

FCC ID: 2BFCV-BOT3



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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202045-WF

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1. Duty Cycle

1.1 Test Result

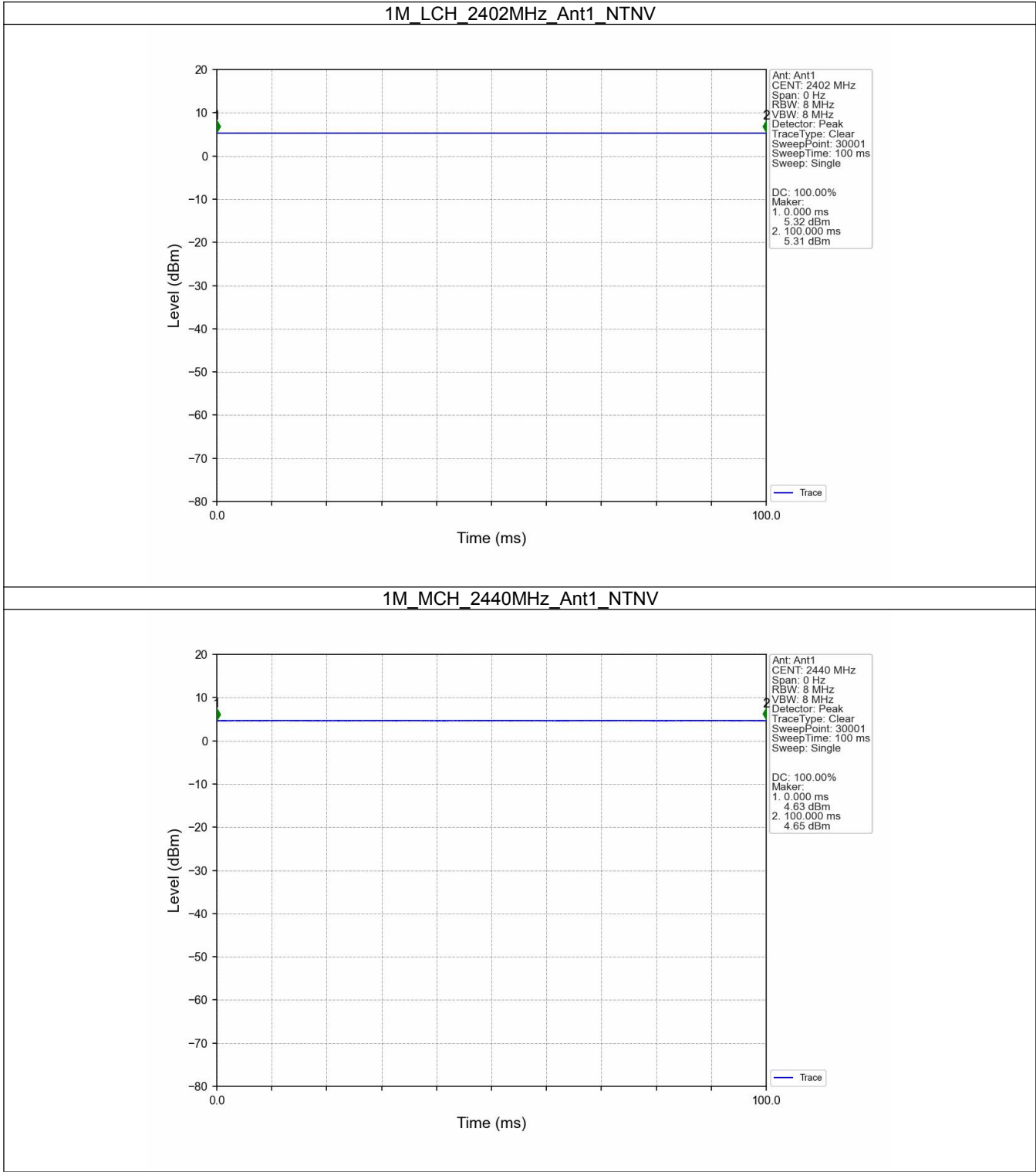
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00

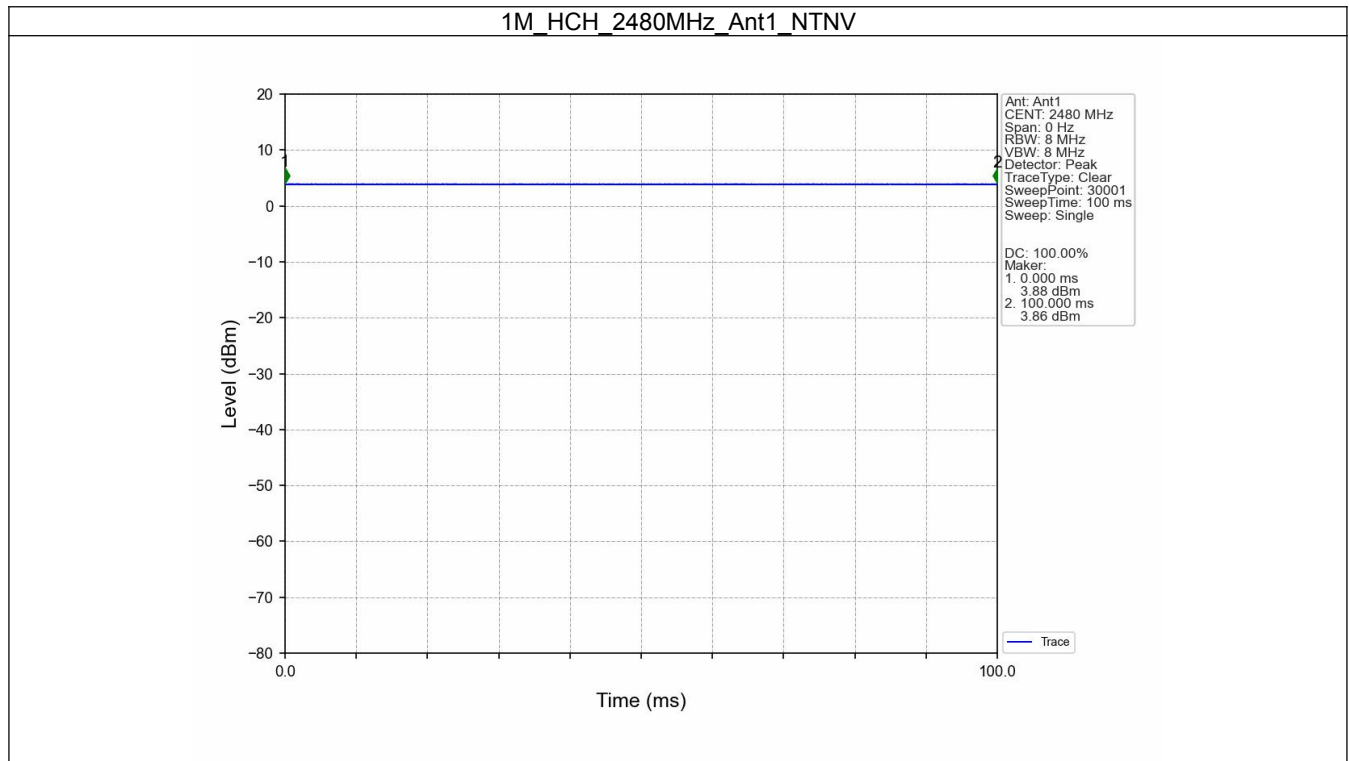
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1.2 Test Graph

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	1.374	/	Pass
		2440	1	1.390	/	Pass
		2480	1	1.375	/	Pass

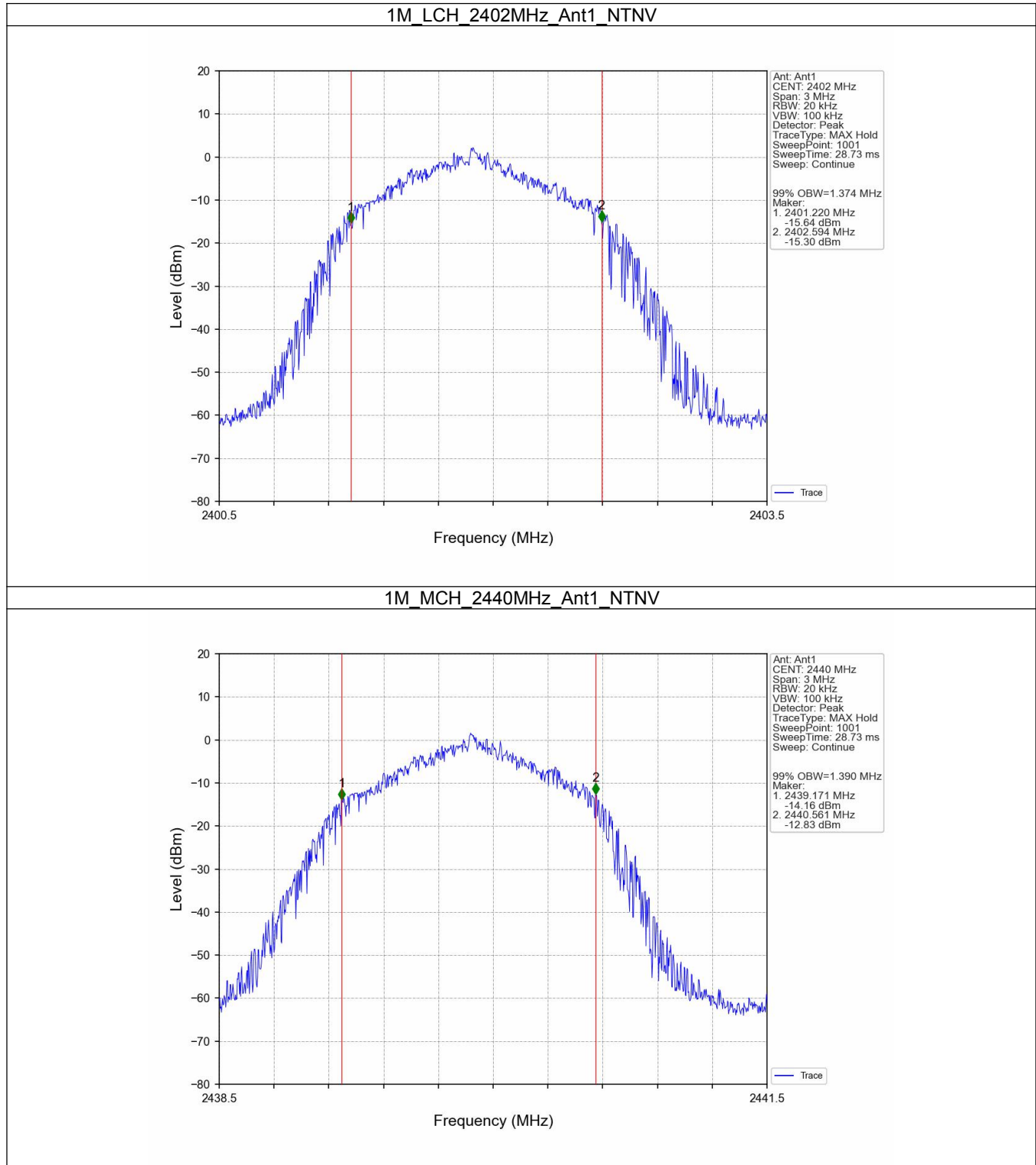
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.374	≥ 0.5	Pass
		2440	1	1.437	≥ 0.5	Pass
		2480	1	1.397	≥ 0.5	Pass

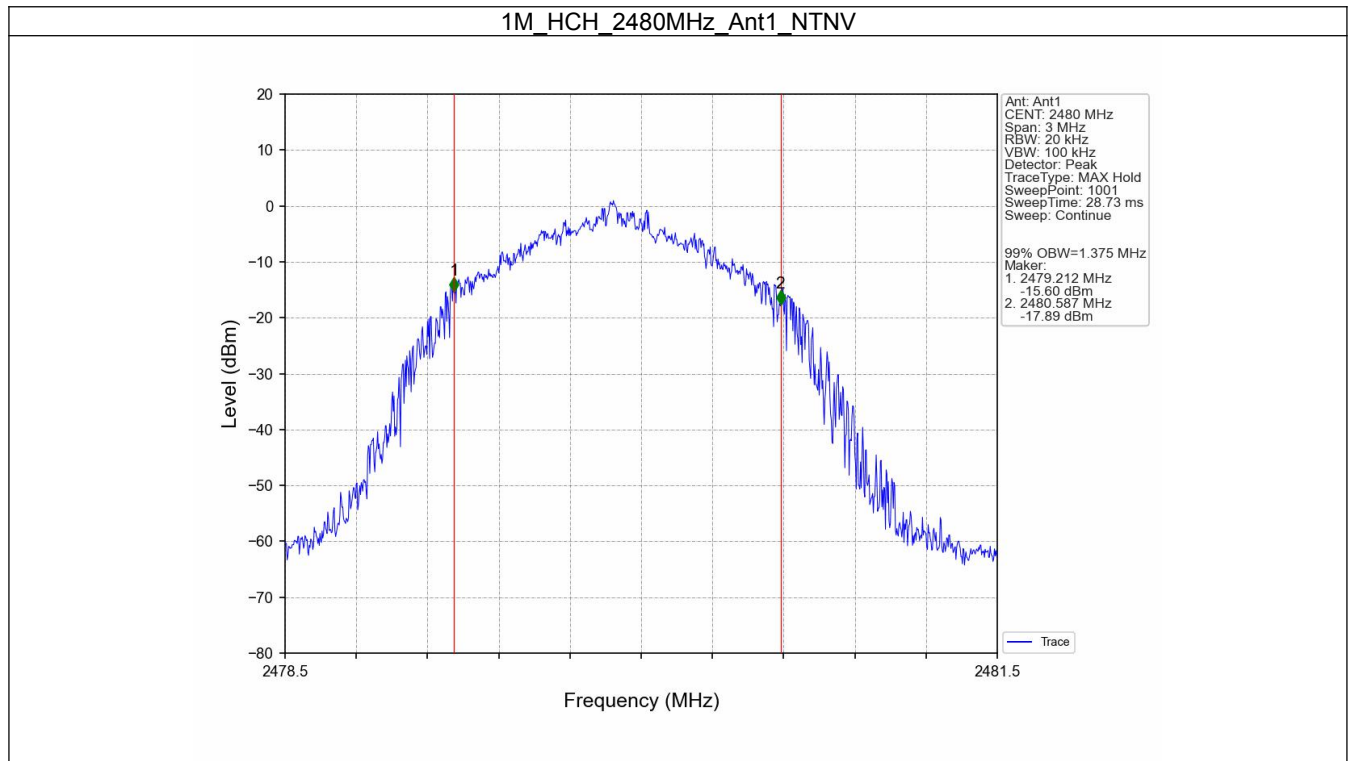
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2.2 Test Graph

2.2.1 OBW

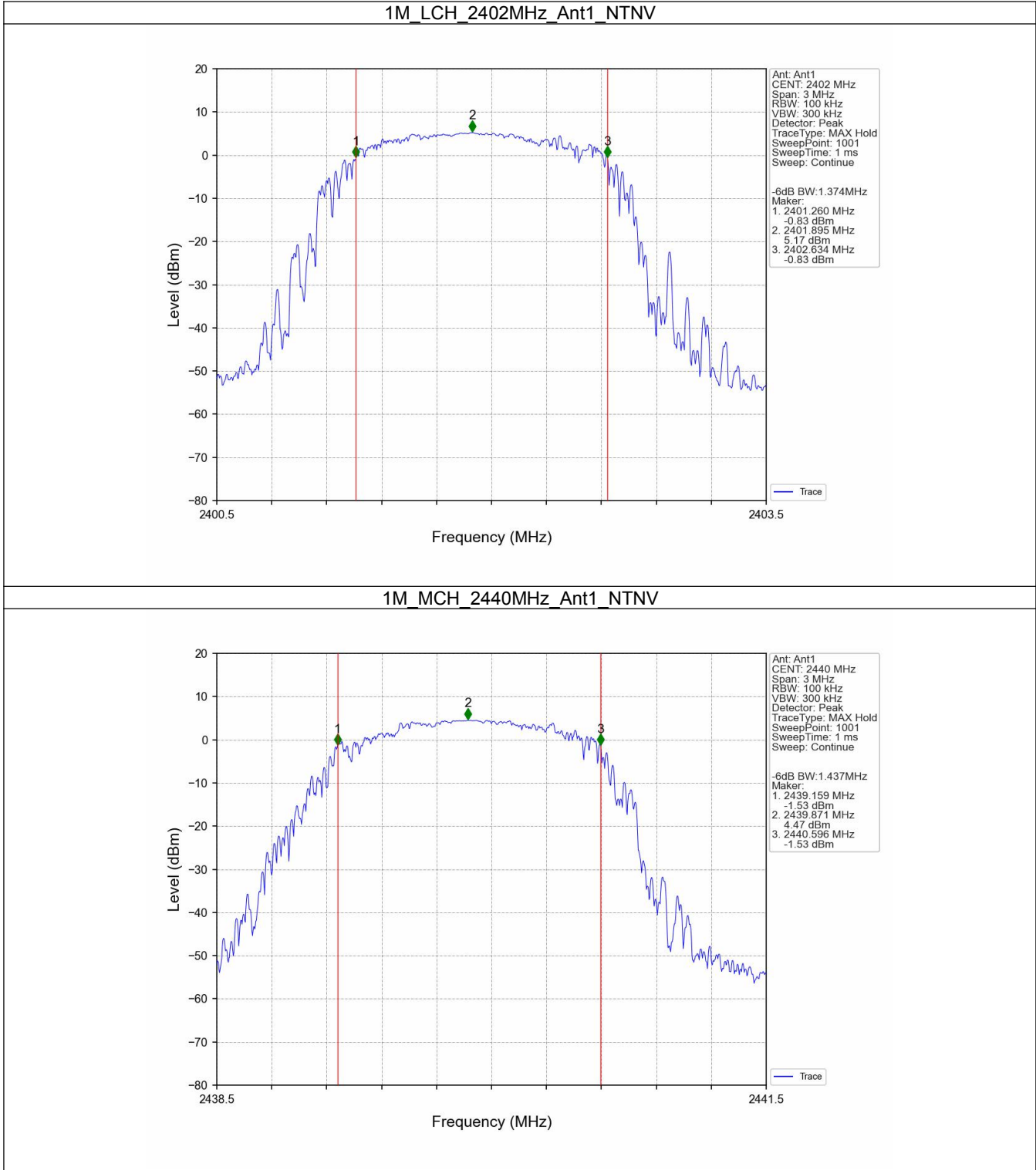


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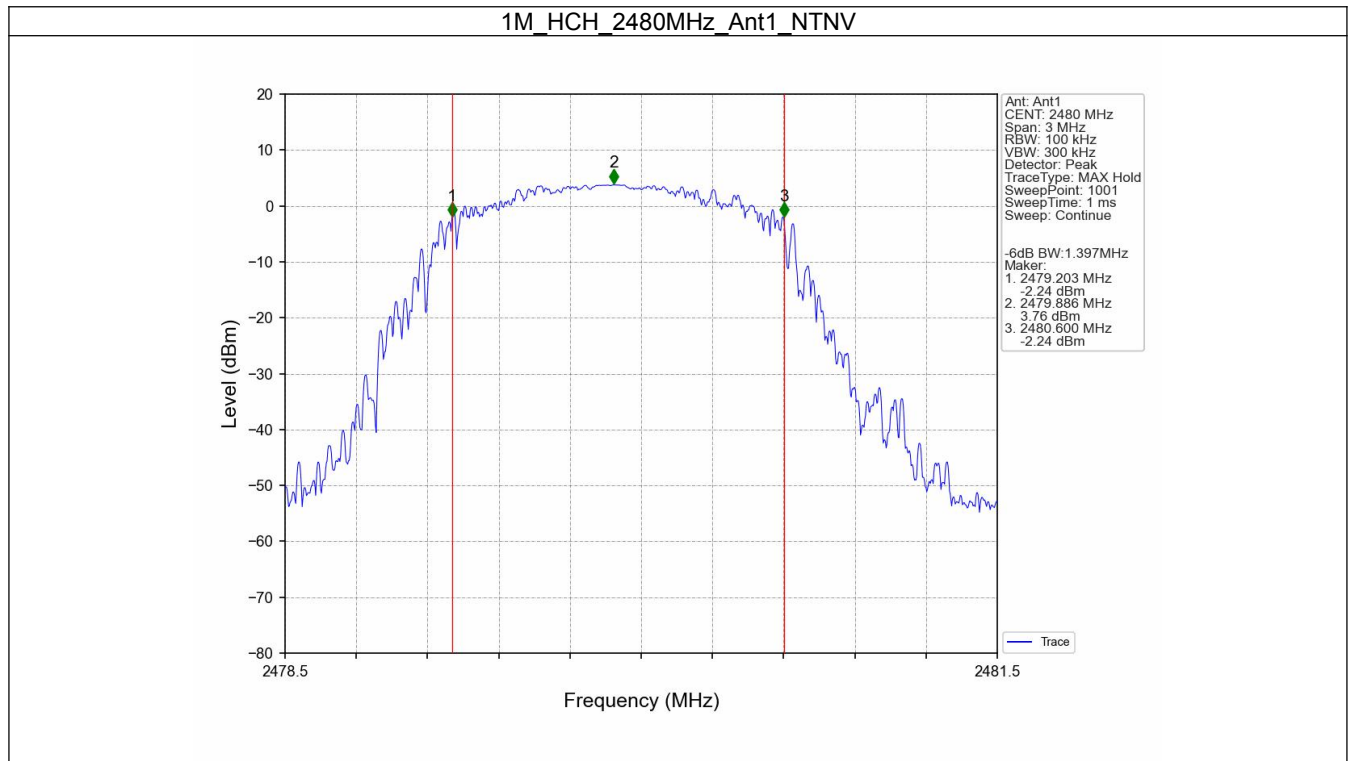


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2.2.2 6dB BW



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3. Maximum Conducted Output Power

3.1 Test Result

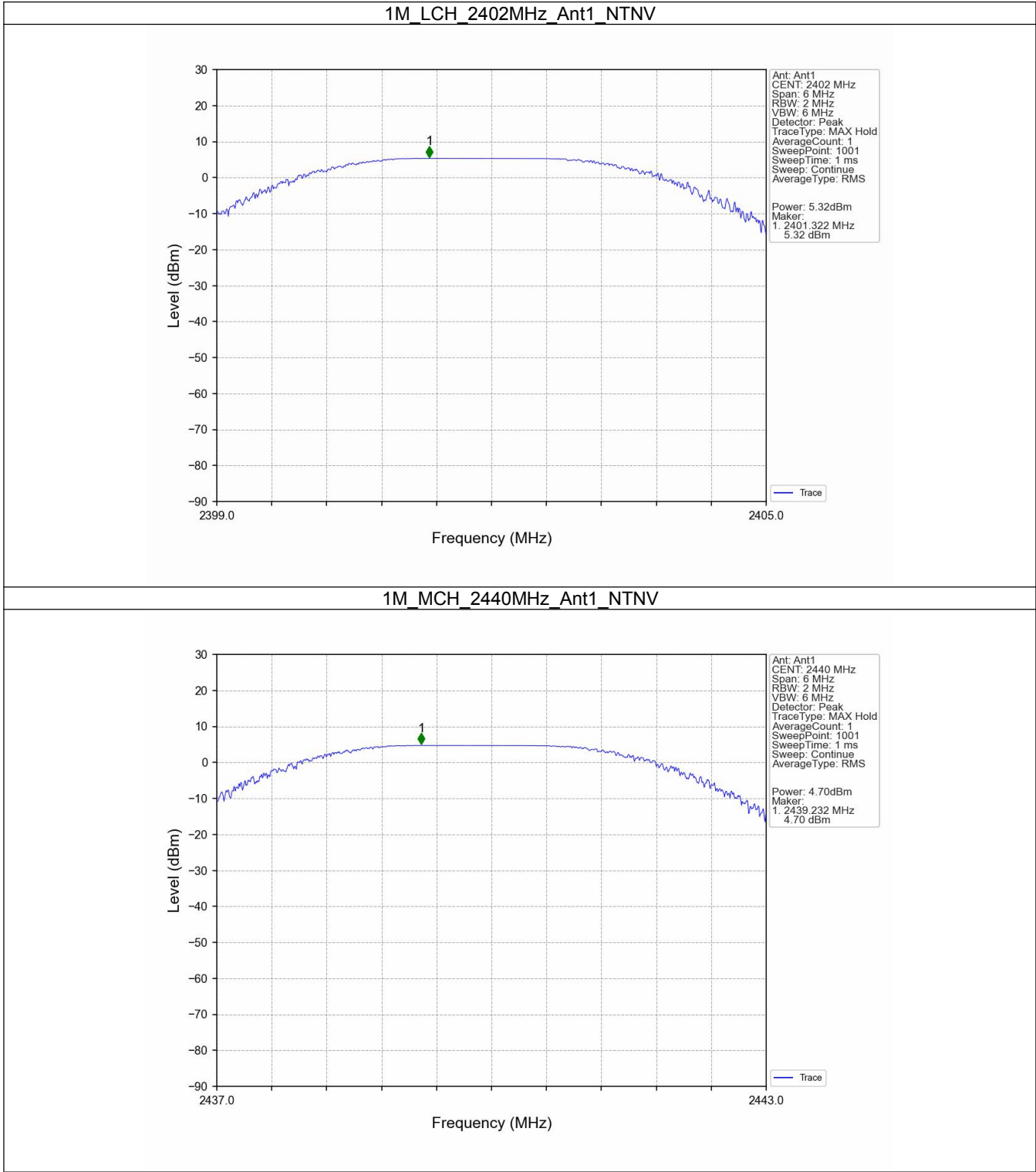
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	5.32	<=30	Pass
		2440	4.70	<=30	Pass
		2480	3.93	<=30	Pass
Note1: Antenna Gain: Ant1: -11.71dBi;					

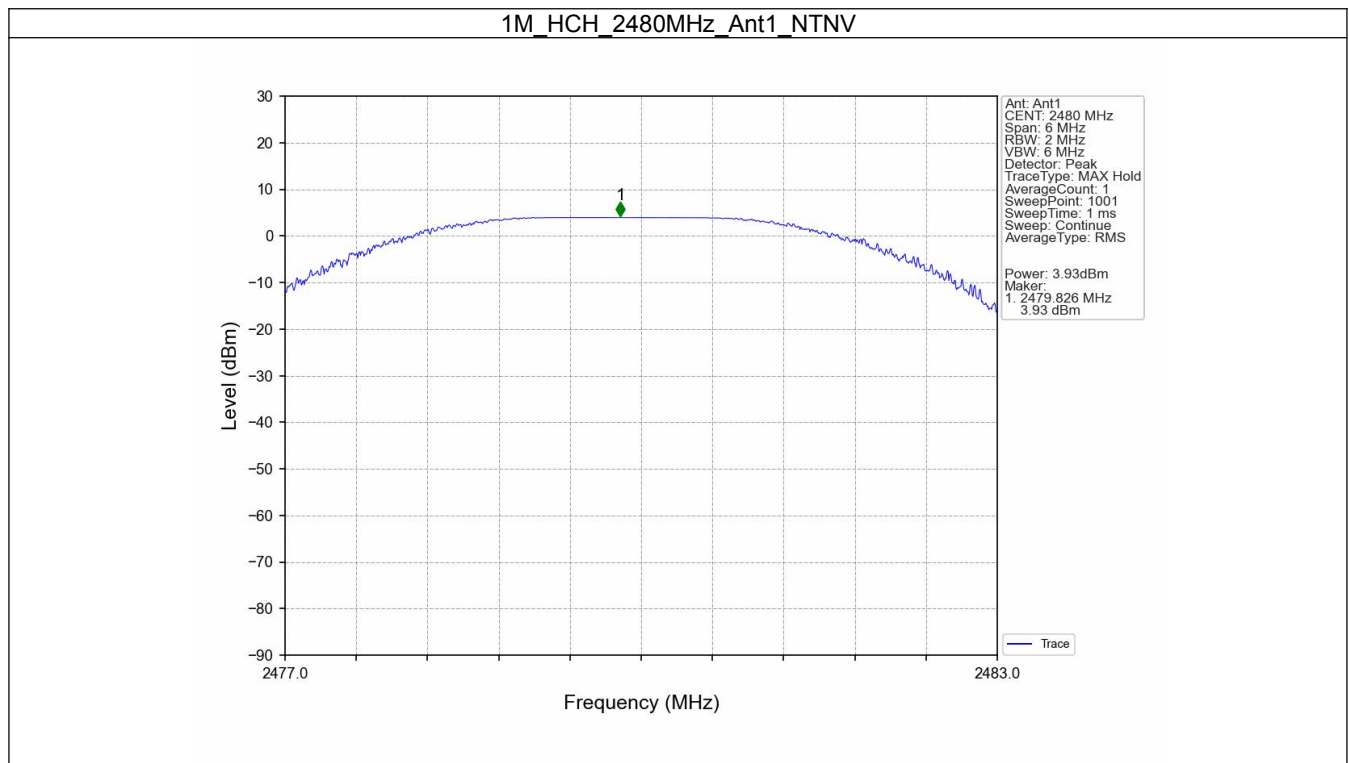
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3.2 Test Graph

3.2.1 Power



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4. Maximum Power Spectral Density

4.1 Test Result

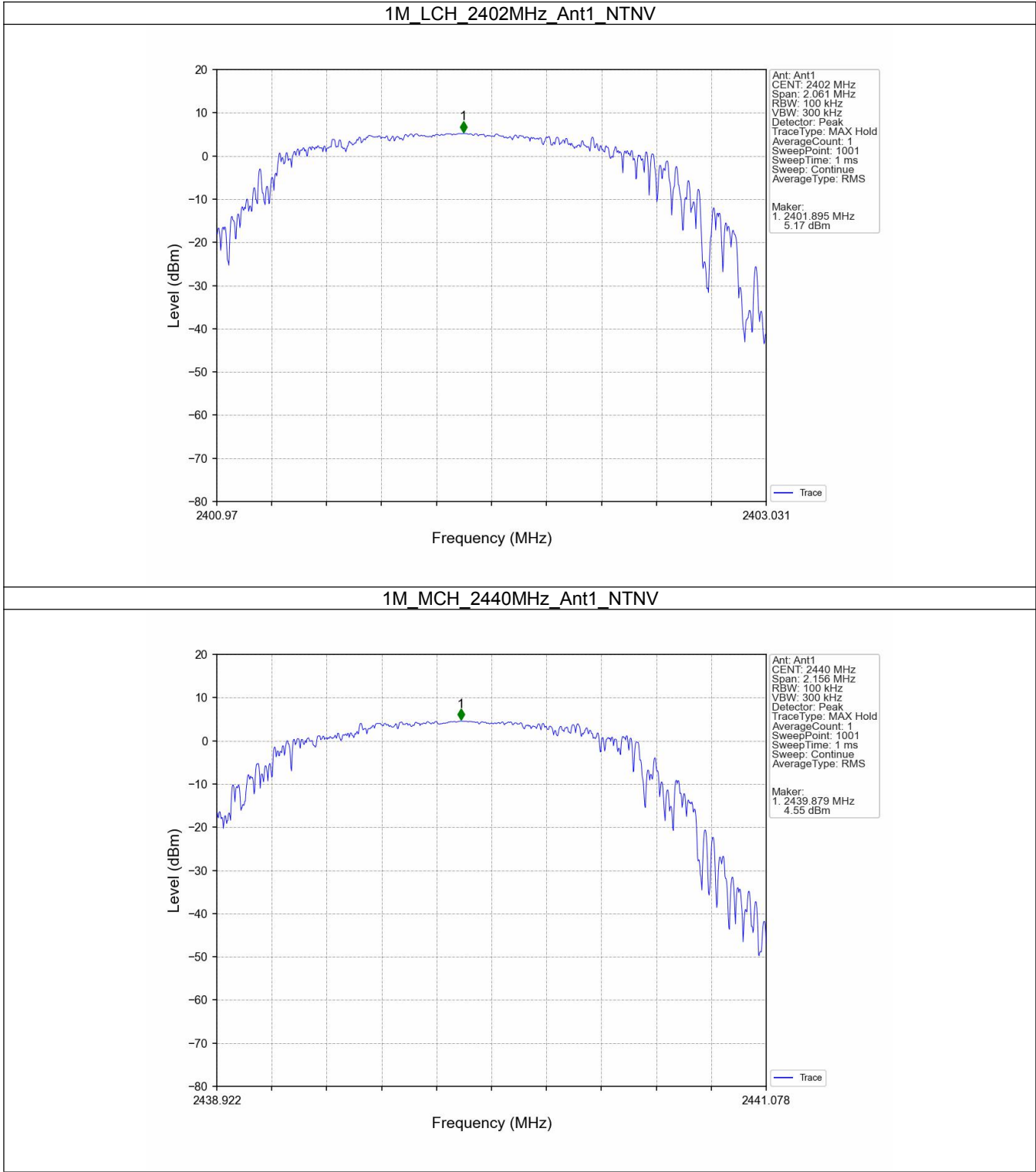
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	5.17	<=8	Pass
		2440	4.55	<=8	Pass
		2480	3.74	<=8	Pass
Note1: Antenna Gain: Ant1: -11.71dBi;					

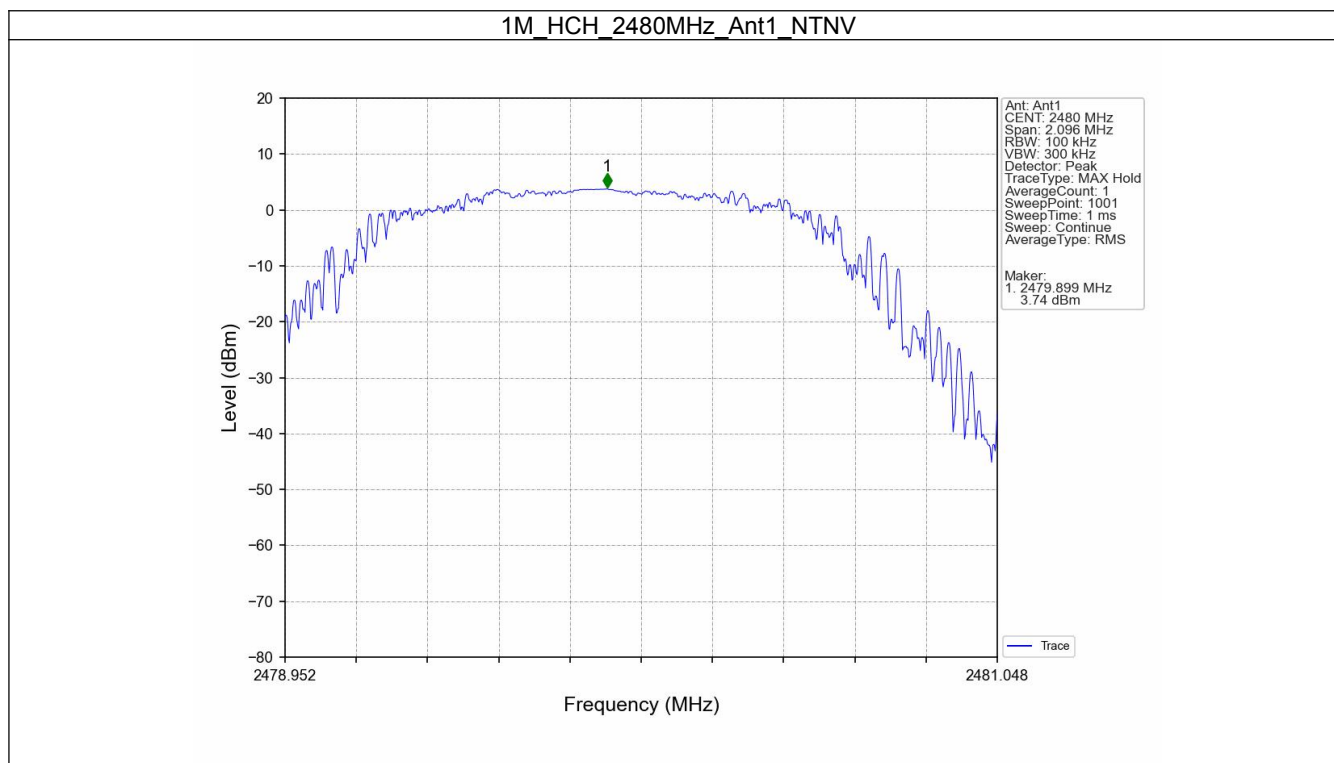
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4.2 Test Graph

4.2.1 PSD



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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	5.18
		2440	1	4.52
		2480	1	3.72

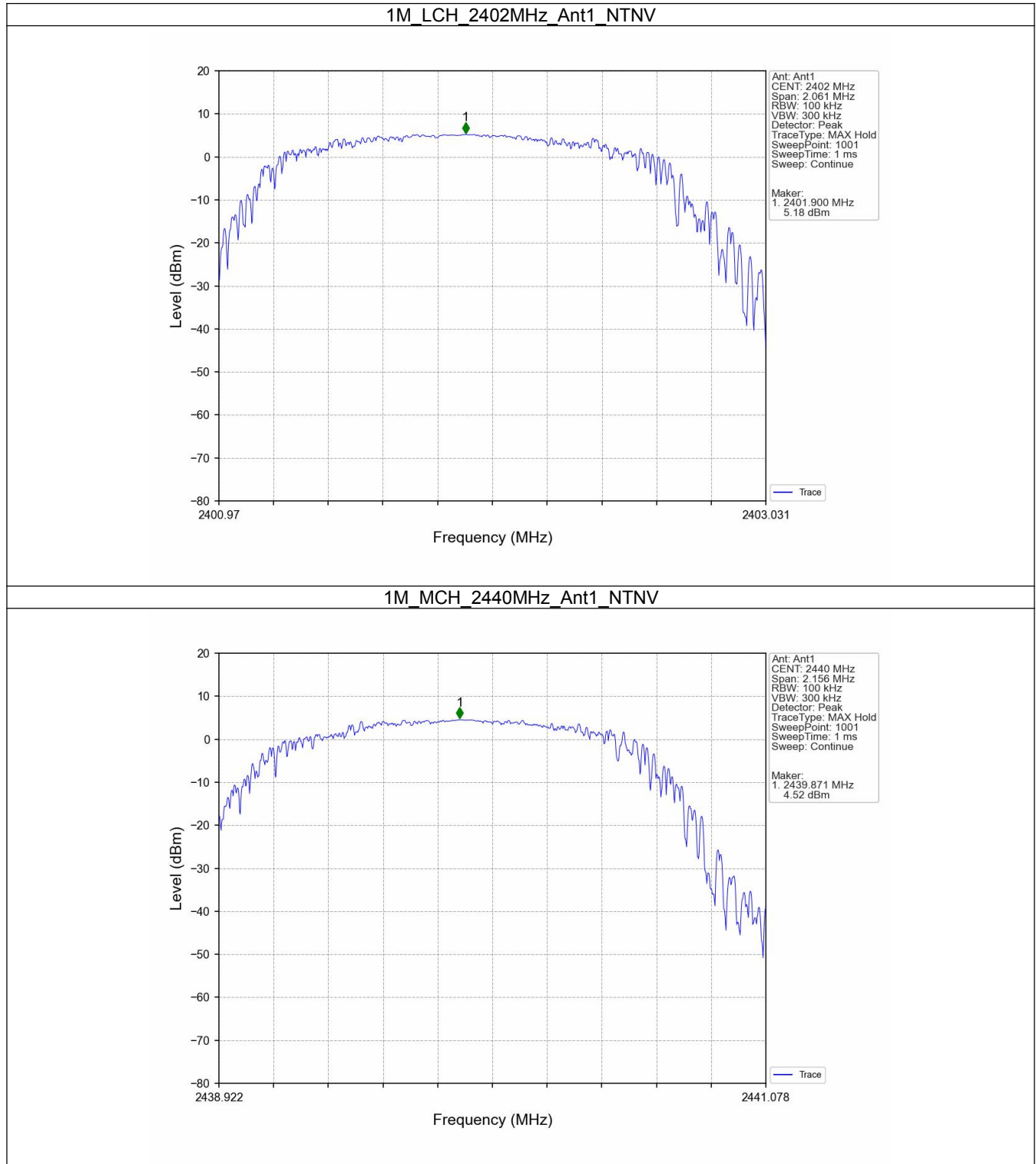
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	5.18	-14.82	Pass
		2440	1	5.18	-14.82	Pass
		2480	1	5.18	-14.82	Pass

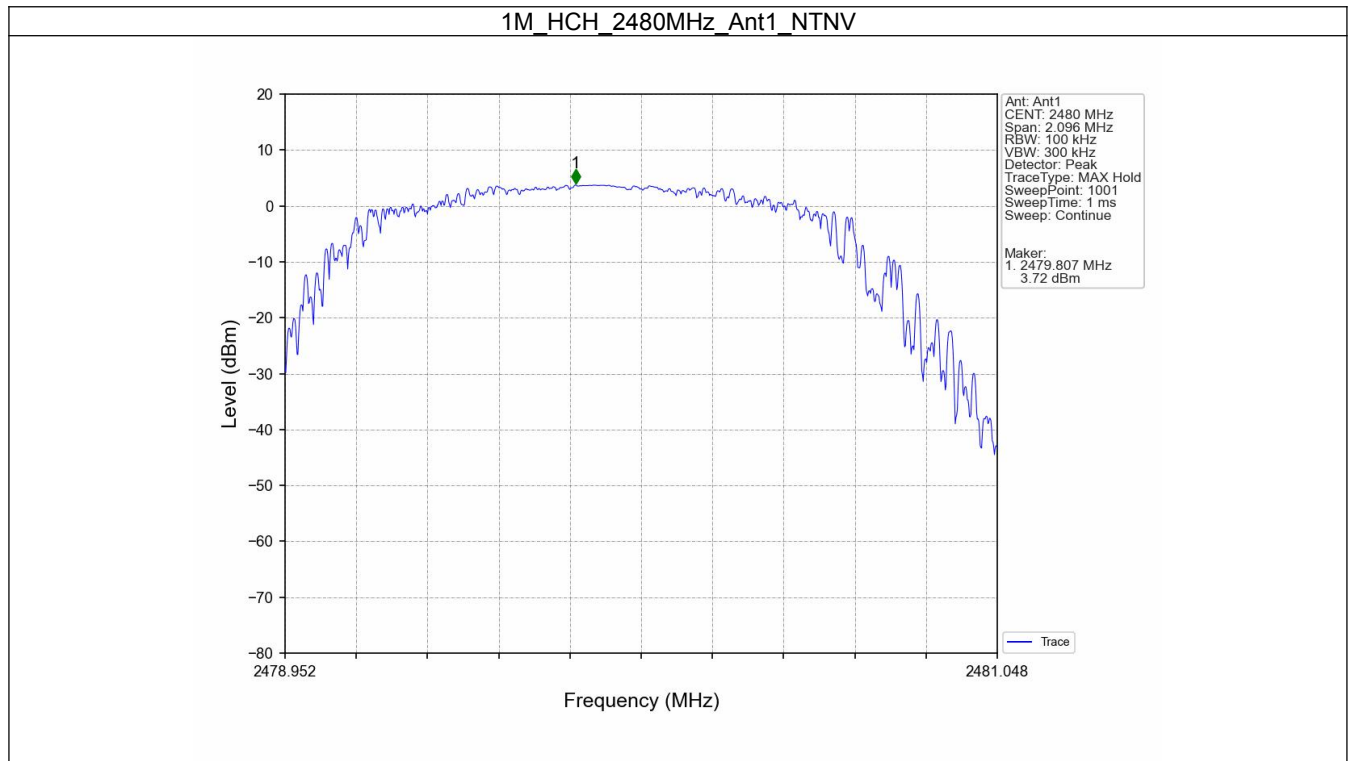
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5.2 Test Graph

5.2.1 Ref

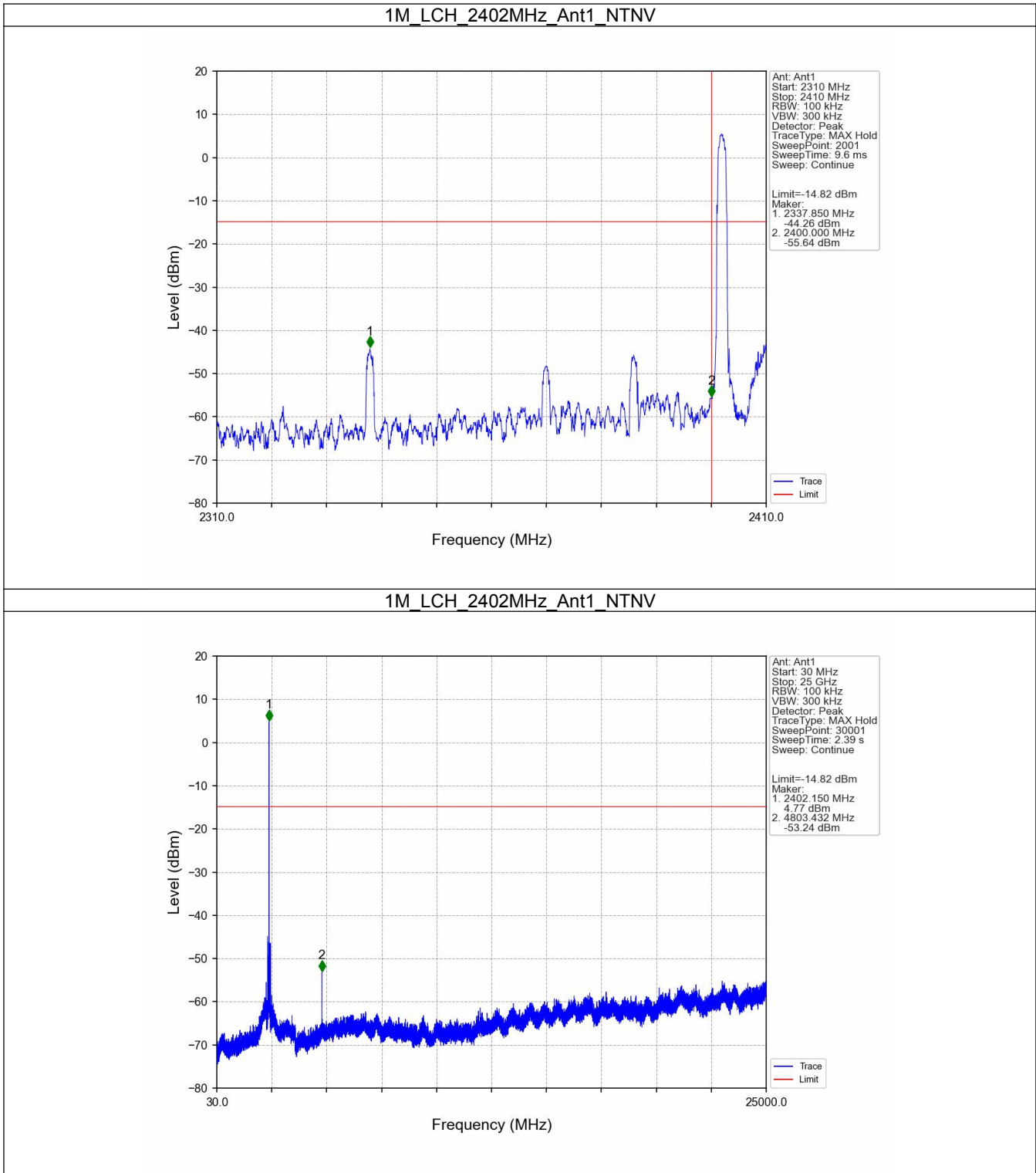


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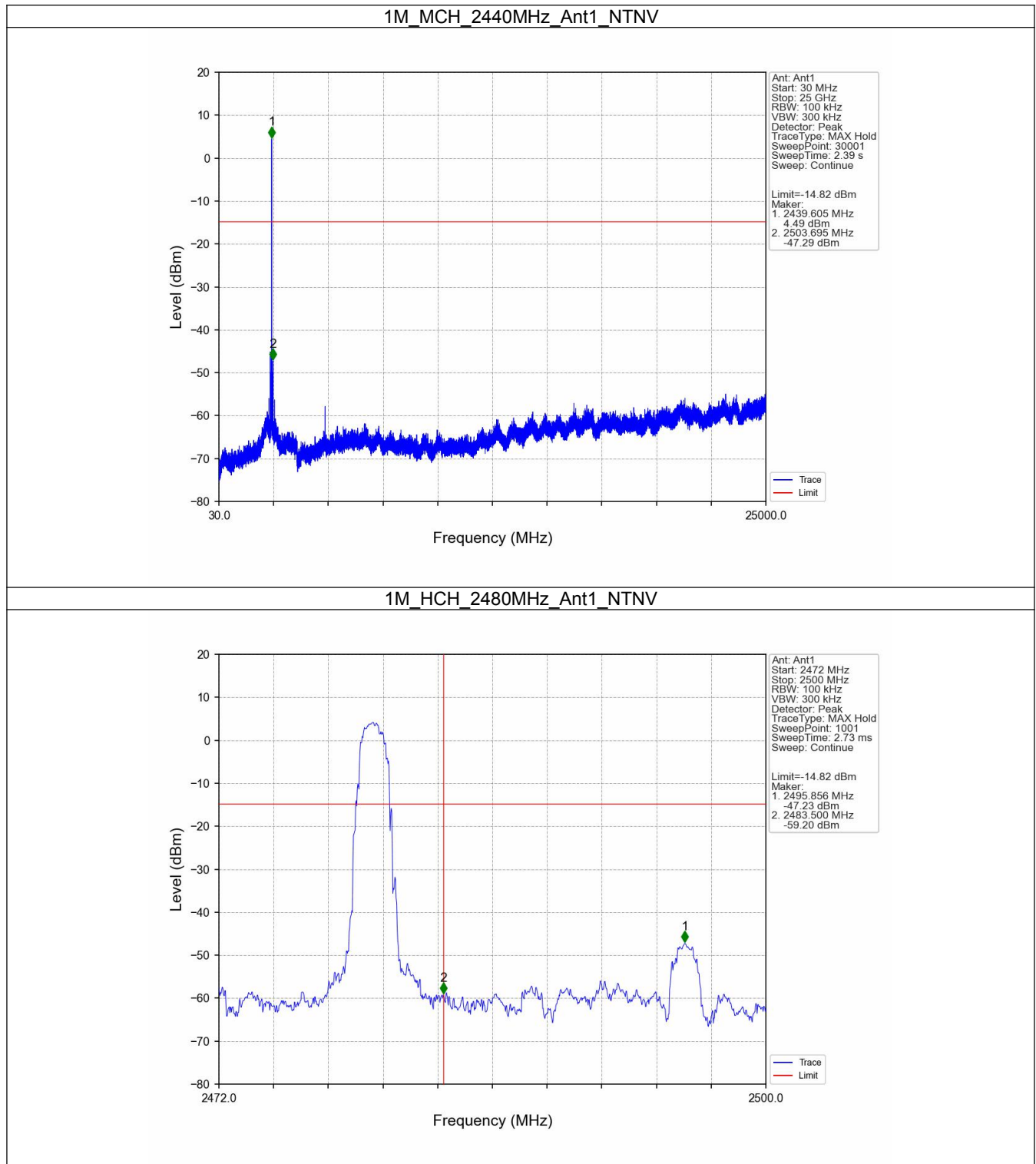


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5.2.2 CSE



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