

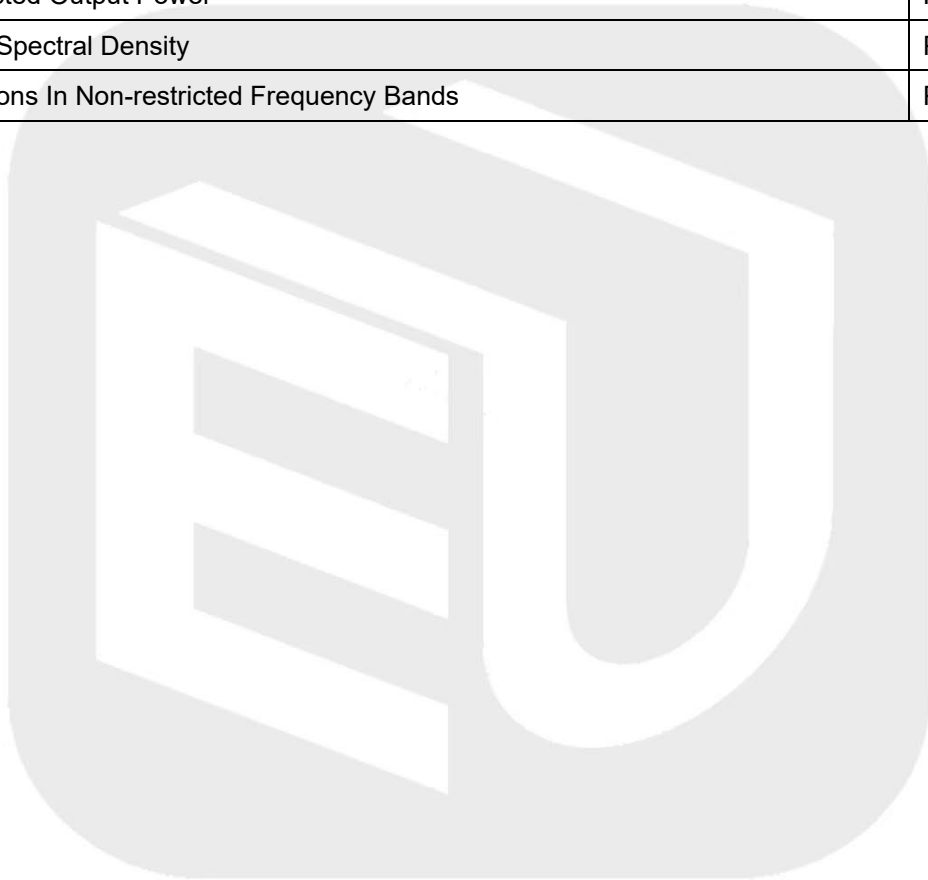
# ANNEX D TEST DATA

## For

Project No.:	8228EU121801W
Client:	Beijing Tongyong Technology Co., LTD
Product Name:	Wireless Mechanical Keyboard
Model No.:	OP75
FCC ID:	2BDK7-OP75
Technology:	Bluetooth BLE
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-04-25

## 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



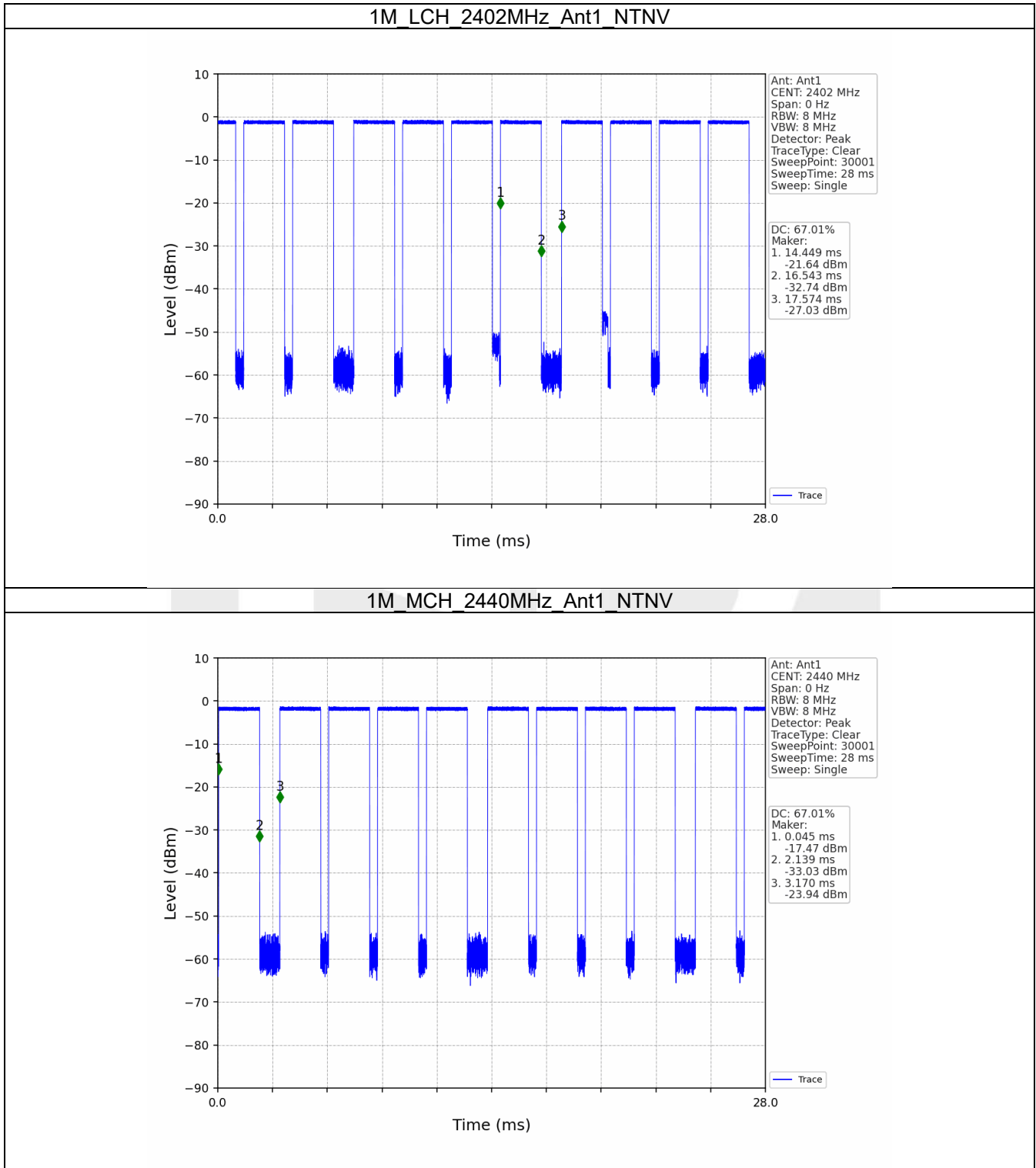
## 1. Duty Cycle

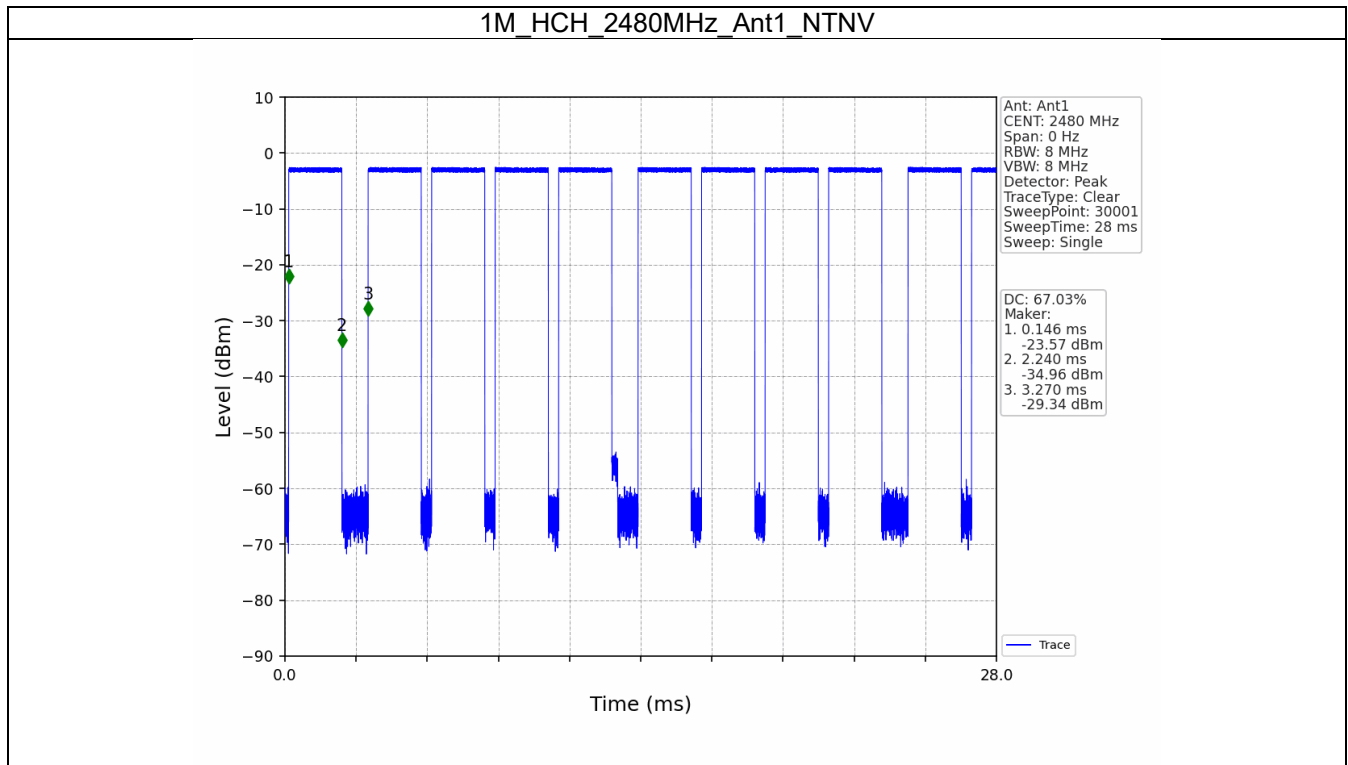
### 1.1 Ant1

#### 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	2.094	3.125	67.01	1.74	16.78
		2440	2.094	3.125	67.01	1.74	16.78
		2480	2.094	3.124	67.03	1.74	16.78

1.1.2 Test Graph





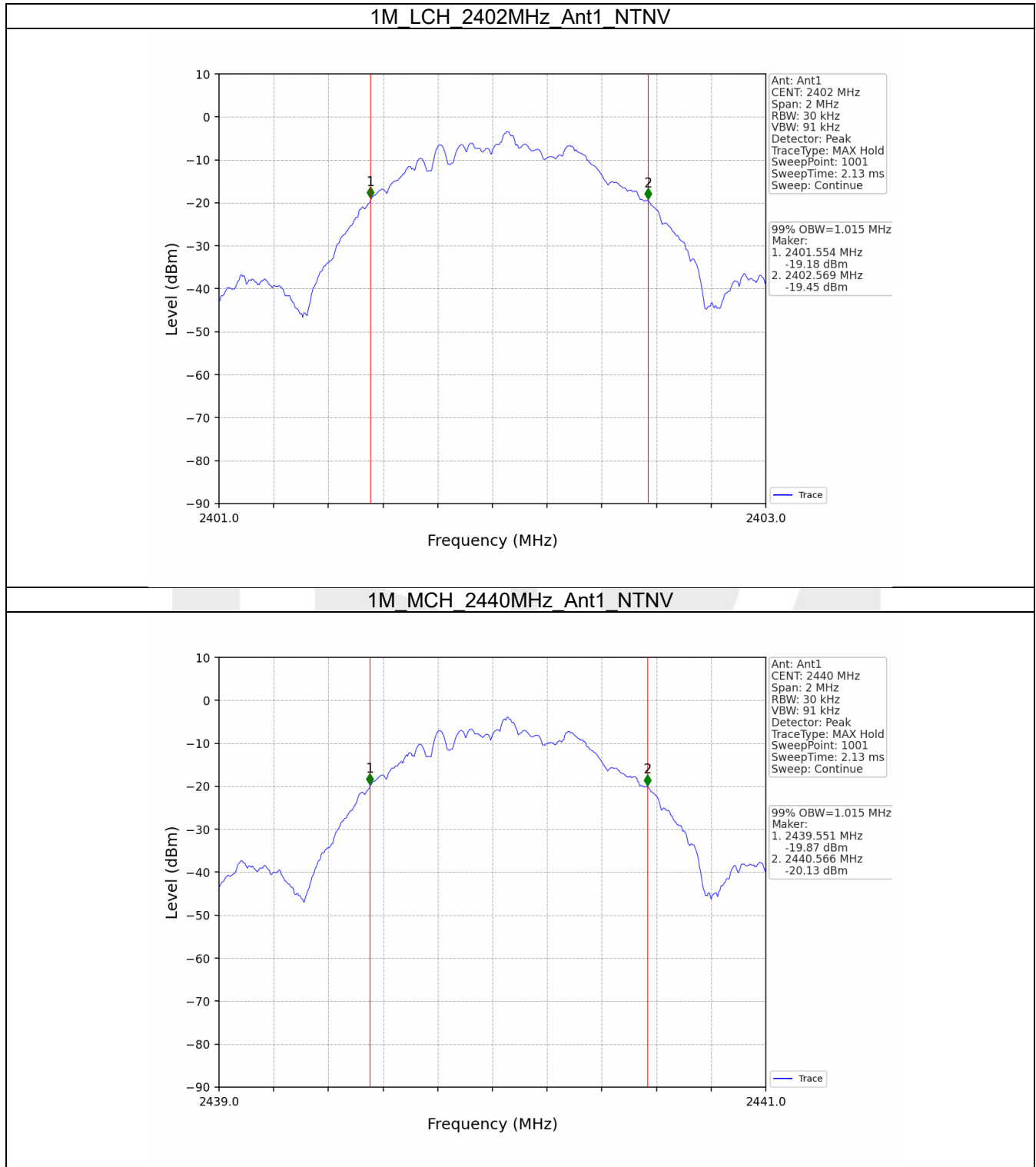
## 2. Bandwidth

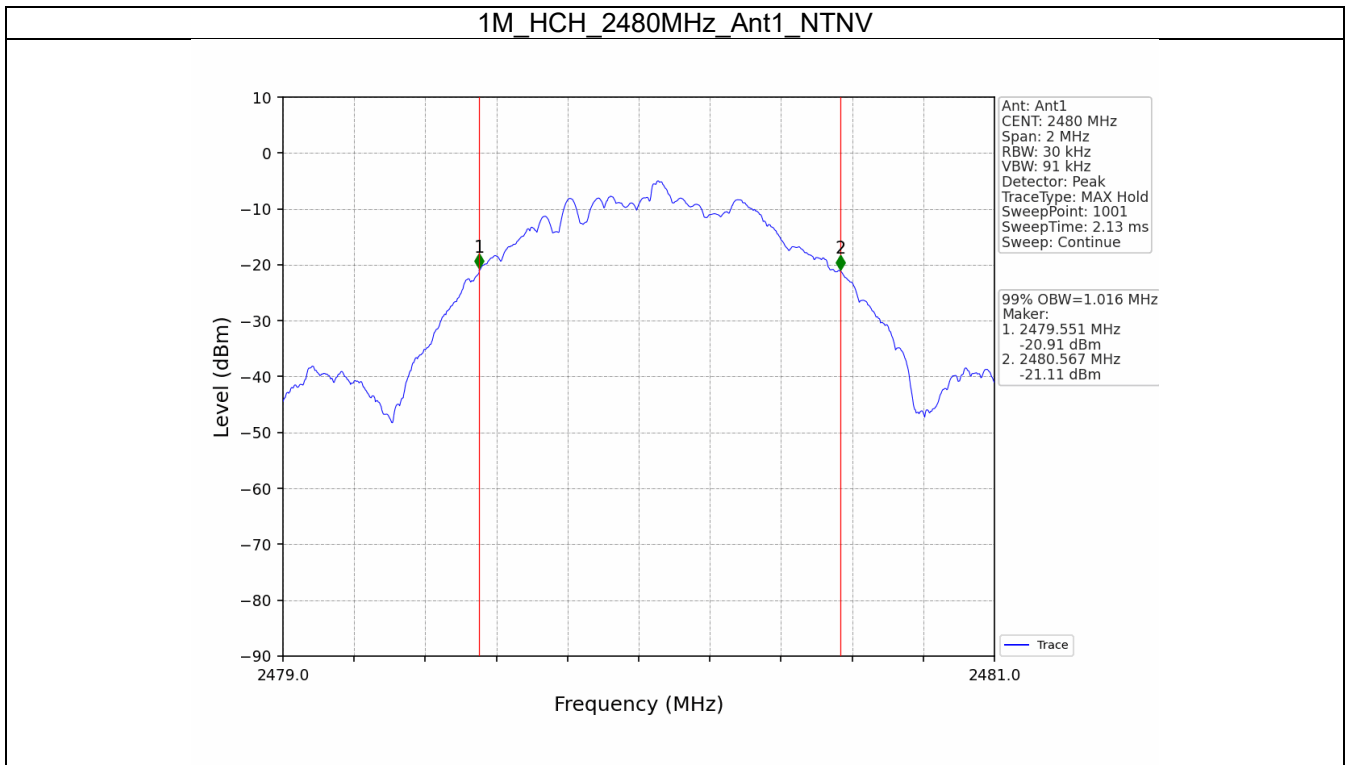
### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.015	/	Pass
		2440	1	1.015	/	Pass
		2480	1	1.016	/	Pass

2.1.2 Test Graph







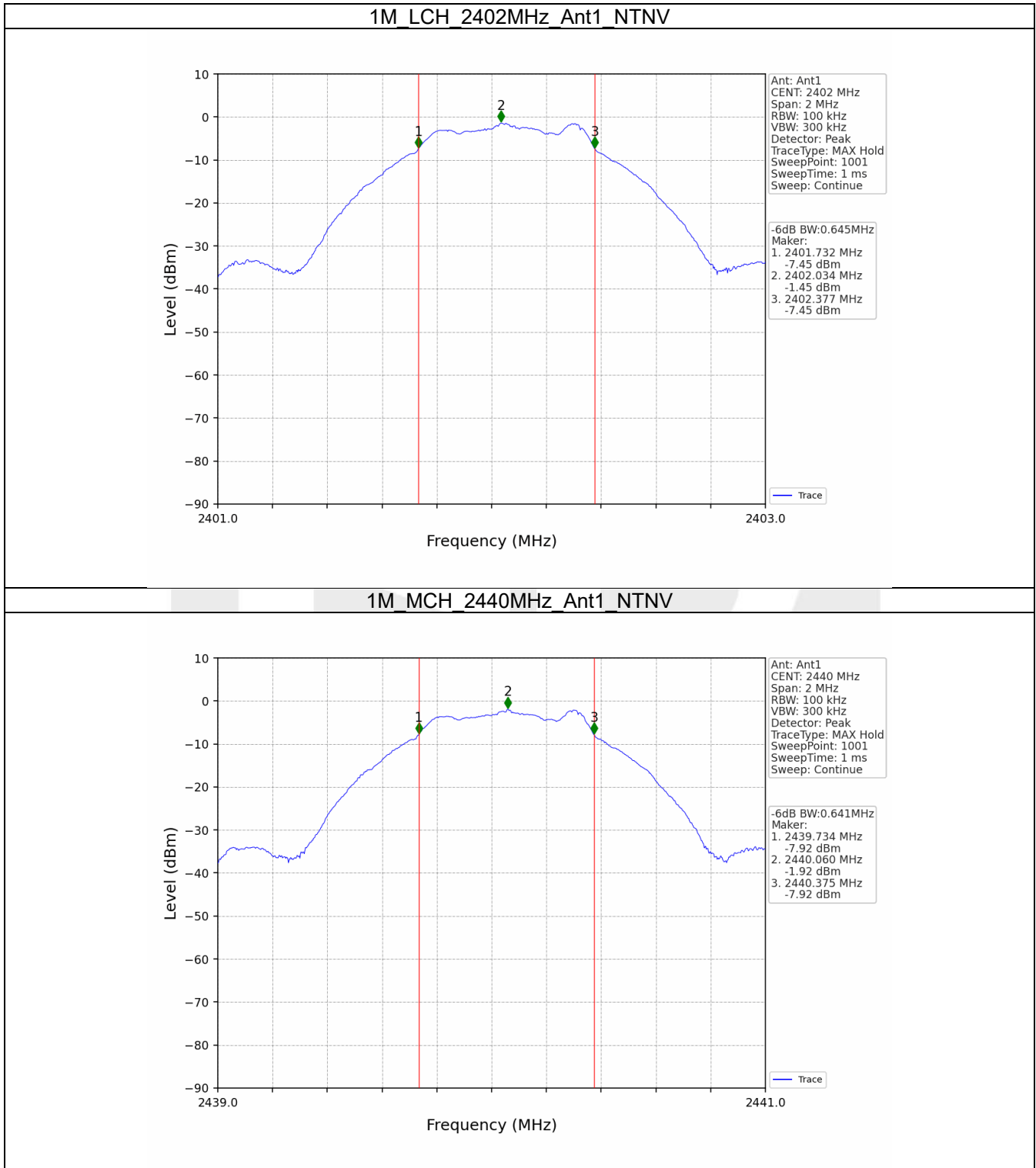
## 2.2 6dB BW

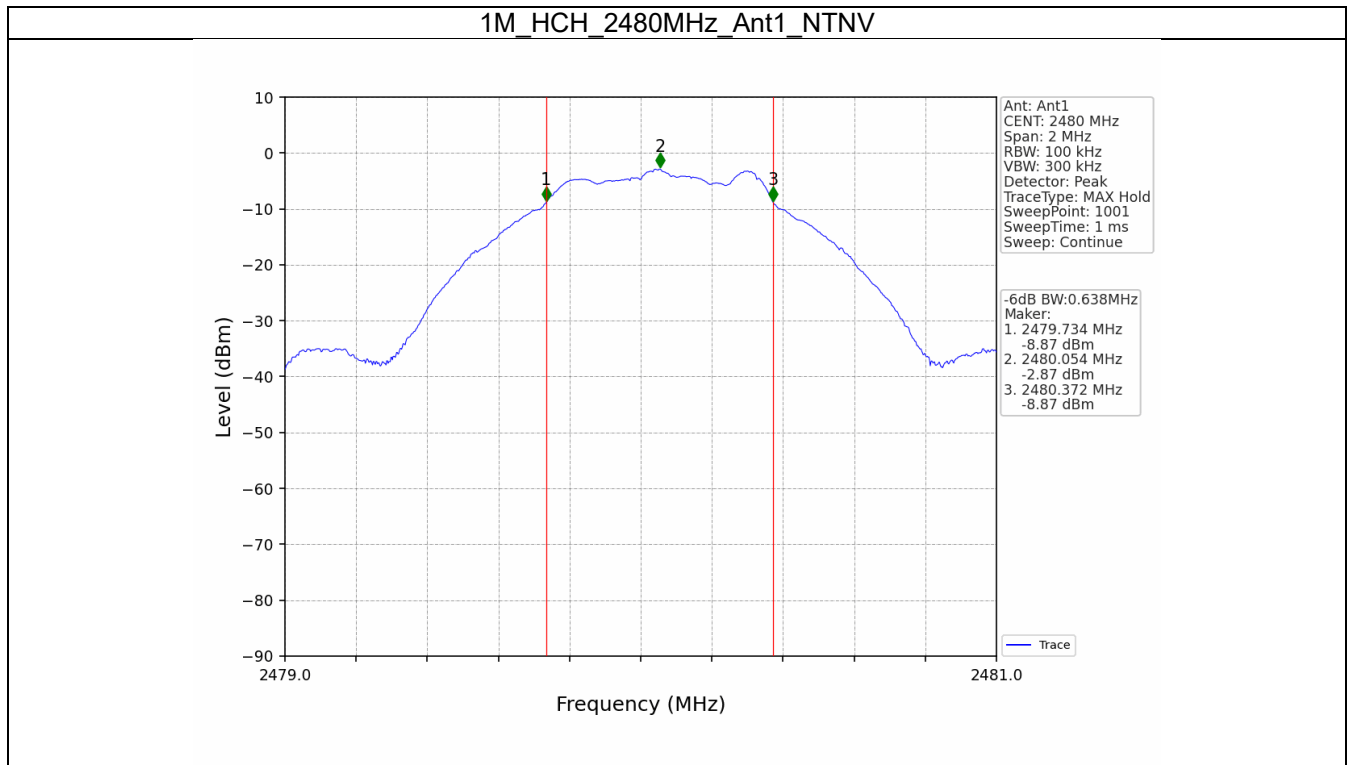
### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.645	$\geq 0.5$	Pass
		2440	1	0.641	$\geq 0.5$	Pass
		2480	1	0.638	$\geq 0.5$	Pass



2.2.2 Test Graph





### 3. Maximum Conducted Output Power

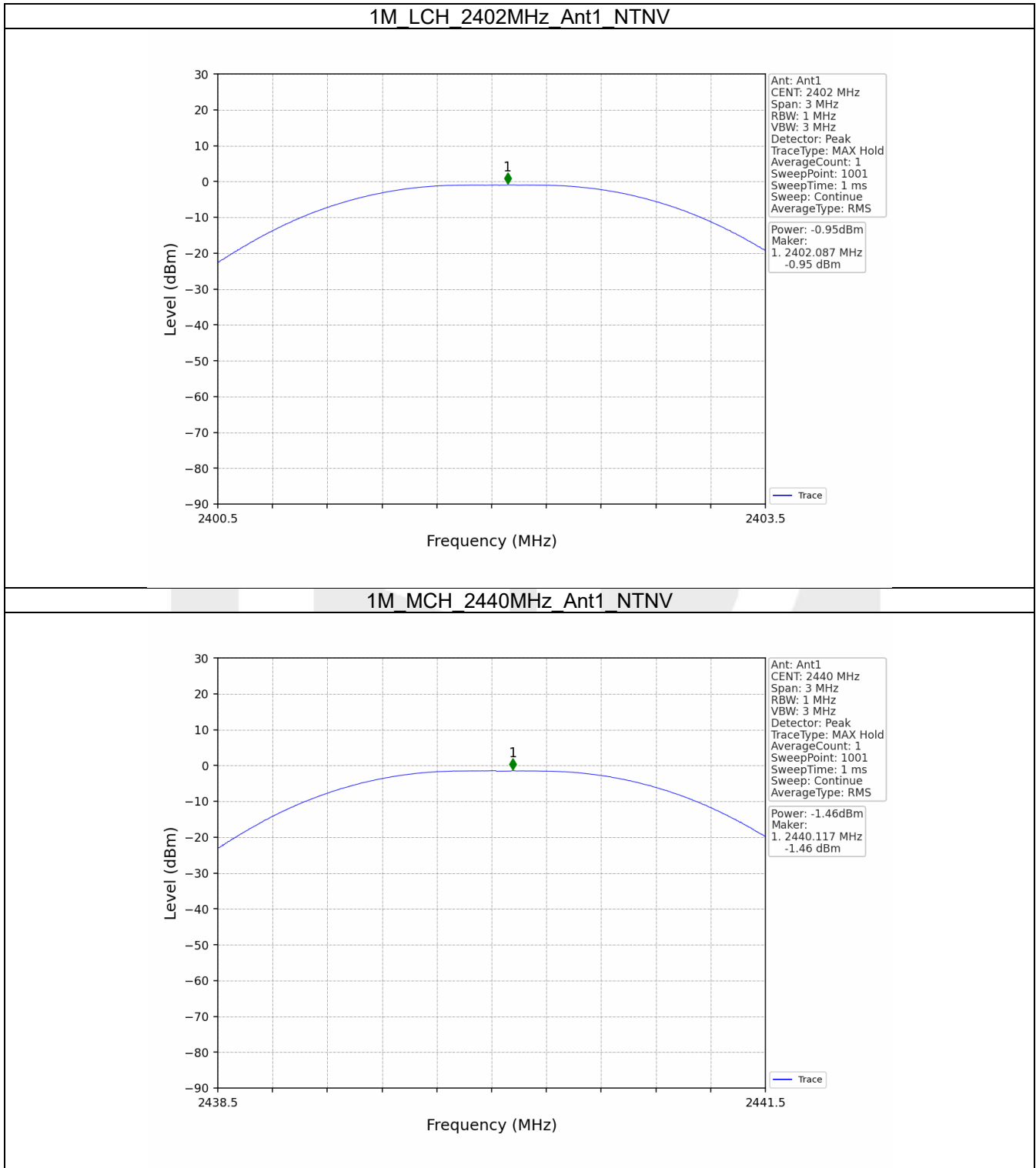
#### 3.1 Power

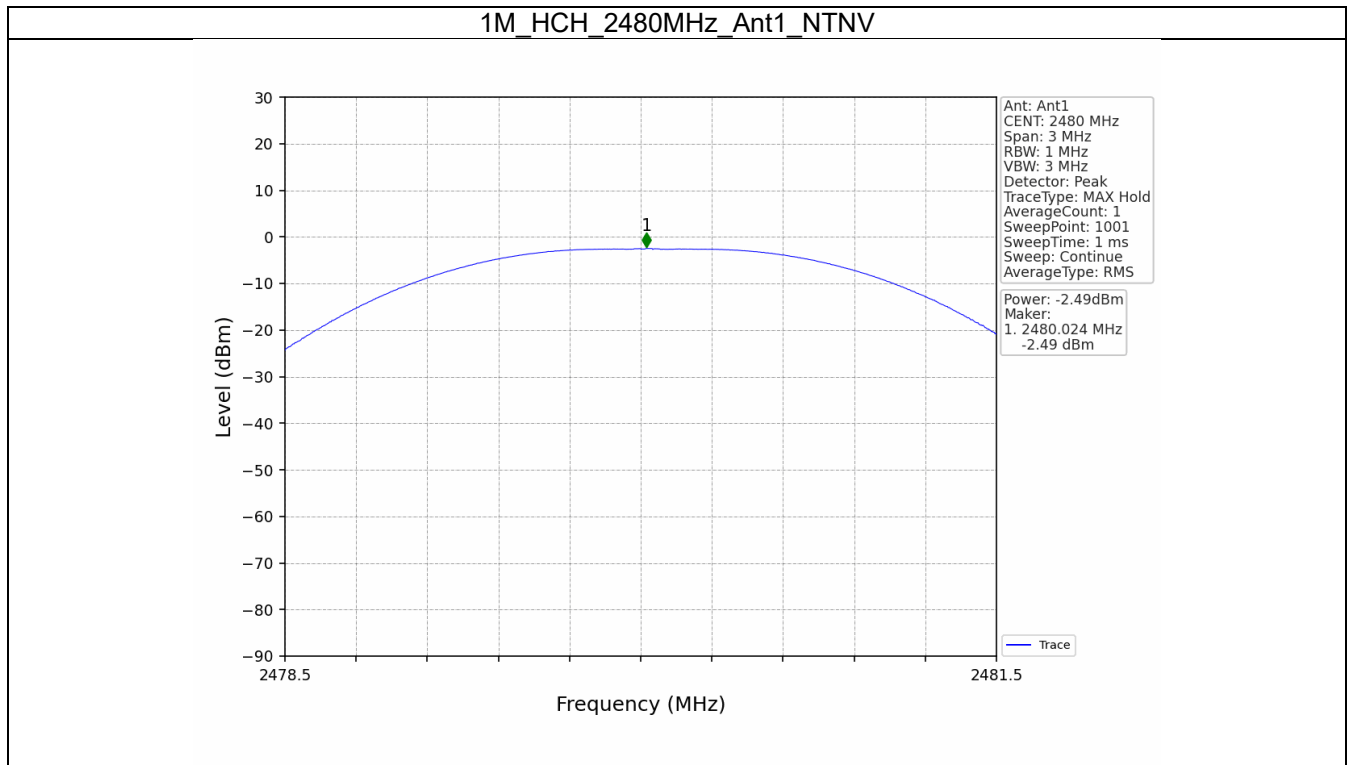
##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-0.95	<=30	Pass
		2440	-1.46	<=30	Pass
		2480	-2.49	<=30	Pass



3.1.2 Test Graph





#### 4. Maximum Power Spectral Density

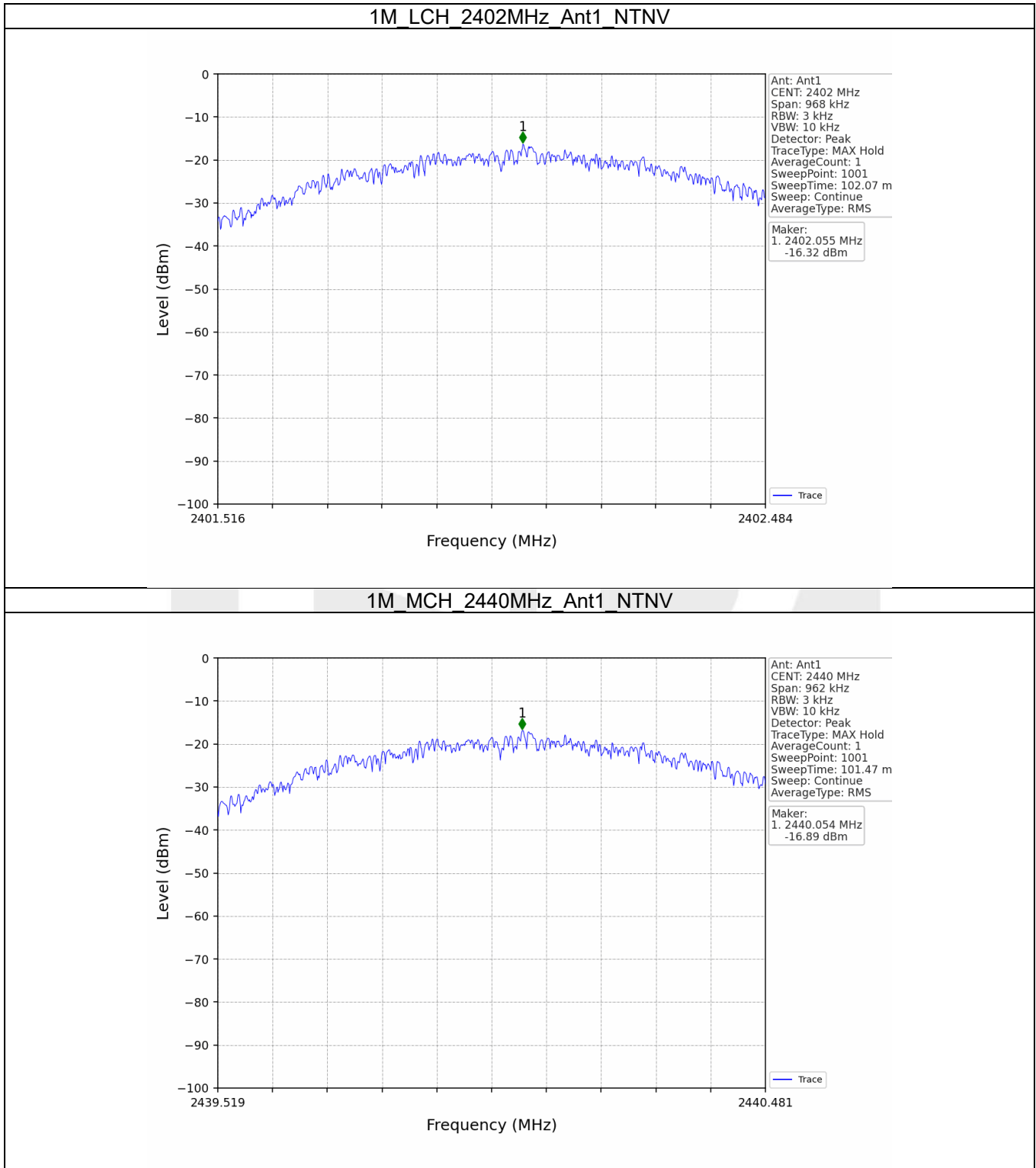
##### 4.1 PSD

##### 4.1.1 Test Result

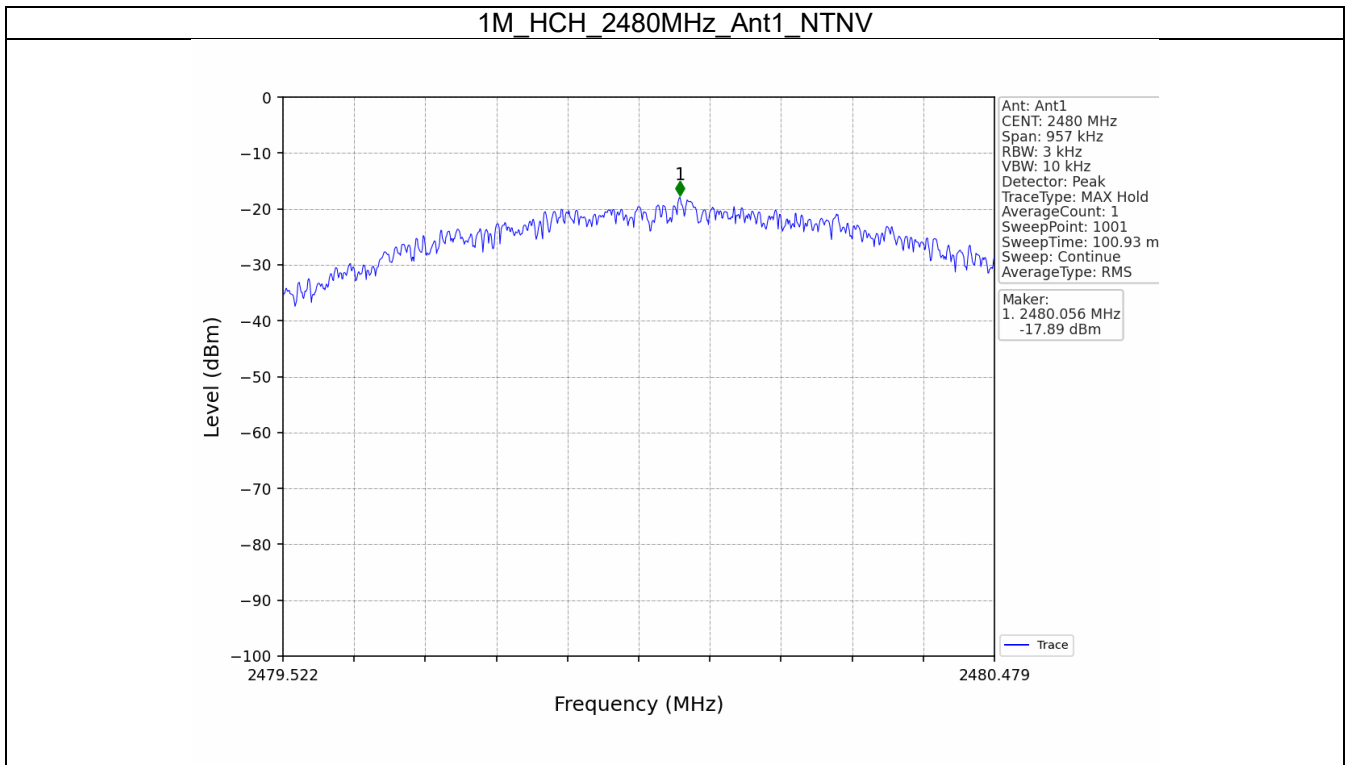
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-16.32	<=8	Pass
		2440	-16.89	<=8	Pass
		2480	-17.89	<=8	Pass



4.1.2 Test Graph







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

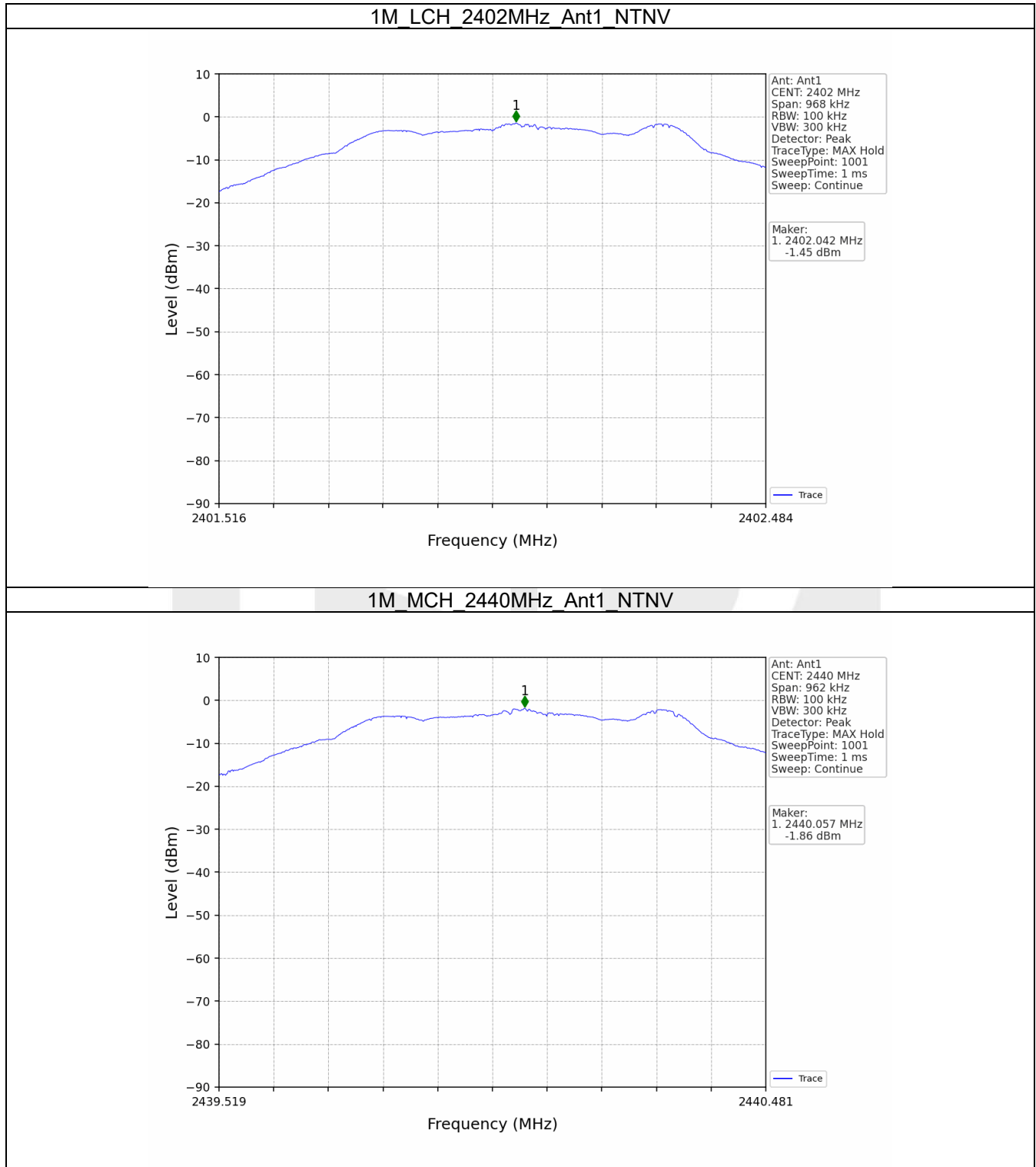
### 5.1 Ref

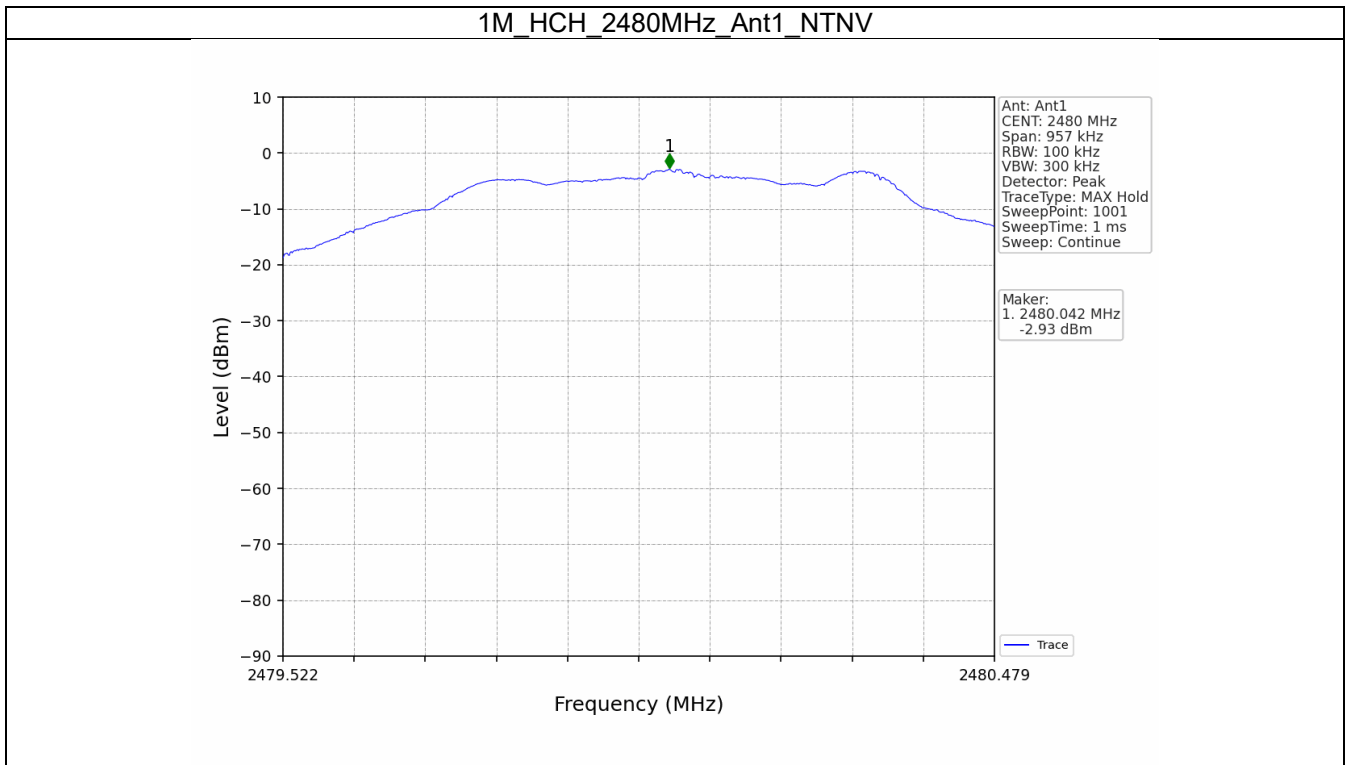
#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.45
		2440	1	-1.86
		2480	1	-2.93

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

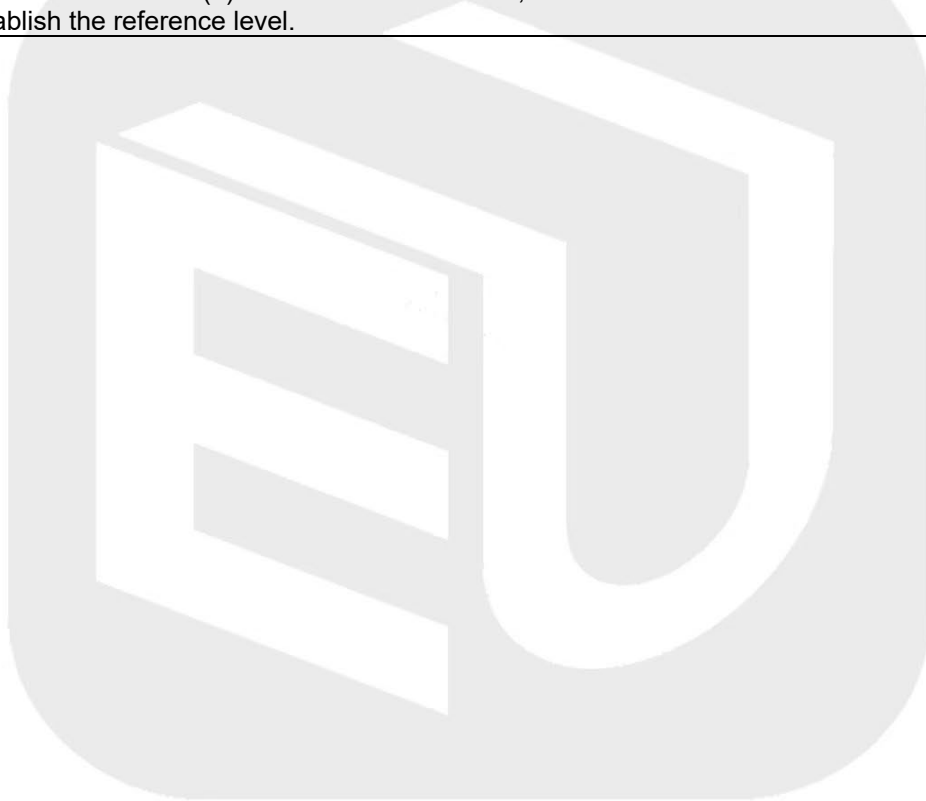




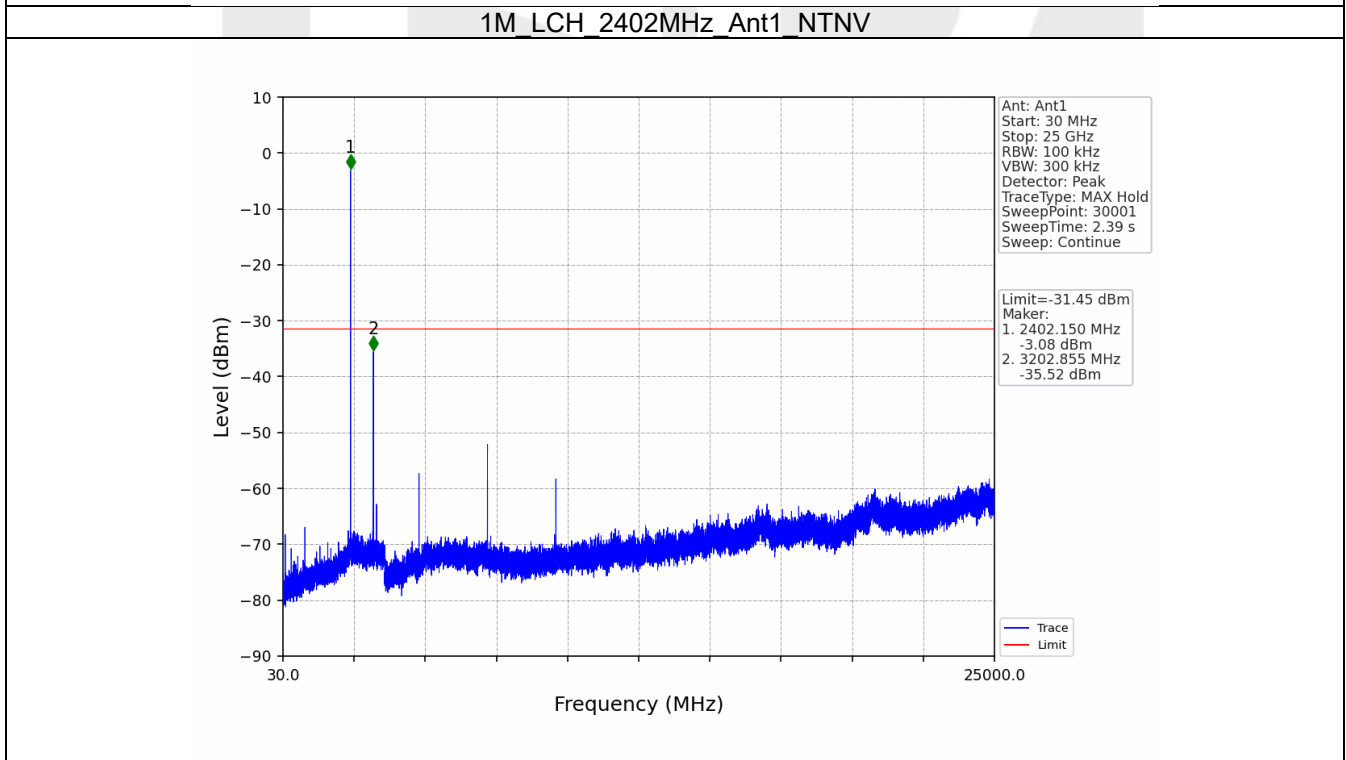
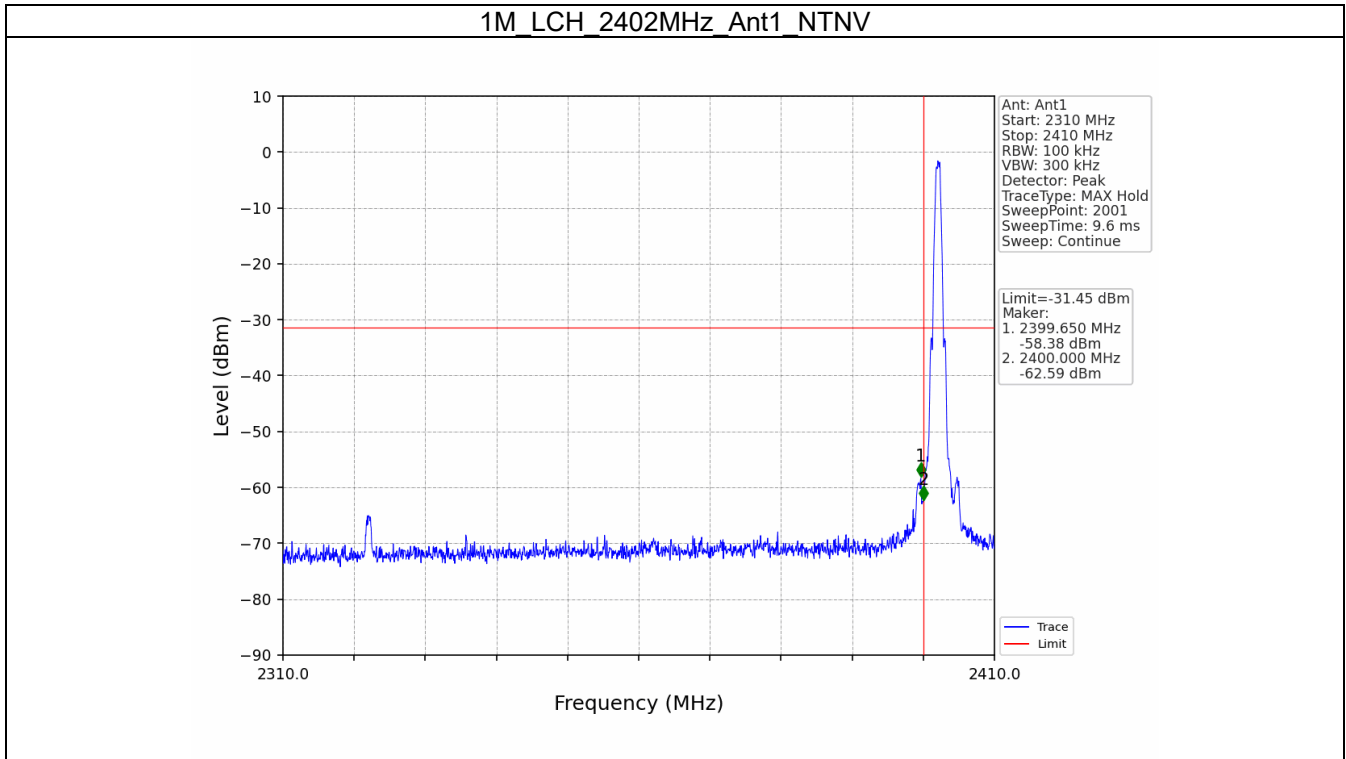
## 5.2 CSE

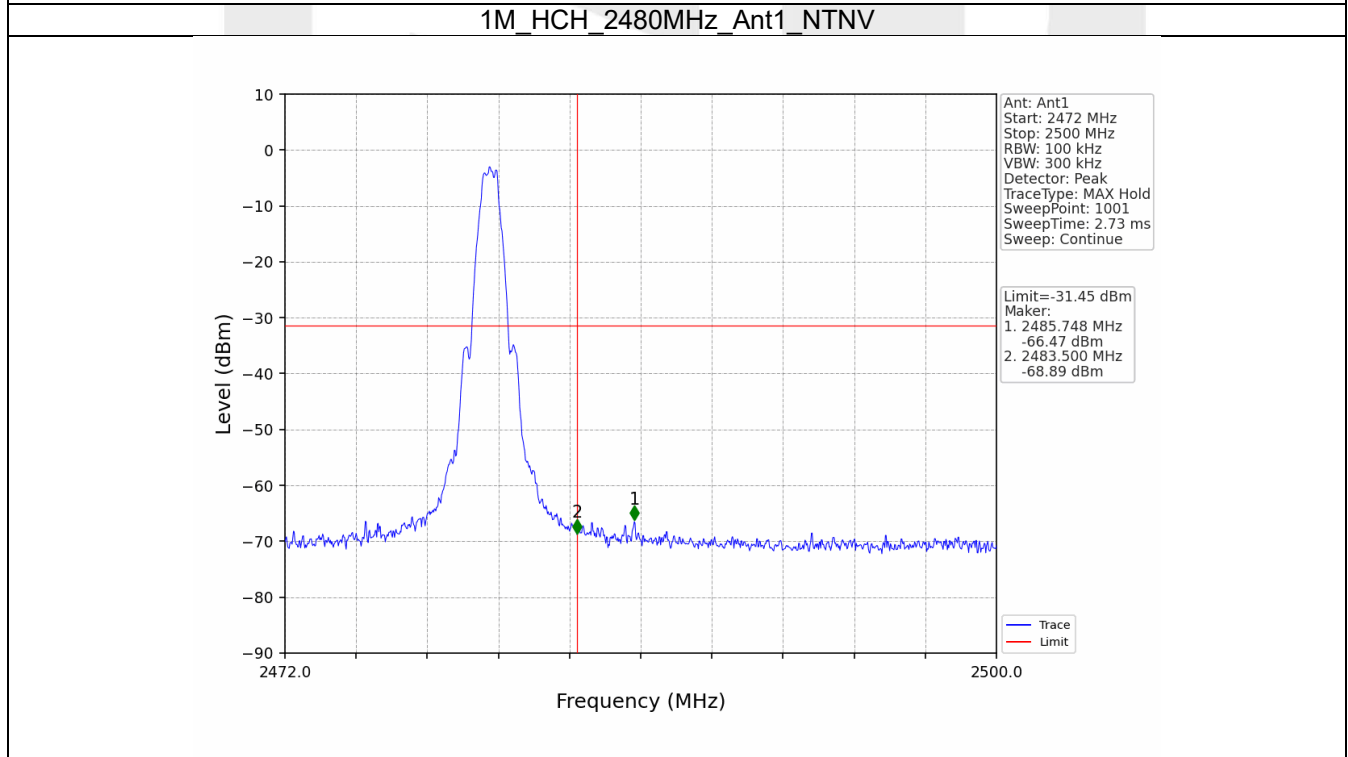
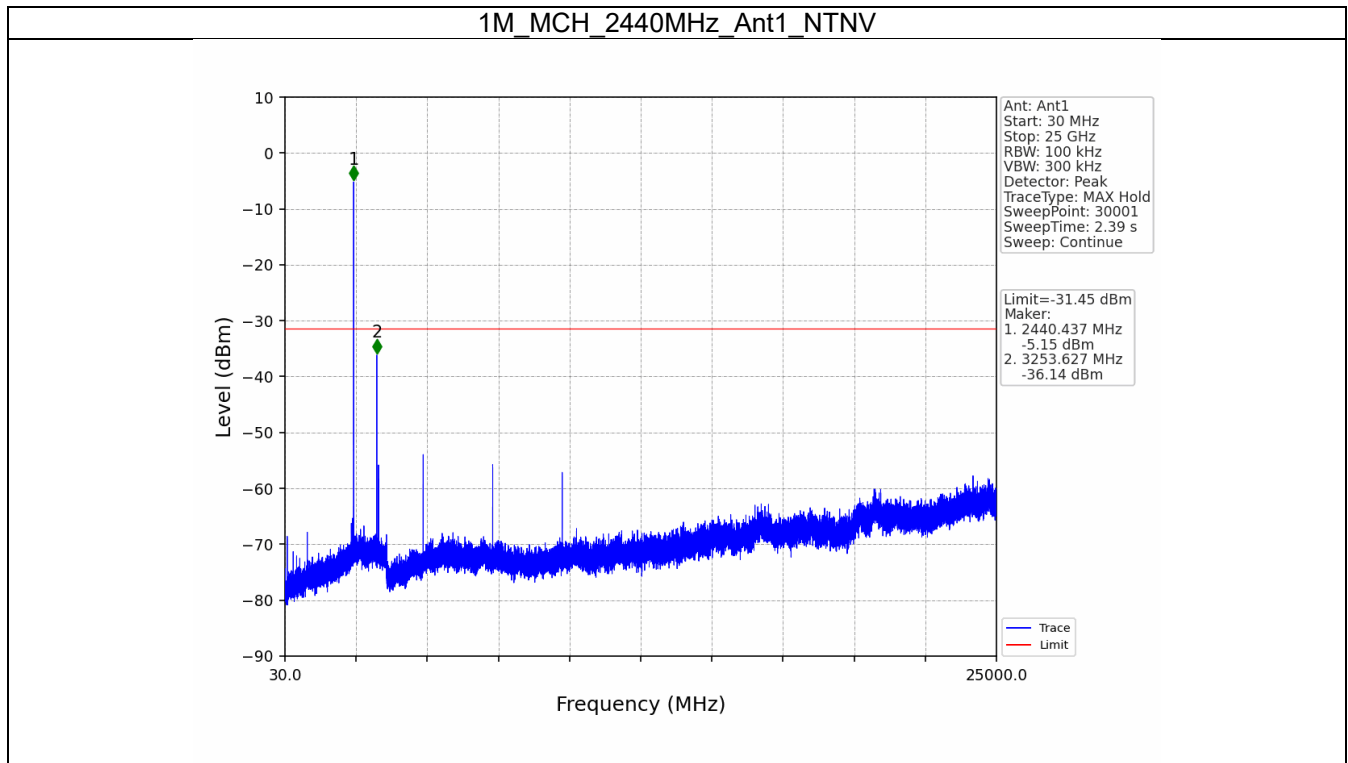
### 5.2.1 Test Result

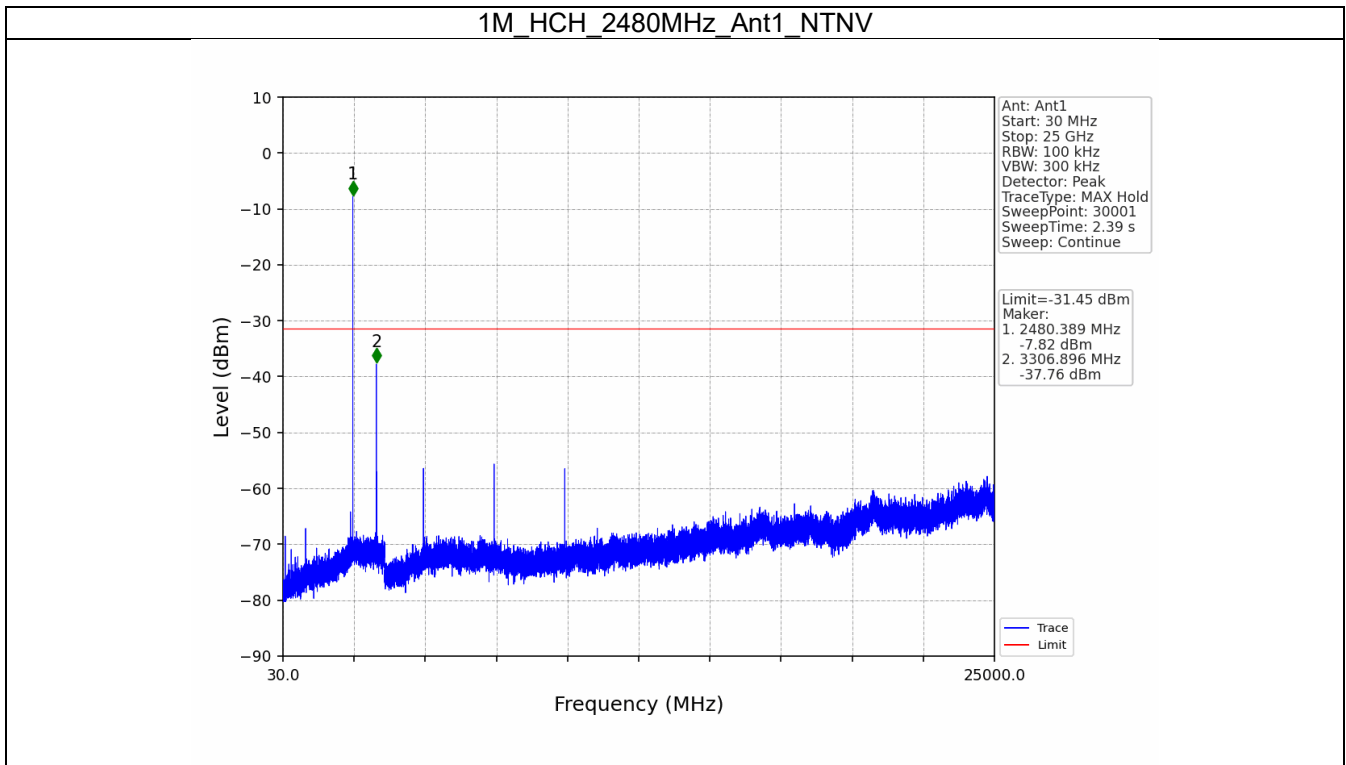
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.45	-31.45	Pass
		2440	1	-1.45	-31.45	Pass
		2480	1	-1.45	-31.45	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						



5.2.2 Test Graph







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