

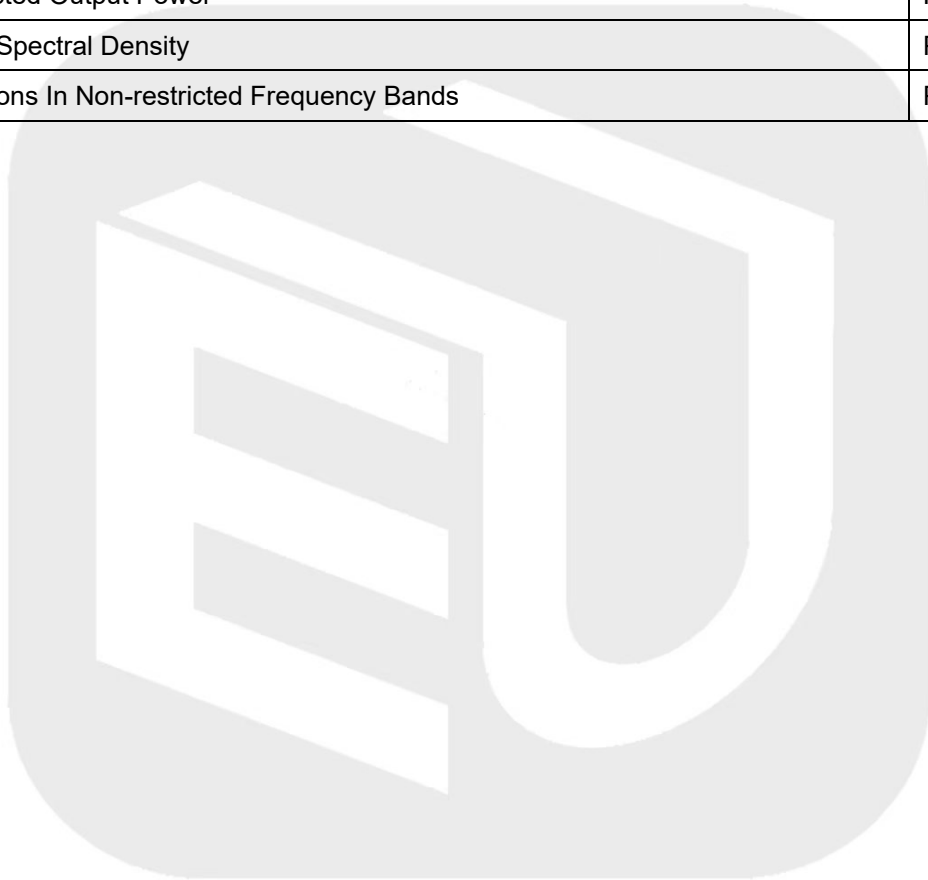
# ANNEX D TEST DATA

## For

Project No.:	8230EU011906W
Client:	Guangzhou MUNBYN Information Technology Co., Ltd.
Product Description:	Thermal Label Printer
Model No.:	FM226
FCC ID:	2BF4E-FM226
Technology:	Bluetooth BLE
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-07-19

## Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass



## 1. Duty Cycle

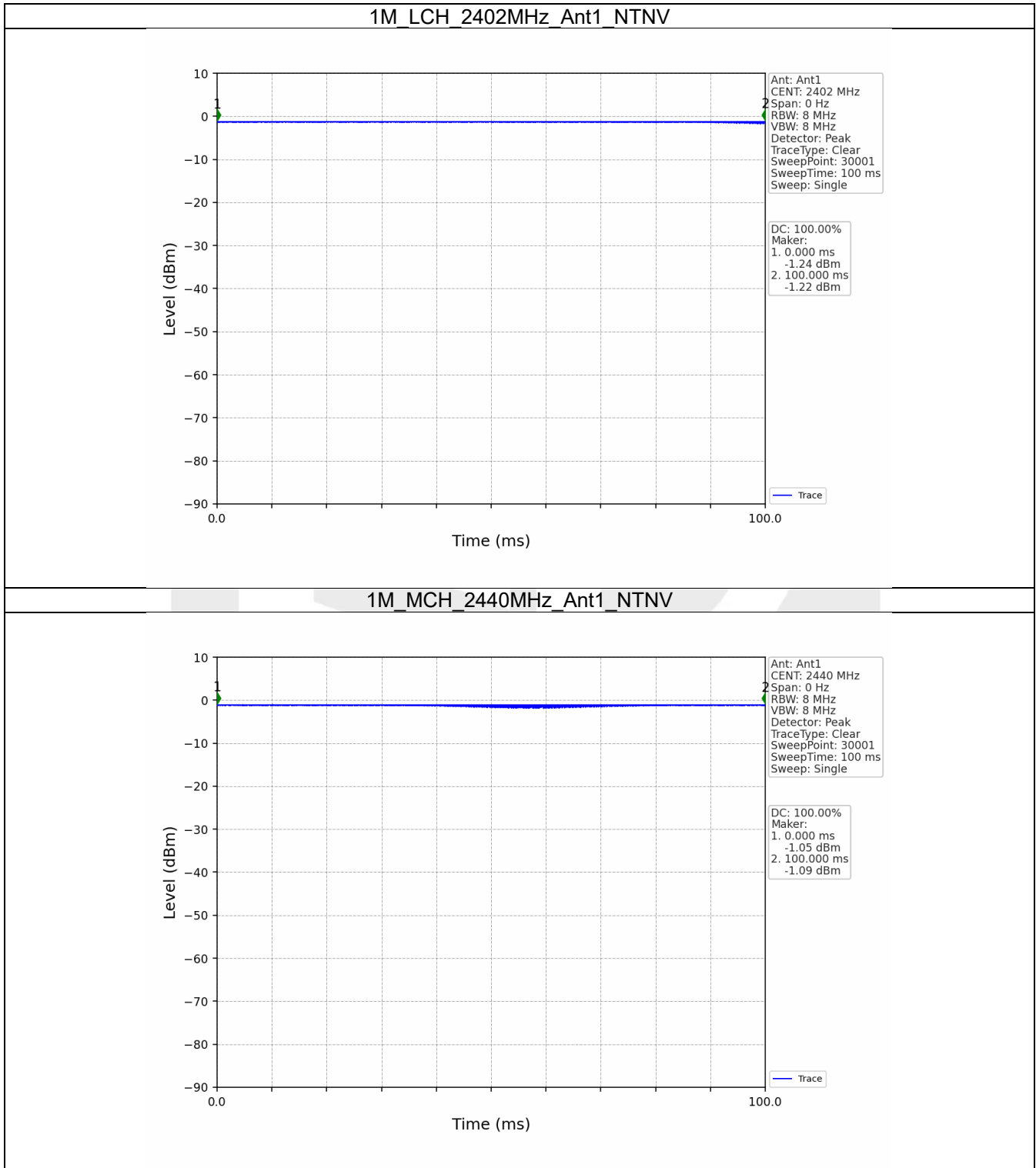
### 1.1 Test Result

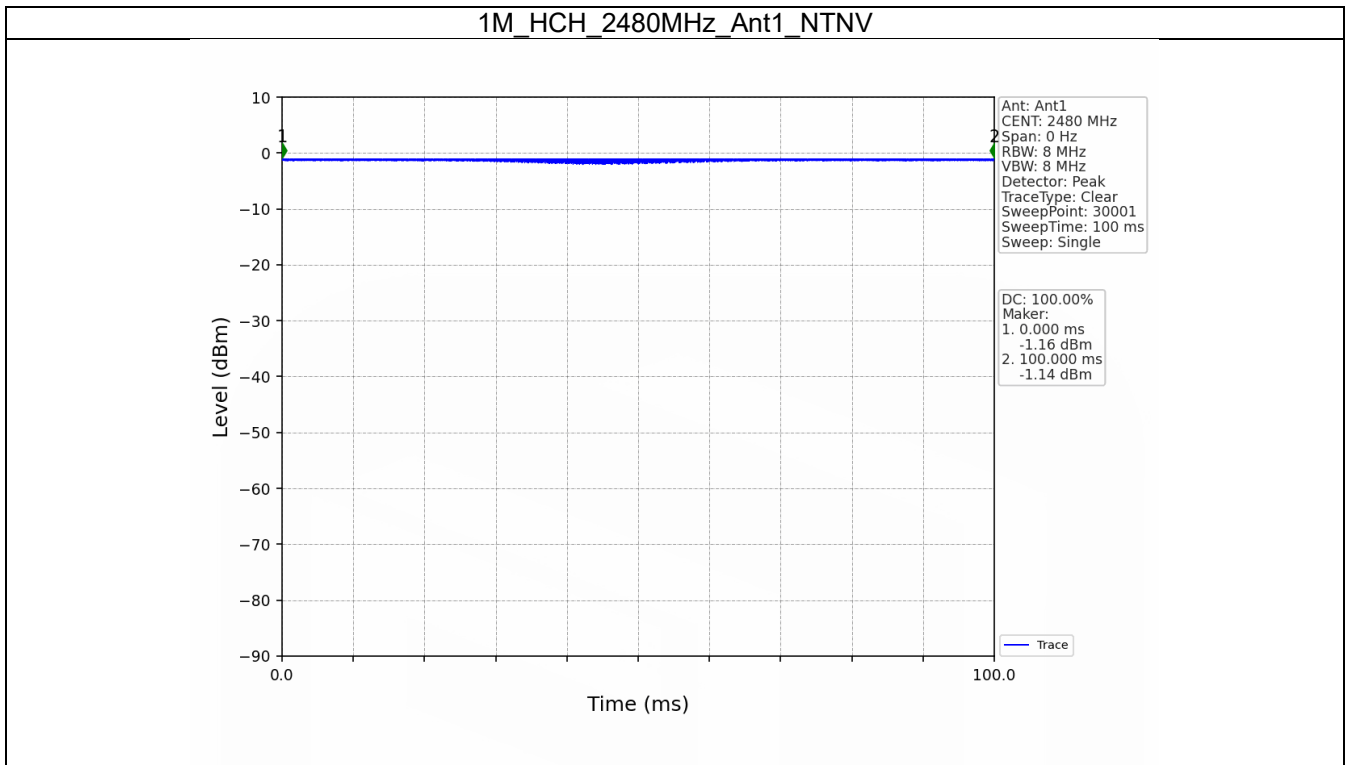
#### 1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00

## 1.2 Test Graph

### 1.2.1 Ant1





## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

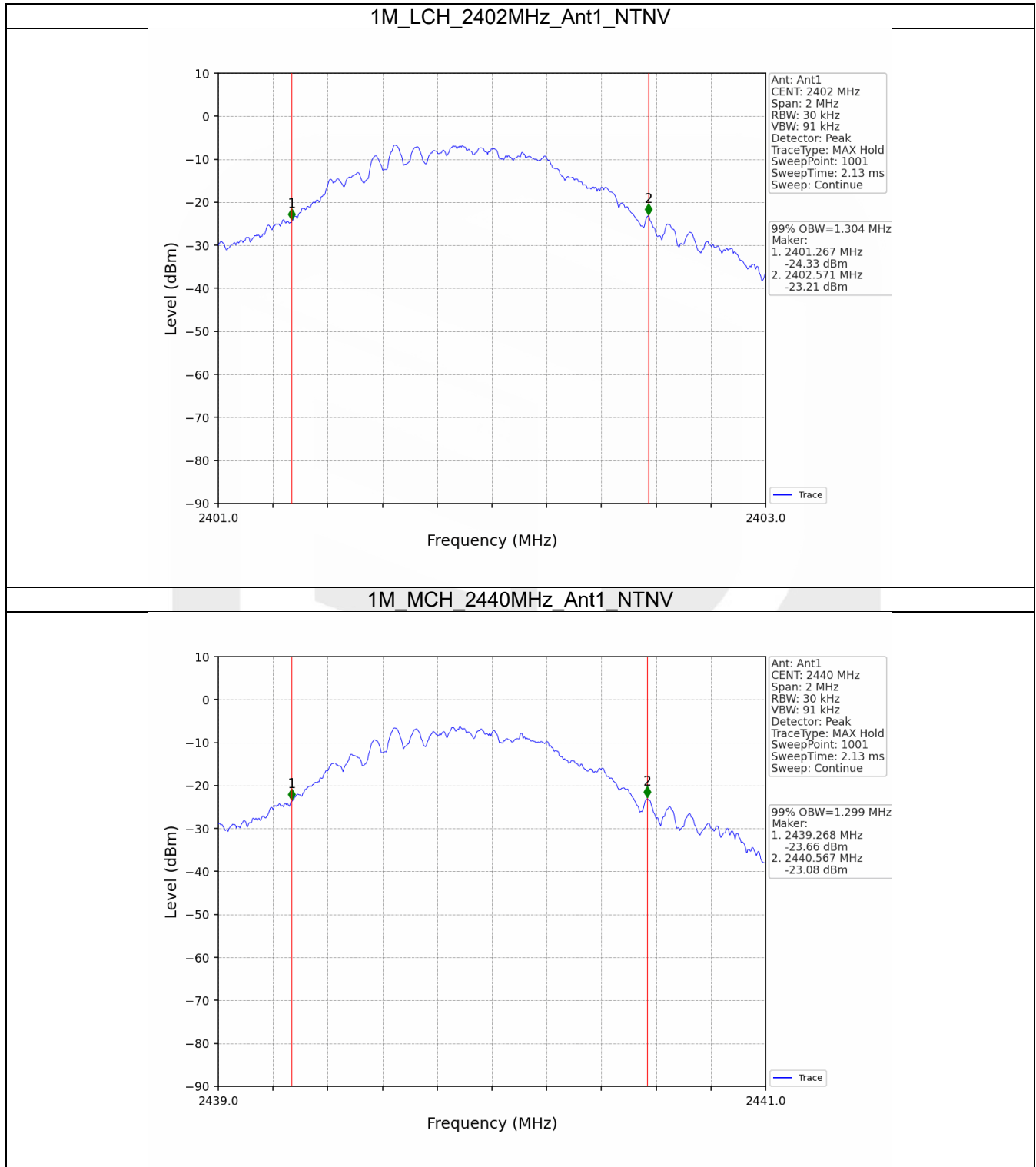
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.304	/	Pass
		2440	1	1.299	/	Pass
		2480	1	1.303	/	Pass

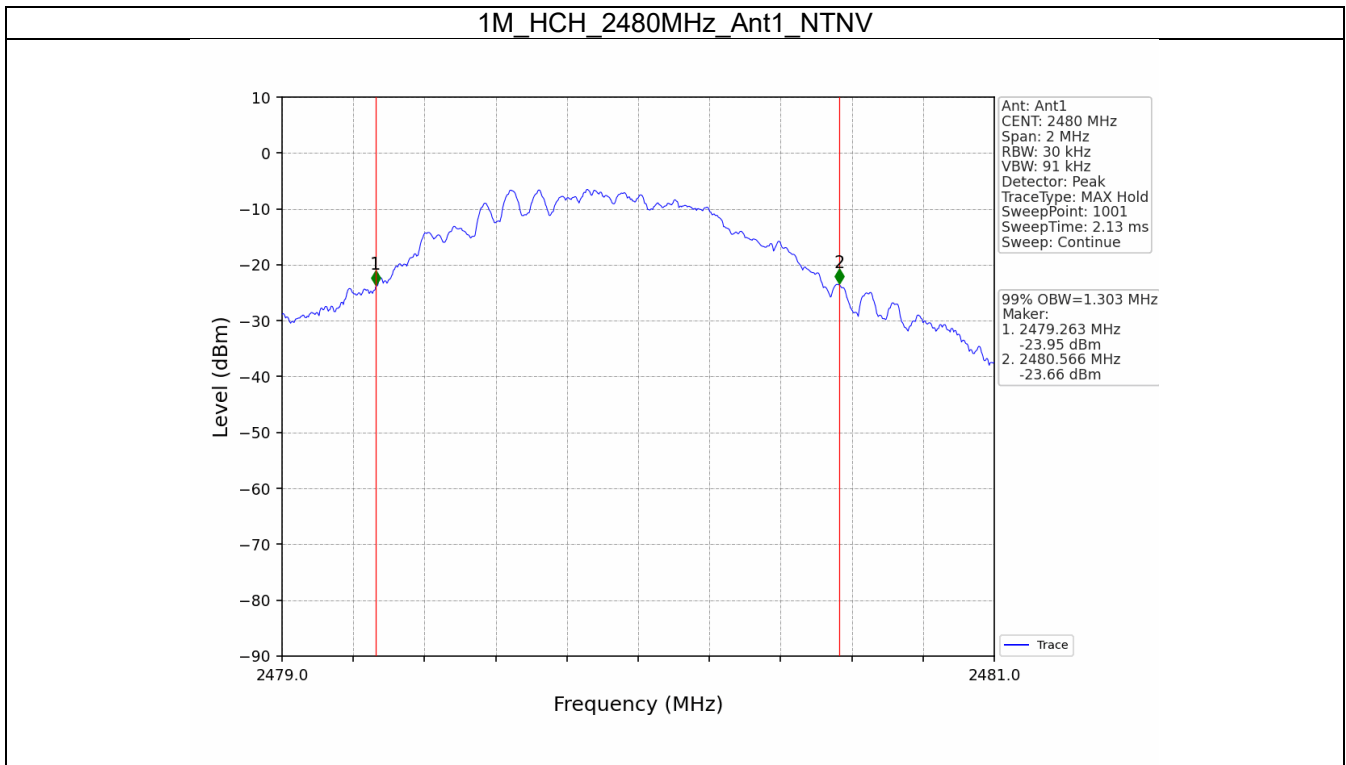
#### 2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.786	$\geq 0.5$	Pass
		2440	1	0.807	$\geq 0.5$	Pass
		2480	1	0.812	$\geq 0.5$	Pass

## 2.2 Test Graph

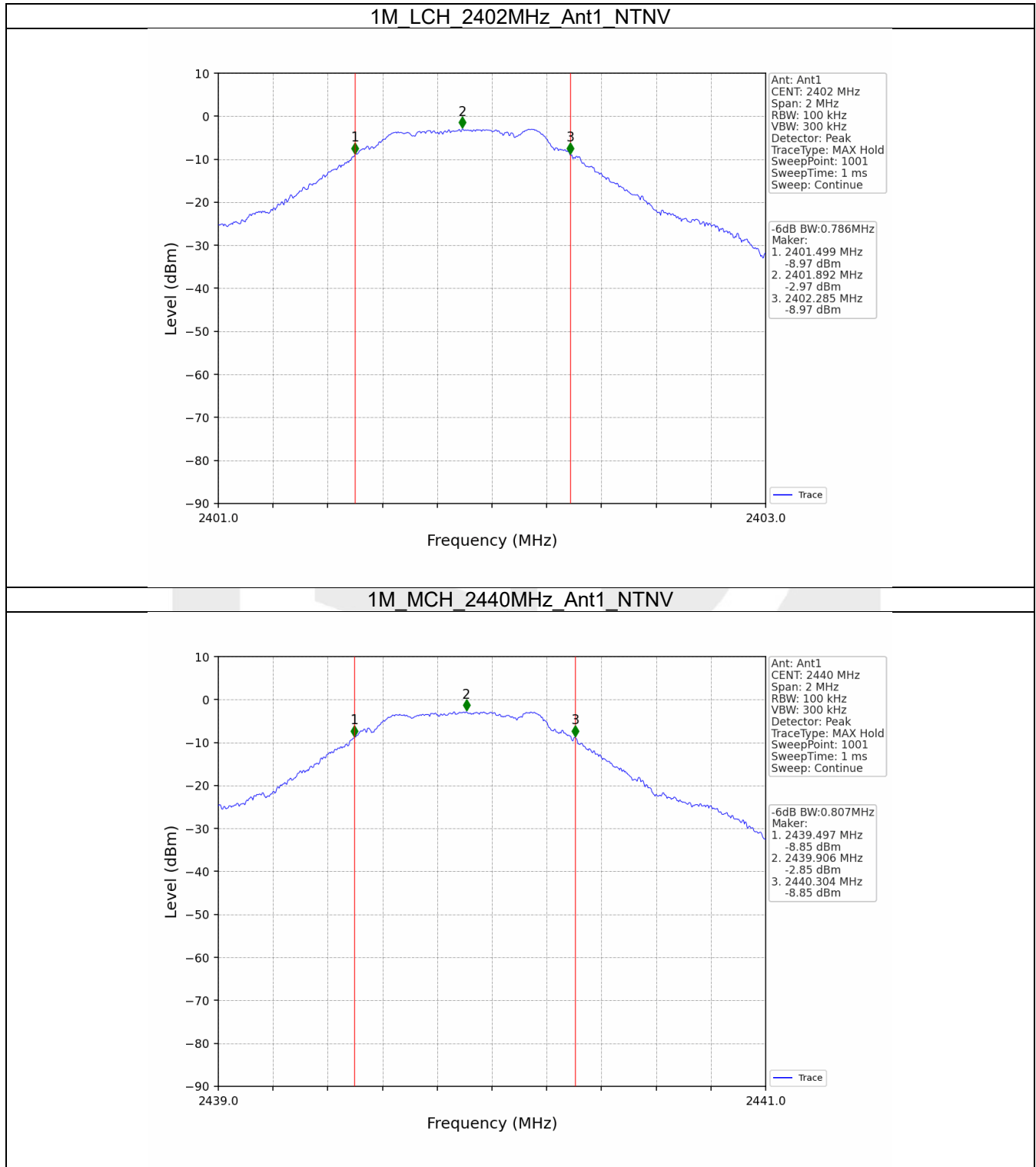
### 2.2.1 OBW

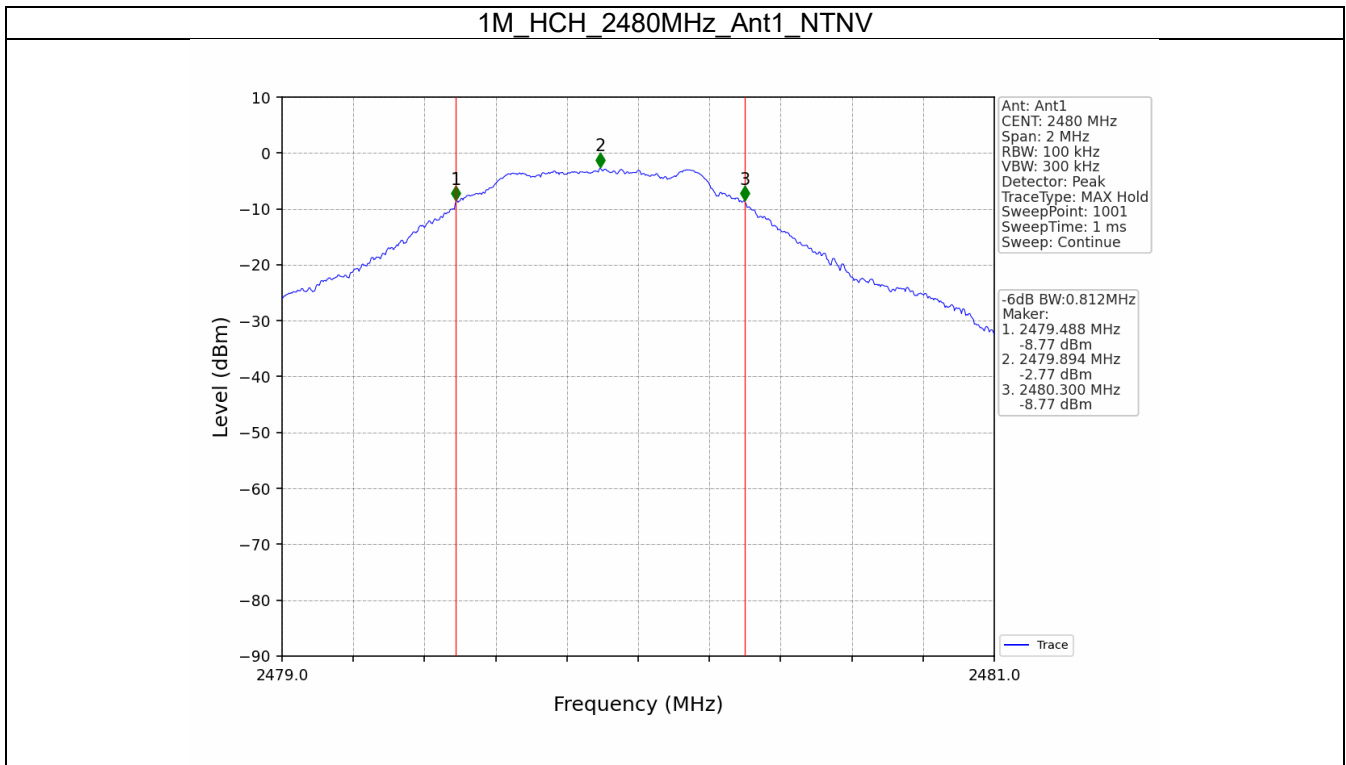






2.2.2 6dB BW





### 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	-1.35	<=30	Pass
		2440	-1.16	<=30	Pass
		2480	-1.28	<=30	Pass

#### 4. Maximum Power Spectral Density

##### 4.1 Test Result

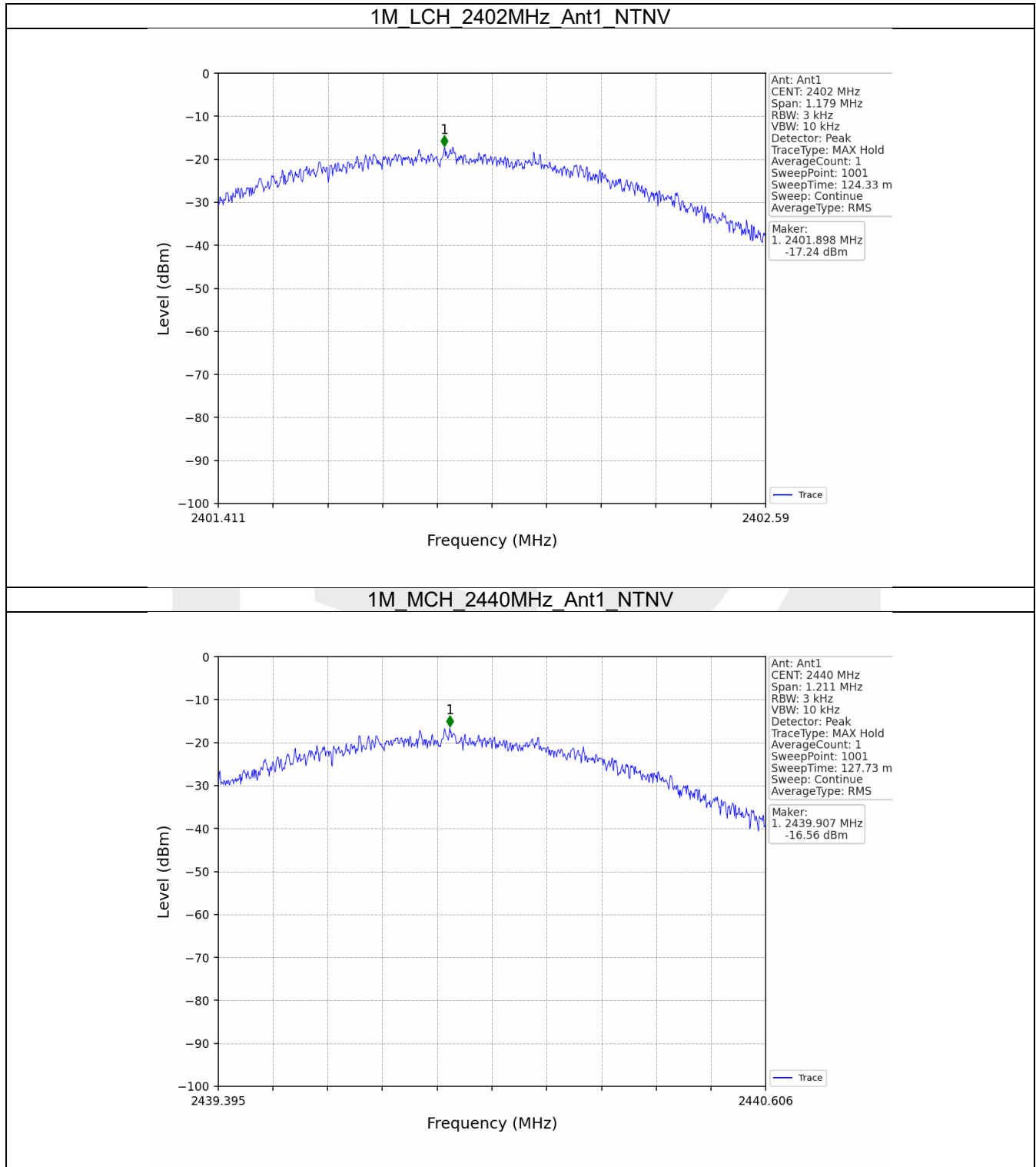
##### 4.1.1 PSD

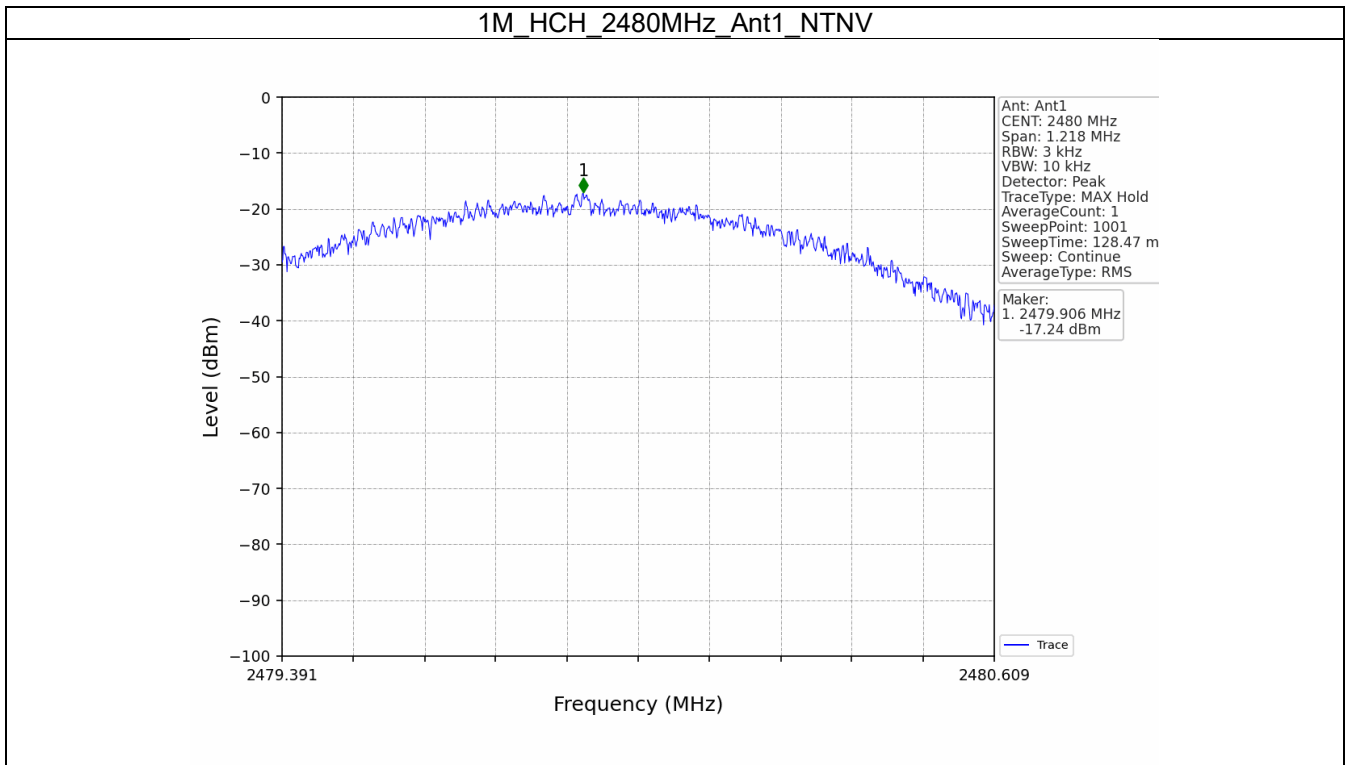
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.24	<=8	Pass
		2440	-16.56	<=8	Pass
		2480	-17.24	<=8	Pass



## 4.2 Test Graph

### 4.2.1 PSD





## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Test Result

#### 5.1.1 Ref

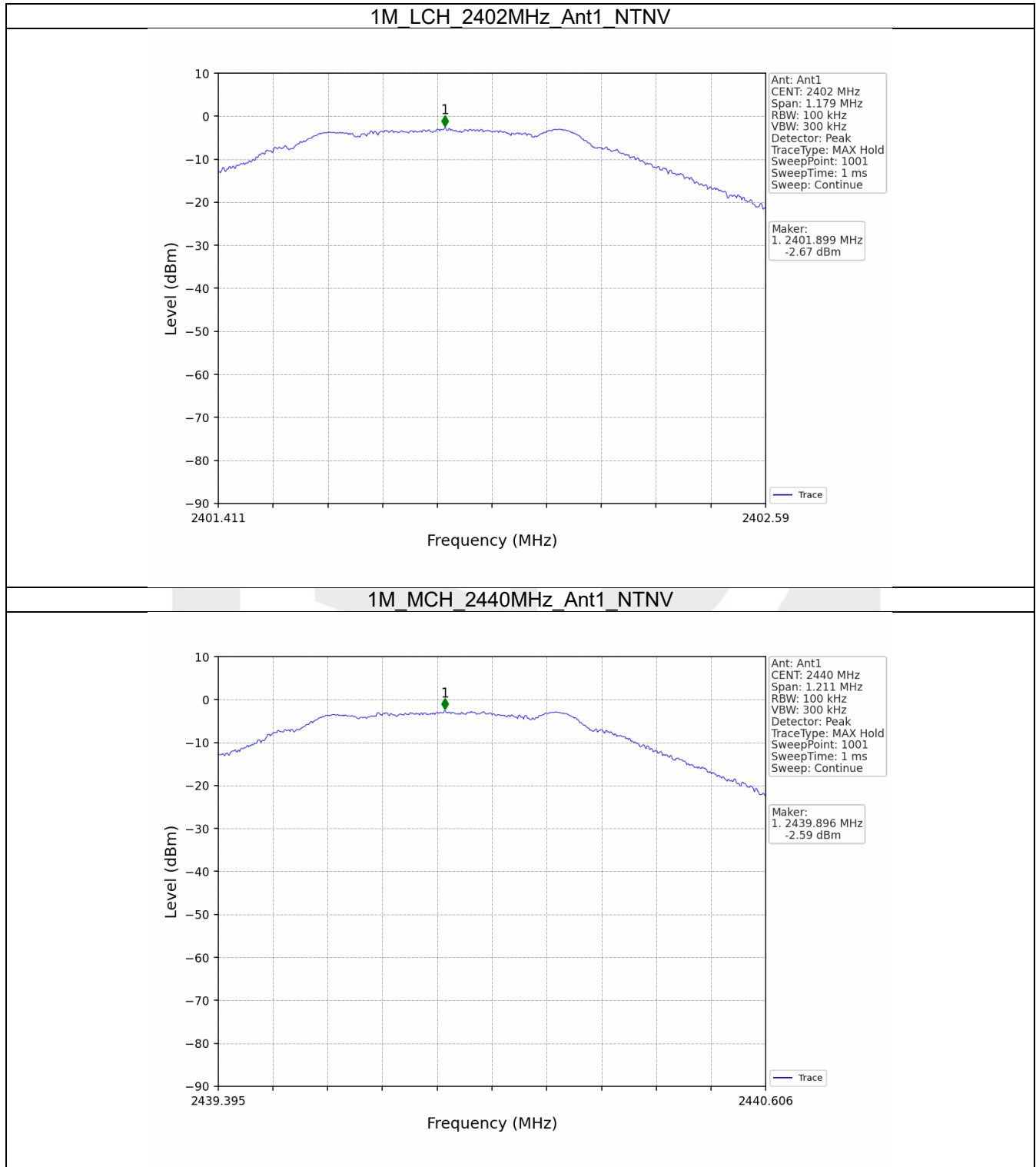
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-2.67
		2440	1	-2.59
		2480	1	-2.86
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

#### 5.1.2 CSE

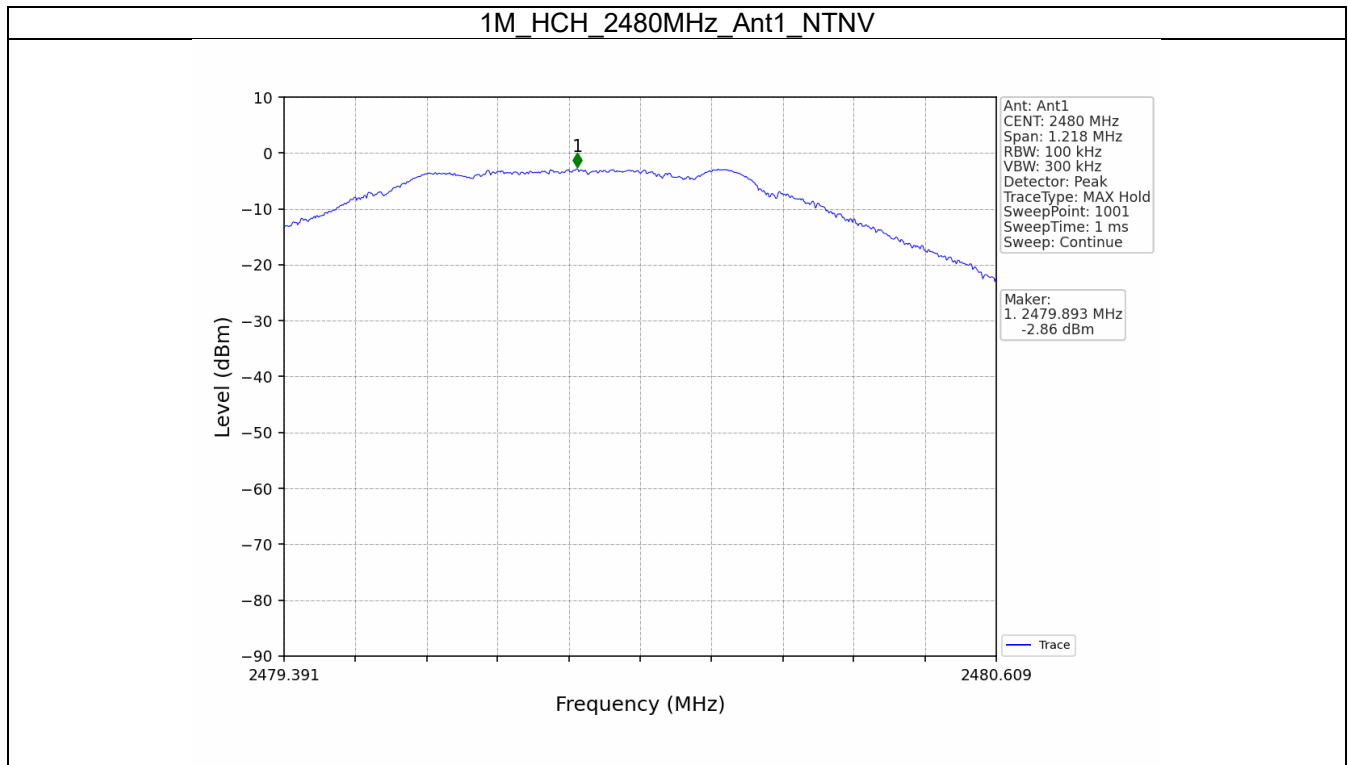
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.67	-22.67	Pass
		2440	1	-2.59	-22.59	Pass
		2480	1	-2.86	-22.86	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

## 5.2 Test Graph

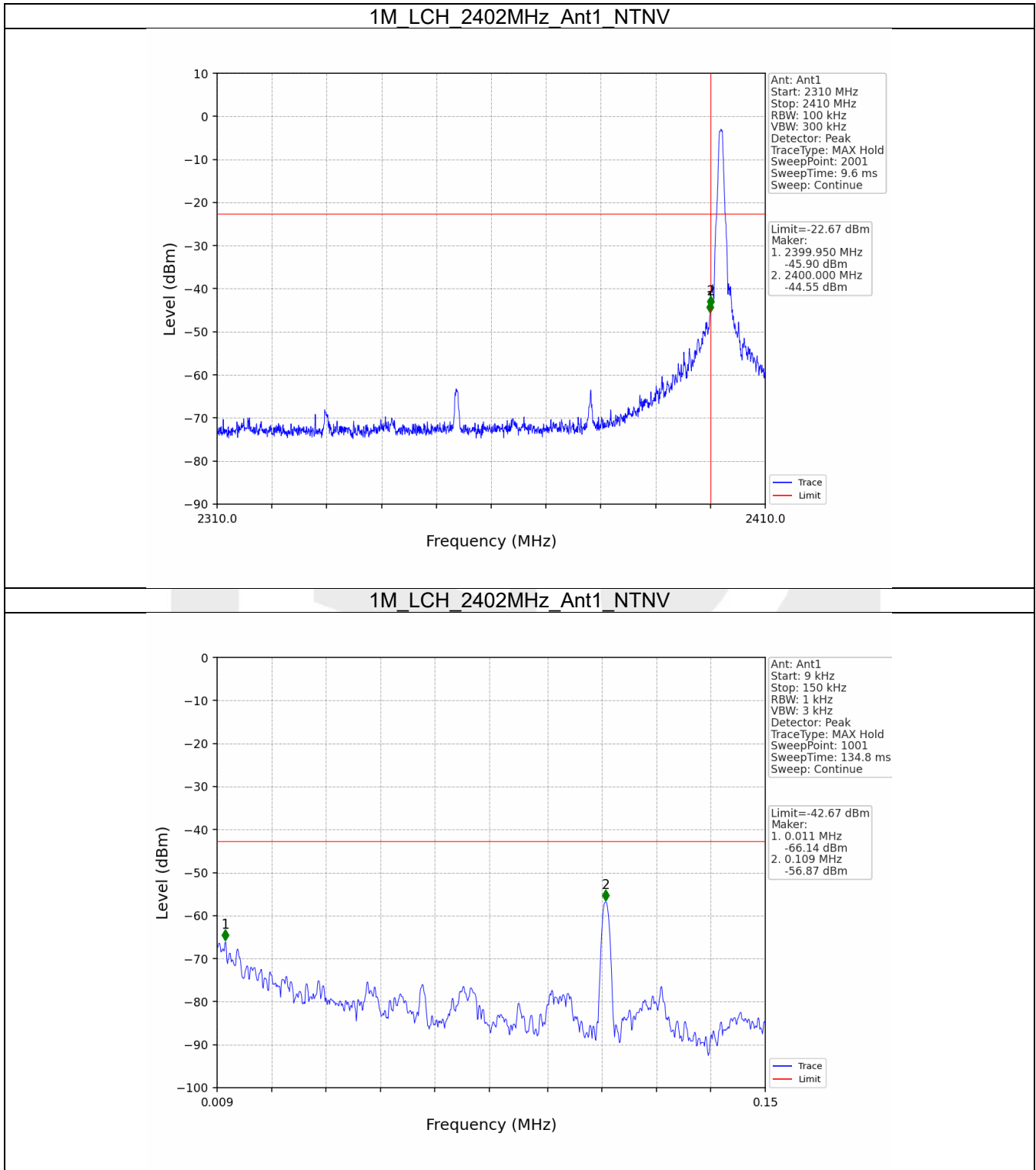
### 5.2.1 Ref

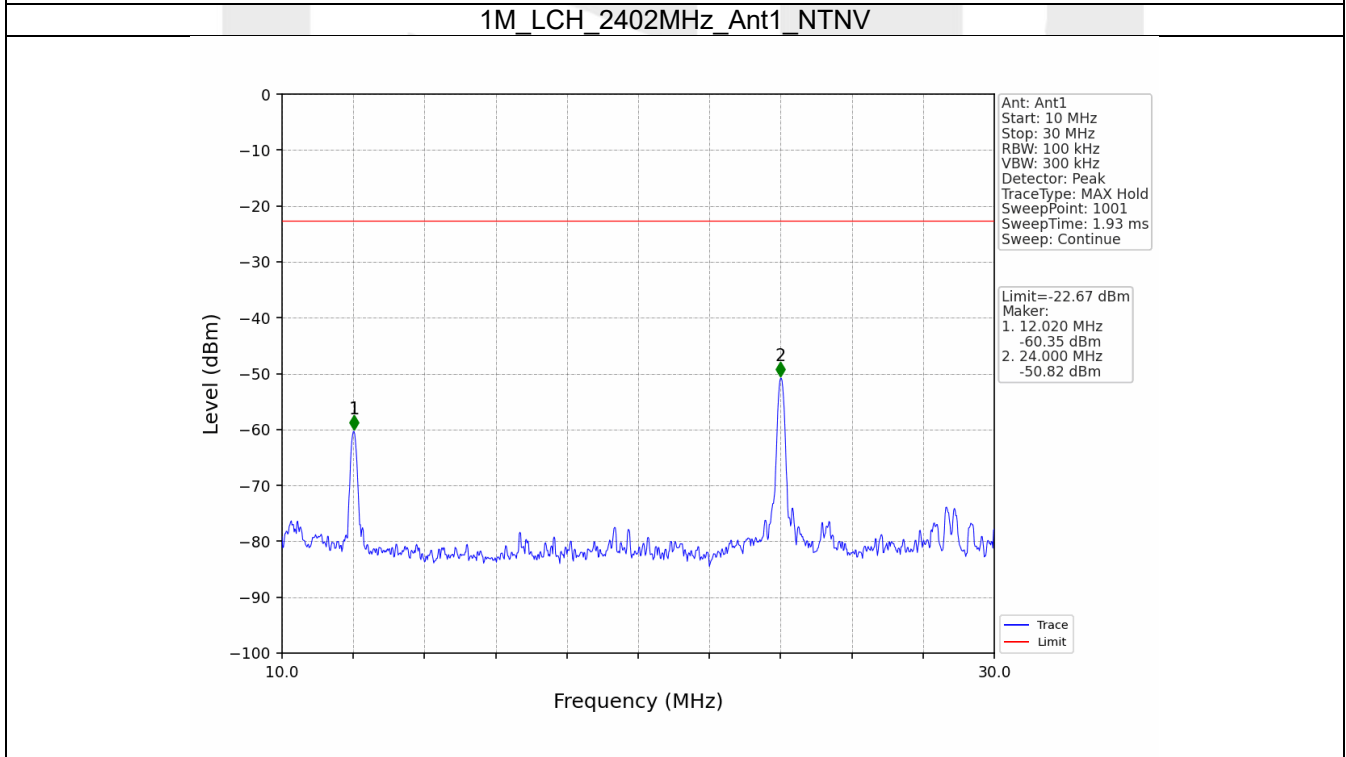
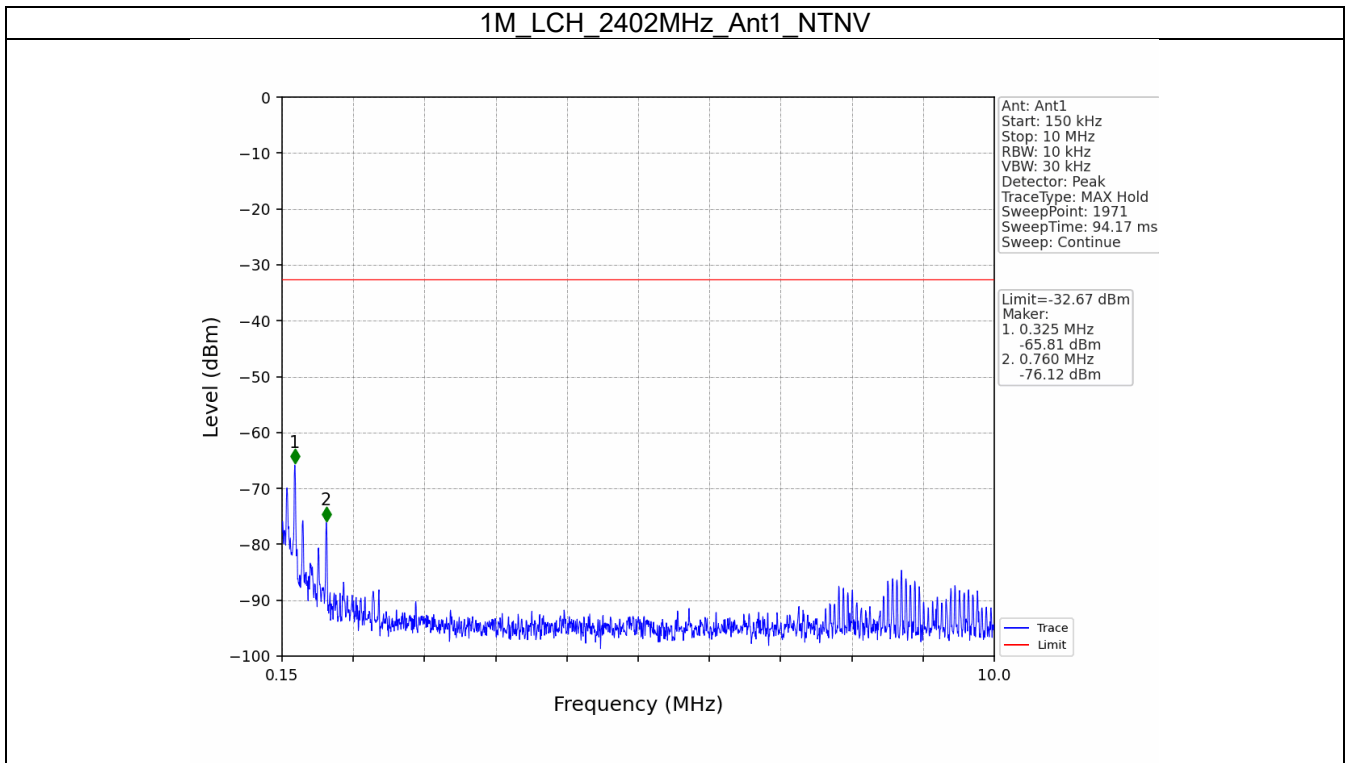


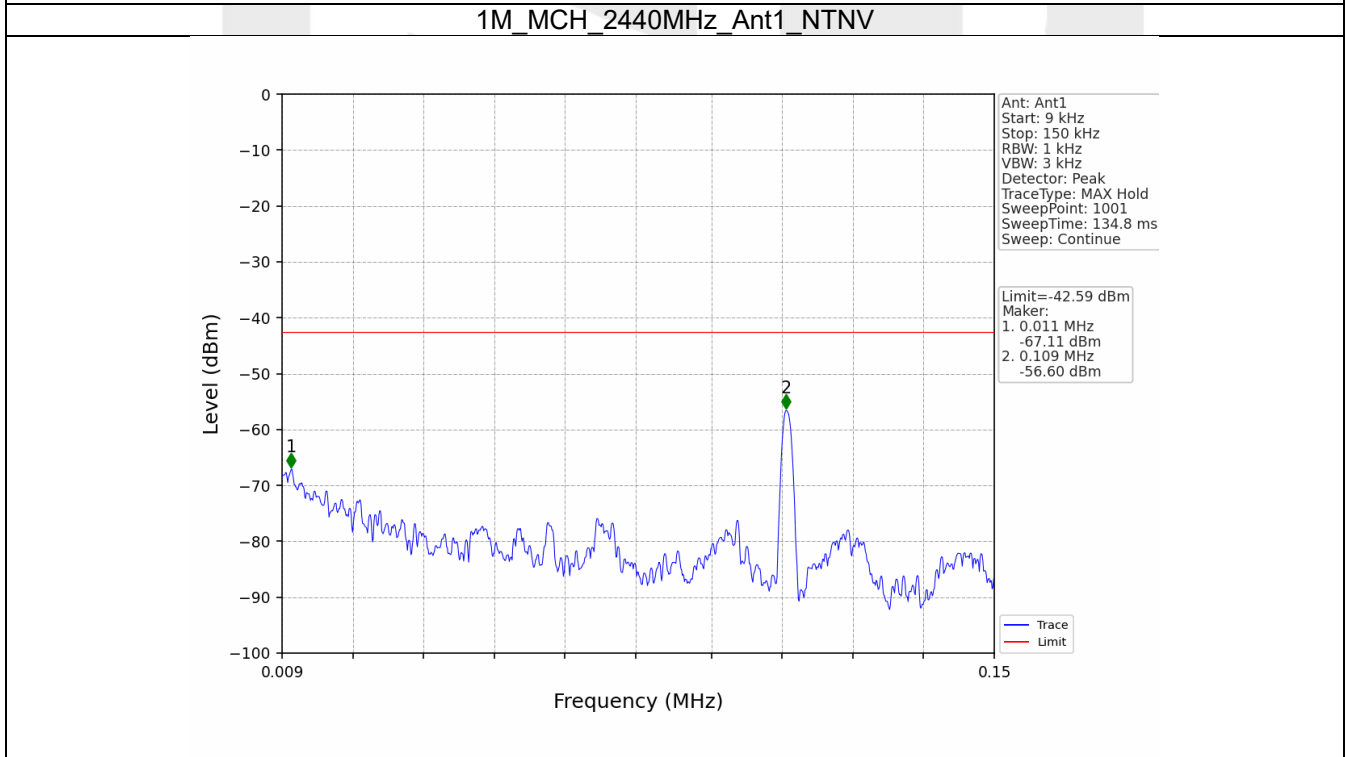
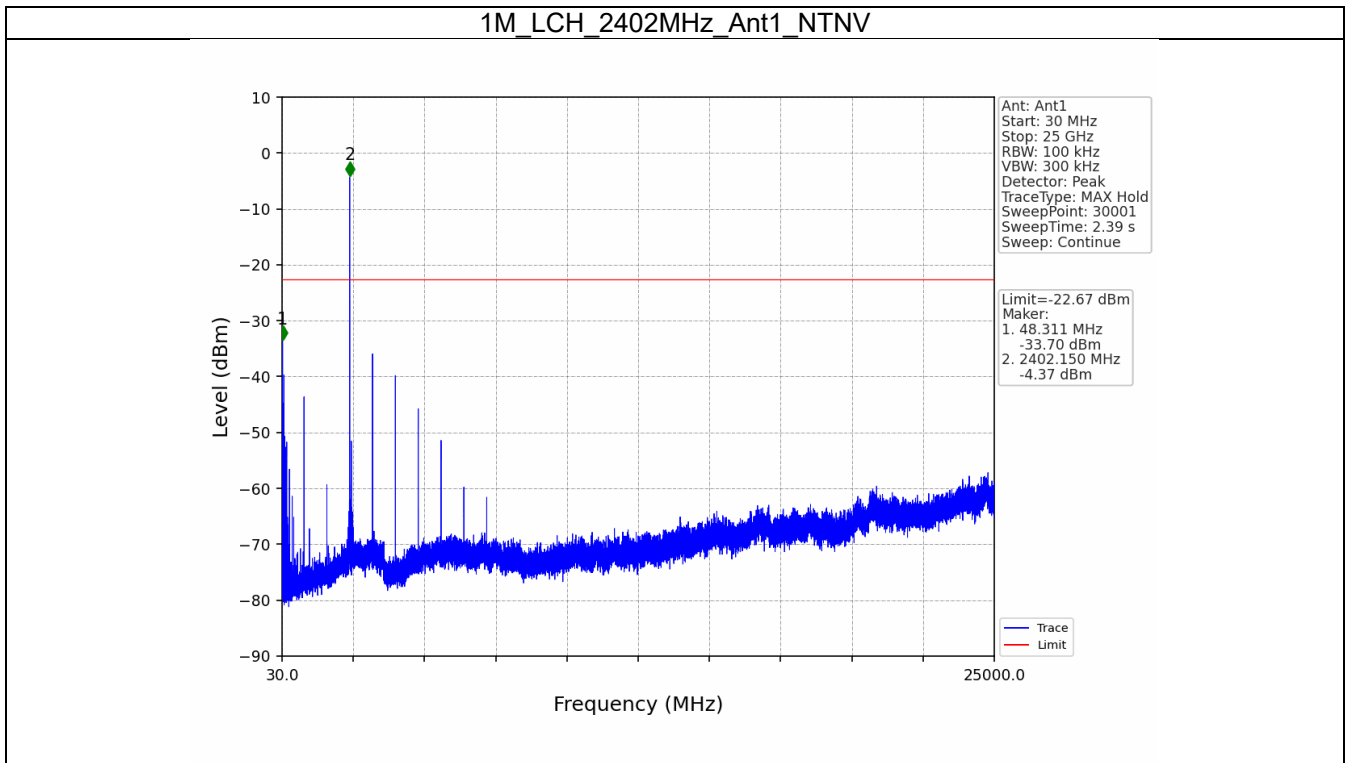


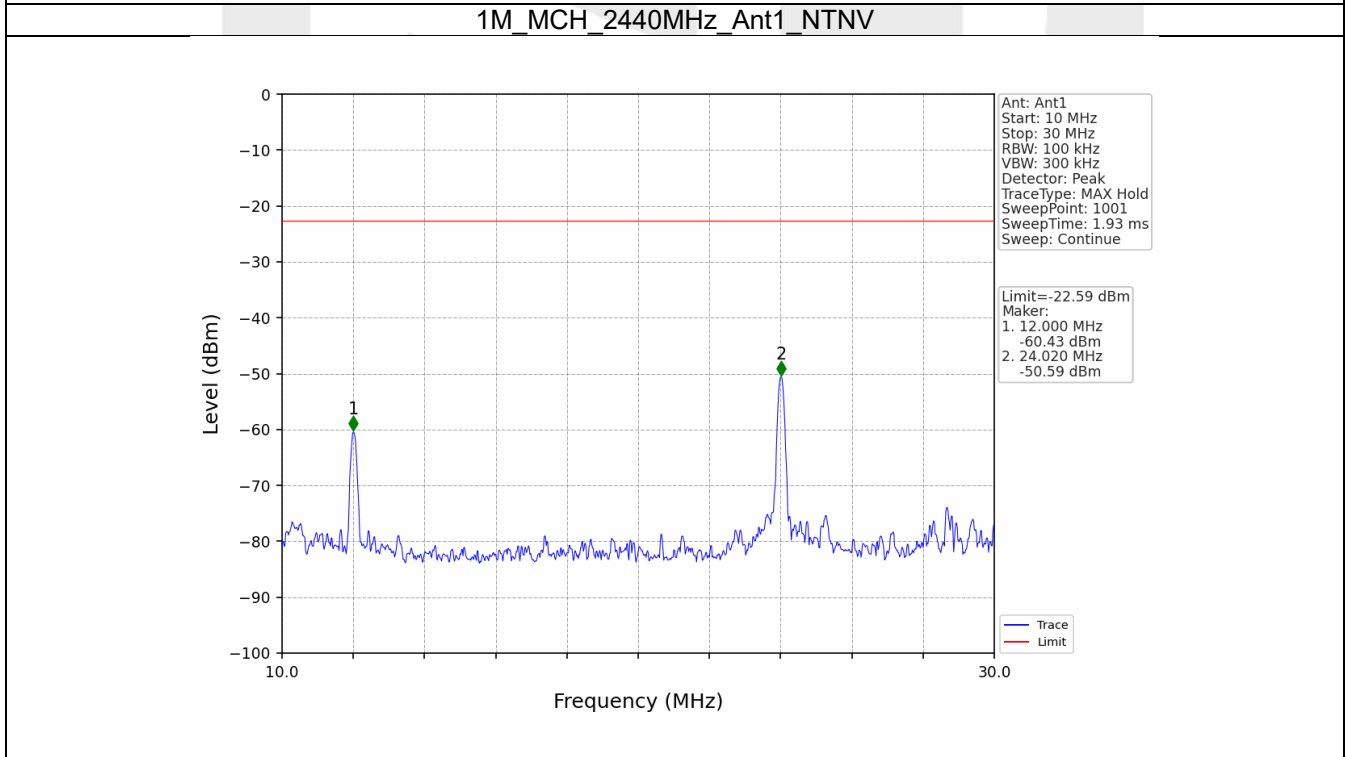
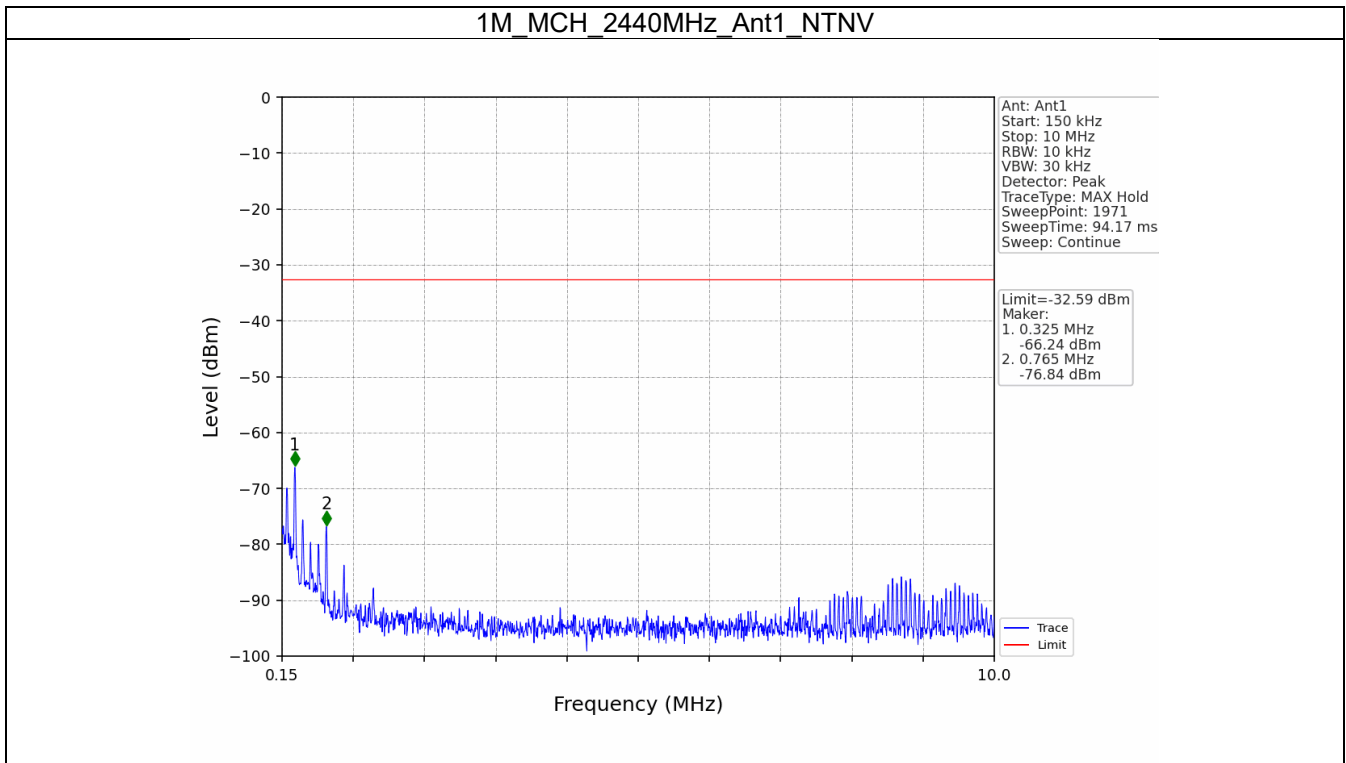


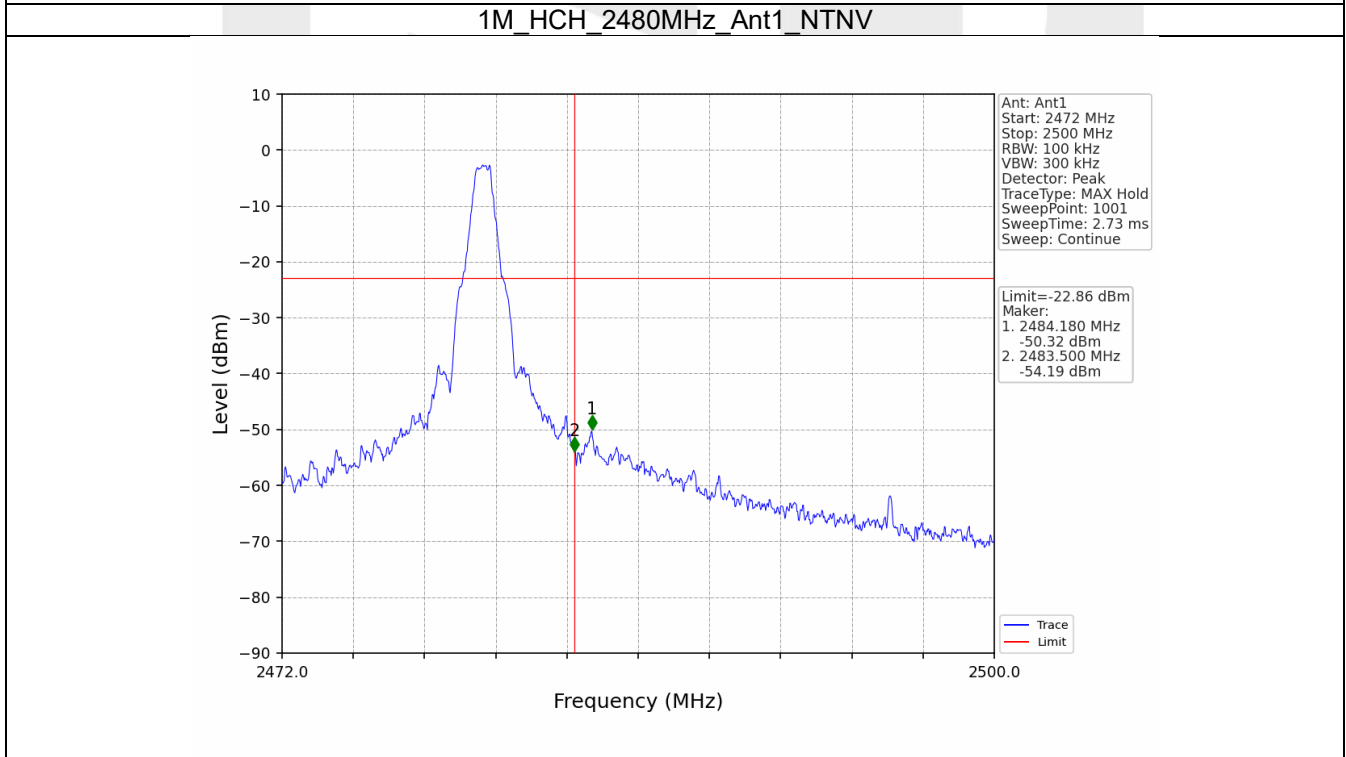
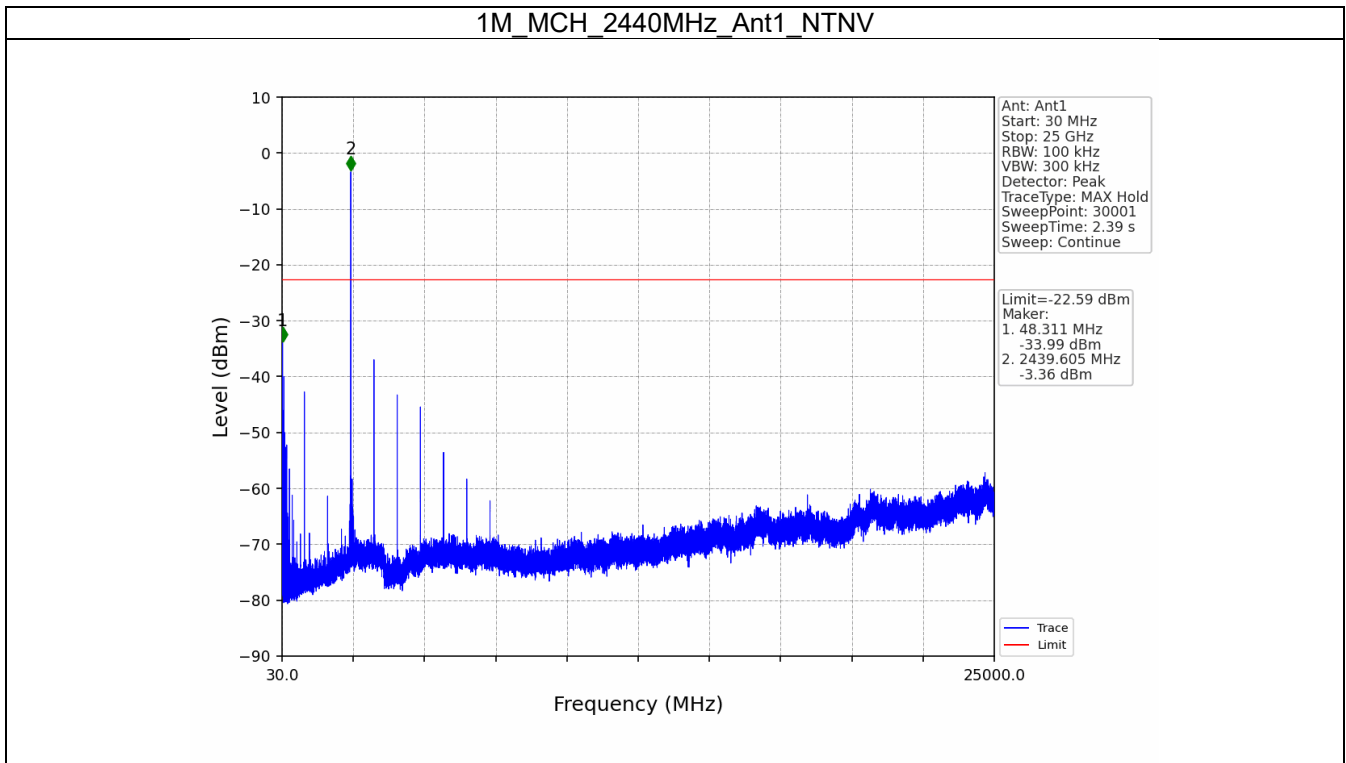
5.2.2 CSE

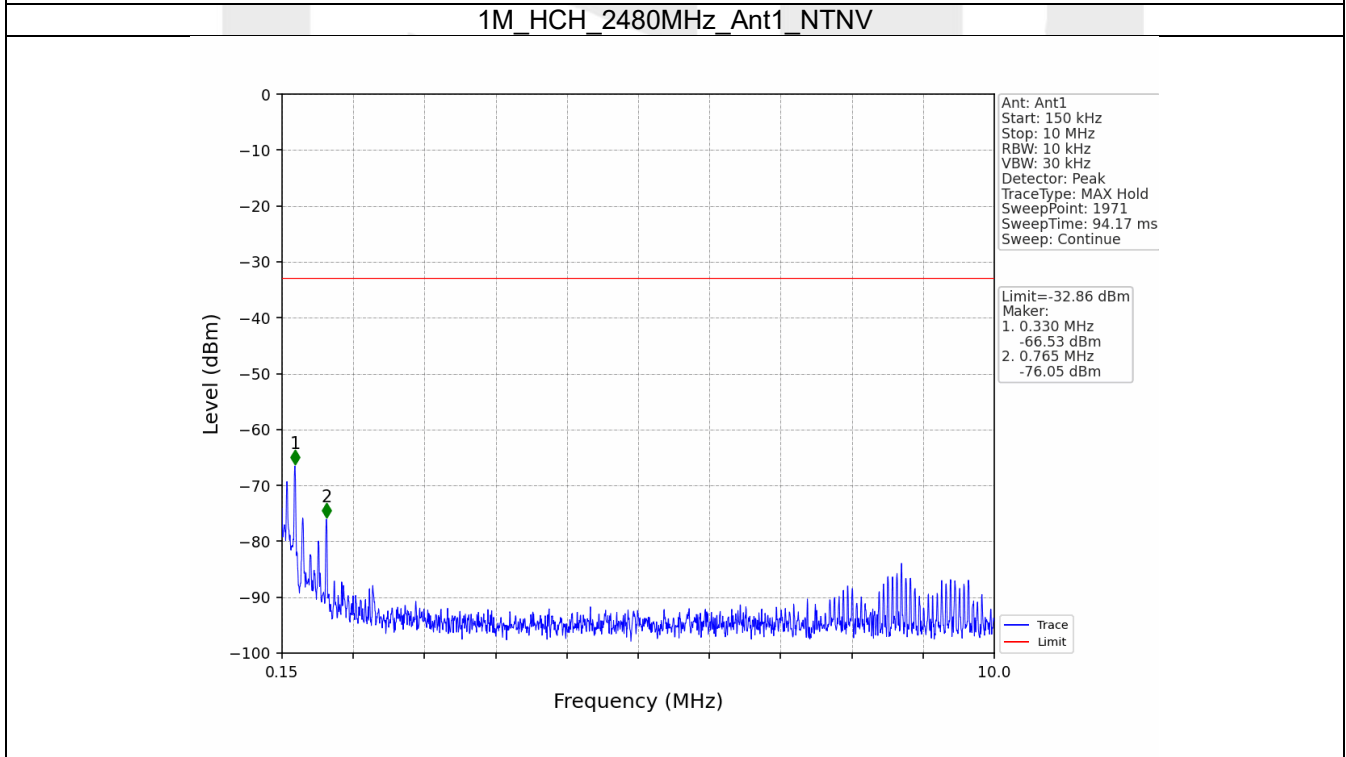
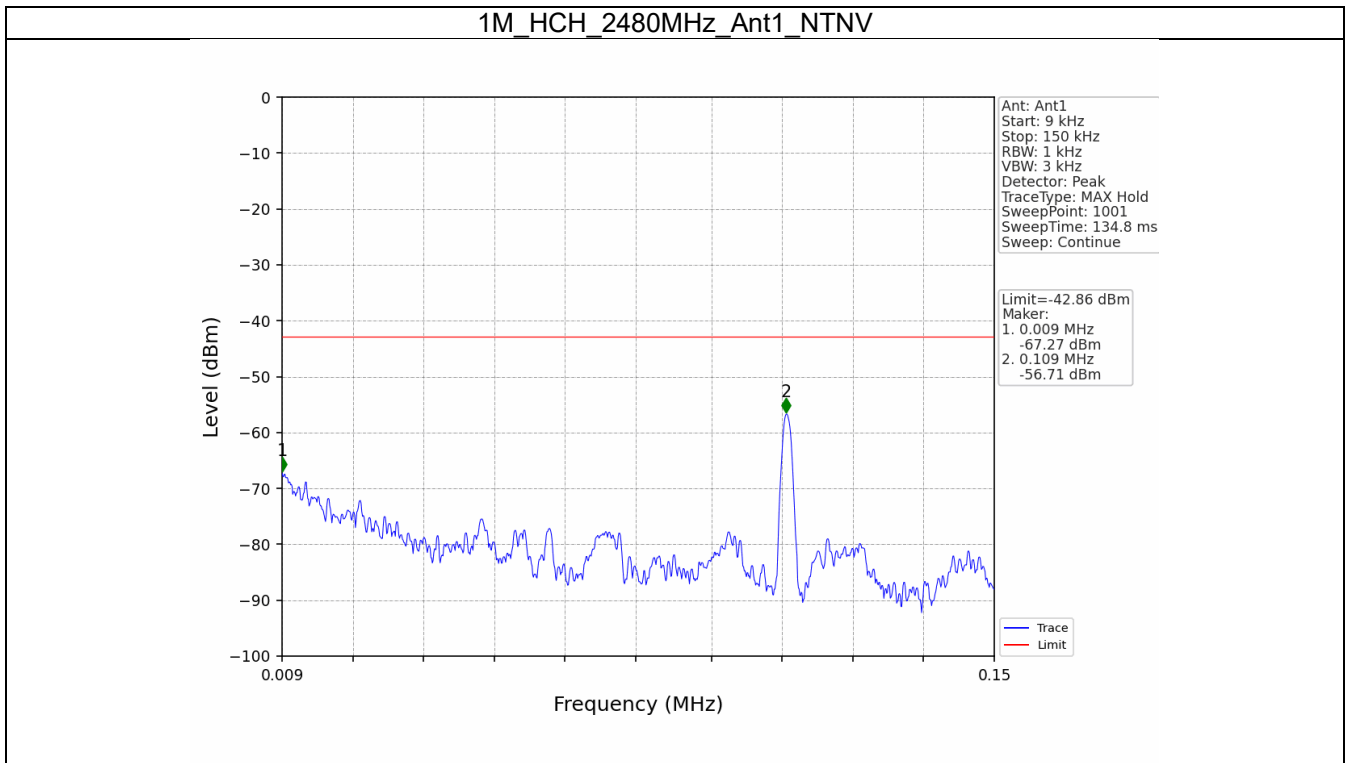


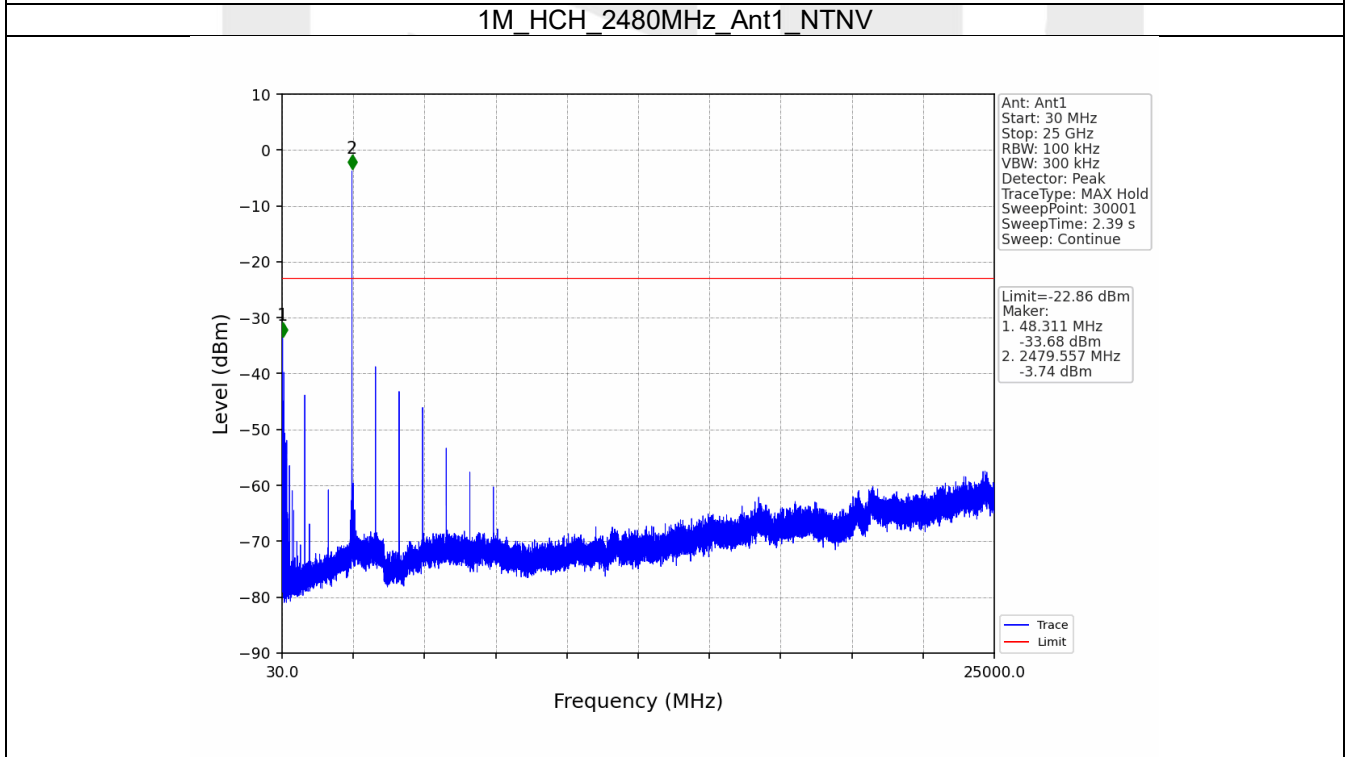
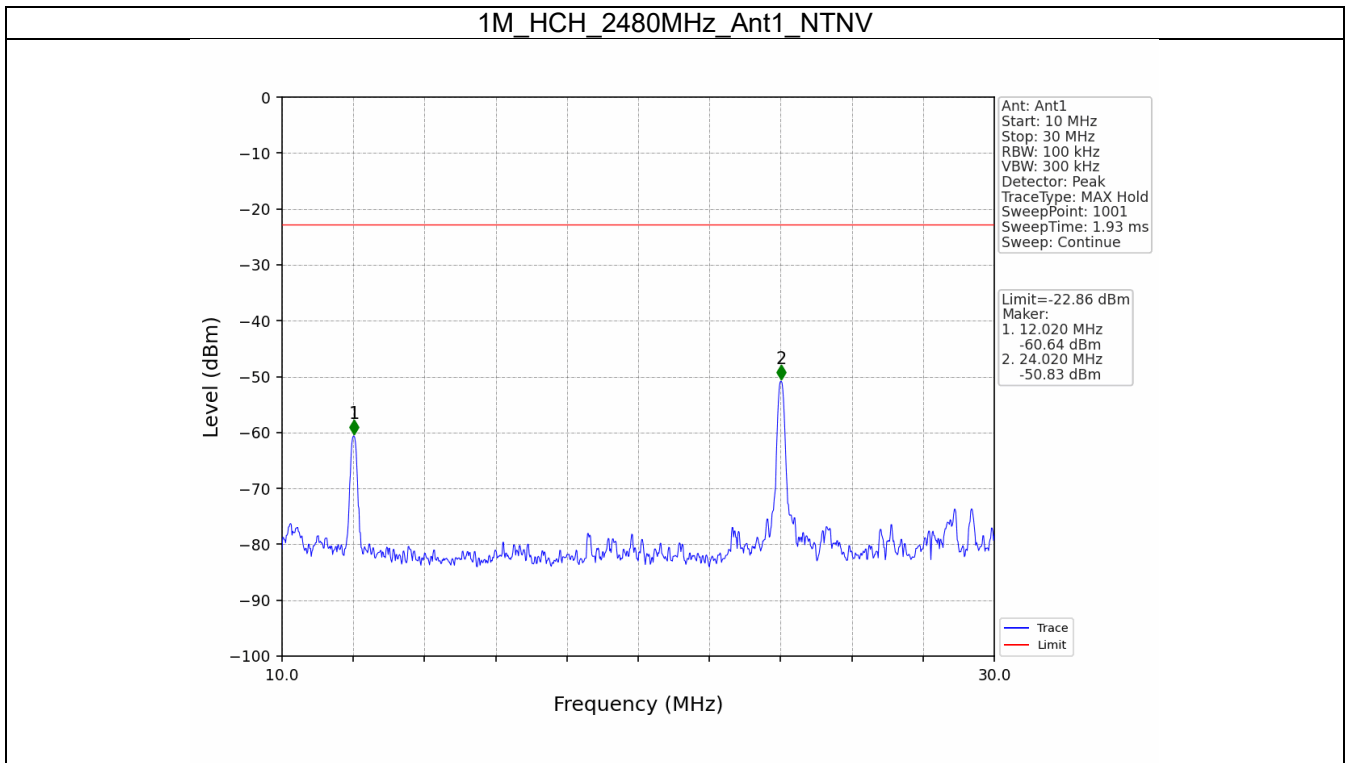












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