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Annex for BLE

Test Report No.: CTL2404193051-WF

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FCCID: 2ATCD-CFS-9002BT

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4.2.1 Test Result	18

FCCID: 2ATCD-CFS-9002BT

1. Bandwidth

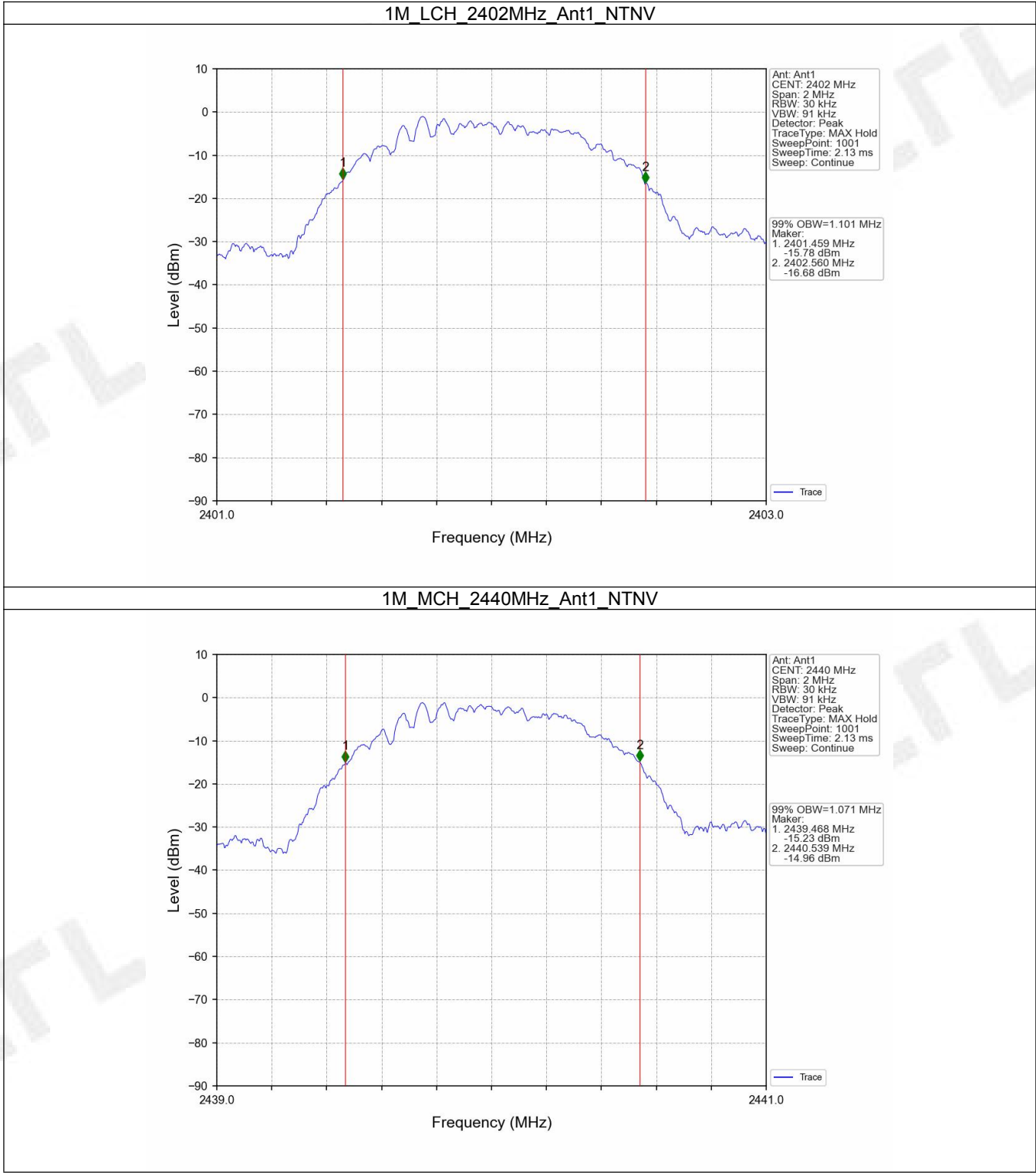
1.1 OBW

1.1.1 Test Result

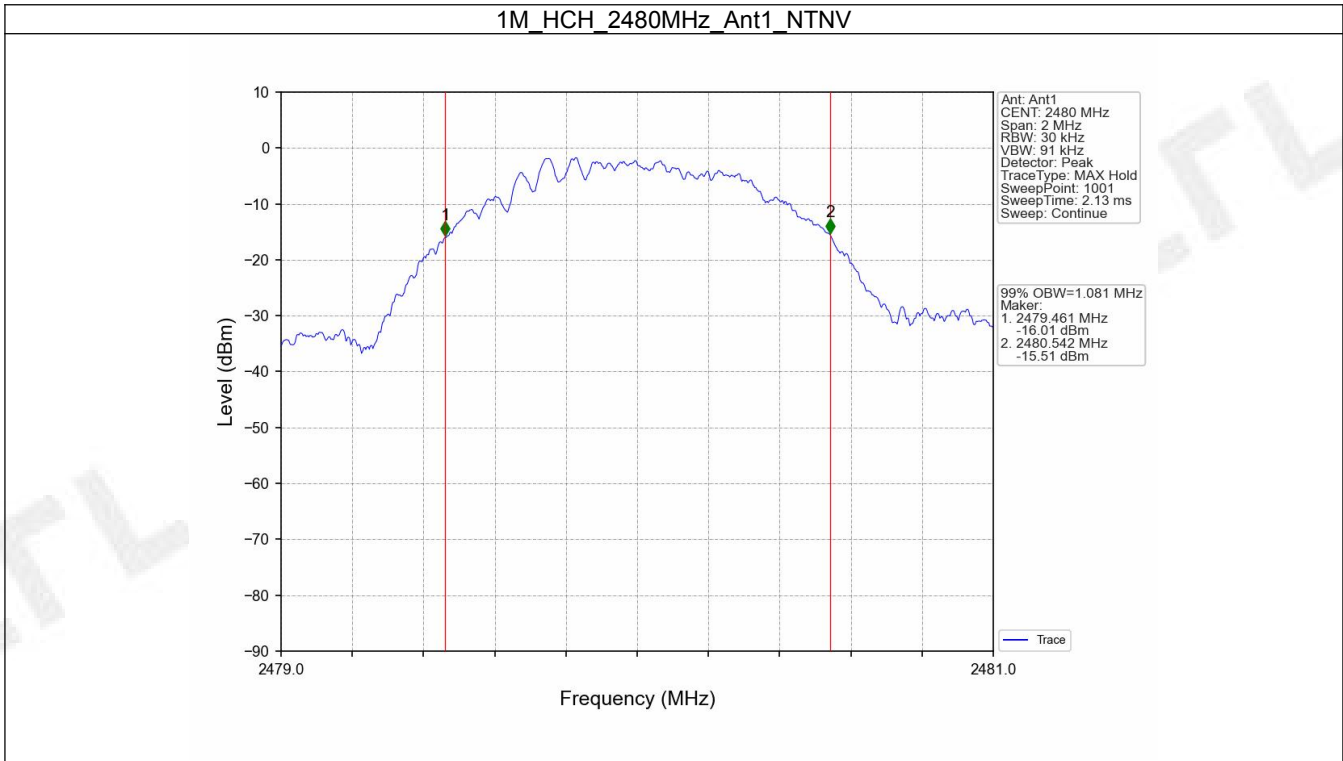
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.101	/	Pass
		2440	1	1.071	/	Pass
		2480	1	1.081	/	Pass

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1.1.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



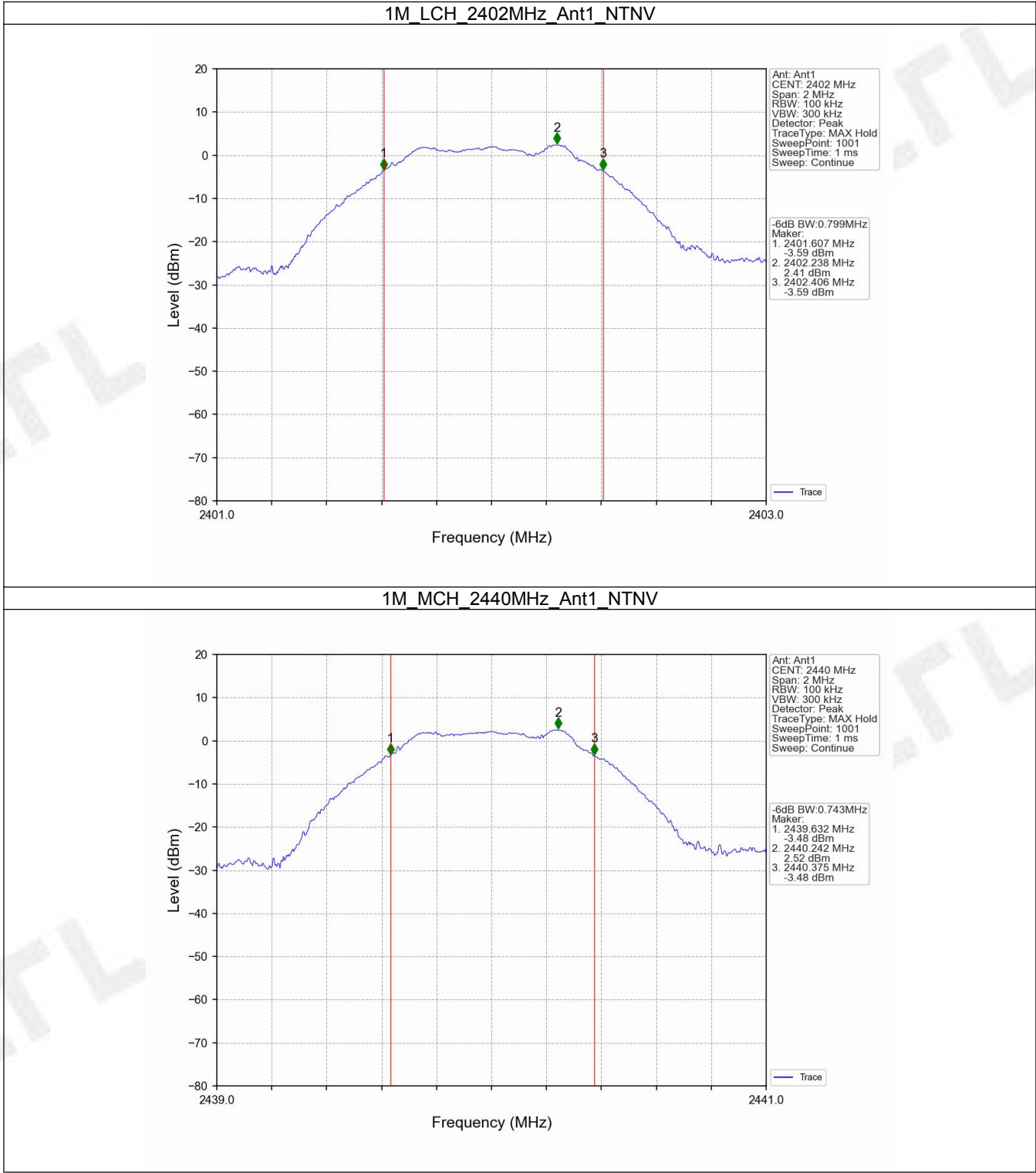
FCCID: 2ATCD-CFS-9002BT

1.2 6dB BW**1.2.1 Test Result**

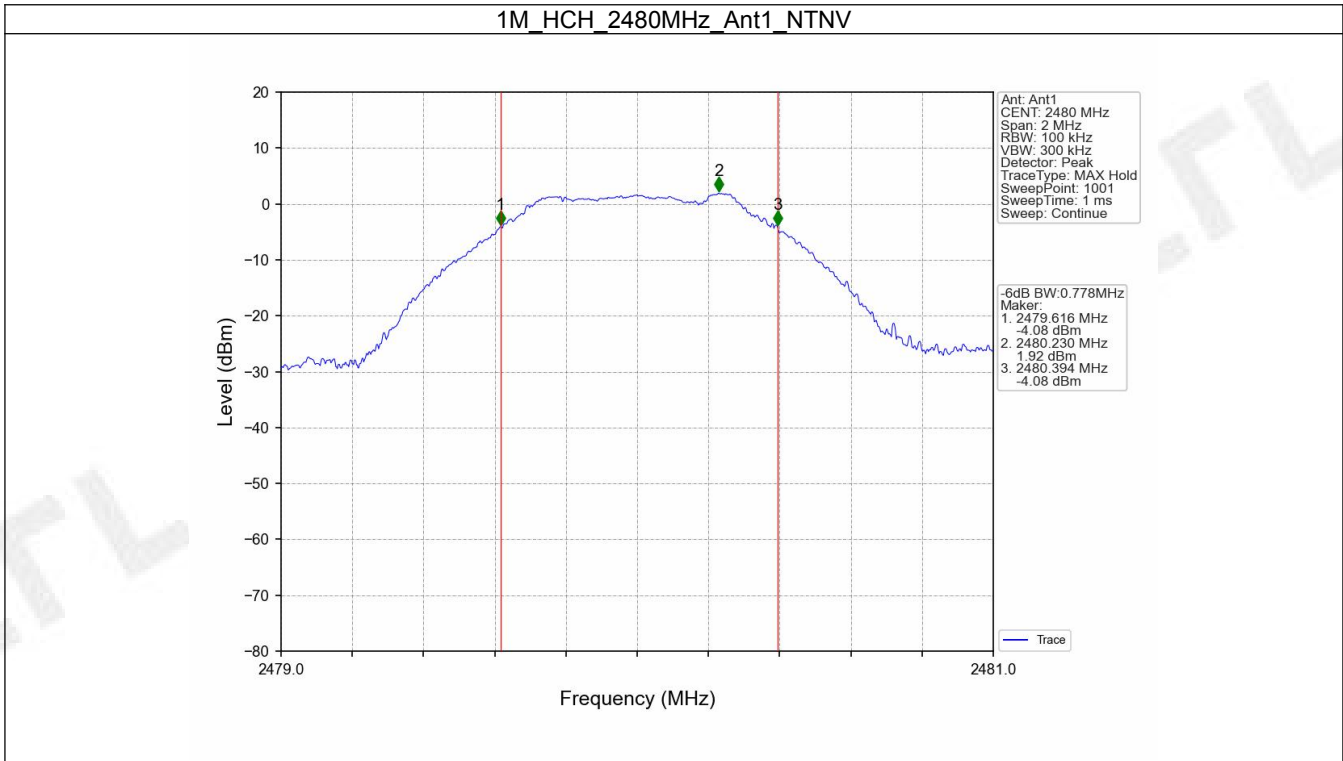
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.799	≥ 0.5	Pass
		2440	1	0.743	≥ 0.5	Pass
		2480	1	0.778	≥ 0.5	Pass

FCCID: 2ATCD-CFS-9002BT

1.2.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



FCCID: 2ATCD-CFS-9002BT

2. Maximum Conducted Output Power

2.1 Power

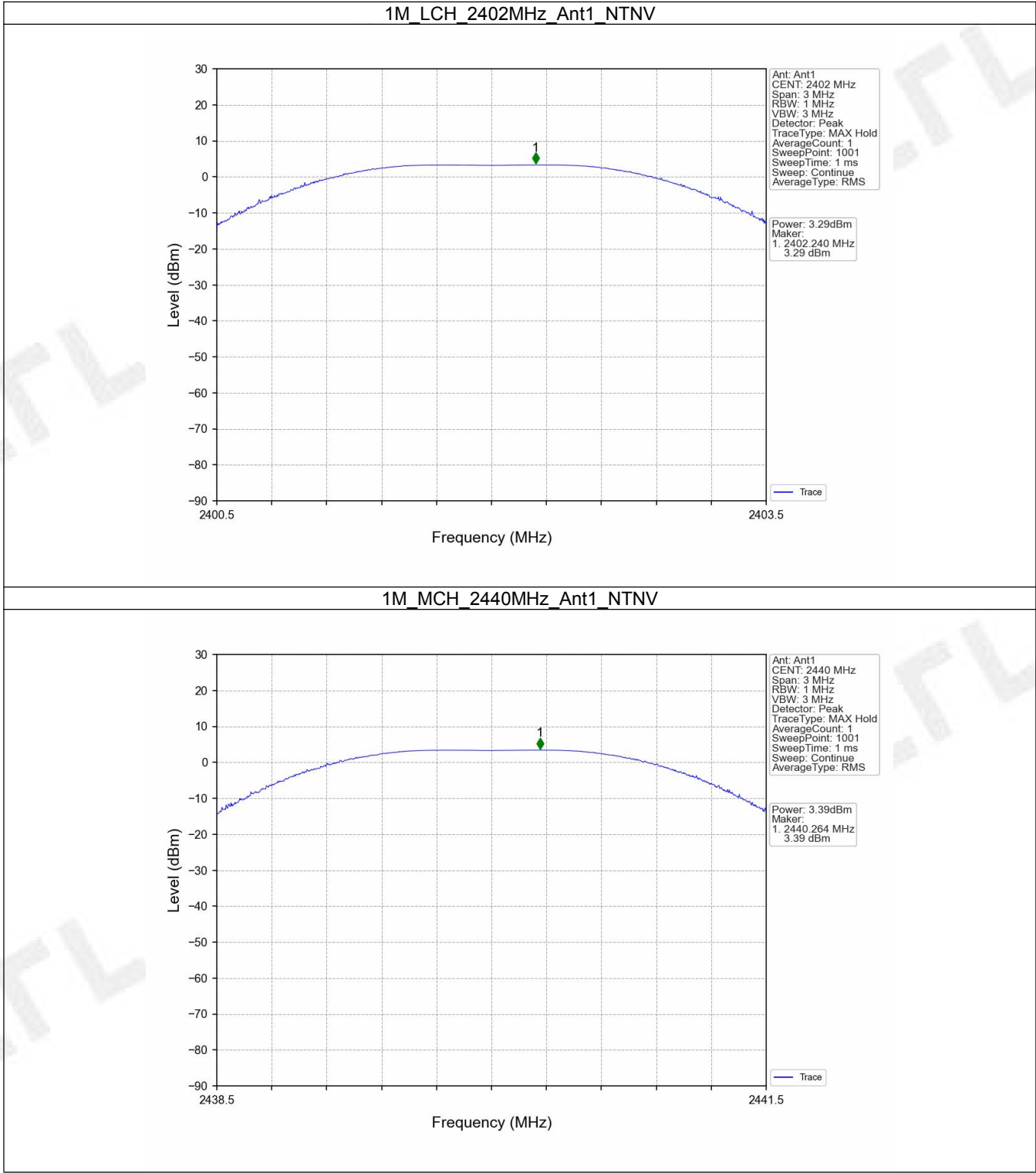
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.29	<=30	Pass
		2440	3.39	<=30	Pass
		2480	2.78	<=30	Pass

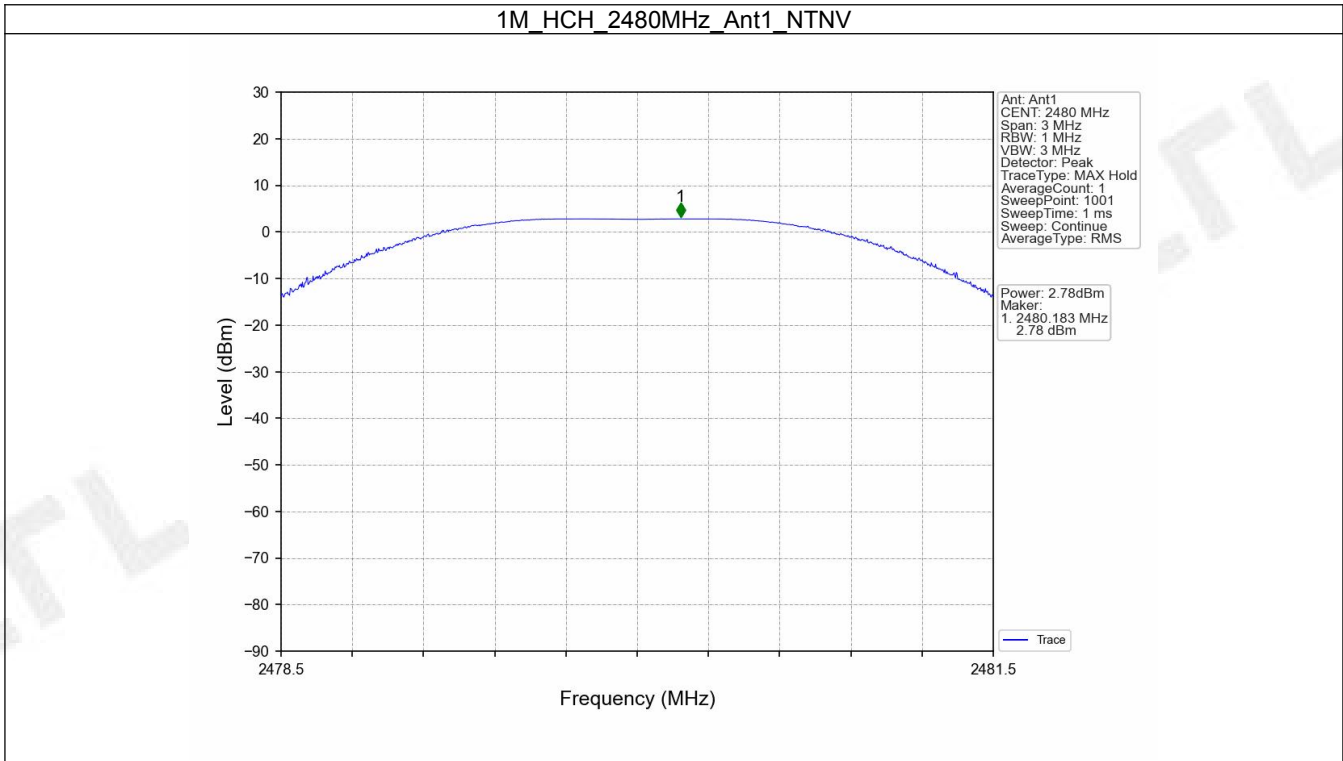
Note1: Antenna Gain: Ant1: -2.31dBi;

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2.1.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



FCCID: 2ATCD-CFS-9002BT

3. Maximum Power Spectral Density

3.1 PSD

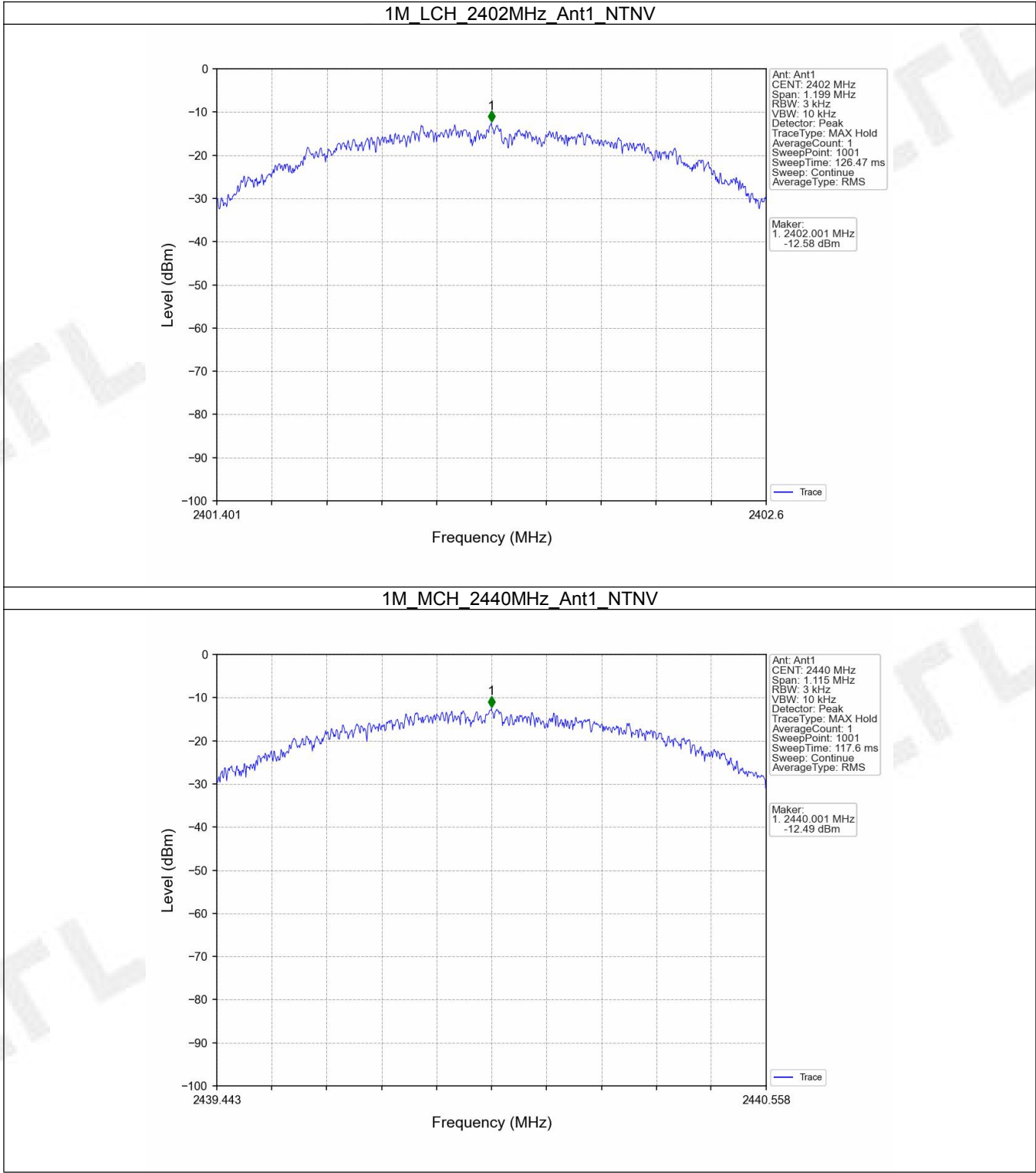
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-12.58	<=8	Pass
		2440	-12.49	<=8	Pass
		2480	-12.54	<=8	Pass

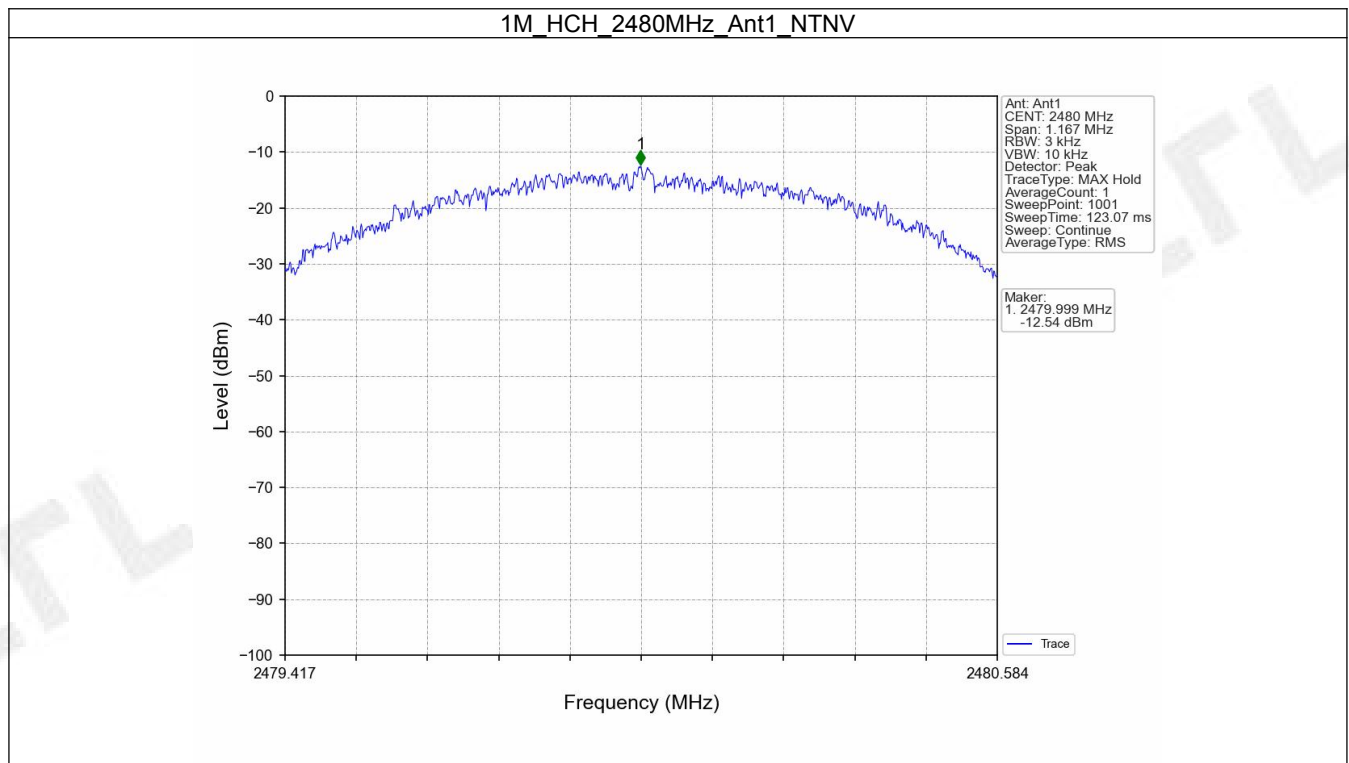
Note1: Antenna Gain: Ant1: -2.31dBi;

FCCID: 2ATCD-CFS-9002BT

3.1.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



FCCID: 2ATCD-CFS-9002BT

4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

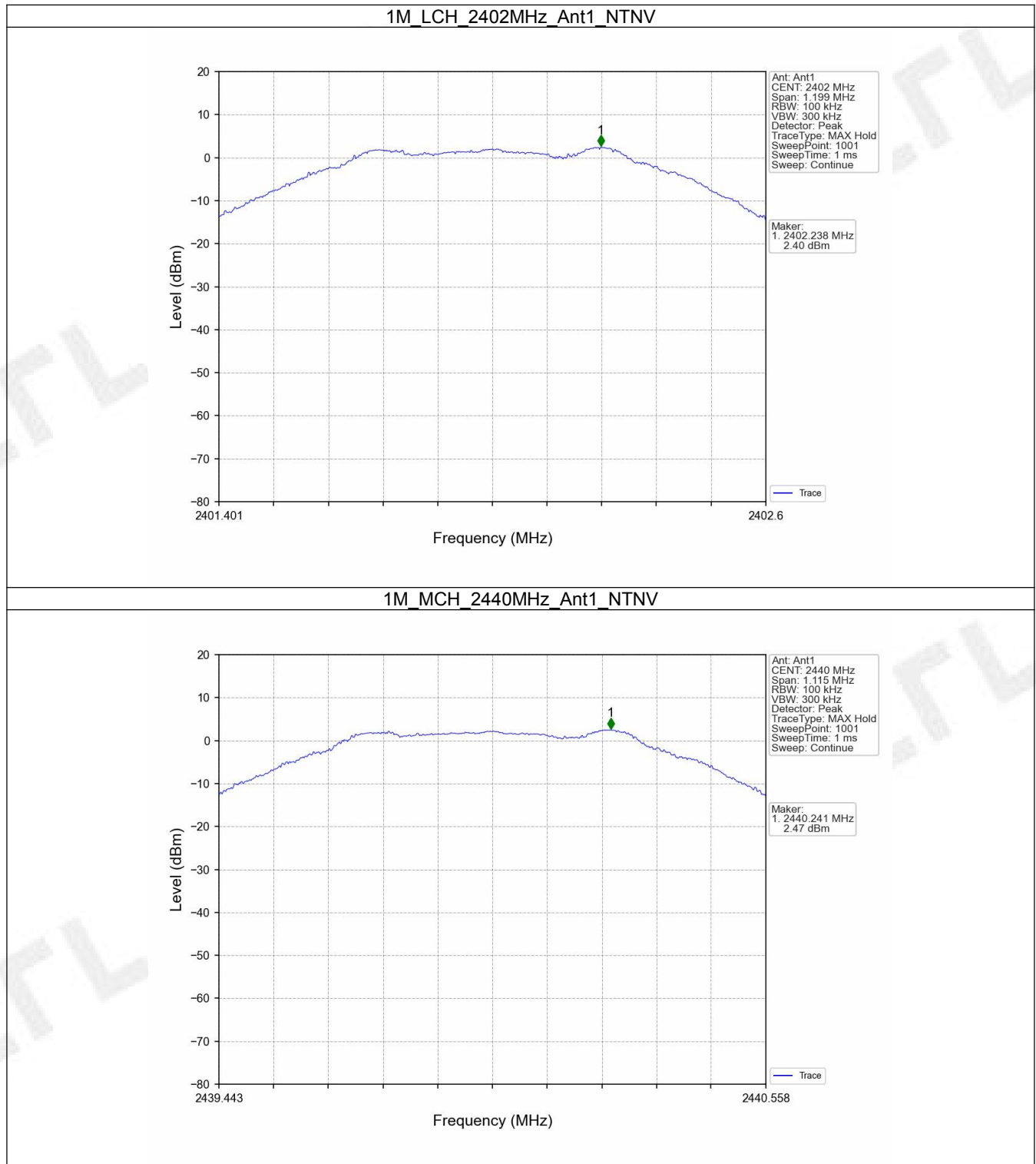
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	2.40
		2440	1	2.47
		2480	1	1.92

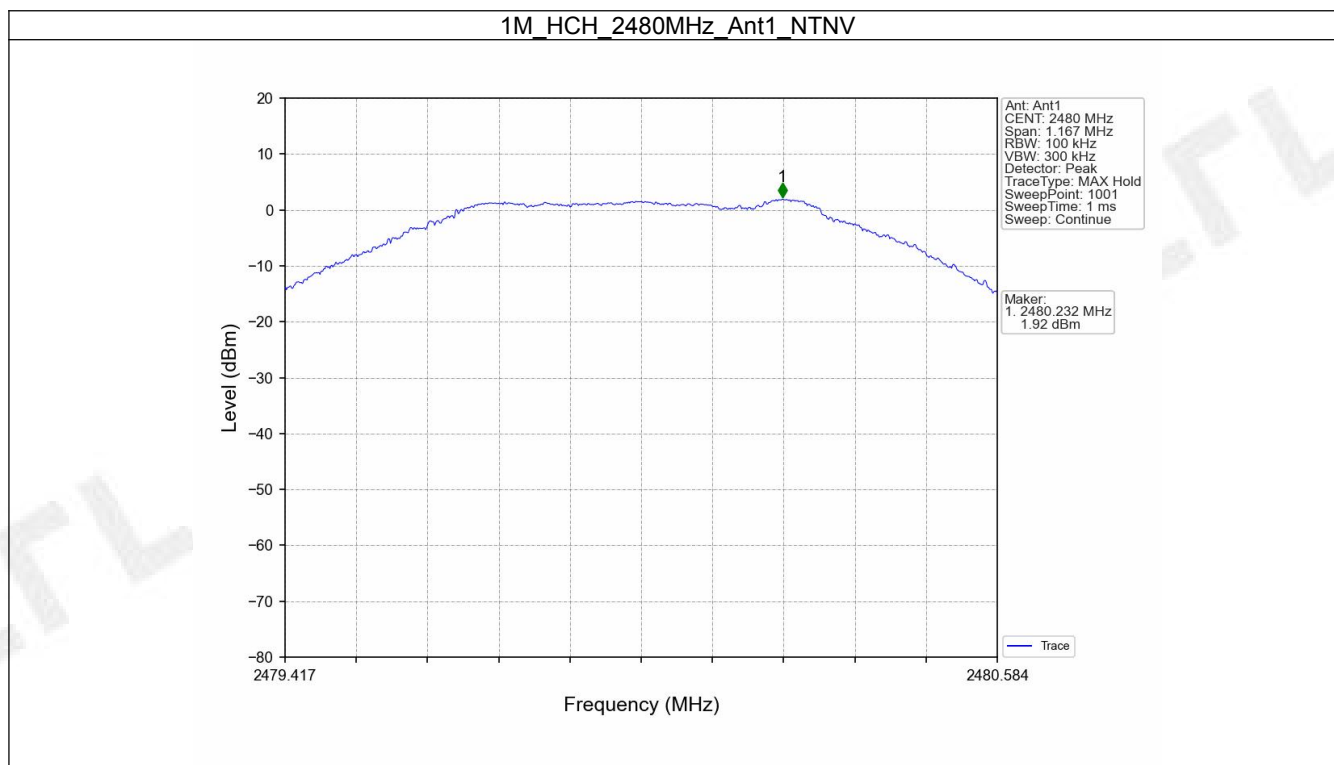
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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4.1.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



FCCID: 2ATCD-CFS-9002BT

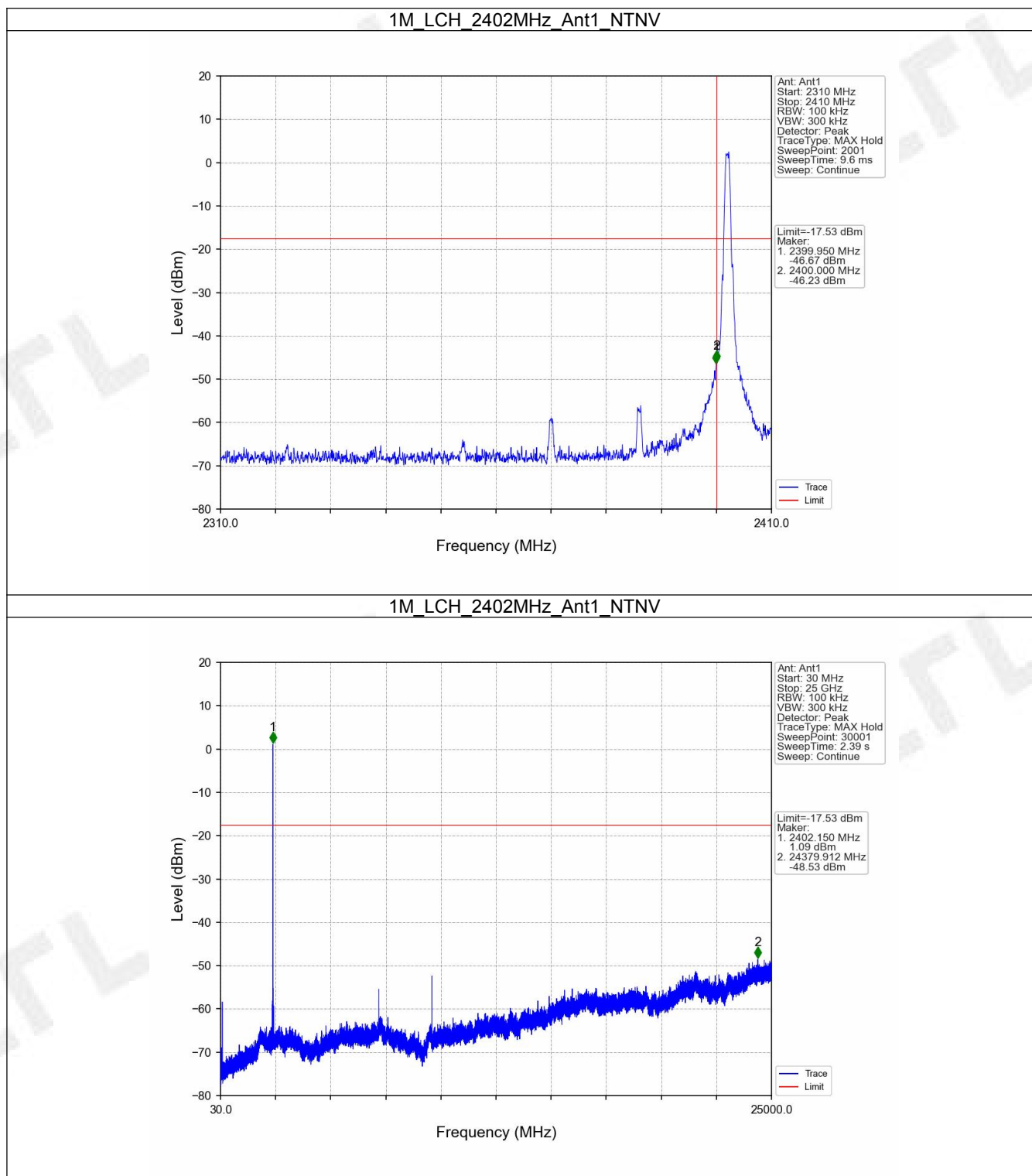
4.2 CSE

4.2.1 Test Result

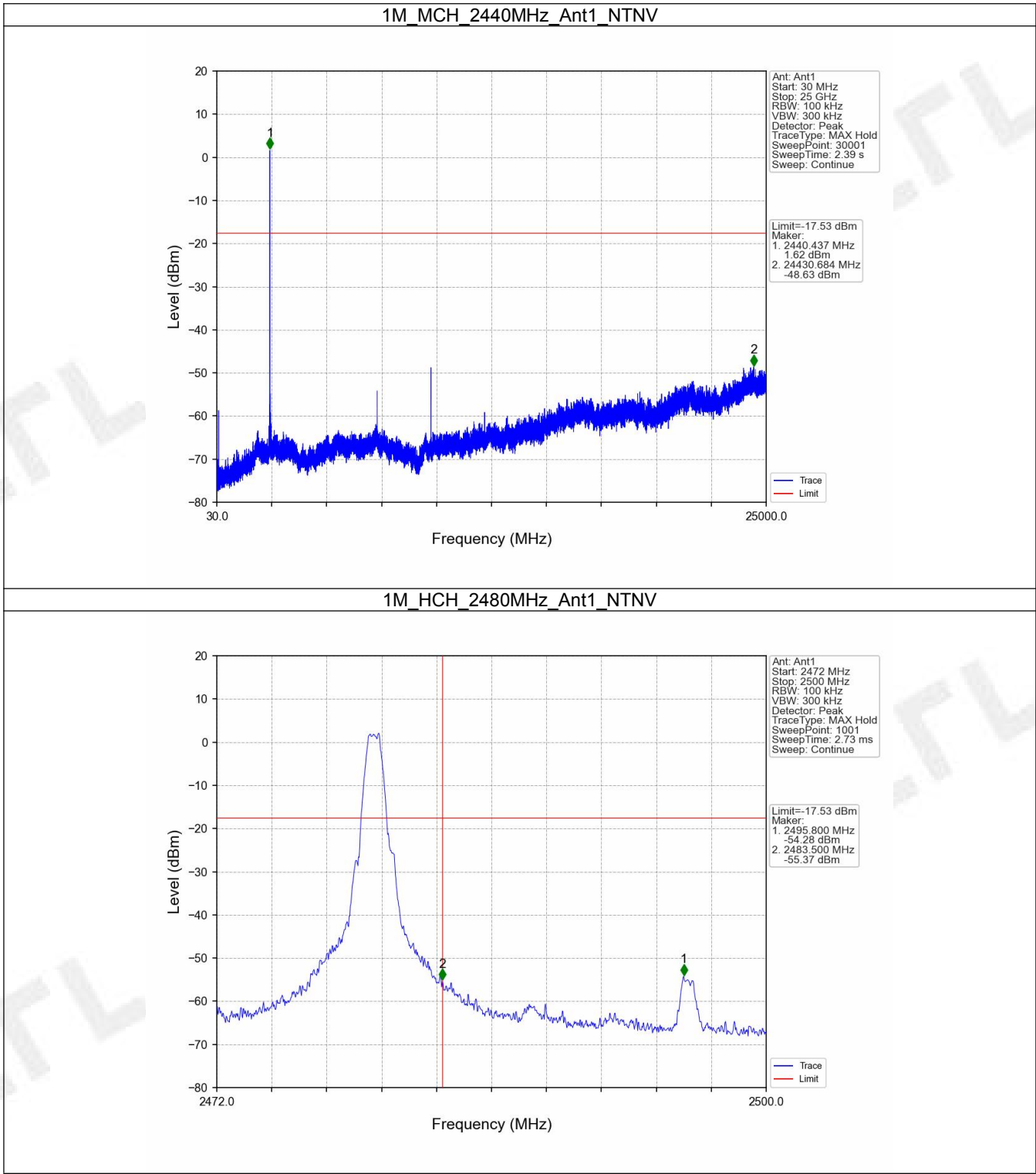
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.47	-17.53	Pass
		2440	1	2.47	-17.53	Pass
		2480	1	2.47	-17.53	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

FCCID: 2ATCD-CFS-9002BT

4.2.2 Test Graph



FCCID: 2ATCD-CFS-9002BT



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