



## Annex for BLE

Test Report No.: CTL2409269021-WF02

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## 1. Bandwidth

### 1.1 Test Result

#### 1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.026	/	Pass
		2440	1	1.026	/	Pass
		2480	1	1.029	/	Pass

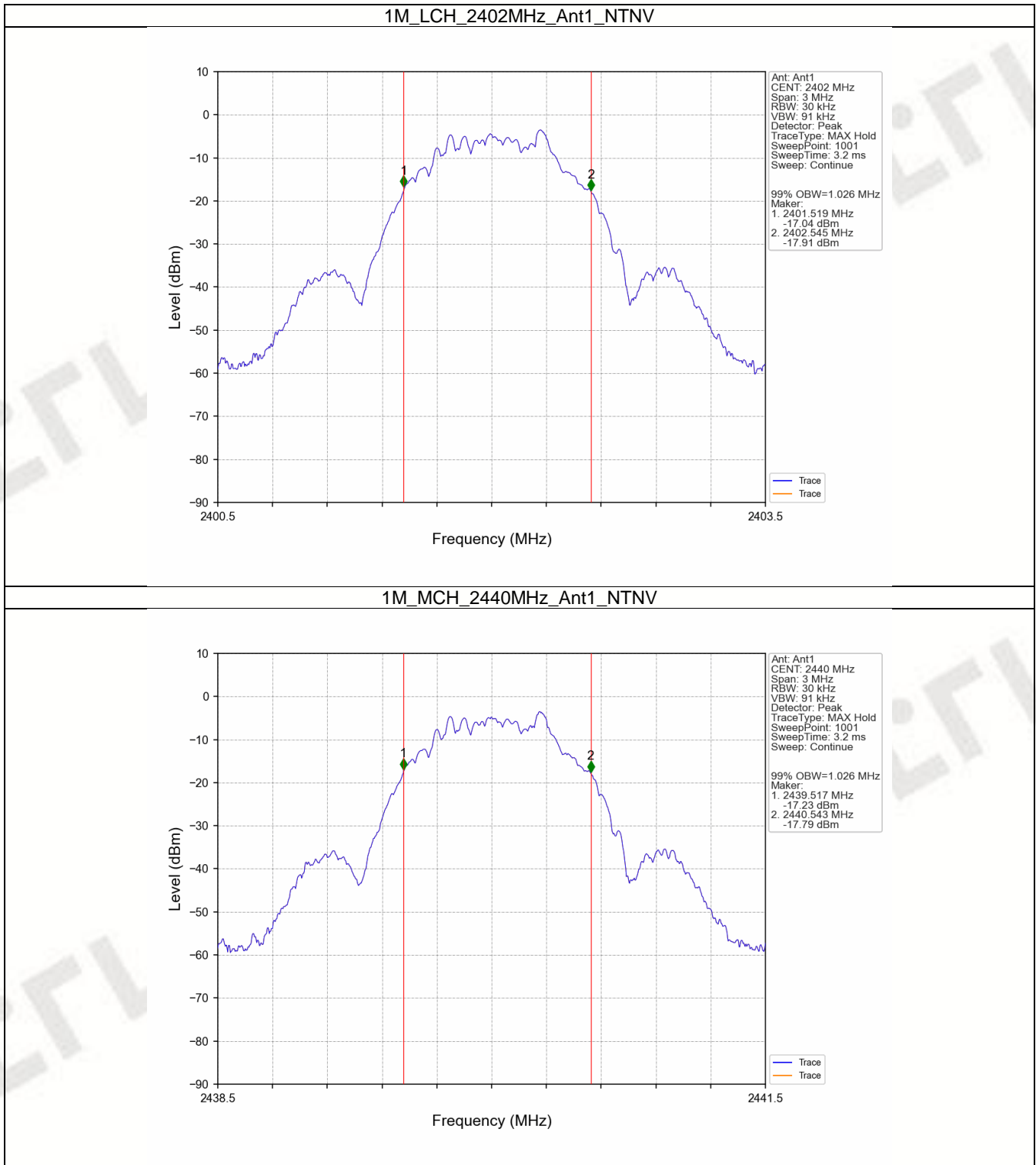
#### 1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.666	$\geq 0.5$	Pass
		2440	1	0.667	$\geq 0.5$	Pass
		2480	1	0.666	$\geq 0.5$	Pass

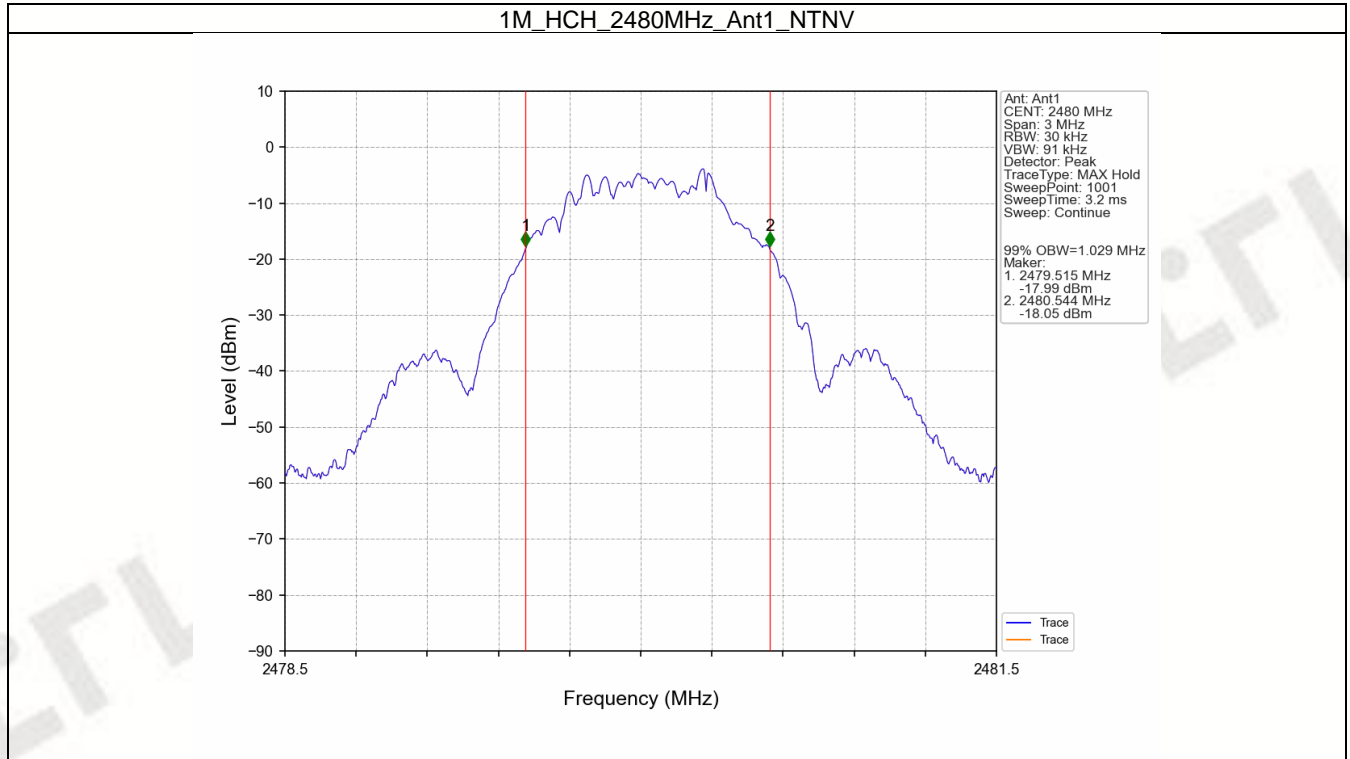
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### 1.2 Test Graph

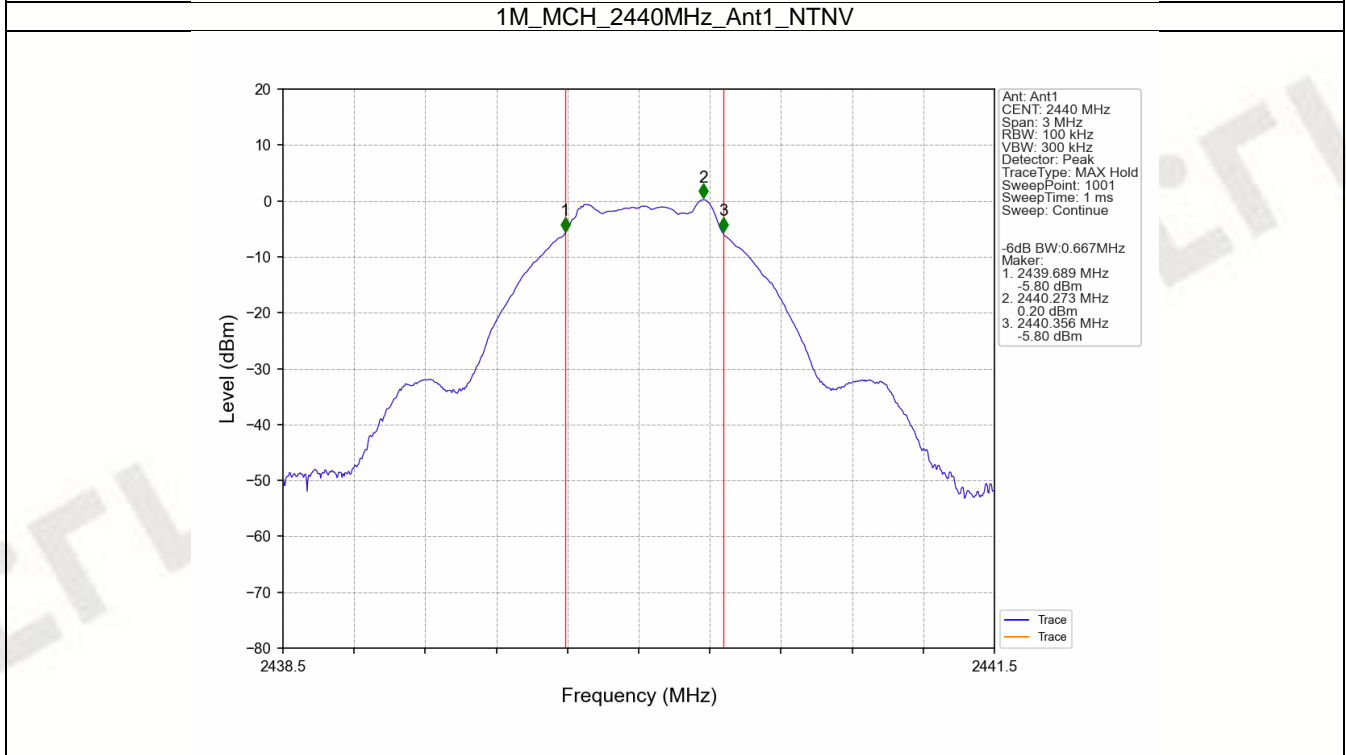
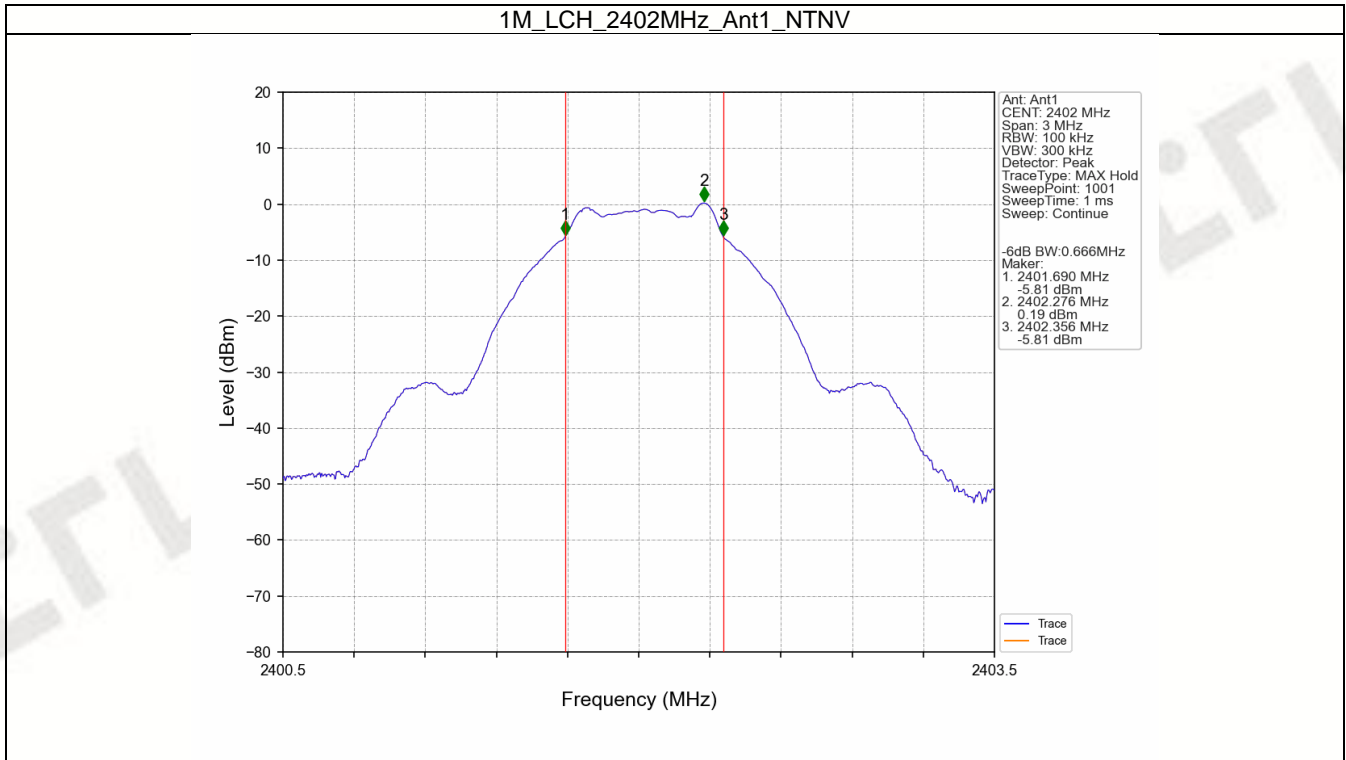
#### 1.2.1 OBW



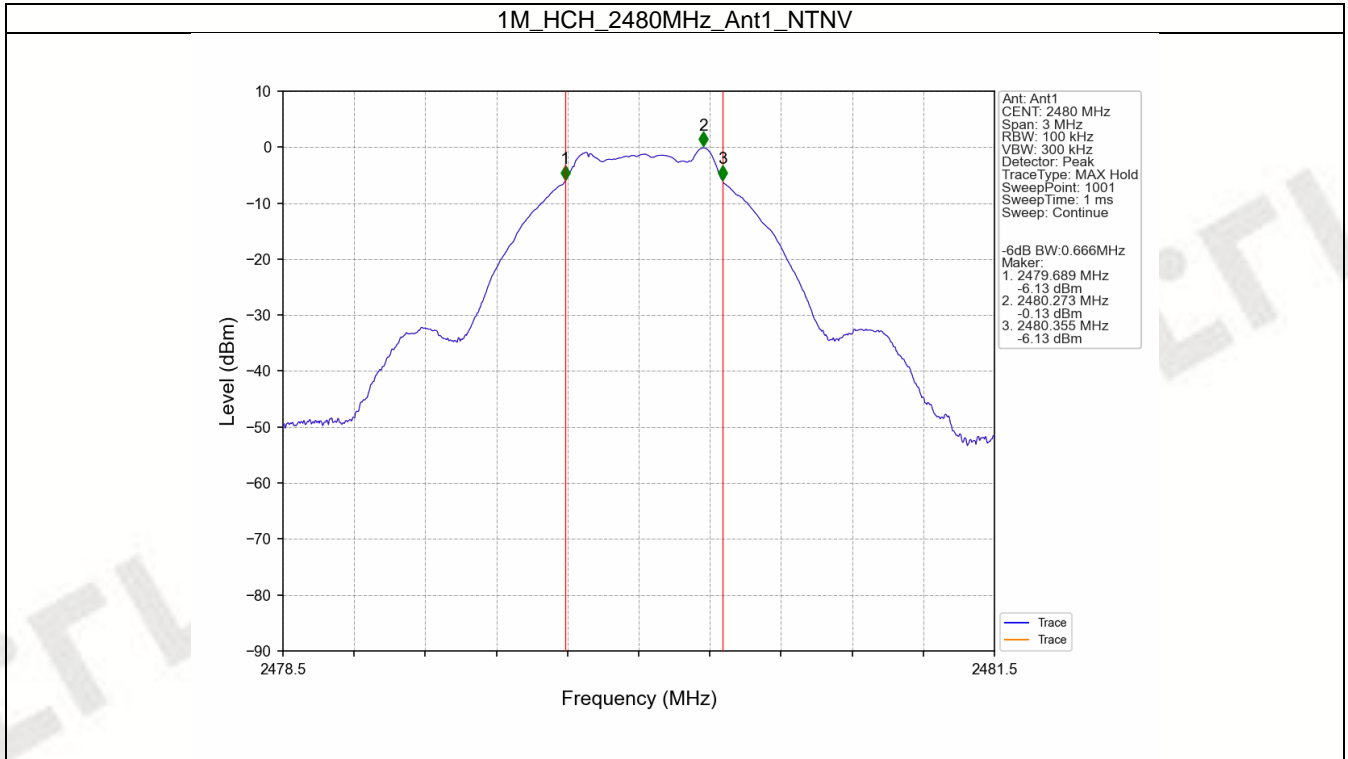
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1.2.2 6dB BW



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## 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	0.36	<=30	Pass
		2440	0.39	<=30	Pass
		2480	0.05	<=30	Pass

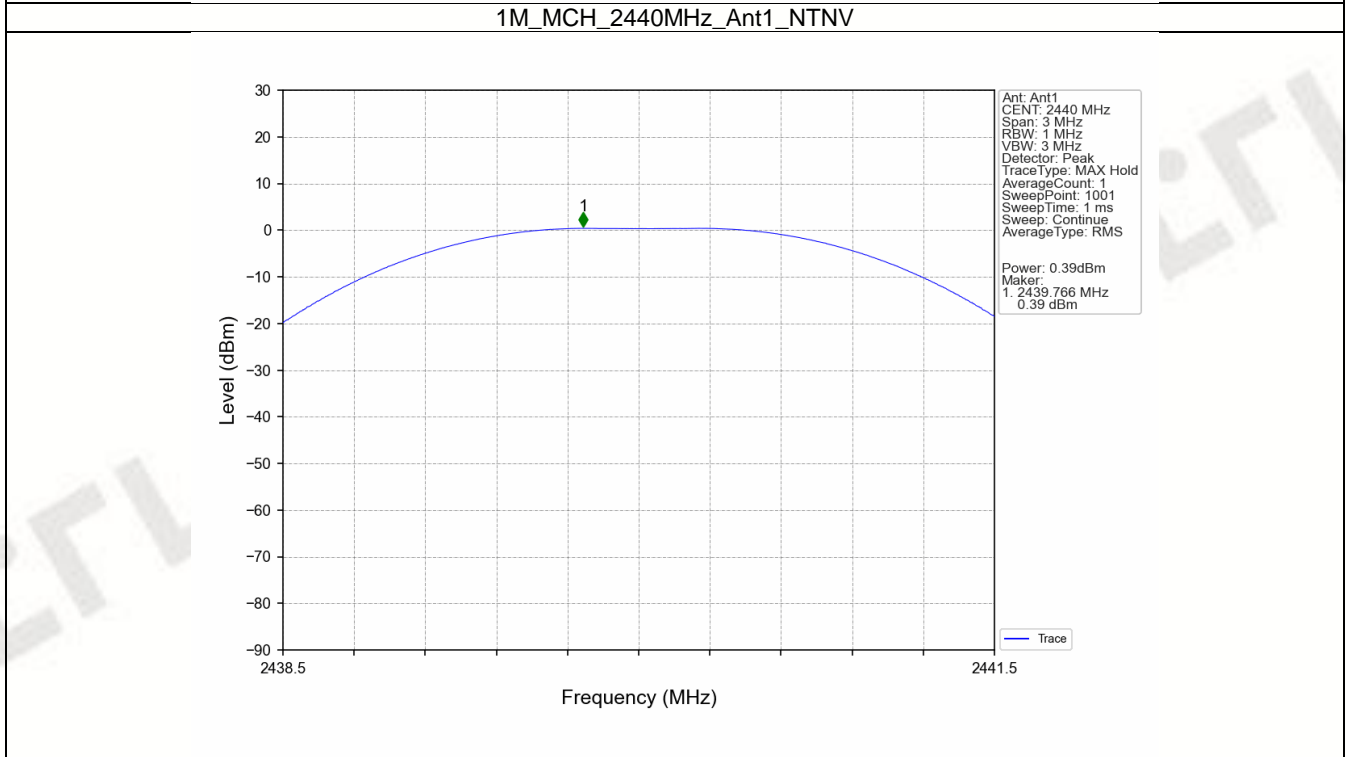
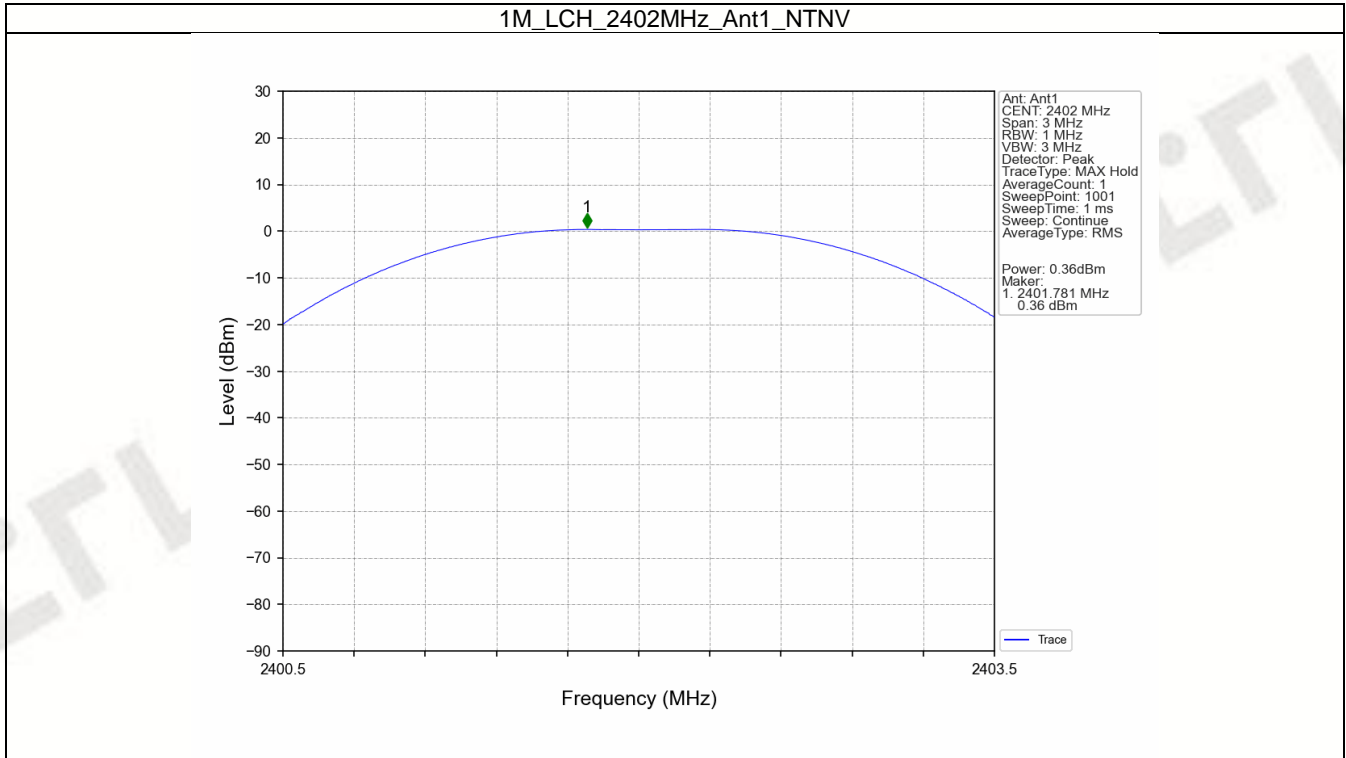
Note1: Antenna Gain: Ant1: 4.21dBi;



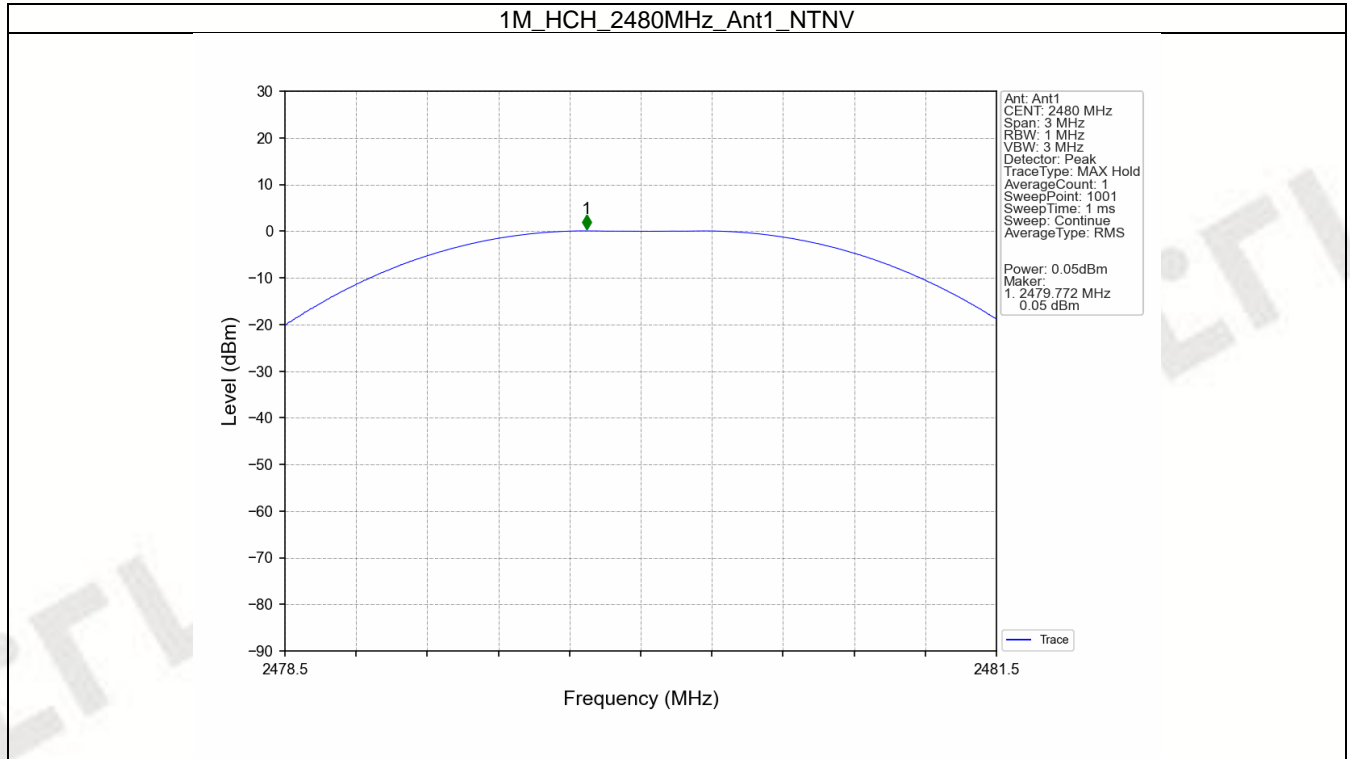
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### 2.2 Test Graph

#### 2.2.1 Power



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### 3. Maximum Power Spectral Density

#### 3.1 Test Result

##### 3.1.1 PSD

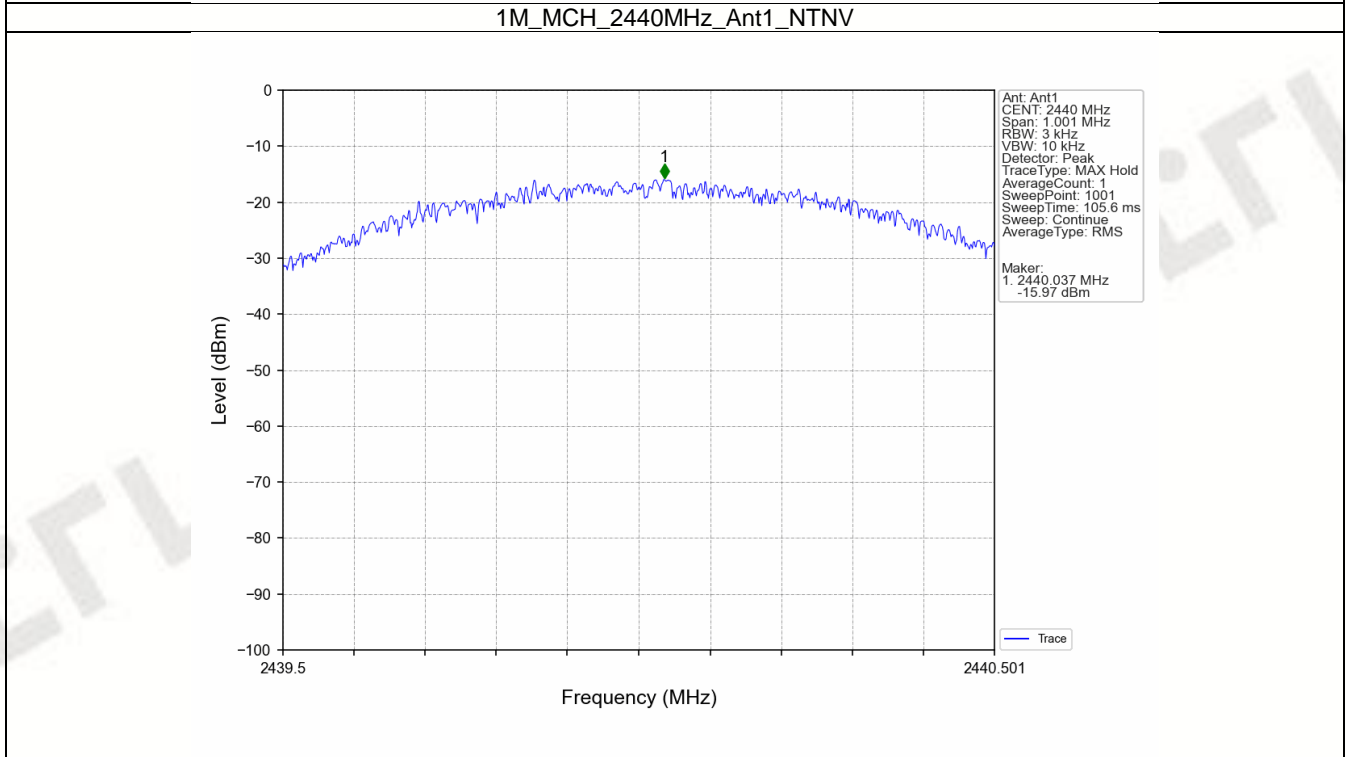
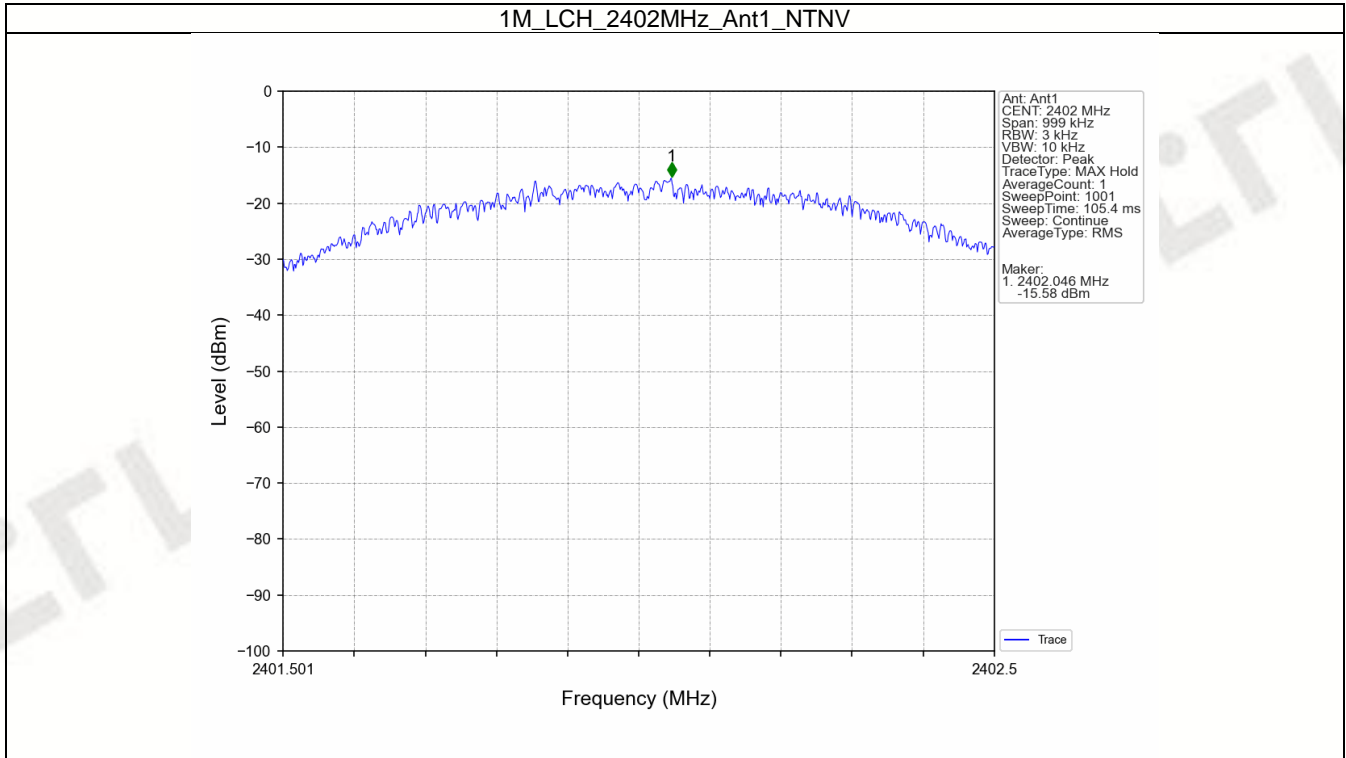
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-15.58	<=8	Pass
		2440	-15.97	<=8	Pass
		2480	-15.91	<=8	Pass

Note1: Antenna Gain: Ant1: 4.21dBi;

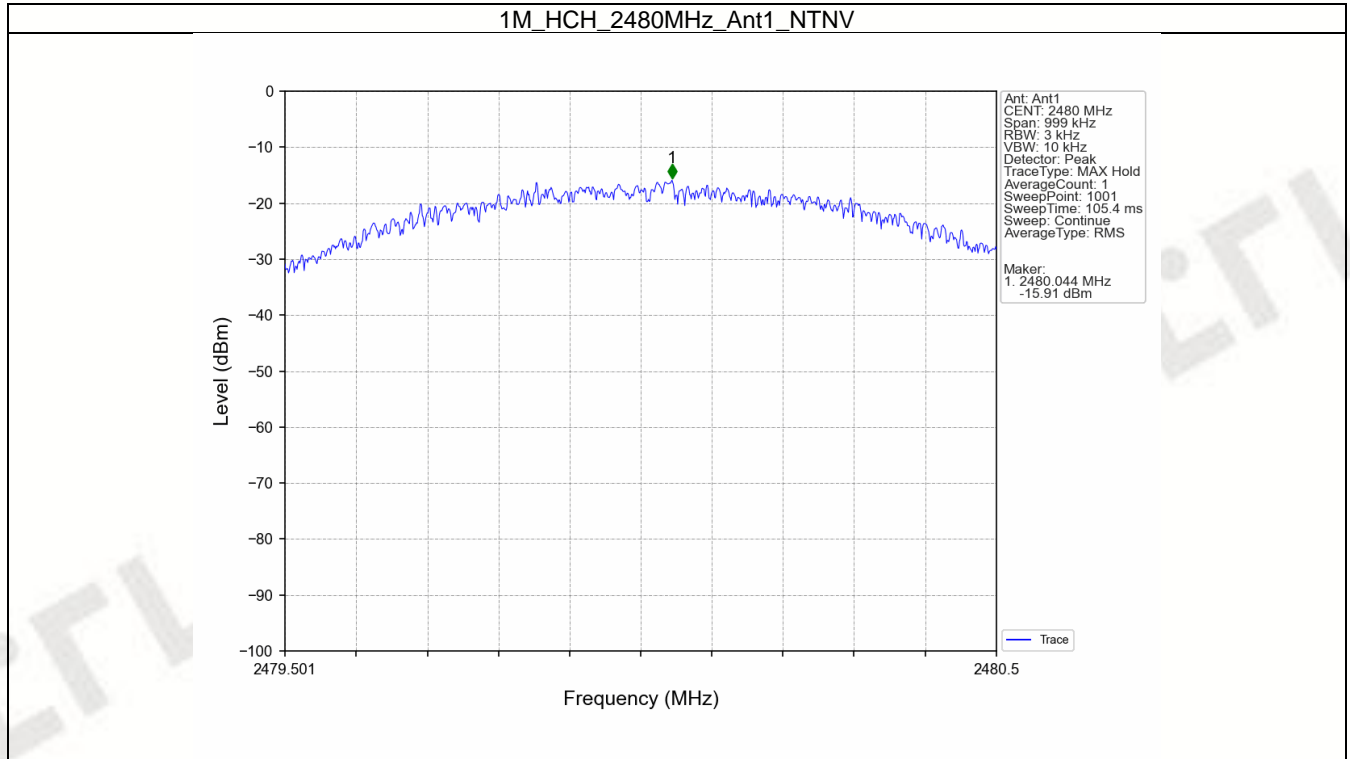
FCCID: SMQ-UWM3

### 3.2 Test Graph

#### 3.2.1 PSD



FCCID: SMQ-UWM3



## 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	0.15
		2440	1	0.17
		2480	1	-0.15
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.				

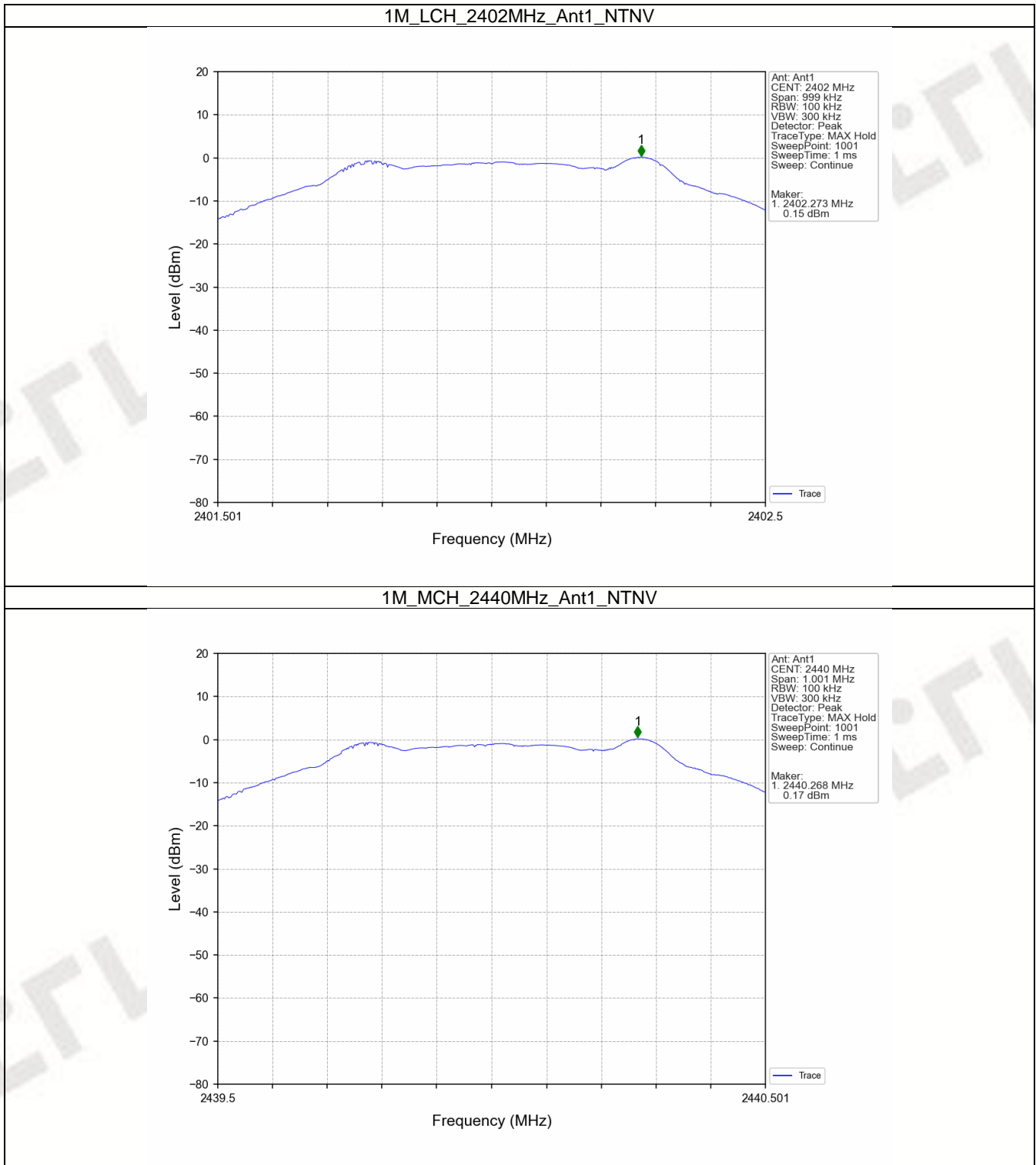
#### 4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.17	-19.83	Pass
		2440	1	0.17	-19.83	Pass
		2480	1	0.17	-19.83	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.						

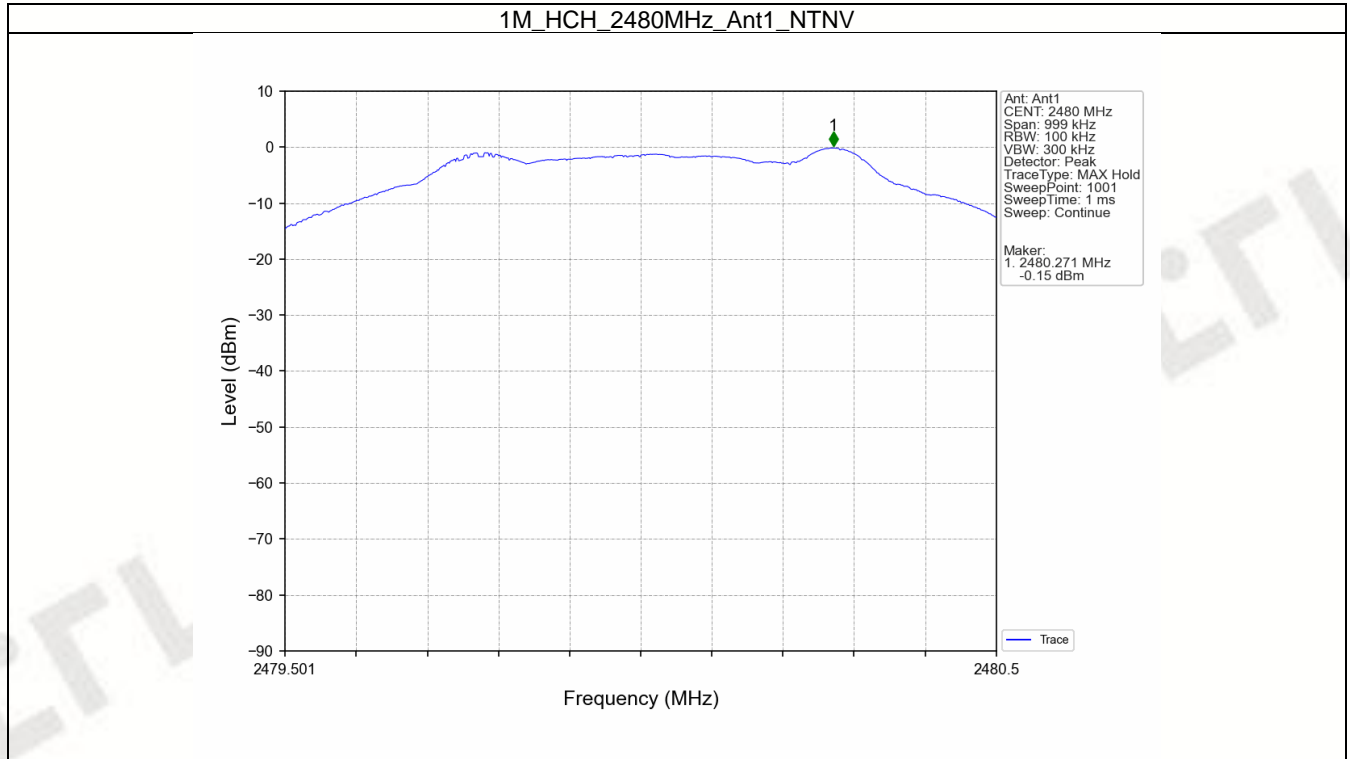
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### 4.2 Test Graph

#### 4.2.1 Ref

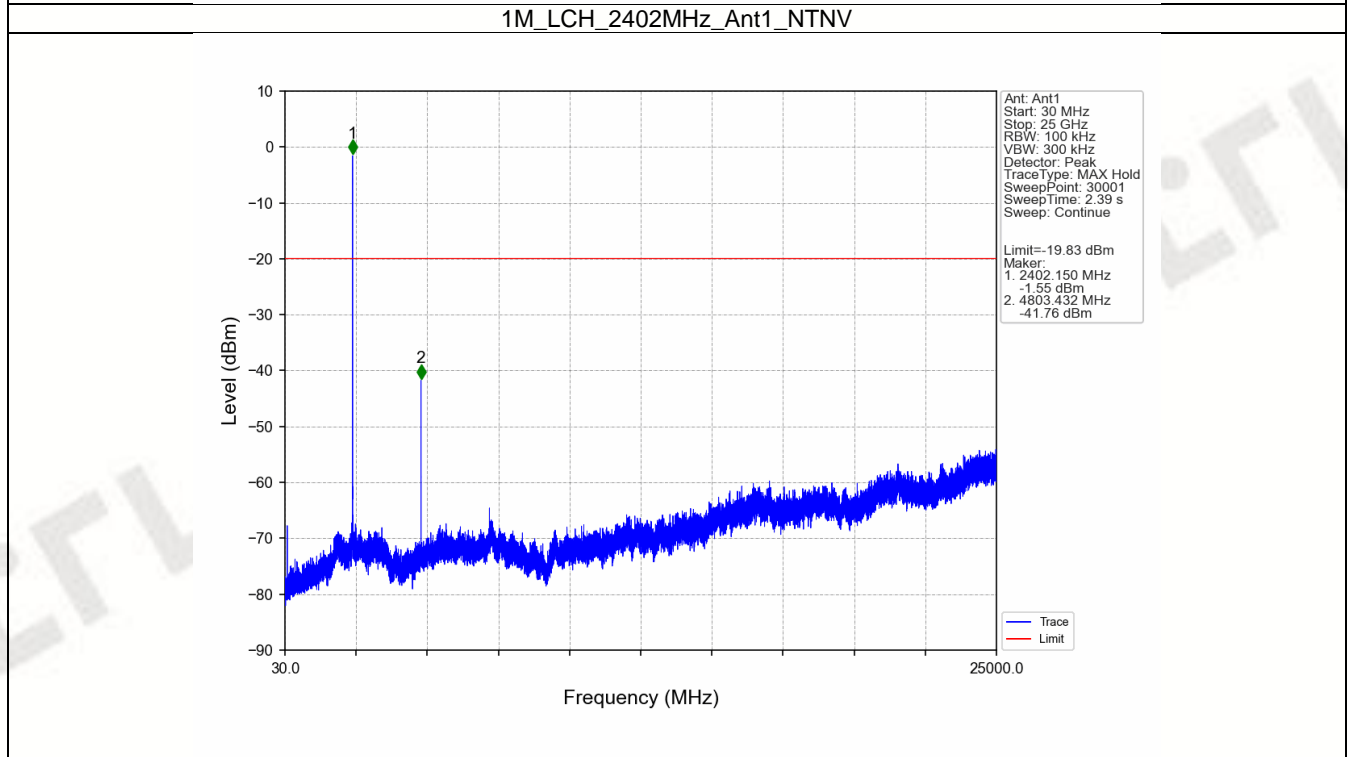
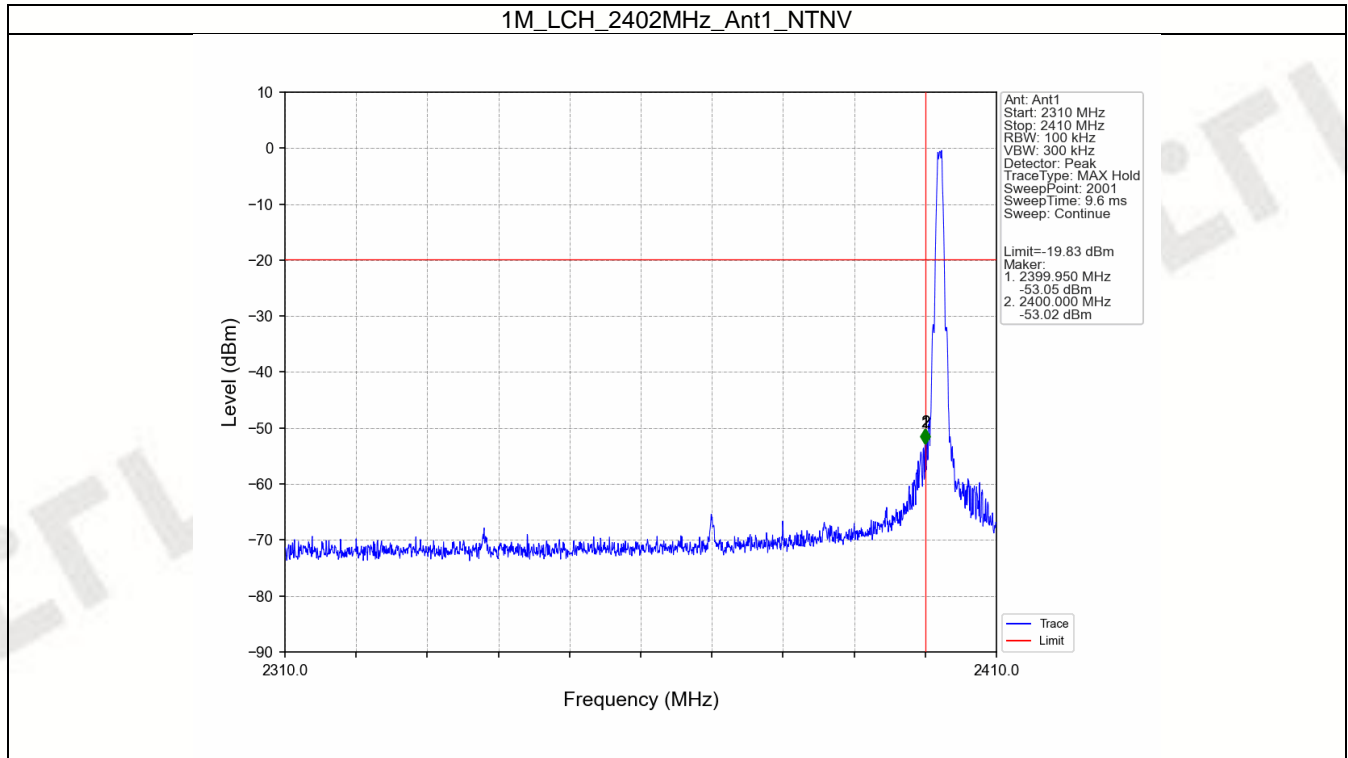


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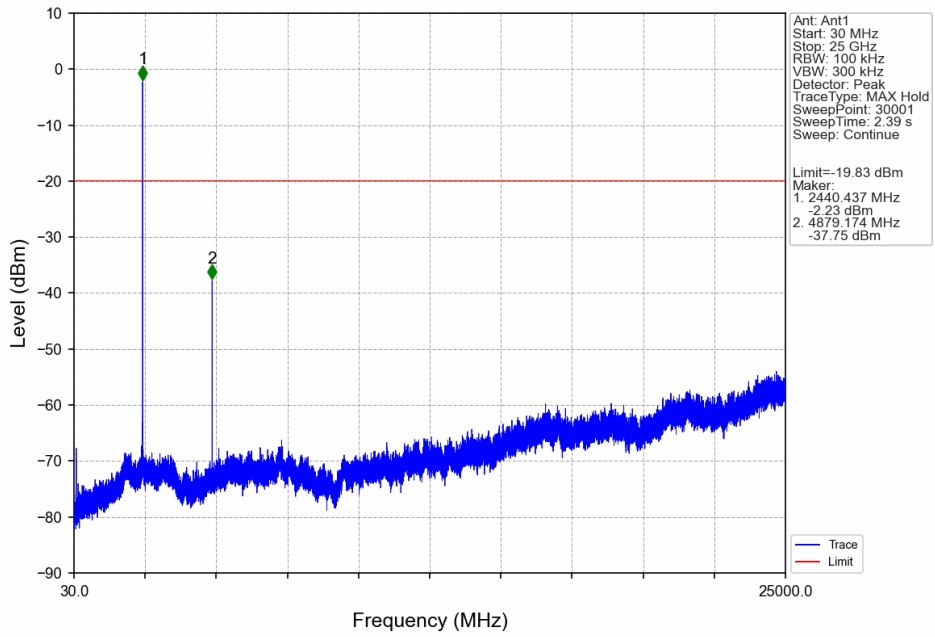


### 4.2.2 CSE

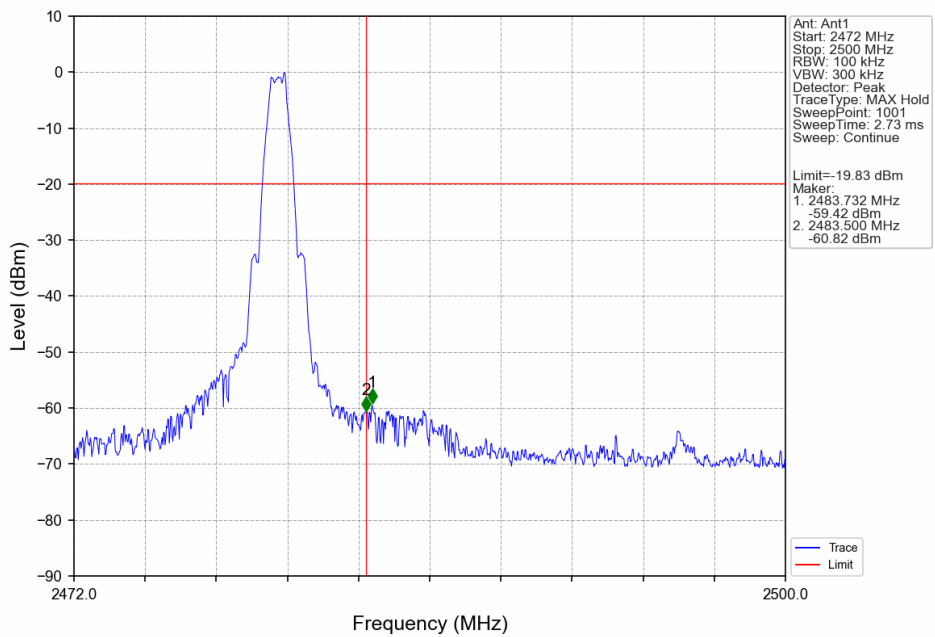


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1M\_MCH\_2440MHz\_Ant1\_NTNV



1M\_HCH\_2480MHz\_Ant1\_NTNV



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