

## Appendix A for KSCR211000018401

## 1. Duty Cycle

## 1.1 Ant1

## 1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T <sub>on</sub> (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	1.695	2.499	67.83	1.69	0.03
		2440	1.695	2.499	67.83	1.69	0.03
		2480	1.695	2.499	67.83	1.69	0.03
2M	SISO	2402	0.858	1.250	68.64	1.63	0.03
		2440	0.858	1.250	68.64	1.63	0.03
		2480	0.858	1.250	68.64	1.63	0.02



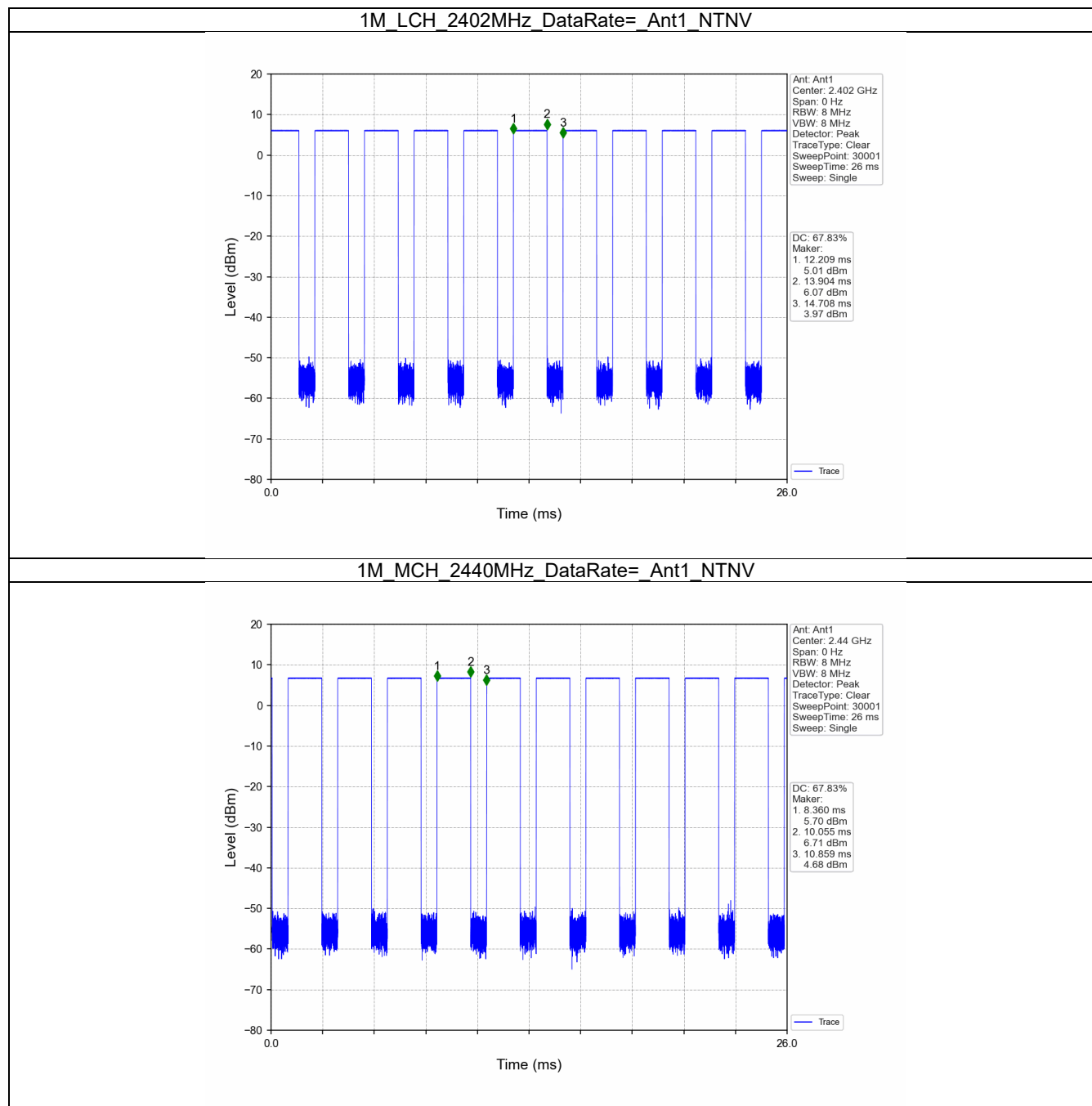
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## 1.1.2 Test Graph



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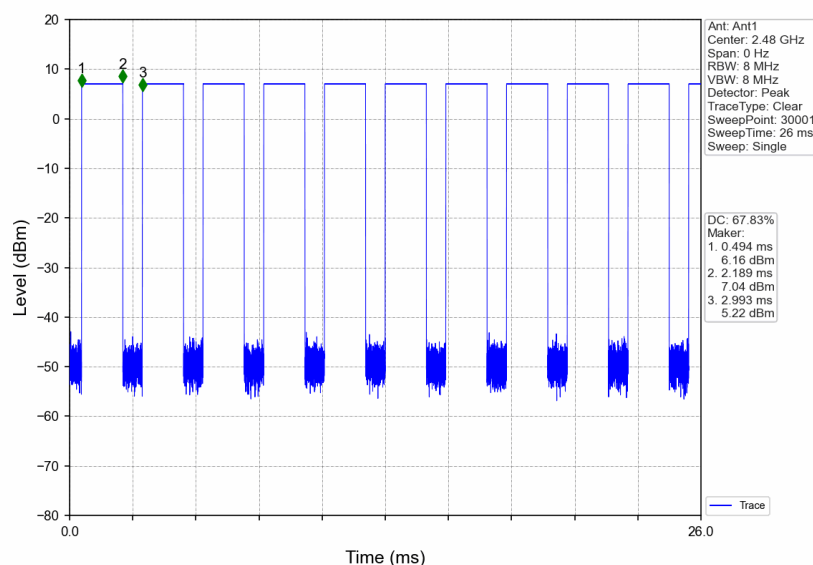
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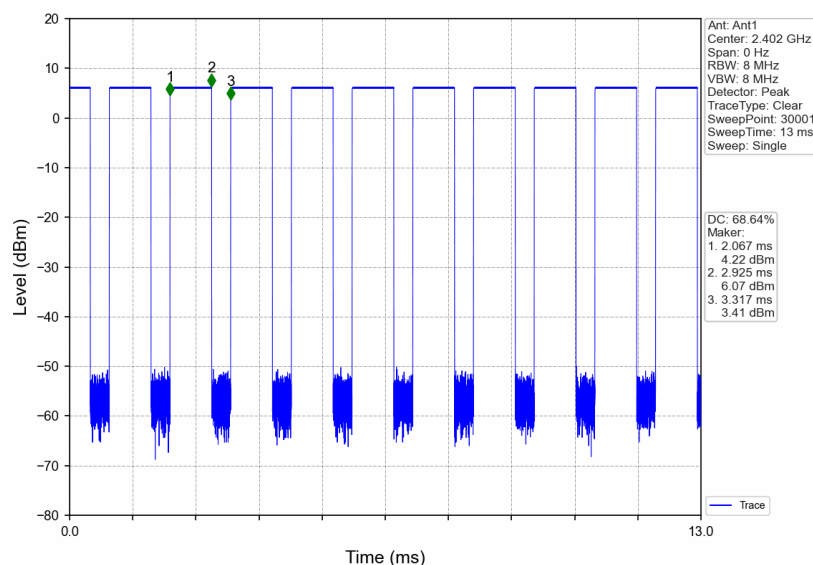
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1M\_HCH\_2480MHz\_DataRate= Ant1\_NTNV



2M\_LCH\_2402MHz\_DataRate= Ant1\_NTNV



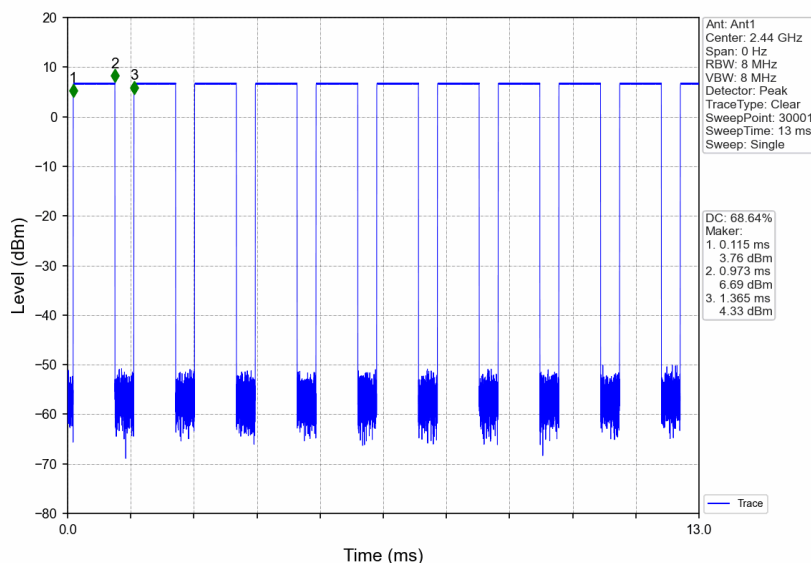
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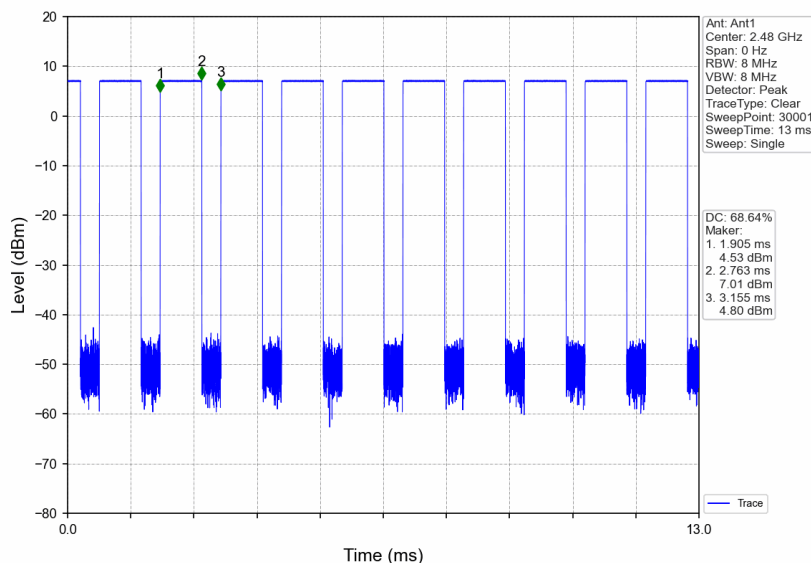
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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.050	Pass
		2440	1	1.053	Pass
		2480	1	1.056	Pass
2M	SISO	2402	1	2.063	Pass
		2440	1	2.070	Pass
		2480	1	2.076	Pass



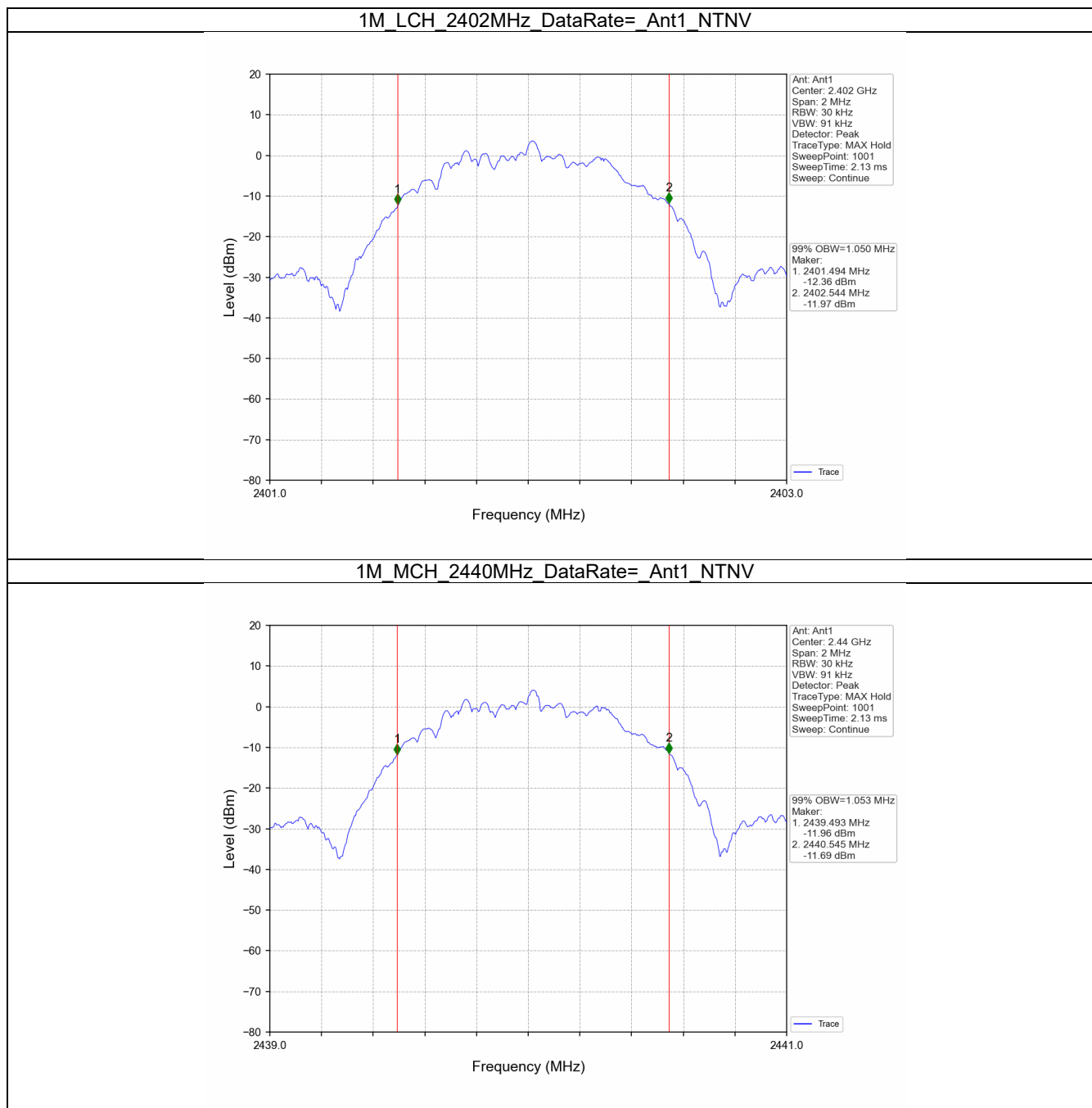
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## 2.1.2 Test Graph



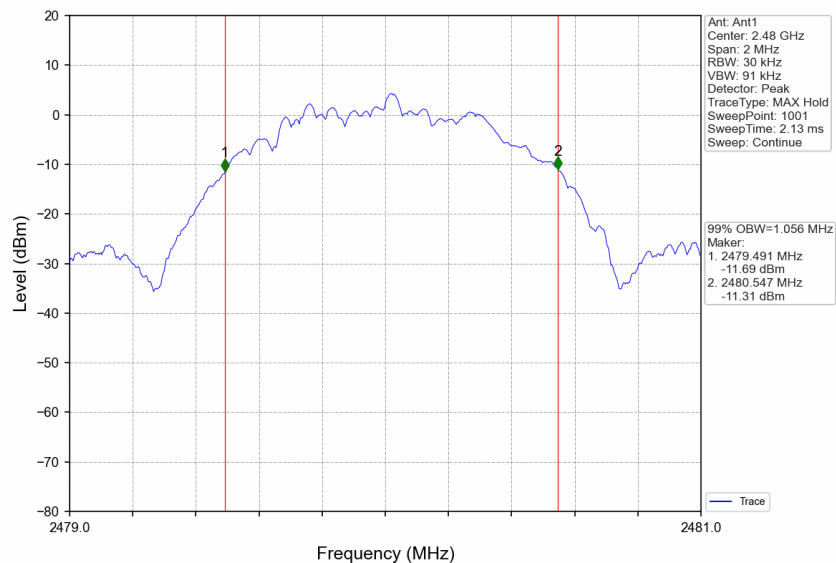
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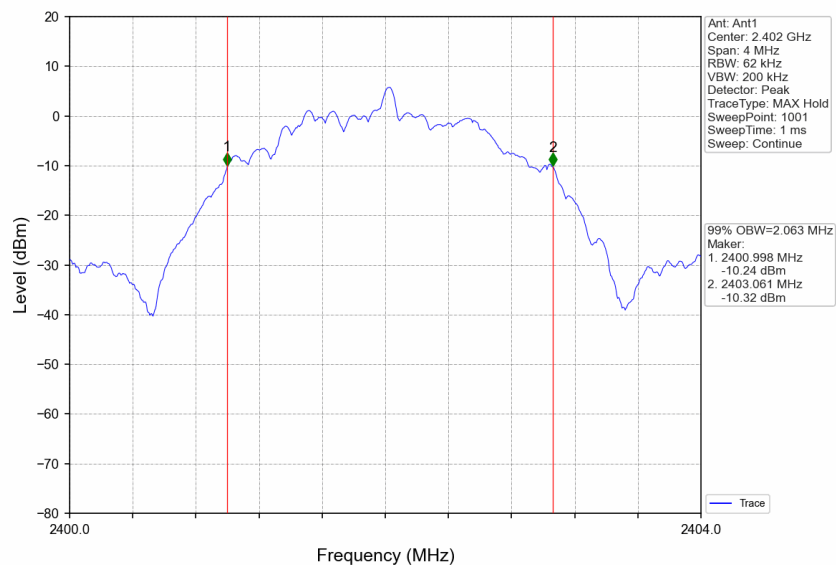
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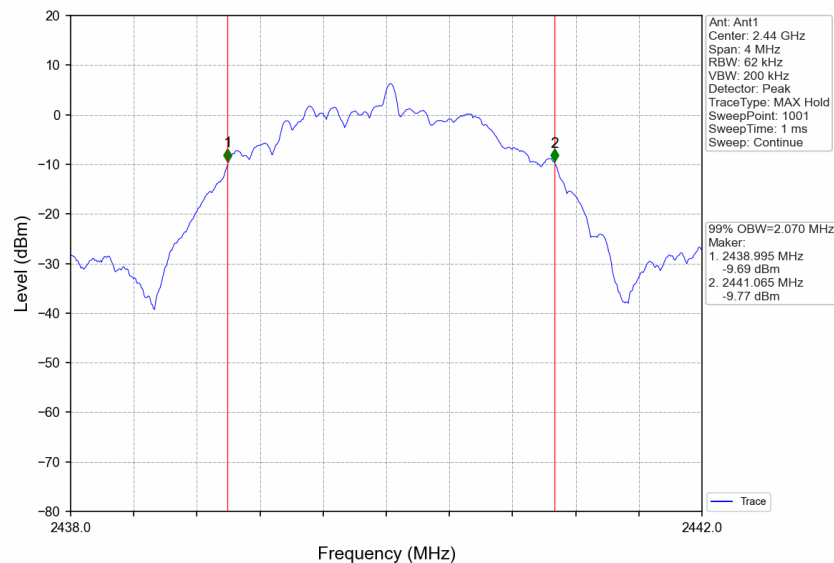
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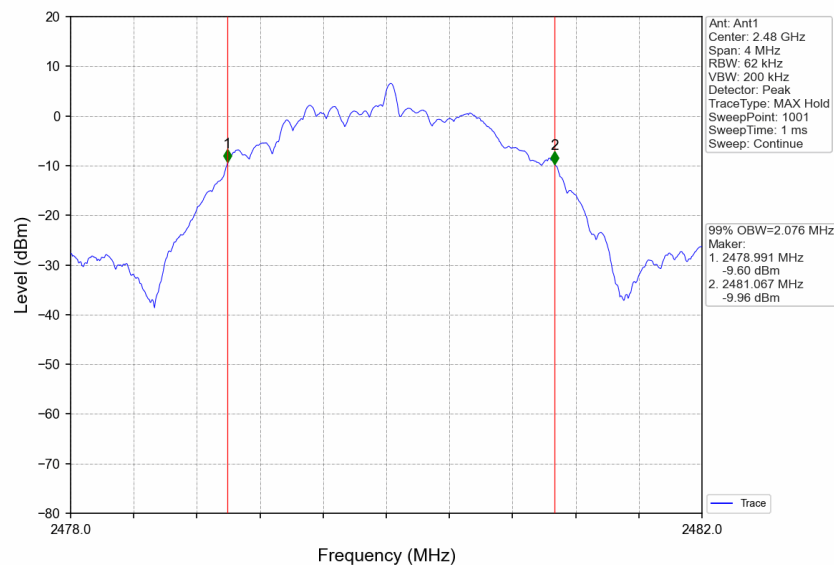
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## 2.2 6dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.688	$\geq 0.5$	Pass
		2440	1	0.700	$\geq 0.5$	Pass
		2480	1	0.689	$\geq 0.5$	Pass
2M	SISO	2402	1	1.175	$\geq 0.5$	Pass
		2440	1	1.179	$\geq 0.5$	Pass
		2480	1	1.181	$\geq 0.5$	Pass



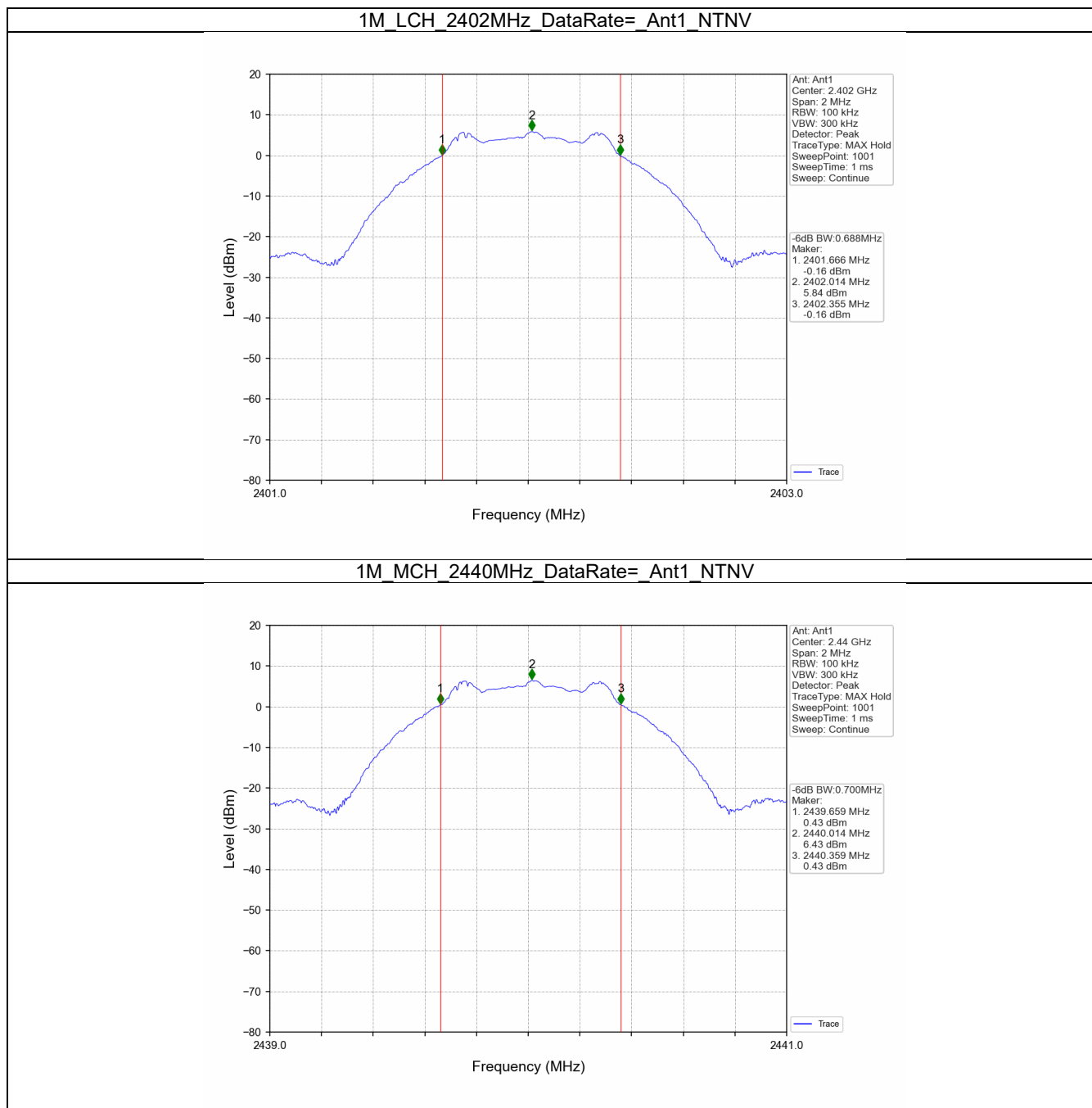
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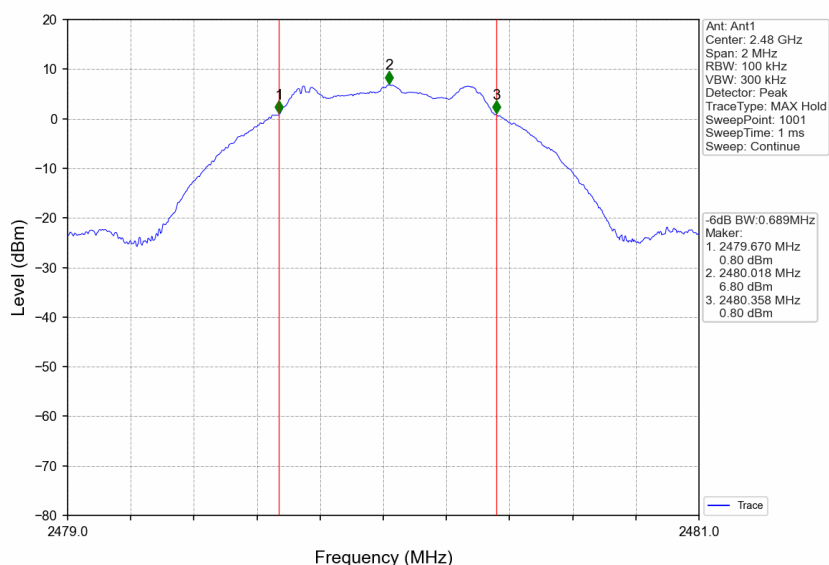
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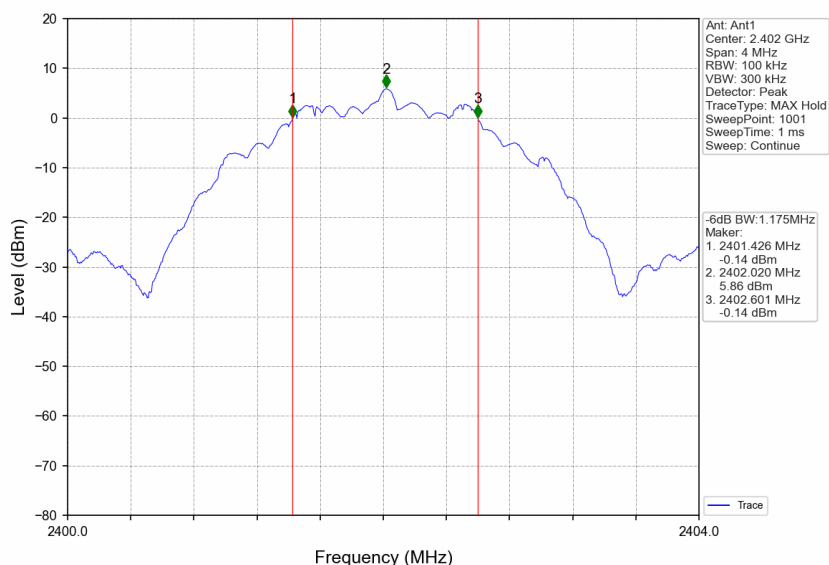
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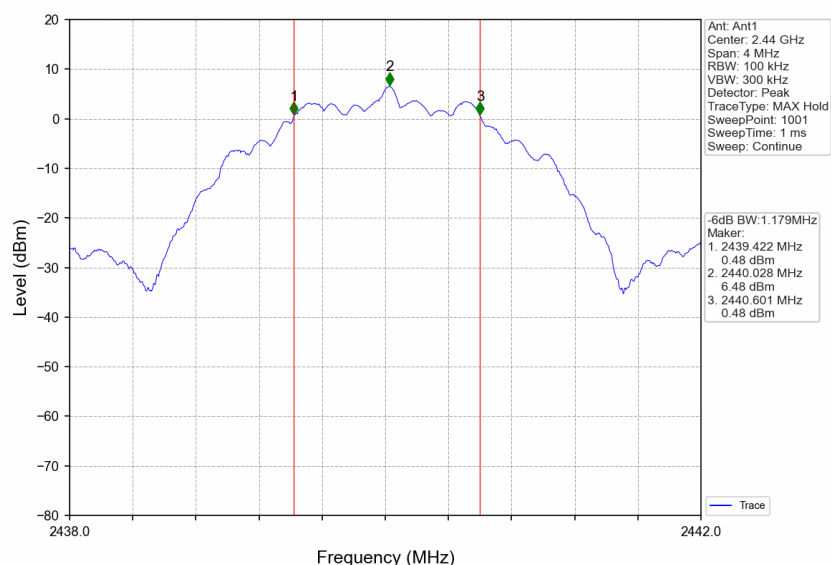
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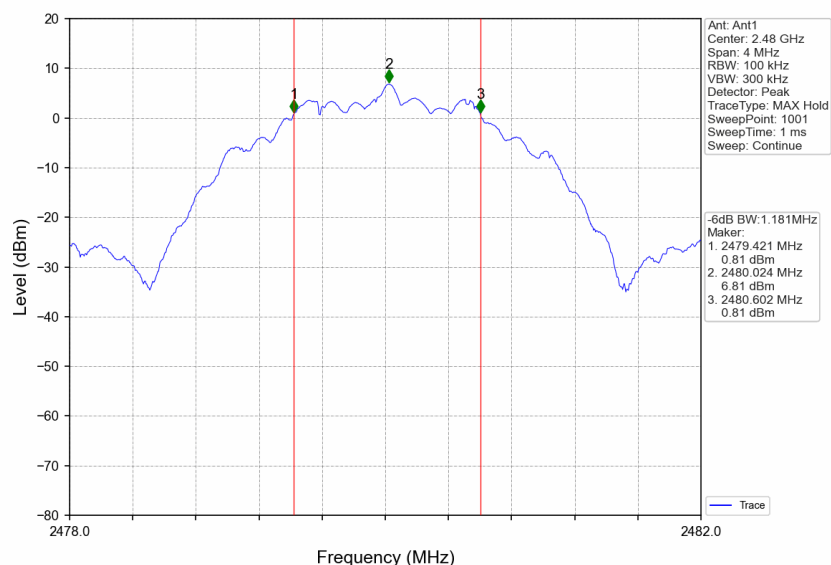
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### 3. Maximum Conducted Output Power

#### 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	6.05	<=30	Pass
		2440	6.67	<=30	Pass
		2480	7.02	<=30	Pass
2M	SISO	2402	6.06	<=30	Pass
		2440	6.70	<=30	Pass
		2480	7.02	<=30	Pass

Note1: Antenna Gain: Ant1: -4.70dBi;



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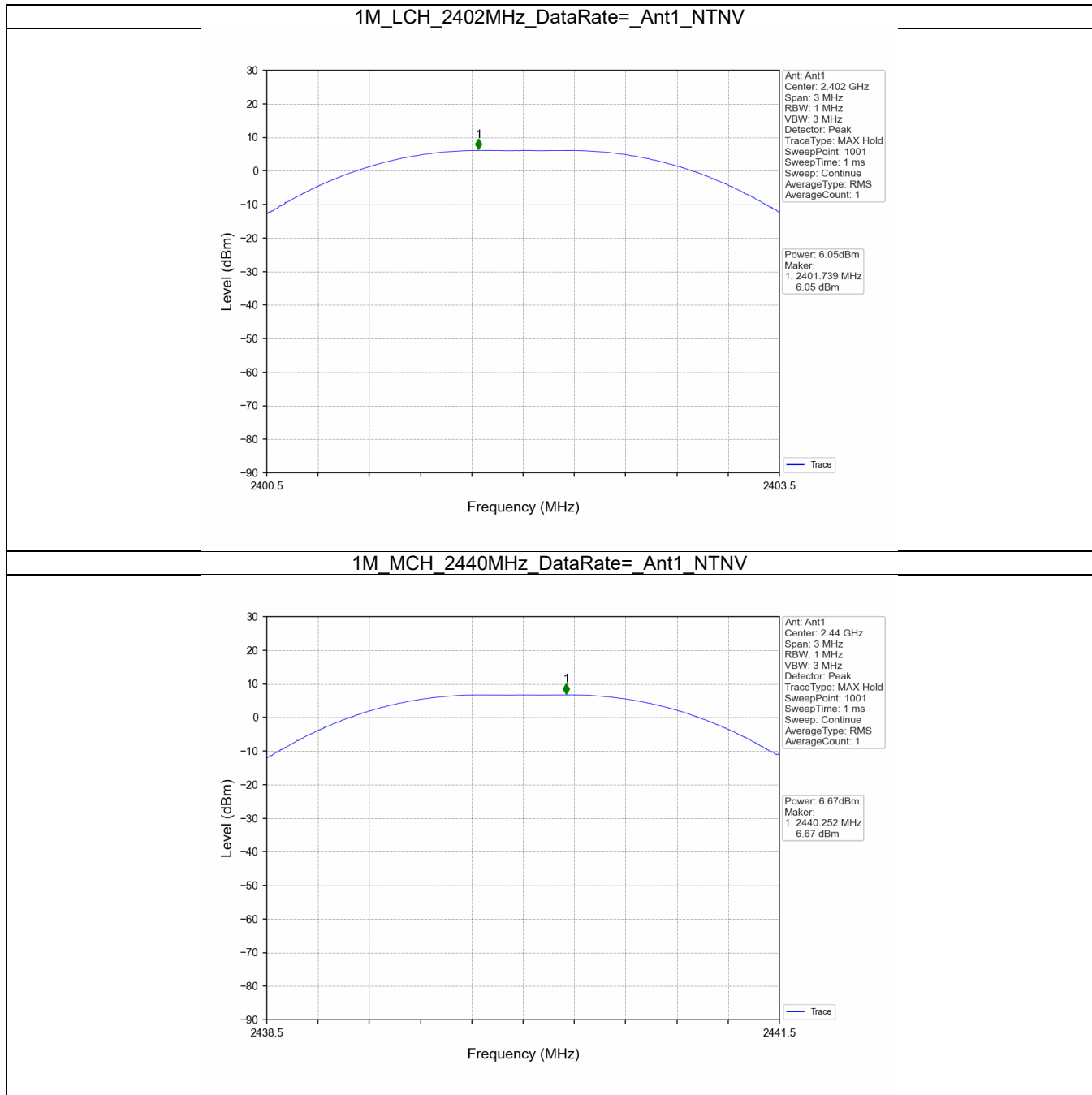
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### 3.1.2 Test Graph



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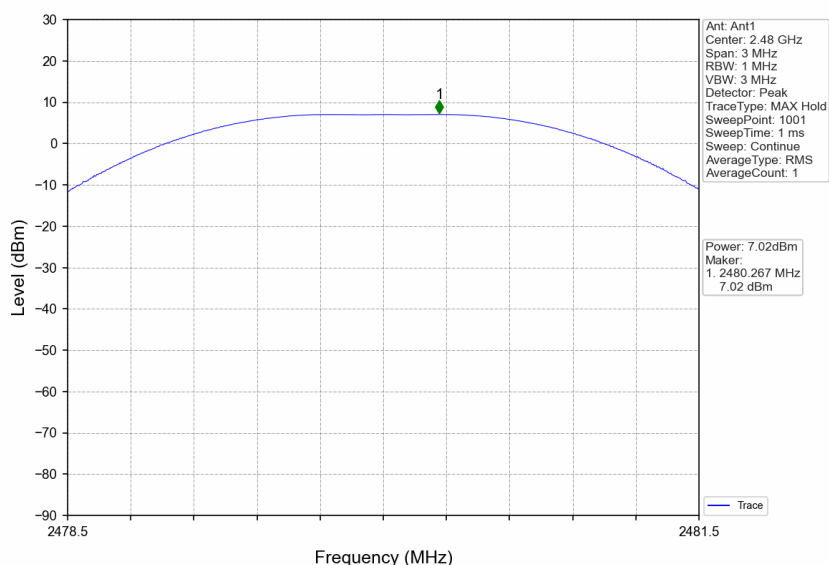
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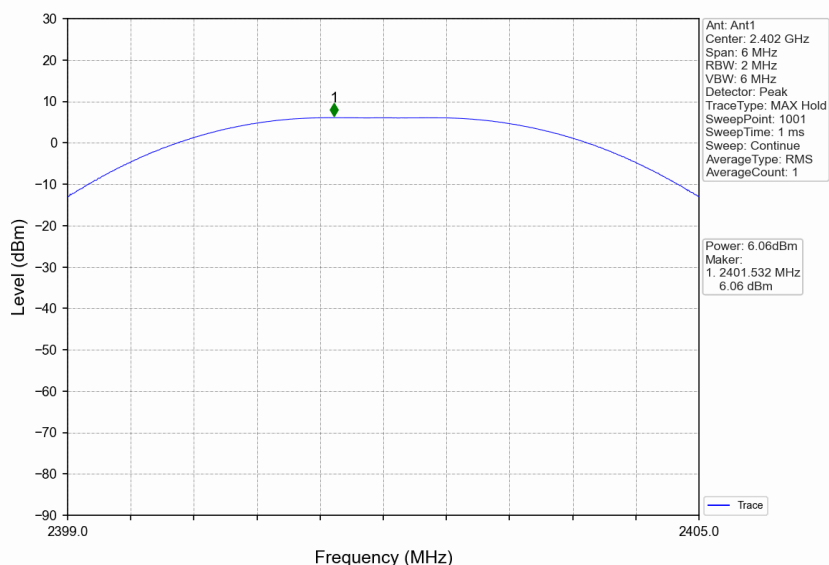
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2M\_LCH\_2402MHz\_DataRate= Ant1\_NTNV



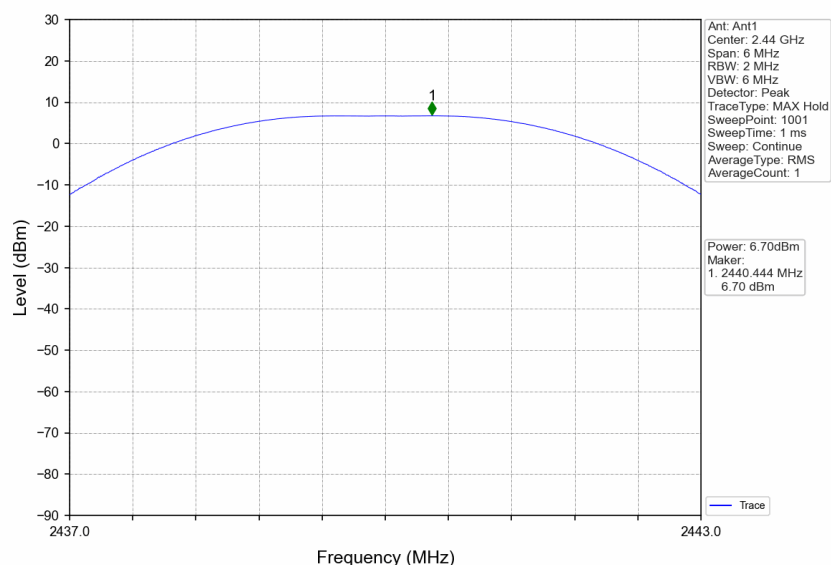
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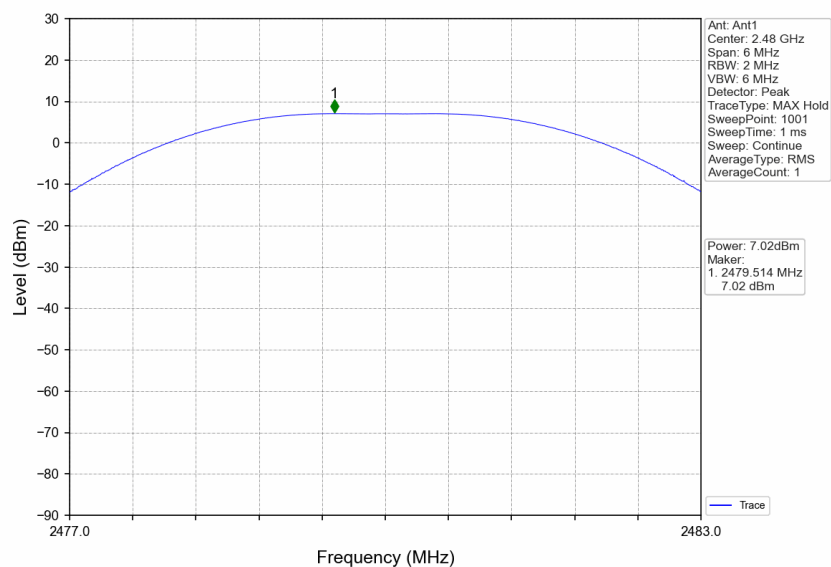
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## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1M	SISO	2402	-10.05	<=8	Pass
		2440	-9.50	<=8	Pass
		2480	-9.36	<=8	Pass
2M	SISO	2402	-12.35	<=8	Pass
		2440	-11.62	<=8	Pass
		2480	-11.36	<=8	Pass

Note1: Antenna Gain: Ant1: -4.70dBi;



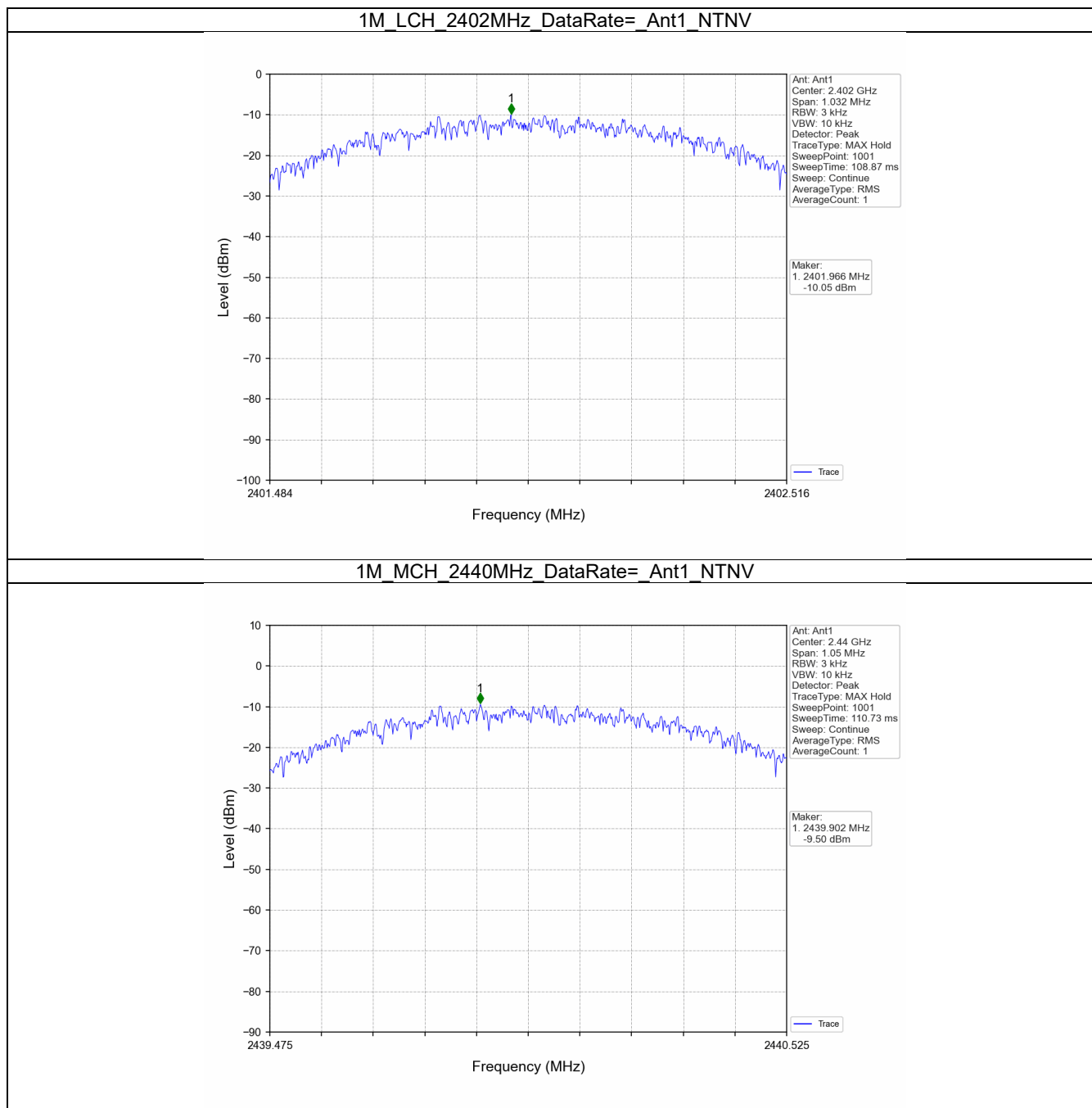
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## 4.1.2 Test Graph



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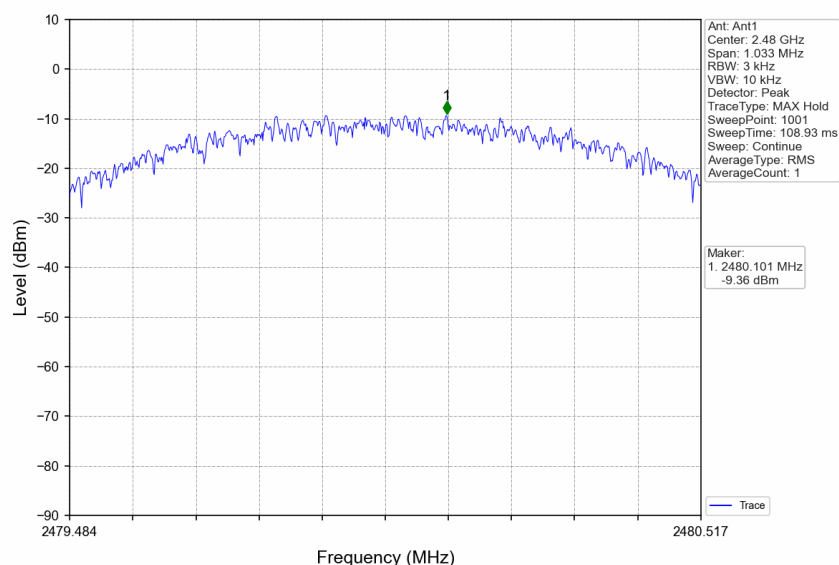
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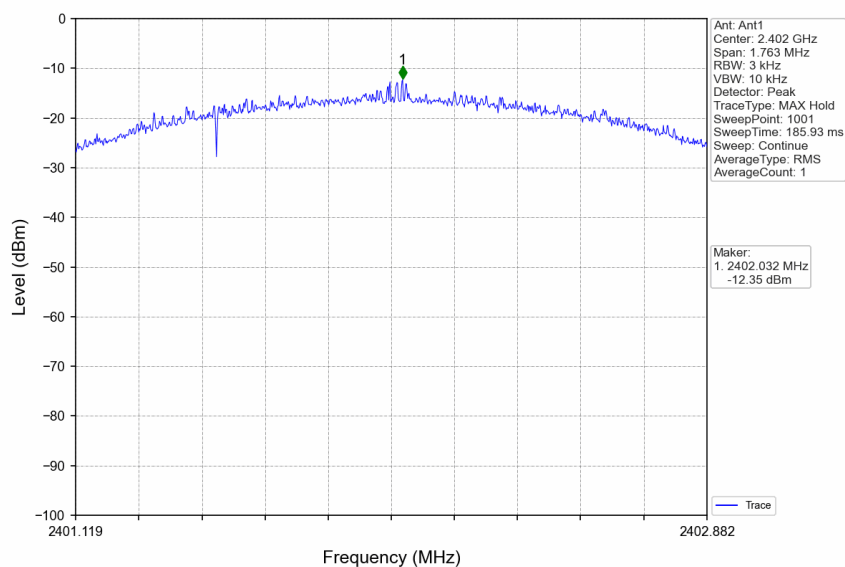
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2M\_LCH\_2402MHz\_DataRate=\_Ant1\_NTNV



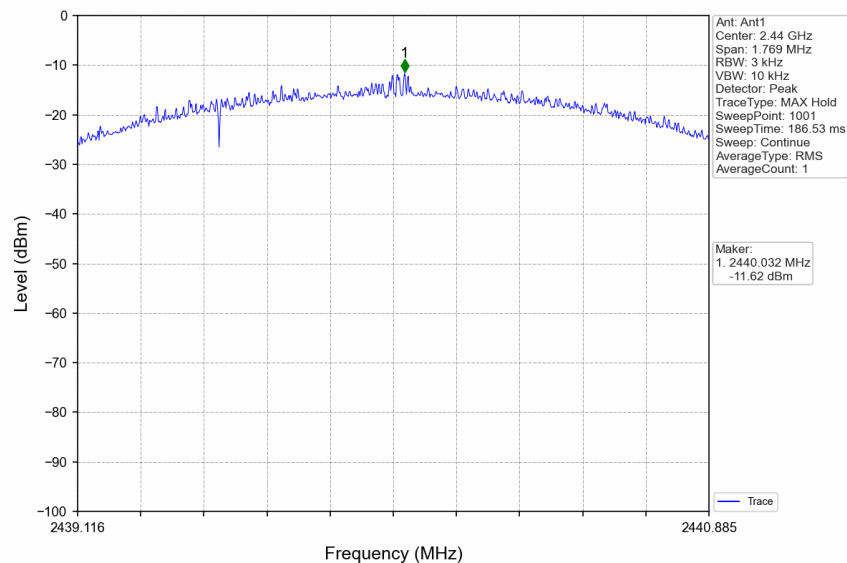
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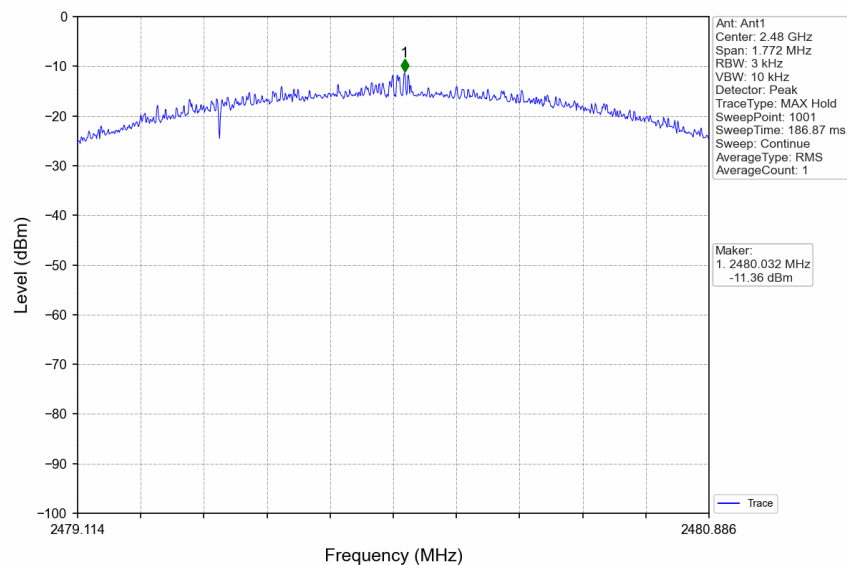
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## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
1M	SISO	2402	1	5.86
		2440	1	6.47
		2480	1	6.80
2M	SISO	2402	1	5.84
		2440	1	6.46
		2480	1	6.79

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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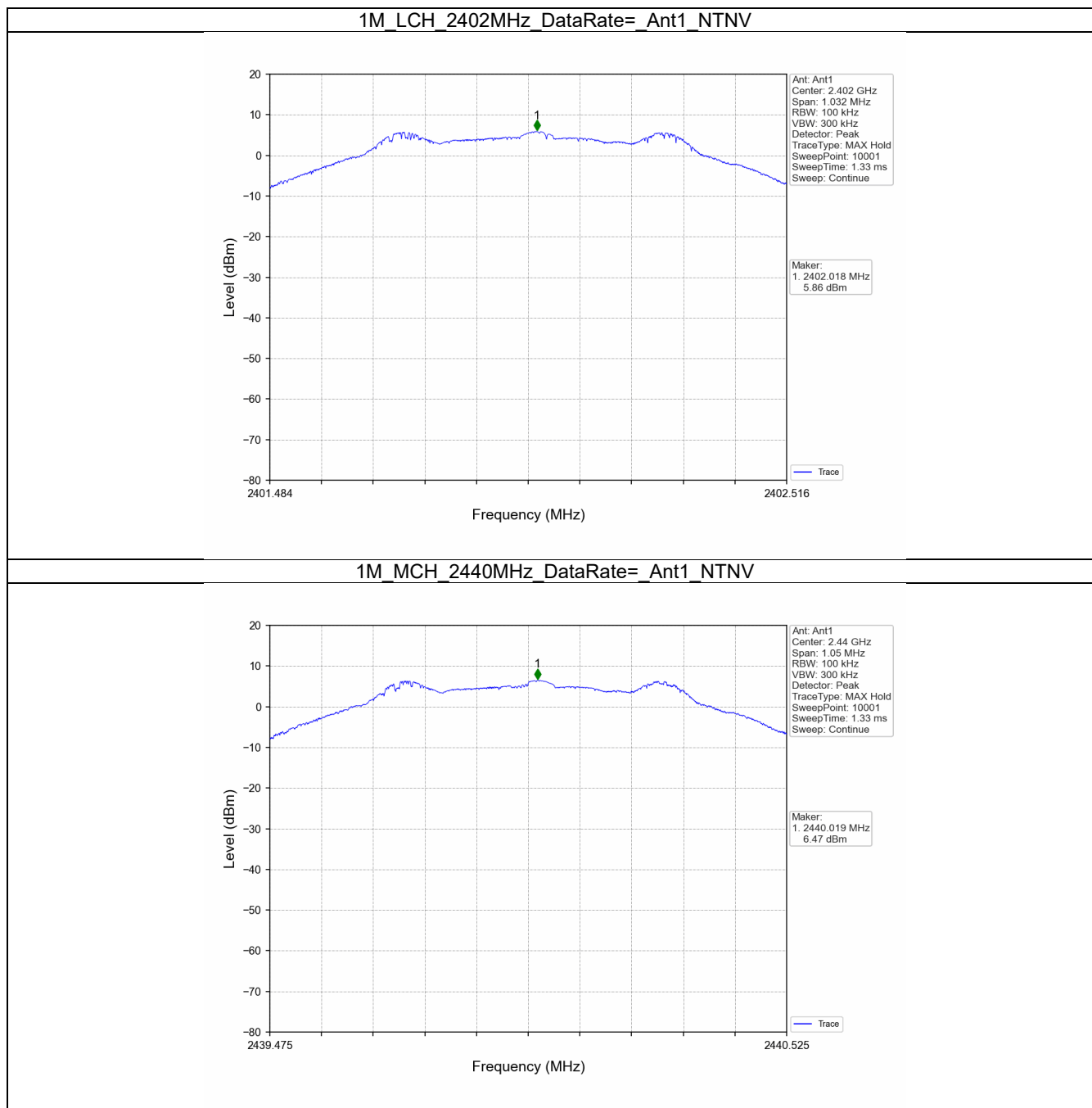
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## 5.1.2 Test Graph



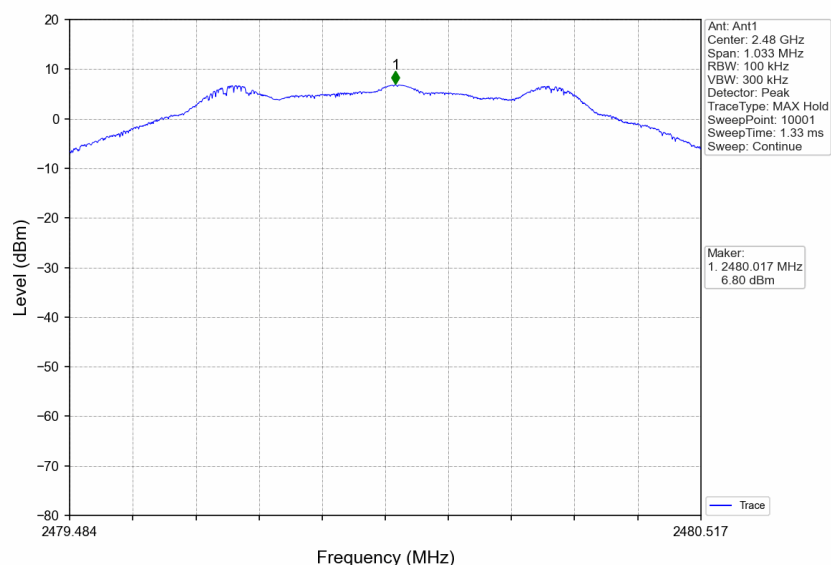
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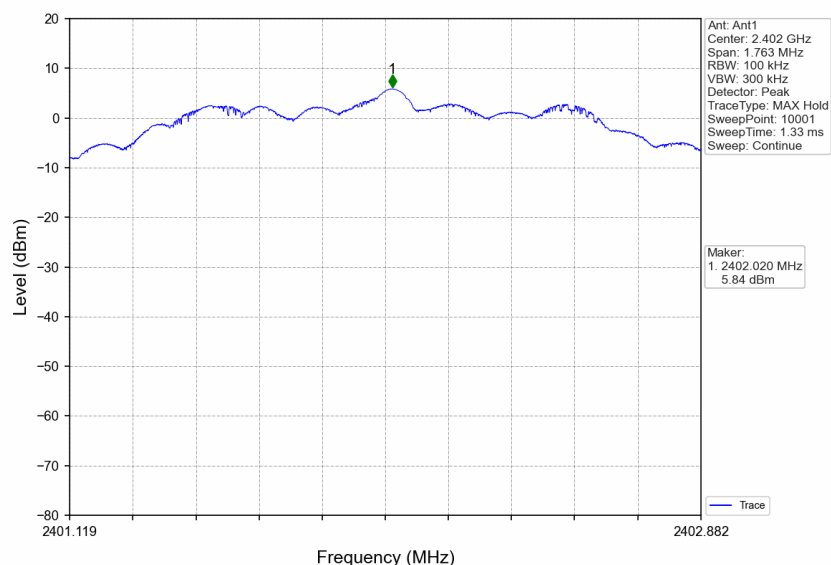
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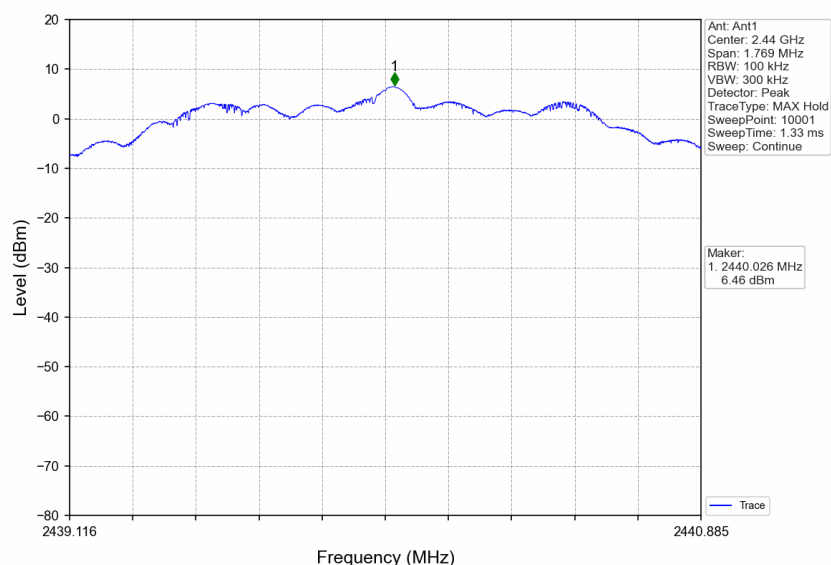
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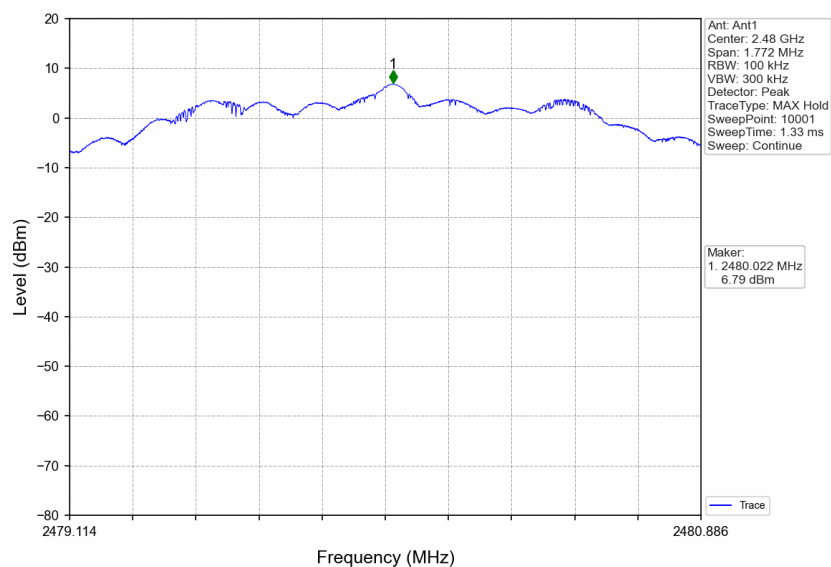
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## 5.2 CSE

### 5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	6.80	-13.20	Pass
		2440	1	6.80	-13.20	Pass
		2480	1	6.80	-13.20	Pass
2M	SISO	2402	1	6.79	-13.21	Pass
		2440	1	6.79	-13.21	Pass
		2480	1	6.79	-13.21	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.



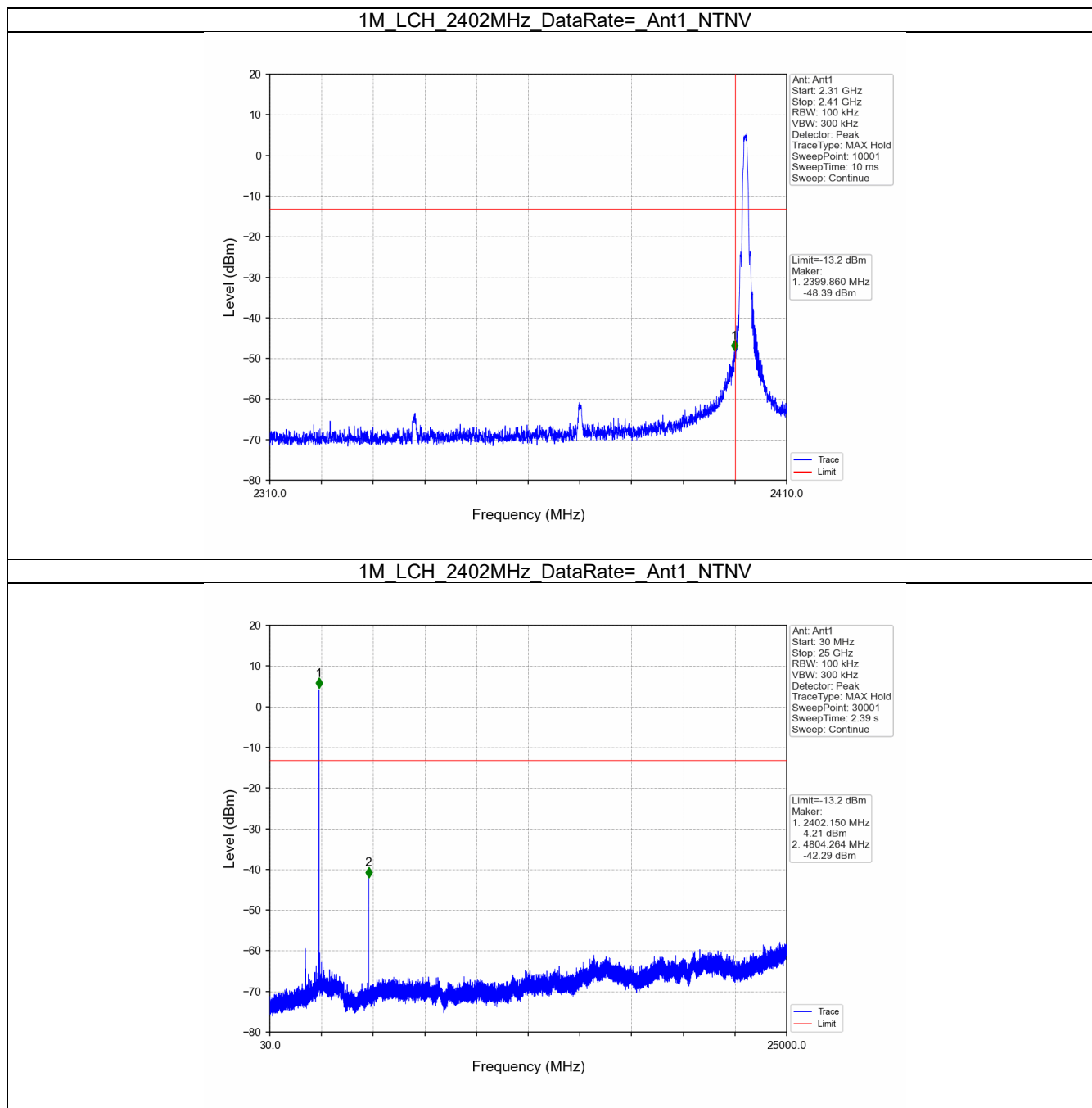
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## 5.2.2 Test Graph

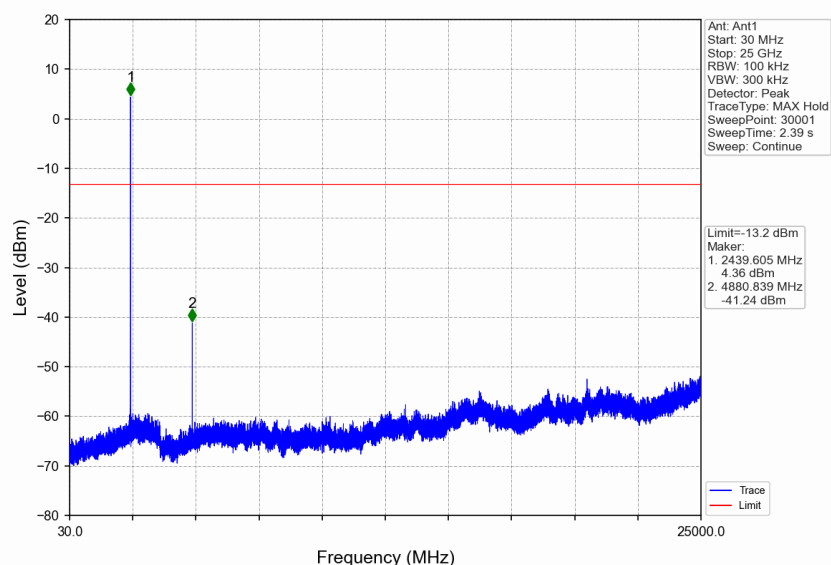


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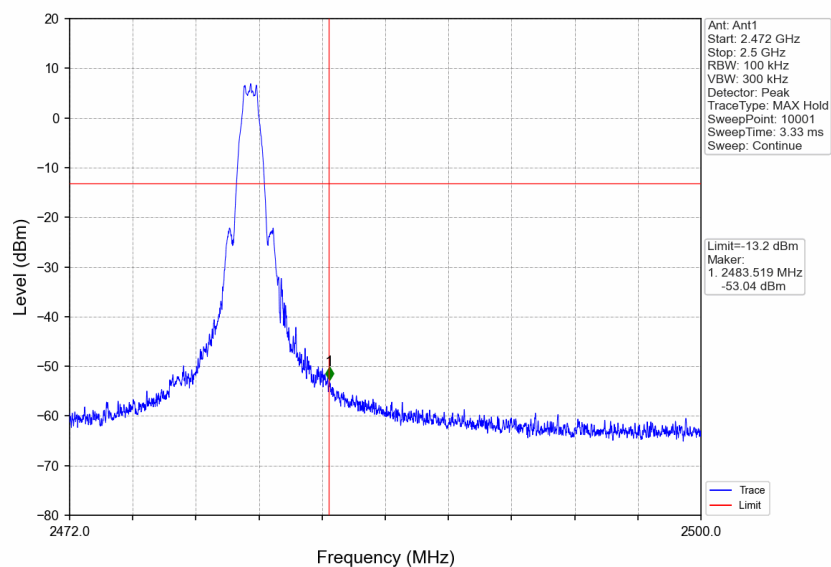
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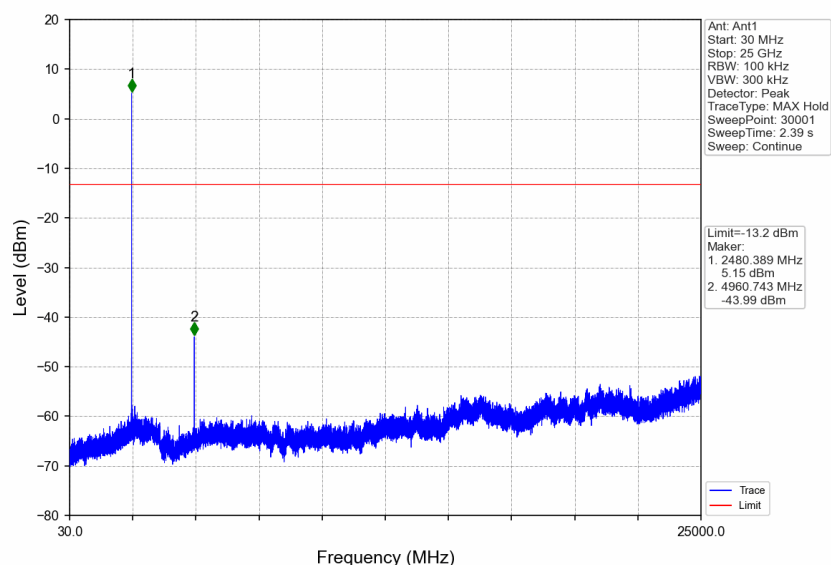
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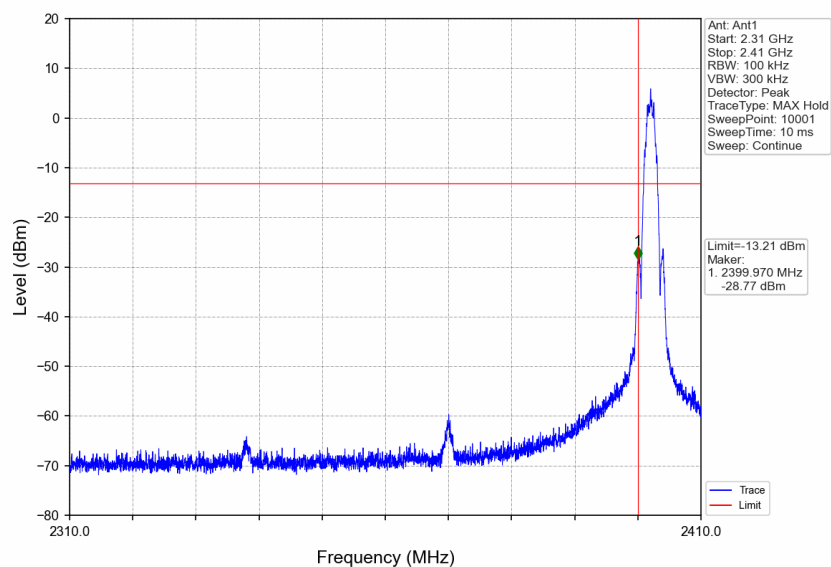
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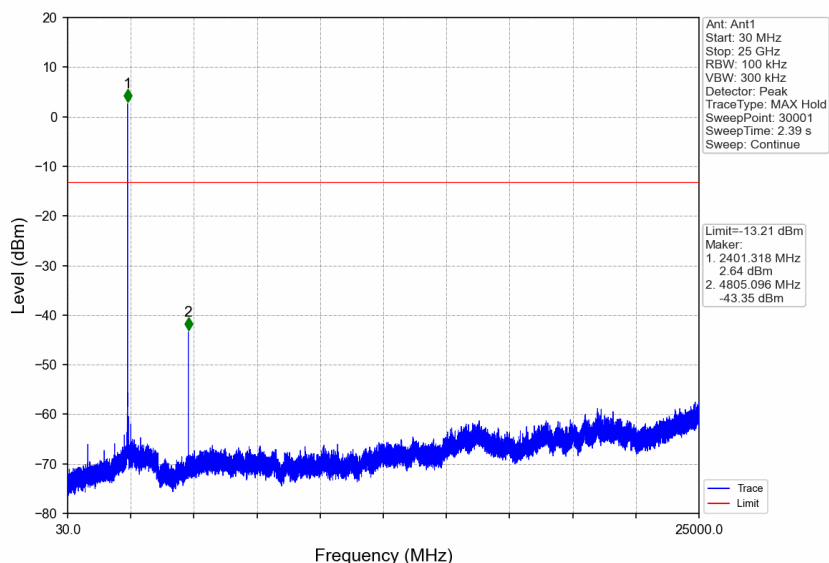
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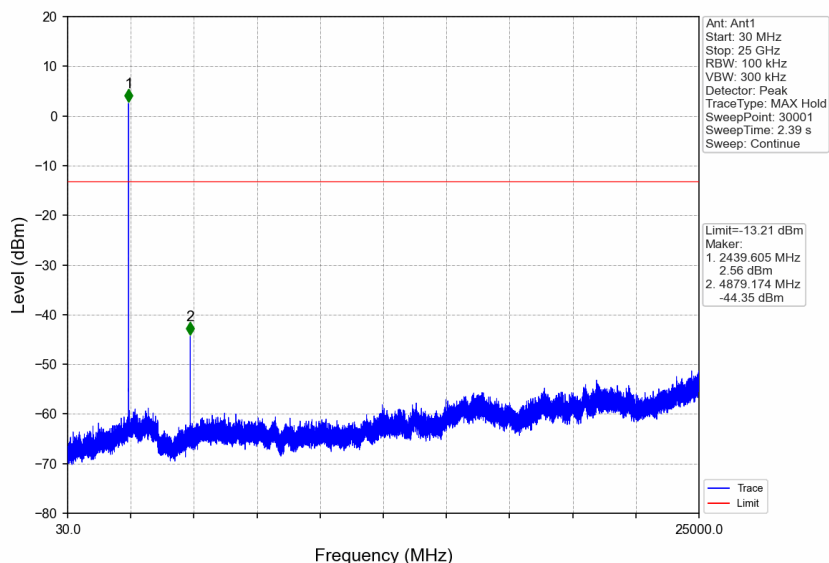
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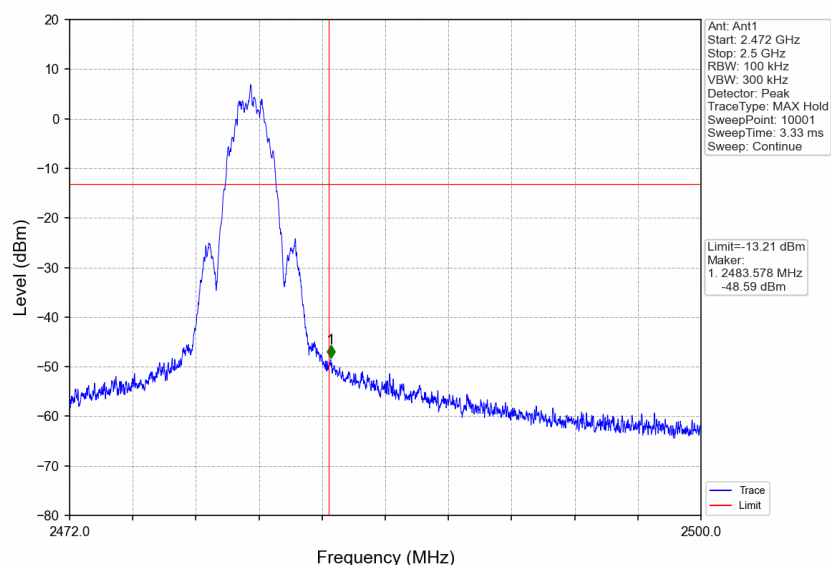
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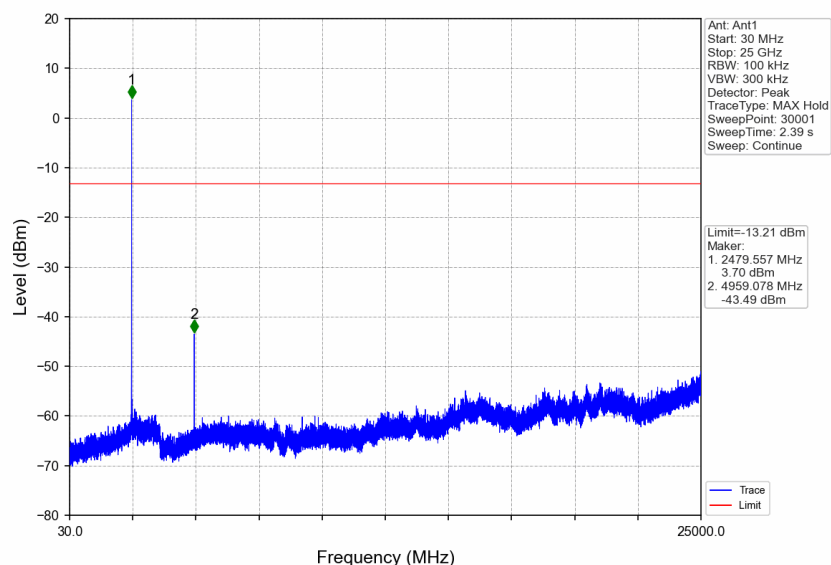
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