

Appendix C for SHEM210200133903

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

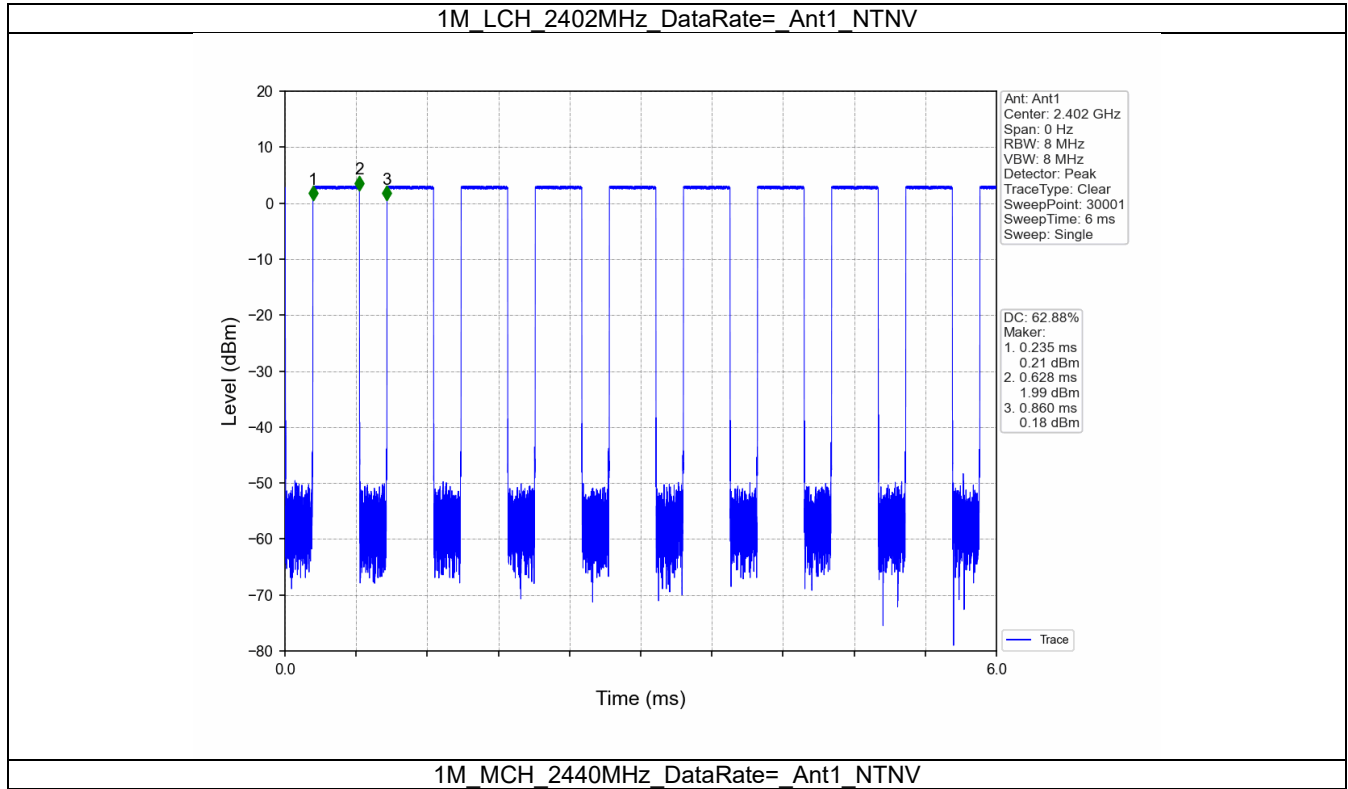
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.393	0.625	62.88	2.01	0.03
		2440	0.393	0.625	62.88	2.01	0.00
		2480	0.393	0.625	62.88	2.01	0.00



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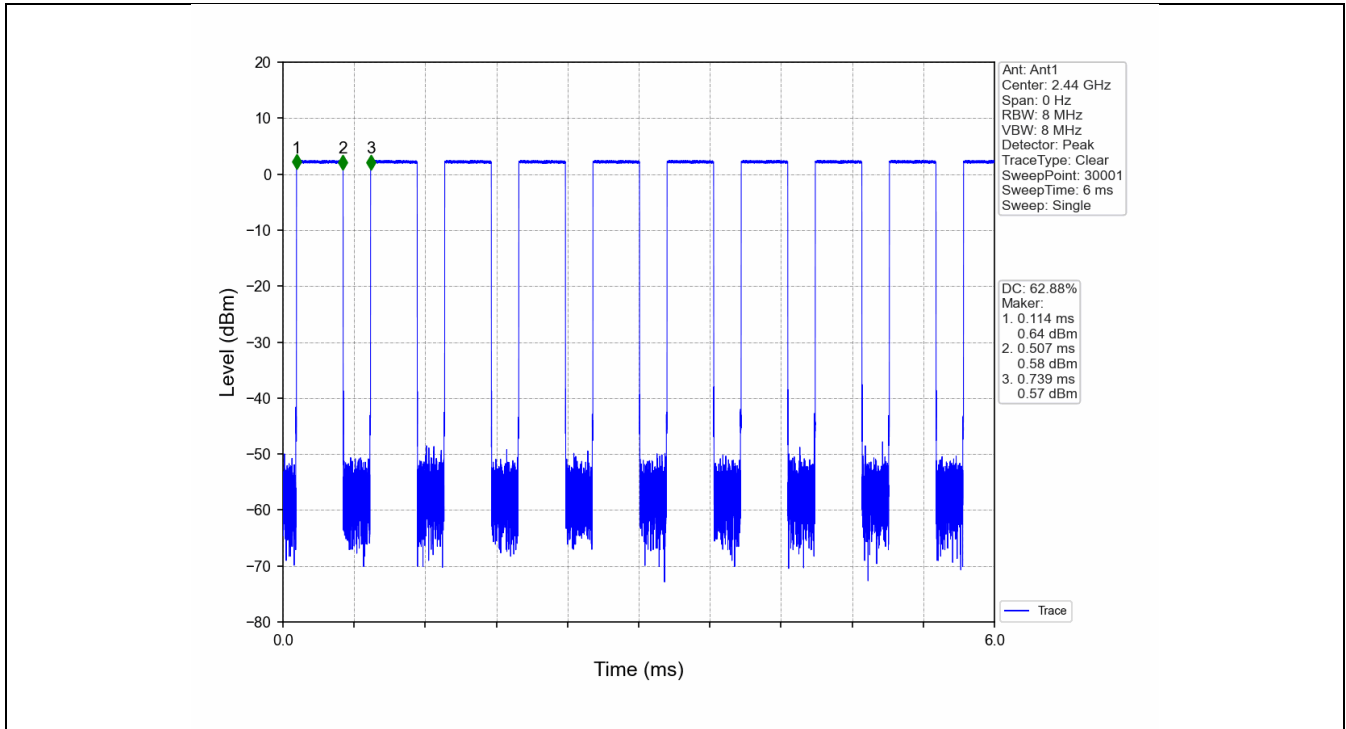
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1.1.2 Test Graph



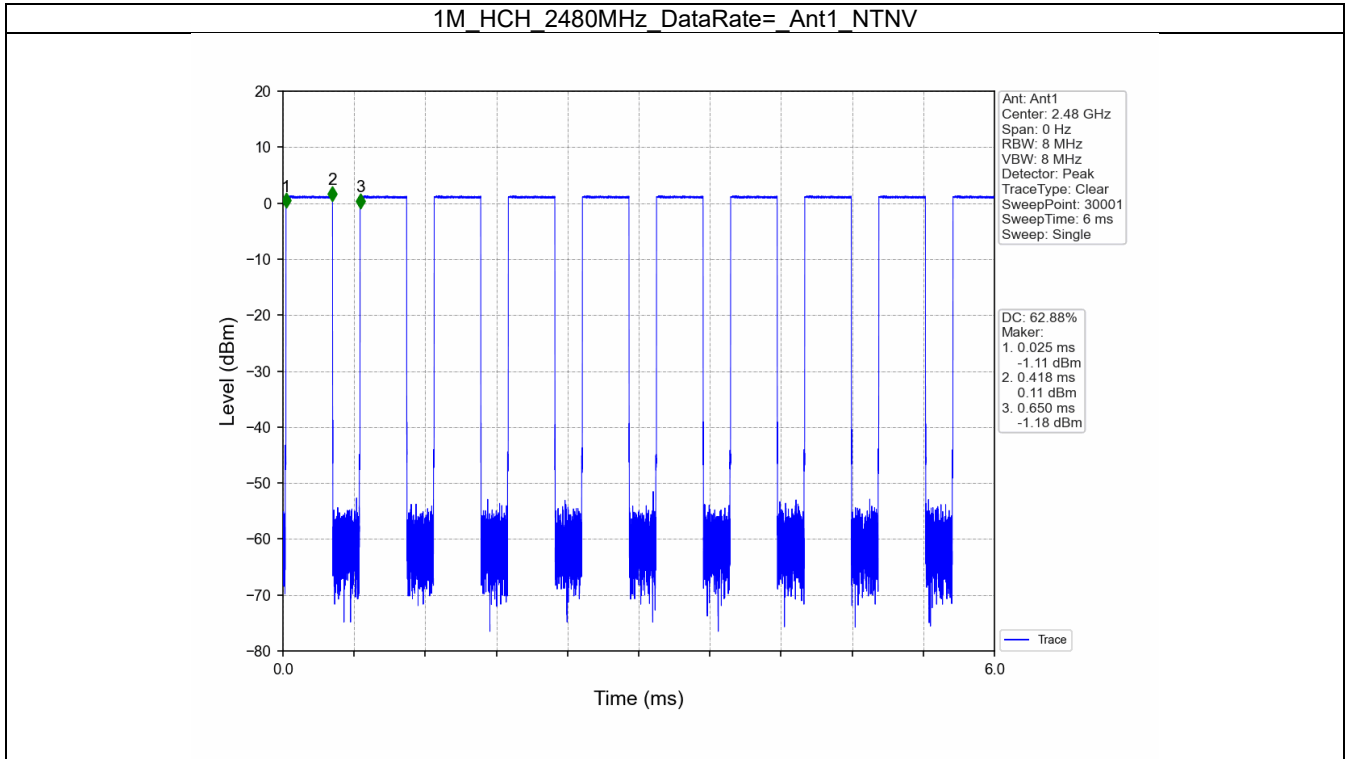
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

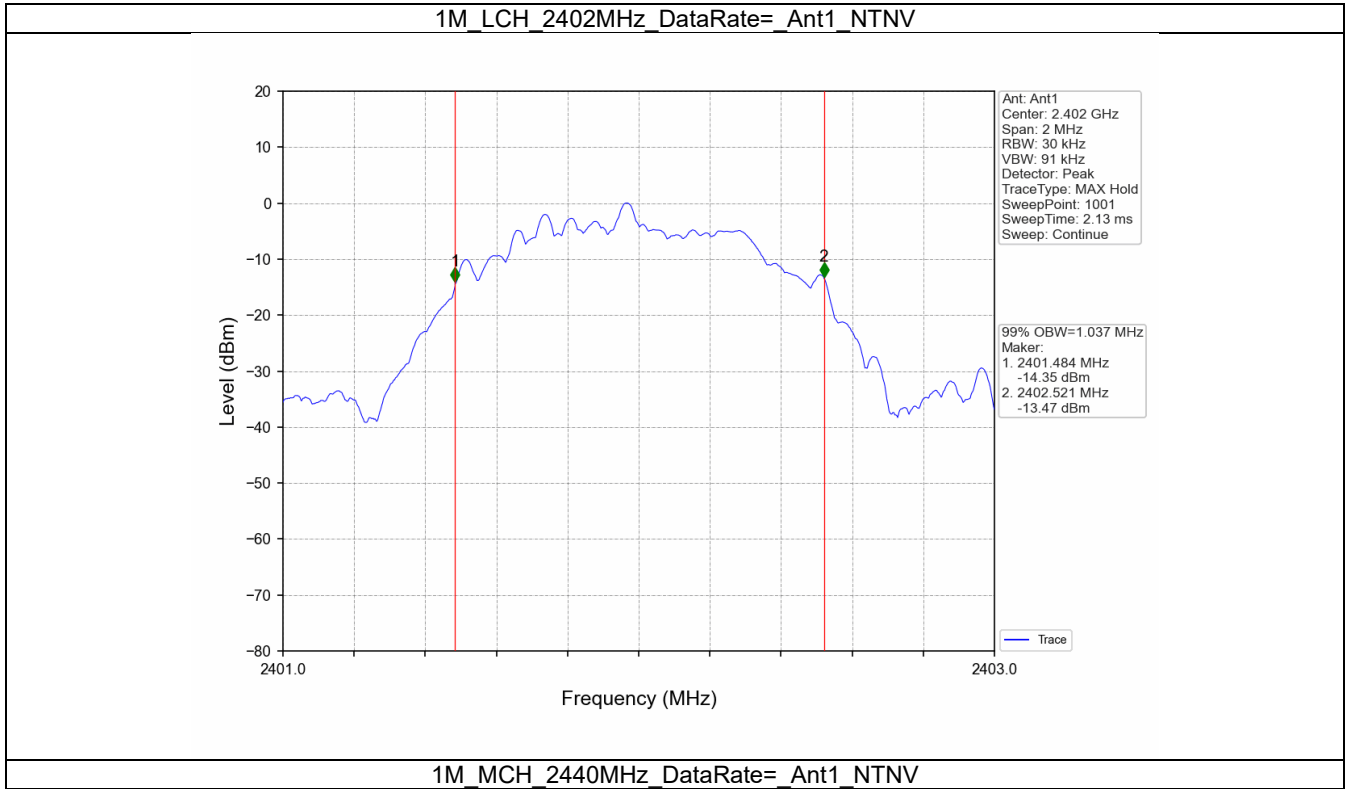
Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)		Verdict
				Result		
1M	SISO	2402	1	1.037		Pass
		2440	1	1.037		Pass
		2480	1	1.039		Pass



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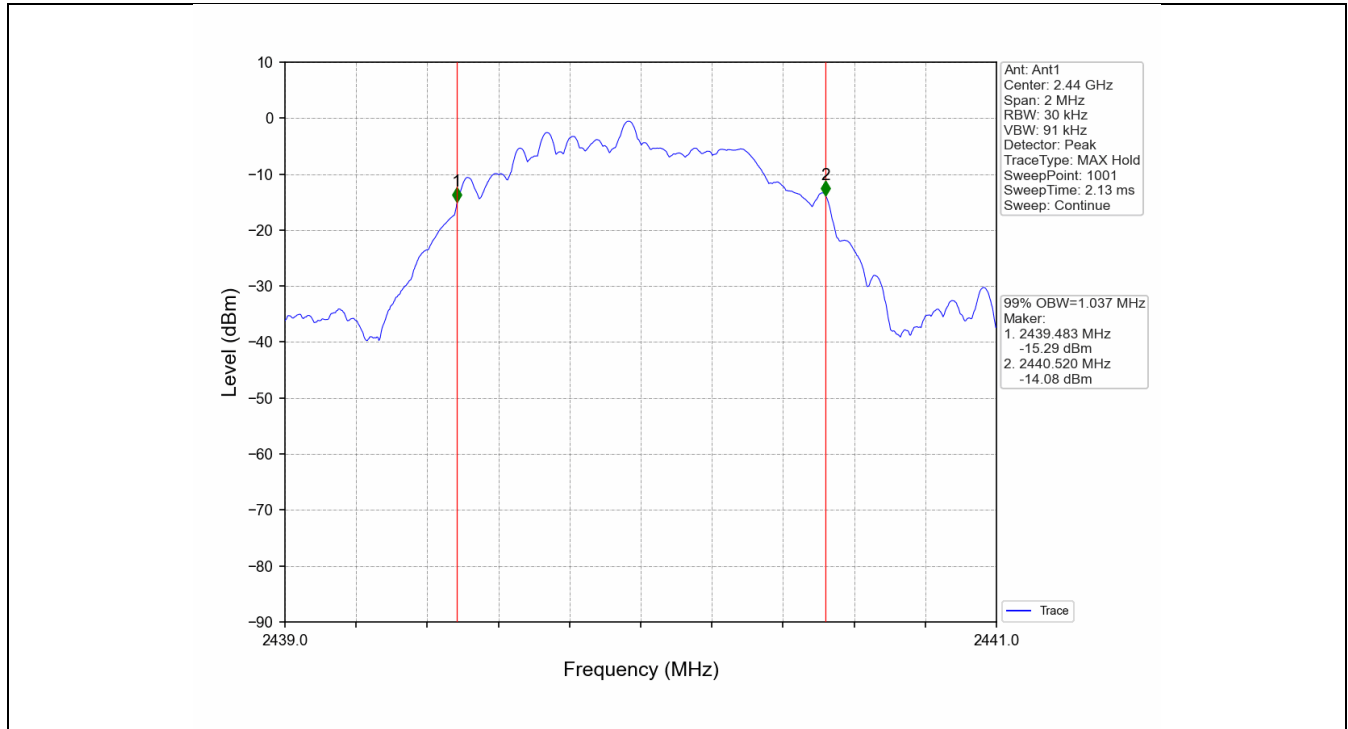
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2.1.2 Test Graph



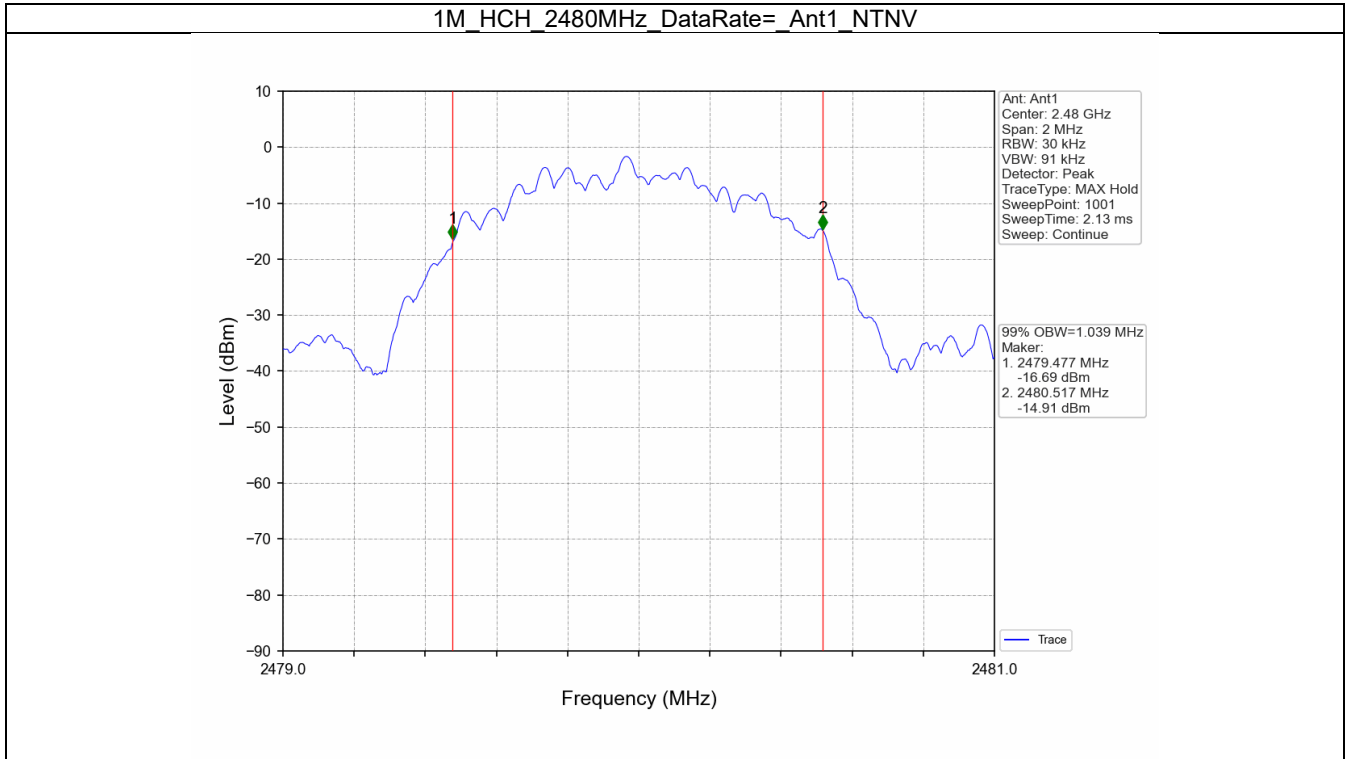
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2.2 6dB BW

2.2.1 Test Result

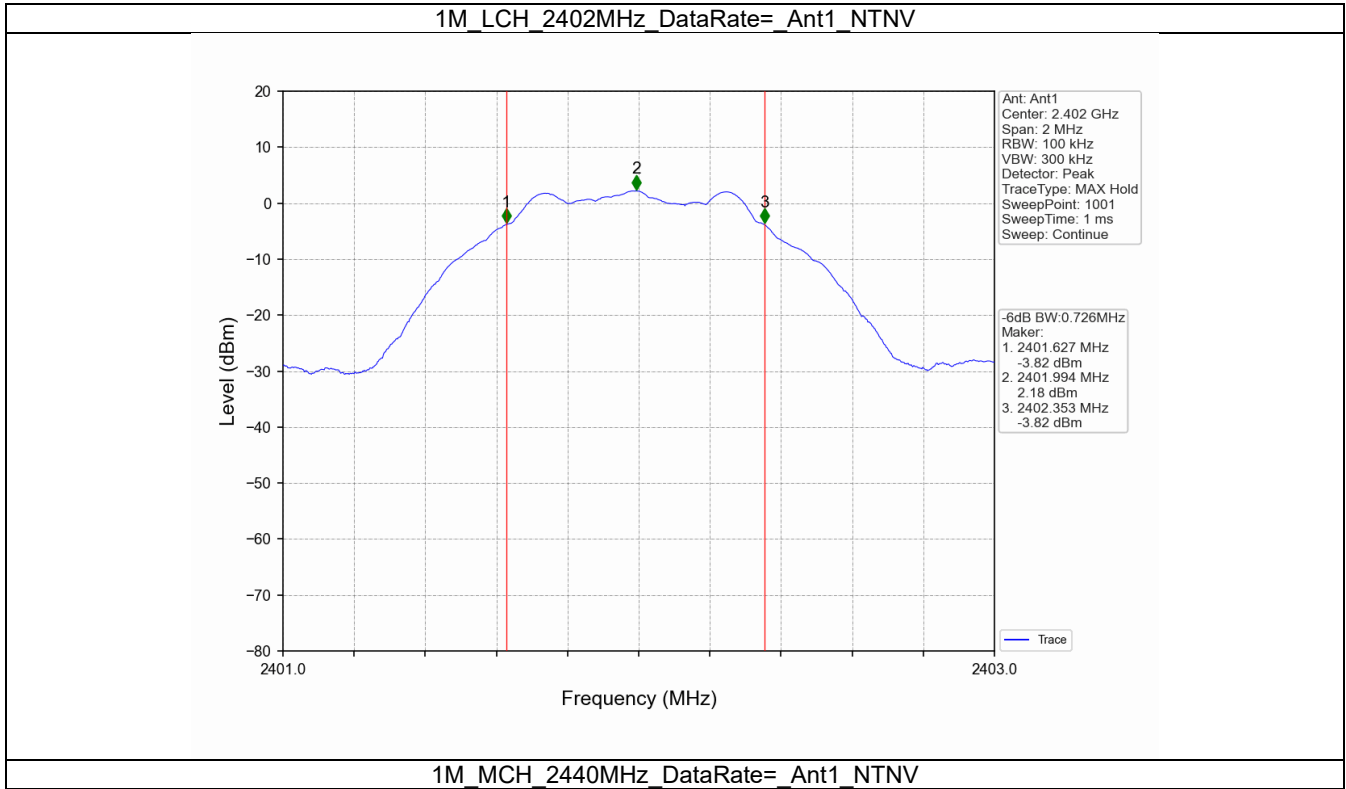
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.726	>=0.5	Pass
		2440	1	0.723	>=0.5	Pass
		2480	1	0.720	>=0.5	Pass



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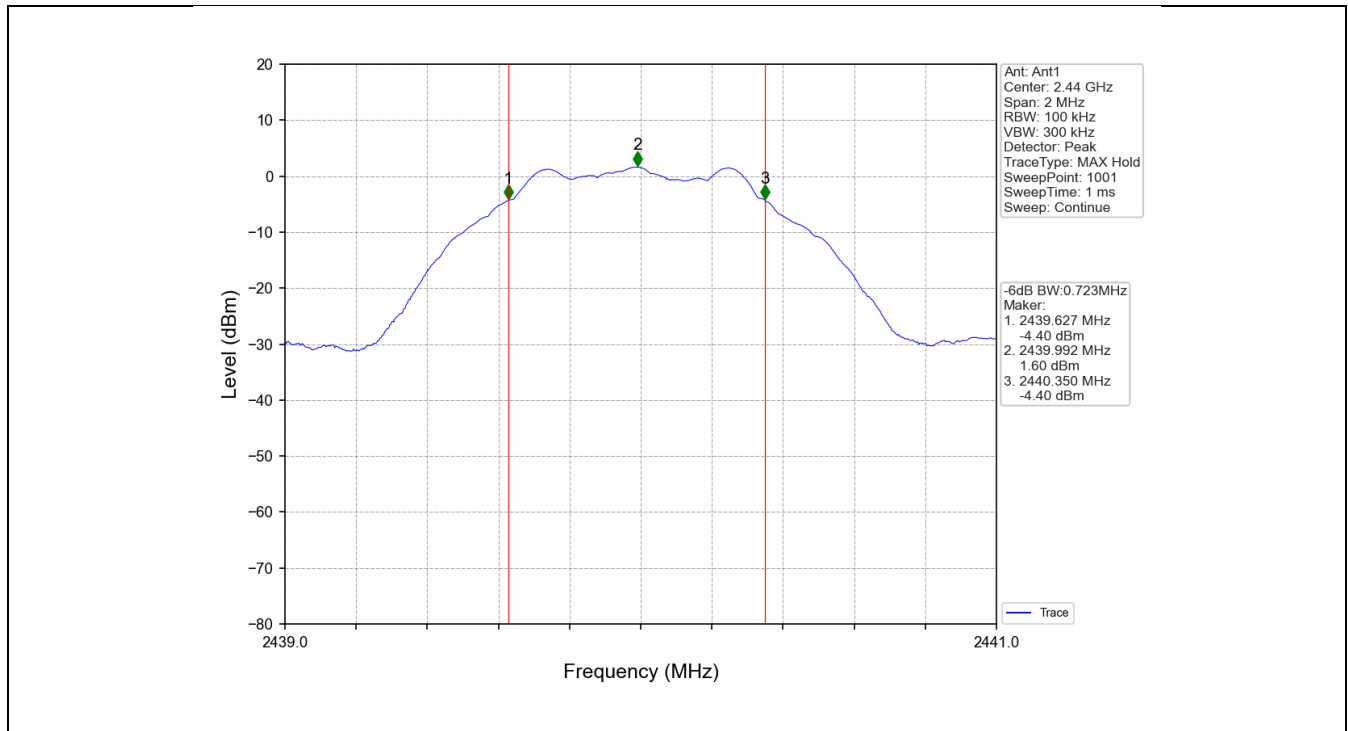
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2.2.2 Test Graph



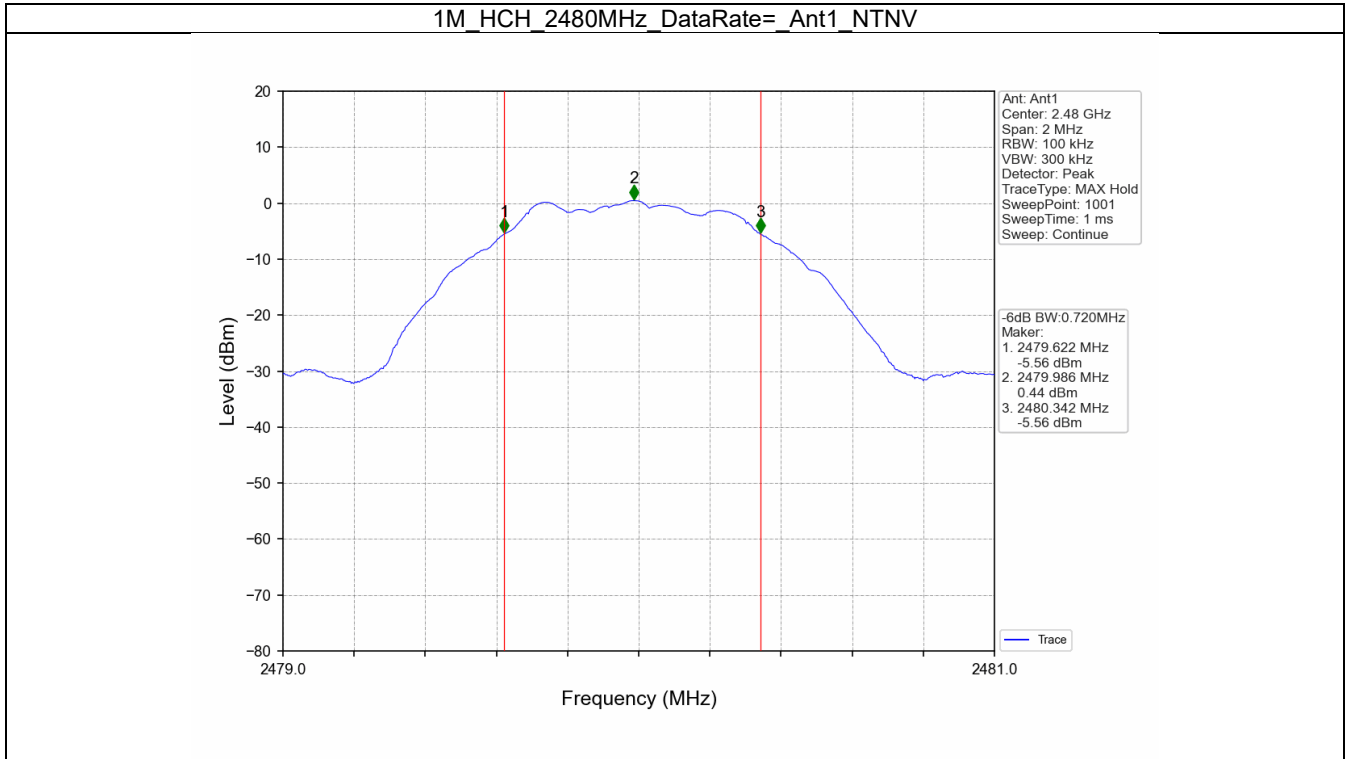
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3. Maximum Conducted Output Power

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	2.92	<=30	Pass
		2440	2.36	<=30	Pass
		2480	1.23	<=30	Pass

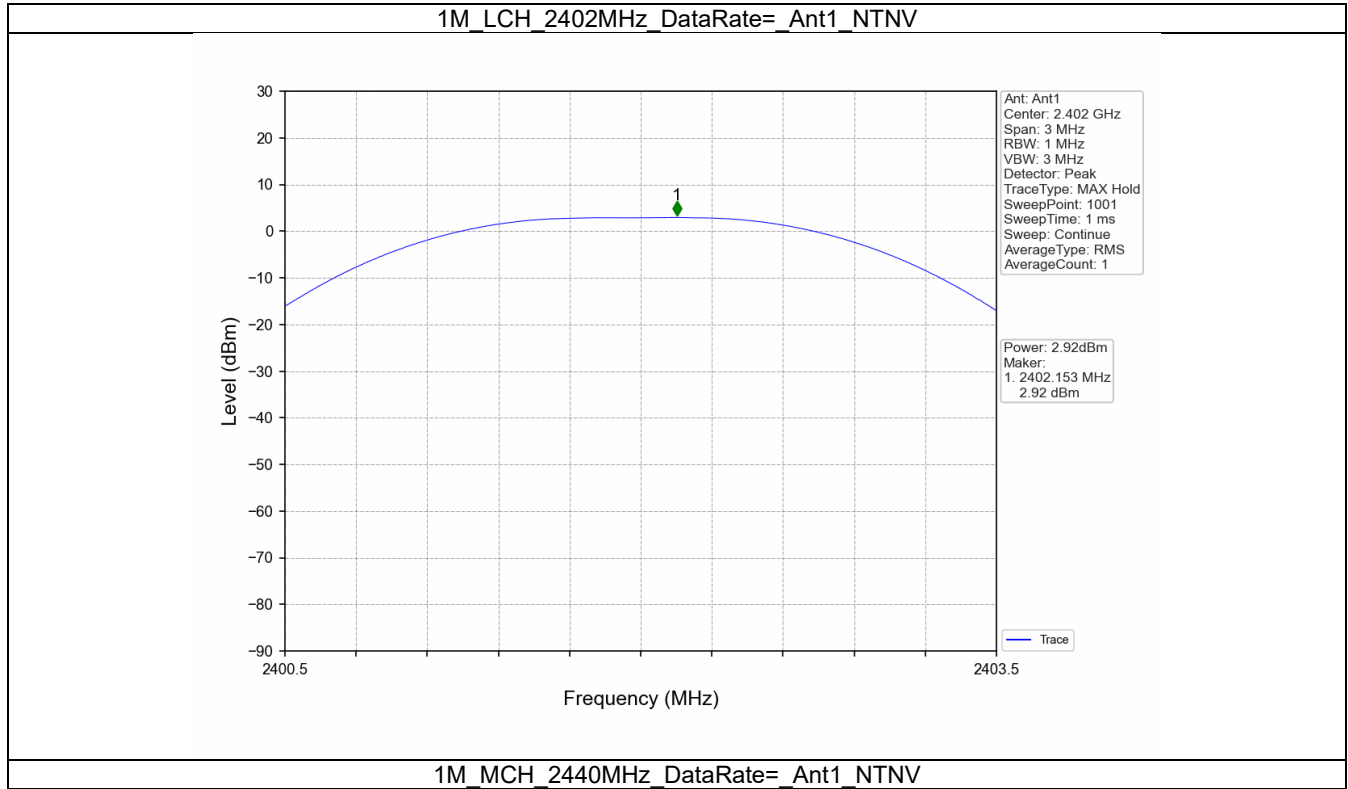
Note1: Antenna Gain: Ant1: 3.39dBi;



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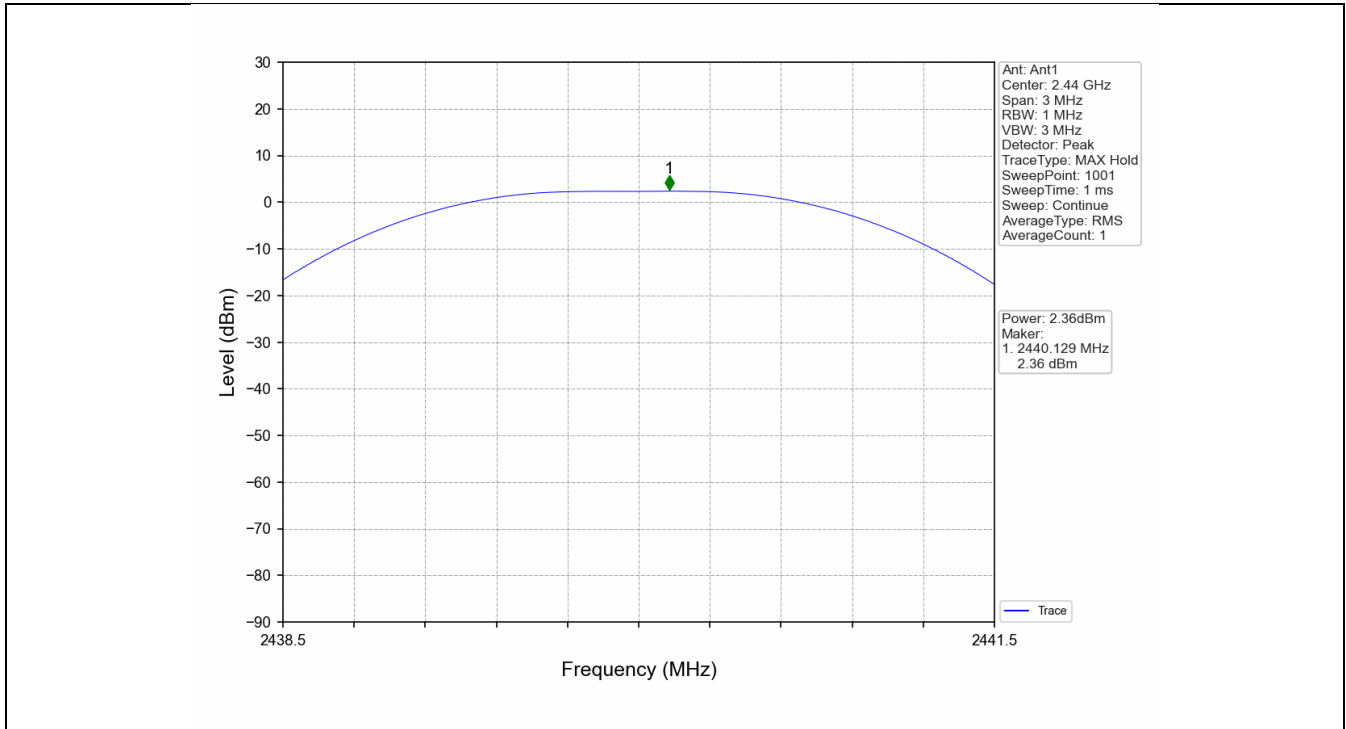
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3.1.2 Test Graph



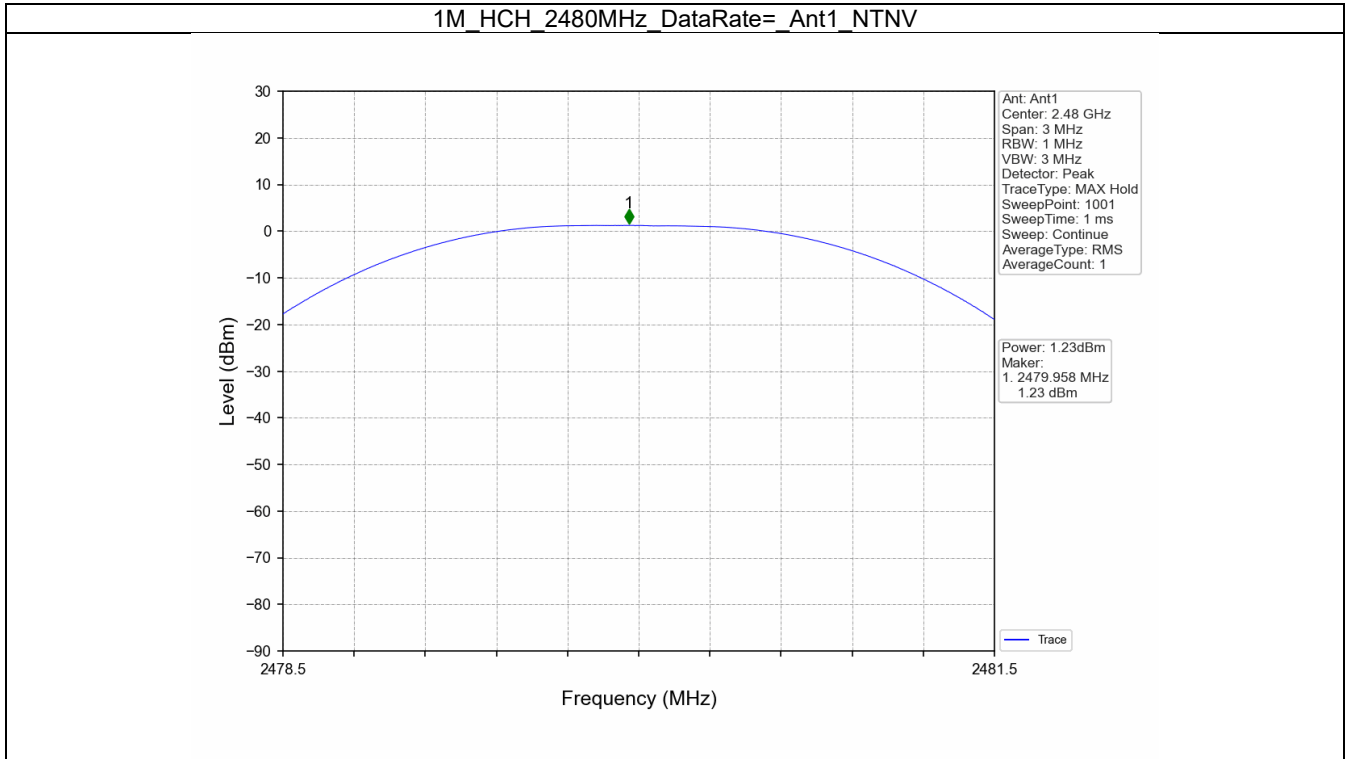
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1M	SISO	2402	-11.96	<=8	Pass
		2440	-12.47	<=8	Pass
		2480	-14.15	<=8	Pass

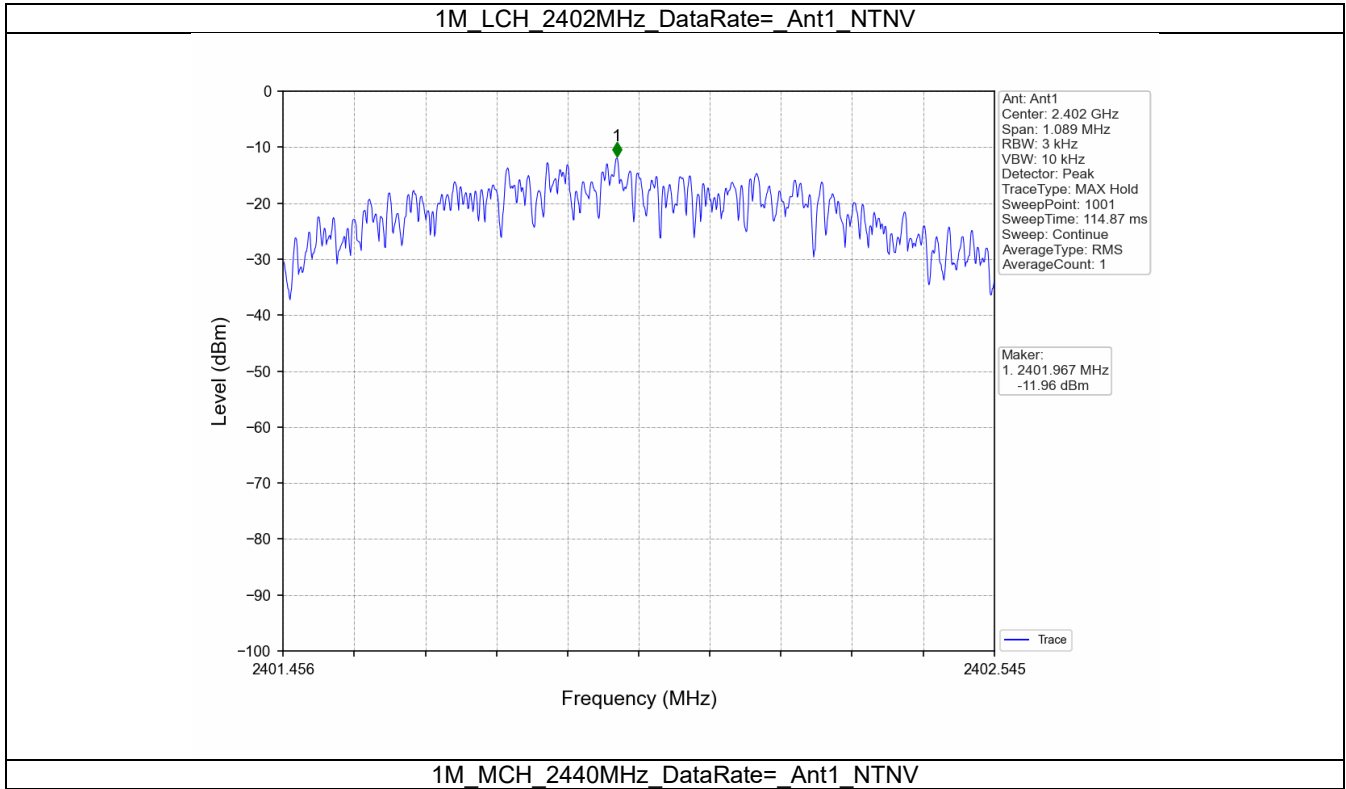
Note1: Antenna Gain: Ant1: 3.39dBi;



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4.1.2 Test Graph

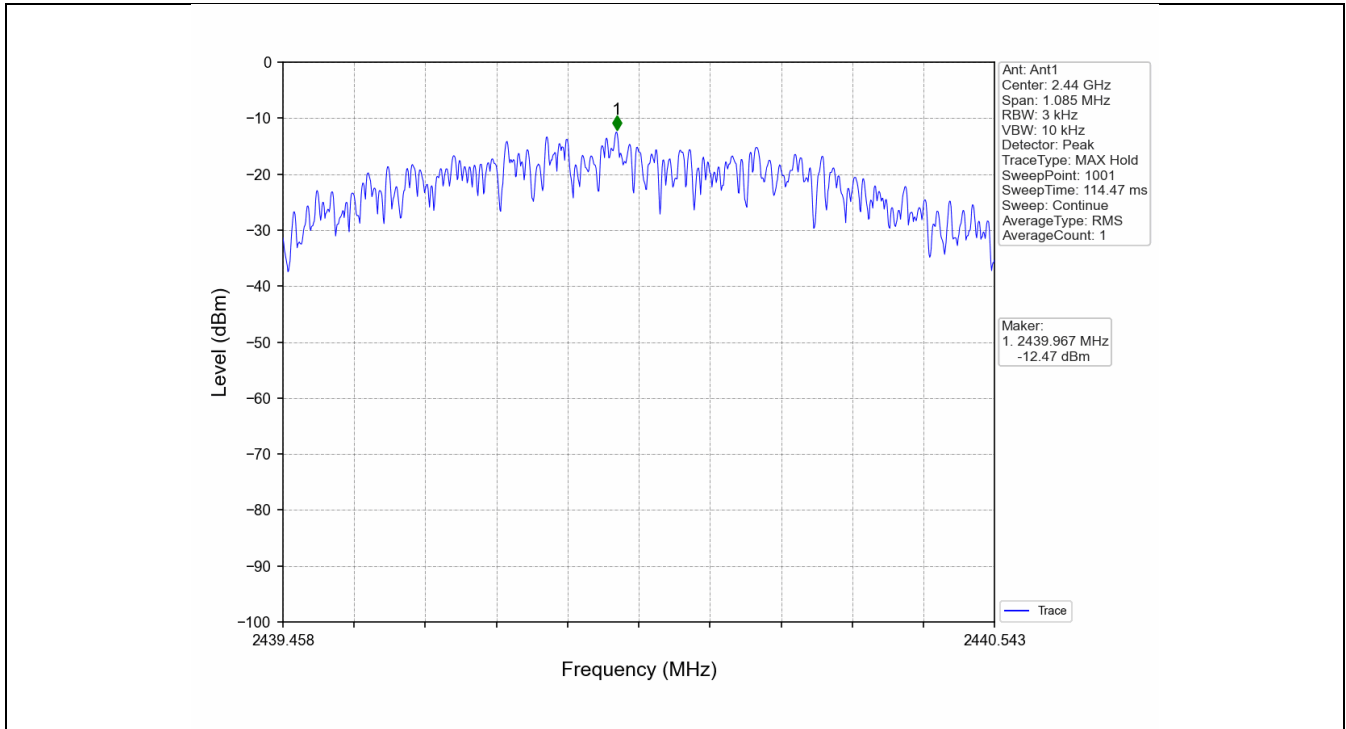


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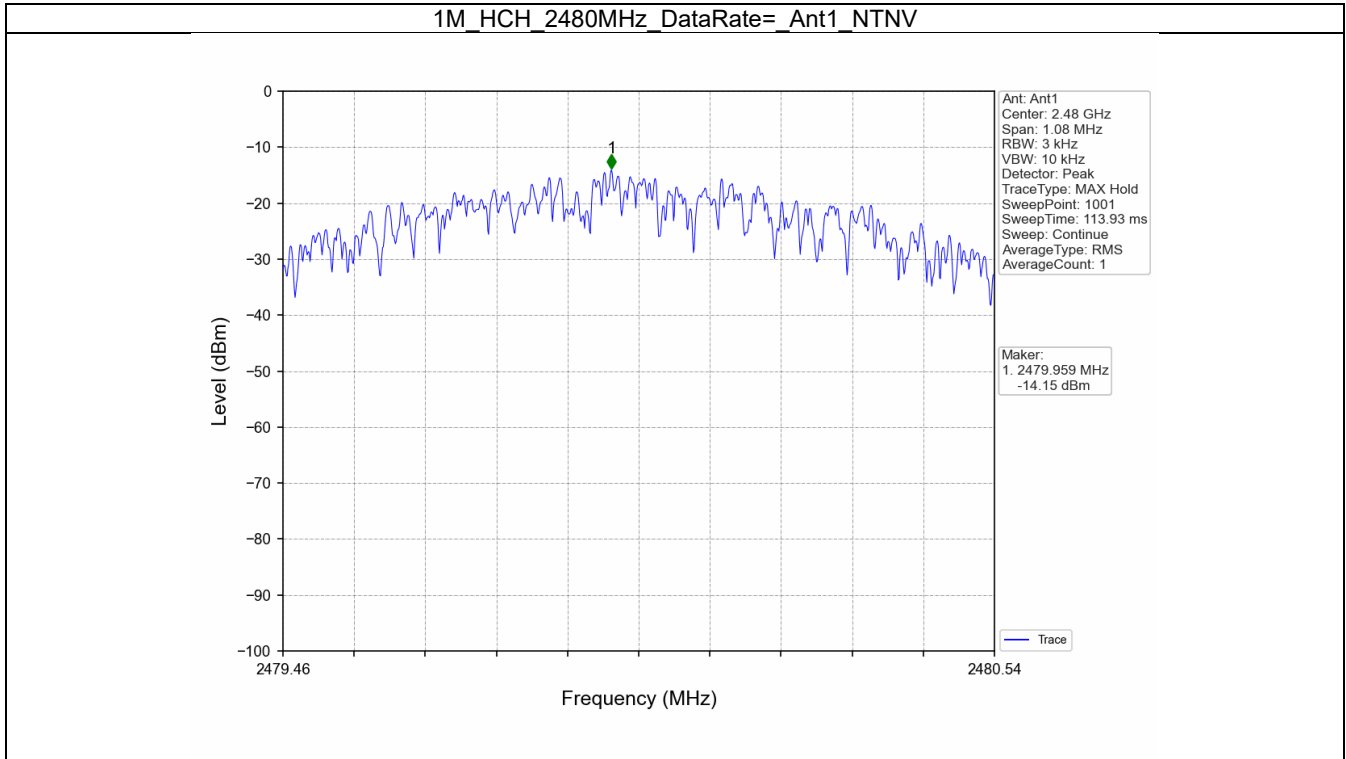
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
1M	SISO	2402	1	2.19
		2440	1	1.63
		2480	1	0.45

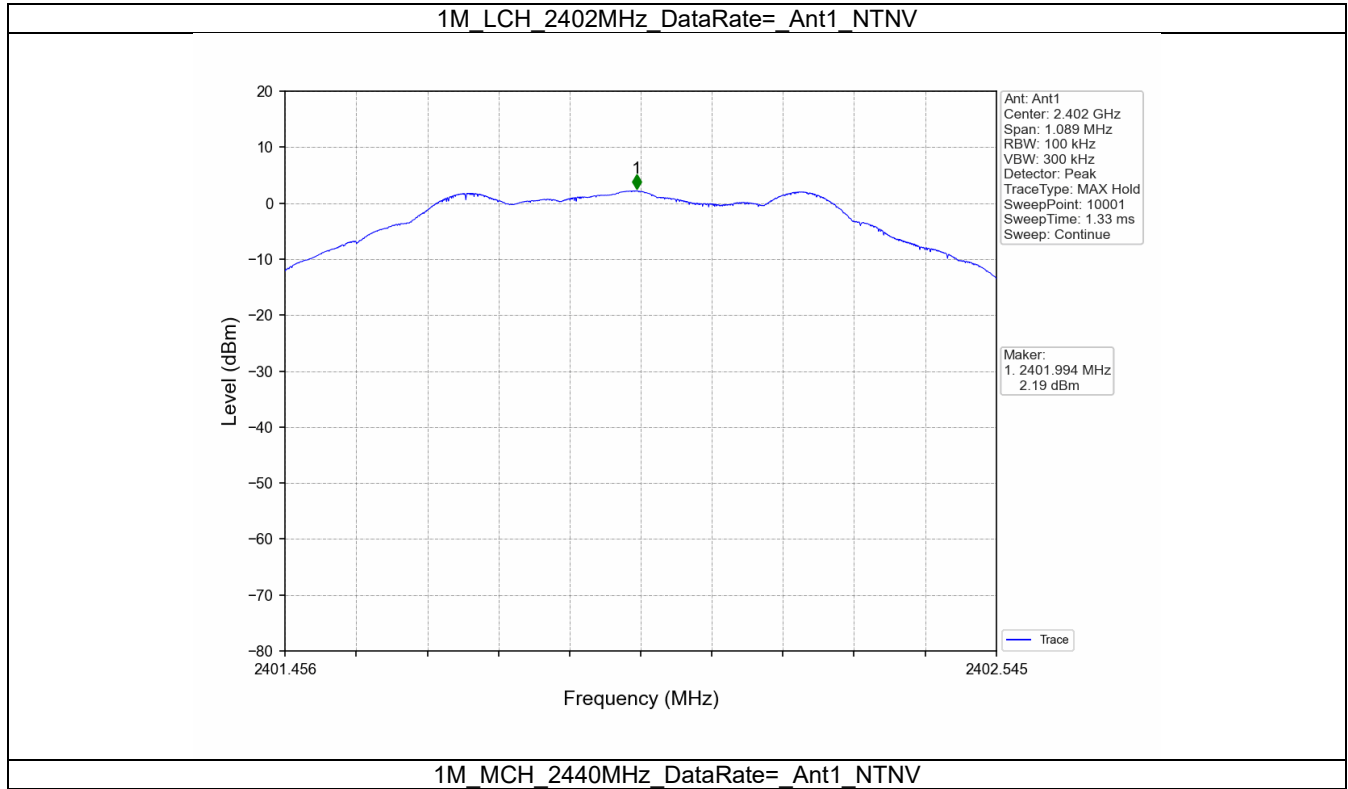
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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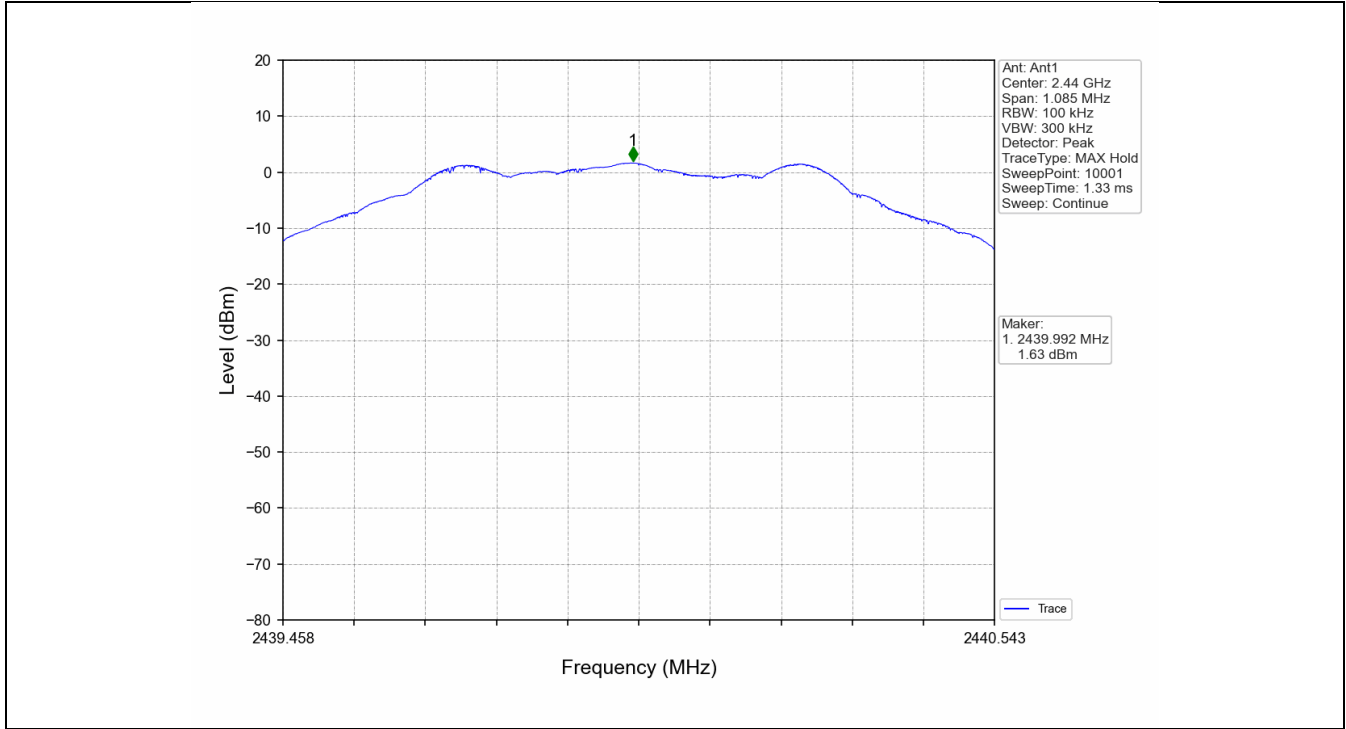
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5.1.2 Test Graph



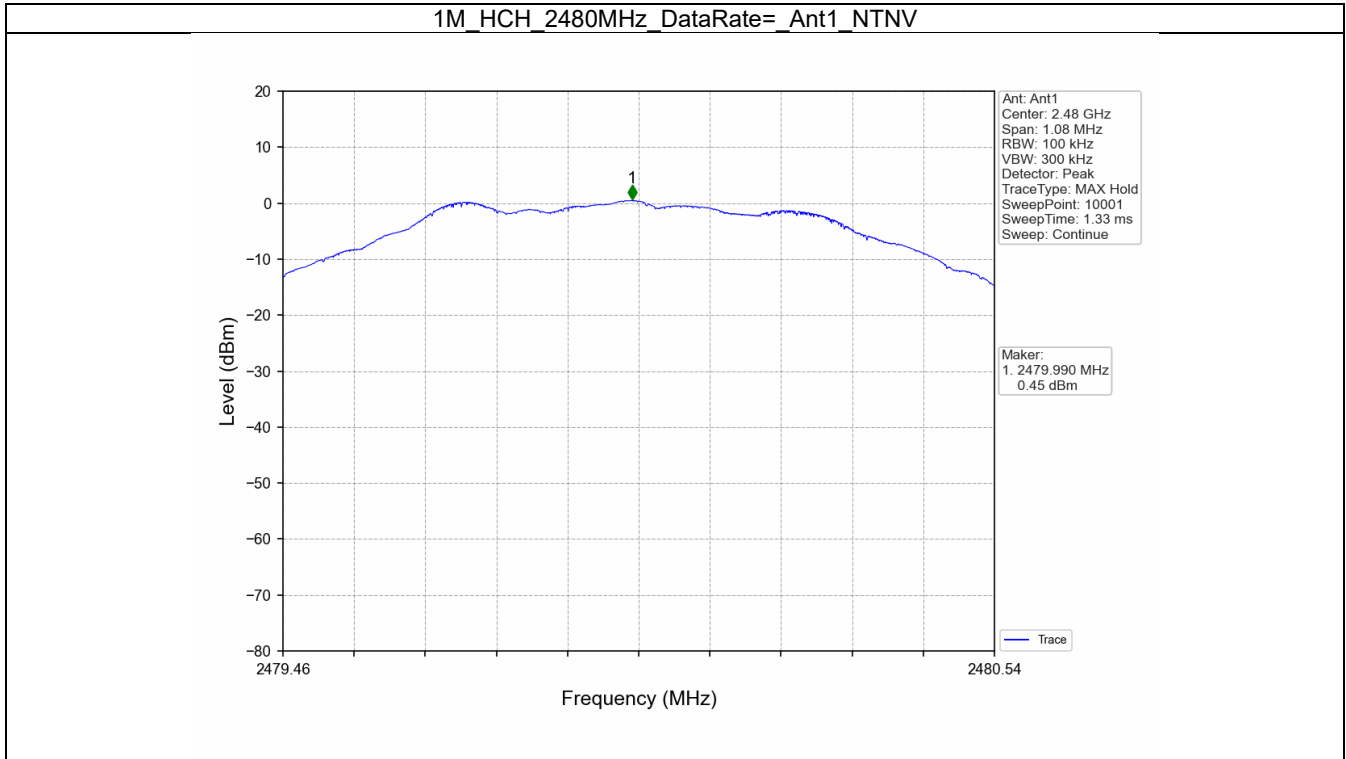
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.19	-17.81	Pass
		2440	1	2.19	-17.81	Pass
		2480	1	2.19	-17.81	Pass

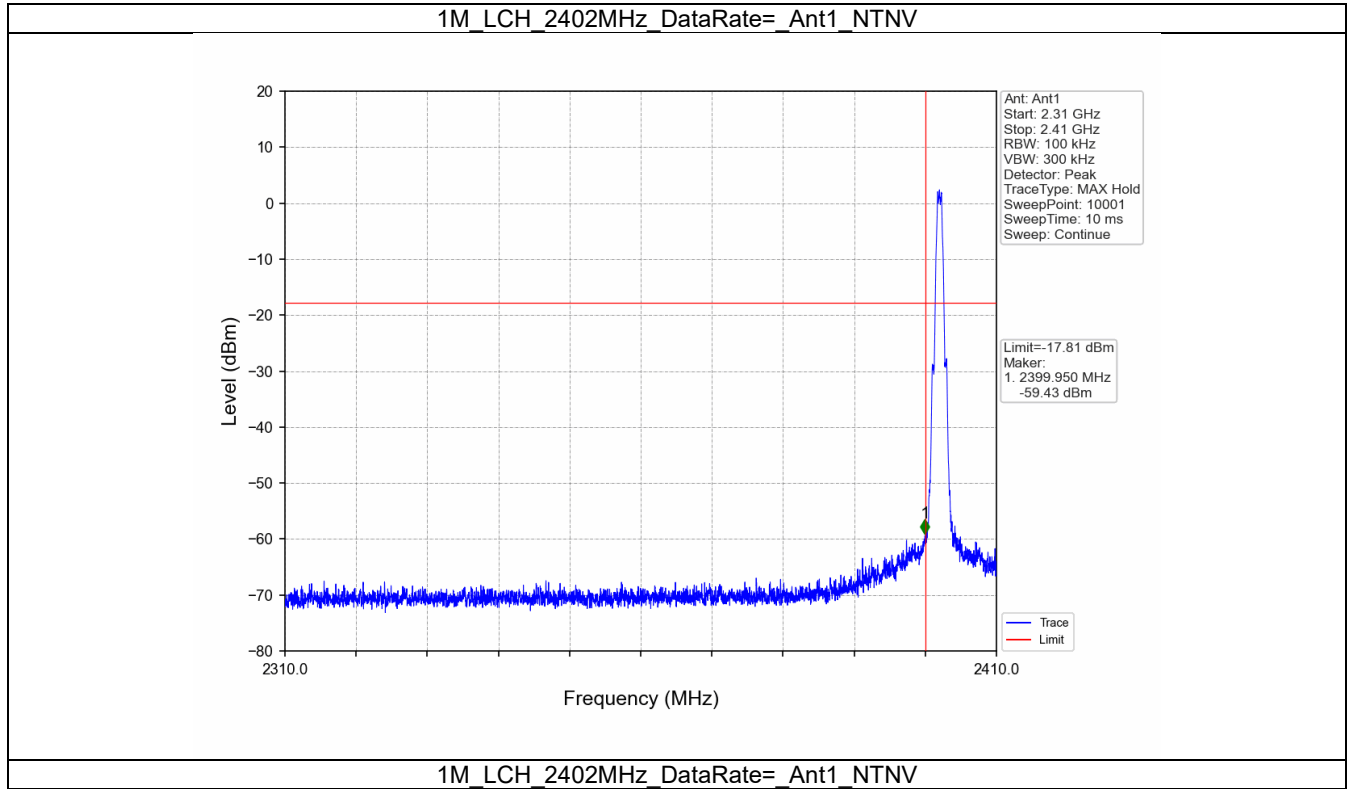
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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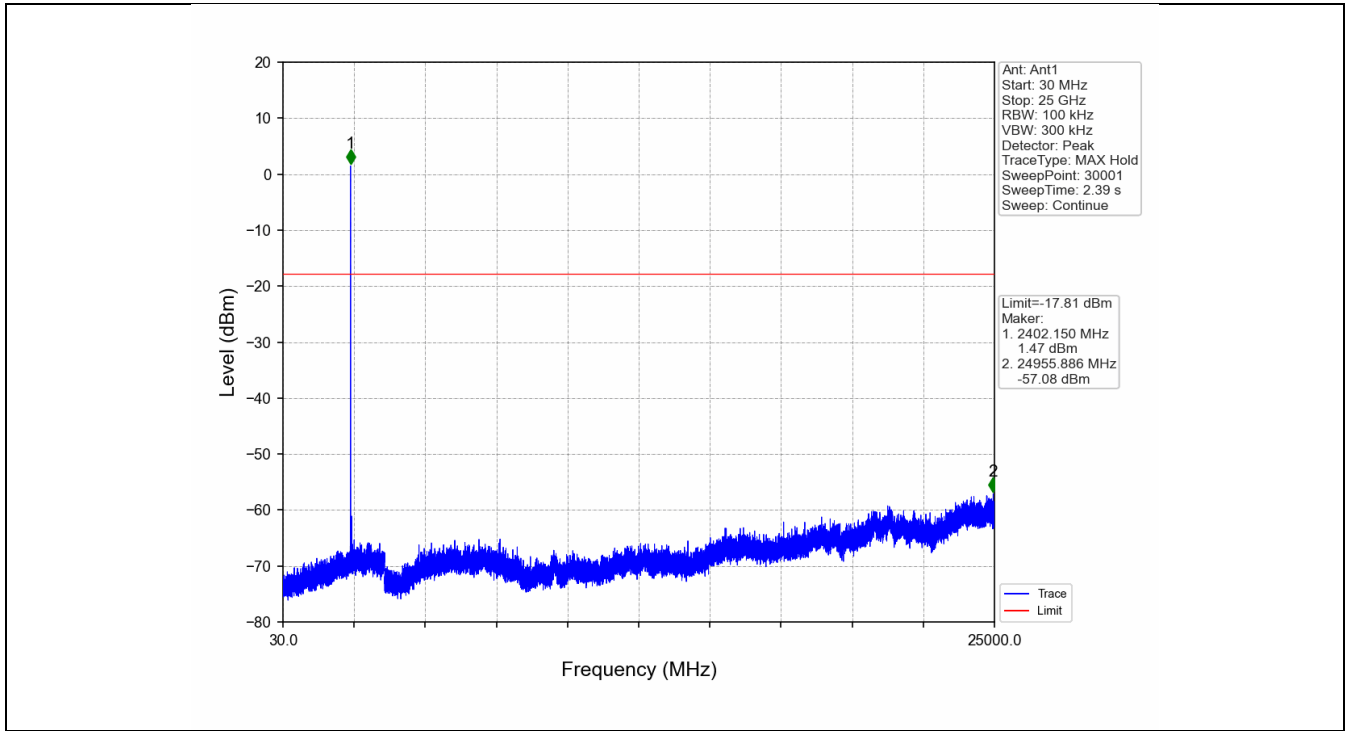
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5.2.2 Test Graph



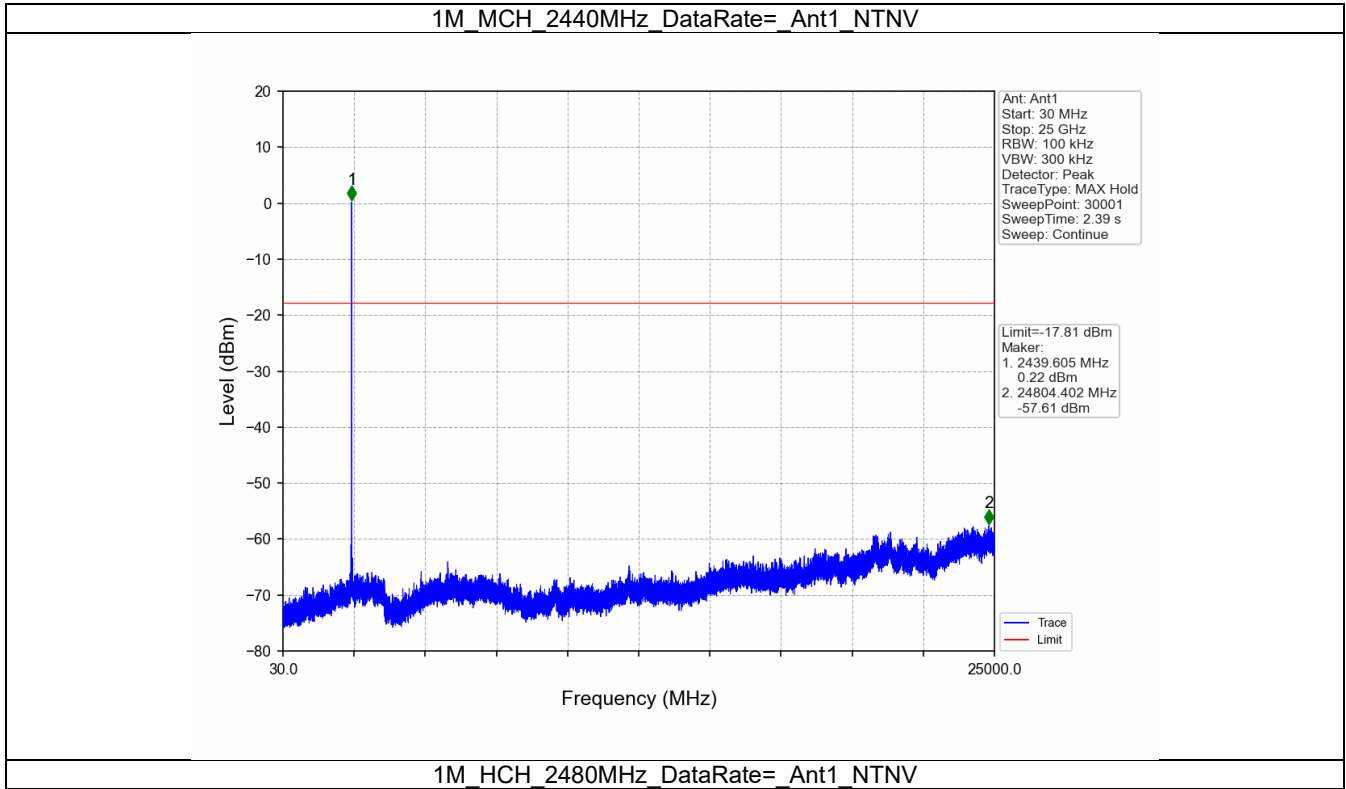
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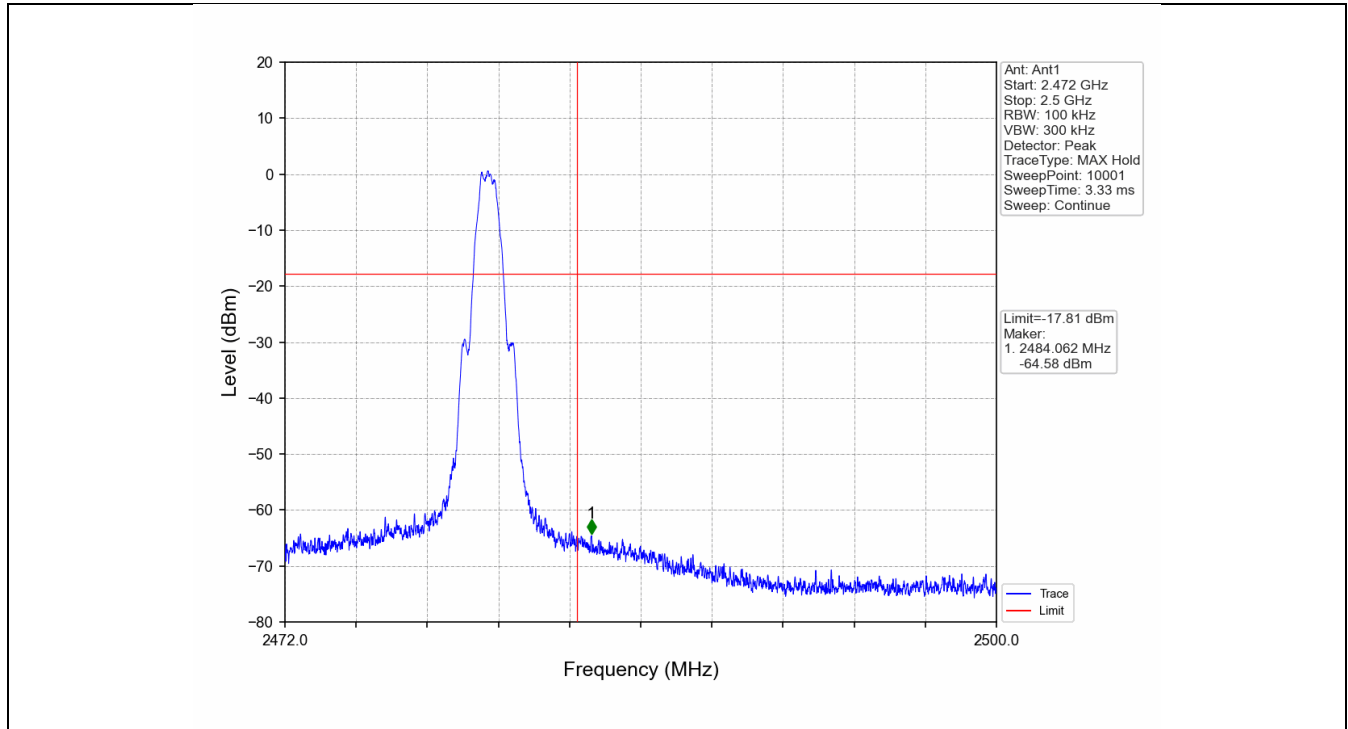
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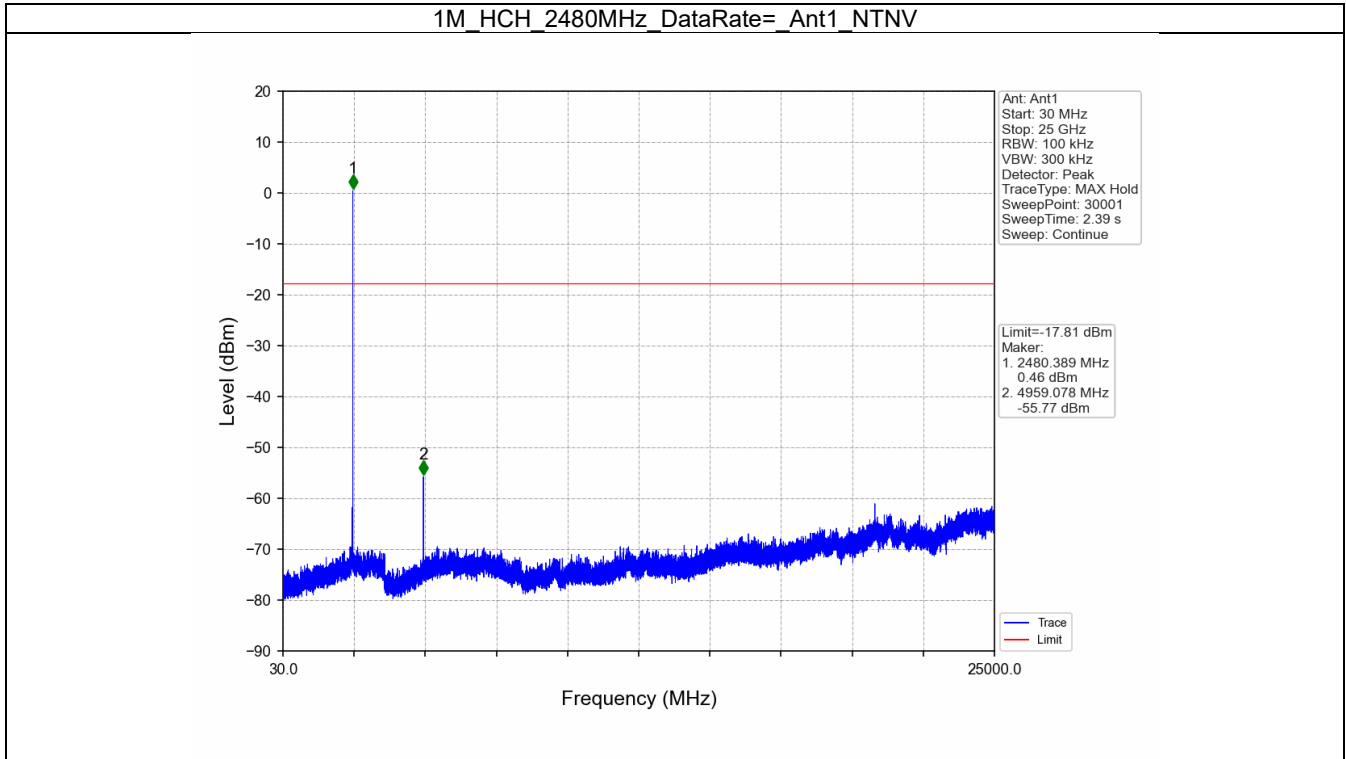
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