



## Annex for BLE

### Test Report No.: CTL2403012072-WF01

#### TABLE OF CONTENTS

Annex for BLE .....	1
Test Report No.: CTL2403012072-WF01 .....	1
TABLE OF CONTENTS.....	1
1. Bandwidth.....	2
1.1 OBW.....	2
1.1.1 Test Result .....	2
1.2 6dB BW .....	6
1.2.1 Test Result .....	6
2. Maximum Conducted Output Power .....	10
2.1 Power .....	10
2.1.1 Test Result .....	10
3. Maximum Power Spectral Density .....	14
3.1 PSD.....	14
3.1.1 Test Result .....	14
4. Unwanted Emissions In Non-restricted Frequency Bands.....	18
4.1 Ref.....	18
4.1.1 Test Result .....	18
4.2 CSE .....	22
4.2.1 Test Result .....	22

FCCID: 2AU4P-BTS163

## 1. Bandwidth

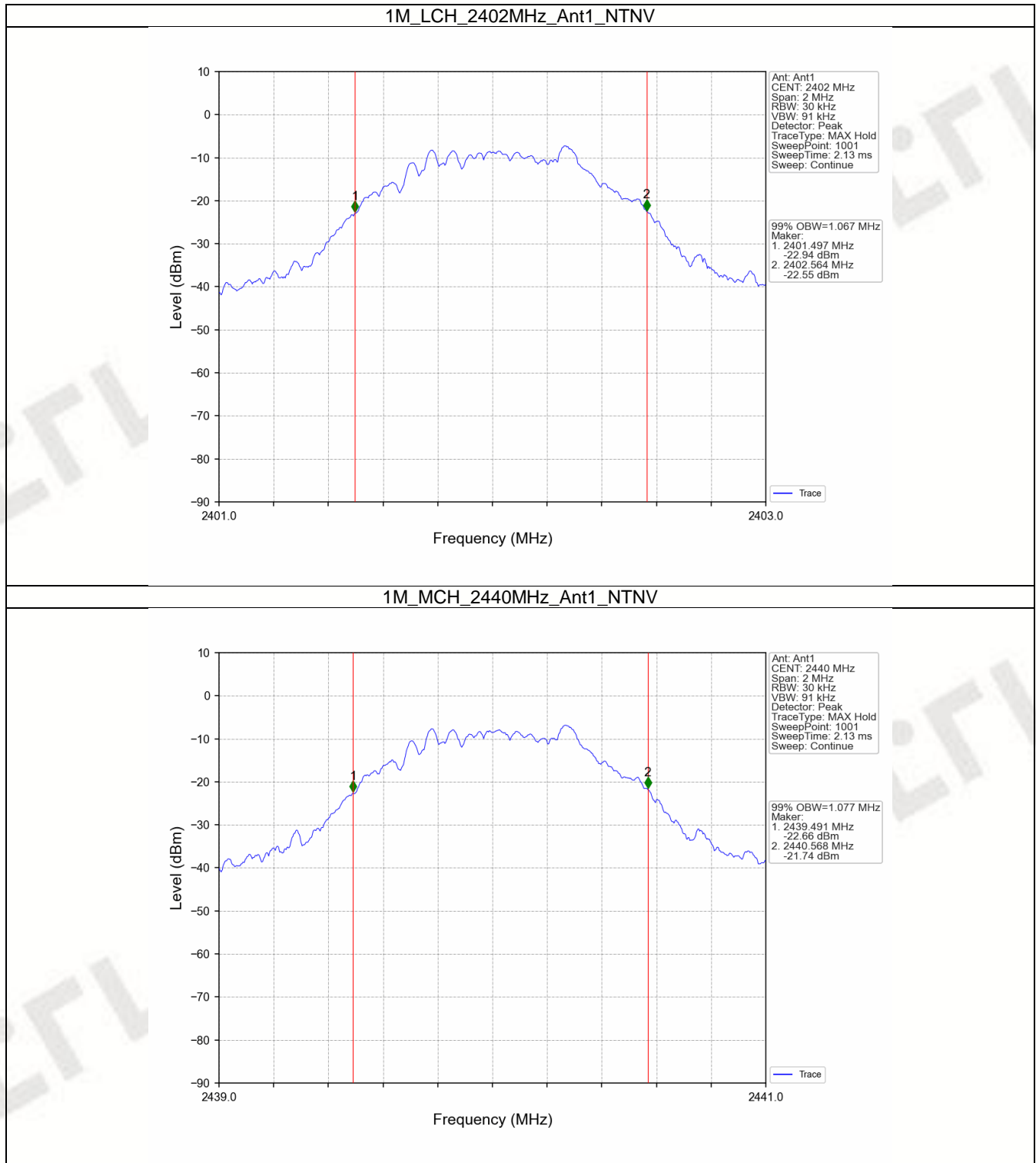
### 1.1 OBW

#### 1.1.1 Test Result

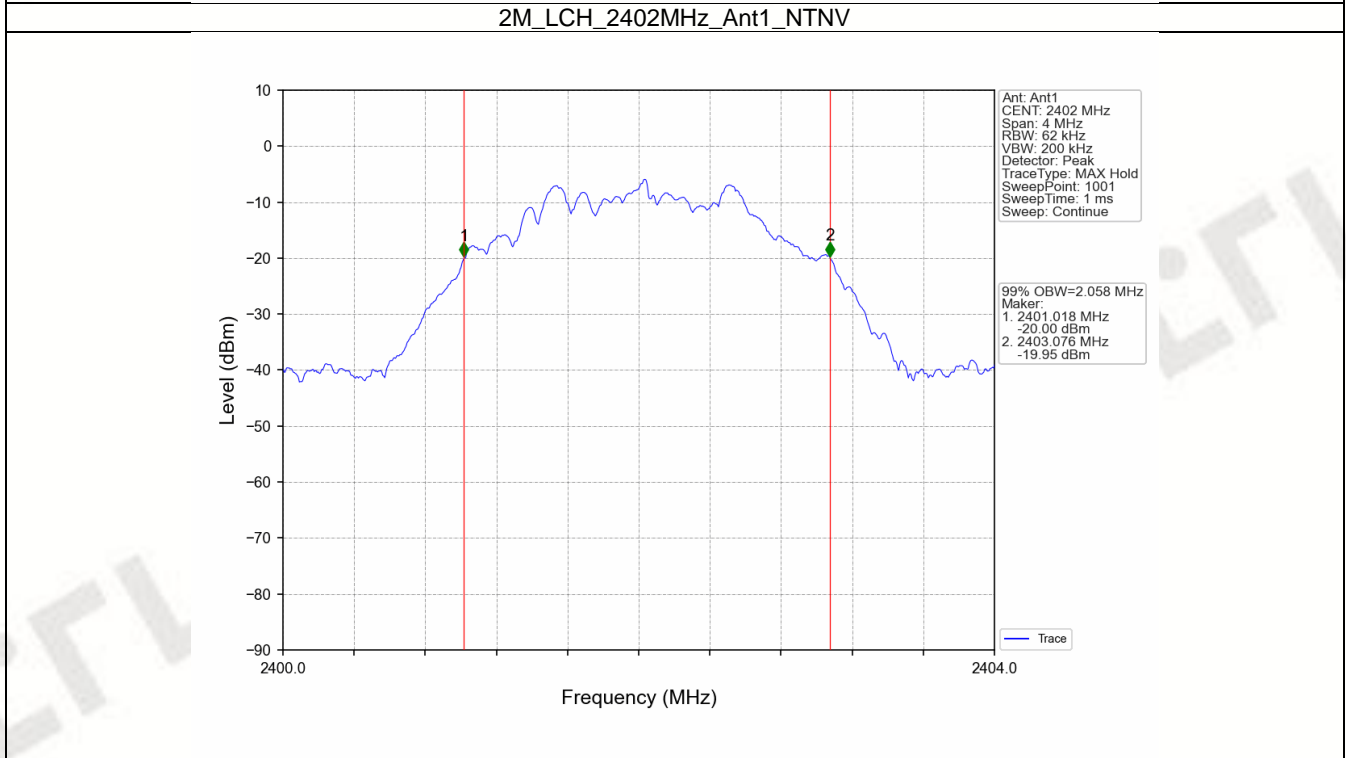
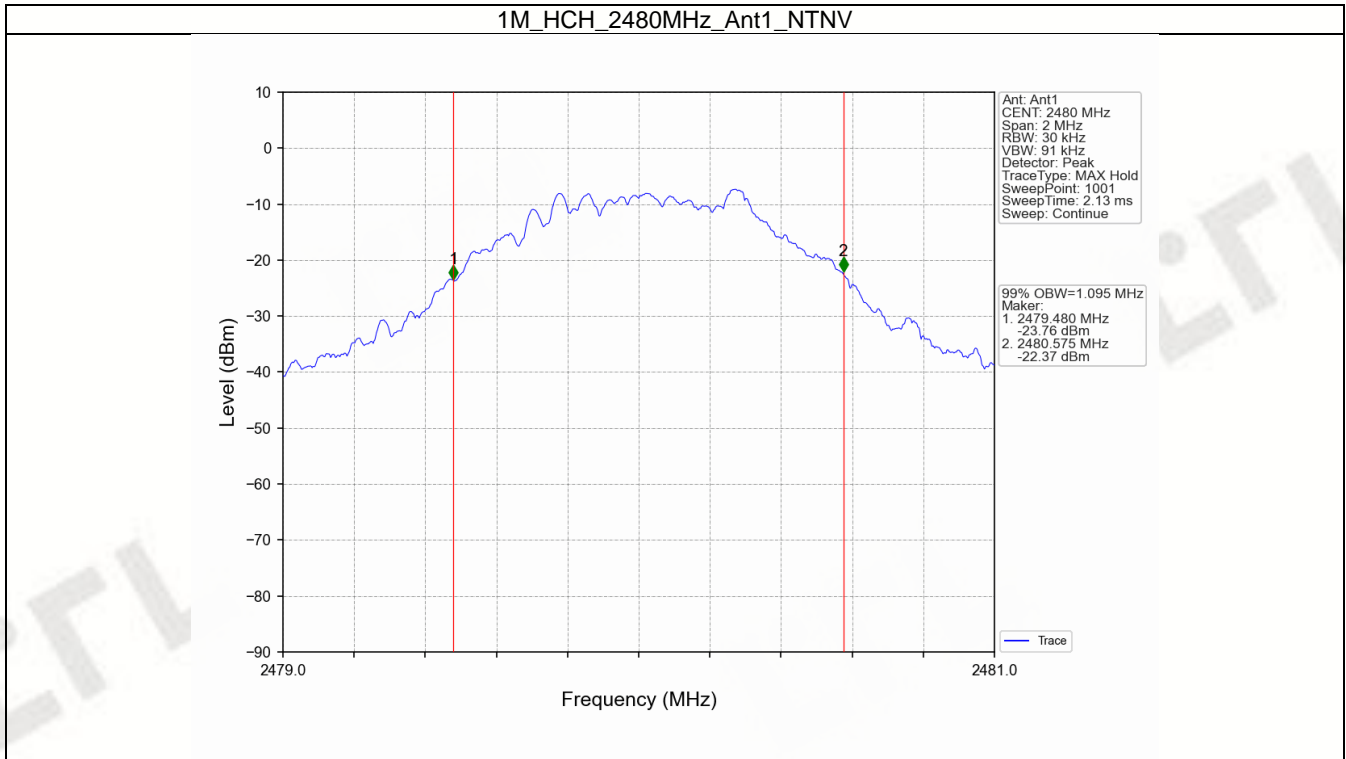
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.067	/	Pass
		2440	1	1.077	/	Pass
		2480	1	1.095	/	Pass
2M	SISO	2402	1	2.058	/	Pass
		2440	1	2.054	/	Pass
		2480	1	2.056	/	Pass

FCCID: 2AU4P-BTS163

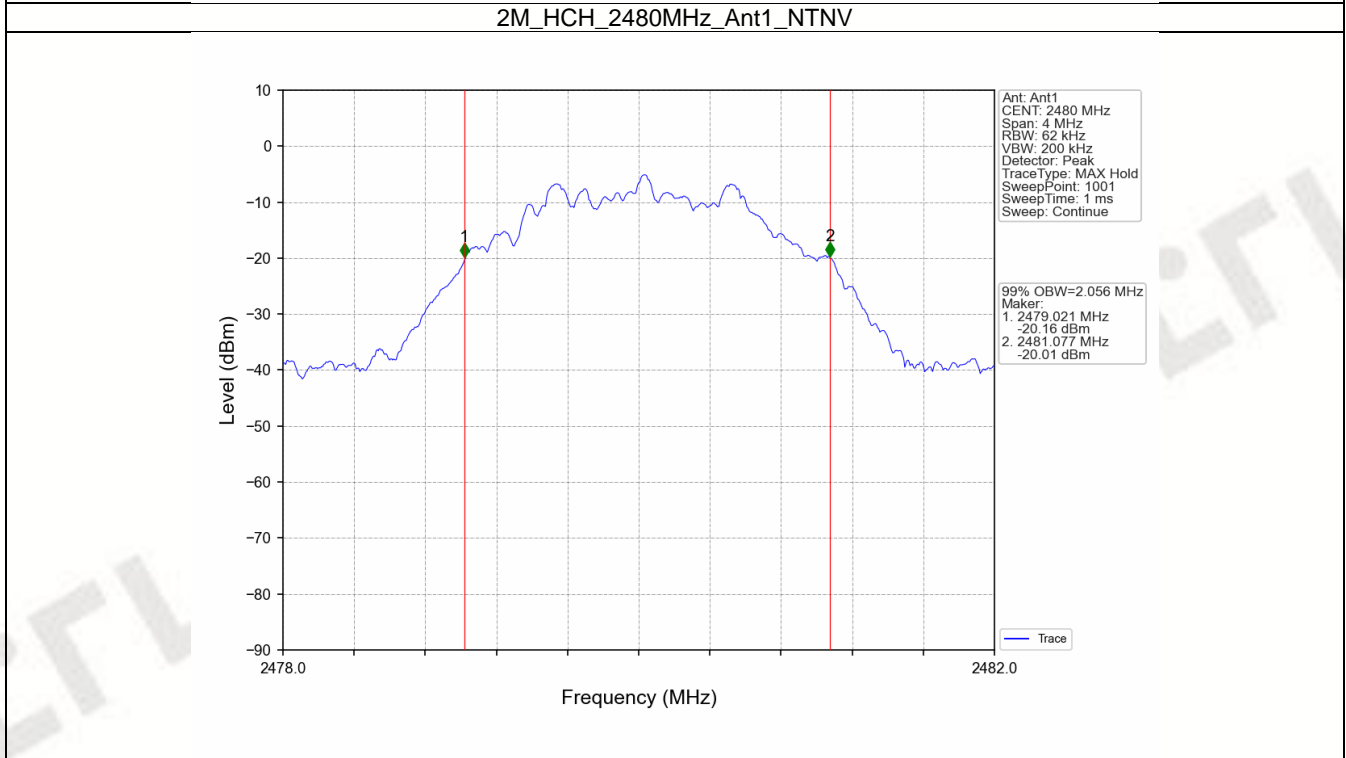
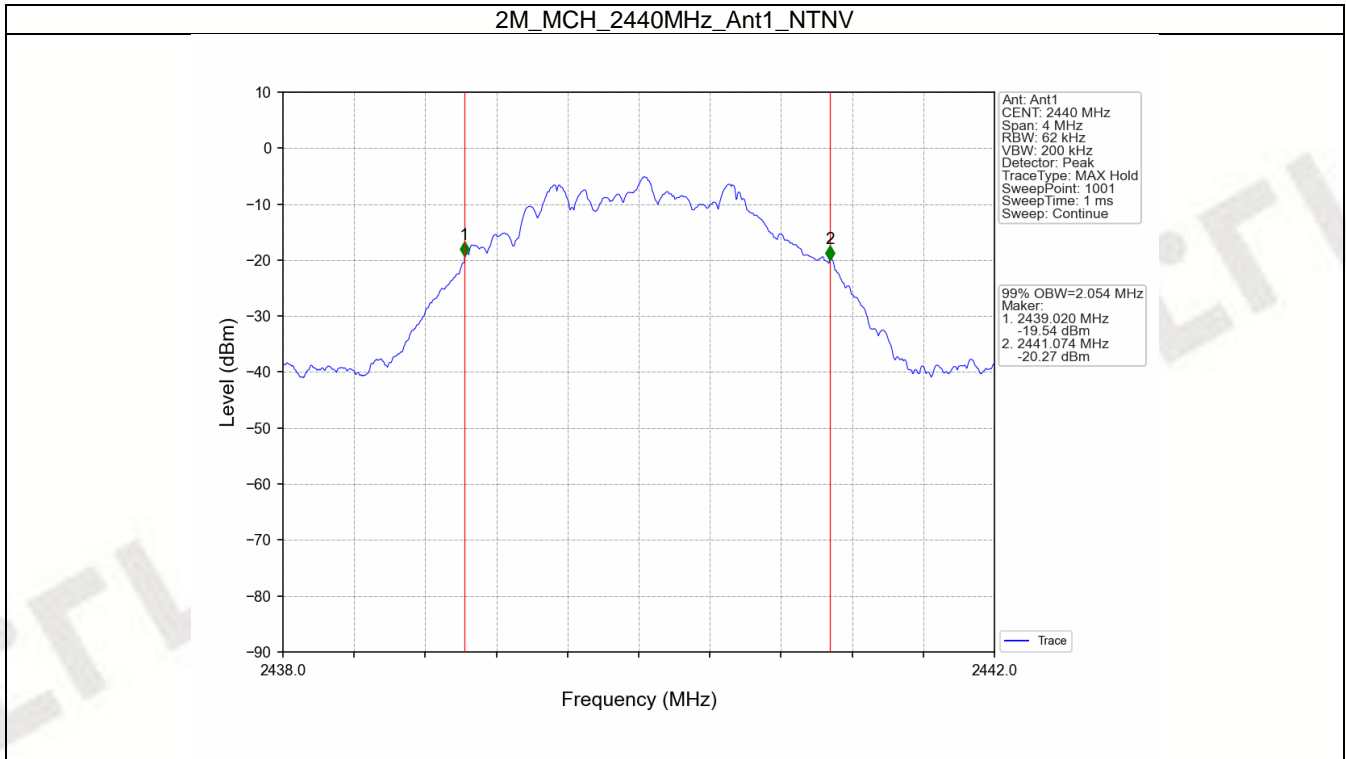
1.1.2 Test Graph



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163

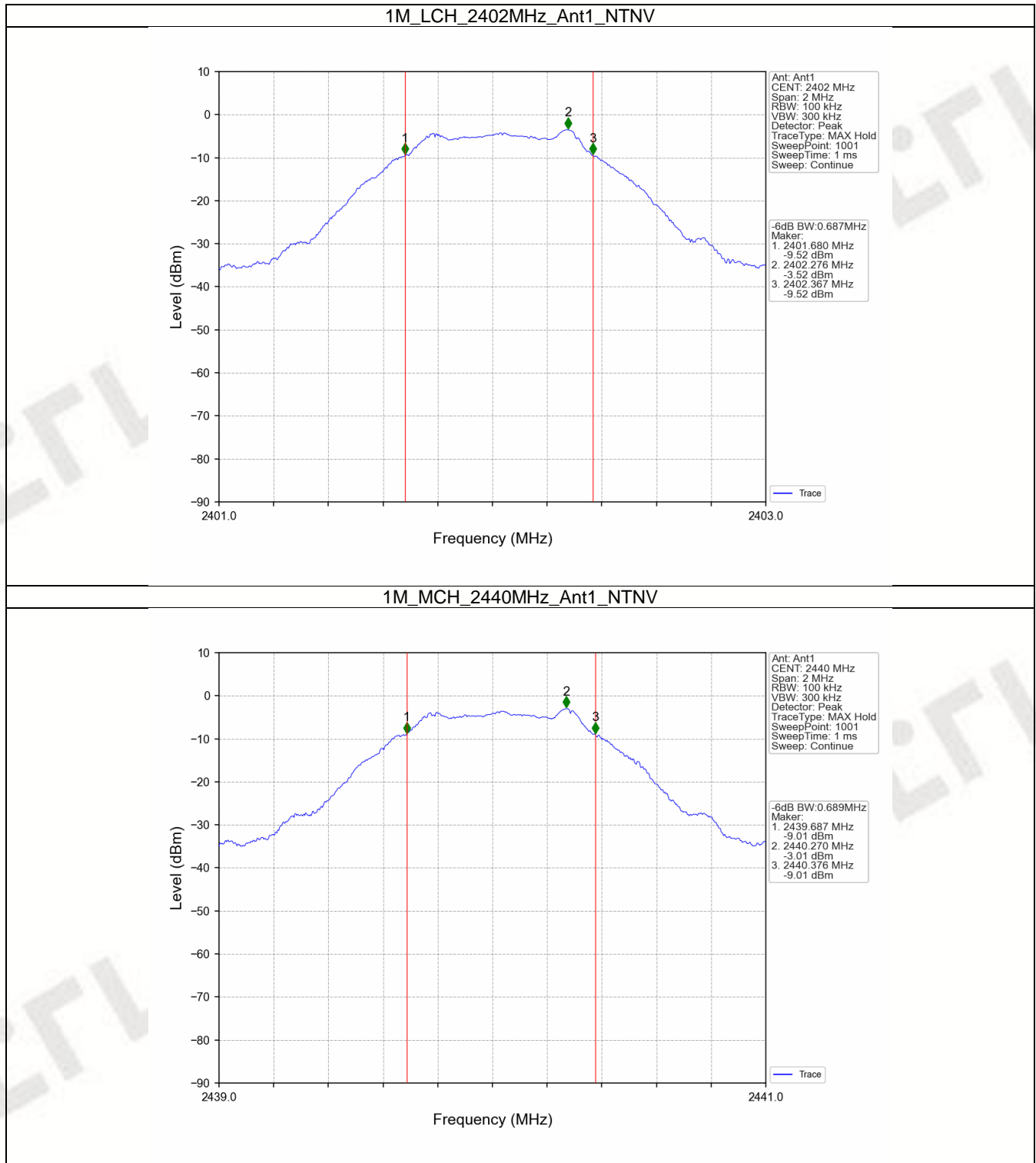
## 1.2 6dB BW

### 1.2.1 Test Result

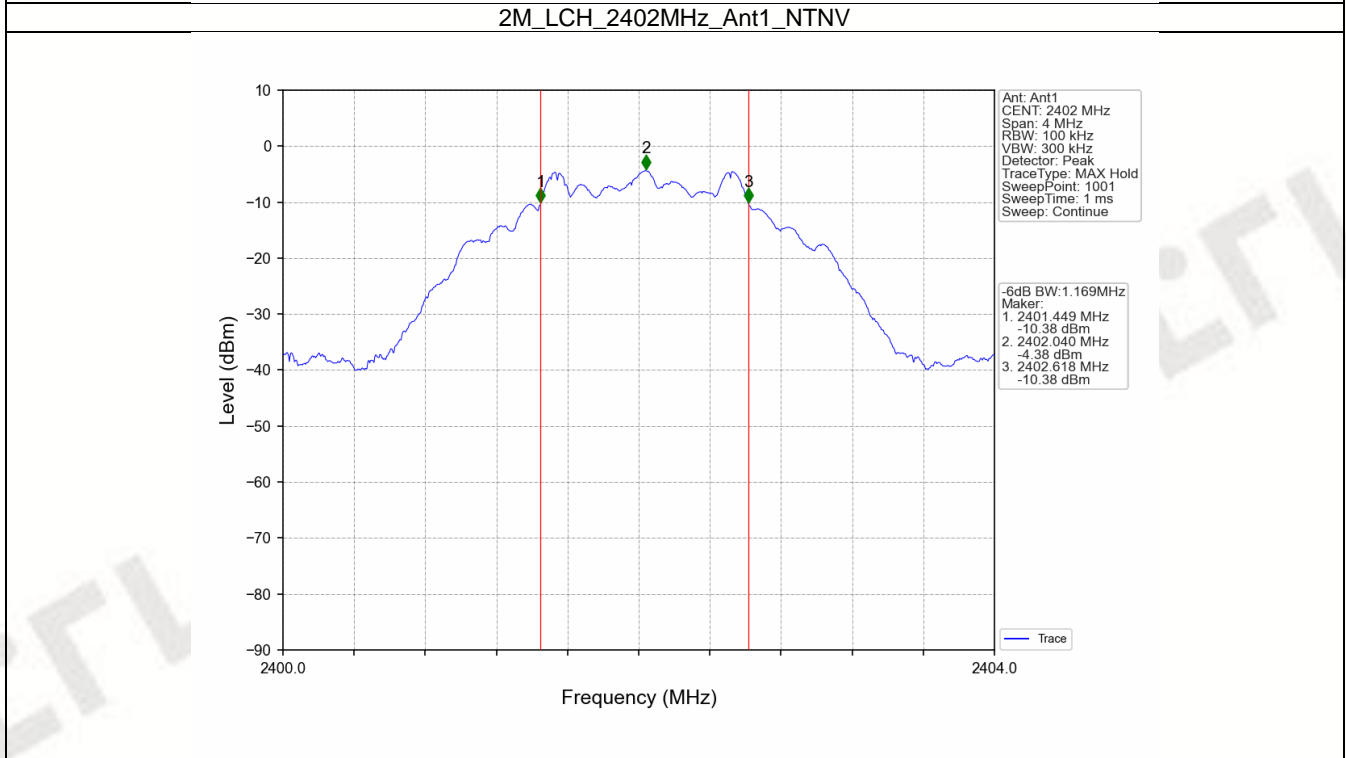
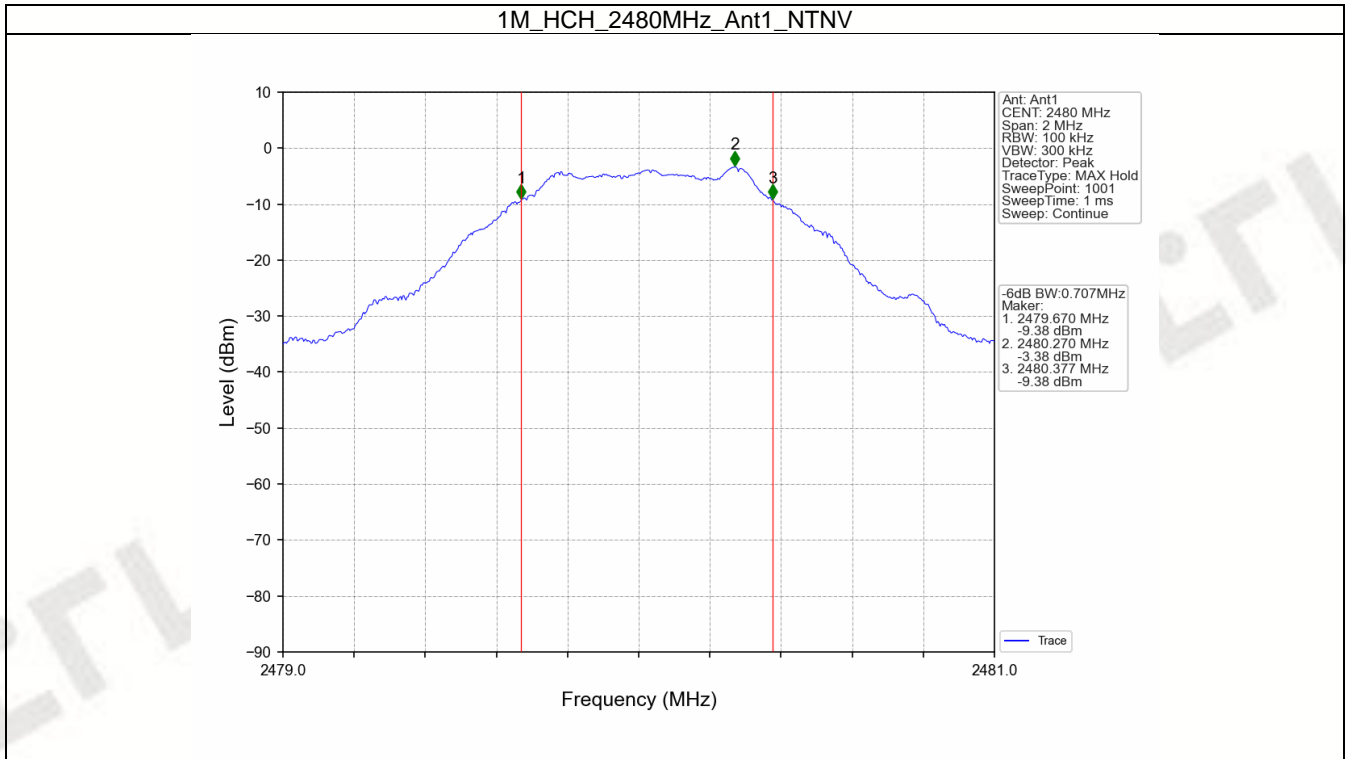
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.687	$\geq 0.5$	Pass
		2440	1	0.689	$\geq 0.5$	Pass
		2480	1	0.707	$\geq 0.5$	Pass
2M	SISO	2402	1	1.169	$\geq 0.5$	Pass
		2440	1	1.175	$\geq 0.5$	Pass
		2480	1	1.165	$\geq 0.5$	Pass

FCCID: 2AU4P-BTS163

### 1.2.2 Test Graph

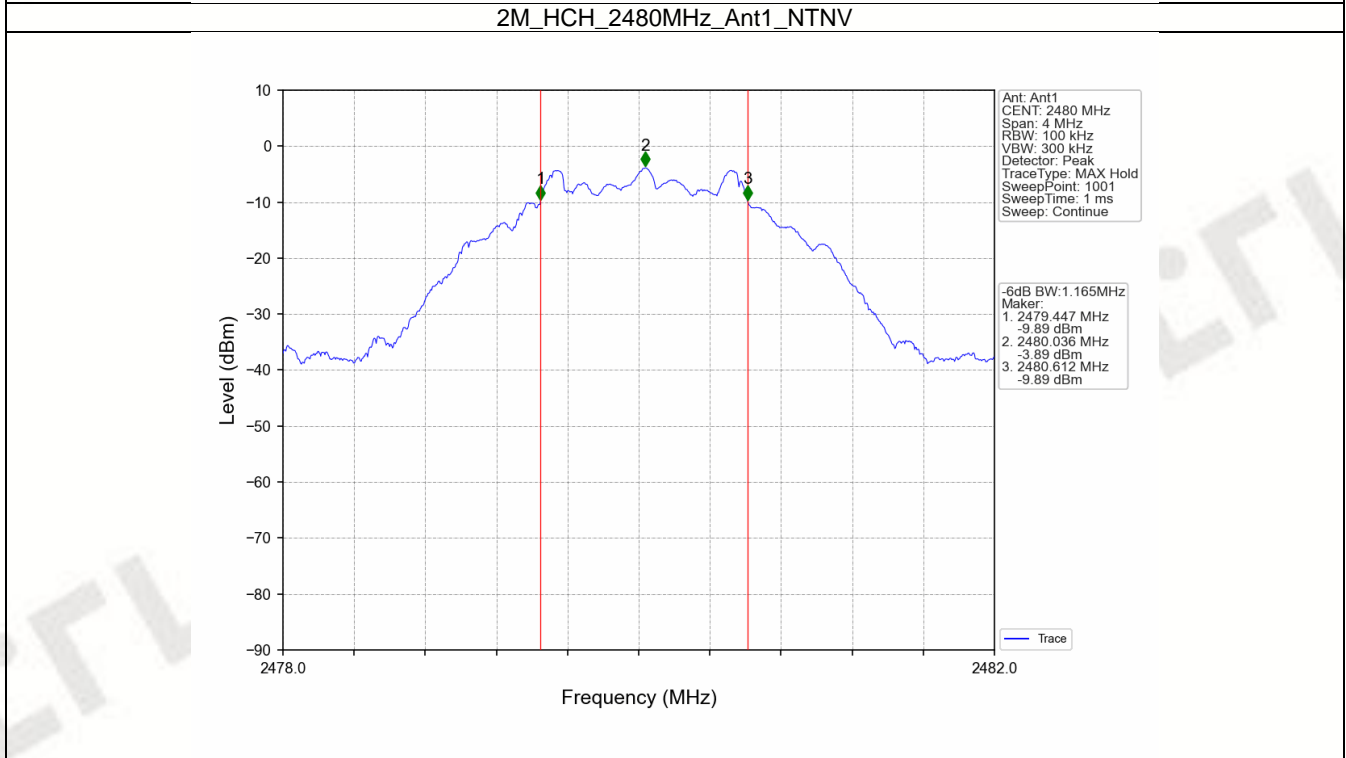
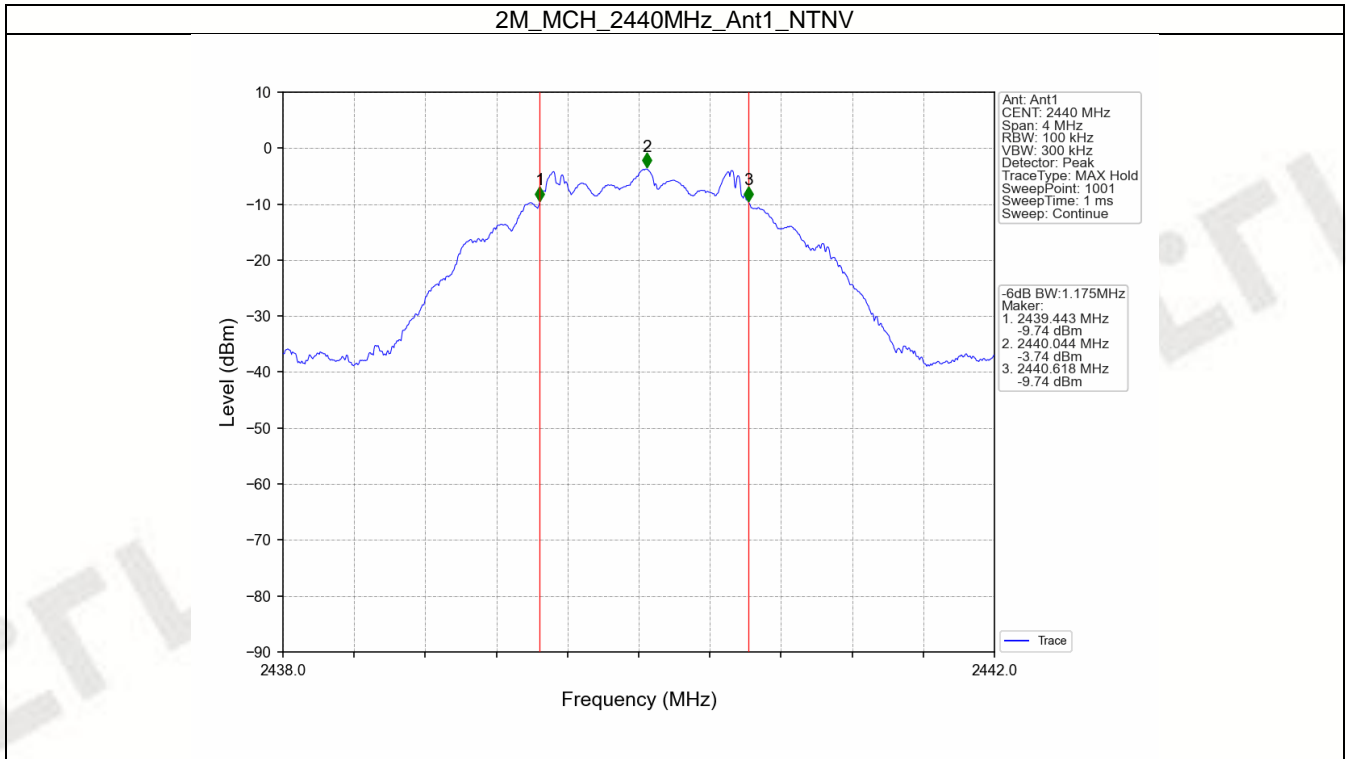


FCCID: 2AU4P-BTS163





FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163

## 2. Maximum Conducted Output Power

### 2.1 Power

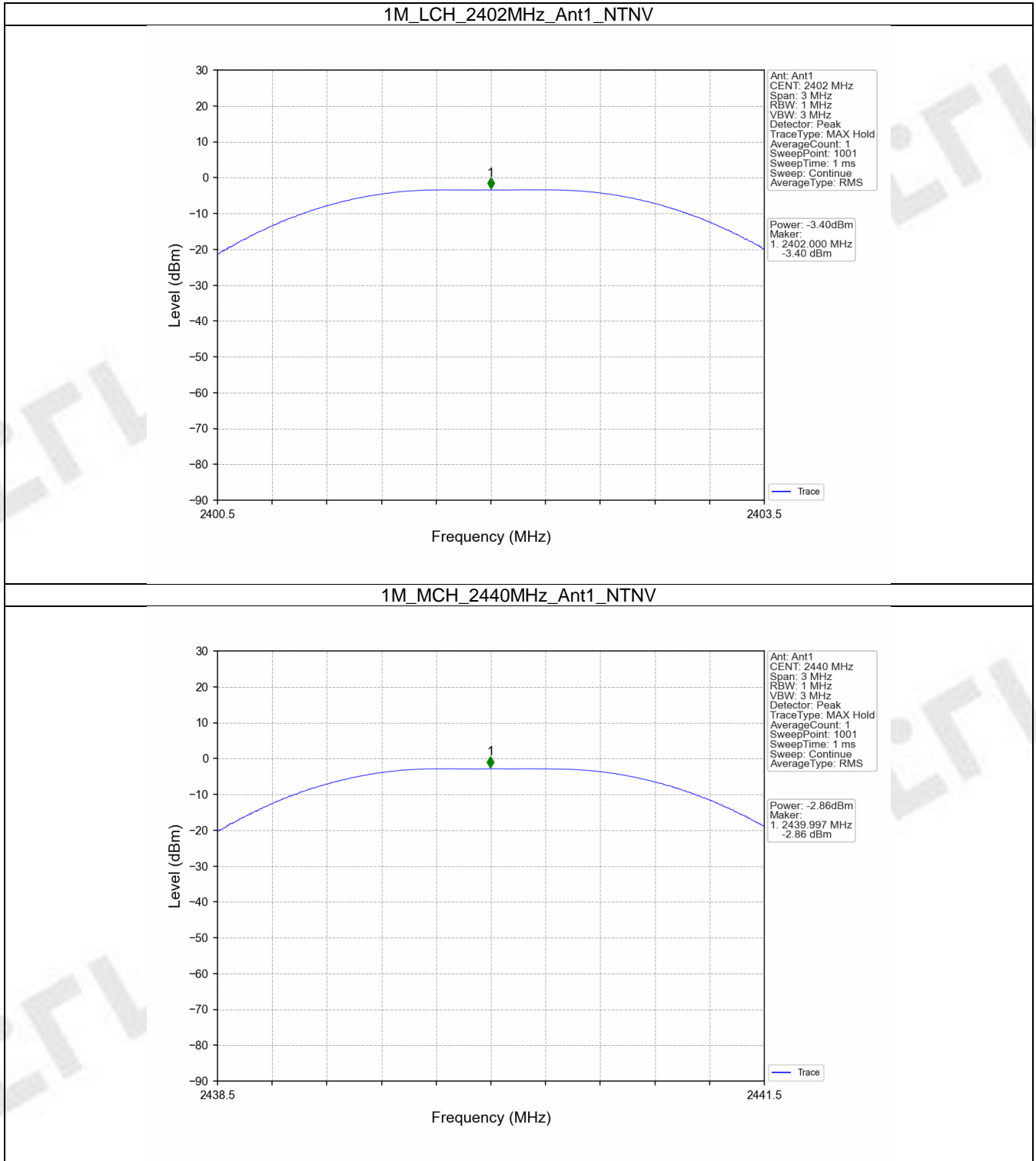
#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-3.40	<=30	Pass
		2440	-2.86	<=30	Pass
		2480	-3.23	<=30	Pass
2M	SISO	2402	-3.36	<=30	Pass
		2440	-2.79	<=30	Pass
		2480	-3.10	<=30	Pass

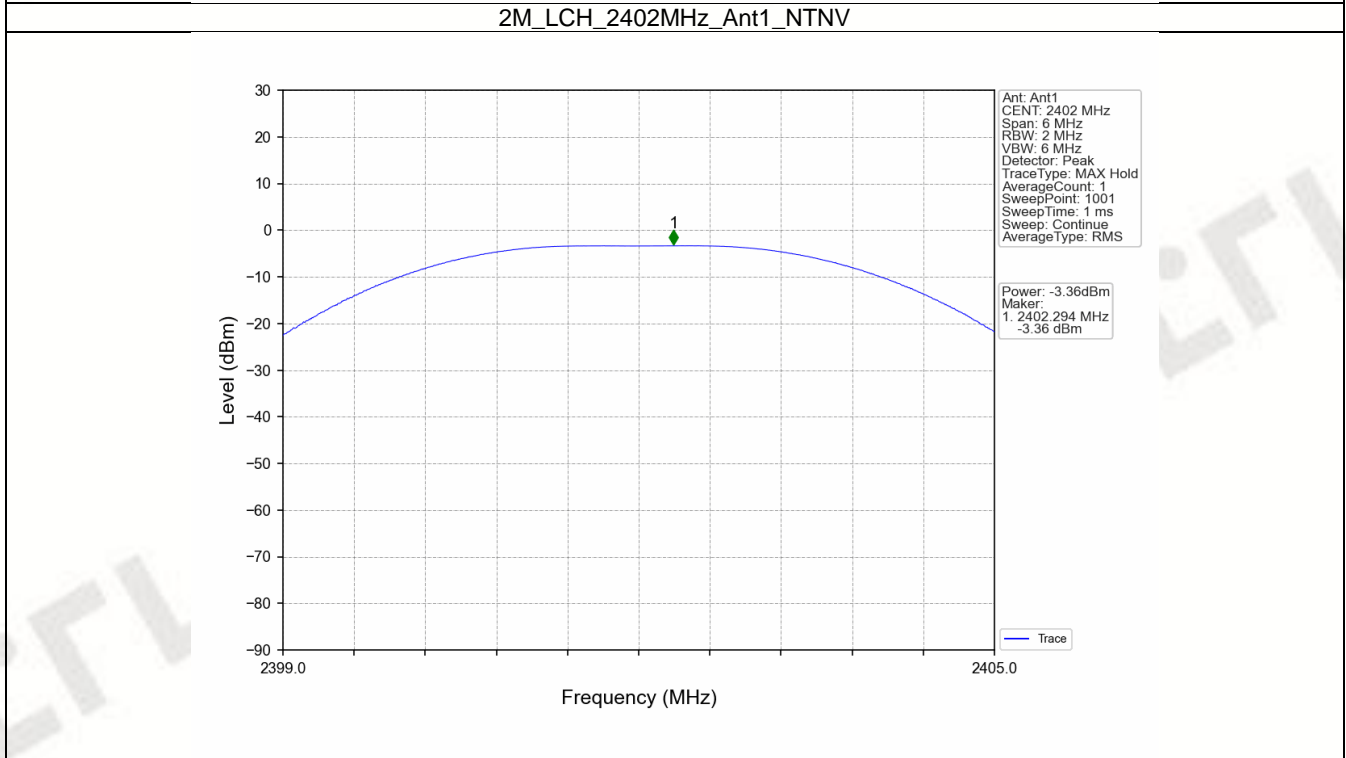
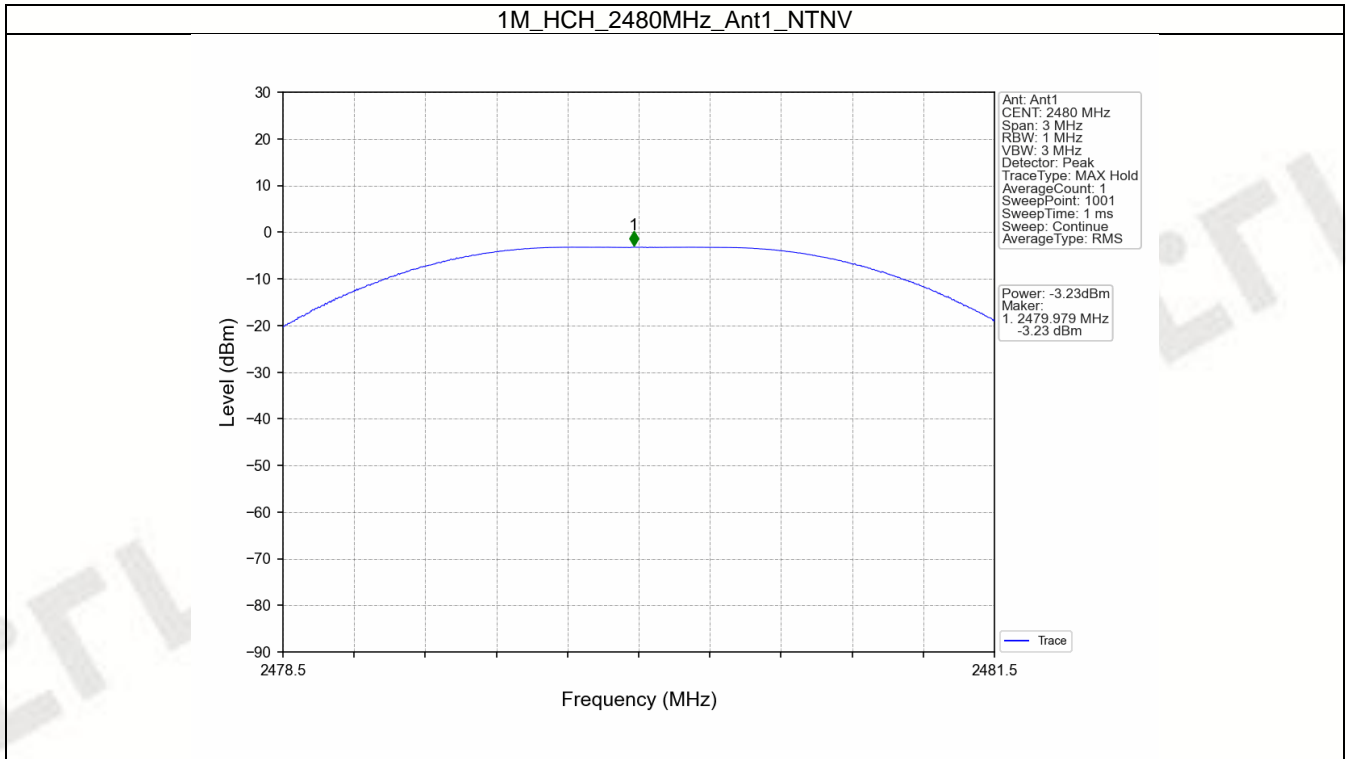
Note1: Antenna Gain: Ant1: -0.58dBi;

FCCID: 2AU4P-BTS163

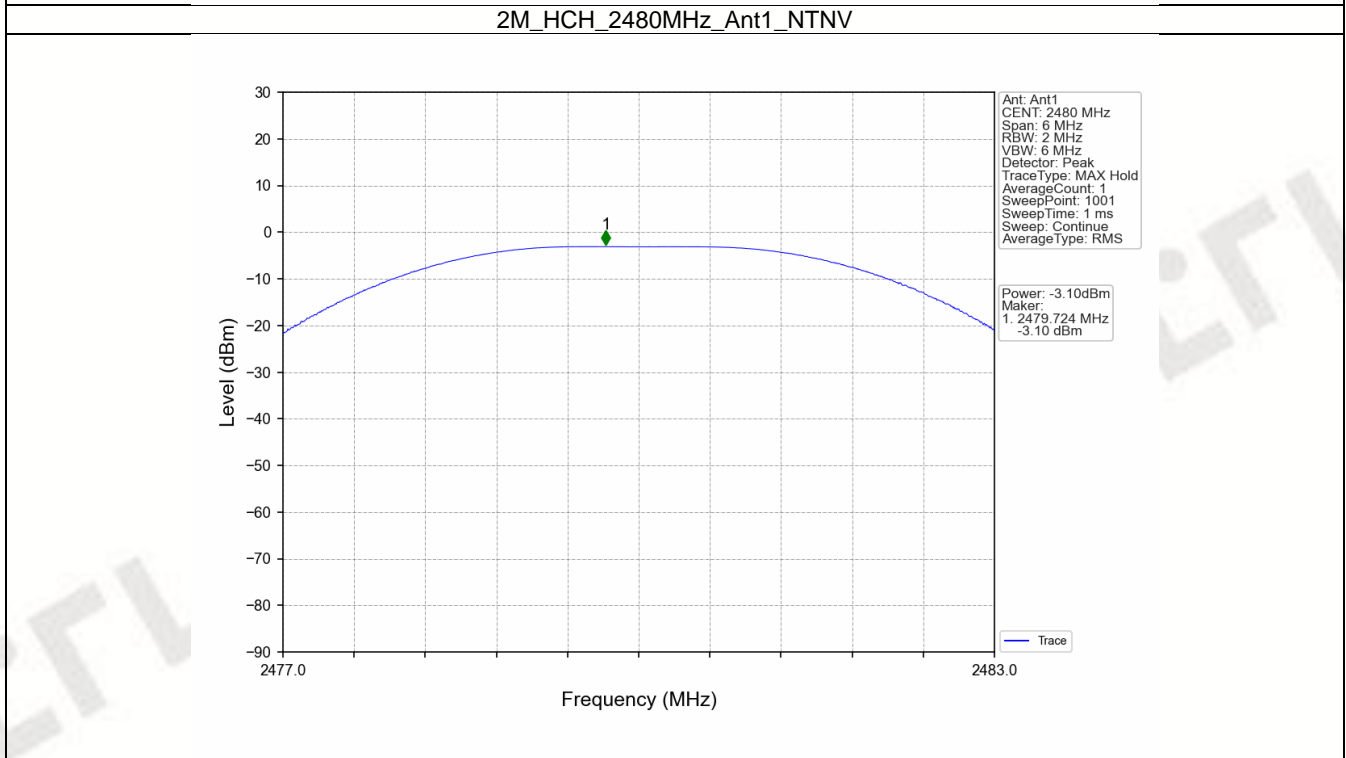
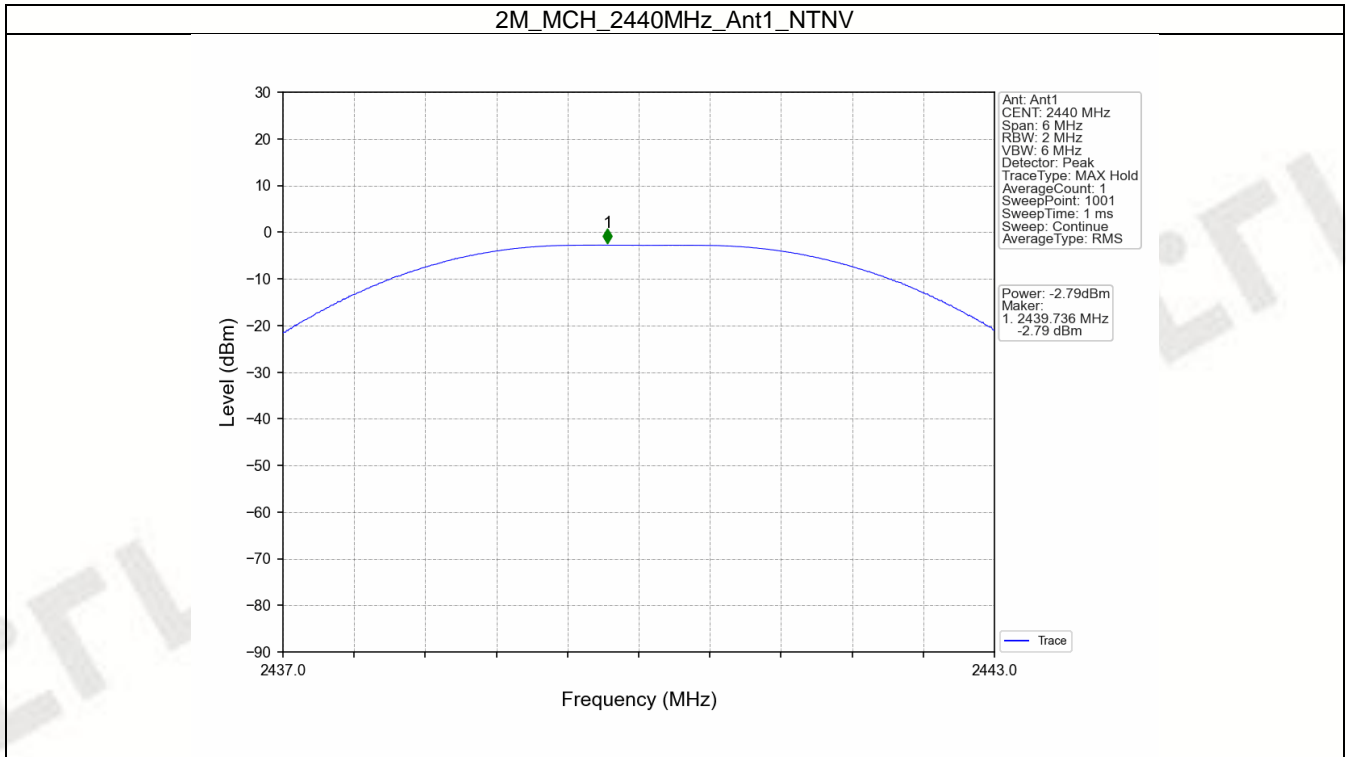
2.1.2 Test Graph



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163

### 3. Maximum Power Spectral Density

#### 3.1 PSD

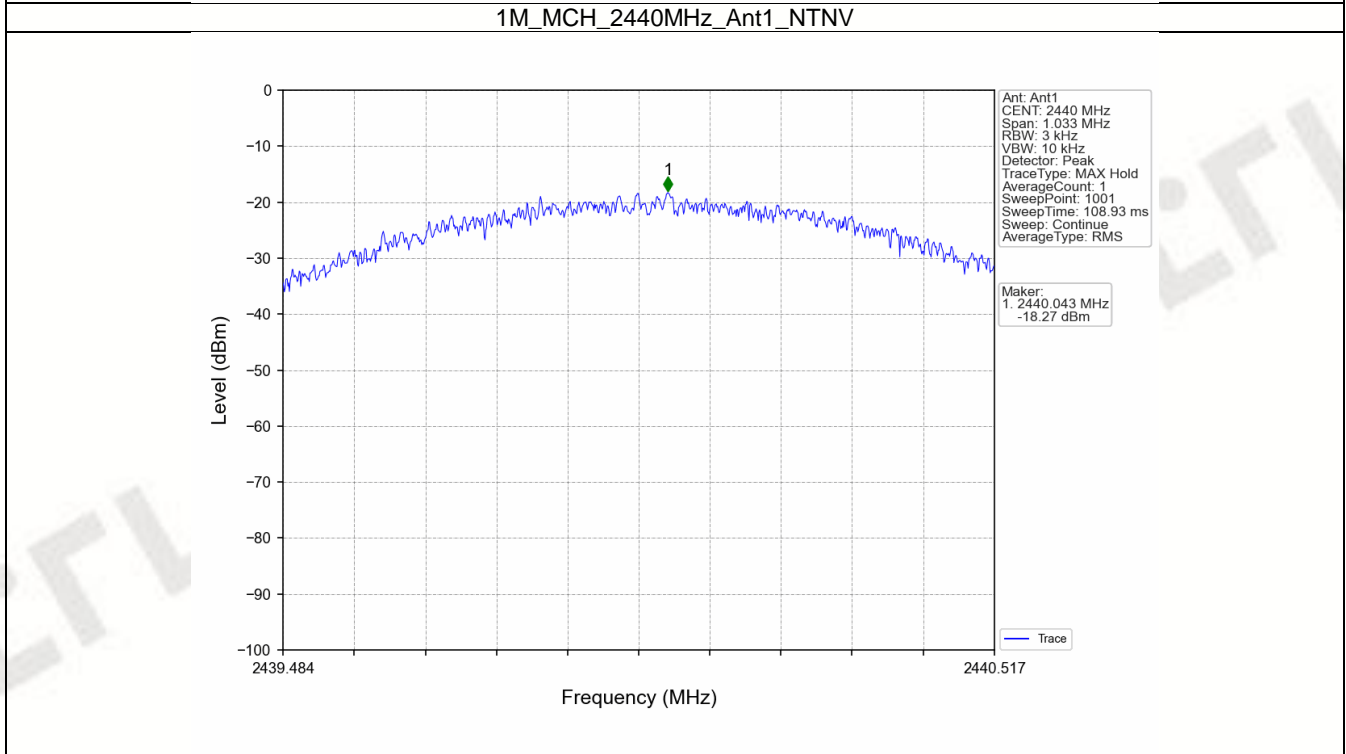
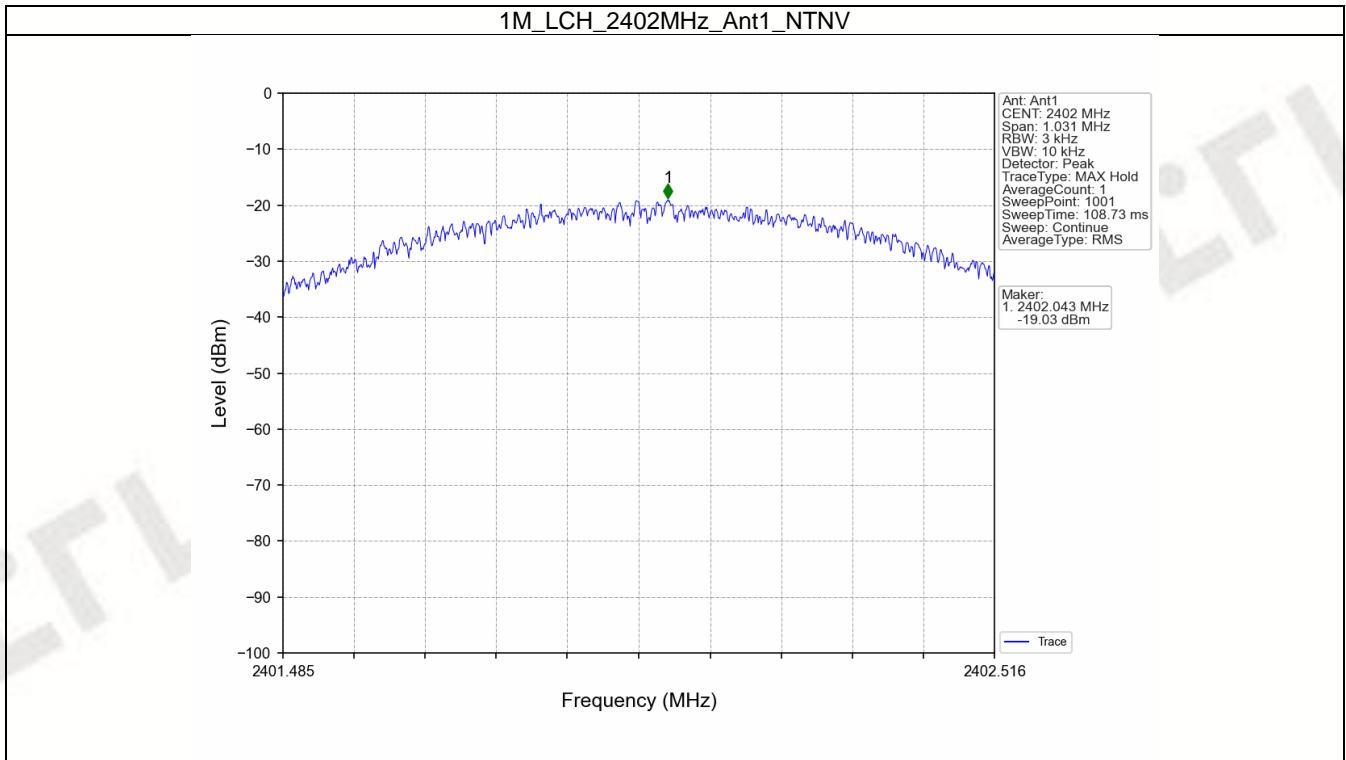
##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-19.03	<=8	Pass
		2440	-18.27	<=8	Pass
		2480	-18.52	<=8	Pass
2M	SISO	2402	-22.79	<=8	Pass
		2440	-21.96	<=8	Pass
		2480	-22.01	<=8	Pass

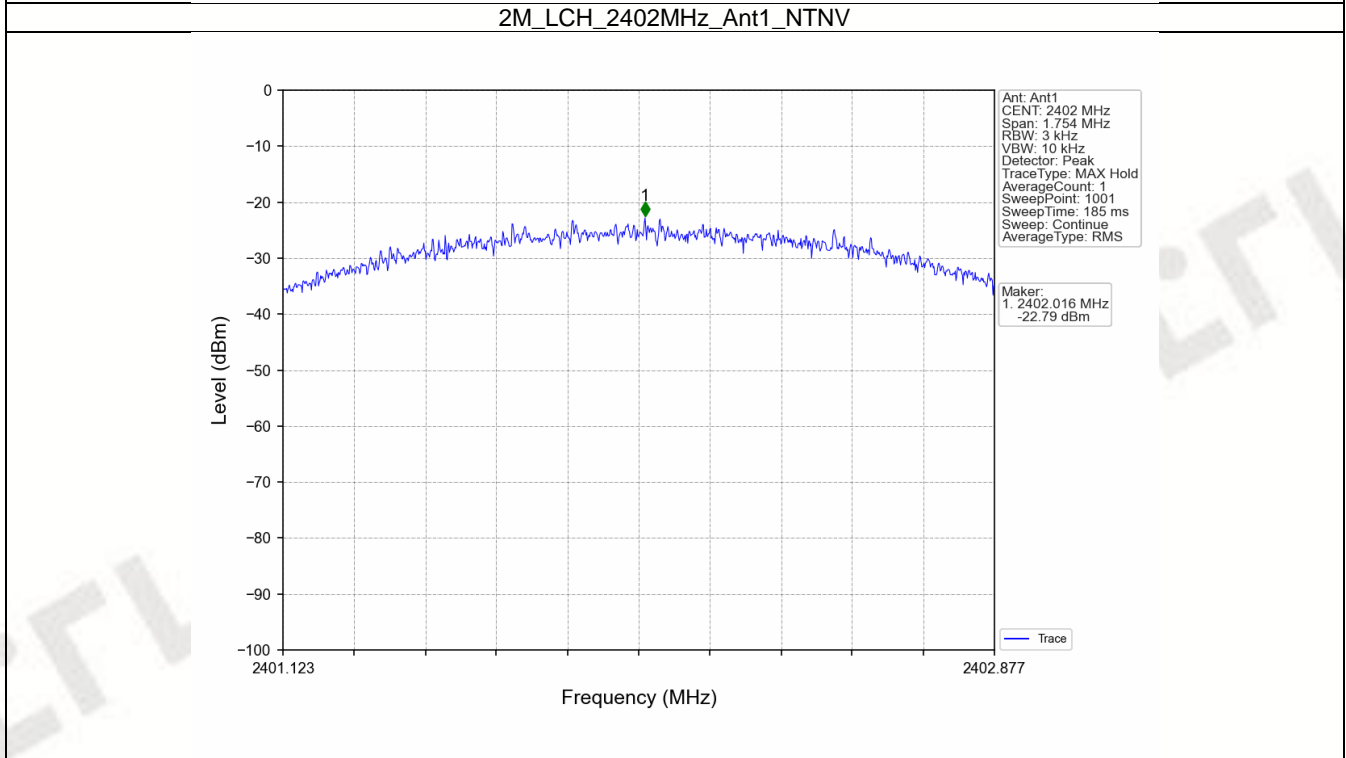
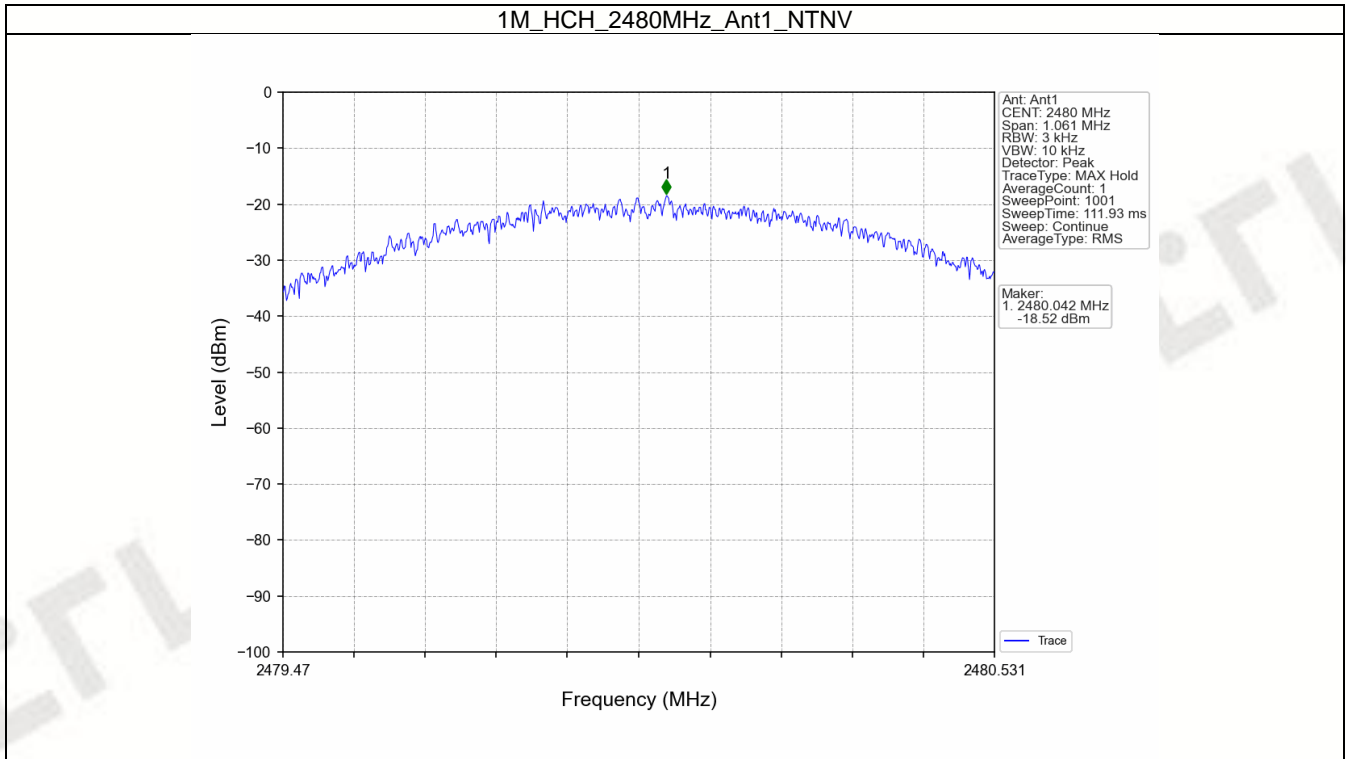
Note1: Antenna Gain: Ant1: -0.58dBi;

FCCID: 2AU4P-BTS163

### 3.1.2 Test Graph

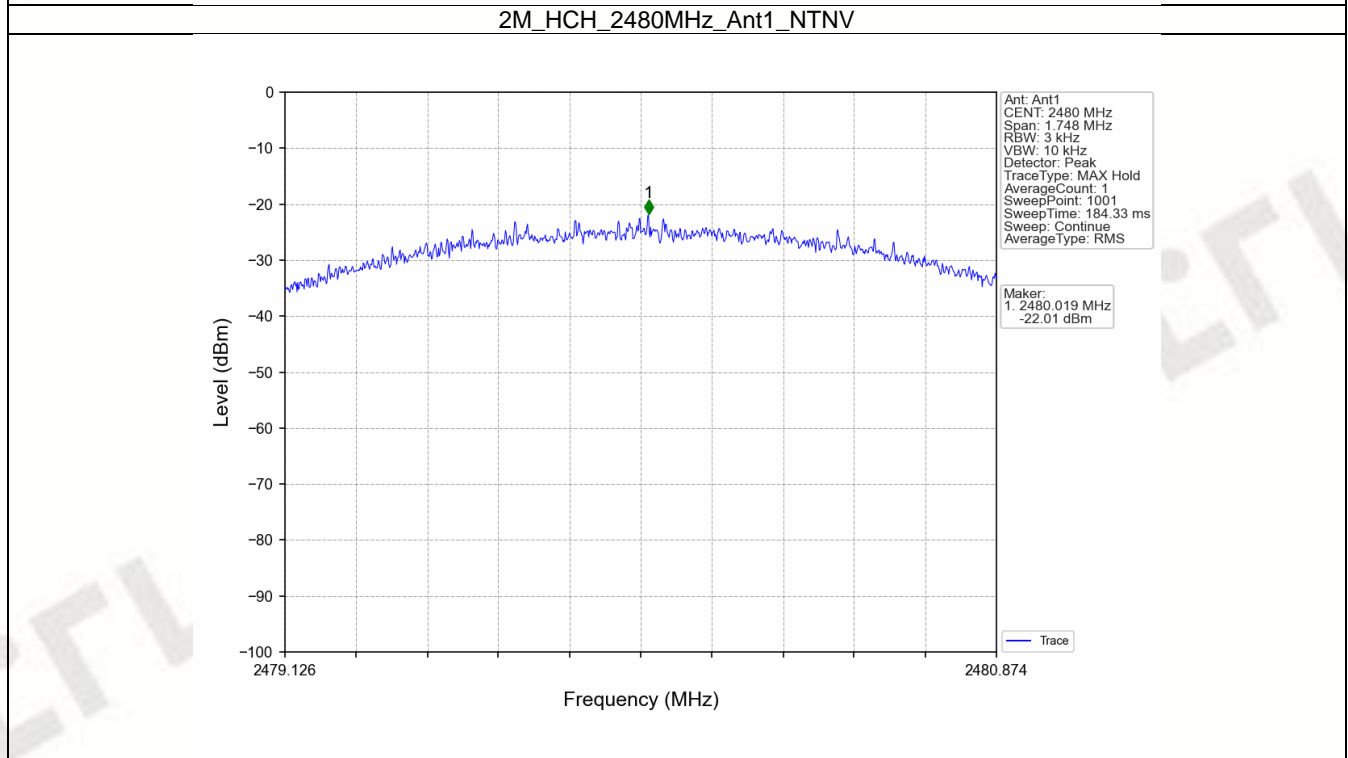
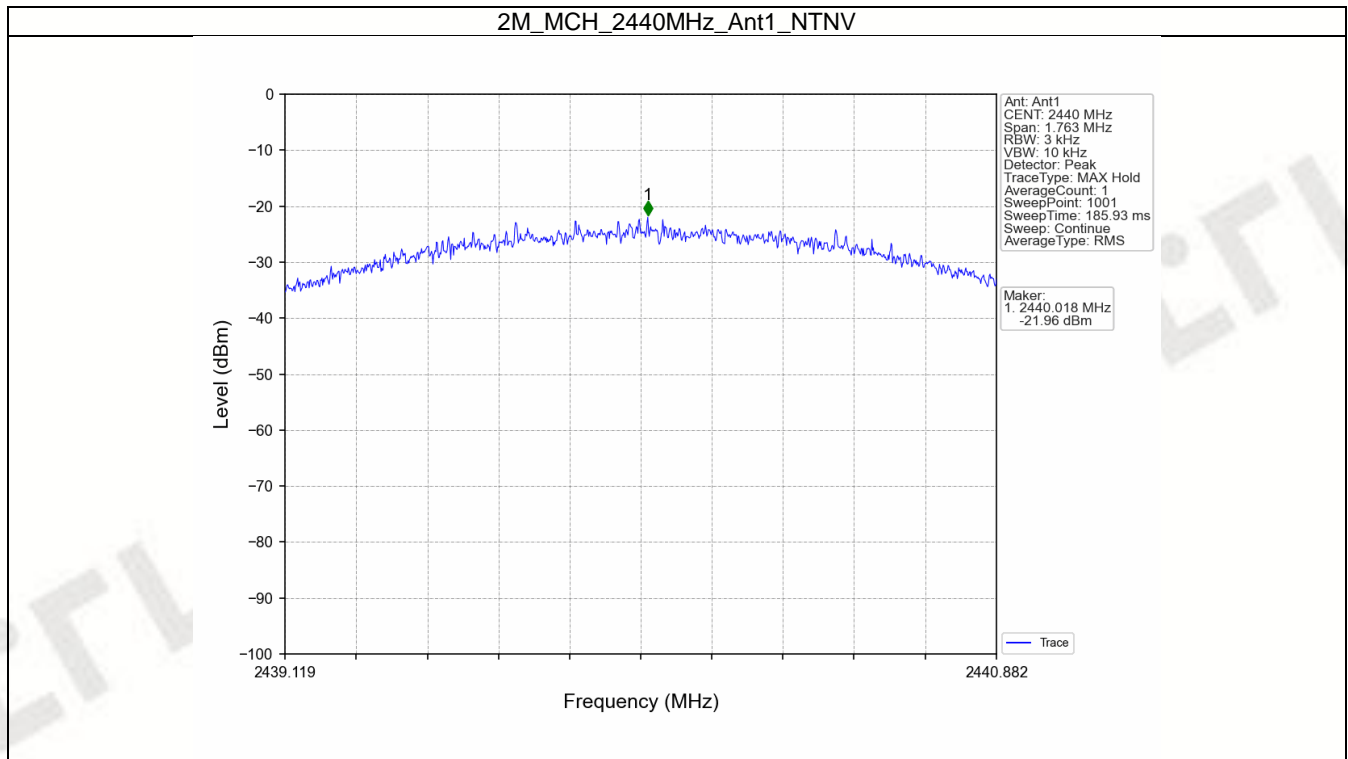


FCCID: 2AU4P-BTS163





FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163

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

### 4.1 Ref

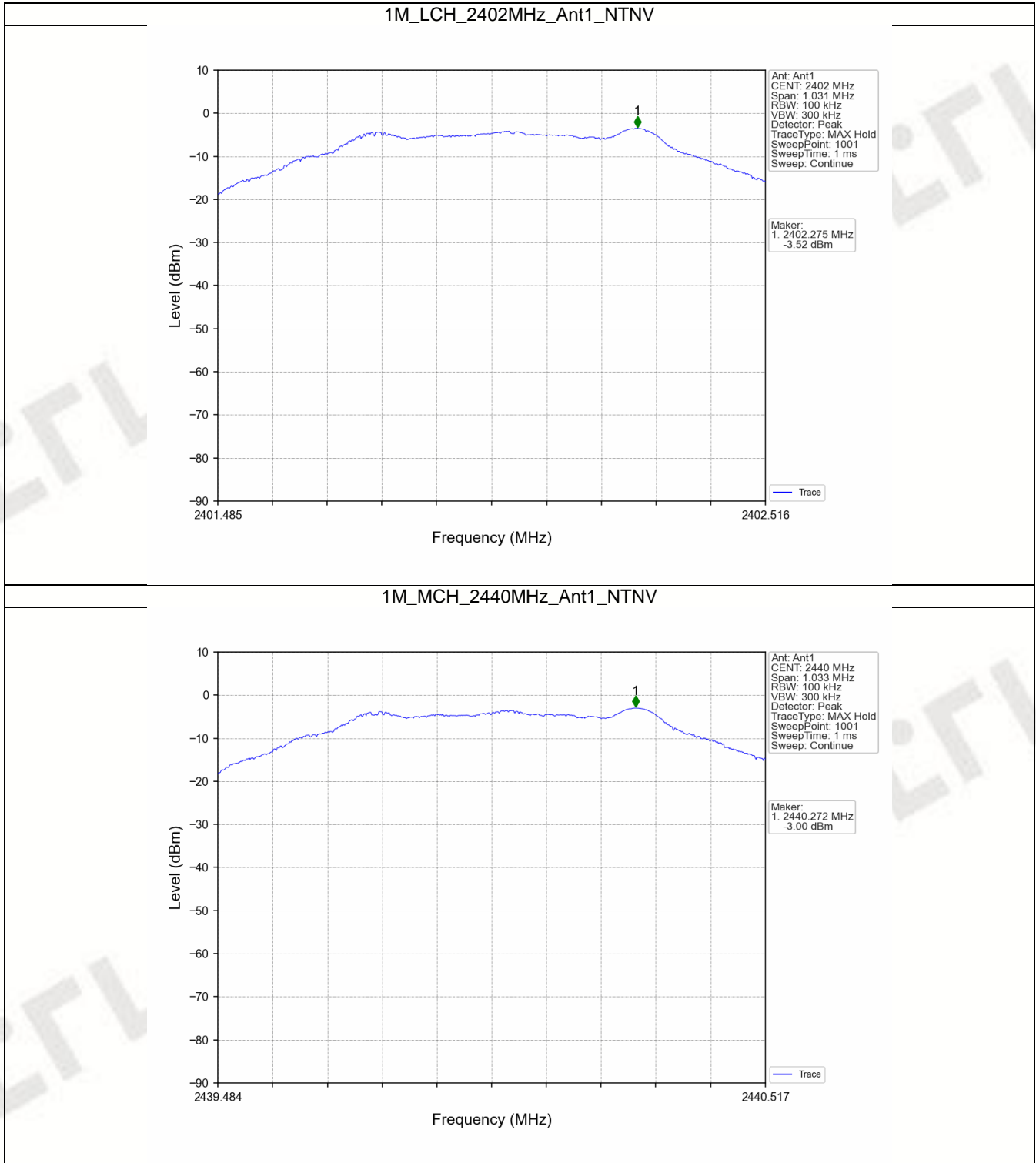
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-3.52
		2440	1	<b>-3.00</b>
		2480	1	-3.38
2M	SISO	2402	1	-4.29
		2440	1	<b>-3.68</b>
		2480	1	-3.88

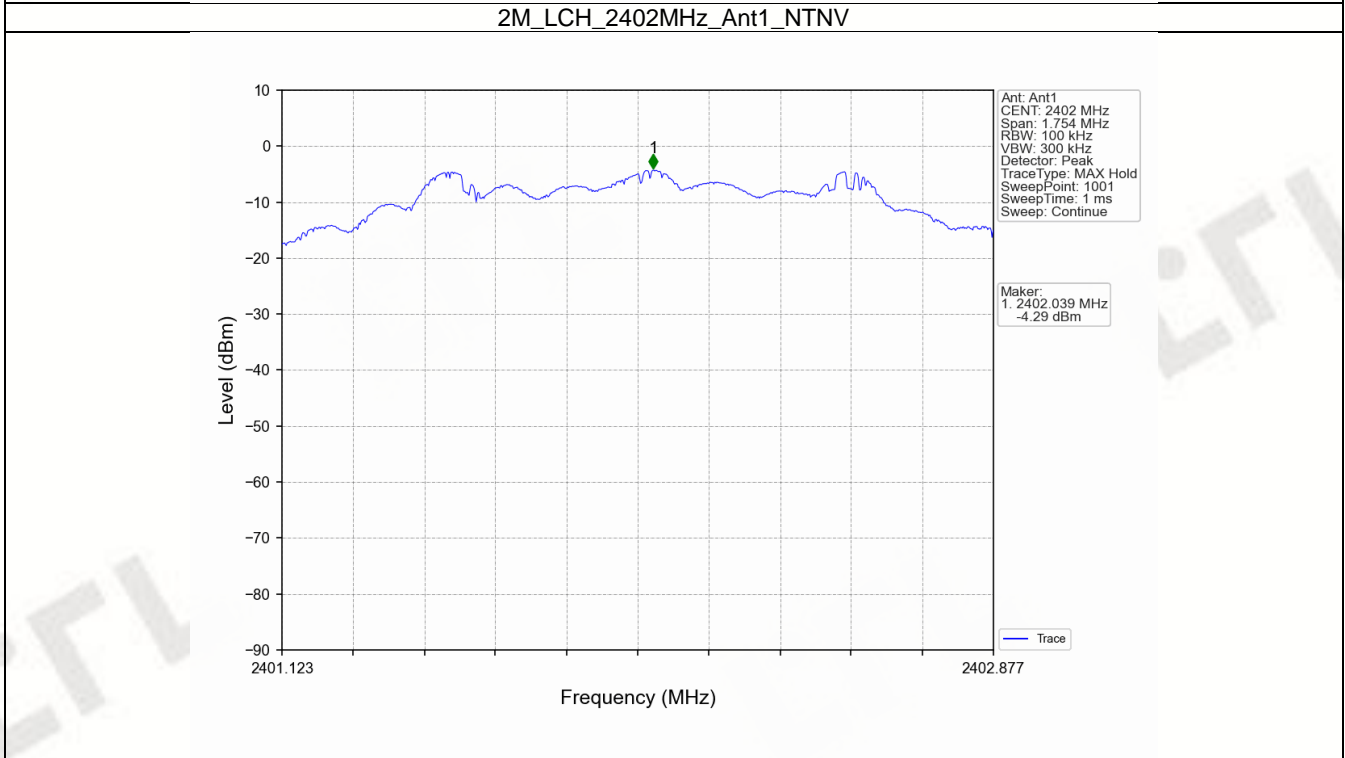
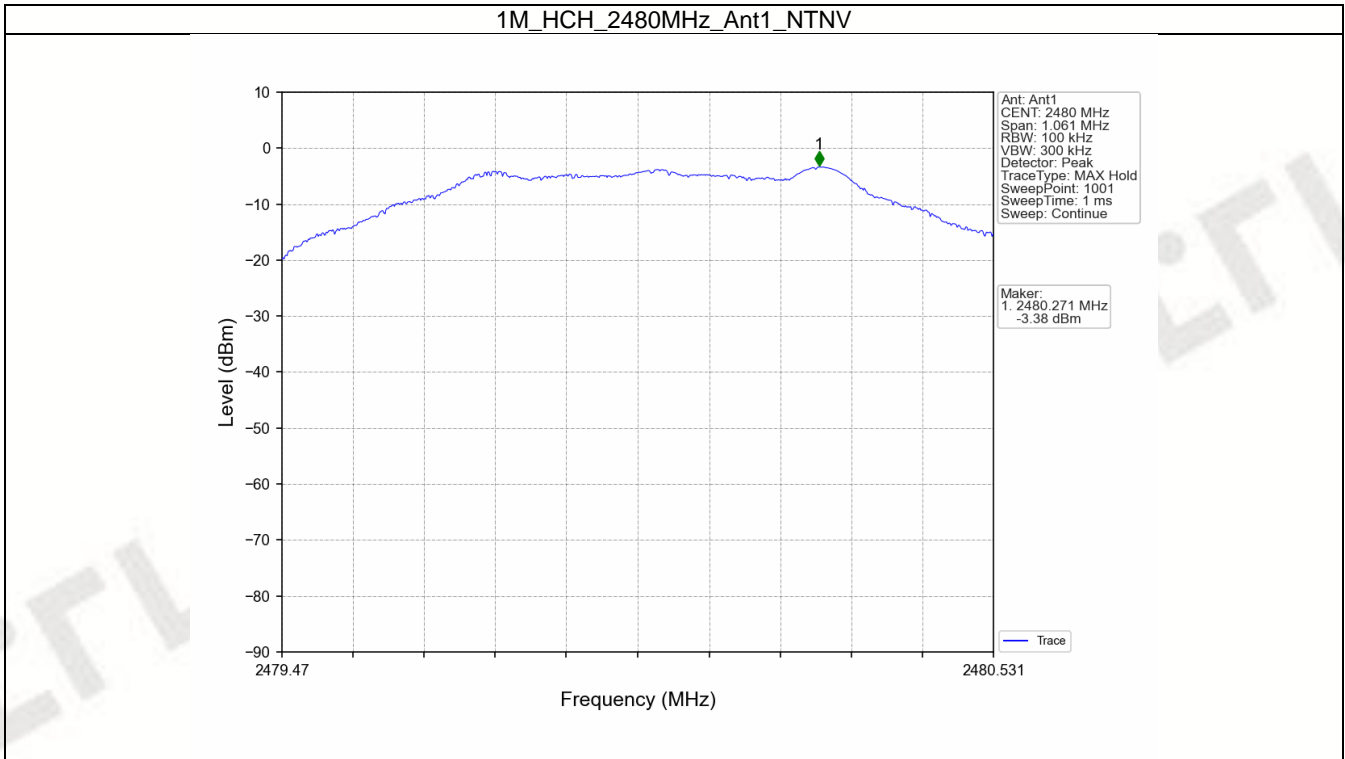
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

FCCID: 2AU4P-BTS163

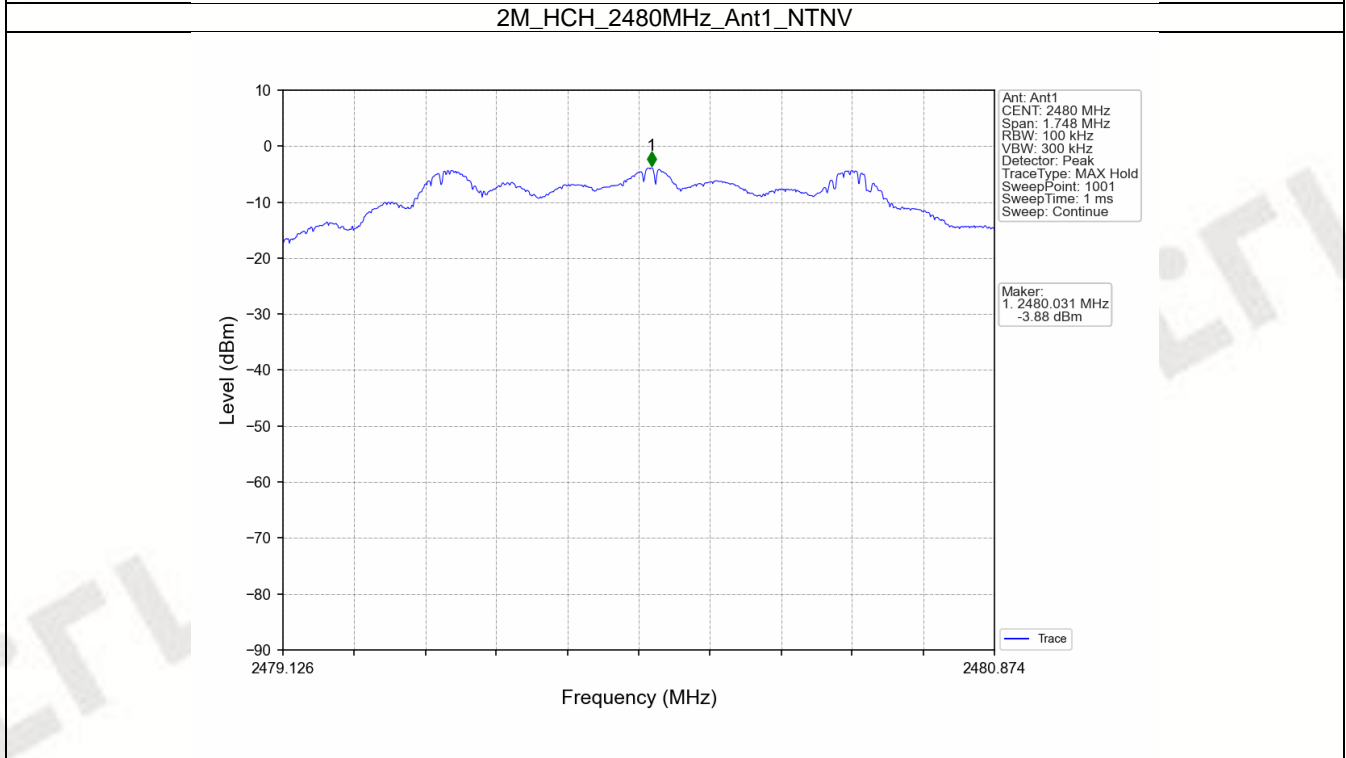
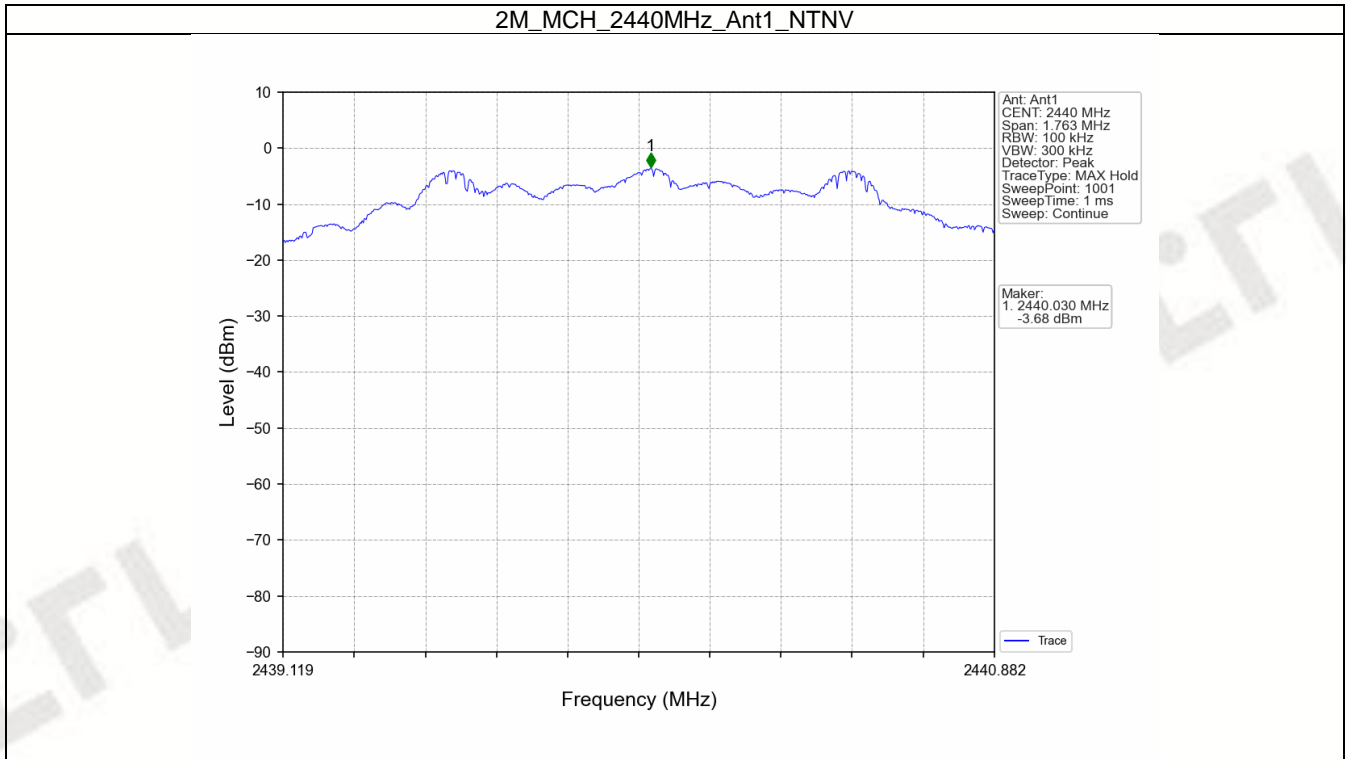
4.1.2 Test Graph



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163



FCCID: 2AU4P-BTS163

## 4.2 CSE

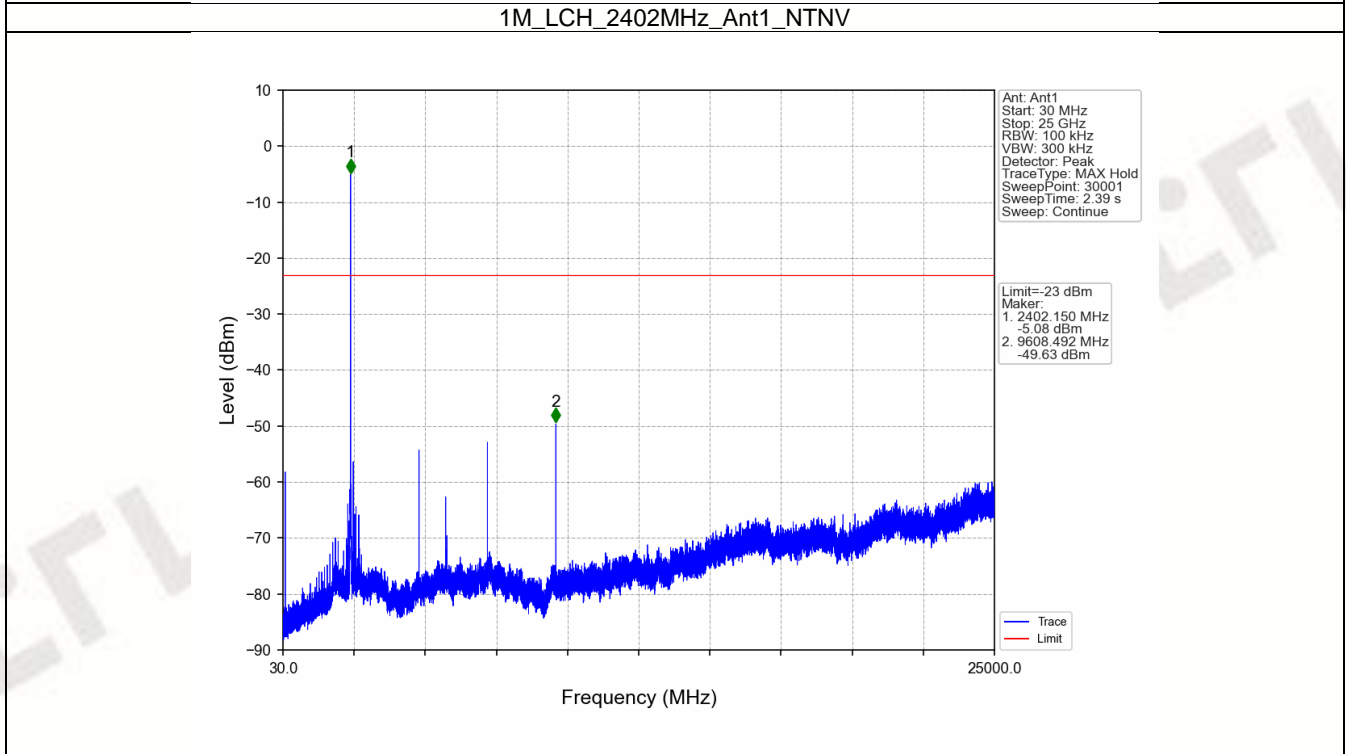
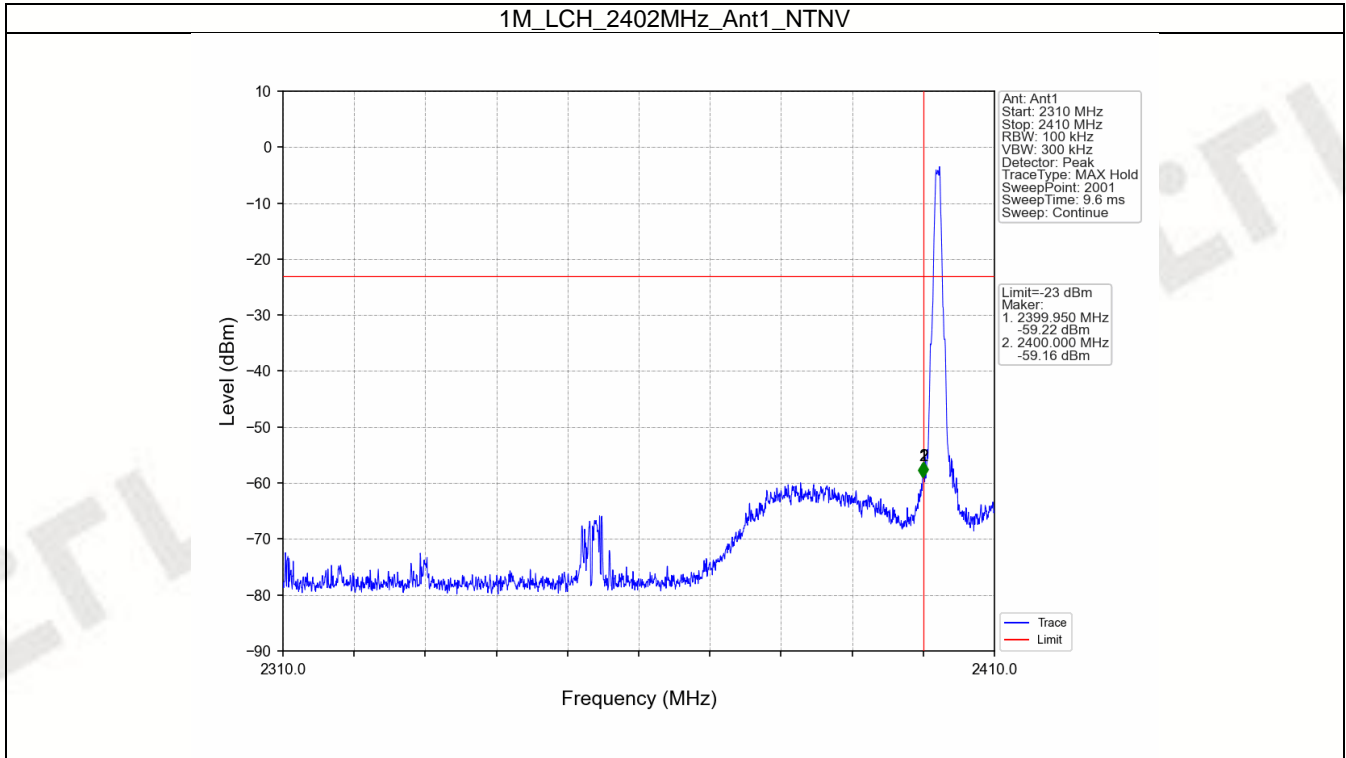
### 4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-3.00	-23.00	Pass
		2440	1	-3.00	-23.00	Pass
		2480	1	-3.00	-23.00	Pass
2M	SISO	2402	1	-3.68	-23.68	Pass
		2440	1	-3.68	-23.68	Pass
		2480	1	-3.68	-23.68	Pass

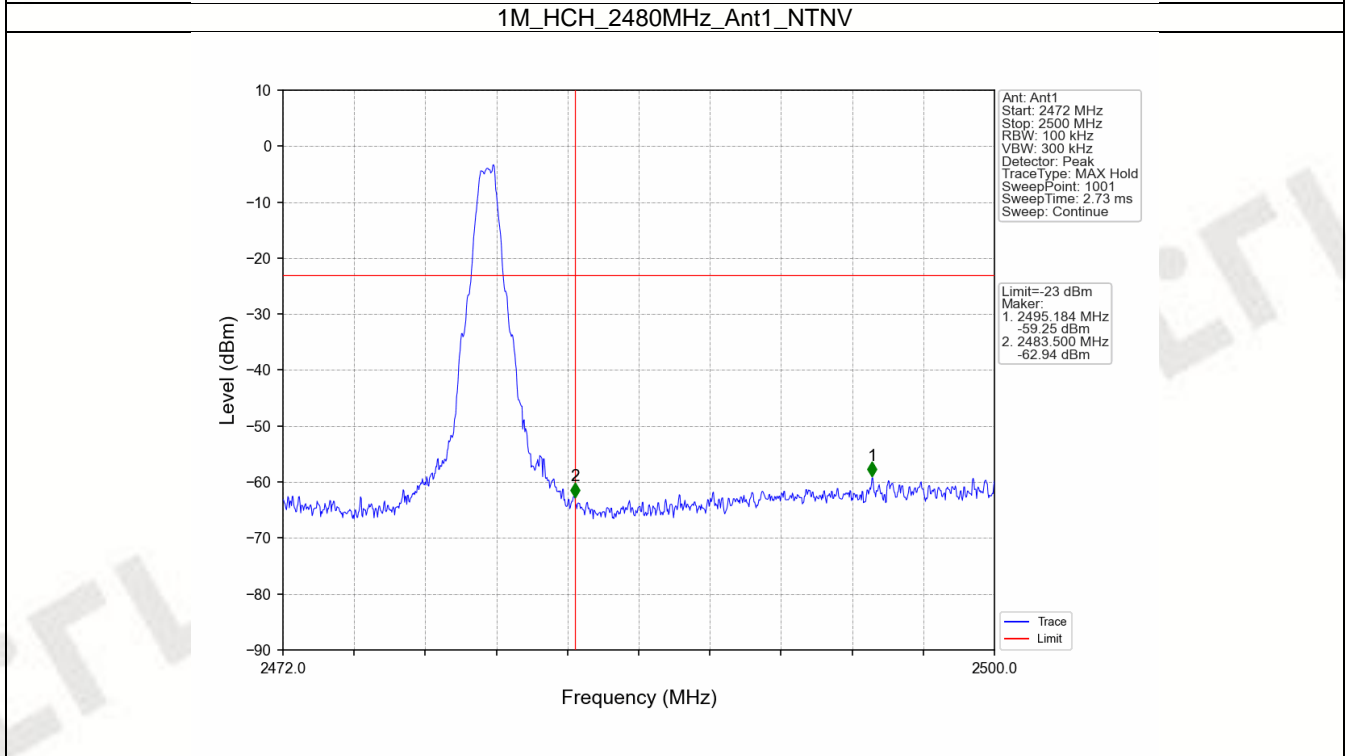
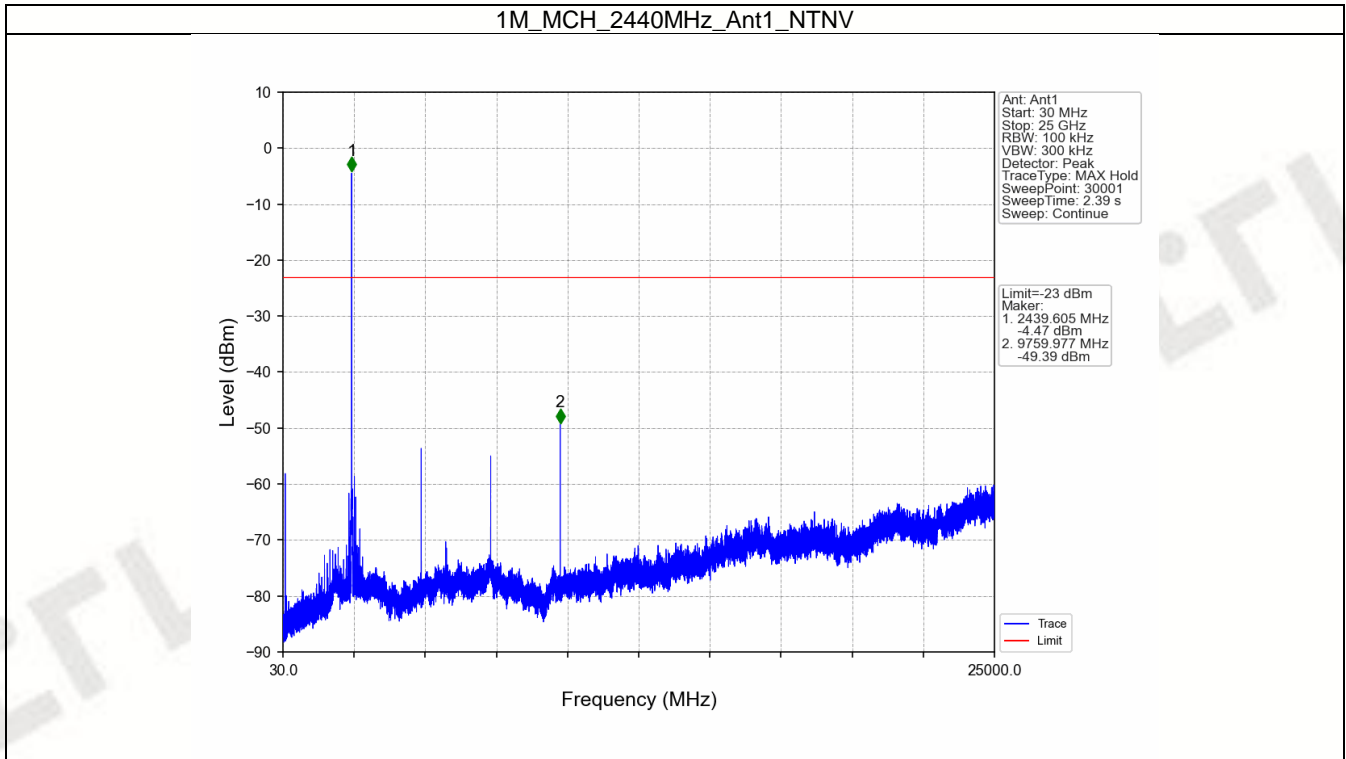
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

FCCID: 2AU4P-BTS163

4.2.2 Test Graph

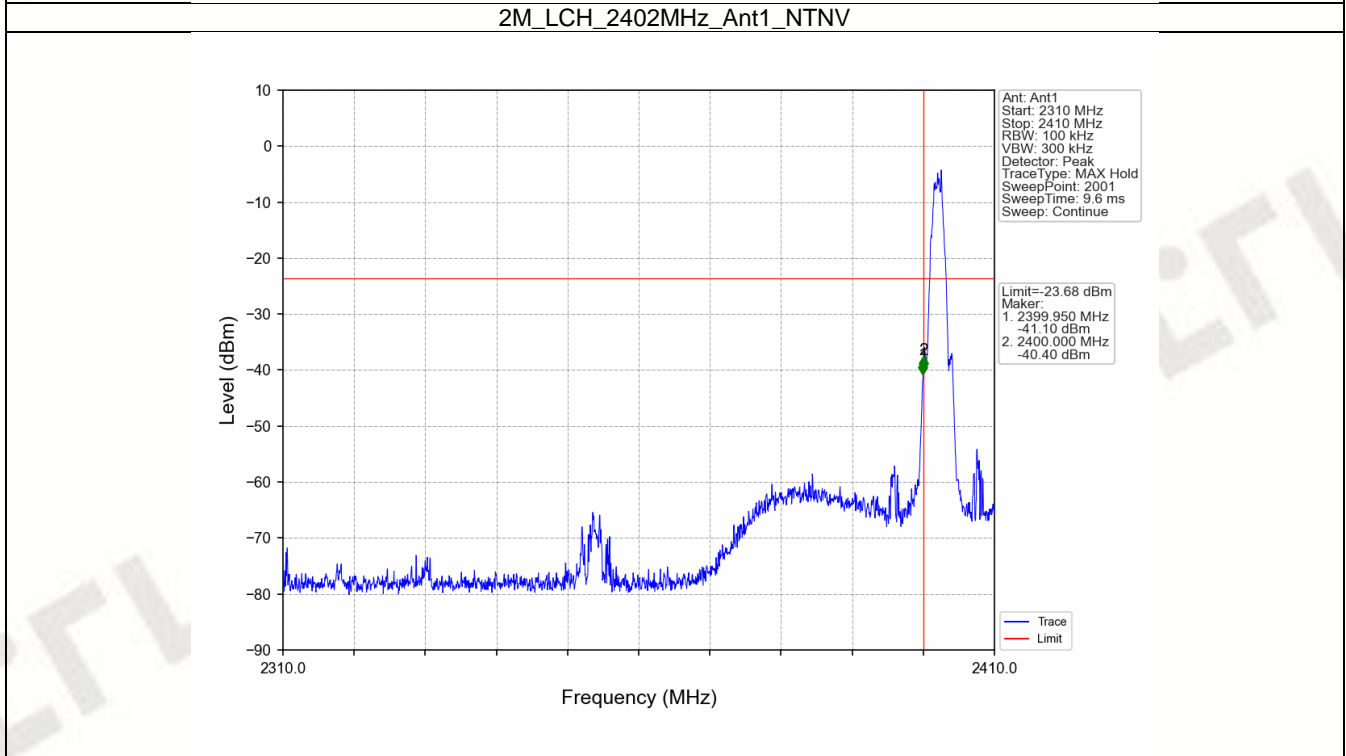
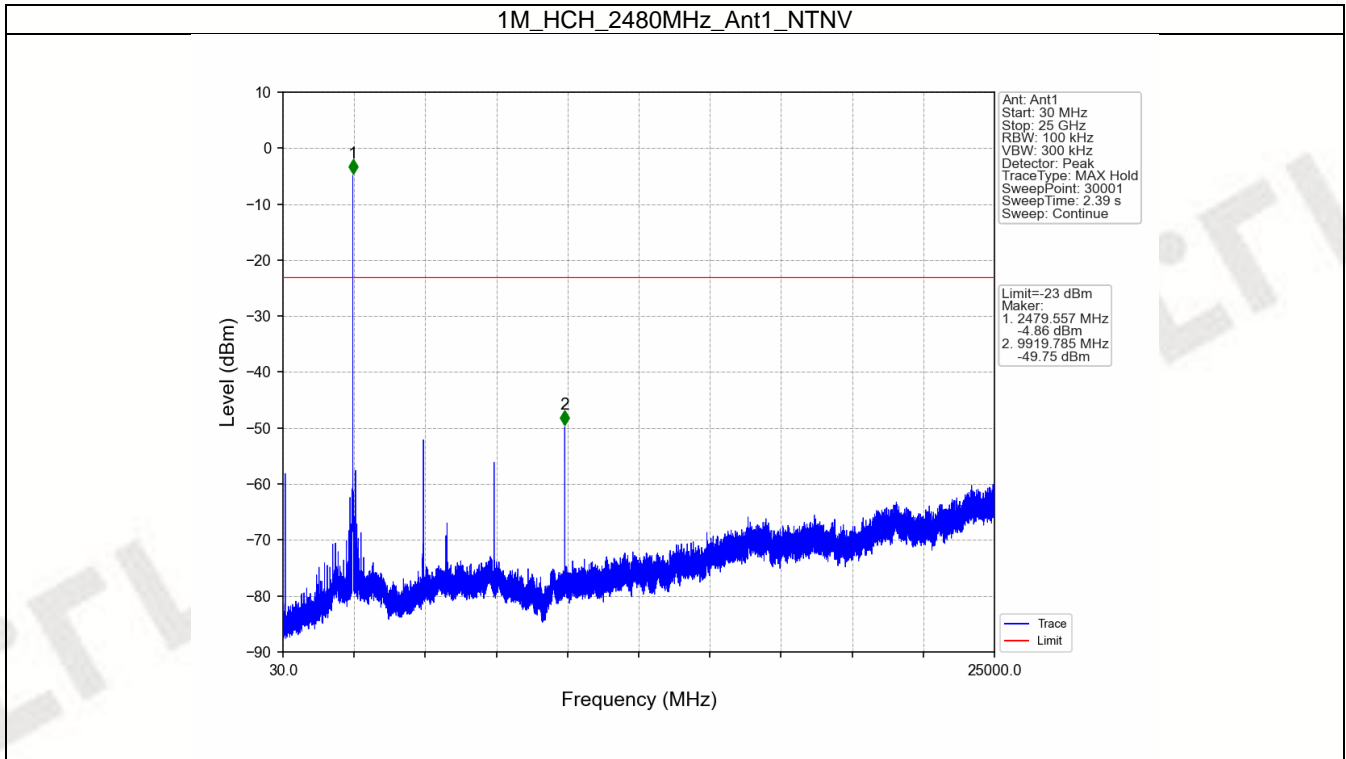


FCCID: 2AU4P-BTS163

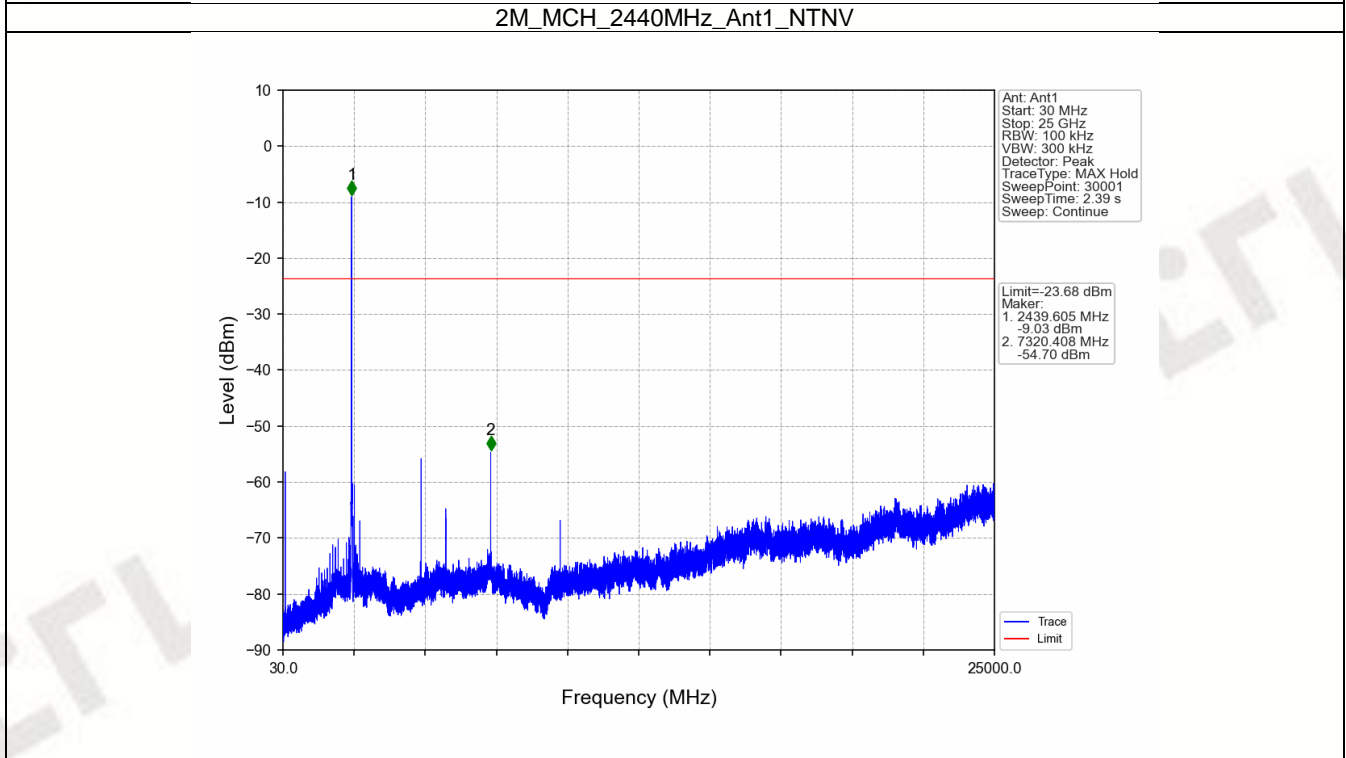
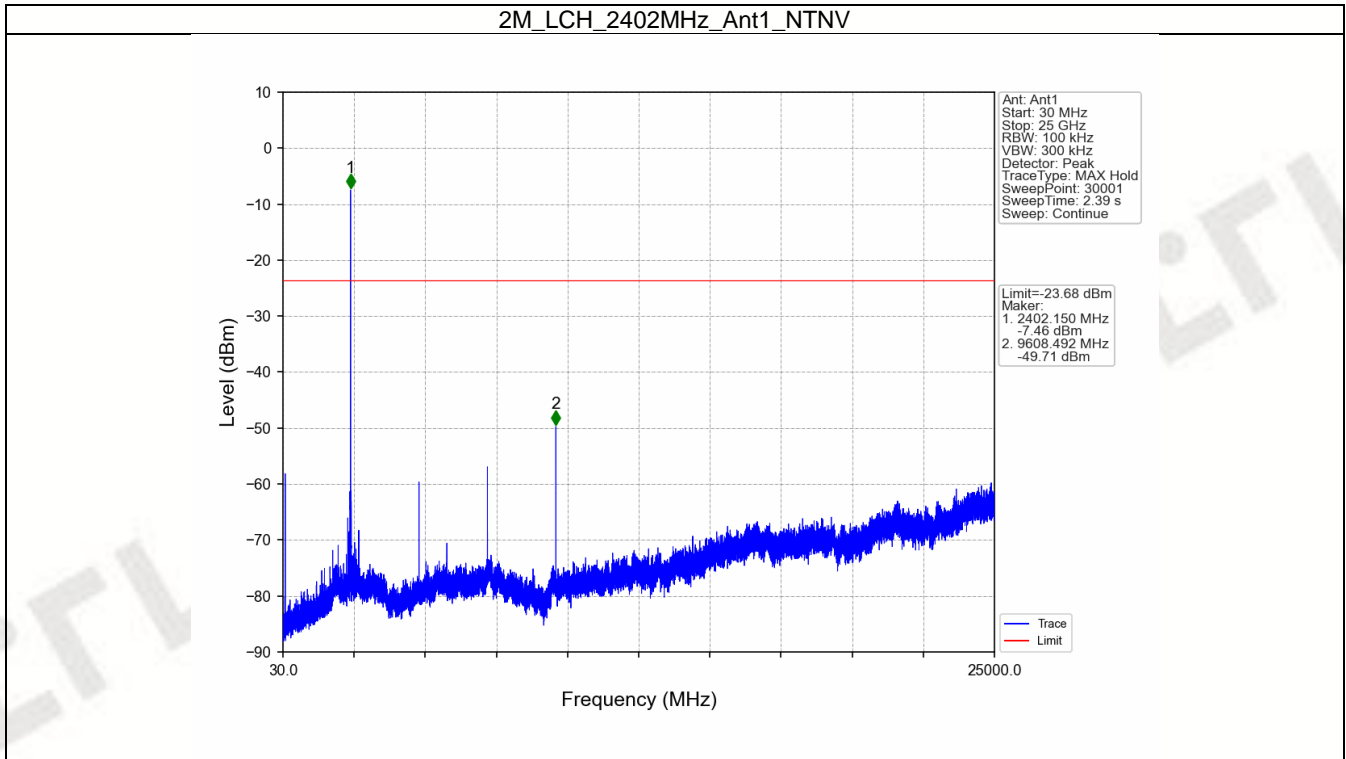




FCCID: 2AU4P-BTS163



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