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Annex for Bluetooth Low Energy

Test Report No.: CTL2601202047-WF01

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FCC ID: 2BFCV-FACE2

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	0.989	/	Pass
		2440	1	0.997	/	Pass
		2480	1	0.998	/	Pass
2M	SISO	2402	1	1.989	/	Pass
		2440	1	1.994	/	Pass
		2480	1	2.006	/	Pass

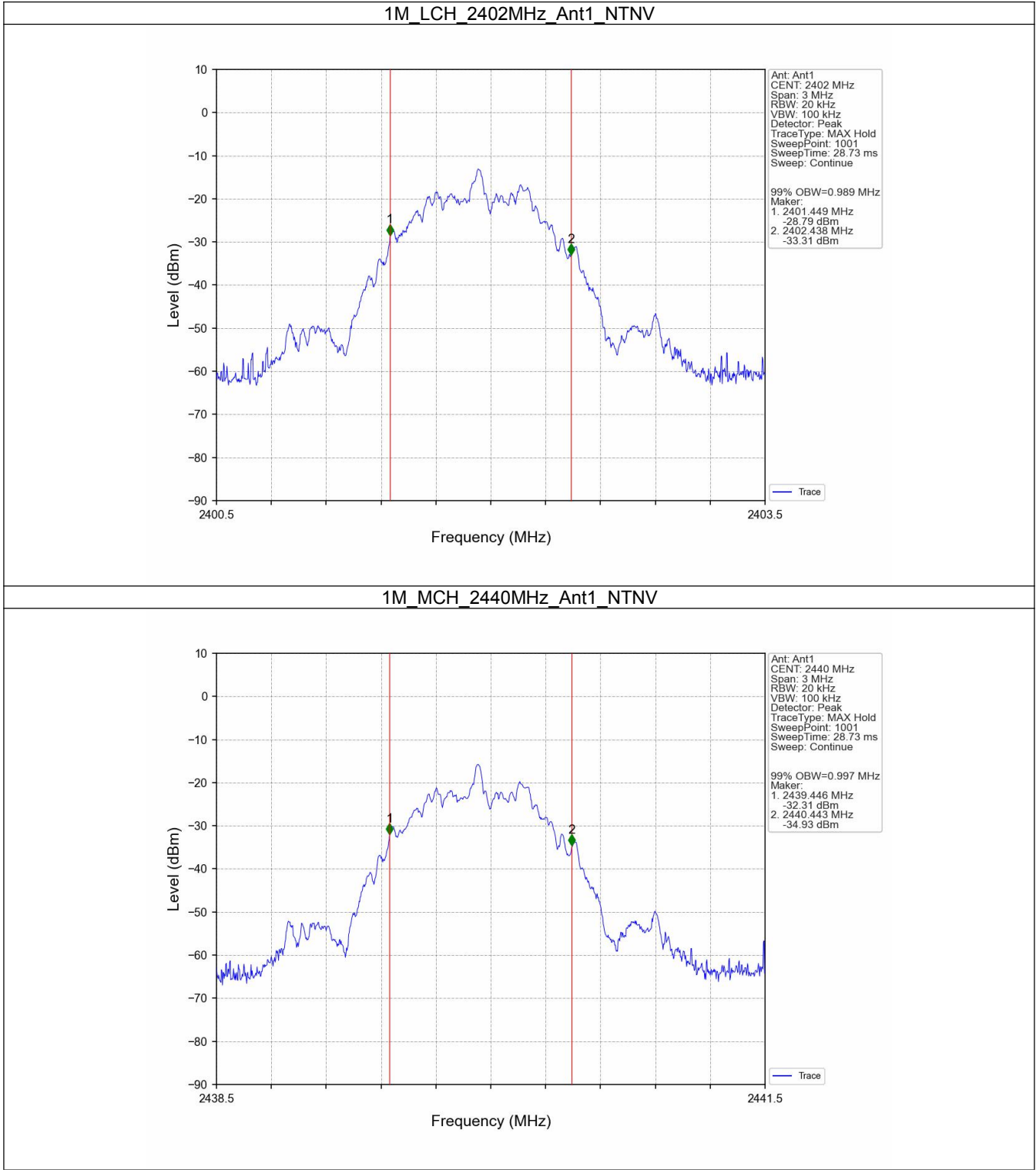
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.679	≥ 0.5	Pass
		2440	1	0.665	≥ 0.5	Pass
		2480	1	0.671	≥ 0.5	Pass
2M	SISO	2402	1	1.163	≥ 0.5	Pass
		2440	1	1.166	≥ 0.5	Pass
		2480	1	1.168	≥ 0.5	Pass

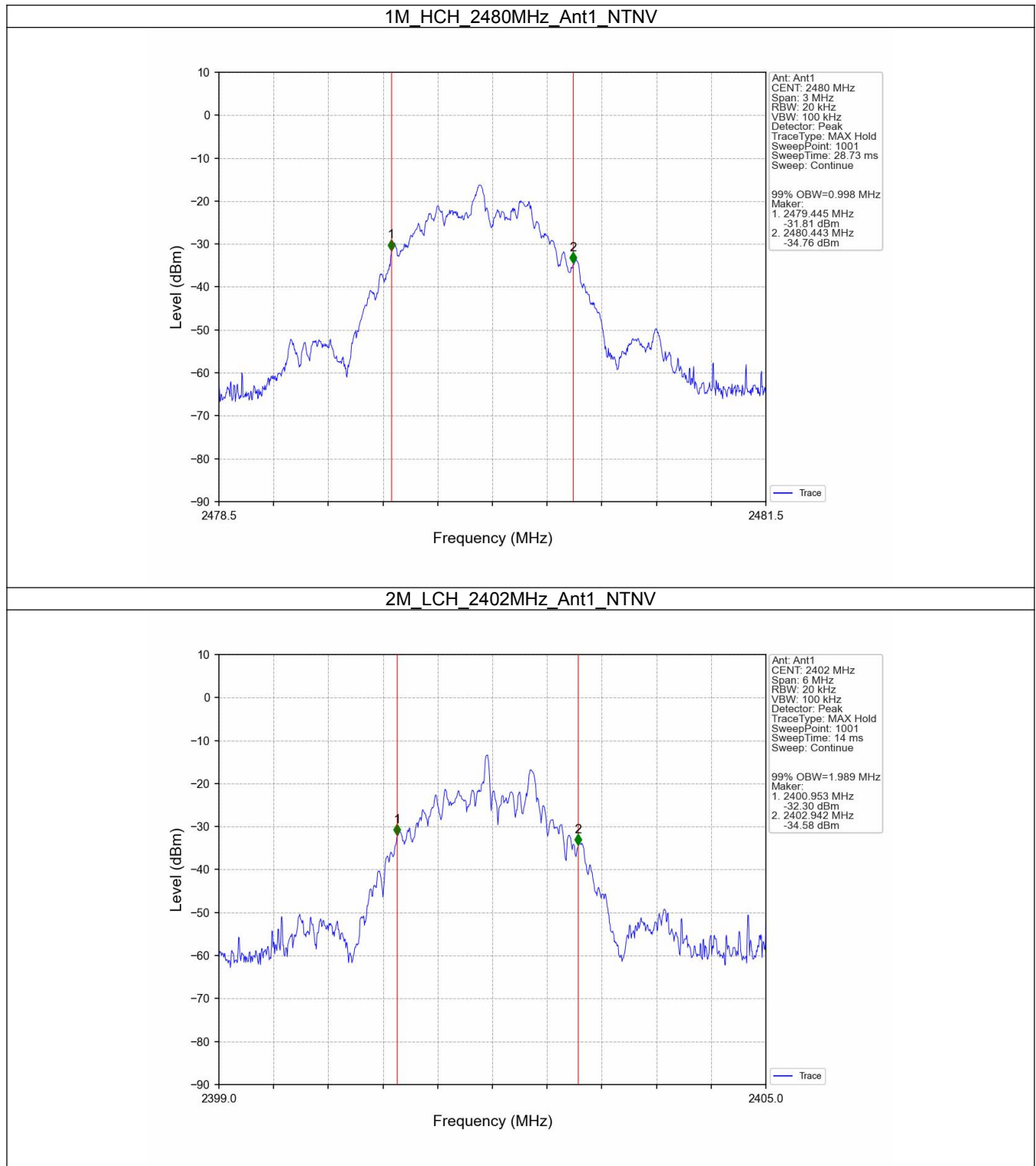
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1.2 Test Graph

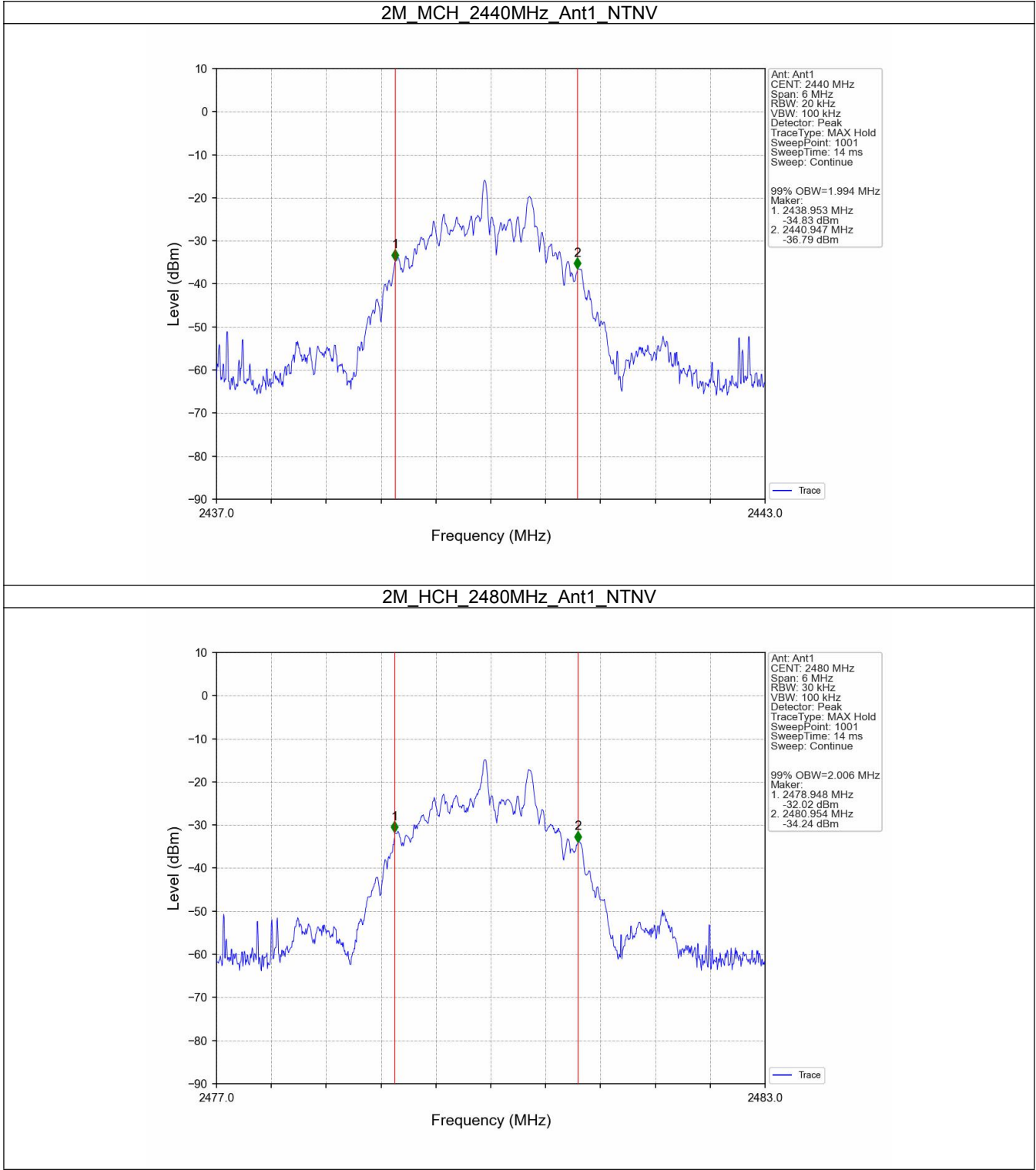
1.2.1 OBW



FCC ID: 2BFCV-FACE2

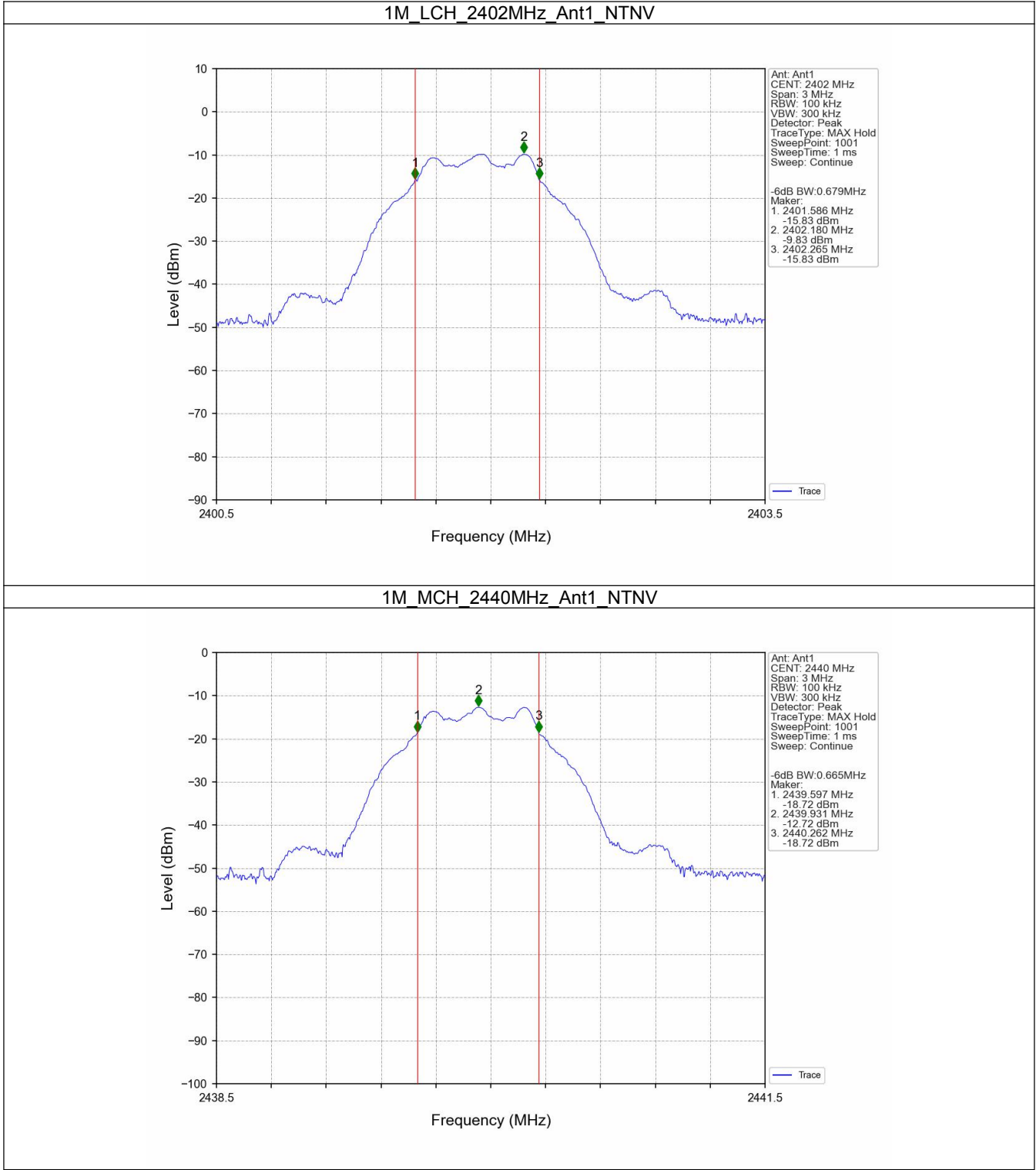


FCC ID: 2BFCV-FACE2

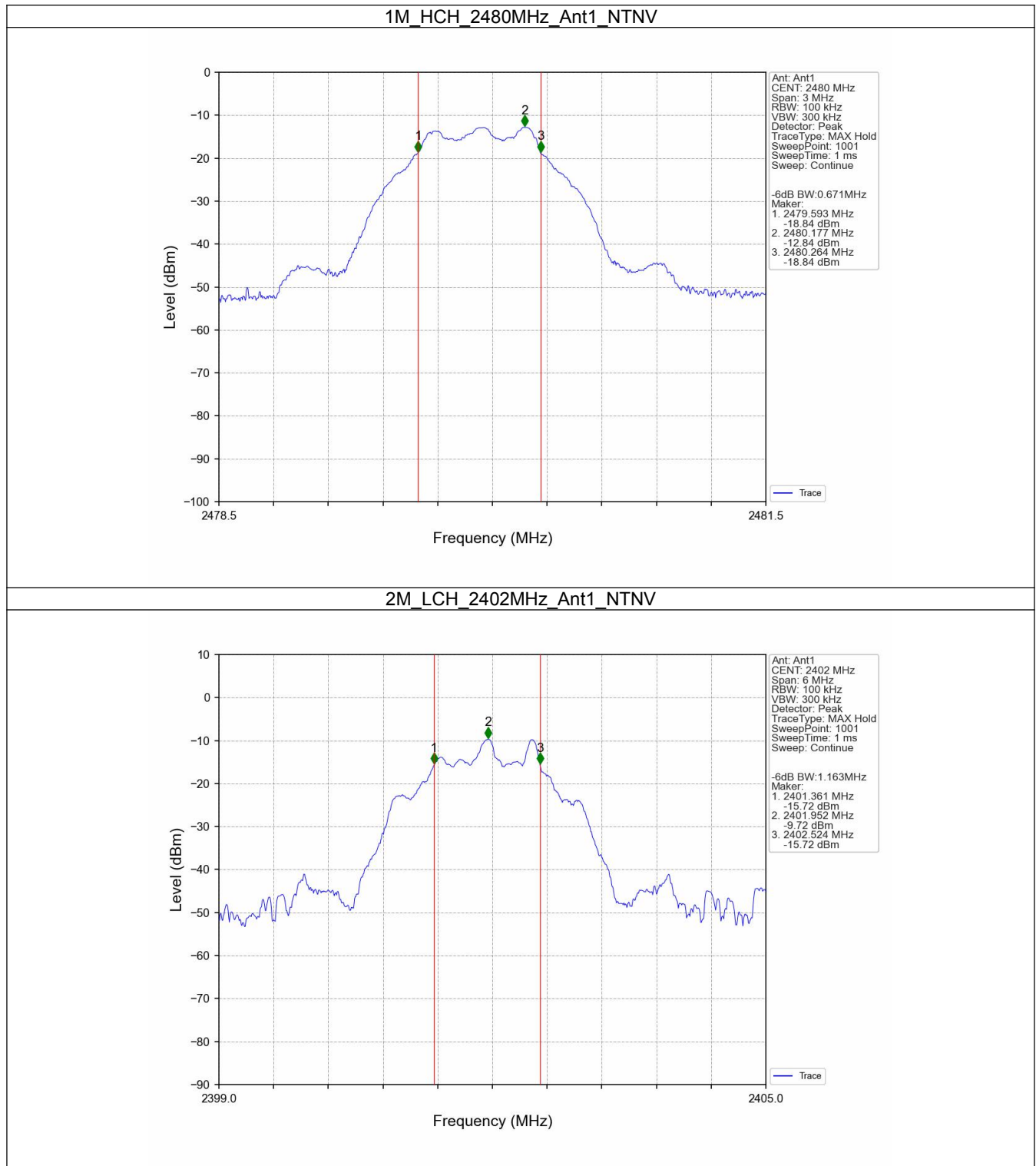


FCC ID: 2BFCV-FACE2

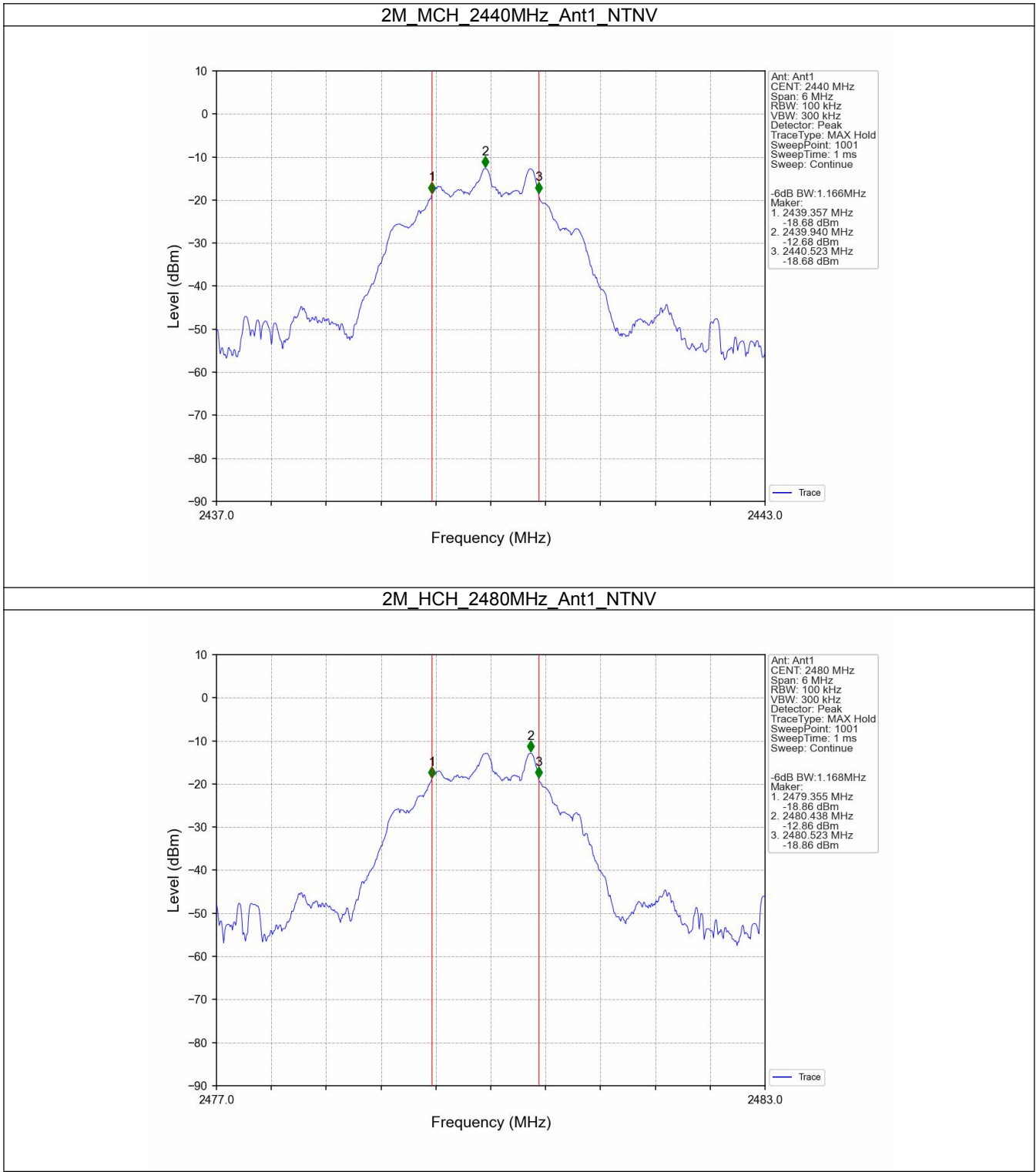
1.2.2 6dB BW



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2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

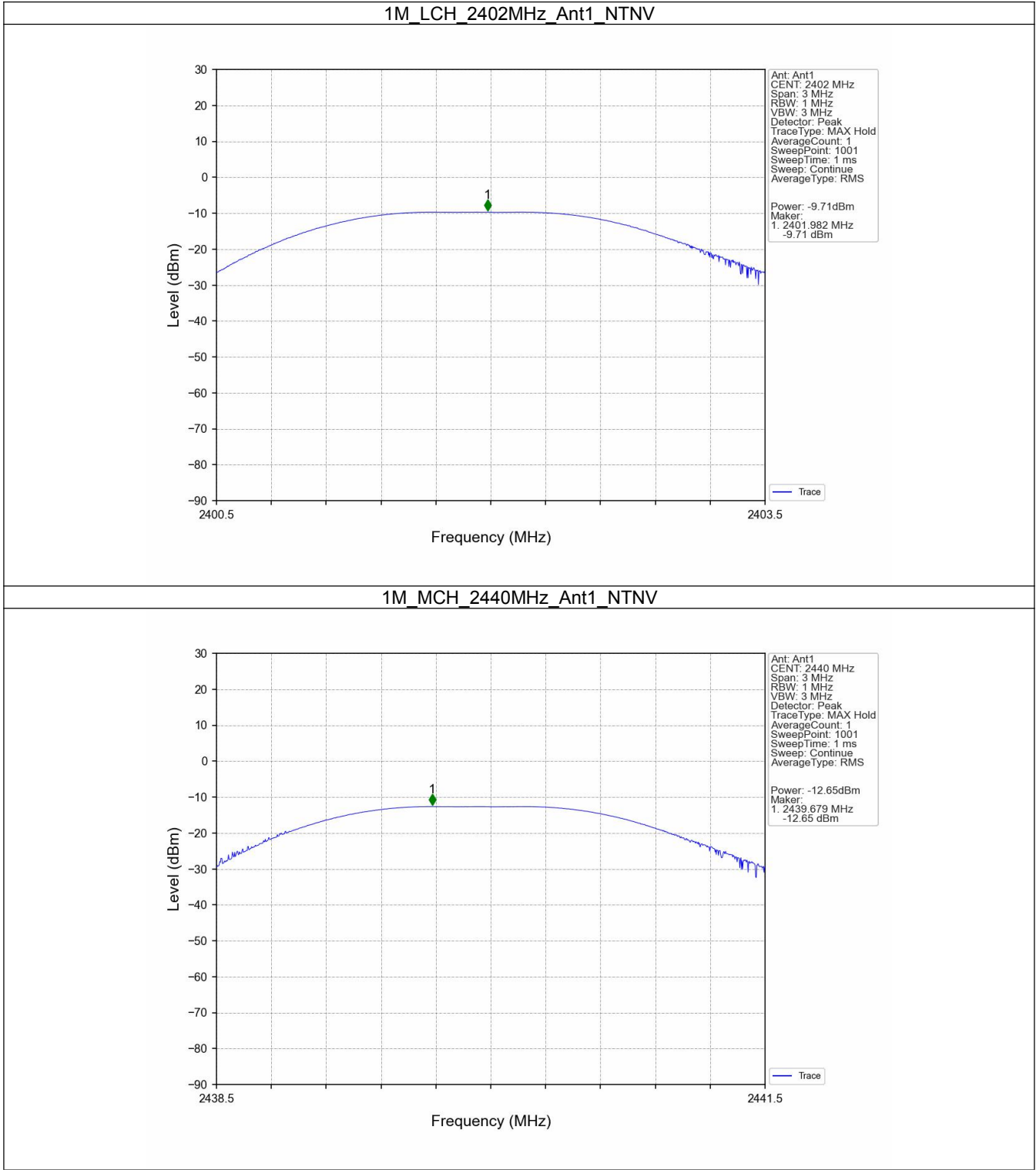
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-9.71	<=30	Pass
		2440	-12.65	<=30	Pass
		2480	-12.74	<=30	Pass
2M	SISO	2402	-9.65	<=30	Pass
		2440	-12.64	<=30	Pass
		2480	-12.78	<=30	Pass

Note1: Antenna Gain: Ant1: 5.15dBi;

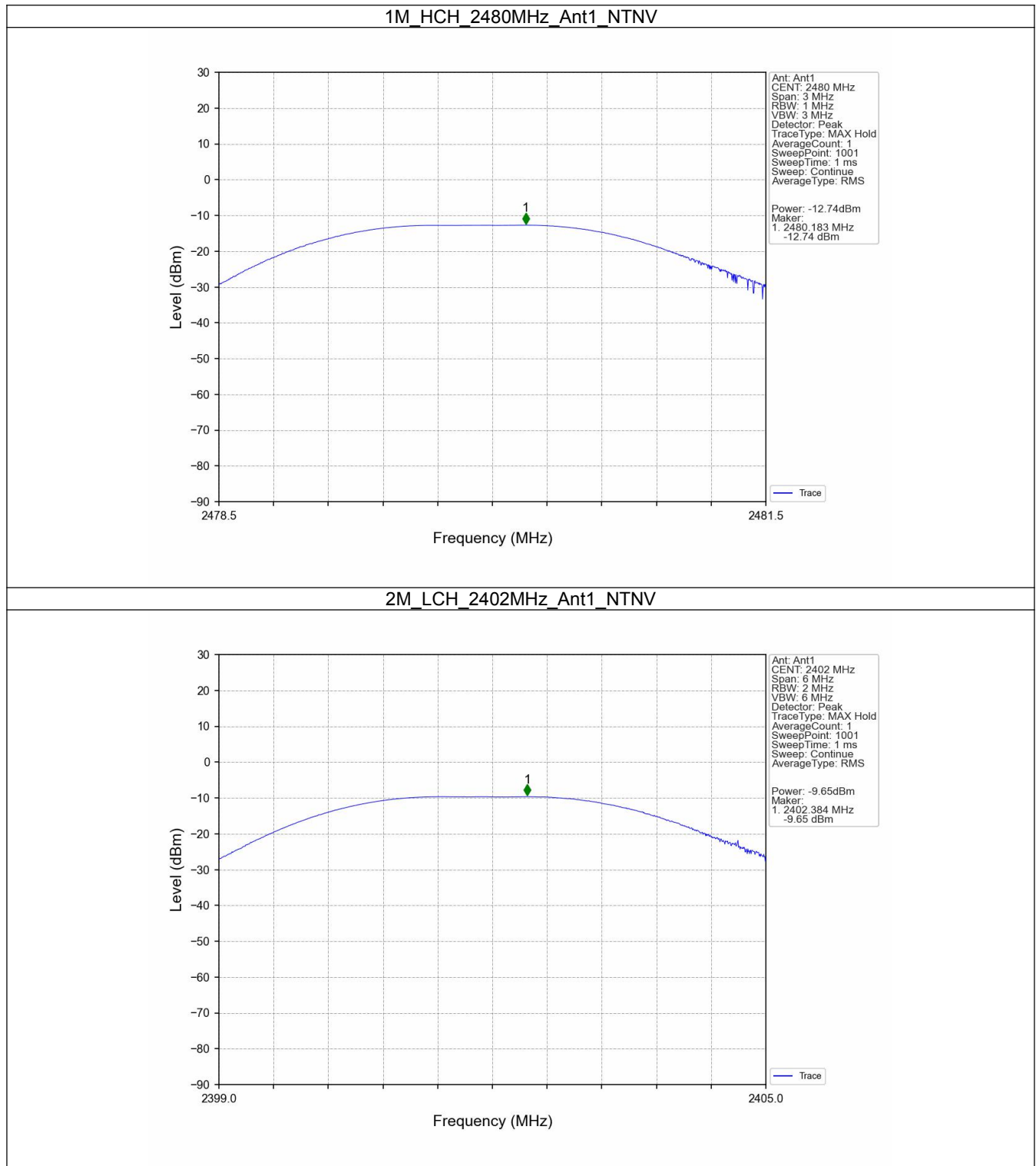
FCC ID: 2BFCV-FACE2

2.2 Test Graph

2.2.1 Power

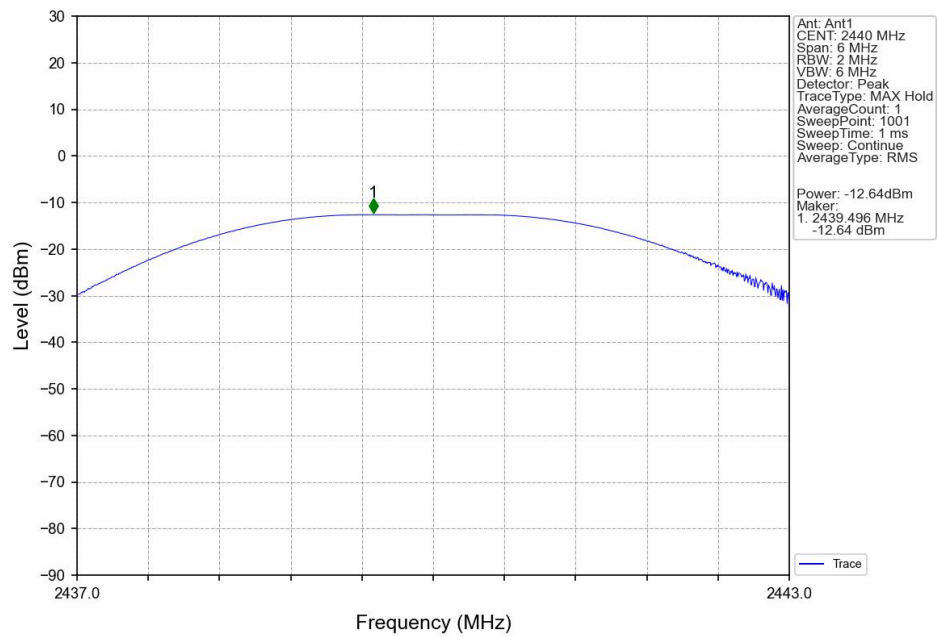


FCC ID: 2BFCV-FACE2

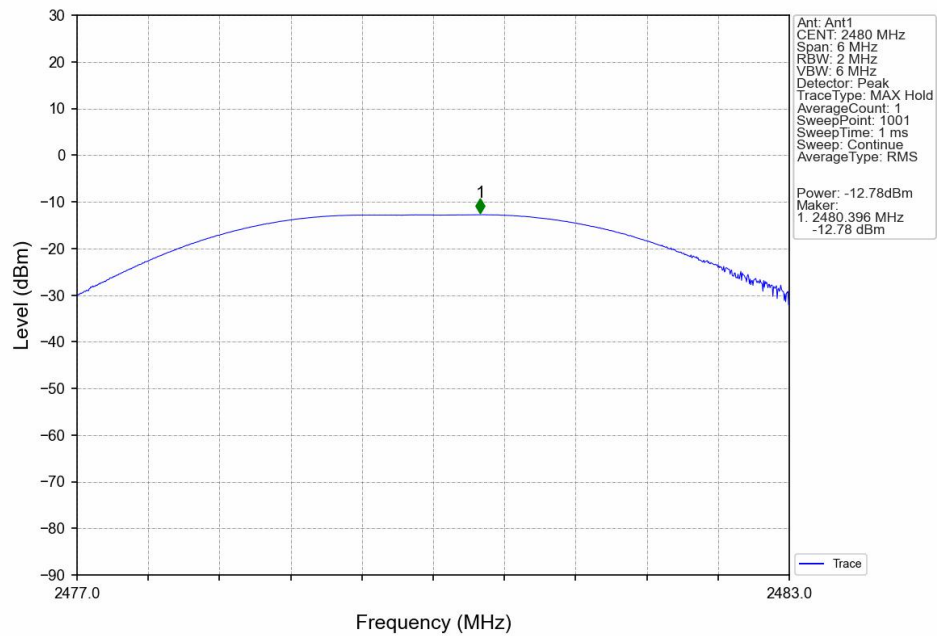


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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



FCC ID: 2BFCV-FACE2

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

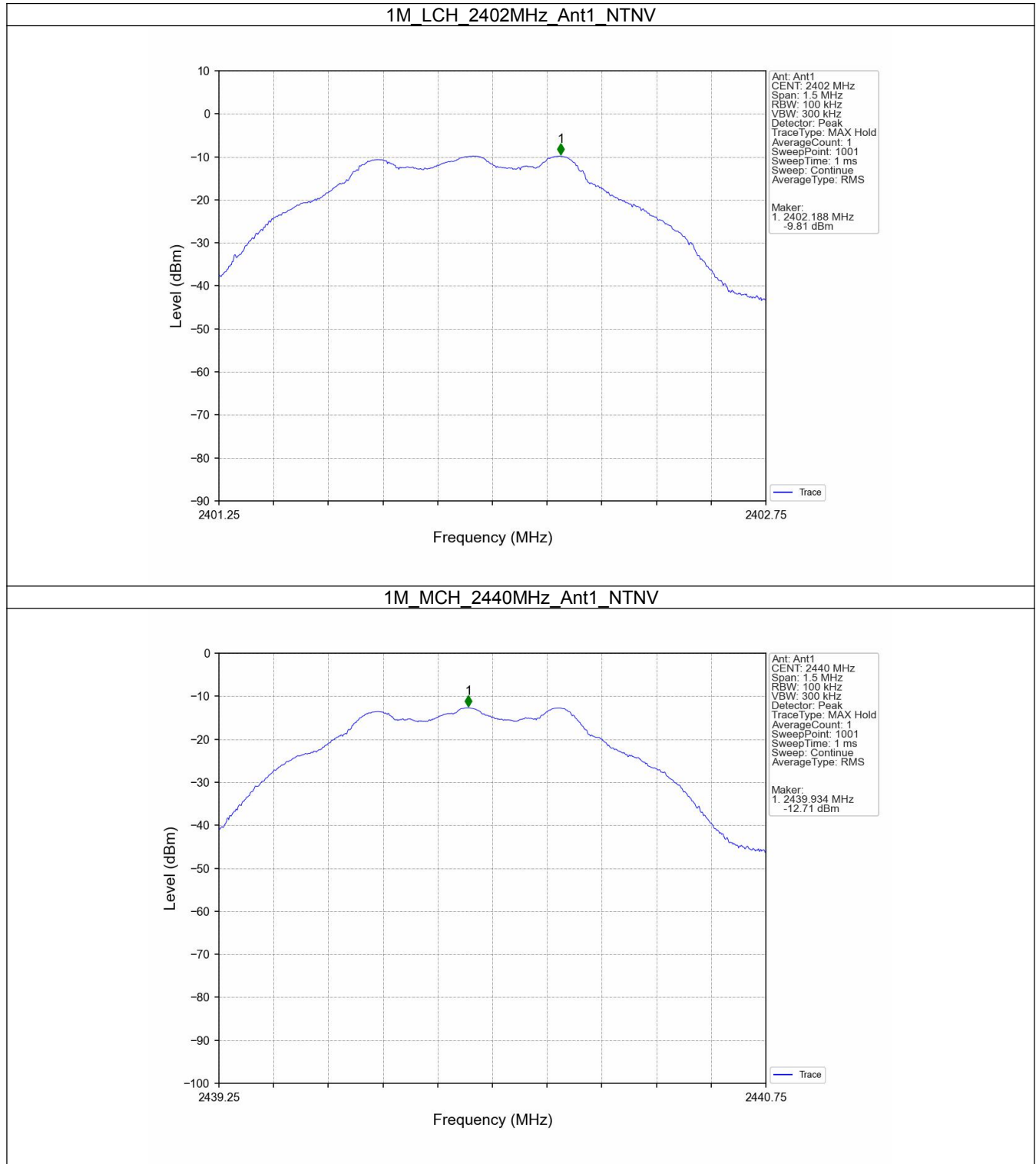
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-9.81	<=8	Pass
		2440	-12.71	<=8	Pass
		2480	-12.83	<=8	Pass
2M	SISO	2402	-9.84	<=8	Pass
		2440	-12.74	<=8	Pass
		2480	-12.90	<=8	Pass

Note1: Antenna Gain: Ant1: 5.15dBi;

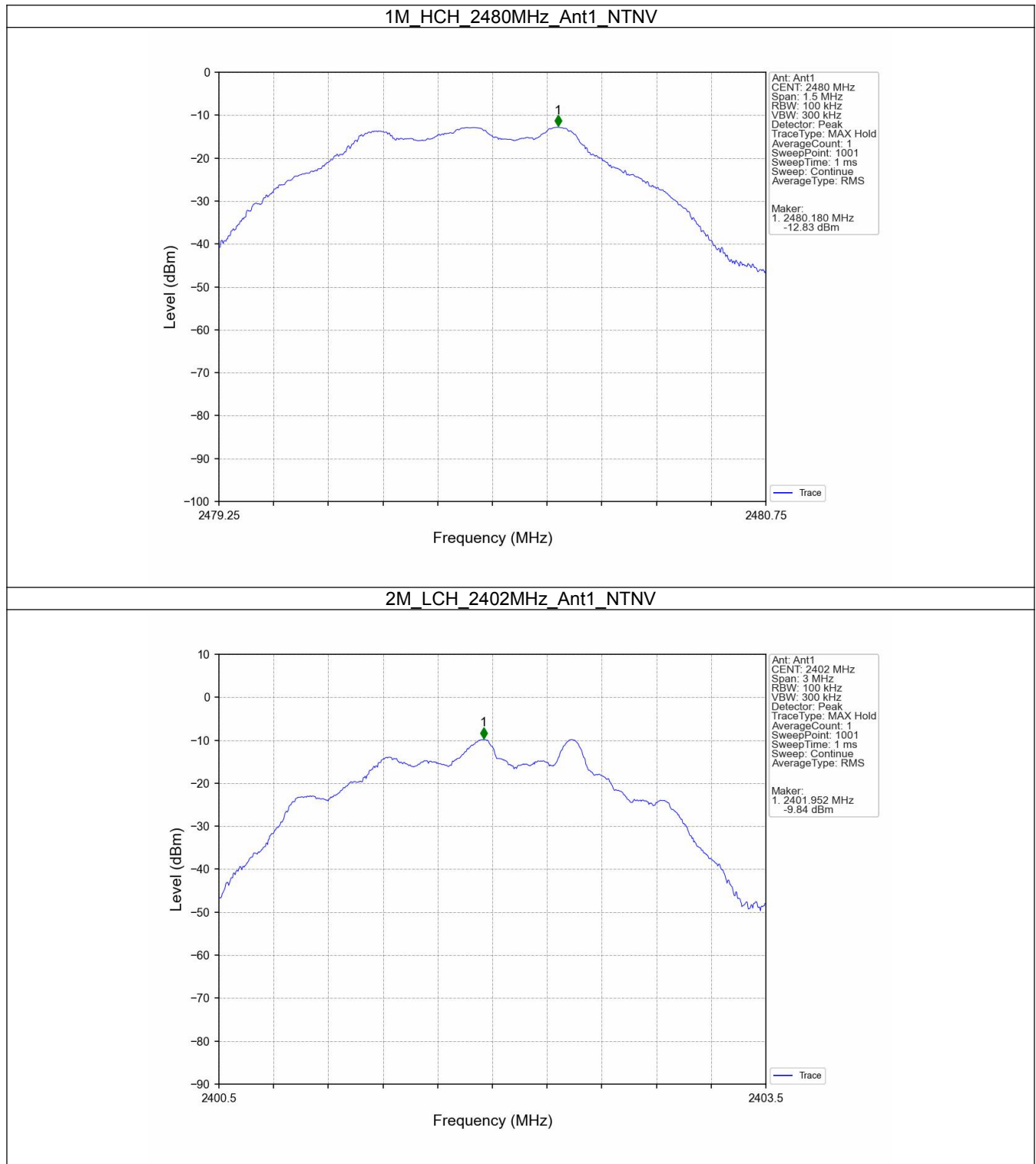
FCC ID: 2BFCV-FACE2

3.2 Test Graph

3.2.1 PSD

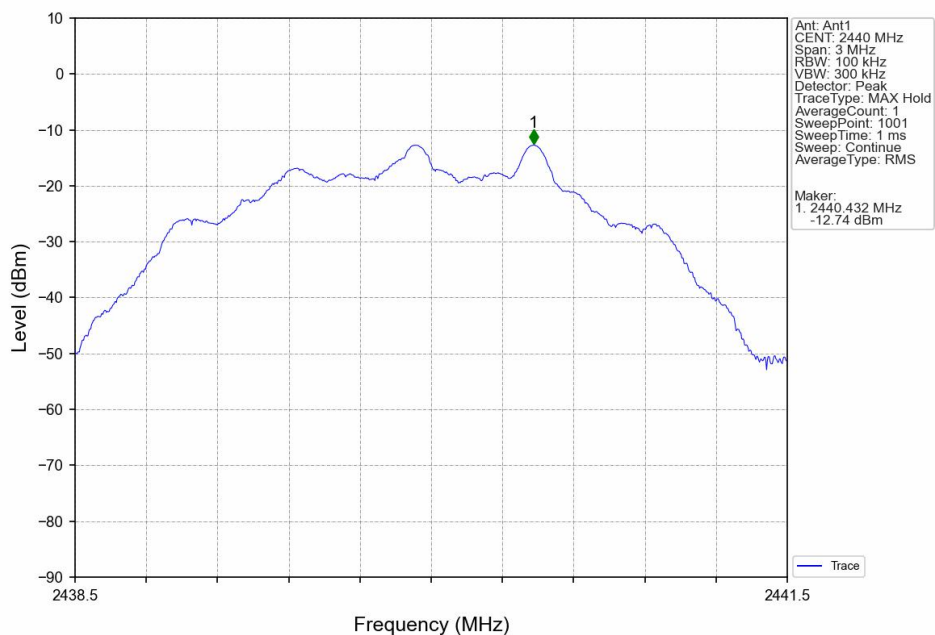


FCC ID: 2BFCV-FACE2

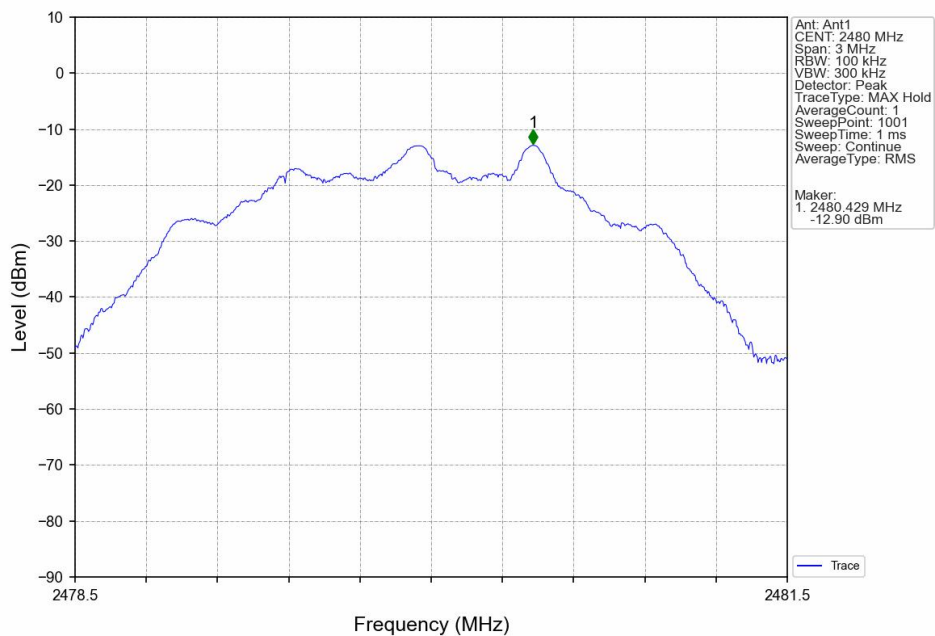


FCC ID: 2BFCV-FACE2

2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



FCC ID: 2BFCV-FACE2

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	-9.82
		2440	1	-12.74
		2480	1	-12.84
2M	SISO	2402	1	-9.84
		2440	1	-12.75
		2480	1	-13.01

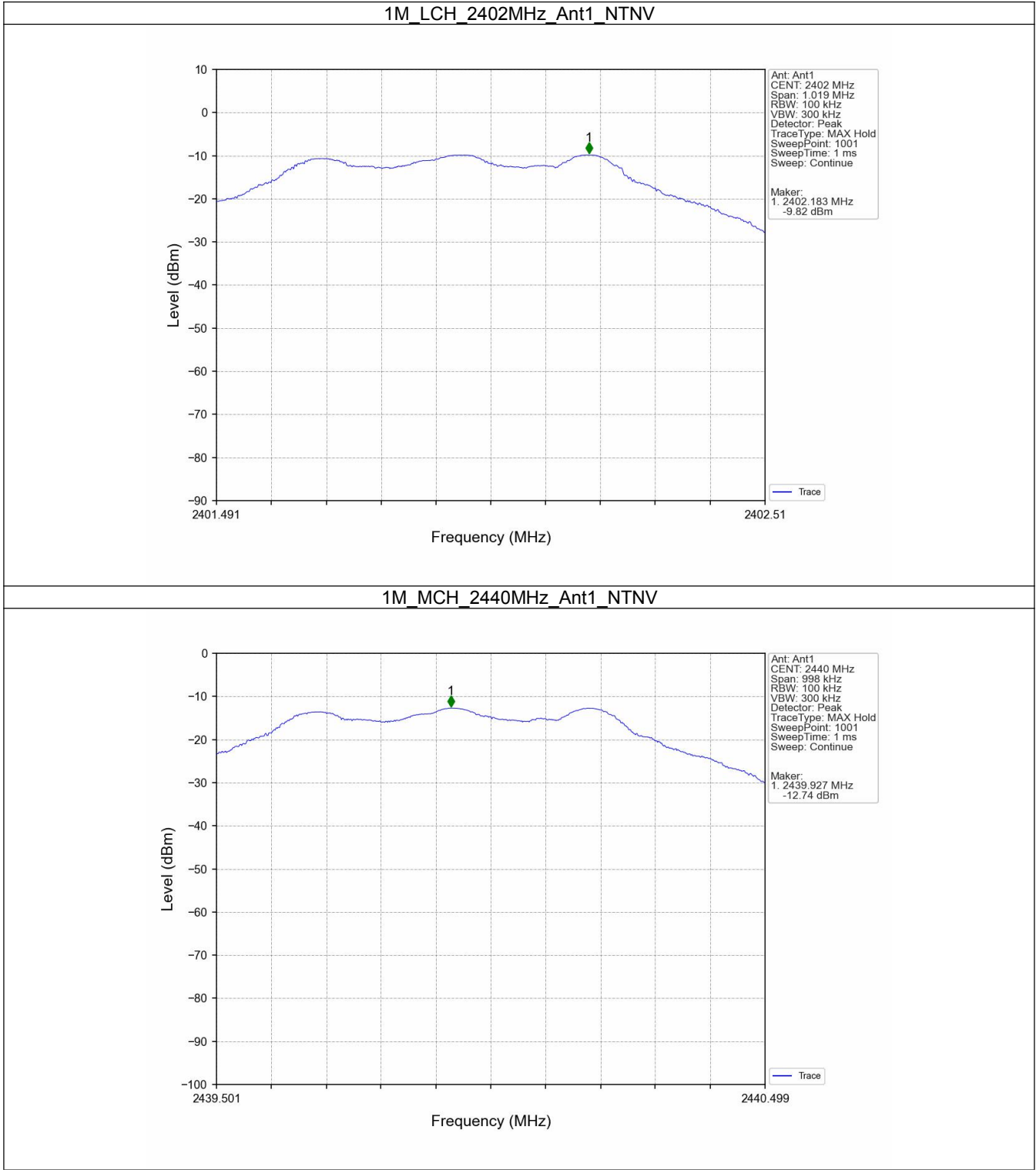
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-9.82	-29.82	Pass
		2440	1	-9.82	-29.82	Pass
		2480	1	-9.82	-29.82	Pass
2M	SISO	2402	1	-9.84	-29.84	Pass
		2440	1	-9.84	-29.84	Pass
		2480	1	-9.84	-29.84	Pass

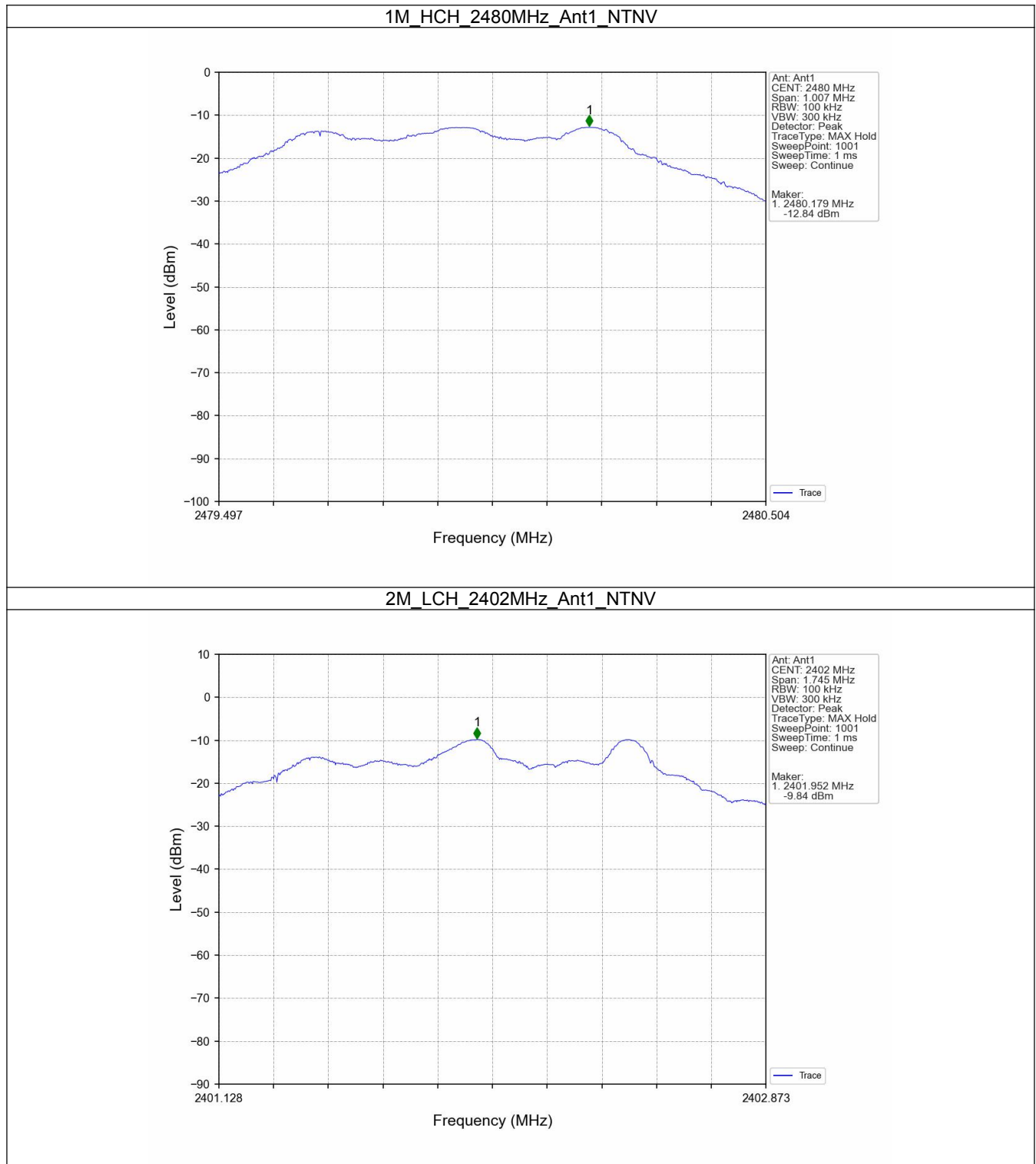
FCC ID: 2BFCV-FACE2

4.2 Test Graph

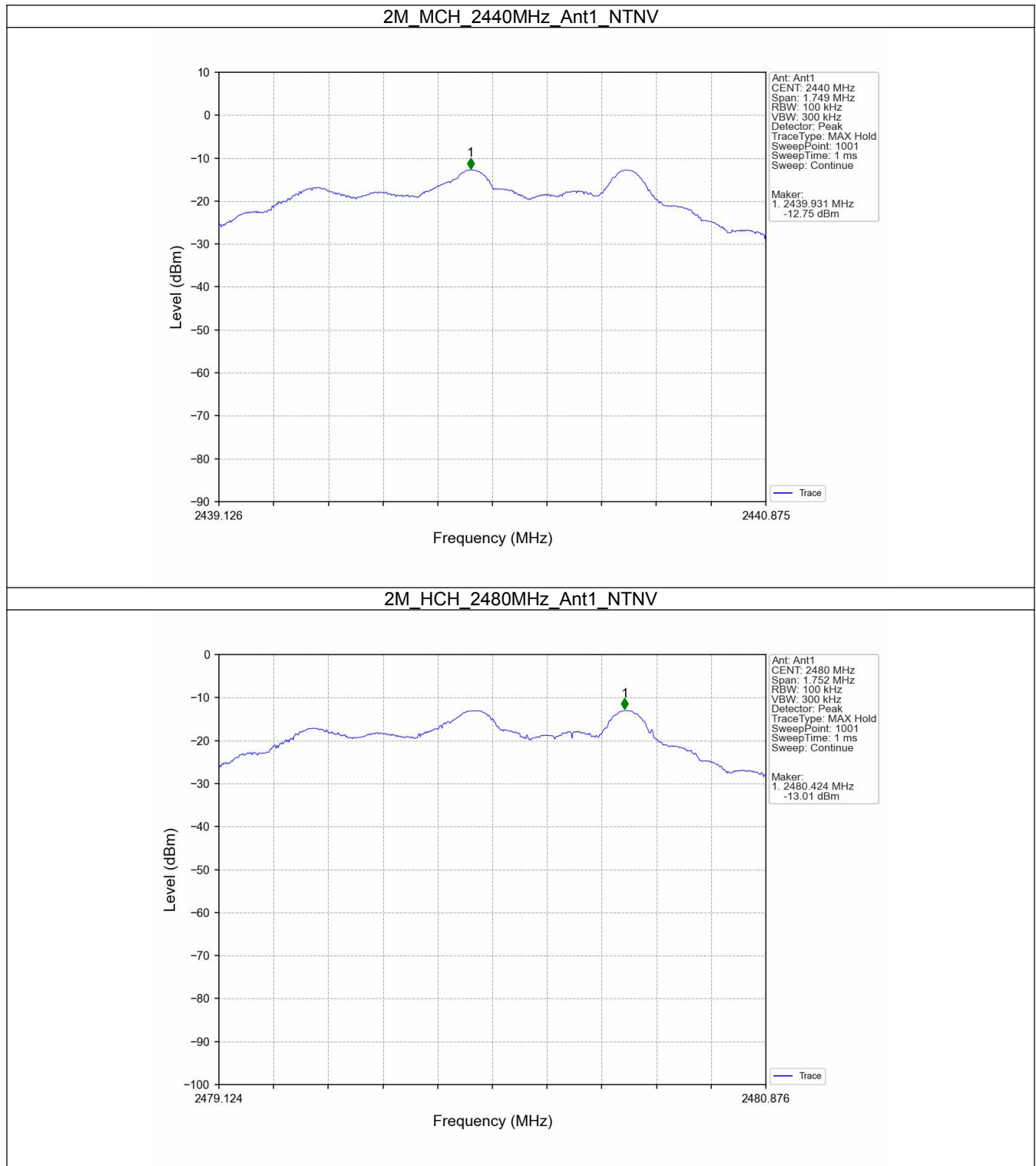
4.2.1 Ref



FCC ID: 2BFCV-FACE2

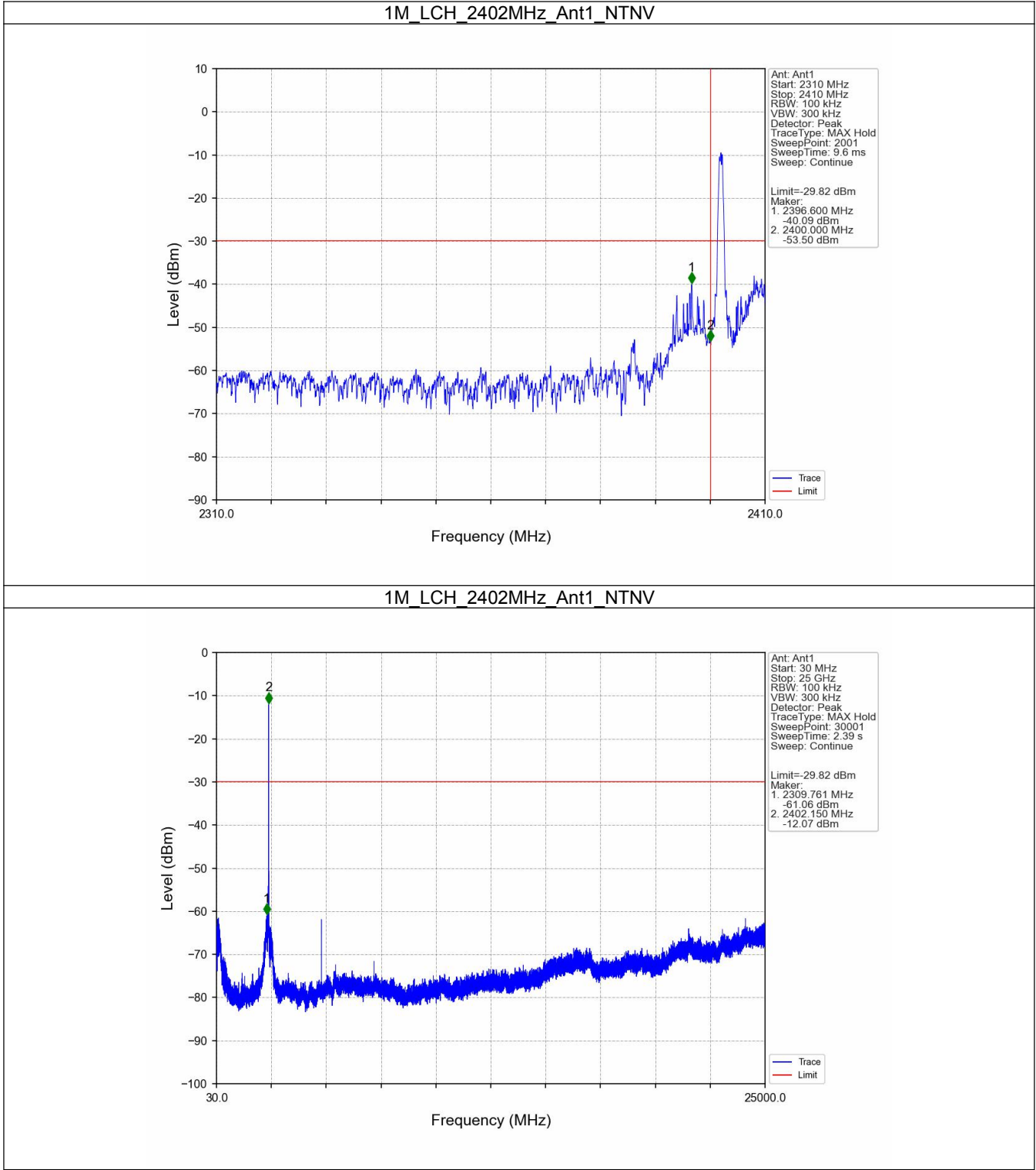


FCC ID: 2BFCV-FACE2

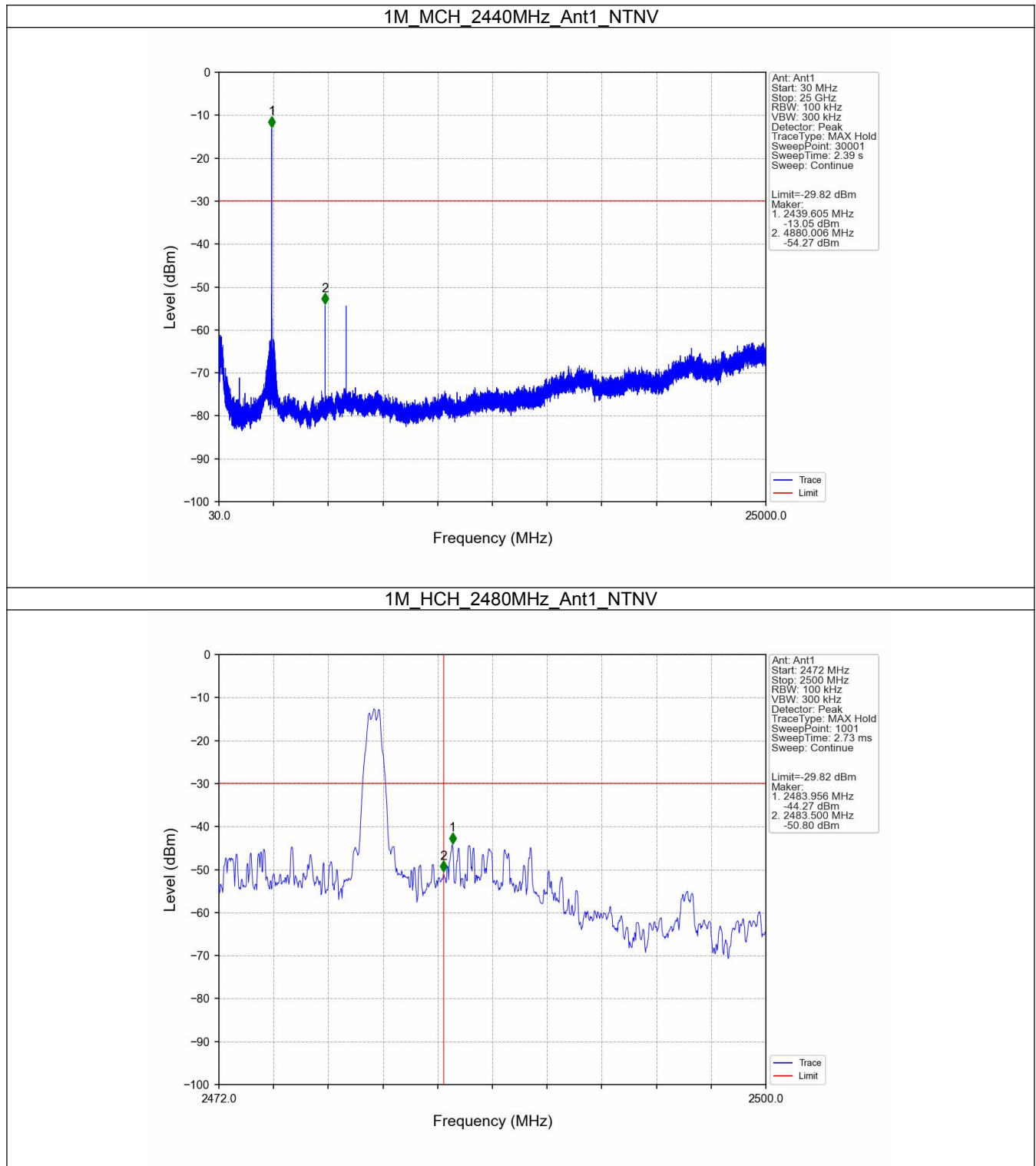


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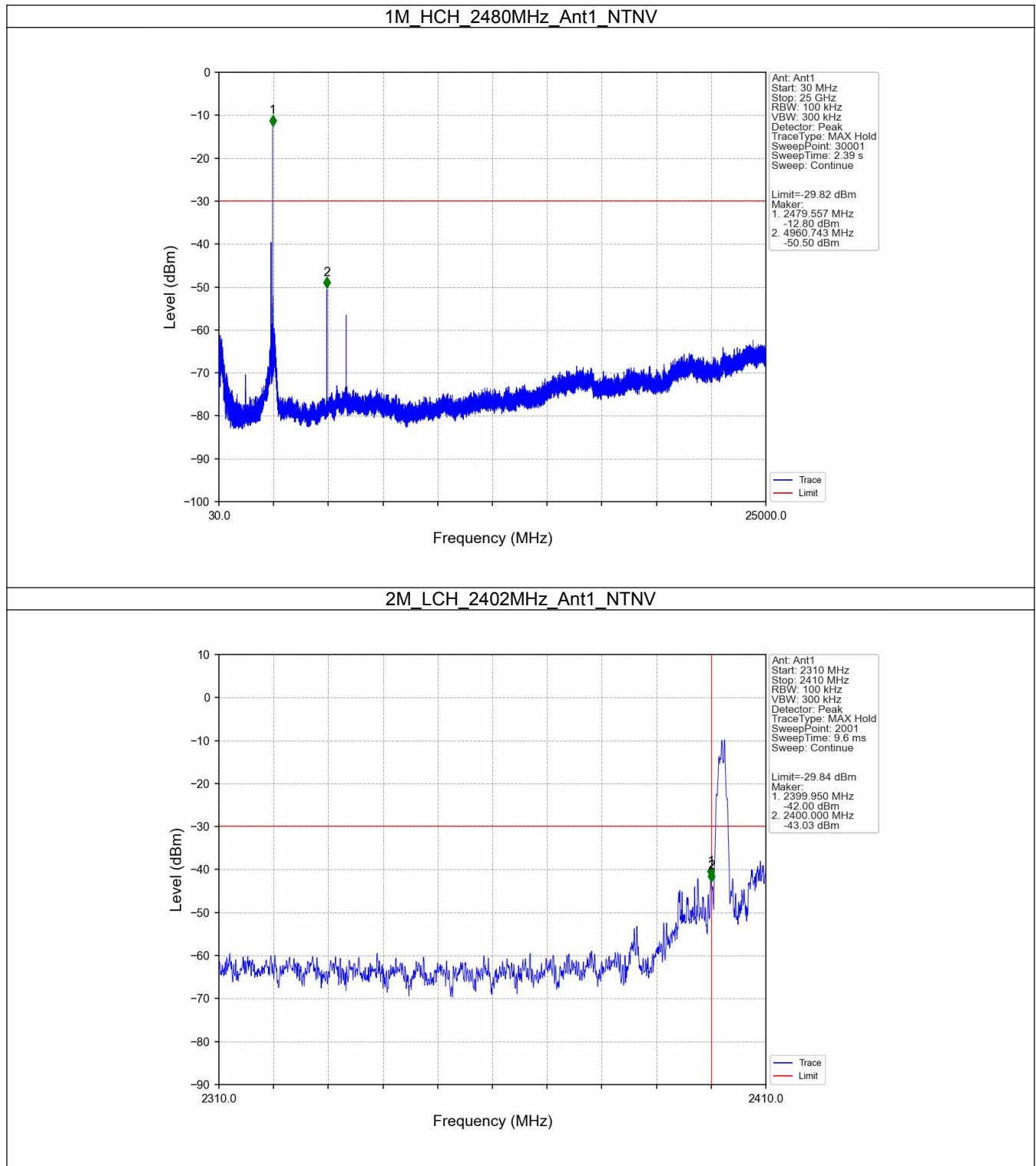
4.2.2 CSE



FCC ID: 2BFCV-FACE2

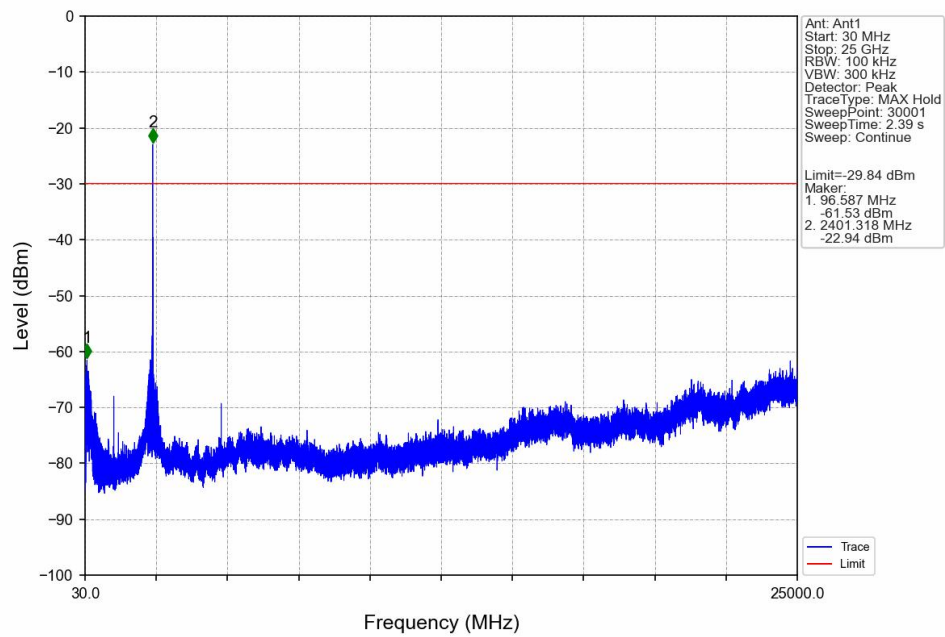


FCC ID: 2BFCV-FACE2

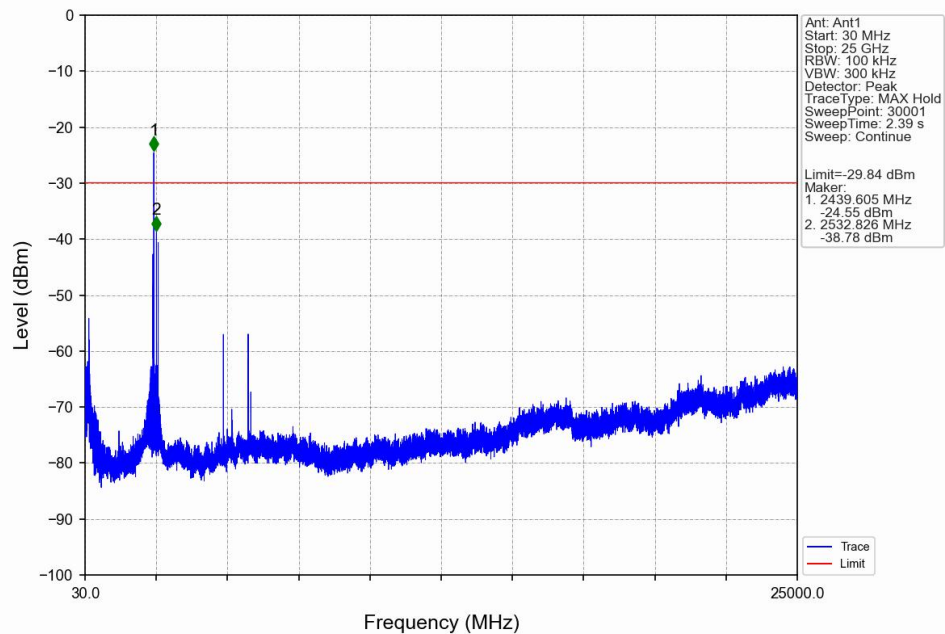


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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



FCC ID: 2BFCV-FACE2

