



Annex for Bluetooth Low Energy

Test Report No.: CTL2404071041-WF

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1. 1. Duty Cycle

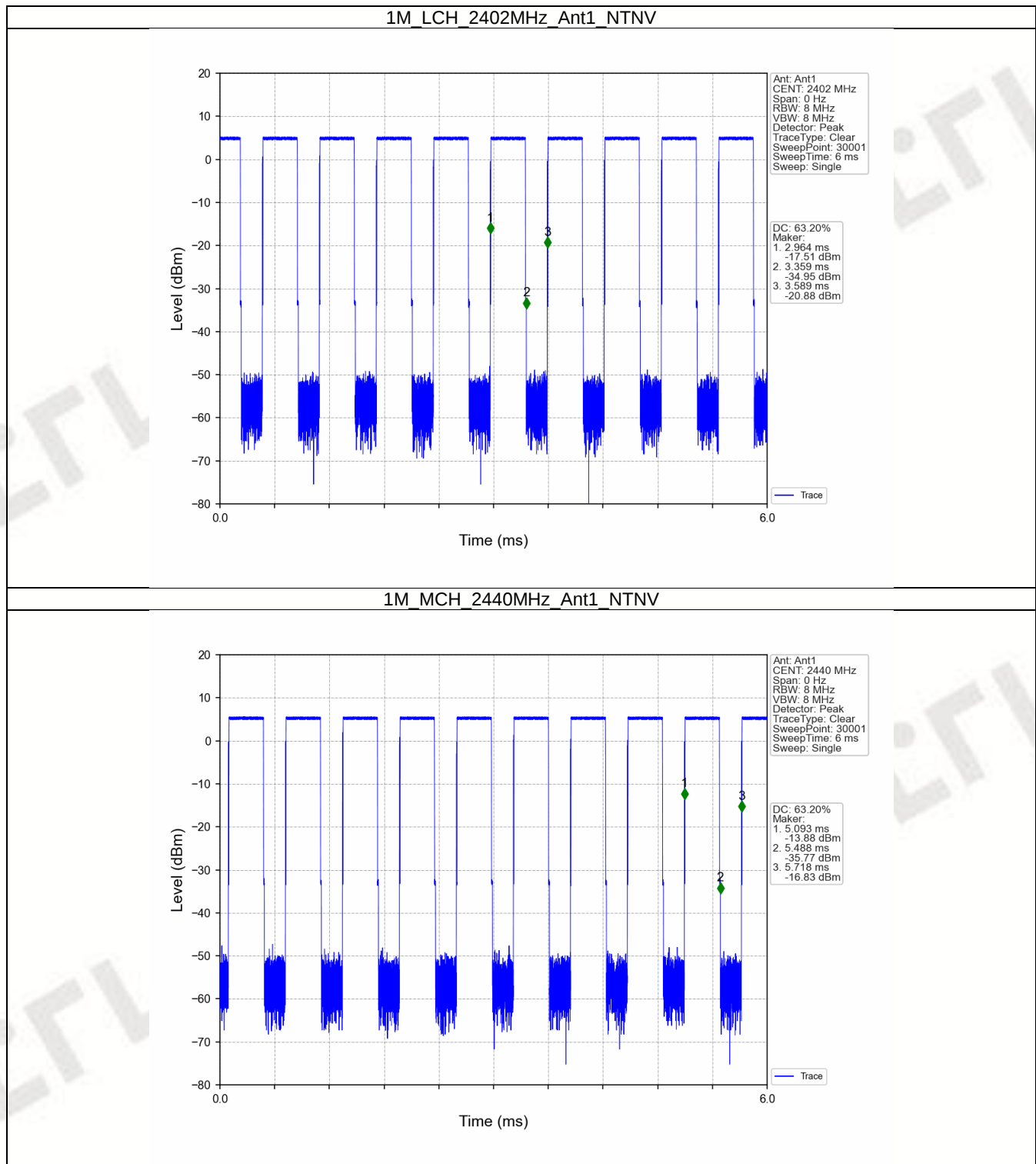
1.1 Ant1

1.1.1 Test Result

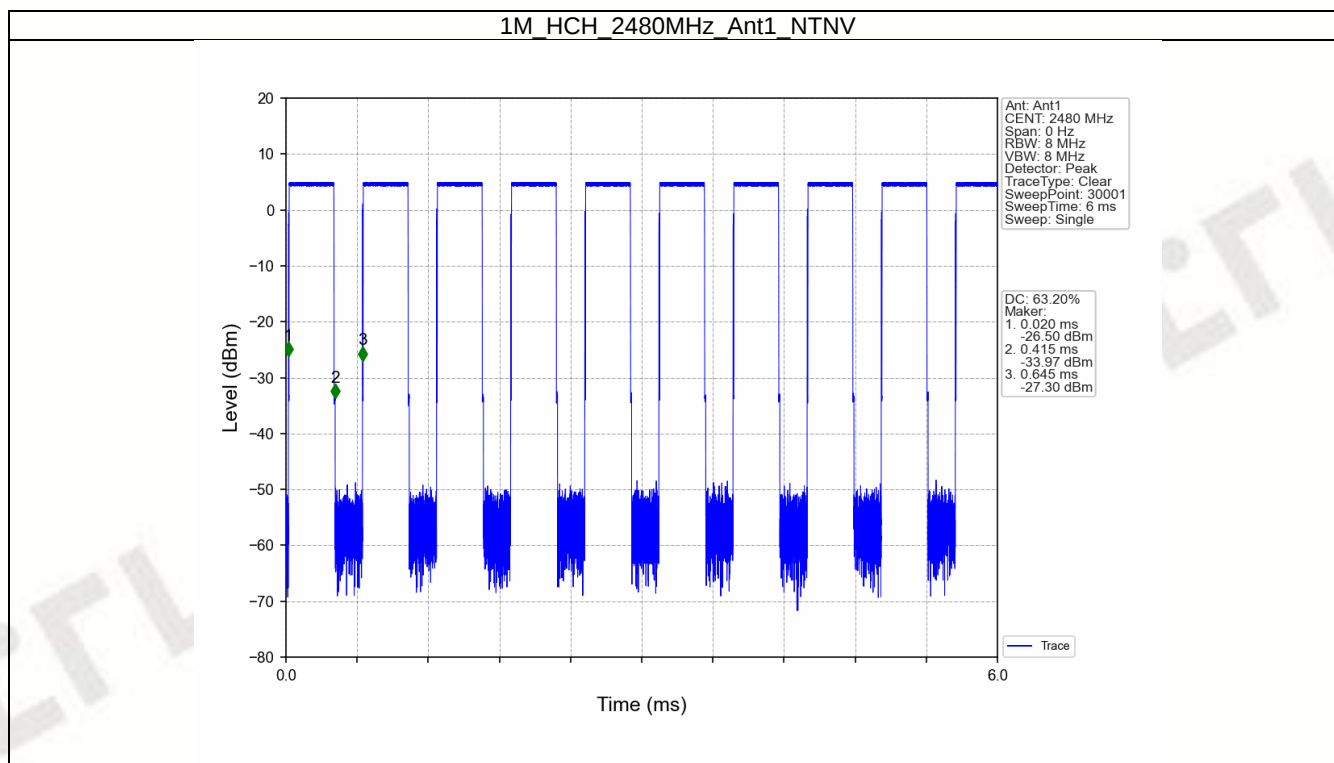
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.395	0.625	63.20	1.99	0.03
		2440	0.395	0.625	63.20	1.99	0.03
		2480	0.395	0.625	63.20	1.99	0.00

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1.1.2 Test Graph



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2. Bandwidth

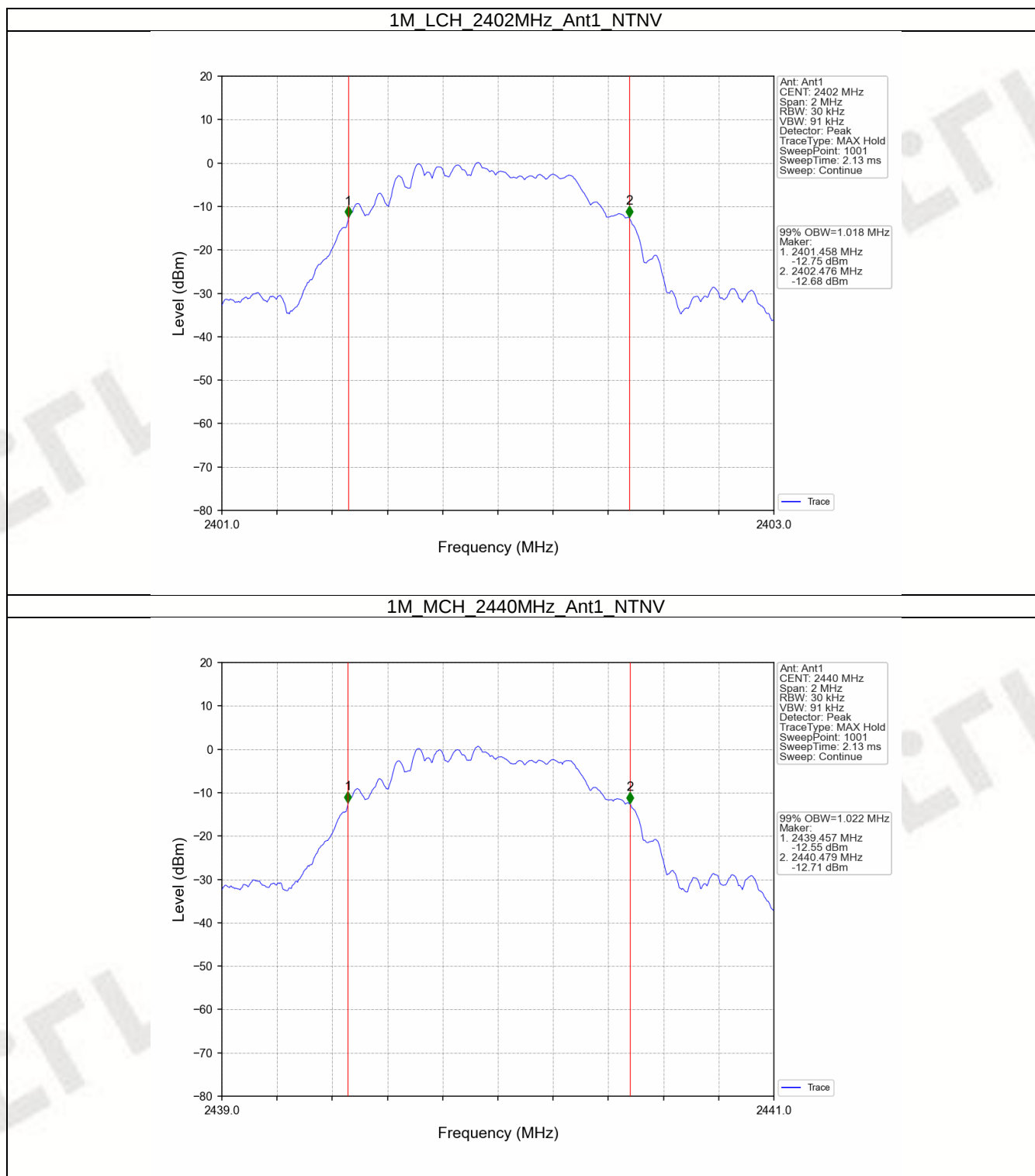
2.1 OBW

2.1.1 Test Result

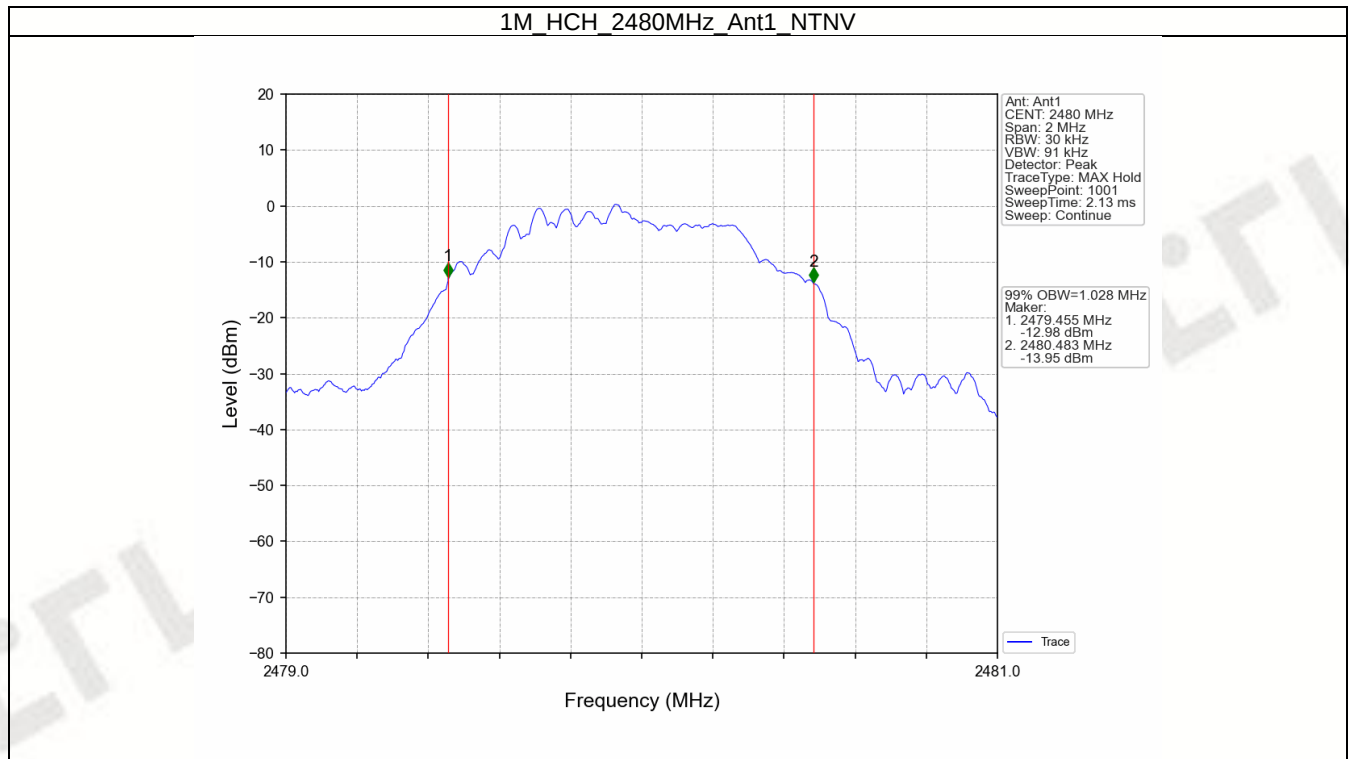
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.018	/	Pass
		2440	1	1.022	/	Pass
		2480	1	1.028	/	Pass

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2.1.2 Test Graph



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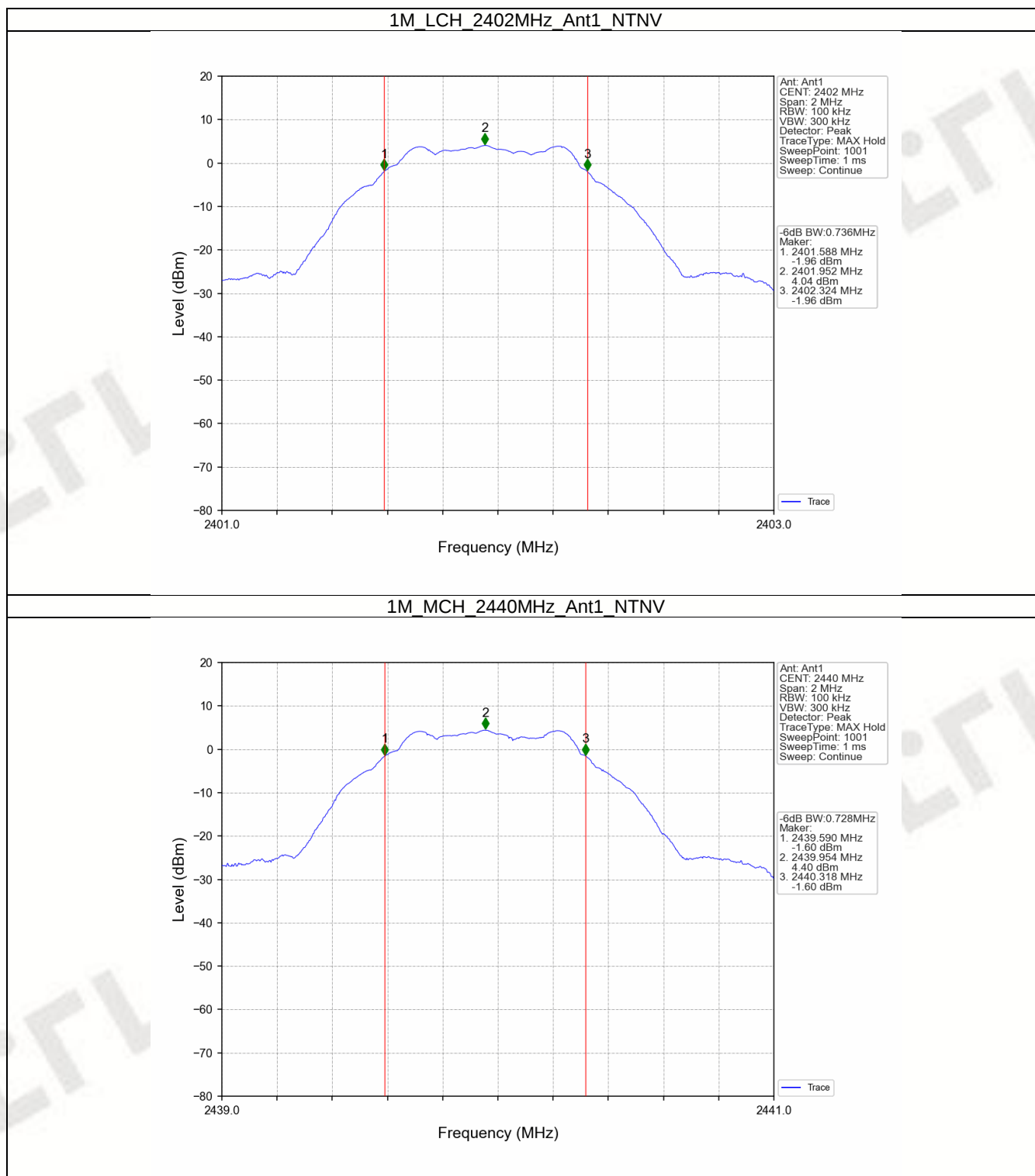
2.2 6dB BW

2.2.1 Test Result

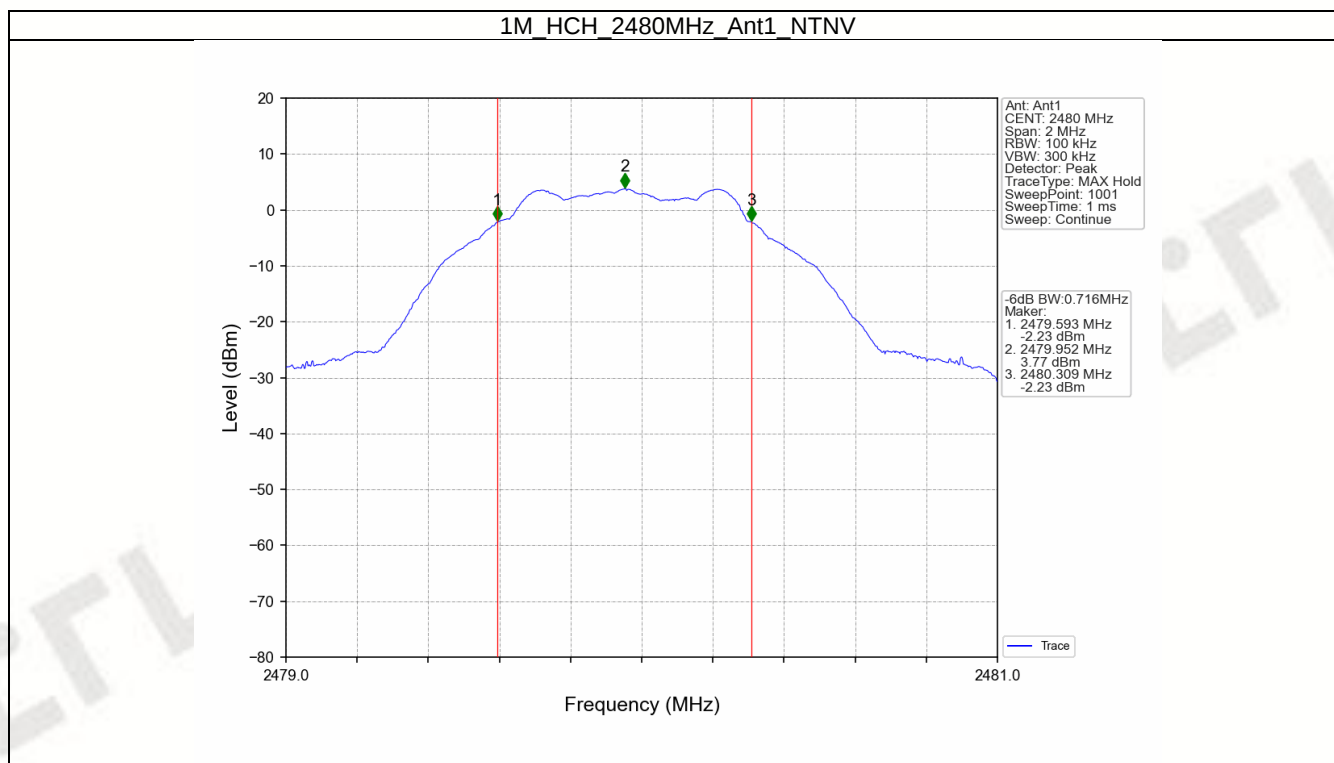
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.736	≥ 0.5	Pass
		2440	1	0.728	≥ 0.5	Pass
		2480	1	0.716	≥ 0.5	Pass

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2.2.2 Test Graph



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3. Maximum Conducted Output Power

3.1 Power

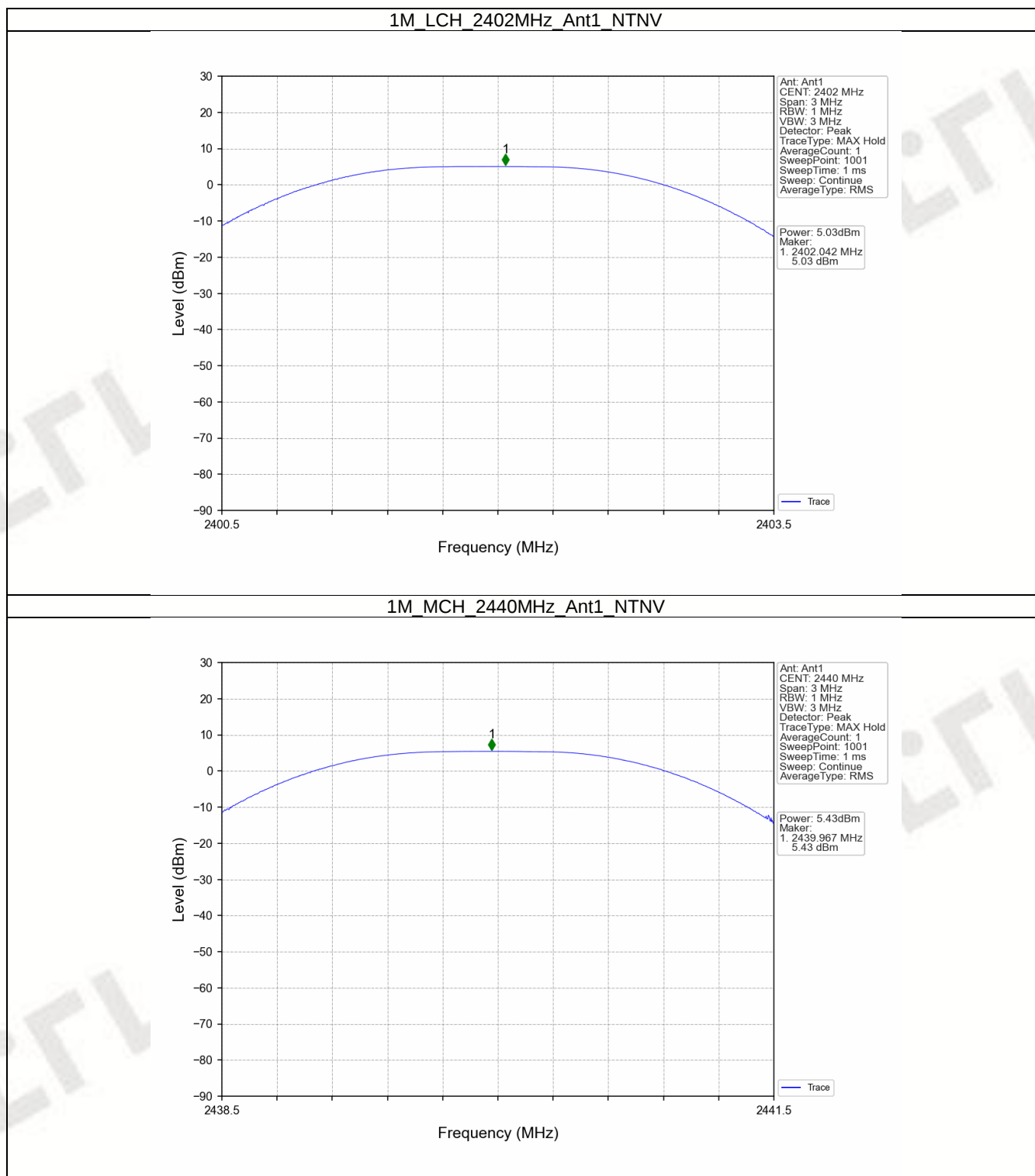
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	5.03	≤ 30	Pass
		2440	5.43	≤ 30	Pass
		2480	4.78	≤ 30	Pass

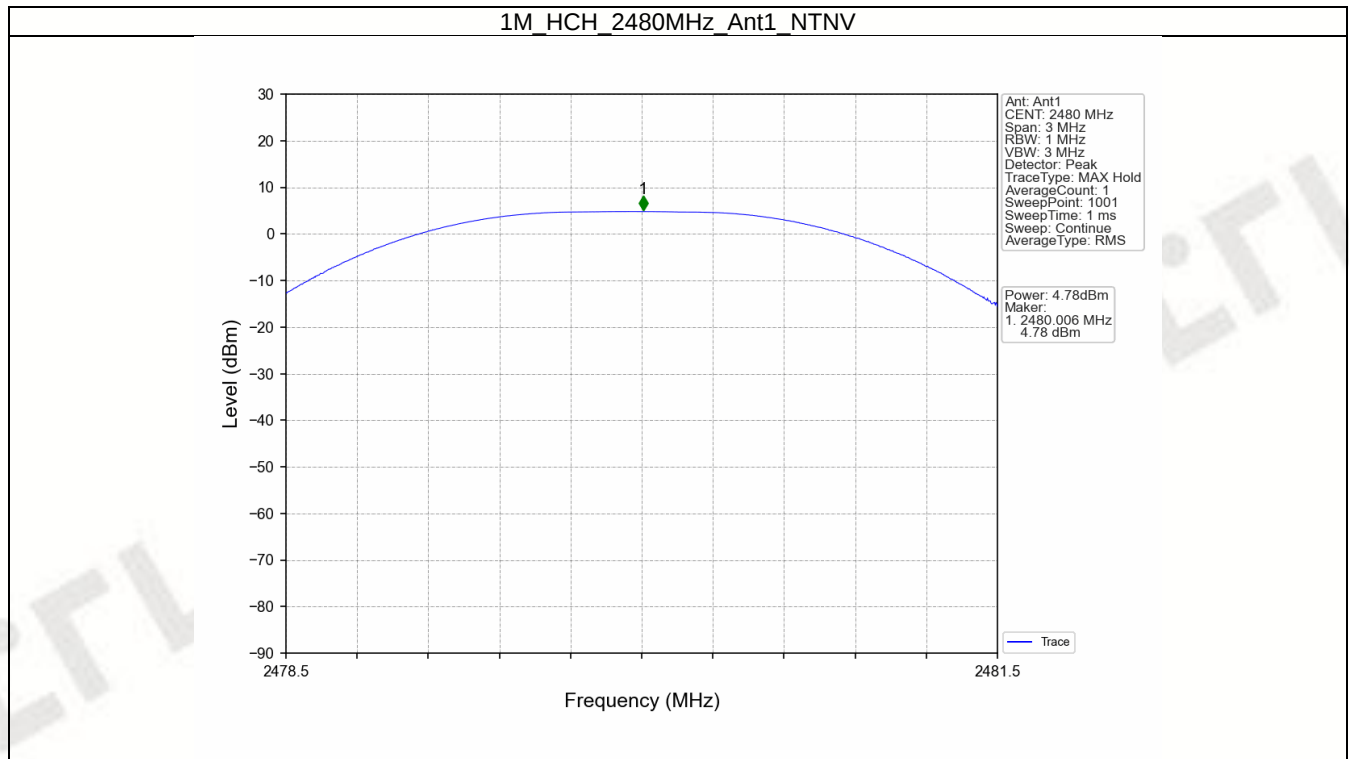
Note1: Antenna Gain: Ant1: -0.84dBi;

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3.1.2 Test Graph



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4. Maximum Power Spectral Density

4.1 PSD

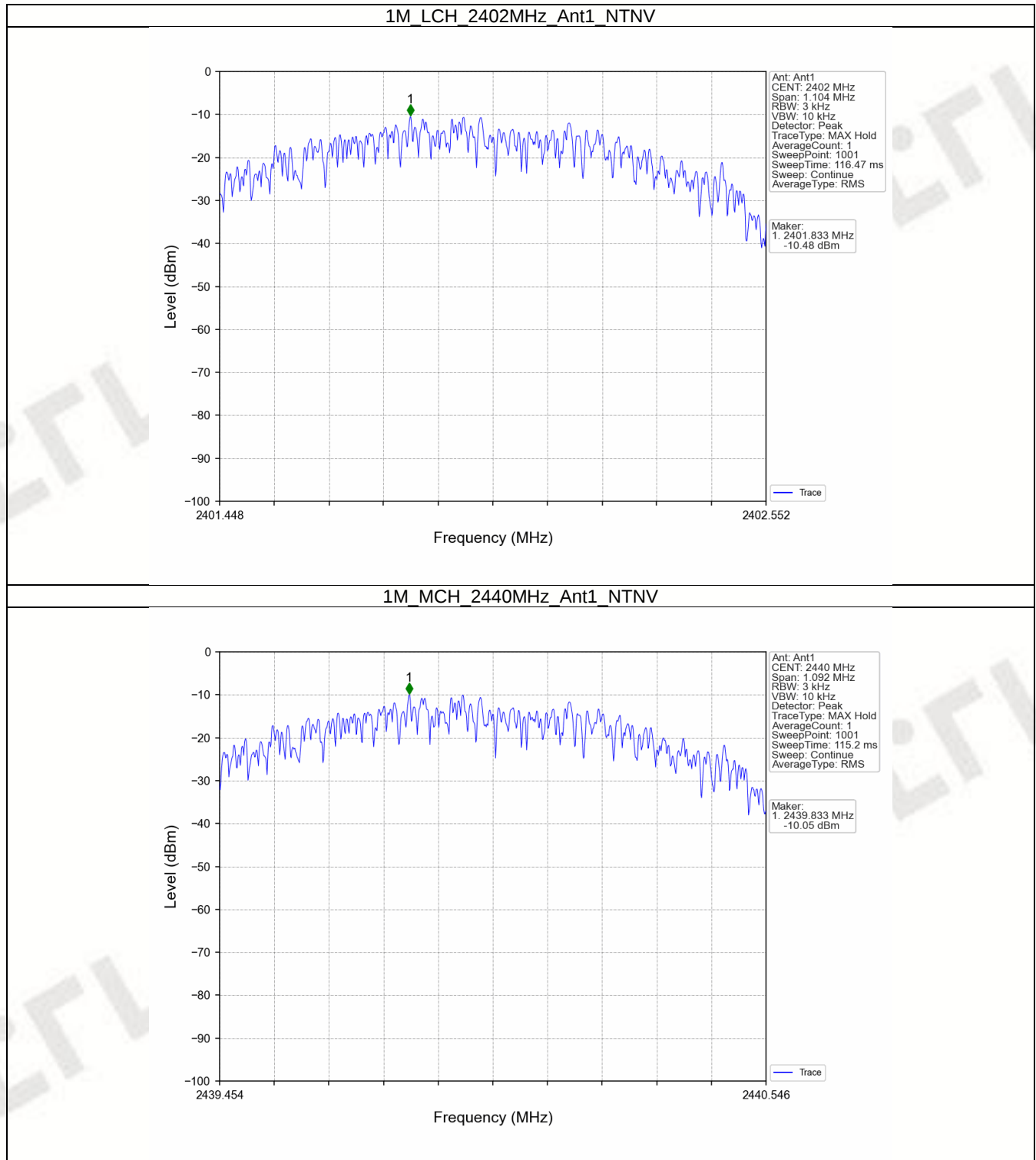
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-10.48	<=8	Pass
		2440	-10.05	<=8	Pass
		2480	-10.64	<=8	Pass

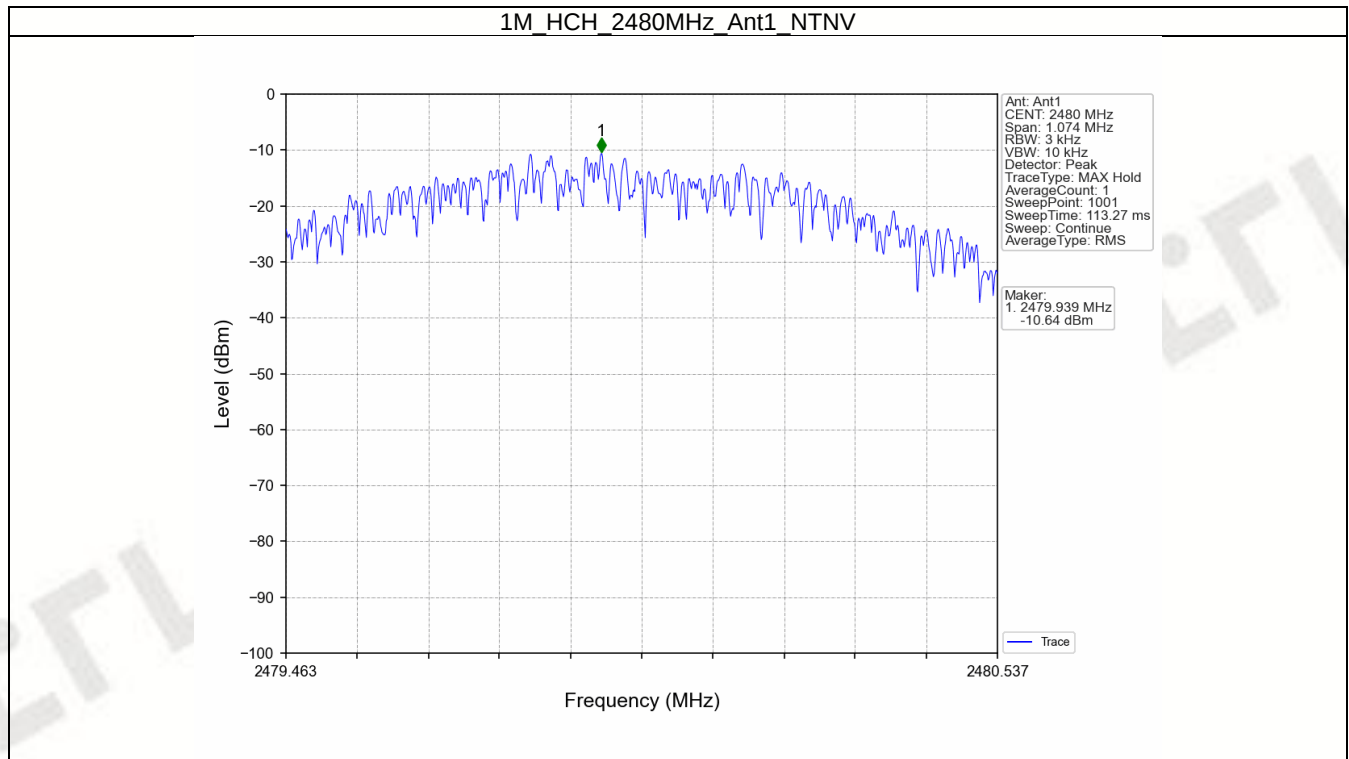
Note1: Antenna Gain: Ant1: -0.84dBi;

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4.1.2 Test Graph



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5. Unwanted Emissions In Non-restricted Frequency Bands

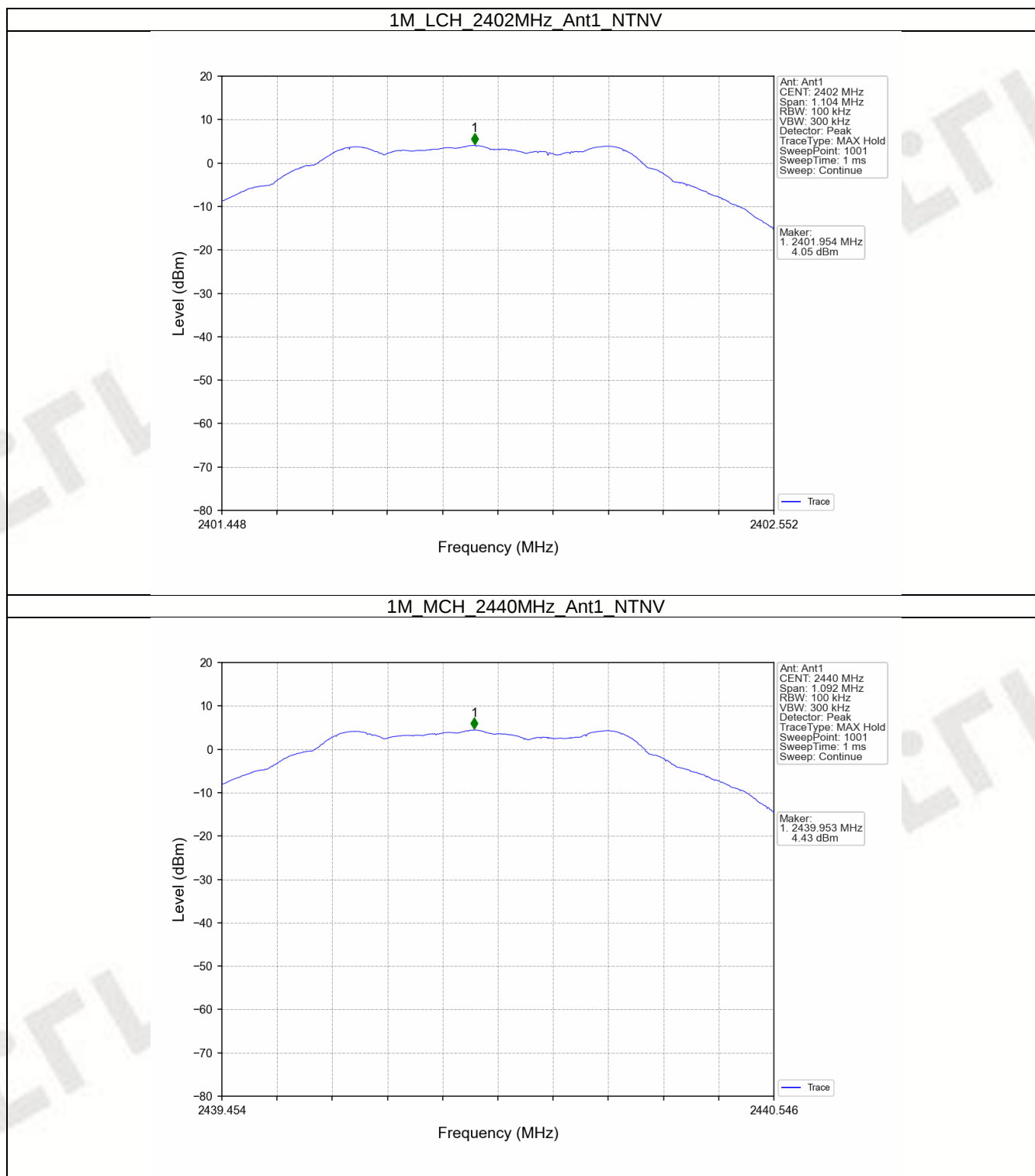
5.1 Ref

5.1.1 Test Result

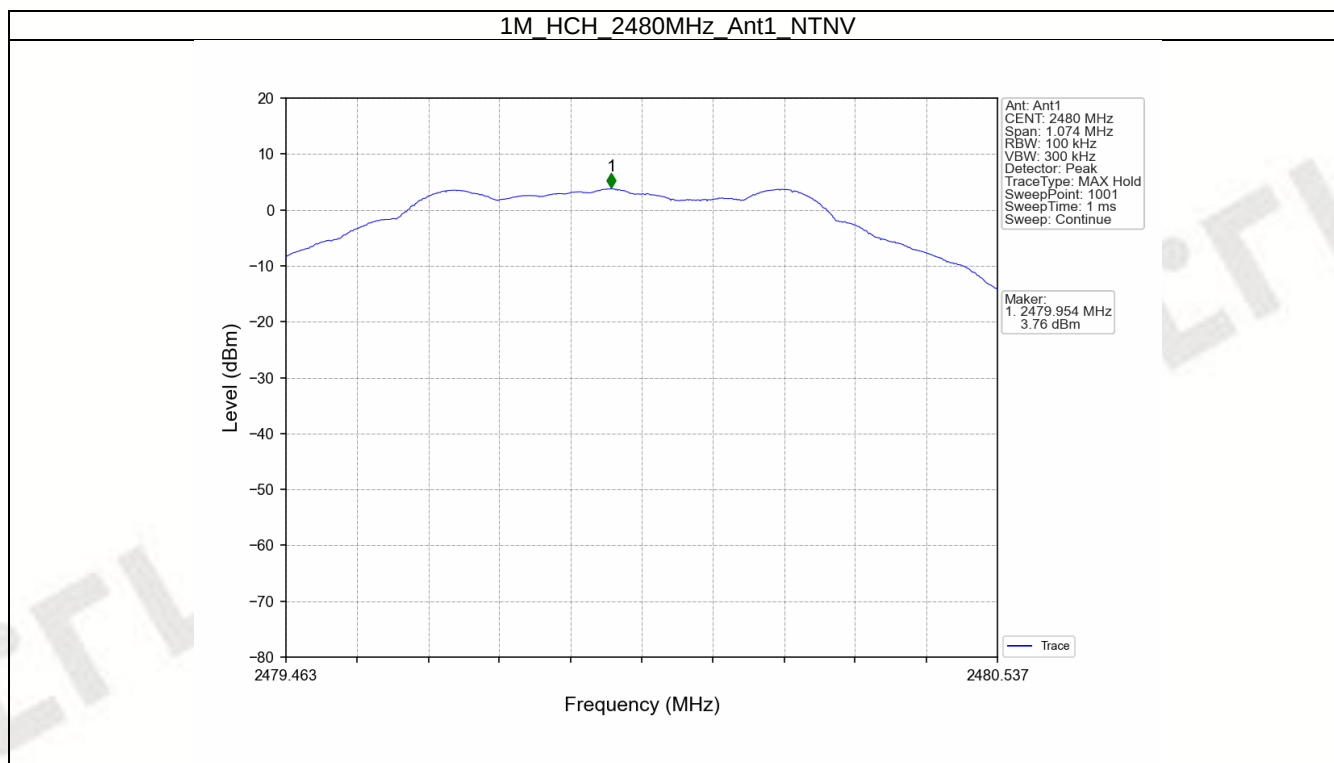
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	4.05
		2440	1	4.43
		2480	1	3.76
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

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5.1.2 Test Graph



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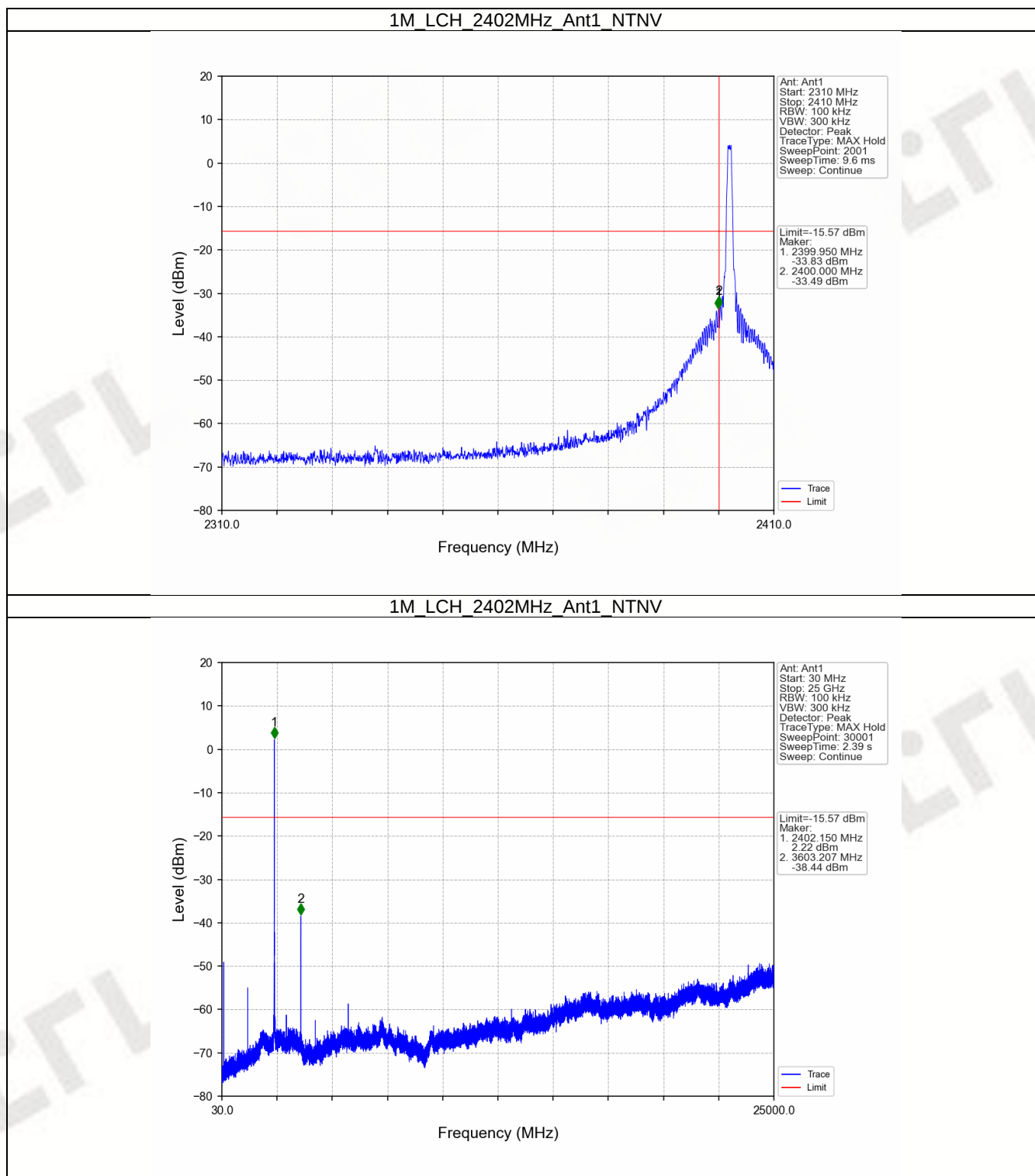
5.2 CSE

5.2.1 Test Result

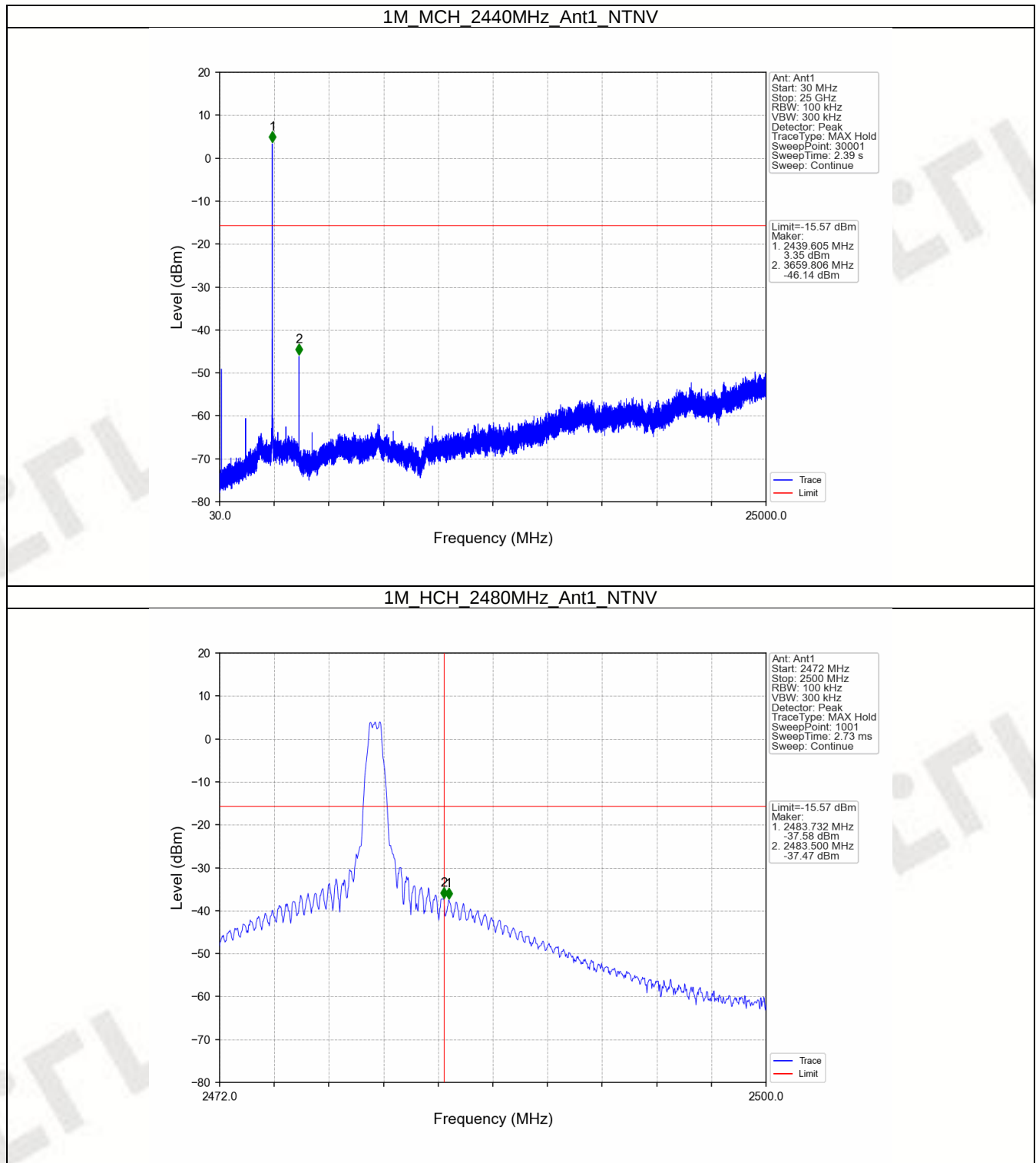
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	4.43	-15.57	Pass
		2440	1	4.43	-15.57	Pass
		2480	1	4.43	-15.57	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

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5.2.2 Test Graph



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