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Annex for Bluetooth Low Energy

Test Report No.: CTL2607238021-WF01

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FCC ID: 2BXU2E130

1. Duty Cycle

1.1 Test Result

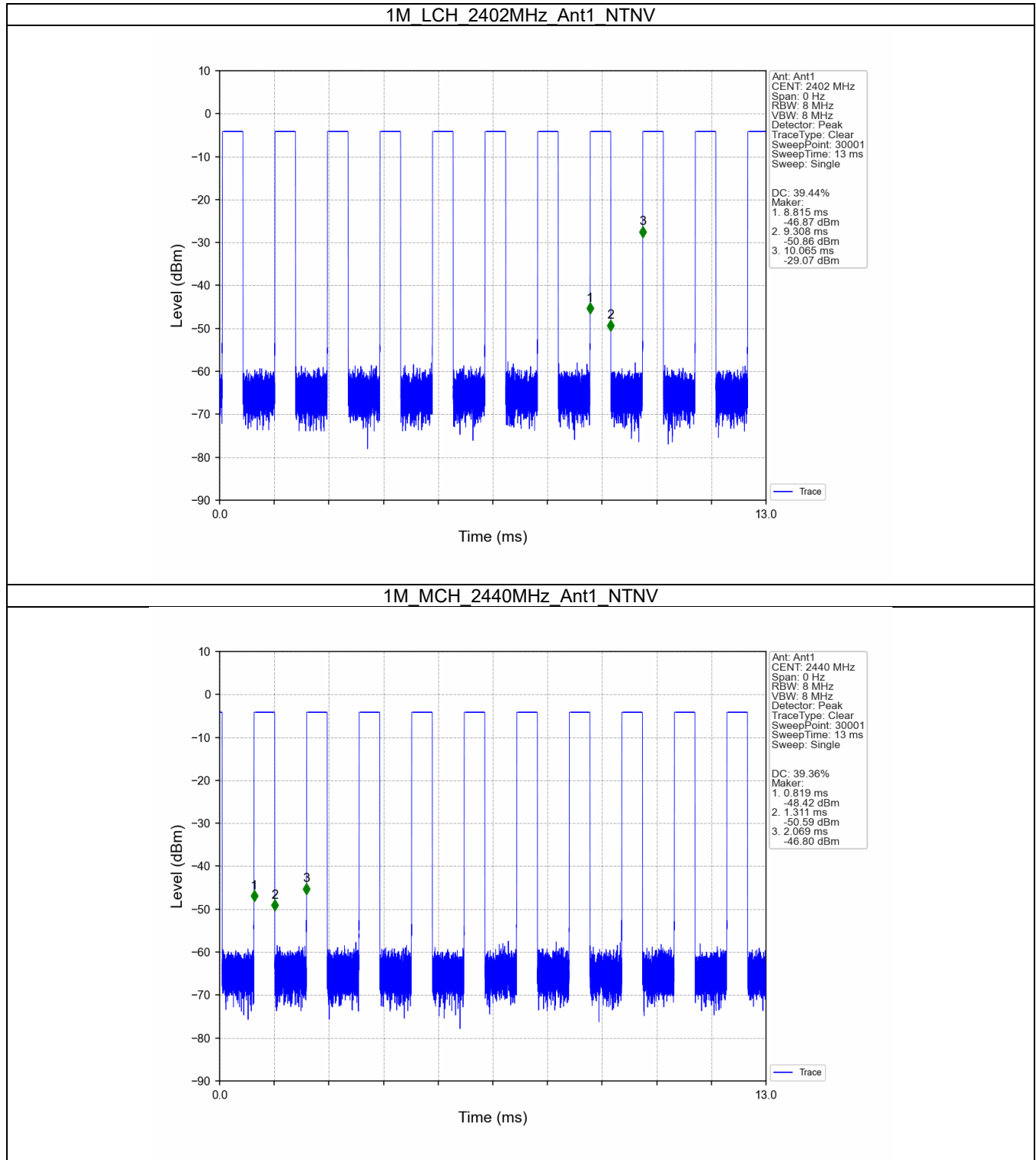
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.493	1.250	39.44	4.04	0.05
		2440	0.492	1.250	39.36	4.05	0.07
		2480	0.492	1.250	39.36	4.05	0.05
2M	SISO	2402	0.281	0.625	44.96	3.47	0.08
		2440	0.280	0.625	44.80	3.49	0.04
		2480	0.280	0.625	44.80	3.49	0.06

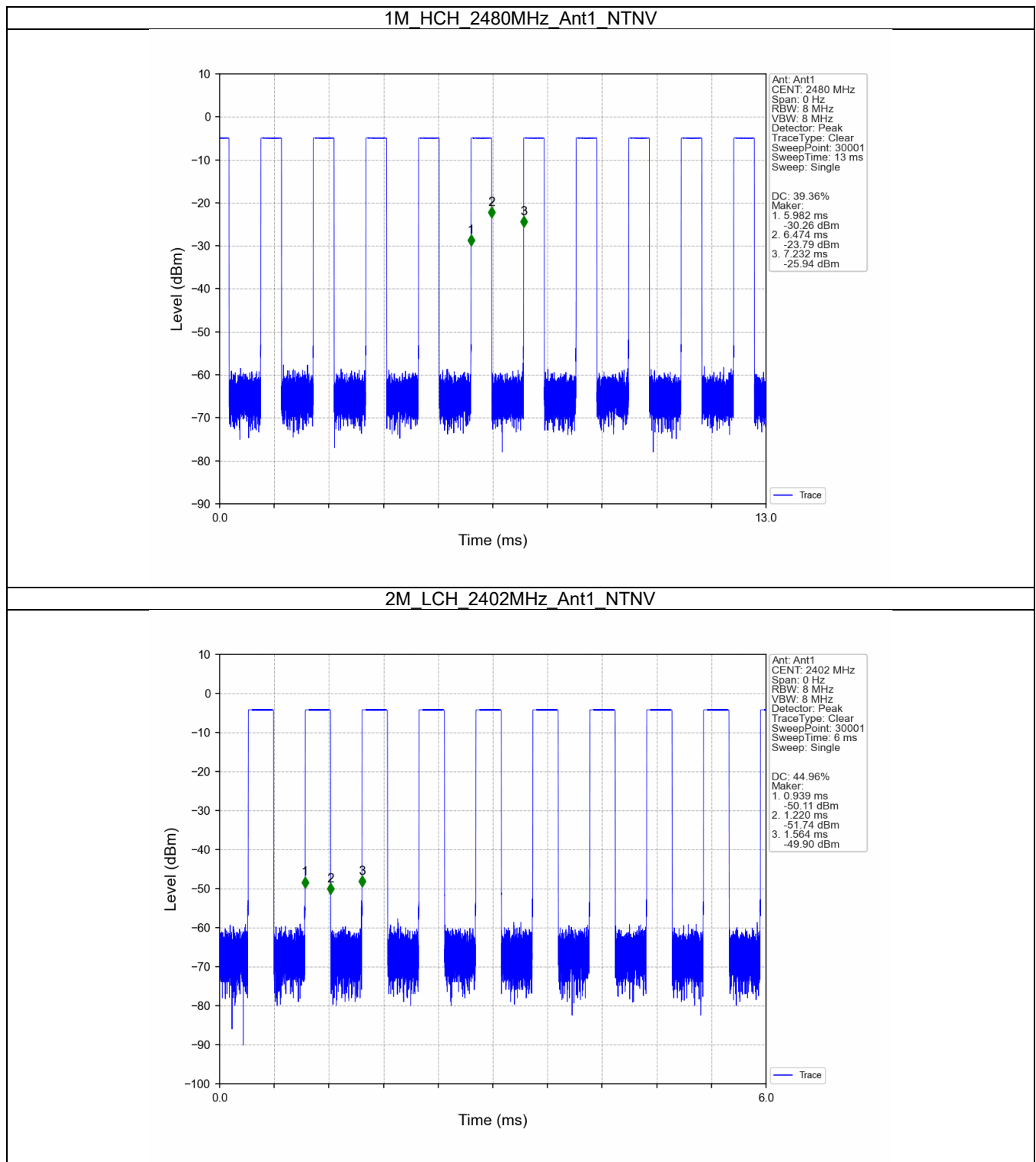
FCC ID: 2BXU2E130

1.2 Test Graph

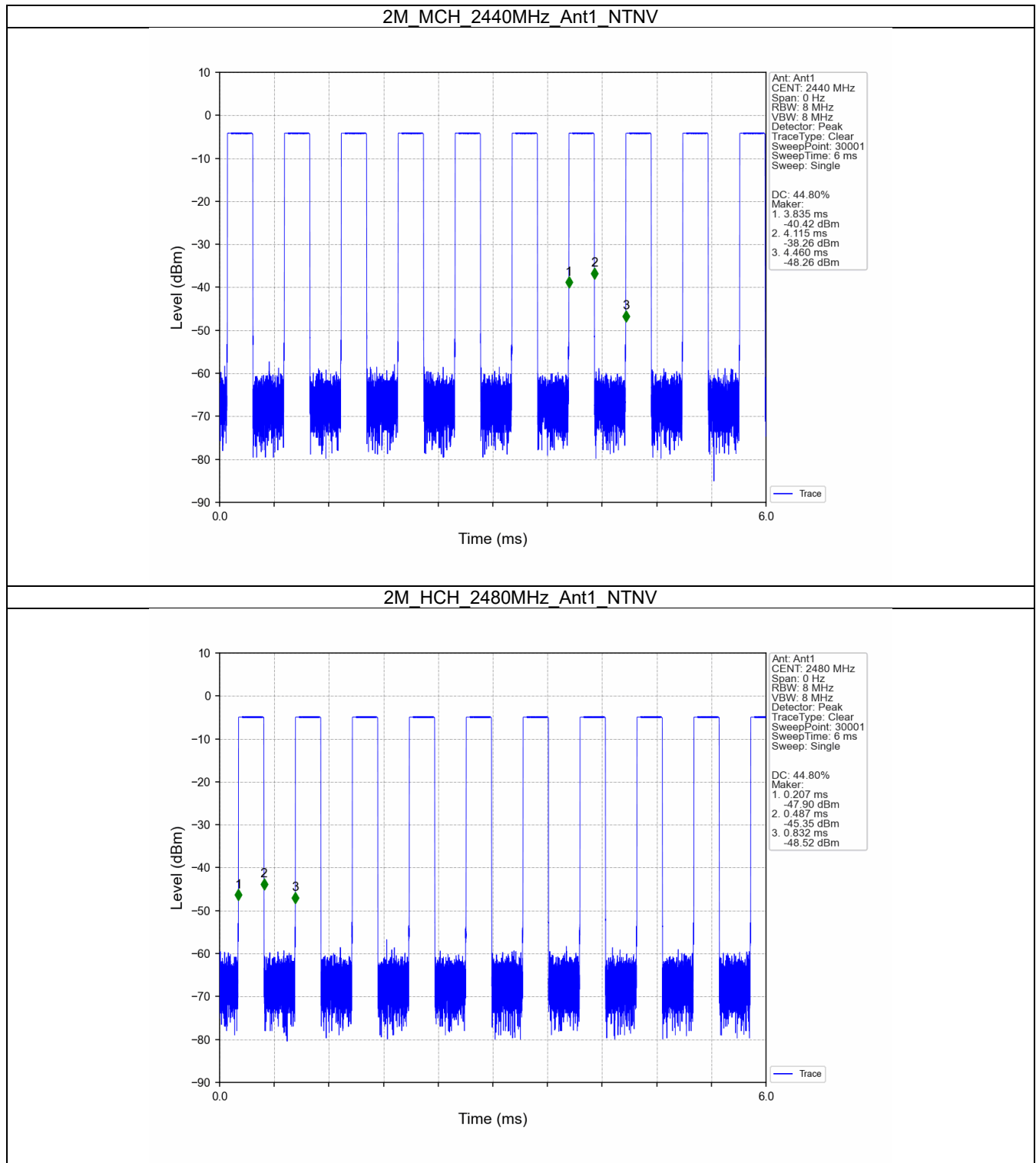
1.2.1 Ant1



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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	1.001	/	Pass
		2440	1	1.000	/	Pass
		2480	1	0.998	/	Pass
2M	SISO	2402	1	1.952	/	Pass
		2440	1	1.958	/	Pass
		2480	1	1.971	/	Pass

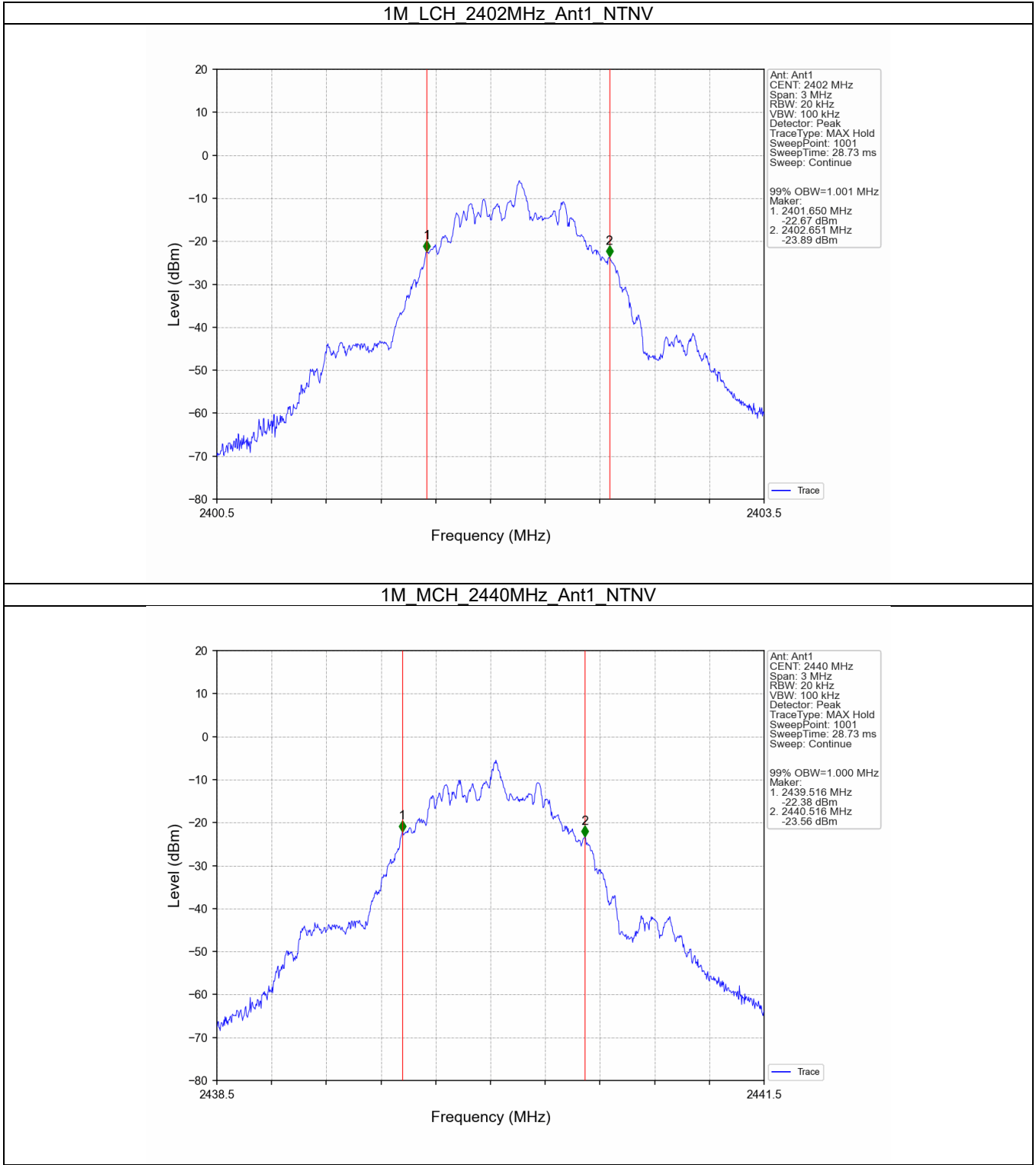
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.698	≥ 0.5	Pass
		2440	1	0.699	≥ 0.5	Pass
		2480	1	0.699	≥ 0.5	Pass
2M	SISO	2402	1	1.191	≥ 0.5	Pass
		2440	1	1.204	≥ 0.5	Pass
		2480	1	1.208	≥ 0.5	Pass

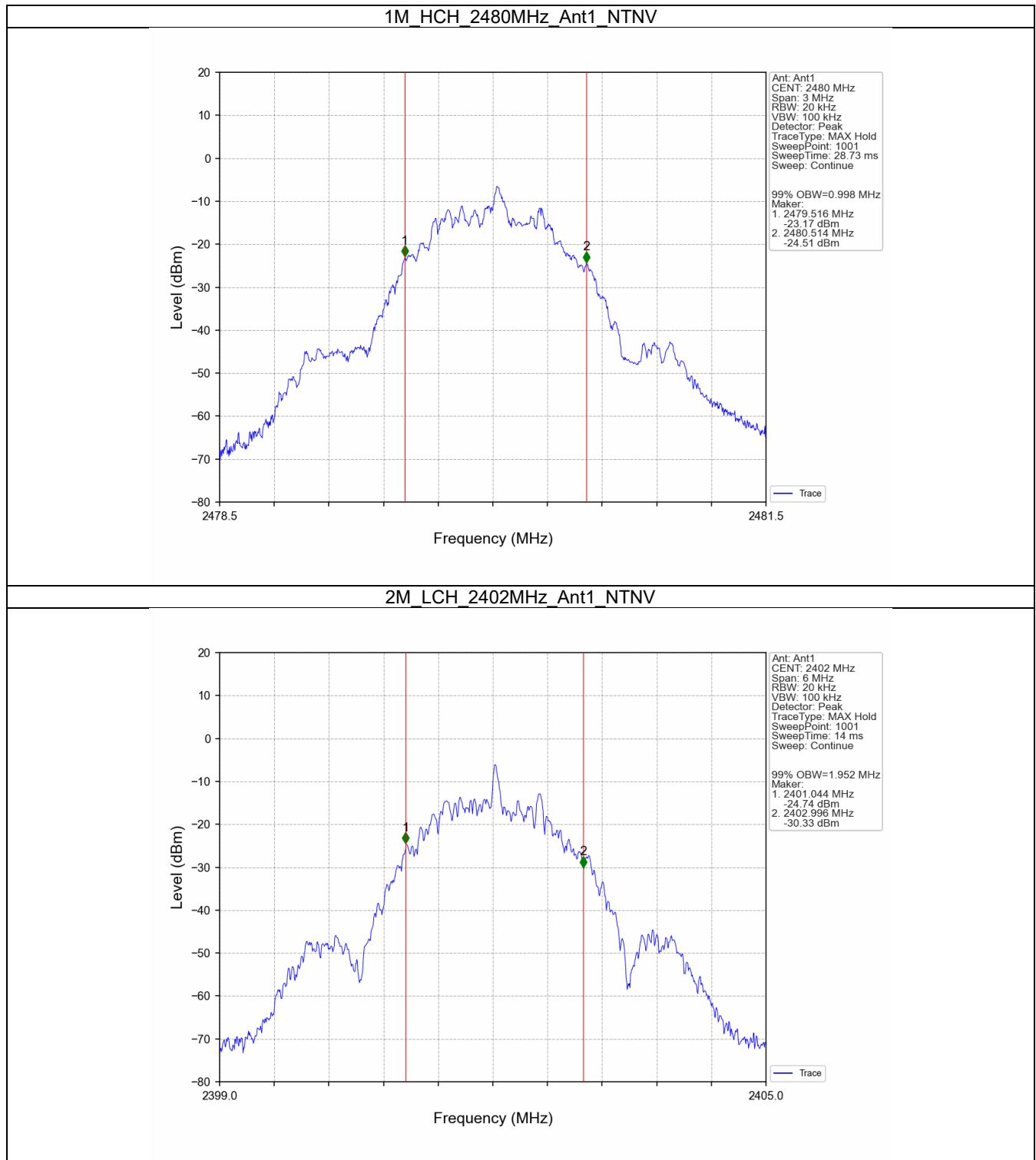
FCC ID: 2BXU2E130

2.2 Test Graph

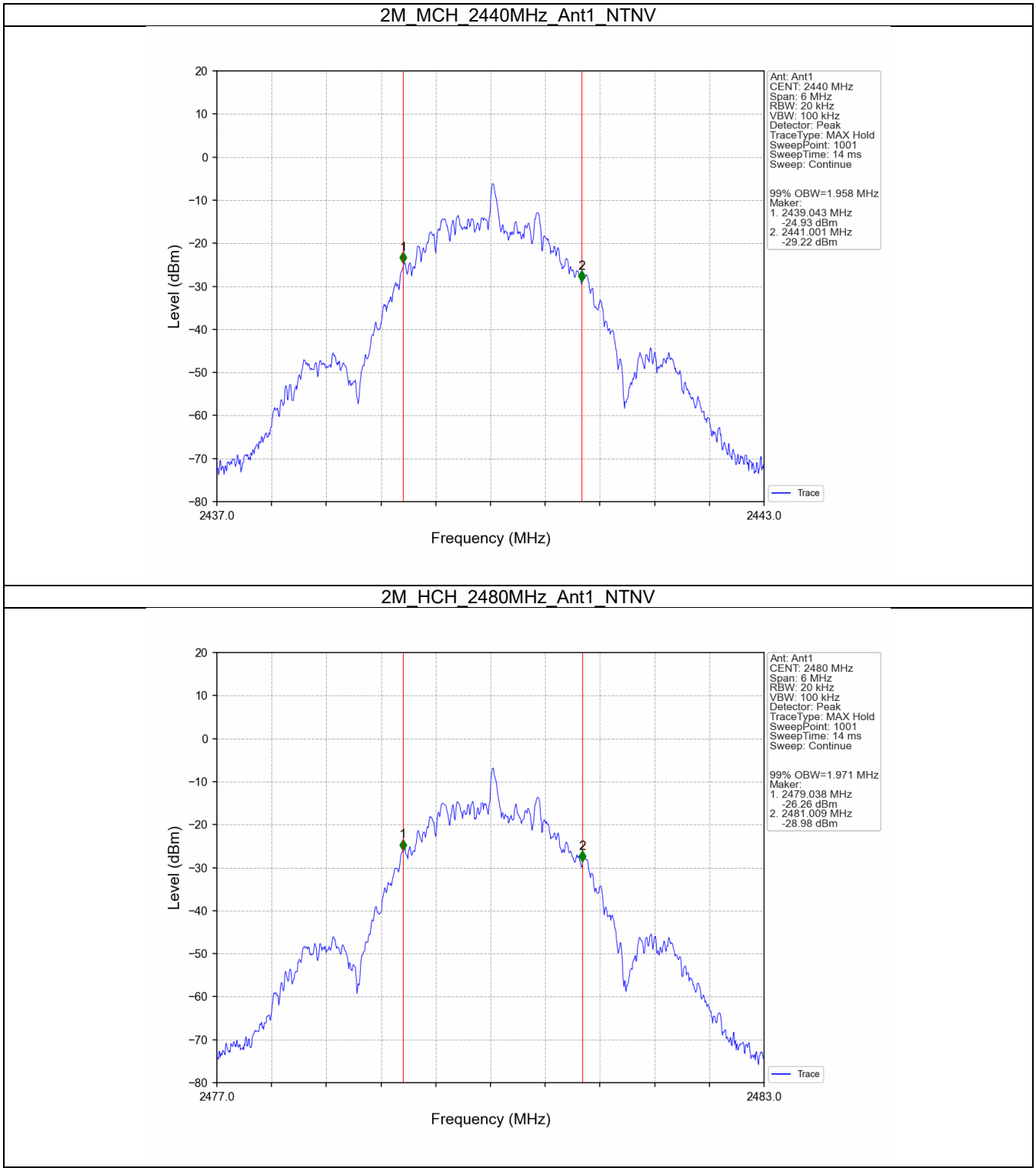
2.2.1 OBW



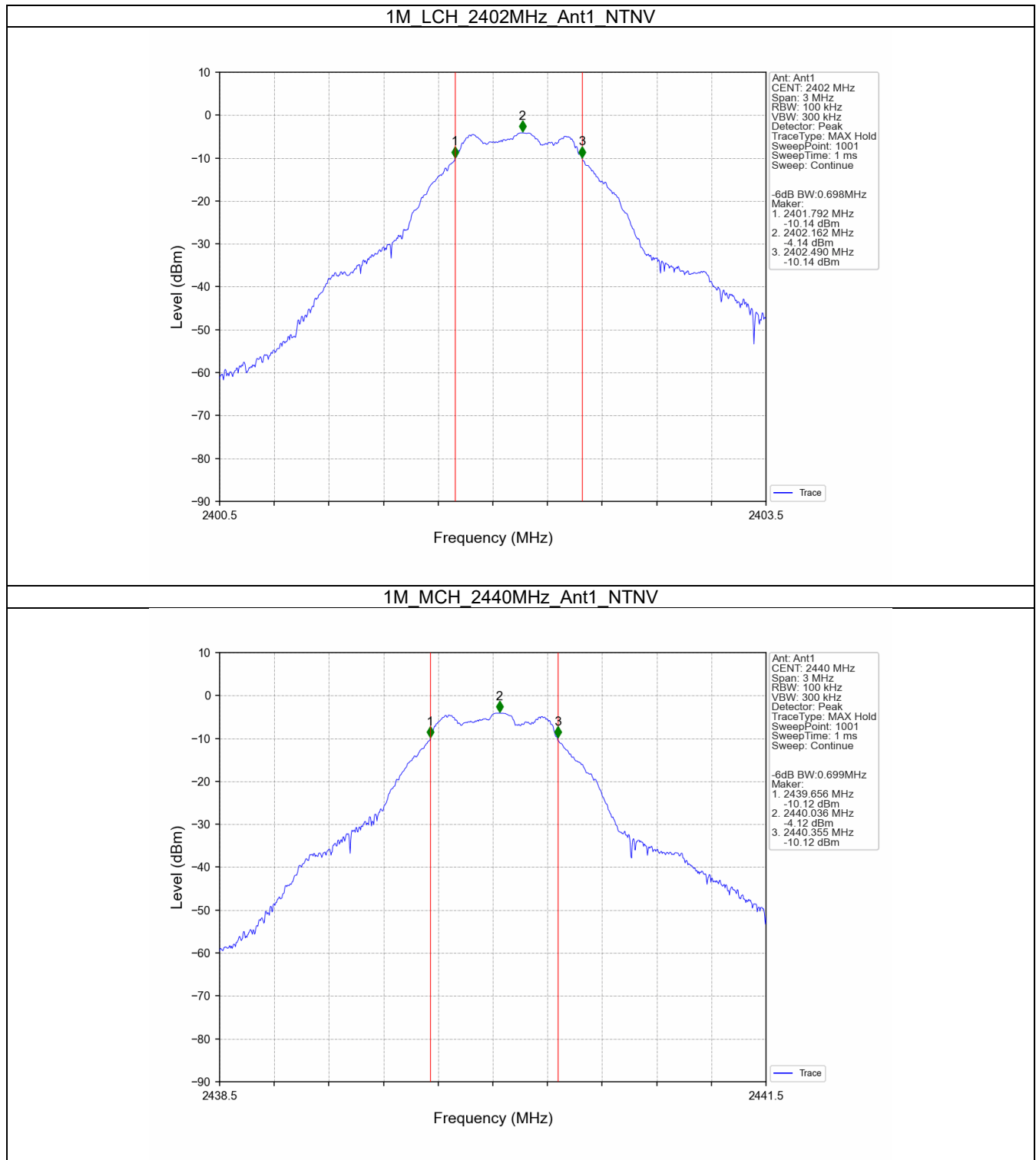
FCC ID: 2BXU2E130



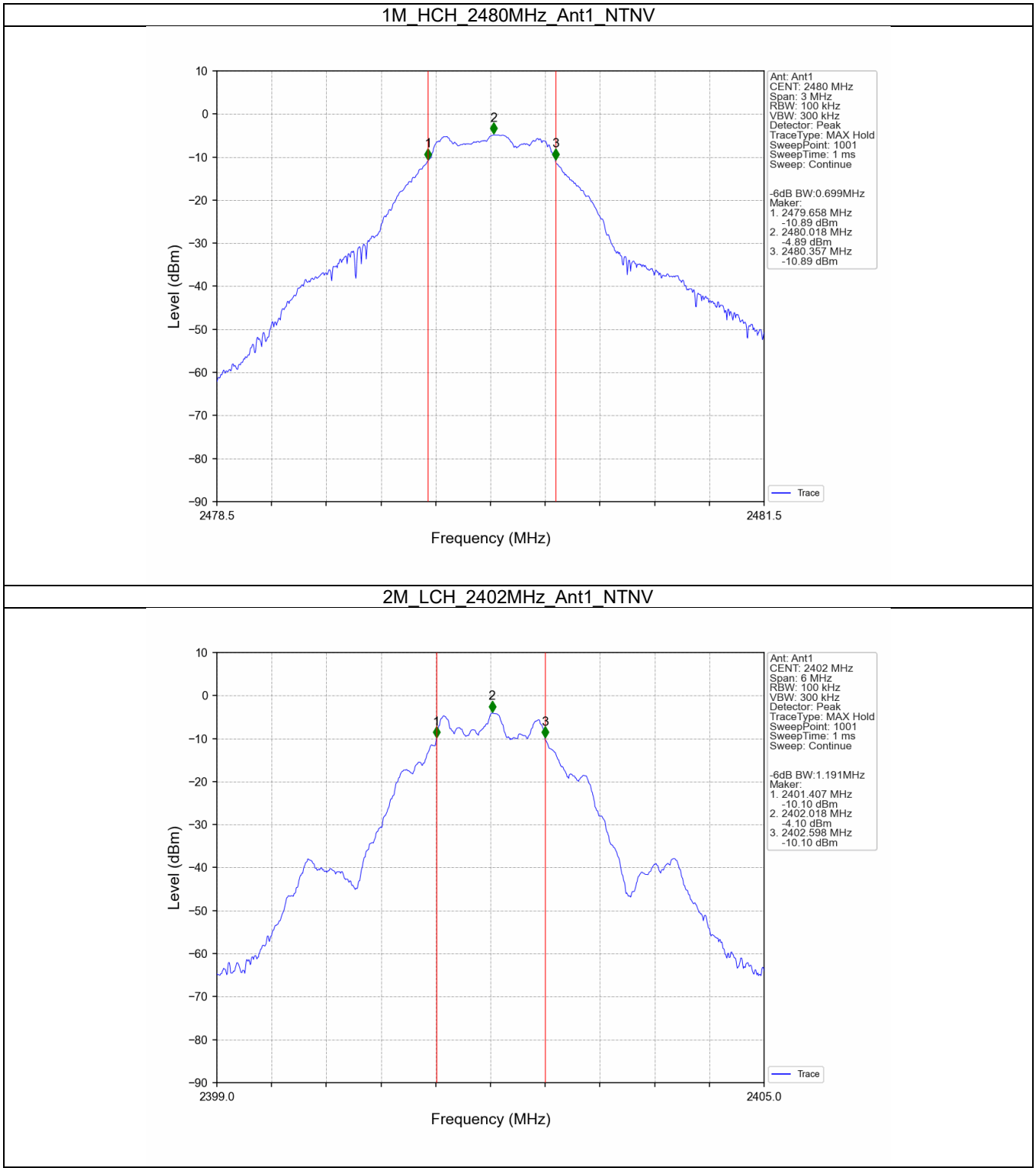
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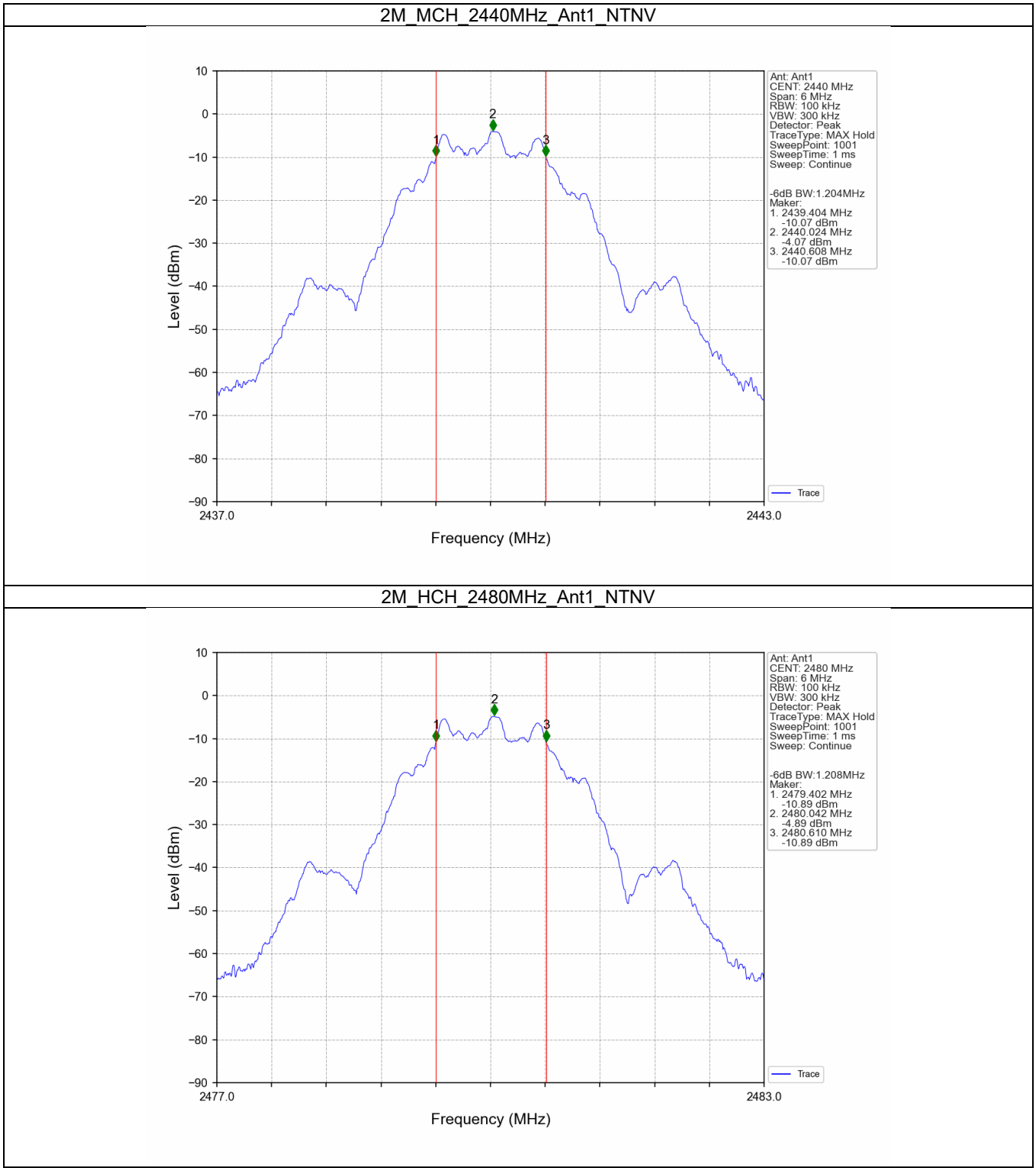
FCC ID: 2BXU2E130

2.2.2 6dB BW

FCC ID: 2BXU2E130



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FCC ID: 2BXU2E130

3. Maximum Conducted Output Power

3.1 Test Result

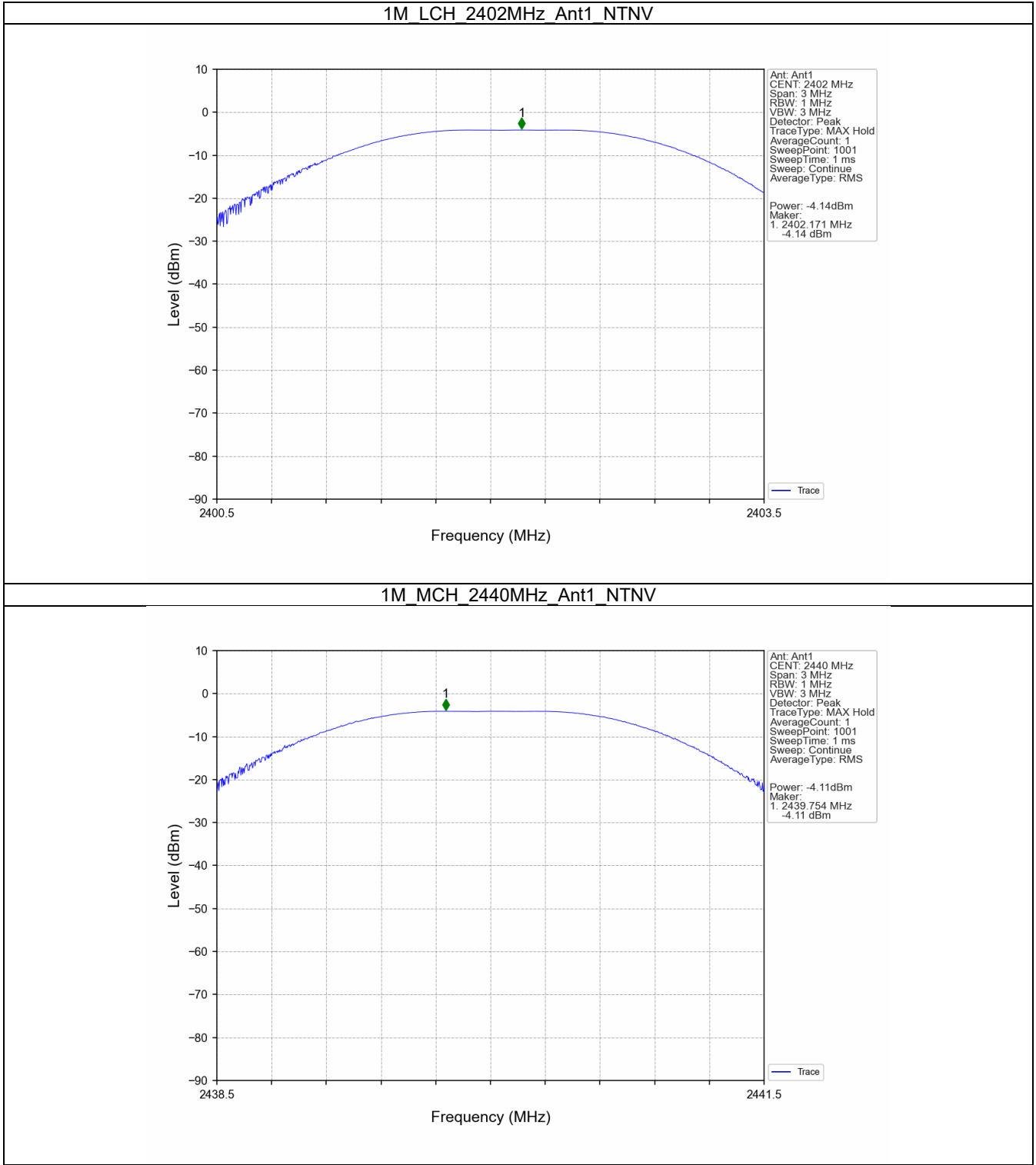
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-4.14	<=30	Pass
		2440	-4.11	<=30	Pass
		2480	-4.88	<=30	Pass
2M	SISO	2402	-4.14	<=30	Pass
		2440	-4.12	<=30	Pass
		2480	-4.87	<=30	Pass
Note1: Antenna Gain: Ant1: 2.90dBi;					

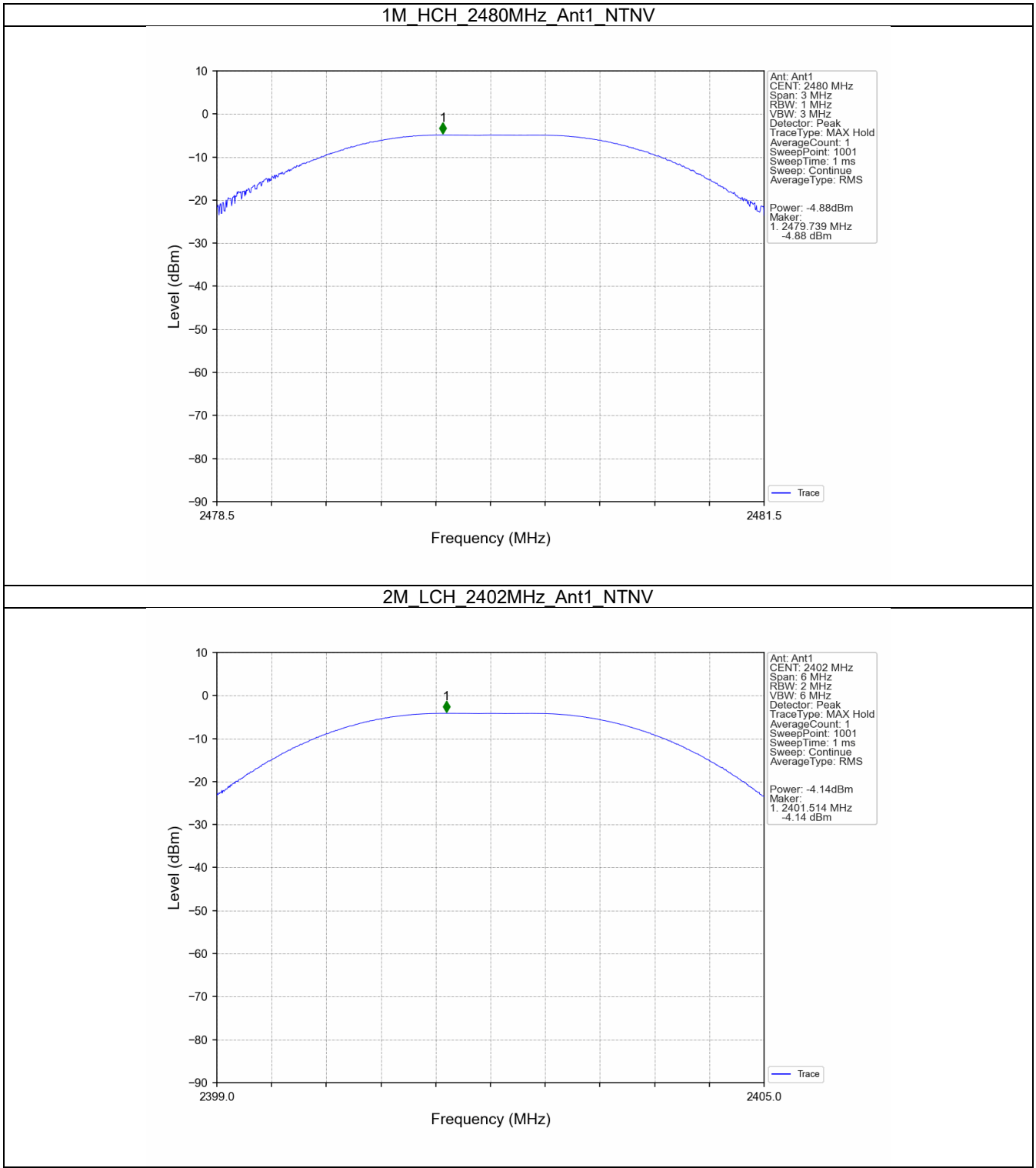
FCC ID: 2BXU2E130

3.2 Test Graph

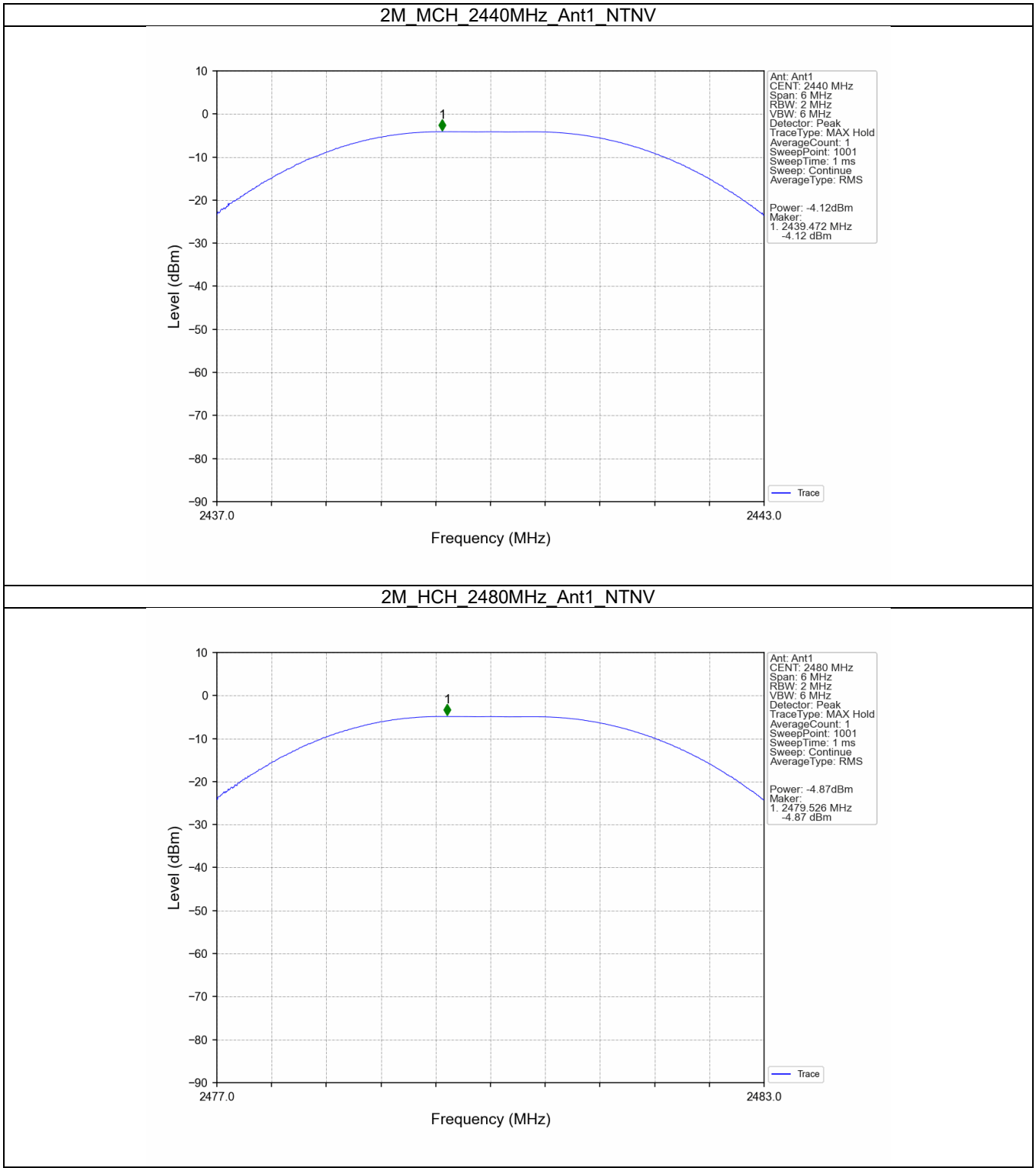
3.2.1 Power



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4. Maximum Power Spectral Density

4.1 Test Result

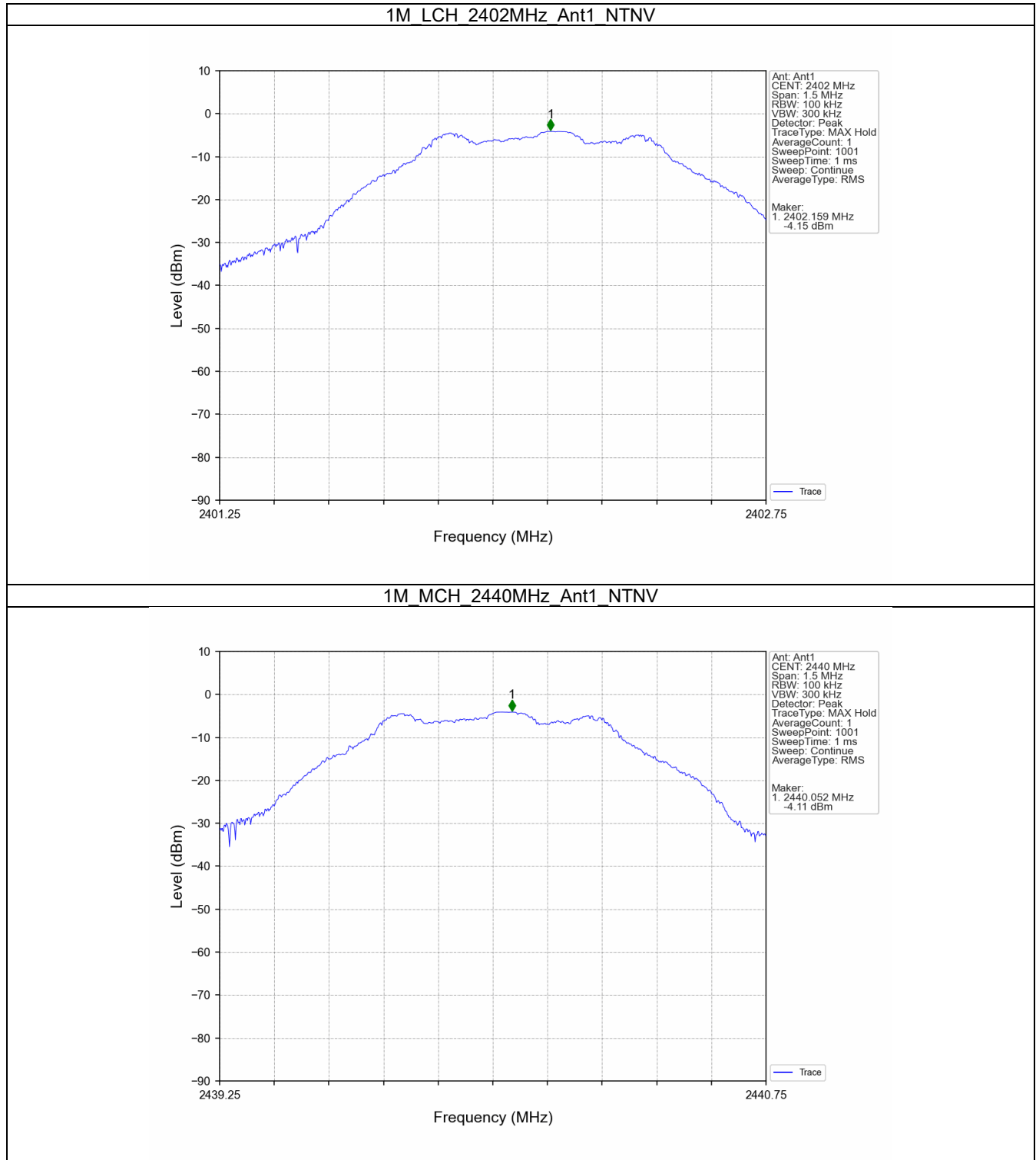
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-4.15dBm/100kHz	<=8	Pass
		2440	-4.11dBm/100kHz	<=8	Pass
		2480	-4.90dBm/100kHz	<=8	Pass
2M	SISO	2402	-4.14dBm/100kHz	<=8	Pass
		2440	-4.12dBm/100kHz	<=8	Pass
		2480	-4.89dBm/100kHz	<=8	Pass
Note1: Antenna Gain: Ant1: 2.90dBi;					

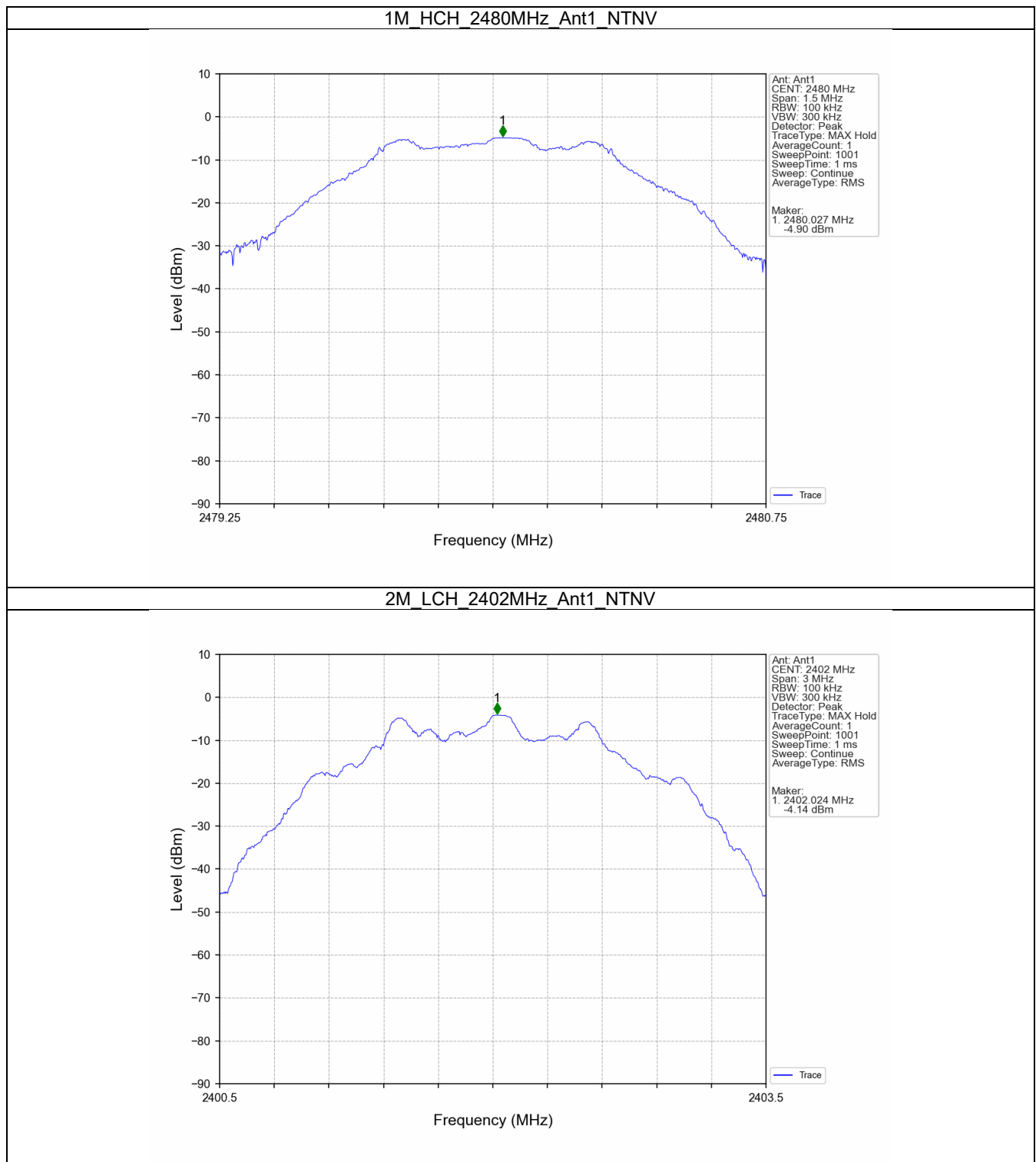
FCC ID: 2BXU2E130

4.2 Test Graph

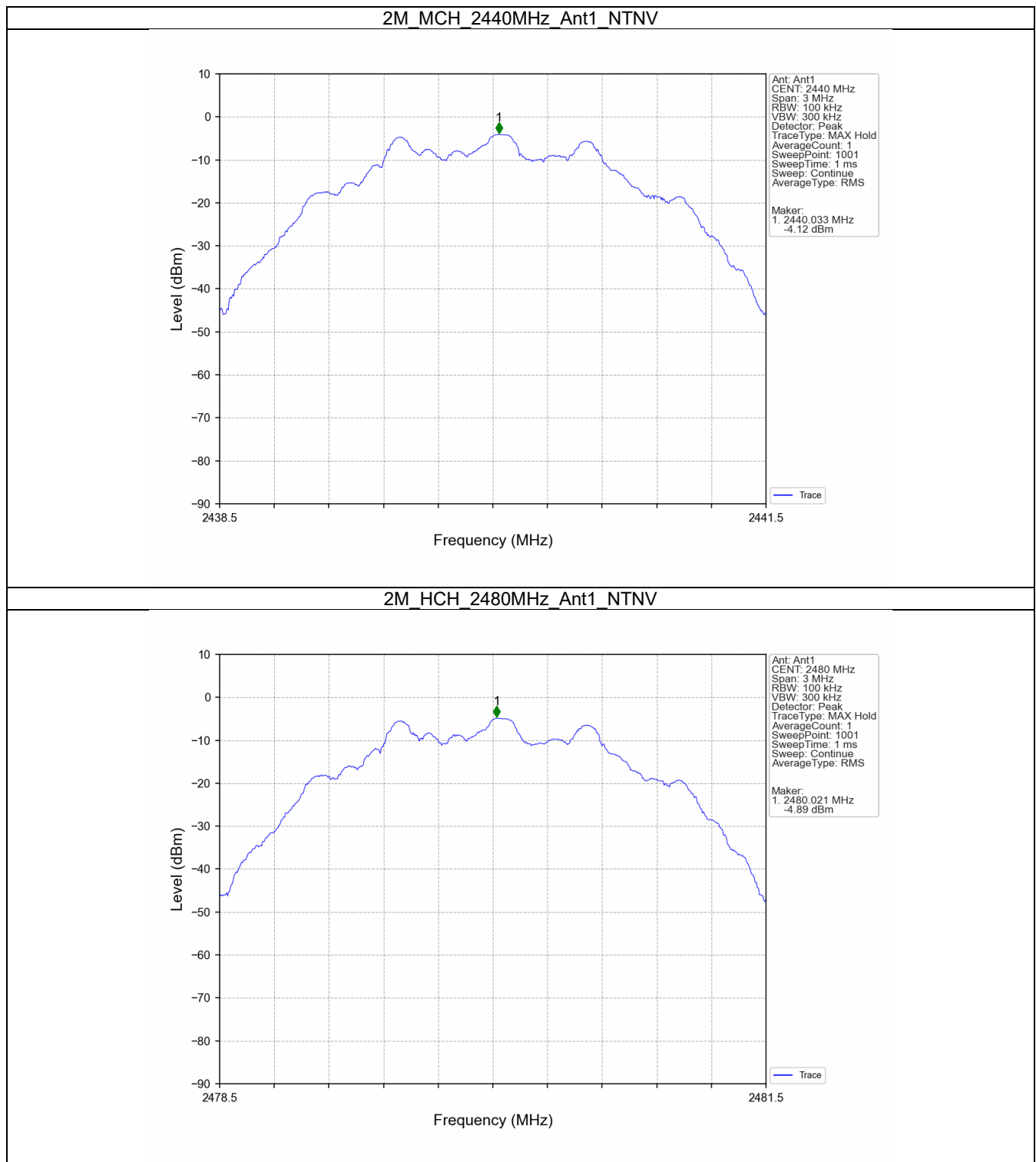
4.2.1 PSD



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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	-4.14
		2440	1	-4.12
		2480	1	-4.90
2M	SISO	2402	1	-4.13
		2440	1	-4.10
		2480	1	-4.89

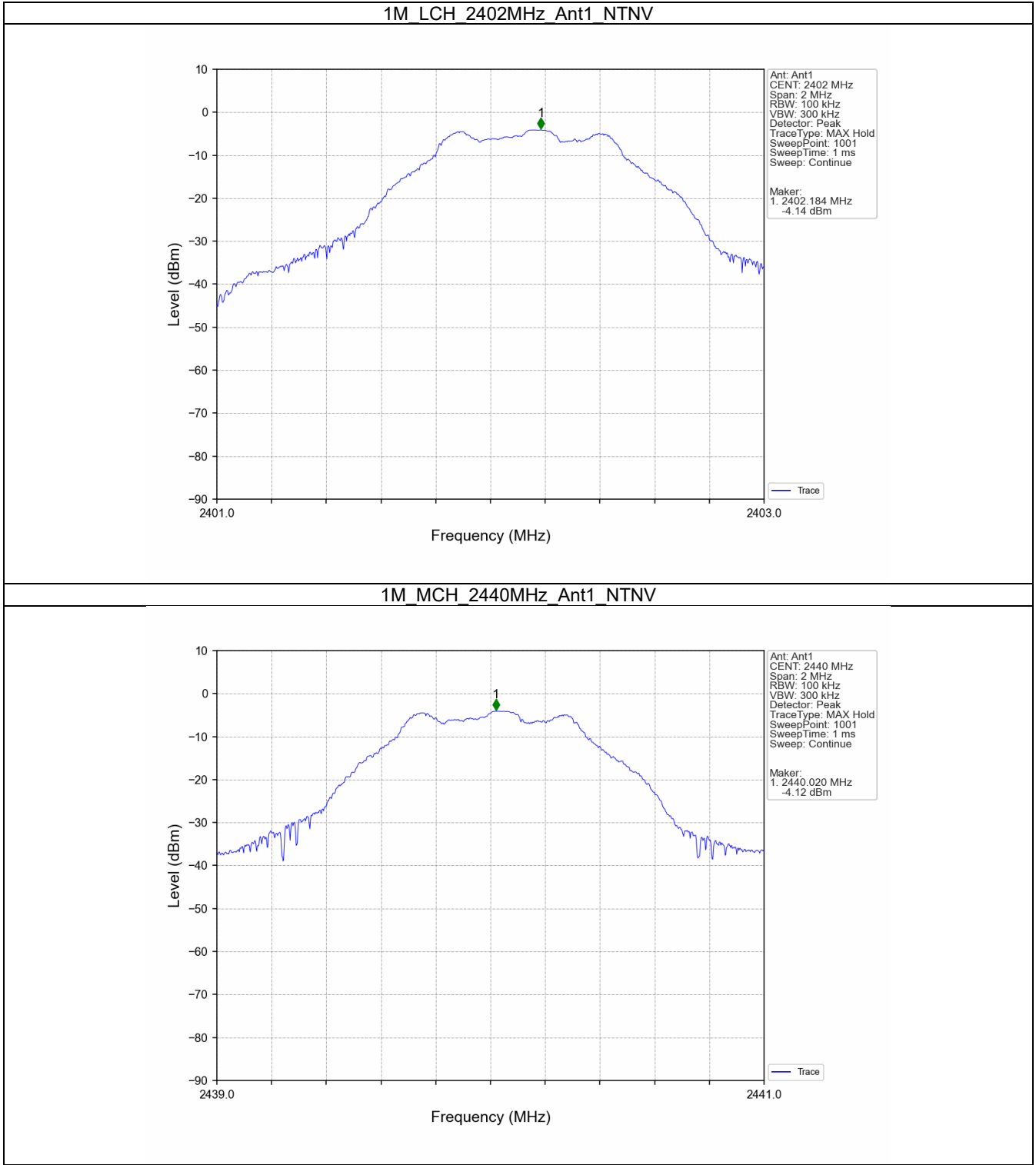
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-4.14	-24.14	Pass
		2440	1	-4.12	-24.12	Pass
		2480	1	-4.90	-24.90	Pass
2M	SISO	2402	1	-4.13	-24.13	Pass
		2440	1	-4.10	-24.10	Pass
		2480	1	-4.89	-24.89	Pass

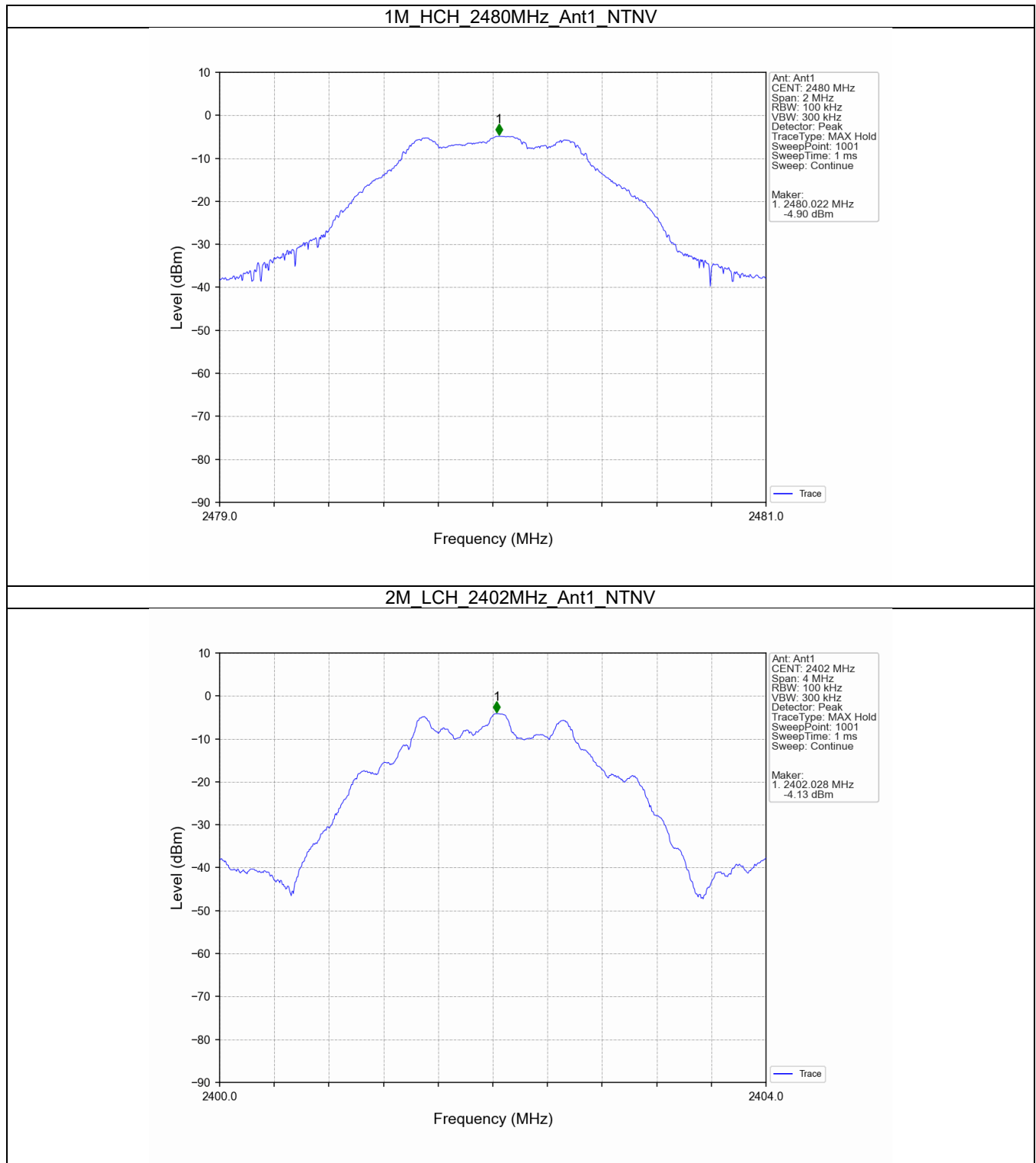
FCC ID: 2BXU2E130

5.2 Test Graph

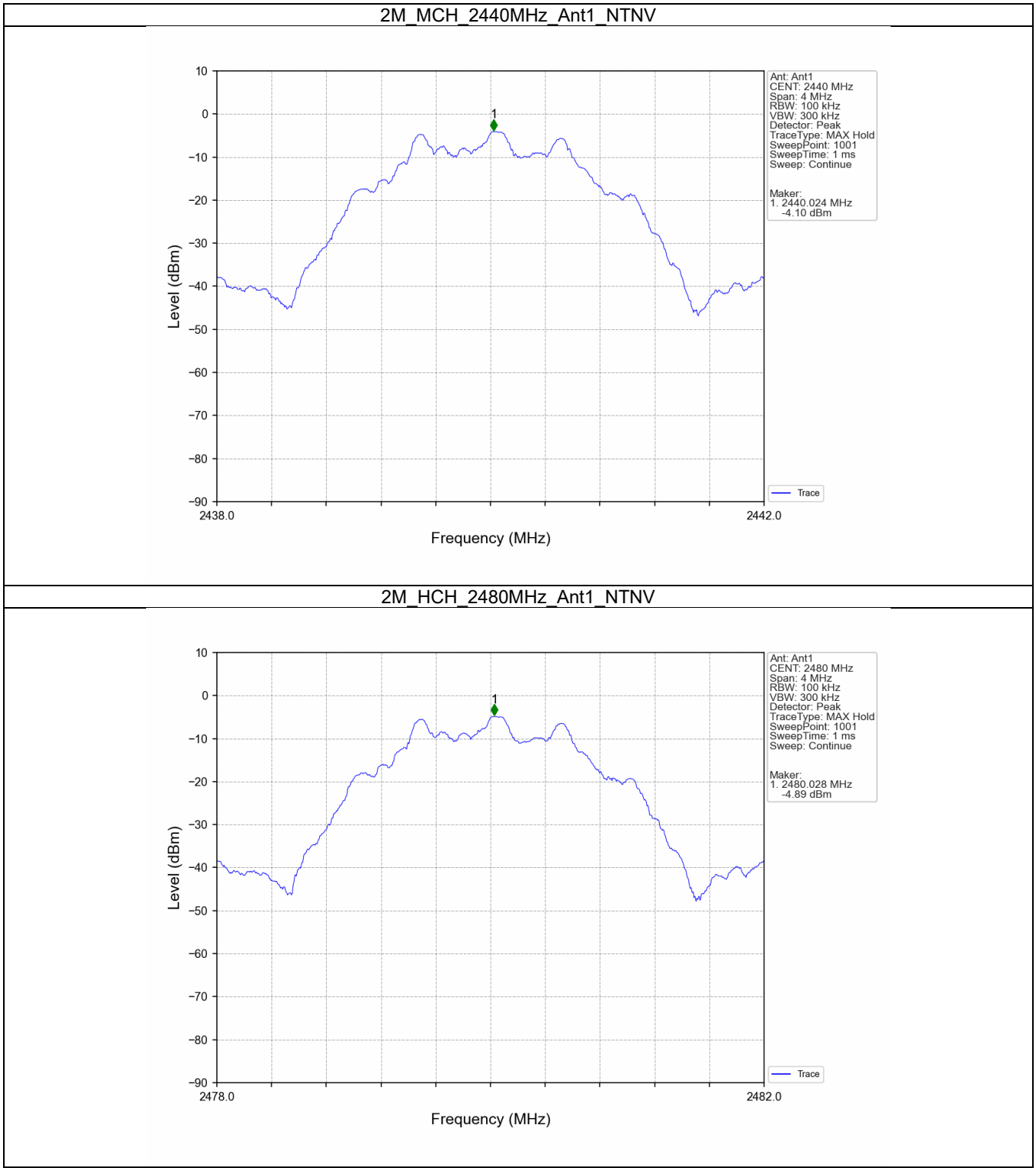
5.2.1 Ref



FCC ID: 2BXU2E130

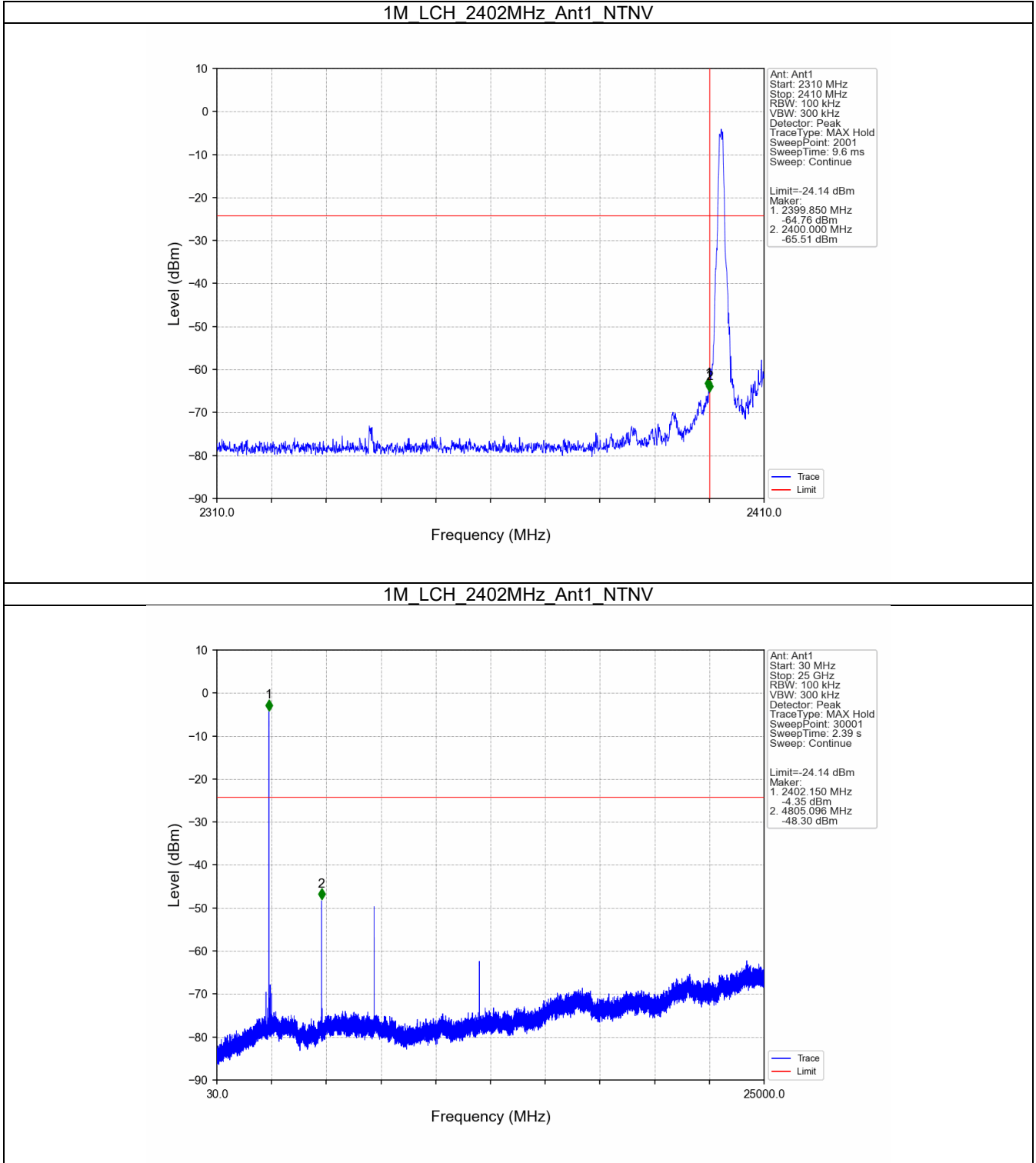


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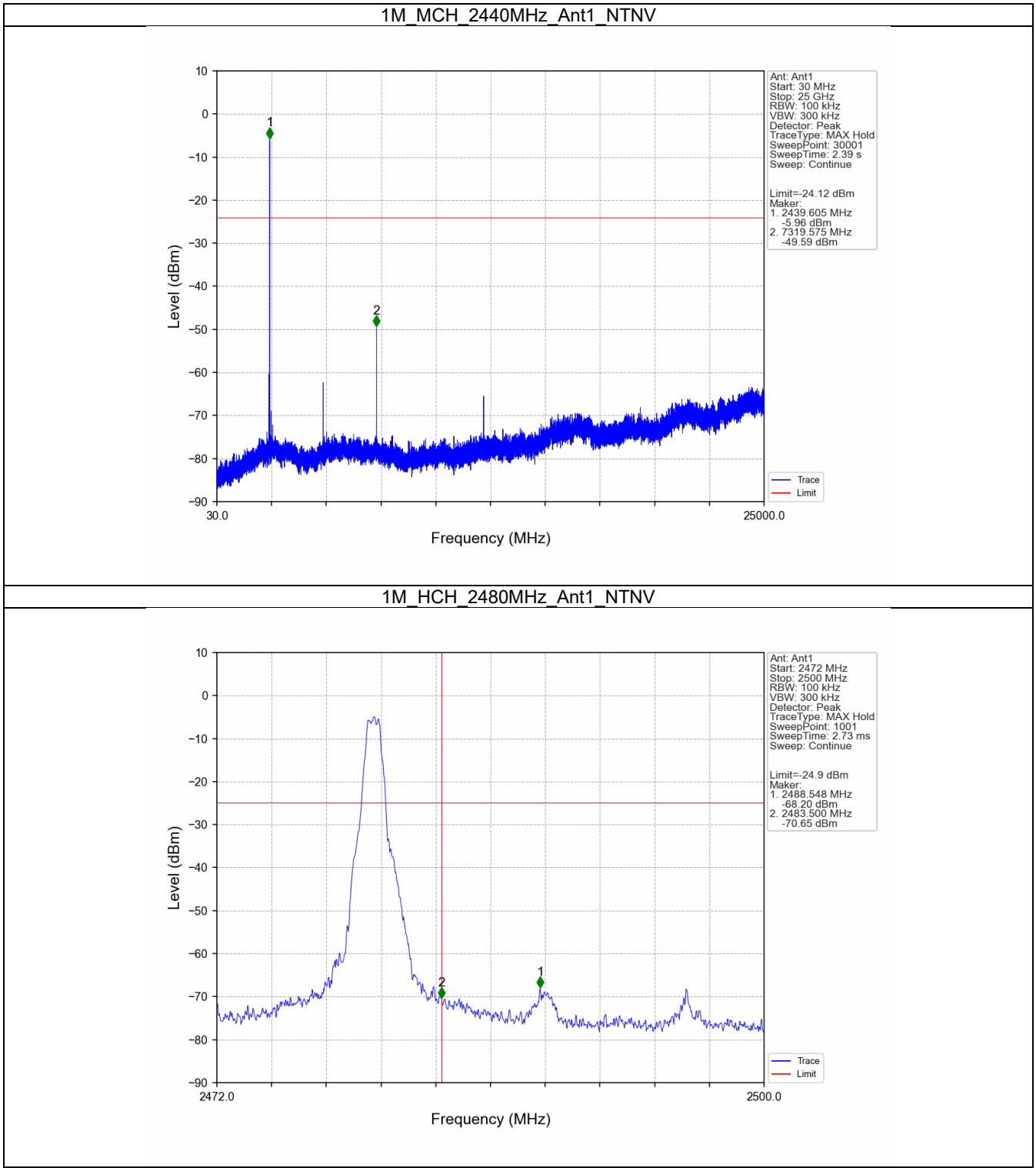


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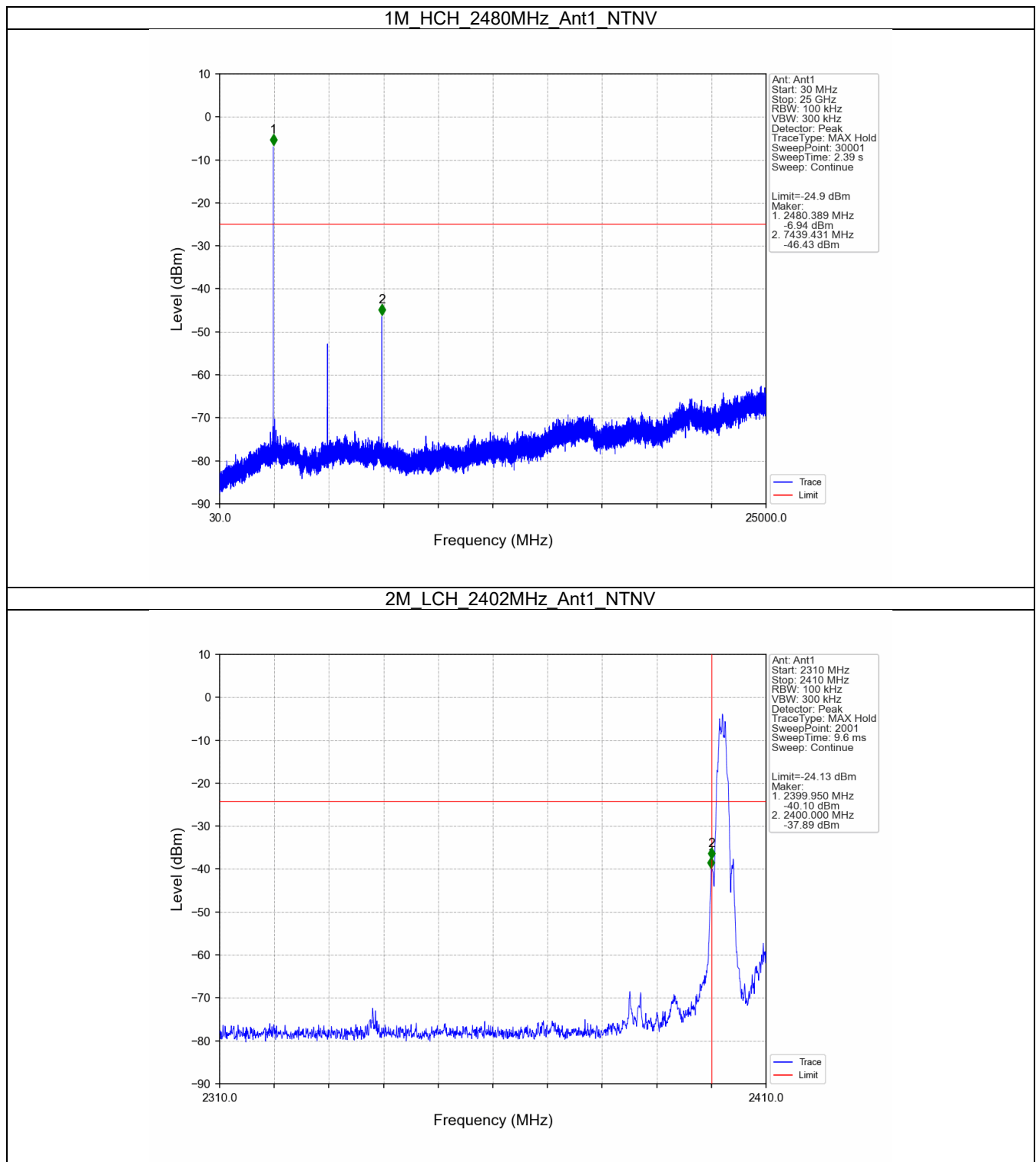
5.2.2 CSE



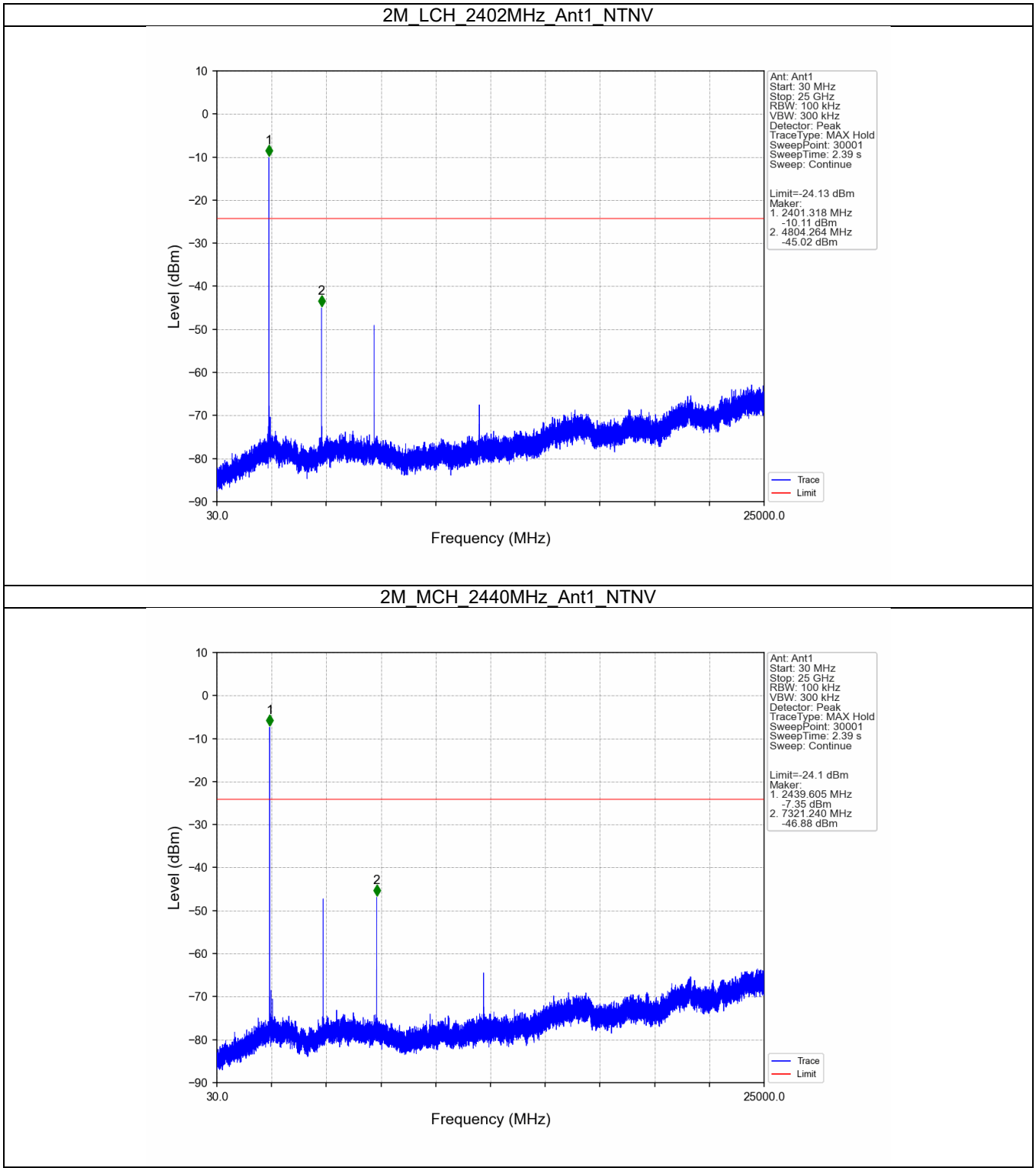
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