

10 Appendix

For BLE

1. Duty Cycle

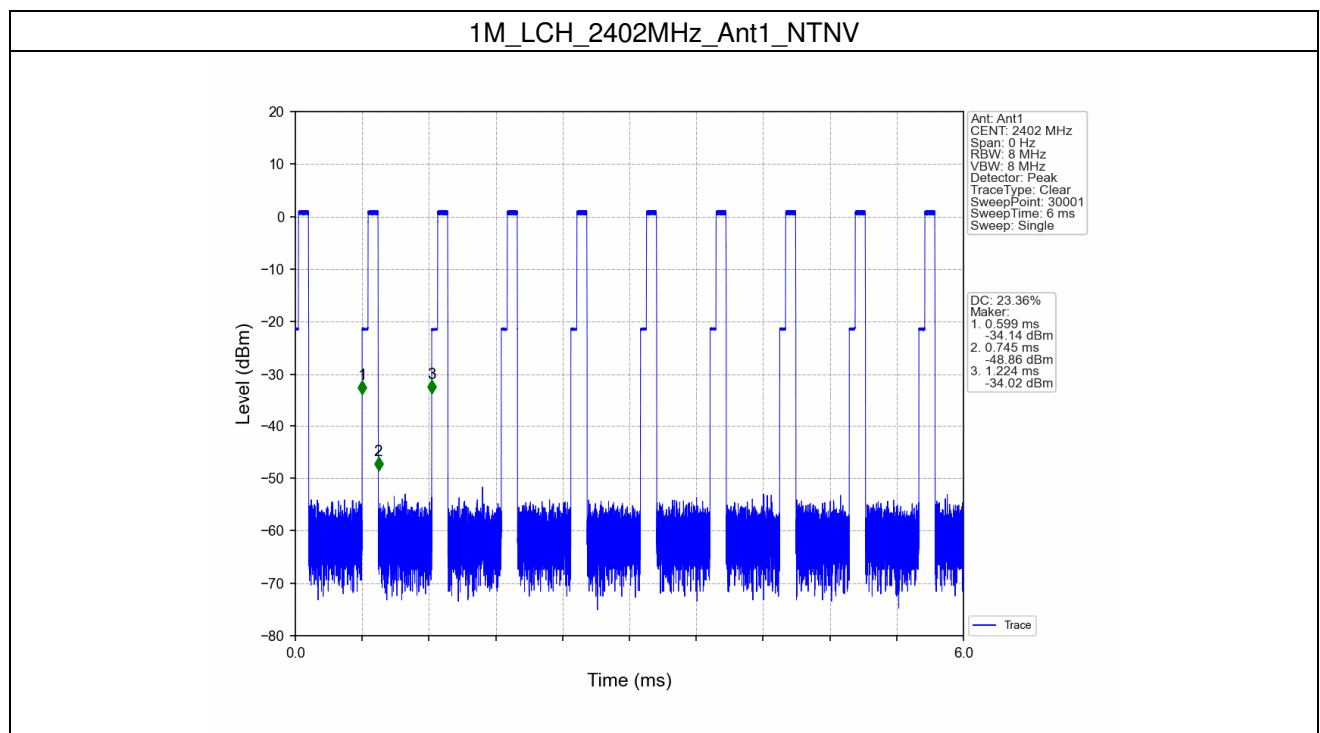
1.1 Test Result

1.1.1 Ant1

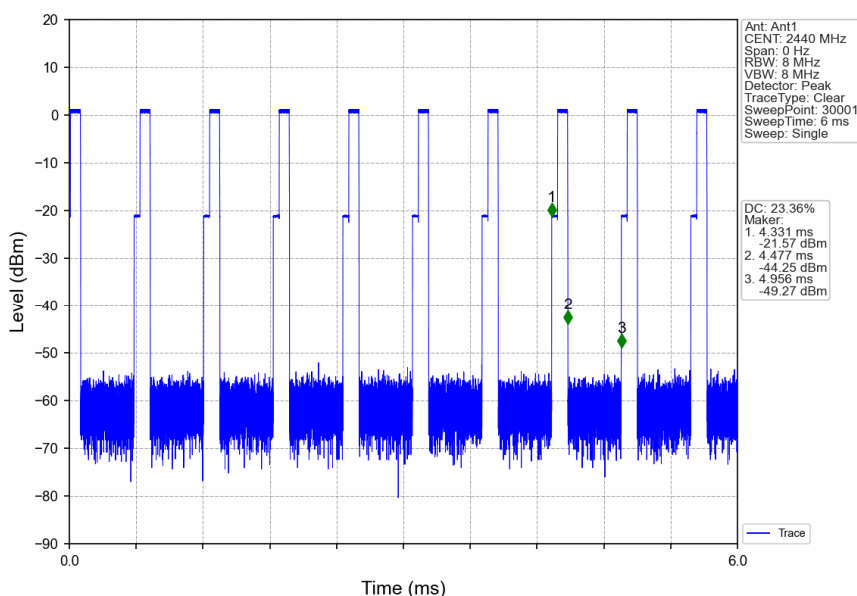
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.146	0.625	23.36	6.32	0.00
		2440	0.146	0.625	23.36	6.32	0.02
		2480	0.145	0.625	23.20	6.35	0.02

1.2 Test Graph

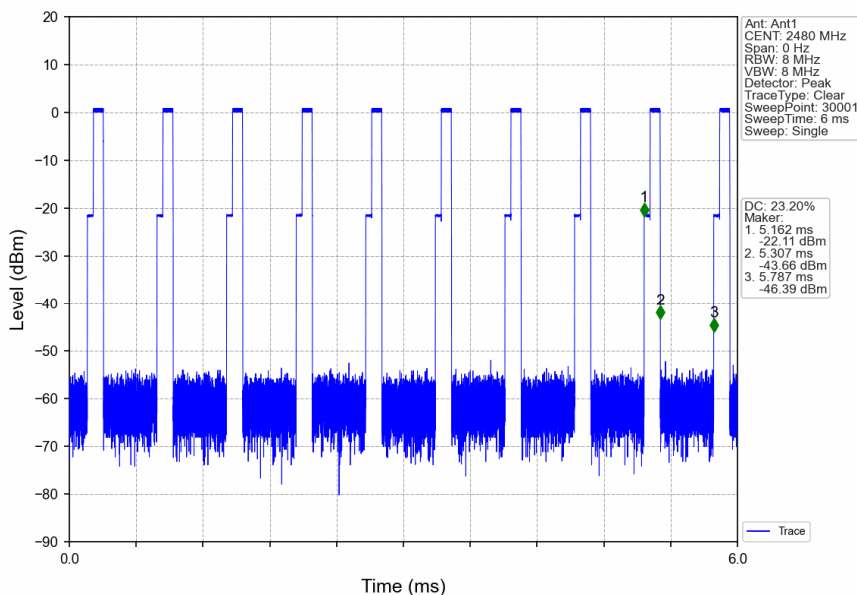
1.2.1 Ant1



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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2. Bandwidth

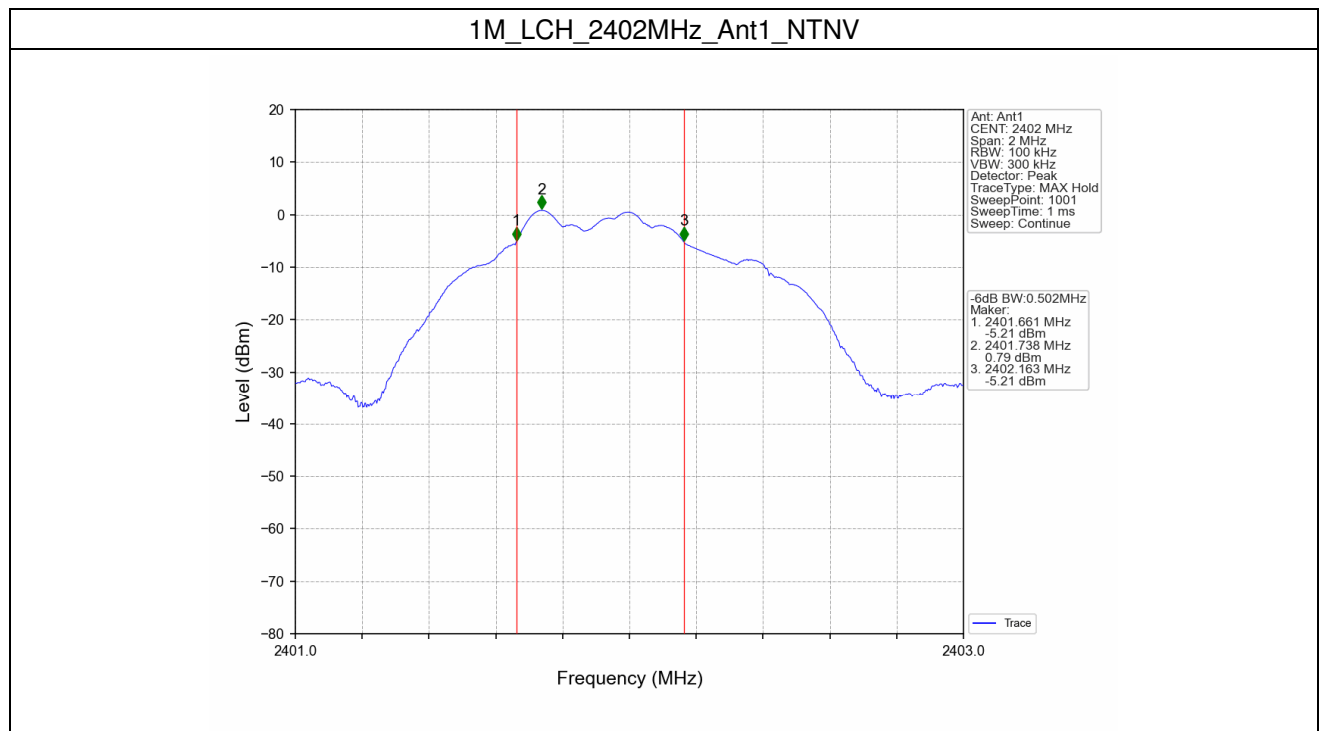
2.1 Test Result

2.1.2 6dB BW

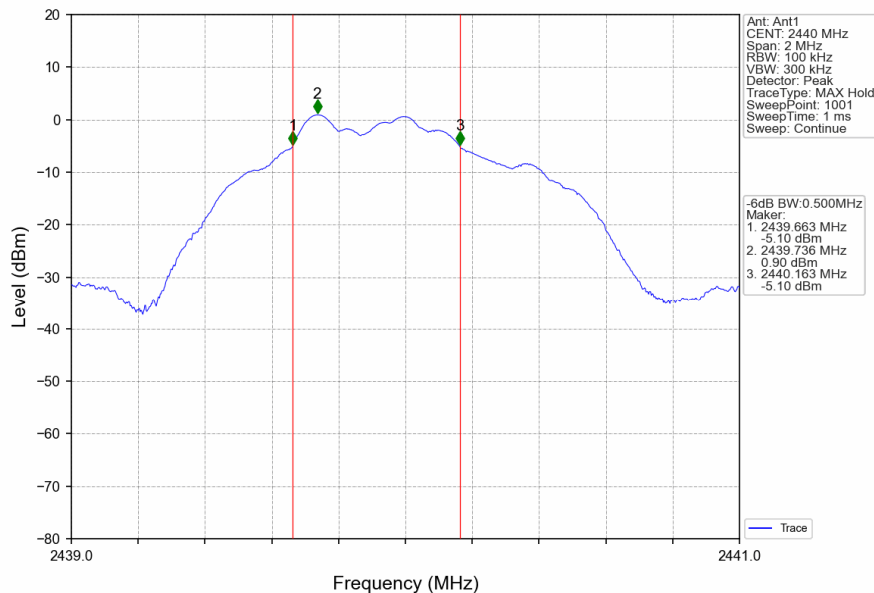
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.502	≥ 0.5	Pass
		2440	1	0.500	≥ 0.5	Pass
		2480	1	0.502	≥ 0.5	Pass

2.2 Test Graph

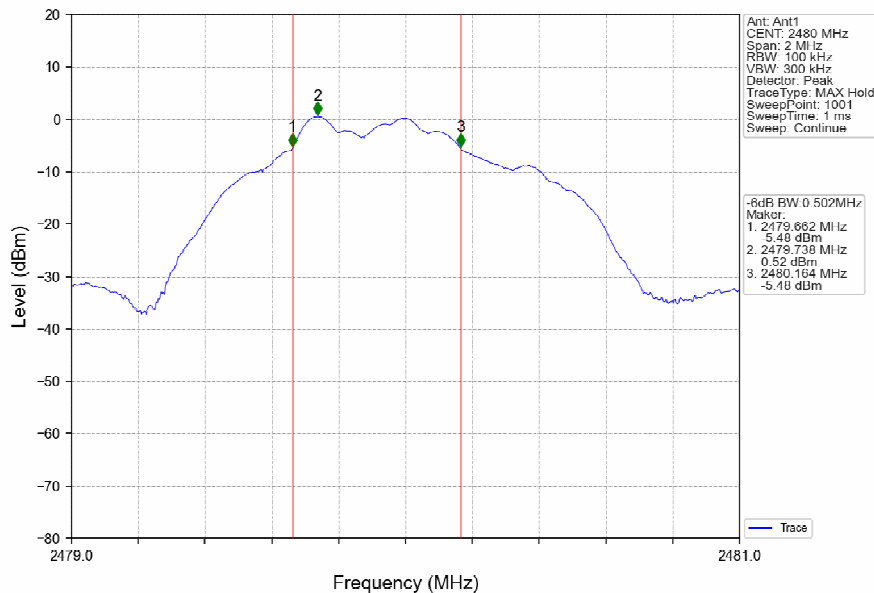
2.2.1 6dB BW



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	0.73	<=30	Pass
		2440	0.84	<=30	Pass
		2480	0.47	<=30	Pass
Note1: Antenna Gain: Ant1: -4.26 dBi;					



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4. Maximum Power Spectral Density

4.1 Test Result

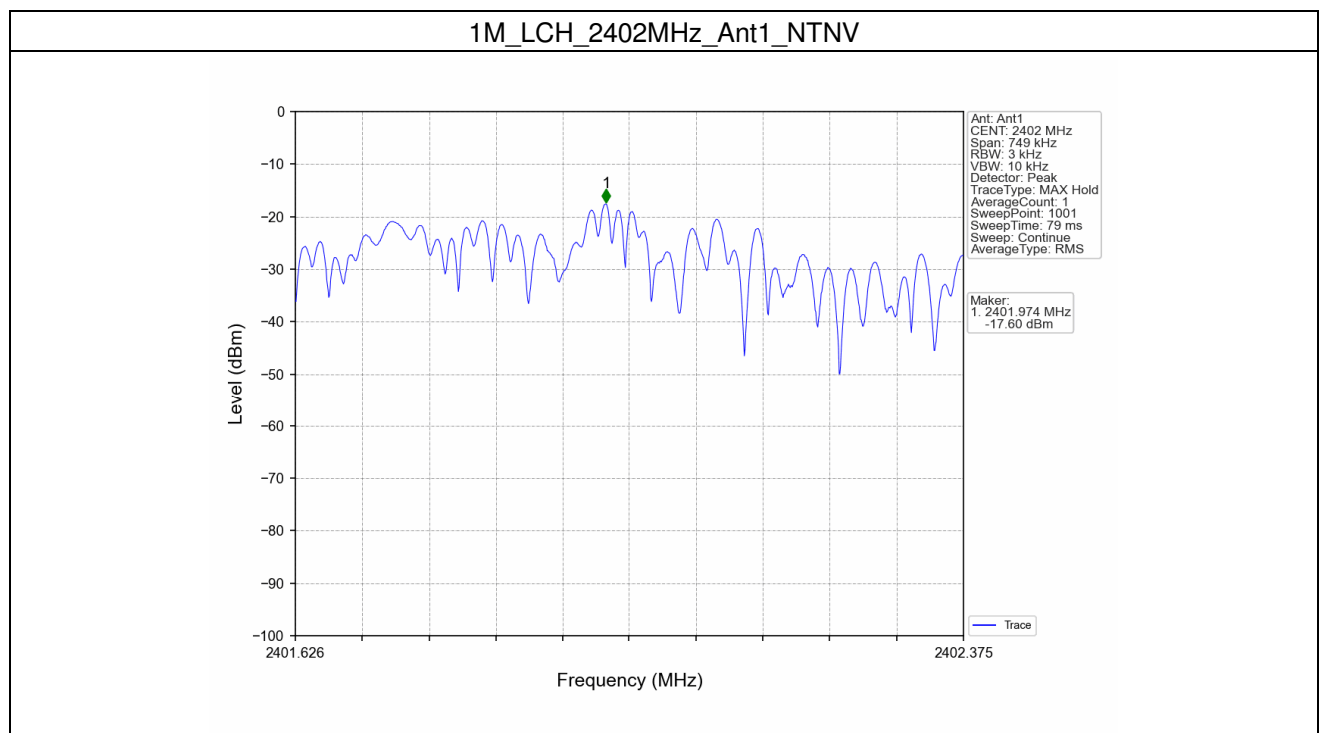
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.60	<=8	Pass
		2440	-17.48	<=8	Pass
		2480	-17.91	<=8	Pass

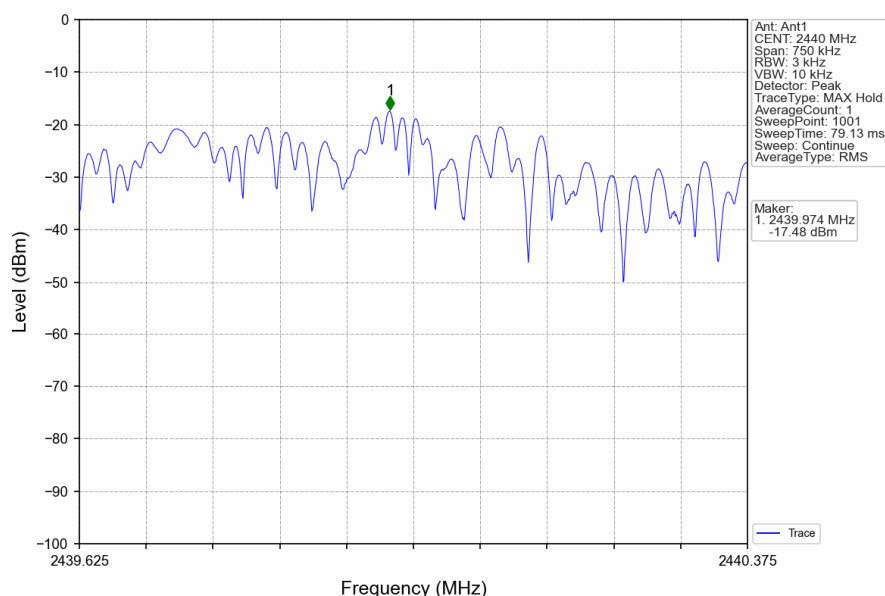
Note1: Antenna Gain: Ant1: -4.26dBi;

4.2 Test Graph

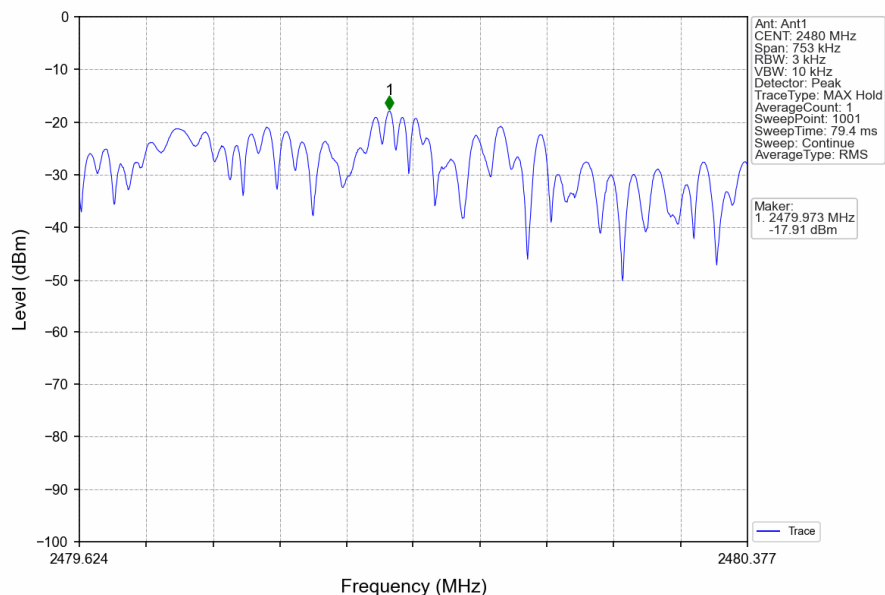
4.2.1 PSD



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	0.78
		2440	1	0.90
		2480	1	0.50

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.

5.1.2 CSE and Band Edge

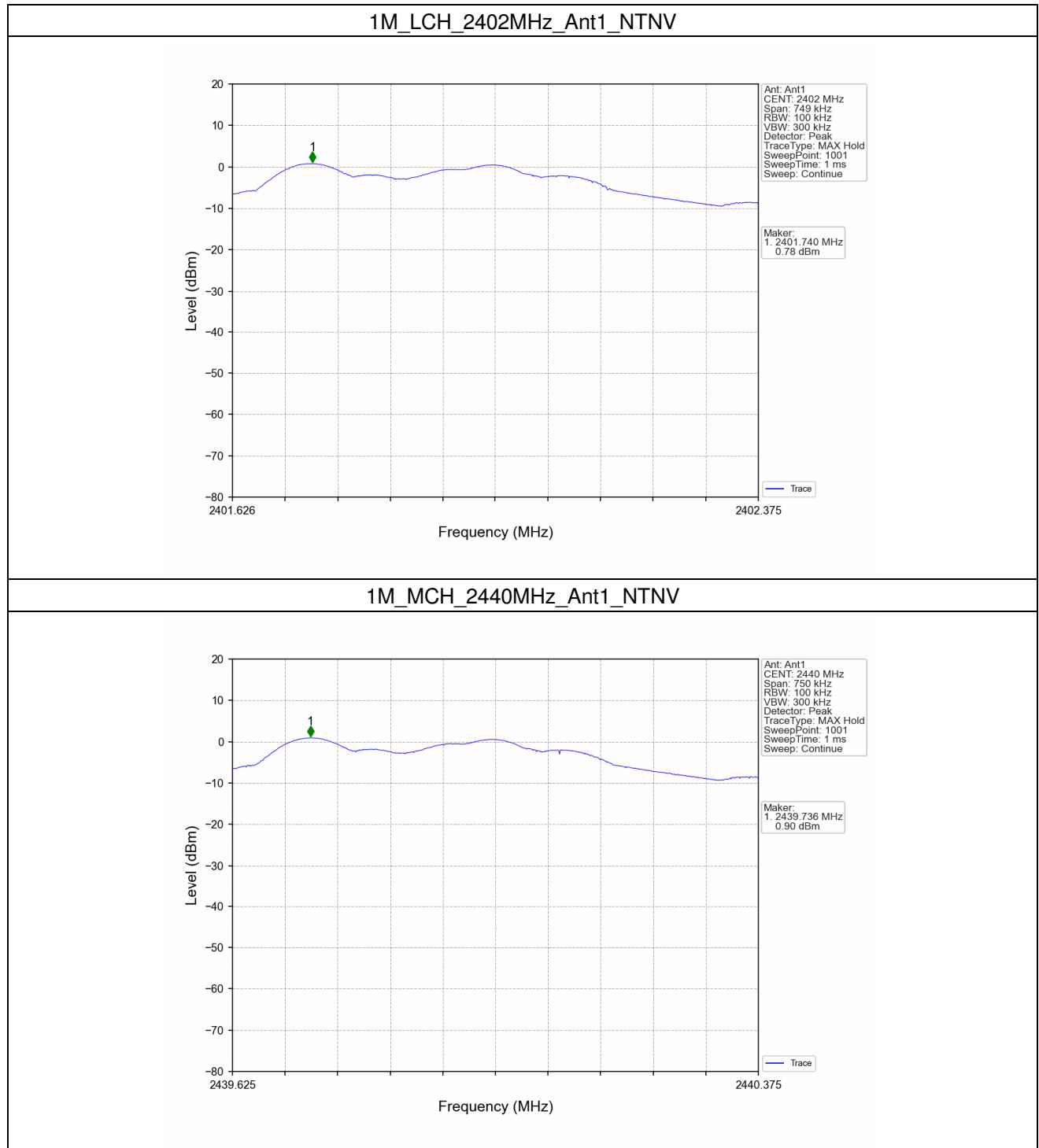
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	0.90	-19.10	Pass
		2440	1	0.90	-19.10	Pass
		2480	1	0.90	-19.10	Pass

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.



5.2 Test Graph

5.2.1 Ref



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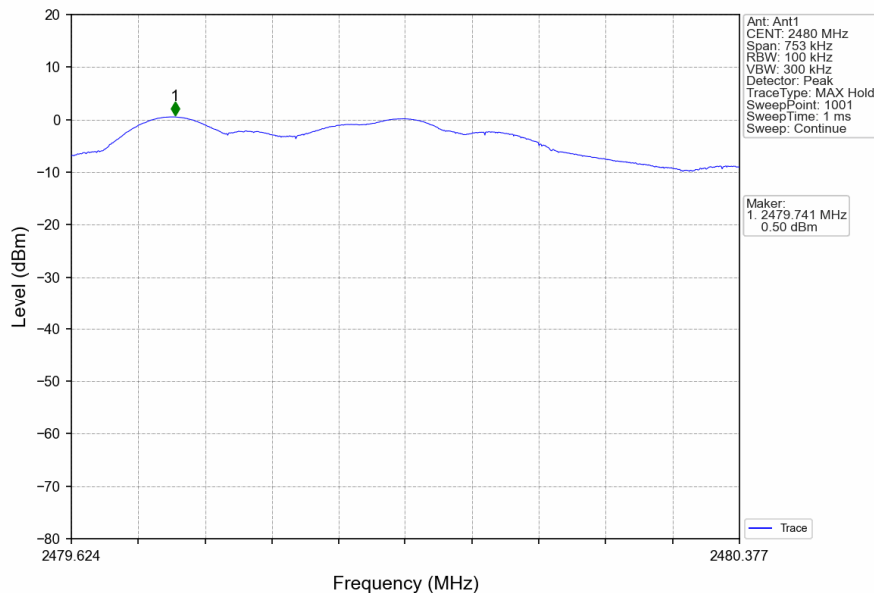
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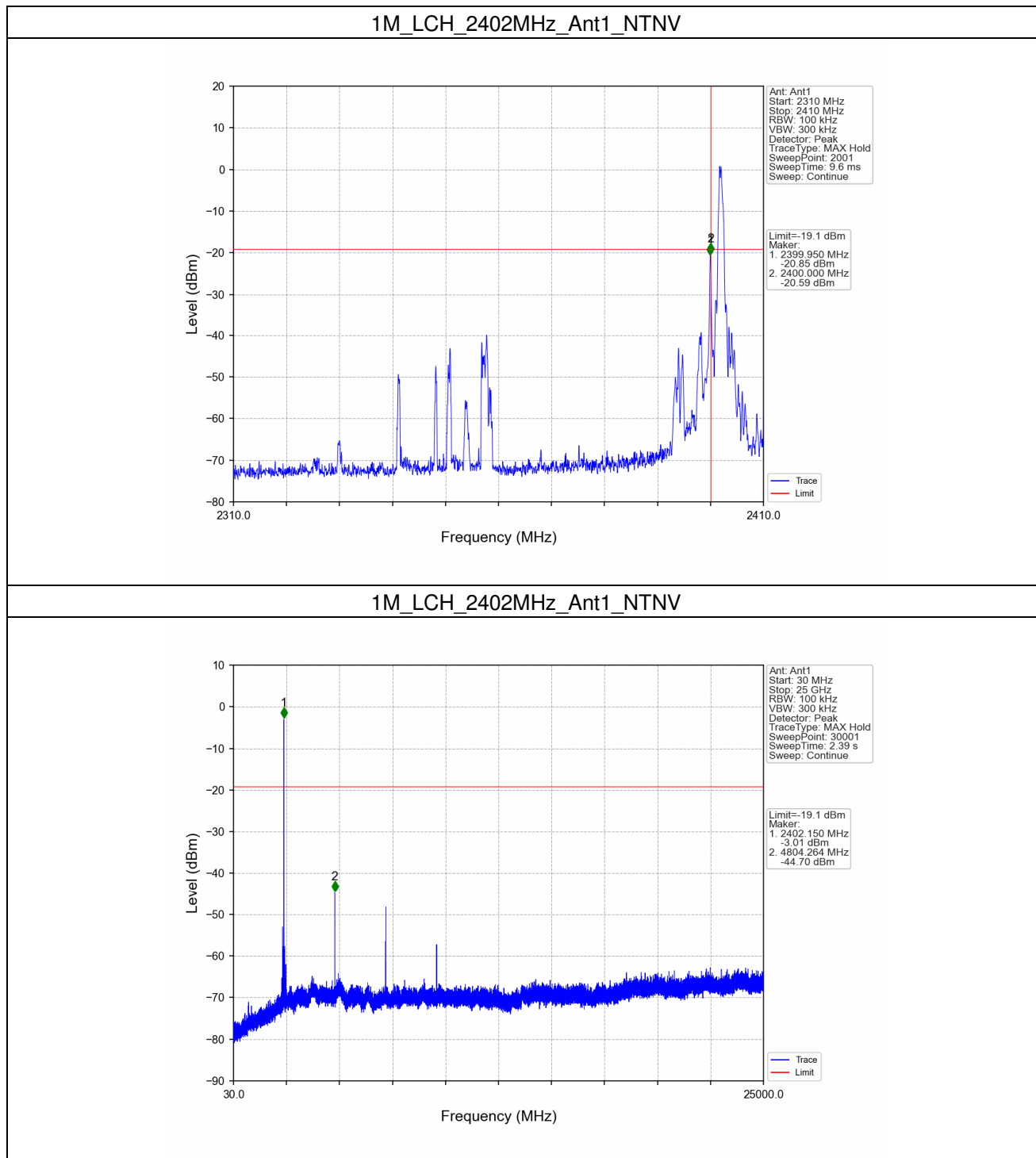
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1M_HCH_2480MHz_Ant1_NTNV



5.2.2 CSE and Band Edges



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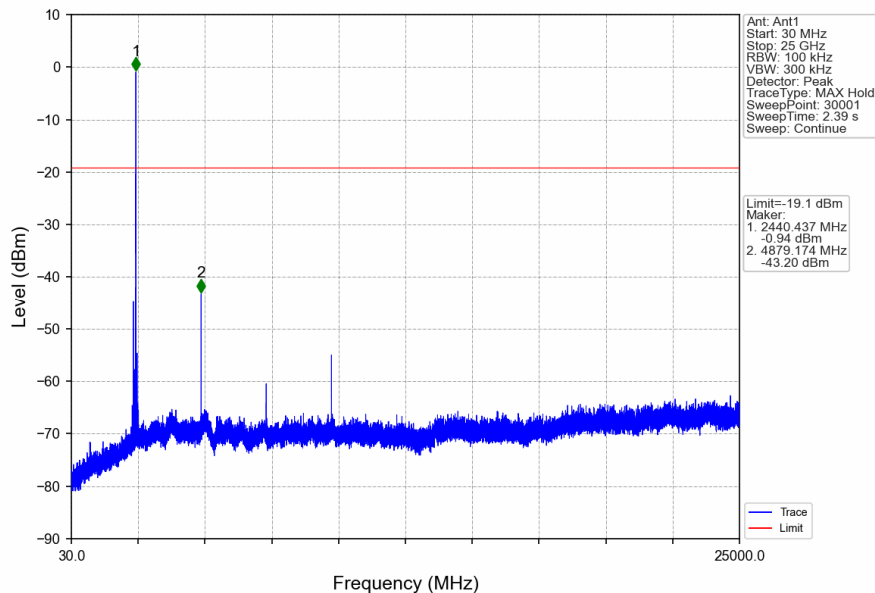
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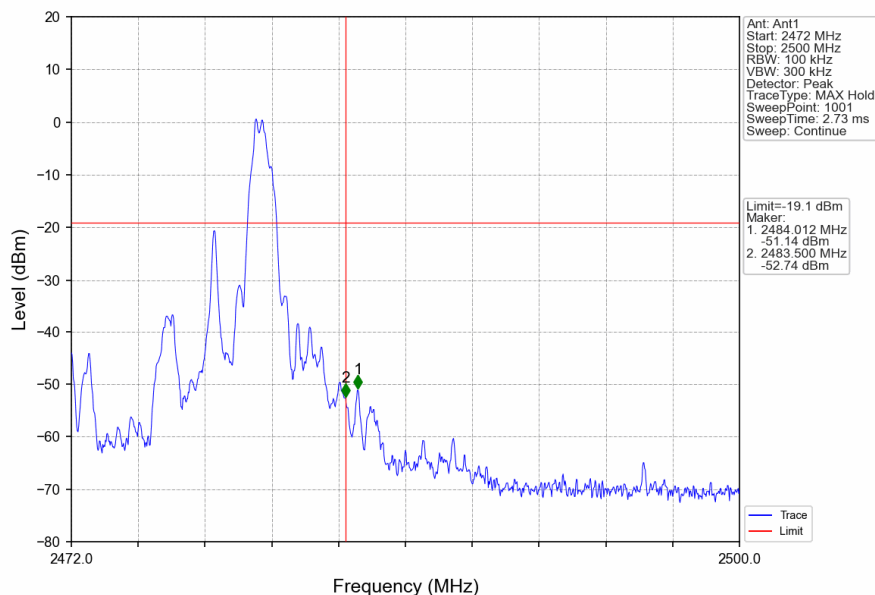
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