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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202044-WF

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FCC ID: 2BFCV-S6PRO

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	1.032	/	Pass
		2440	1	1.040	/	Pass
		2480	1	1.029	/	Pass

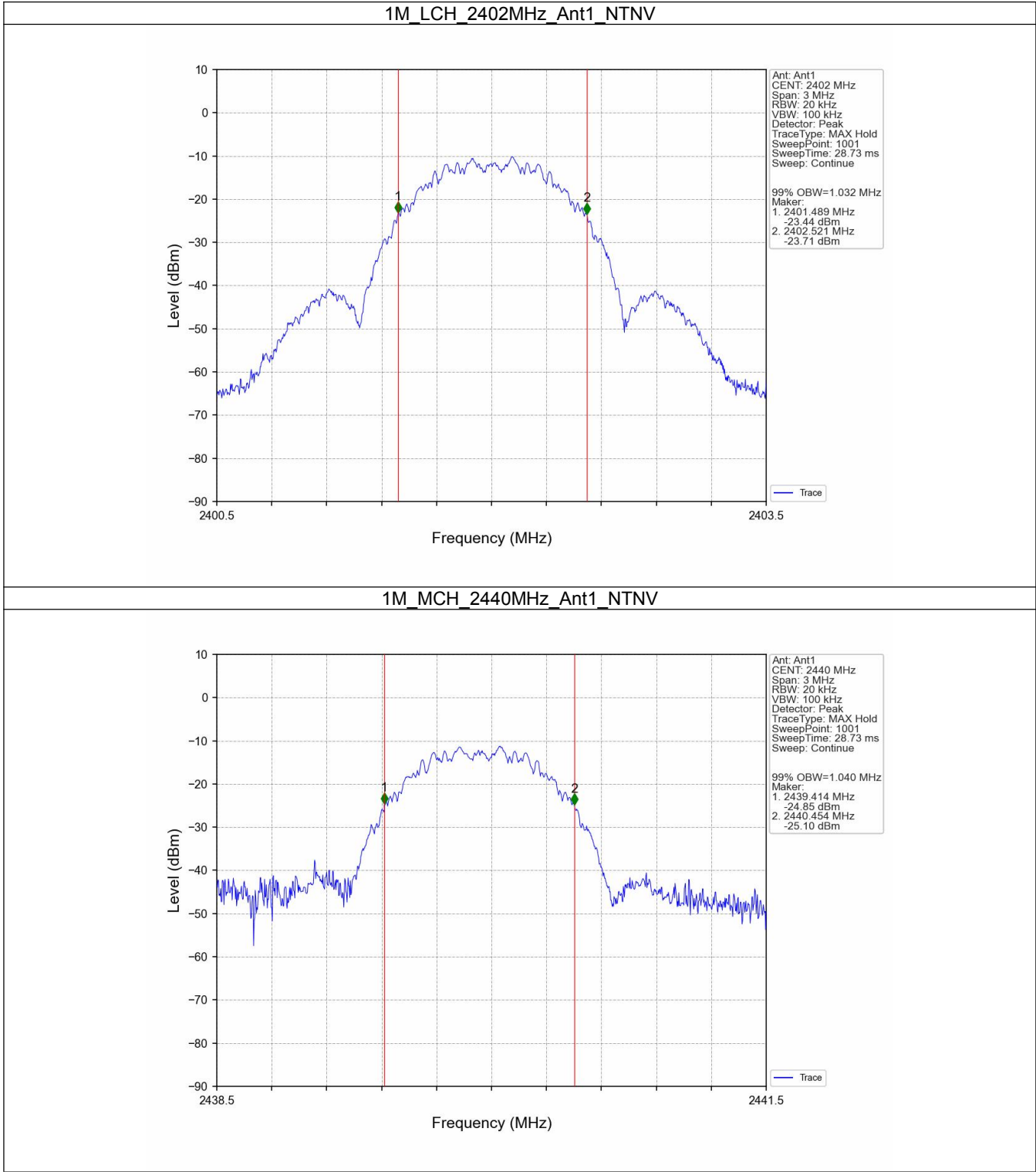
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.762	≥ 0.5	Pass
		2440	1	0.754	≥ 0.5	Pass
		2480	1	0.766	≥ 0.5	Pass

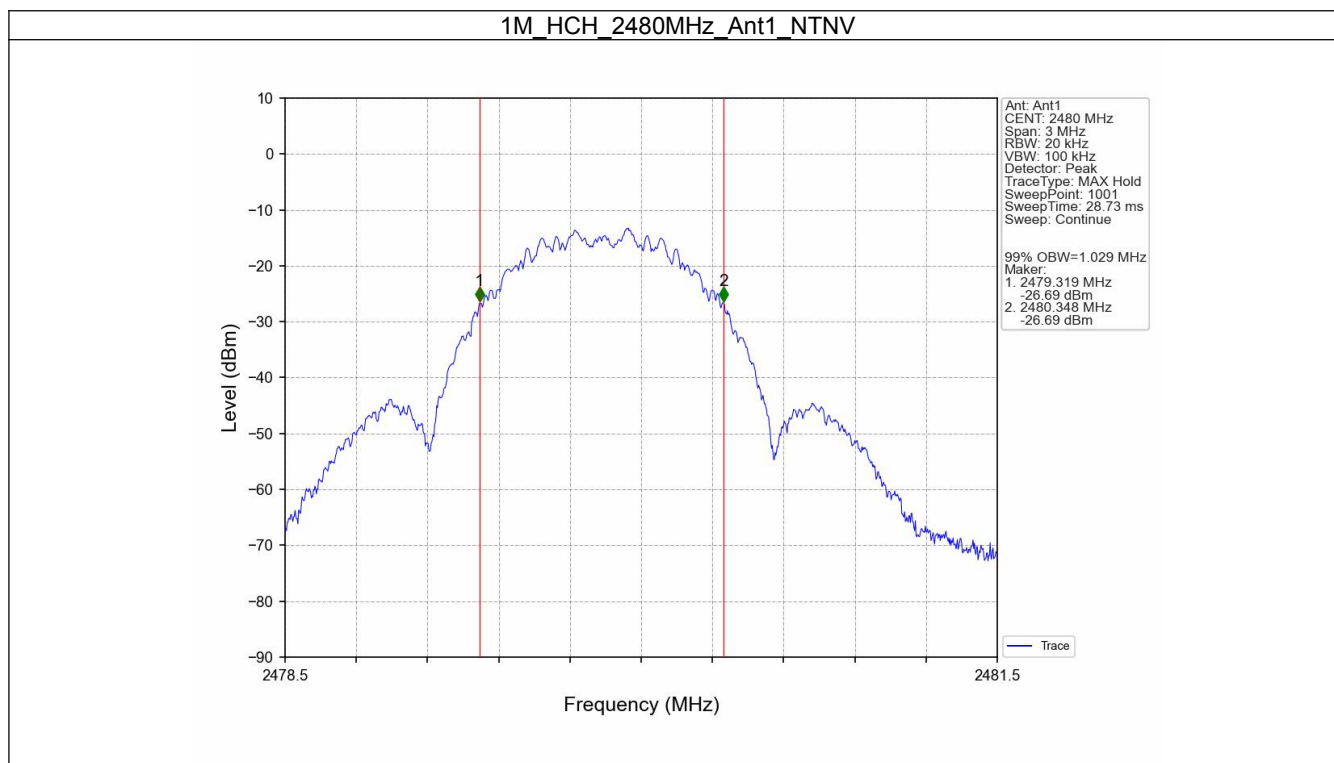
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1.2 Test Graph

1.2.1 OBW

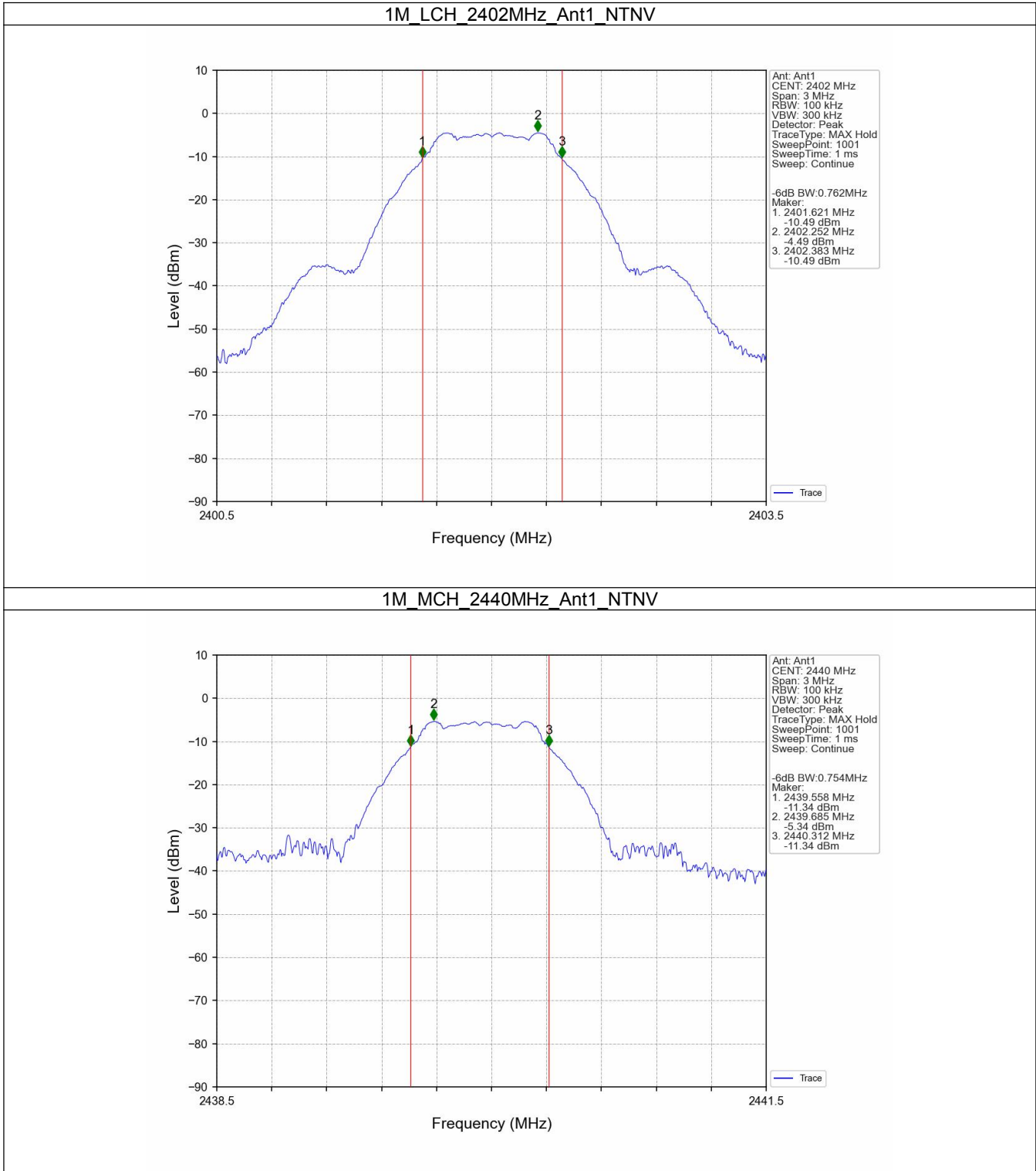


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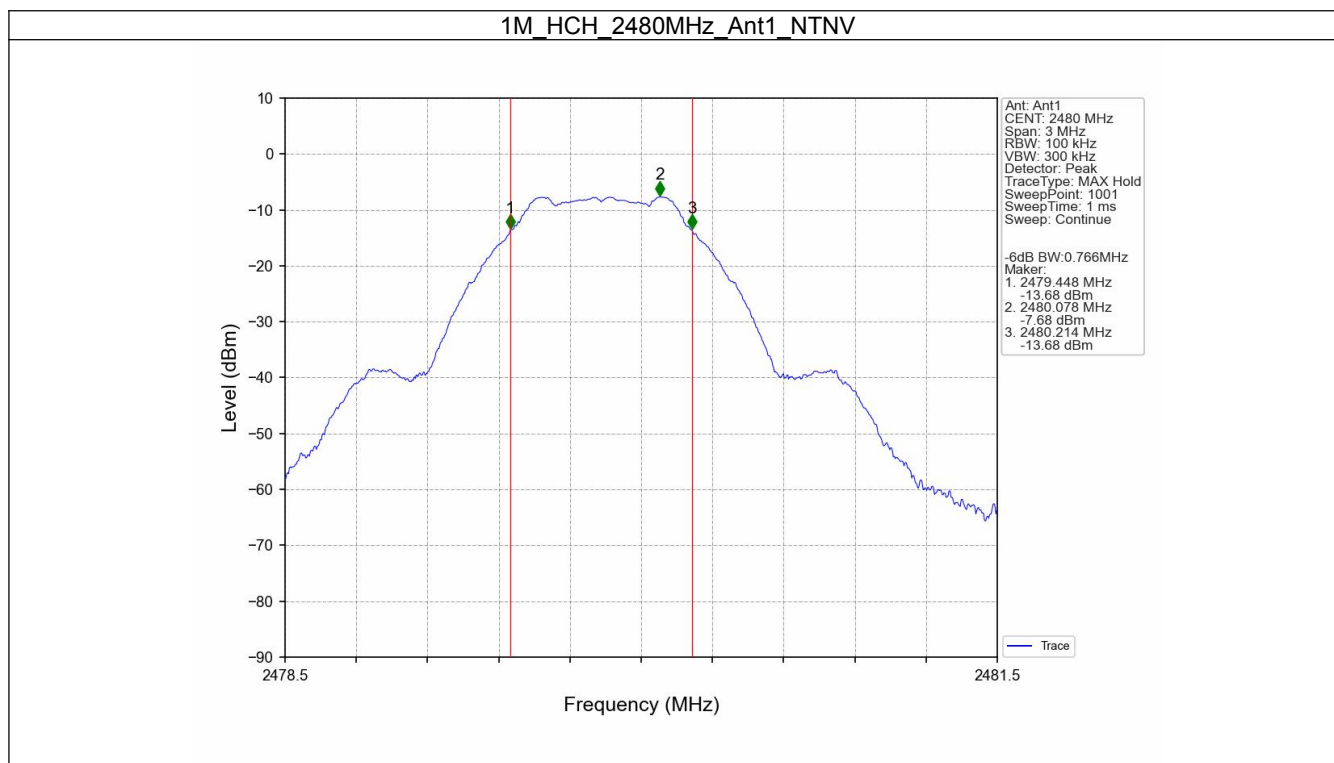


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1.2.2 6dB BW



FCC ID: 2BFCV-S6PRO



FCC ID: 2BFCV-S6PRO

2. Maximum Conducted Output Power

2.1 Test Result

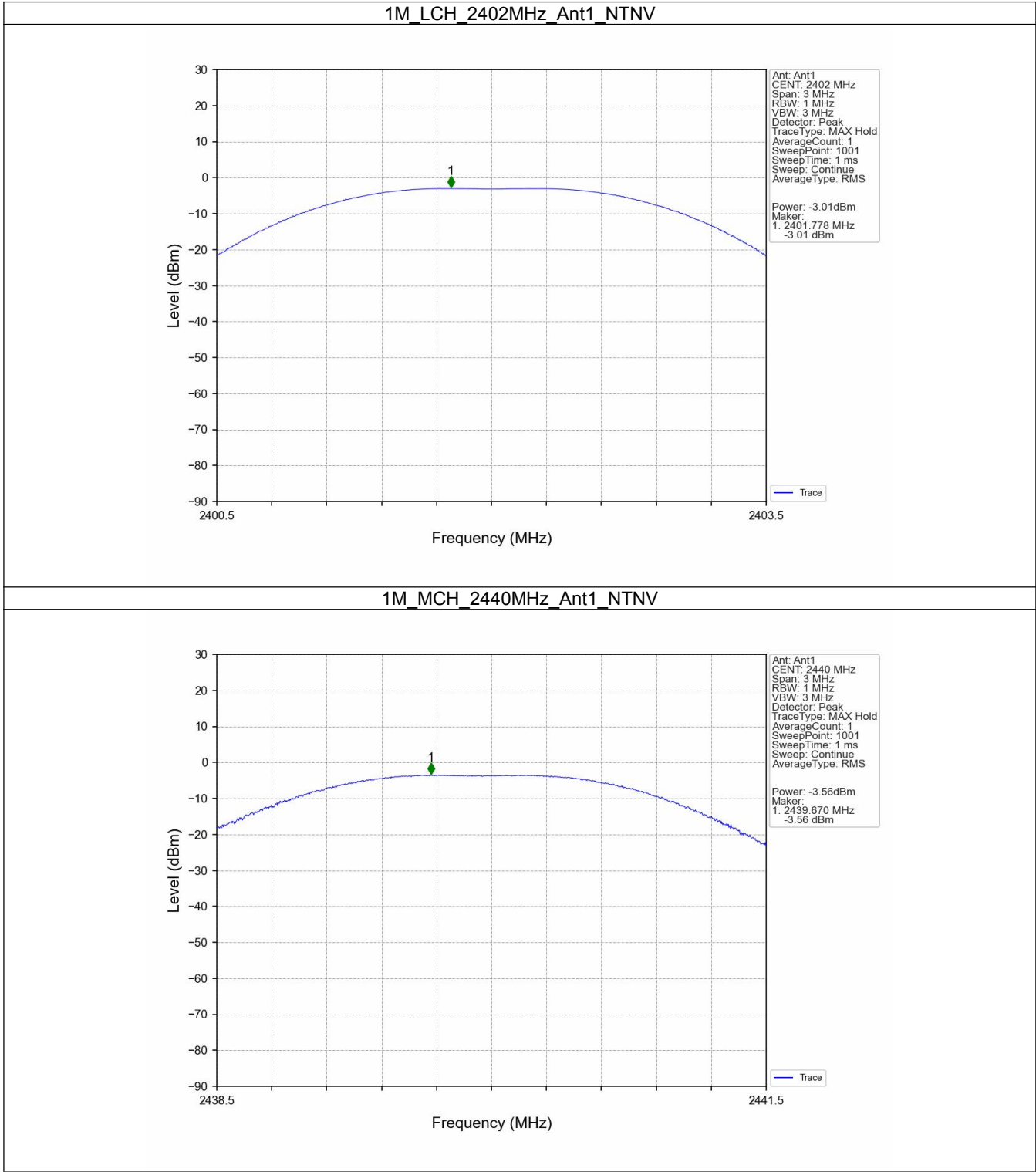
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-3.01	<=30	Pass
		2440	-3.56	<=30	Pass
		2480	-6.16	<=30	Pass
Note1: Antenna Gain: Ant1: -5.09dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

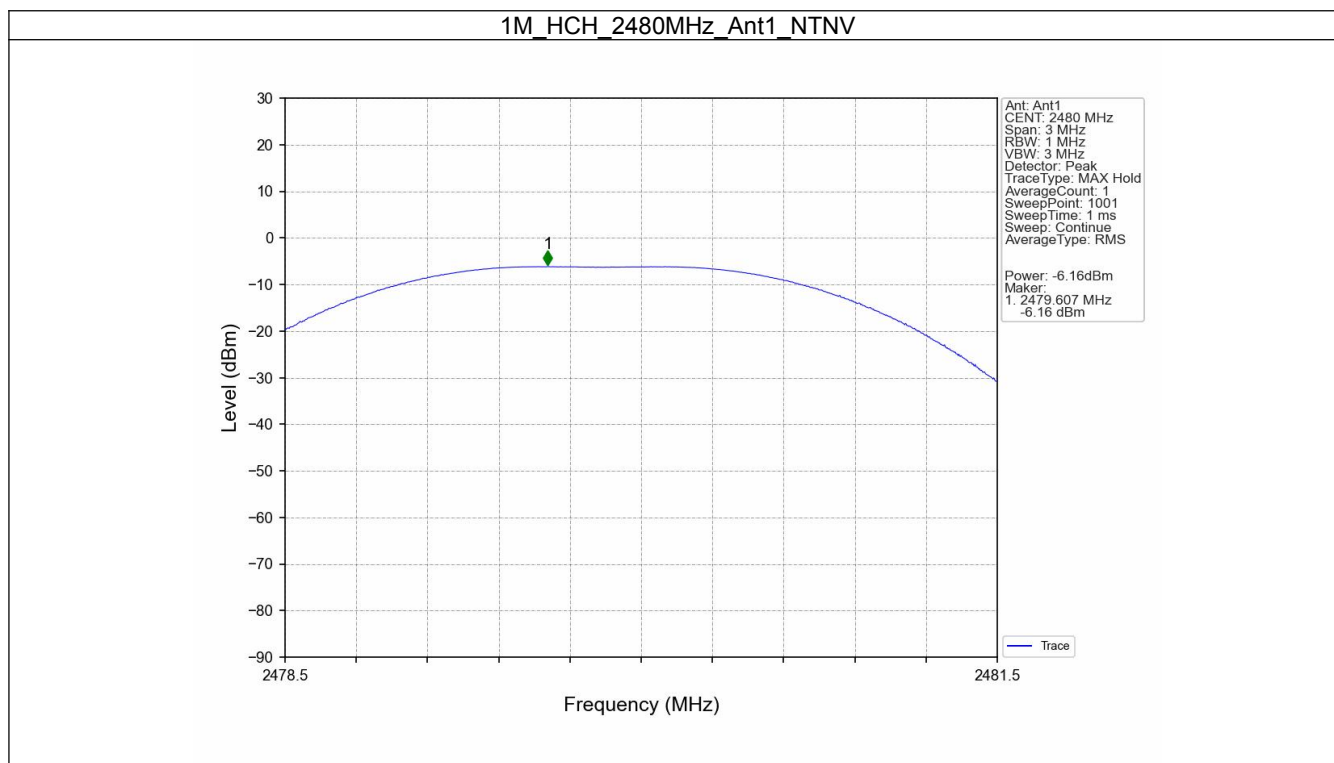
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2.2 Test Graph

2.2.1 Power



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FCC ID: 2BFCV-S6PRO

3. Maximum Power Spectral Density

3.1 Test Result

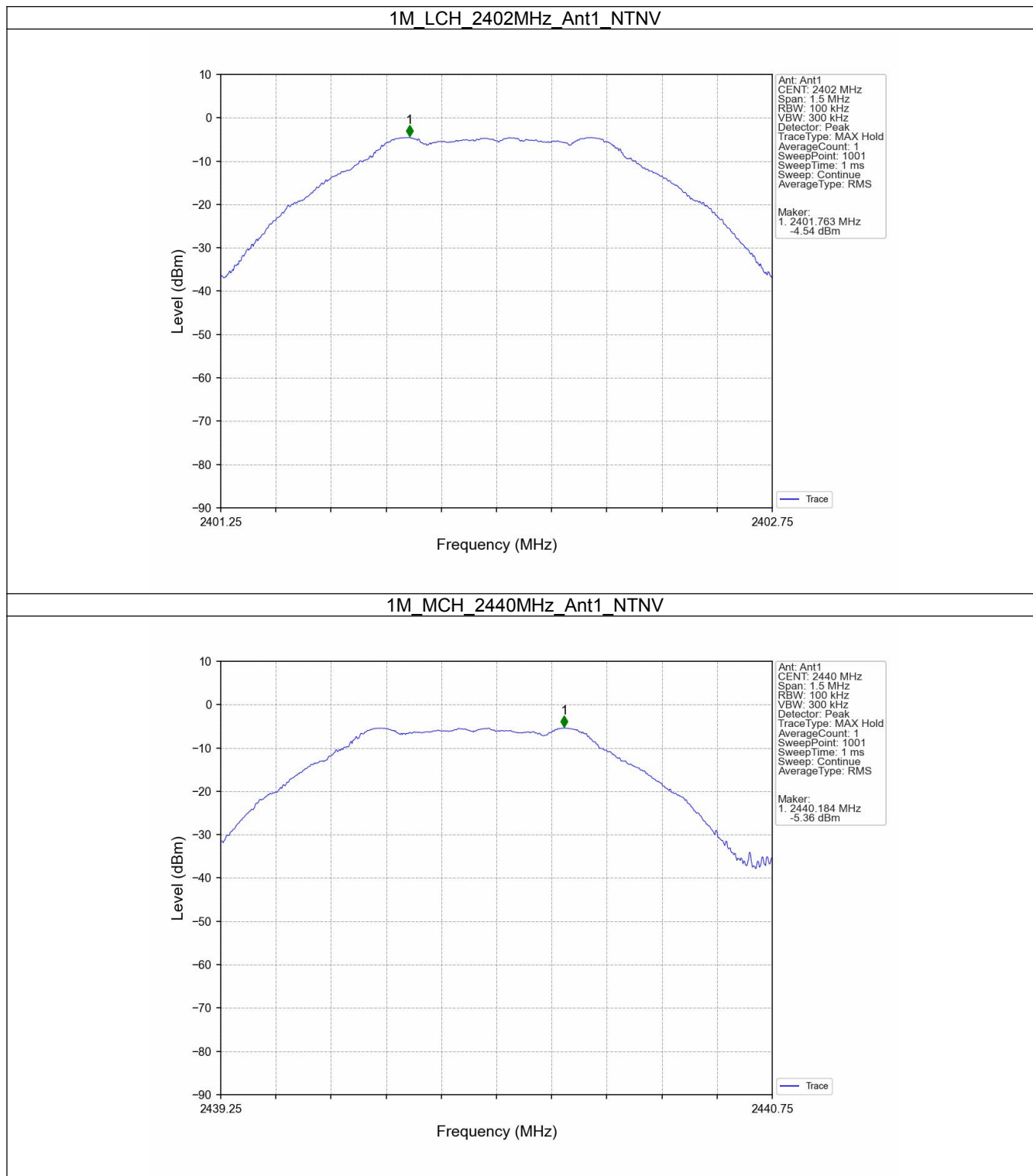
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-4.54	<=8	Pass
		2440	-5.36	<=8	Pass
		2480	-7.65	<=8	Pass
Note1: Antenna Gain: Ant1: -5.09dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

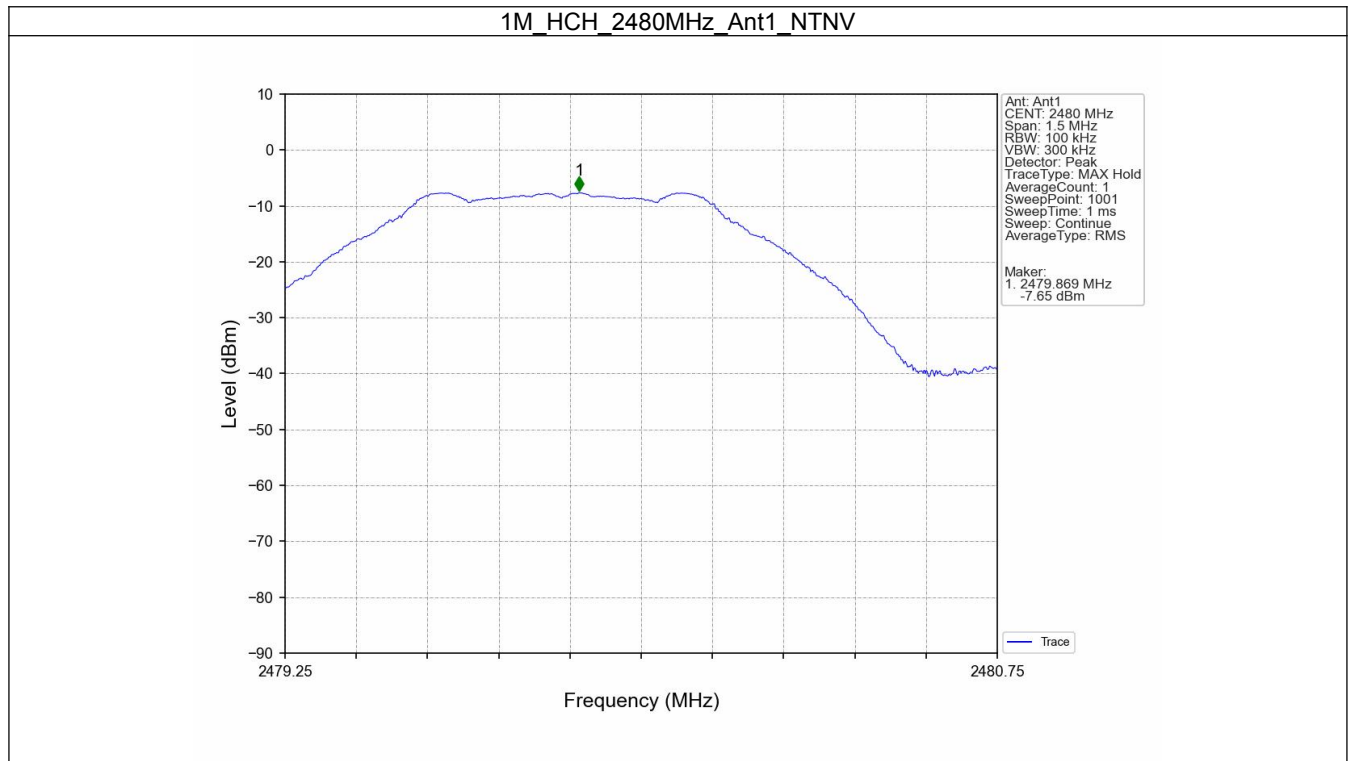
FCC ID: 2BFCV-S6PRO

3.2 Test Graph

3.2.1 PSD



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FCC ID: 2BFCV-S6PRO

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	-4.52
		2440	1	-5.41
		2480	1	-7.63

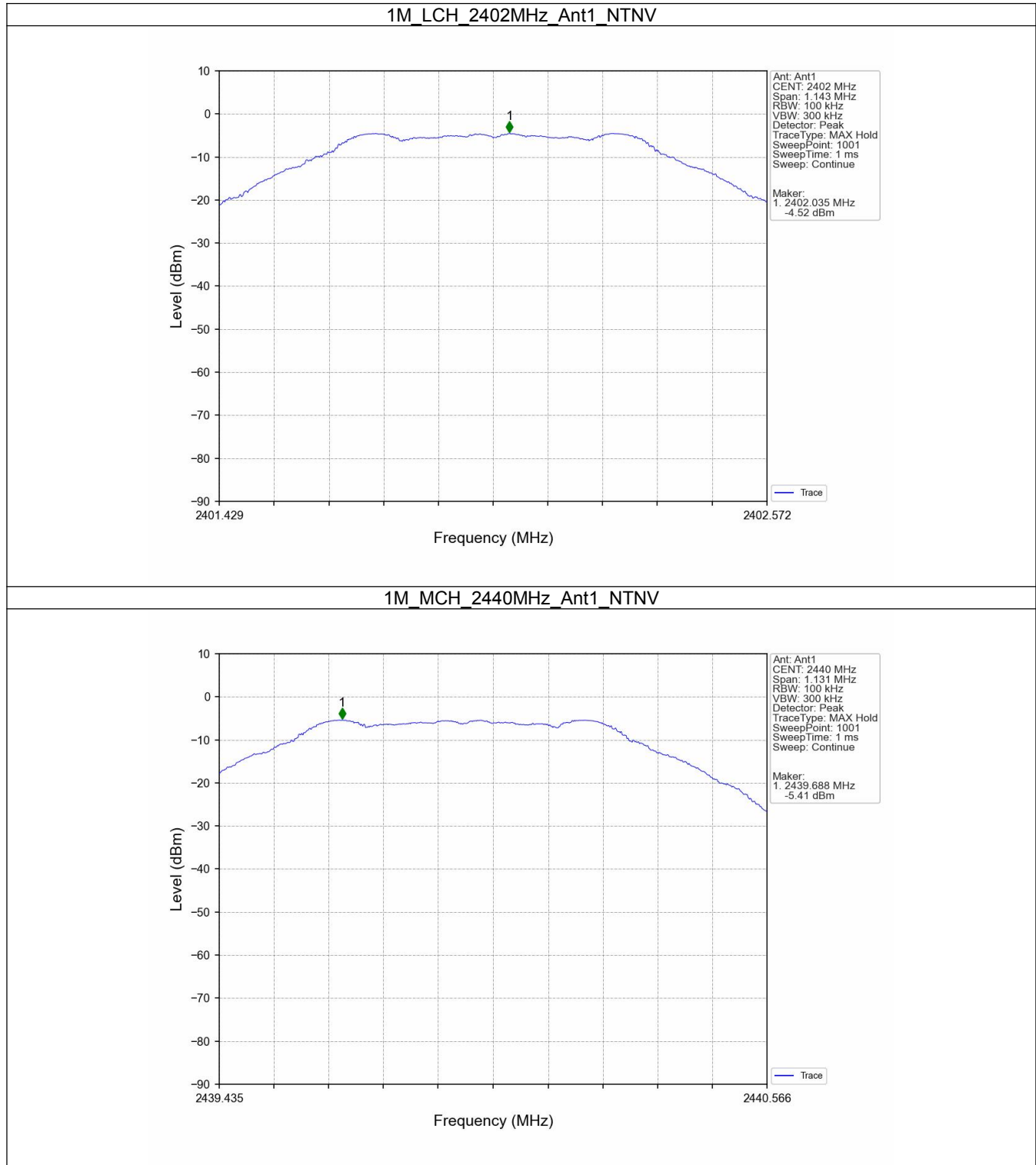
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-4.52	-24.52	Pass
		2440	1	-4.52	-24.52	Pass
		2480	1	-4.52	-24.52	Pass

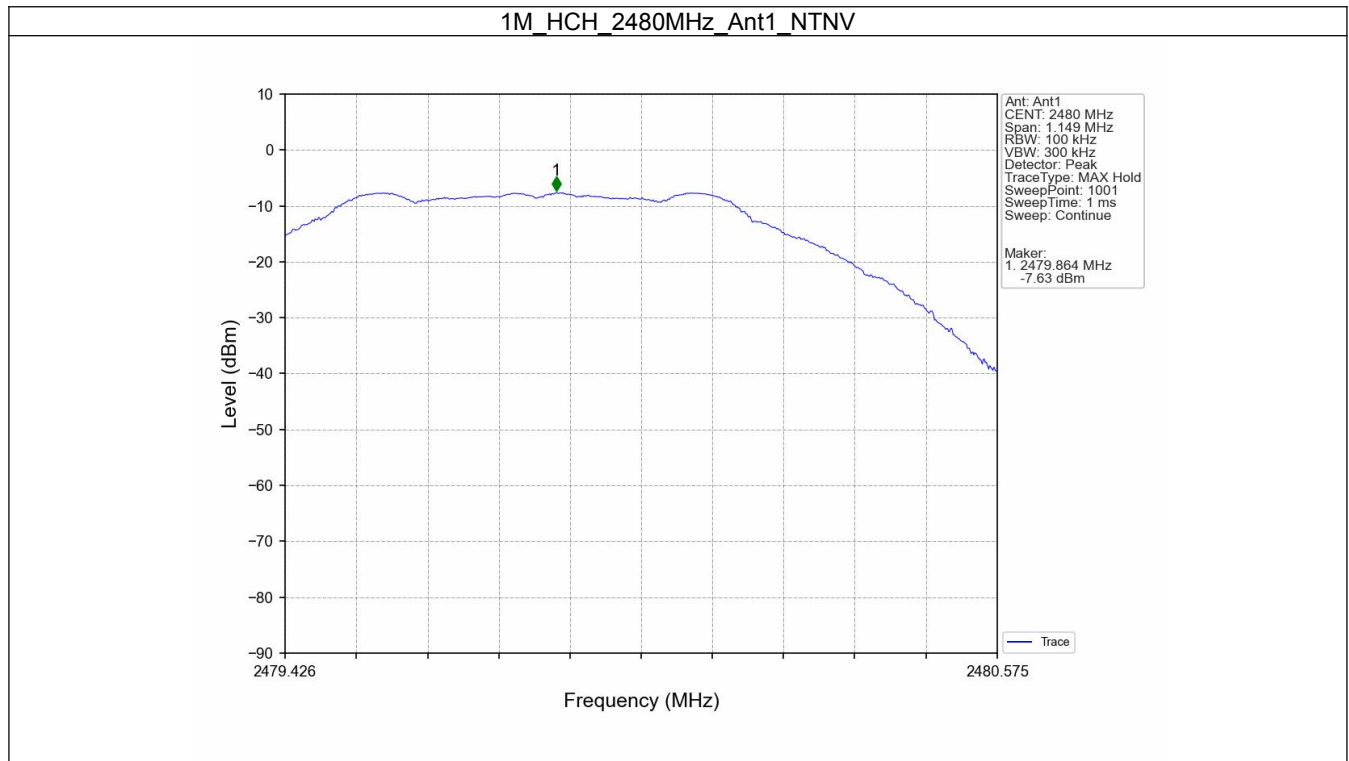
FCC ID: 2BFCV-S6PRO

4.2 Test Graph

4.2.1 Ref

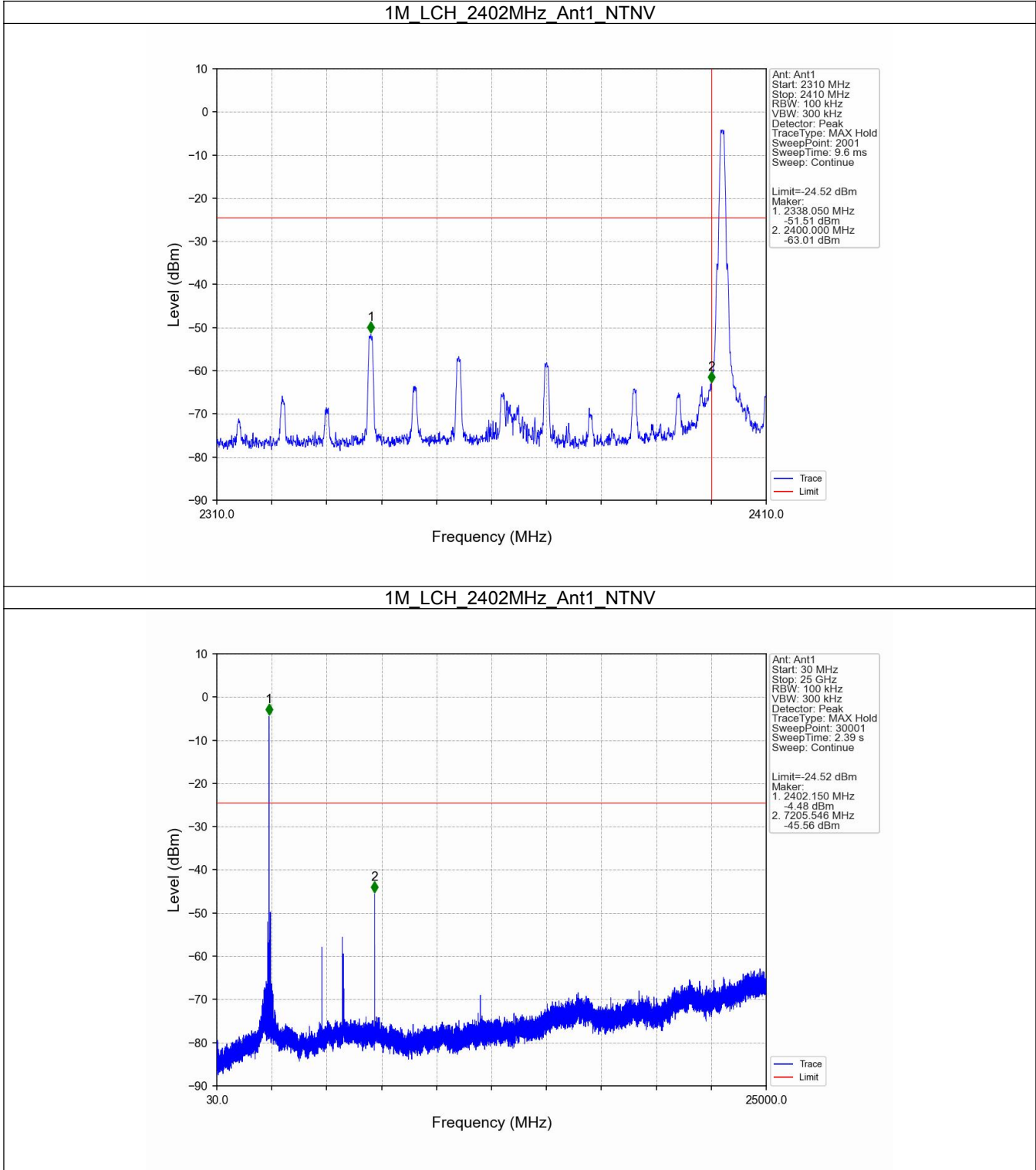


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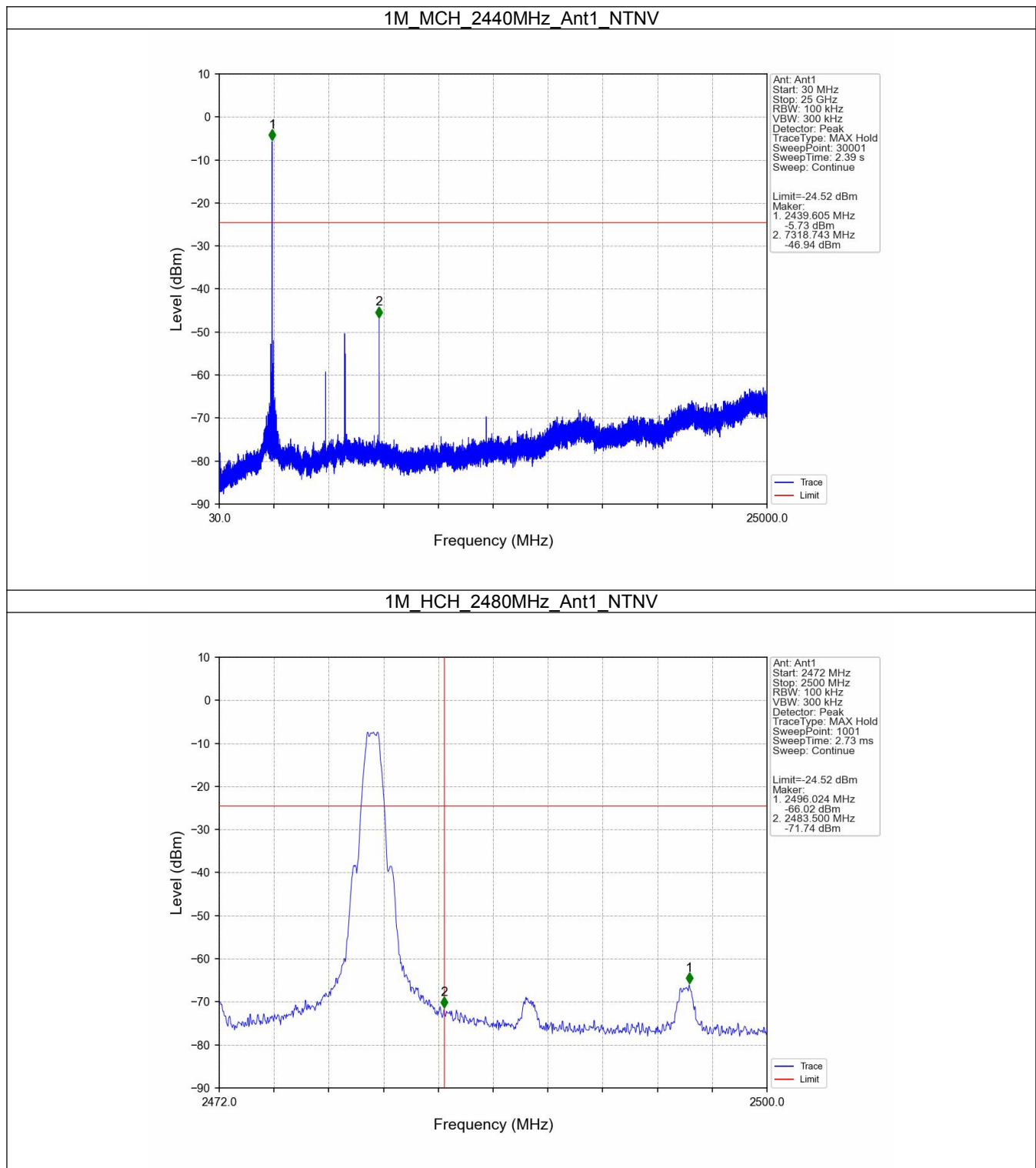


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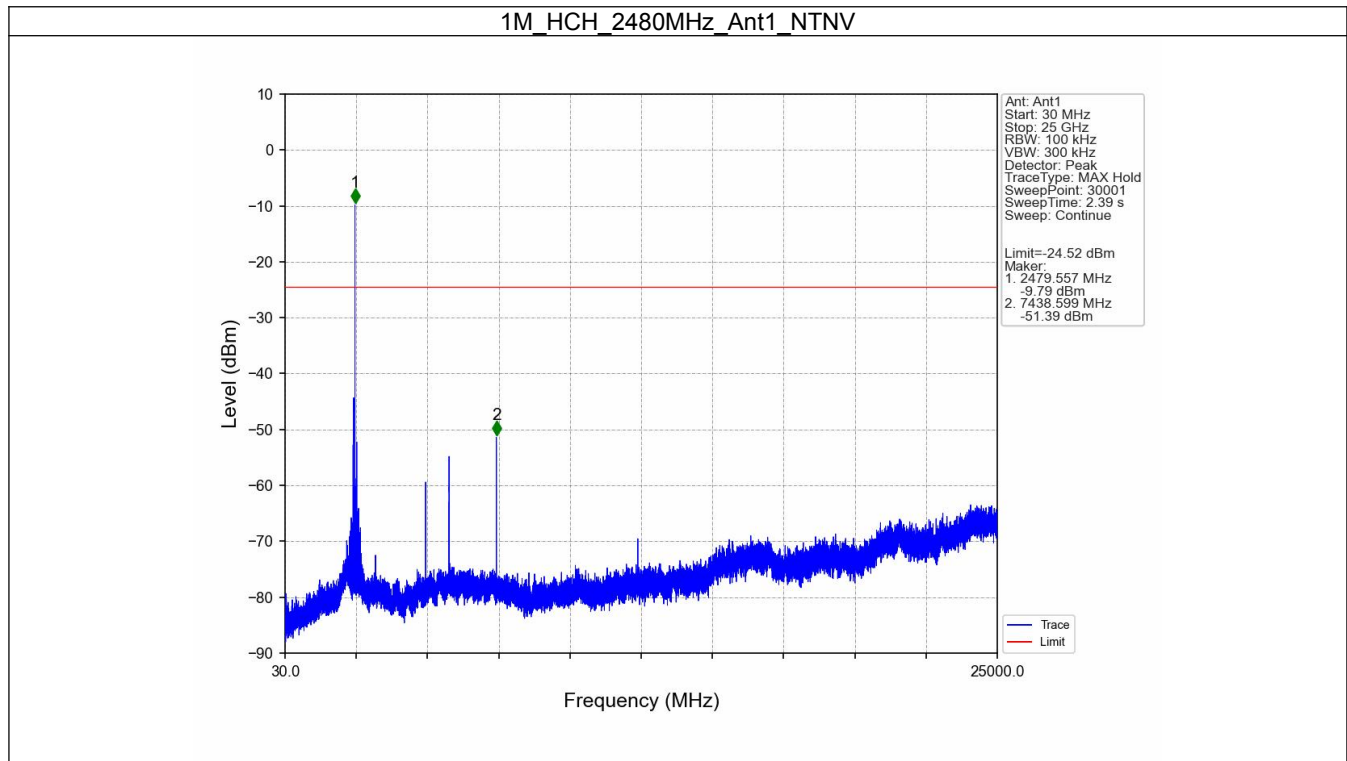
4.2.2 CSE



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5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0005	-3.01