

ANNEX TEST DATA BLE

FCC ID: 2BD9O-TG5050-1

Applicant: HUIZHOU RONG YE JIA ELECTRONICS CO., LTD

Address: 172. No.1 Baiyun Road, Danshui Town, Huiyang District.Huizhou, Guangdong, China

Manufacturer: HUIZHOU RONG YE JIA ELECTRONICS CO., LTD

Address: 172. No.1 Baiyun Road, Danshui Town, Huiyang District.Huizhou, Guangdong, China

Product Name: SMART PRO S

Trade Mark: TRIMUI

Model Number: TG5050

Date of Receipt: Sep. 10, 2026

Test Date: Sep. 10, 2026 – Sep. 21, 2026

Date of Report: Sep. 21, 2026

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 C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

Test Result: Pass

Report Number: DLE-260910007R

1. Bandwidth

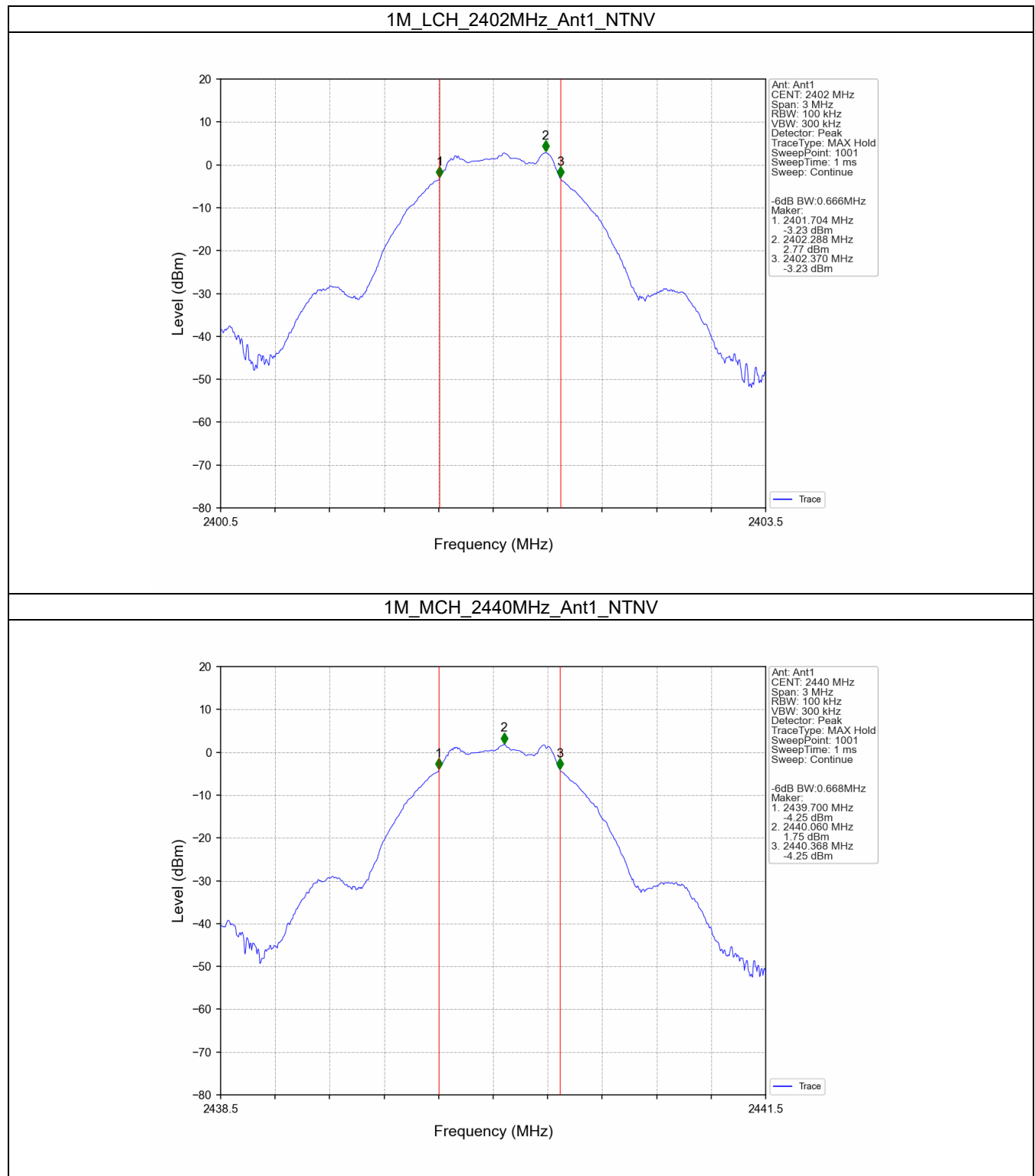
1.1 Test Result

1.1.1 6dB BW

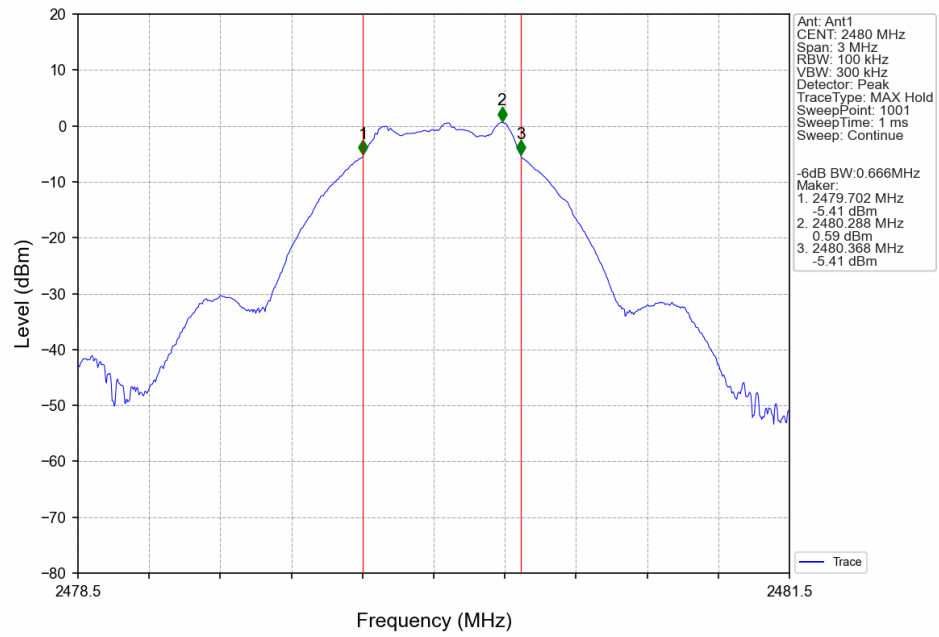
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.666	≥ 0.5	Pass
		2440	1	0.668	≥ 0.5	Pass
		2480	1	0.666	≥ 0.5	Pass

1.2 Test Graph

1.2.1 6dB BW



1M_HCH_2480MHz_Ant1_NTNV



2. Maximum Conducted Output Power

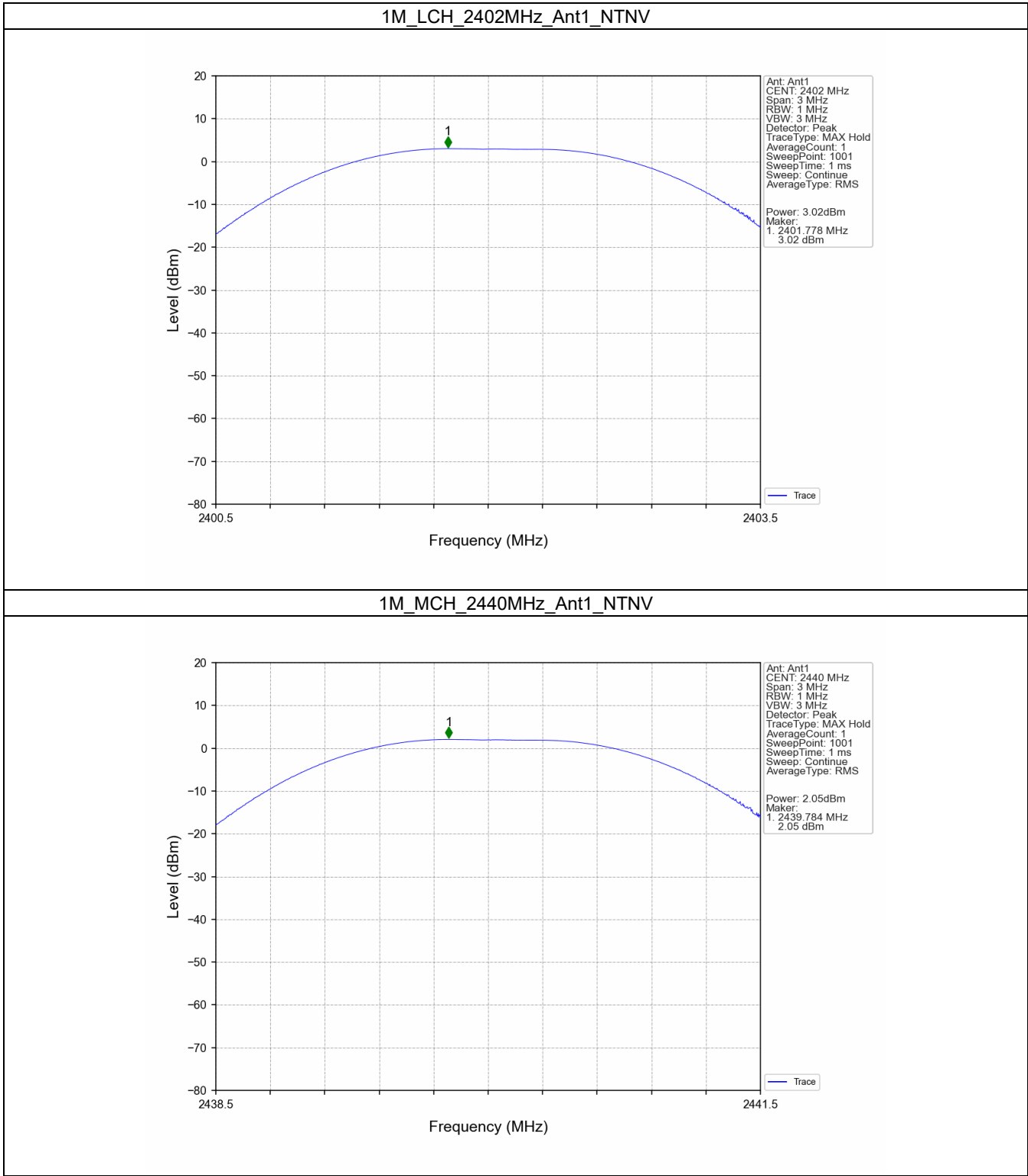
2.1 Test Result

2.1.1 Power

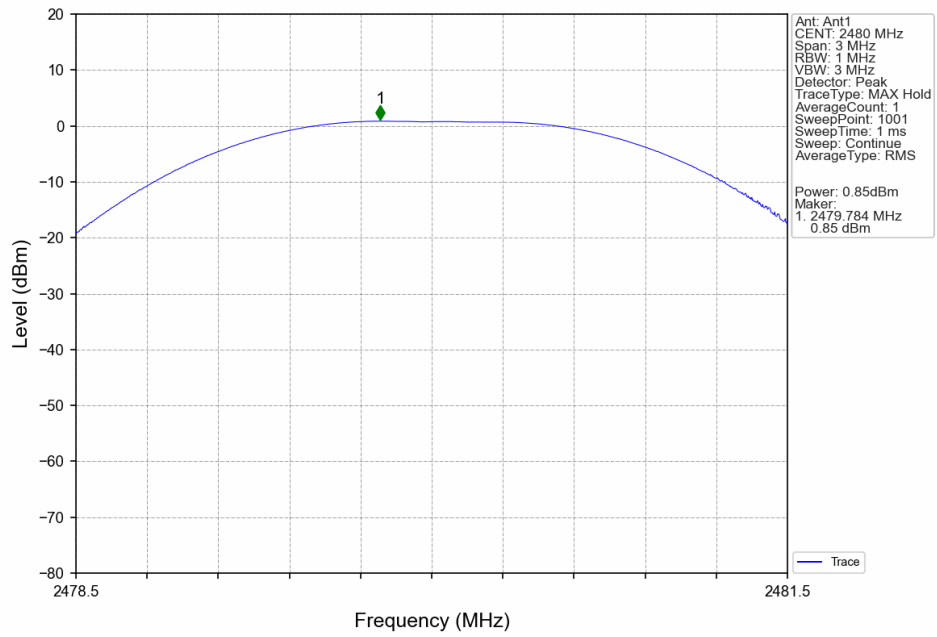
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.02	<=30	Pass
		2440	2.05	<=30	Pass
		2480	0.85	<=30	Pass

2.2 Test Graph

2.2.1 Power



1M_HCH_2480MHz_Ant1_NTNV



3. Maximum Power Spectral Density

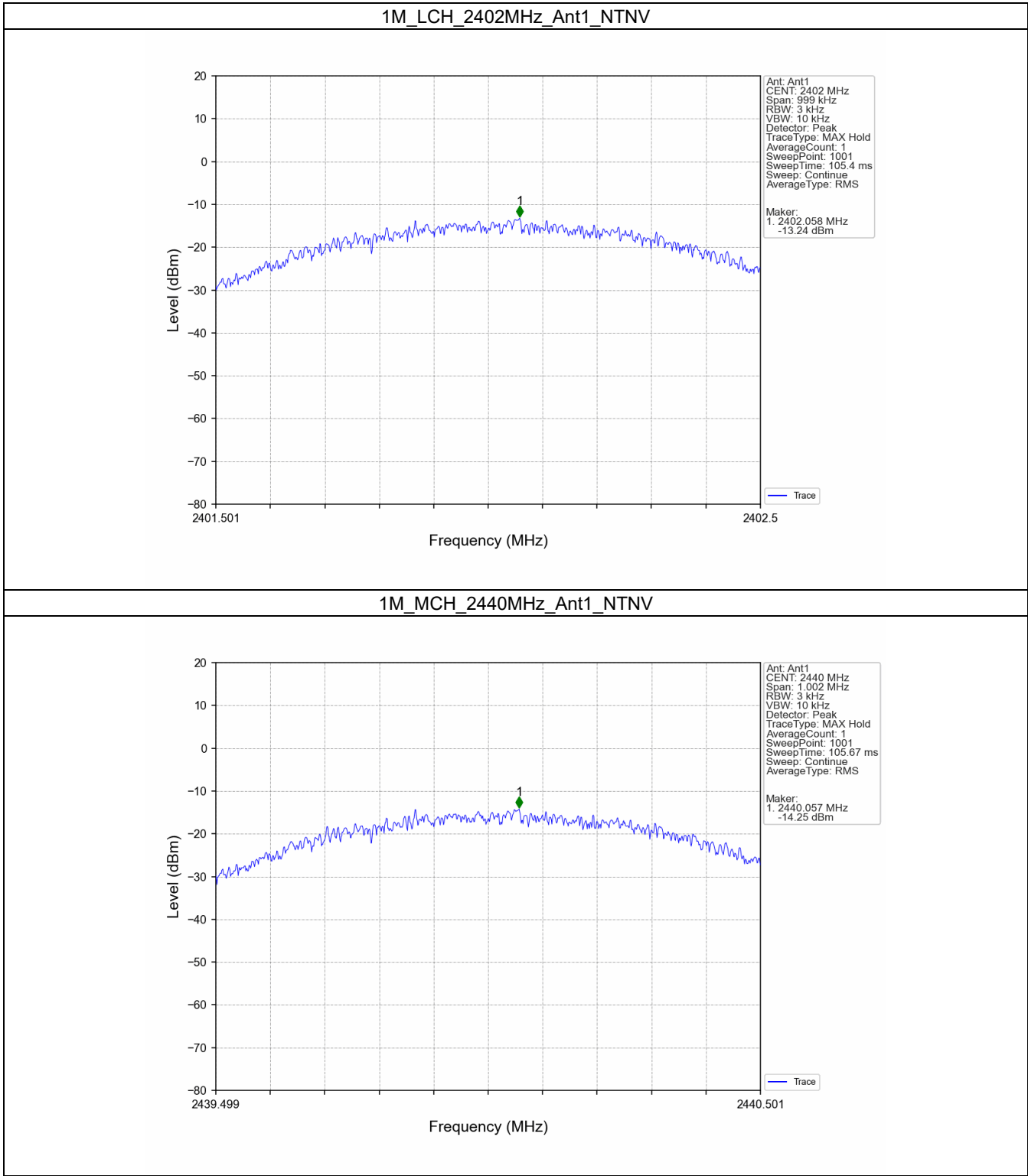
3.1 Test Result

3.1.1 PSD

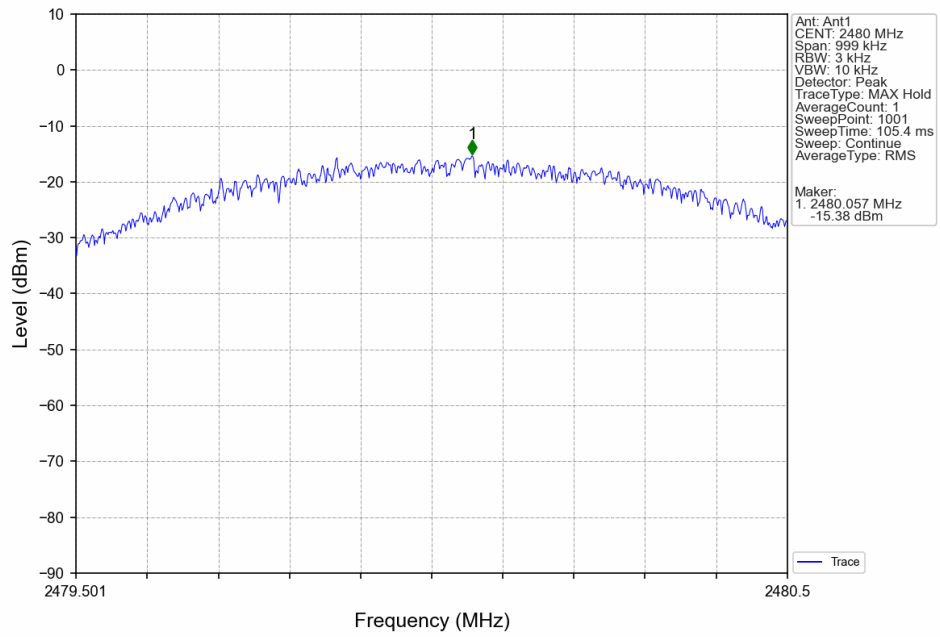
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-13.24dBm/3kHz	<=8	Pass
		2440	-14.25dBm/3kHz	<=8	Pass
		2480	-15.38dBm/3kHz	<=8	Pass

3.2 Test Graph

3.2.1 PSD



1M_HCH_2480MHz_Ant1_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

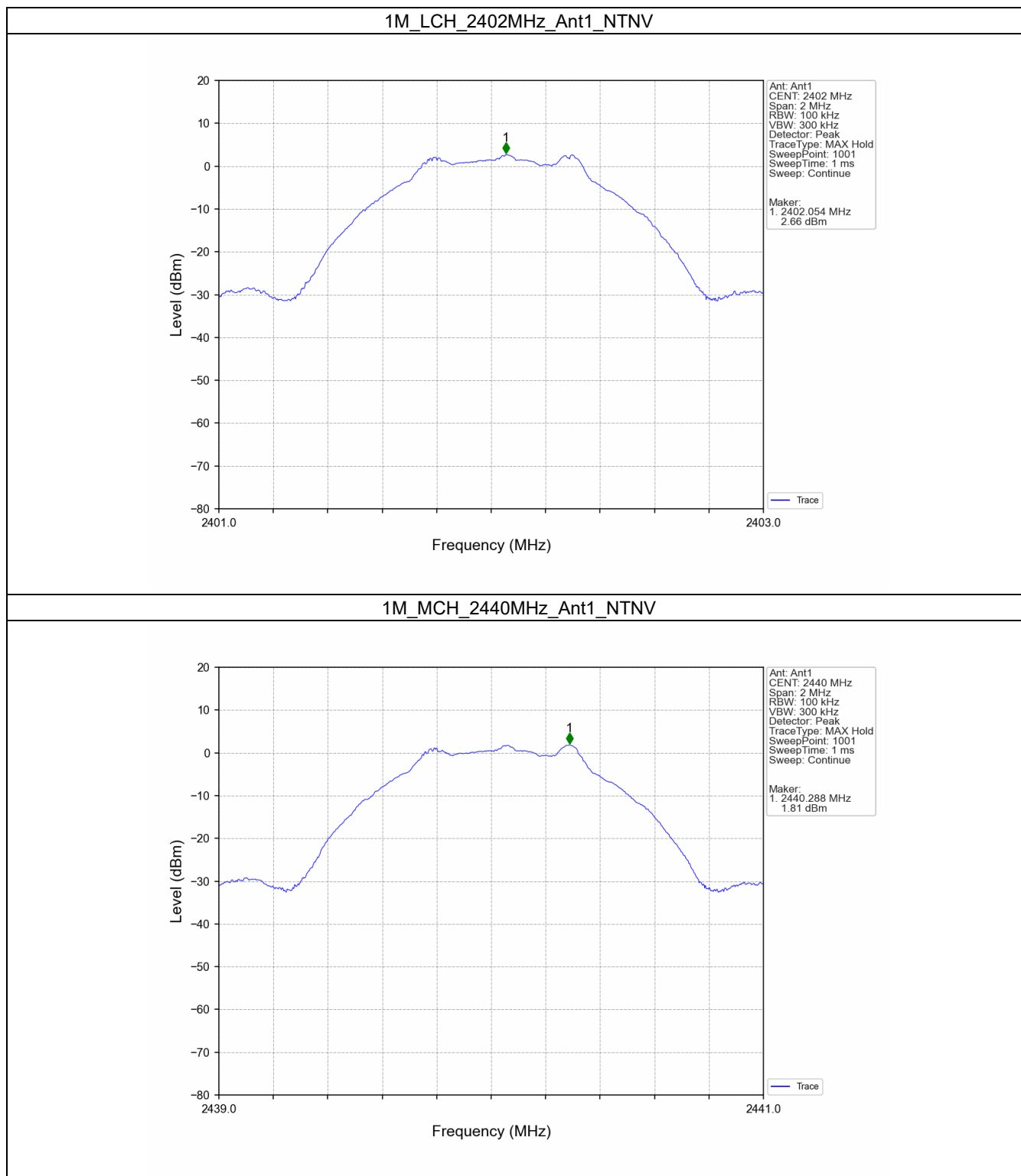
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	2.66
		2440	1	1.81
		2480	1	0.58

4.1.2 CSE

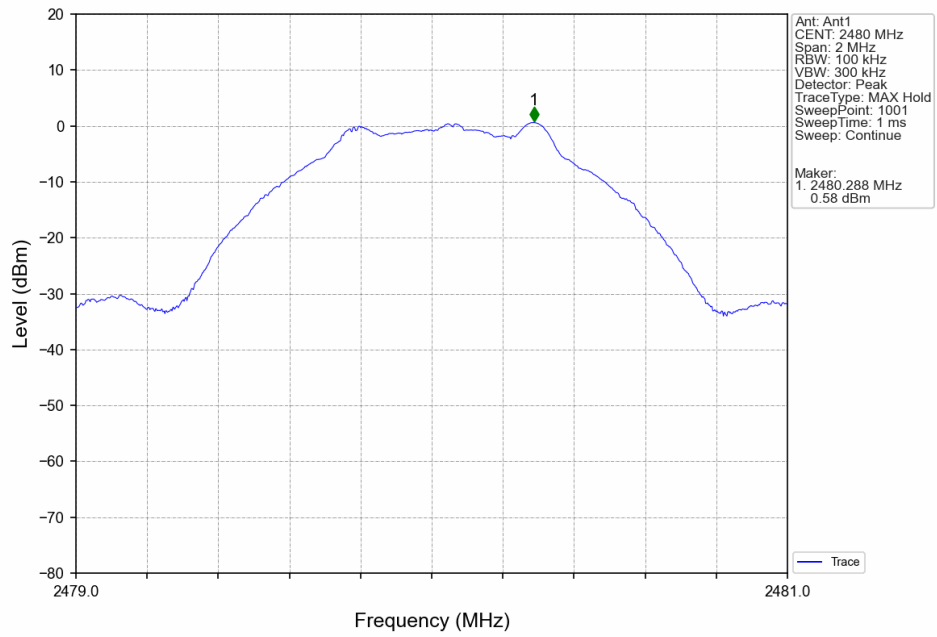
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.66	-17.34	Pass
		2440	1	1.81	-18.19	Pass
		2480	1	0.58	-19.42	Pass

4.2 Test Graph

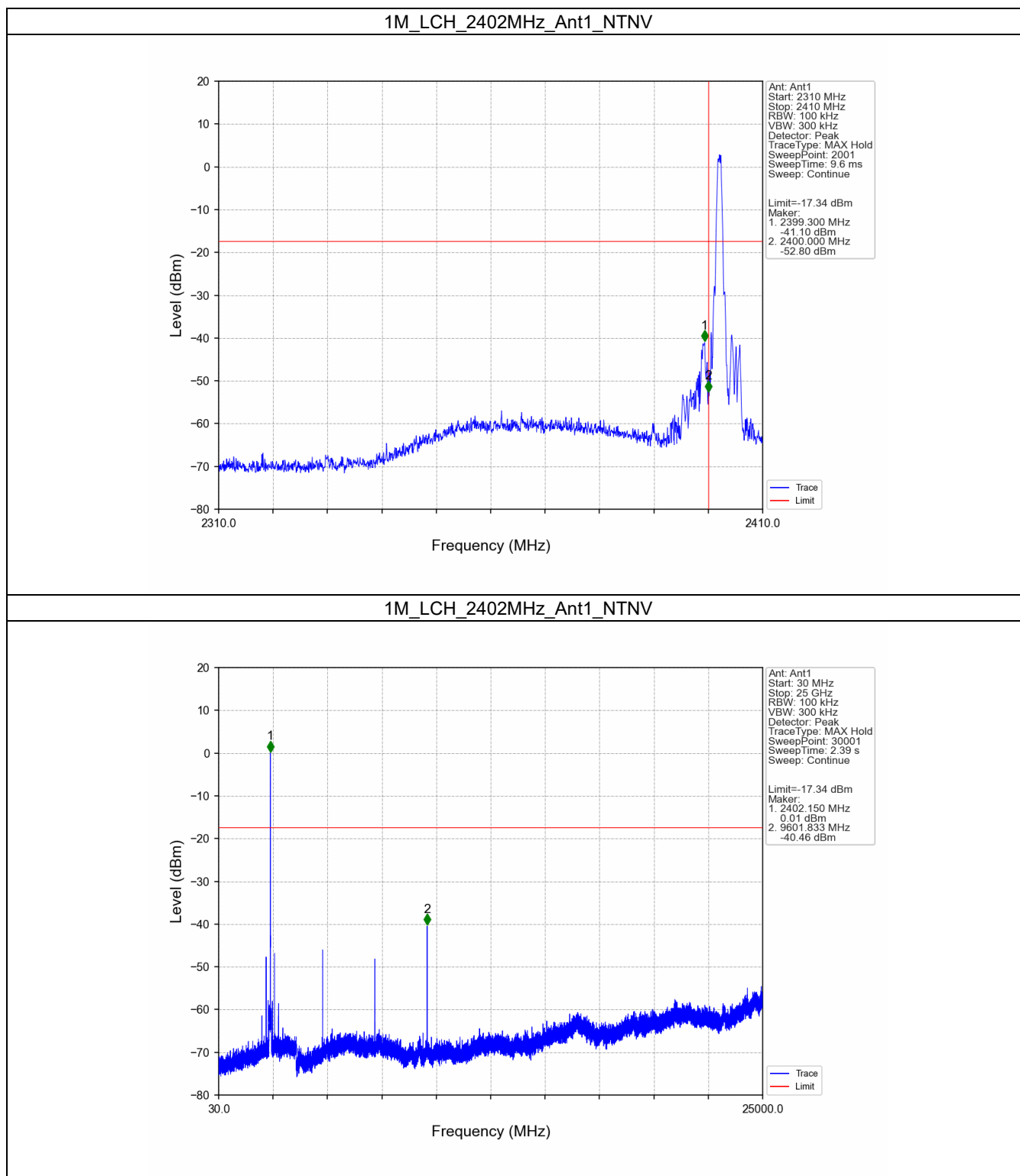
4.2.1 Ref



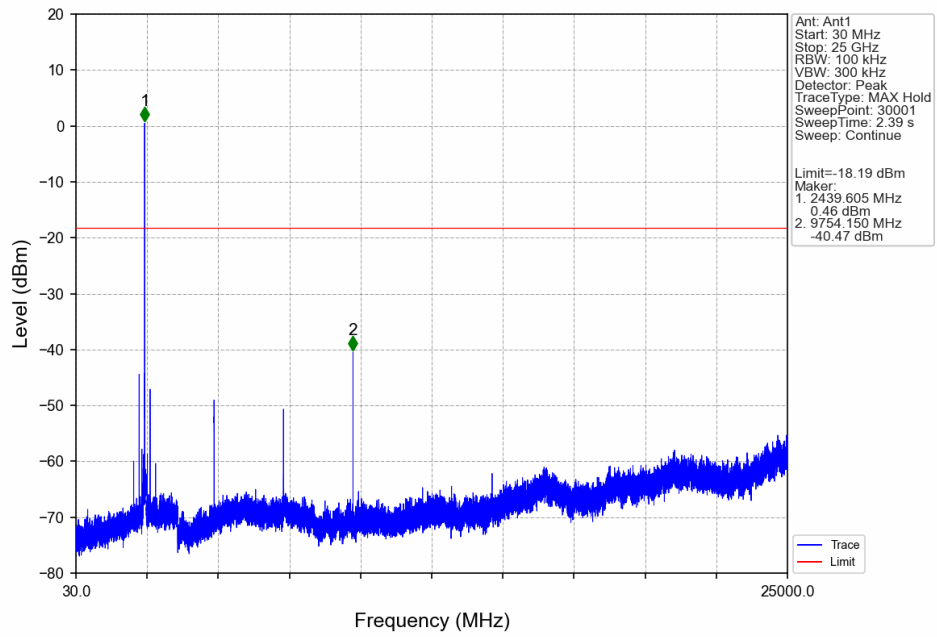
1M_HCH_2480MHz_Ant1_NTNV



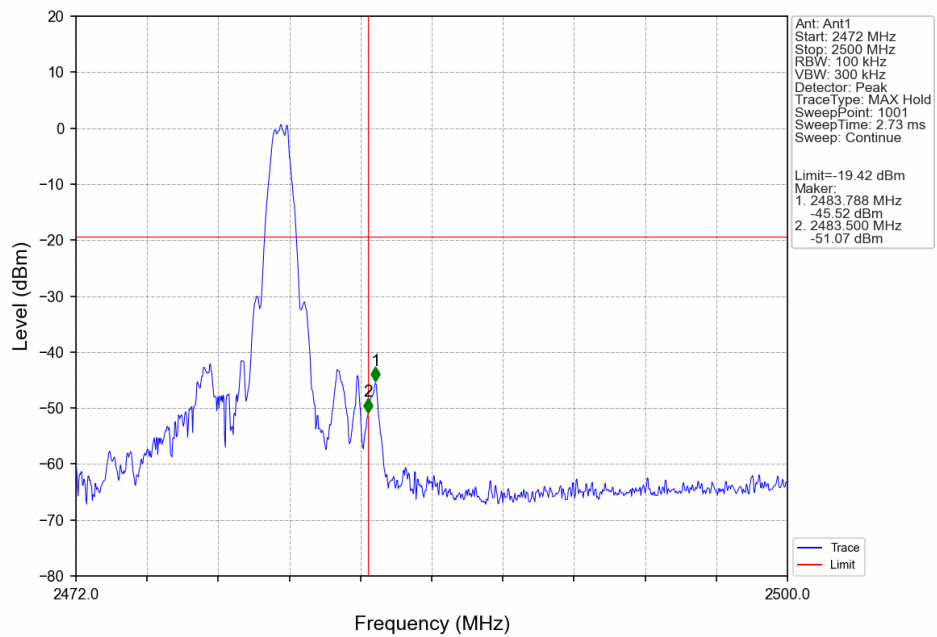
4.2.2 CSE



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

