



Shenzhen CTL Testing Technology Co., Ltd.

Fl. A1, Bldg. A3, No. 2533 GuanGuang Road, Fenghuang Community

Fenghuang Street, Guangming District Shenzhen, Guangdong, People' s Republic of China

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Annex for Bluetooth Low Energy

Test Report No.: CTL2606052111-WF

TABLE OF CONTENTS

1. Bandwidth.....	2
2. Maximum Conducted Output Power.....	7
3. Maximum Power Spectral Density.....	10
4. Unwanted Emissions In Non-restricted Frequency Bands.....	13

FCC ID: 2BFCV-S6

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	1.016	/	Pass
		2440	1	1.015	/	Pass
		2480	1	1.015	/	Pass

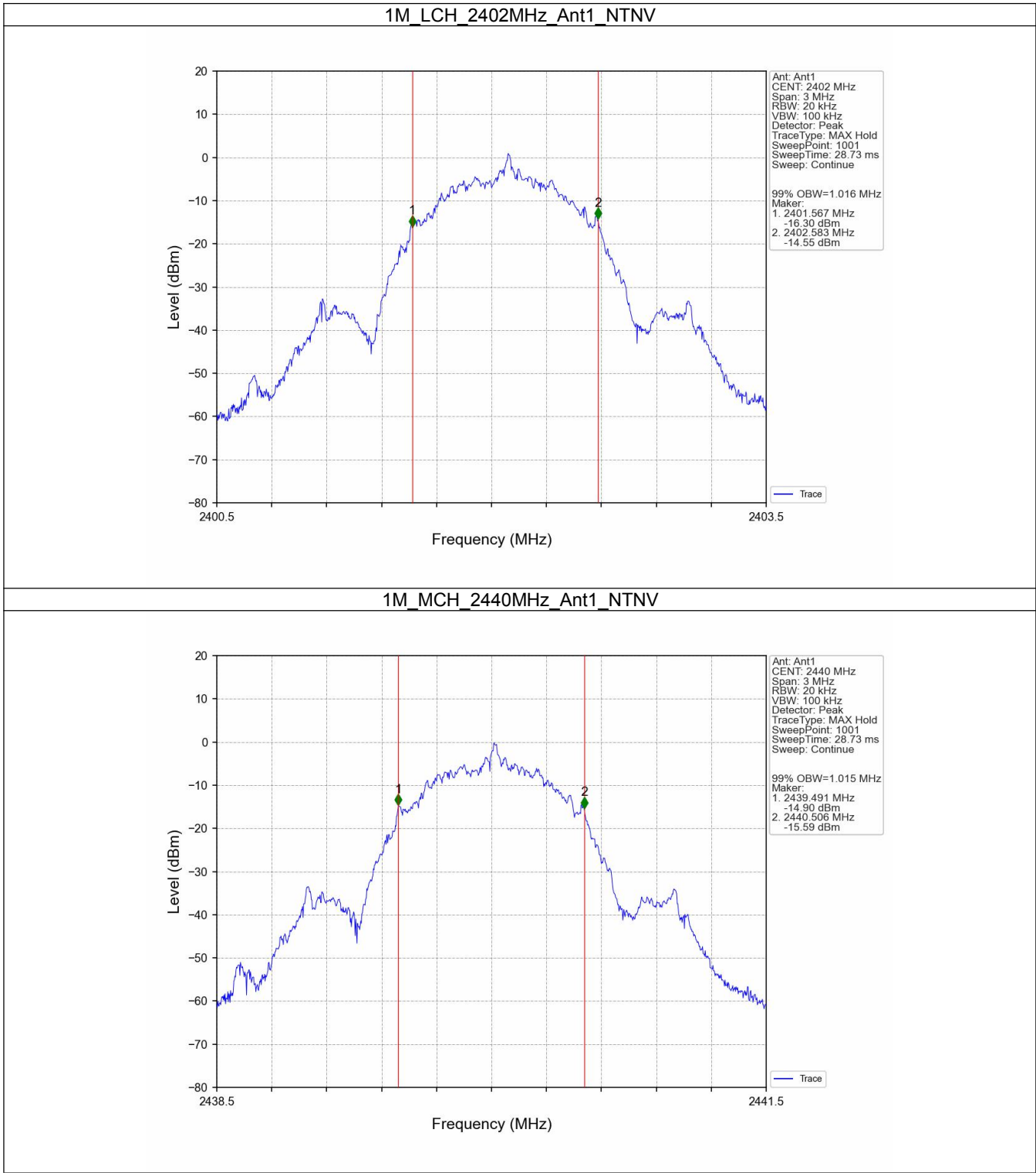
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.704	≥ 0.5	Pass
		2440	1	0.706	≥ 0.5	Pass
		2480	1	0.709	≥ 0.5	Pass

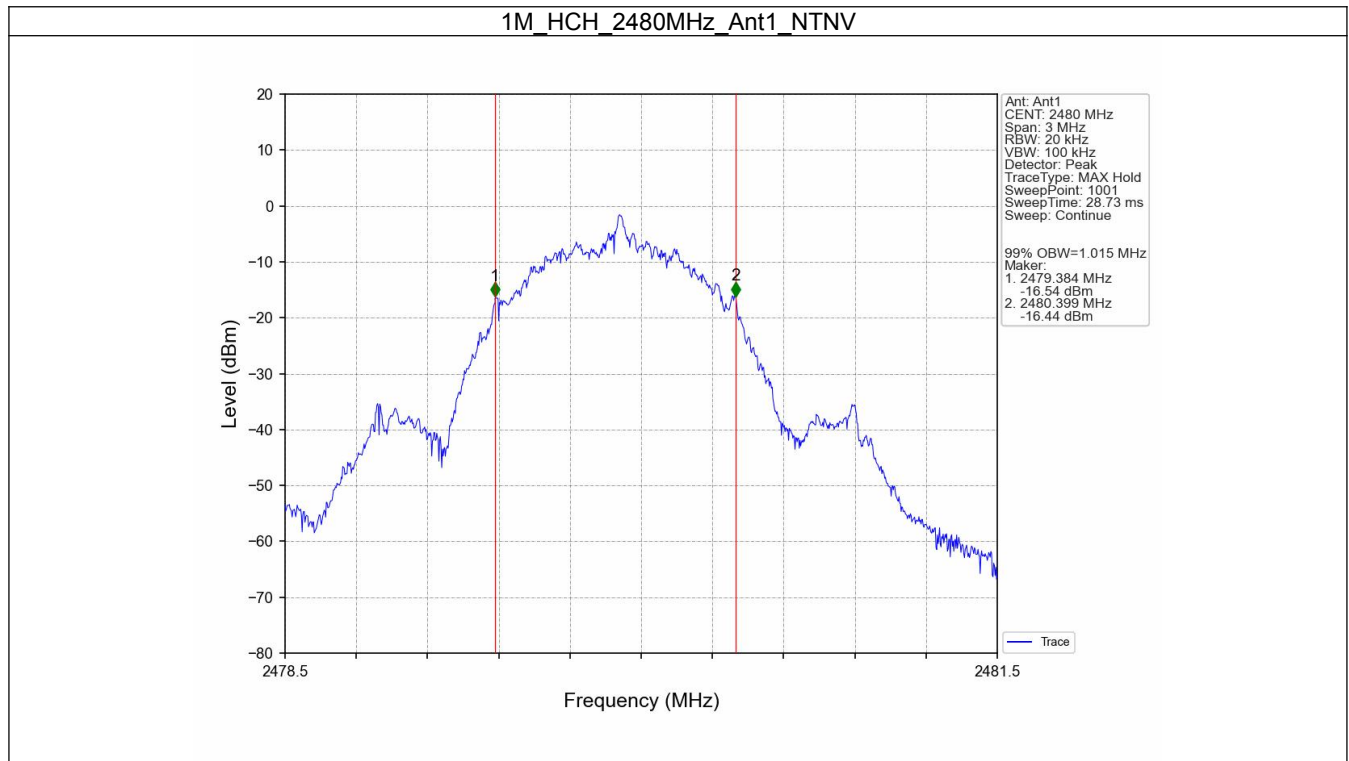
FCC ID: 2BFCV-S6

1.2 Test Graph

1.2.1 OBW

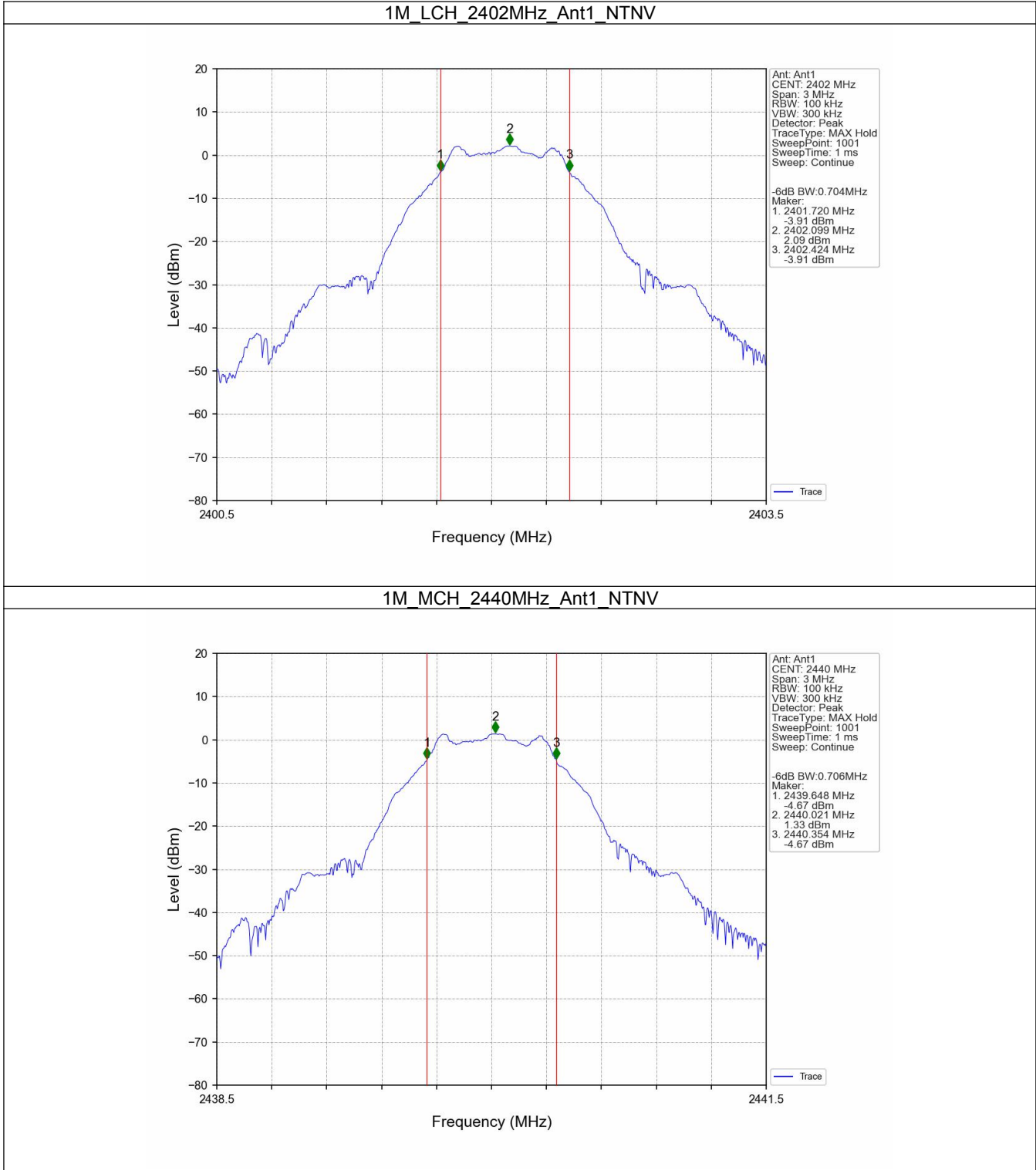


FCC ID: 2BFCV-S6

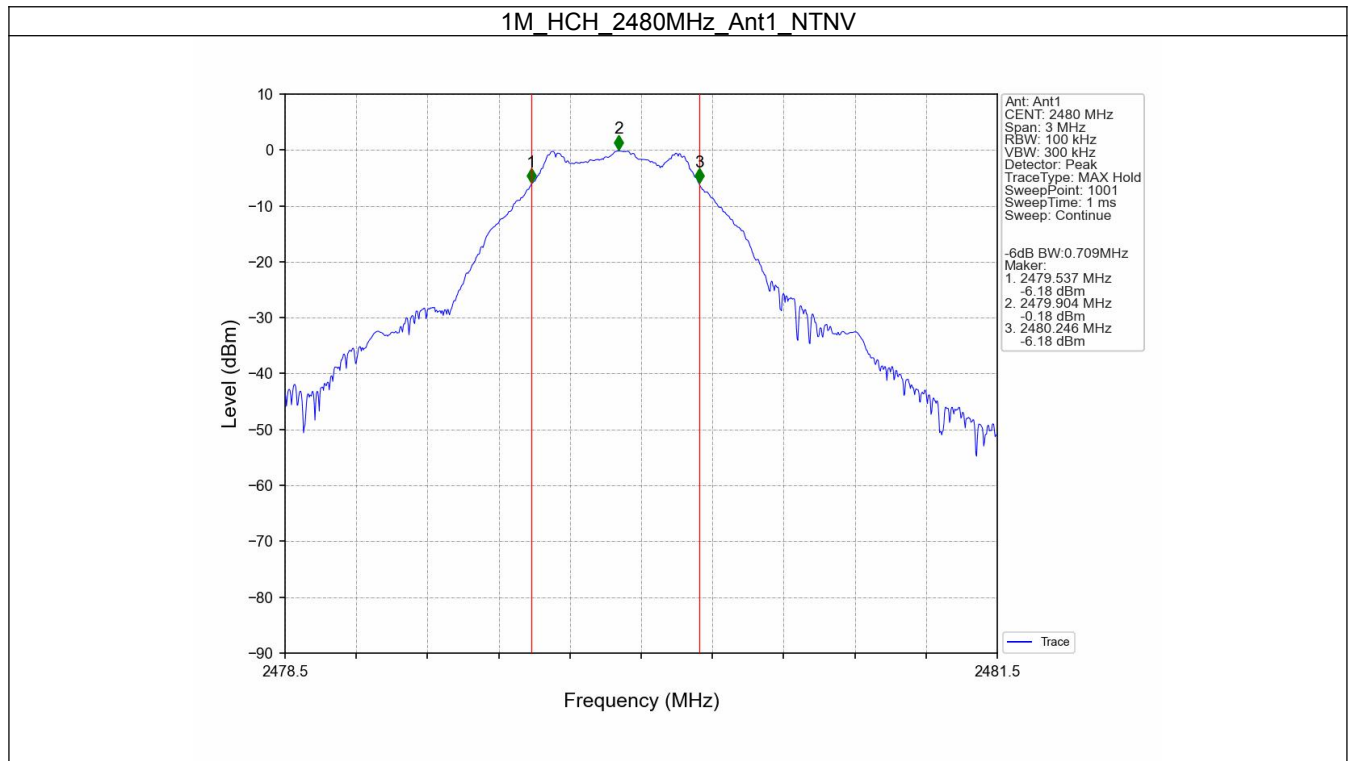


FCC ID: 2BFCV-S6

1.2.2 6dB BW



FCC ID: 2BFCV-S6



FCC ID: 2BFCV-S6

2. Maximum Conducted Output Power

2.1 Test Result

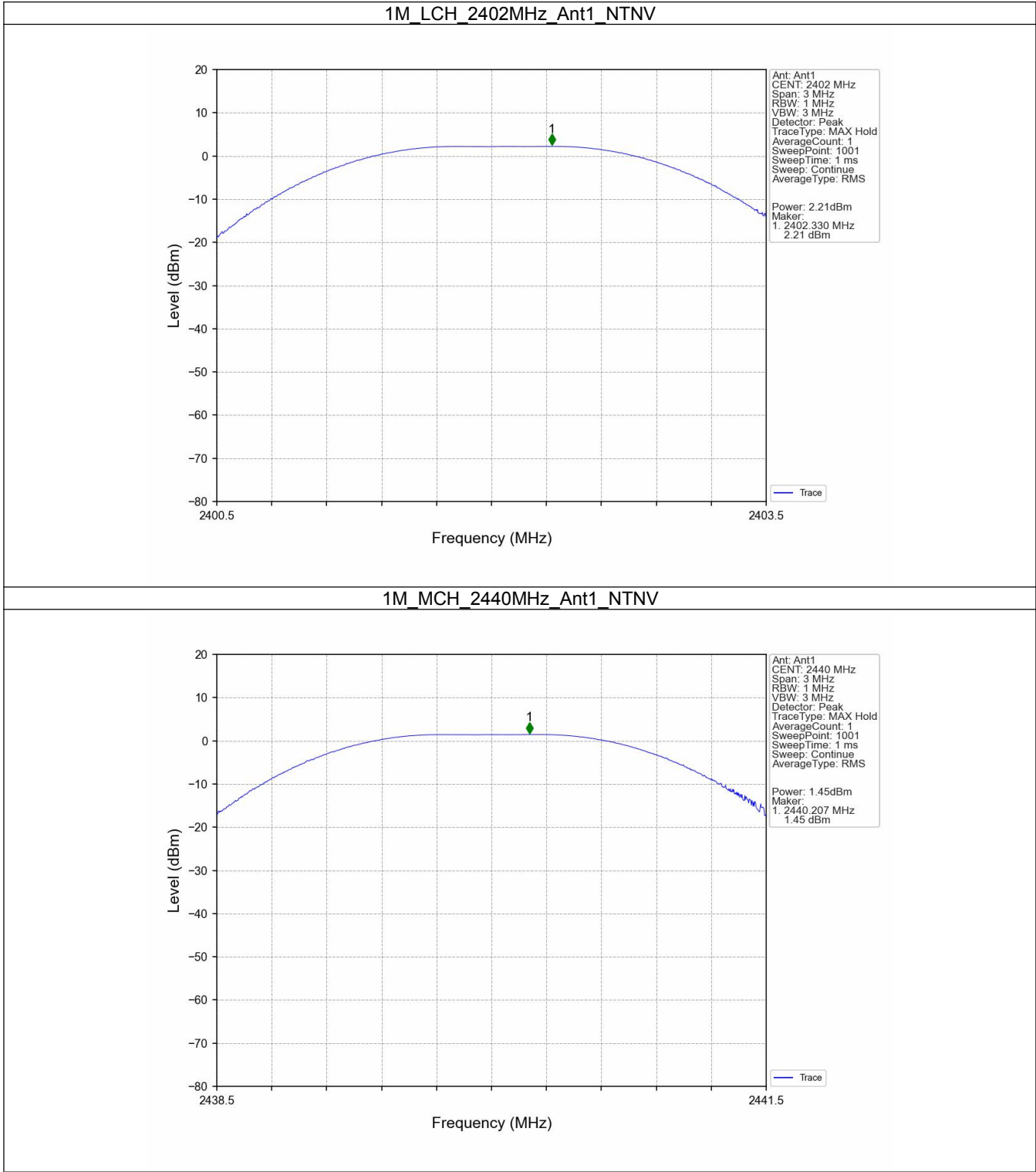
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	2.21	<=30	Pass
		2440	1.45	<=30	Pass
		2480	-0.07	<=30	Pass
Note1: Antenna Gain: Ant1: 0.00dBi;					

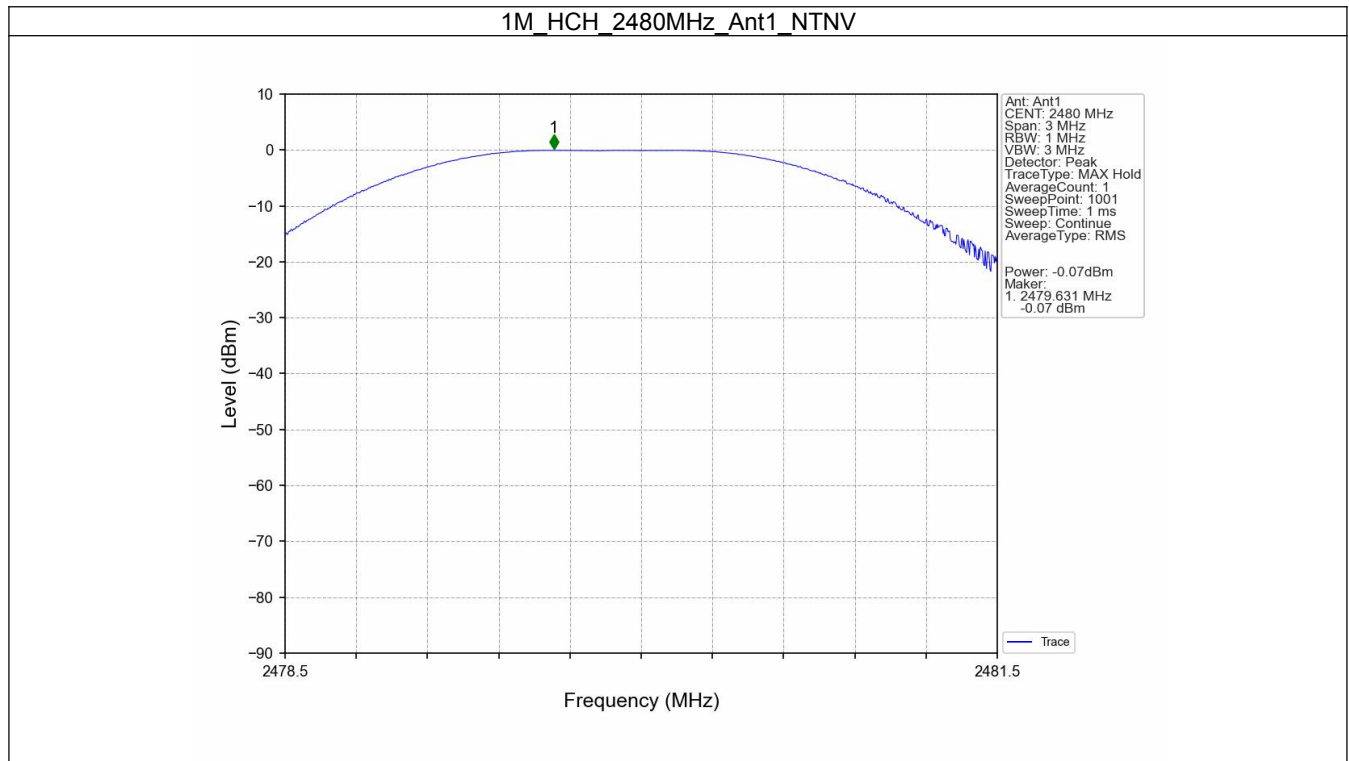
FCC ID: 2BFCV-S6

2.2 Test Graph

2.2.1 Power



FCC ID: 2BFCV-S6



FCC ID: 2BFCV-S6

3. Maximum Power Spectral Density

3.1 Test Result

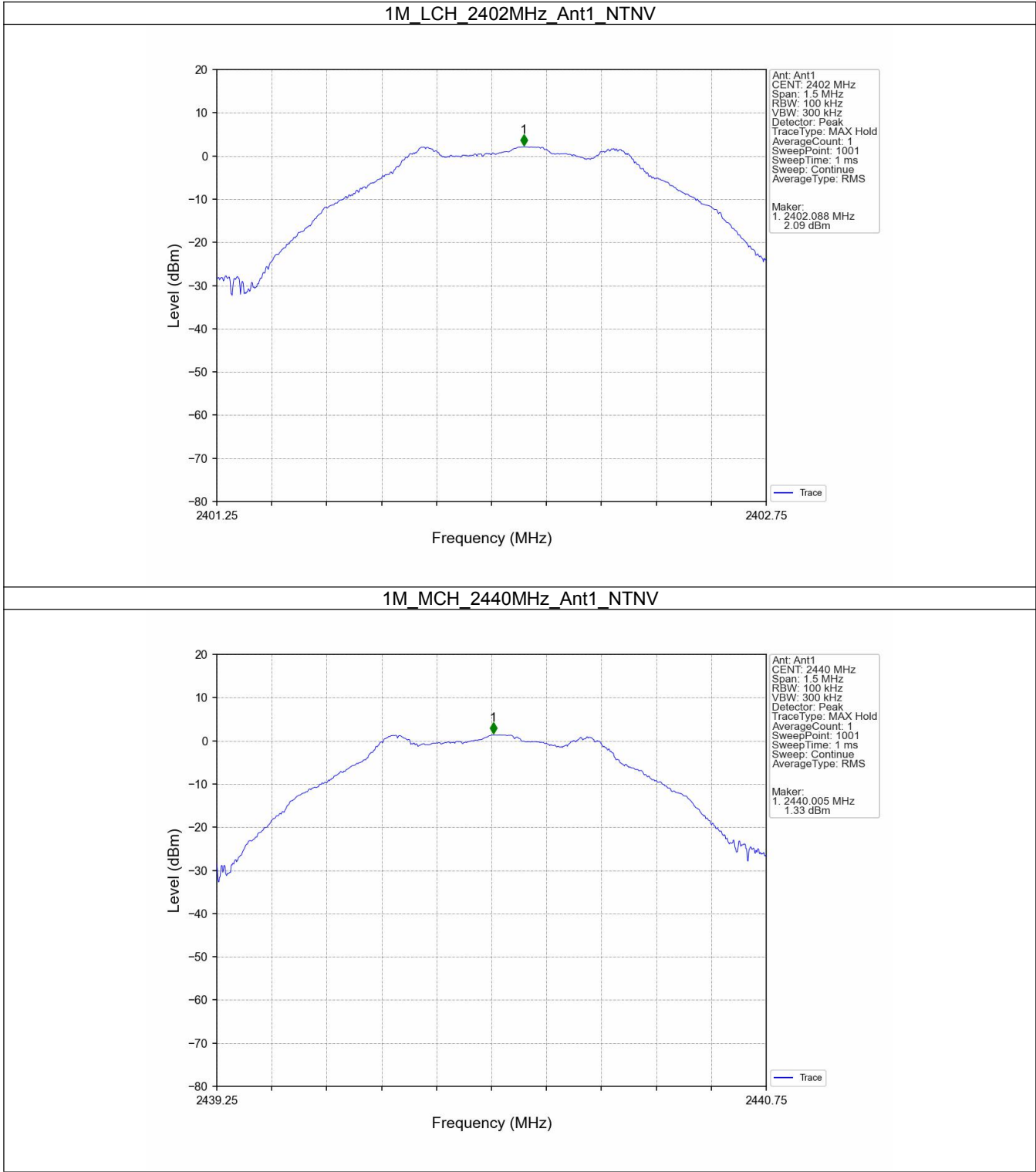
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	2.09dBm/100kHz	<=8	Pass
		2440	1.33dBm/100kHz	<=8	Pass
		2480	-0.19dBm/100kHz	<=8	Pass
Note1: Antenna Gain: Ant1: 0.00dBi;					

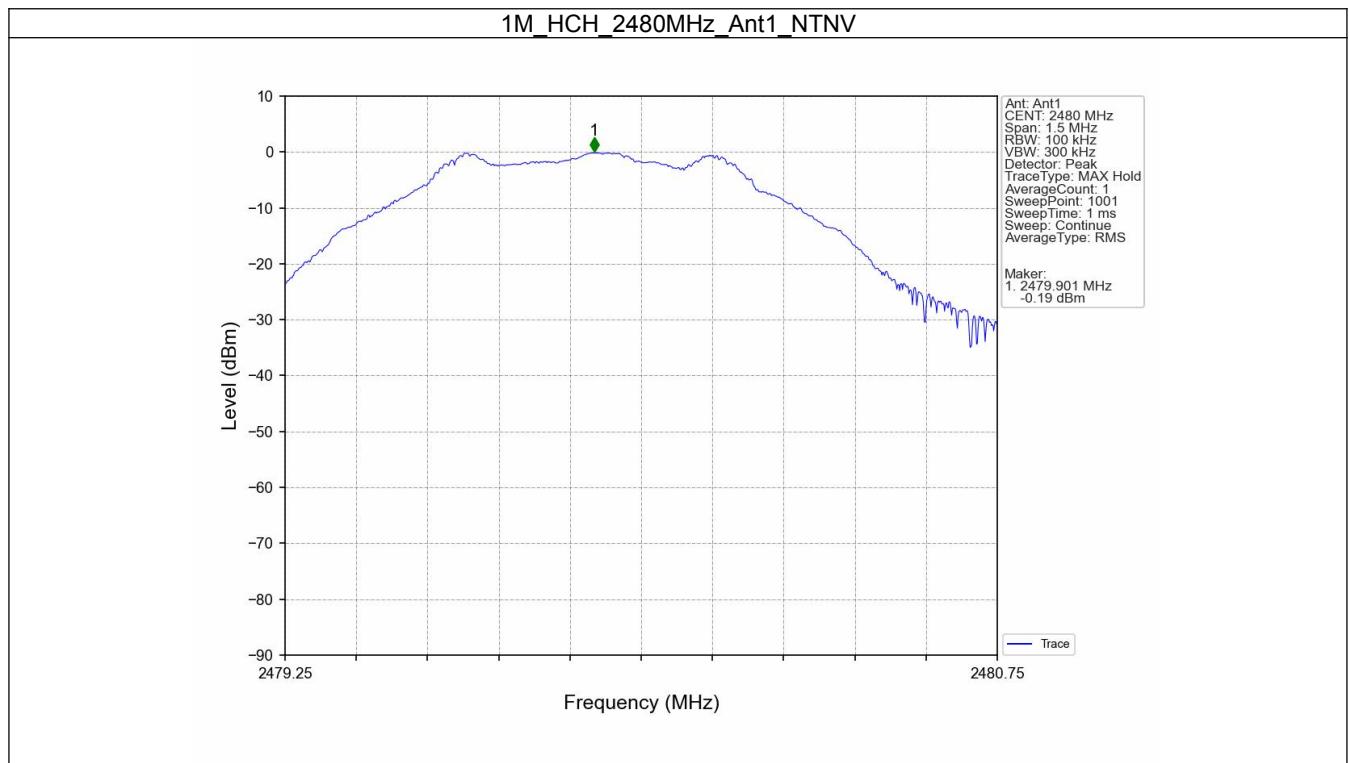
FCC ID: 2BFCV-S6

3.2 Test Graph

3.2.1 PSD



FCC ID: 2BFCV-S6



FCC ID: 2BFCV-S6

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	2.09
		2440	1	1.33
		2480	1	-0.18

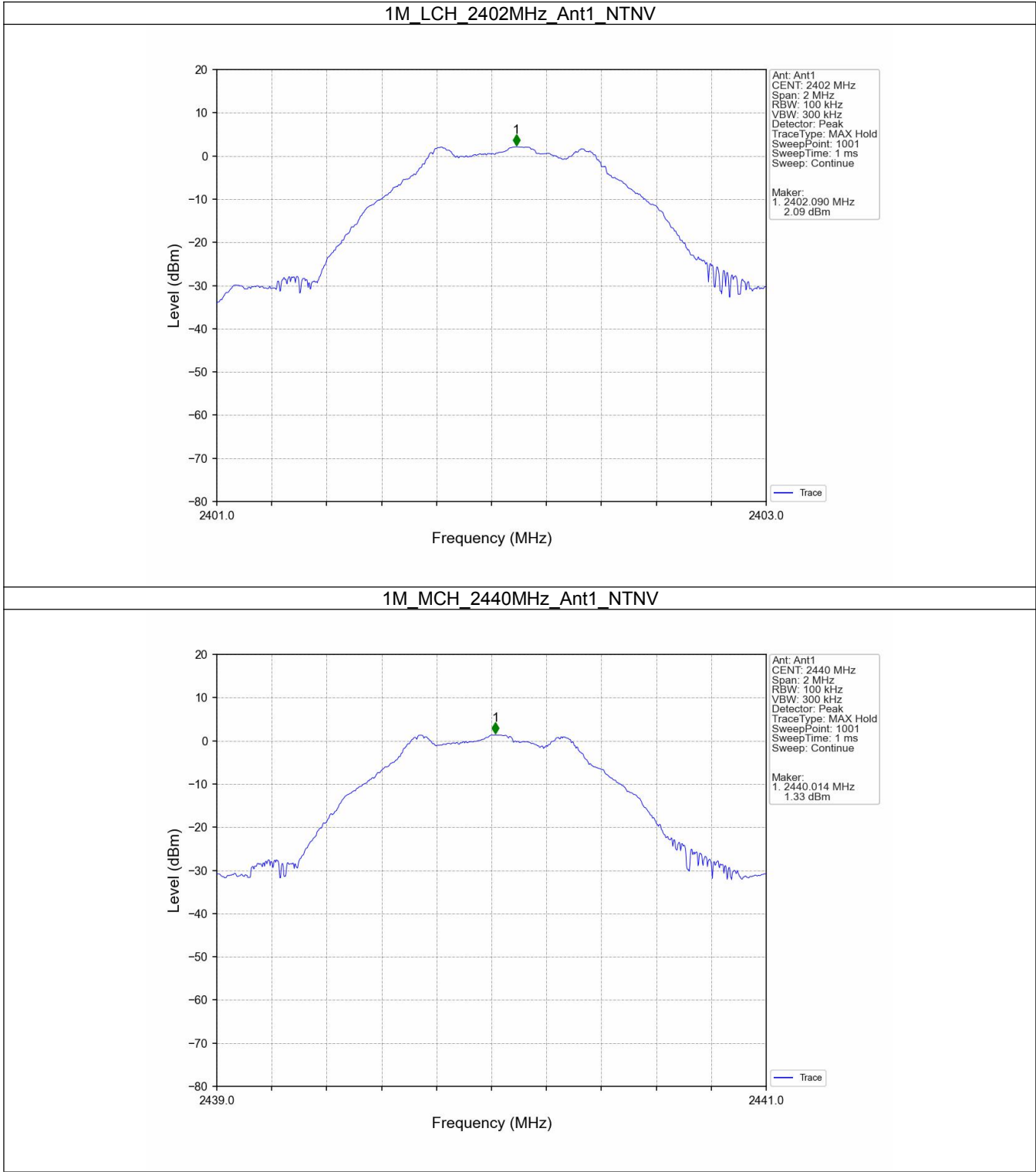
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.09	-17.91	Pass
		2440	1	1.33	-18.67	Pass
		2480	1	-0.18	-20.18	Pass

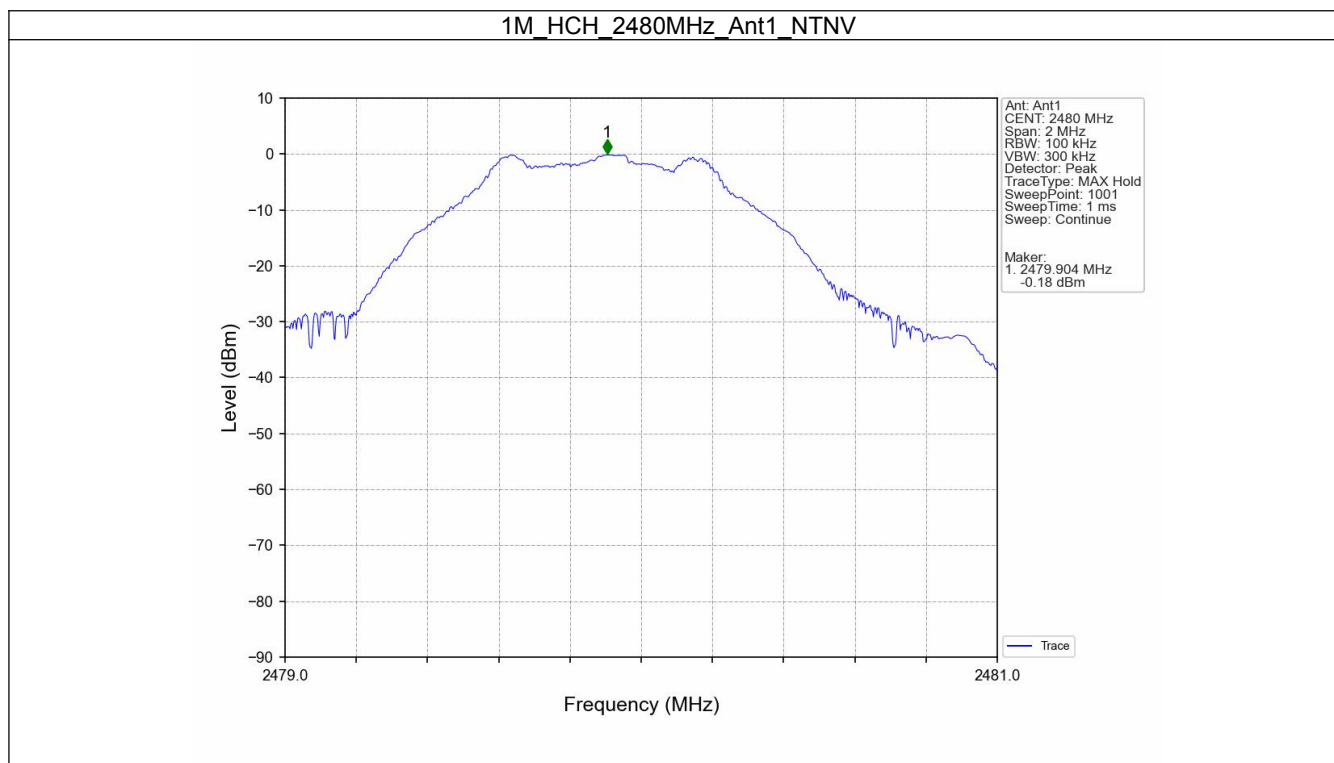
FCC ID: 2BFCV-S6

4.2 Test Graph

4.2.1 Ref

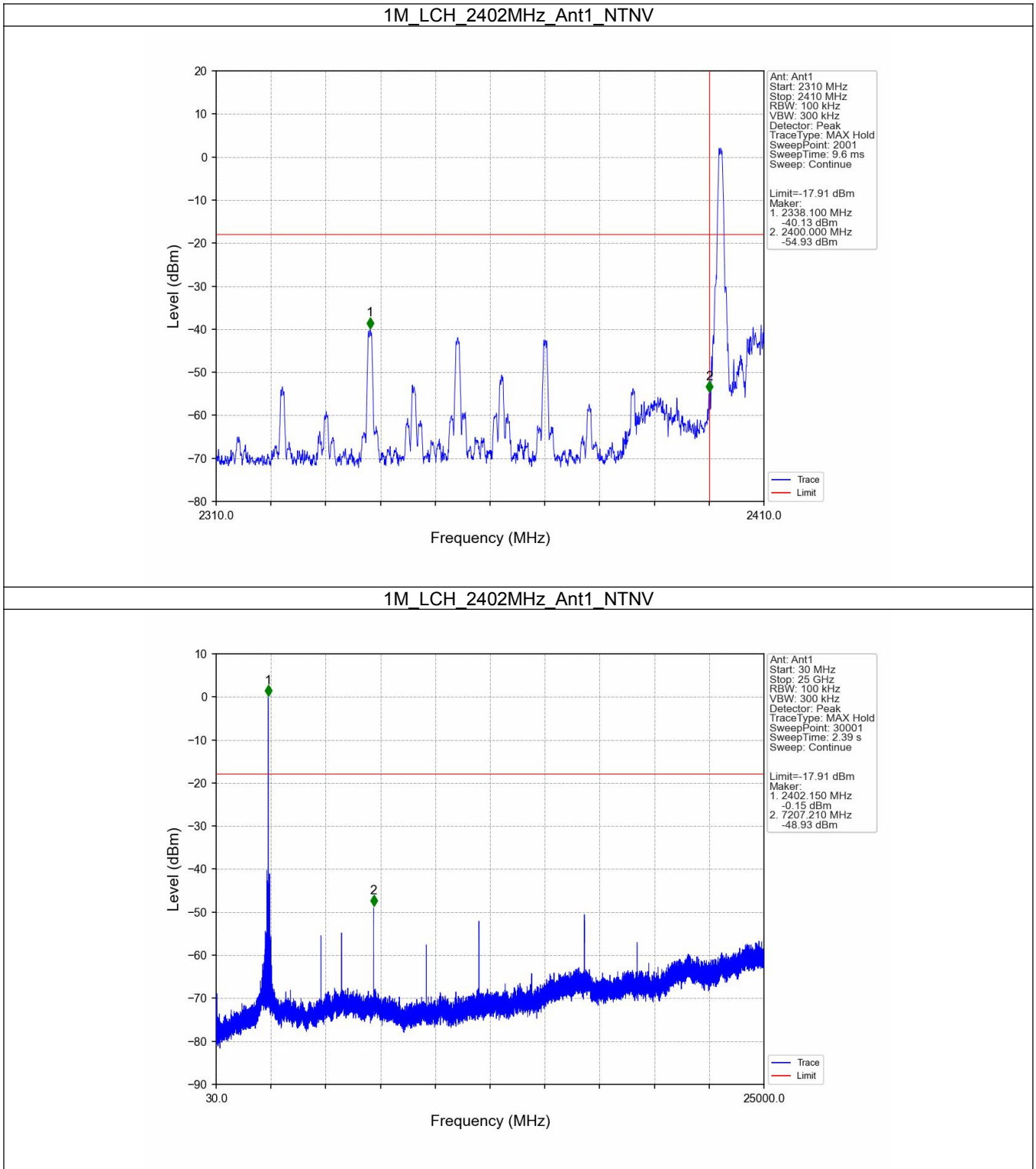


FCC ID: 2BFCV-S6

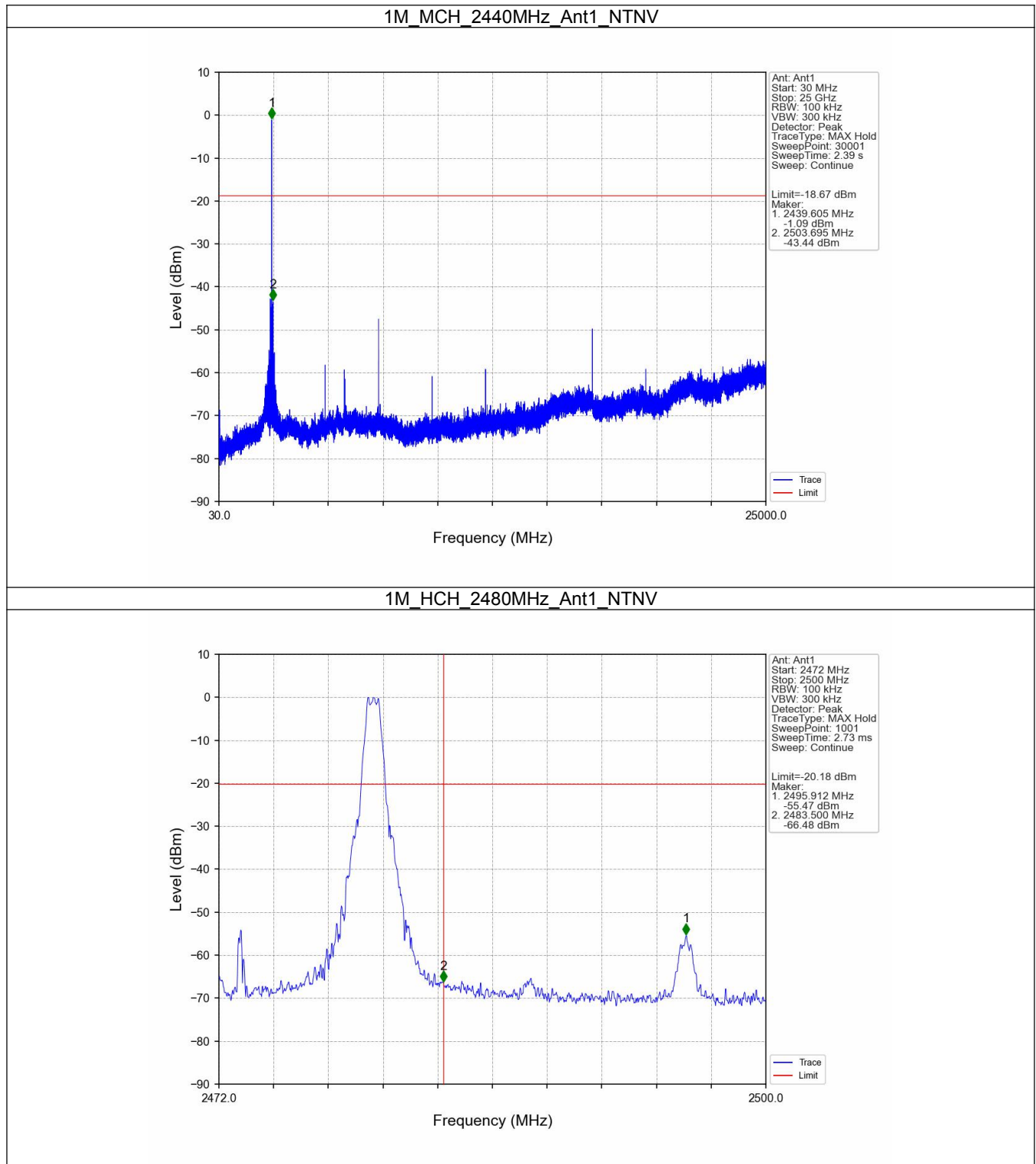


FCC ID: 2BFCV-S6

4.2.2 CSE



FCC ID: 2BFCV-S6



FCC ID: 2BFCV-S6

