

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	24.91	-5.70	17.06	<=38.45	Pass
			2	24.81	-5.70	16.96	<=38.45	Pass
			5	24.78	-5.70	16.93	<=38.45	Pass
		3	0	24.84	-5.70	16.99	<=38.45	Pass
			2	24.80	-5.70	16.95	<=38.45	Pass
			3	24.81	-5.70	16.96	<=38.45	Pass
		6	0	23.83	-5.70	15.98	<=38.45	Pass
	836.5	1	0	24.87	-5.70	17.02	<=38.45	Pass
			2	24.83	-5.70	16.98	<=38.45	Pass
			5	24.84	-5.70	16.99	<=38.45	Pass
		3	0	24.73	-5.70	16.88	<=38.45	Pass
			2	24.72	-5.70	16.87	<=38.45	Pass
			3	24.71	-5.70	16.86	<=38.45	Pass
		6	0	23.71	-5.70	15.86	<=38.45	Pass
	848.3	1	0	24.77	-5.70	16.92	<=38.45	Pass
			2	24.70	-5.70	16.85	<=38.45	Pass
			5	24.75	-5.70	16.90	<=38.45	Pass
		3	0	24.74	-5.70	16.89	<=38.45	Pass
			2	24.76	-5.70	16.91	<=38.45	Pass
			3	24.74	-5.70	16.89	<=38.45	Pass
		6	0	23.93	-5.70	16.08	<=38.45	Pass
16QAM	824.7	1	0	23.94	-5.70	16.09	<=38.45	Pass
			2	23.86	-5.70	16.01	<=38.45	Pass
			5	23.89	-5.70	16.04	<=38.45	Pass
		3	0	23.91	-5.70	16.06	<=38.45	Pass
			2	23.92	-5.70	16.07	<=38.45	Pass
			3	23.86	-5.70	16.01	<=38.45	Pass
		6	0	22.91	-5.70	15.06	<=38.45	Pass
	836.5	1	0	23.73	-5.70	15.88	<=38.45	Pass
			2	23.69	-5.70	15.84	<=38.45	Pass
			5	23.72	-5.70	15.87	<=38.45	Pass
		3	0	23.54	-5.70	15.69	<=38.45	Pass
			2	23.54	-5.70	15.69	<=38.45	Pass
			3	23.59	-5.70	15.74	<=38.45	Pass
		6	0	22.74	-5.70	14.89	<=38.45	Pass
	848.3	1	0	24.06	-5.70	16.21	<=38.45	Pass
			2	24.05	-5.70	16.20	<=38.45	Pass
			5	24.06	-5.70	16.21	<=38.45	Pass
		3	0	23.71	-5.70	15.86	<=38.45	Pass
			2	23.76	-5.70	15.91	<=38.45	Pass
			3	23.75	-5.70	15.90	<=38.45	Pass
		6	0	22.71	-5.70	14.86	<=38.45	Pass
64QAM	824.7	1	0	23.43	-5.70	15.58	<=38.45	Pass
			2	23.37	-5.70	15.52	<=38.45	Pass
			5	23.37	-5.70	15.52	<=38.45	Pass
		3	0	22.95	-5.70	15.10	<=38.45	Pass
			2	22.95	-5.70	15.10	<=38.45	Pass
			3	22.96	-5.70	15.11	<=38.45	Pass
		6	0	21.85	-5.70	14.00	<=38.45	Pass
	836.5	1	0	23.15	-5.70	15.30	<=38.45	Pass
			2	23.14	-5.70	15.29	<=38.45	Pass
			5	23.13	-5.70	15.28	<=38.45	Pass
		3	0	22.90	-5.70	15.05	<=38.45	Pass
			2	22.87	-5.70	15.02	<=38.45	Pass

			3	22.88	-5.70	15.03	<=38.45	Pass
		6	0	21.79	-5.70	13.94	<=38.45	Pass
	848.3	1	0	22.82	-5.70	14.97	<=38.45	Pass
			2	22.81	-5.70	14.96	<=38.45	Pass
			5	22.85	-5.70	15.00	<=38.45	Pass
		3	0	22.72	-5.70	14.87	<=38.45	Pass
			2	22.76	-5.70	14.91	<=38.45	Pass
			3	22.75	-5.70	14.90	<=38.45	Pass
		6	0	21.69	-5.70	13.84	<=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	24.88	-5.70	17.03	<=38.45	Pass
			7	24.74	-5.70	16.89	<=38.45	Pass
			14	24.68	-5.70	16.83	<=38.45	Pass
		8	0	23.82	-5.70	15.97	<=38.45	Pass
			4	23.75	-5.70	15.90	<=38.45	Pass
			7	23.73	-5.70	15.88	<=38.45	Pass
		15	0	23.77	-5.70	15.92	<=38.45	Pass
	836.5	1	0	24.82	-5.70	16.97	<=38.45	Pass
			7	24.78	-5.70	16.93	<=38.45	Pass
			14	24.78	-5.70	16.93	<=38.45	Pass
		8	0	23.68	-5.70	15.83	<=38.45	Pass
			4	23.69	-5.70	15.84	<=38.45	Pass
			7	23.68	-5.70	15.83	<=38.45	Pass
		15	0	23.69	-5.70	15.84	<=38.45	Pass
	847.5	1	0	24.72	-5.70	16.87	<=38.45	Pass
			7	24.72	-5.70	16.87	<=38.45	Pass
			14	24.72	-5.70	16.87	<=38.45	Pass
		8	0	23.69	-5.70	15.84	<=38.45	Pass
			4	23.69	-5.70	15.84	<=38.45	Pass
			7	23.64	-5.70	15.79	<=38.45	Pass
		15	0	23.70	-5.70	15.85	<=38.45	Pass
16QAM	825.5	1	0	23.86	-5.70	16.01	<=38.45	Pass
			7	23.76	-5.70	15.91	<=38.45	Pass
			14	23.69	-5.70	15.84	<=38.45	Pass
		8	0	22.84	-5.70	14.99	<=38.45	Pass
			4	22.75	-5.70	14.90	<=38.45	Pass
			7	22.71	-5.70	14.86	<=38.45	Pass
		15	0	22.73	-5.70	14.88	<=38.45	Pass
	836.5	1	0	23.66	-5.70	15.81	<=38.45	Pass
			7	23.67	-5.70	15.82	<=38.45	Pass
			14	23.67	-5.70	15.82	<=38.45	Pass
		8	0	22.68	-5.70	14.83	<=38.45	Pass
			4	22.68	-5.70	14.83	<=38.45	Pass
			7	22.69	-5.70	14.84	<=38.45	Pass
		15	0	22.74	-5.70	14.89	<=38.45	Pass
	847.5	1	0	24.02	-5.70	16.17	<=38.45	Pass
			7	24.04	-5.70	16.19	<=38.45	Pass
			14	24.06	-5.70	16.21	<=38.45	Pass
		8	0	22.77	-5.70	14.92	<=38.45	Pass
			4	22.76	-5.70	14.91	<=38.45	Pass
			7	22.71	-5.70	14.86	<=38.45	Pass
		15	0	22.71	-5.70	14.86	<=38.45	Pass
64QAM	825.5	1	0	22.78	-5.70	14.93	<=38.45	Pass
			7	22.68	-5.70	14.83	<=38.45	Pass
			14	22.60	-5.70	14.75	<=38.45	Pass
		8	0	21.76	-5.70	13.91	<=38.45	Pass

		15	4	21.69	-5.70	13.84	<=38.45	Pass
			7	21.66	-5.70	13.81	<=38.45	Pass
			0	21.72	-5.70	13.87	<=38.45	Pass
	836.5	1	0	23.09	-5.70	15.24	<=38.45	Pass
			7	23.12	-5.70	15.27	<=38.45	Pass
			14	23.09	-5.70	15.24	<=38.45	Pass
		8	0	21.73	-5.70	13.88	<=38.45	Pass
			4	21.70	-5.70	13.85	<=38.45	Pass
			7	21.72	-5.70	13.87	<=38.45	Pass
		15	0	21.69	-5.70	13.84	<=38.45	Pass
	847.5	1	0	22.79	-5.70	14.94	<=38.45	Pass
			7	22.83	-5.70	14.98	<=38.45	Pass
			14	22.81	-5.70	14.96	<=38.45	Pass
		8	0	21.59	-5.70	13.74	<=38.45	Pass
			4	21.58	-5.70	13.73	<=38.45	Pass
			7	21.57	-5.70	13.72	<=38.45	Pass
		15	0	21.63	-5.70	13.78	<=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	24.99	-5.70	17.14	<=38.45	Pass
			13	24.81	-5.70	16.96	<=38.45	Pass
			24	24.76	-5.70	16.91	<=38.45	Pass
		12	0	23.81	-5.70	15.96	<=38.45	Pass
			6	23.76	-5.70	15.91	<=38.45	Pass
			13	23.72	-5.70	15.87	<=38.45	Pass
		25	0	23.79	-5.70	15.94	<=38.45	Pass
	836.5	1	0	24.79	-5.70	16.94	<=38.45	Pass
			13	24.76	-5.70	16.91	<=38.45	Pass
			24	24.74	-5.70	16.89	<=38.45	Pass
		12	0	23.73	-5.70	15.88	<=38.45	Pass
			6	23.74	-5.70	15.89	<=38.45	Pass
			13	23.73	-5.70	15.88	<=38.45	Pass
		25	0	23.79	-5.70	15.94	<=38.45	Pass
	846.5	1	0	24.73	-5.70	16.88	<=38.45	Pass
			13	24.72	-5.70	16.87	<=38.45	Pass
			24	24.77	-5.70	16.92	<=38.45	Pass
		12	0	23.71	-5.70	15.86	<=38.45	Pass
			6	23.66	-5.70	15.81	<=38.45	Pass
			13	23.66	-5.70	15.81	<=38.45	Pass
		25	0	23.74	-5.70	15.89	<=38.45	Pass
16QAM	826.5	1	0	24.00	-5.70	16.15	<=38.45	Pass
			13	23.85	-5.70	16.00	<=38.45	Pass
			24	23.83	-5.70	15.98	<=38.45	Pass
		12	0	22.83	-5.70	14.98	<=38.45	Pass
			6	22.77	-5.70	14.92	<=38.45	Pass
			13	22.72	-5.70	14.87	<=38.45	Pass
		25	0	22.73	-5.70	14.88	<=38.45	Pass
	836.5	1	0	24.19	-5.70	16.34	<=38.45	Pass
			13	24.17	-5.70	16.32	<=38.45	Pass
			24	24.14	-5.70	16.29	<=38.45	Pass
		12	0	22.76	-5.70	14.91	<=38.45	Pass
			6	22.76	-5.70	14.91	<=38.45	Pass
			13	22.75	-5.70	14.90	<=38.45	Pass
		25	0	22.77	-5.70	14.92	<=38.45	Pass
	846.5	1	0	23.63	-5.70	15.78	<=38.45	Pass
			13	23.64	-5.70	15.79	<=38.45	Pass
			24	23.66	-5.70	15.81	<=38.45	Pass

64QAM	826.5	12	0	22.83	-5.70	14.98	<=38.45	Pass
			6	22.80	-5.70	14.95	<=38.45	Pass
			13	22.79	-5.70	14.94	<=38.45	Pass
		25	0	22.82	-5.70	14.97	<=38.45	Pass
			6	22.80	-5.70	14.95	<=38.45	Pass
			13	22.79	-5.70	14.94	<=38.45	Pass
	836.5	1	0	23.12	-5.70	15.27	<=38.45	Pass
			13	22.97	-5.70	15.12	<=38.45	Pass
			24	22.95	-5.70	15.10	<=38.45	Pass
		12	0	21.88	-5.70	14.03	<=38.45	Pass
			6	21.81	-5.70	13.96	<=38.45	Pass
			13	21.75	-5.70	13.90	<=38.45	Pass
		25	0	21.85	-5.70	14.00	<=38.45	Pass
			6	21.85	-5.70	14.00	<=38.45	Pass
			13	21.85	-5.70	14.00	<=38.45	Pass
		1	0	22.95	-5.70	15.10	<=38.45	Pass
			13	22.92	-5.70	15.07	<=38.45	Pass
			24	22.91	-5.70	15.06	<=38.45	Pass
	846.5	12	0	21.68	-5.70	13.83	<=38.45	Pass
			6	21.70	-5.70	13.85	<=38.45	Pass
			13	21.69	-5.70	13.84	<=38.45	Pass
		25	0	21.68	-5.70	13.83	<=38.45	Pass
			6	21.68	-5.70	13.83	<=38.45	Pass
			13	21.68	-5.70	13.83	<=38.45	Pass
		1	0	22.86	-5.70	15.01	<=38.45	Pass
			13	22.87	-5.70	15.02	<=38.45	Pass
			24	22.90	-5.70	15.05	<=38.45	Pass
		12	0	21.79	-5.70	13.94	<=38.45	Pass
			6	21.76	-5.70	13.91	<=38.45	Pass
			13	21.75	-5.70	13.90	<=38.45	Pass
		25	0	21.81	-5.70	13.96	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.85	-5.70	17.00	<=38.45	Pass
			25	24.69	-5.70	16.84	<=38.45	Pass
			49	24.70	-5.70	16.85	<=38.45	Pass
		25	0	23.76	-5.70	15.91	<=38.45	Pass
			13	23.70	-5.70	15.85	<=38.45	Pass
			25	23.73	-5.70	15.88	<=38.45	Pass
		50	0	23.76	-5.70	15.91	<=38.45	Pass
			0	24.80	-5.70	16.95	<=38.45	Pass
			25	24.77	-5.70	16.92	<=38.45	Pass
	836.5	1	0	24.80	-5.70	16.95	<=38.45	Pass
			25	24.77	-5.70	16.92	<=38.45	Pass
			49	24.80	-5.70	16.95	<=38.45	Pass
		25	0	23.71	-5.70	15.86	<=38.45	Pass
			13	23.72	-5.70	15.87	<=38.45	Pass
			25	23.72	-5.70	15.87	<=38.45	Pass
		50	0	23.71	-5.70	15.86	<=38.45	Pass
			0	24.85	-5.70	17.00	<=38.45	Pass
			25	24.68	-5.70	16.83	<=38.45	Pass
	844	1	0	24.77	-5.70	16.92	<=38.45	Pass
			25	24.77	-5.70	16.92	<=38.45	Pass
			49	24.77	-5.70	16.92	<=38.45	Pass
		25	0	23.70	-5.70	15.85	<=38.45	Pass
			13	23.67	-5.70	15.82	<=38.45	Pass
			25	23.66	-5.70	15.81	<=38.45	Pass
		50	0	23.66	-5.70	15.81	<=38.45	Pass
			0	23.82	-5.70	15.97	<=38.45	Pass
			25	23.68	-5.70	15.83	<=38.45	Pass
16QAM	829	1	0	23.82	-5.70	15.97	<=38.45	Pass
			25	23.68	-5.70	15.83	<=38.45	Pass
			49	23.72	-5.70	15.87	<=38.45	Pass
		25	0	22.76	-5.70	14.91	<=38.45	Pass
			13	22.71	-5.70	14.86	<=38.45	Pass
			25	22.74	-5.70	14.89	<=38.45	Pass
		50	0	22.72	-5.70	14.87	<=38.45	Pass
			0	23.67	-5.70	15.82	<=38.45	Pass
			25	23.67	-5.70	15.82	<=38.45	Pass

64QAM	844	25	49	23.69	-5.70	15.84	<=38.45	Pass
			0	22.73	-5.70	14.88	<=38.45	Pass
			13	22.77	-5.70	14.92	<=38.45	Pass
			25	22.77	-5.70	14.92	<=38.45	Pass
		50	0	22.71	-5.70	14.86	<=38.45	Pass
	844	1	0	24.18	-5.70	16.33	<=38.45	Pass
			25	24.05	-5.70	16.20	<=38.45	Pass
			49	24.15	-5.70	16.30	<=38.45	Pass
		25	0	22.71	-5.70	14.86	<=38.45	Pass
			13	22.67	-5.70	14.82	<=38.45	Pass
			25	22.69	-5.70	14.84	<=38.45	Pass
		50	0	22.67	-5.70	14.82	<=38.45	Pass
	829	1	0	22.72	-5.70	14.87	<=38.45	Pass
			25	22.56	-5.70	14.71	<=38.45	Pass
			49	22.61	-5.70	14.76	<=38.45	Pass
		25	0	21.68	-5.70	13.83	<=38.45	Pass
			13	21.65	-5.70	13.80	<=38.45	Pass
			25	21.67	-5.70	13.82	<=38.45	Pass
		50	0	21.73	-5.70	13.88	<=38.45	Pass
		1	0	23.11	-5.70	15.26	<=38.45	Pass
			25	23.12	-5.70	15.27	<=38.45	Pass
			49	23.13	-5.70	15.28	<=38.45	Pass
		25	0	21.70	-5.70	13.85	<=38.45	Pass
			13	21.72	-5.70	13.87	<=38.45	Pass
			25	21.77	-5.70	13.92	<=38.45	Pass
		50	0	21.71	-5.70	13.86	<=38.45	Pass
	844	1	0	22.92	-5.70	15.07	<=38.45	Pass
			25	22.80	-5.70	14.95	<=38.45	Pass
			49	22.89	-5.70	15.04	<=38.45	Pass
		25	0	21.73	-5.70	13.88	<=38.45	Pass
			13	21.69	-5.70	13.84	<=38.45	Pass
			25	21.68	-5.70	13.83	<=38.45	Pass
		50	0	21.66	-5.70	13.81	<=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	-5.967	-0.0071	-2.5 to 2.5	Pass
					NV	-1.240	-0.0015	-2.5 to 2.5	Pass
					HV	-2.612	-0.0031	-2.5 to 2.5	Pass
				-30	NV	-2.386	-0.0029	-2.5 to 2.5	Pass
				-20	NV	-4.339	-0.0052	-2.5 to 2.5	Pass
				-10	NV	-5.244	-0.0063	-2.5 to 2.5	Pass
				0	NV	-1.861	-0.0022	-2.5 to 2.5	Pass
				10	NV	-2.432	-0.0029	-2.5 to 2.5	Pass
				30	NV	-0.994	-0.0012	-2.5 to 2.5	Pass
				40	NV	-1.172	-0.0014	-2.5 to 2.5	Pass
				50	NV	-2.168	-0.0026	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

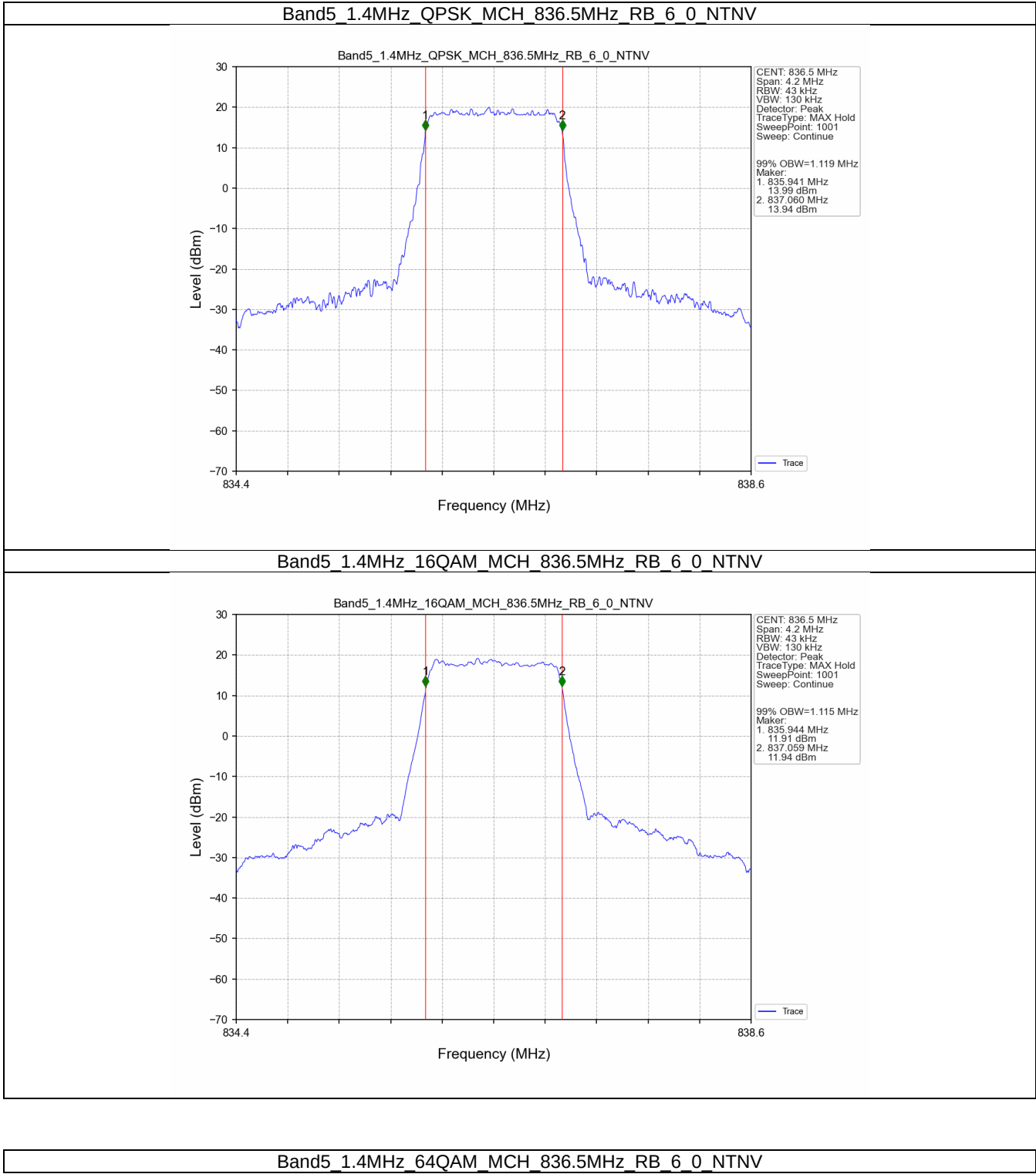
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.119	/	Pass
	16QAM	836.5	6	0	1.115	/	Pass
	64QAM	836.5	6	0	1.106	/	Pass
3	QPSK	836.5	15	0	2.736	/	Pass
	16QAM	836.5	15	0	2.728	/	Pass
	64QAM	836.5	15	0	2.725	/	Pass
5	QPSK	836.5	25	0	4.557	/	Pass
	16QAM	836.5	25	0	4.537	/	Pass
	64QAM	836.5	25	0	4.558	/	Pass
10	QPSK	836.5	50	0	9.072	/	Pass
	16QAM	836.5	50	0	9.069	/	Pass
	64QAM	836.5	50	0	9.077	/	Pass

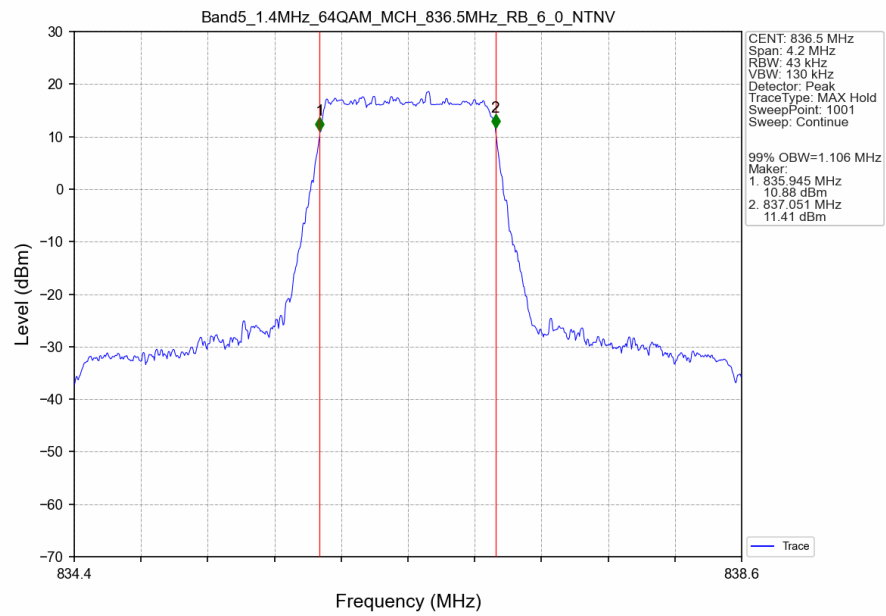
3.1.2 Band5_XDB

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	1.305	/	Pass
	16QAM	836.5	6	0	1.335	/	Pass
	64QAM	836.5	6	0	1.301	/	Pass
3	QPSK	836.5	15	0	3.045	/	Pass
	16QAM	836.5	15	0	2.984	/	Pass
	64QAM	836.5	15	0	3.031	/	Pass
5	QPSK	836.5	25	0	5.063	/	Pass
	16QAM	836.5	25	0	5.041	/	Pass
	64QAM	836.5	25	0	5.060	/	Pass
10	QPSK	836.5	50	0	10.028	/	Pass
	16QAM	836.5	50	0	9.939	/	Pass
	64QAM	836.5	50	0	10.223	/	Pass

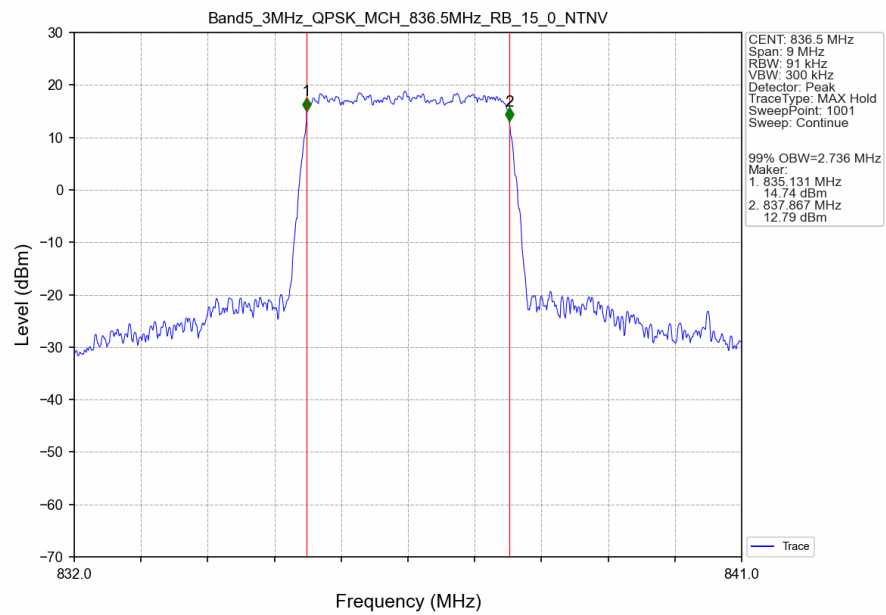
3.2 Test Graph

3.2.1 Band5_OBW

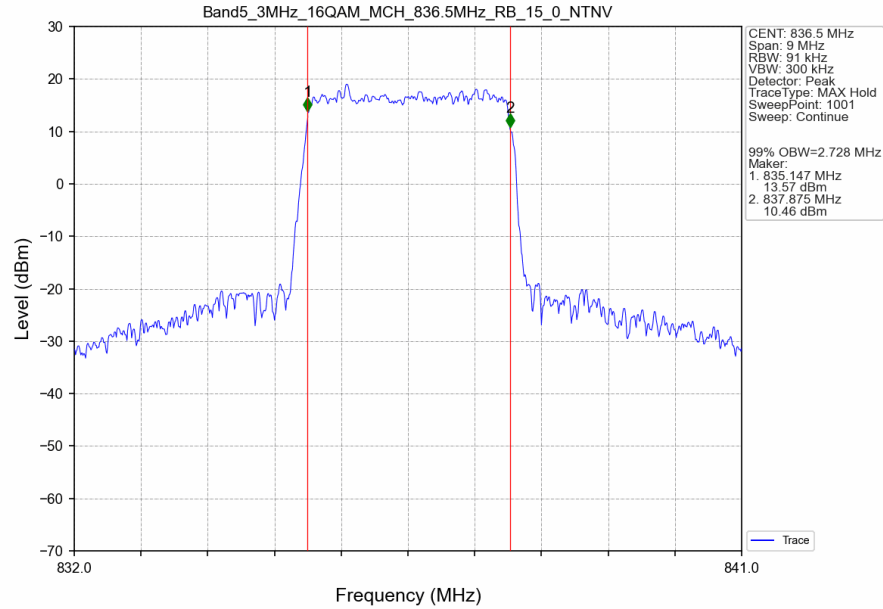




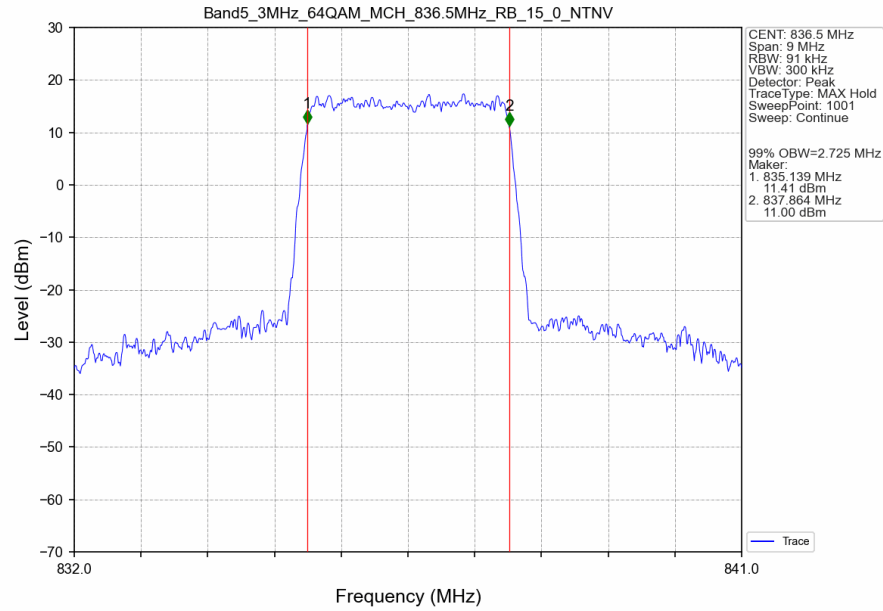
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



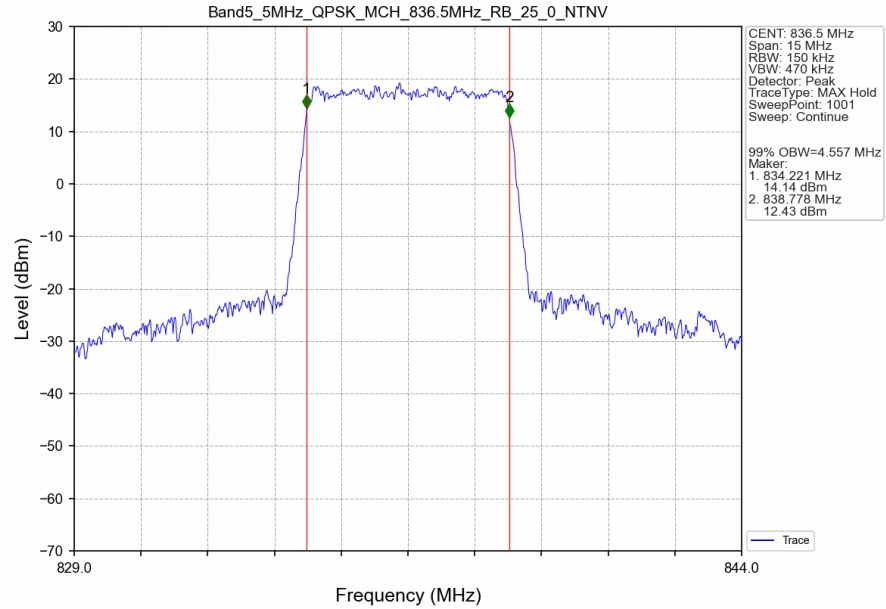
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



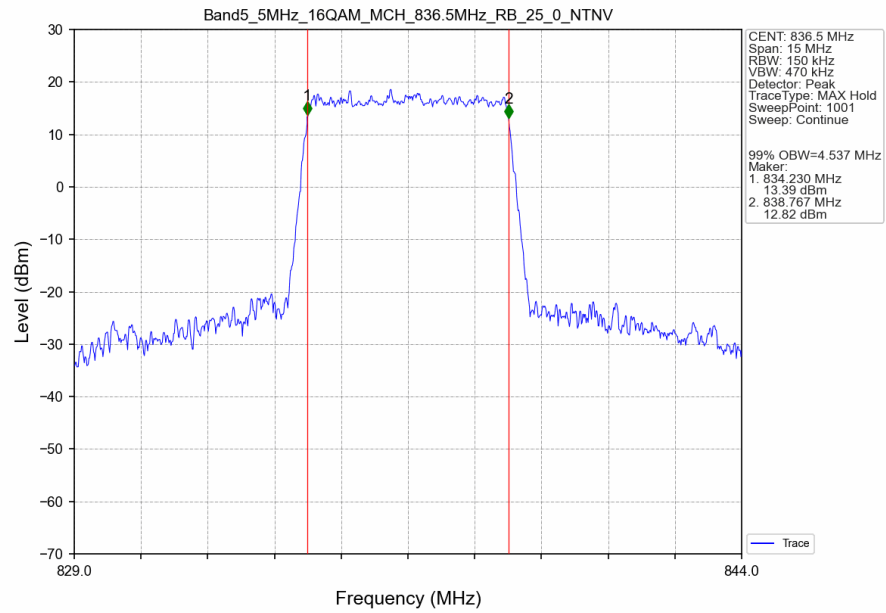
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



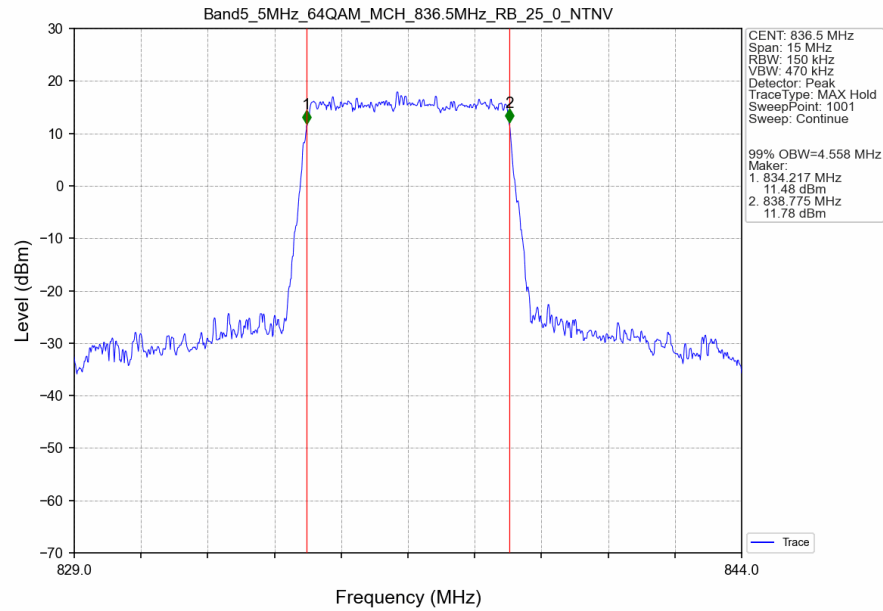
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



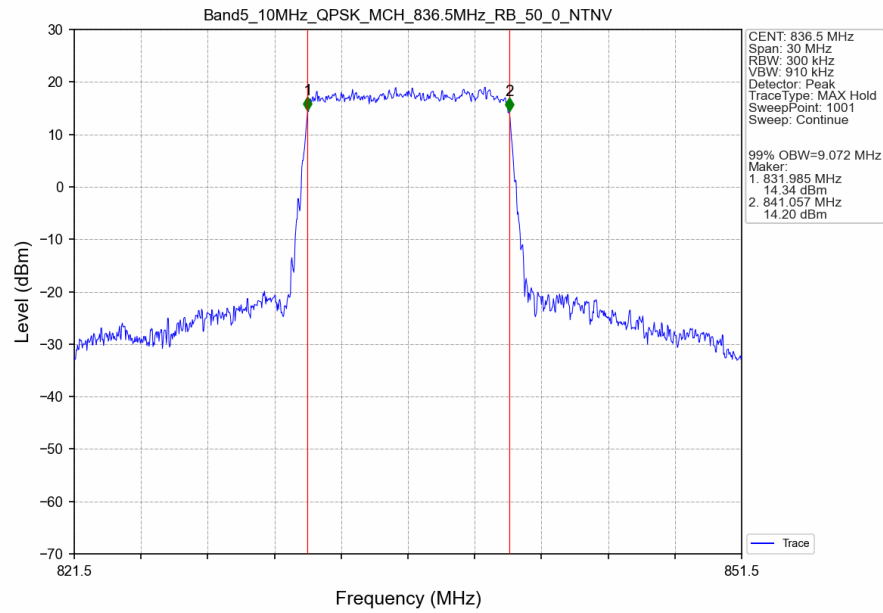
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



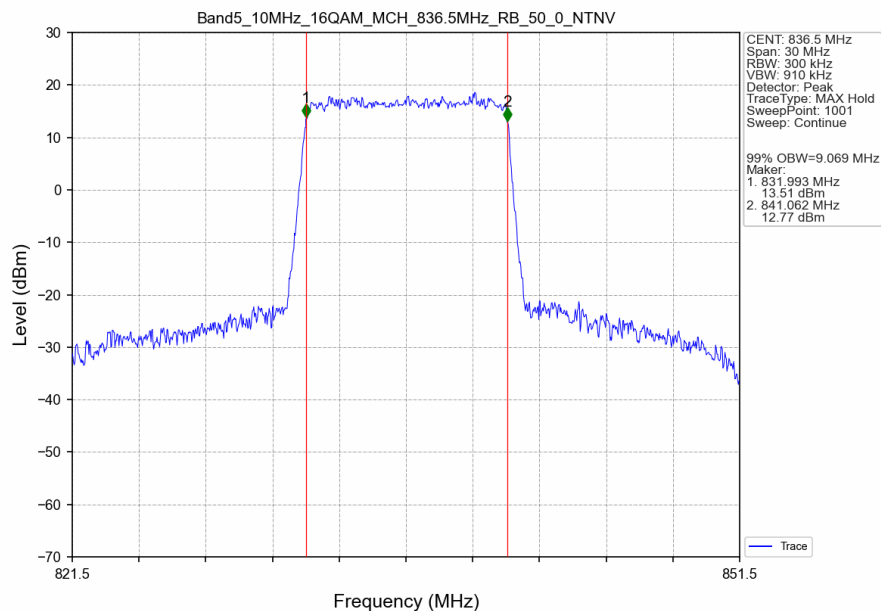
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



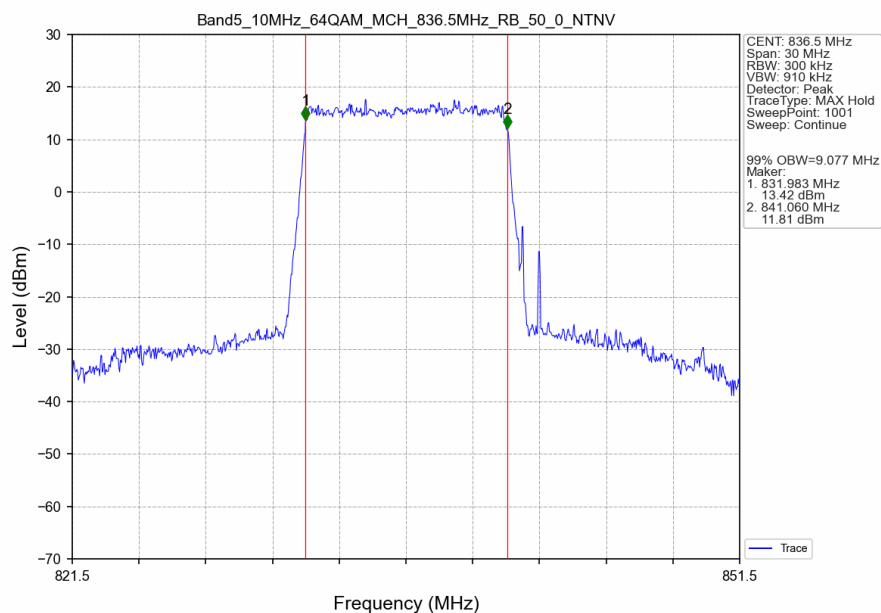
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



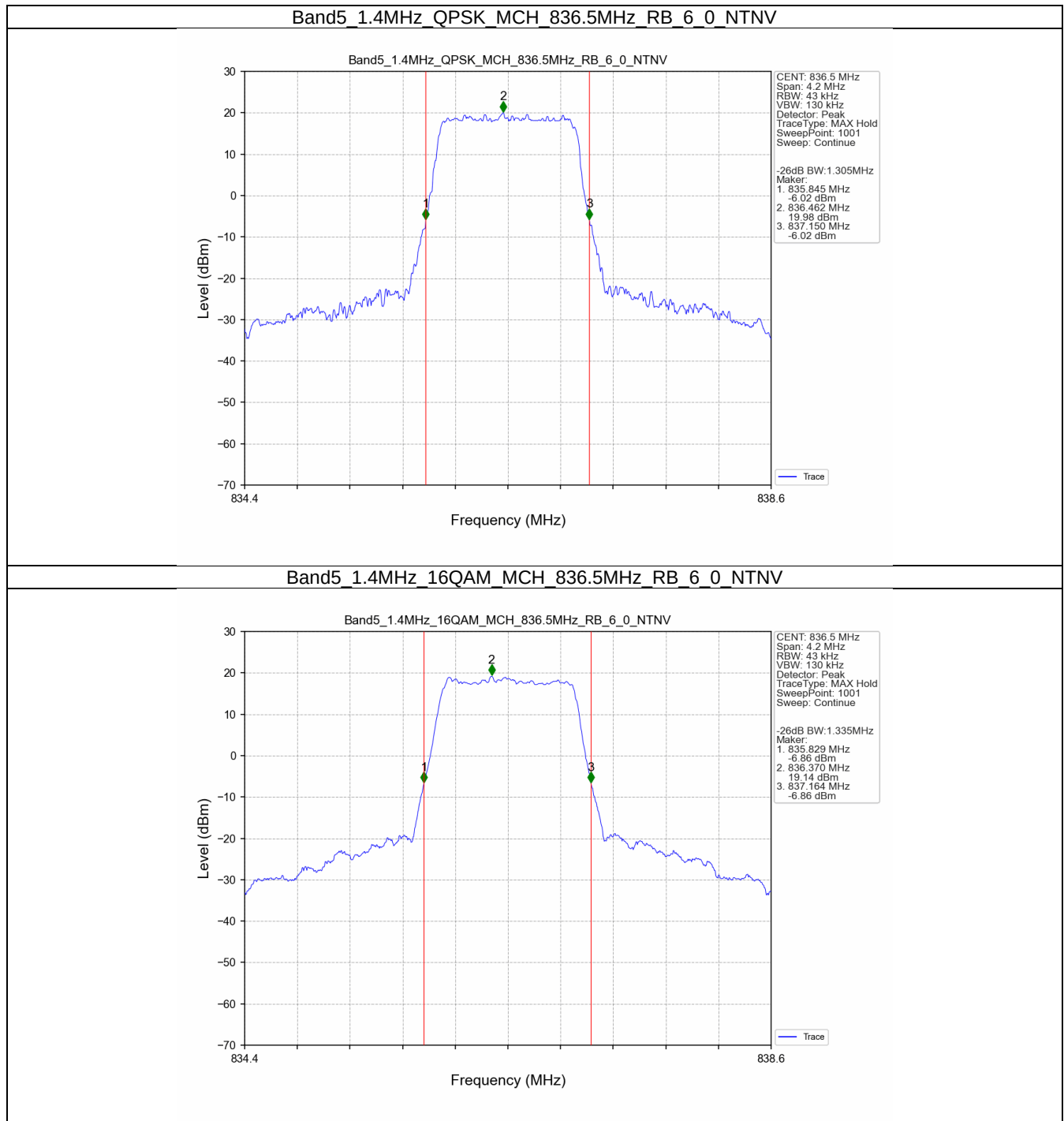
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



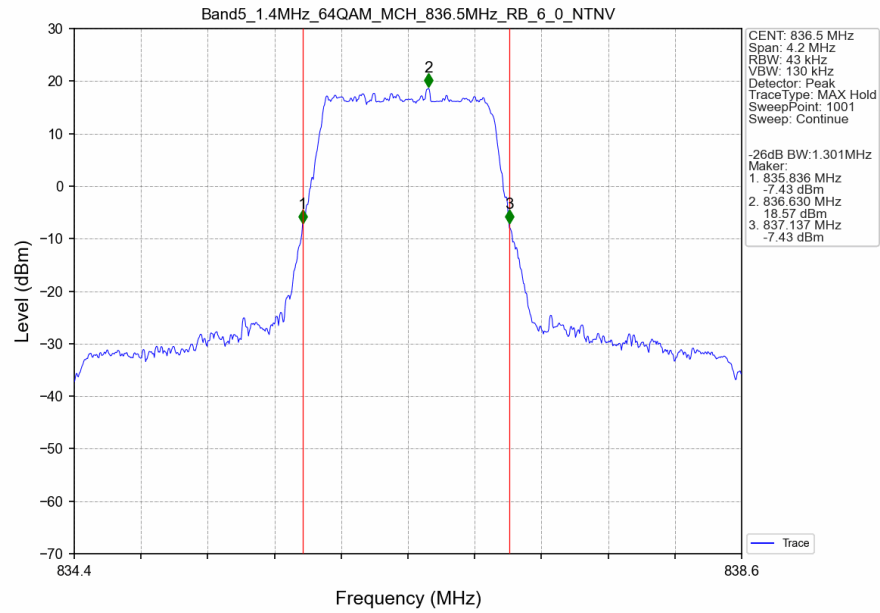
Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



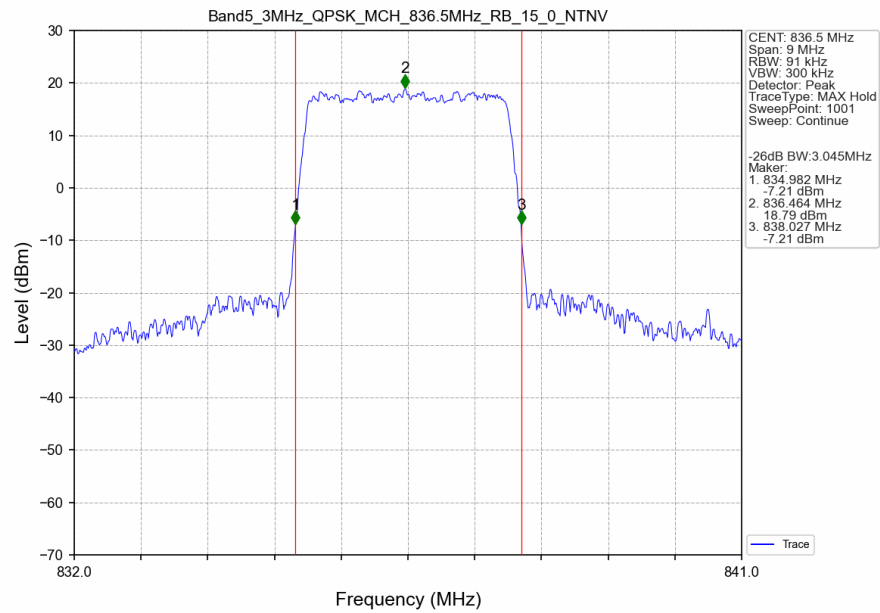
3.2.2 Band5_XDB



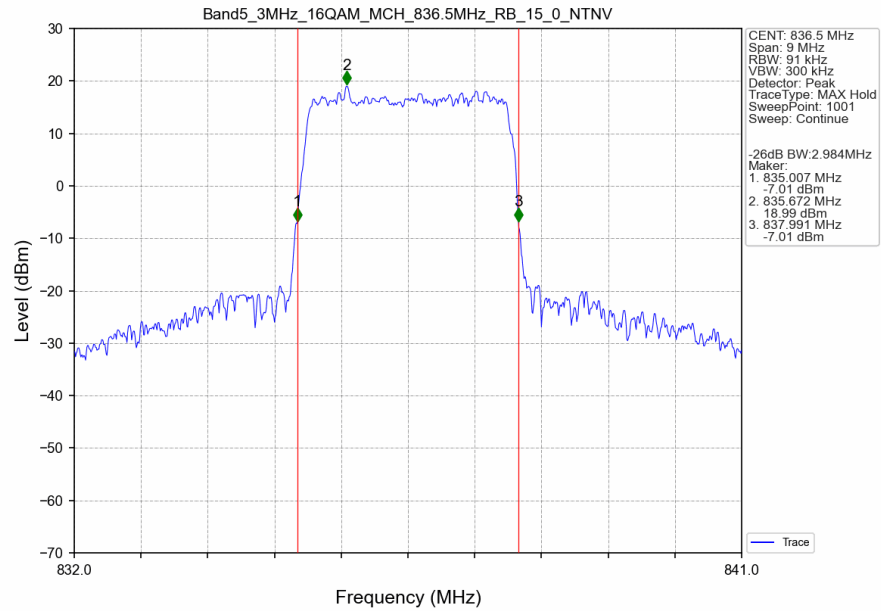
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



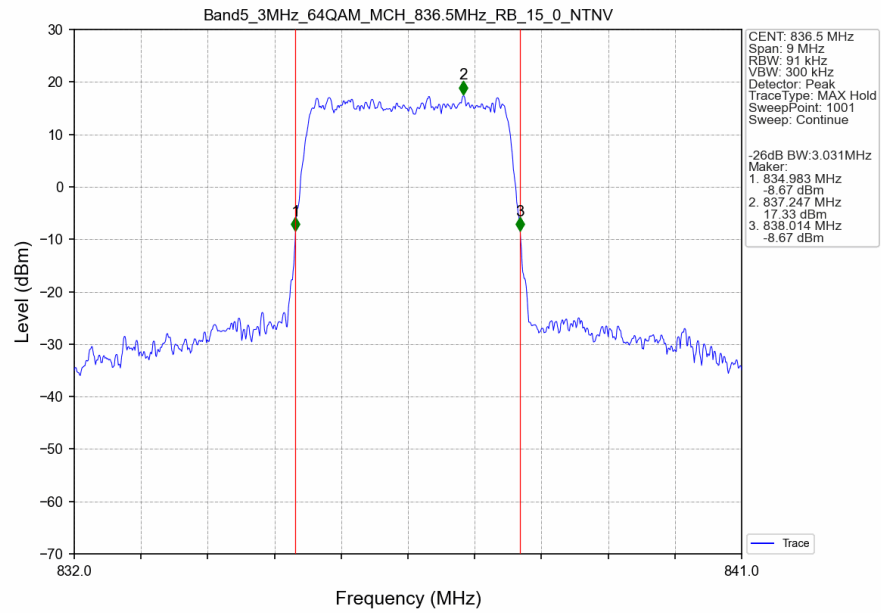
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



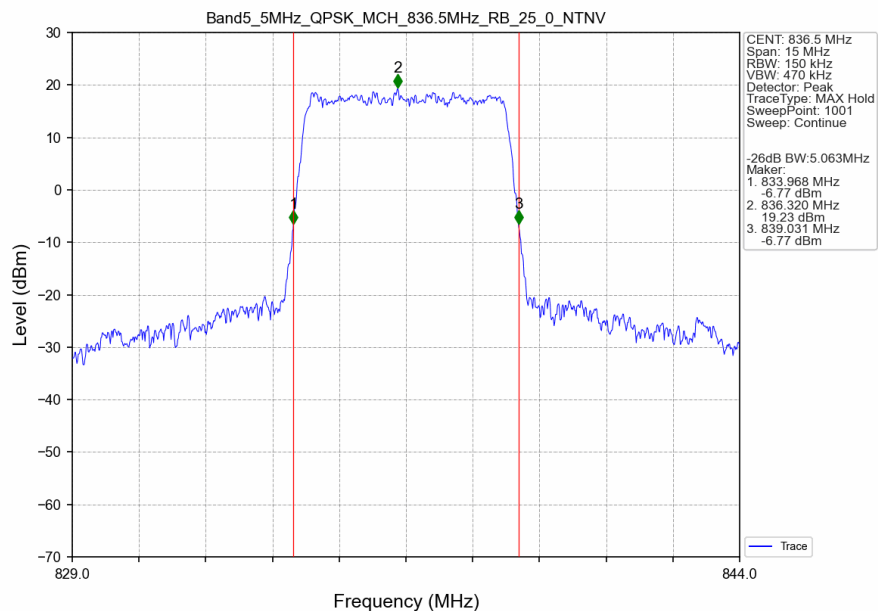
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



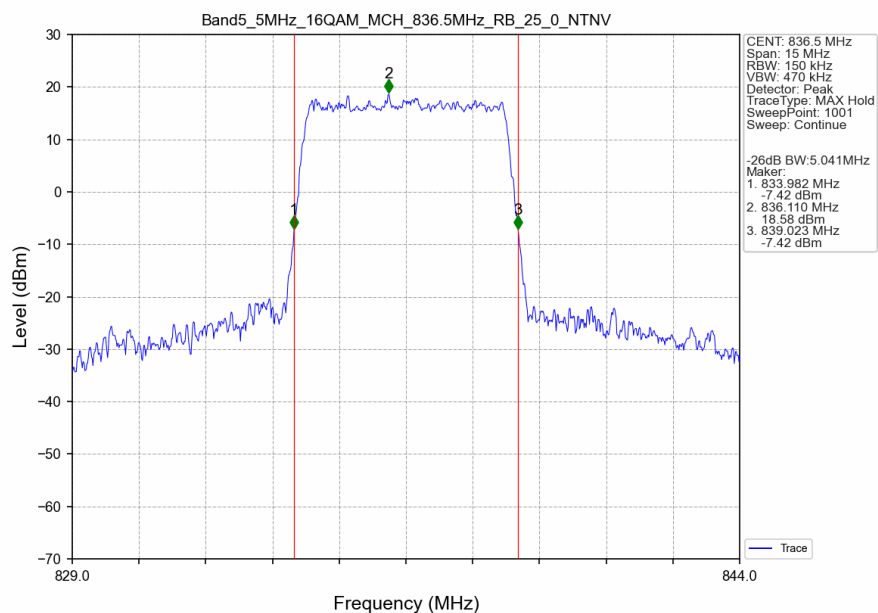
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



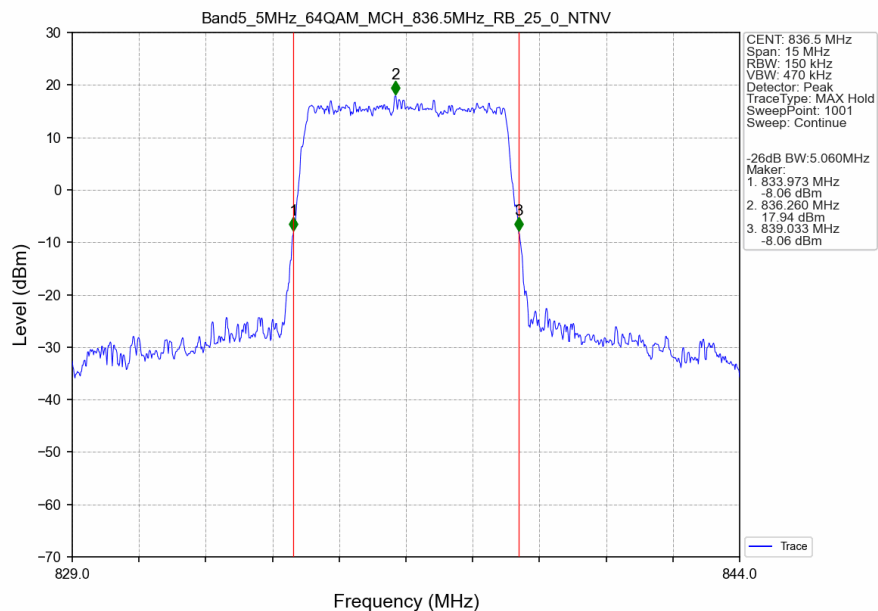
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



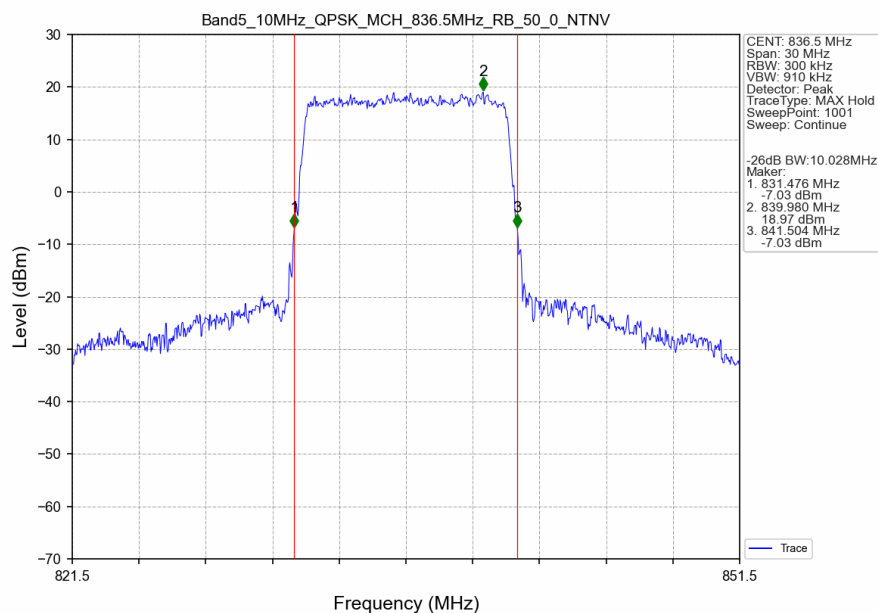
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



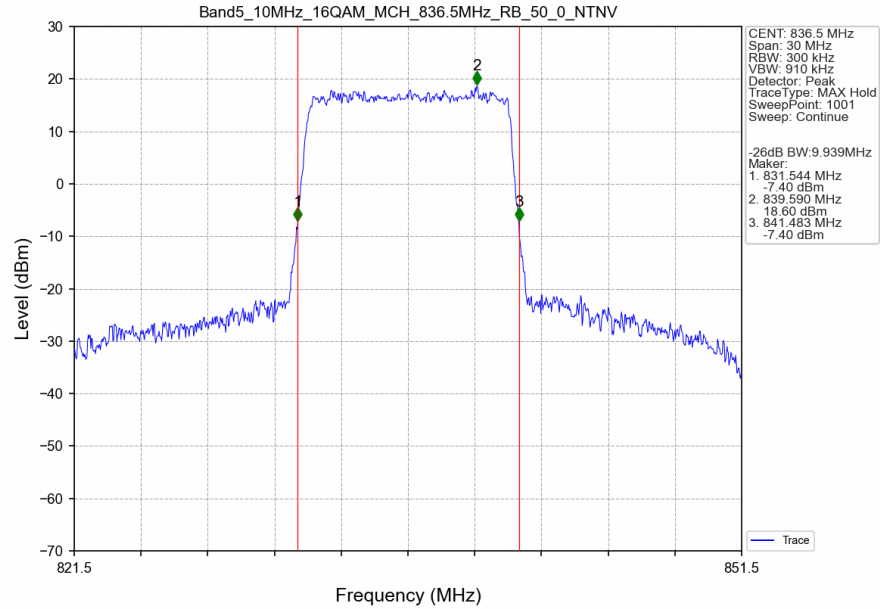
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



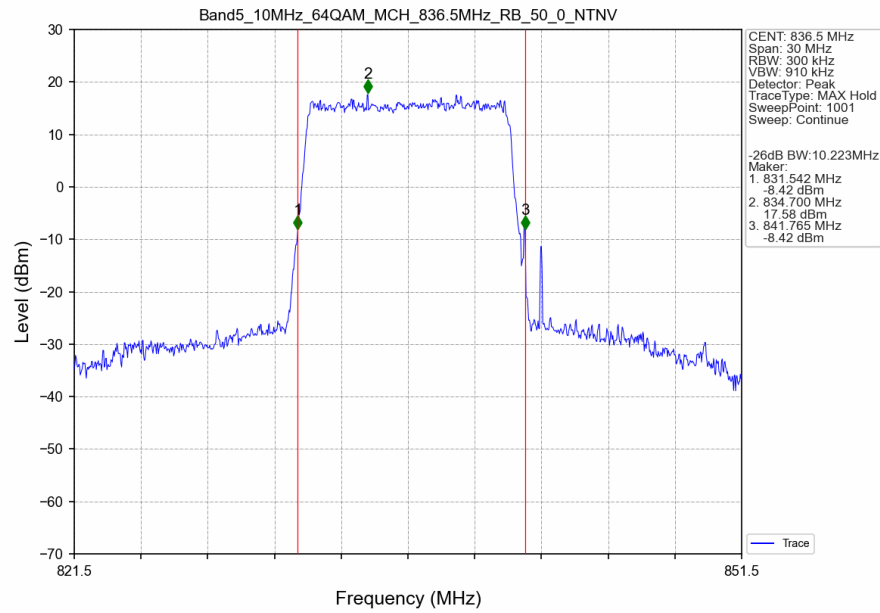
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

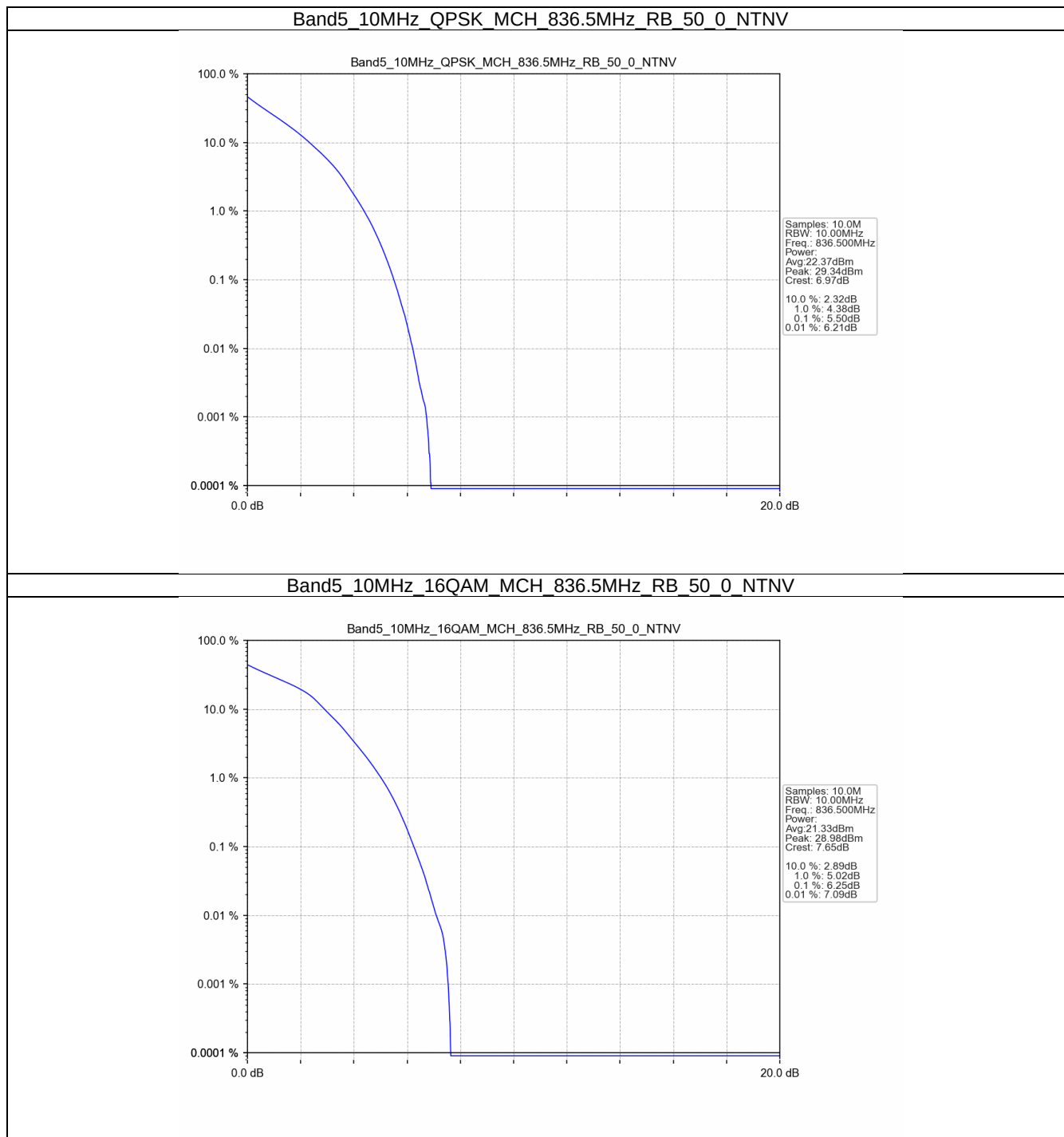
4.1 Test Result

4.1.1 B5_10MHz

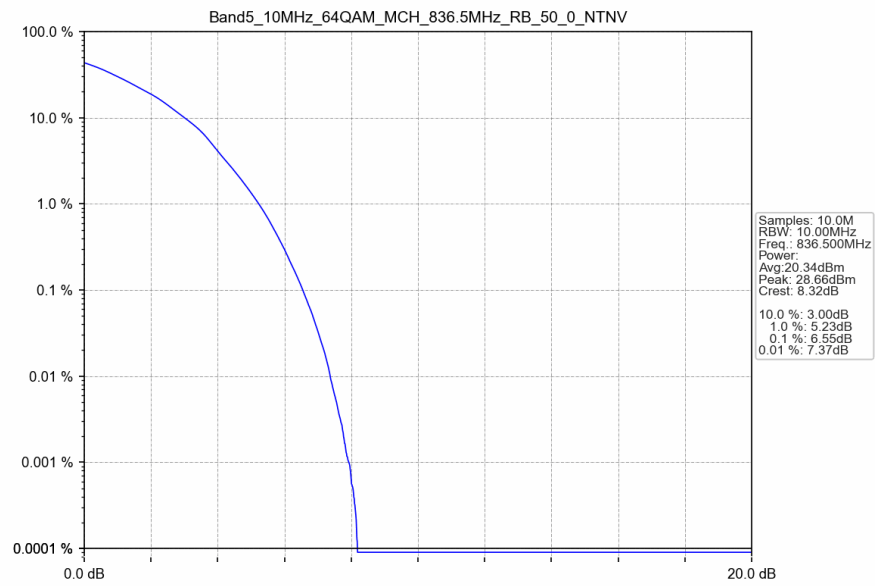
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.50	<=13	Pass
16QAM	836.5	50	0	6.25	<=13	Pass
64QAM	836.5	50	0	6.55	<=13	Pass

4.2 Test Graph

4.2.1 B5_10MHz



Band5_10MHz_64QAM_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

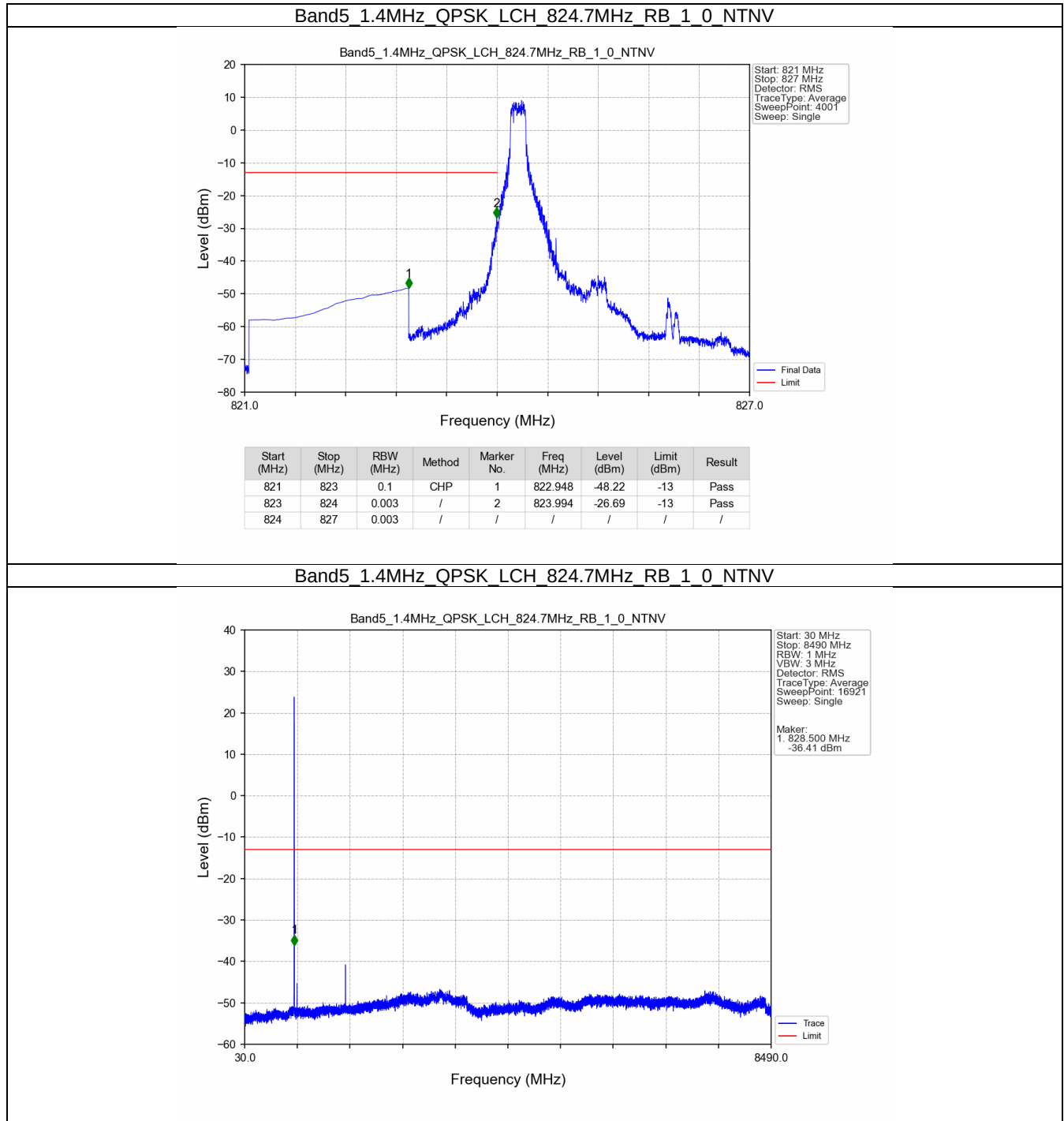
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

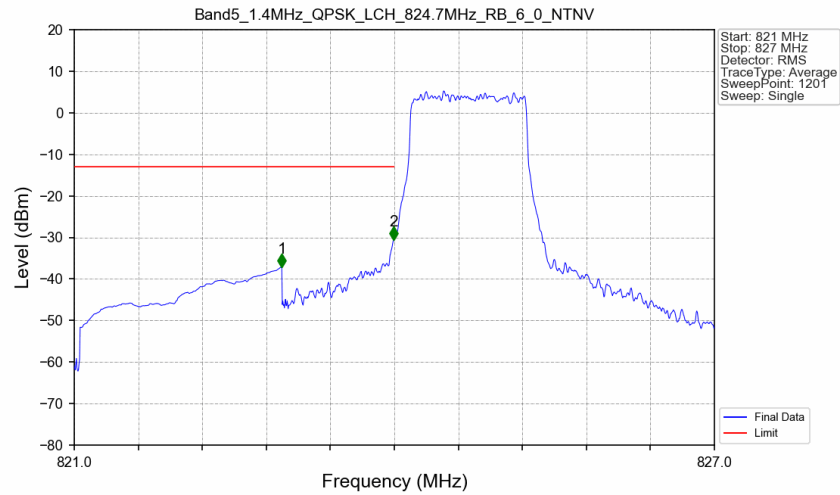
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

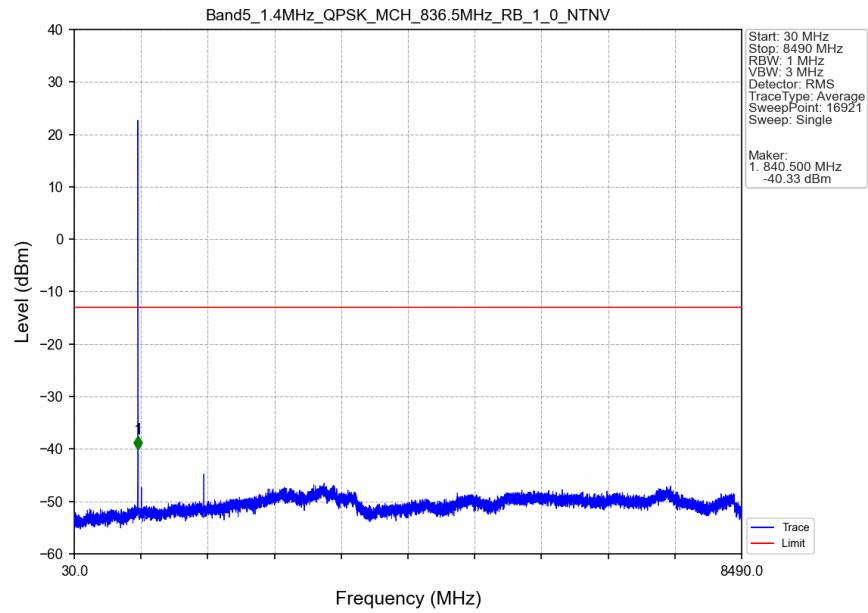


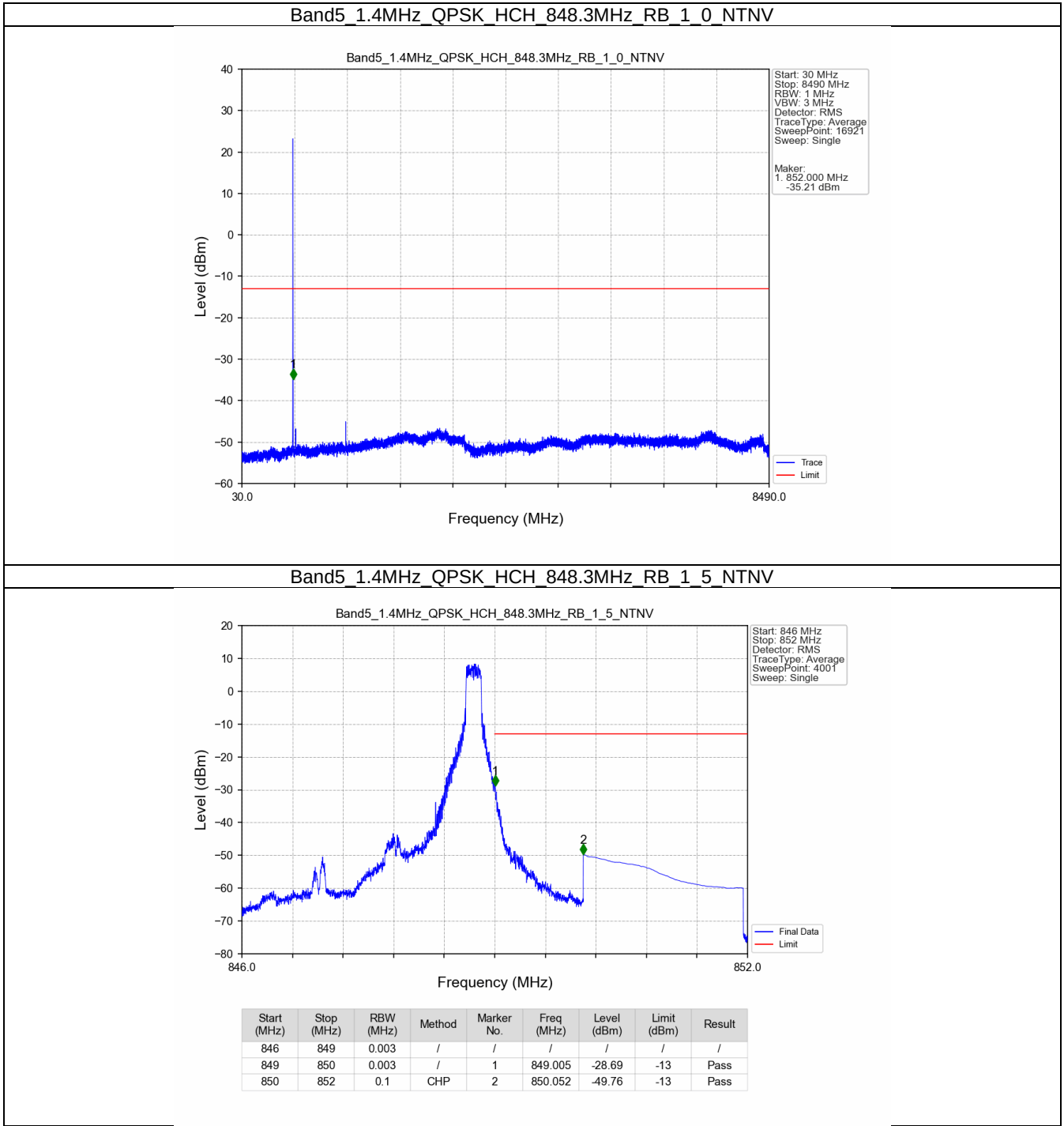
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



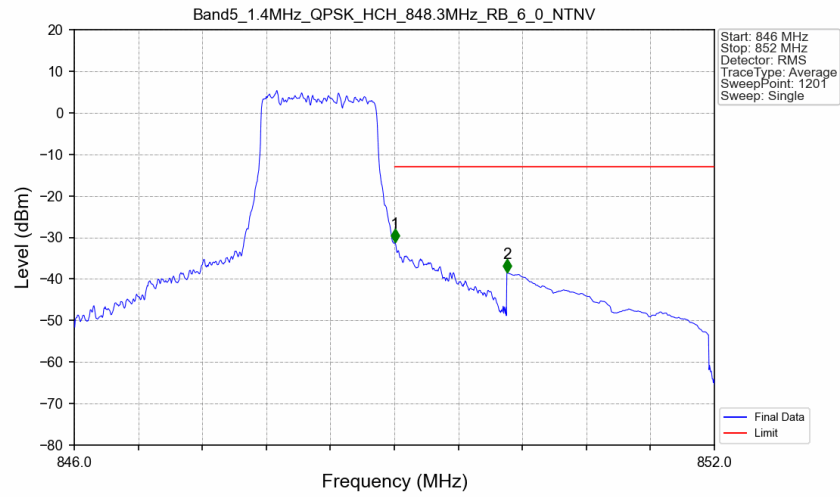
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-37.15	-13	Pass
823	824	0.013	CHP	2	823.995	-30.59	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV





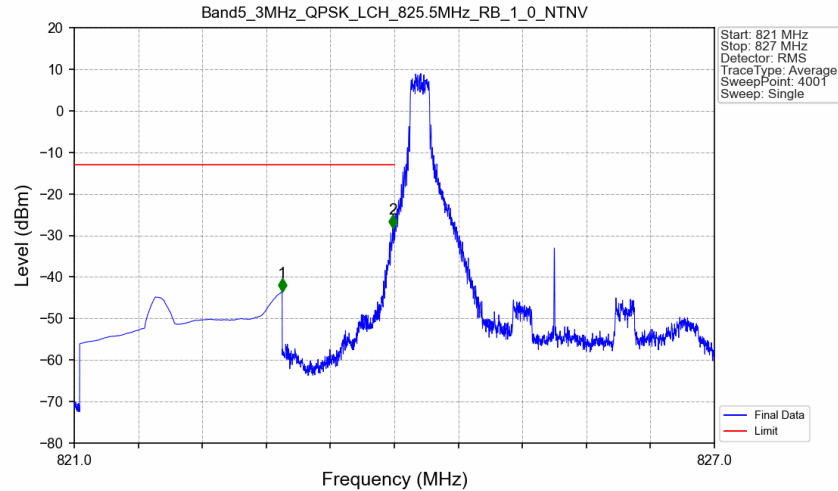
Band5 1.4MHz QPSK HCH 848.3MHz RB 6_0 NTV



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	-31.20	-13	Pass
850	852	0.1	CHP	2	850.055	-38.45	-13	Pass

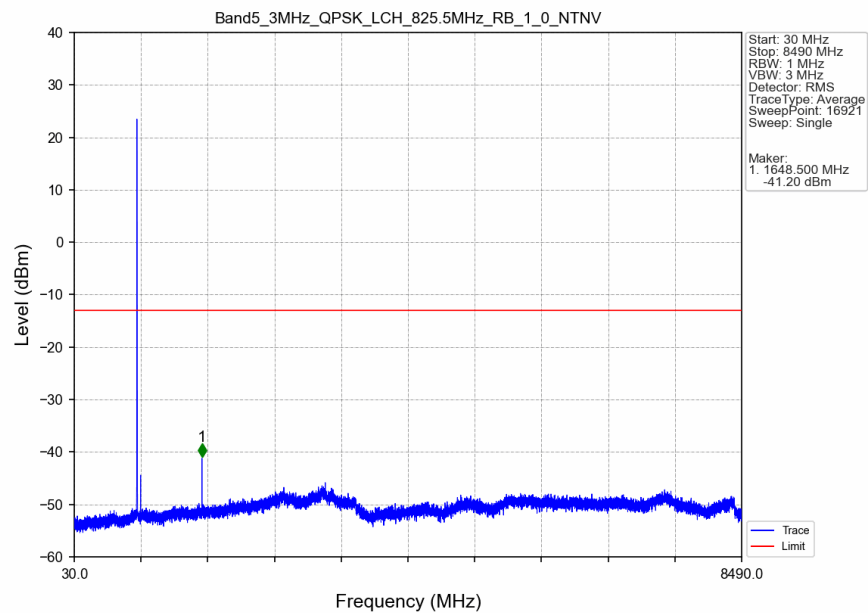
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

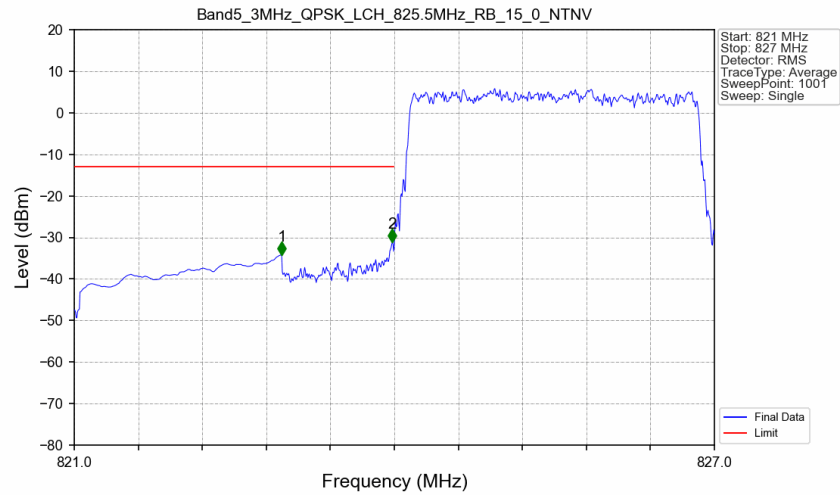


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-43.44	-13	Pass
823	824	0.003	/	2	823.985	-28.28	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

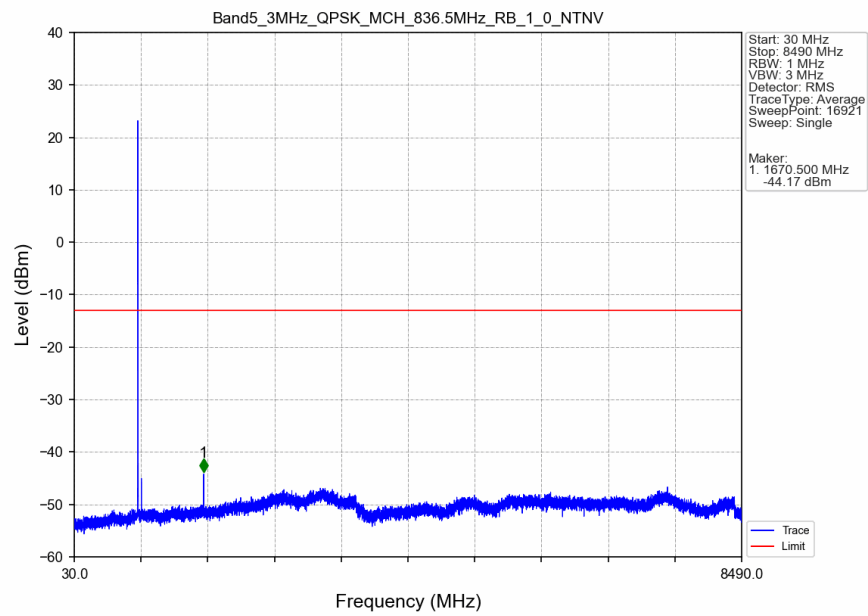


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

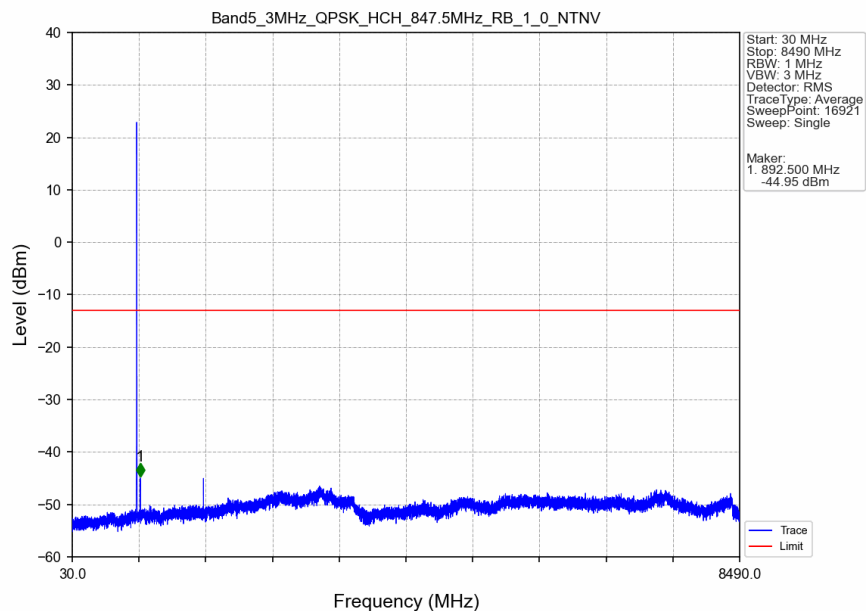


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-34.18	-13	Pass
823	824	0.03	/	2	823.982	-31.04	-13	Pass
824	827	0.03	/	/	/	/	/	/

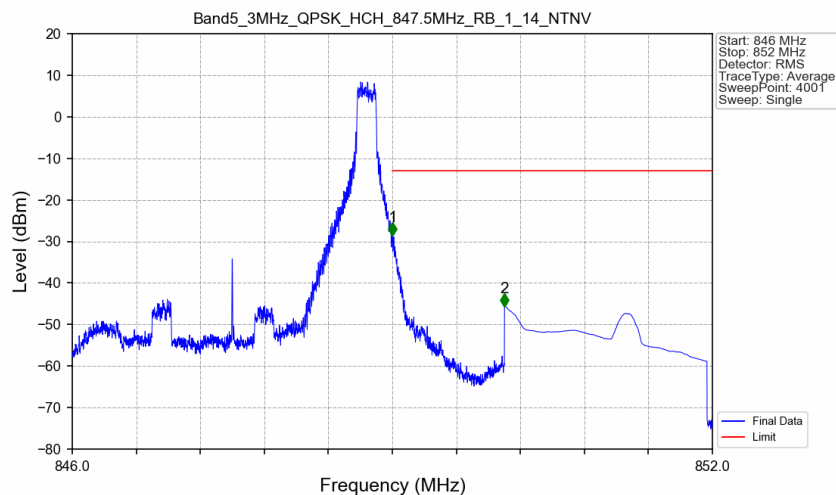
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

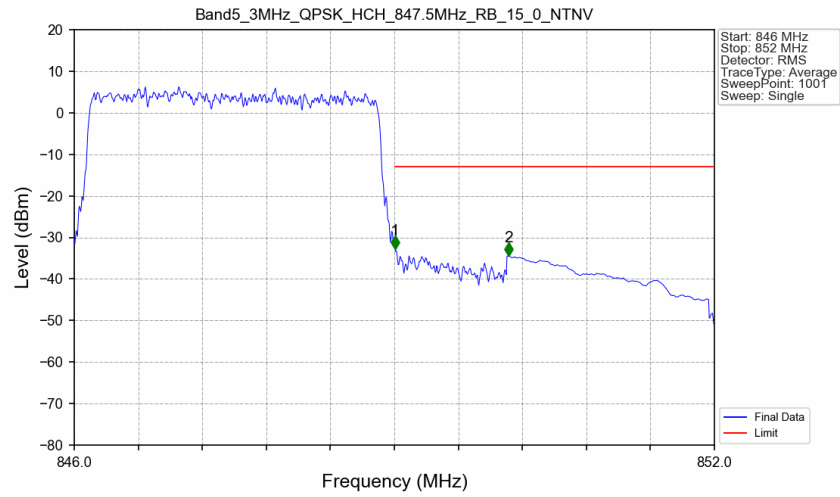


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	-28.56	-13	Pass
850	852	0.1	CHP	2	850.052	-45.67	-13	Pass

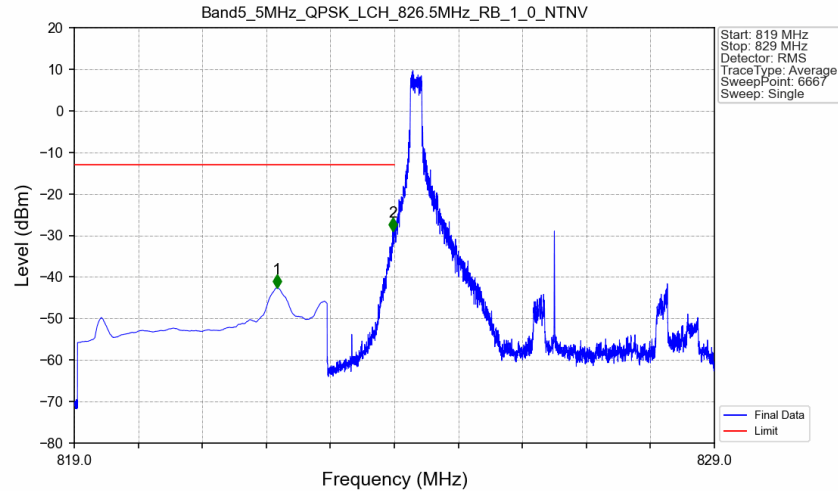
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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	-32.70	-13	Pass
850	852	0.1	CHP	2	850.074	-34.46	-13	Pass

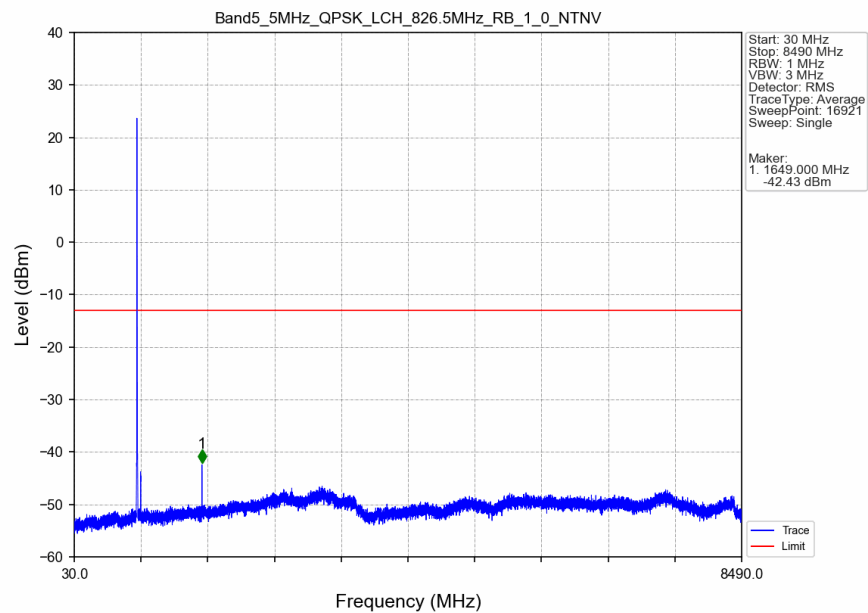
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

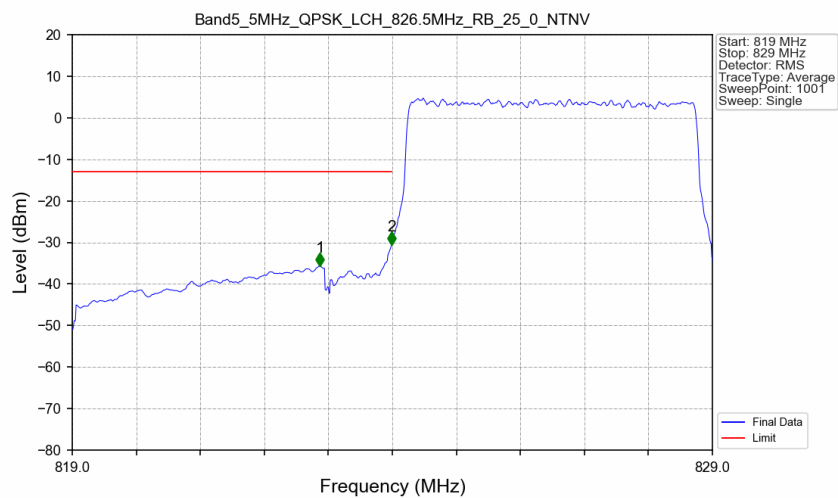


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.162	-42.59	-13	Pass
823	824	0.003	/	2	823.976	-28.97	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

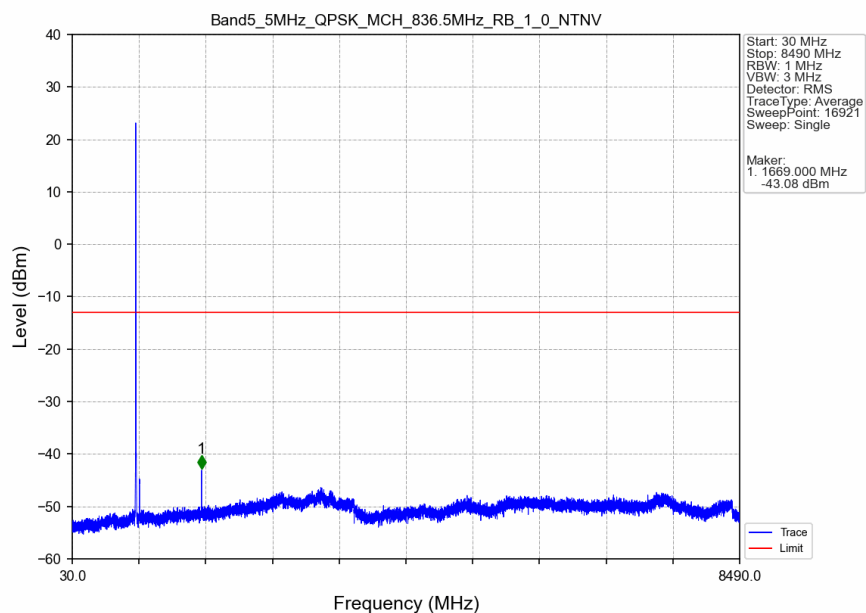


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

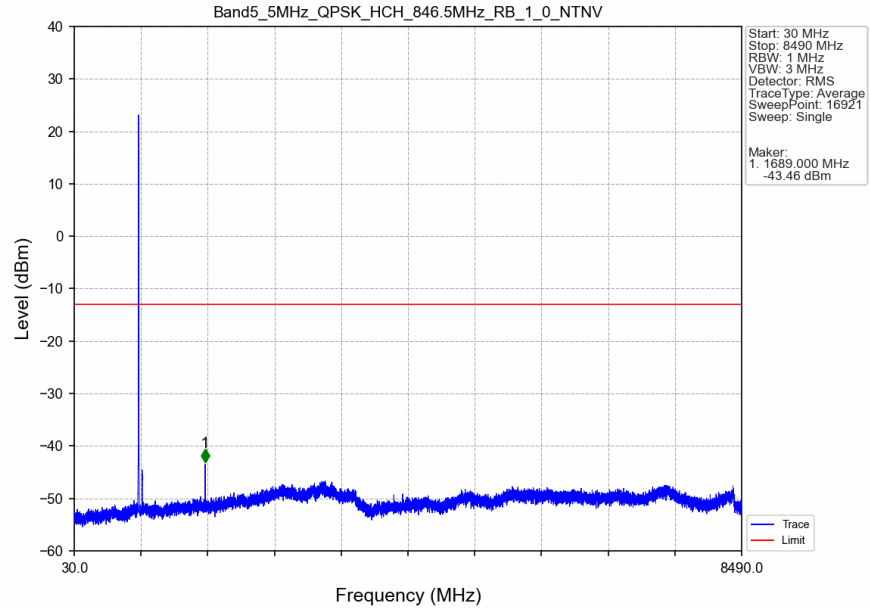


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.870	-35.68	-13	Pass
823	824	0.051	CHP	2	823.990	-30.62	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

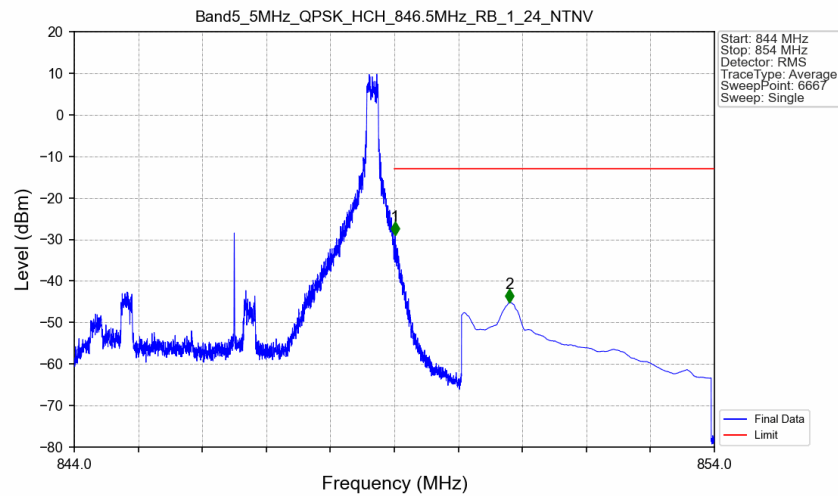
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

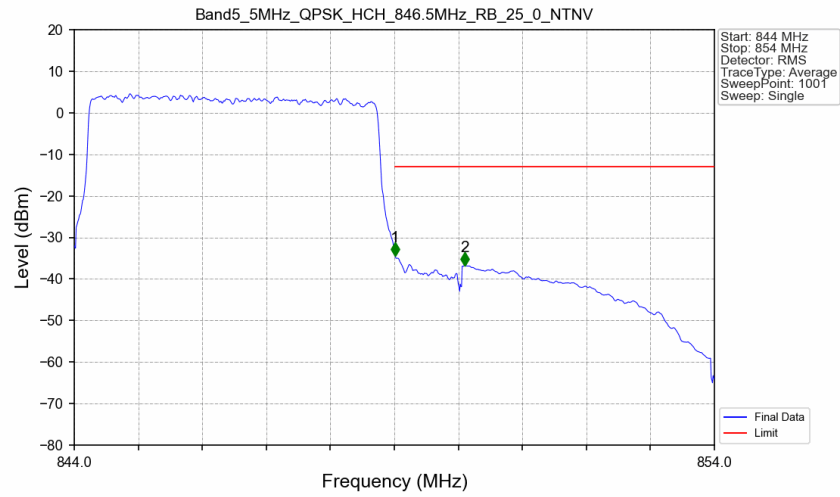


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-28.88	-13	Pass
850	854	0.1	CHP	2	850.800	-45.07	-13	Pass

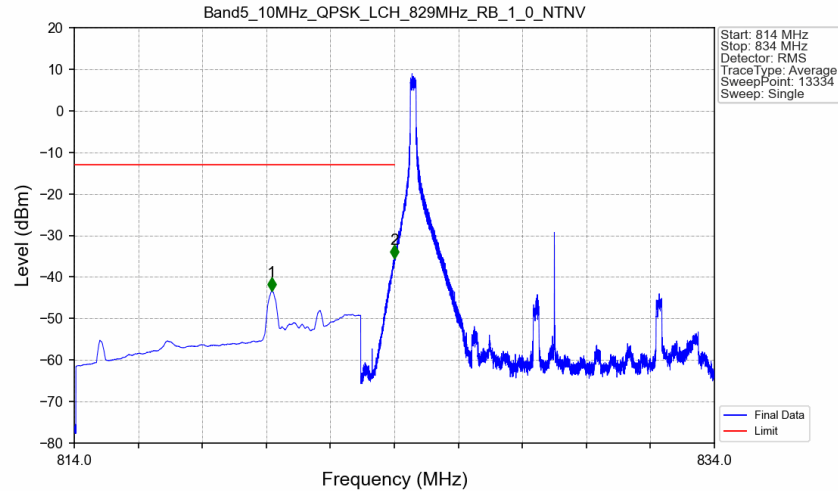
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



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	-34.37	-13	Pass
850	854	0.1	CHP	2	850.100	-36.70	-13	Pass

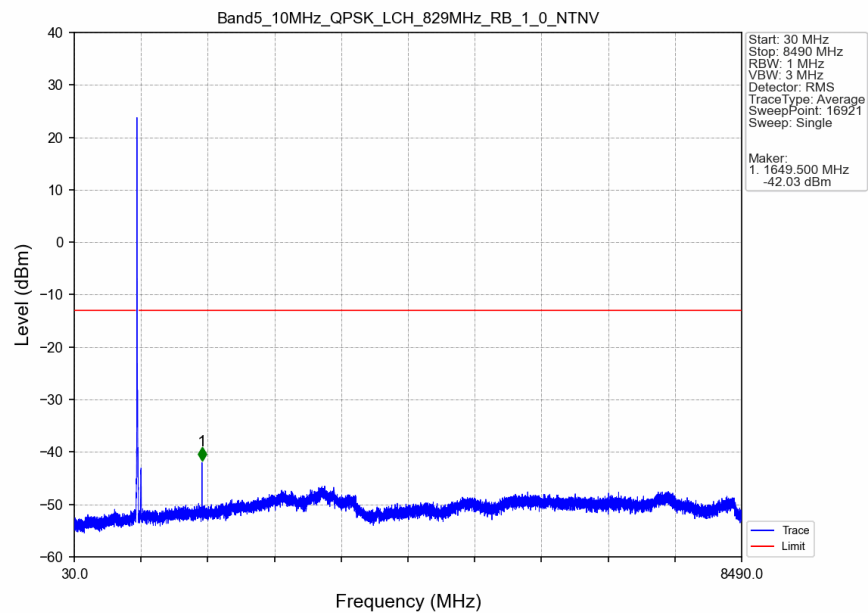
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

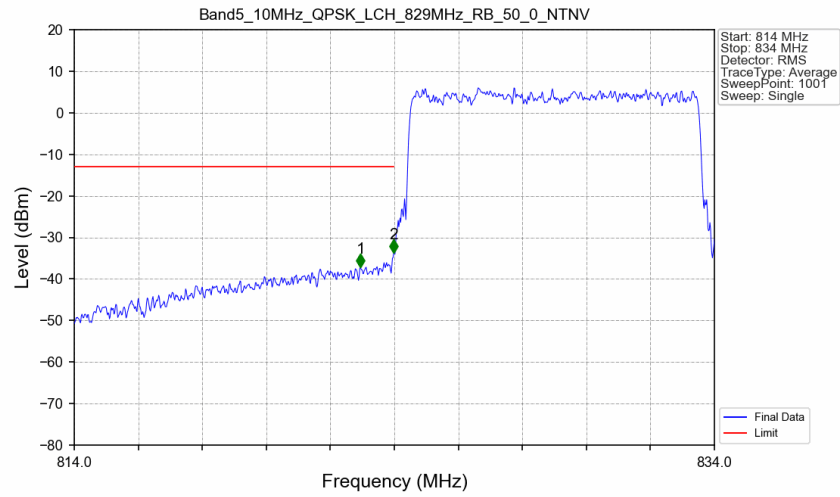


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	820.165	-43.40	-13	Pass
823	824	0.003	/	2	823.999	-35.45	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

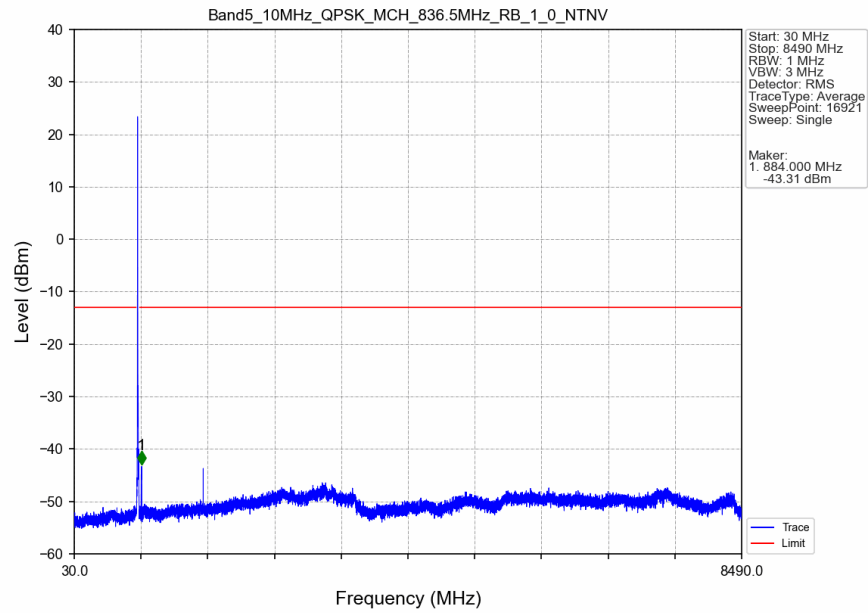


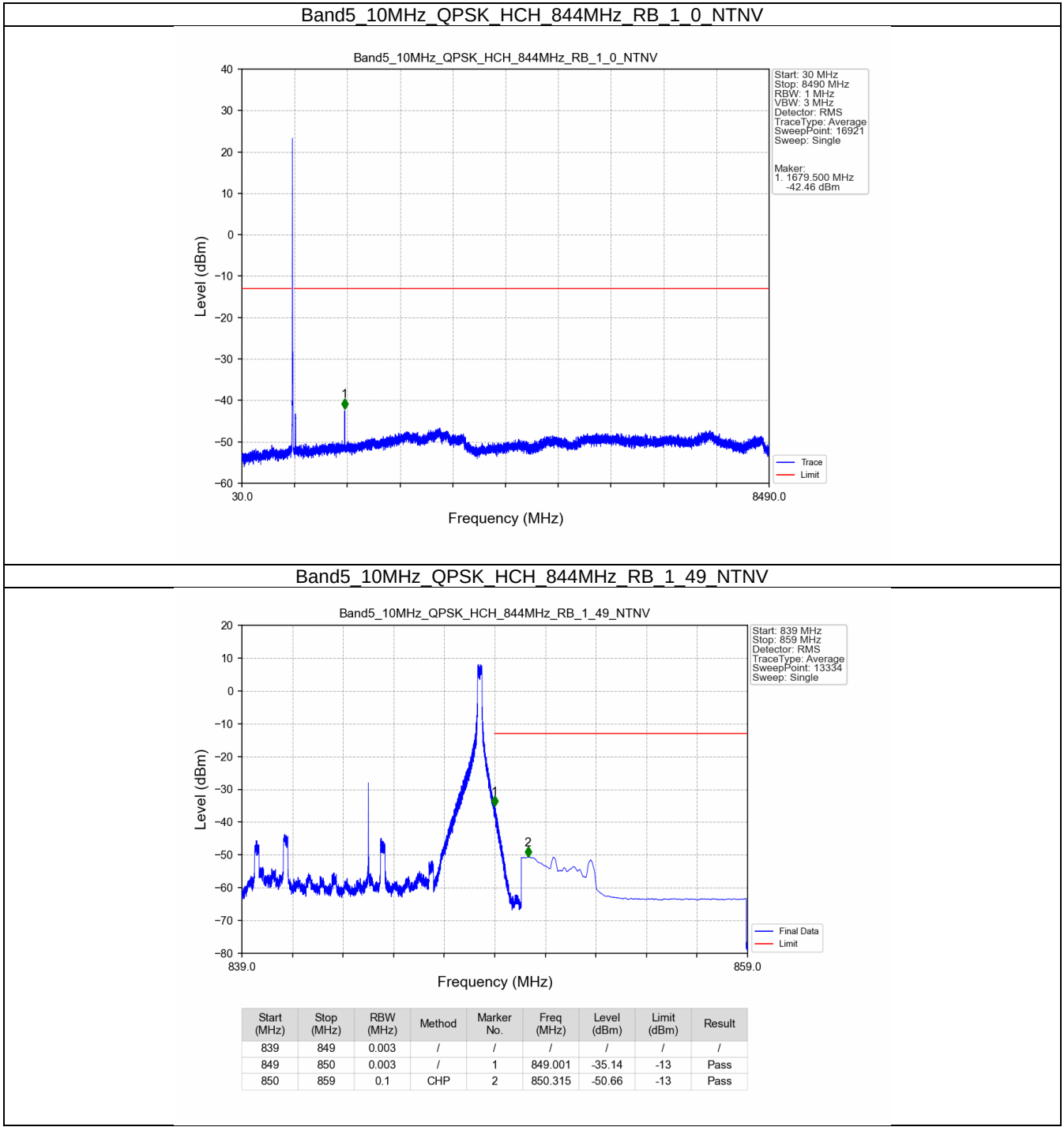
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



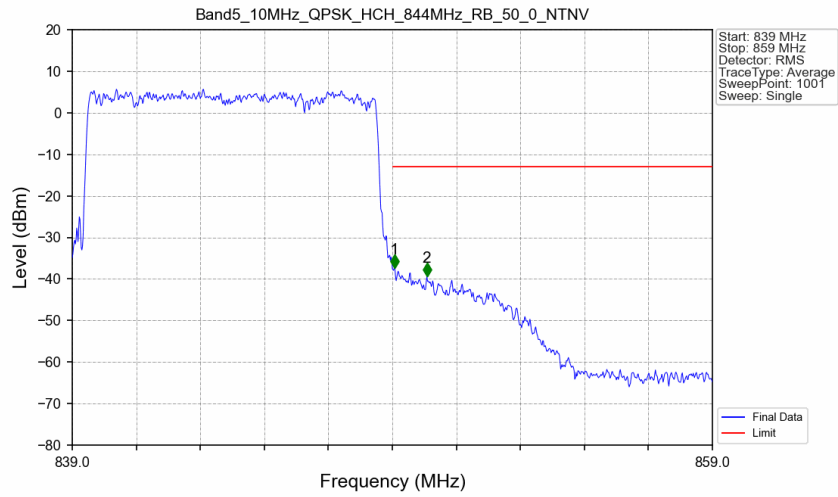
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.940	-37.10	-13	Pass
823	824	0.1	/	2	823.980	-33.64	-13	Pass
824	834	0.1	/	/	/	/	/	/

Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV





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	849.060	-37.37	-13	Pass
850	859	0.1	/	2	850.080	-39.41	-13	Pass