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Annex for Bluetooth Low Energy

Test Report No.: CTL2502218011-WF02

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FCC ID: 2BDOH-NSB

1. Duty Cycle

1.1 Test Result

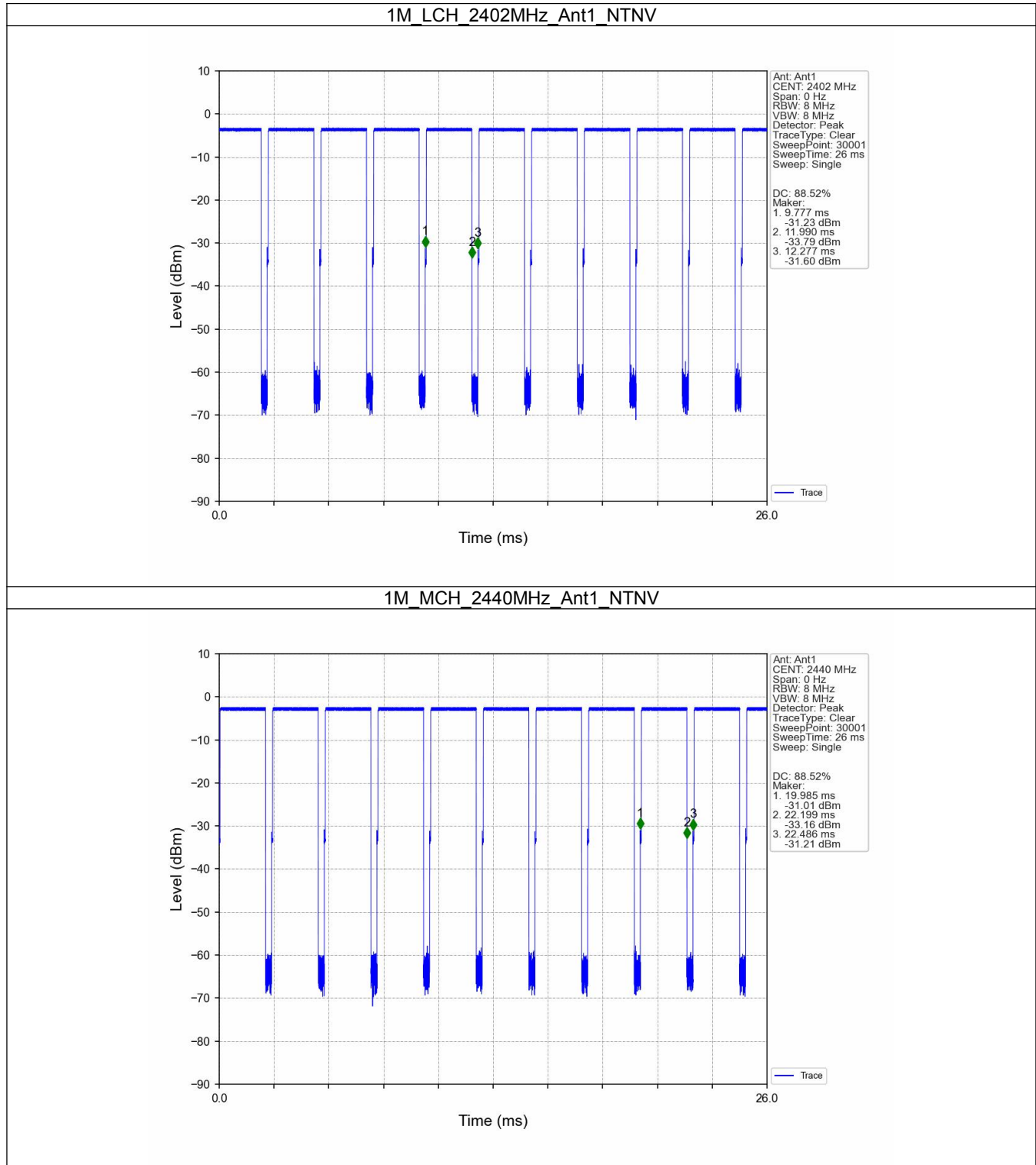
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.213	2.500	88.52	0.53	0.03
		2440	2.214	2.501	88.52	0.53	0.03
		2480	2.213	2.500	88.52	0.53	0.03

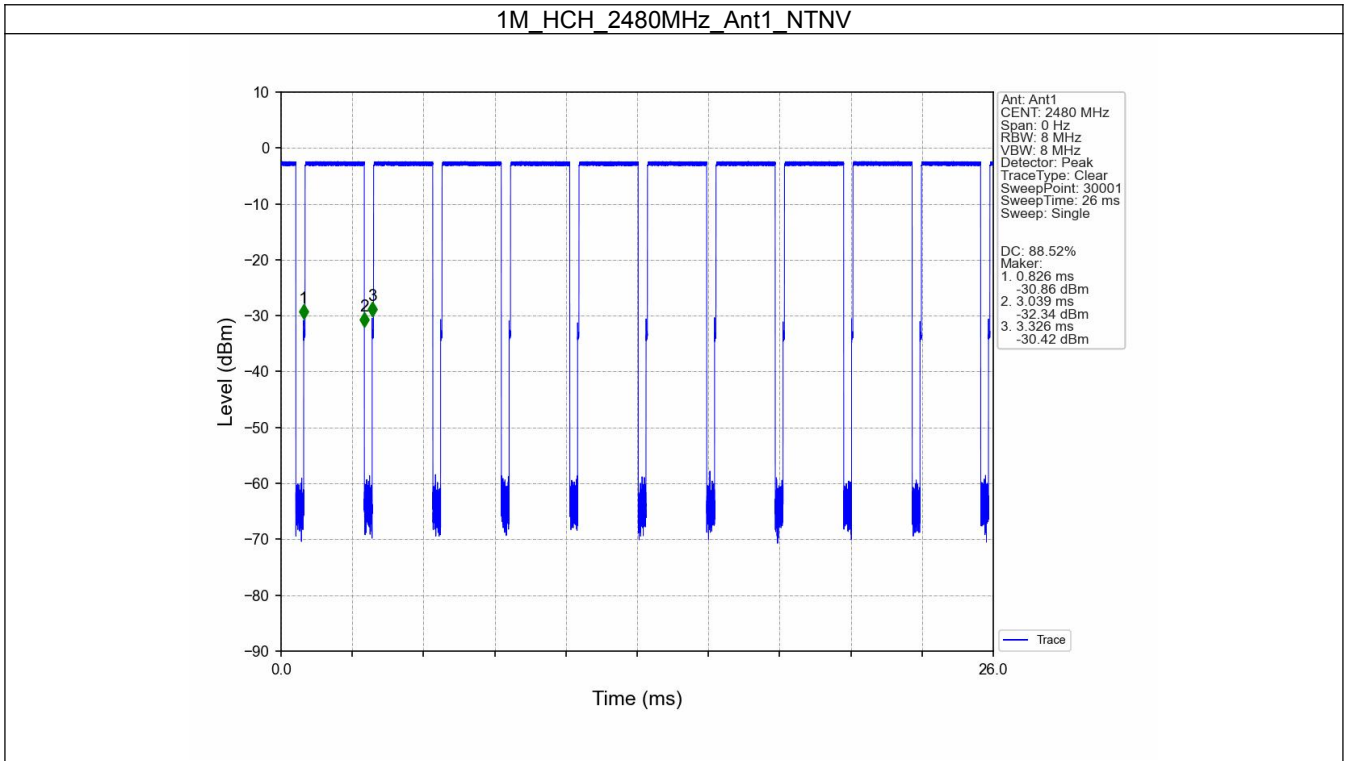
FCC ID: 2BDOH-NSB

1.2 Test Graph

1.2.1 Ant1



FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB

2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.022	/	Pass
		2440	1	1.022	/	Pass
		2480	1	1.021	/	Pass

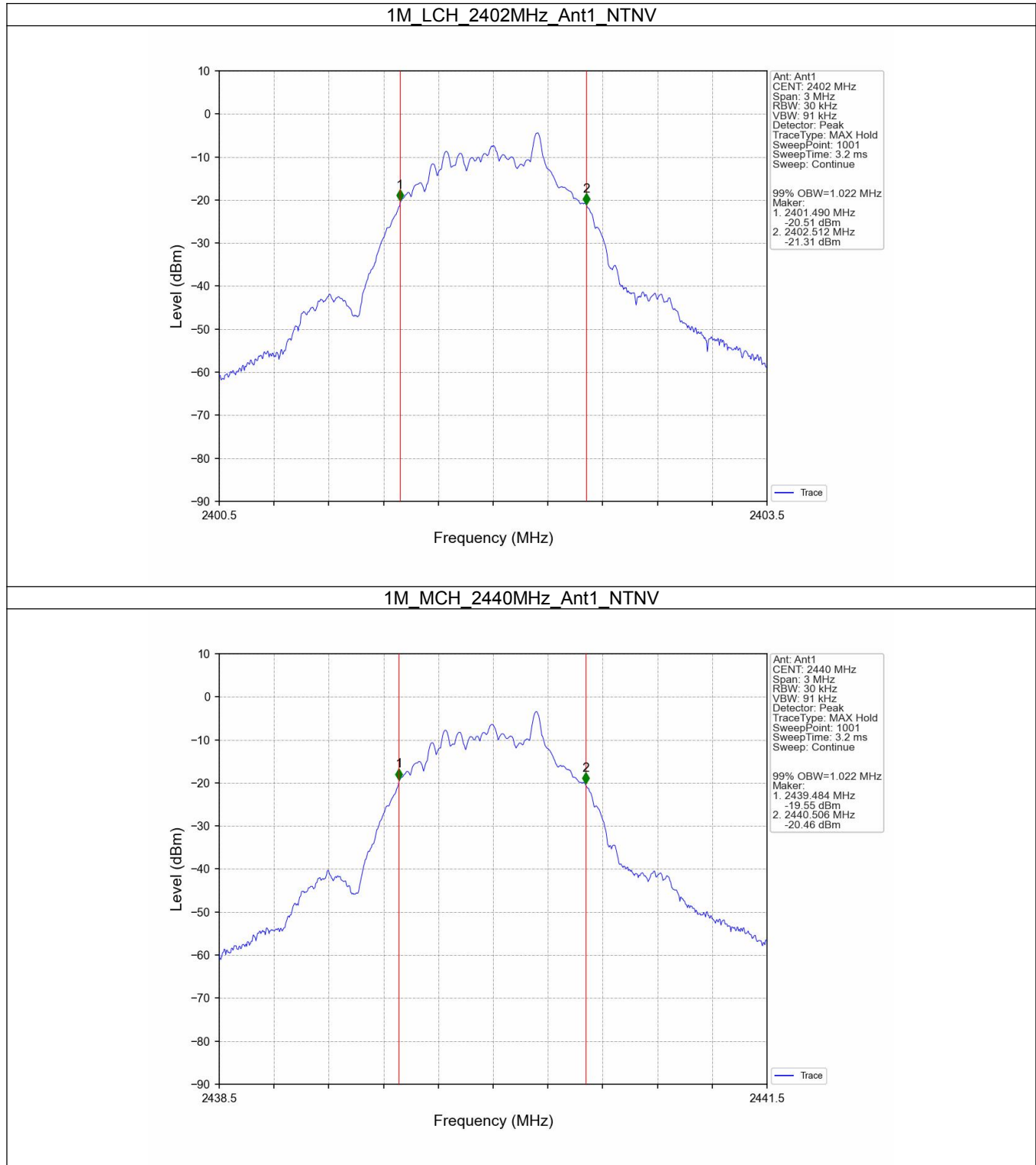
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.667	≥ 0.5	Pass
		2440	1	0.669	≥ 0.5	Pass
		2480	1	0.668	≥ 0.5	Pass

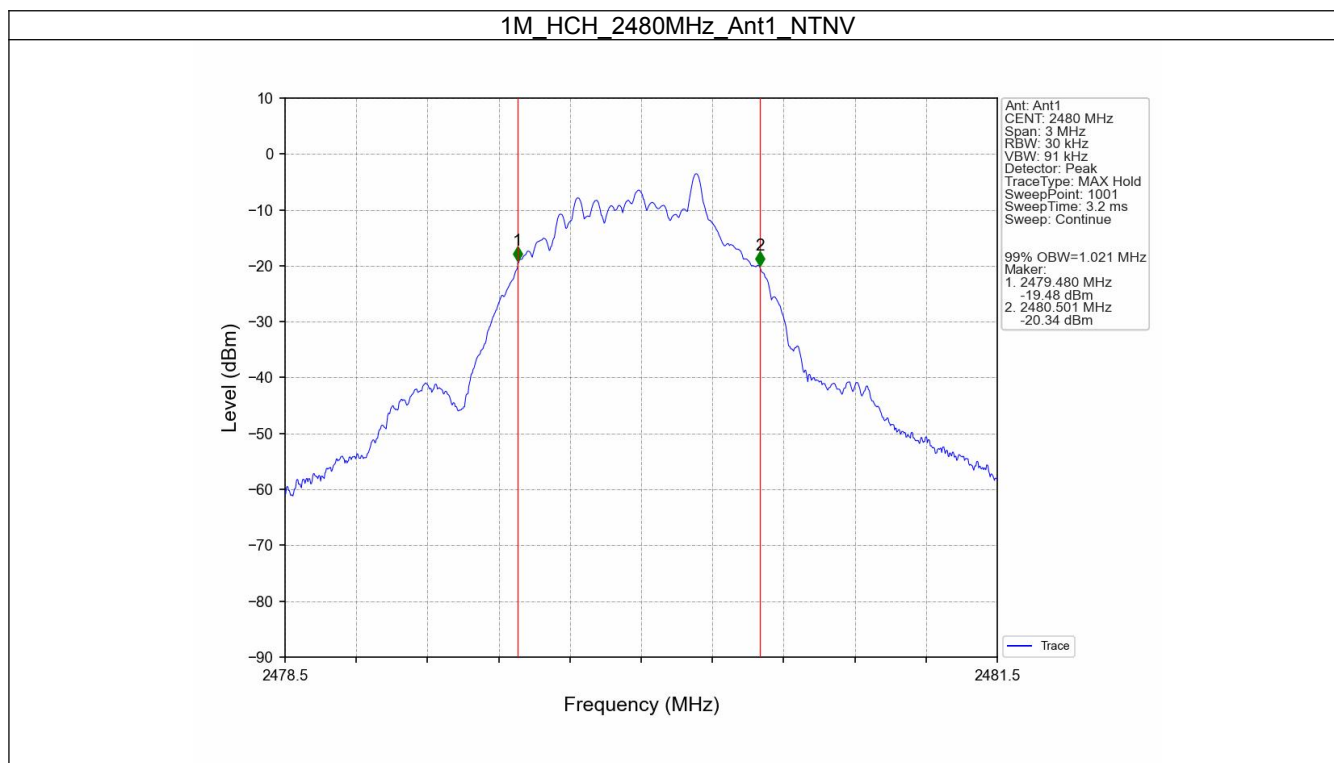
FCC ID: 2BDOH-NSB

2.2 Test Graph

2.2.1 OBW

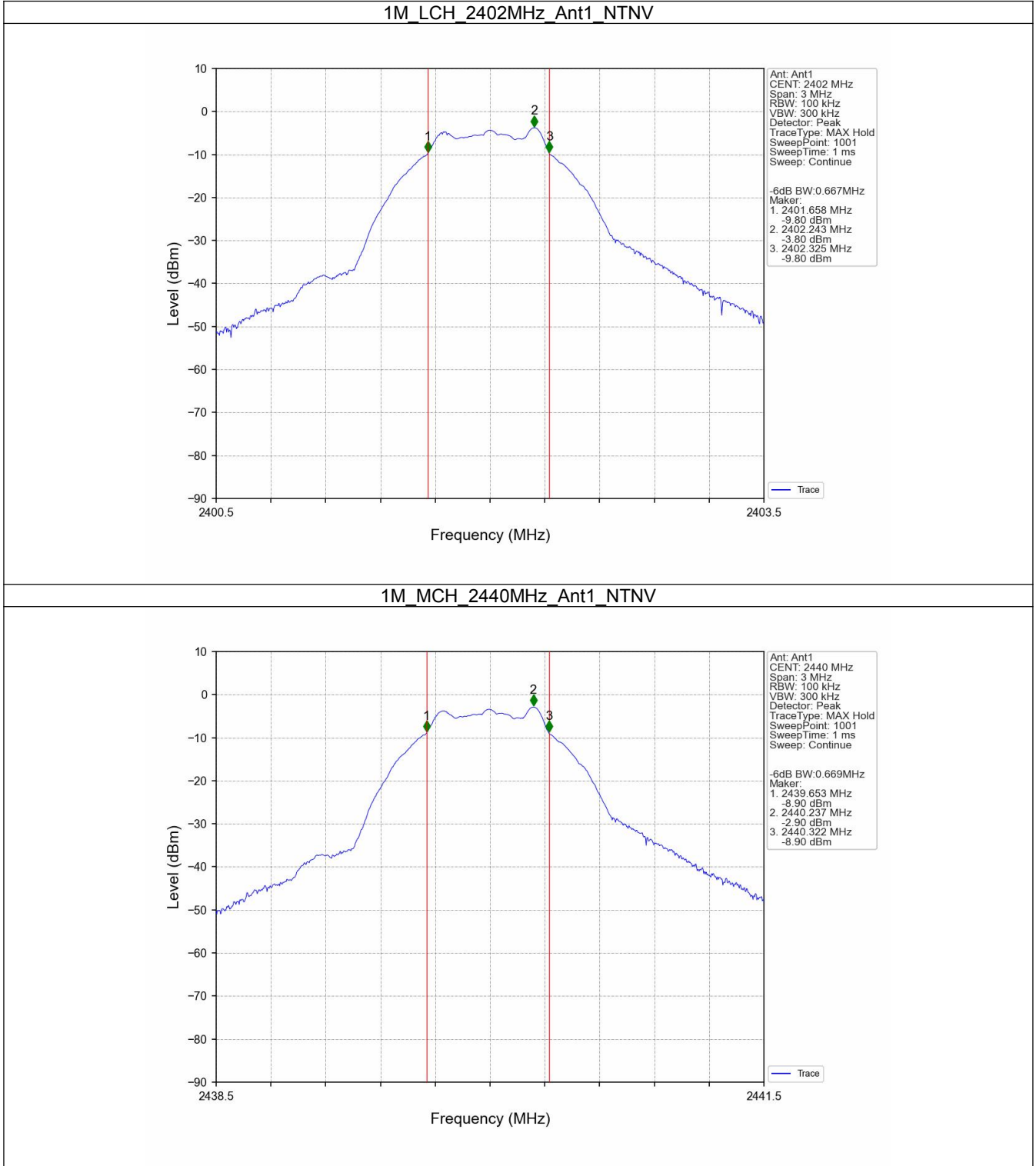


FCC ID: 2BDOH-NSB

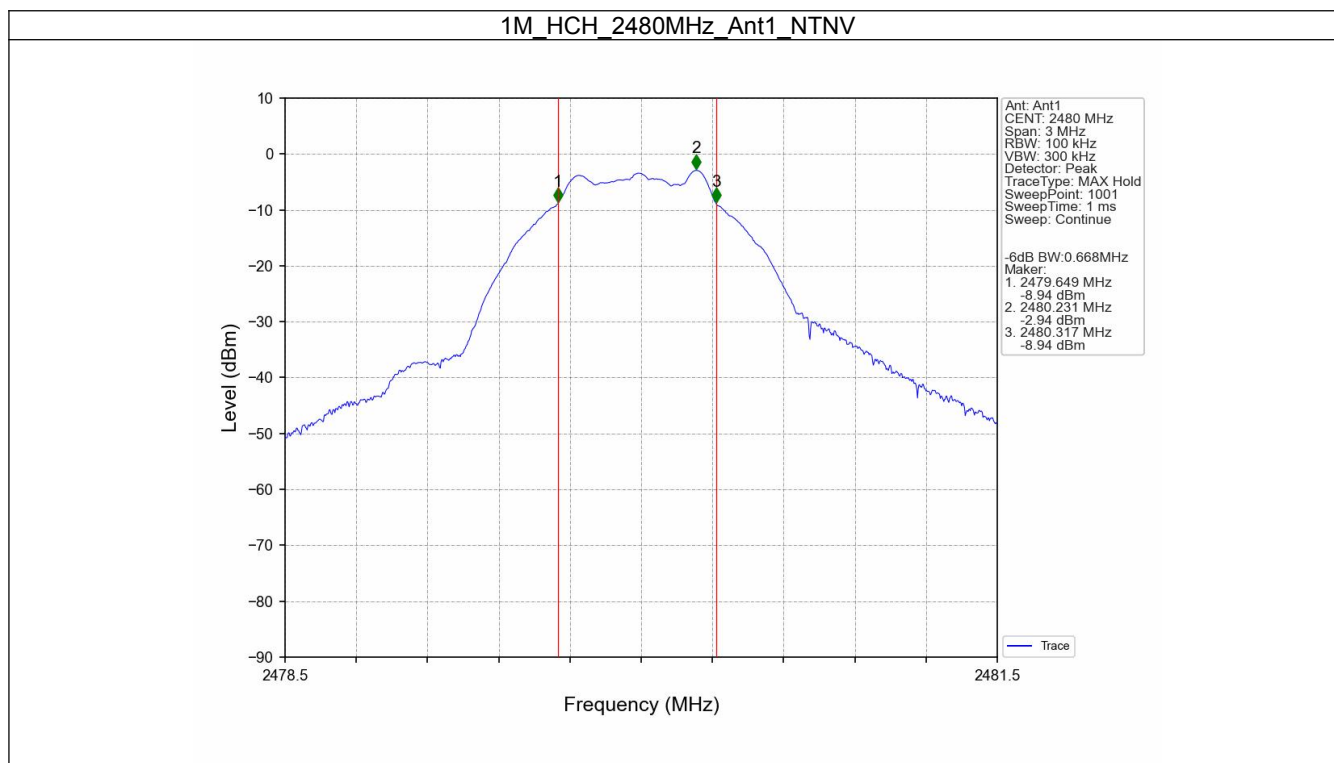


FCC ID: 2BDOH-NSB

2.2.2 6dB BW



FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB

3. Maximum Conducted Output Power

3.1 Test Result

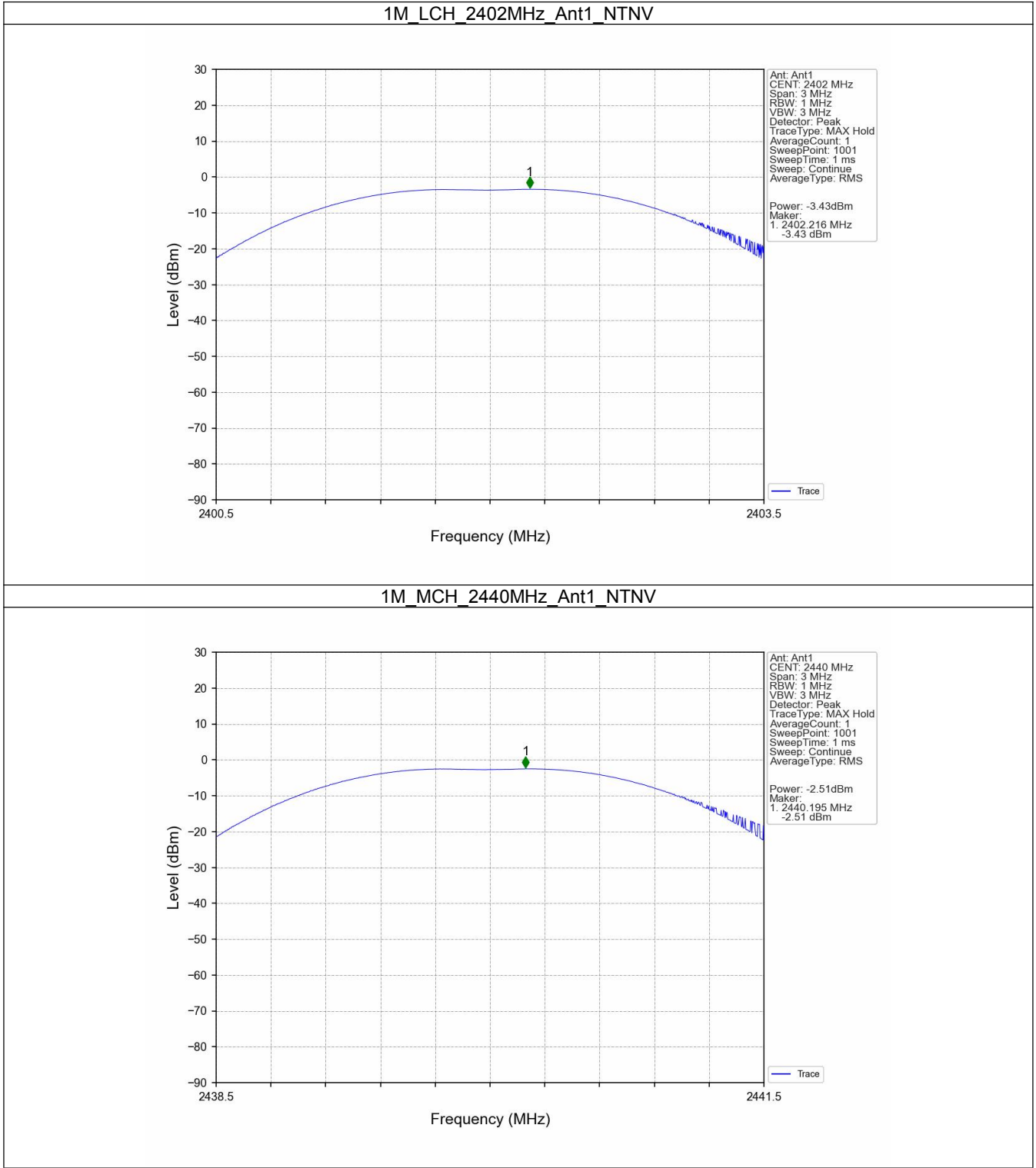
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-3.43	<=30	Pass
		2440	-2.51	<=30	Pass
		2480	-2.56	<=30	Pass
Note1: Antenna Gain: Ant1: -0.58dBi;					

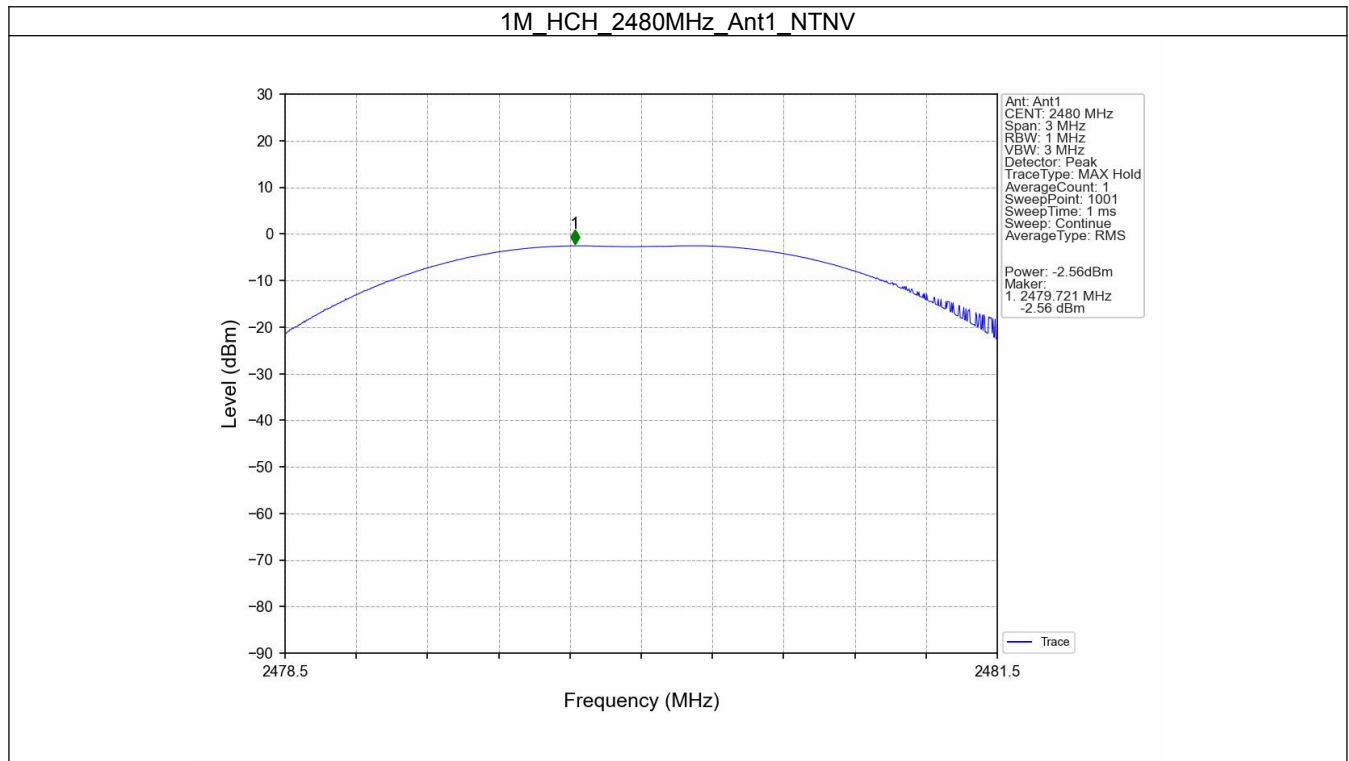
FCC ID: 2BDOH-NSB

3.2 Test Graph

3.2.1 Power



FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

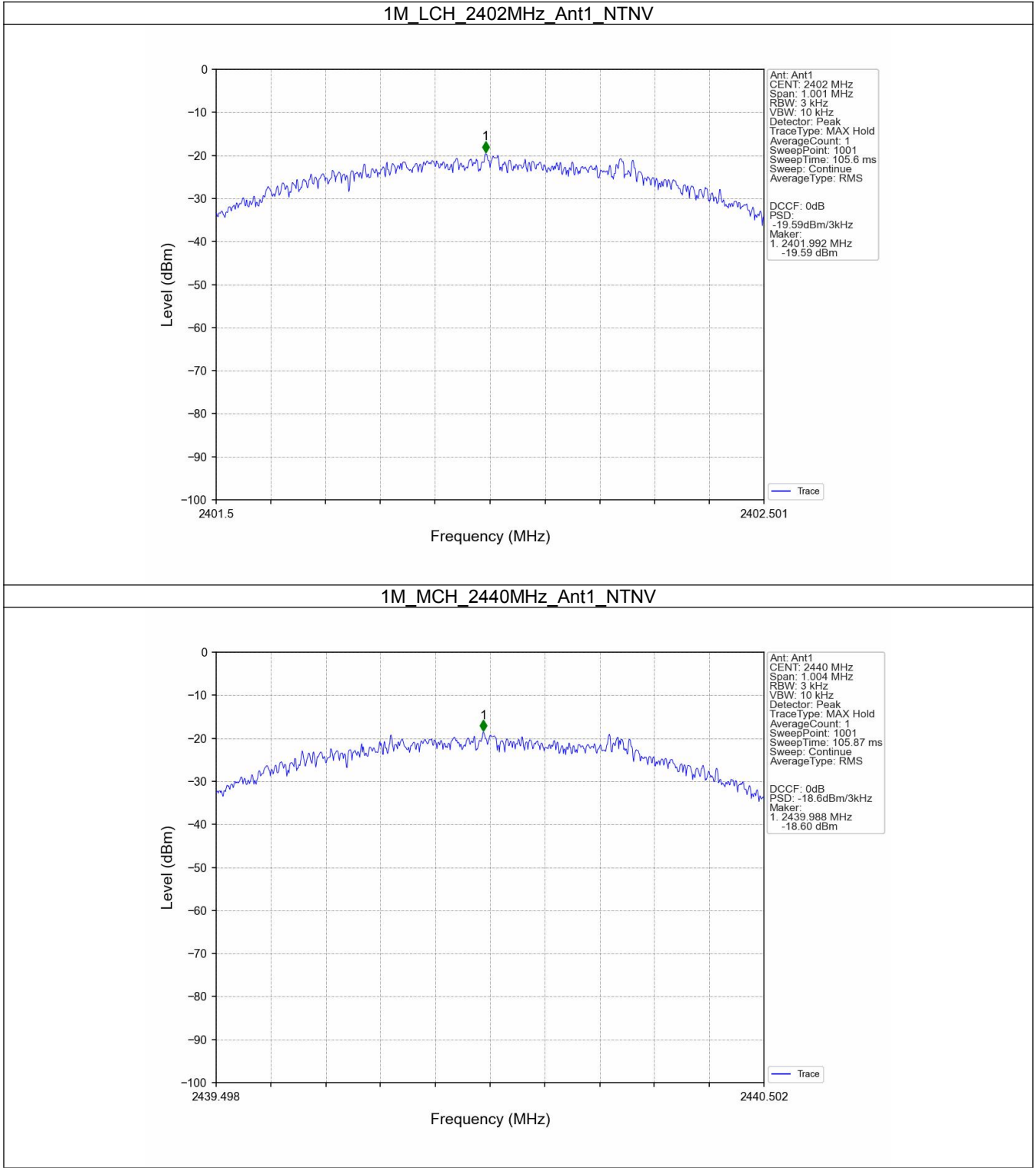
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-19.59	<=8	Pass
		2440	-18.60	<=8	Pass
		2480	-18.60	<=8	Pass

Note1: Antenna Gain: Ant1: -0.58dBi;

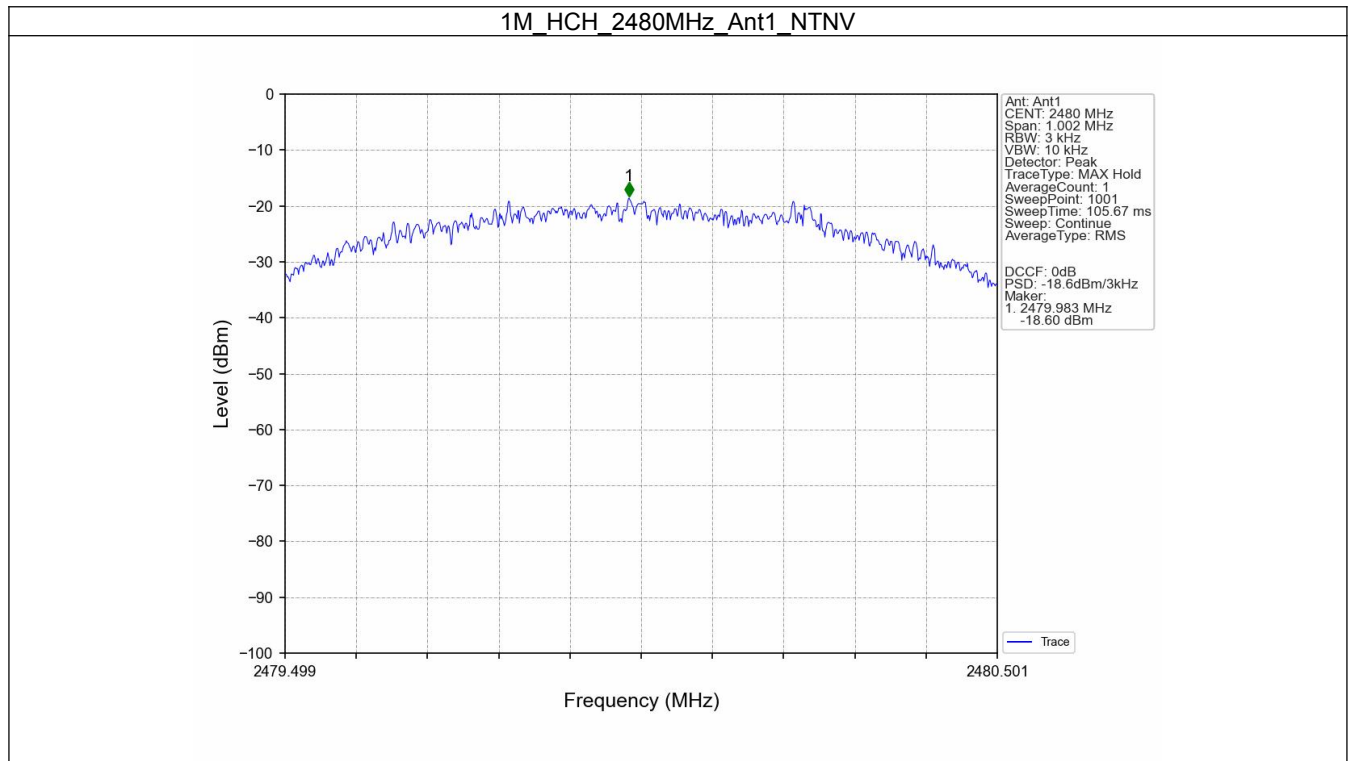
FCC ID: 2BDOH-NSB

4.2 Test Graph

4.2.1 PSD



FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB

5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-3.82
		2440	1	-2.91
		2480	1	-2.95
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

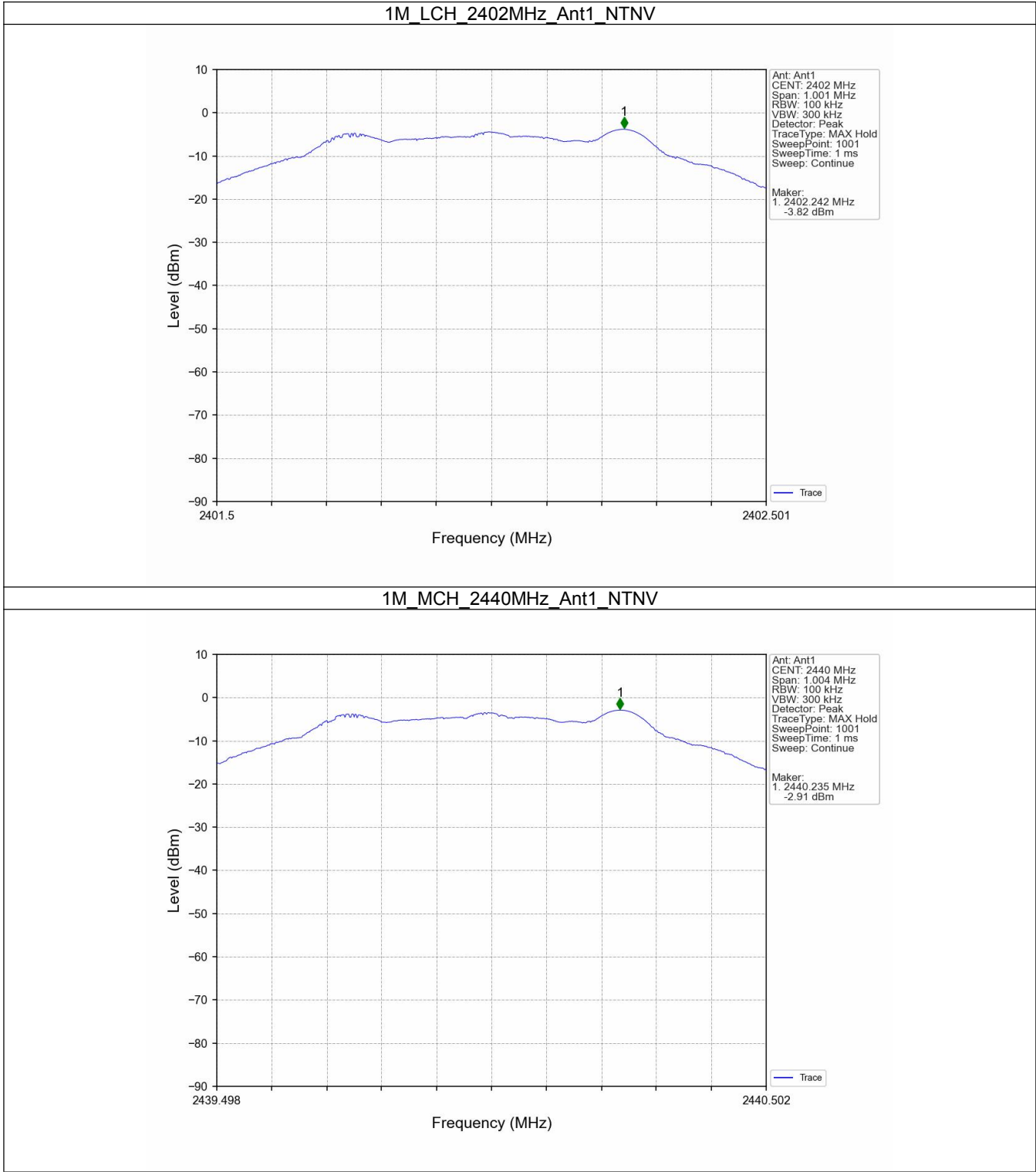
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.91	-22.91	Pass
		2440	1	-2.91	-22.91	Pass
		2480	1	-2.91	-22.91	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

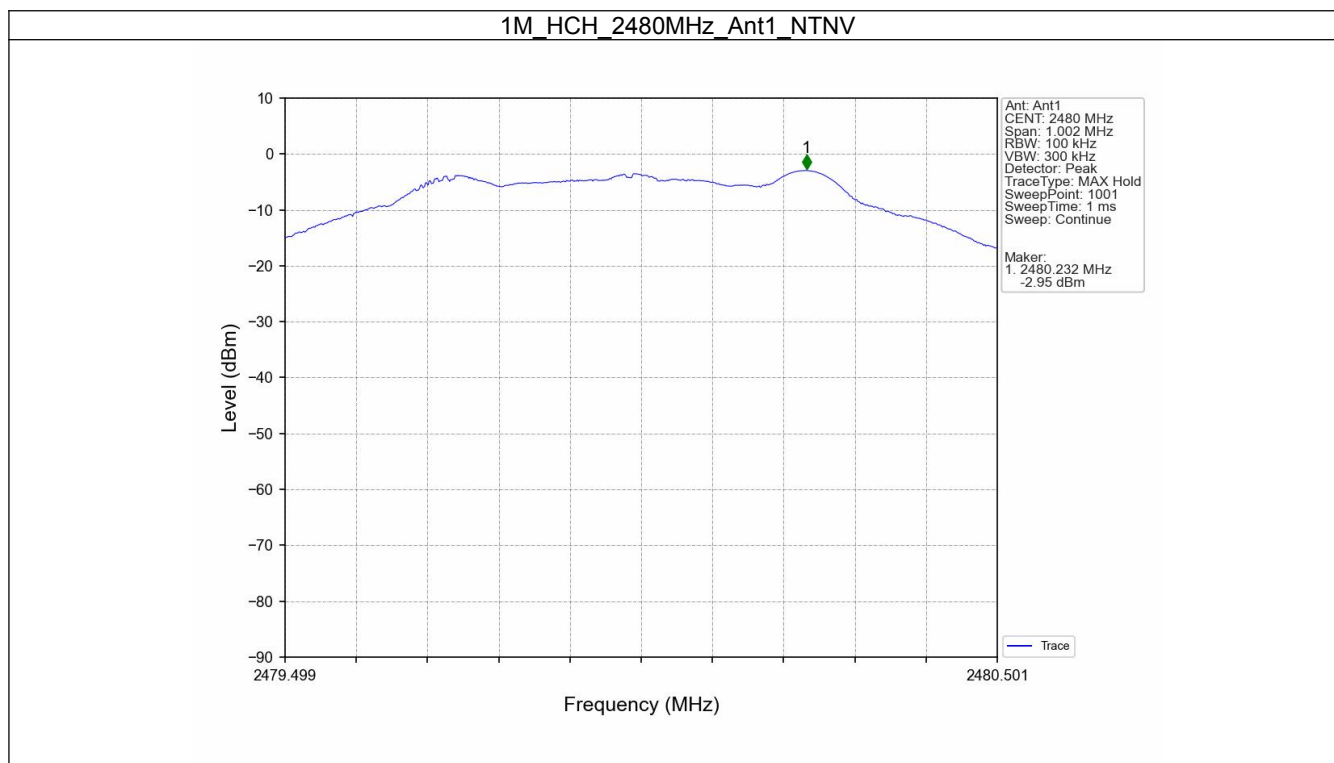
FCC ID: 2BDOH-NSB

5.2 Test Graph

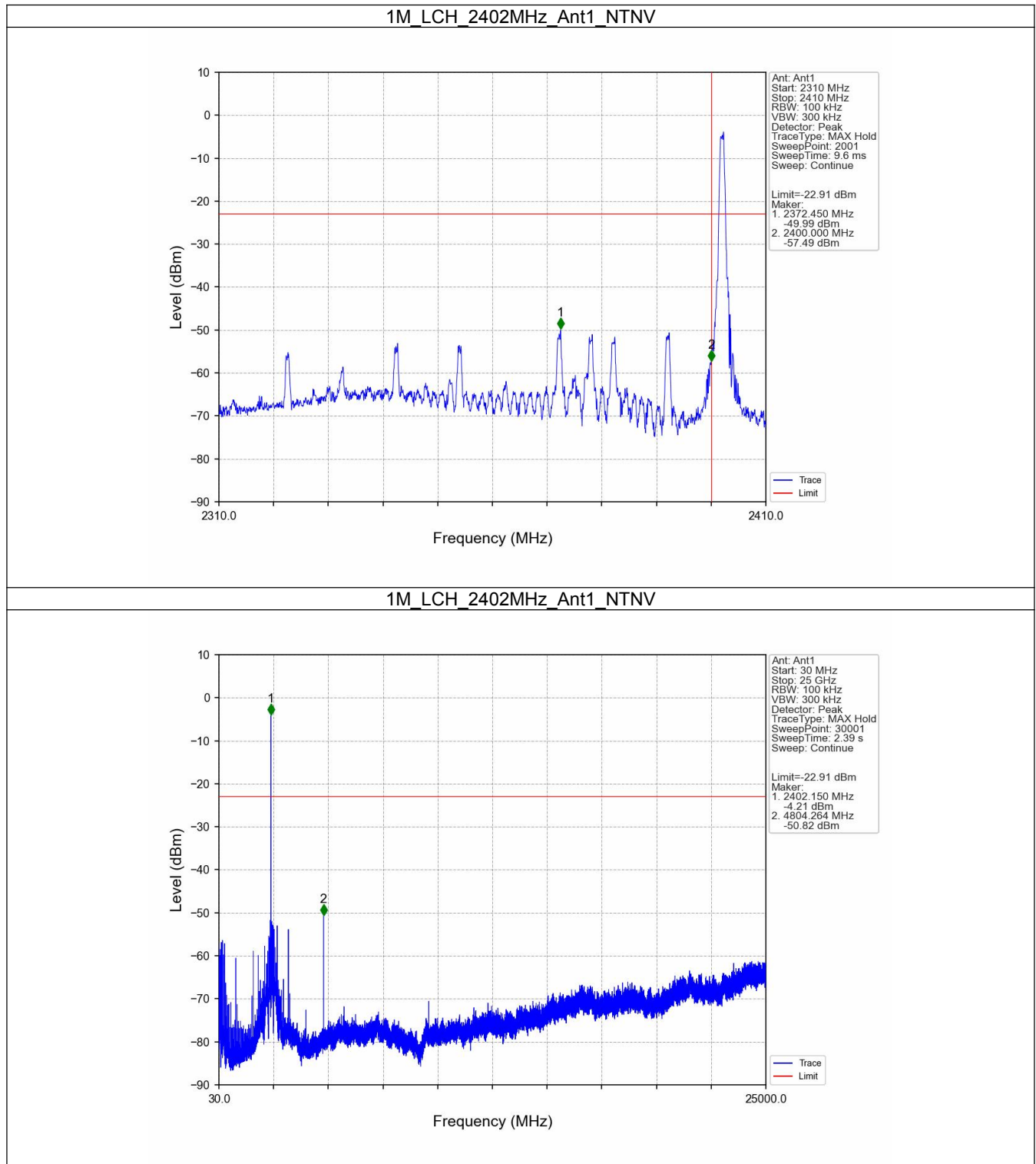
5.2.1 Ref



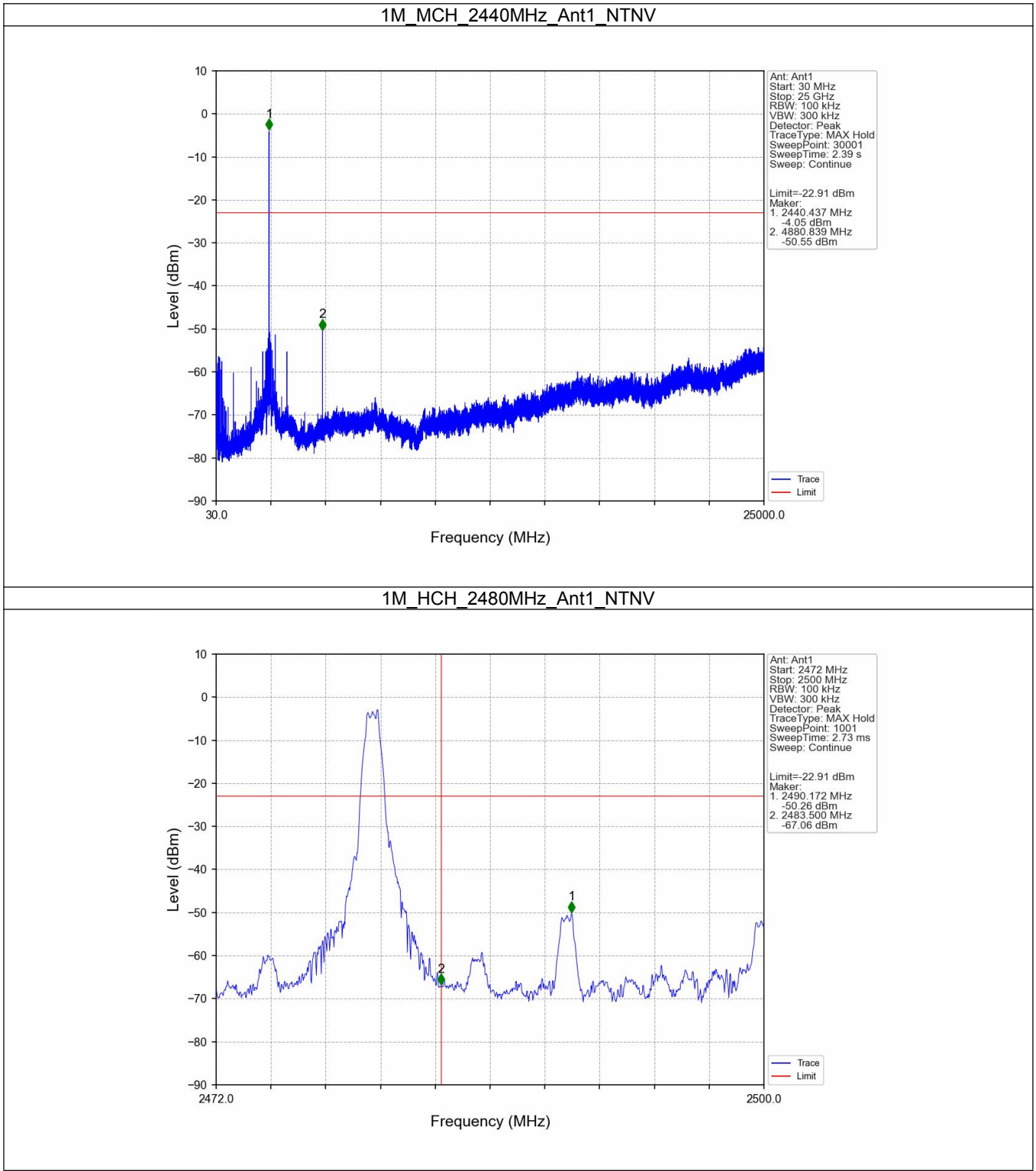
FCC ID: 2BDOH-NSB



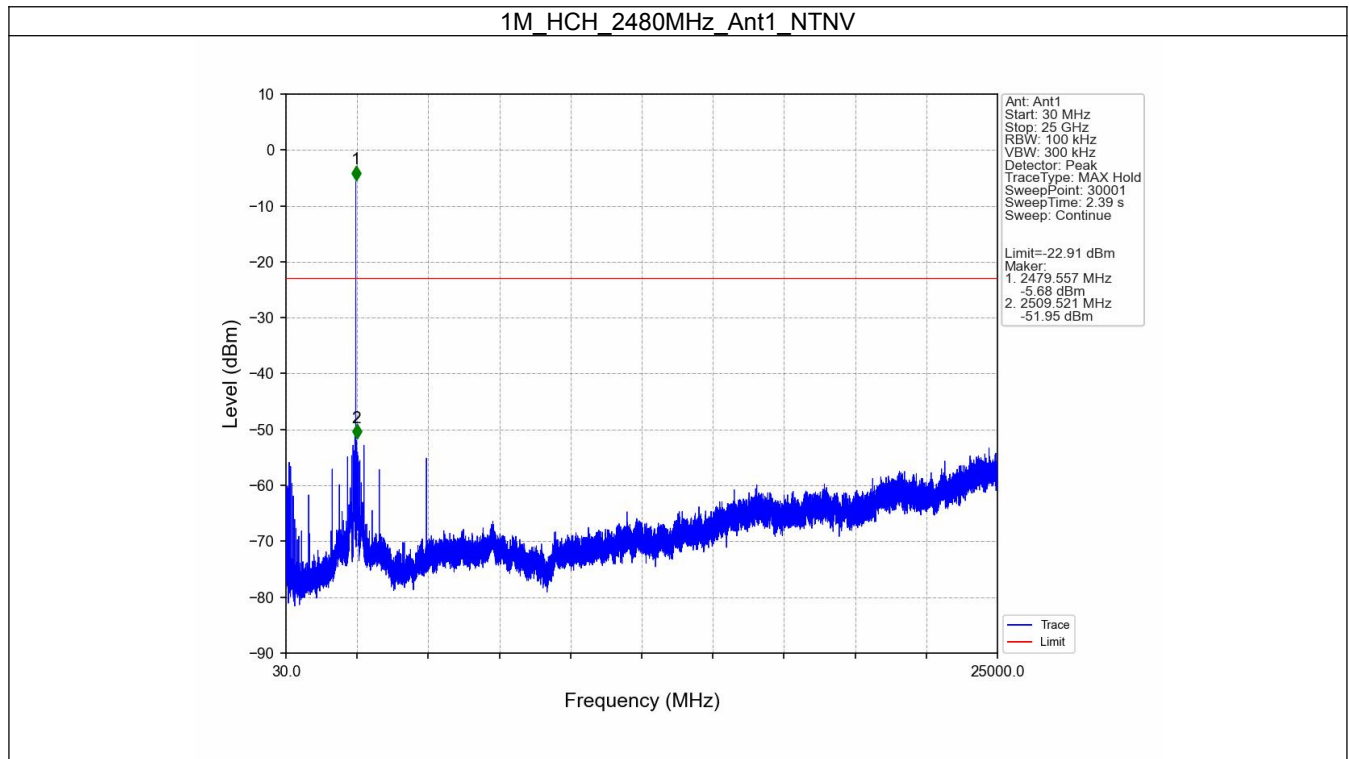
FCC ID: 2BDOH-NSB

5.2.2 CSE

FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB



FCC ID: 2BDOH-NSB

6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0006	-2.51