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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202043-WF

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FCC ID: 2BFCV-FACE2P

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	1.237	/	Pass
		2440	1	1.228	/	Pass
		2480	1	1.212	/	Pass

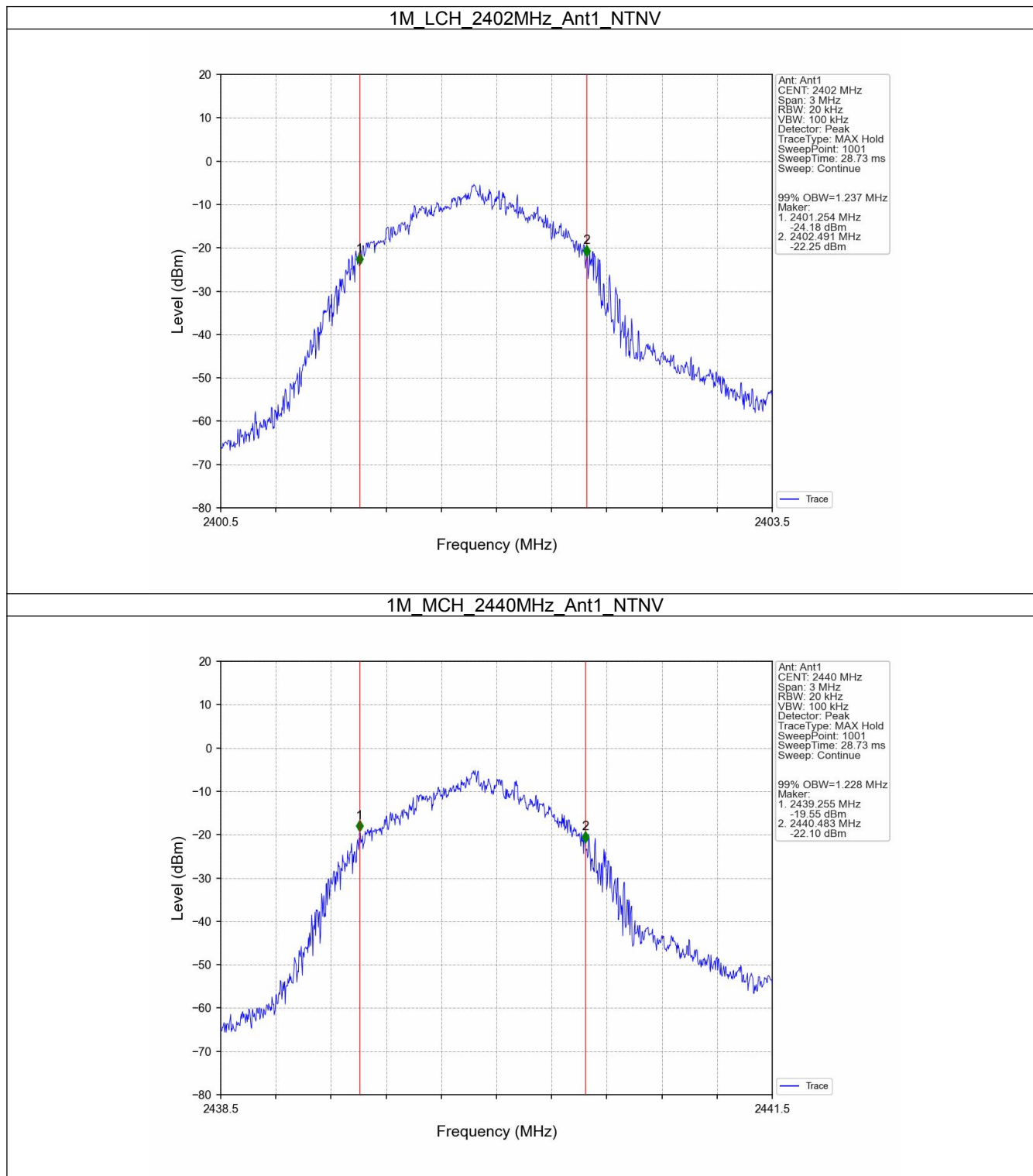
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.285	≥ 0.5	Pass
		2440	1	1.308	≥ 0.5	Pass
		2480	1	1.192	≥ 0.5	Pass

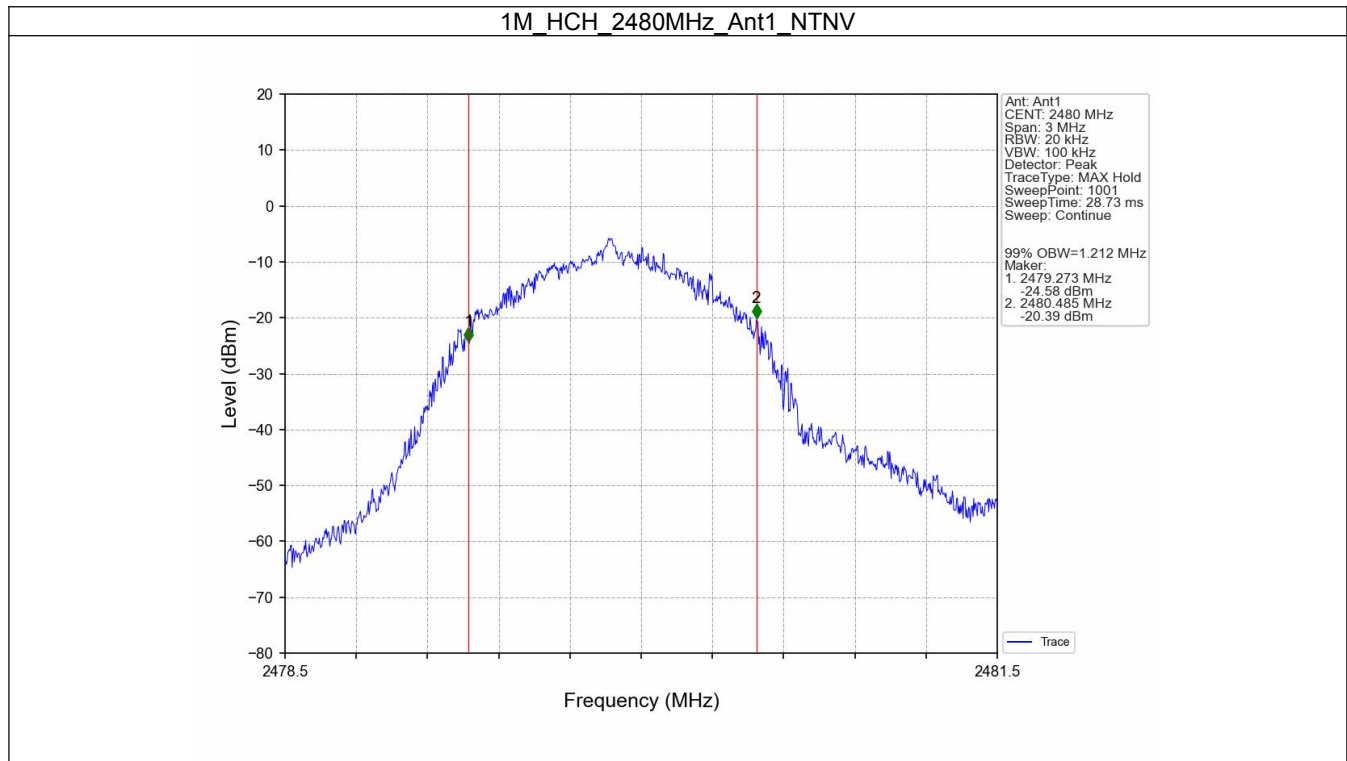
FCC ID: 2BFCV-FACE2P

1.2 Test Graph

1.2.1 OBW

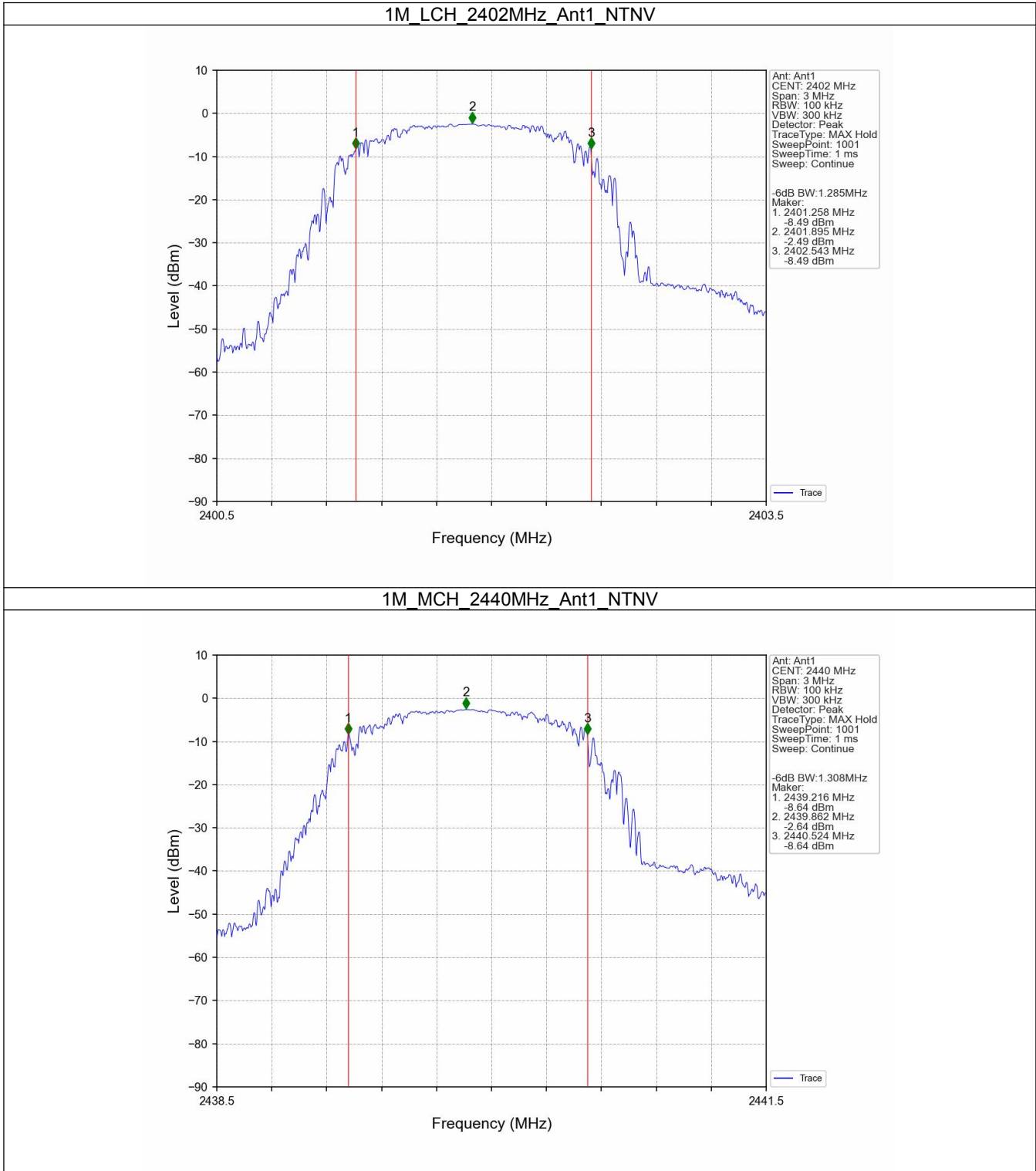


FCC ID: 2BFCV-FACE2P

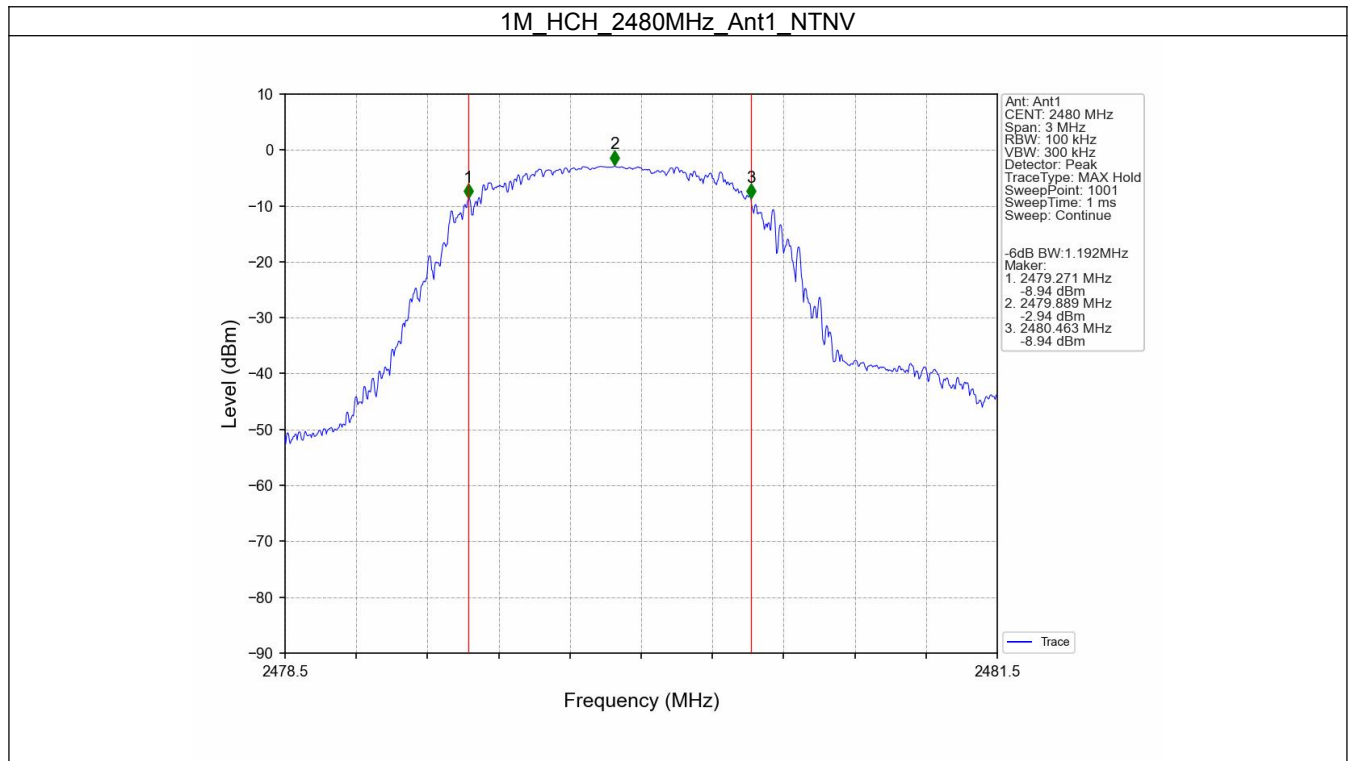


FCC ID: 2BFCV-FACE2P

1.2.2 6dB BW



FCC ID: 2BFCV-FACE2P



FCC ID: 2BFCV-FACE2P

2. Maximum Conducted Output Power

2.1 Test Result

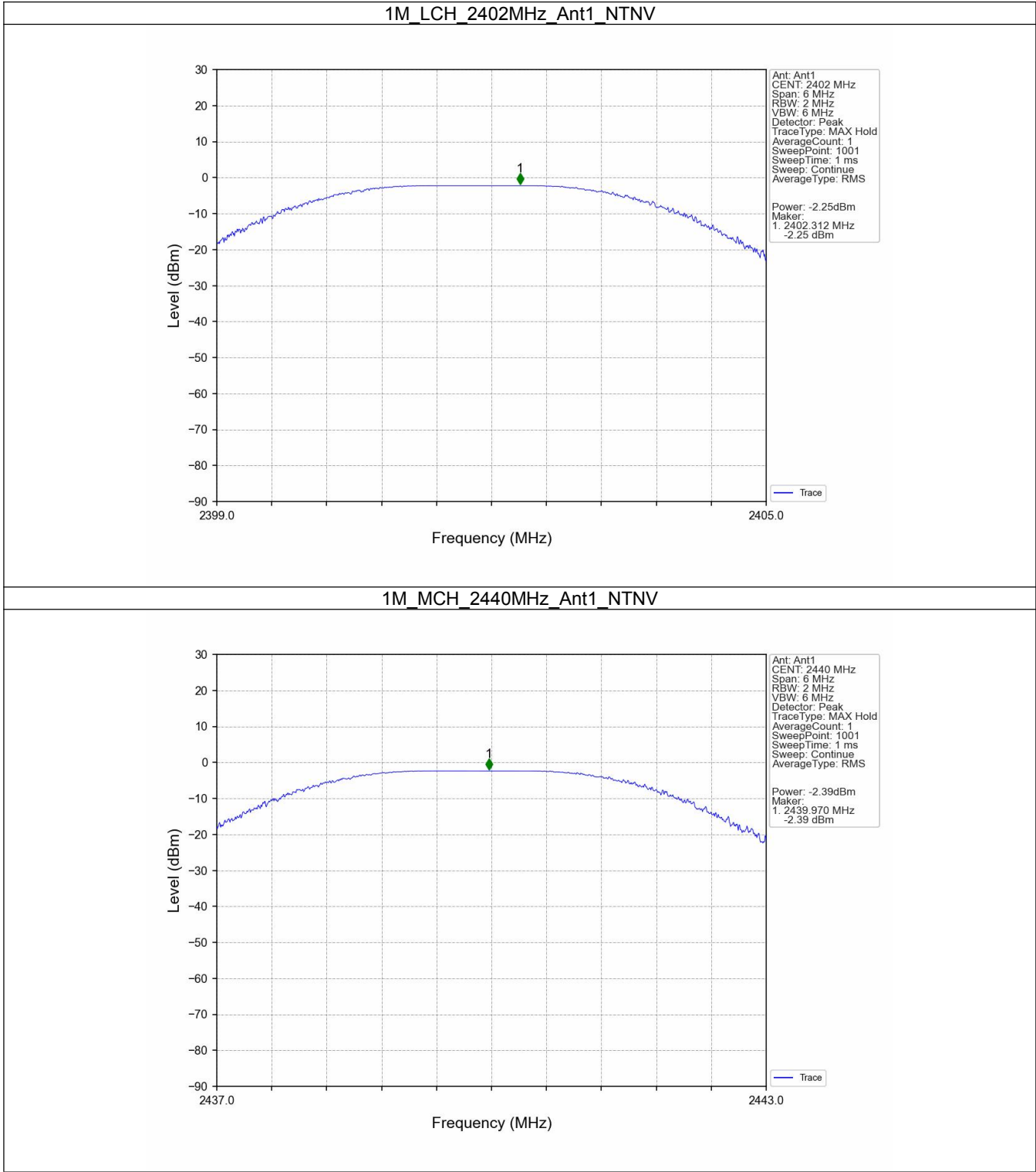
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.25	<=30	Pass
		2440	-2.39	<=30	Pass
		2480	-2.63	<=30	Pass
Note1: Antenna Gain: Ant1: 5.22dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

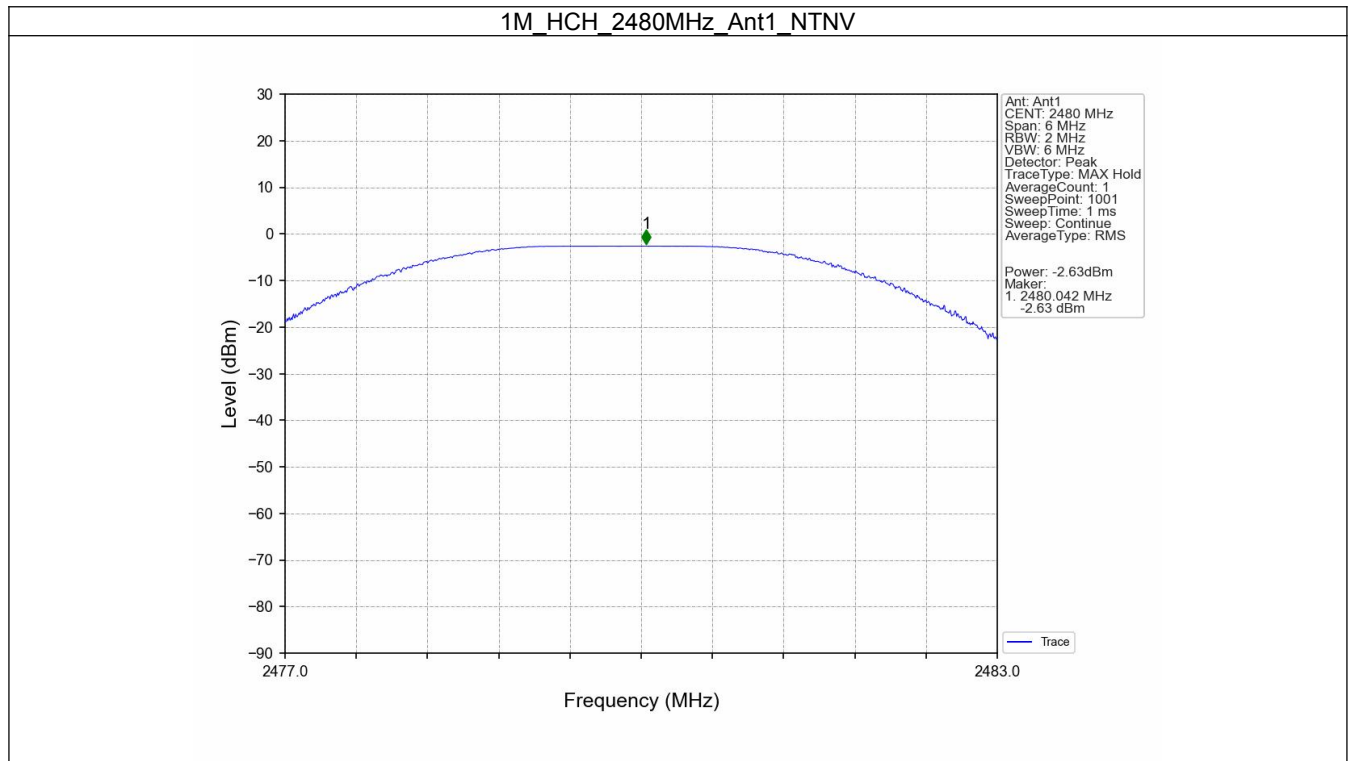
FCC ID: 2BFCV-FACE2P

2.2 Test Graph

2.2.1 Power



FCC ID: 2BFCV-FACE2P



FCC ID: 2BFCV-FACE2P

3. Maximum Power Spectral Density

3.1 Test Result

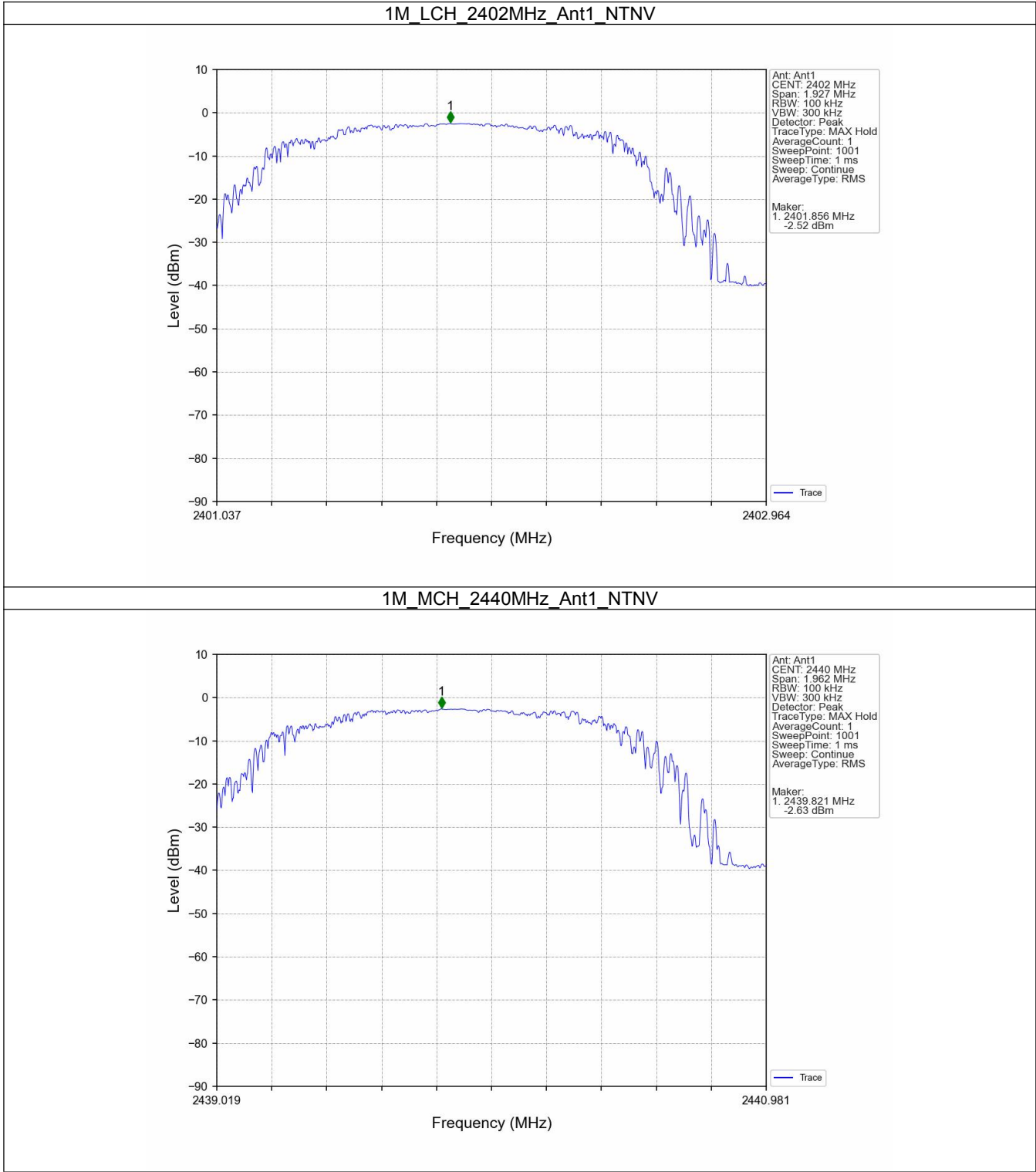
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.52	<=8	Pass
		2440	-2.63	<=8	Pass
		2480	-2.93	<=8	Pass
Note1: Antenna Gain: Ant1: 5.22dBi; Note2: RF Cable loss=0.5dB Note3: The test results include RF Cable loss.					

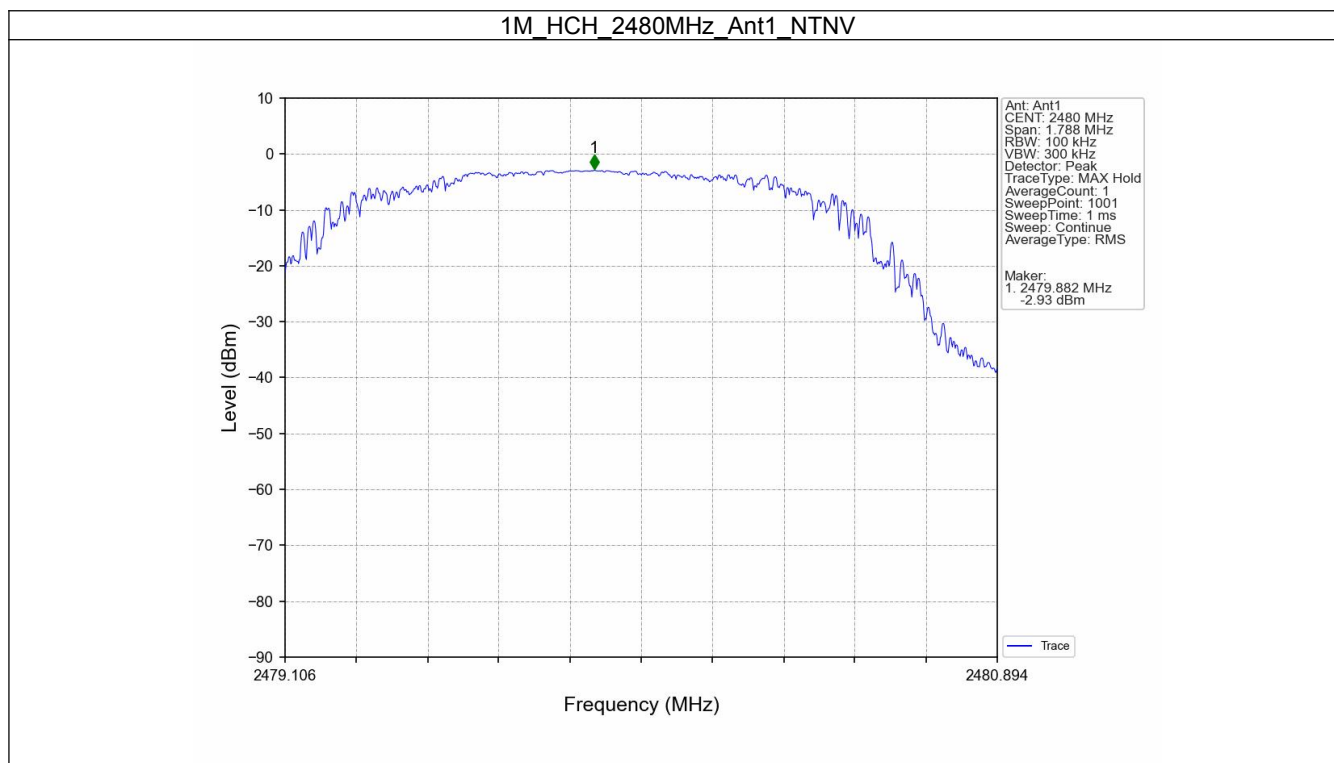
FCC ID: 2BFCV-FACE2P

3.2 Test Graph

3.2.1 PSD



FCC ID: 2BFCV-FACE2P



FCC ID: 2BFCV-FACE2P

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	-2.50
		2440	1	-2.64
		2480	1	-2.91

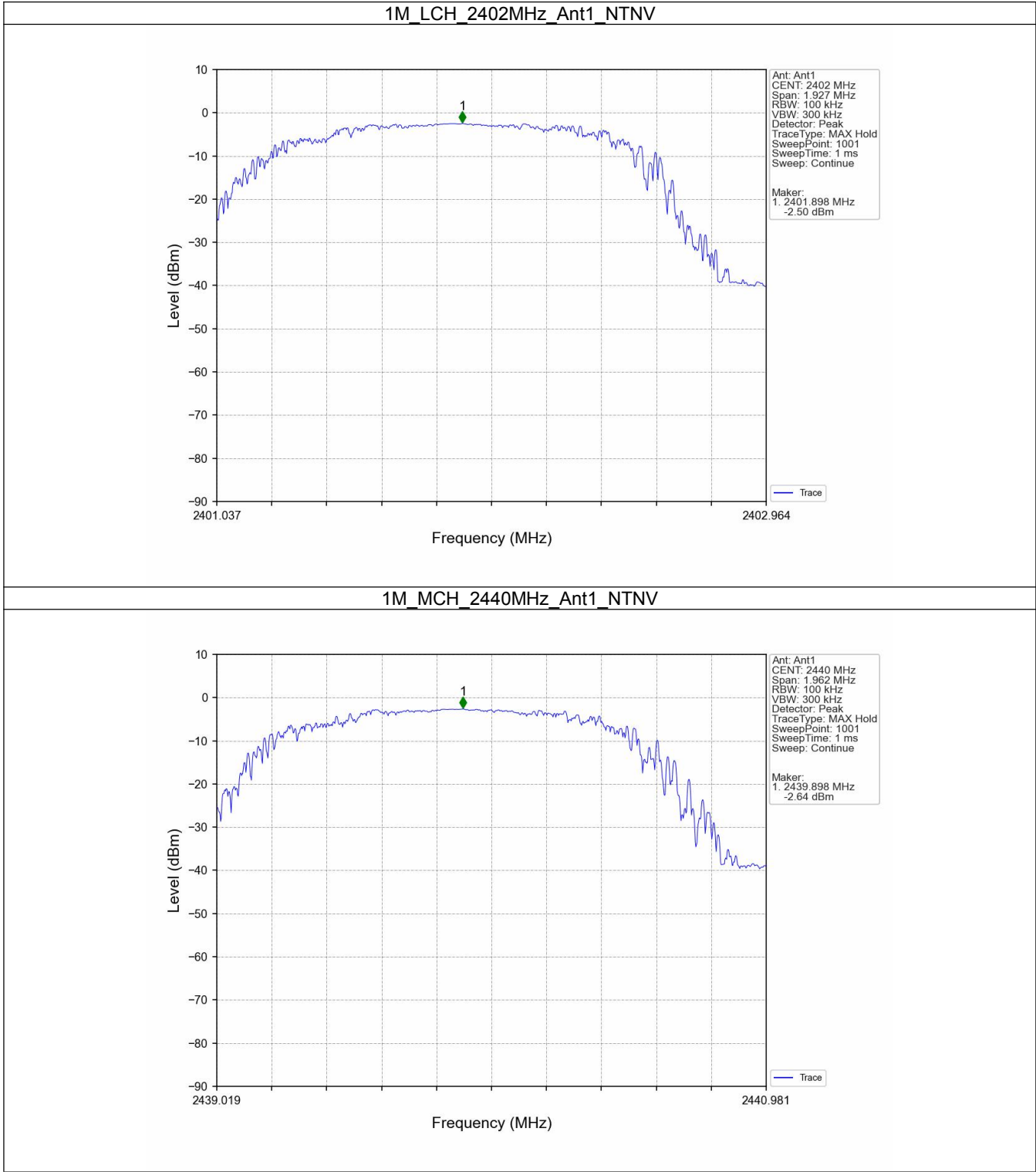
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.50	-22.50	Pass
		2440	1	-2.50	-22.50	Pass
		2480	1	-2.50	-22.50	Pass

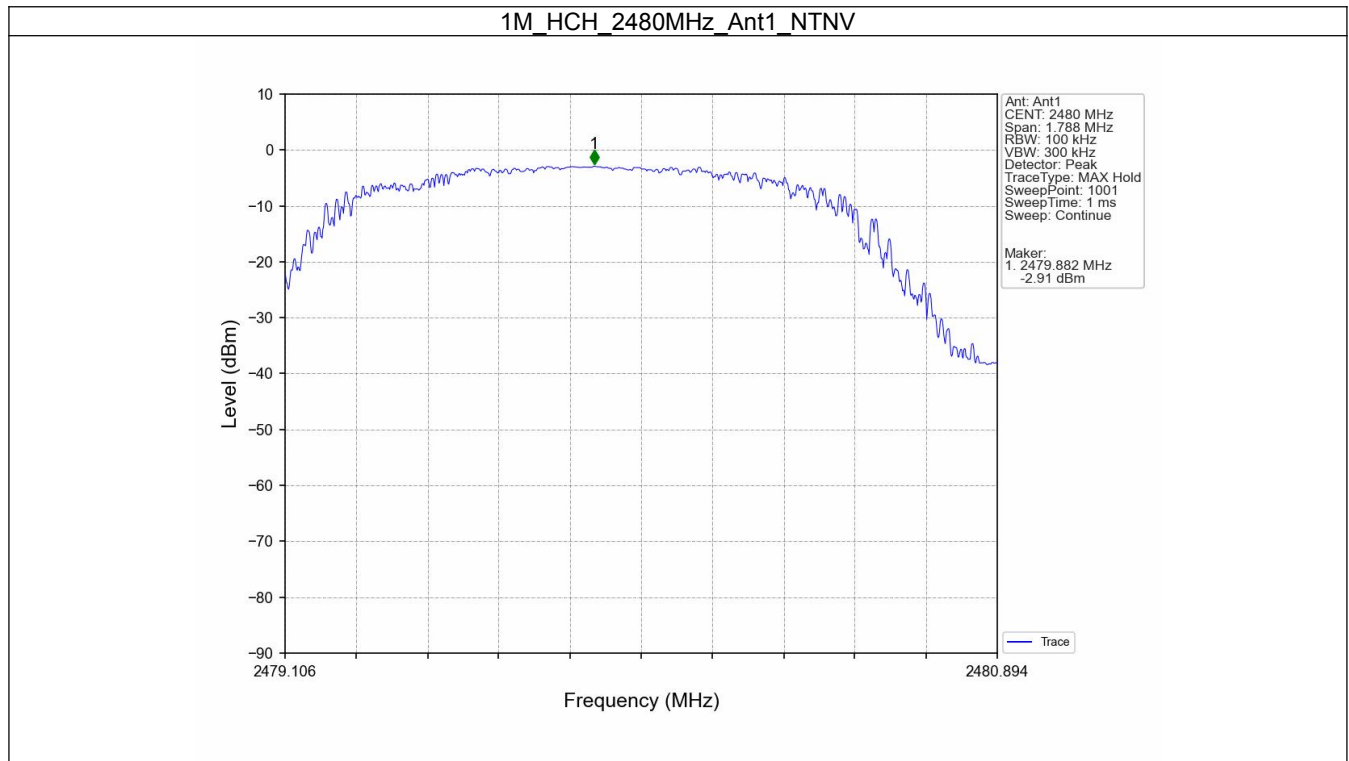
FCC ID: 2BFCV-FACE2P

4.2 Test Graph

4.2.1 Ref

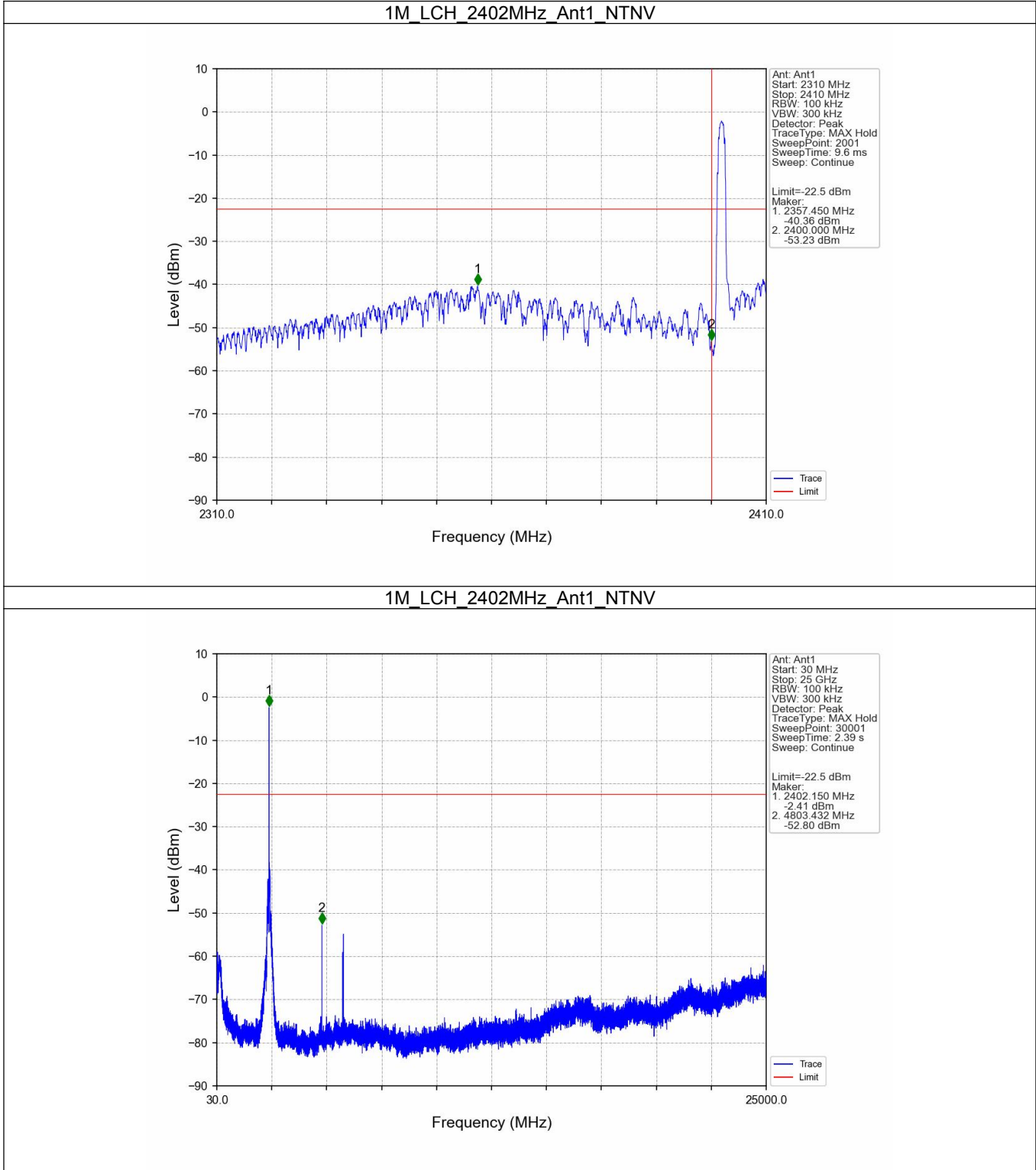


FCC ID: 2BFCV-FACE2P

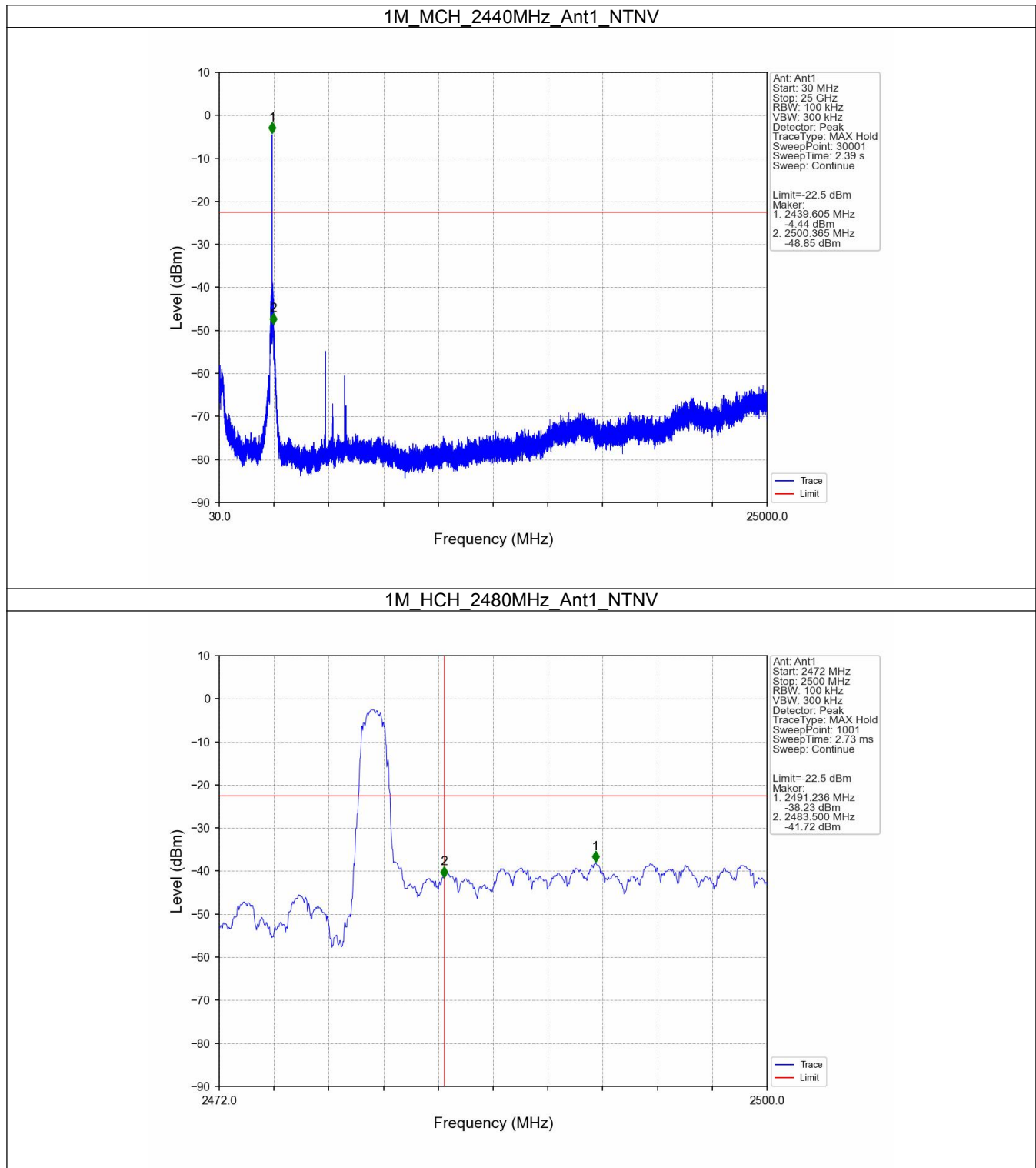


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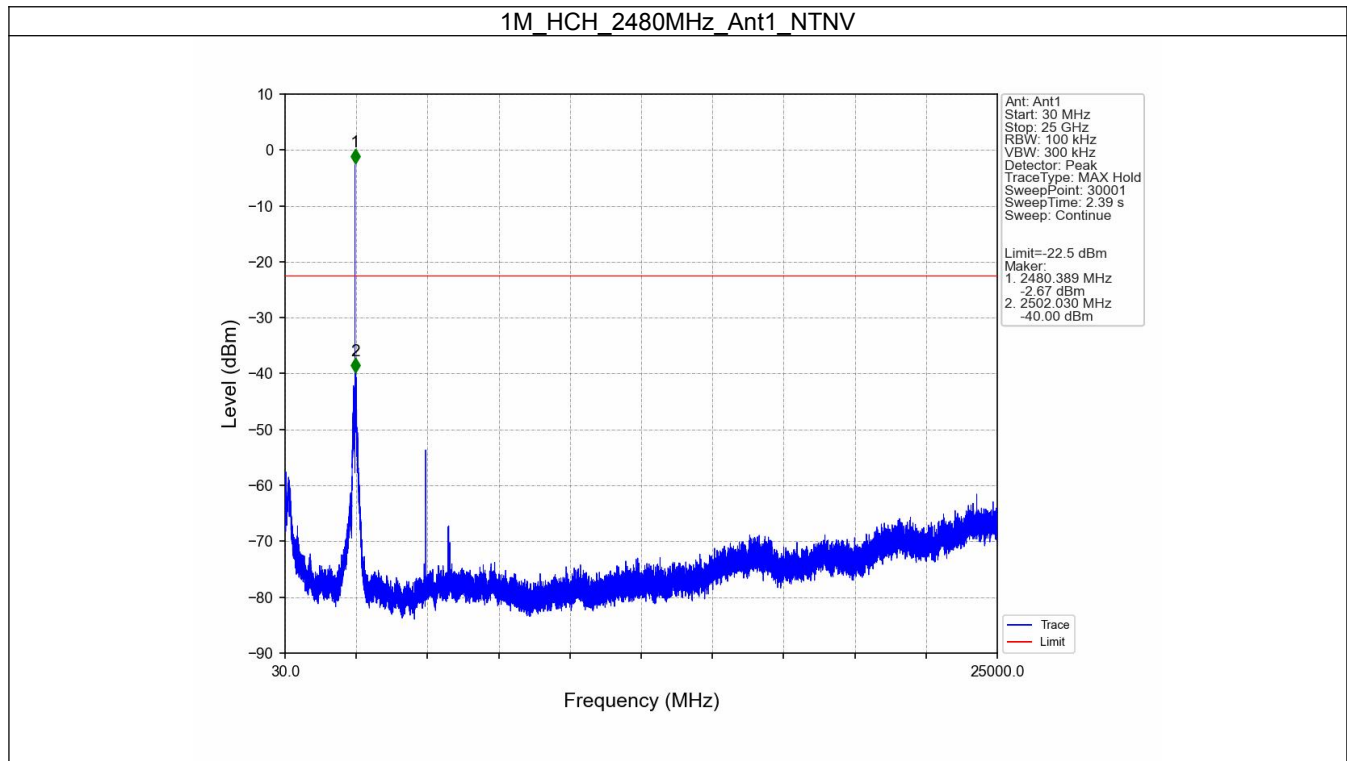
4.2.2 CSE



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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	0.0006	-2.25