

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B8_1.4MHz_ERP

Band: 8 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	898.2	1	0	23.07	5.17	26.09	/	Pass
			2	22.99	5.17	26.01	/	Pass
			5	22.93	5.17	25.95	/	Pass
		3	0	22.97	5.17	25.99	/	Pass
			2	22.94	5.17	25.96	/	Pass
			3	22.95	5.17	25.97	/	Pass
		6	0	21.99	5.17	25.01	/	Pass
	899	1	0	23.04	5.17	26.06	/	Pass
			2	23.09	5.17	26.11	/	Pass
			5	22.99	5.17	26.01	/	Pass
		3	0	22.99	5.17	26.01	/	Pass
			2	23.00	5.17	26.02	/	Pass
			3	22.97	5.17	25.99	/	Pass
		6	0	22.11	5.17	25.13	/	Pass
	899.8	1	0	22.93	5.17	25.95	/	Pass
			2	22.94	5.17	25.96	/	Pass
			5	22.85	5.17	25.87	/	Pass
		3	0	22.88	5.17	25.90	/	Pass
			2	22.86	5.17	25.88	/	Pass
			3	22.85	5.17	25.87	/	Pass
		6	0	22.09	5.17	25.11	/	Pass
16QAM	898.2	1	0	22.22	5.17	25.24	/	Pass
			2	22.20	5.17	25.22	/	Pass
			5	22.14	5.17	25.16	/	Pass
		3	0	22.10	5.17	25.12	/	Pass
			2	22.06	5.17	25.08	/	Pass
			3	22.07	5.17	25.09	/	Pass
		6	0	21.04	5.17	24.06	/	Pass
	899	1	0	22.11	5.17	25.13	/	Pass
			2	22.17	5.17	25.19	/	Pass
			5	22.14	5.17	25.16	/	Pass
		3	0	22.24	5.17	25.26	/	Pass
			2	22.25	5.17	25.27	/	Pass
			3	22.23	5.17	25.25	/	Pass
		6	0	21.31	5.17	24.33	/	Pass
	899.8	1	0	21.95	5.17	24.97	/	Pass
			2	21.99	5.17	25.01	/	Pass
			5	21.96	5.17	24.98	/	Pass
		3	0	21.85	5.17	24.87	/	Pass
			2	21.86	5.17	24.88	/	Pass
			3	21.85	5.17	24.87	/	Pass
		6	0	21.06	5.17	24.08	/	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B8_3MHz_ERP

Band: 8 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	899	1	0	23.09	5.17	26.11	/	Pass
			7	23.20	5.17	26.22	/	Pass
			14	22.90	5.17	25.92	/	Pass
		8	0	22.21	5.17	25.23	/	Pass
			4	22.23	5.17	25.25	/	Pass
			7	22.16	5.17	25.18	/	Pass
		15	0	22.14	5.17	25.16	/	Pass
16QAM	899	1	0	22.27	5.17	25.29	/	Pass
			7	22.41	5.17	25.43	/	Pass
			14	22.16	5.17	25.18	/	Pass
		8	0	21.31	5.17	24.33	/	Pass
			4	21.22	5.17	24.24	/	Pass
			7	21.18	5.17	24.20	/	Pass
		15	0	21.20	5.17	24.22	/	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B8_3MHz

Band: 8 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	899	15	0	20	LV	-1.330	-0.0015	-2.5 to 2.5	Pass
					NV	-0.629	-0.0007	-2.5 to 2.5	Pass
					HV	-0.458	-0.0005	-2.5 to 2.5	Pass
				-30	NV	0.243	0.0003	-2.5 to 2.5	Pass
				-20	NV	0.100	0.0001	-2.5 to 2.5	Pass
				-10	NV	-0.486	-0.0005	-2.5 to 2.5	Pass
				0	NV	-0.615	-0.0007	-2.5 to 2.5	Pass
				10	NV	-0.186	-0.0002	-2.5 to 2.5	Pass
				30	NV	0.029	0.0000	-2.5 to 2.5	Pass
				40	NV	0.100	0.0001	-2.5 to 2.5	Pass
				50	NV	-0.544	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band8_OBW

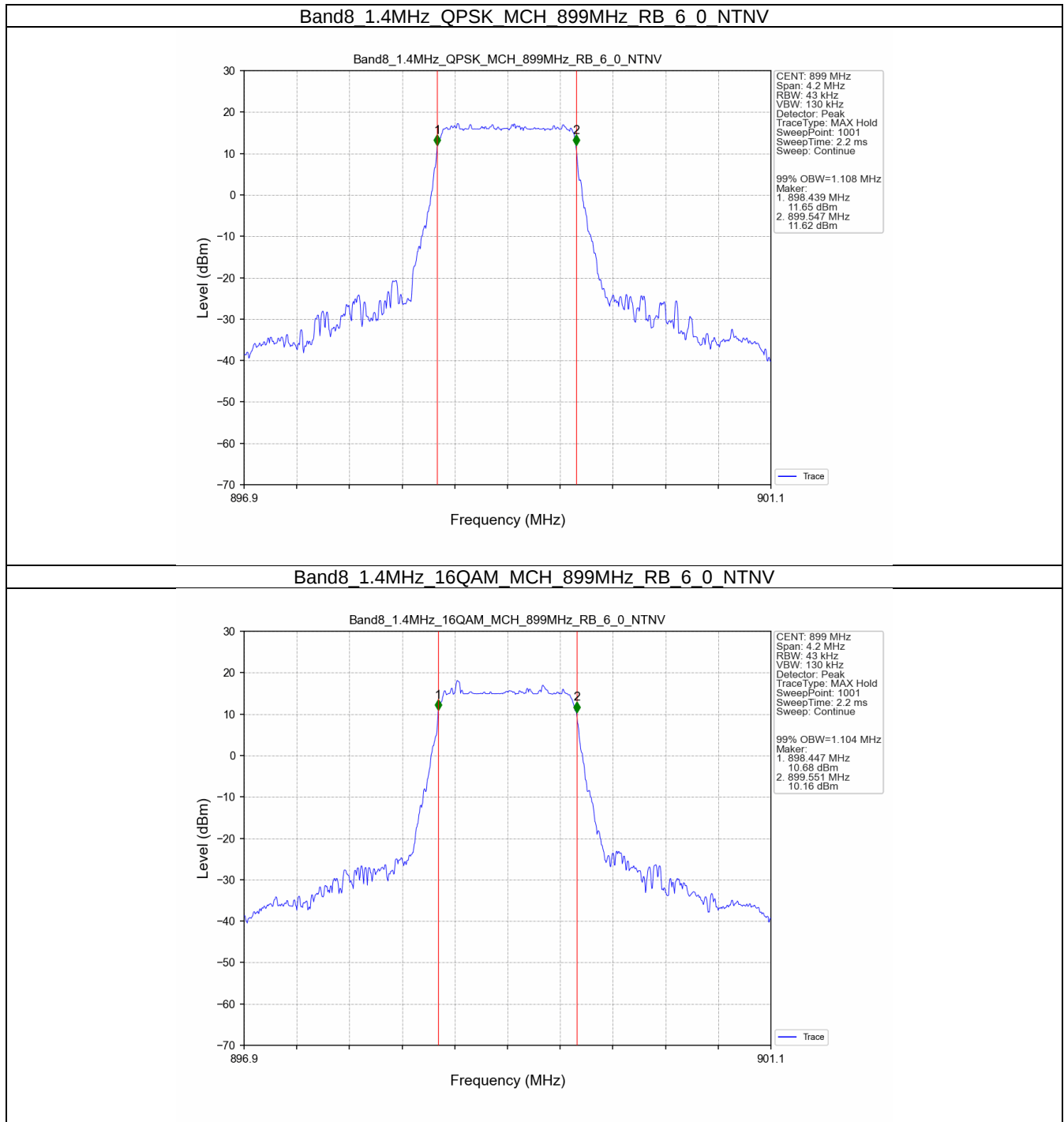
Band: 8 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	899	6	0	1.108	/	Pass
	16QAM	899	6	0	1.104	/	Pass
3	QPSK	899	15	0	2.749	/	Pass
	16QAM	899	15	0	2.723	/	Pass

3.1.2 Band8_XDB

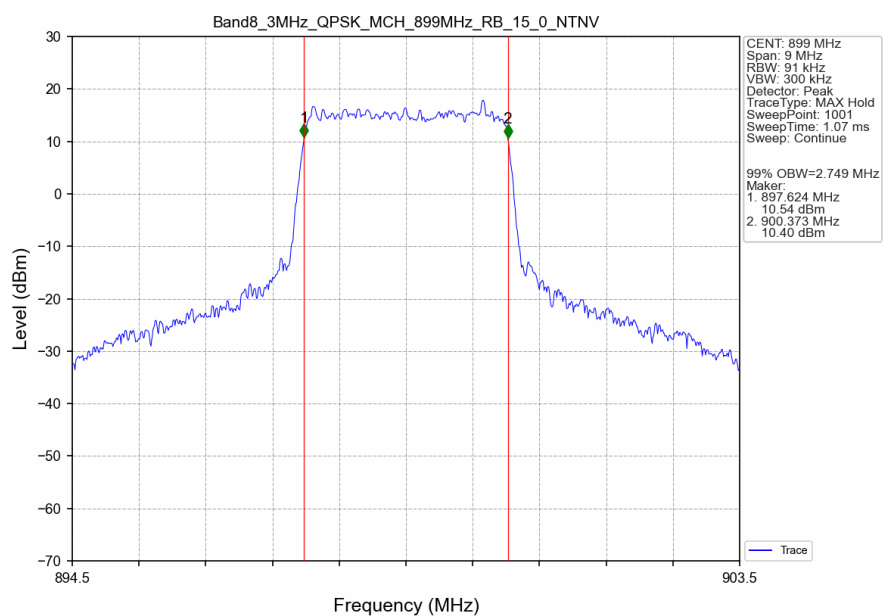
Band: 8 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	899	6	0	1.315	/	Pass
	16QAM	899	6	0	1.279	/	Pass
3	QPSK	899	15	0	3.031	/	Pass
	16QAM	899	15	0	3.017	/	Pass

3.2 Test Graph

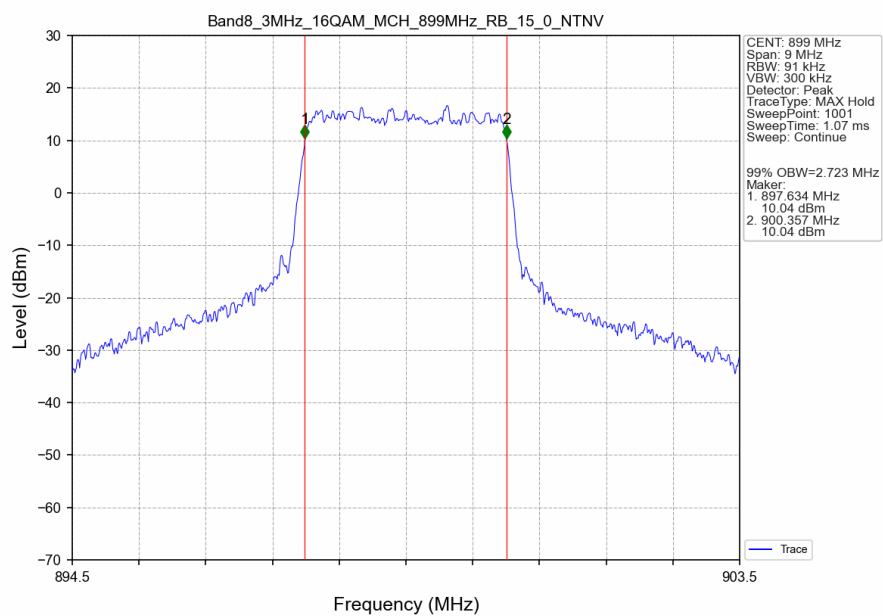
3.2.1 Band8_OBW



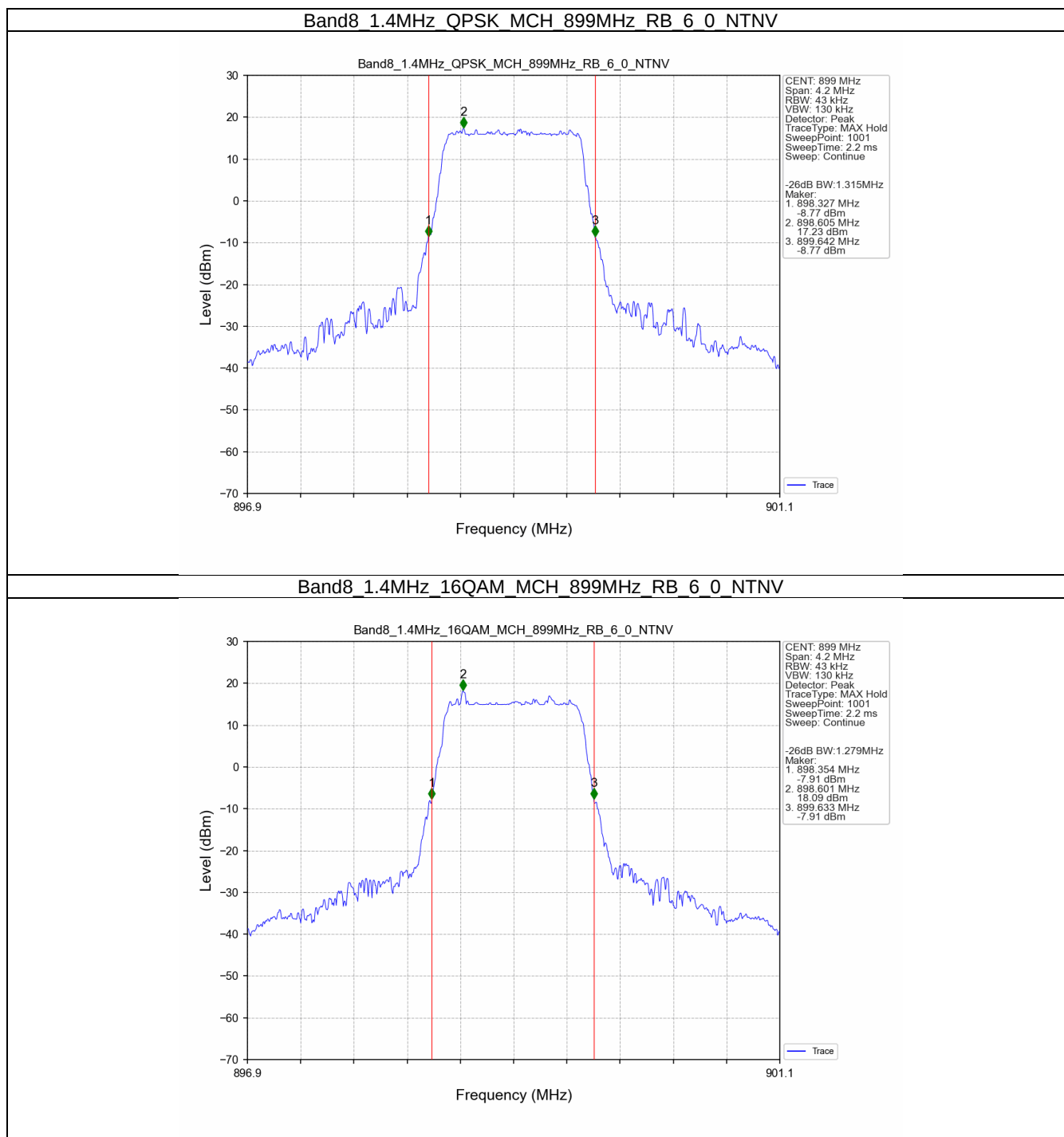
Band8_3MHz_QPSK_MCH_899MHz_RB_15_0_NTNV



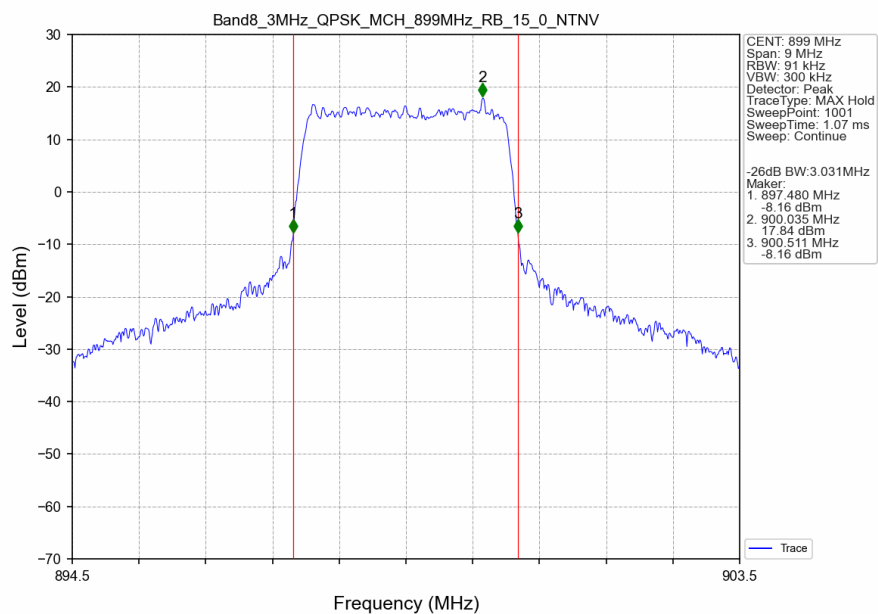
Band8_3MHz_16QAM_MCH_899MHz_RB_15_0_NTNV



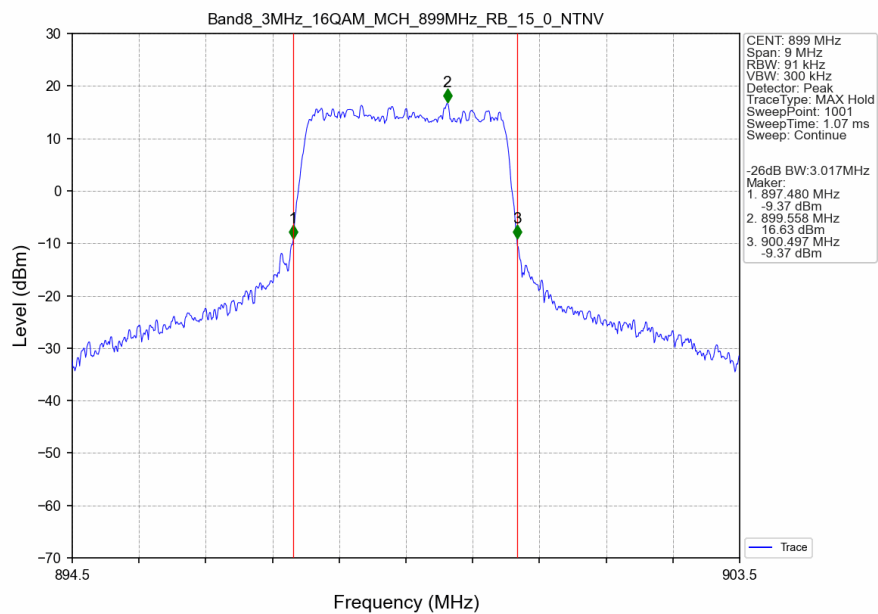
3.2.2 Band8_XDB



Band8_3MHz_QPSK_MCH_899MHz_RB_15_0_NTNV



Band8_3MHz_16QAM_MCH_899MHz_RB_15_0_NTNV





4. Peak-Average Ratio

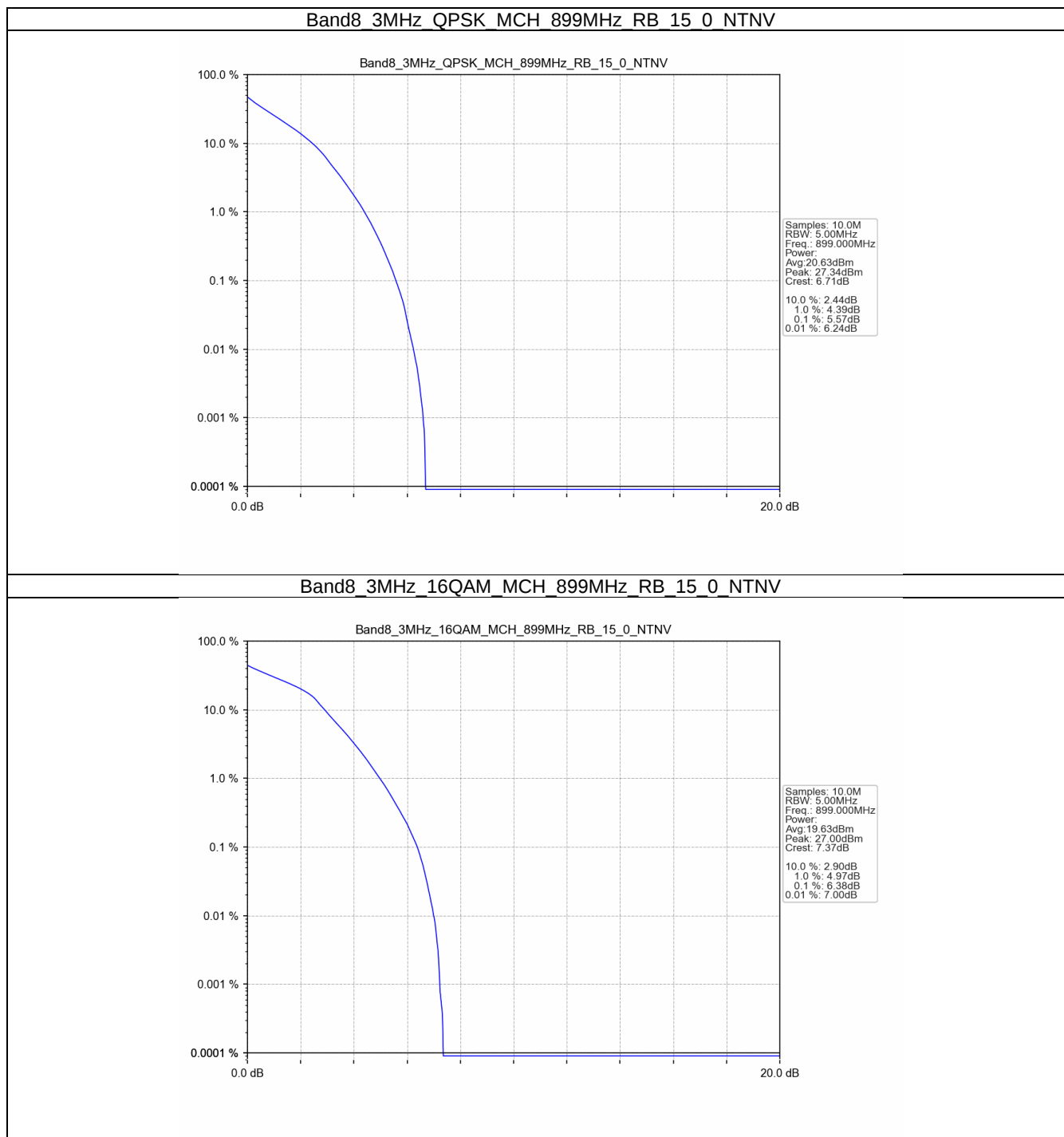
4.1 Test Result

4.1.1 B8_3MHz

Band: 8 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	899	15	0	5.57	<=13	Pass
16QAM	899	15	0	6.38	<=13	Pass

4.2 Test Graph

4.2.1 B8_3MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B8_1.4MHz

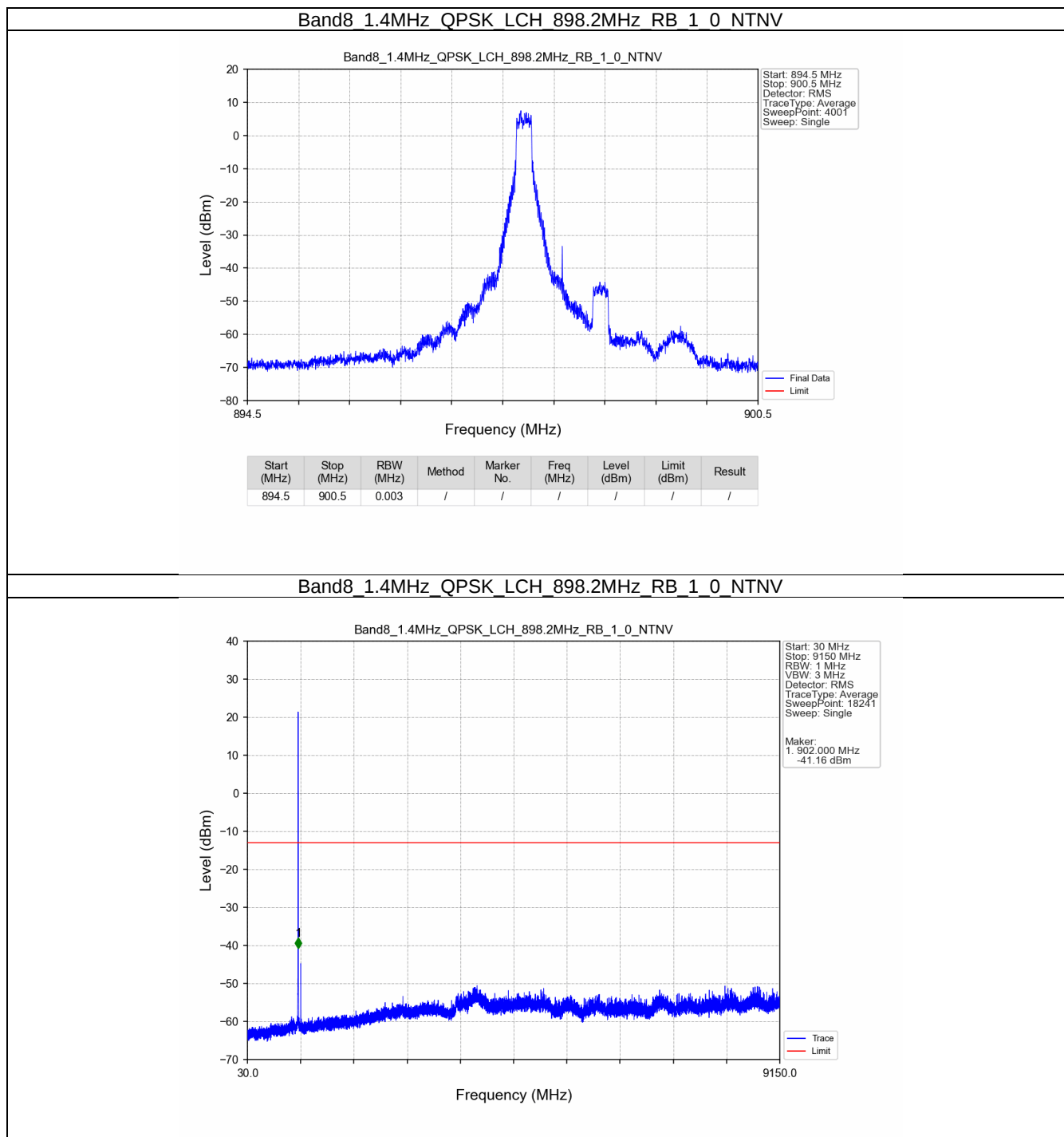
Band: 8 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	898.2	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	899	1	0	Refer To Test Graph		Pass
	899.8	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B8_3MHz

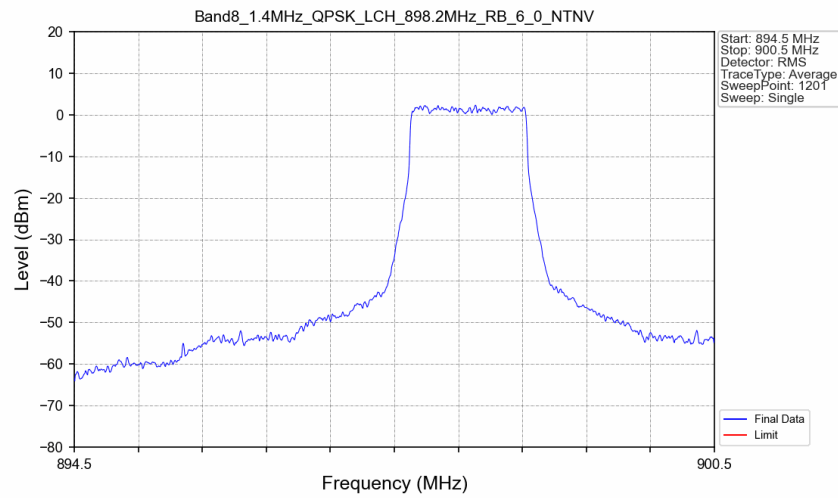
Band: 8 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	899	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	899	1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.2 Test Graph

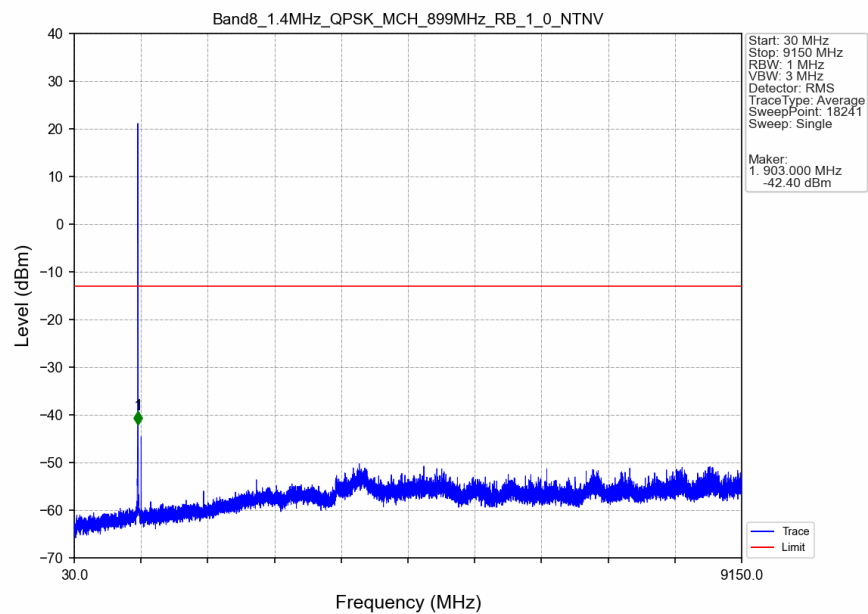
5.2.1 B8_1.4MHz



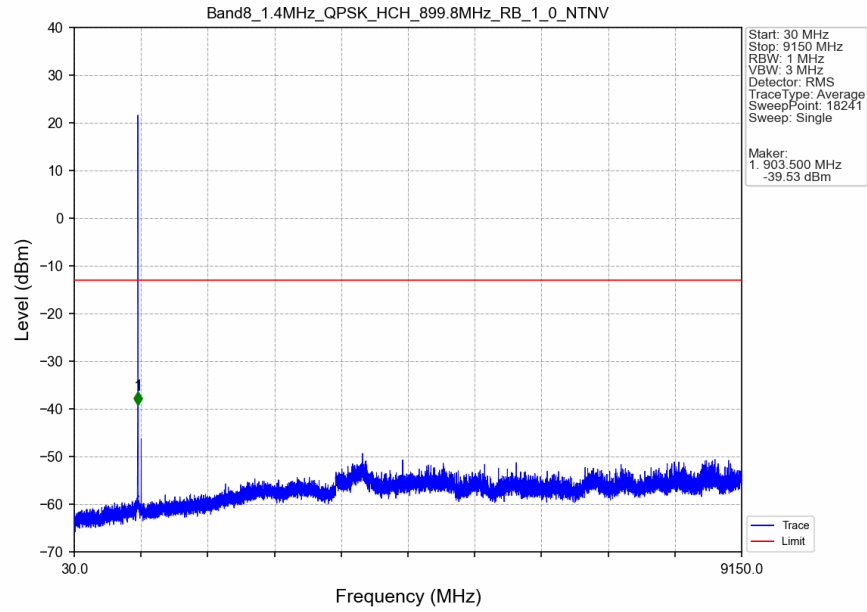
Band8_1.4MHz_QPSK_LCH_898.2MHz_RB_6_0_NTNV



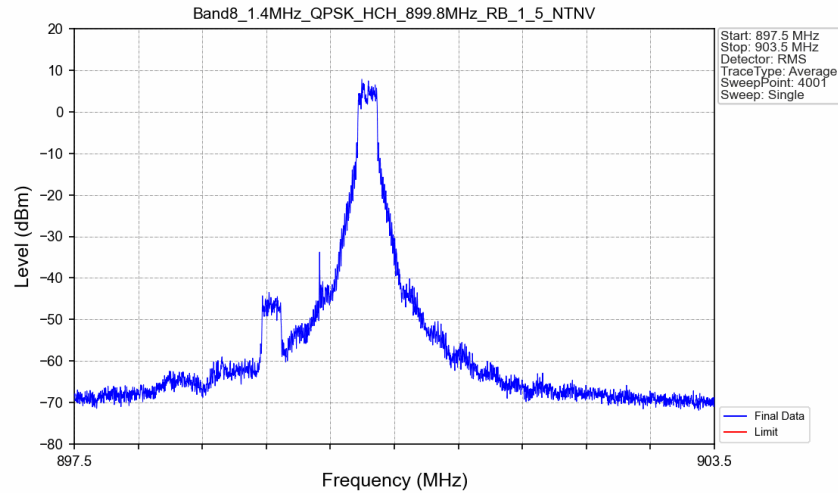
Band8_1.4MHz_QPSK_MCH_899MHz_RB_1_0_NTNV



Band8_1.4MHz_QPSK_HCH_899.8MHz_RB_1_0_NTNV

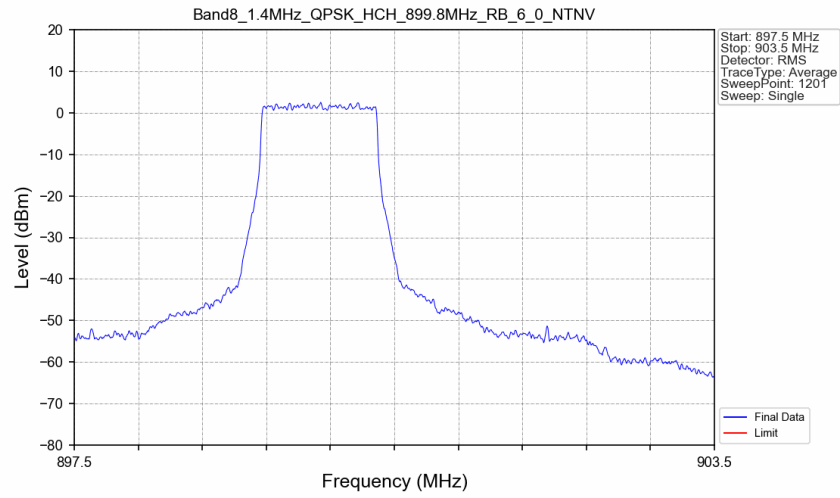


Band8_1.4MHz_QPSK_HCH_899.8MHz_RB_1_5_NTNV



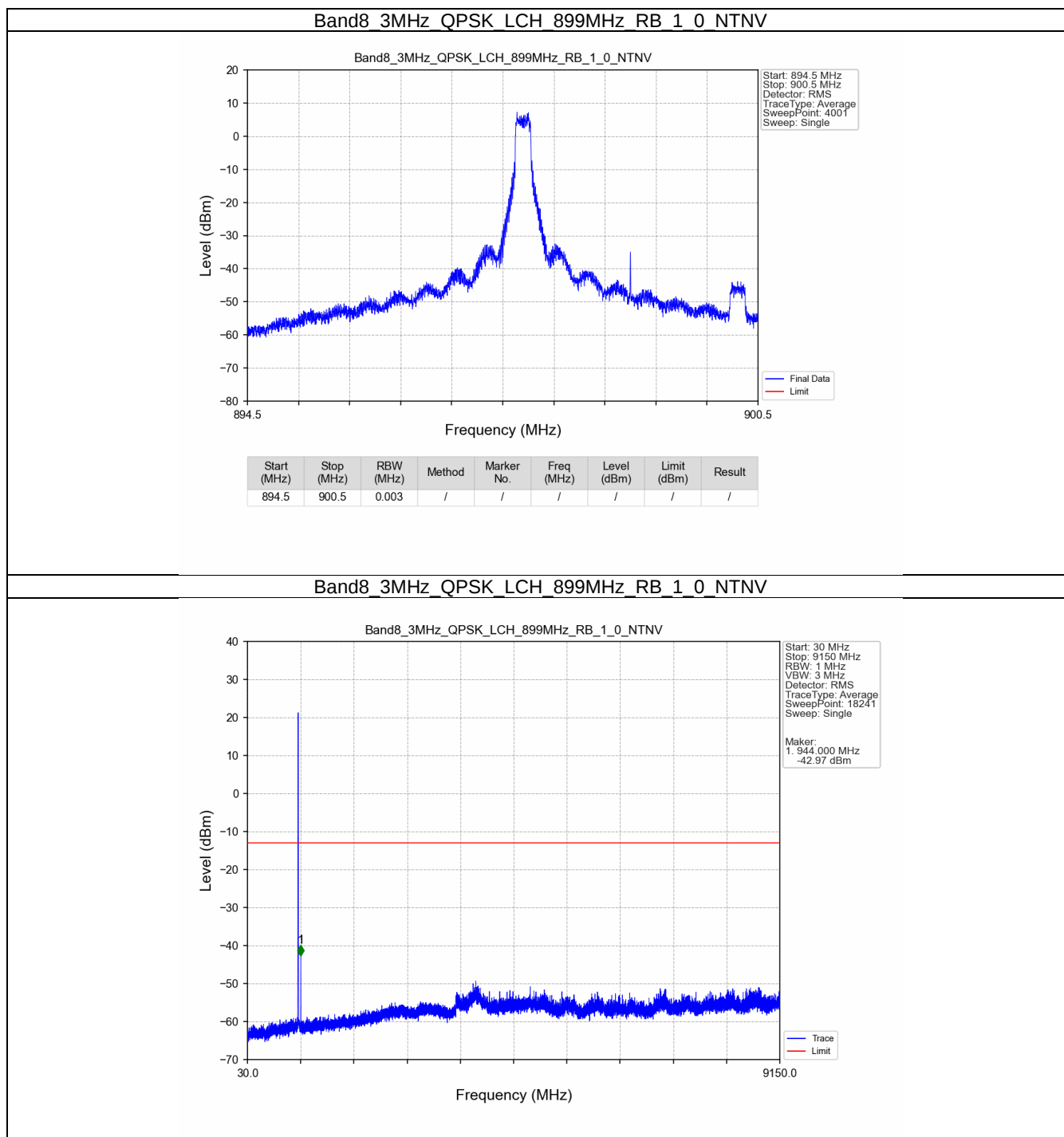
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
897.5	903.5	0.003	/	/	/	/	/	/

Band8_1.4MHz_QPSK_HCH_899.8MHz_RB_6_0_NTNV

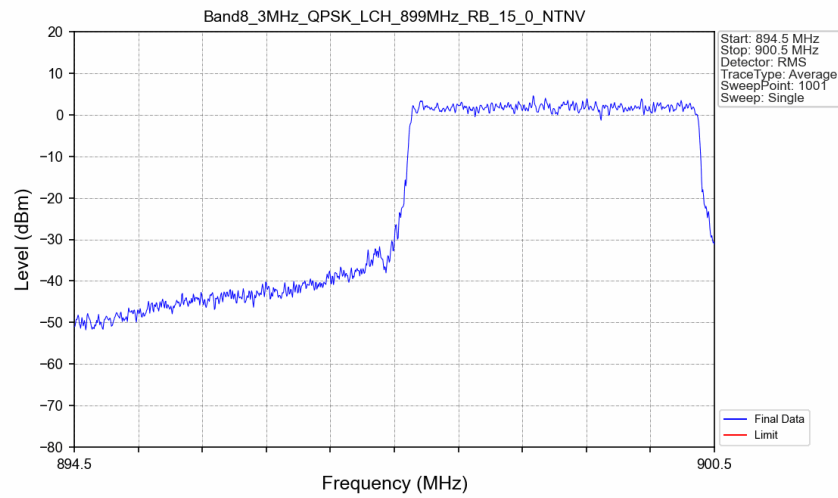


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
897.5	903.5	0.013	CHP	/	/	/	/	/

5.2.2 B8_3MHz

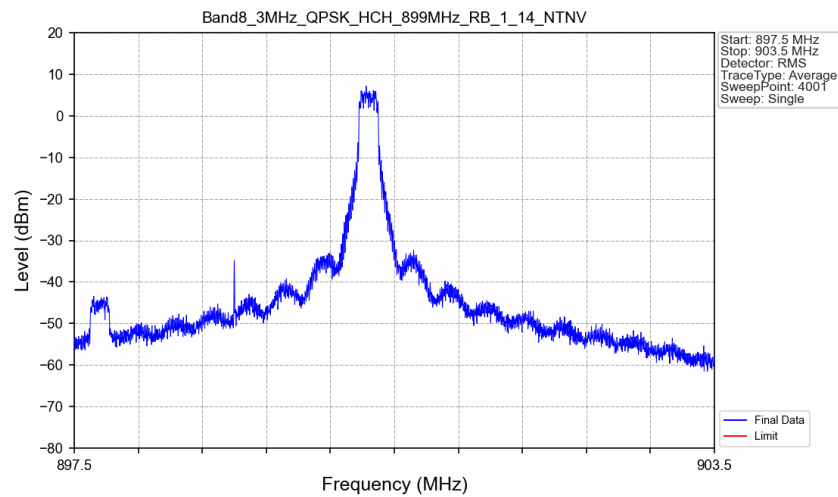


Band8_3MHz_QPSK_LCH_899MHz_RB_15_0_NTNV



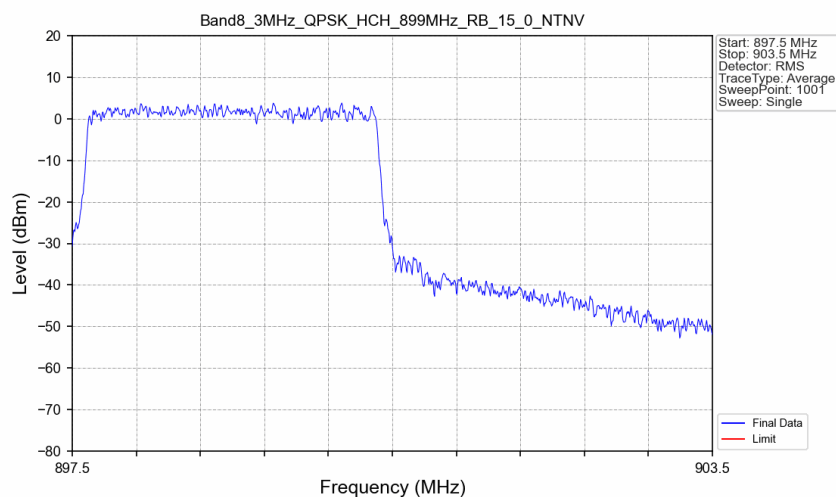
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
894.5	900.5	0.03	/	/	/	/	/	/

Band8_3MHz_QPSK_HCH_899MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
897.5	903.5	0.003	/	/	/	/	/	/

Band8_3MHz_QPSK_HCH_899MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
897.5	903.5	0.03	/	/	/	/	/	/

- End of the Appendix -