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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202041-WF

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FCC ID: 2BFCV-FACE2PAI

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.202	/	Pass
		2440	1	1.239	/	Pass
		2480	1	1.205	/	Pass

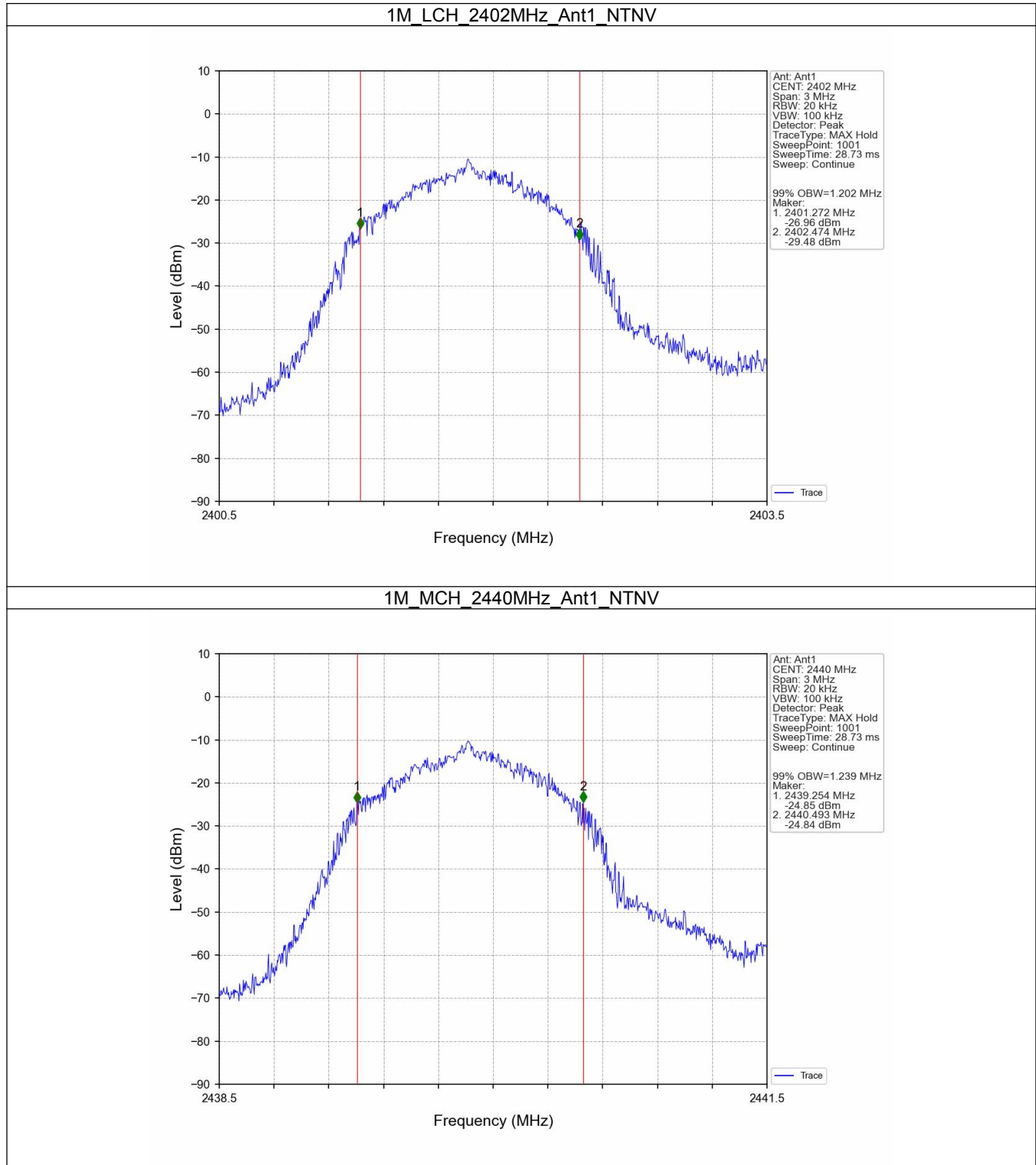
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.271	≥ 0.5	Pass
		2440	1	1.243	≥ 0.5	Pass
		2480	1	1.238	≥ 0.5	Pass

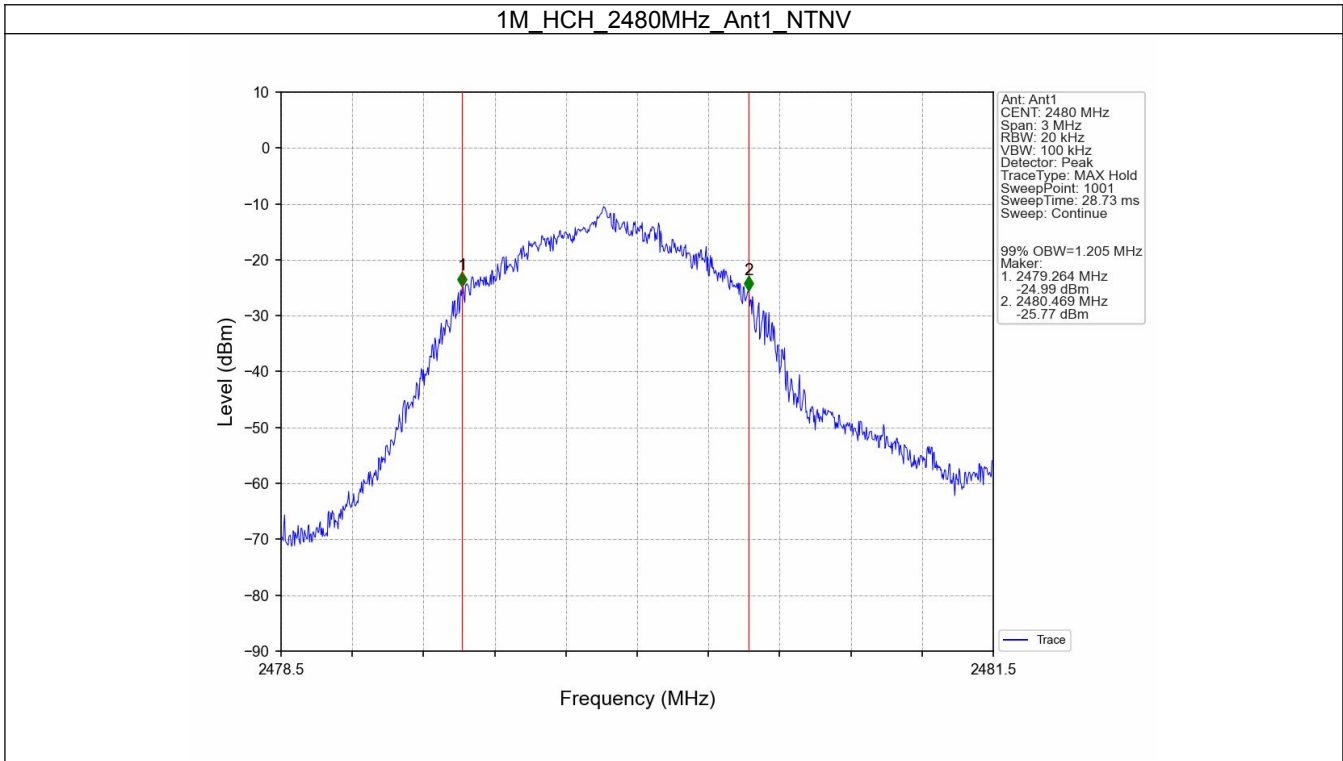
FCC ID: 2BFCV-FACE2PAI

1.2 Test Graph

1.2.1 OBW

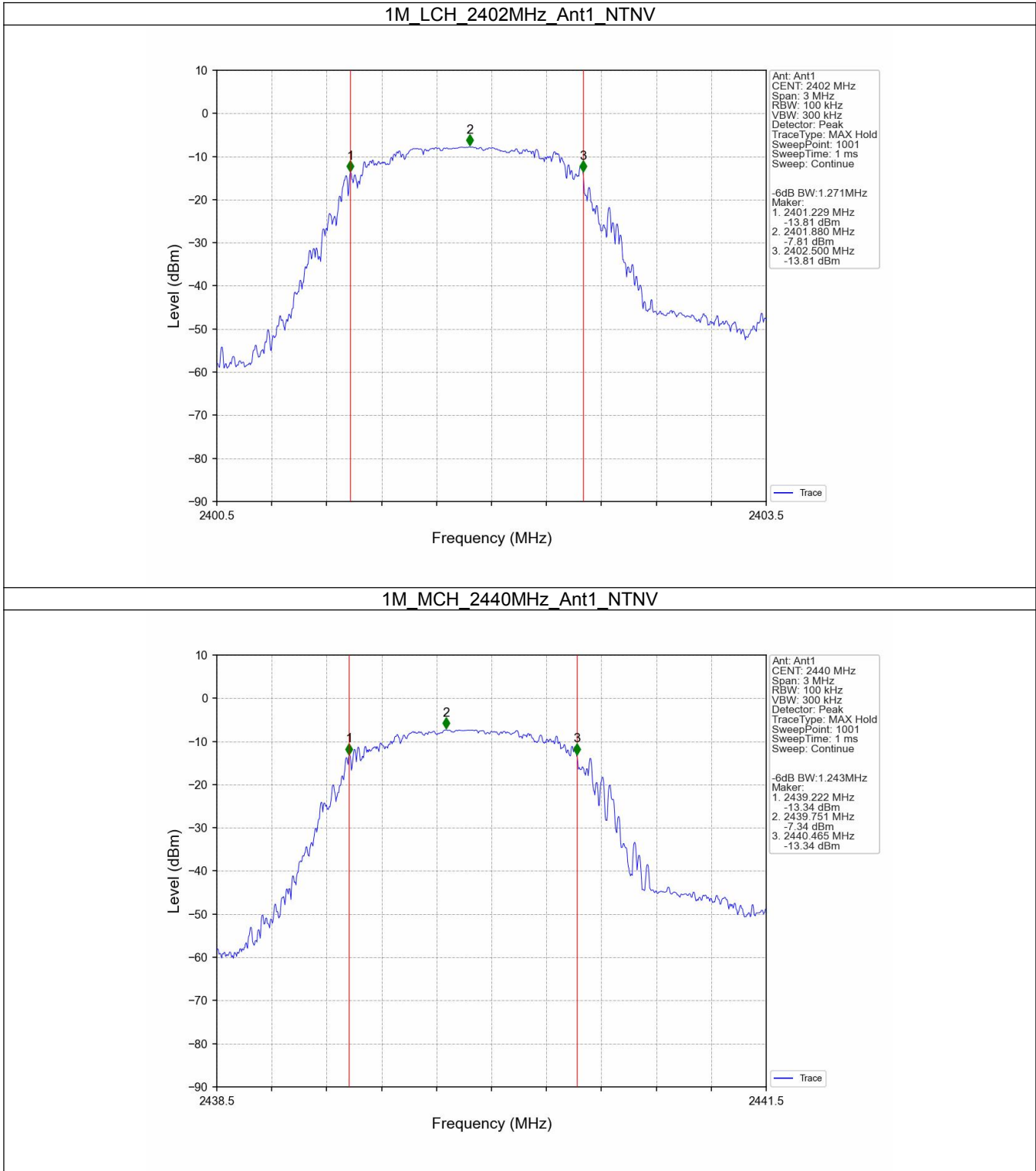


FCC ID: 2BFCV-FACE2PAI

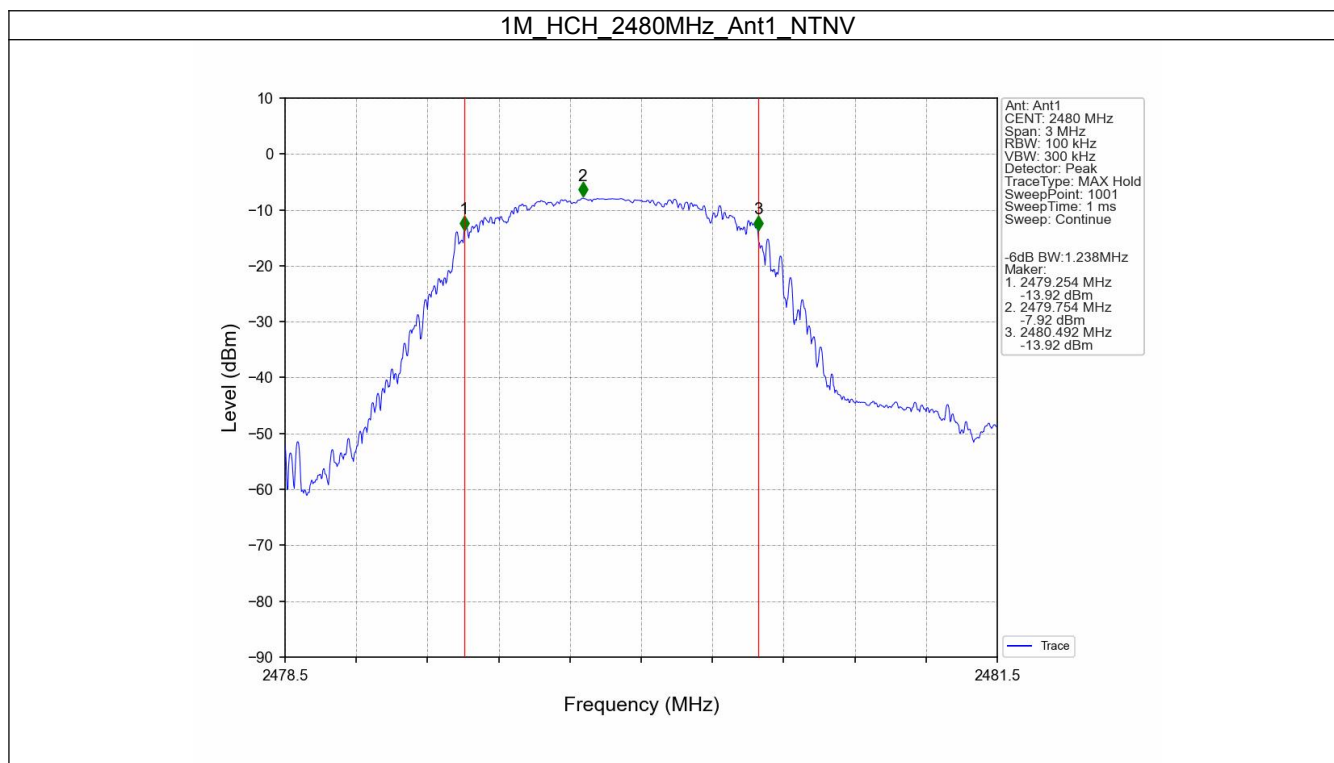


FCC ID: 2BFCV-FACE2PAI

1.2.2 6dB BW



FCC ID: 2BFCV-FACE2PAI



FCC ID: 2BFCV-FACE2PAI

2. Maximum Conducted Output Power

2.1 Test Result

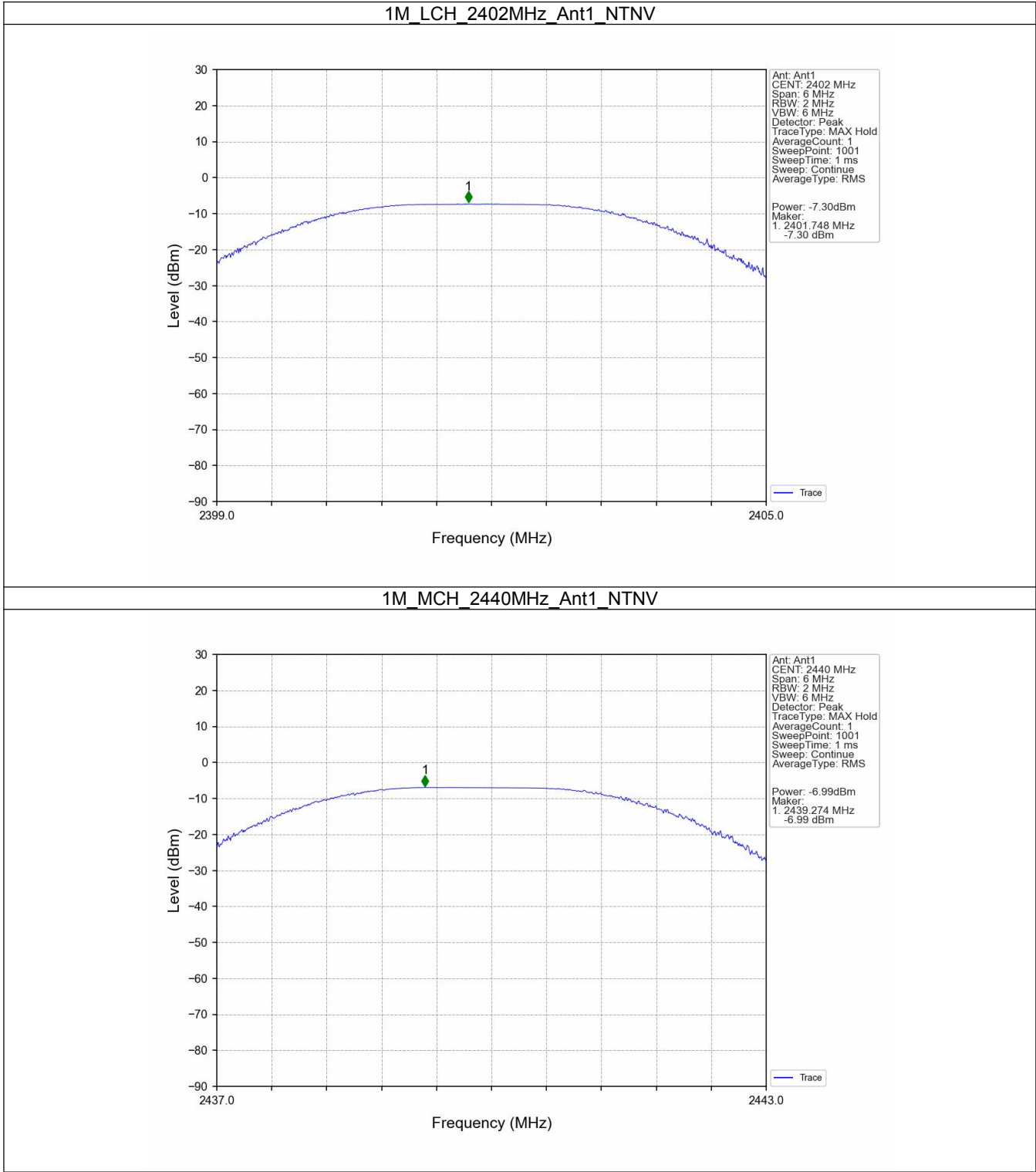
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-7.30	<=30	Pass
		2440	-6.99	<=30	Pass
		2480	-7.45	<=30	Pass
Note1: Antenna Gain: Ant1: 5.22dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

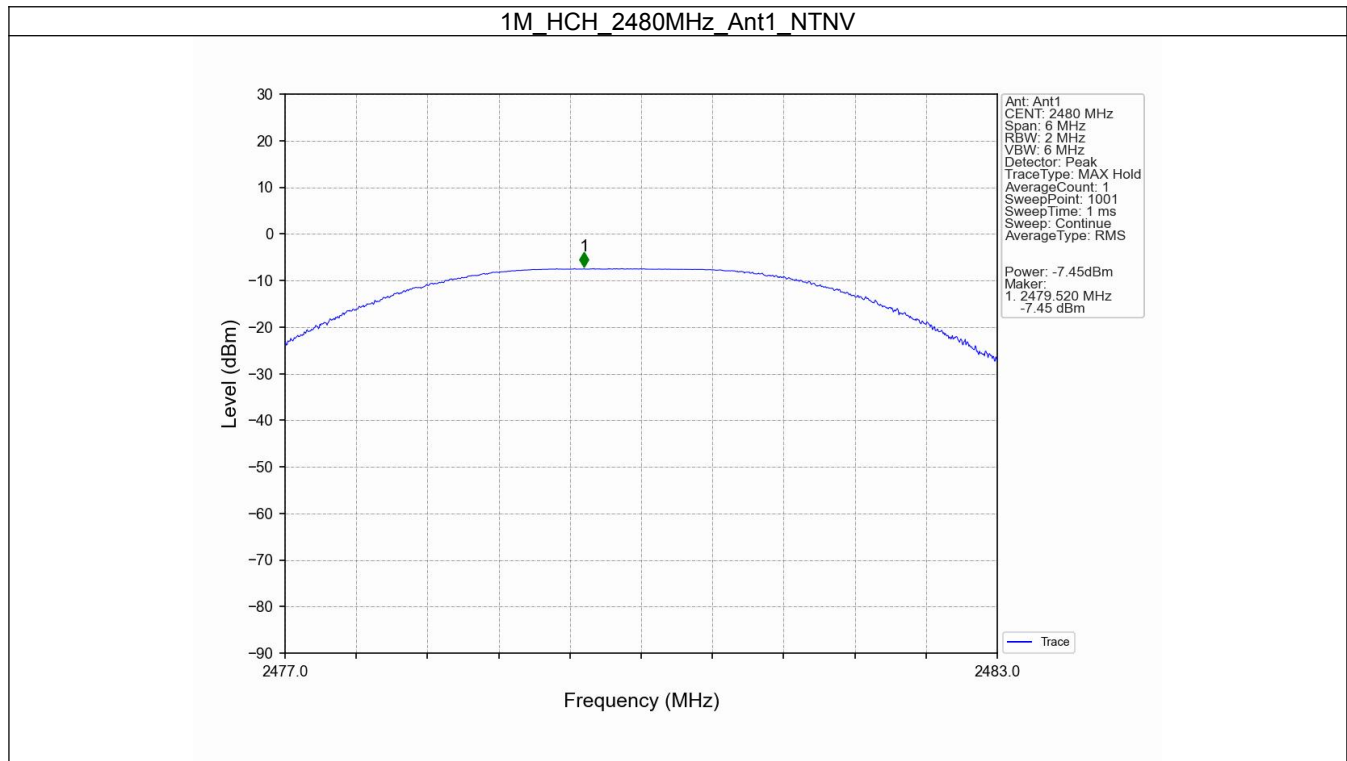
FCC ID: 2BFCV-FACE2PAI

2.2 Test Graph

2.2.1 Power



FCC ID: 2BFCV-FACE2PAI



FCC ID: 2BFCV-FACE2PAI

3. Maximum Power Spectral Density

3.1 Test Result

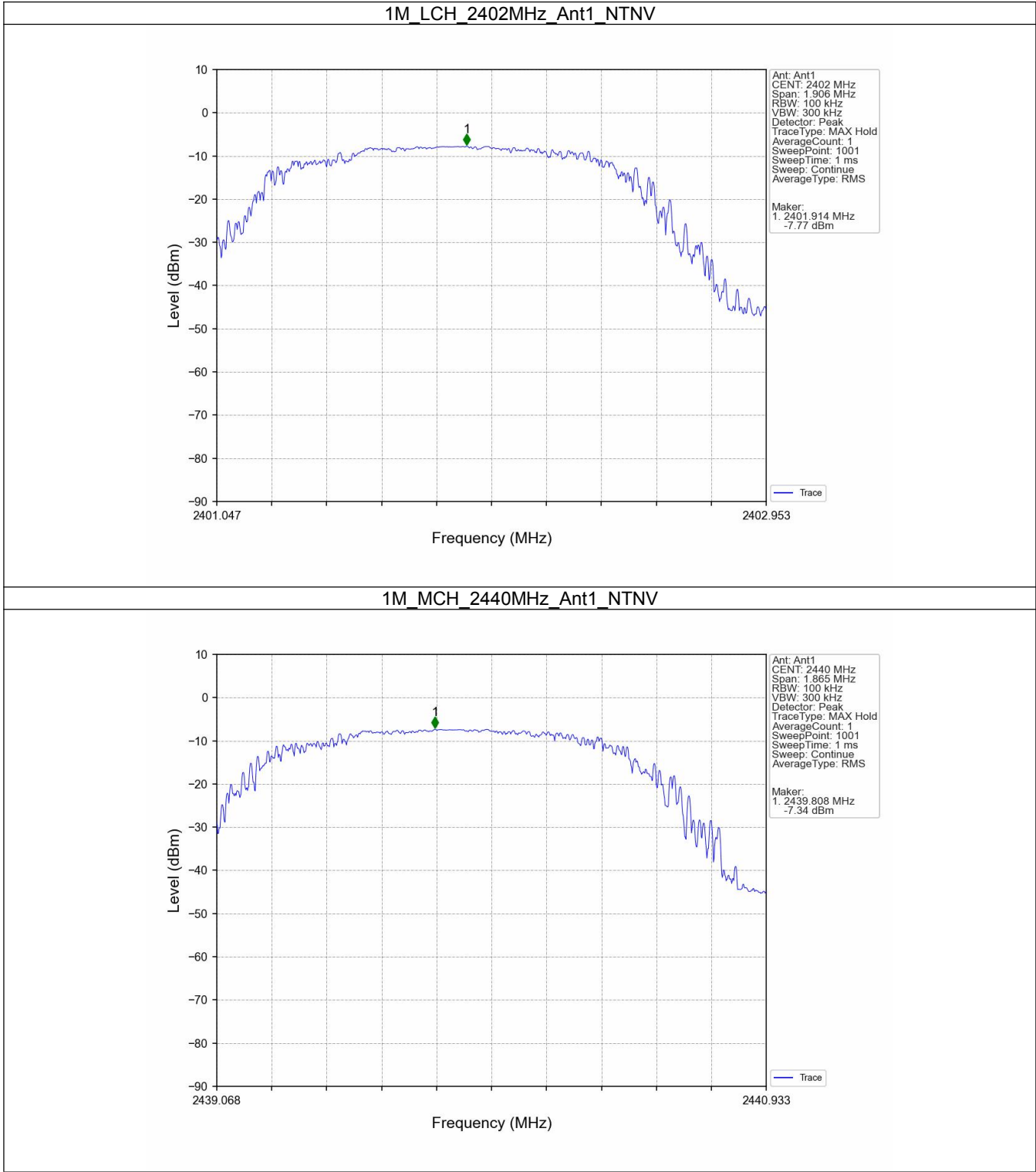
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-7.77	<=8	Pass
		2440	-7.34	<=8	Pass
		2480	-7.89	<=8	Pass
Note1: Antenna Gain: Ant1: 5.22dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

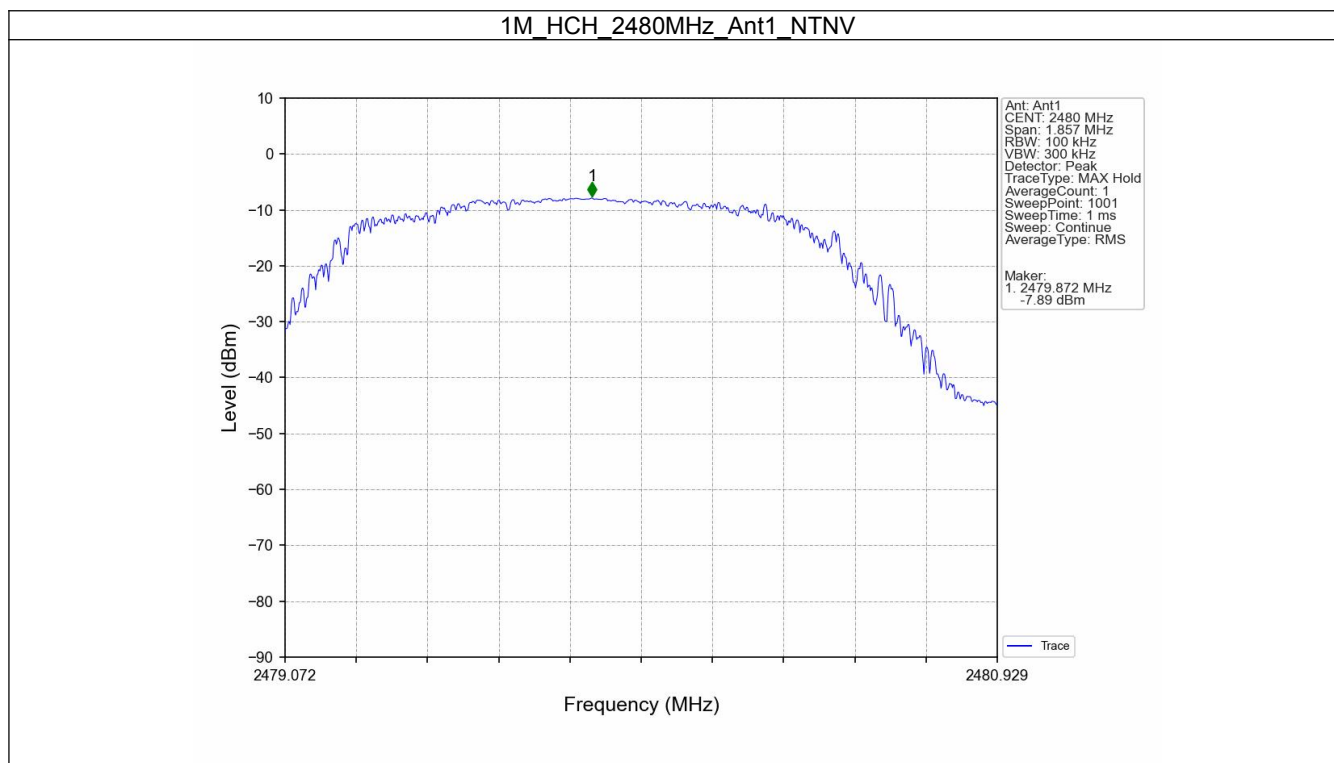
FCC ID: 2BFCV-FACE2PAI

3.2 Test Graph

3.2.1 PSD



FCC ID: 2BFCV-FACE2PAI



FCC ID: 2BFCV-FACE2PAI

4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-7.82
		2440	1	-7.37
		2480	1	-7.93

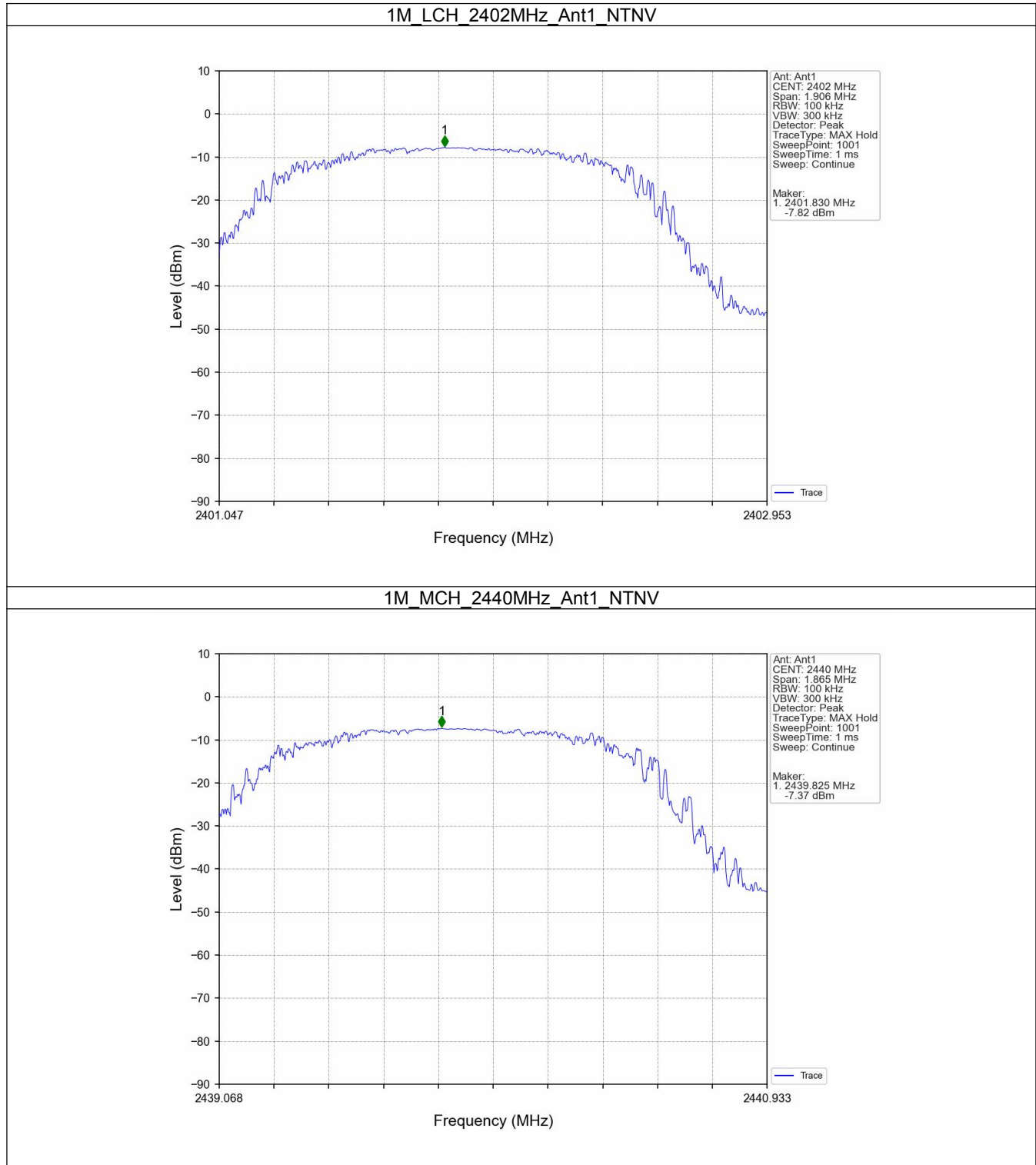
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-7.37	-27.37	Pass
		2440	1	-7.37	-27.37	Pass
		2480	1	-7.37	-27.37	Pass

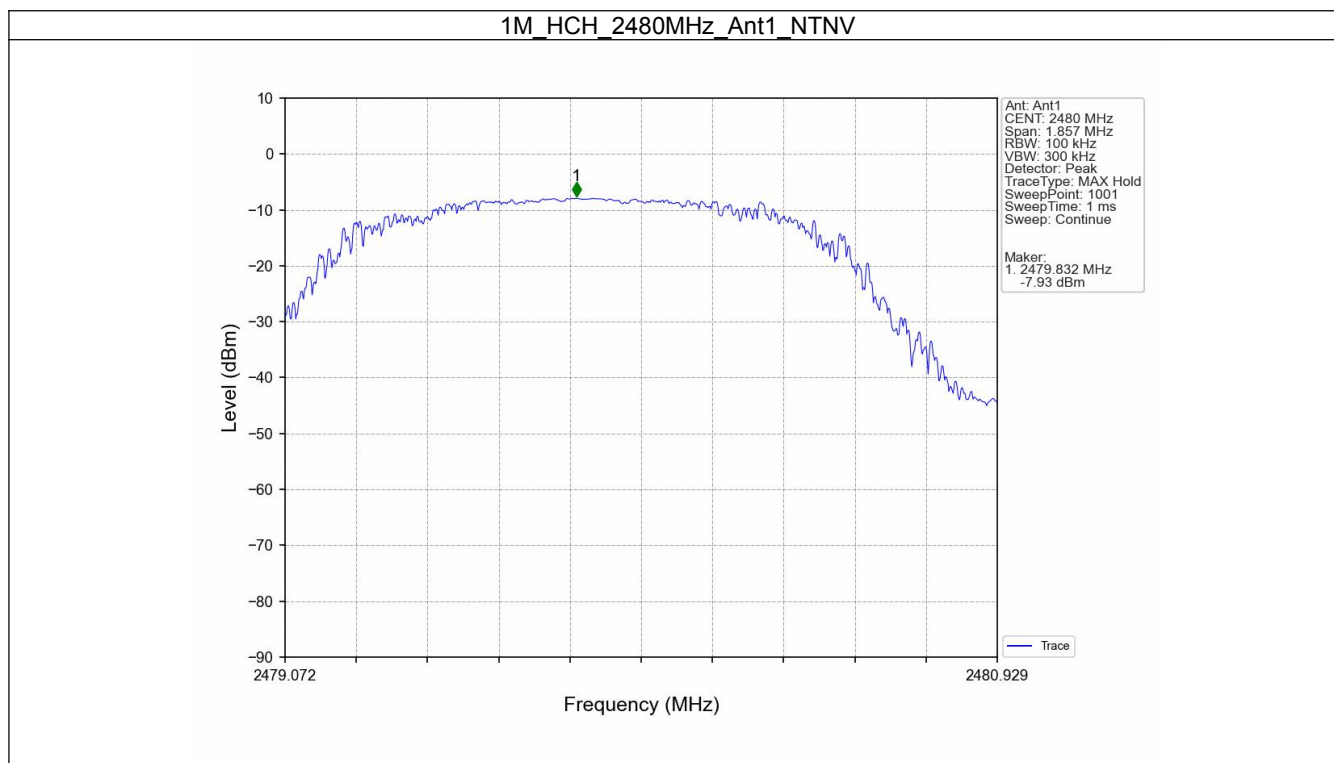
FCC ID: 2BFCV-FACE2PAI

4.2 Test Graph

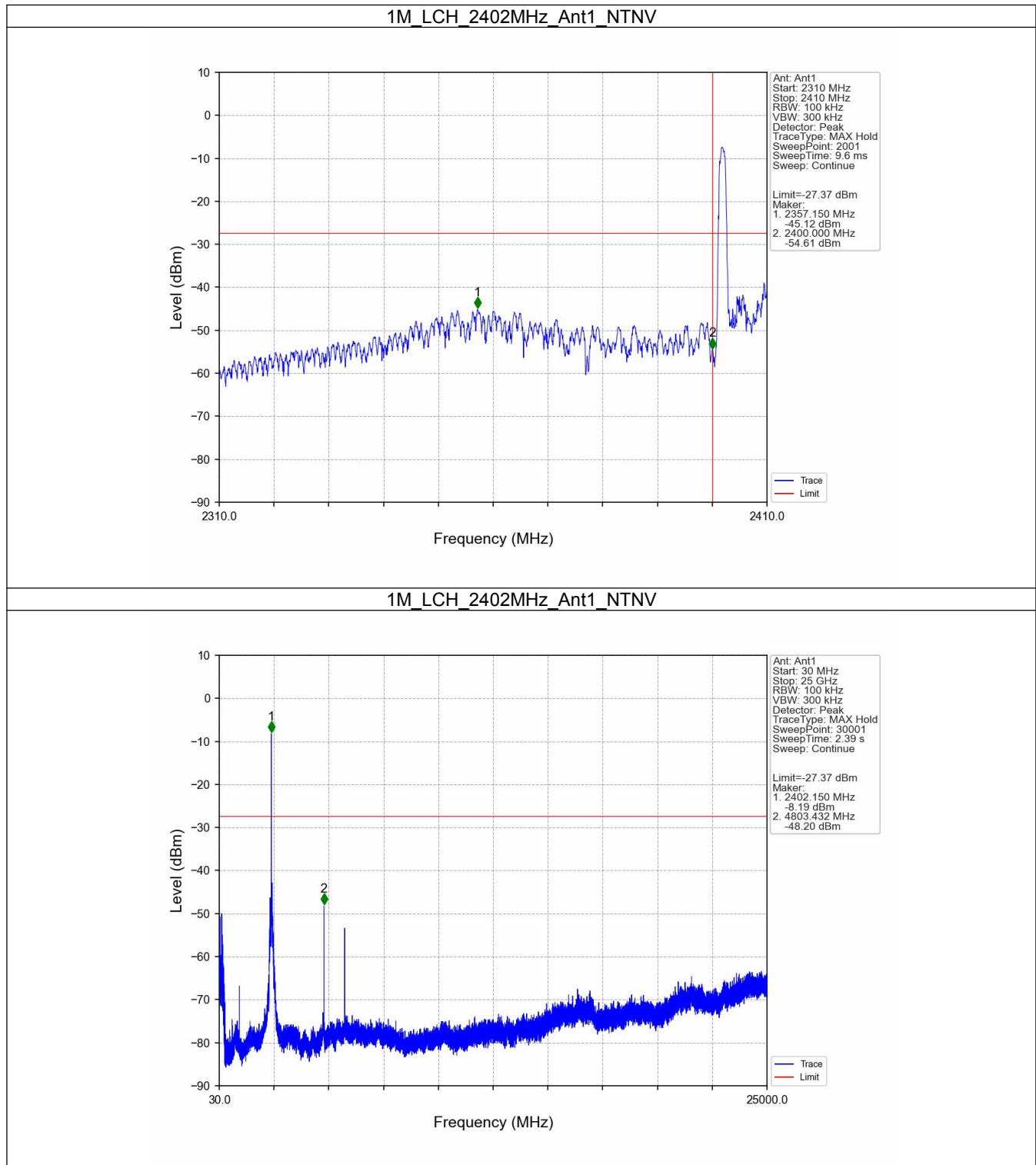
4.2.1 Ref



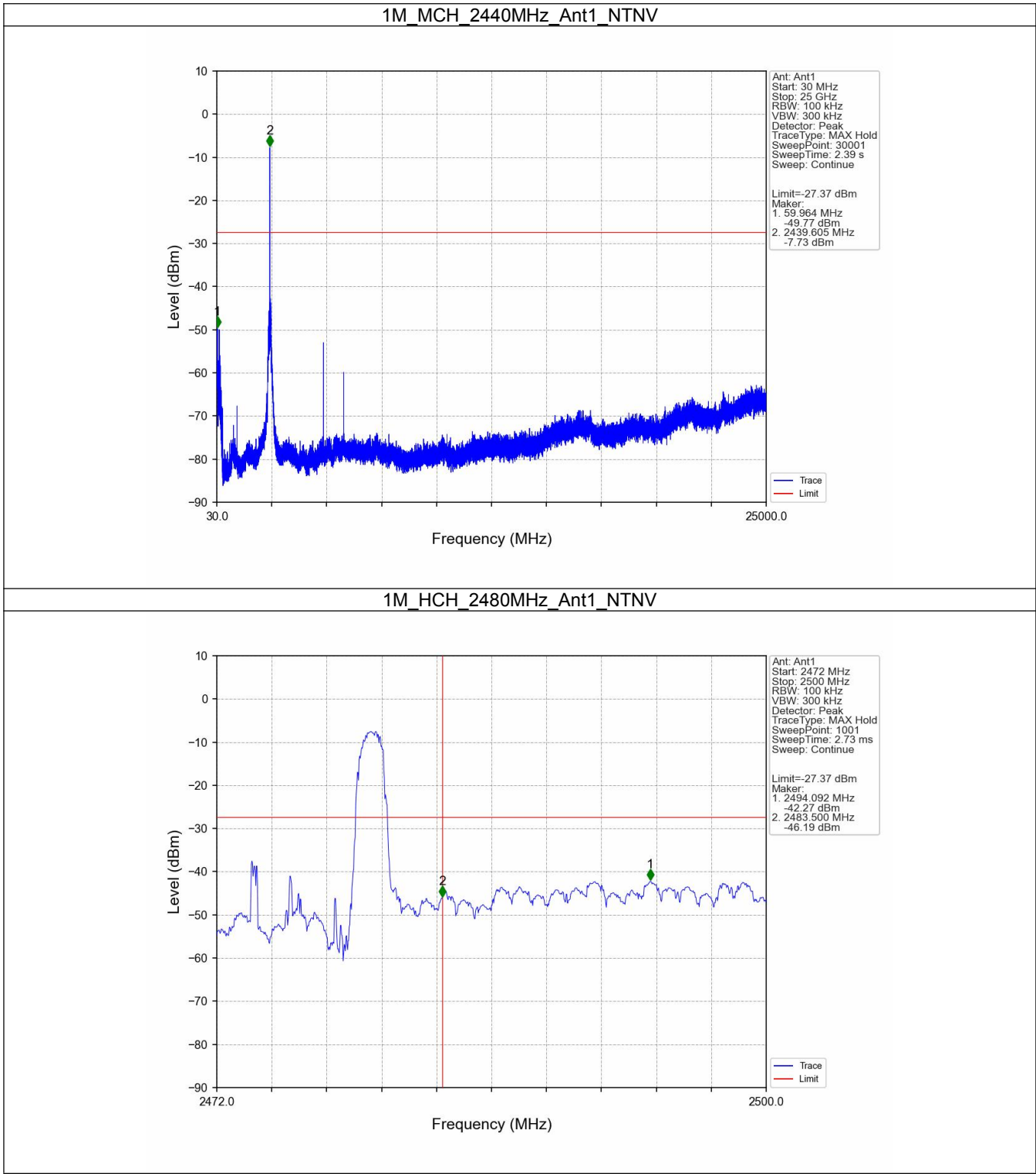
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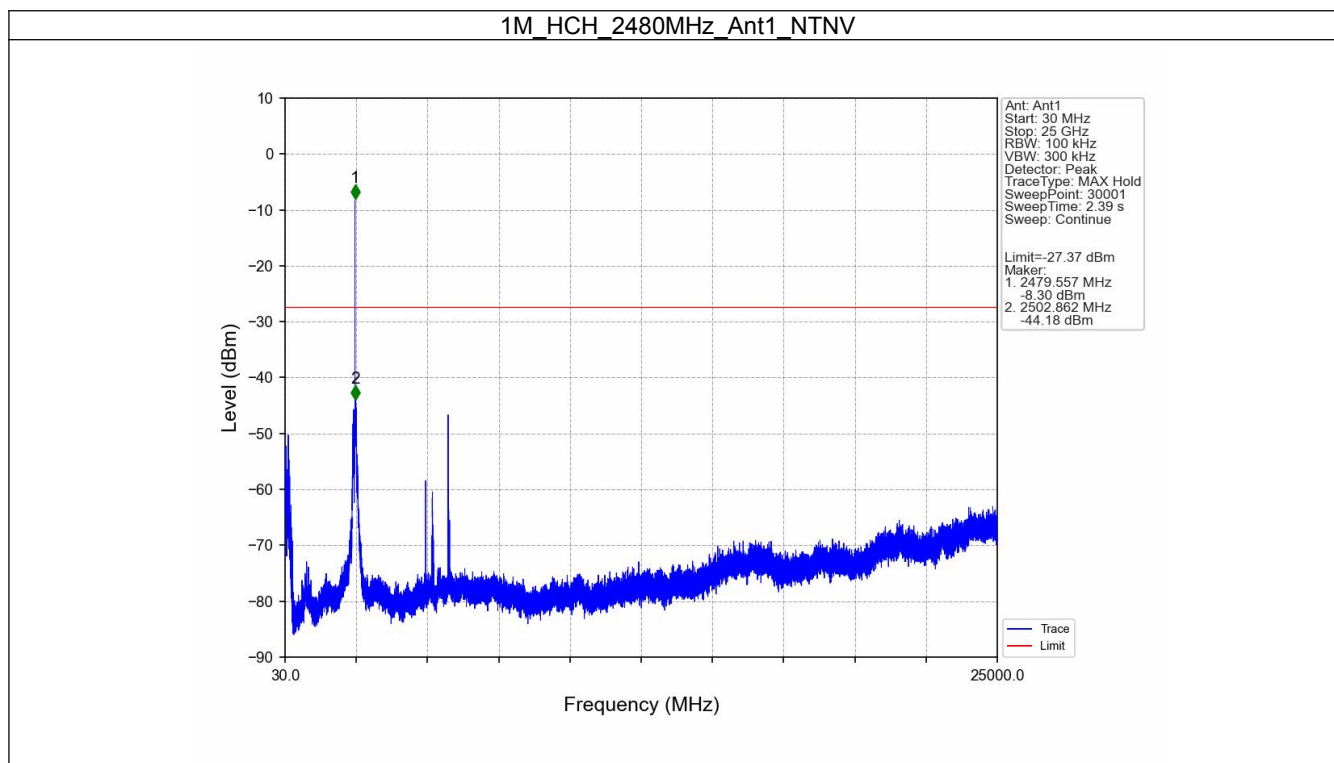
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4.2.2 CSE

FCC ID: 2BFCV-FACE2PAI



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FCC ID: 2BFCV-FACE2PAI

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0002	-6.99