

FCC Part 15C Test Report

FCC ID: 2A42I-FT55

Applicant: Shenzhen ieecoo Intelligent Co., Ltd

Address: 711, building F, Huafeng International Robot Industrial Park, Hangcheng Avenue, Xixiang, Bao'an District, Shenzhen, China.

Manufacturer: Shenzhen ieecoo Intelligent Co., Ltd

Address: 711, building F, Huafeng International Robot Industrial Park, Hangcheng Avenue, Xixiang, Bao'an District, Shenzhen, China.

Product Name: Smart watch

Trade Mark: N/A

Model Number: FT55
FT55S, FT55P, FT55U, FT55M, FT55X, FT55 pro, FT55 ultra, FT55 max, FT55 plus

Date of Receipt: Jul. 26, 2025

Test Date: Jul. 26, 2025 – Aug. 08, 2025

Date of Report: Aug. 08, 2025

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

1. Duty Cycle

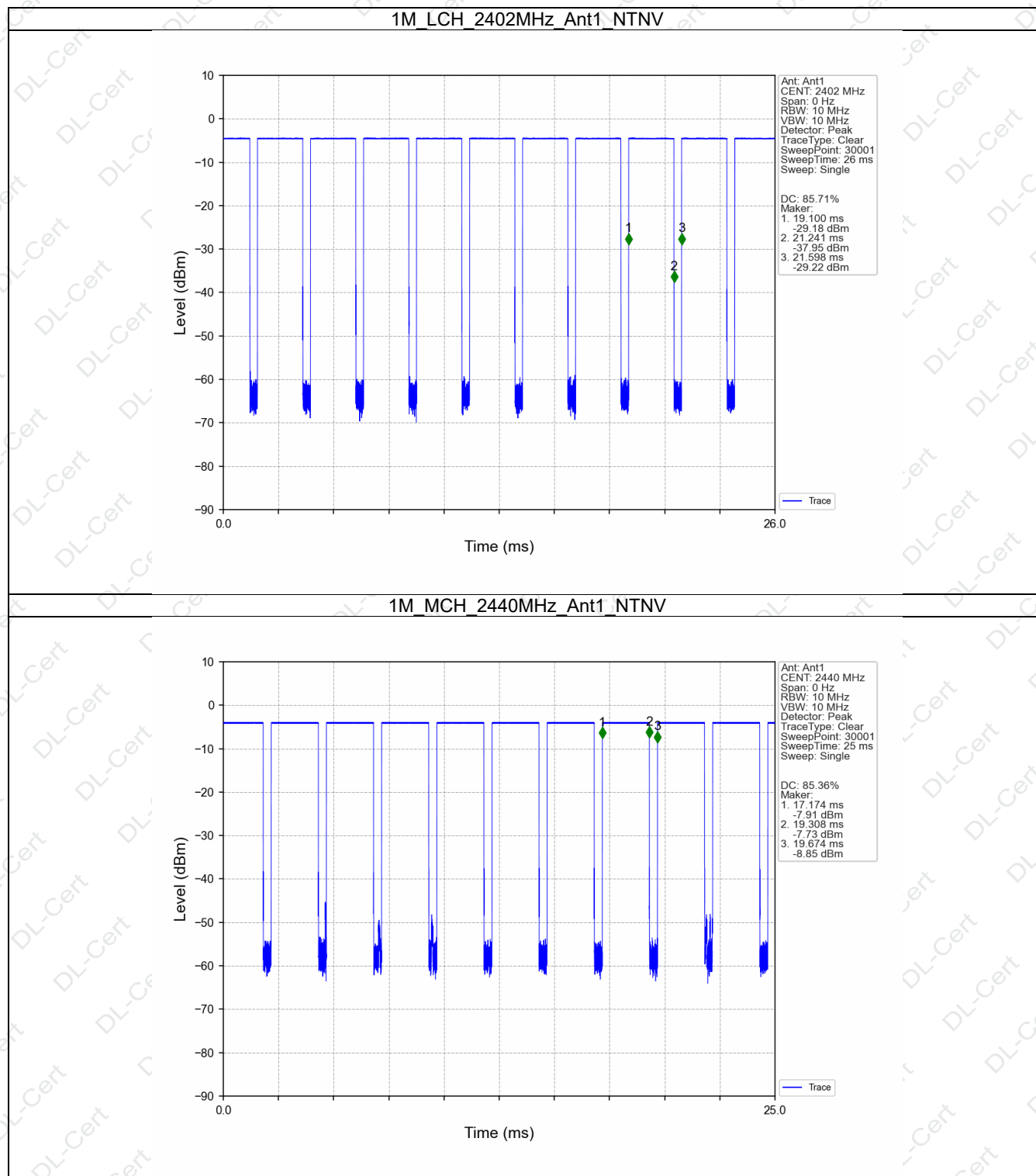
1.1 Test Result

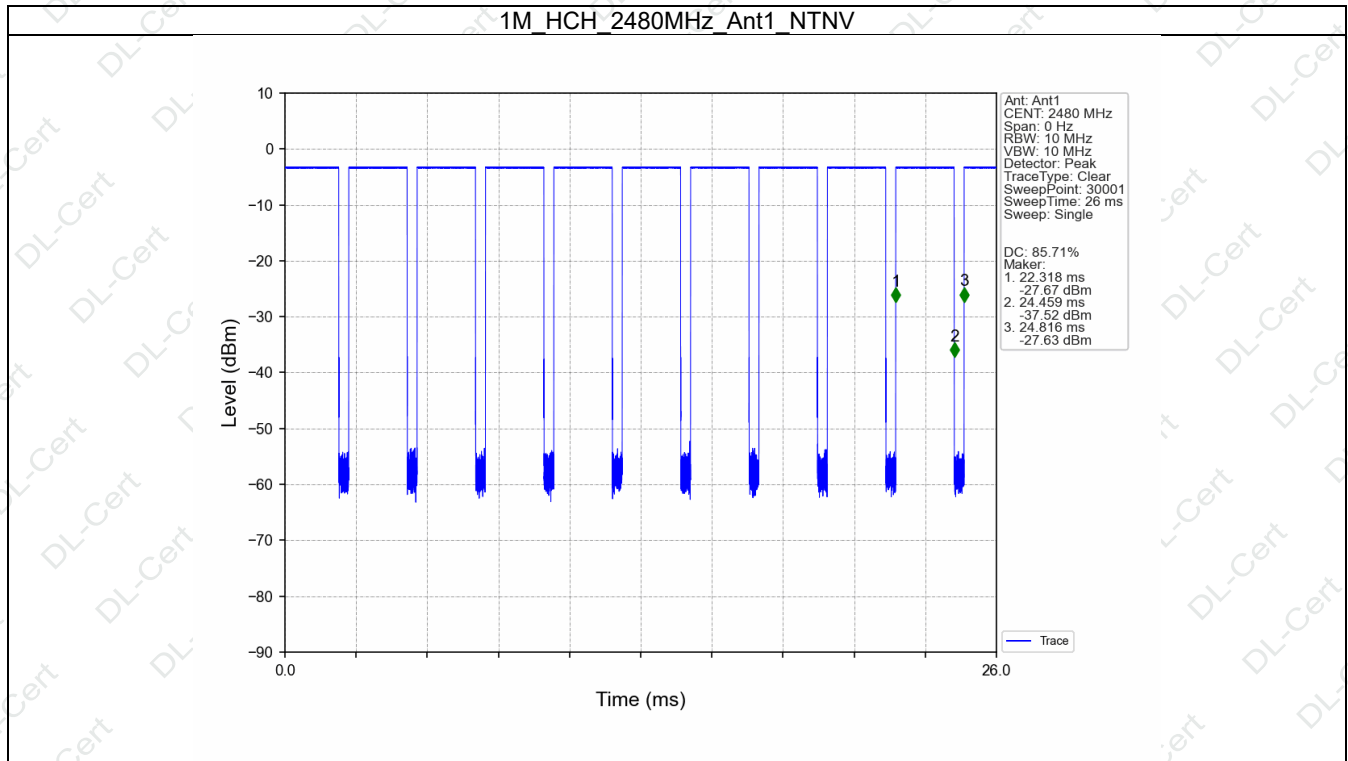
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.141	2.498	85.71	0.67	0.03
		2440	2.134	2.500	85.36	0.69	0.03
		2480	2.141	2.498	85.71	0.67	0.03

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

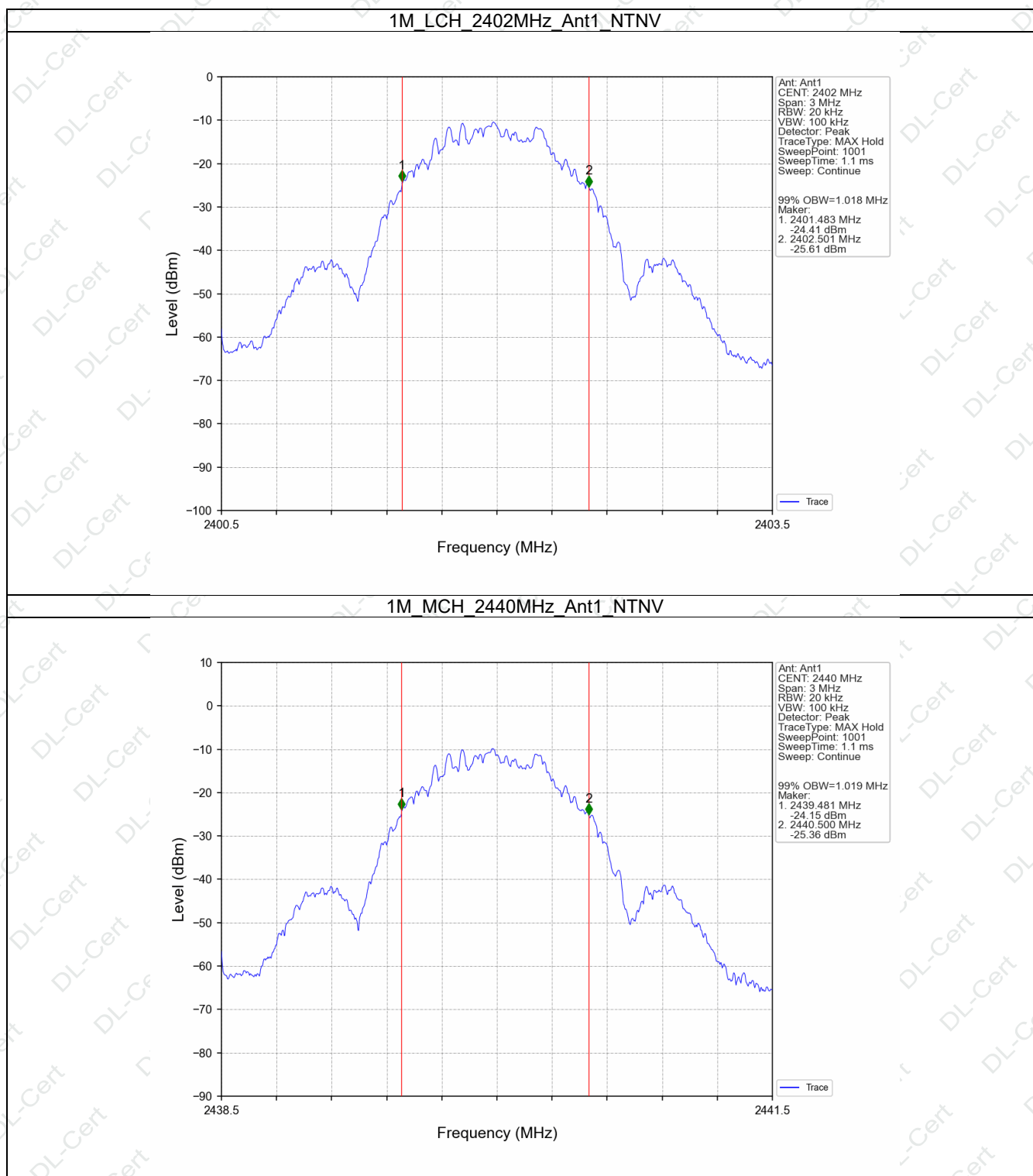
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.018	/	Pass
		2440	1	1.019	/	Pass
		2480	1	1.019	/	Pass

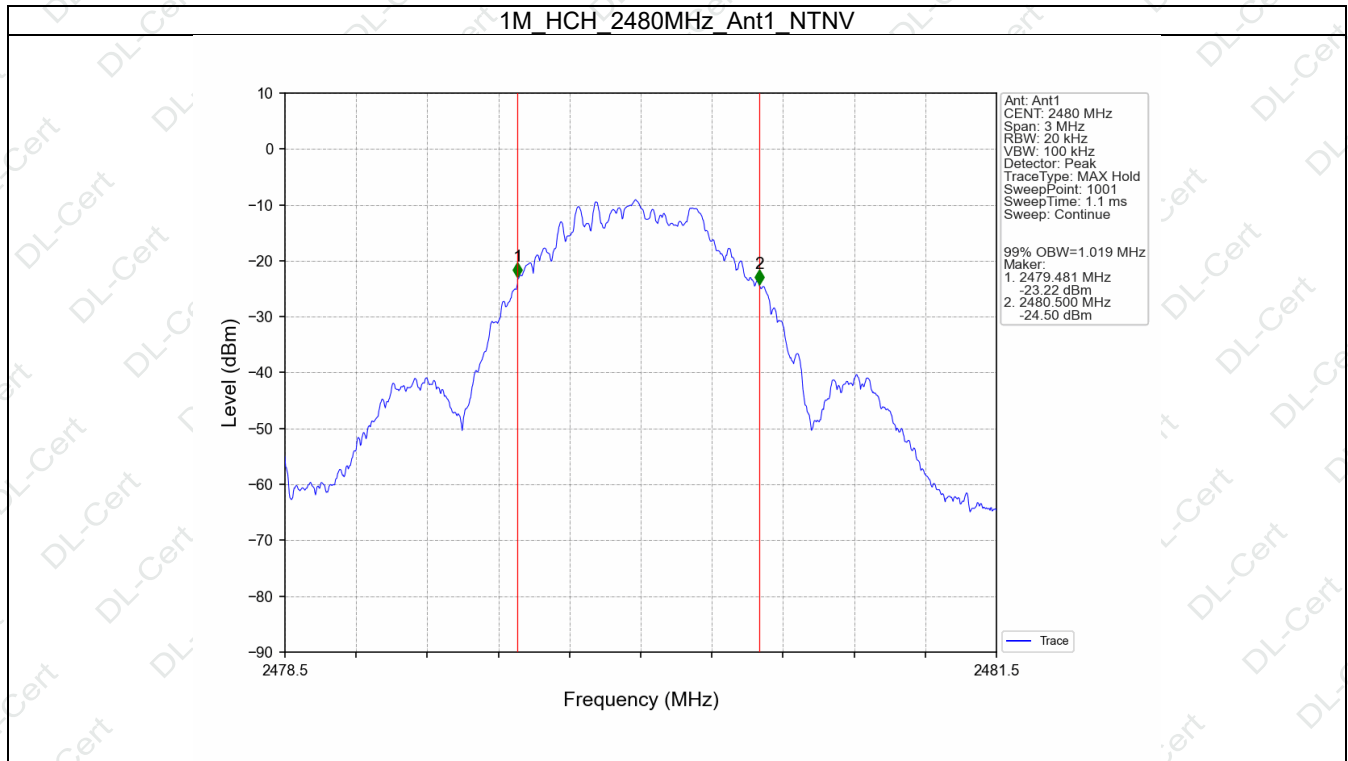
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.665	>=0.5	Pass
		2440	1	0.668	>=0.5	Pass
		2480	1	0.667	>=0.5	Pass

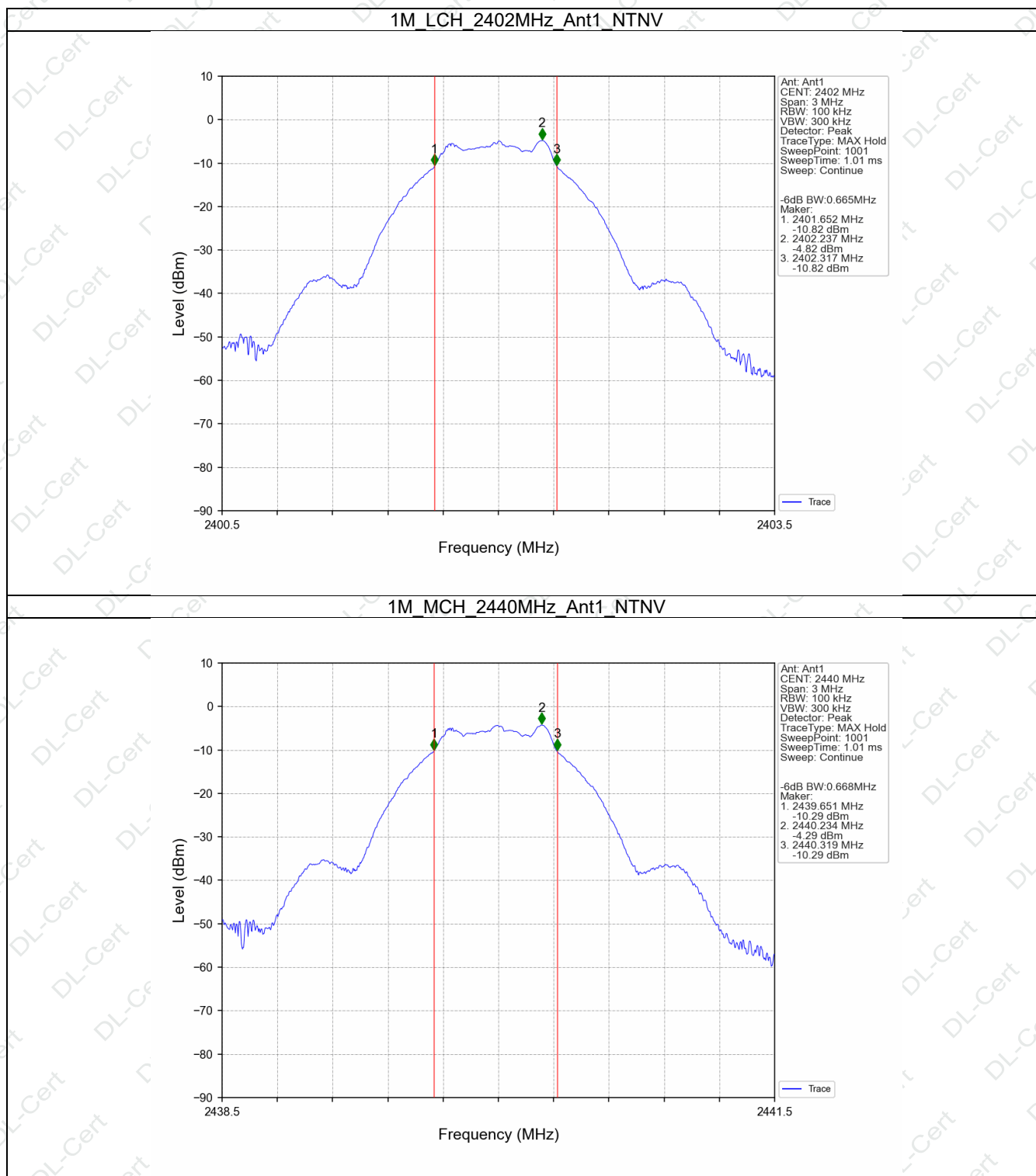
2.2 Test Graph

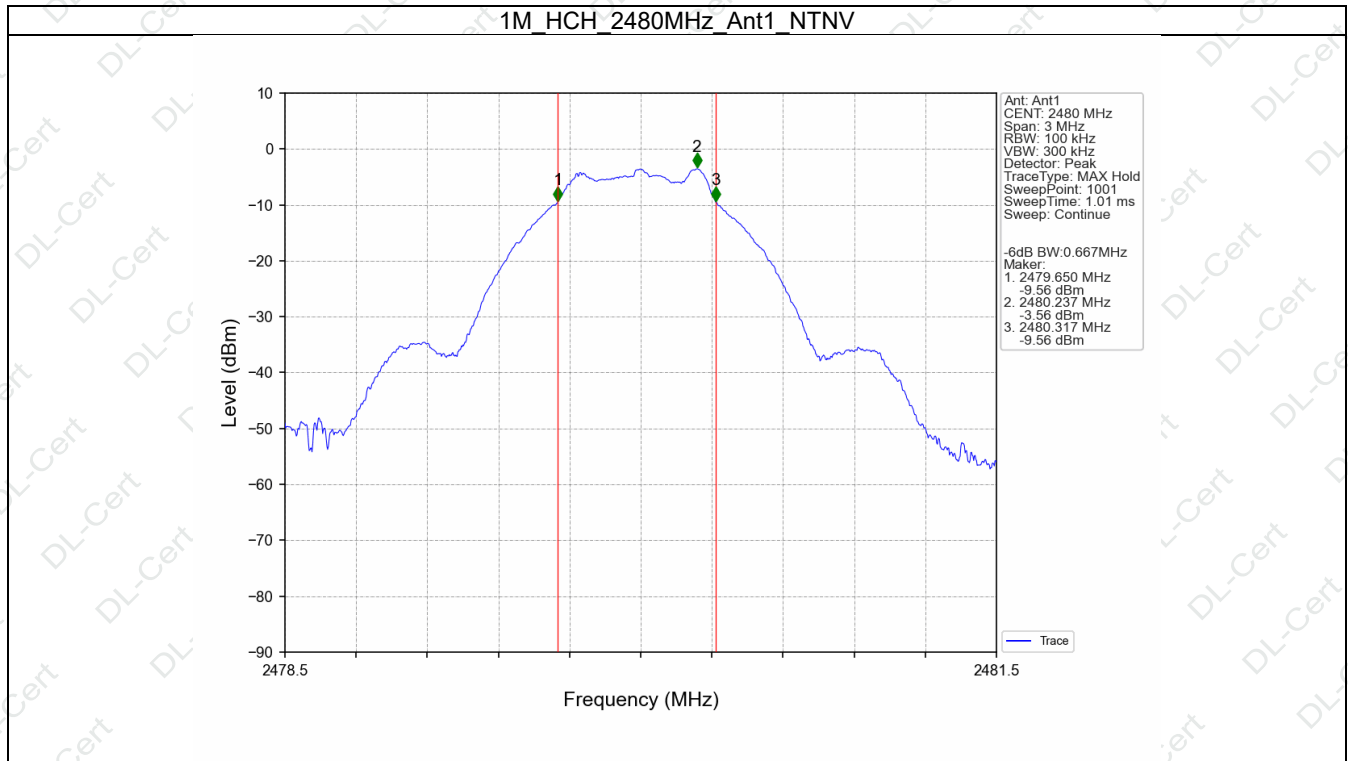
2.2.1 OBW





2.2.2 6dB BW





3. Maximum Conducted Output Power

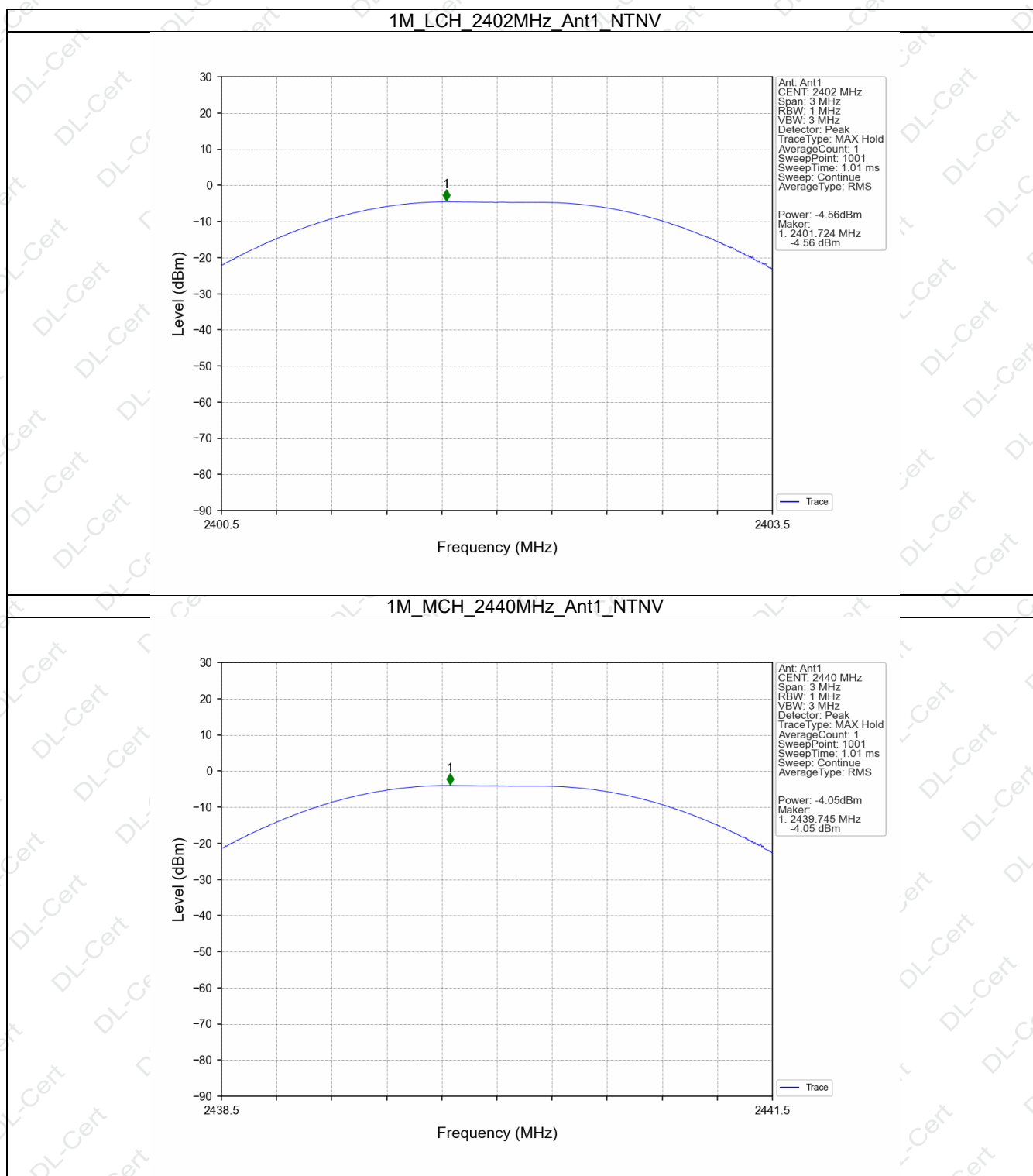
3.1 Test Result

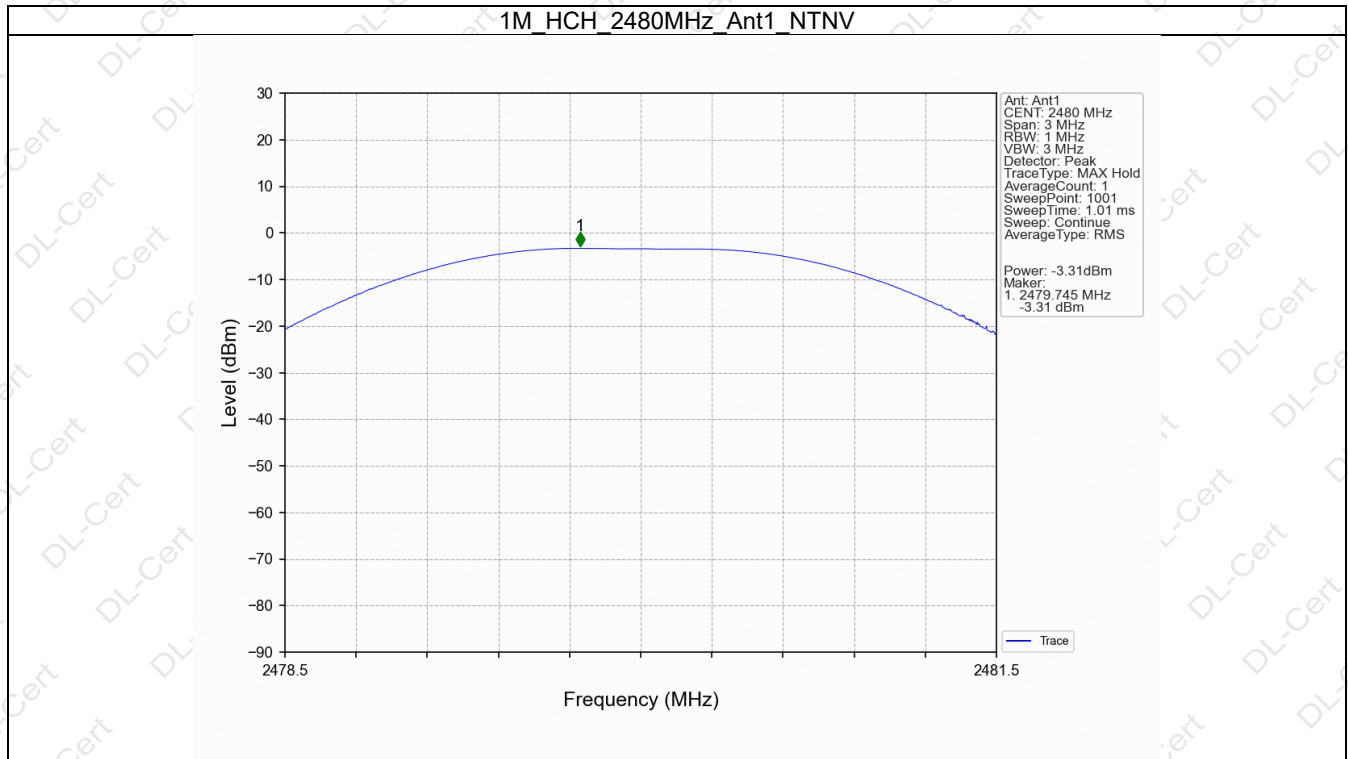
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-4.56	<=30	Pass
		2440	-4.05	<=30	Pass
		2480	-3.31	<=30	Pass

3.2 Test Graph

3.2.1 Power





4. Maximum Power Spectral Density

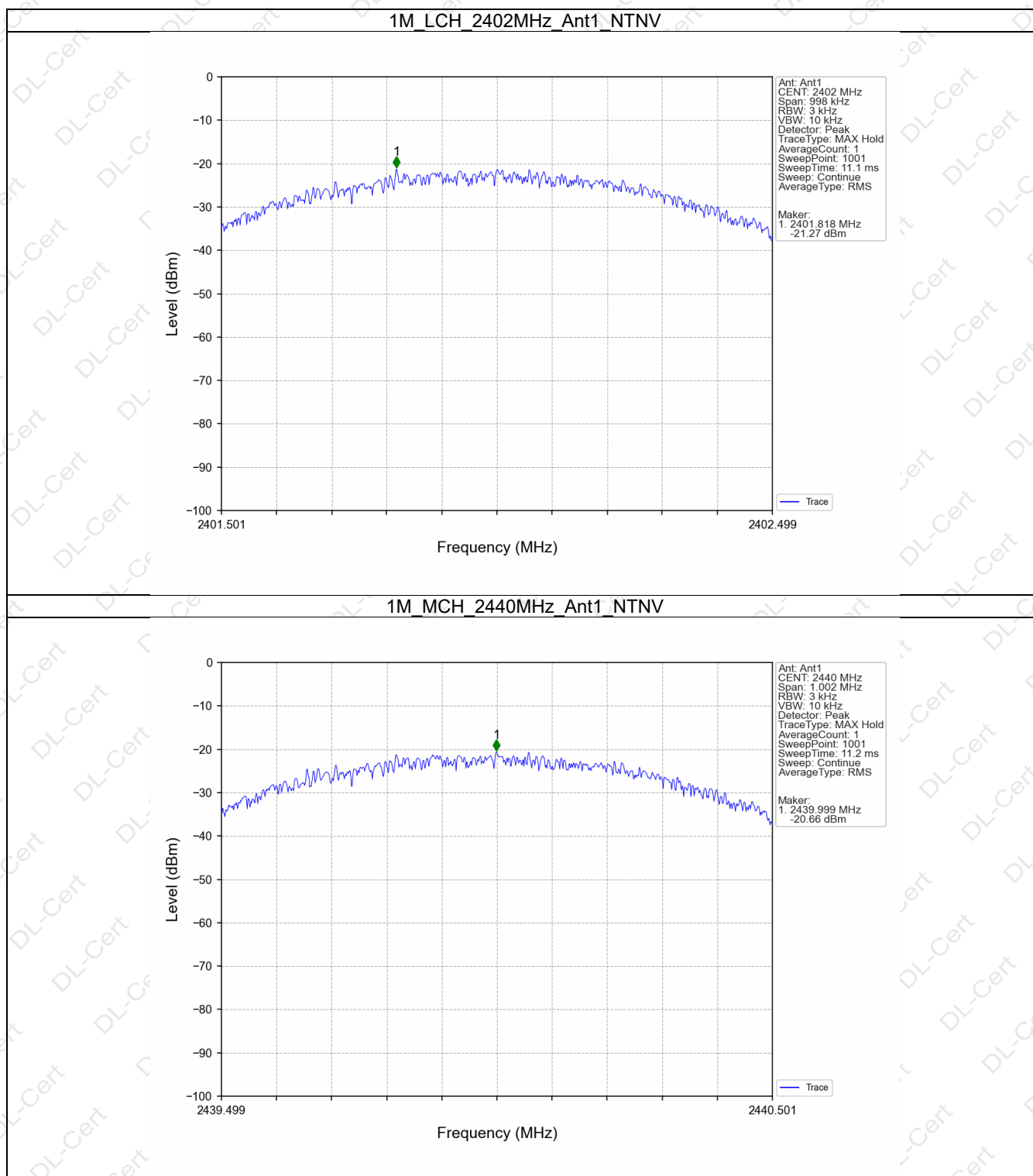
4.1 Test Result

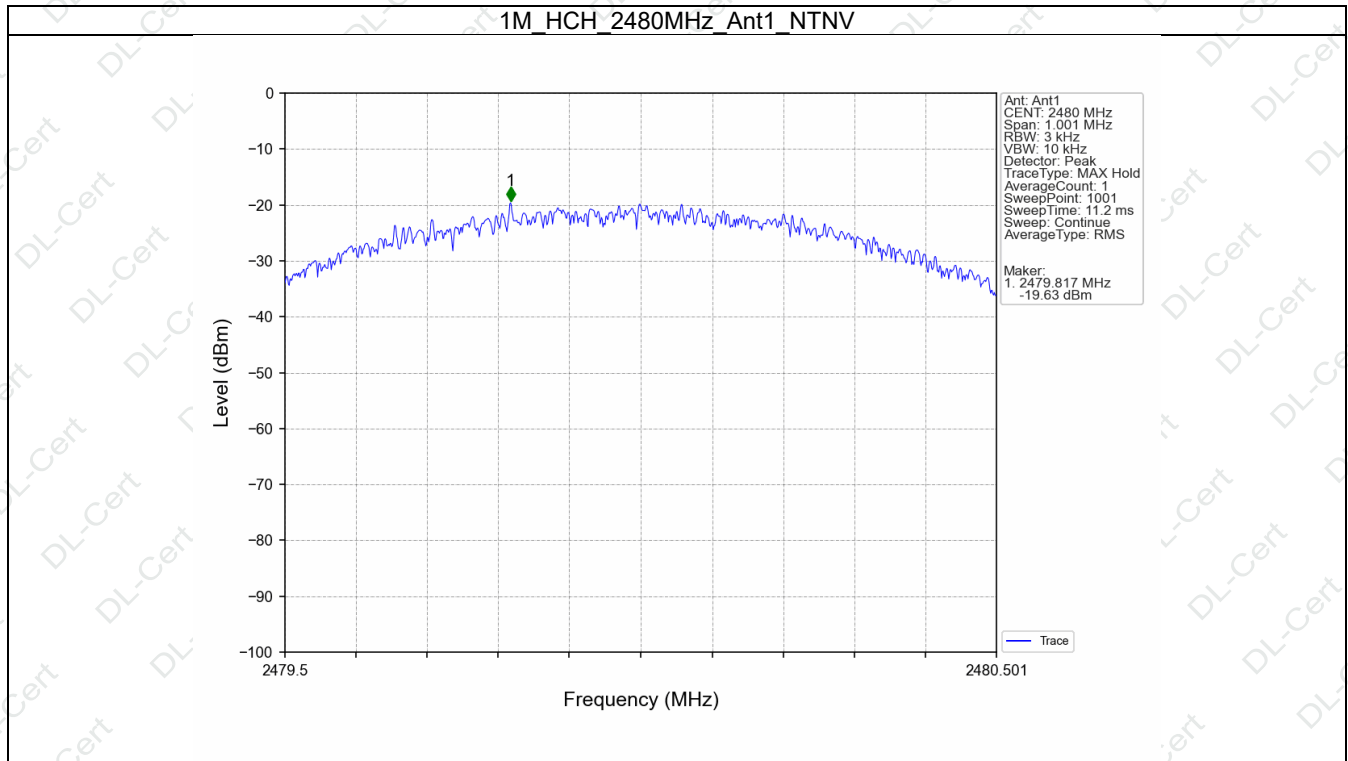
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-21.27	<=8	Pass
		2440	-20.66	<=8	Pass
		2480	-19.63	<=8	Pass

4.2 Test Graph

4.2.1 PSD





5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

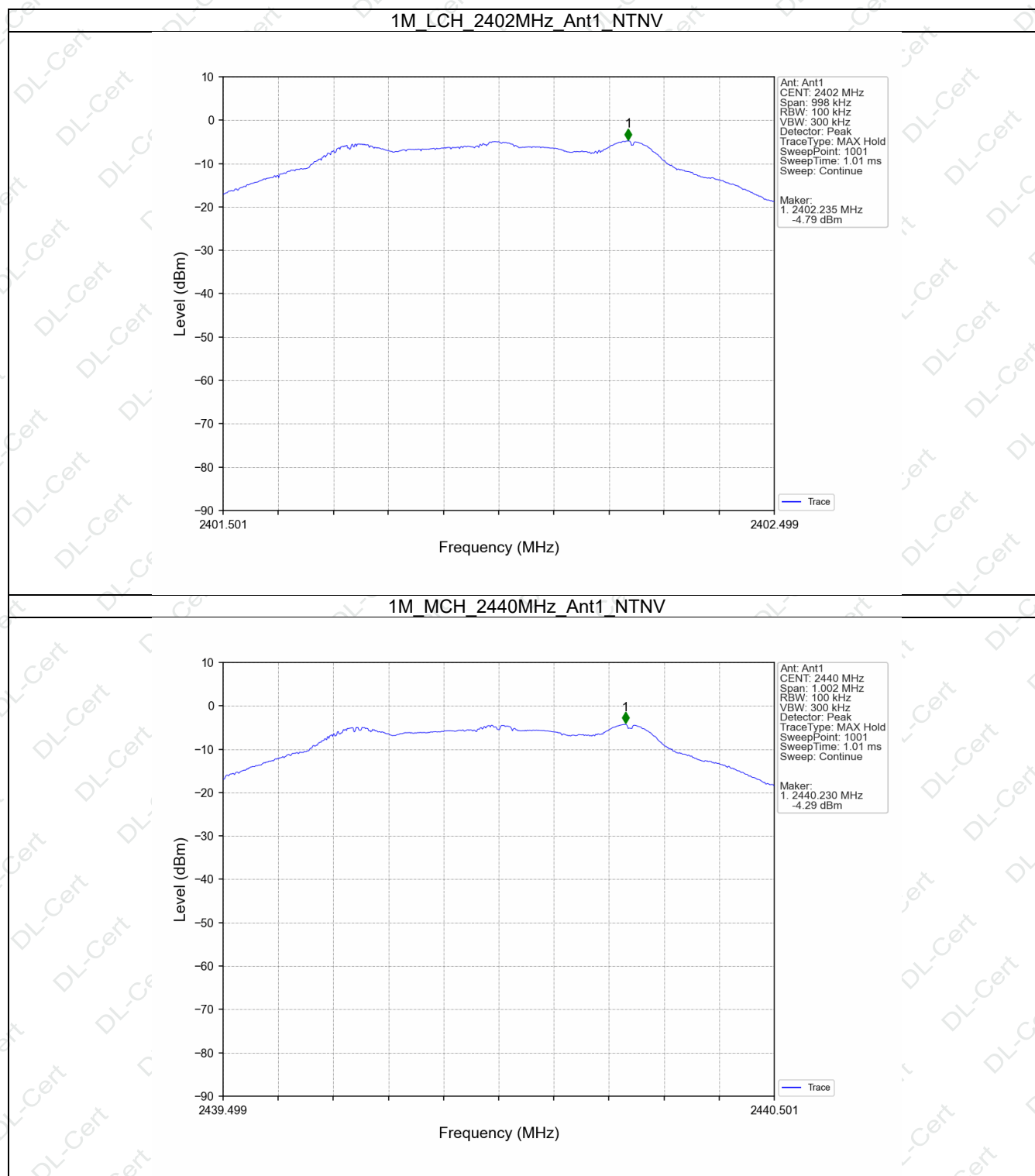
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-4.79
		2440	1	-4.29
		2480	1	-3.53
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

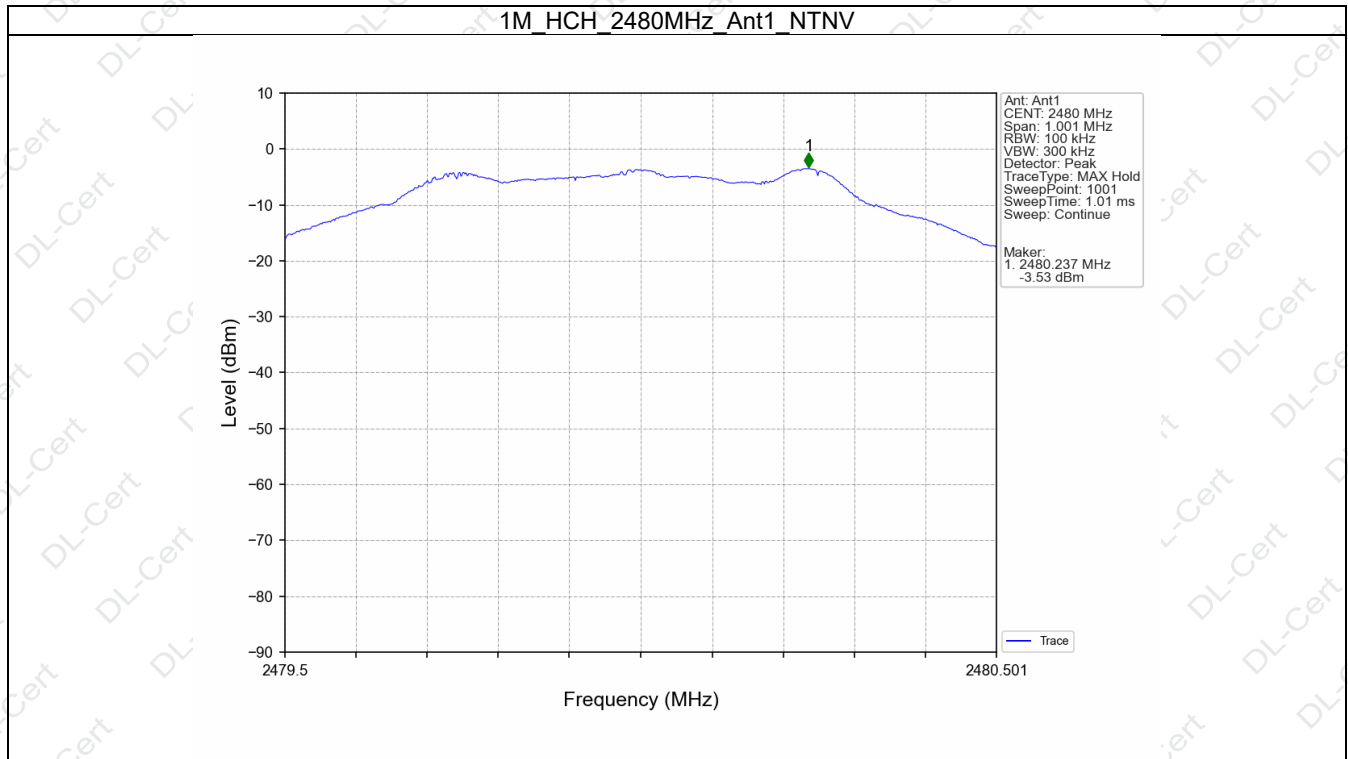
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-4.79	-24.79	Pass
		2440	1	-4.29	-24.29	Pass
		2480	1	-3.53	-23.53	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.						

5.2 Test Graph

5.2.1 Ref





5.2.2 CSE

