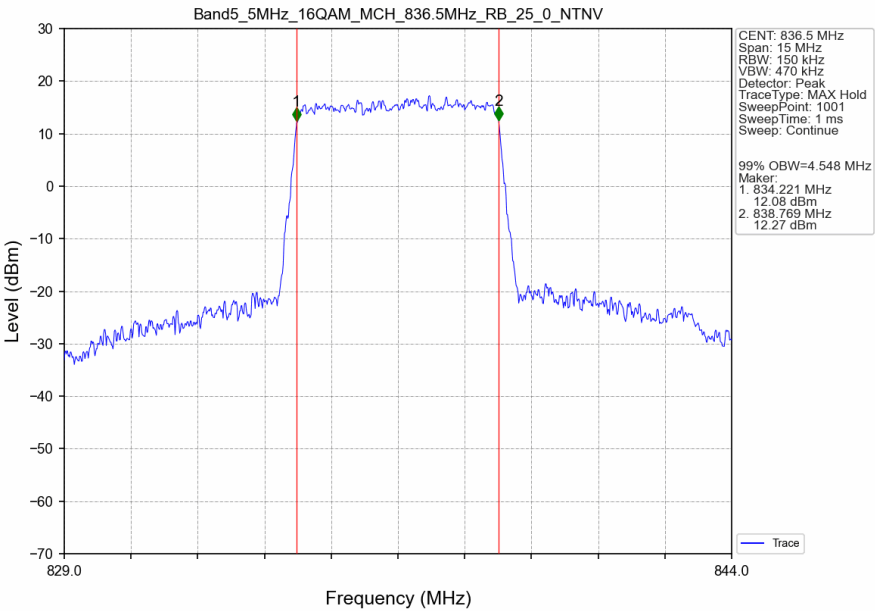
Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



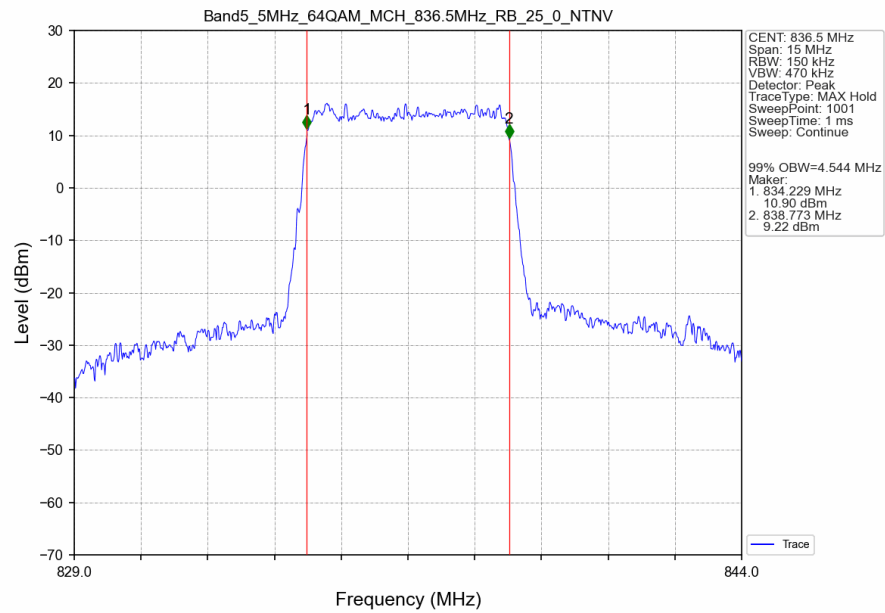
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



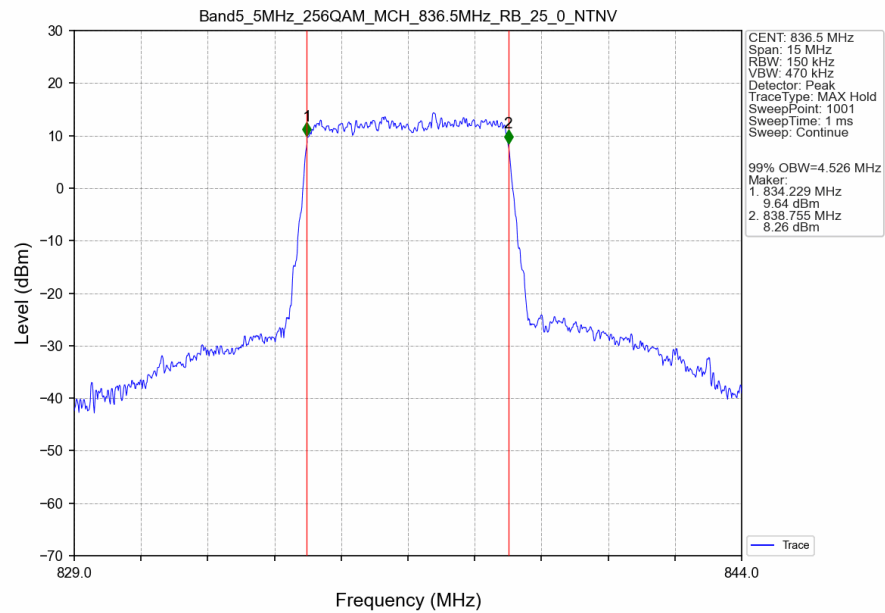
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



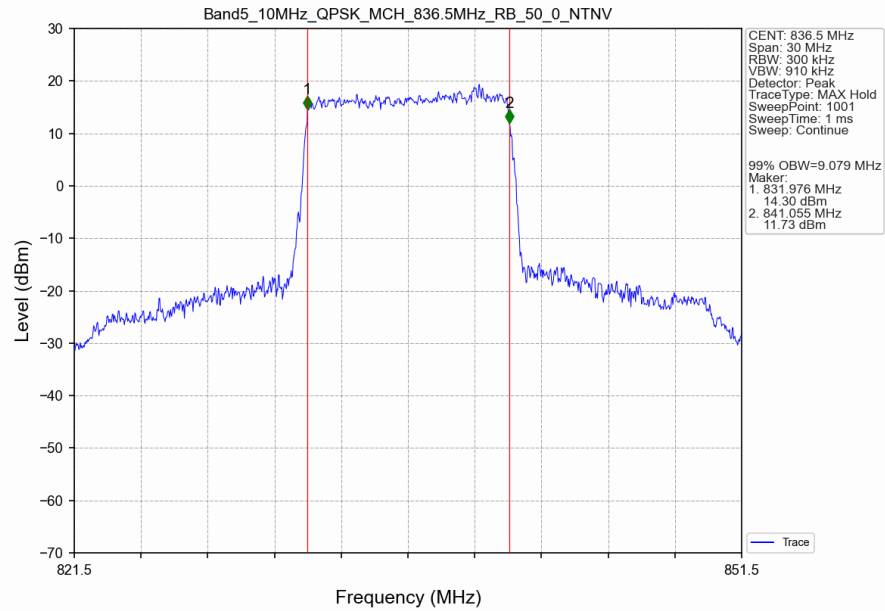
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



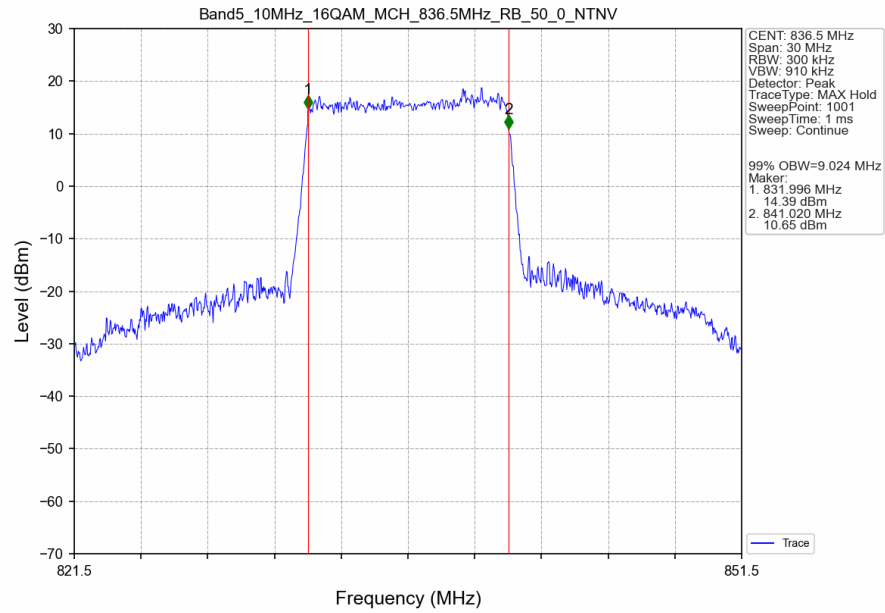
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



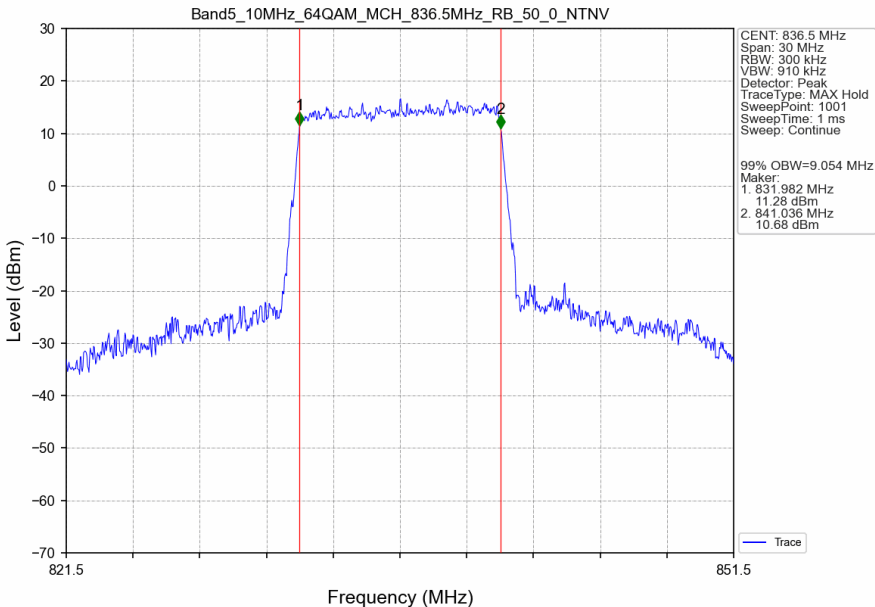
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



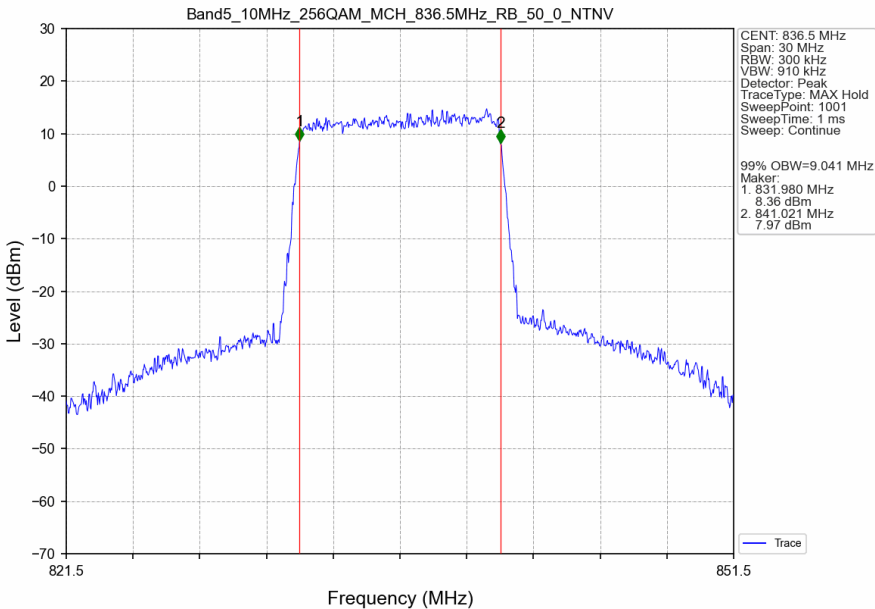
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



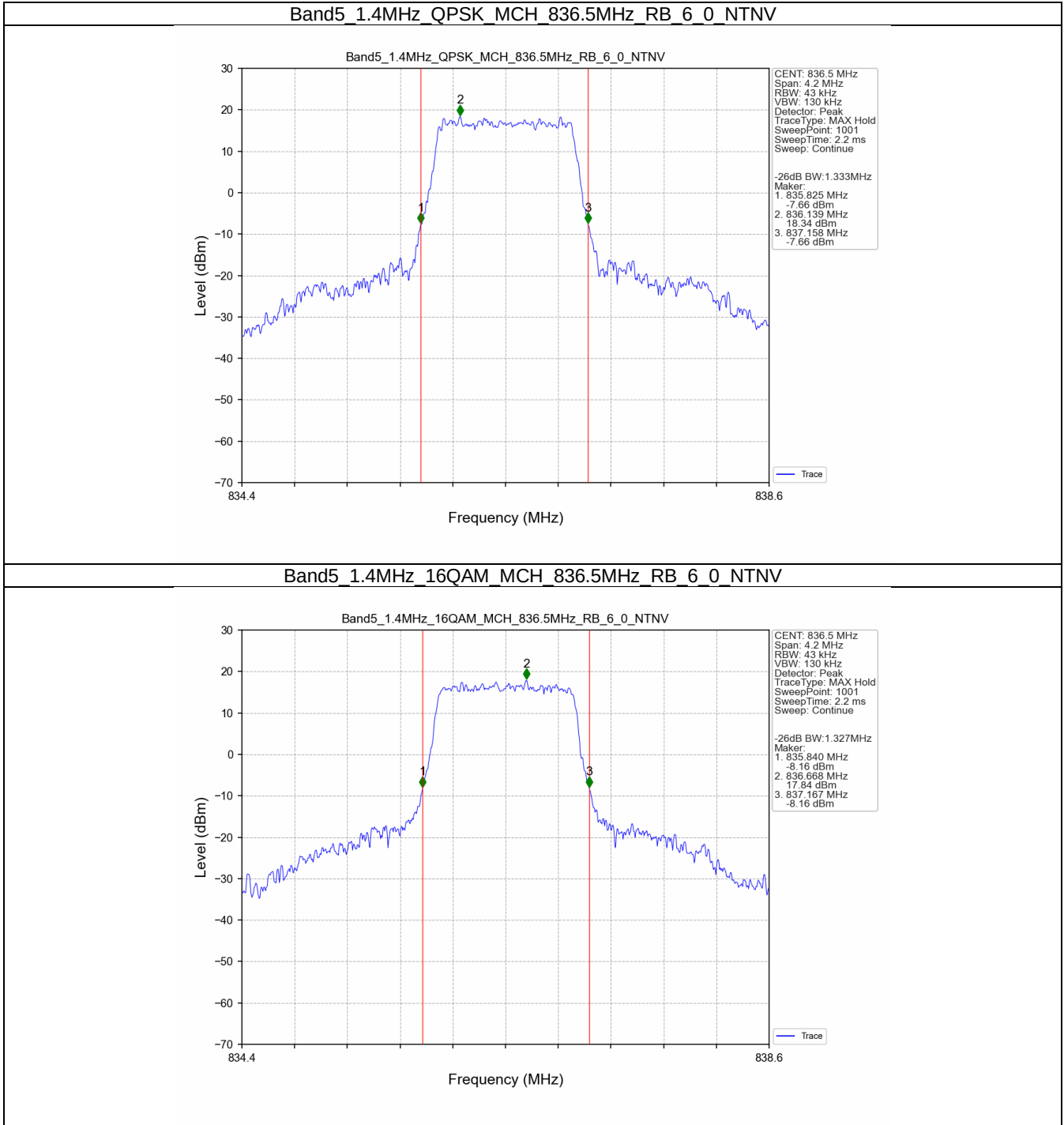
Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



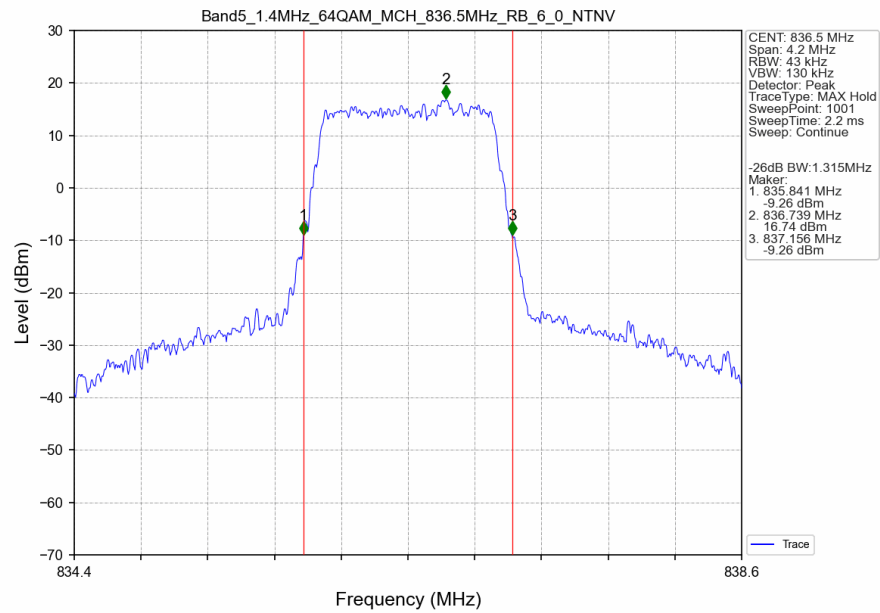
Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



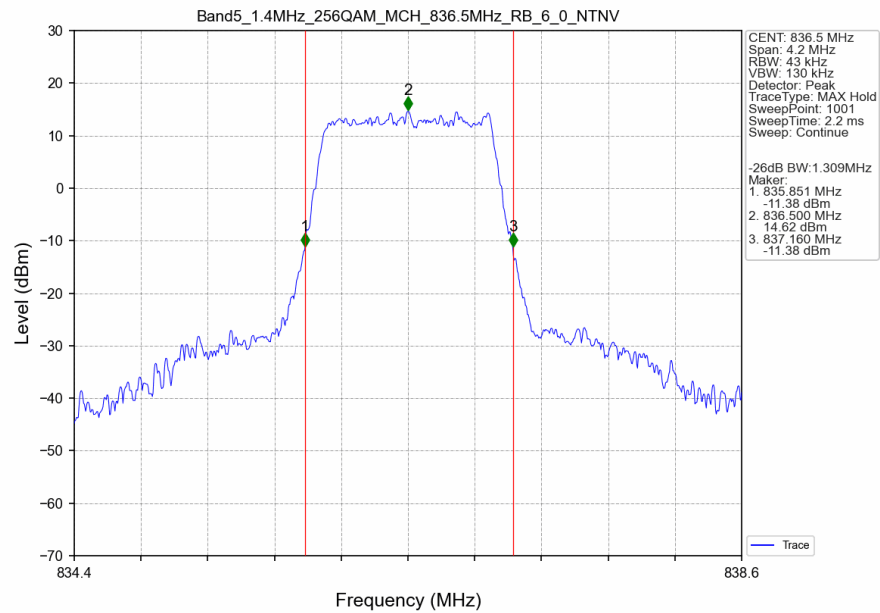
3.2.2 Band5_XDB



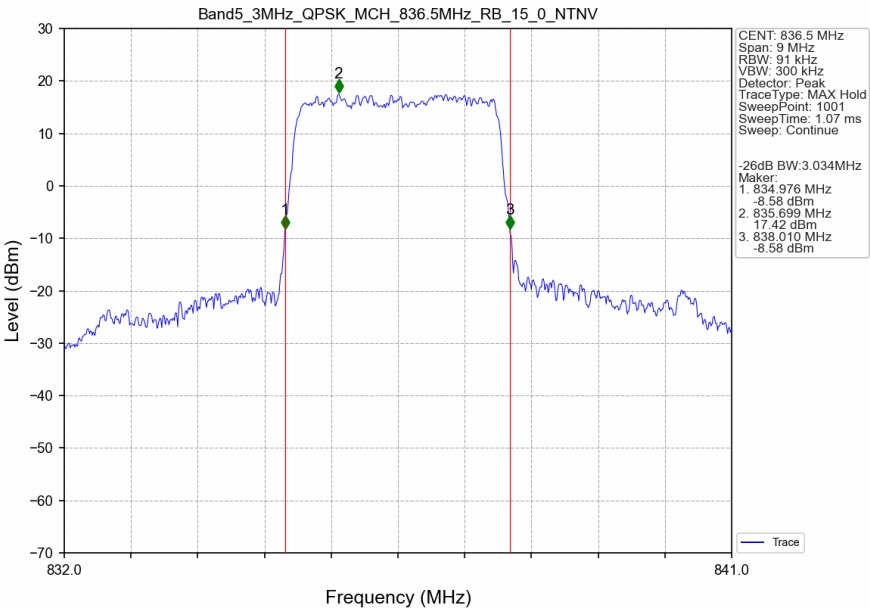
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTNV



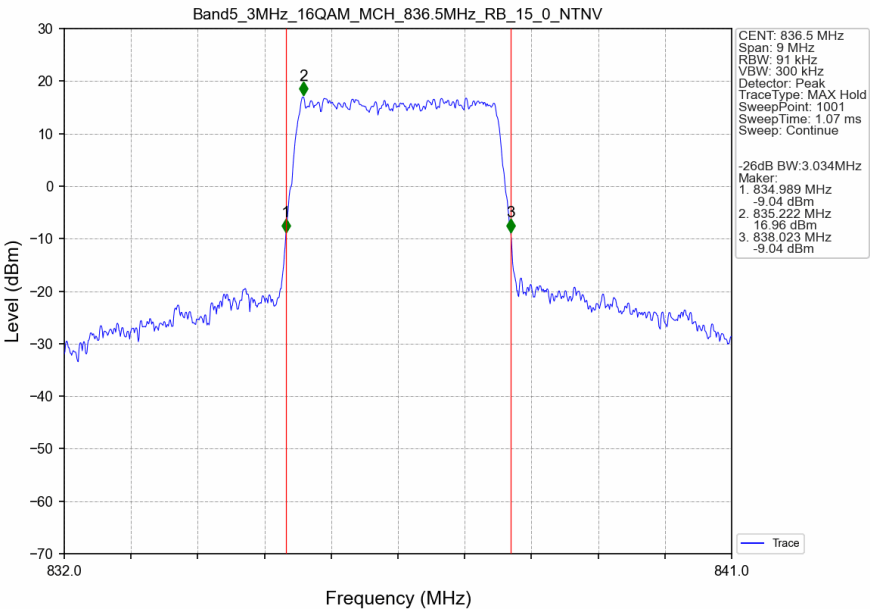
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTNV



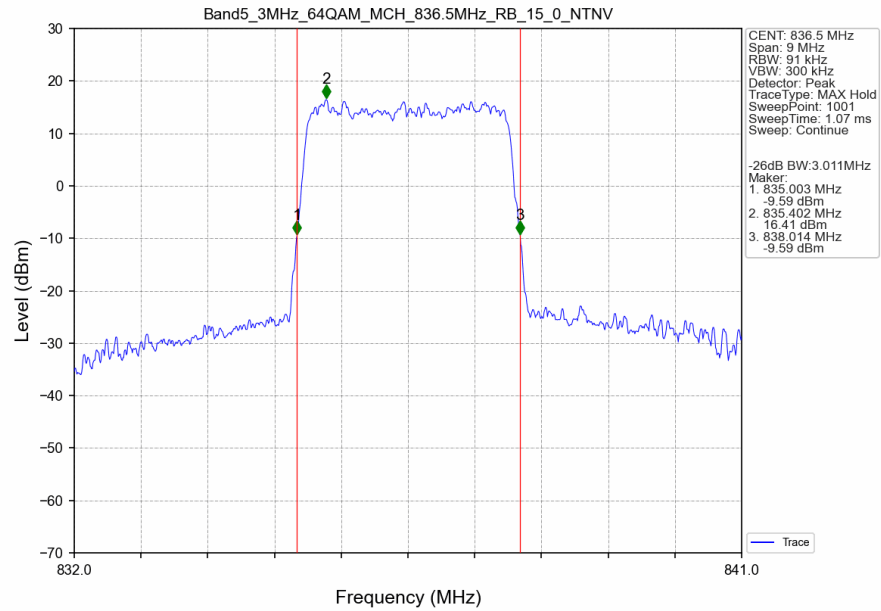
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



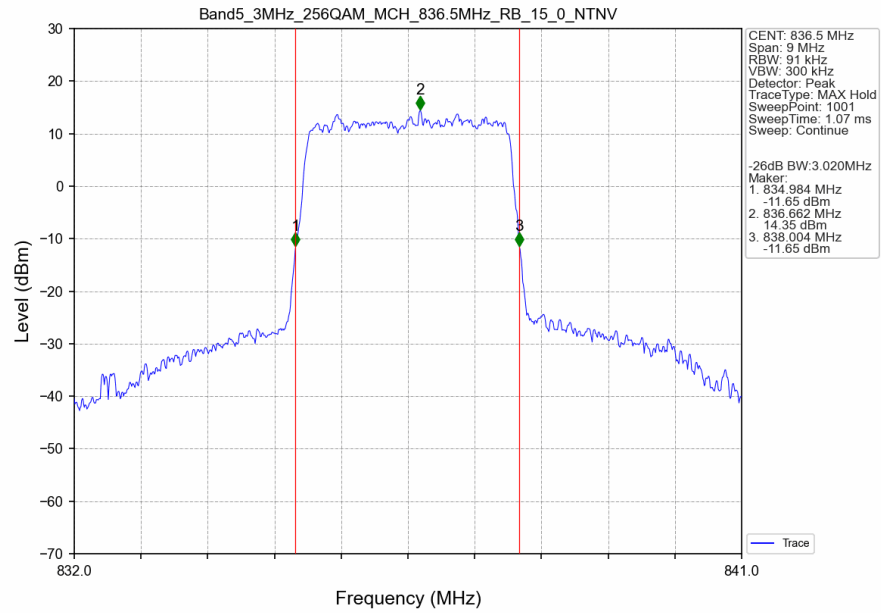
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



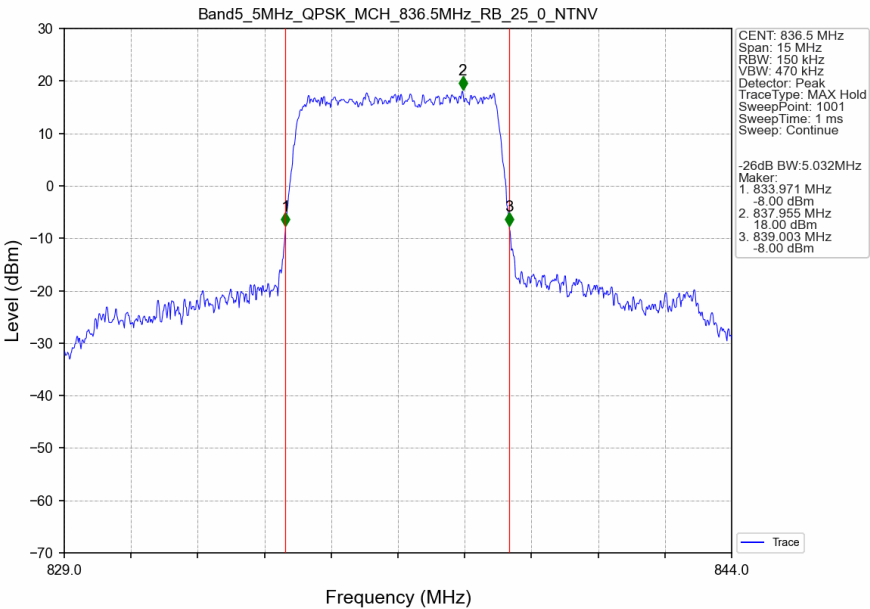
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTV



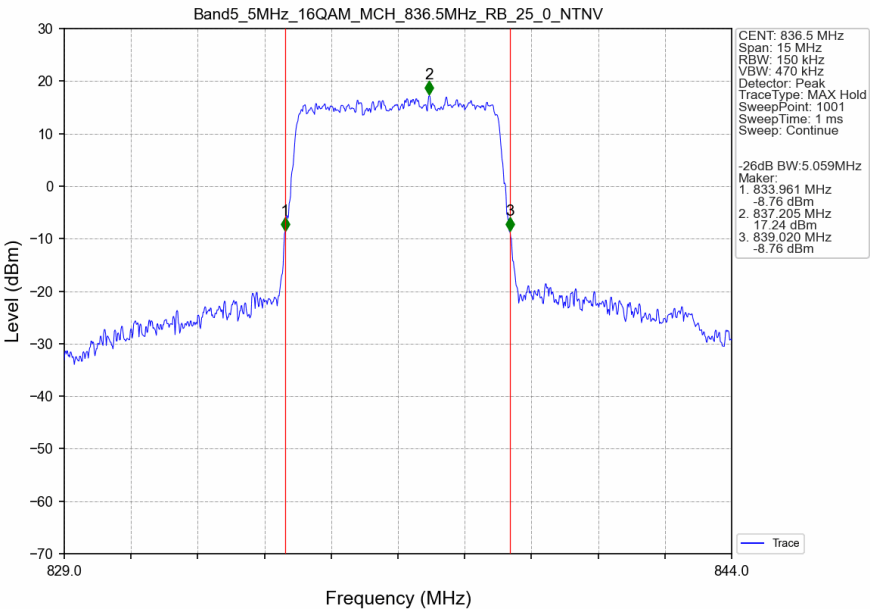
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTV



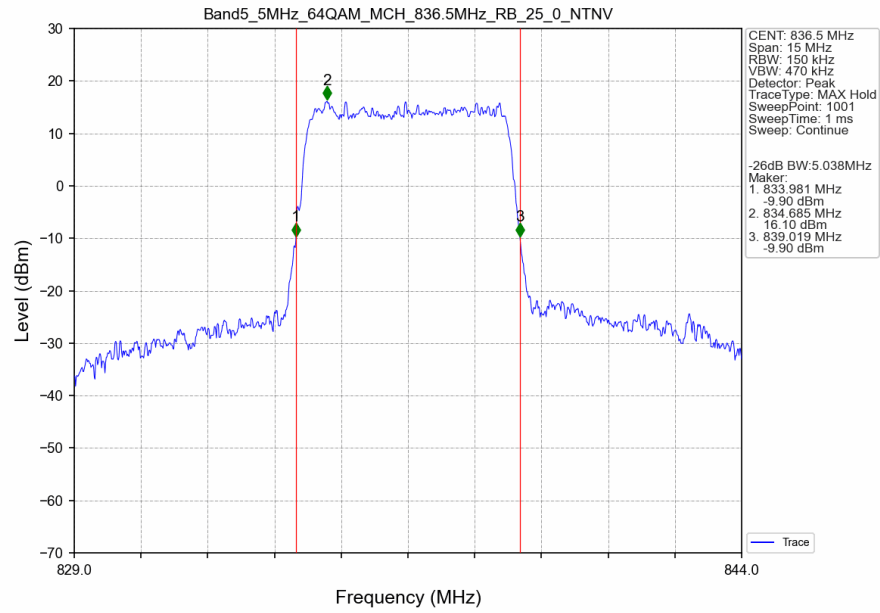
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



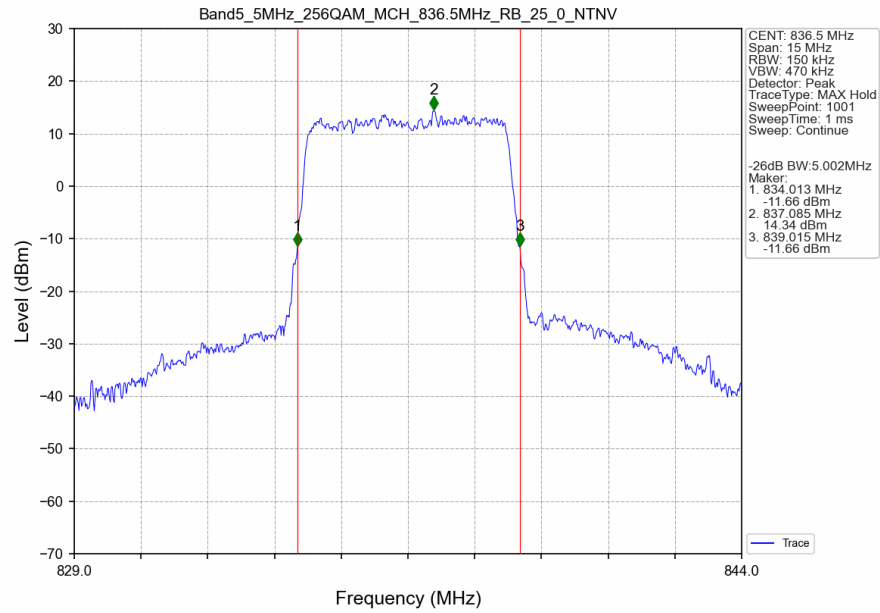
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



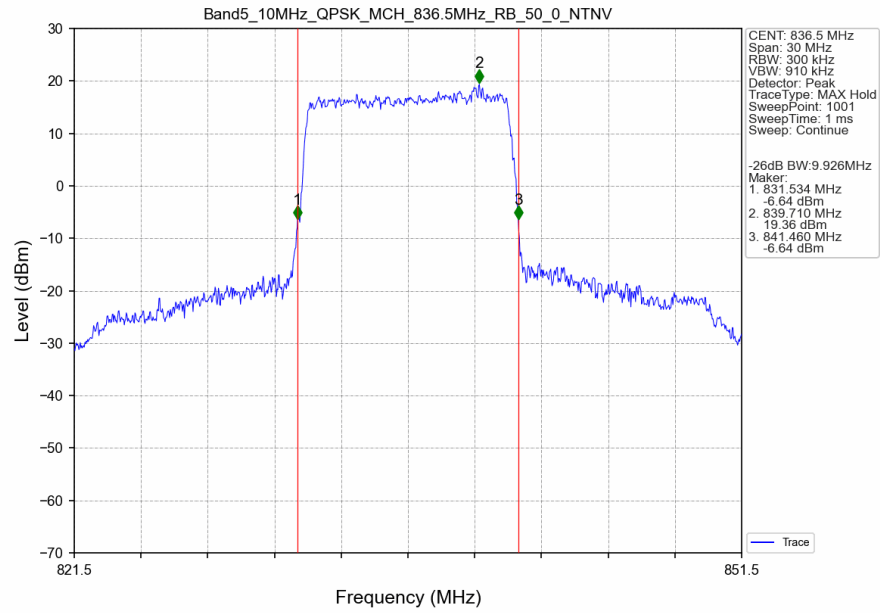
Band5 5MHz 64QAM MCH 836.5MHz RB 25 0 NTNV



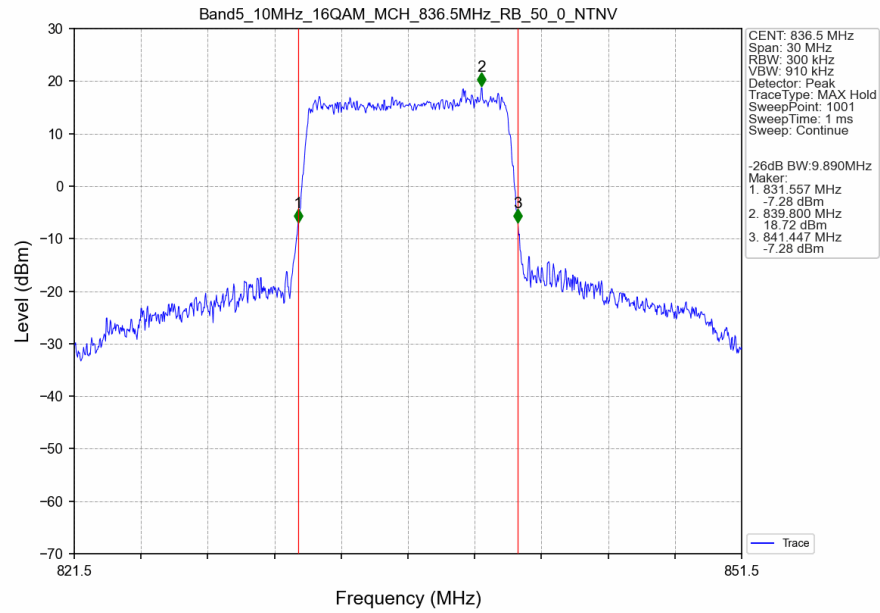
Band5 5MHz 256QAM MCH 836.5MHz RB 25 0 NTNV



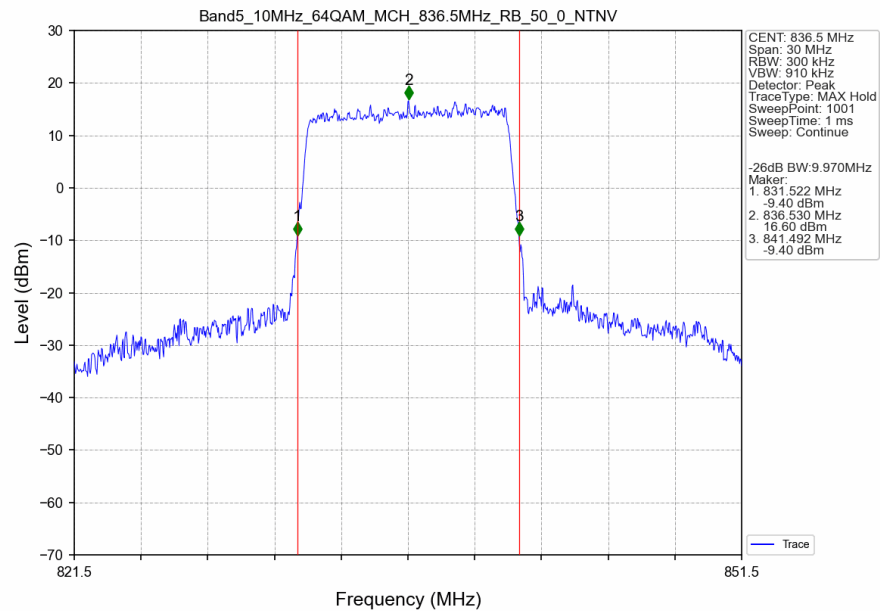
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



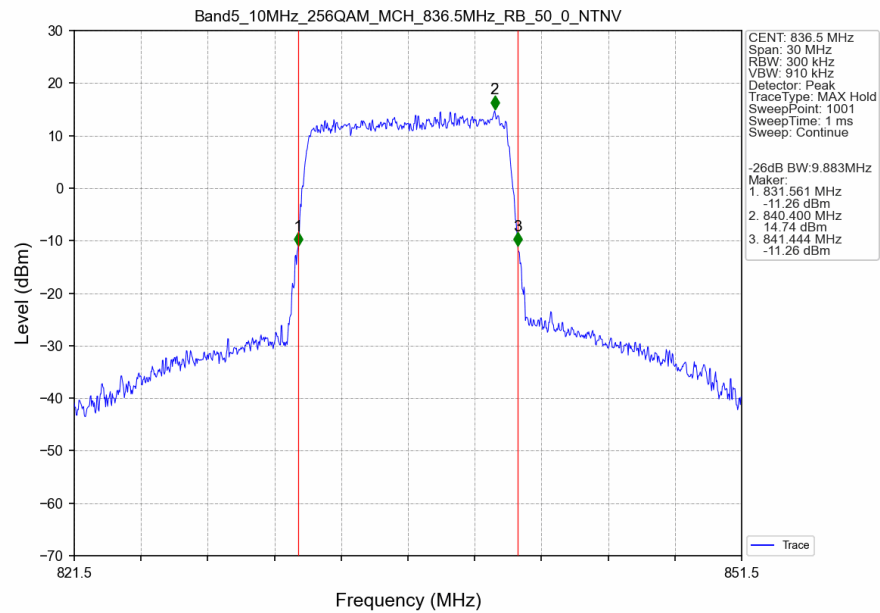
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

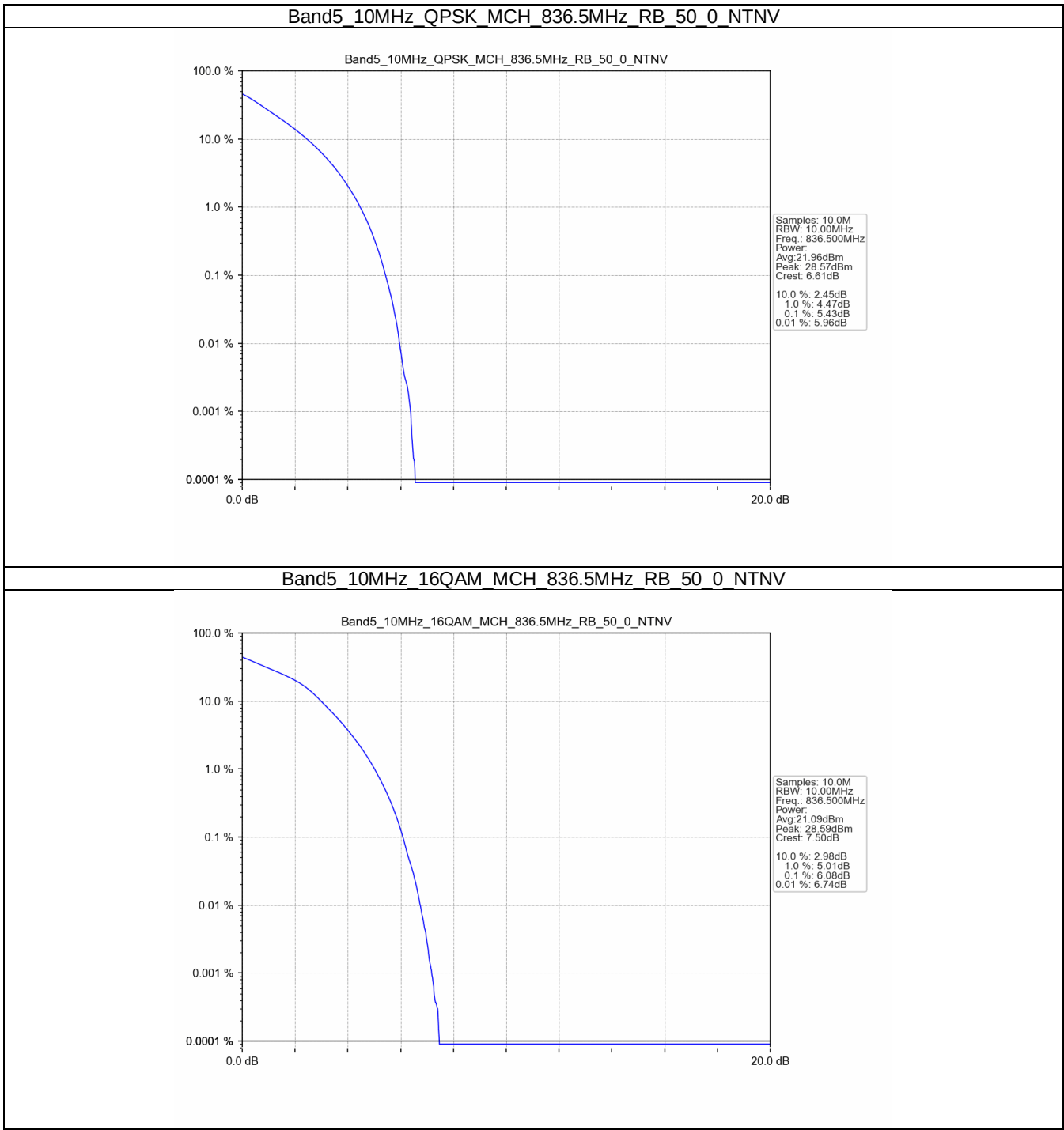
4.1 Test Result

4.1.1 B5_10MHz

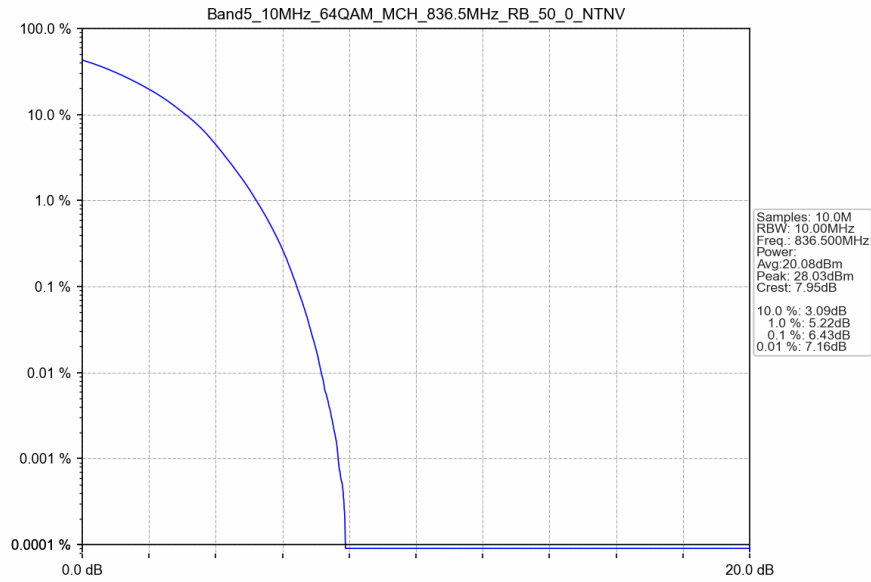
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.43	<=13	Pass
16QAM	836.5	50	0	6.08	<=13	Pass
64QAM	836.5	50	0	6.43	<=13	Pass
256QAM	836.5	50	0	6.70	<=13	Pass

4.2 Test Graph

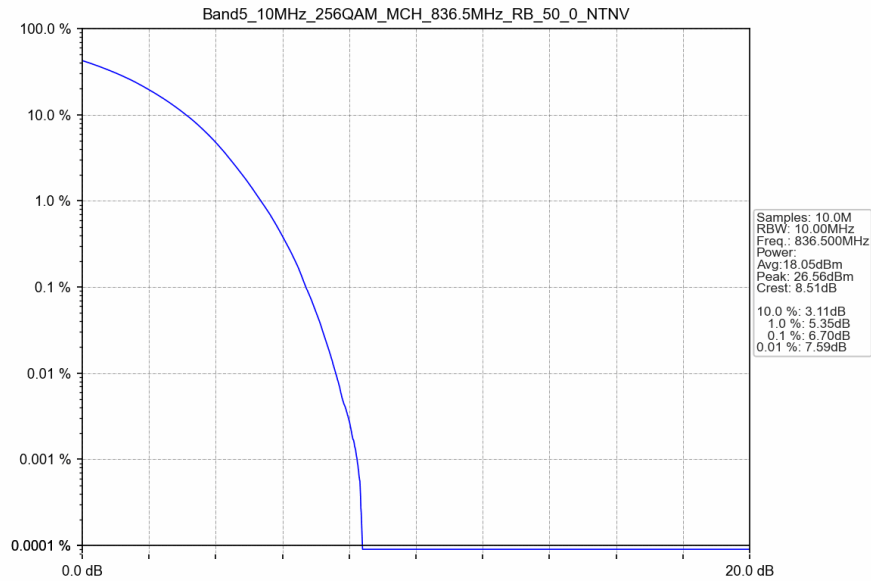
4.2.1 B5_10MHz



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 / NTV						
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

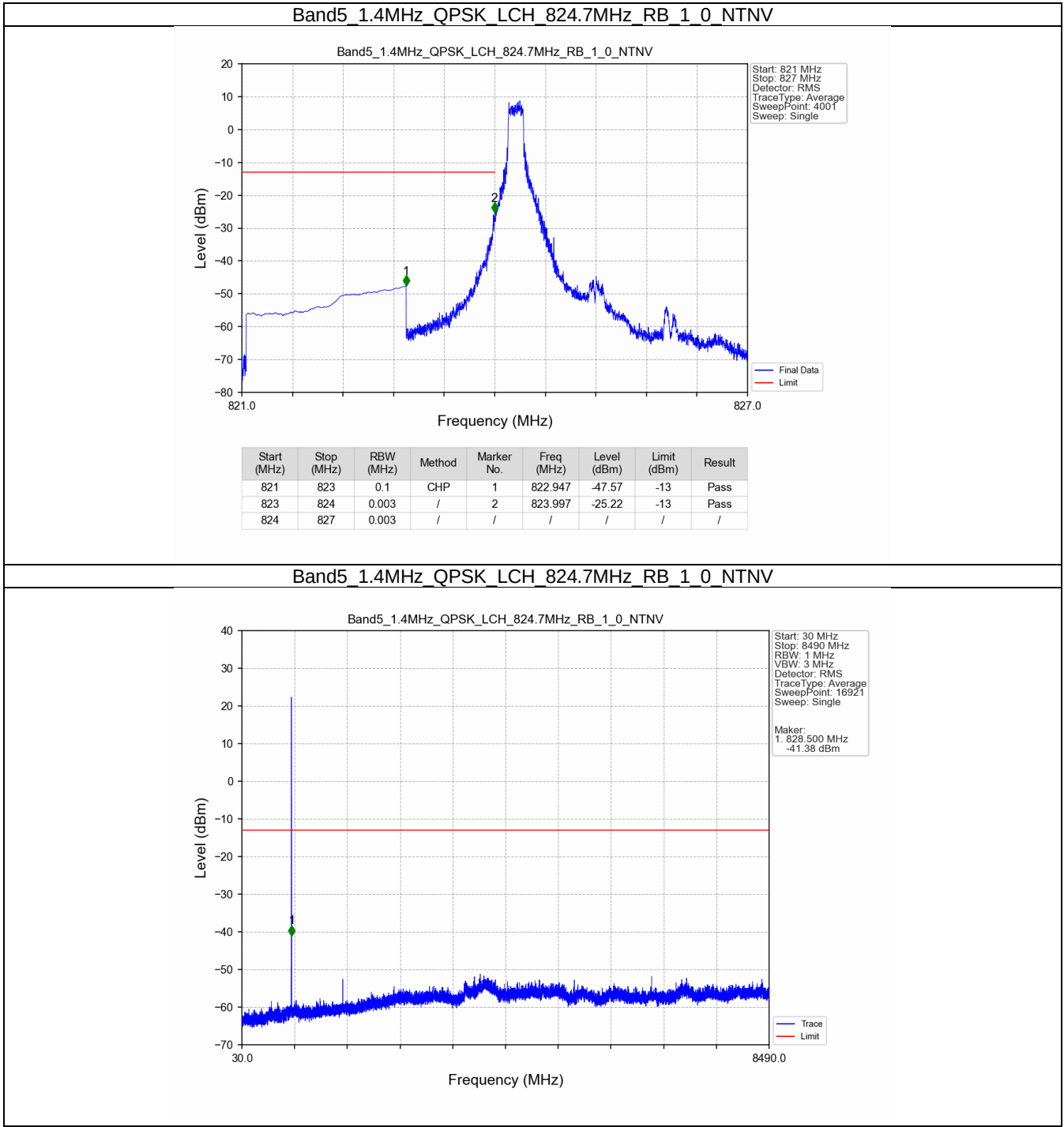
Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

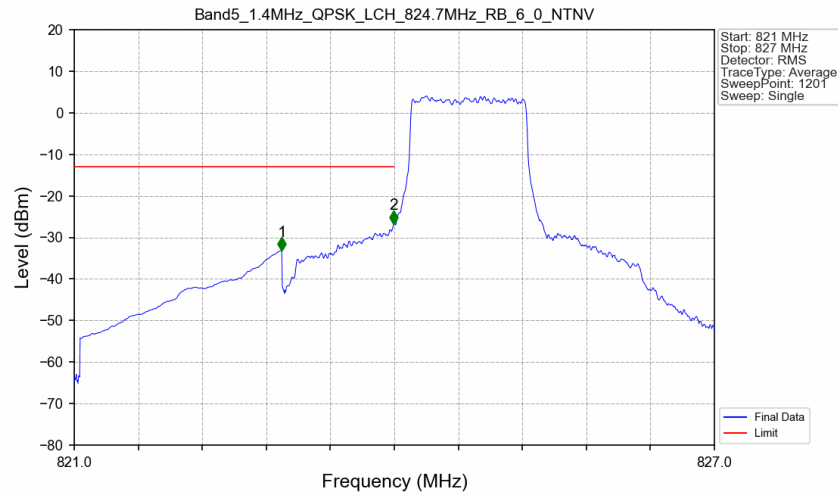
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

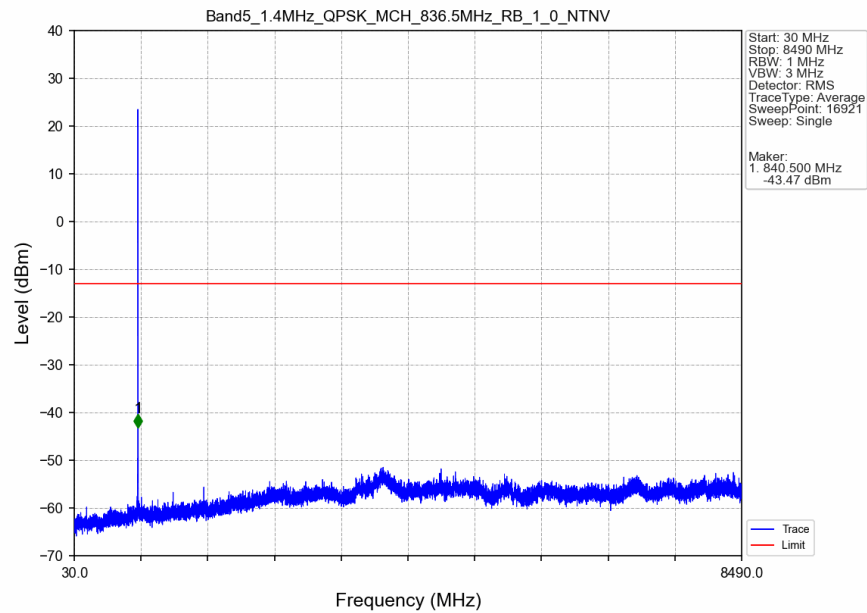


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

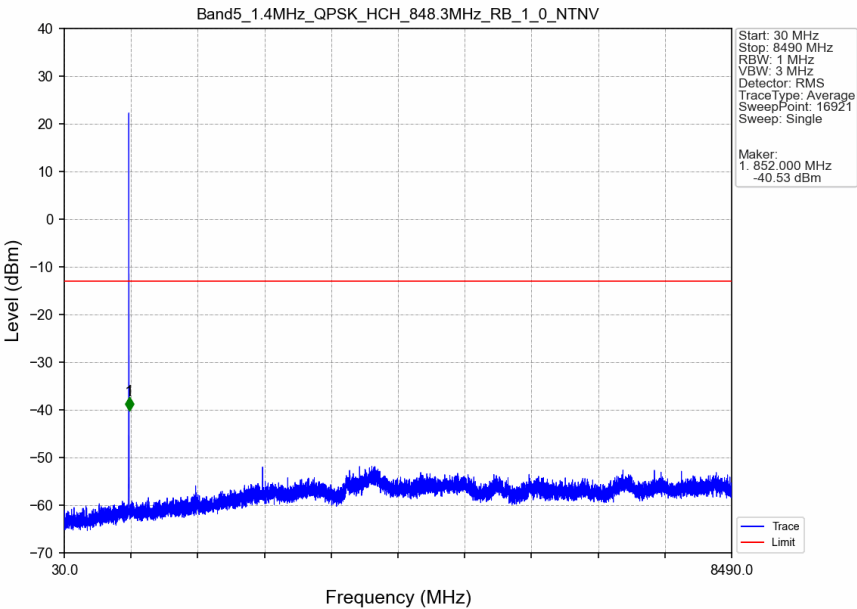


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-33.10	-13	Pass
823	824	0.013	CHP	2	823.995	-26.67	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

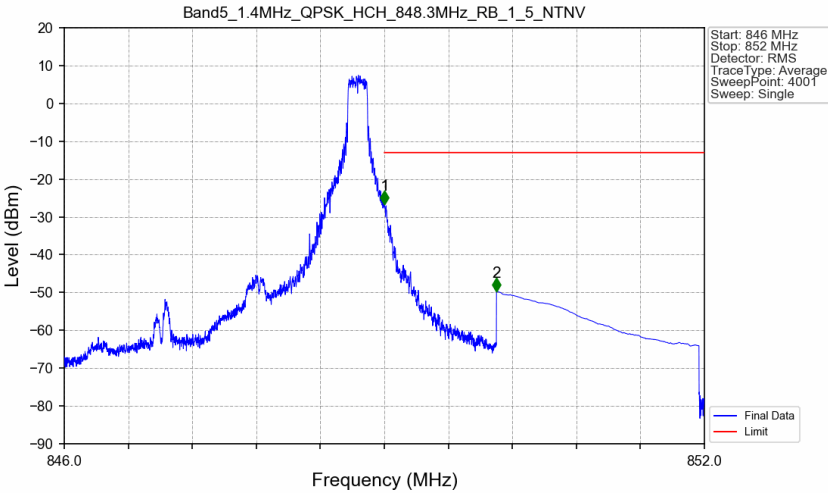
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

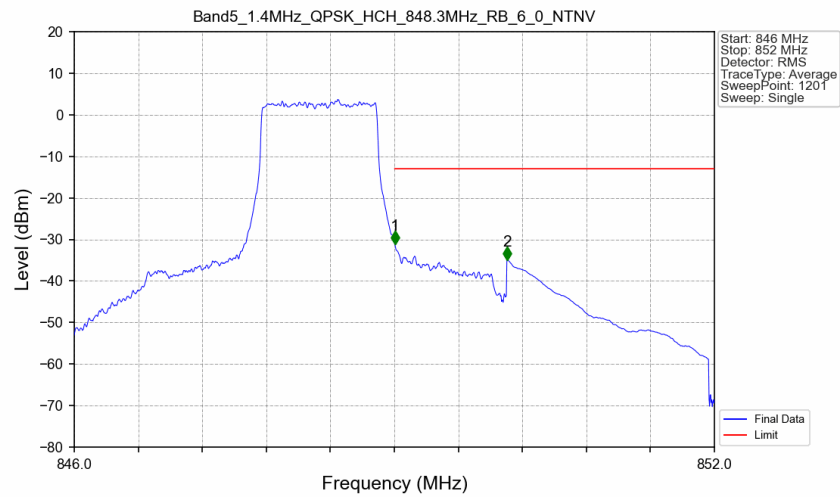


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



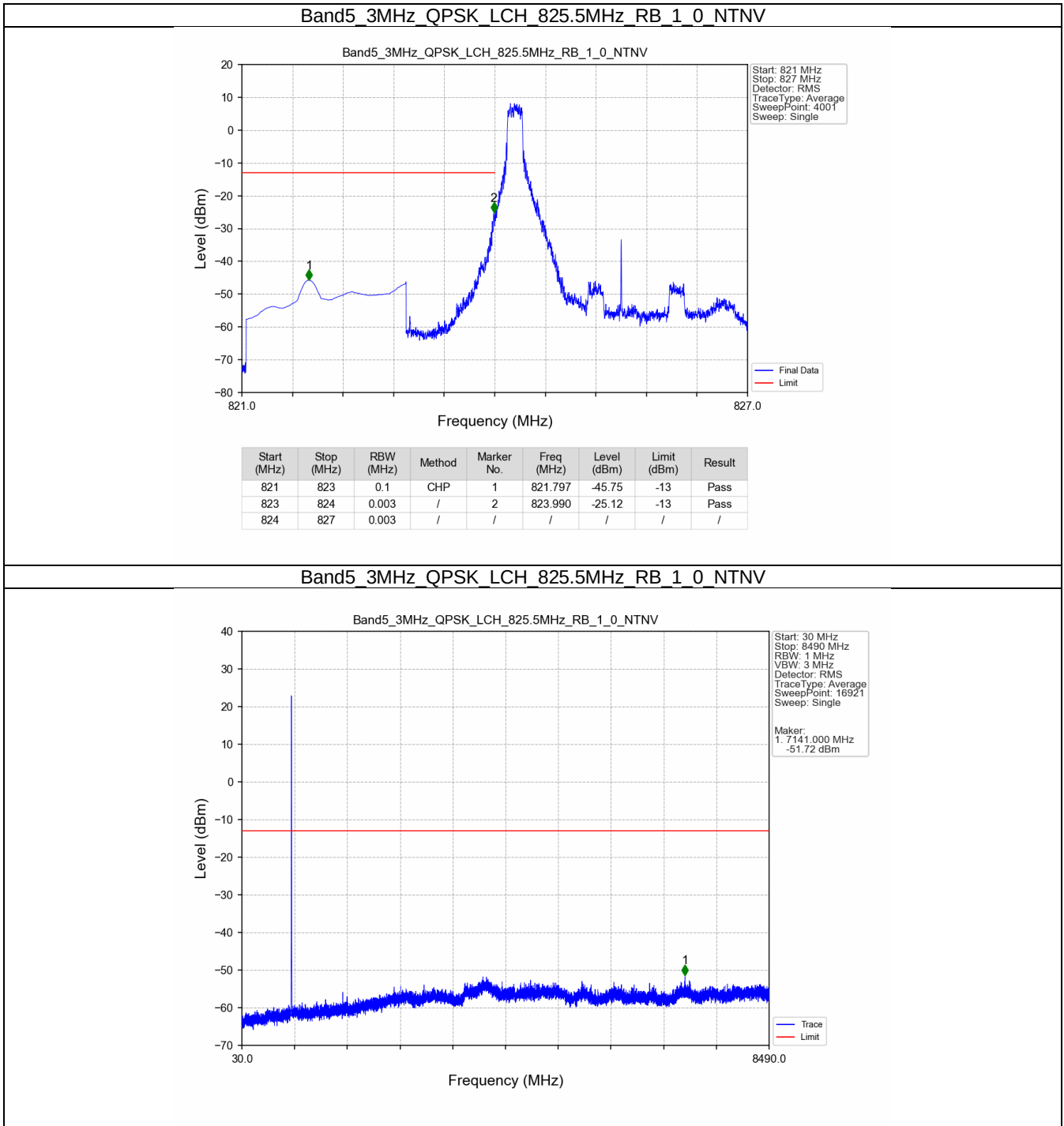
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-26.72	-13	Pass
850	852	0.1	CHP	2	850.052	-49.70	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

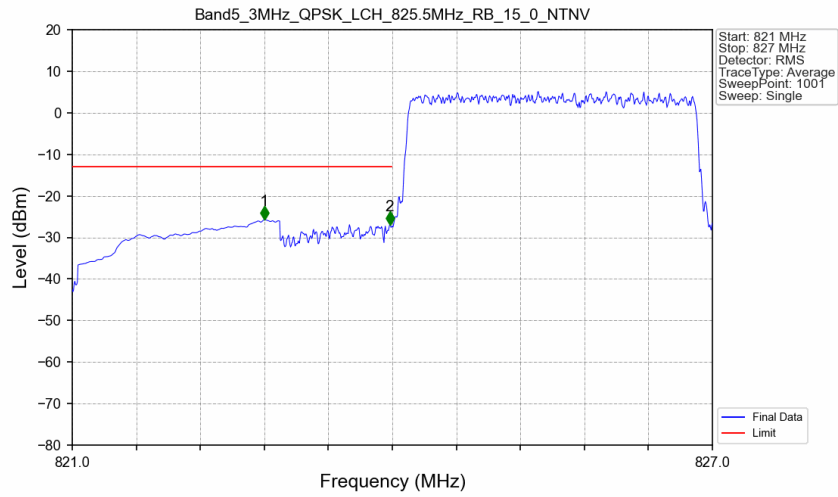


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-31.16	-13	Pass
850	852	0.1	CHP	2	850.055	-34.95	-13	Pass

5.2.2 B5_3MHz

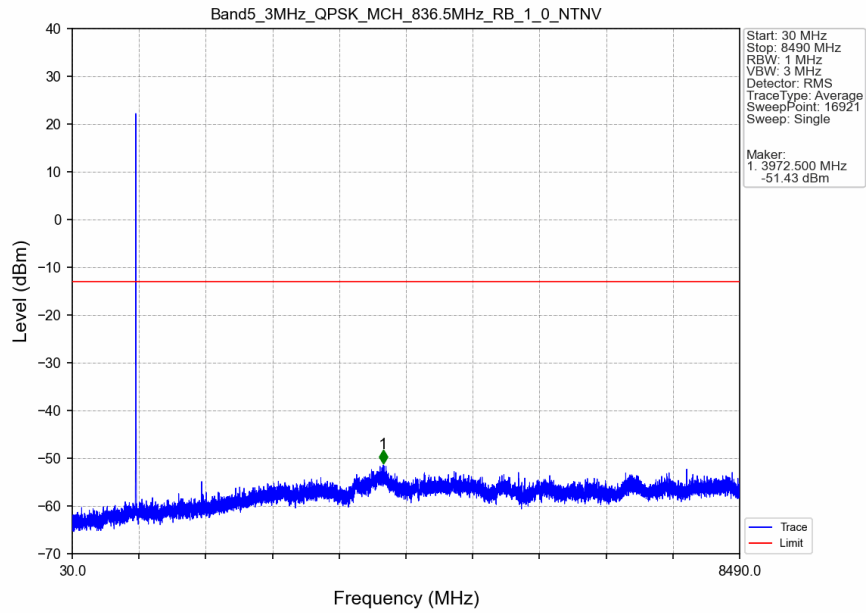


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

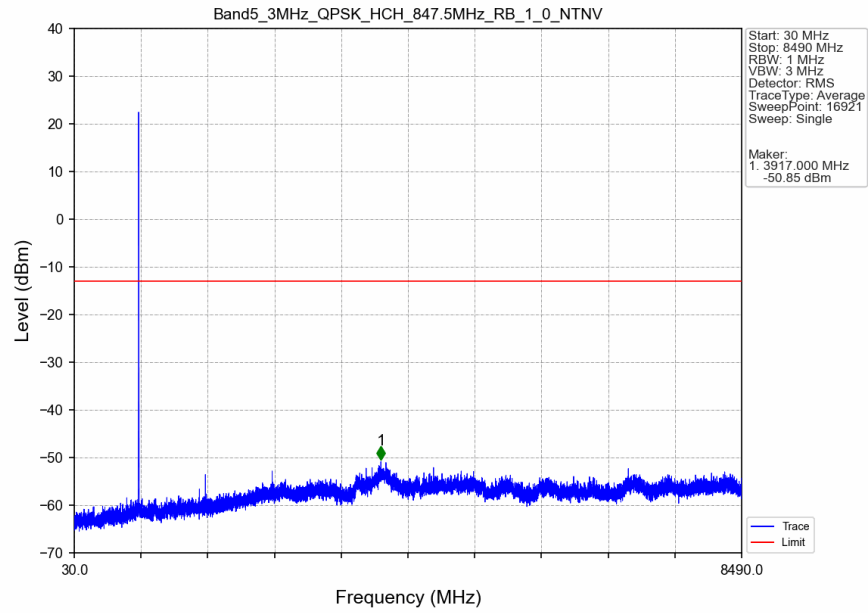


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.800	-25.75	-13	Pass
823	824	0.03	/	2	823.976	-26.89	-13	Pass
824	827	0.03	/	/	/	/	/	/

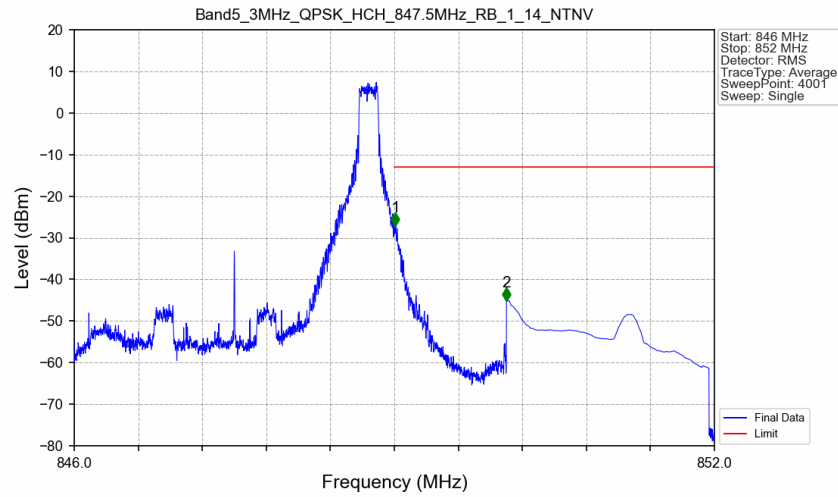
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

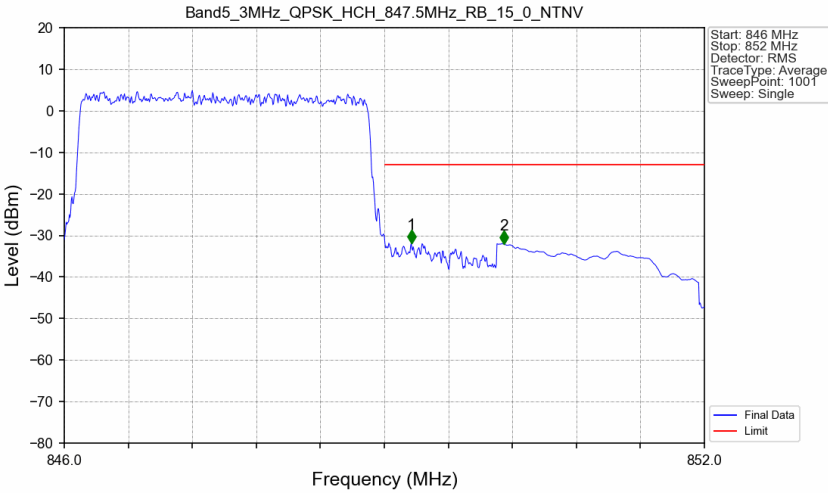


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



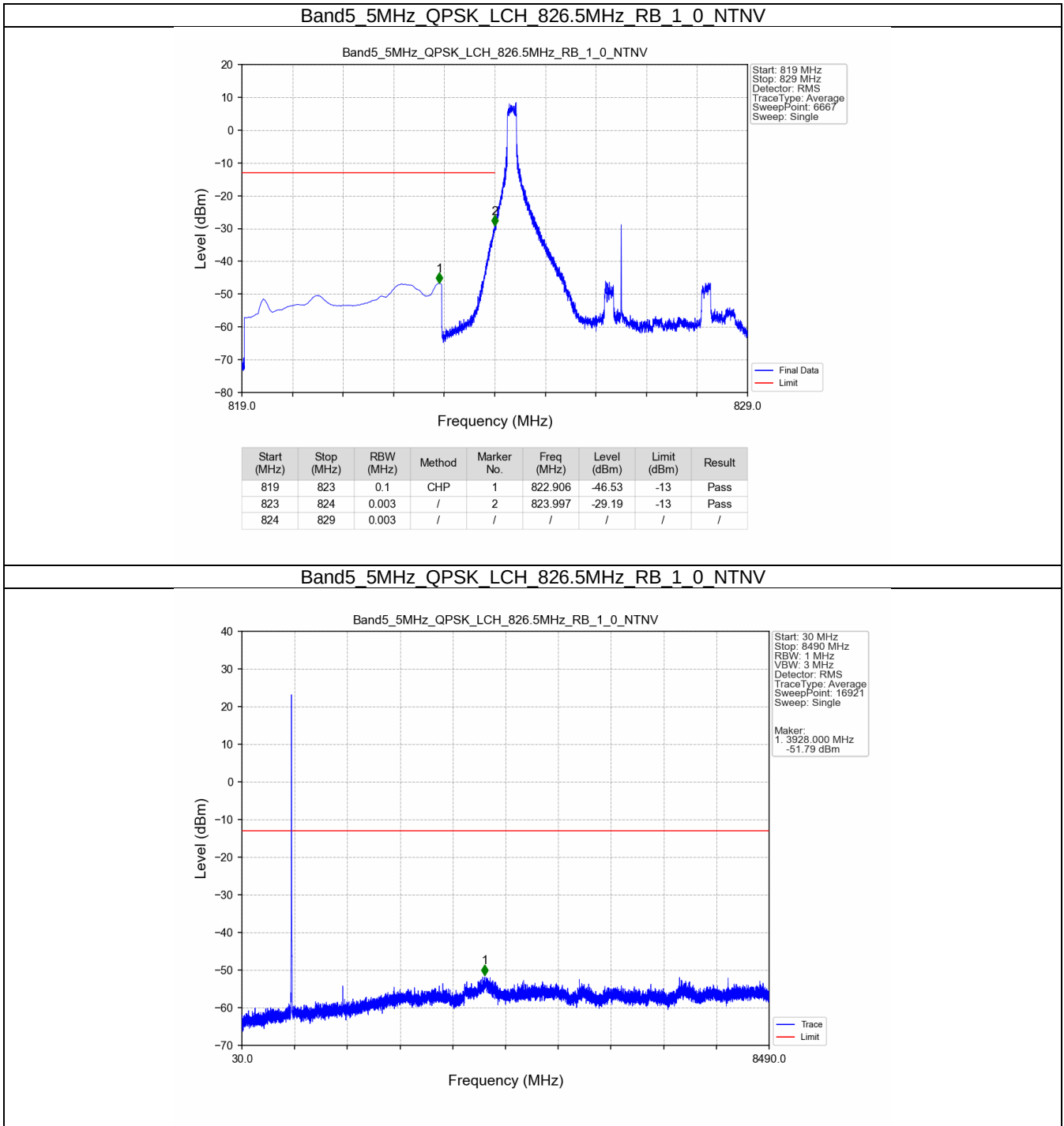
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.010	-27.13	-13	Pass
850	852	0.1	CHP	2	850.052	-45.13	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

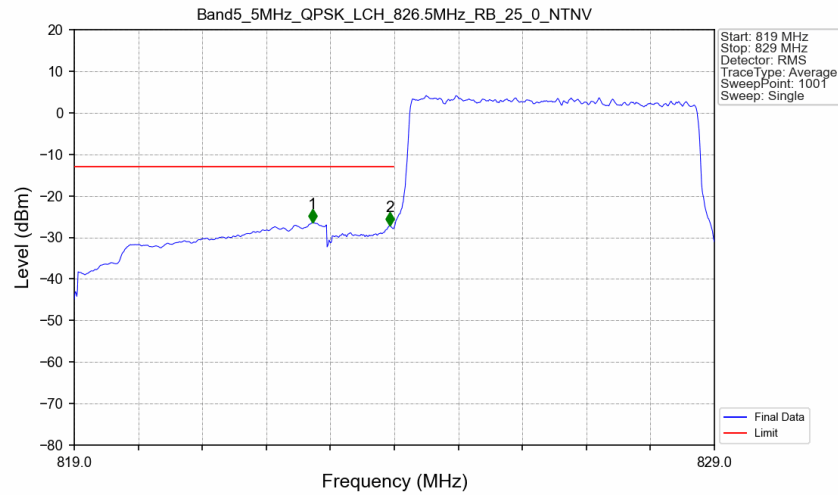


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.252	-31.82	-13	Pass
850	852	0.1	CHP	2	850.122	-32.00	-13	Pass

5.2.3 B5_5MHz

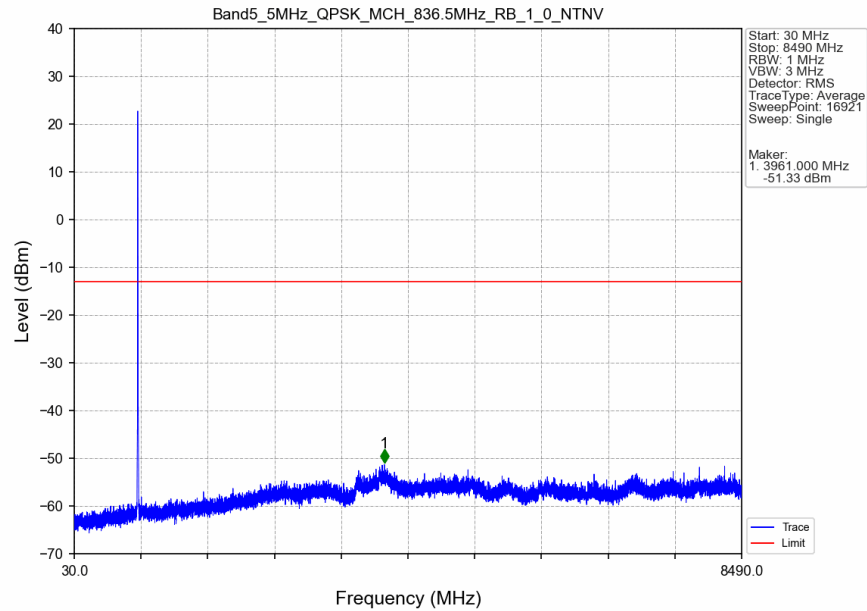


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

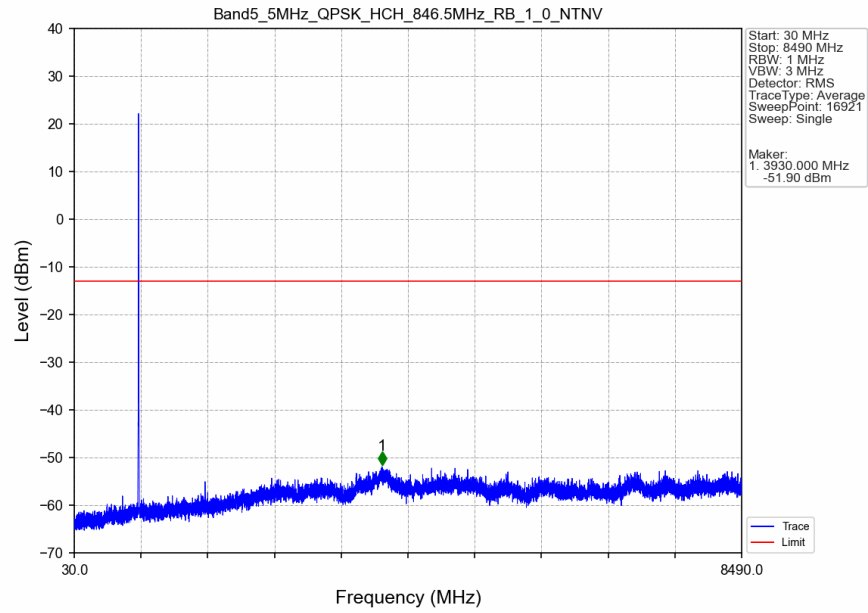


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.720	-26.39	-13	Pass
823	824	0.05	CHP	2	823.930	-27.19	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

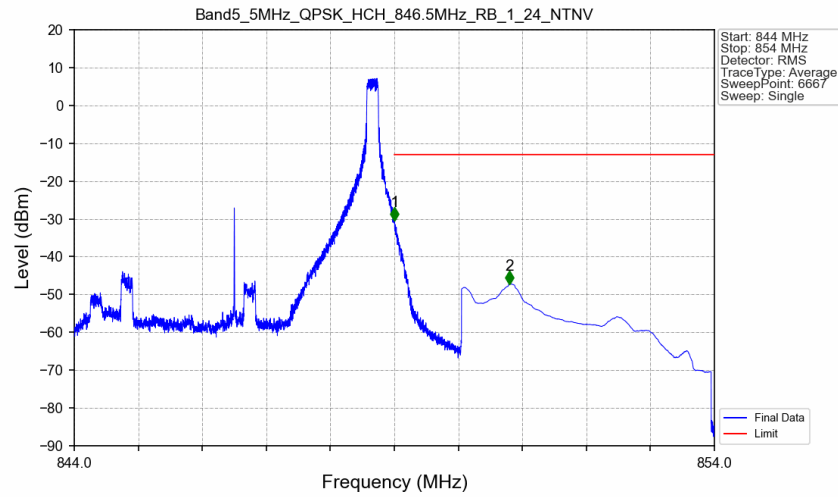
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

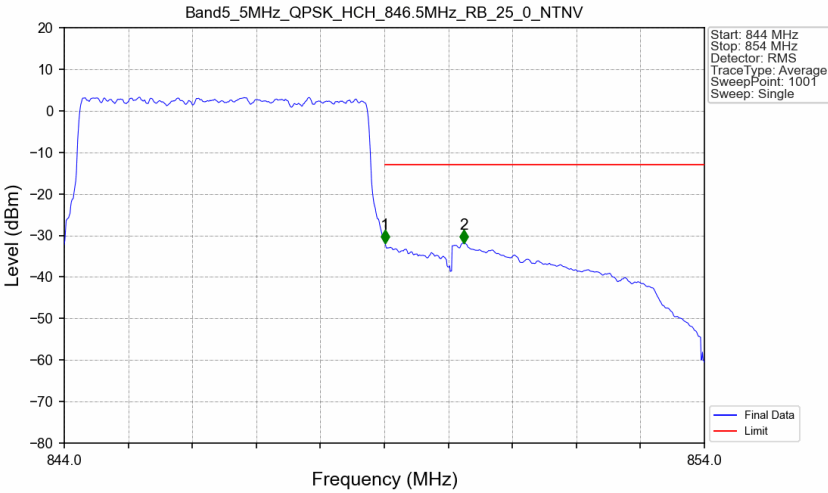


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



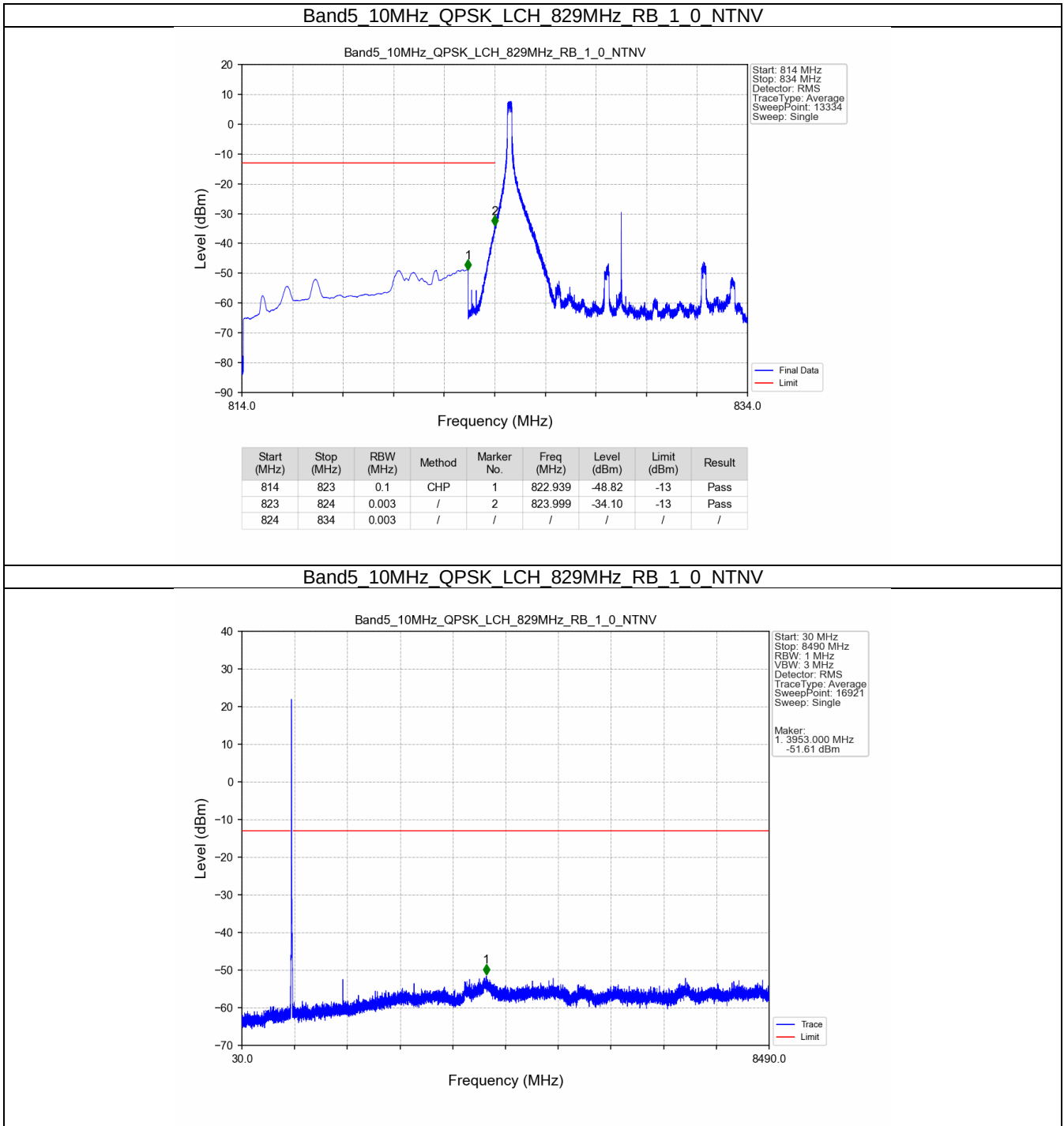
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-30.46	-13	Pass
850	854	0.1	CHP	2	850.797	-47.20	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

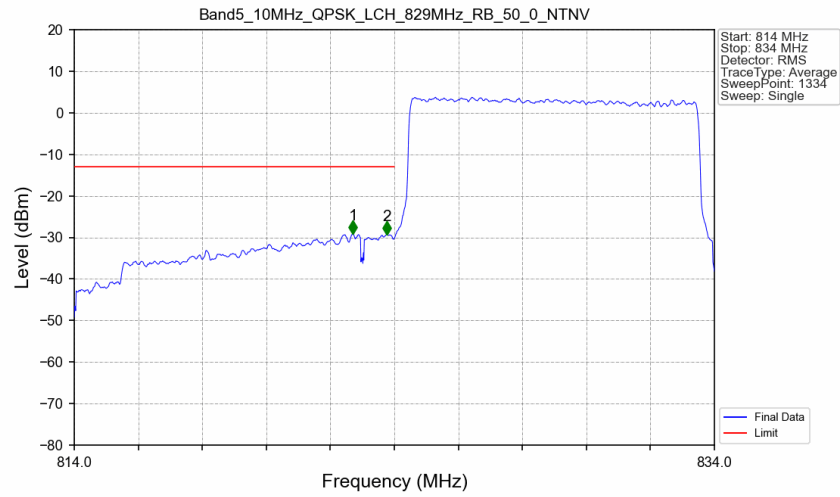


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-31.81	-13	Pass
850	854	0.1	CHP	2	850.240	-31.78	-13	Pass

5.2.4 B5_10MHz

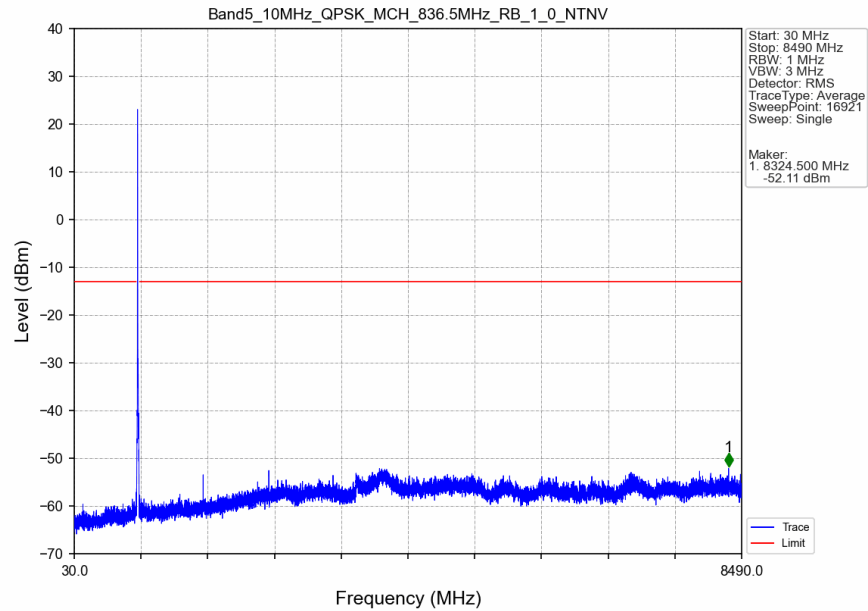


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

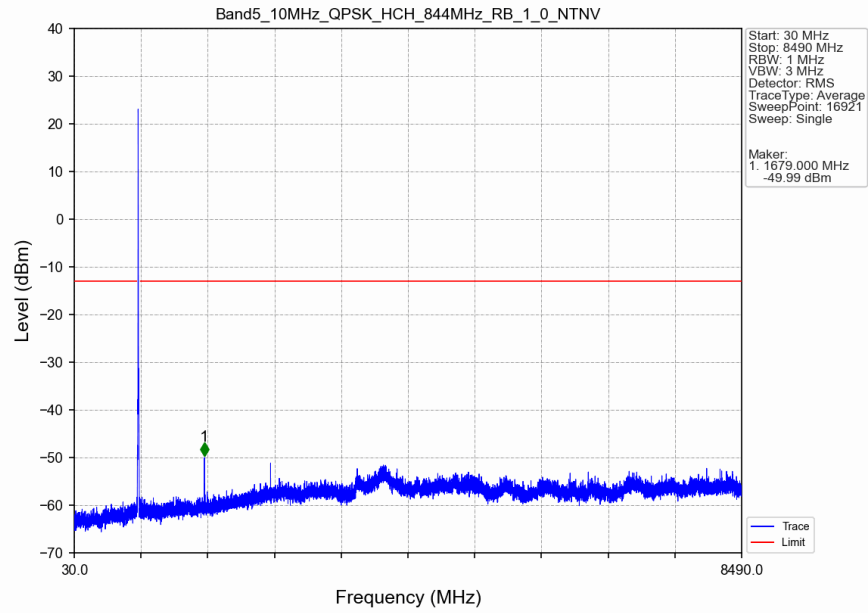


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.702	-29.14	-13	Pass
823	824	0.099	CHP	2	823.767	-29.25	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

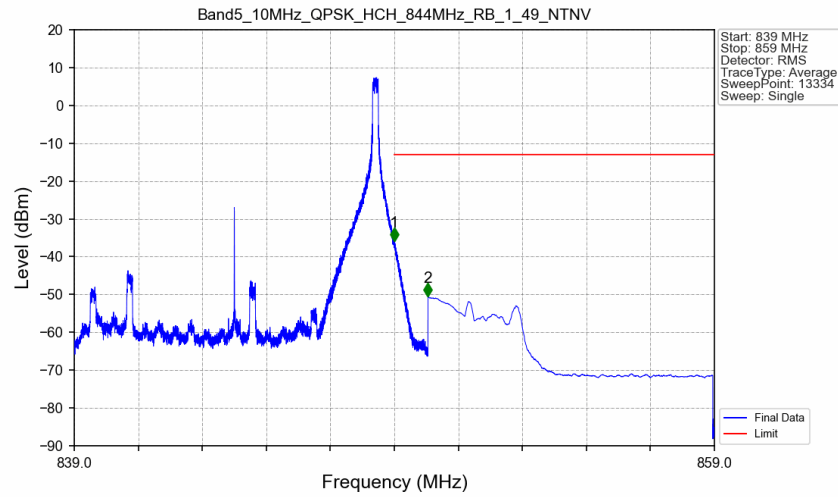
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

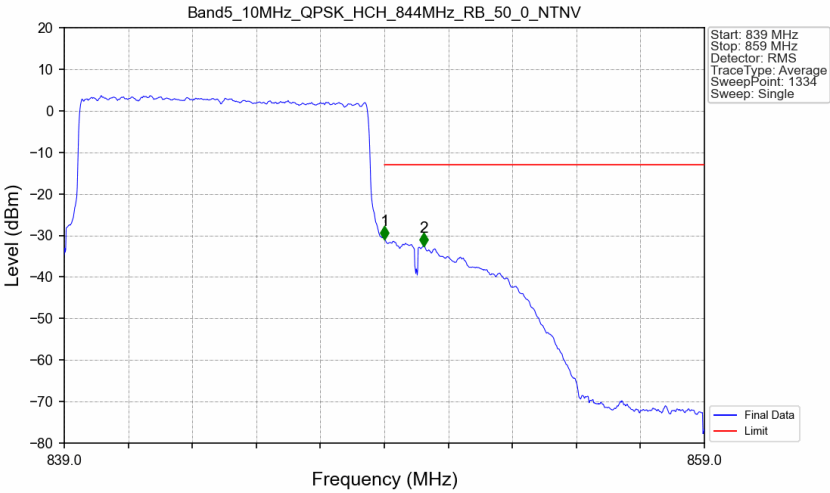


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



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	-35.75	-13	Pass
850	859	0.1	CHP	2	850.051	-50.52	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



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	-30.95	-13	Pass
850	859	0.1	CHP	2	850.238	-32.52	-13	Pass