

Appendix B

Product Name:	Auto Diagnostic System
Test Model No.:	E81

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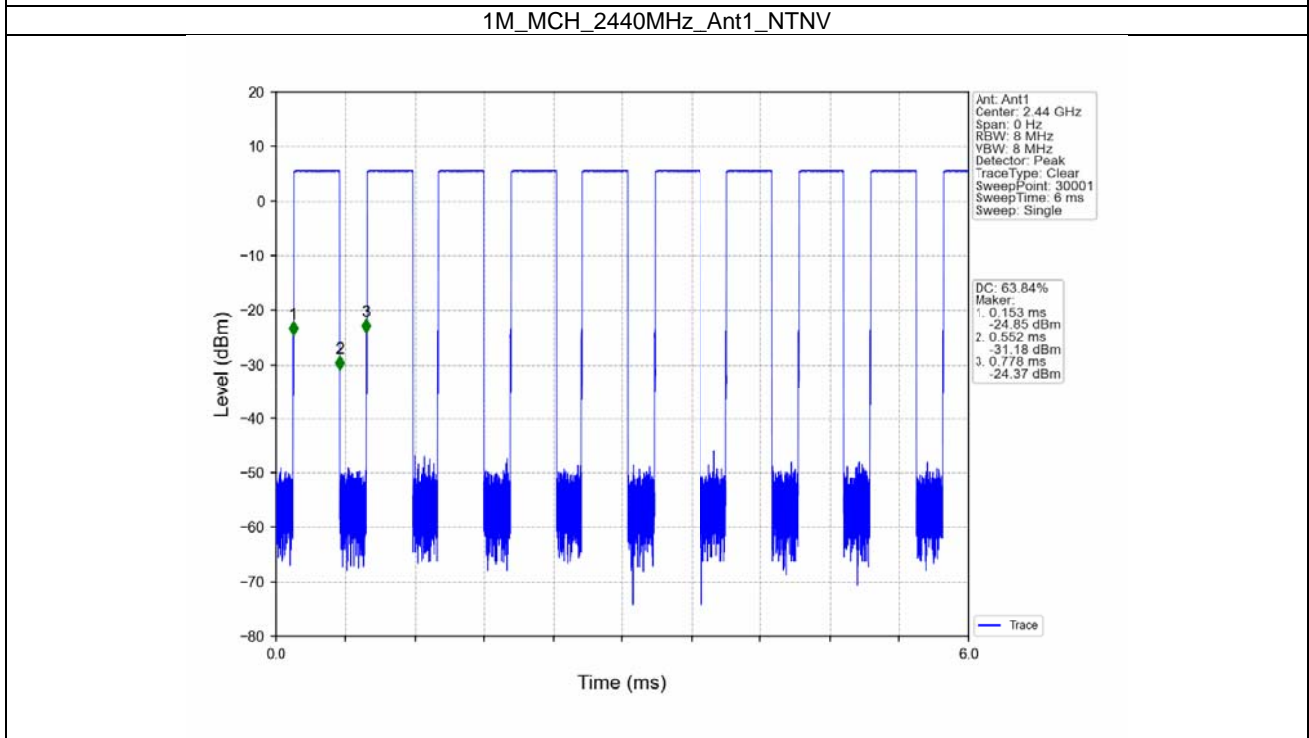
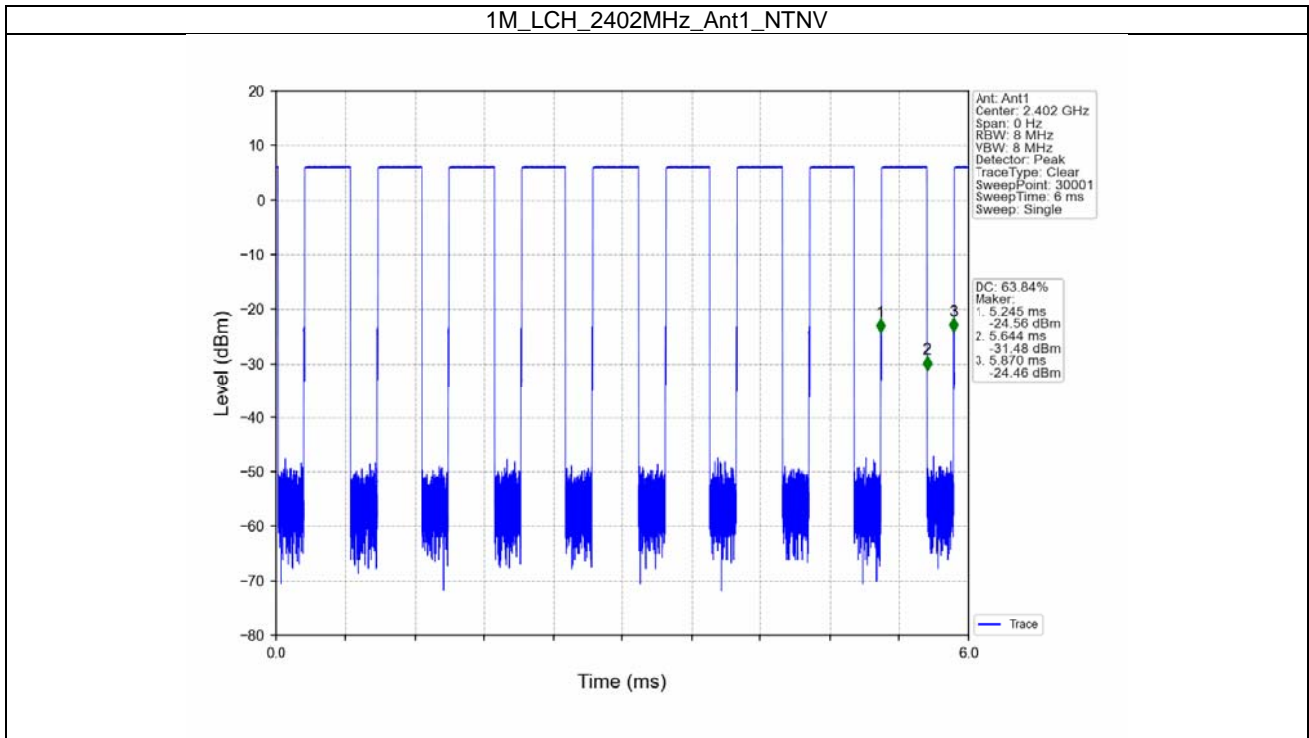
1. Duty Cycle

1.1 Ant1

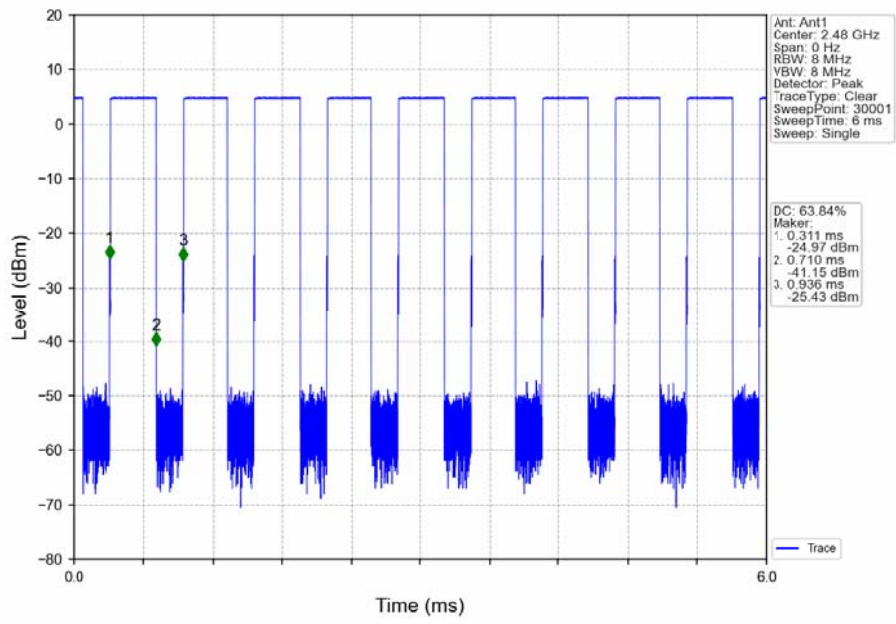
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.399	0.625	63.84	1.95	0.03
		2440	0.399	0.625	63.84	1.95	0.03
		2480	0.399	0.625	63.84	1.95	0.00

1.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



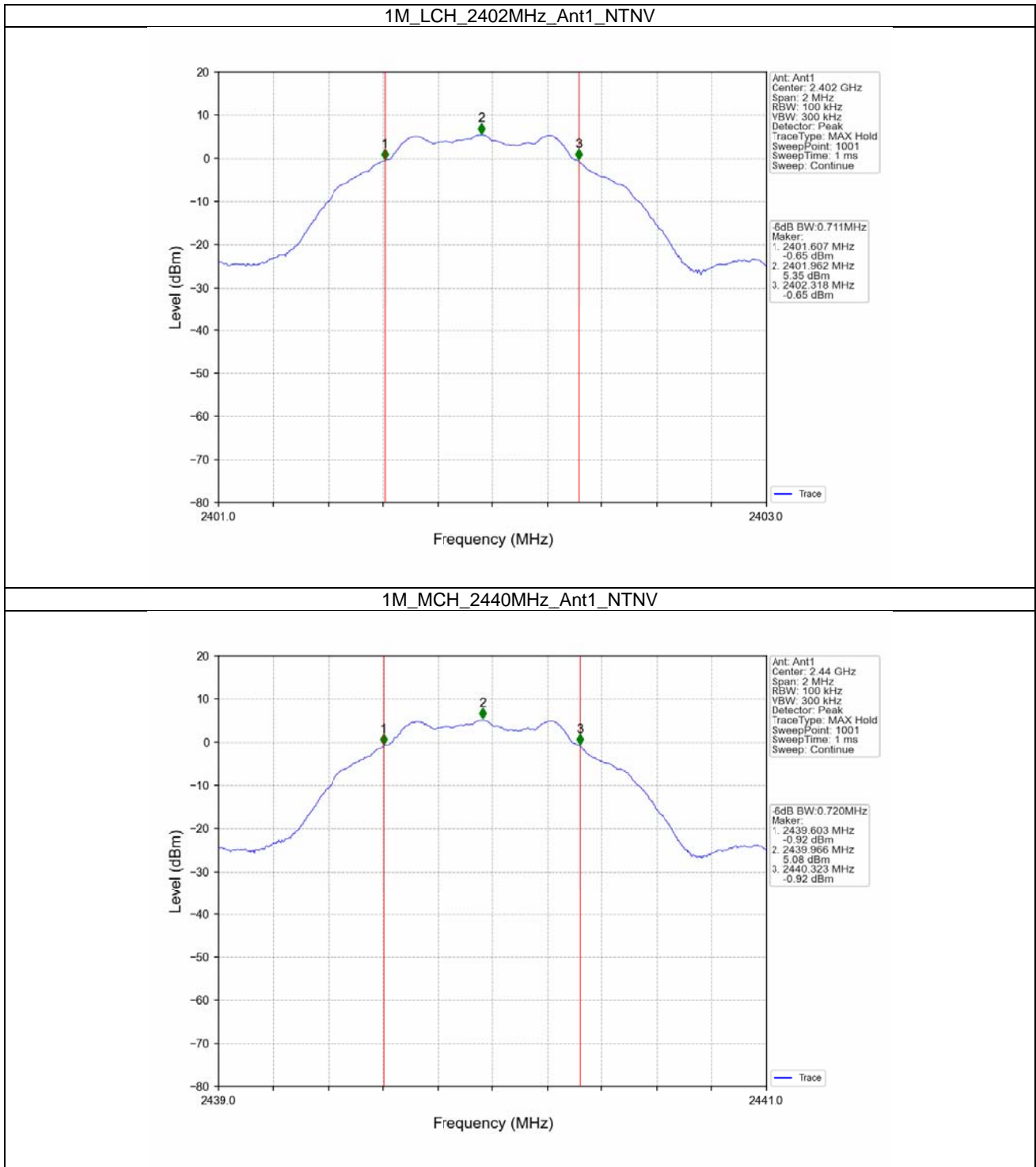
2. Bandwidth

2.1 6dB BW

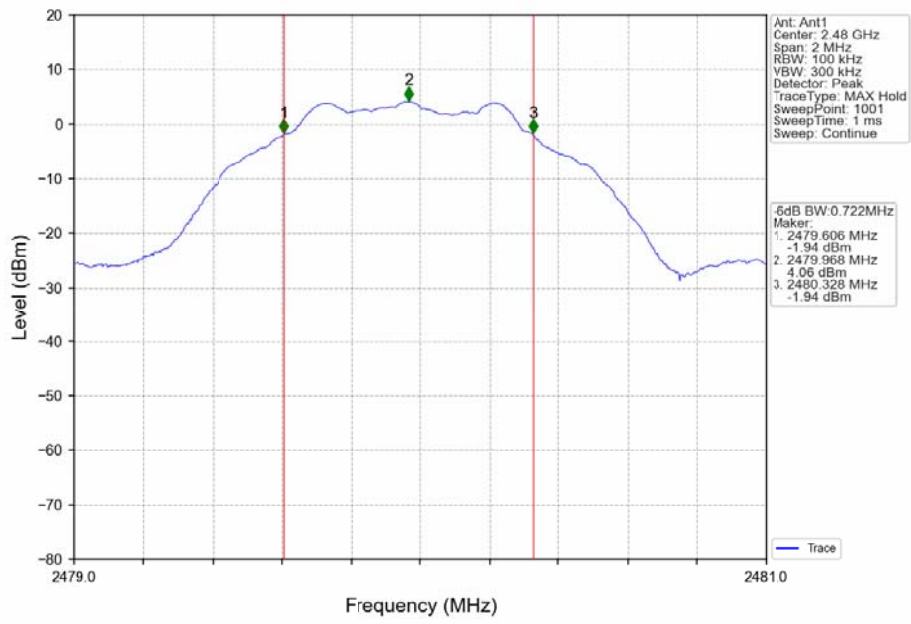
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.711	≥ 0.5	Pass
		2440	1	0.720	≥ 0.5	Pass
		2480	1	0.722	≥ 0.5	Pass

2.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

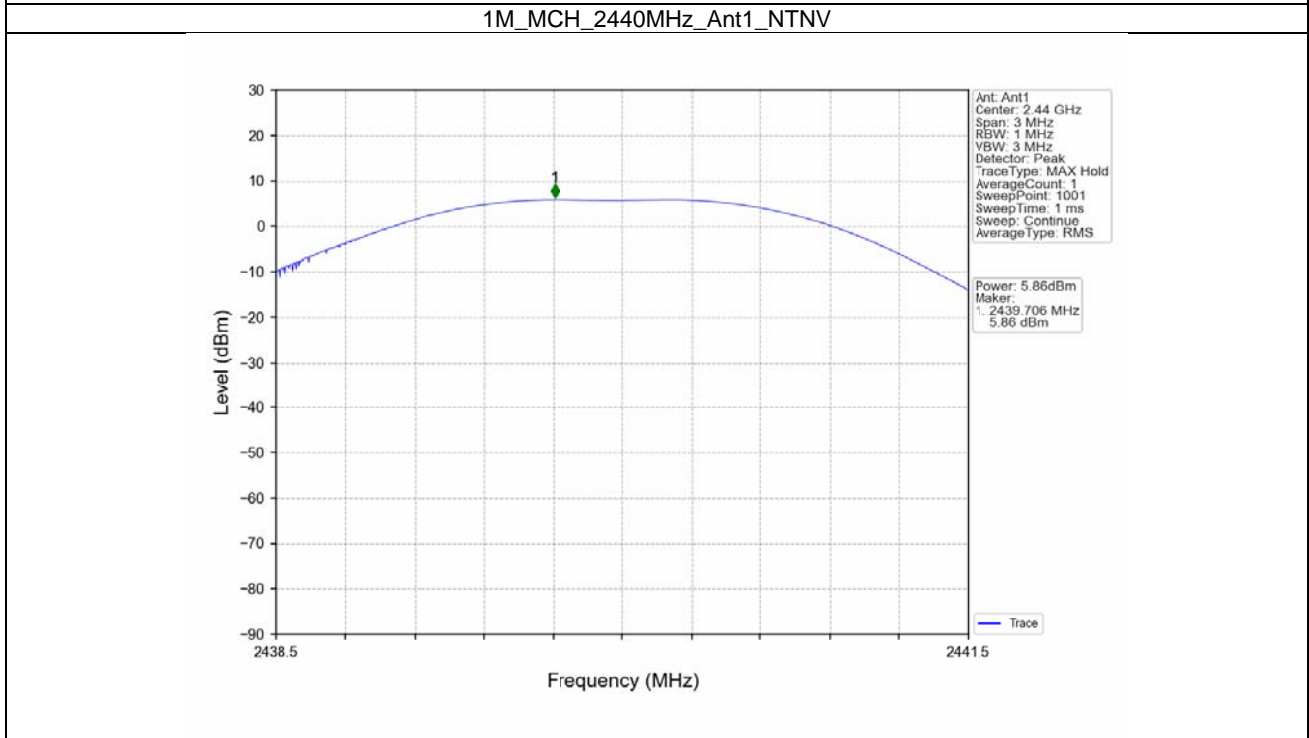
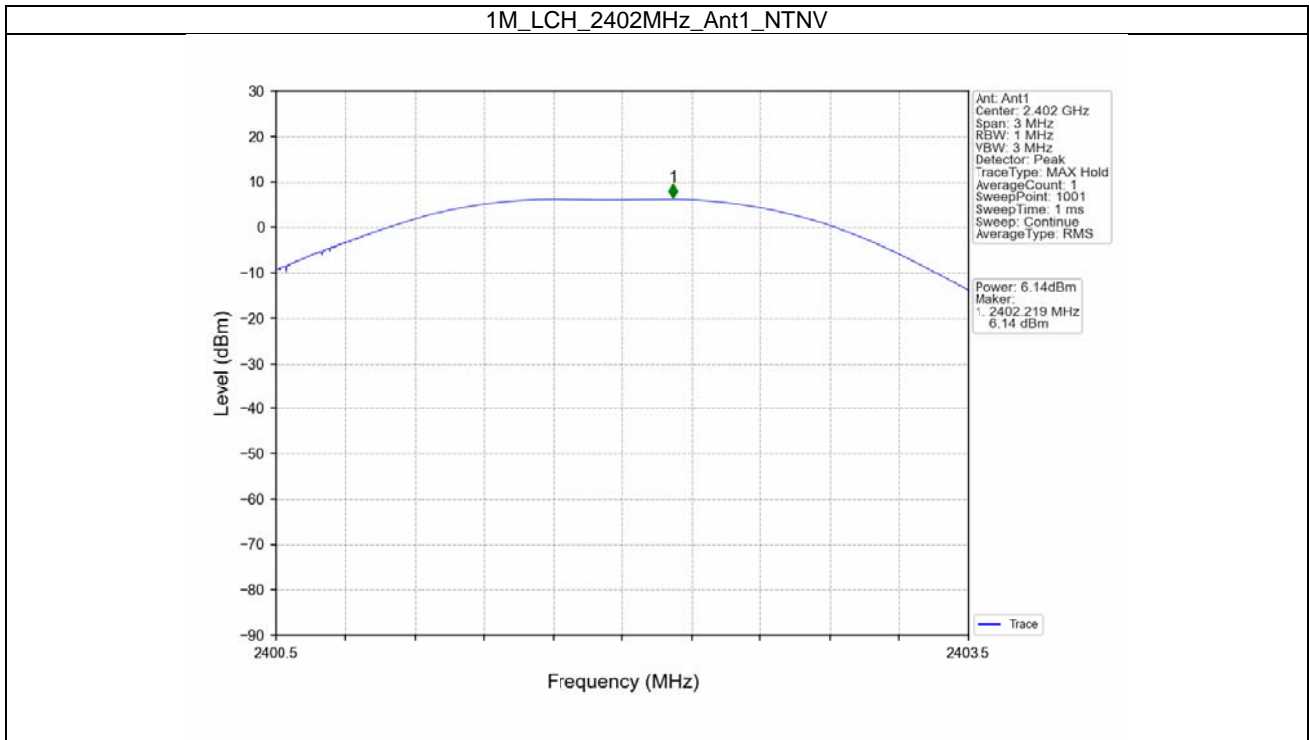
3.1 Power

3.1.1 Test Result

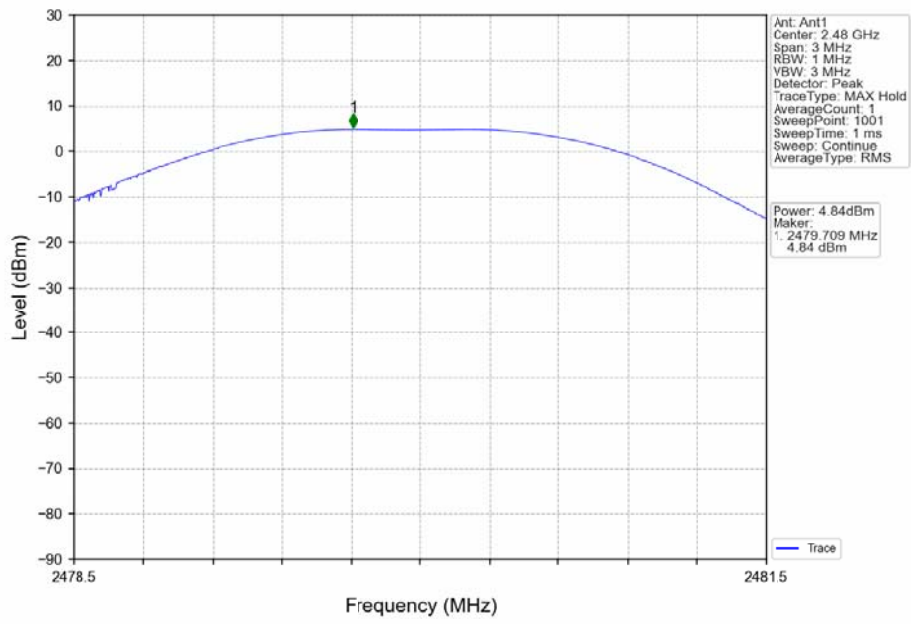
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	6.14	<=30	Pass
		2440	5.86	<=30	Pass
		2480	4.84	<=30	Pass

Note1: Antenna Gain: Ant1: 2.21dBi;

3.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



4. Maximum Power Spectral Density

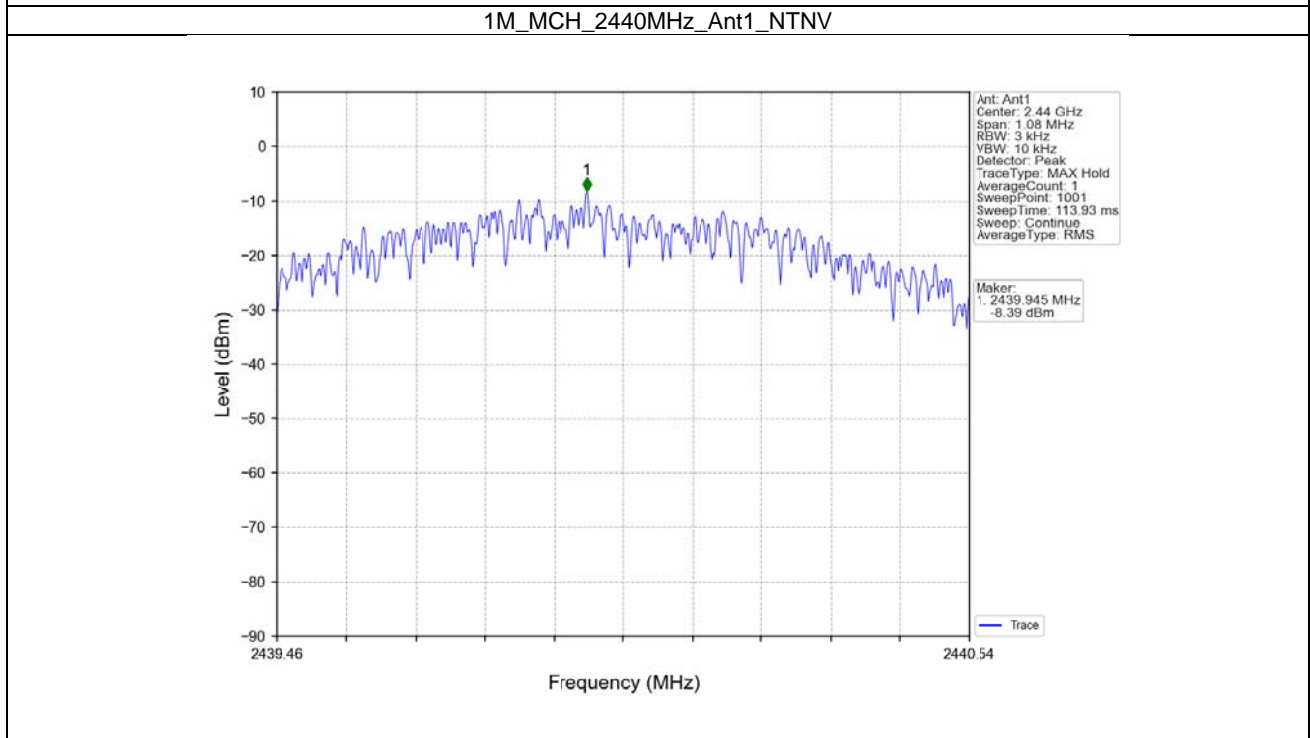
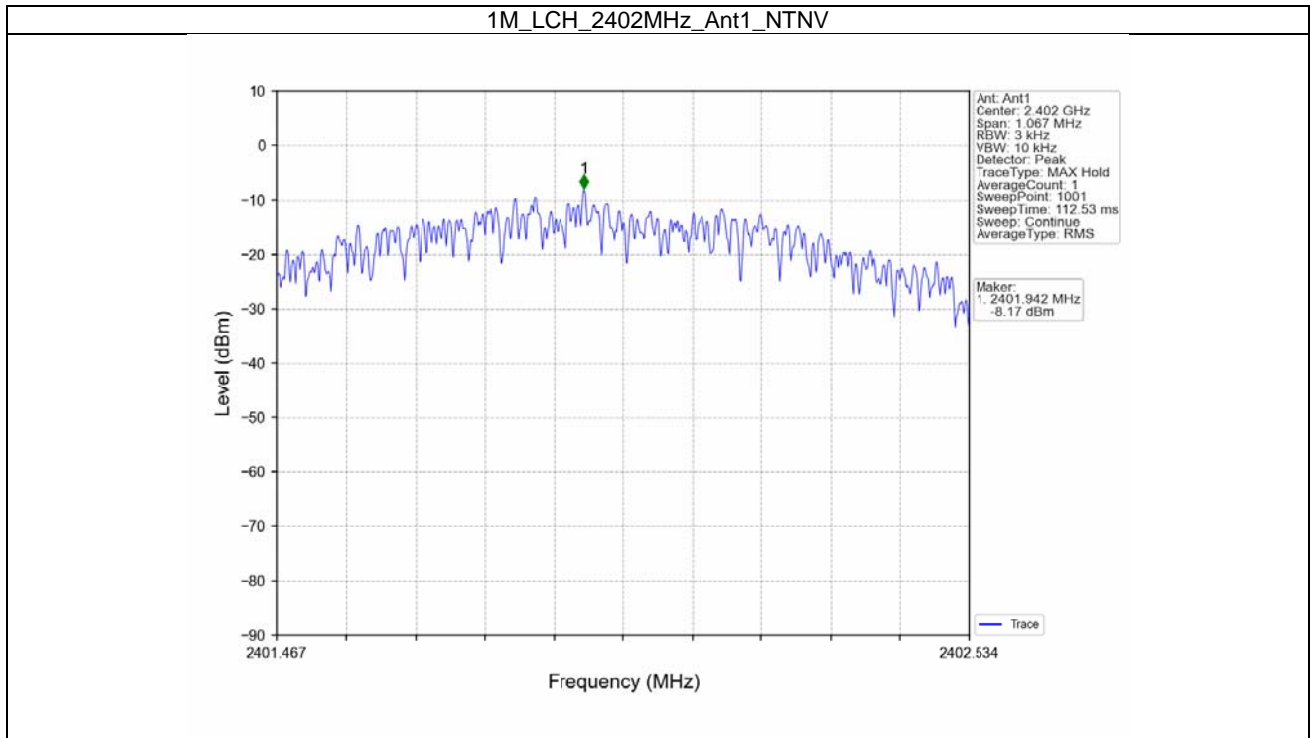
4.1 PSD

4.1.1 Test Result

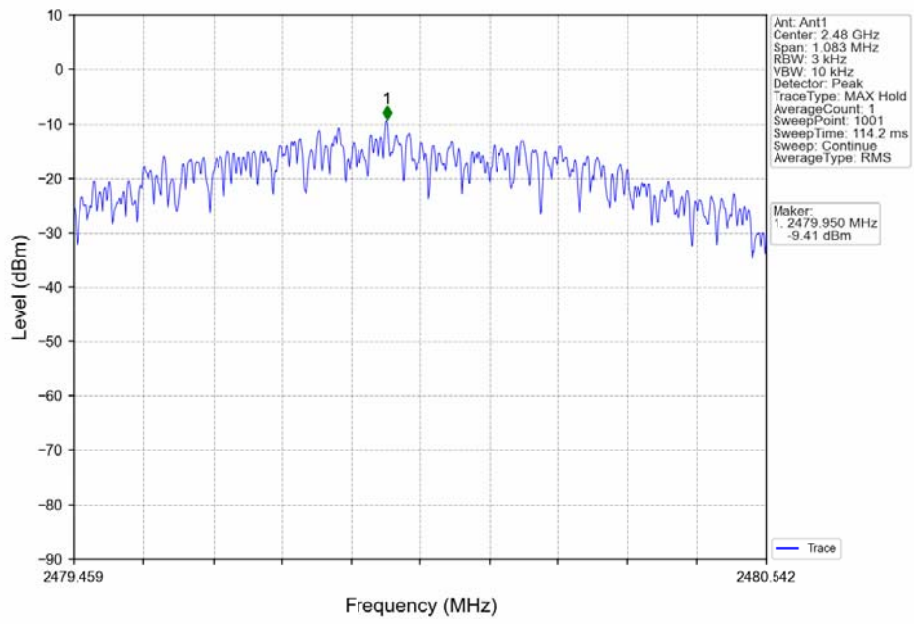
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-8.17	<=8	Pass
		2440	-8.39	<=8	Pass
		2480	-9.41	<=8	Pass

Note1: Antenna Gain: Ant1: 2.21dBi;

4.1.2 Test Graph



1M_HCH_2480MHz_Ant1_NTNV



5. Unwanted Emissions InStandard Non-restricted Frequency Bands

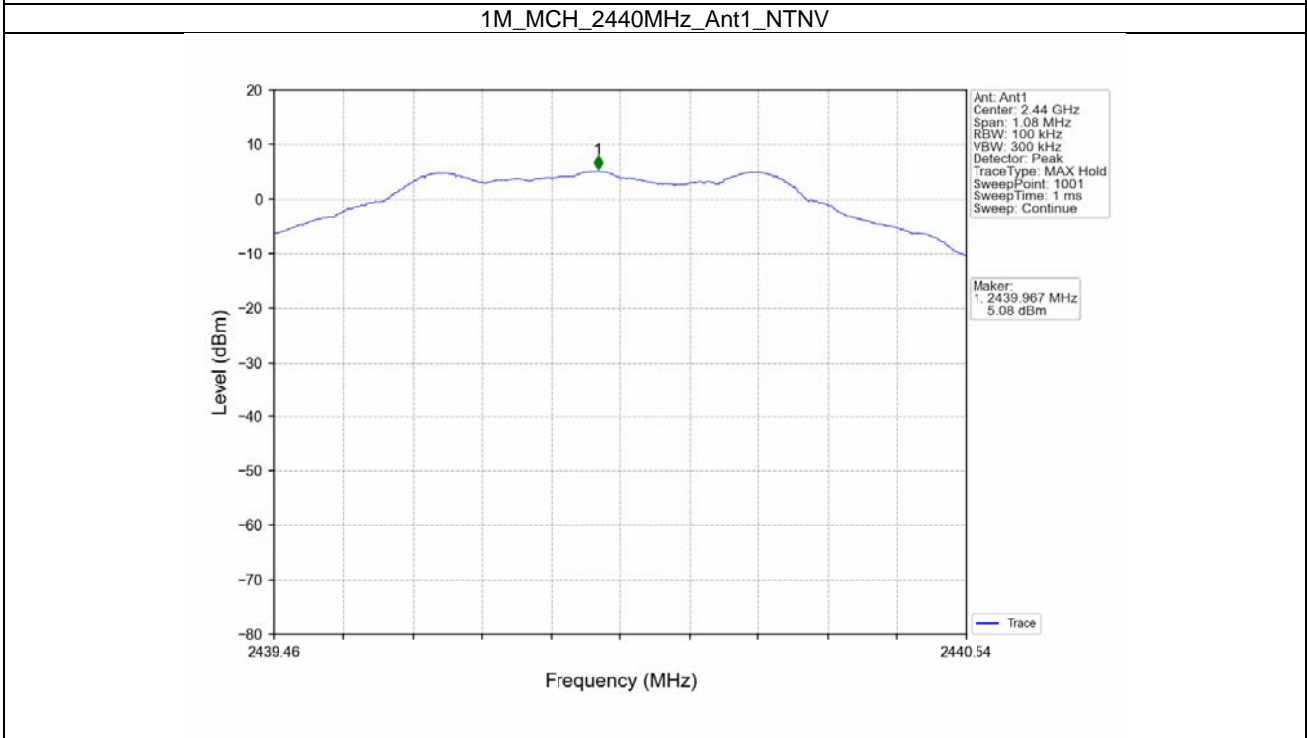
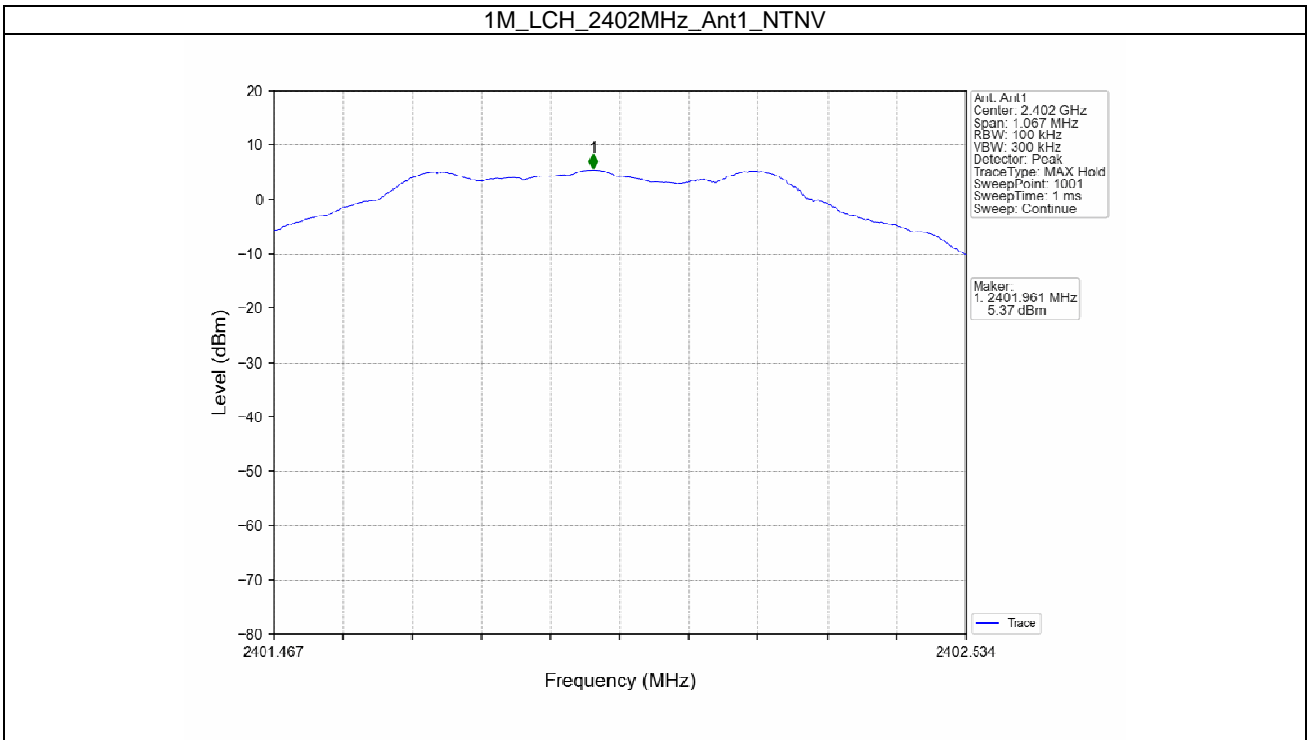
5.1 Ref

5.1.1 Test Result

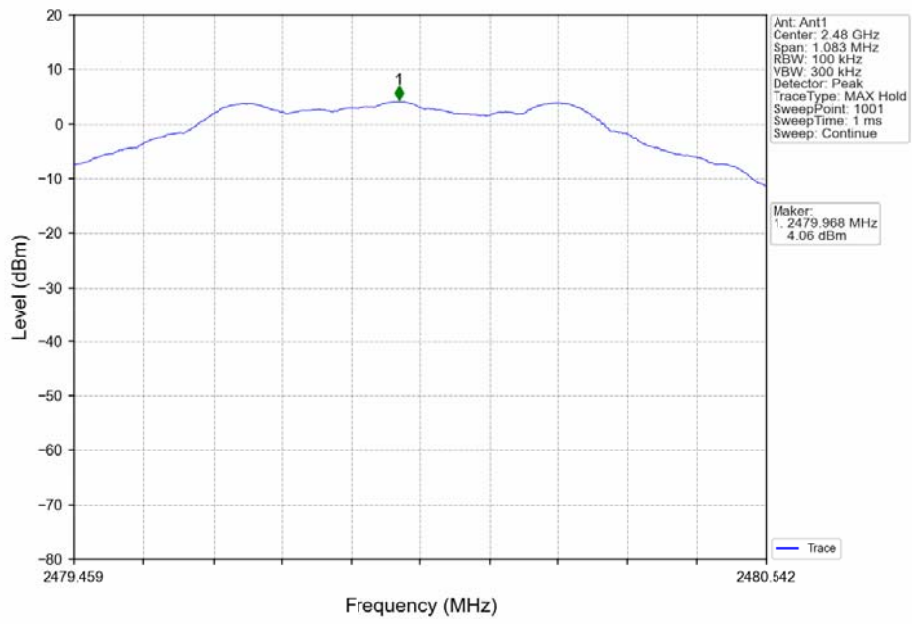
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	5.37
		2440	1	5.08
		2480	1	4.06

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



1M_HCH_2480MHz_Ant1_NTNV



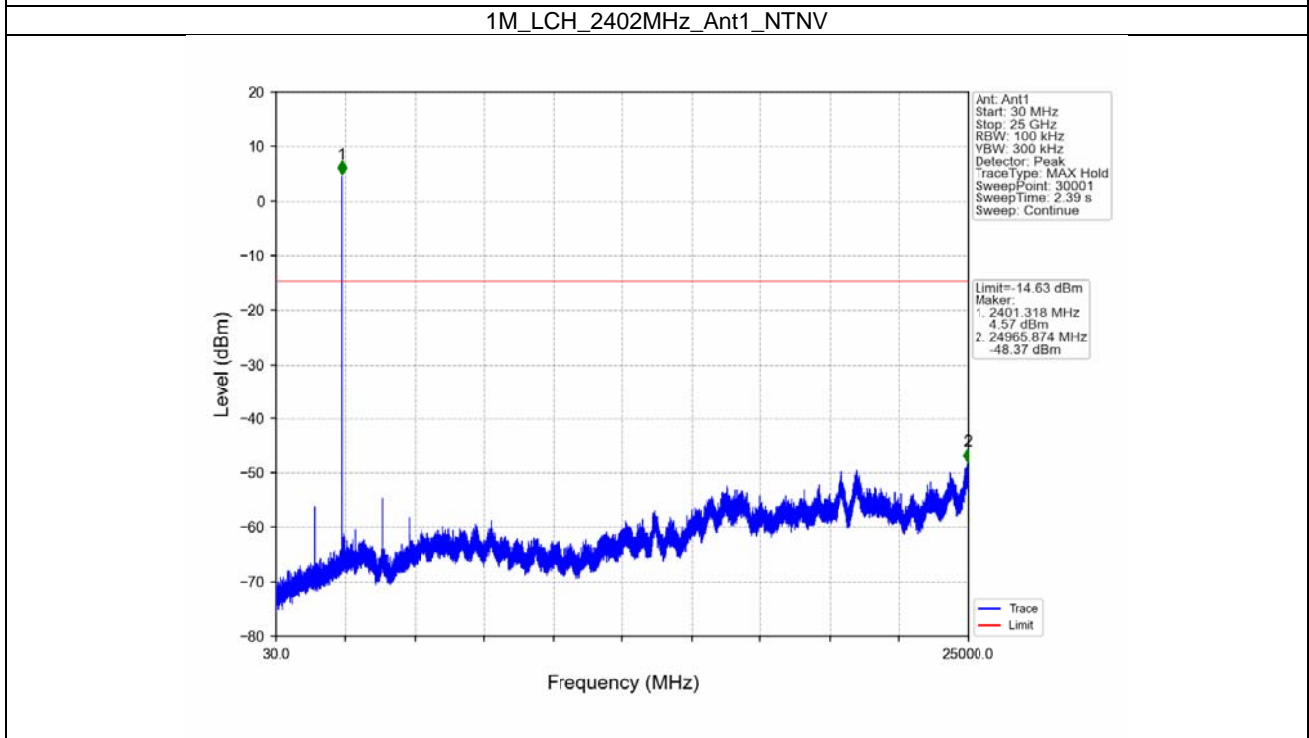
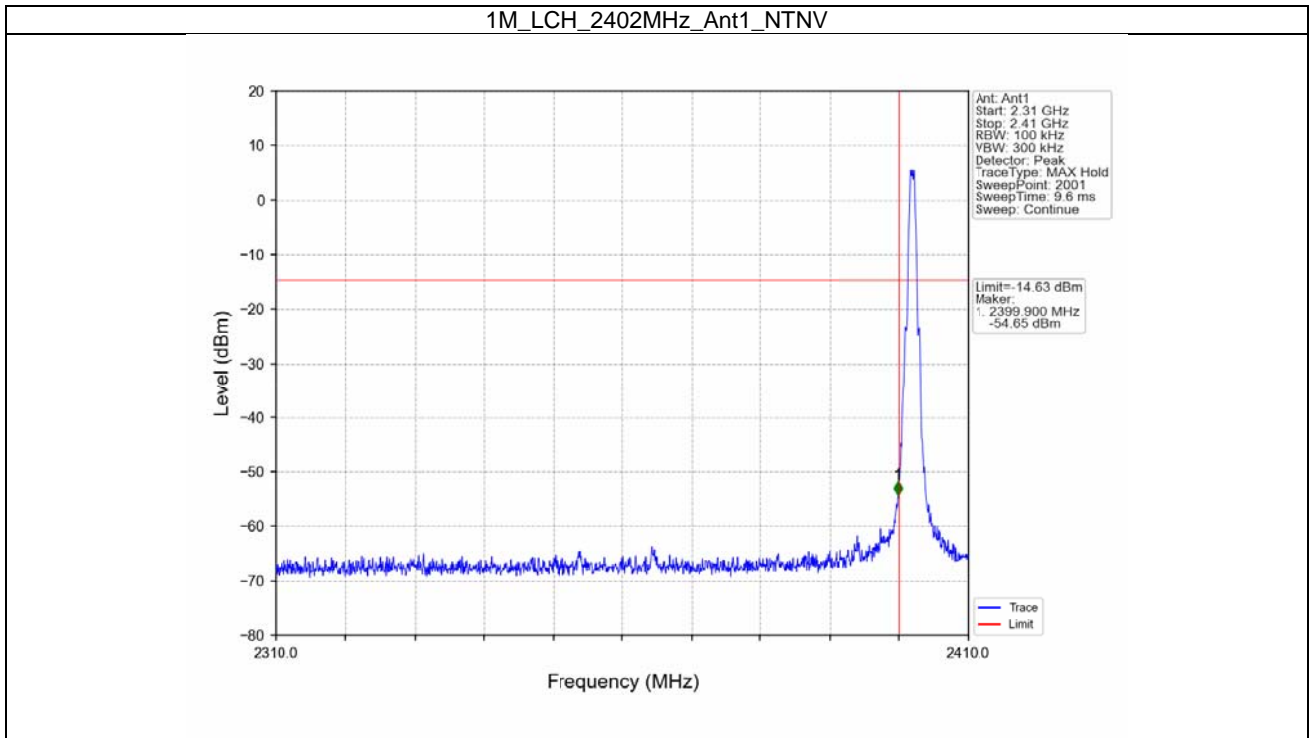
5.2 CSE

5.2.1 Test Result

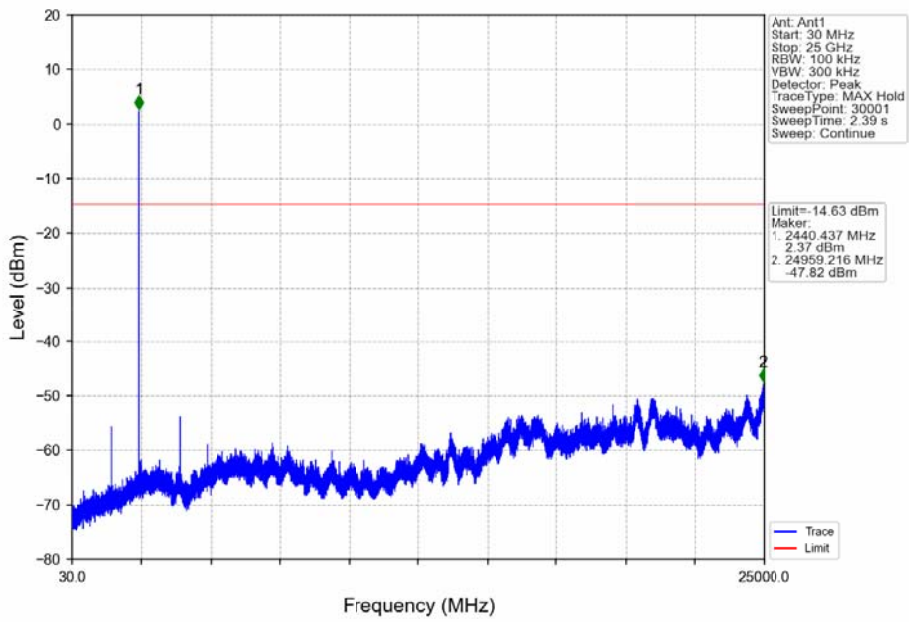
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	5.37	-14.63	Pass
		2440	1	5.37	-14.63	Pass
		2480	1	5.37	-14.63	Pass

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.

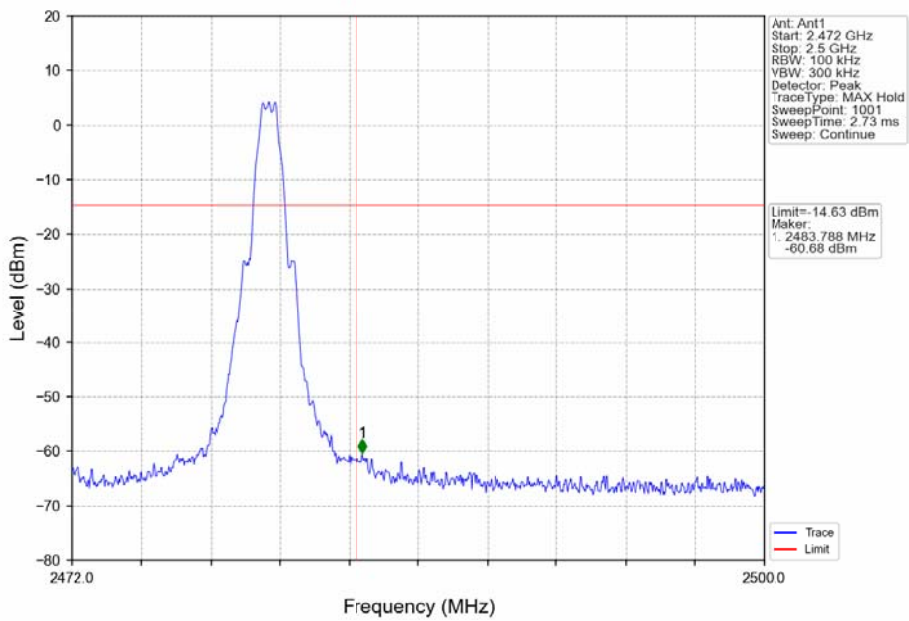
5.2.2 Test Graph



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

