

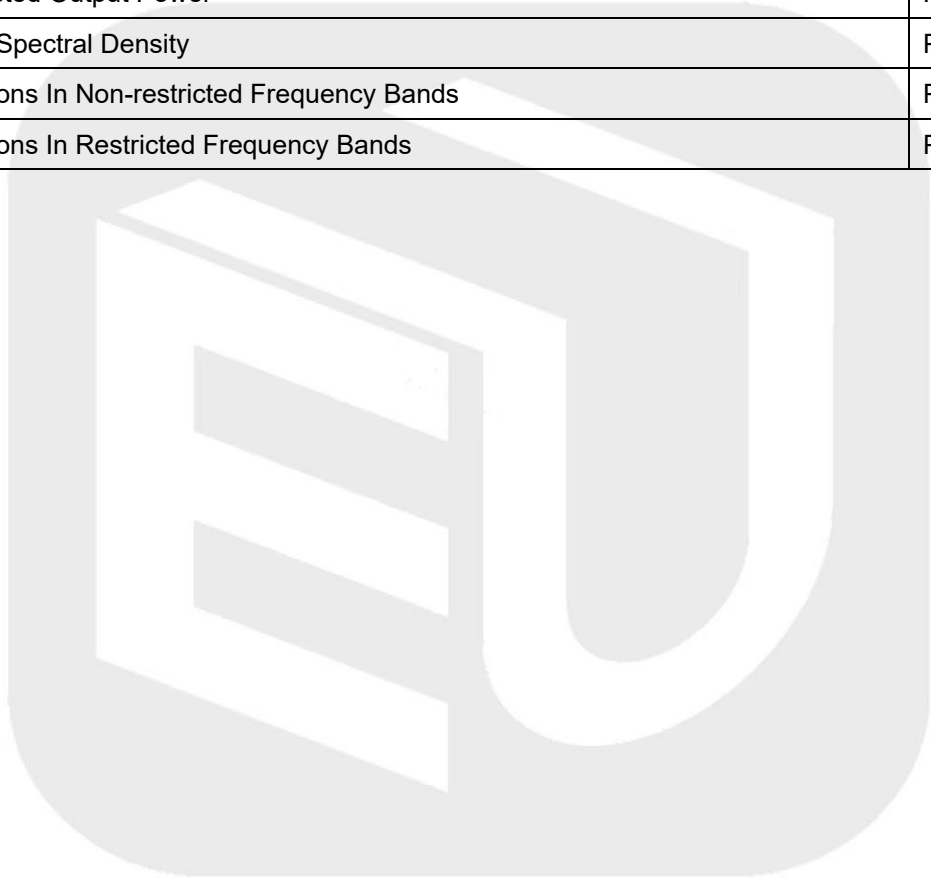
# ANNEX D TEST DATA

## For

Project No.:	8227EU011102W
Client:	Shenzhen Qianyan Technology LTD
Product Name:	Govee Neon Rope Light for Wall Lining
Model No.:	H6640
FCC ID:	2A7VD-H6641
Technology:	Bluetooth BLE
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-03-21

## 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
Unwanted Emissions In Restricted Frequency Bands	Pass



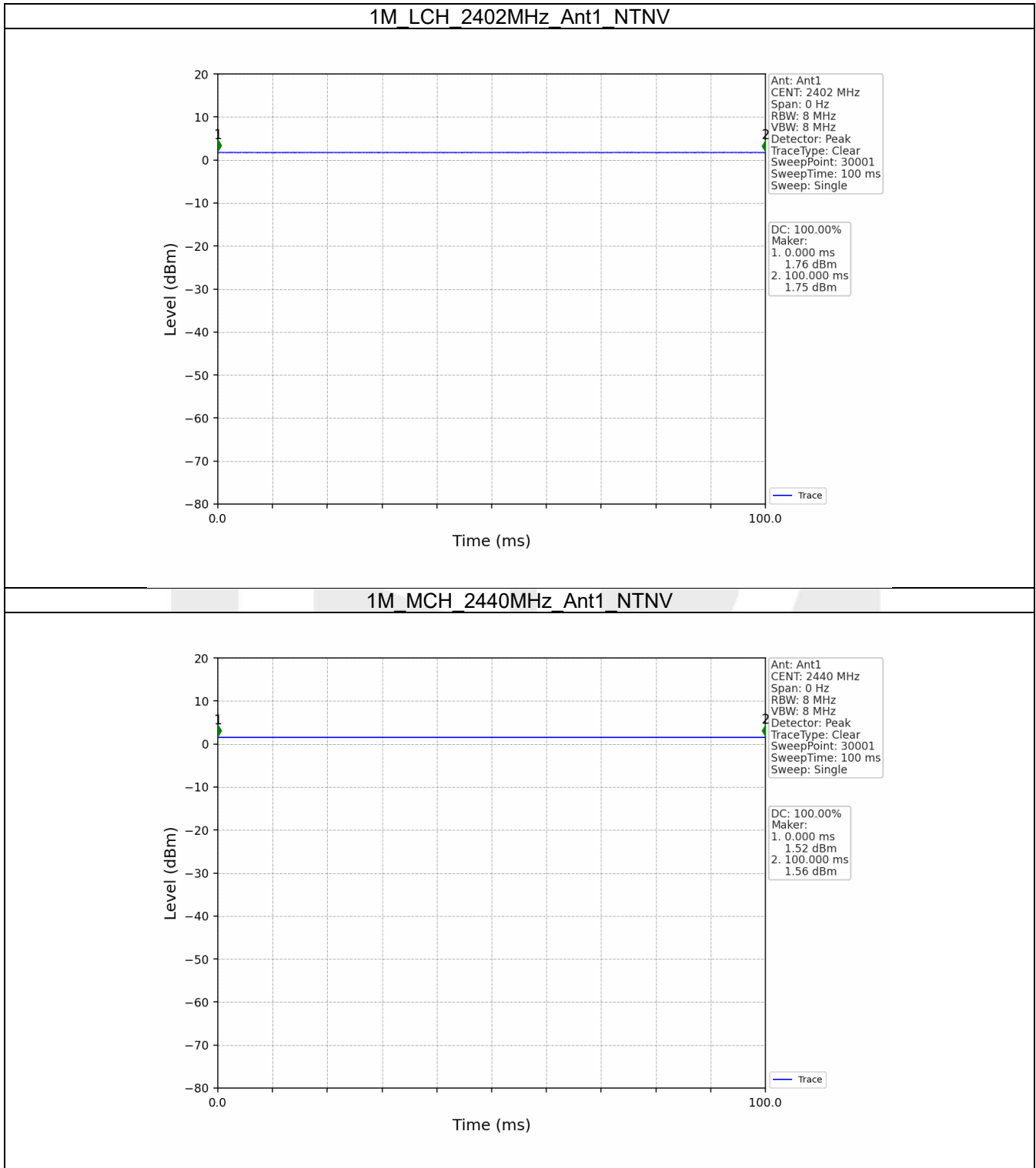
## 1. Duty Cycle

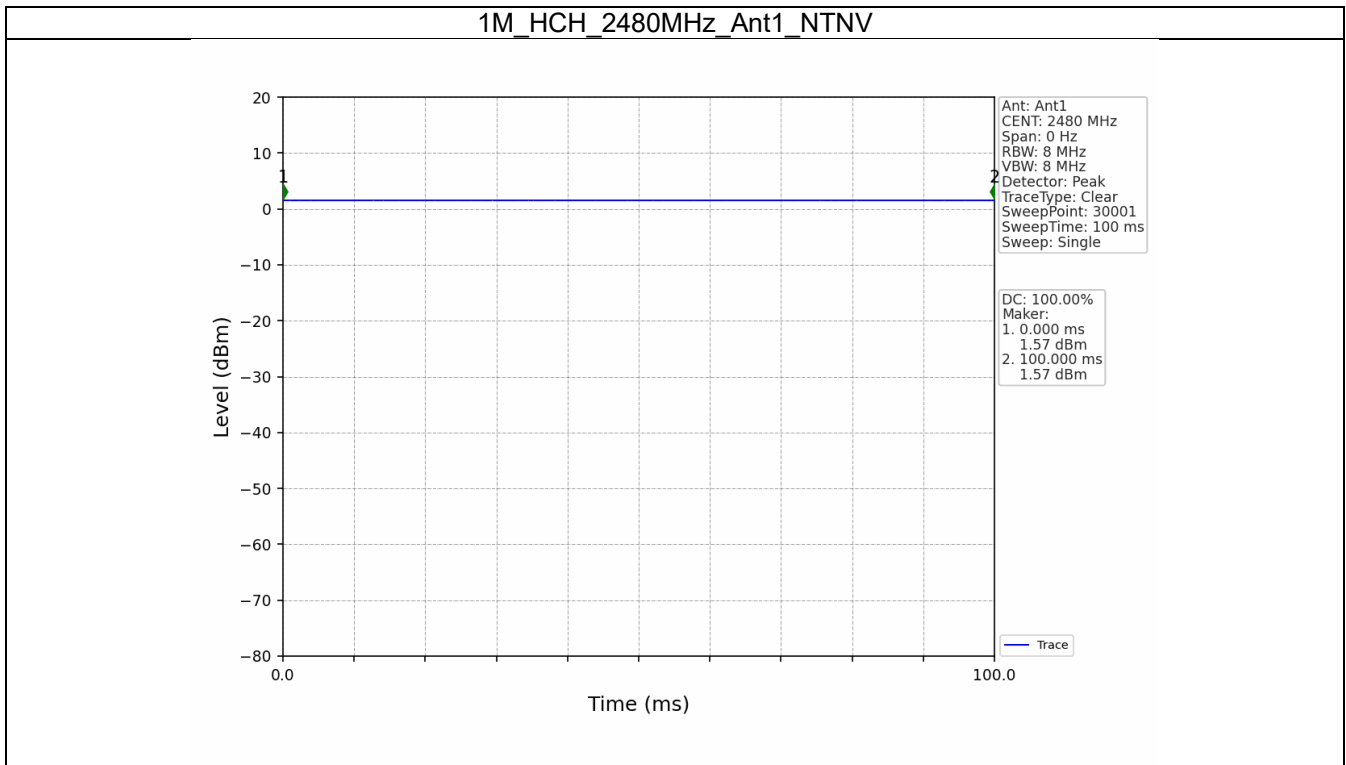
### 1.1 Ant1

#### 1.1.1 Test Result

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

1.1.2 Test Graph





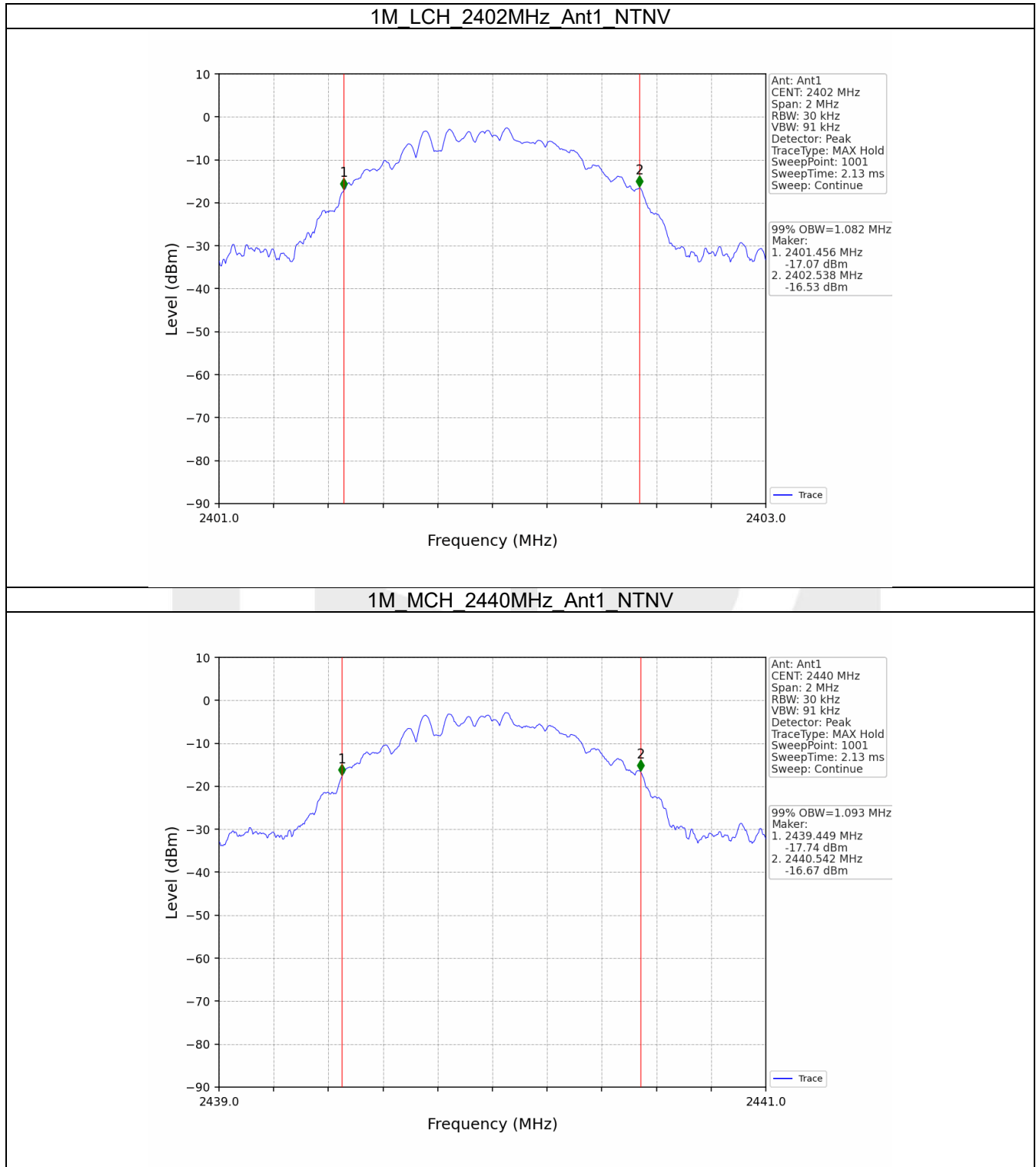
## 2. Bandwidth

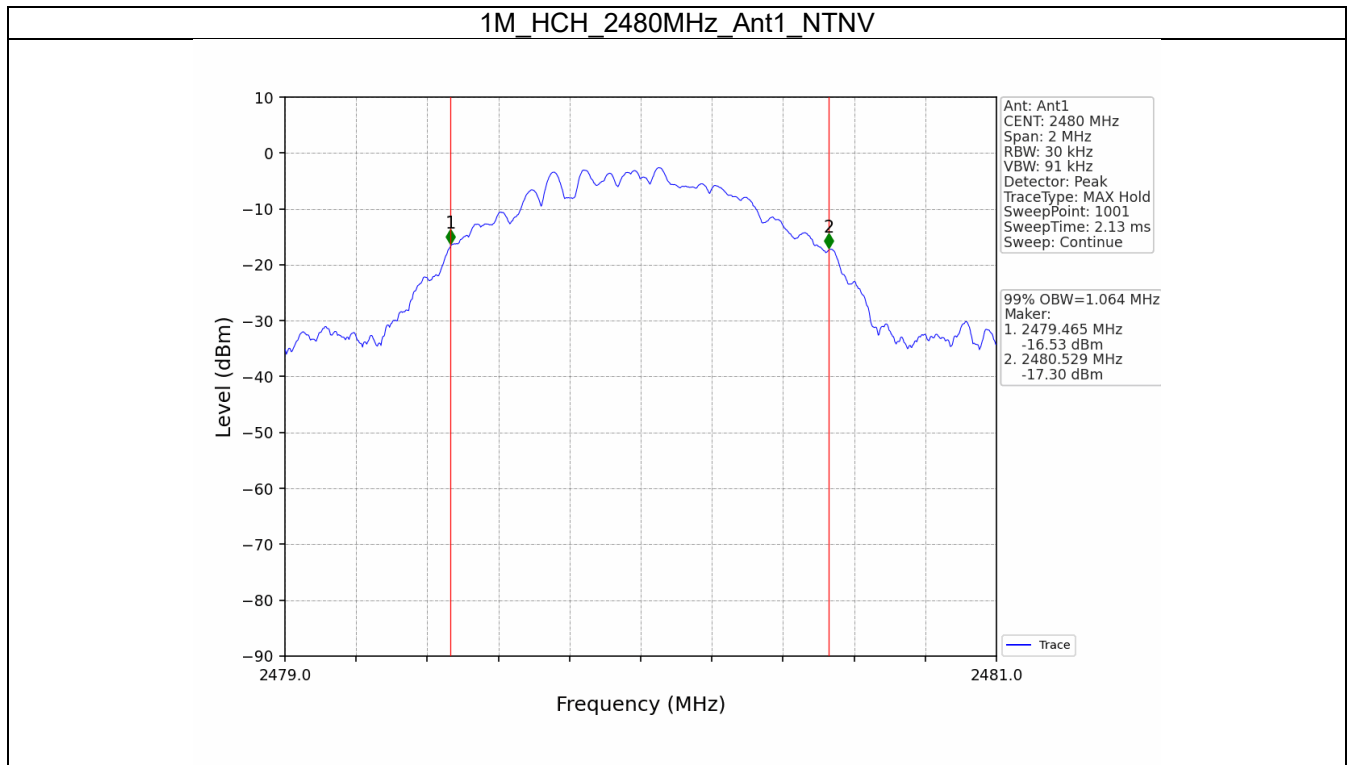
### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.082	Pass
		2440	1	1.093	Pass
		2480	1	1.064	Pass

2.1.2 Test Graph







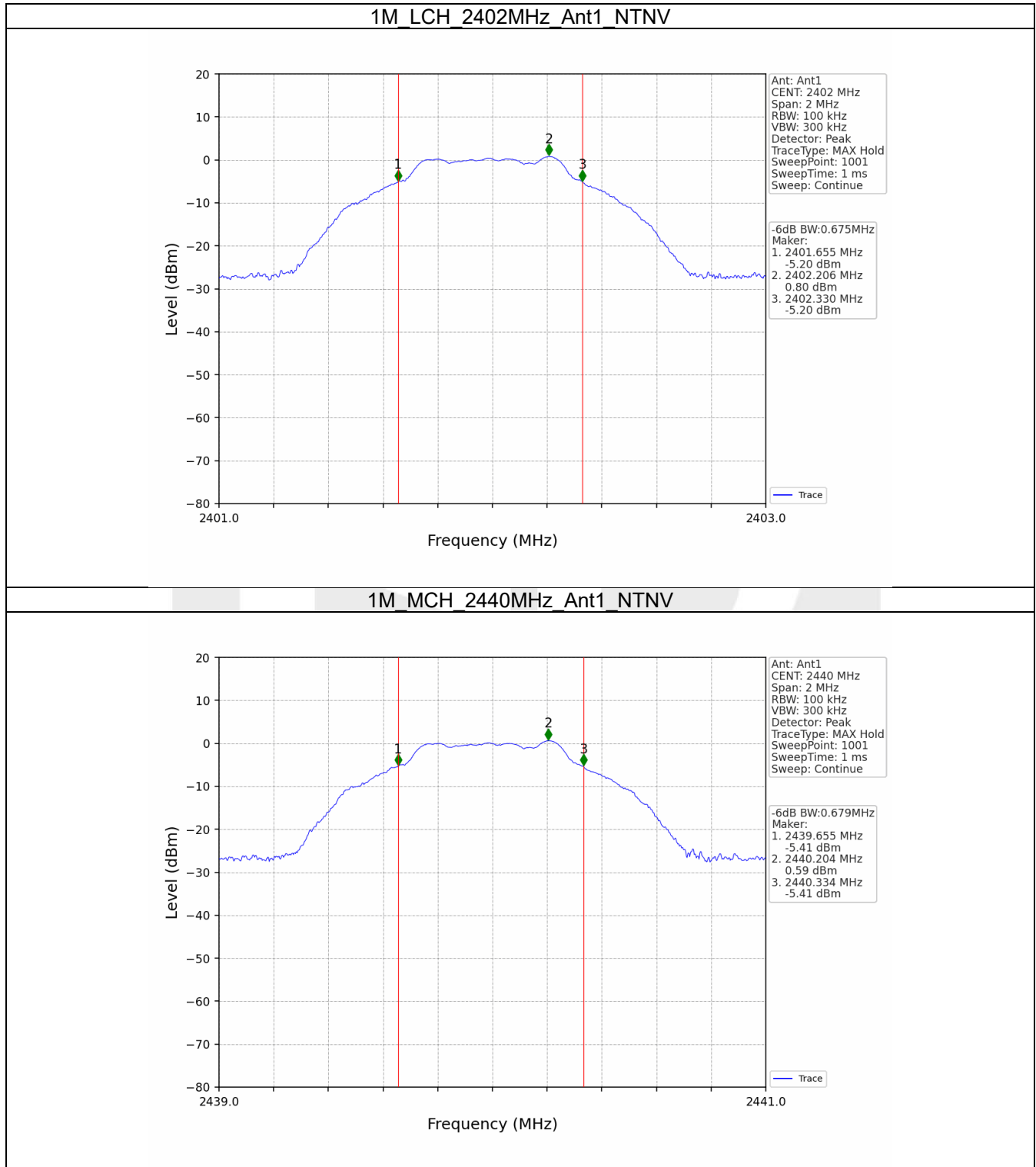
## 2.2 6dB BW

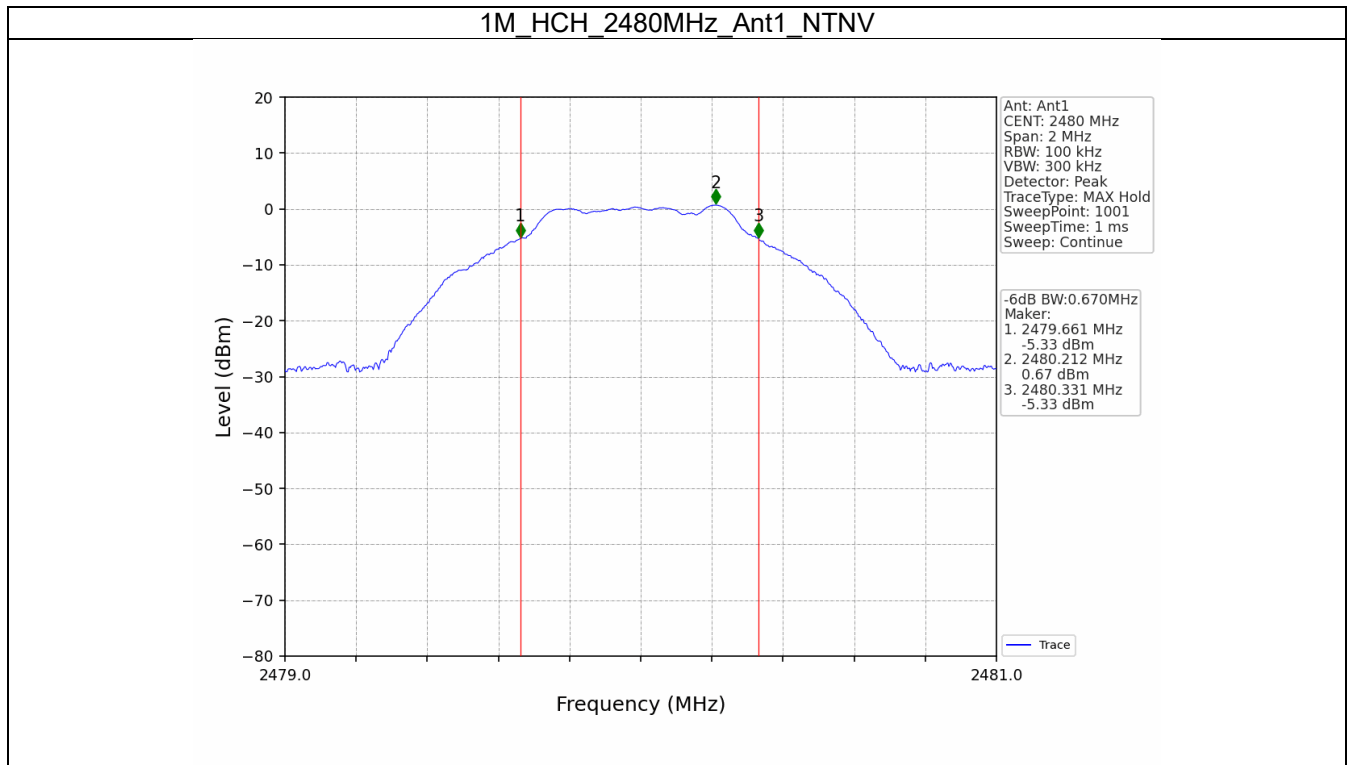
### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.675	$\geq 0.5$	Pass
		2440	1	0.679	$\geq 0.5$	Pass
		2480	1	0.670	$\geq 0.5$	Pass



2.2.2 Test Graph





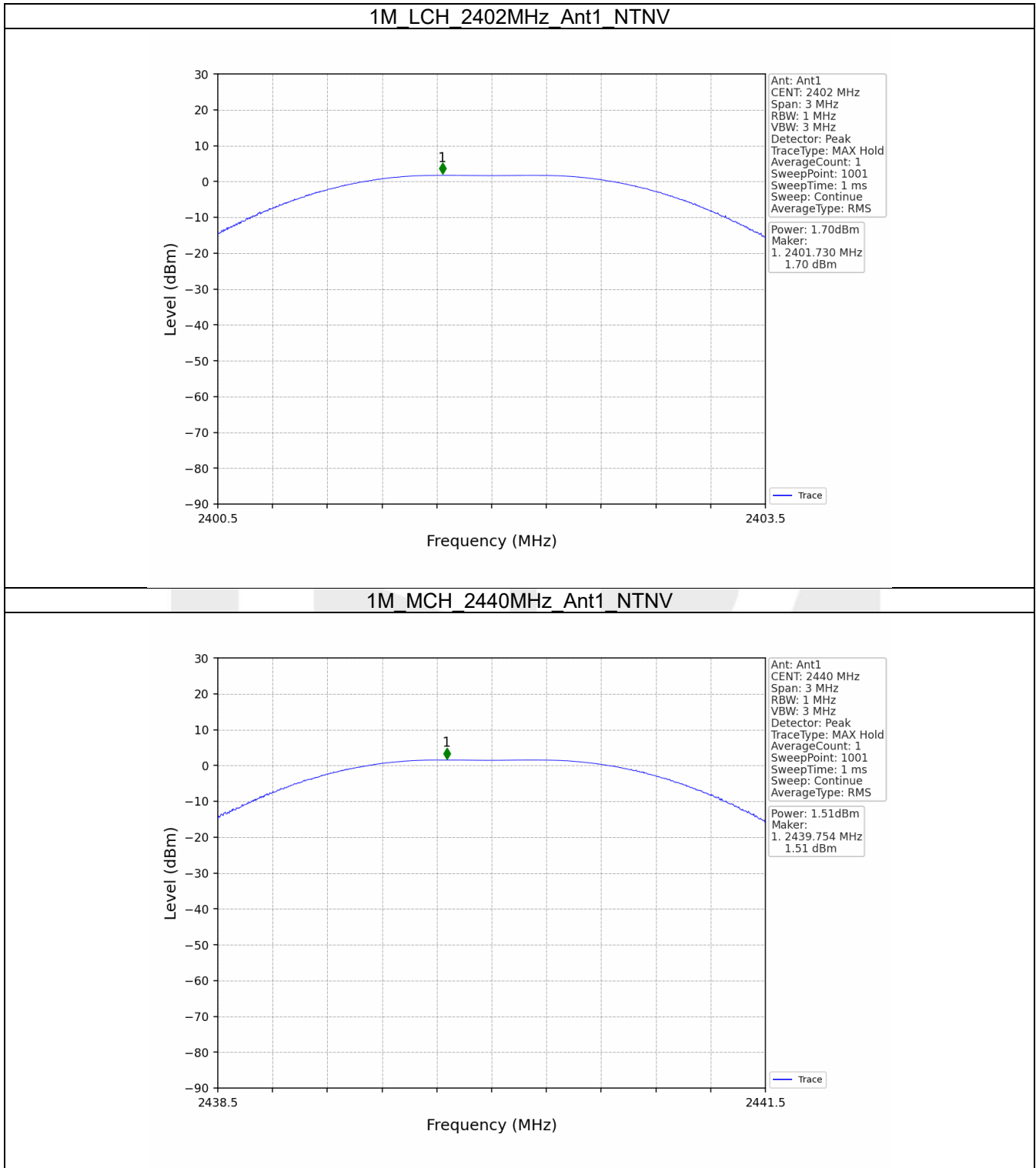
### 3. Maximum Conducted Output Power

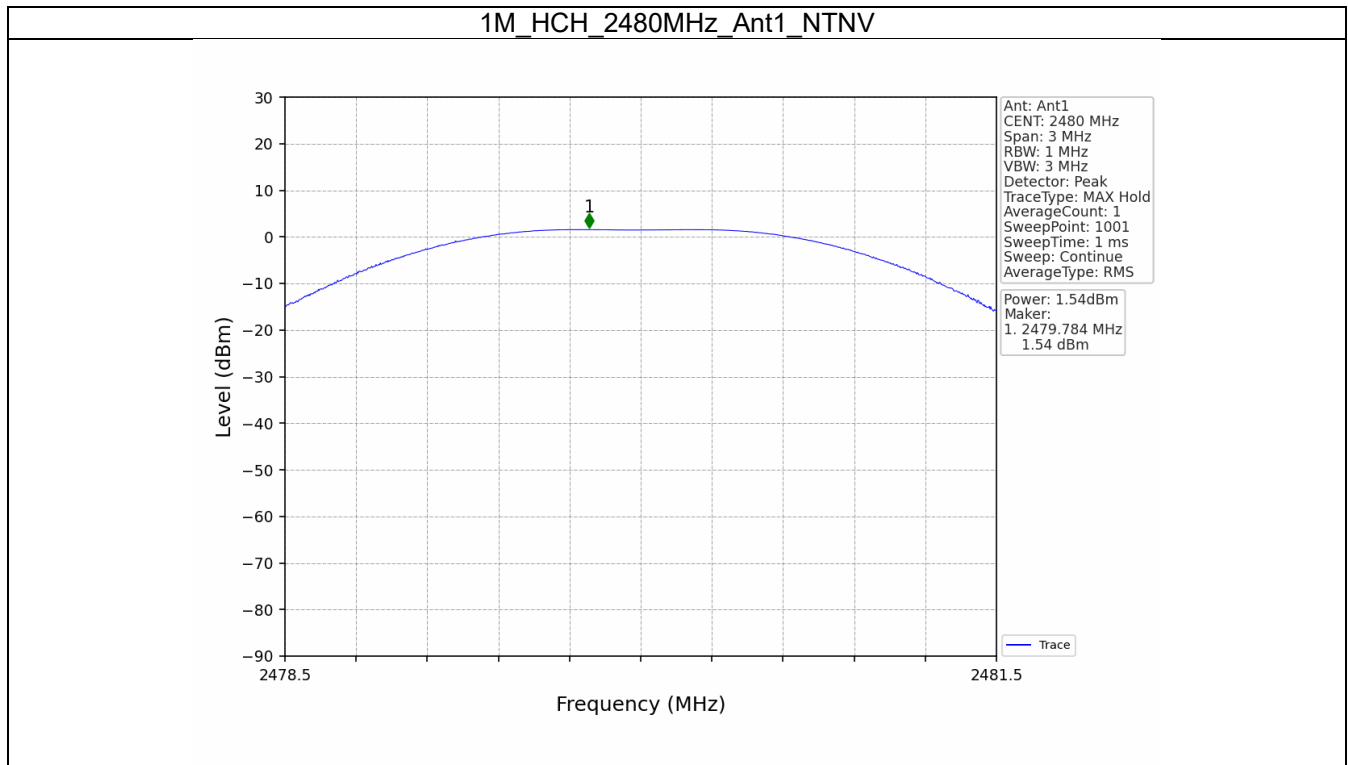
#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	1.70	<=30	Pass
		2440	1.51	<=30	Pass
		2480	1.54	<=30	Pass

3.1.2 Test Graph





#### 4. Maximum Power Spectral Density

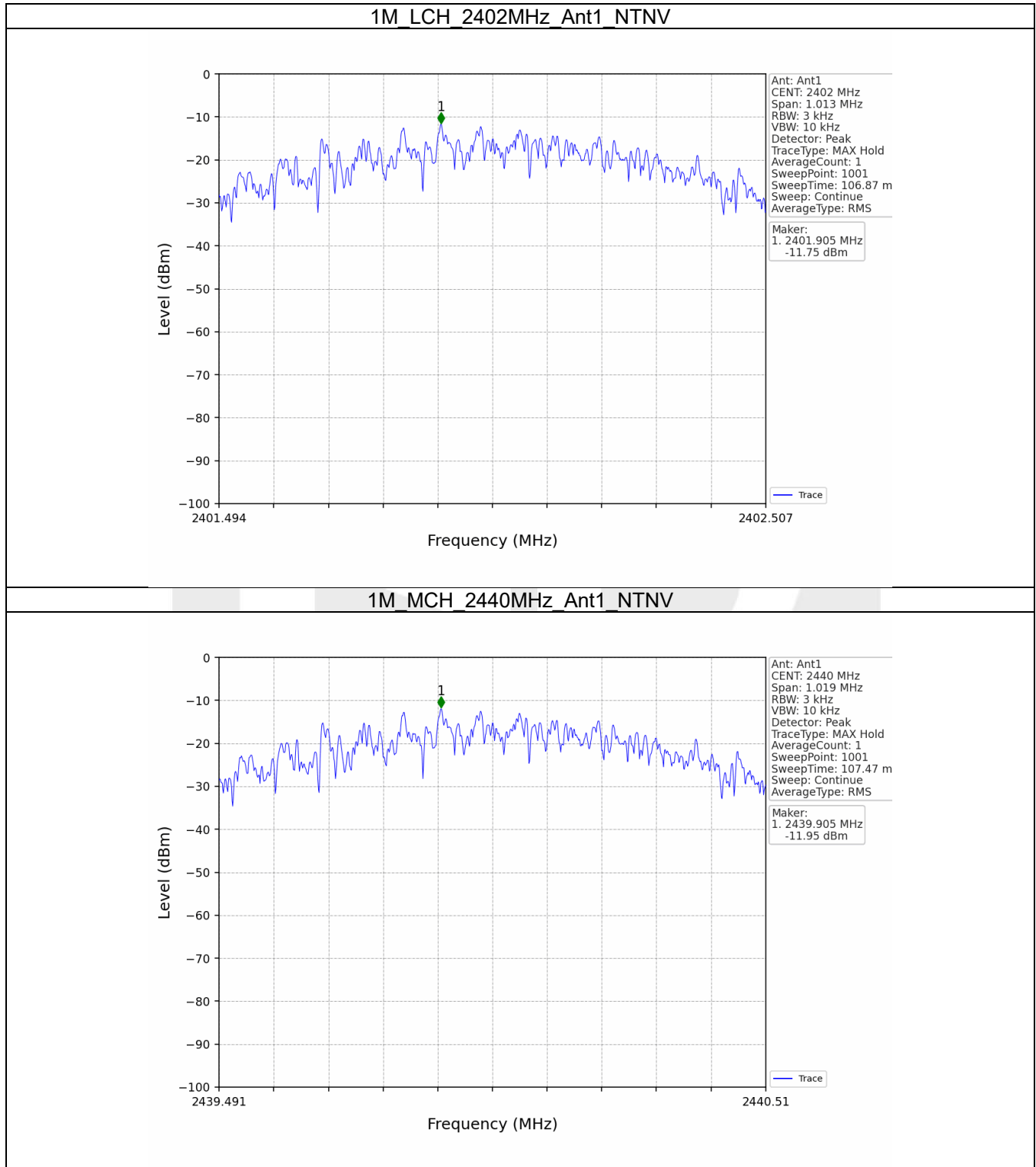
##### 4.1 PSD

##### 4.1.1 Test Result

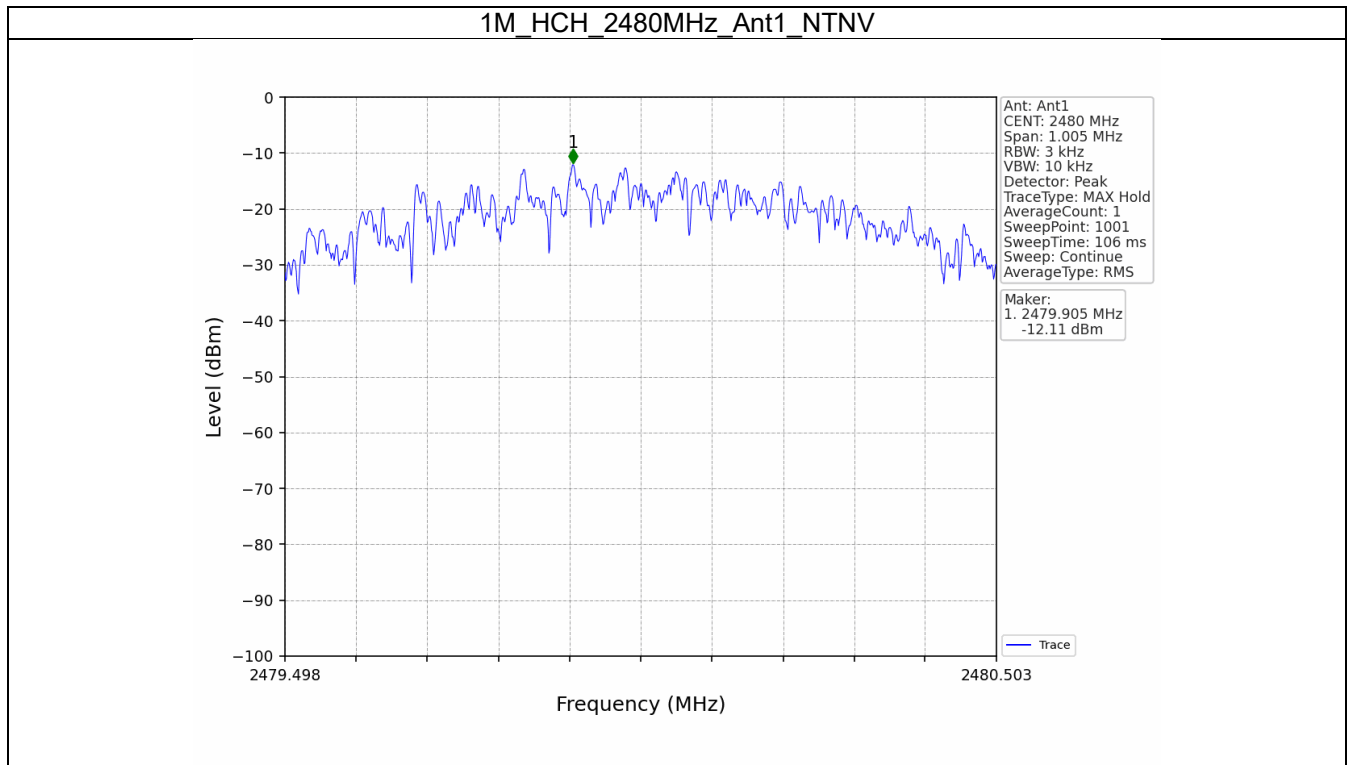
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-11.75	<=8	Pass
		2440	-11.95	<=8	Pass
		2480	-12.11	<=8	Pass



### 4.1.2 Test Graph







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

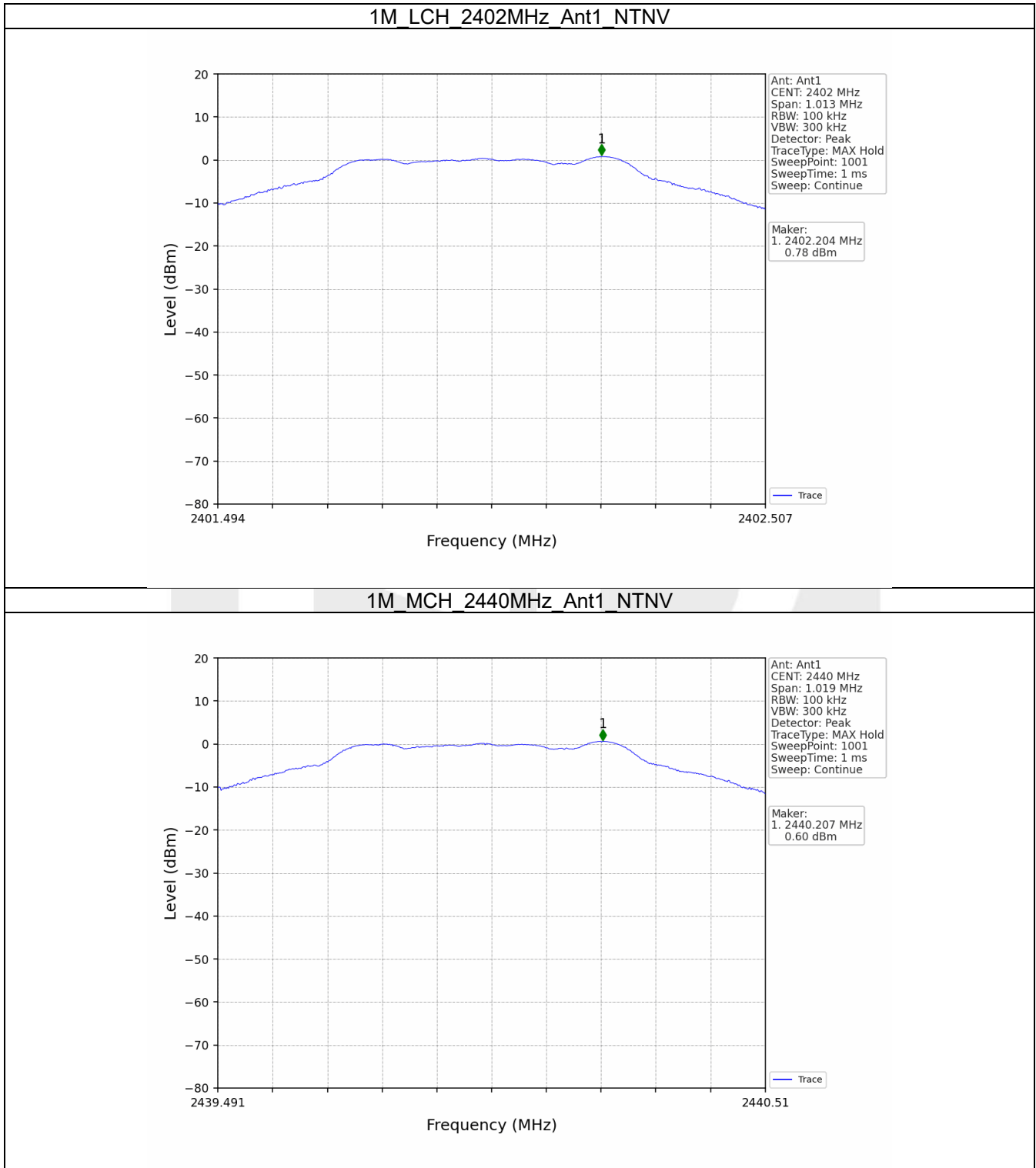
### 5.1 Ref

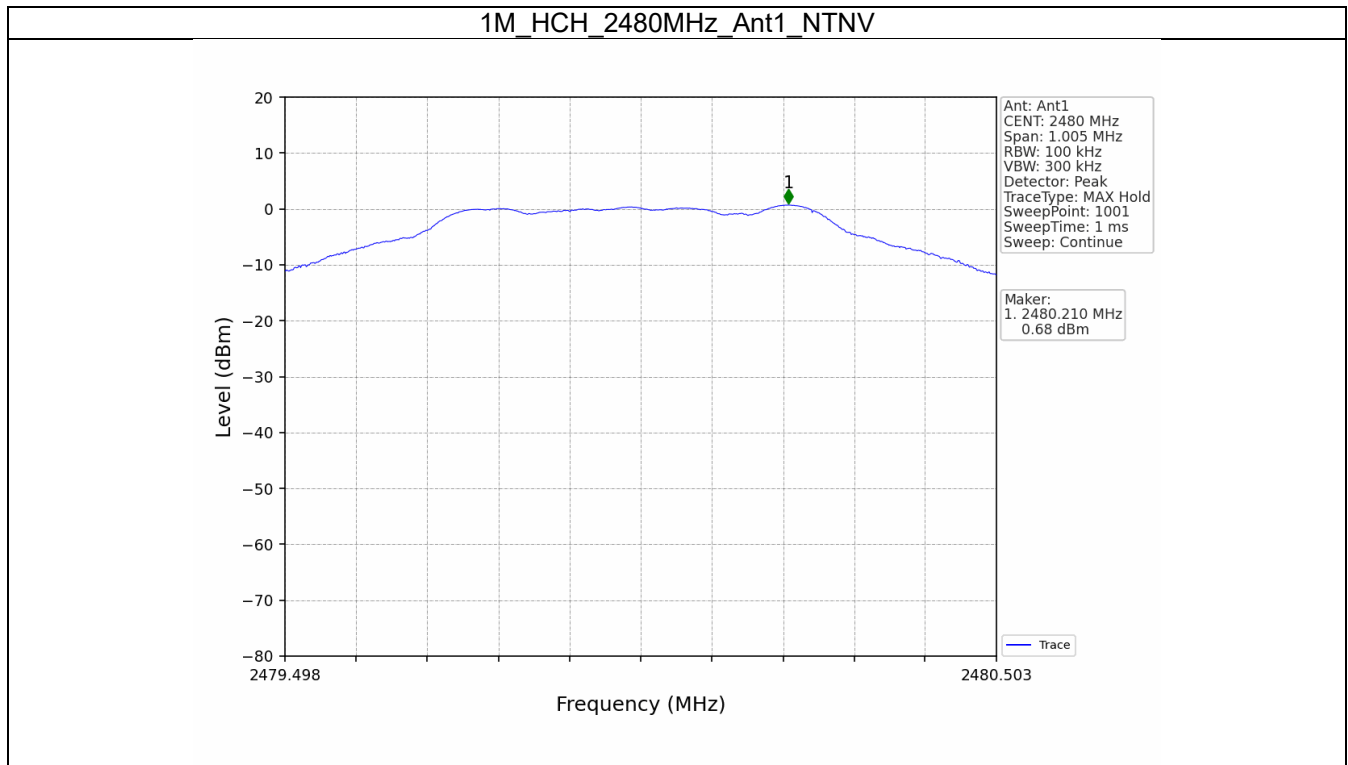
#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	0.78
		2440	1	0.60
		2480	1	0.68

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 Test Graph



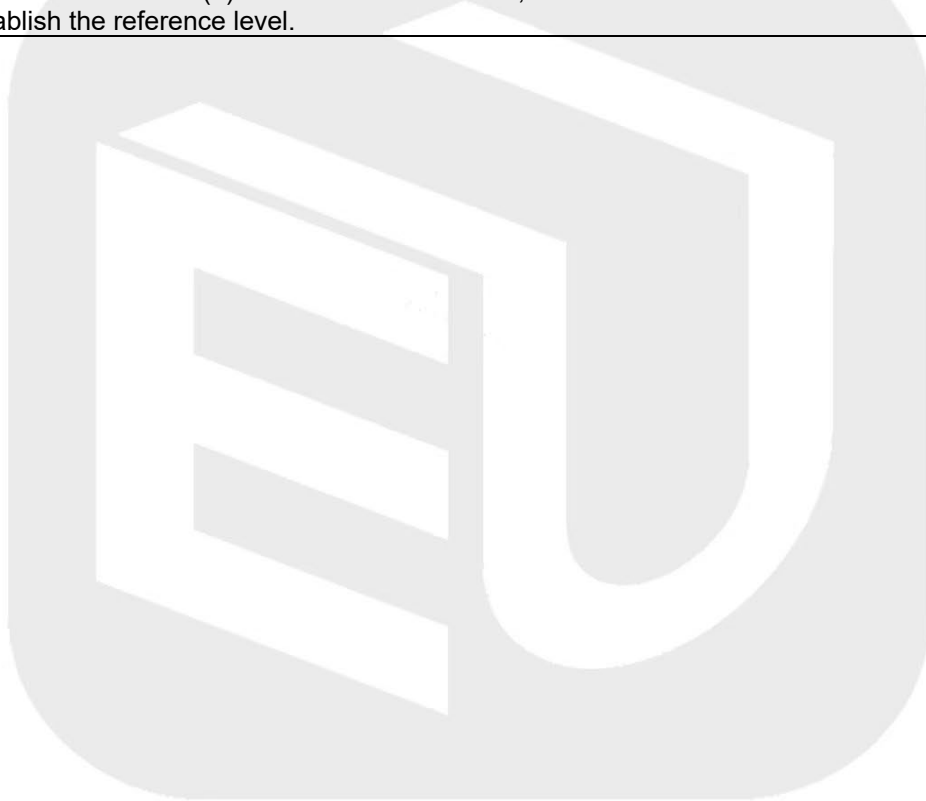


## 5.2 CSE

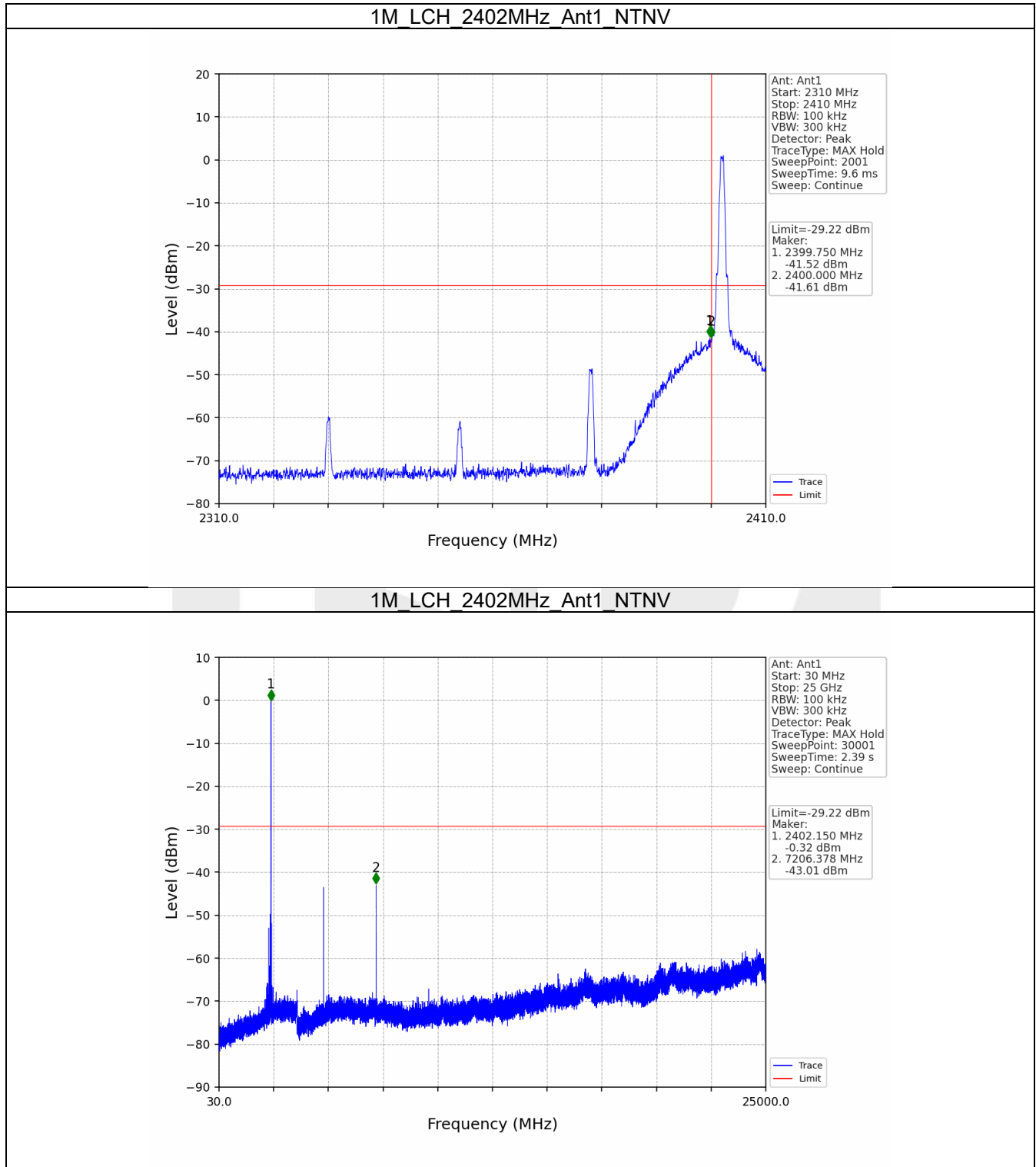
### 5.2.1 Test Result

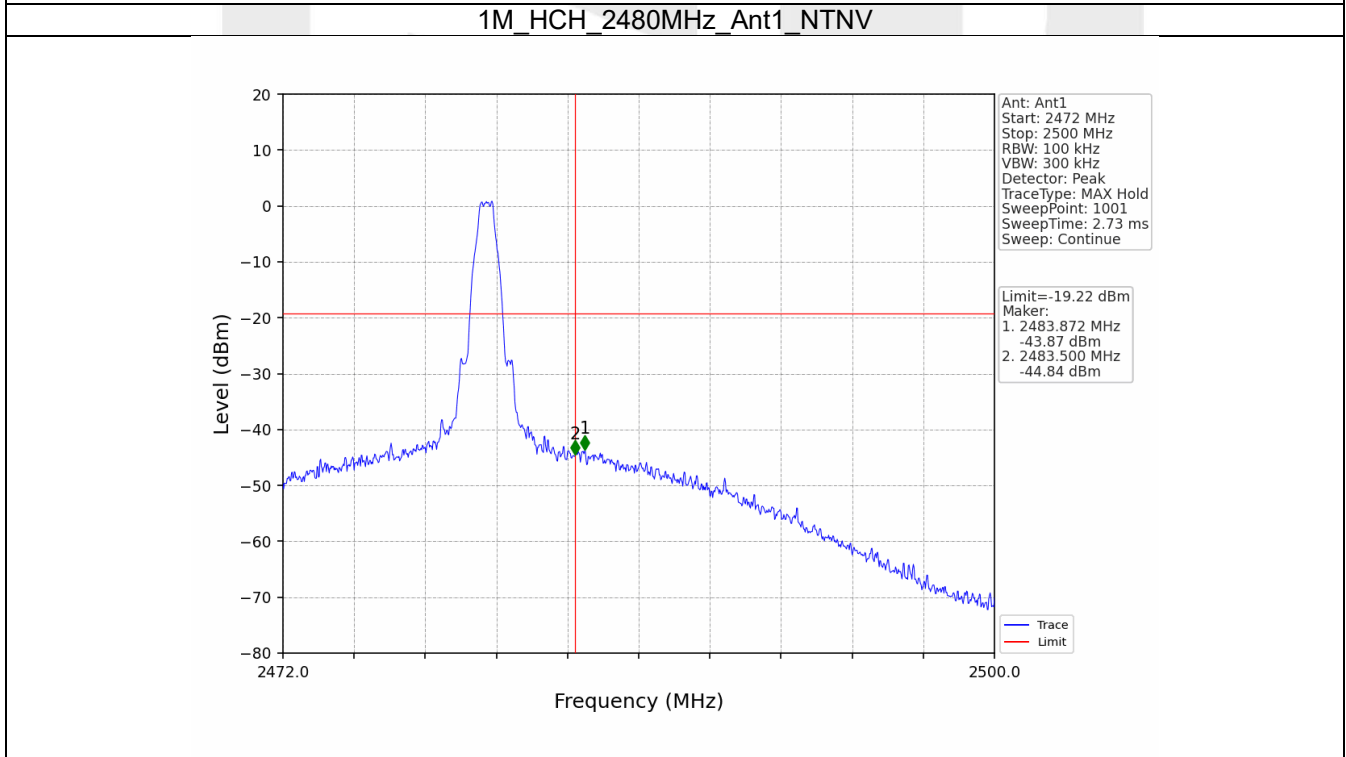
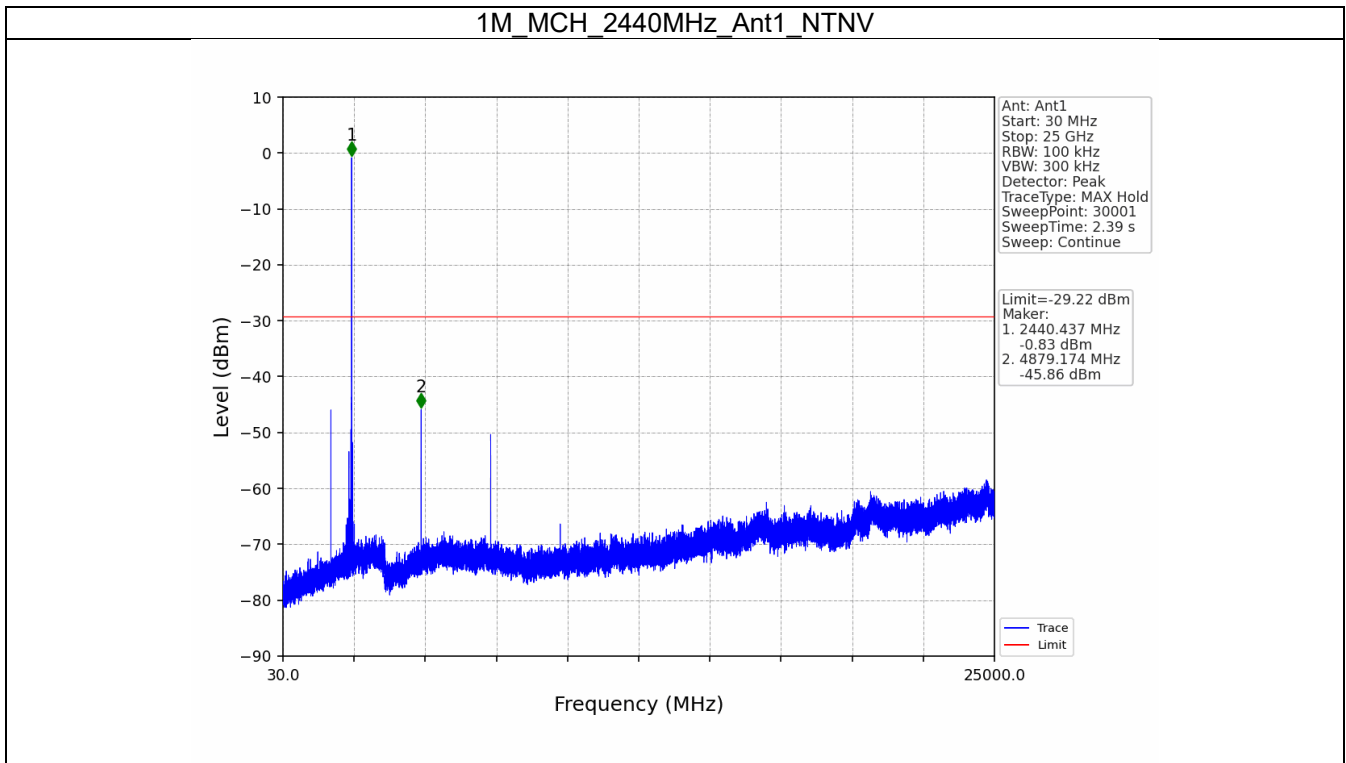
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.78	-29.22	Pass
		2440	1	0.78	-29.22	Pass
		2480	1	0.78	-19.22	Pass

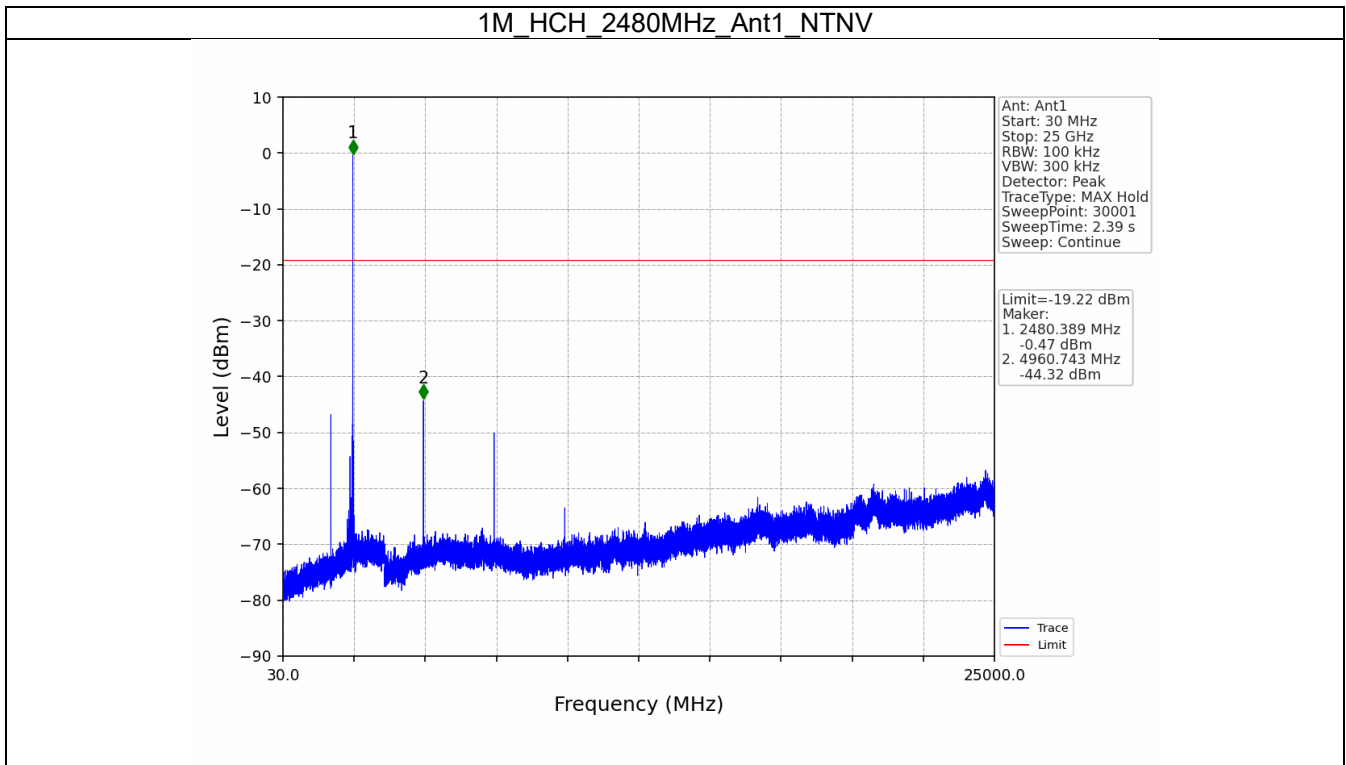
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



5.2.2 Test Graph







----- End of Report -----