

Appendix RF test data for BLE

1. Duty Cycle

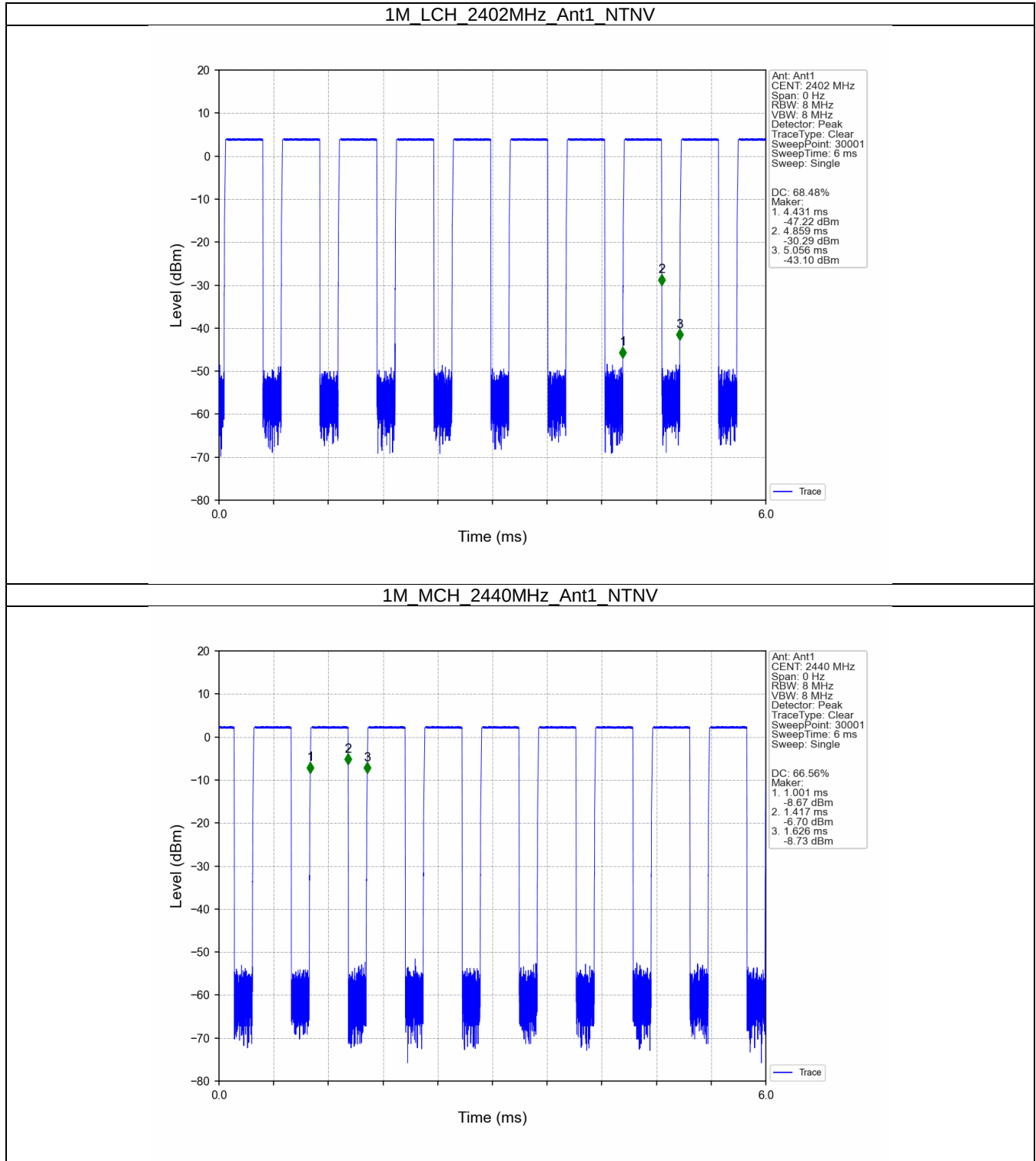
1.1 Test Result

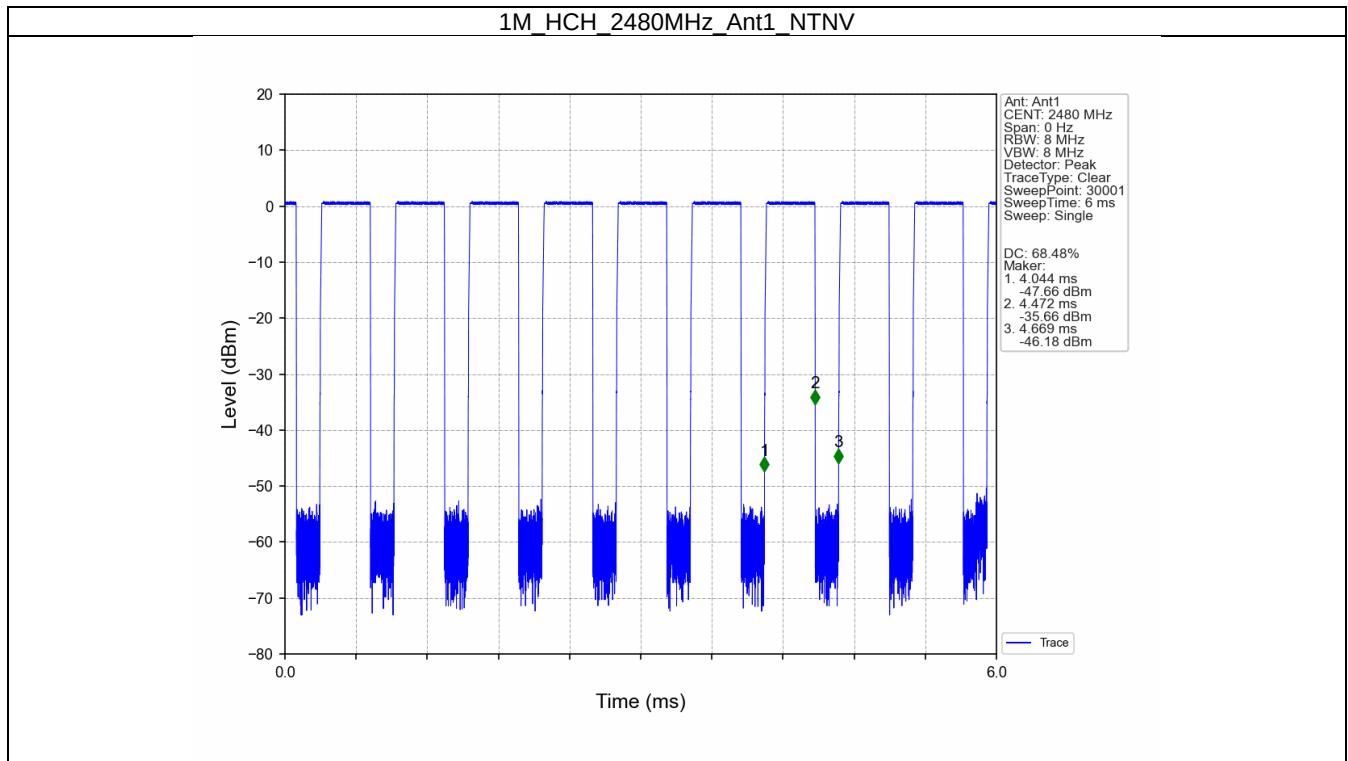
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.428	0.625	68.48	1.64	0.02
		2440	0.416	0.625	66.56	1.77	0.03
		2480	0.428	0.625	68.48	1.64	0.05

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

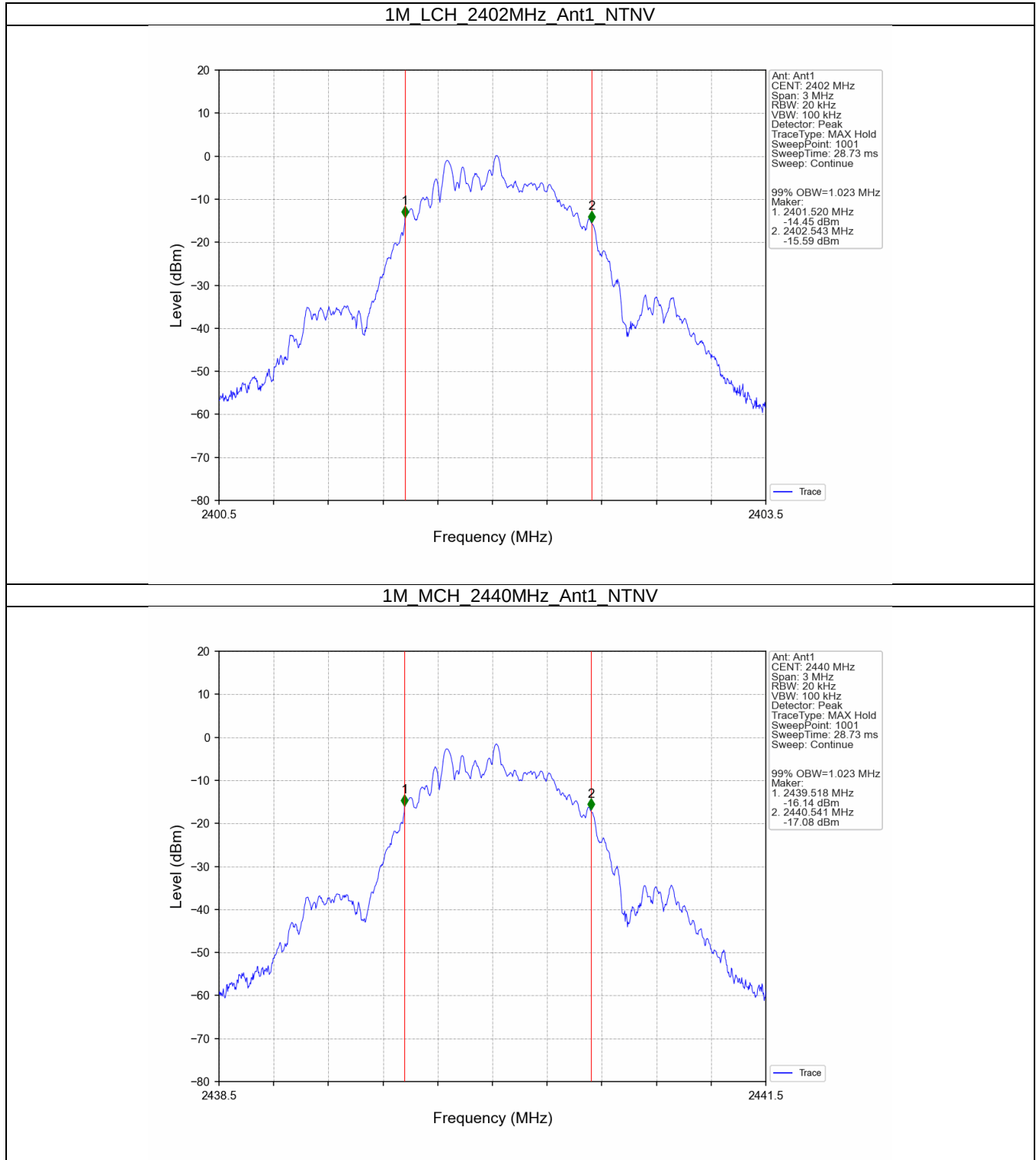
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.023	/	Pass
		2440	1	1.023	/	Pass
		2480	1	1.024	/	Pass

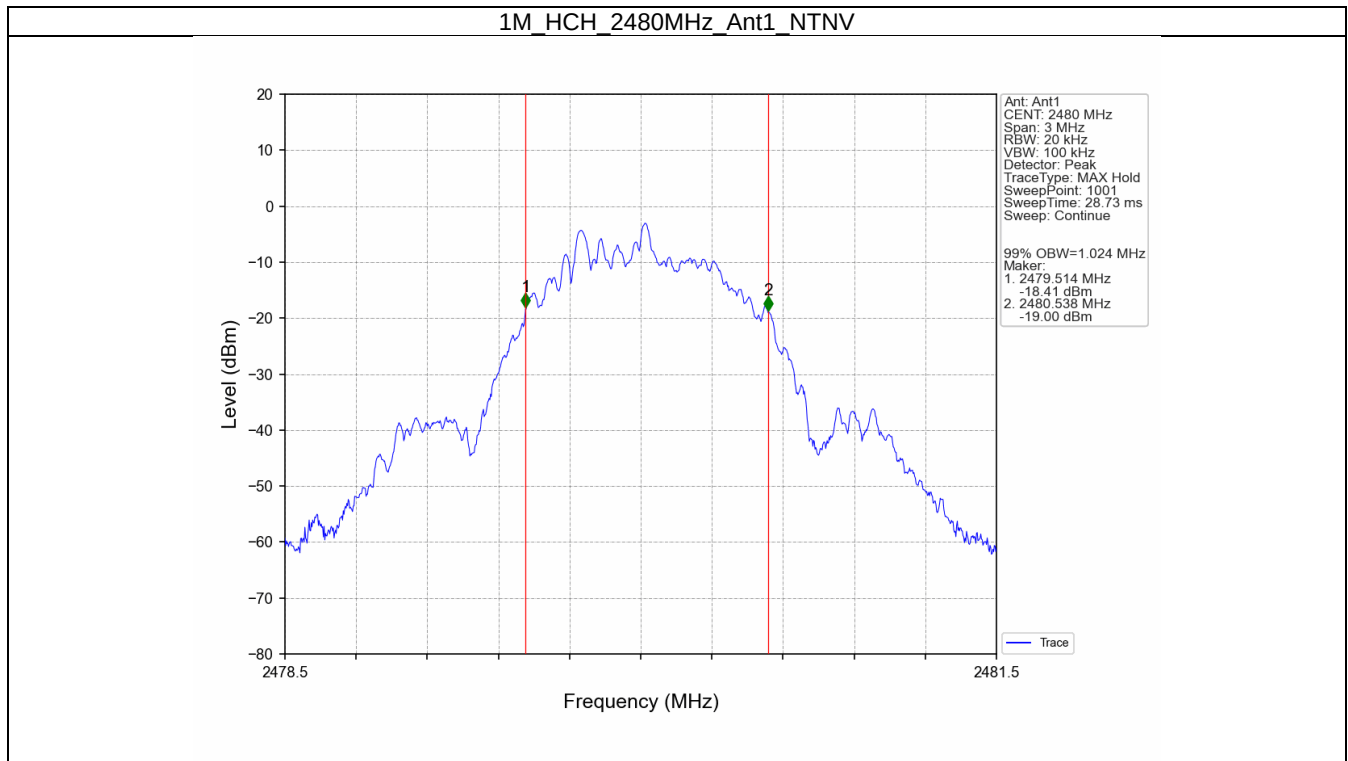
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.725	≥ 0.5	Pass
		2440	1	0.720	≥ 0.5	Pass
		2480	1	0.719	≥ 0.5	Pass

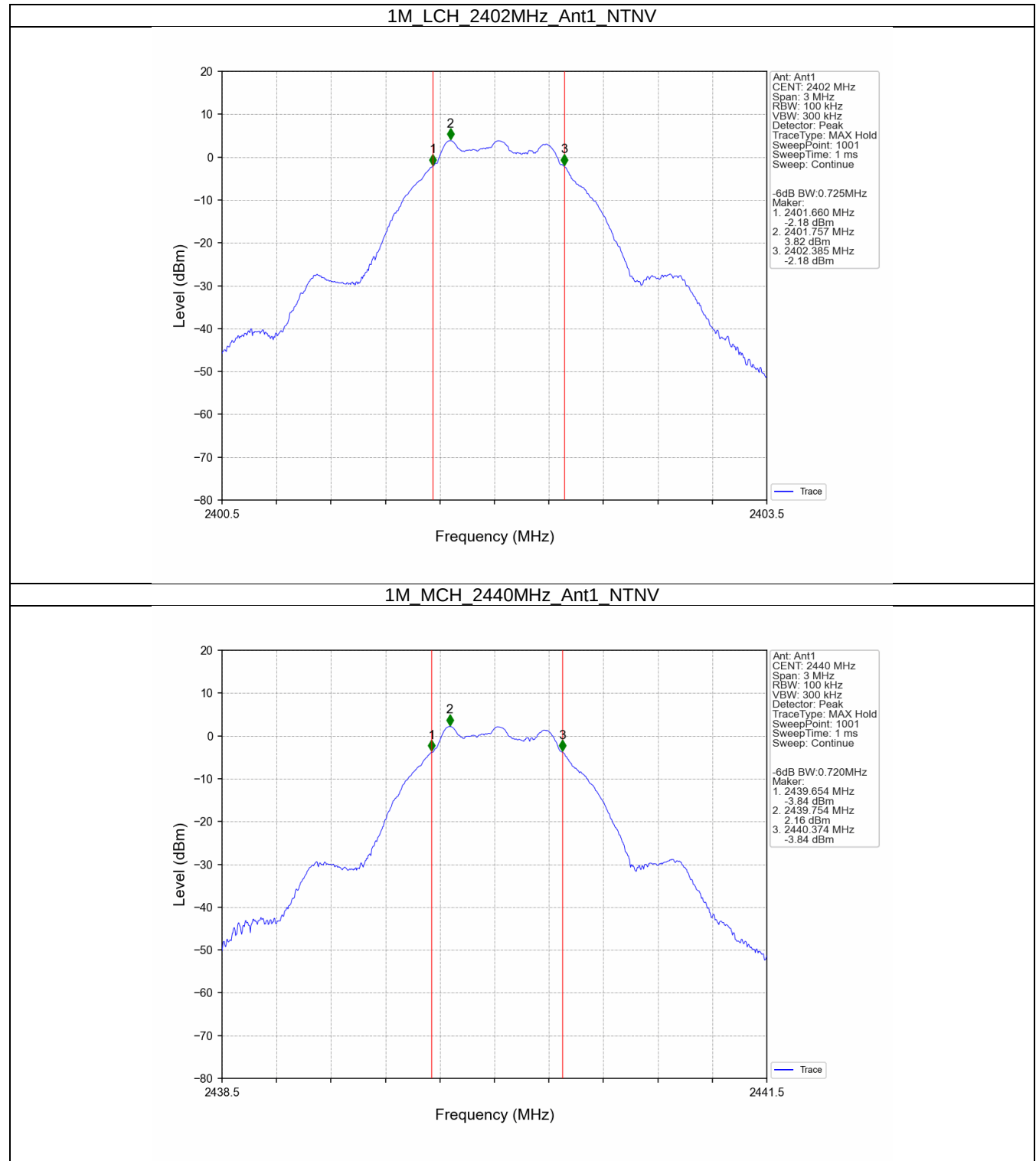
2.2 Test Graph

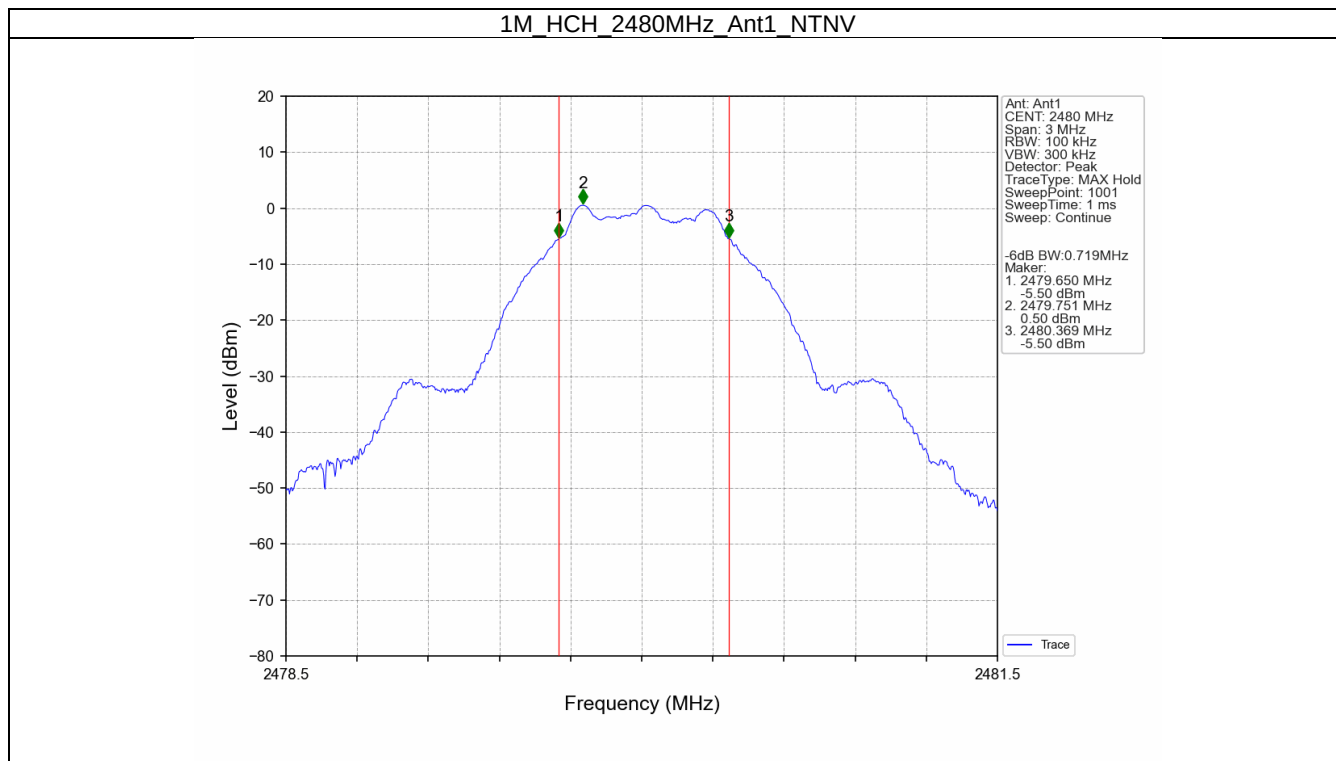
2.2.1 OBW





2.2.2 6dB BW





3. Maximum Conducted Output Power

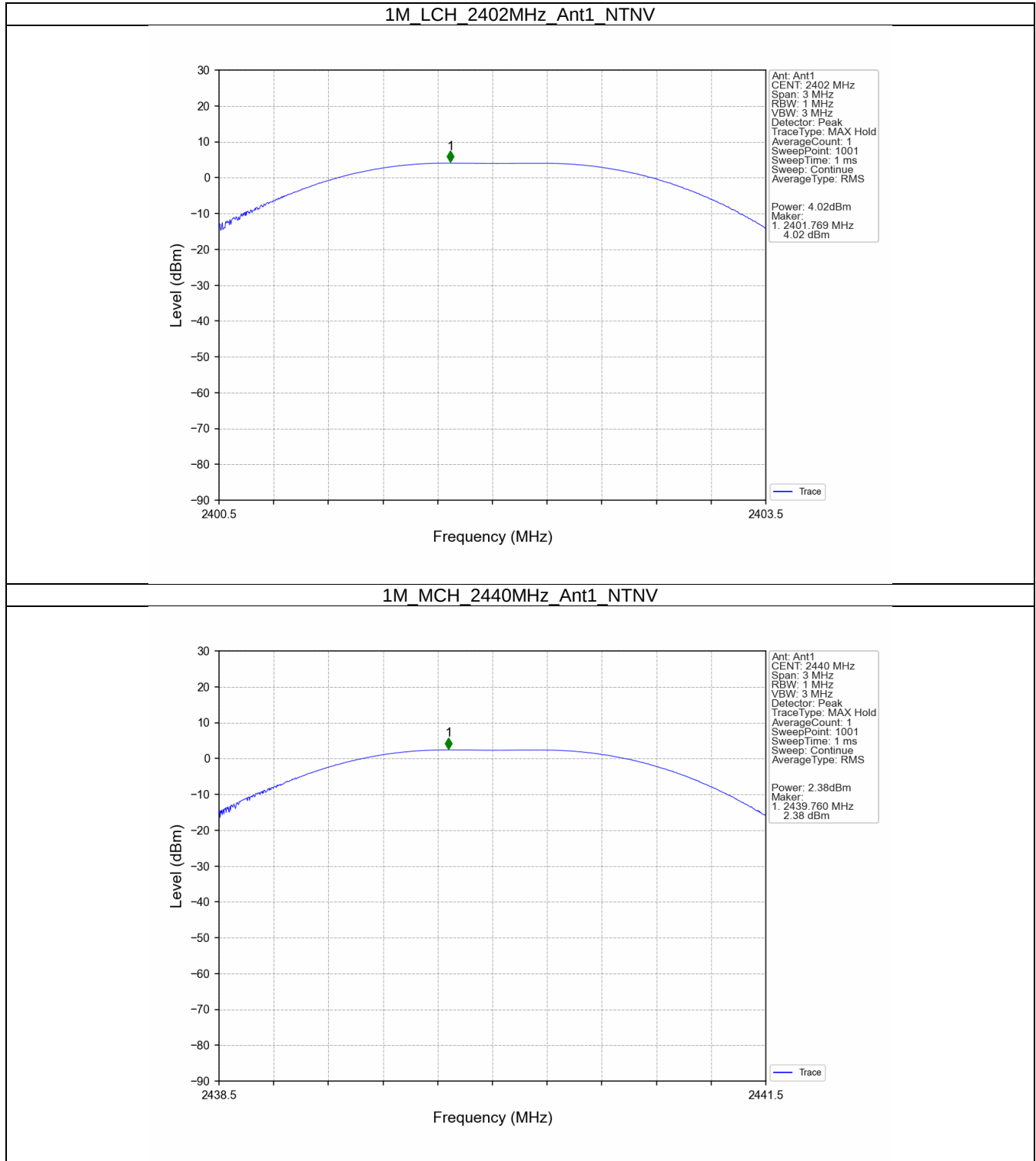
3.1 Test Result

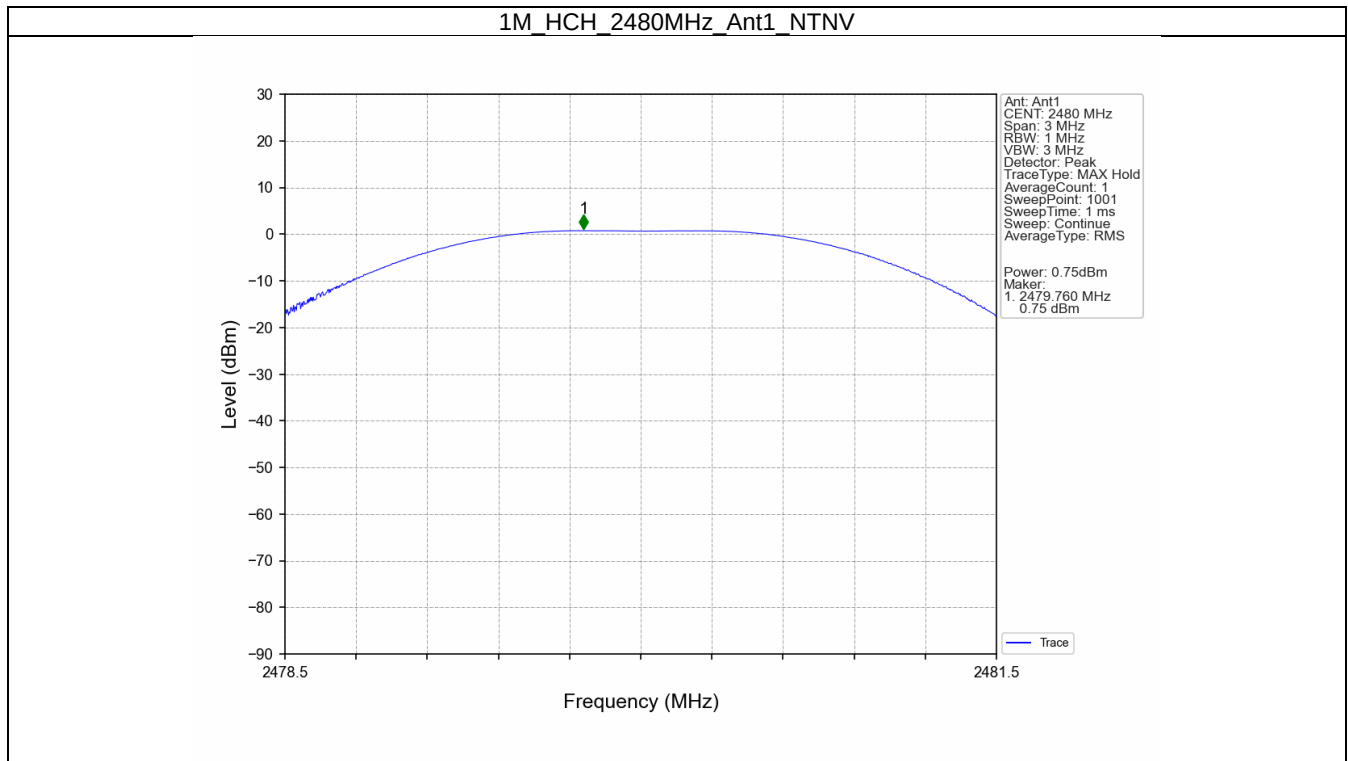
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	4.02	<=30	Pass
		2440	2.38	<=30	Pass
		2480	0.75	<=30	Pass
Note1: Antenna Gain: Ant1: -0.68dBi;					

3.2 Test Graph

3.2.1 Power





4. Maximum Power Spectral Density

4.1 Test Result

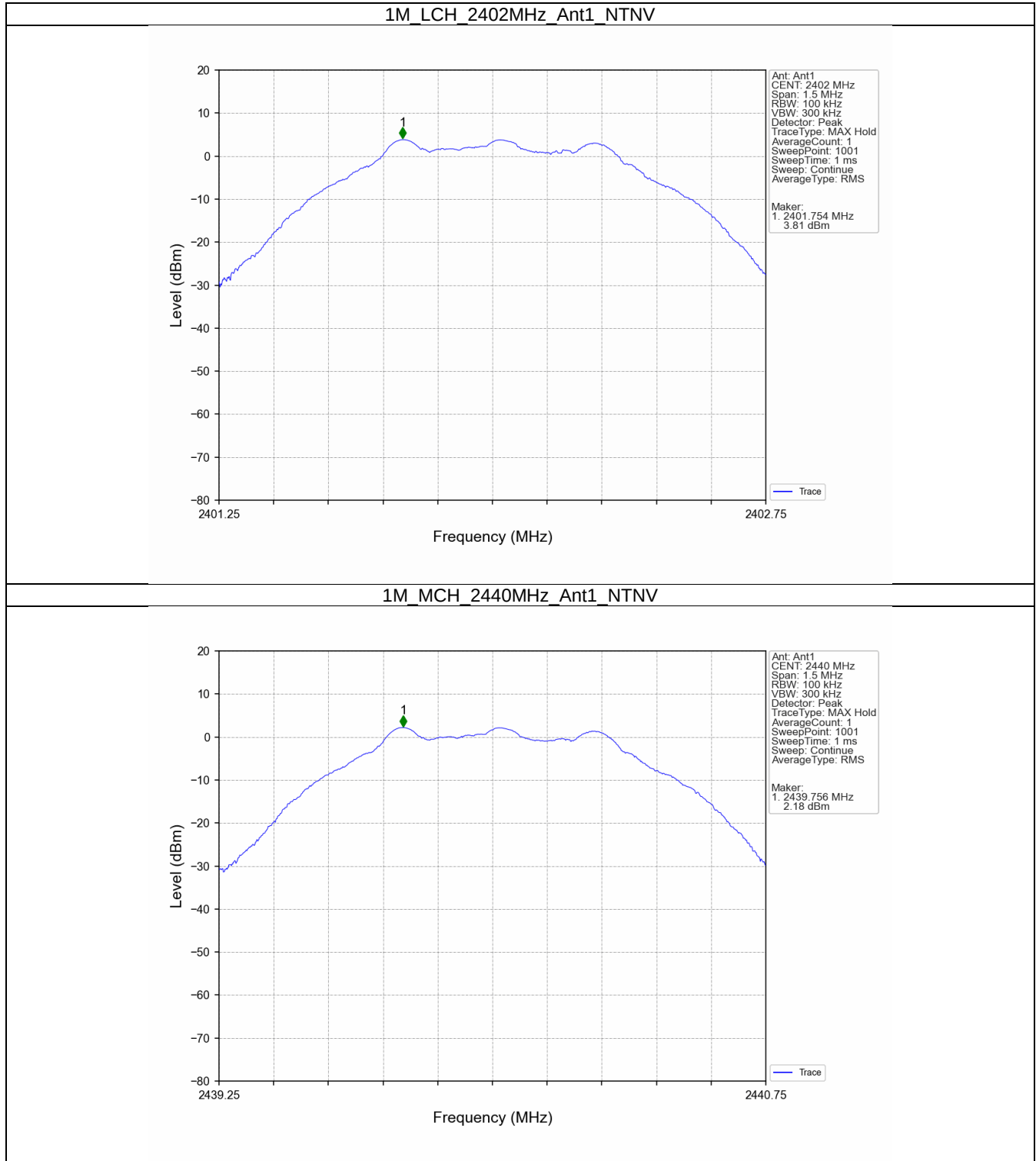
4.1.1 PSD

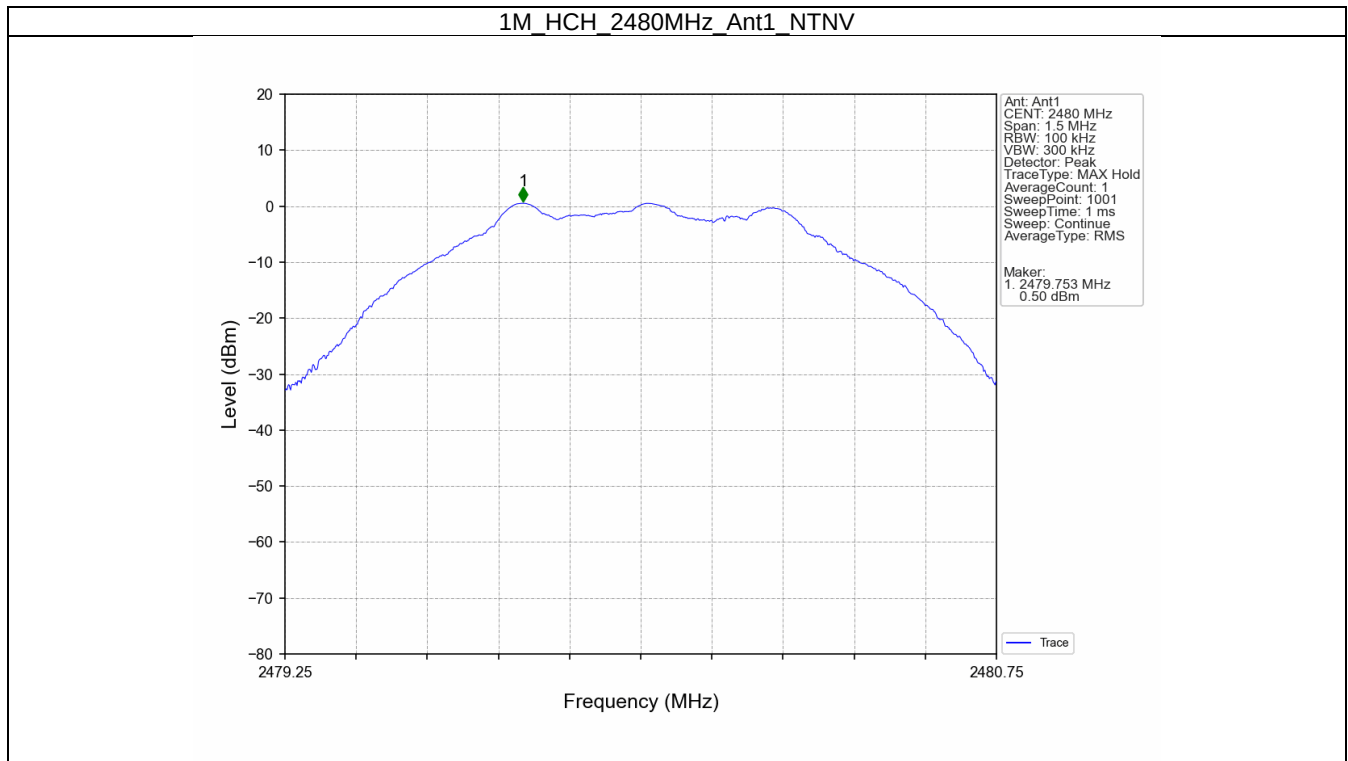
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.81	<=8	Pass
		2440	2.18	<=8	Pass
		2480	0.50	<=8	Pass

Note1: Antenna Gain: Ant1: -0.68dBi;

4.2 Test Graph

4.2.1 PSD





5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

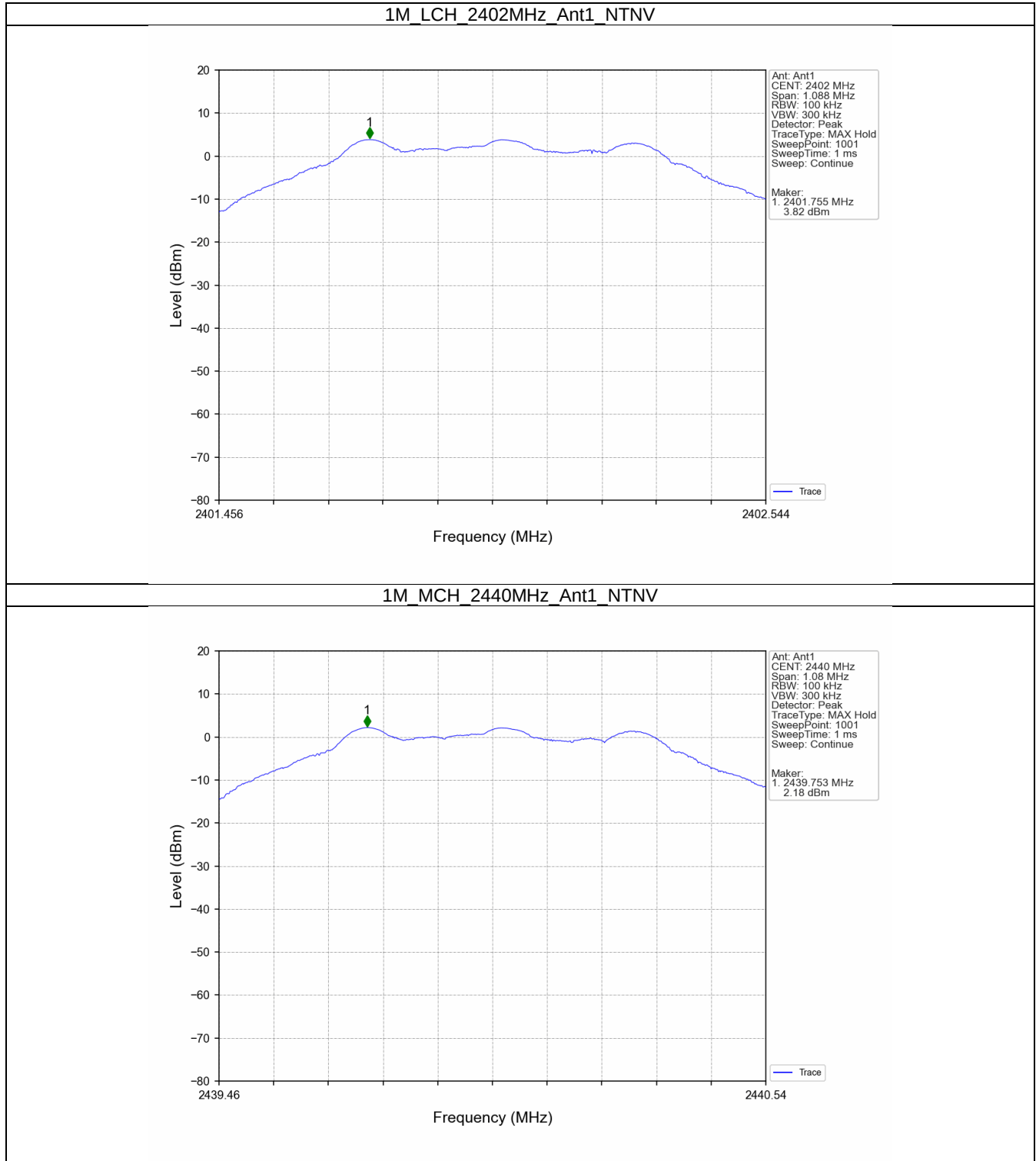
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	3.82
		2440	1	2.18
		2480	1	0.48

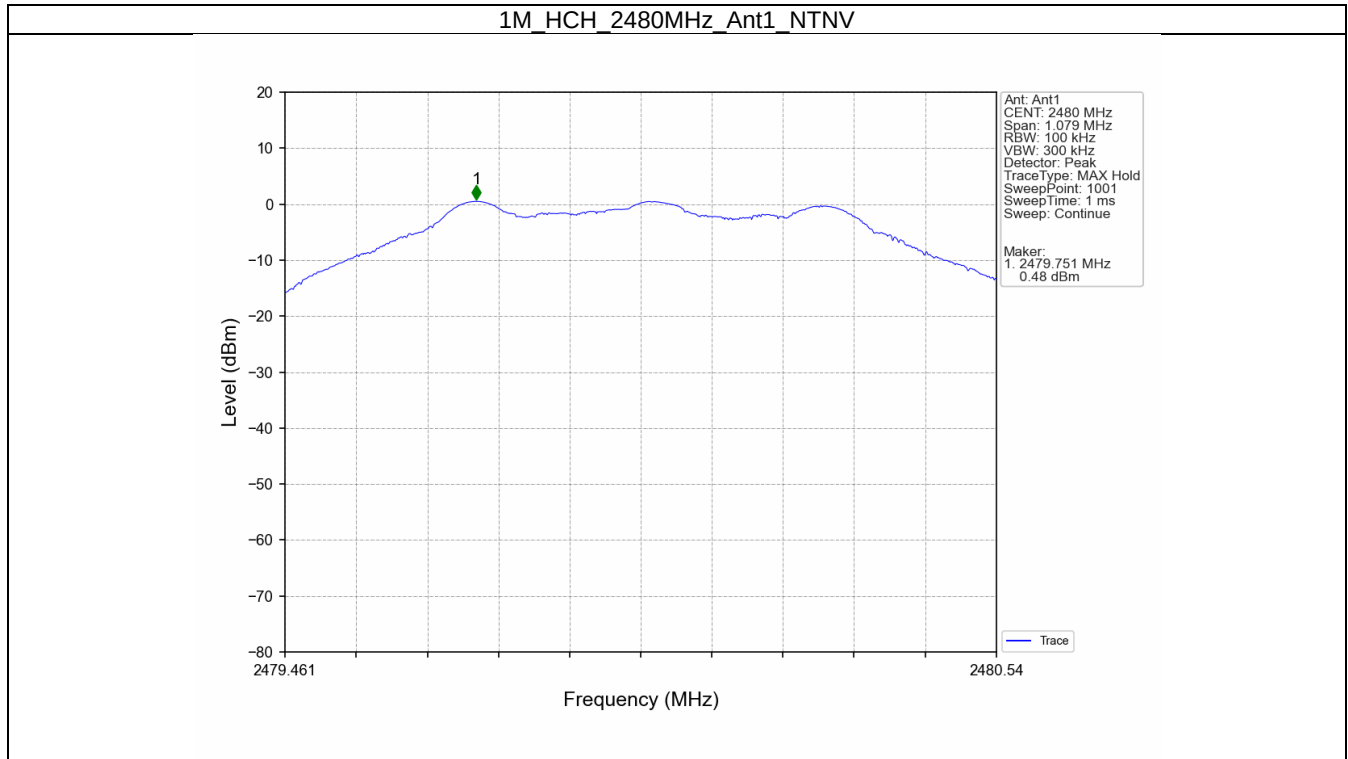
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.82	-16.18	Pass
		2440	1	3.82	-16.18	Pass
		2480	1	3.82	-16.18	Pass

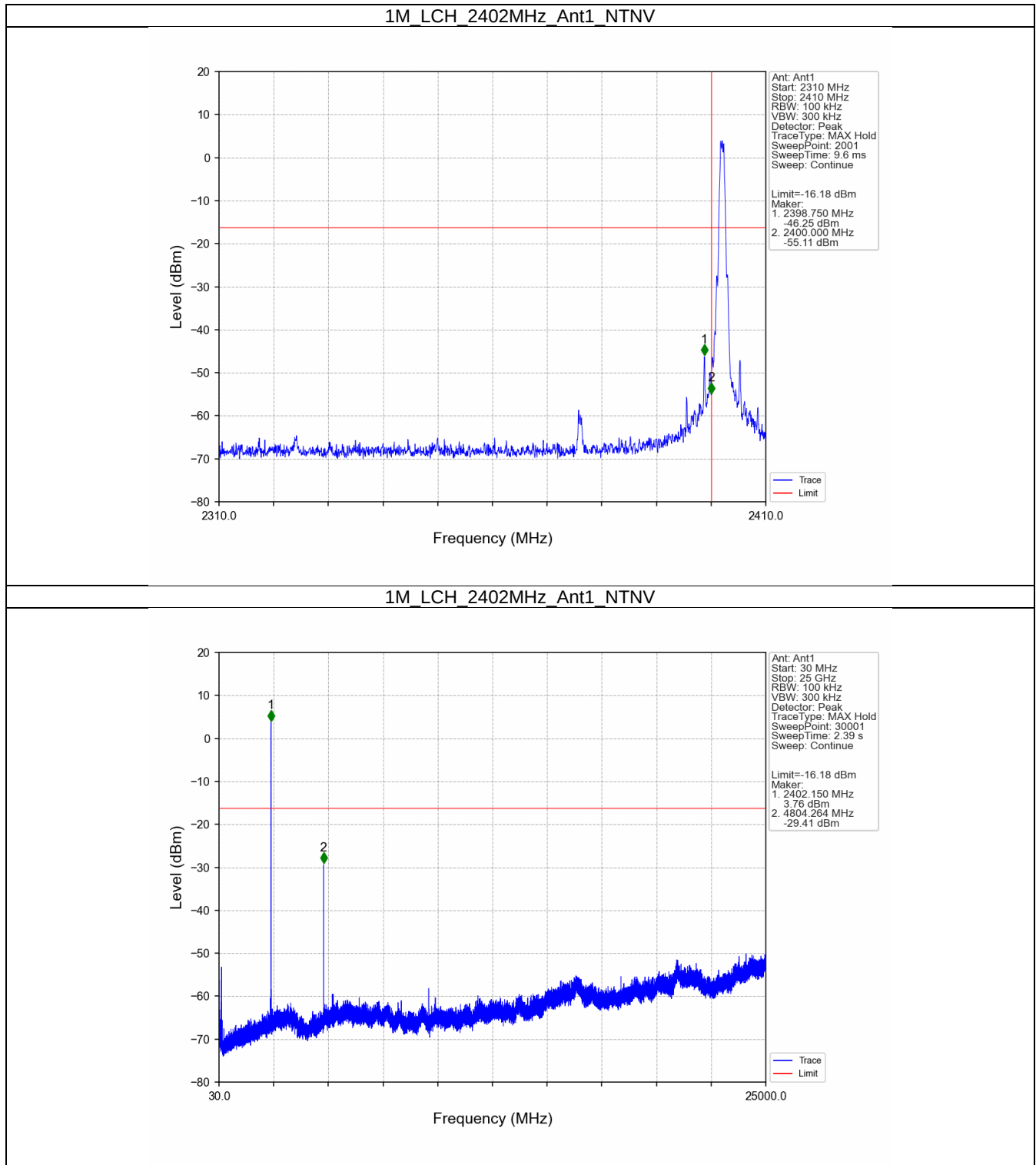
5.2 Test Graph

5.2.1 Ref

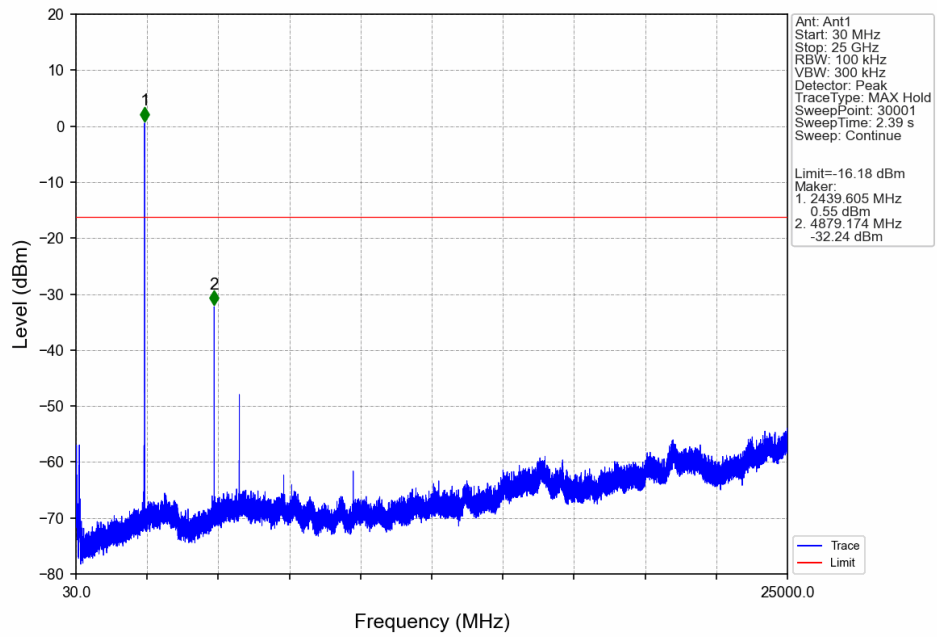




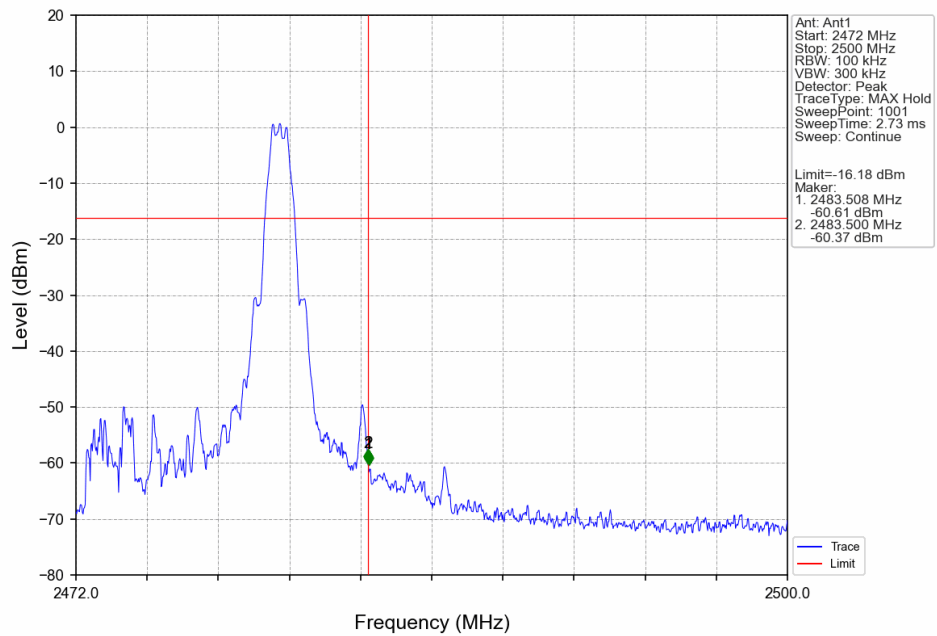
5.2.2 CSE

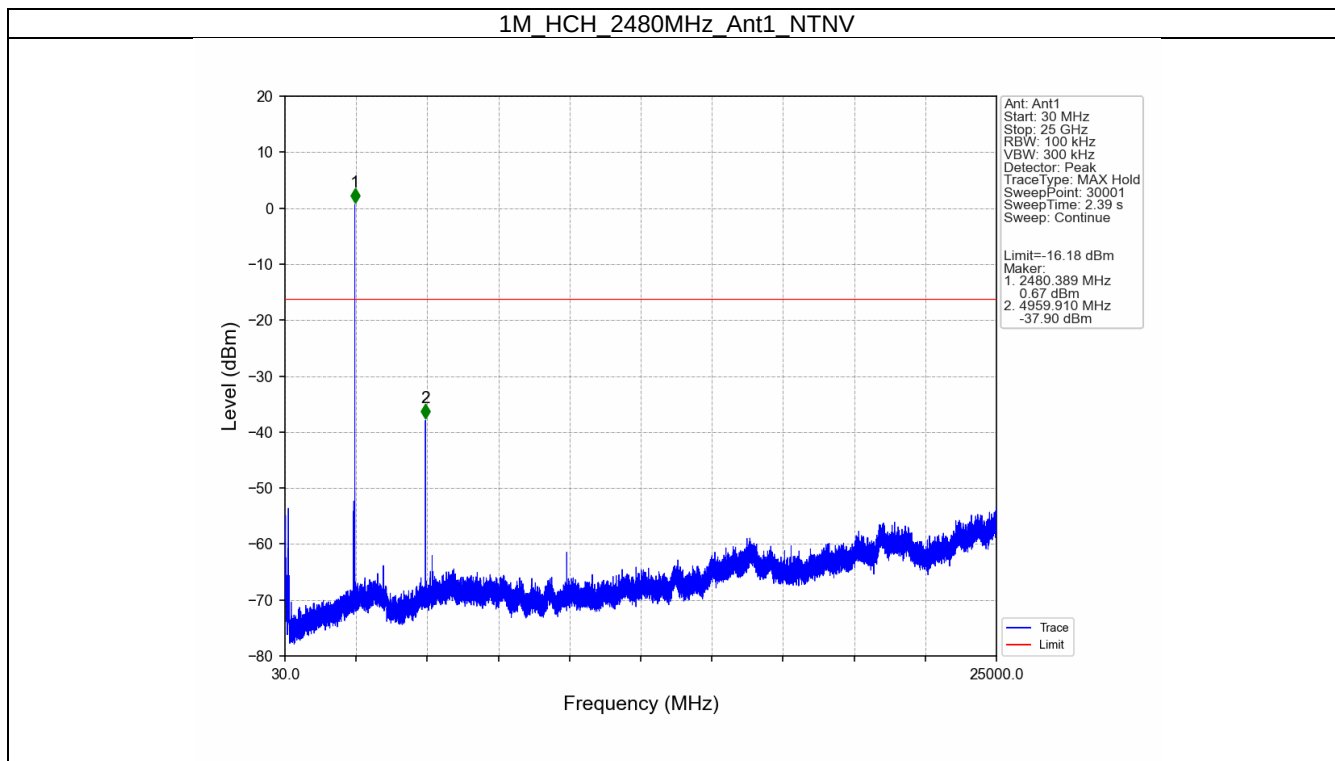


1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV





***** End of Report *****