

Appendix RF test data for BLE

1. Duty Cycle

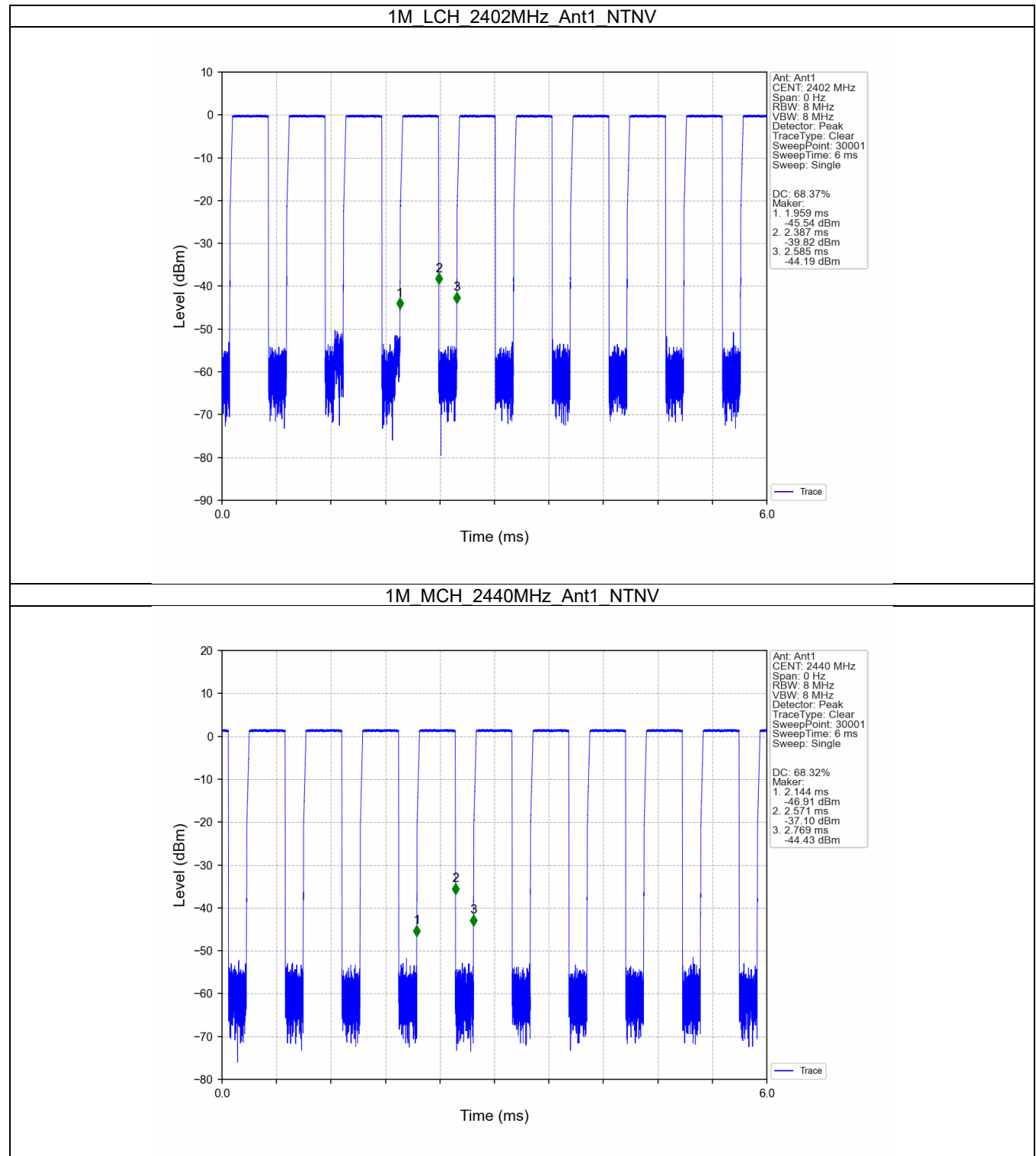
1.1 Test Result

1.1.1 Ant1

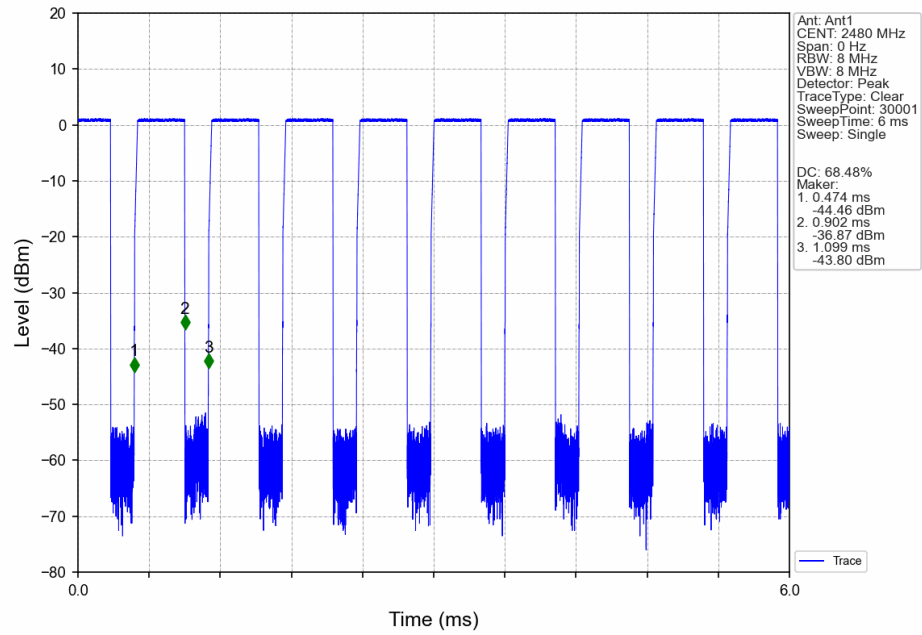
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.428	0.626	68.37	1.65	0.04
		2440	0.427	0.625	68.32	1.65	0.08
		2480	0.428	0.625	68.48	1.64	0.06

1.2 Test Graph

1.2.1 Ant1



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

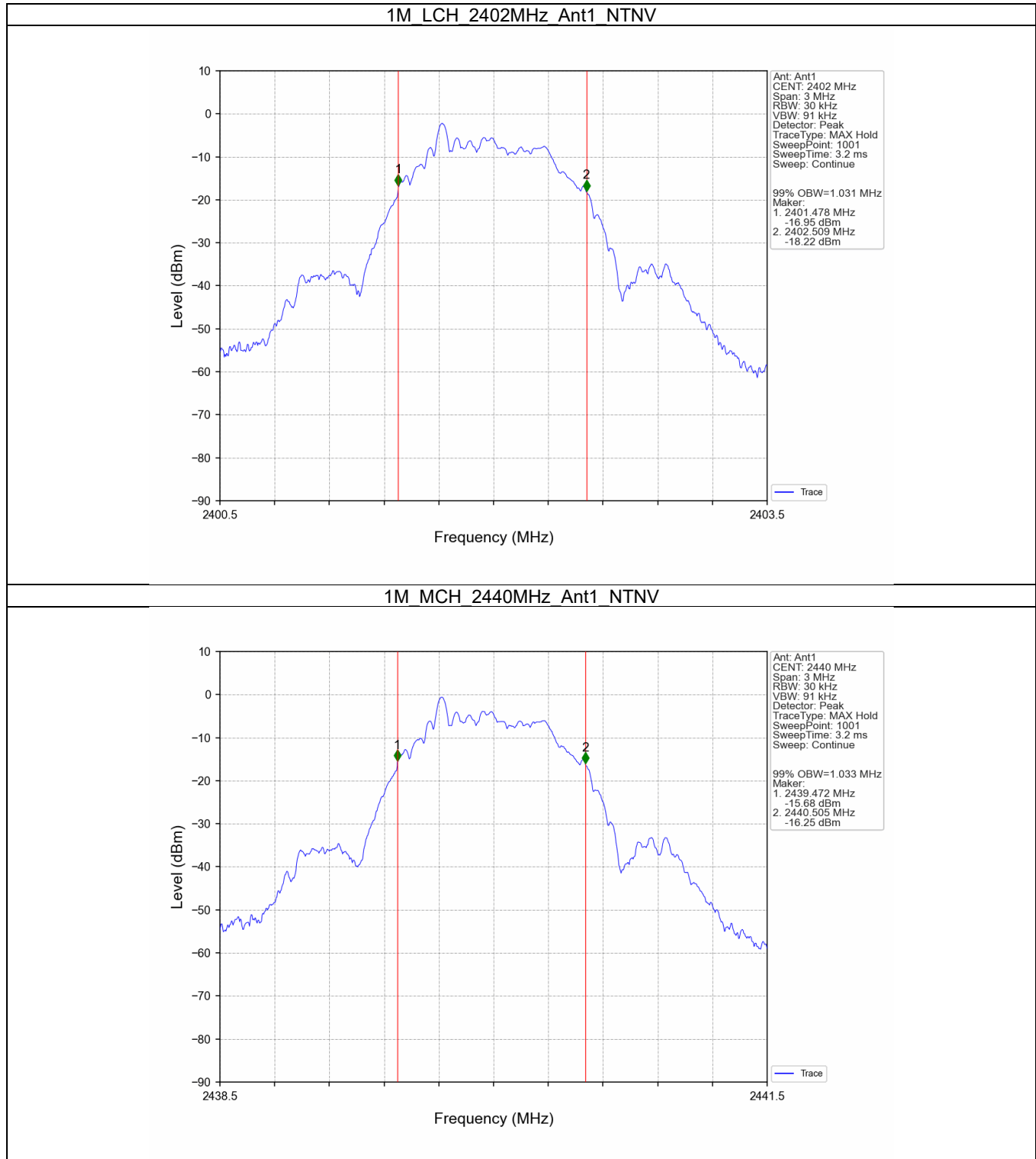
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.031	/	Pass
		2440	1	1.033	/	Pass
		2480	1	1.031	/	Pass

2.1.2 6dB BW

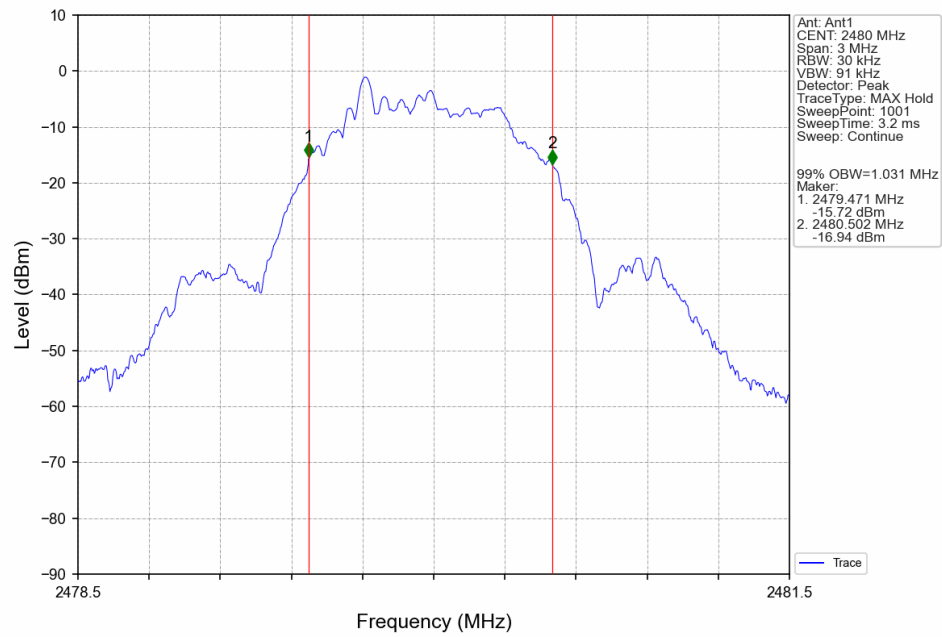
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.705	≥ 0.5	Pass
		2440	1	0.705	≥ 0.5	Pass
		2480	1	0.705	≥ 0.5	Pass

2.2 Test Graph

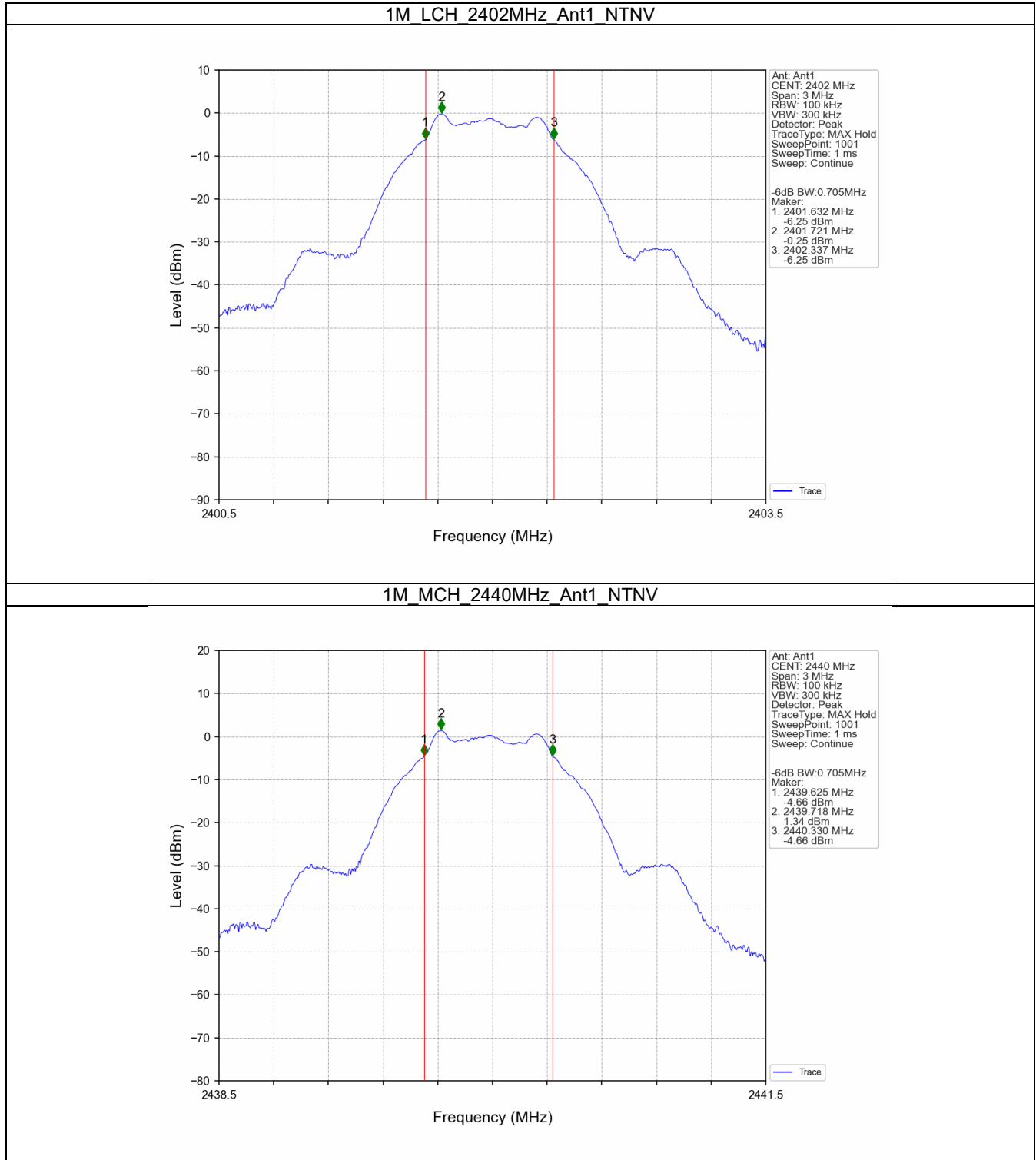
2.2.1 OBW



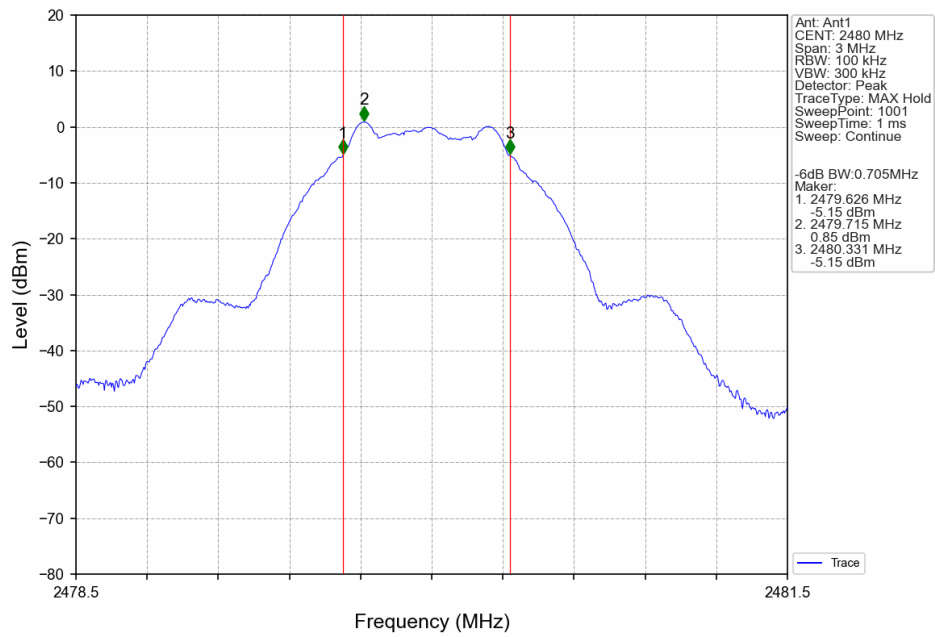
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2.2.2 6dB BW



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3. Maximum Conducted Output Power

3.1 Test Result

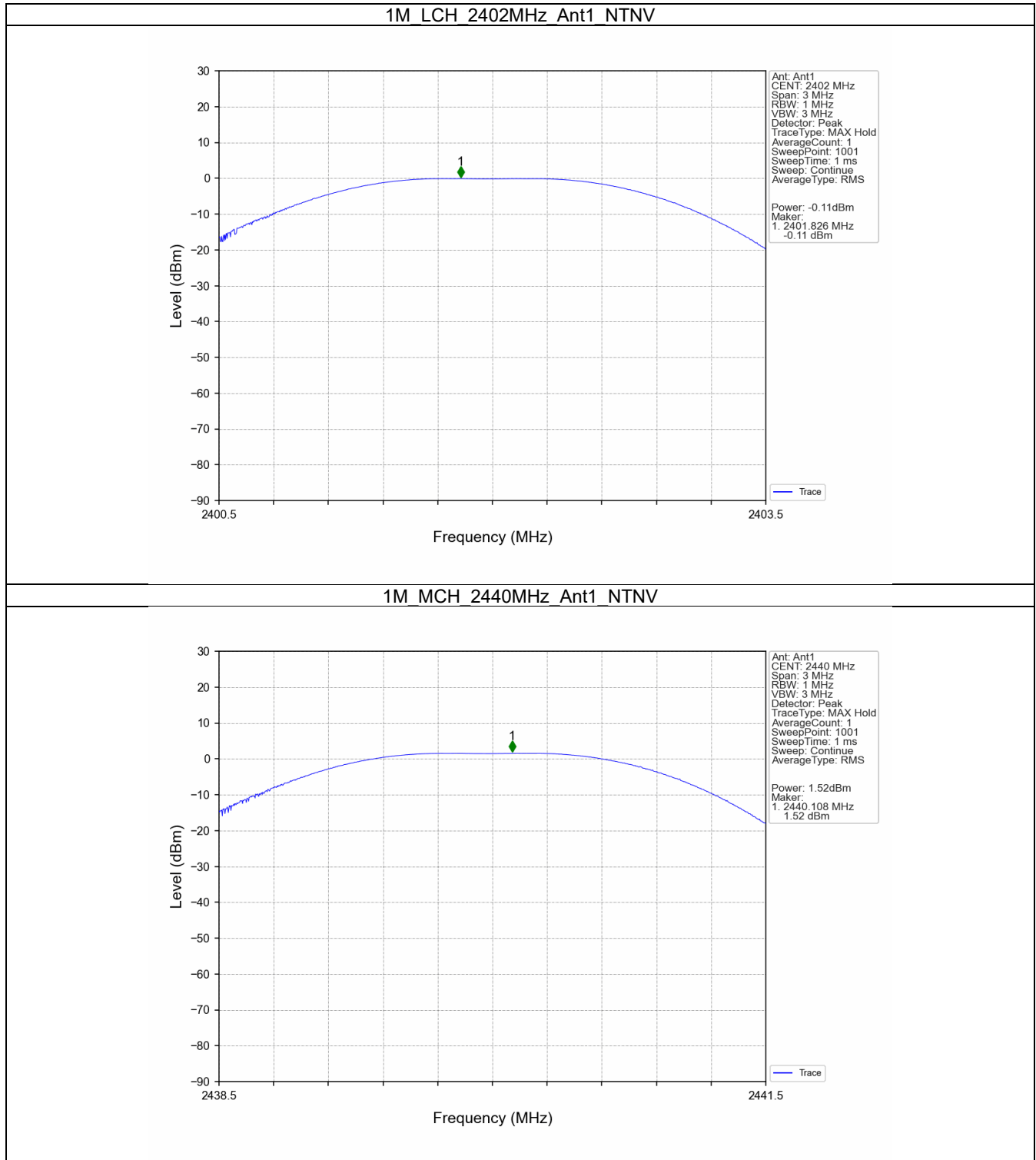
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-0.11	<=30	Pass
		2440	1.52	<=30	Pass
		2480	1.01	<=30	Pass

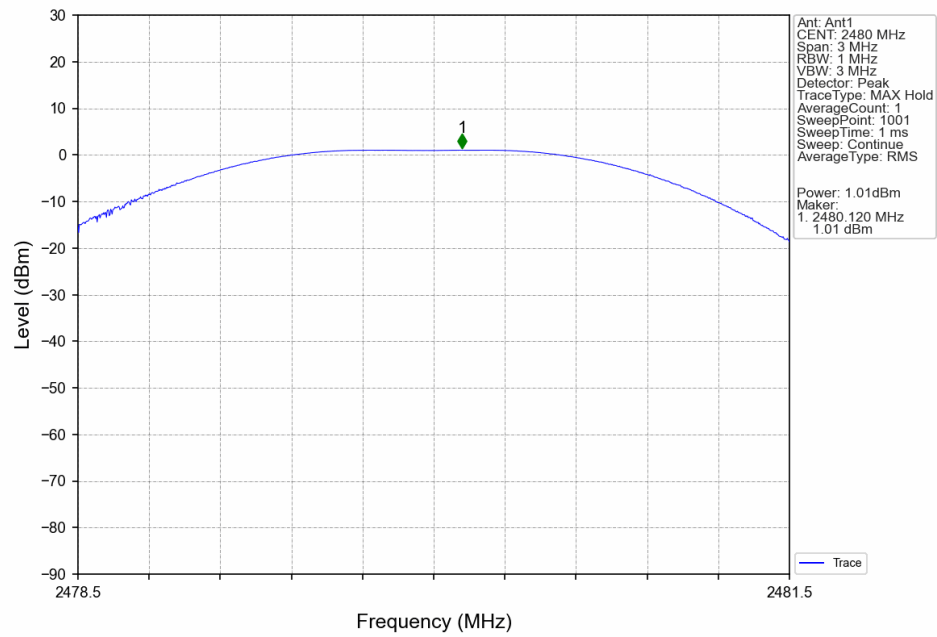
Note1: Antenna Gain: Ant1: 1.70dBi;

3.2 Test Graph

3.2.1 Power



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4. Maximum Power Spectral Density

4.1 Test Result

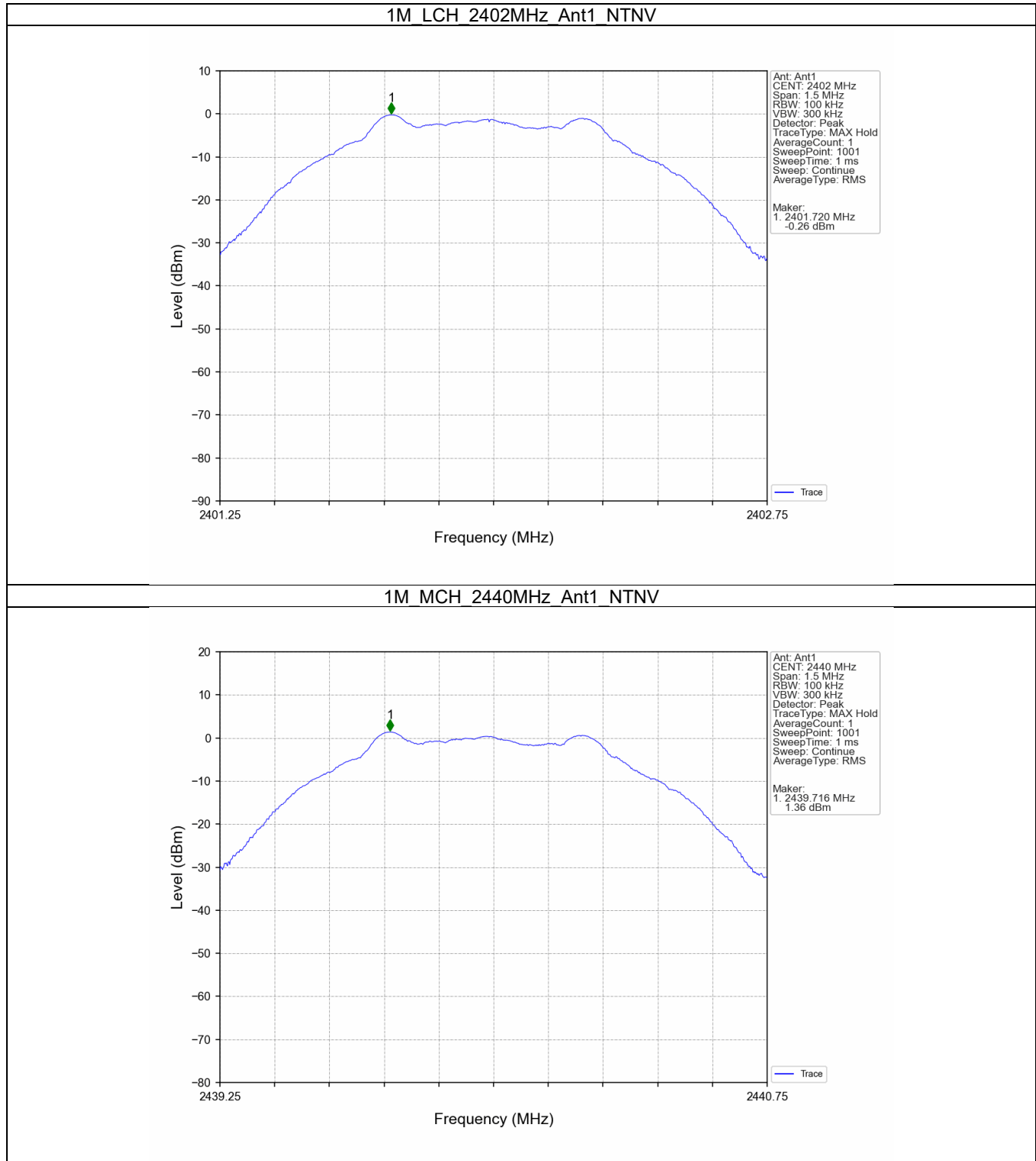
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-0.26	<=8	Pass
		2440	1.36	<=8	Pass
		2480	0.85	<=8	Pass

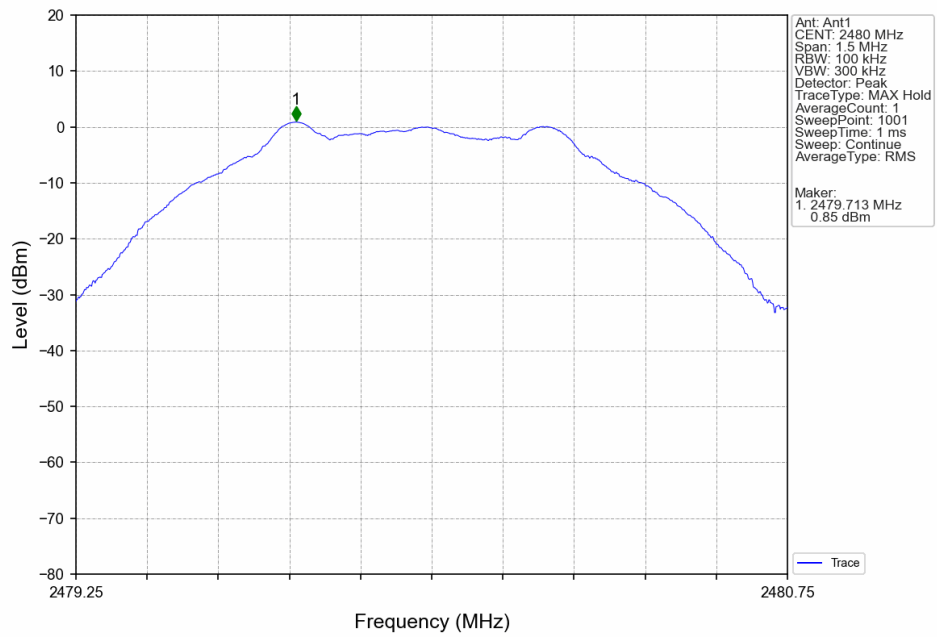
Note1: Antenna Gain: Ant1: 1.70dBi;

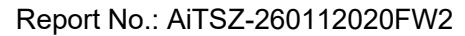
4.2 Test Graph

4.2.1 PSD



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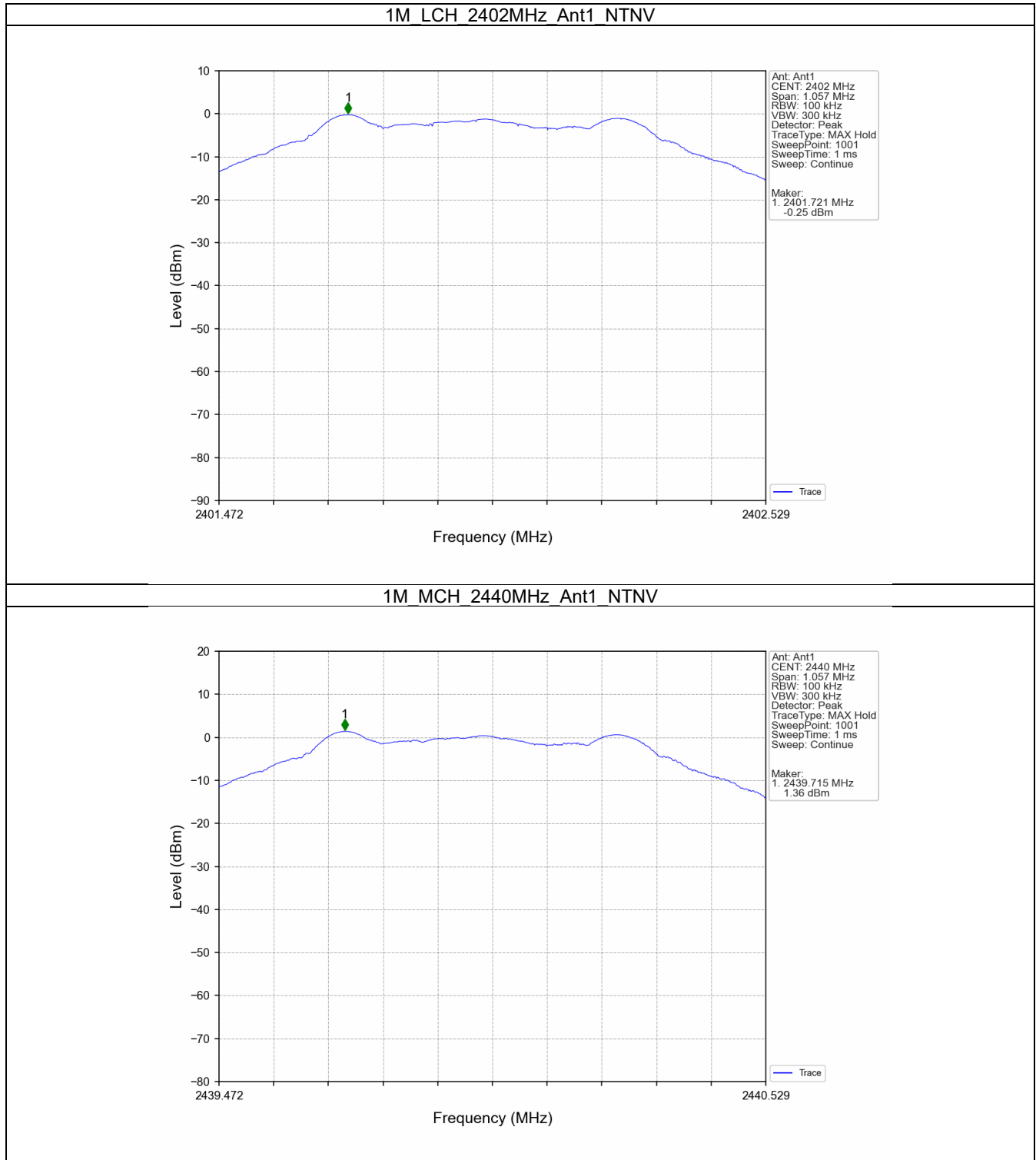




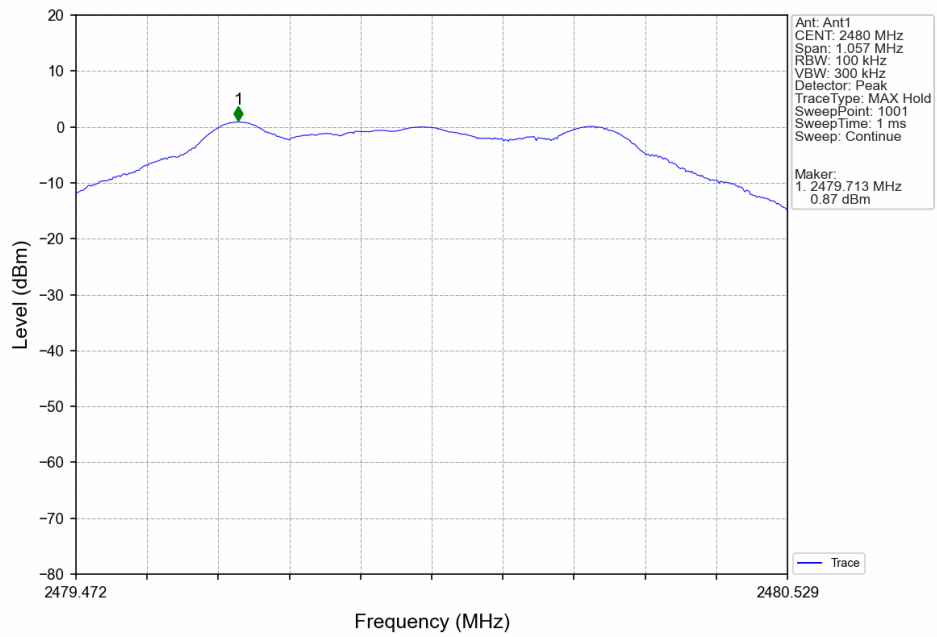
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	1.36	-18.64	Pass
		2440	1	1.36	-18.64	Pass
		2480	1	1.36	-18.64	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

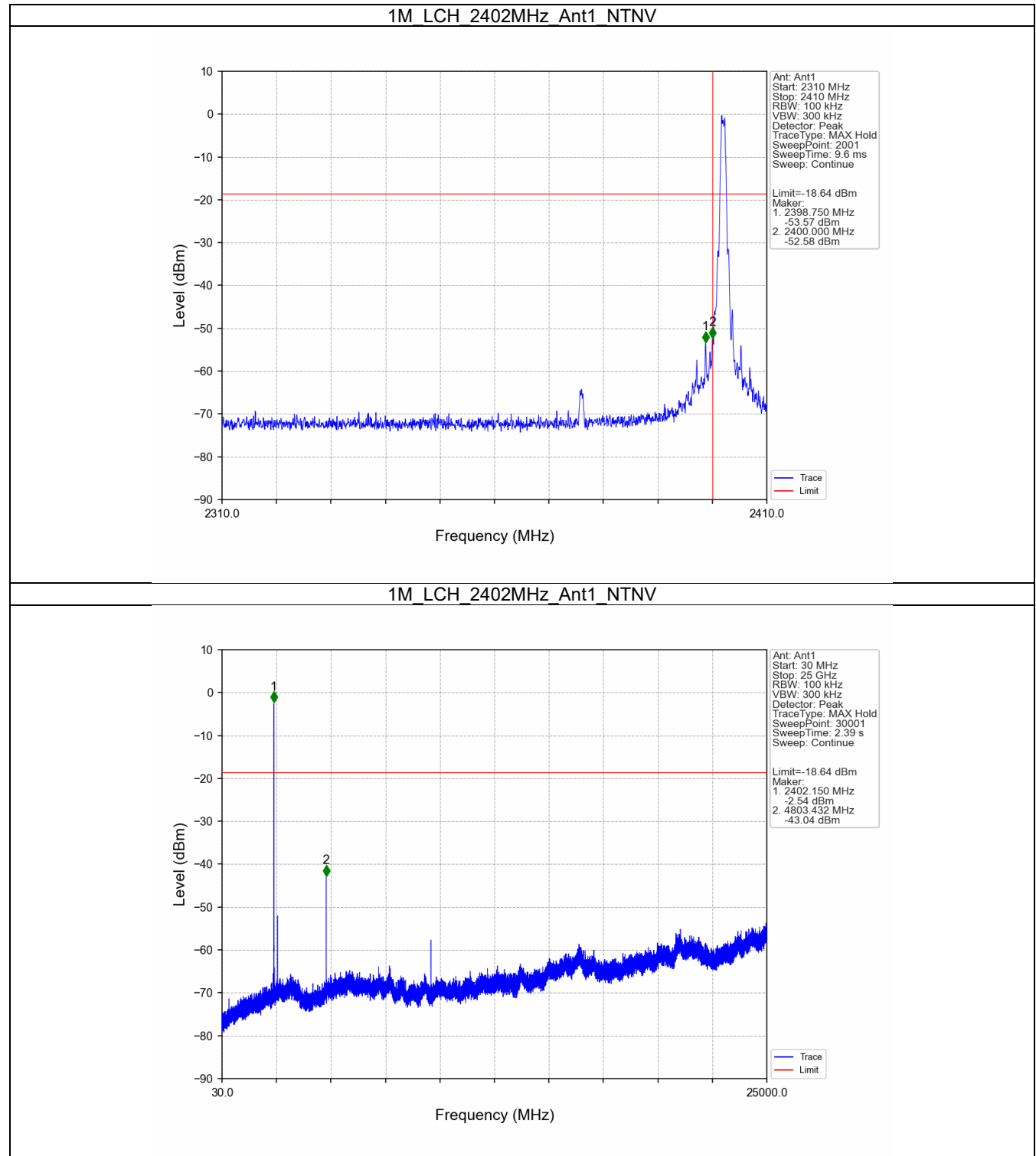
5.2.1 Ref



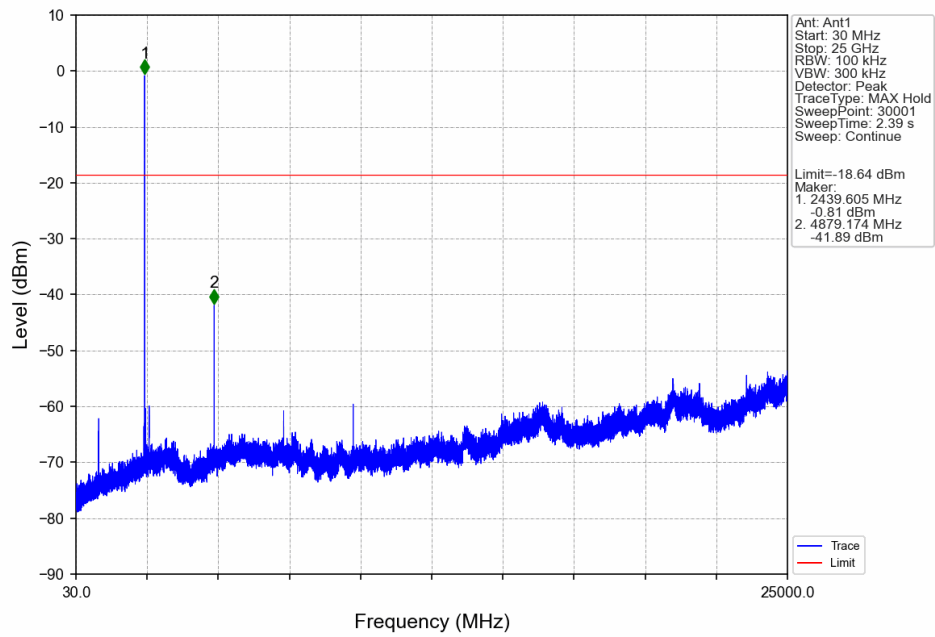
1M HCH 2480MHz Ant1 NTNV



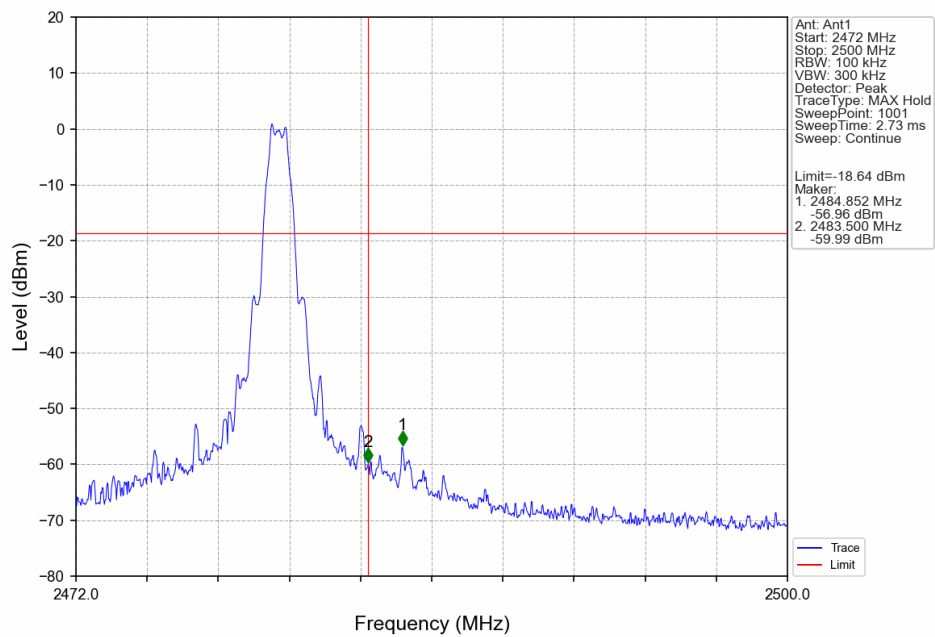
5.2.2 CSE

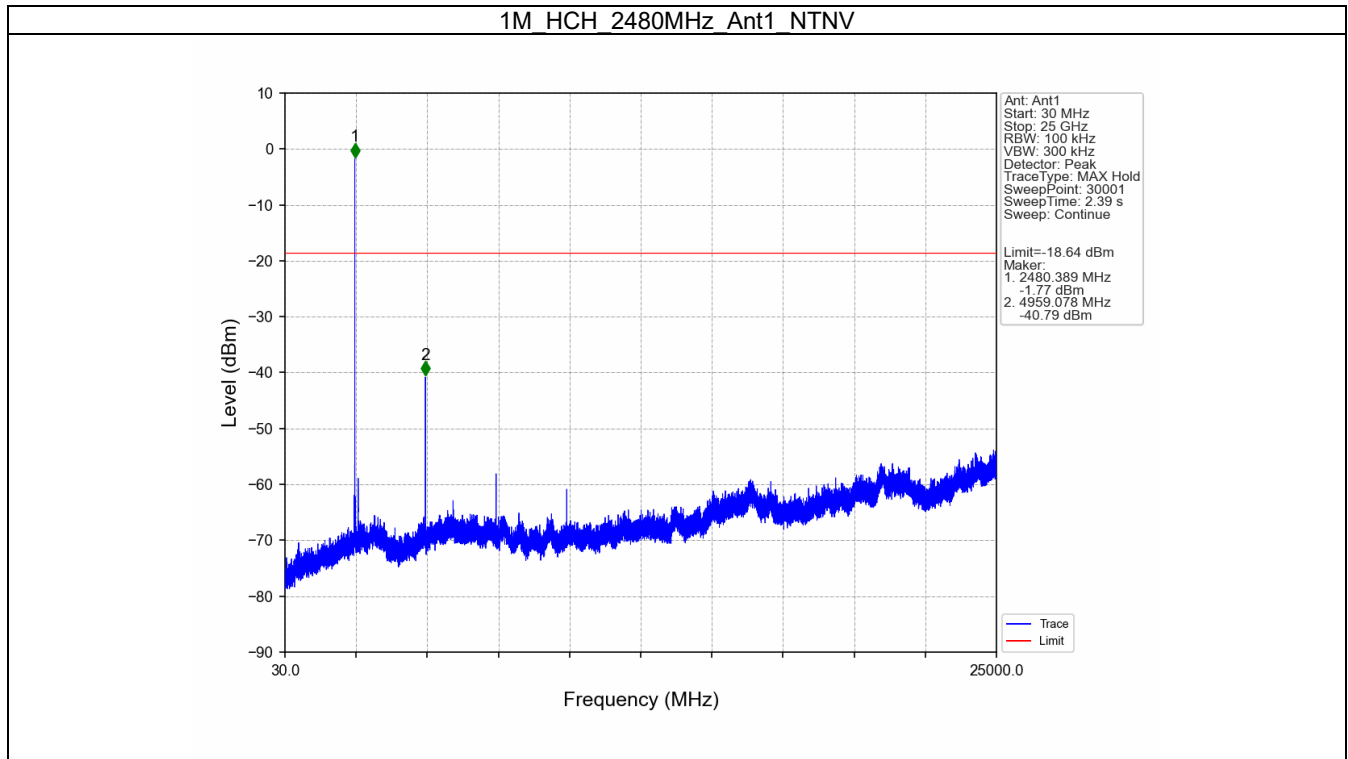


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1M HCH 2480MHz Ant1 NTV





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