

Appendix A for SHCR220300069301

1. Duty Cycle

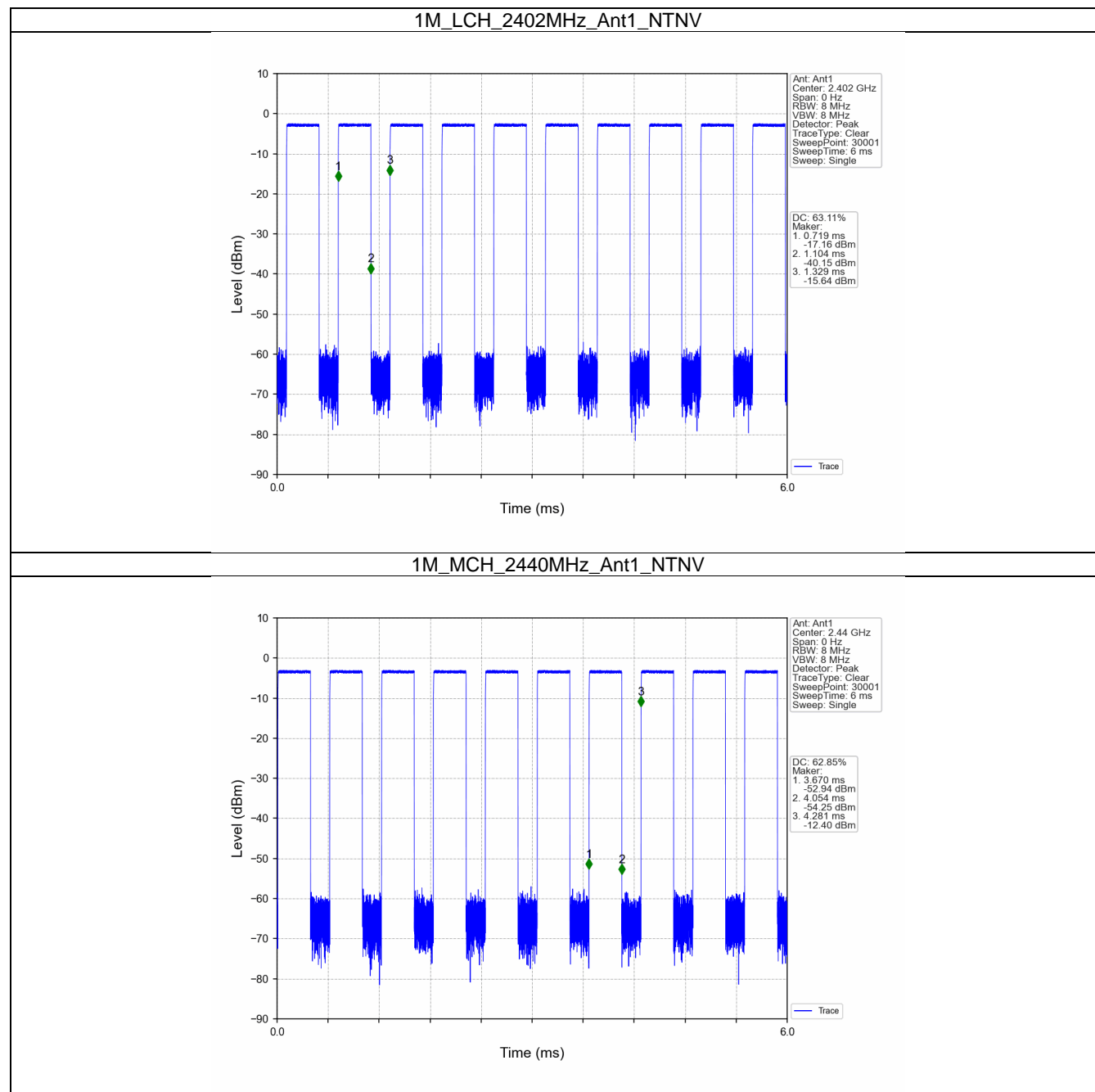
1.1 Ant1

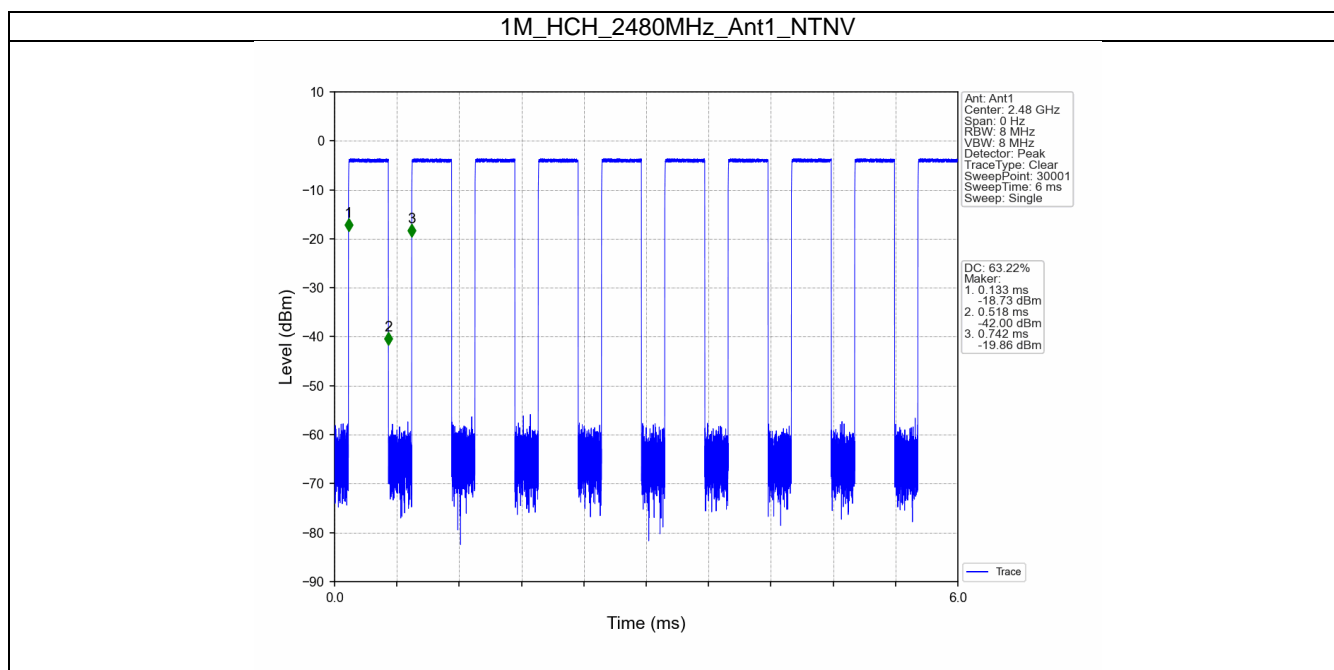
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.385	0.610	63.11	2.00	0.27
		2440	0.384	0.611	62.85	2.02	0.18
		2480	0.385	0.609	63.22	1.99	0.06



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	1.096	Pass
		2440	1	1.079	Pass
		2480	1	1.068	Pass



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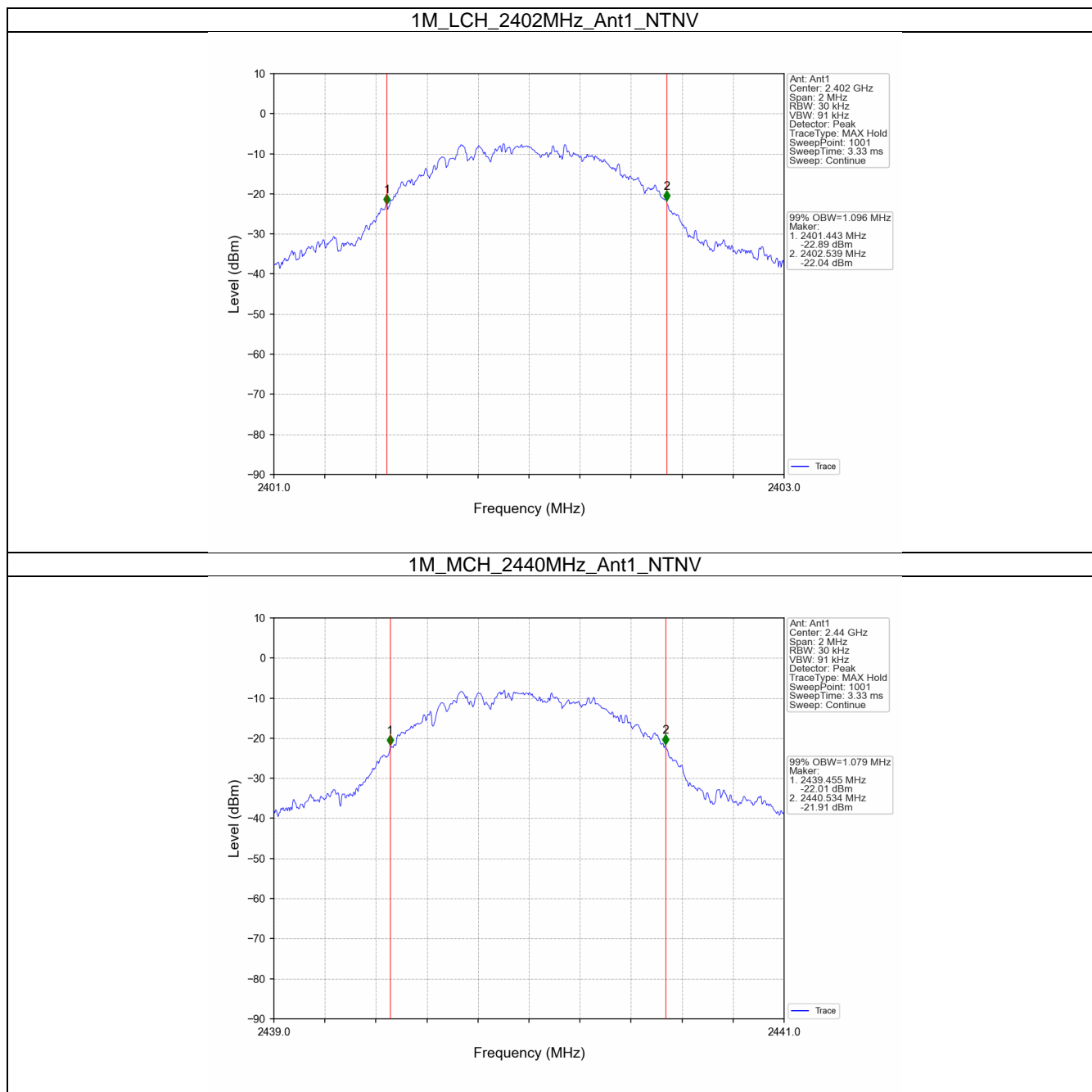
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2.1.2 Test Graph



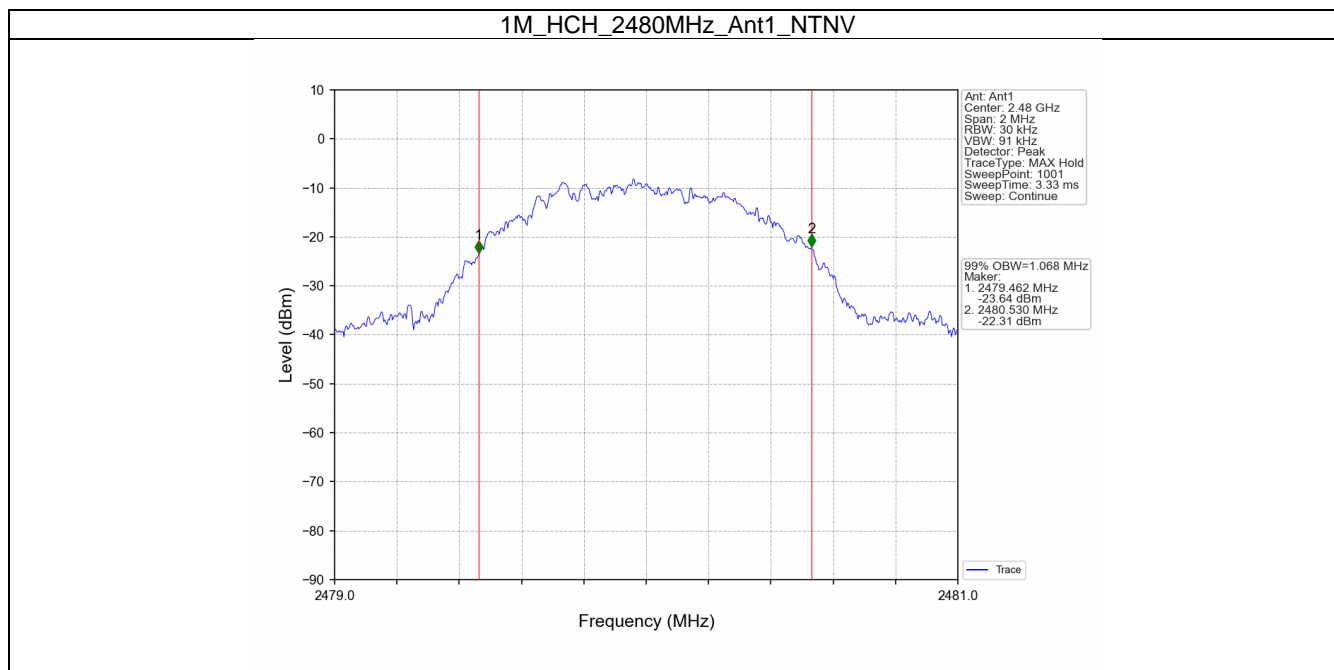
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.774	≥ 0.5	Pass
		2440	1	0.762	≥ 0.5	Pass
		2480	1	0.762	≥ 0.5	Pass



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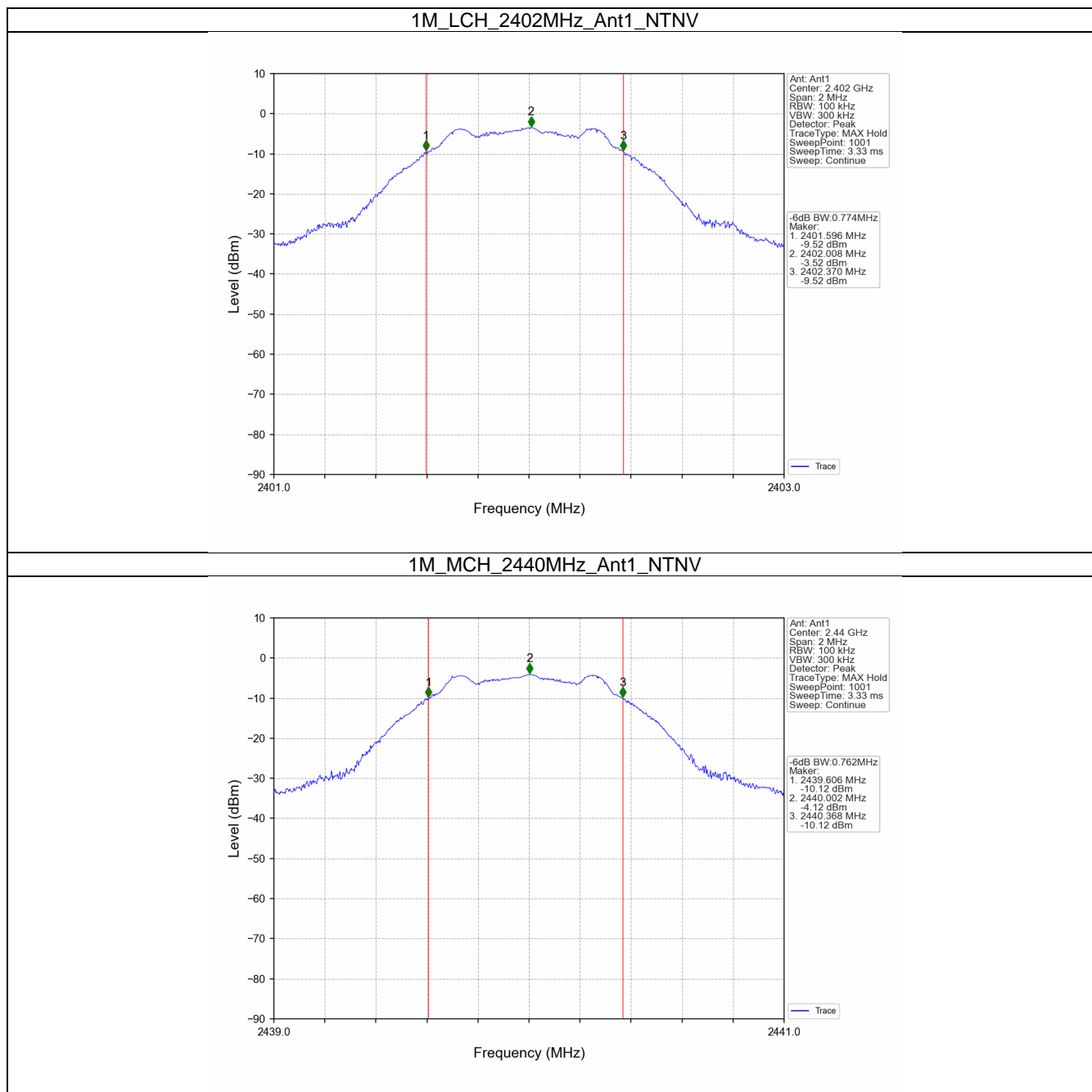
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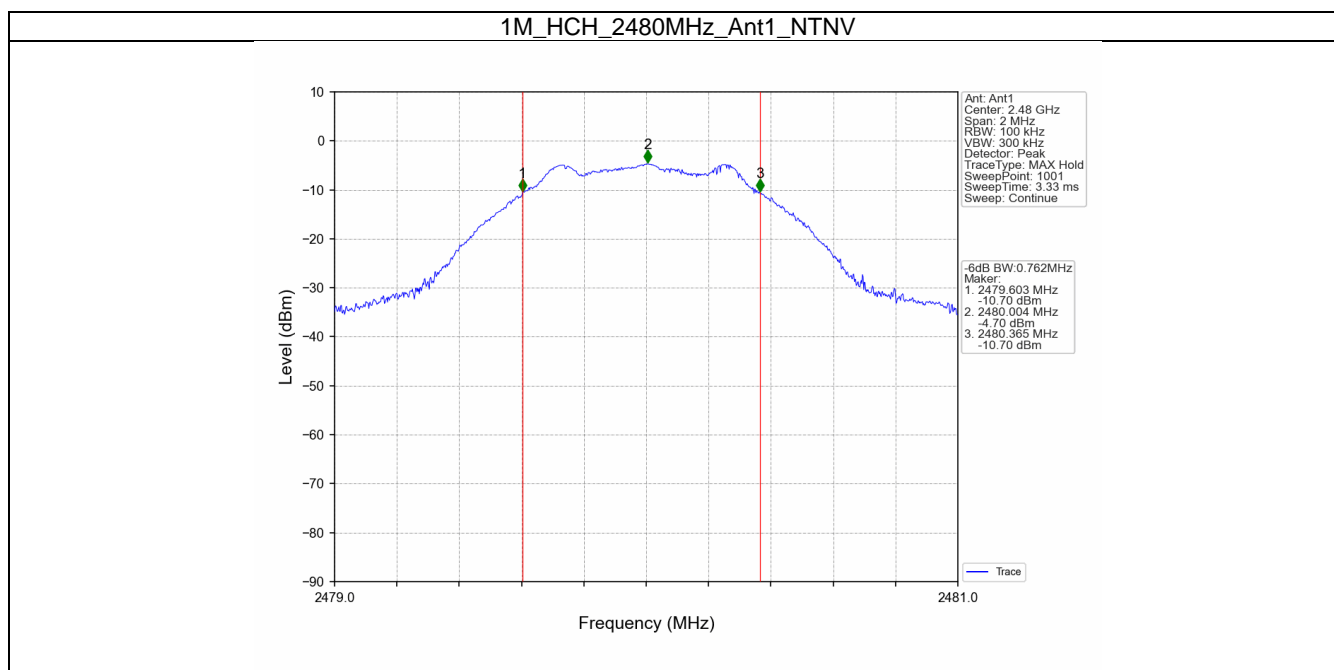
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2.2.2 Test Graph





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	-2.54	<=30	Pass
		2440	-3.15	<=30	Pass
		2480	-3.70	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;



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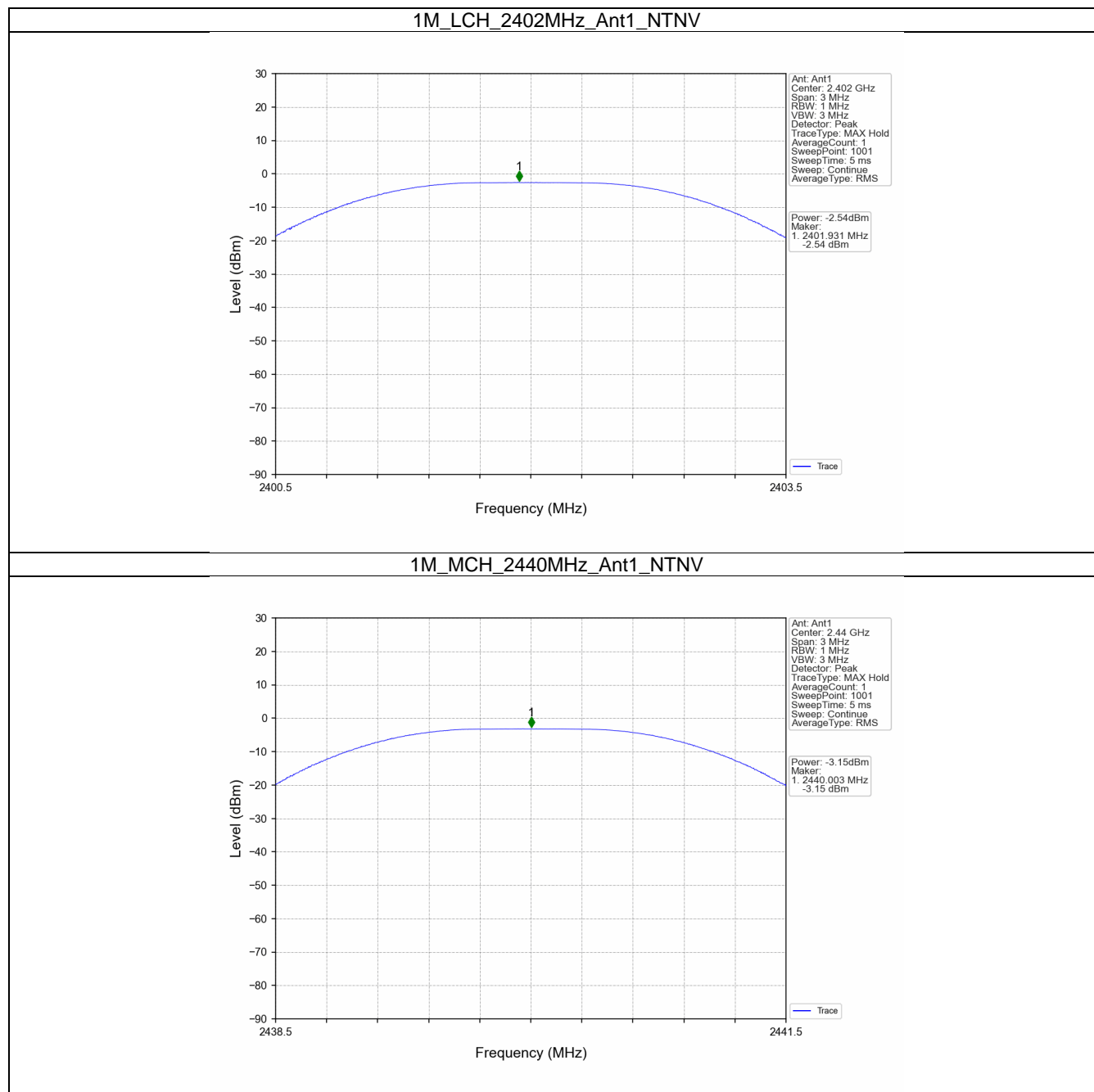
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3.1.2 Test Graph



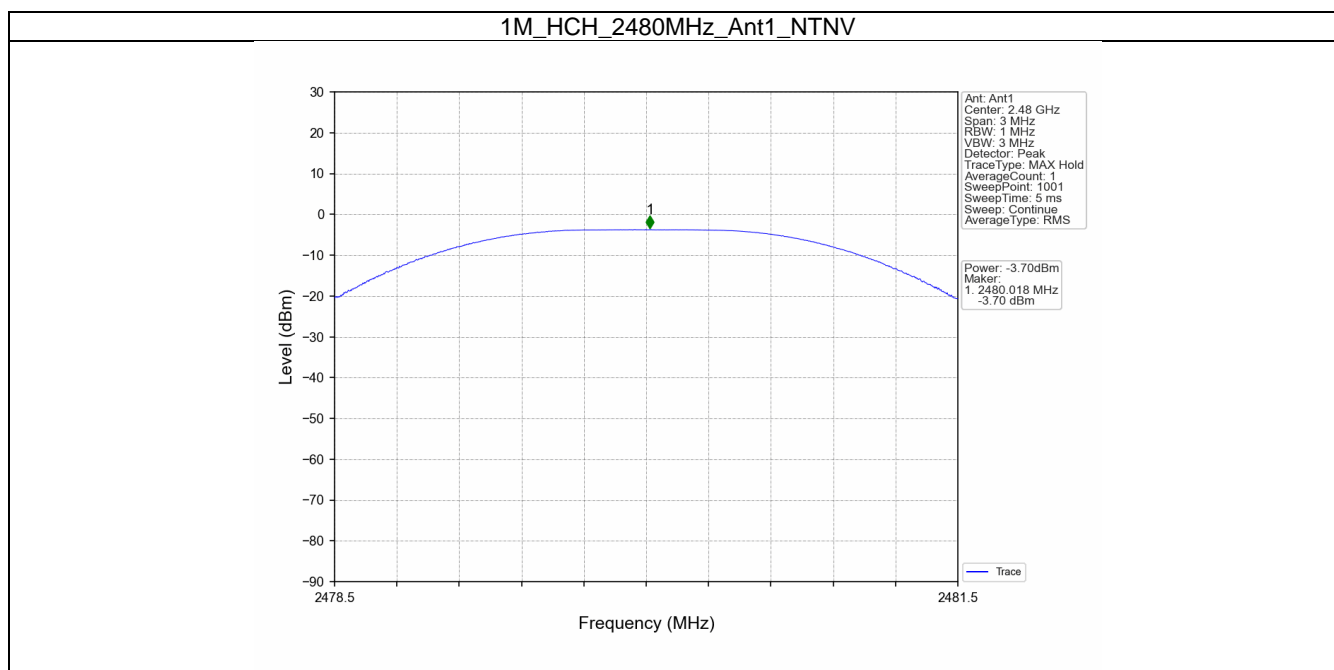
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.91	<=8	Pass
		2440	-17.84	<=8	Pass
		2480	-19.03	<=8	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;



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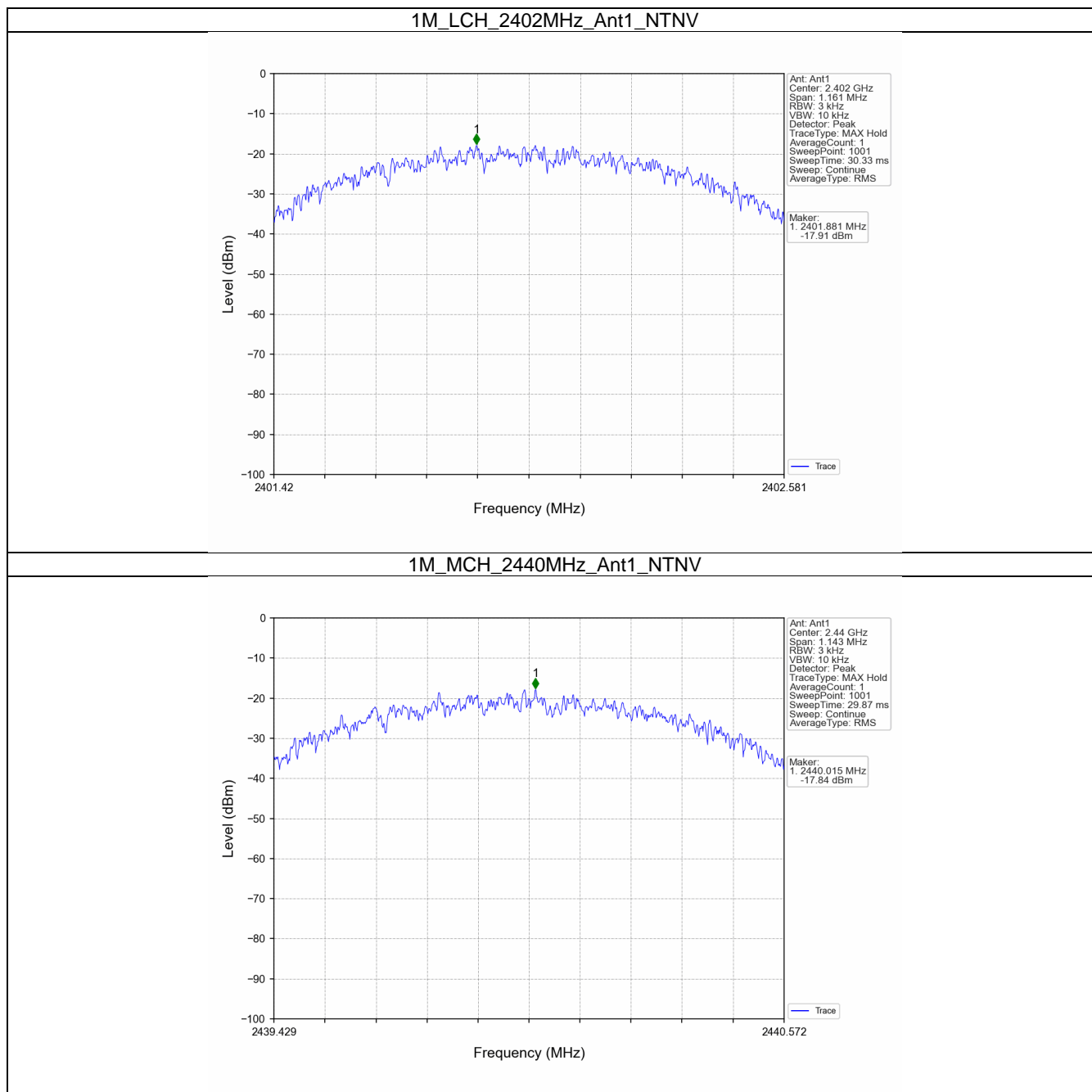
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4.1.2 Test Graph



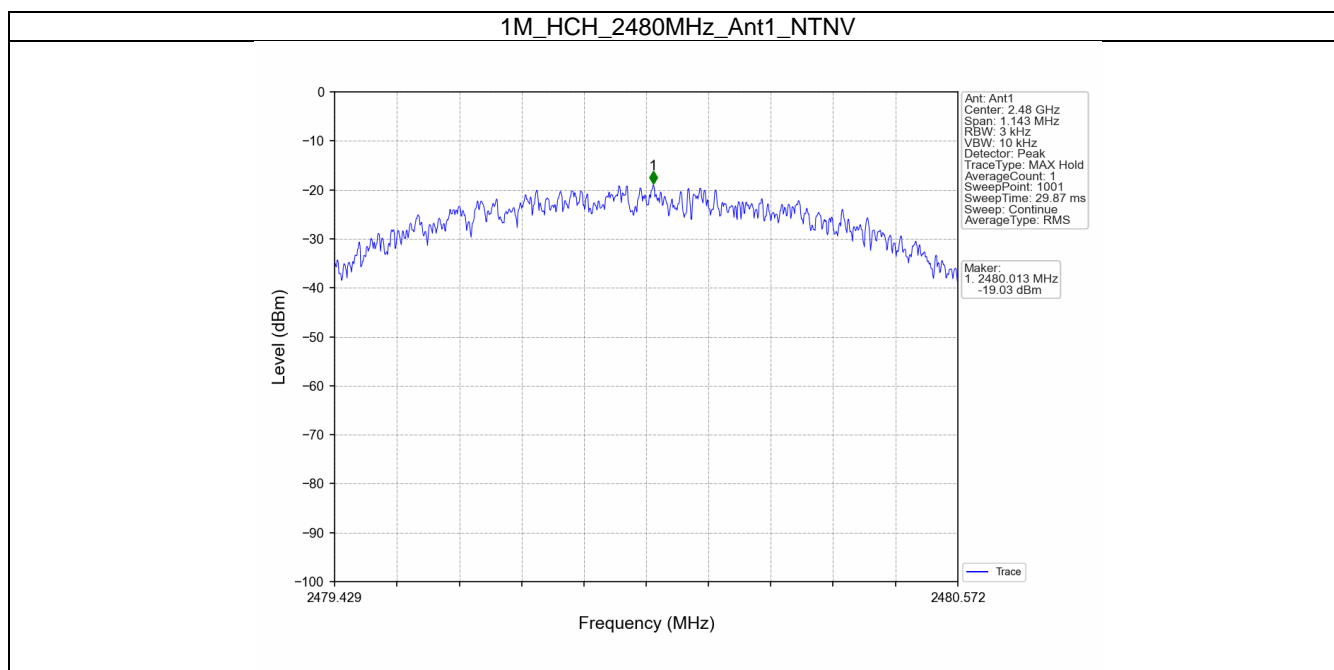
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

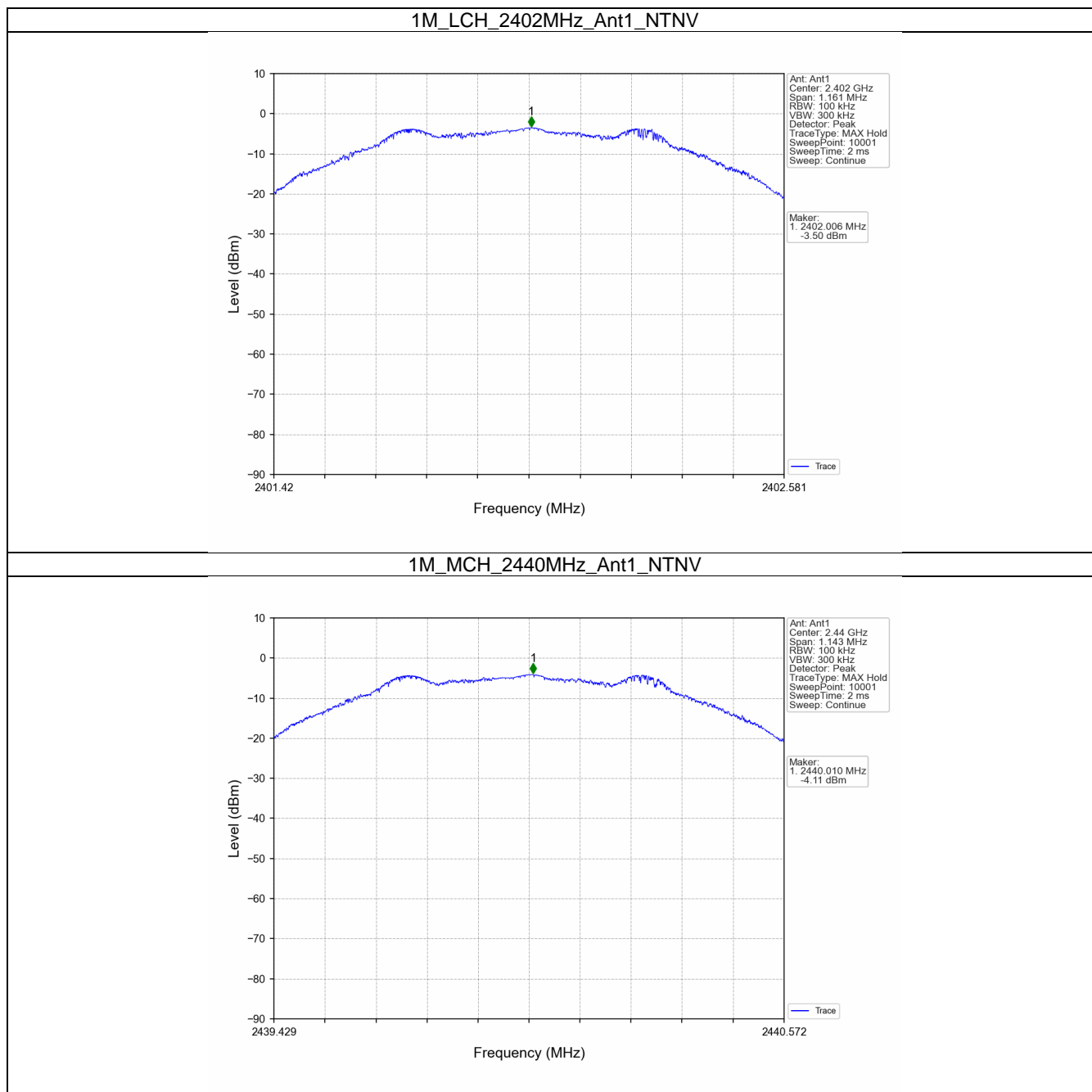
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-3.50
		2440	1	-4.11
		2480	1	-4.68

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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



5.1.2 Test Graph



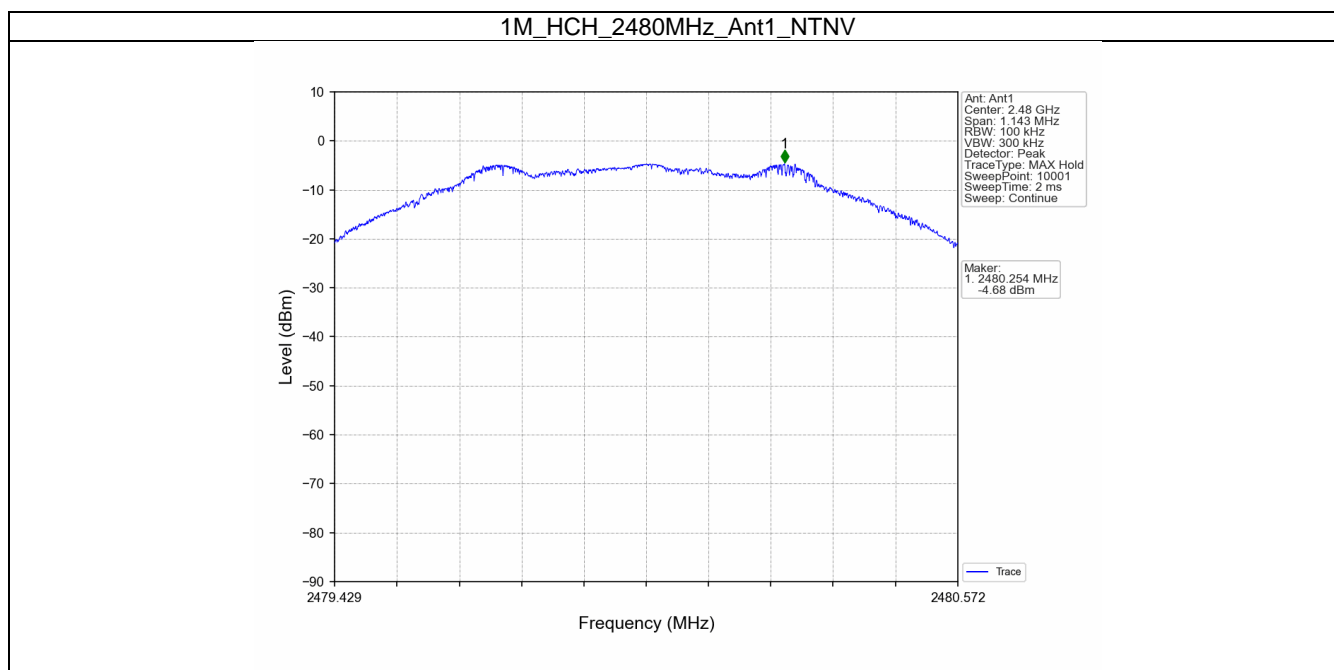
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5.2 CSE

5.2.1 Test Result

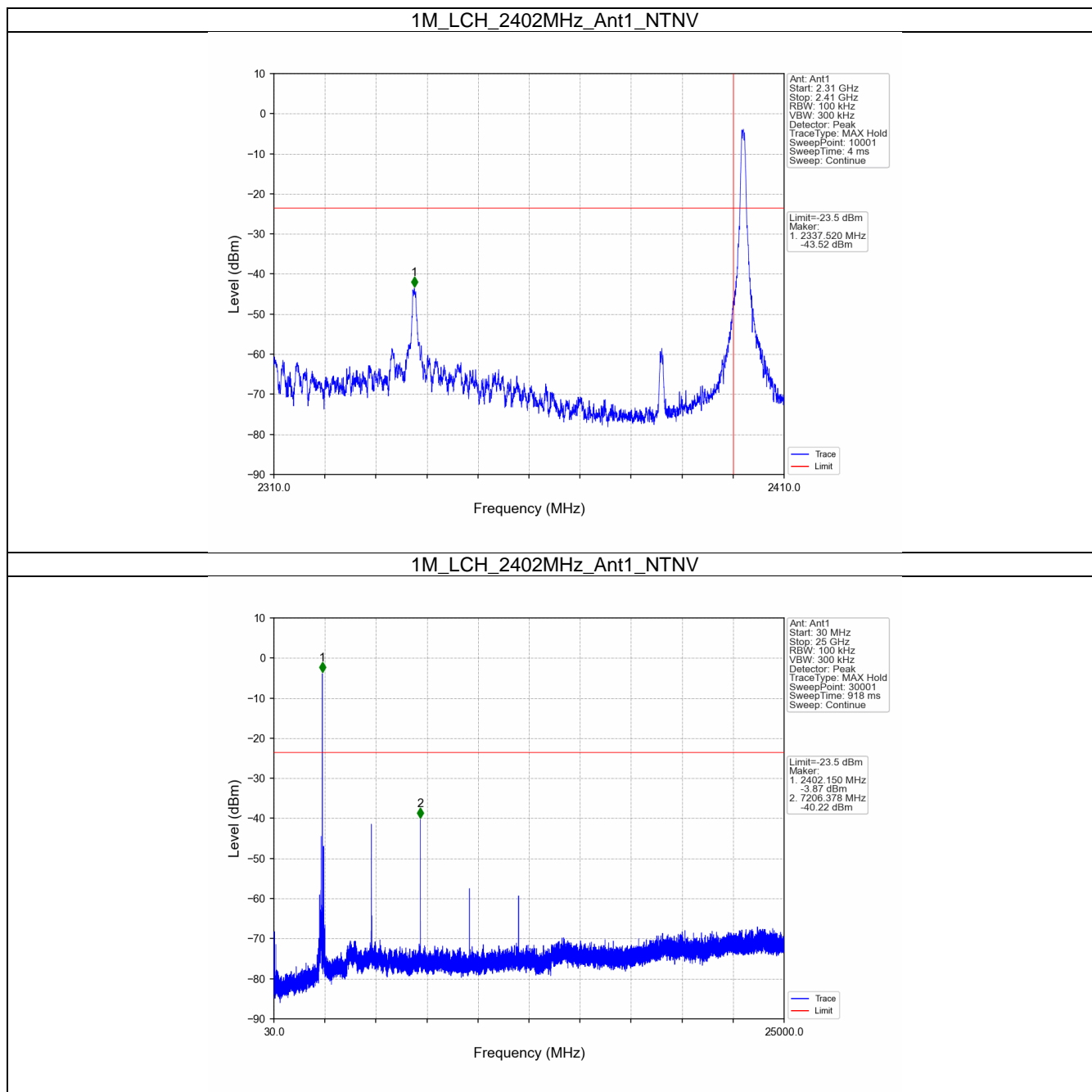
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-3.50	-23.50	Pass
		2440	1	-3.50	-23.50	Pass
		2480	1	-3.50	-23.50	Pass

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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



5.2.2 Test Graph



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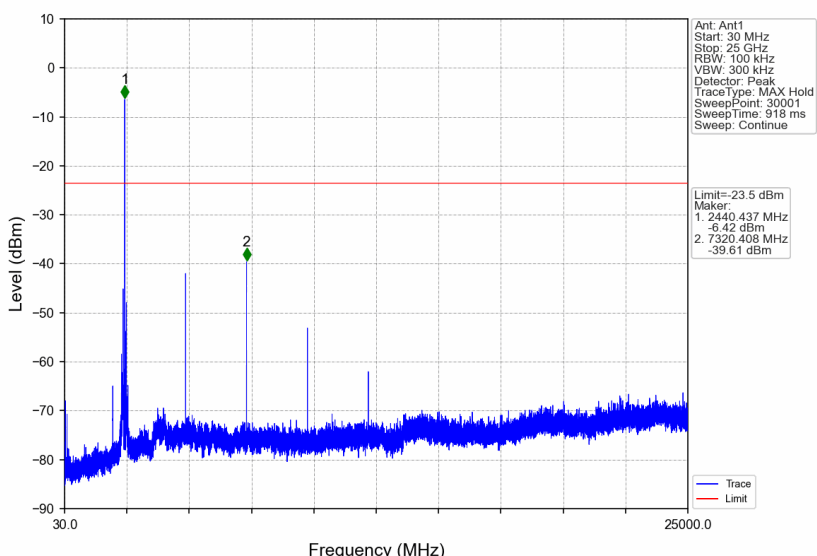
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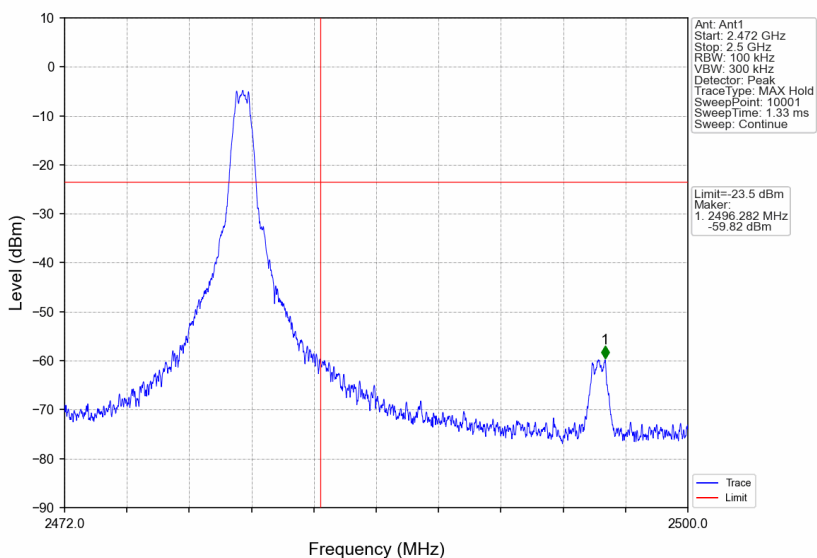
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



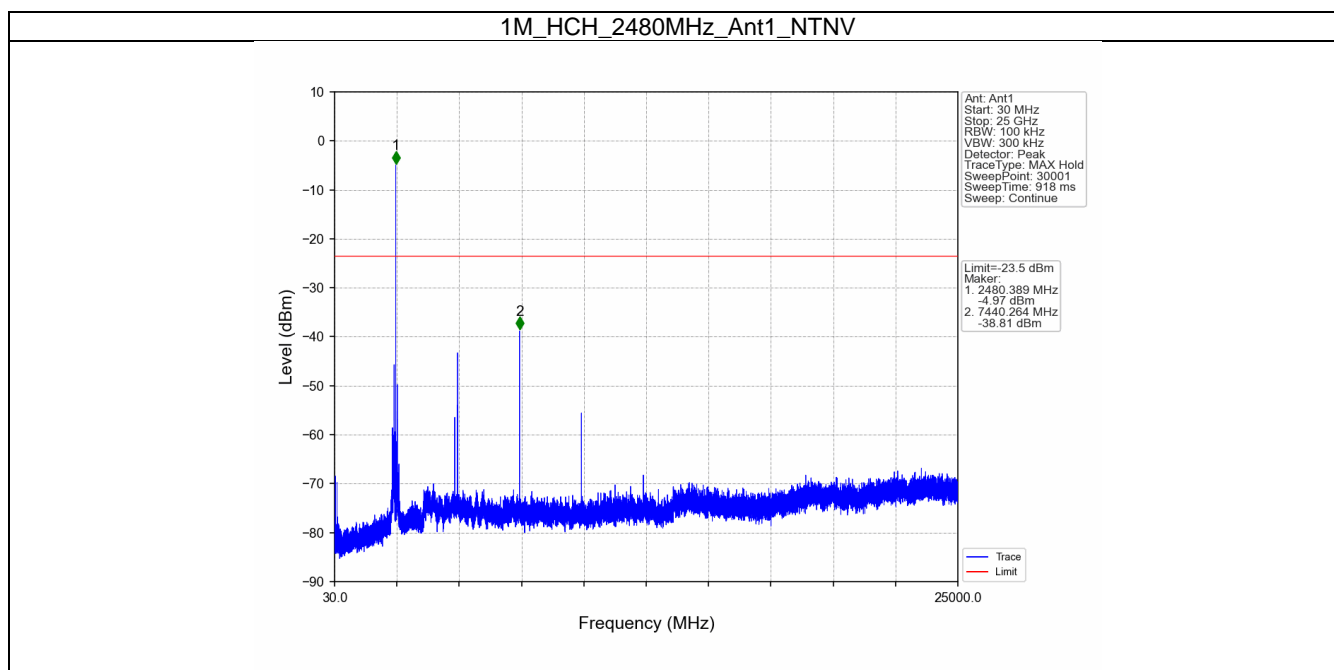
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