



Annex for BLE

Test Report No.: CTL2403012071-WF02

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1. Bandwidth

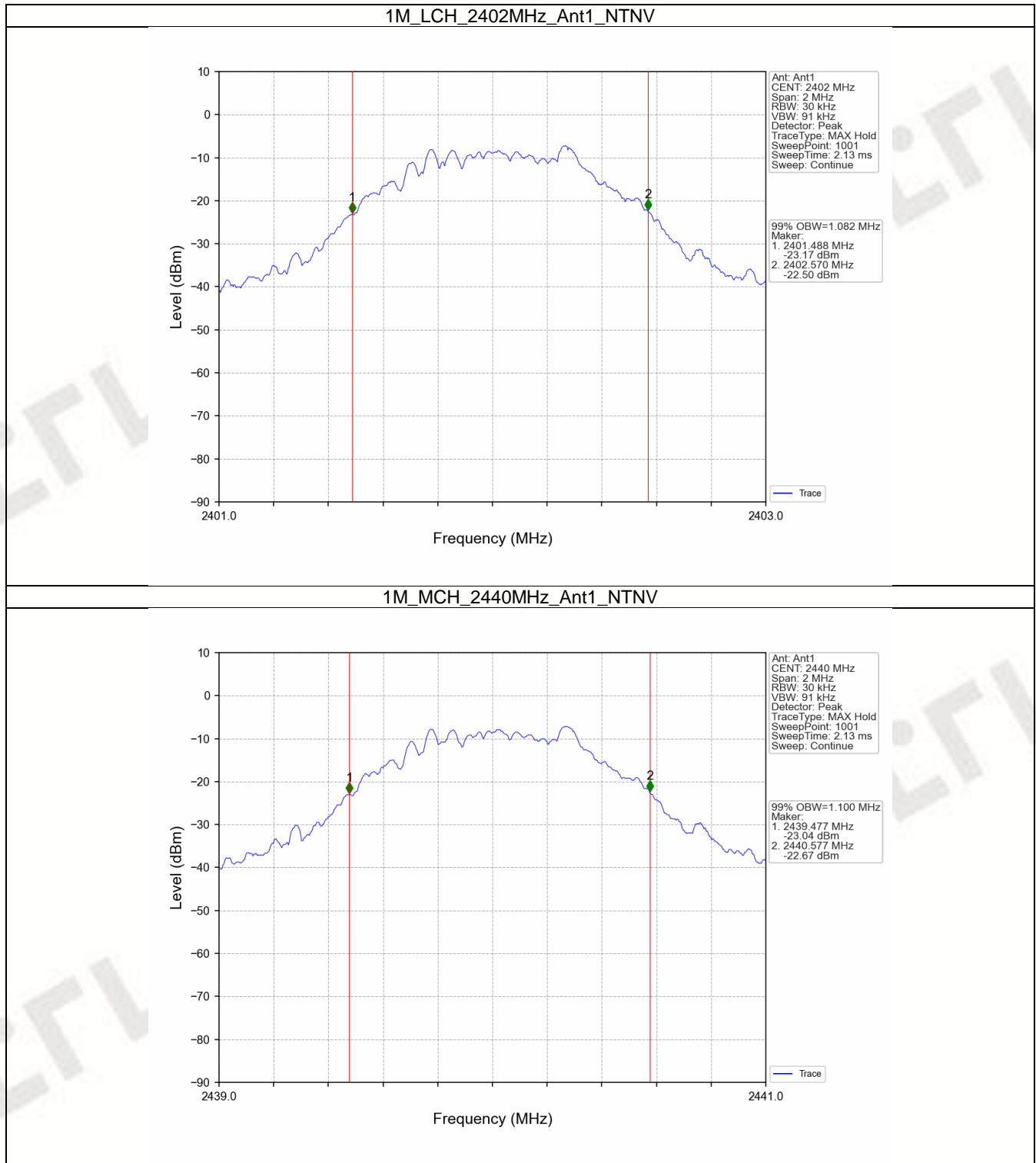
1.1 OBW

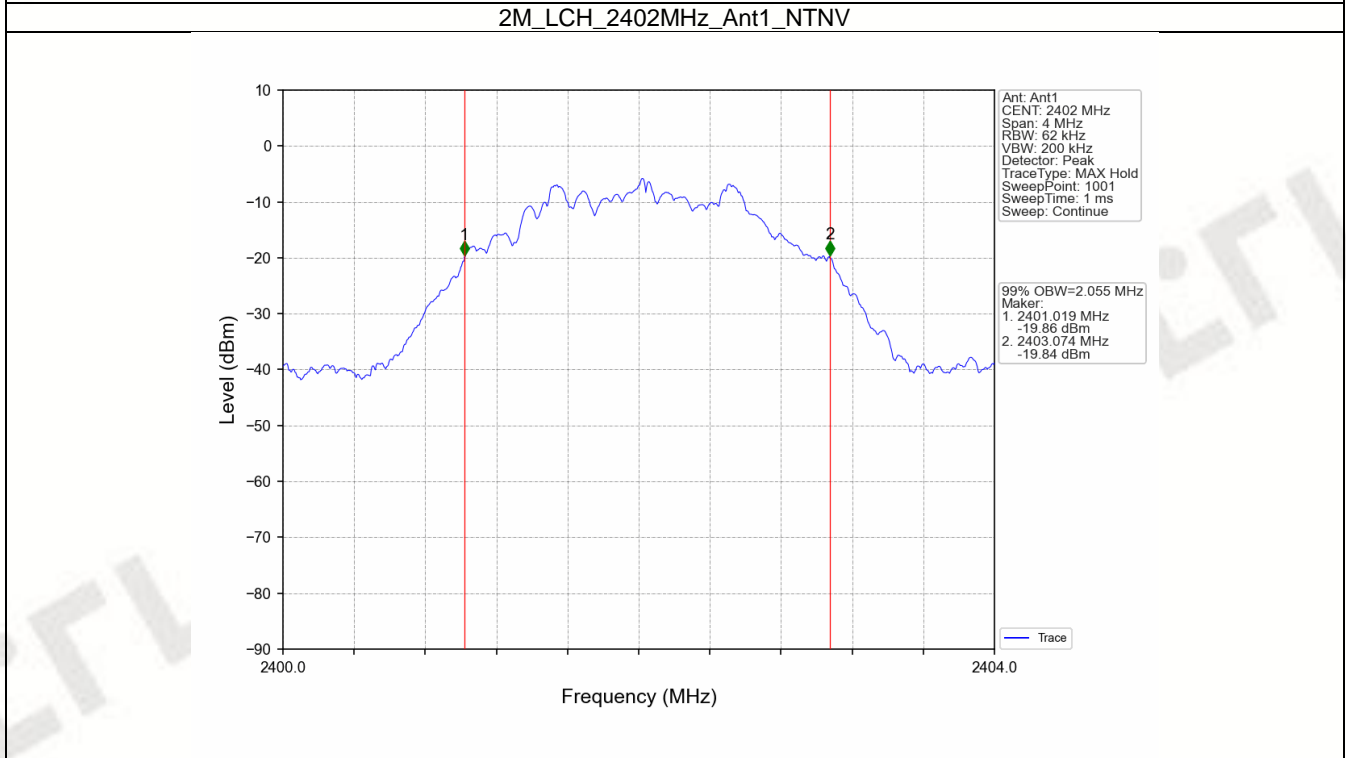
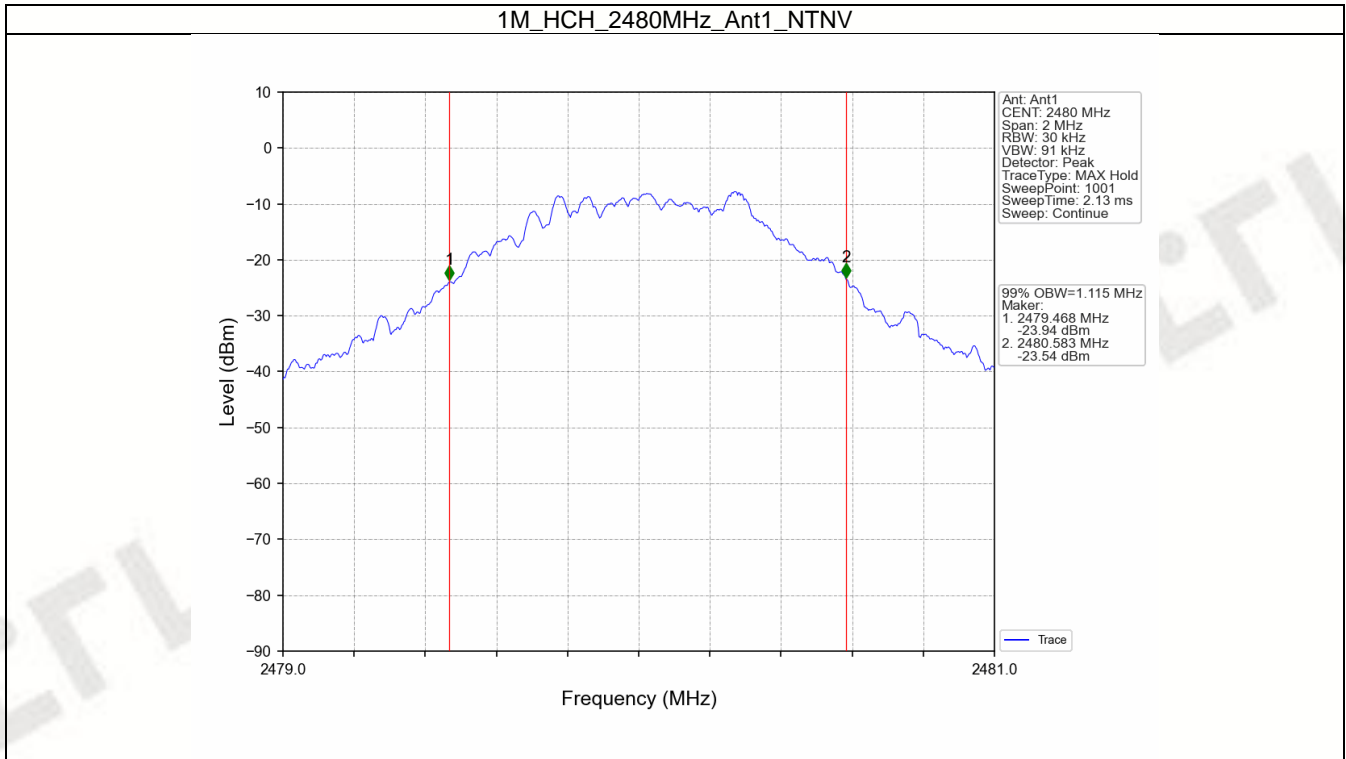
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.082	/	Pass
		2440	1	1.100	/	Pass
		2480	1	1.115	/	Pass
2M	SISO	2402	1	2.055	/	Pass
		2440	1	2.053	/	Pass
		2480	1	2.058	/	Pass

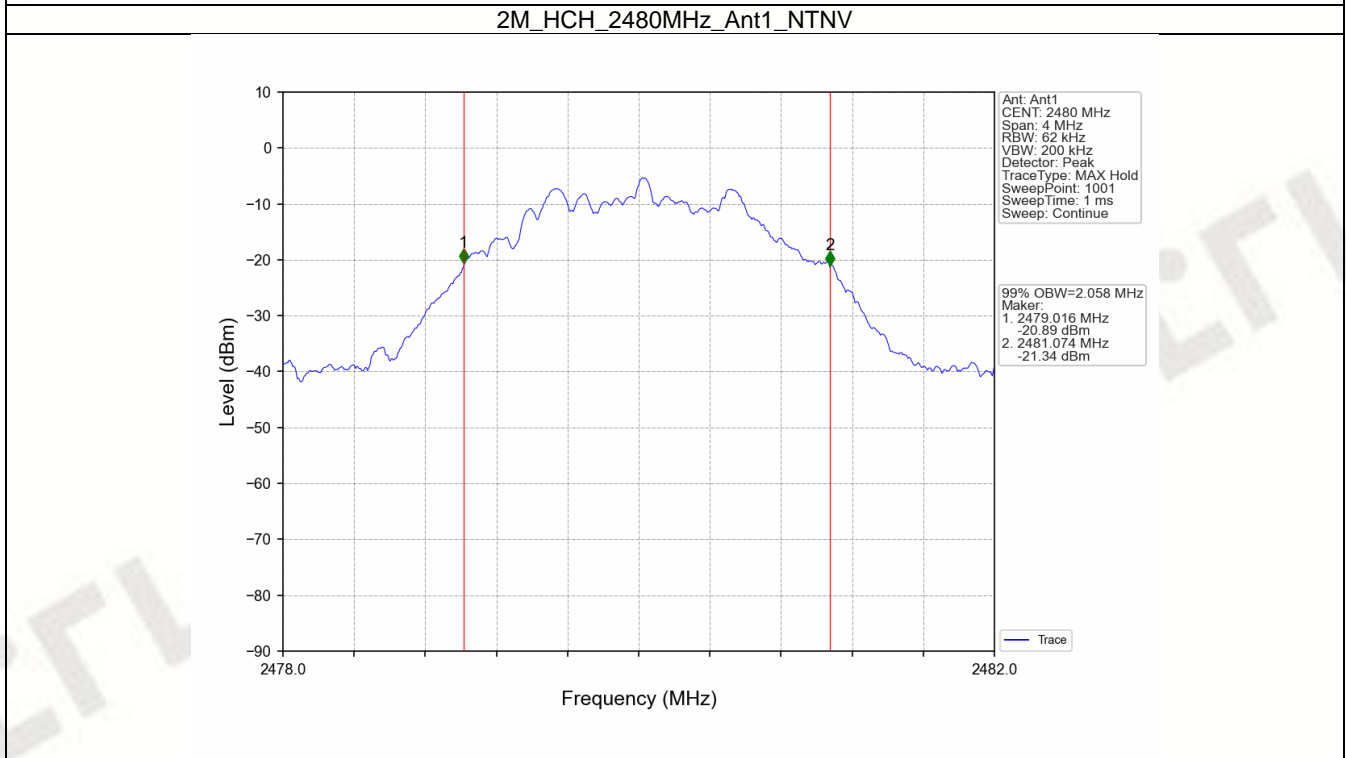
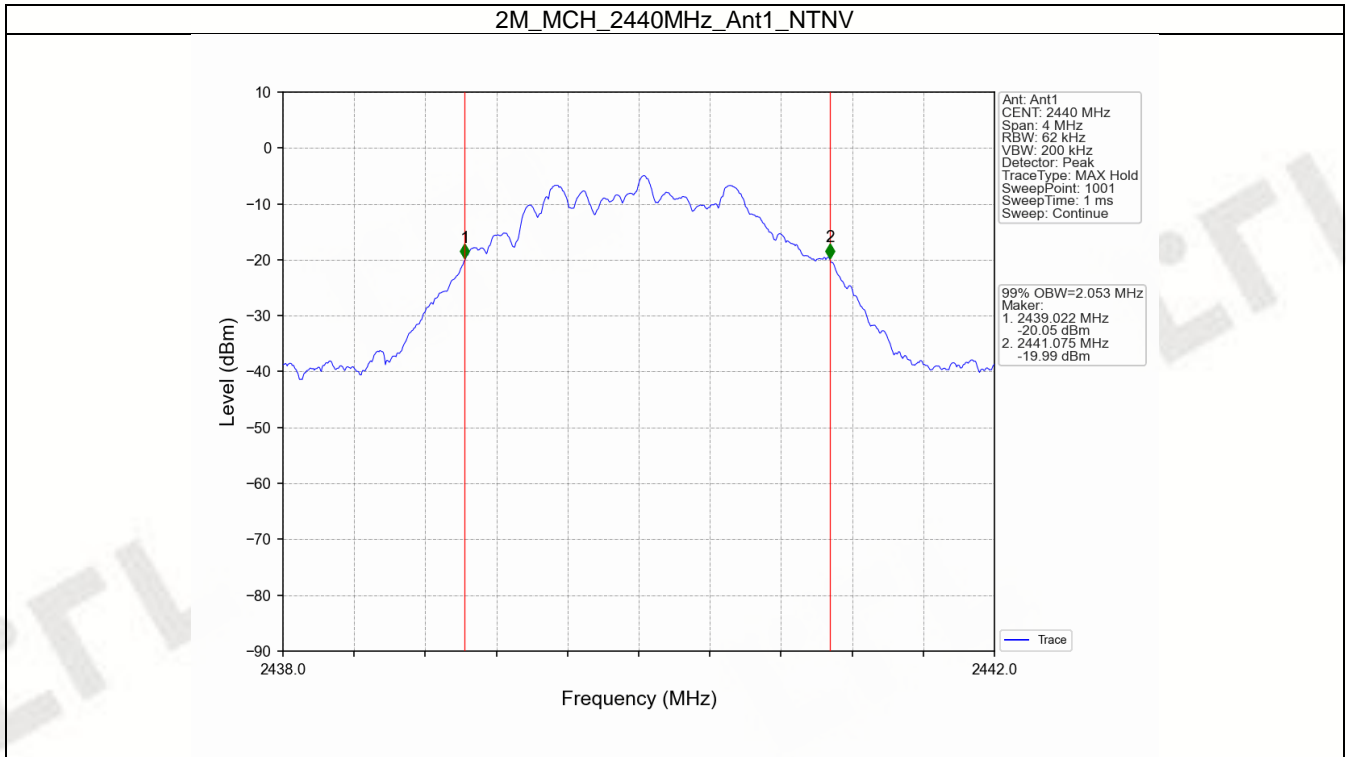
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1.1.2 Test Graph





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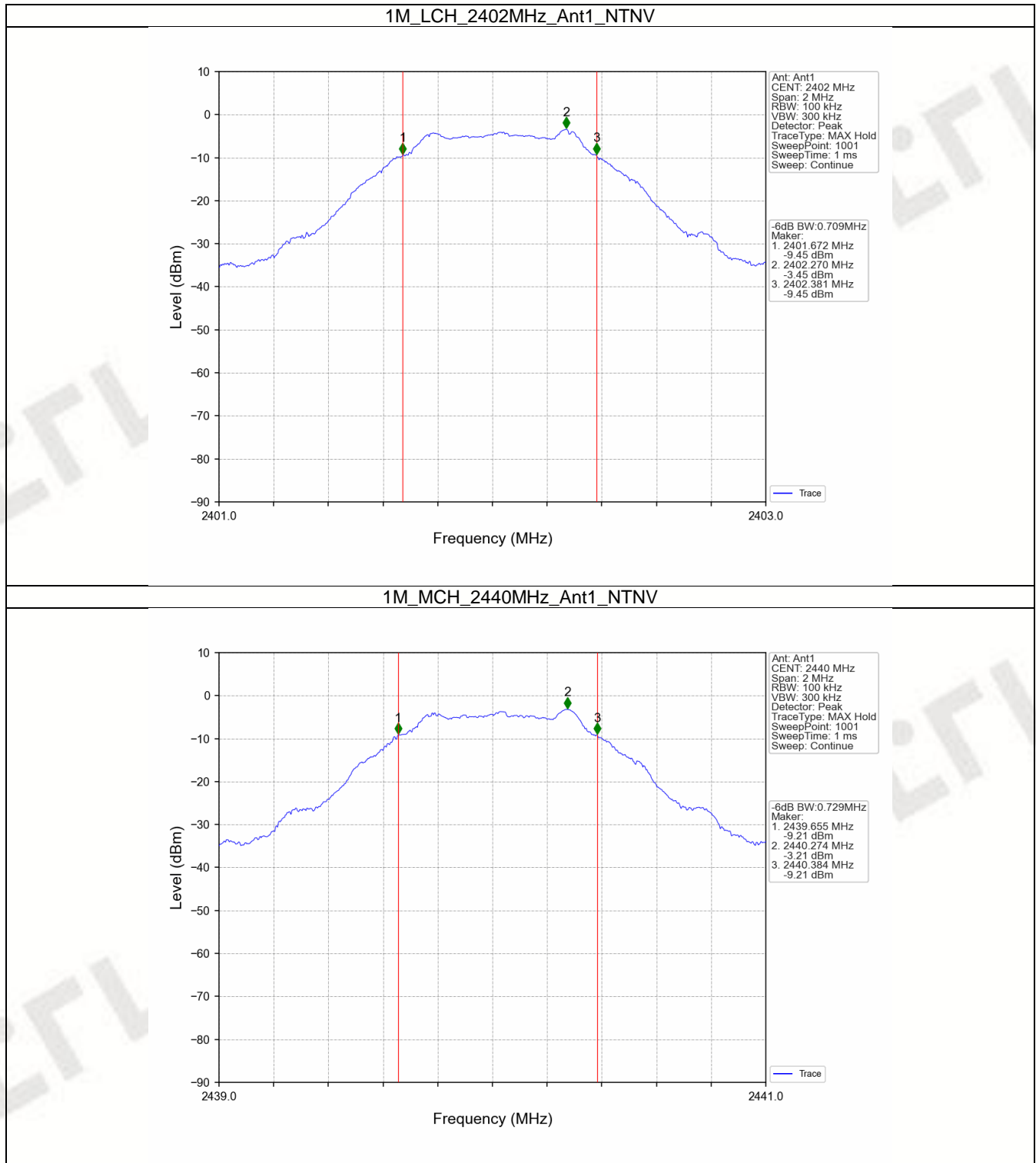
1.2 6dB BW

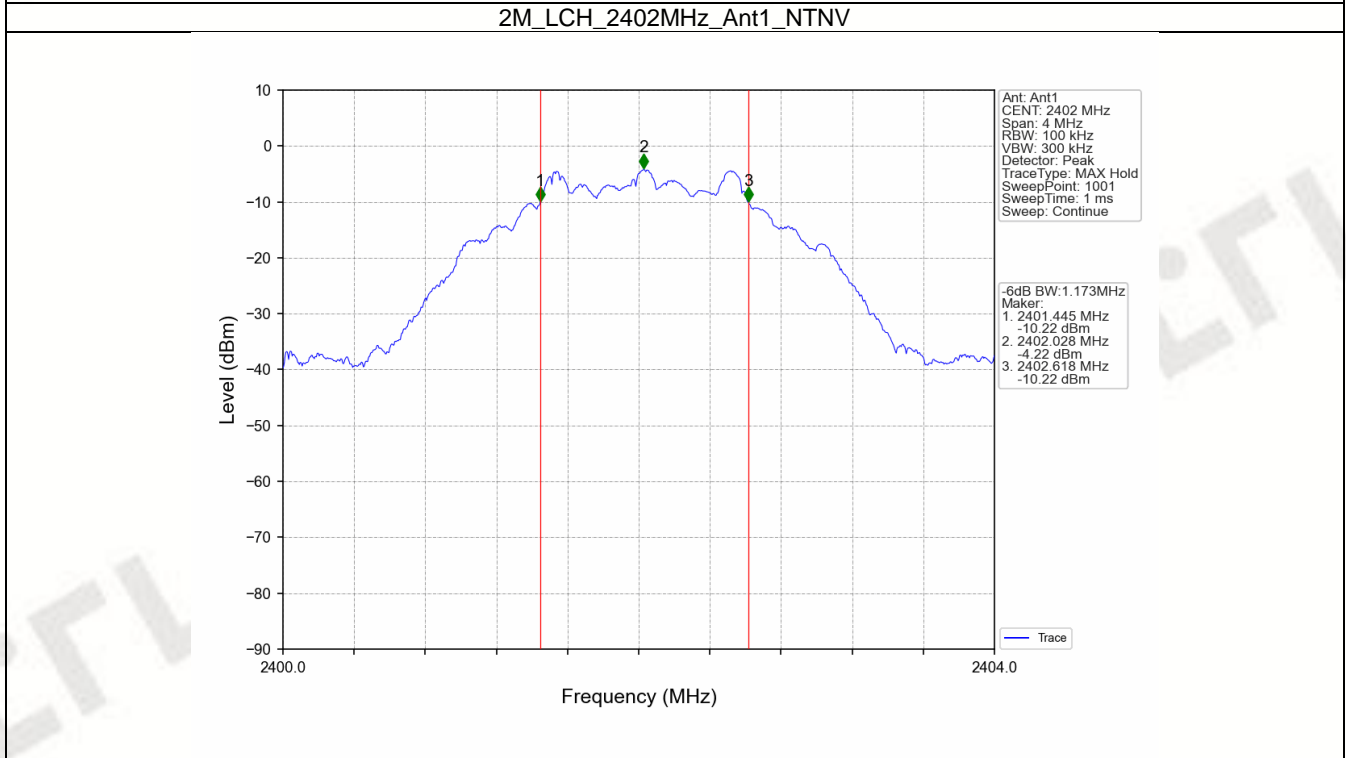
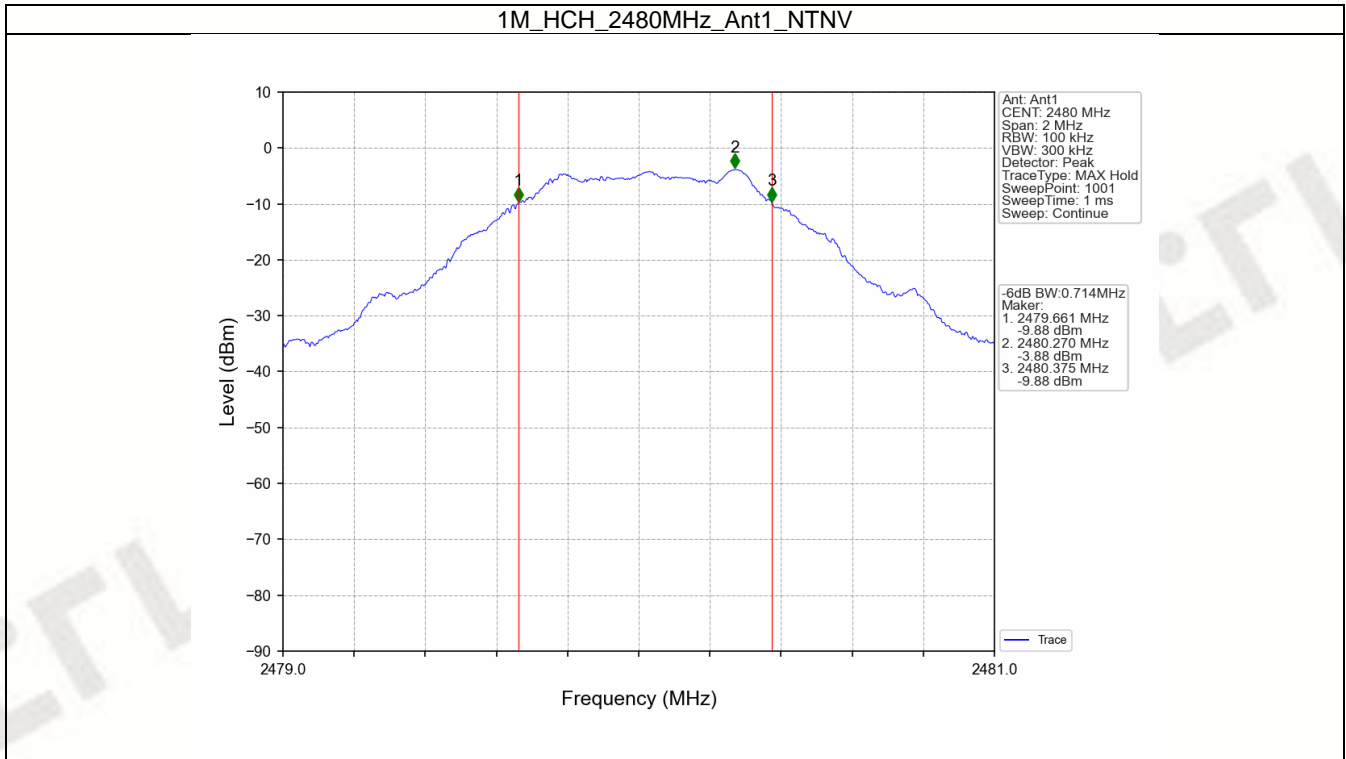
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.709	≥ 0.5	Pass
		2440	1	0.729	≥ 0.5	Pass
		2480	1	0.714	≥ 0.5	Pass
2M	SISO	2402	1	1.173	≥ 0.5	Pass
		2440	1	1.173	≥ 0.5	Pass
		2480	1	1.148	≥ 0.5	Pass

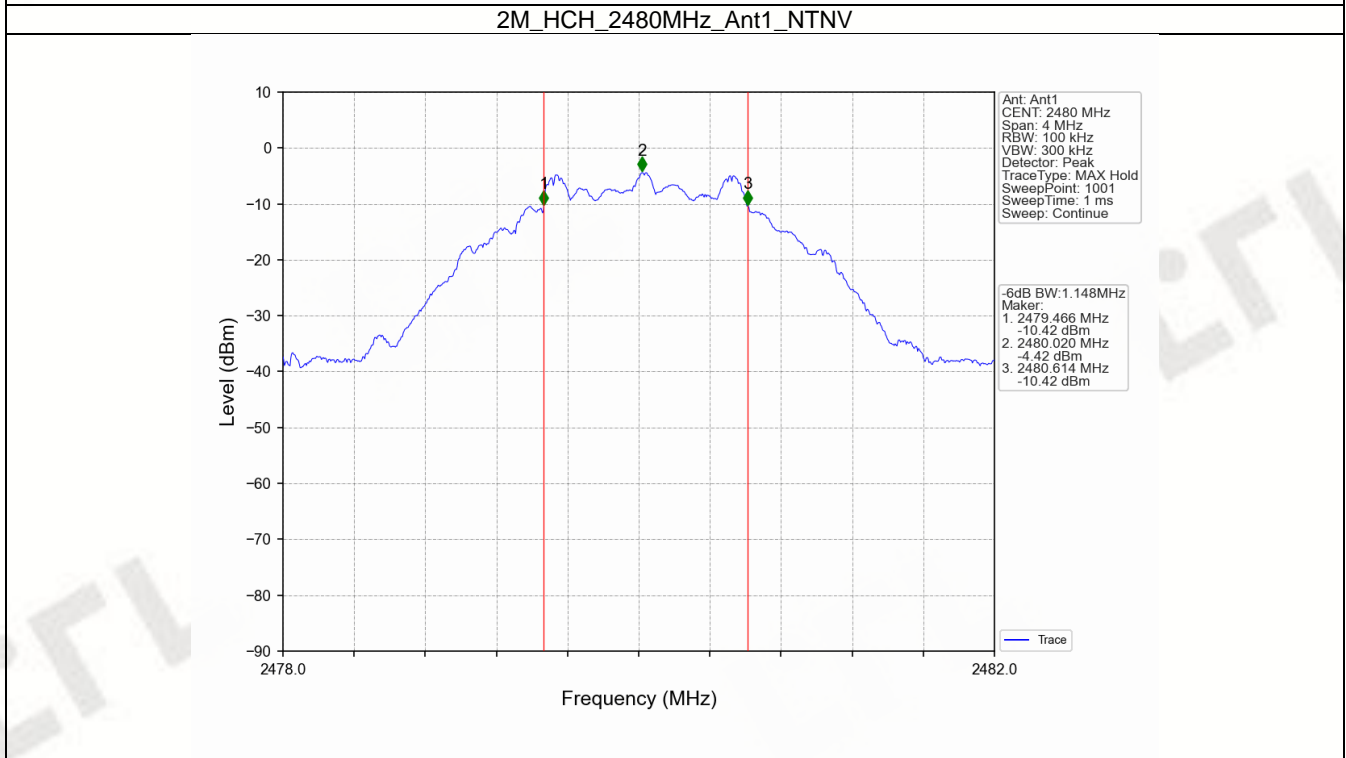
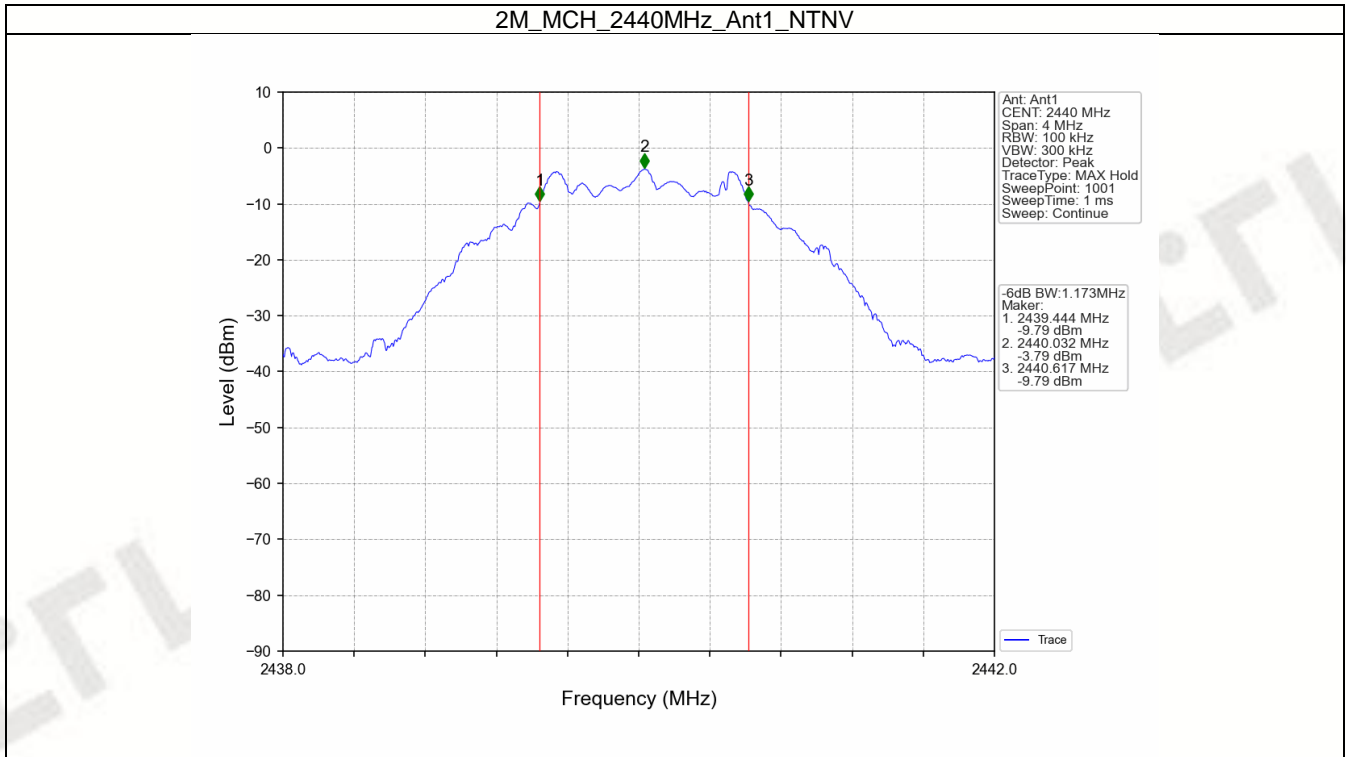
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1.2.2 Test Graph





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2. Maximum Conducted Output Power

2.1 Power

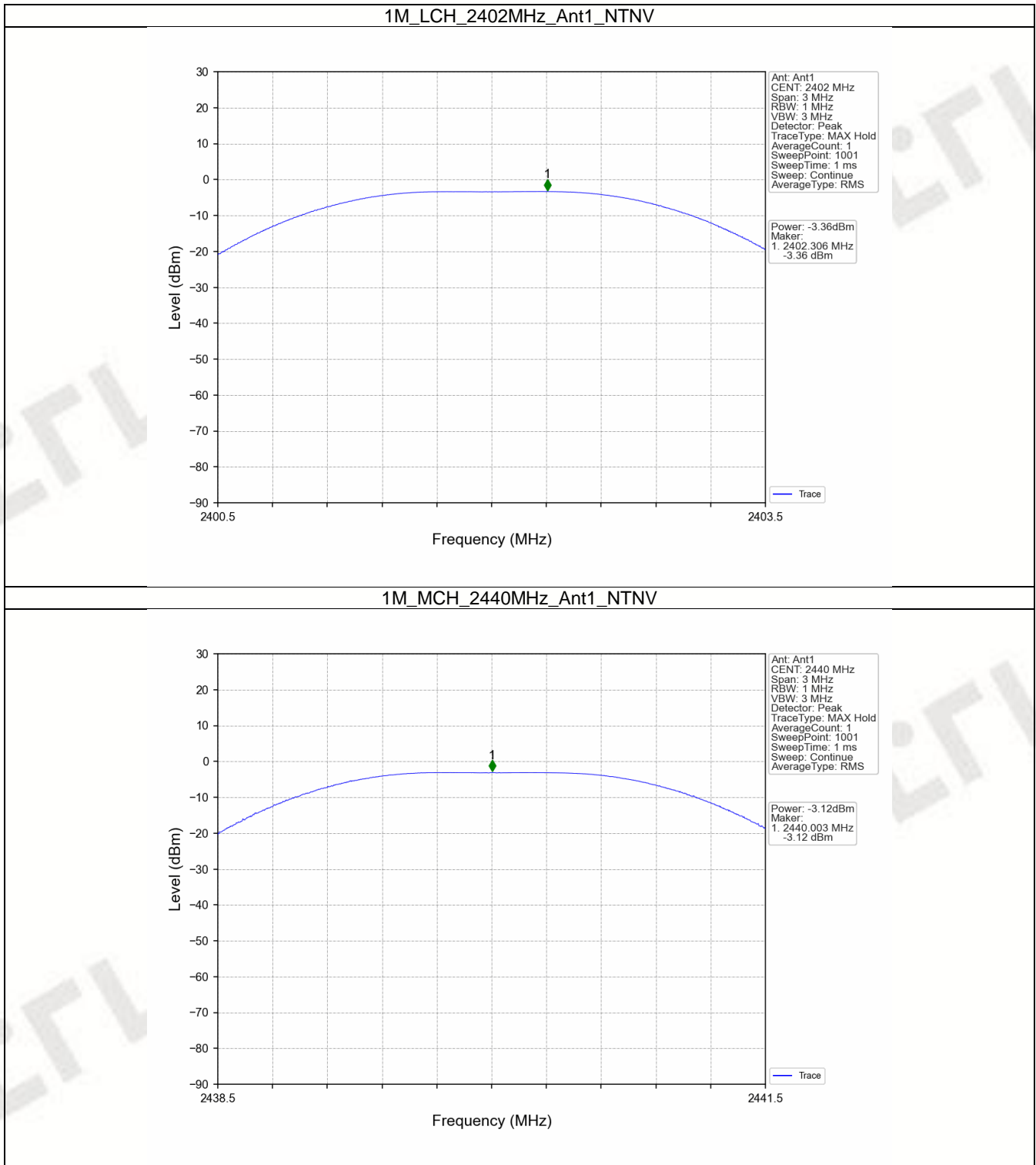
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-3.36	<=30	Pass
		2440	-3.12	<=30	Pass
		2480	-3.74	<=30	Pass
2M	SISO	2402	-3.31	<=30	Pass
		2440	-3.06	<=30	Pass
		2480	-3.65	<=30	Pass

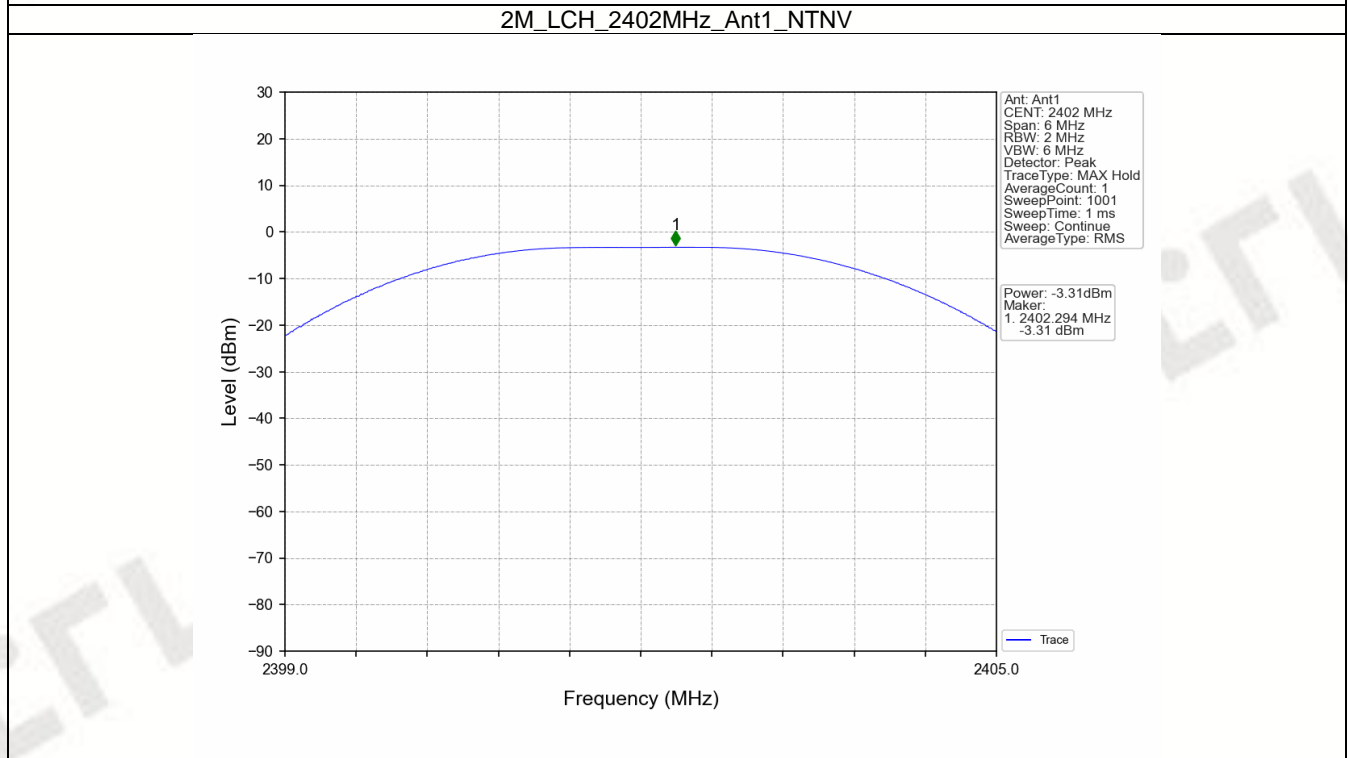
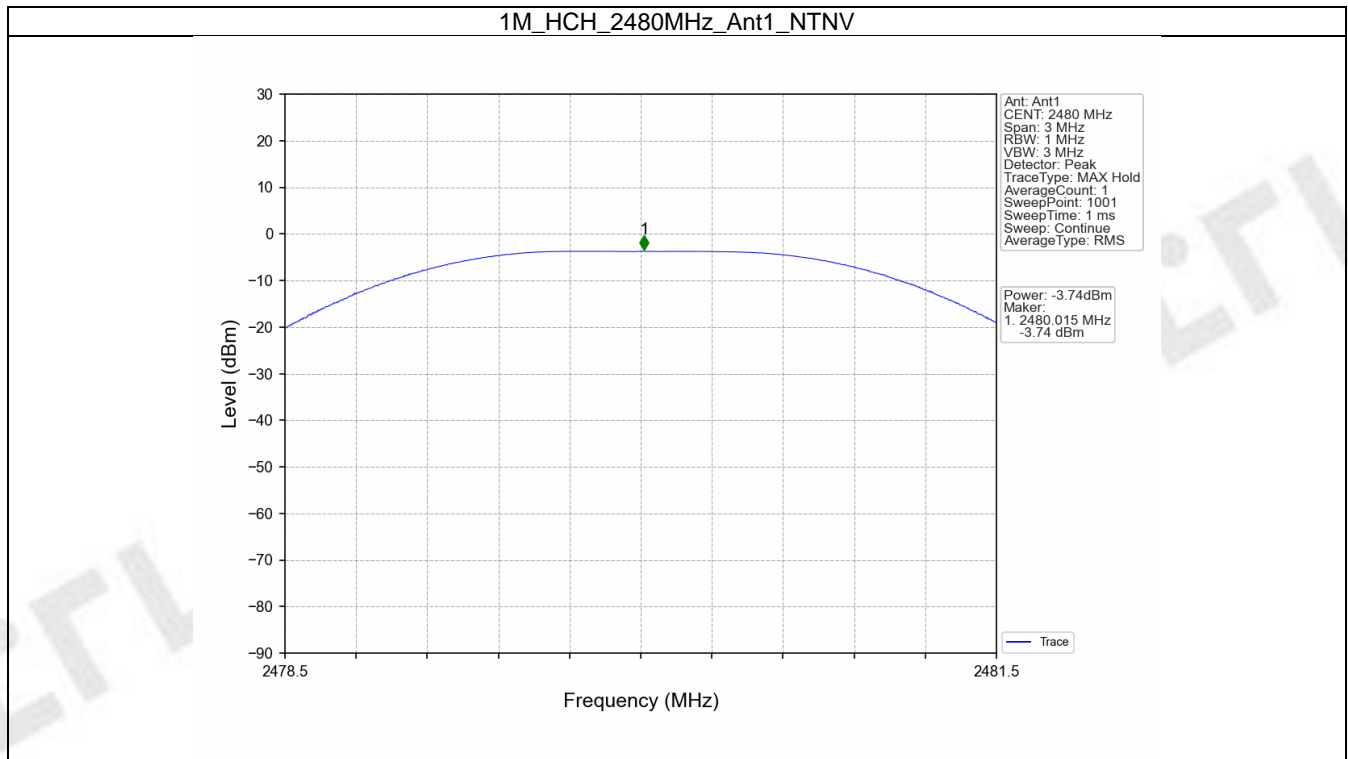
Note1: Antenna Gain: Ant1: -0.58dBi;

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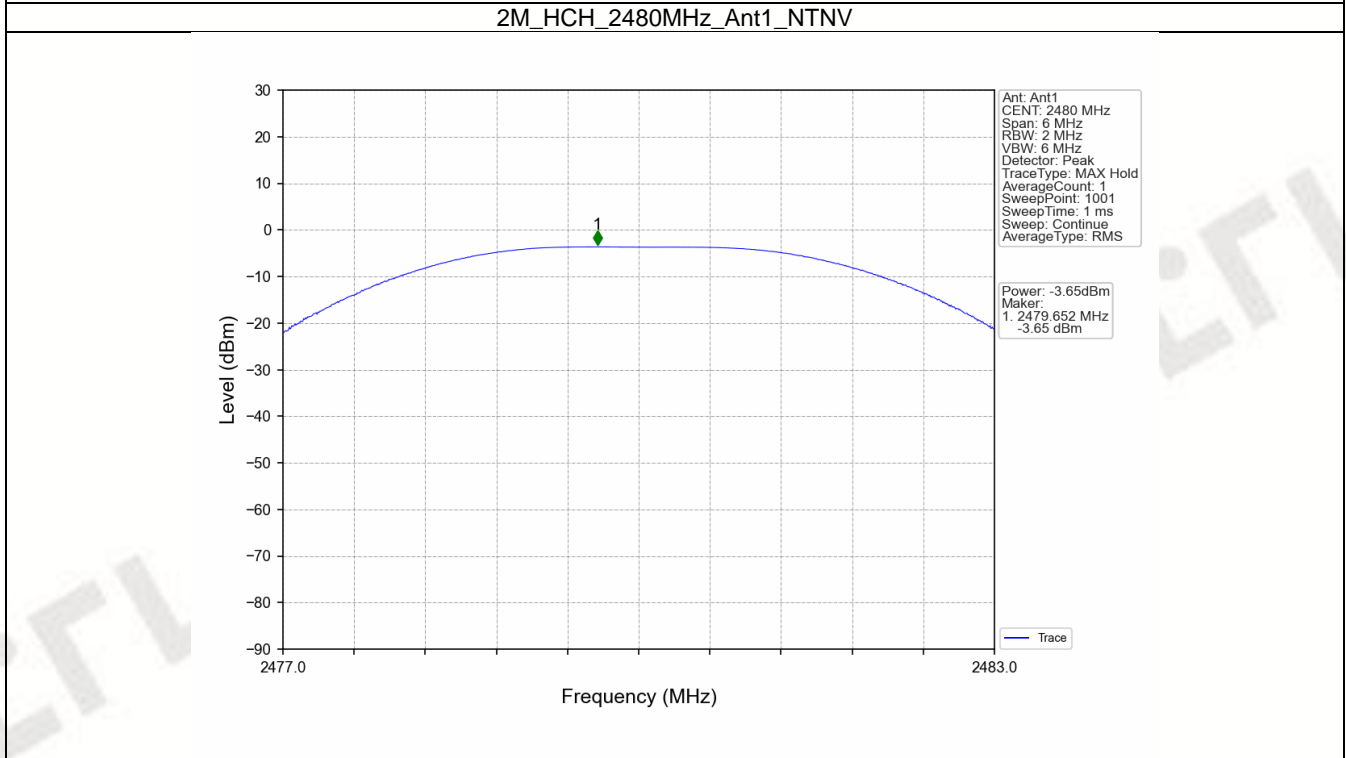
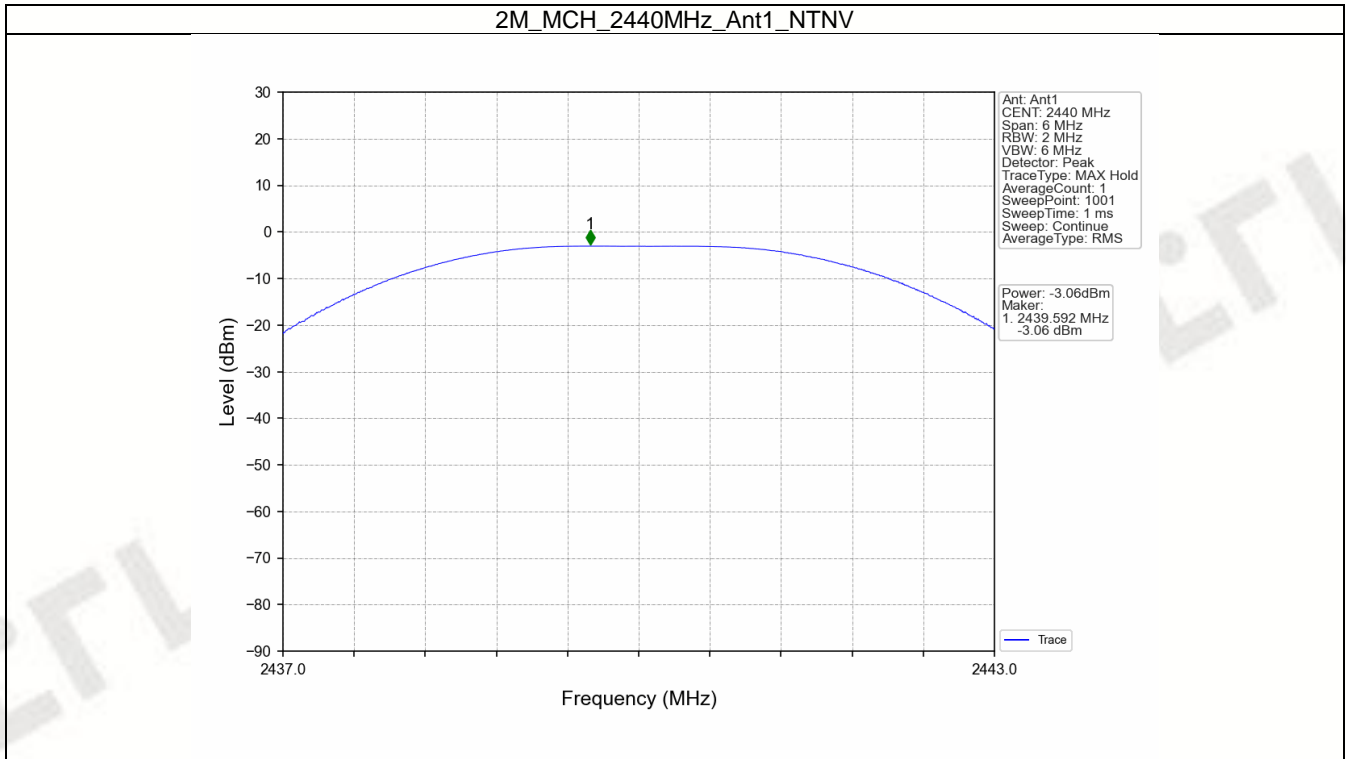
2.1.2 Test Graph



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3. Maximum Power Spectral Density

3.1 PSD

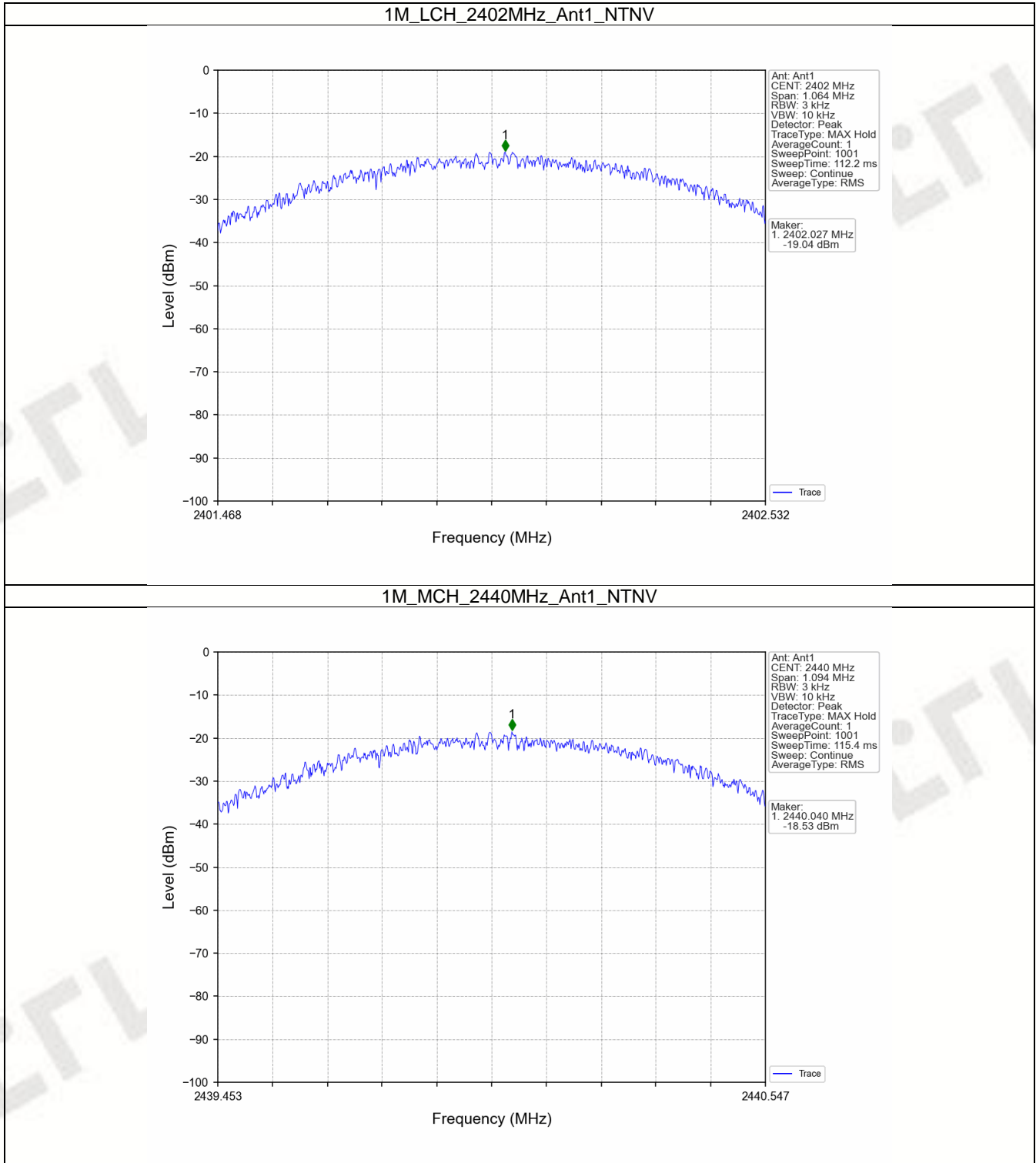
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-19.04	<=8	Pass
		2440	-18.53	<=8	Pass
		2480	-19.08	<=8	Pass
2M	SISO	2402	-22.70	<=8	Pass
		2440	-22.66	<=8	Pass
		2480	-22.60	<=8	Pass

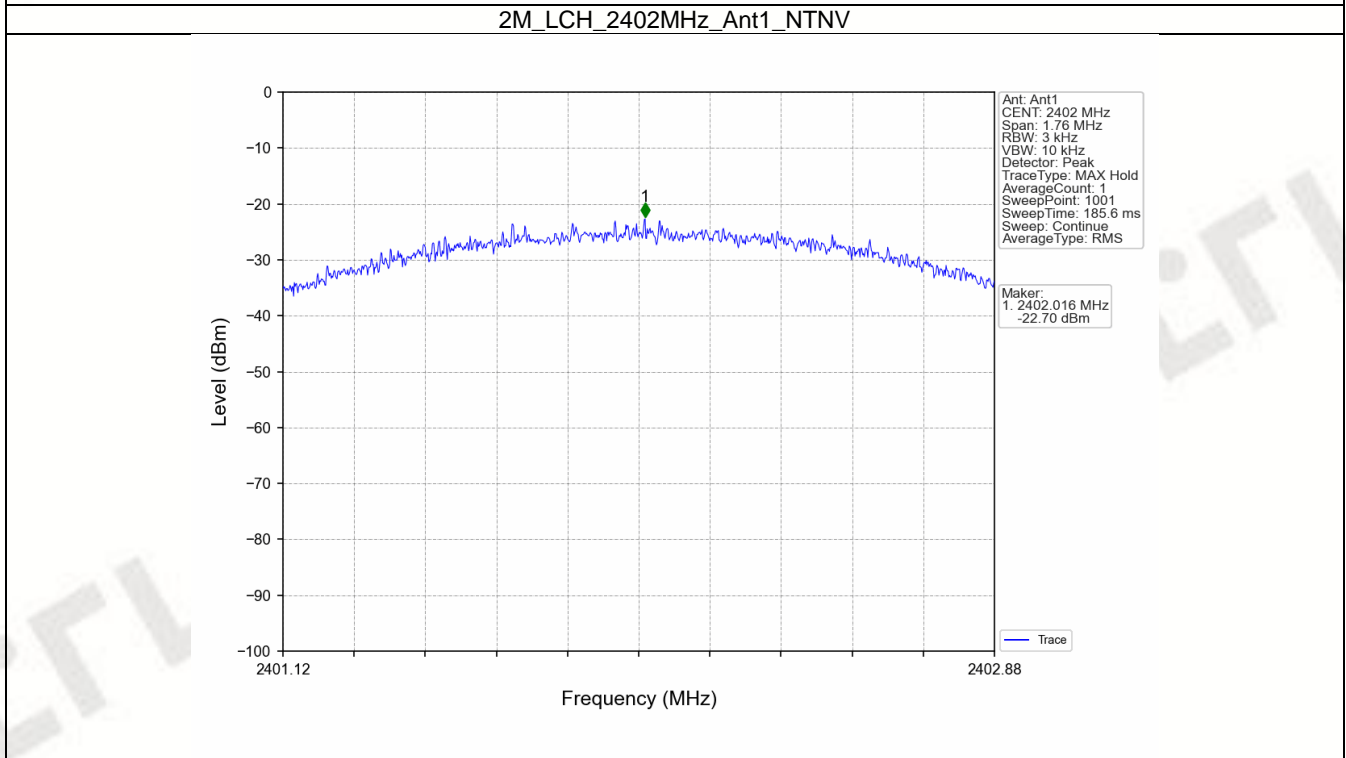
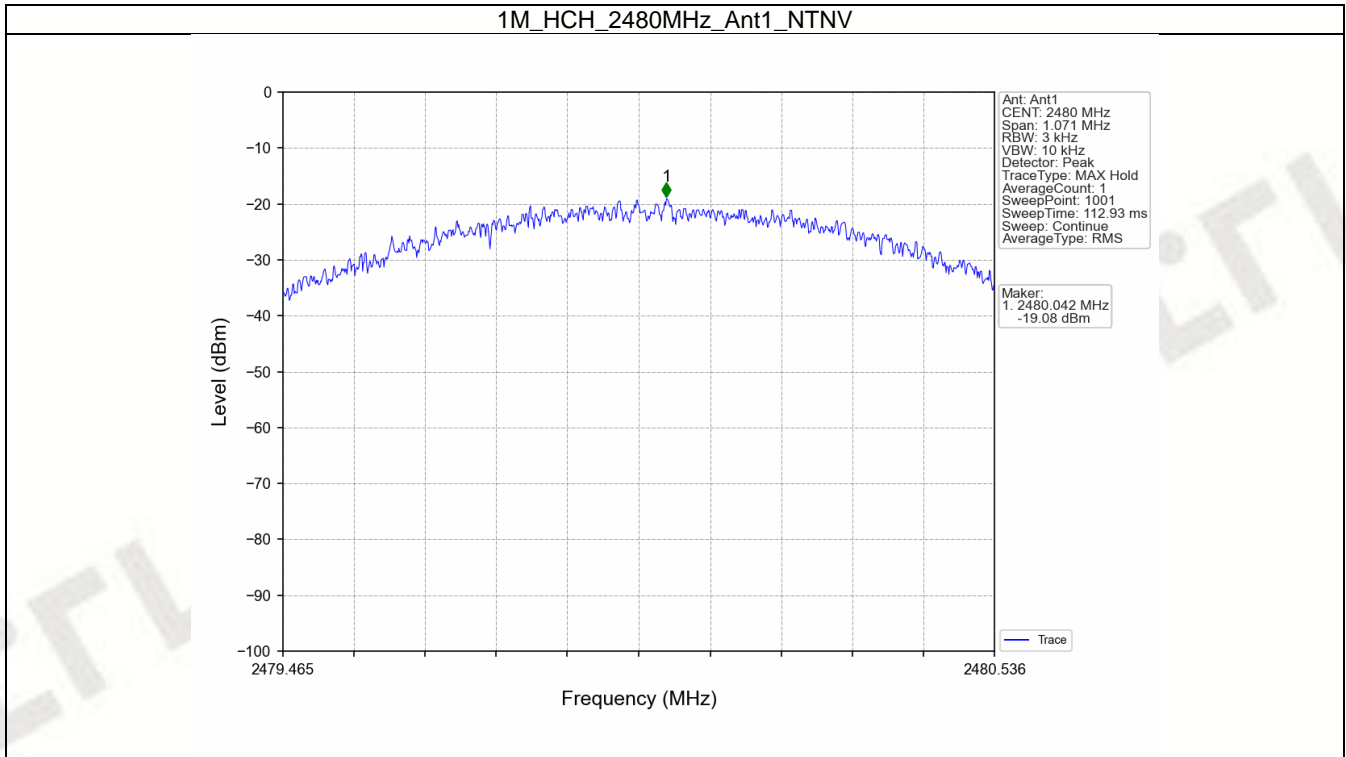
Note1: Antenna Gain: Ant1: -0.58dBi;

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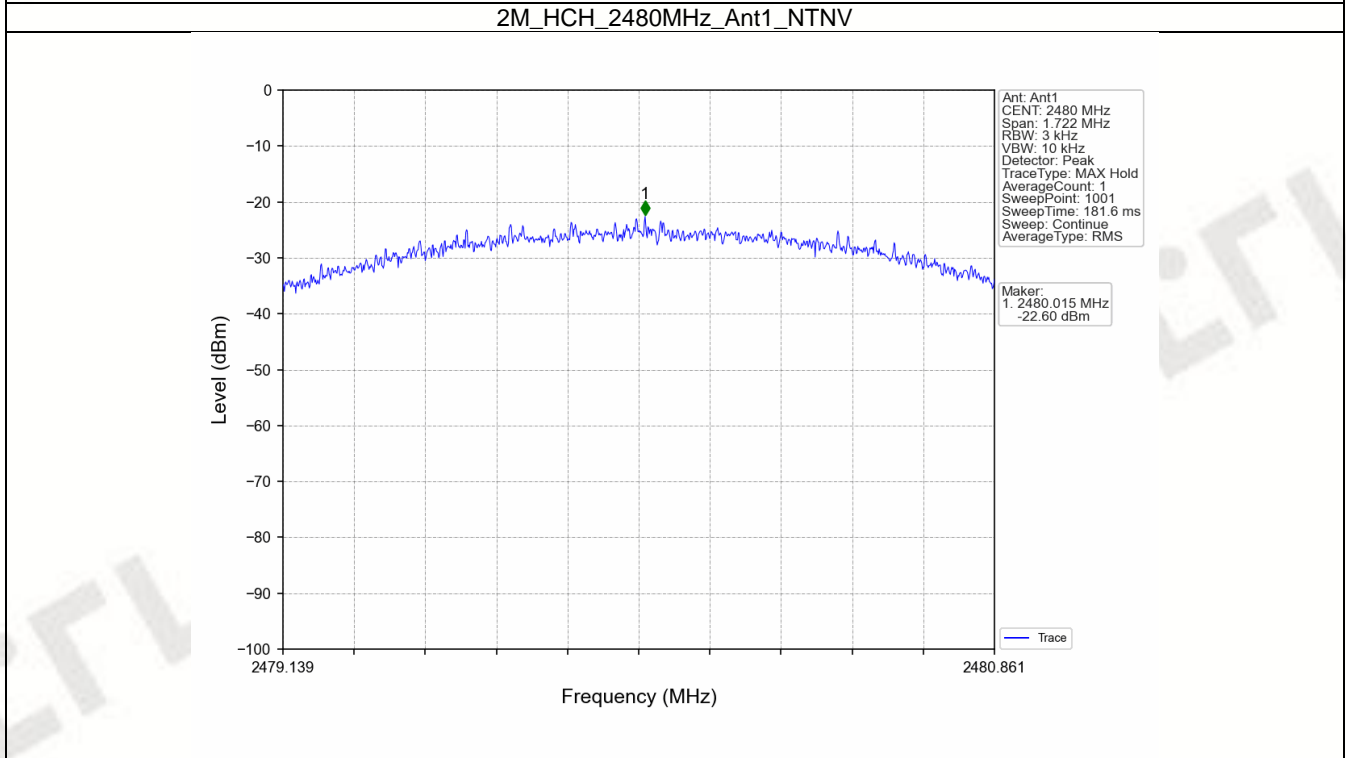
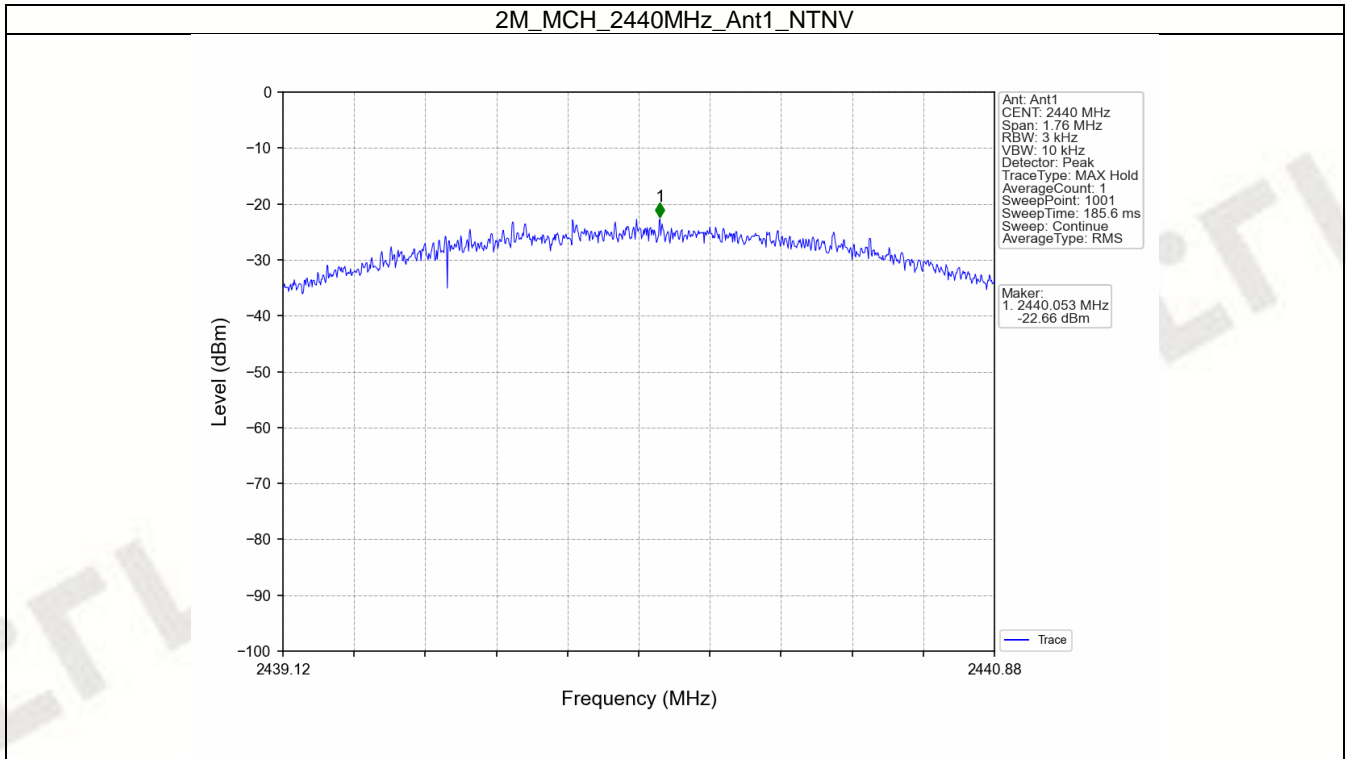
3.1.2 Test Graph



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4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

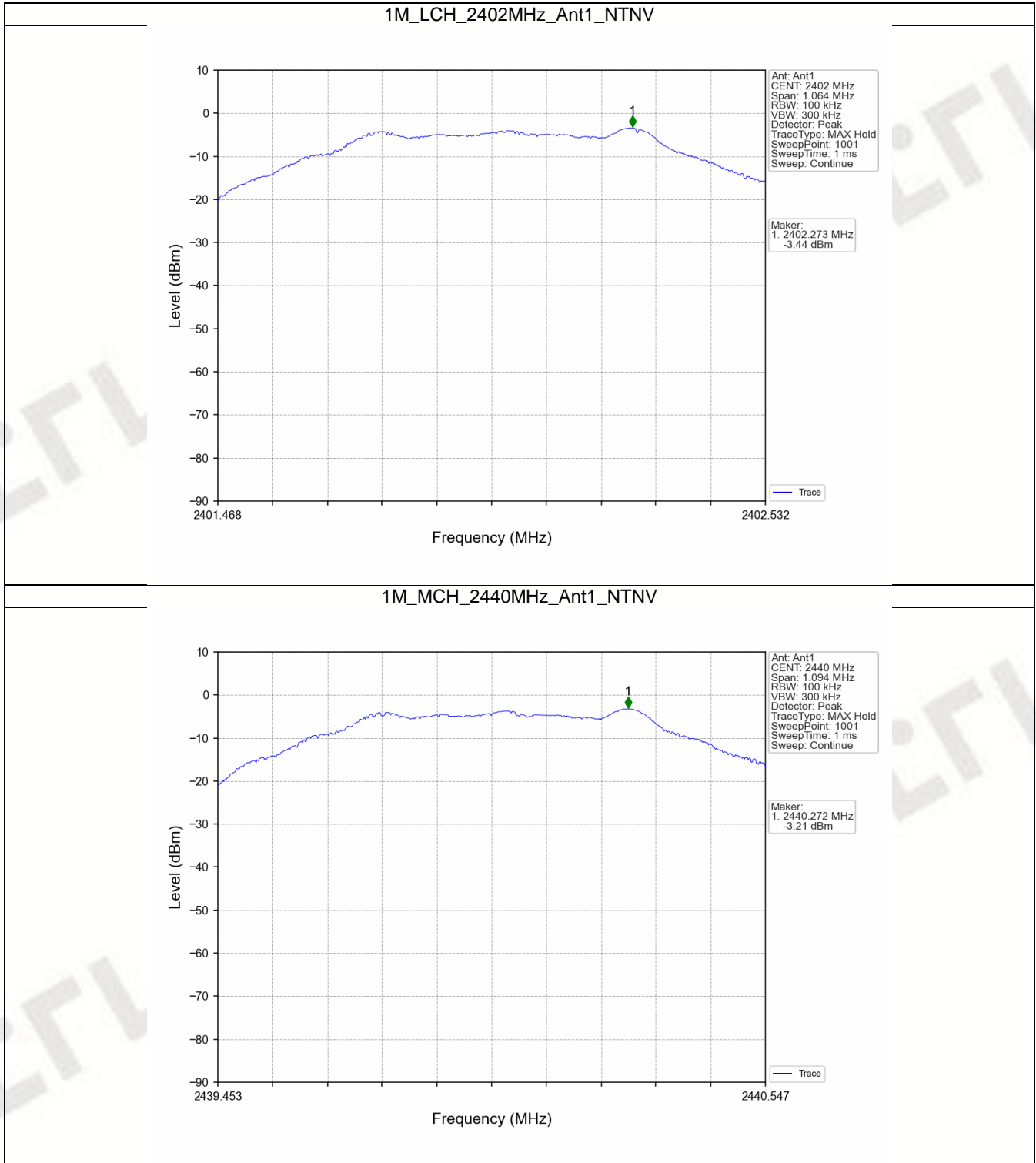
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-3.44
		2440	1	-3.21
		2480	1	-3.87
2M	SISO	2402	1	-4.12
		2440	1	-3.76
		2480	1	-4.47

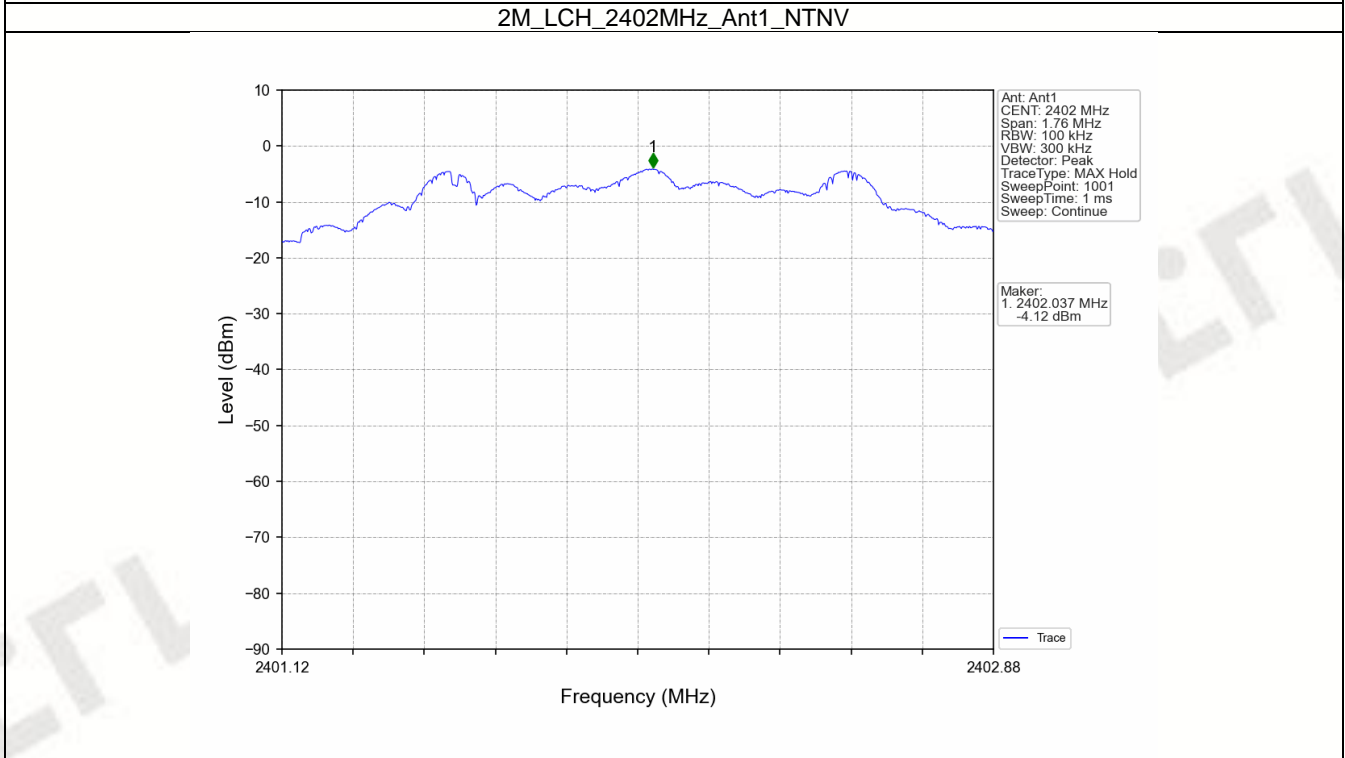
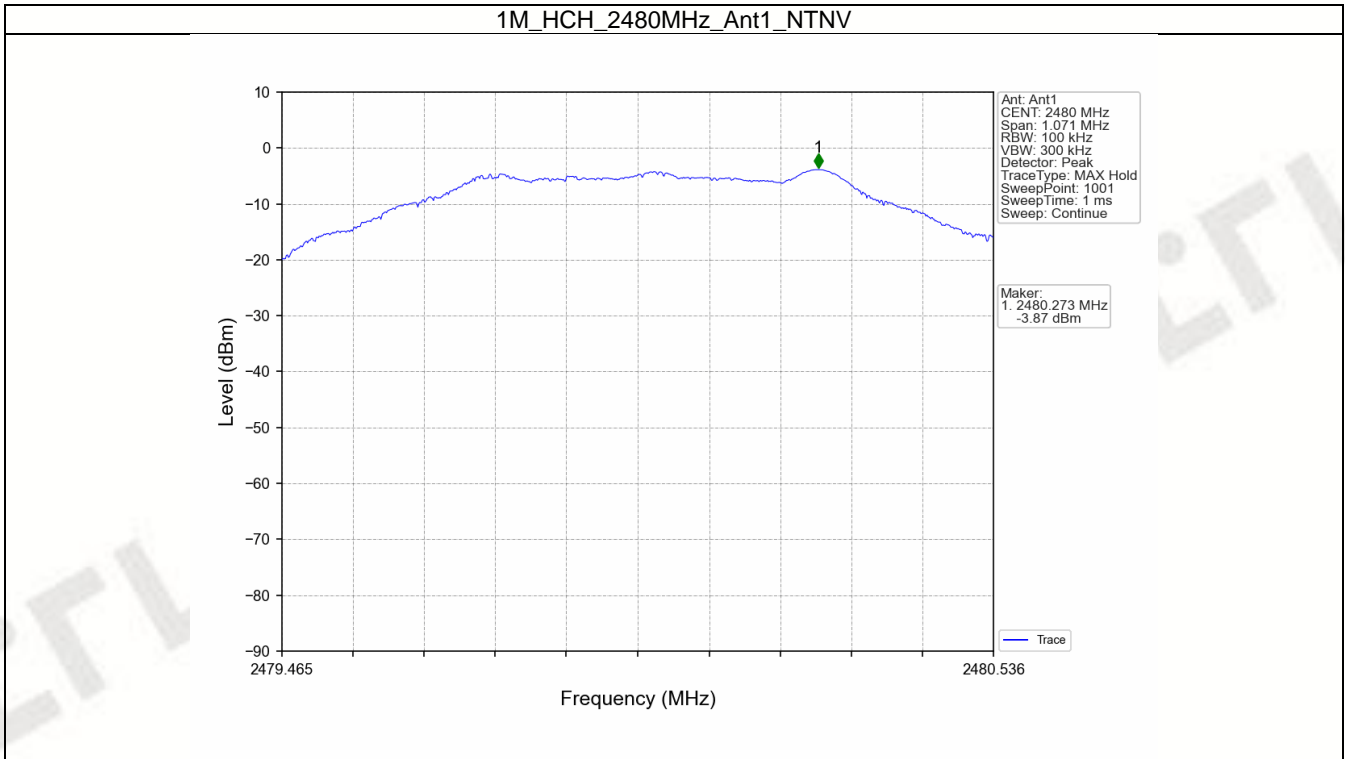
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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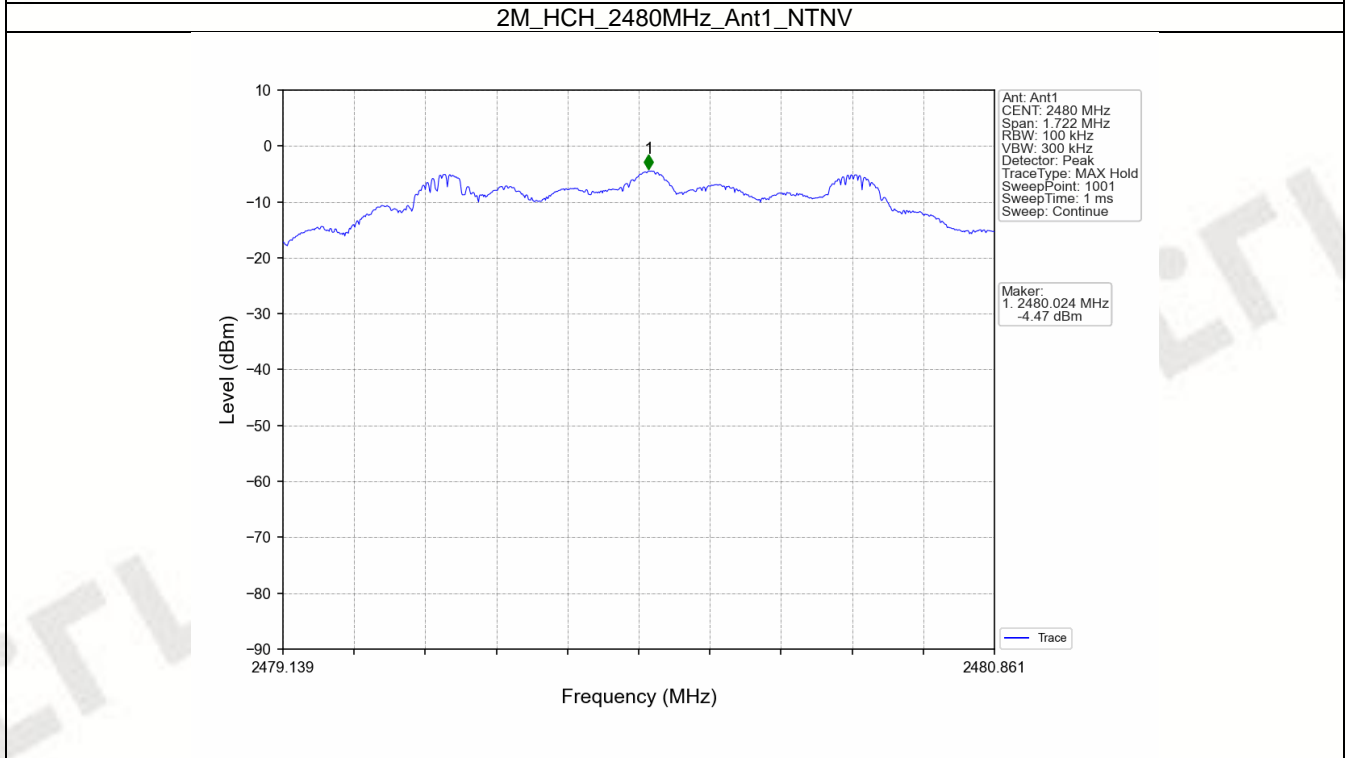
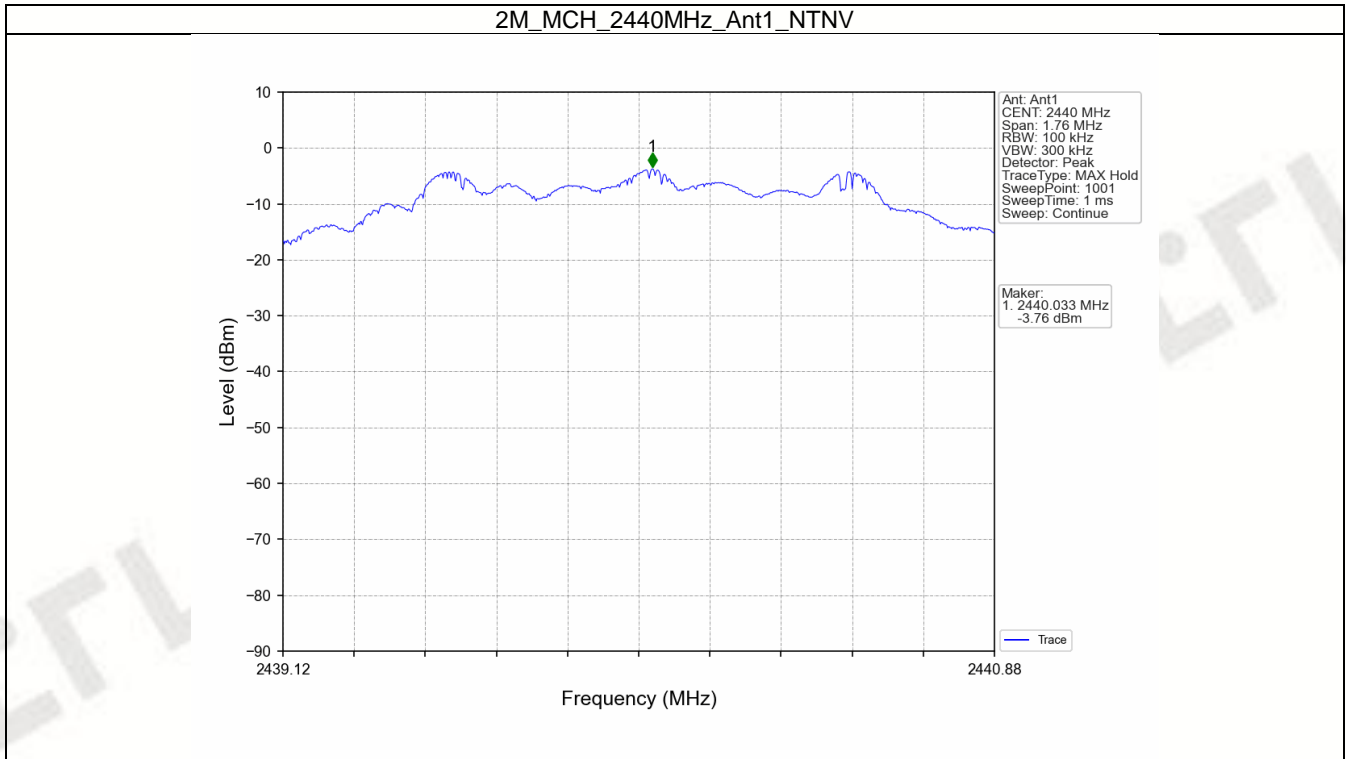
4.1.2 Test Graph



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4.2 CSE

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-3.21	-23.21	Pass
		2440	1	-3.21	-23.21	Pass
		2480	1	-3.21	-23.21	Pass
2M	SISO	2402	1	-3.76	-23.76	Pass
		2440	1	-3.76	-23.76	Pass
		2480	1	-3.76	-23.76	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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4.2.2 Test Graph

