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Annex for Bluetooth Low Energy

Test Report No.: CTL2410233011-WF

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FCCID: 2BTOE-WJR12

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.035	/	Pass
		2440	1	1.079	/	Pass
		2480	1	1.071	/	Pass

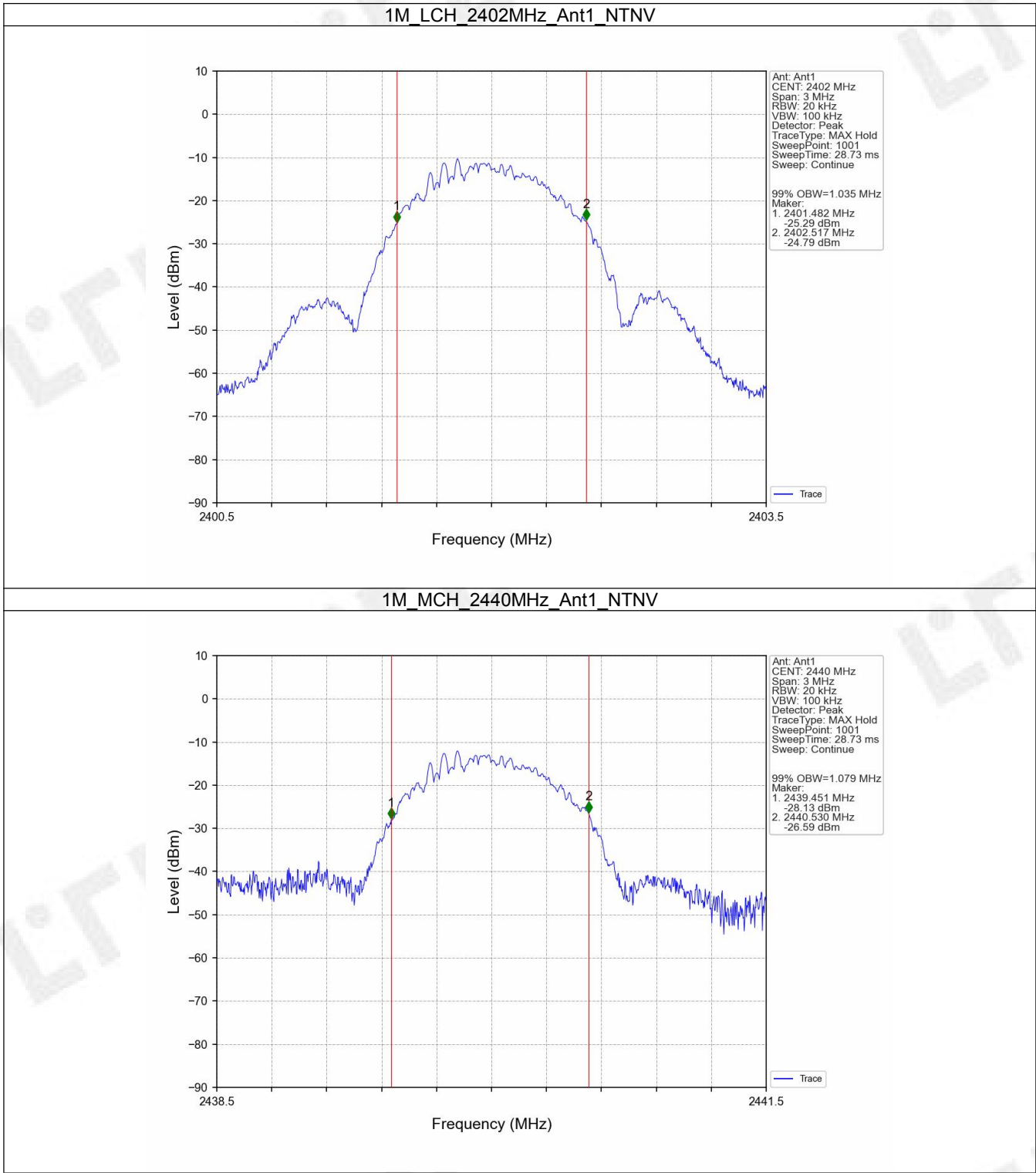
1.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.724	≥ 0.5	Pass
		2440	1	0.738	≥ 0.5	Pass
		2480	1	0.744	≥ 0.5	Pass

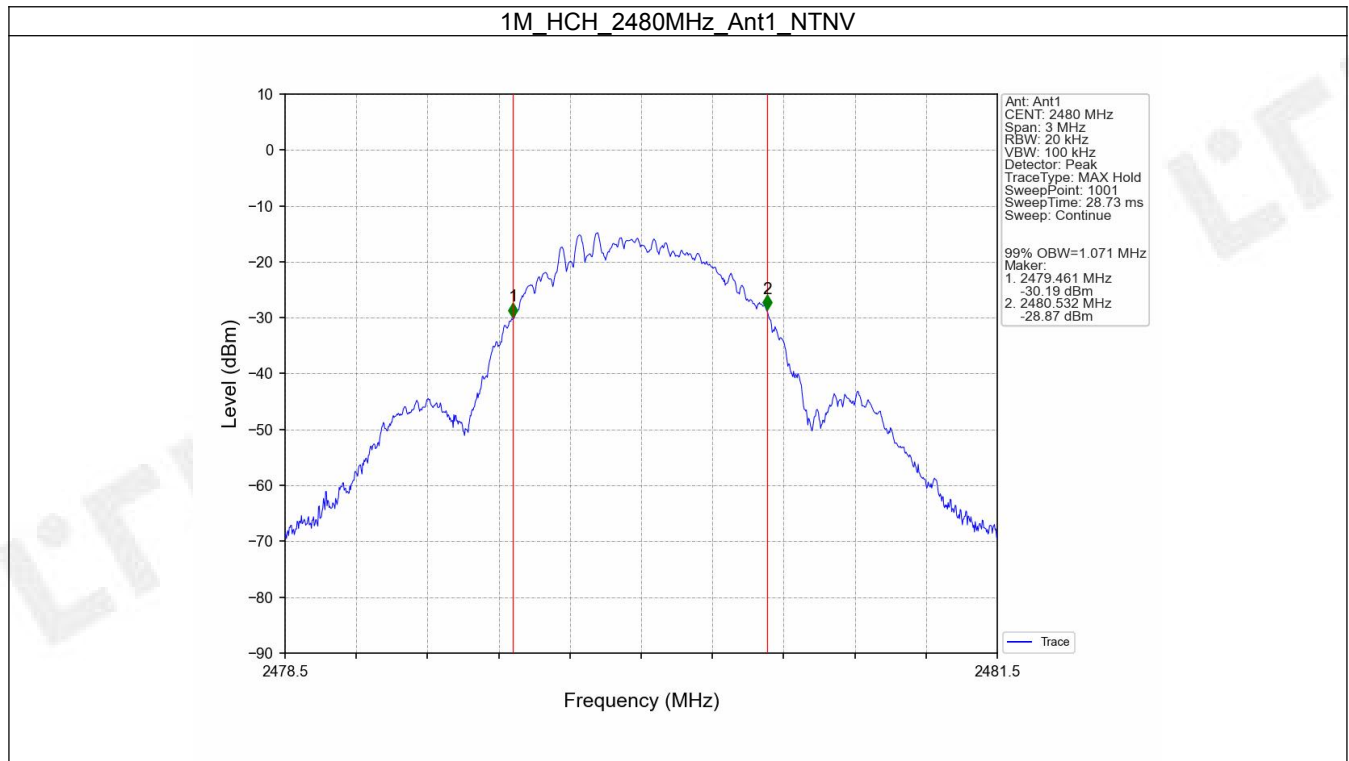
FCCID: 2BTOE-WJR12

1.2 Test Graph

1.2.1 OBW

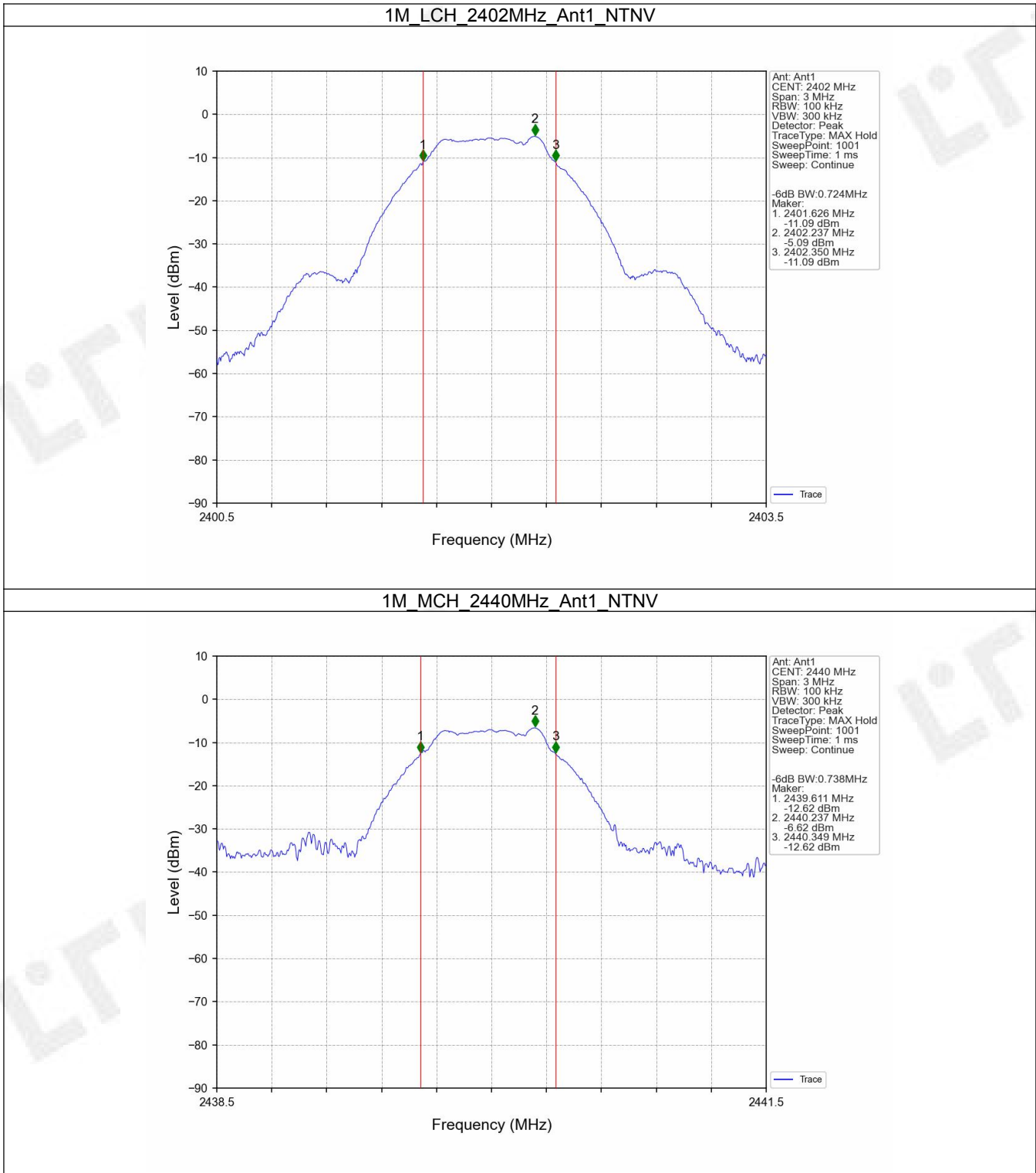


FCCID: 2BTOE-WJR12

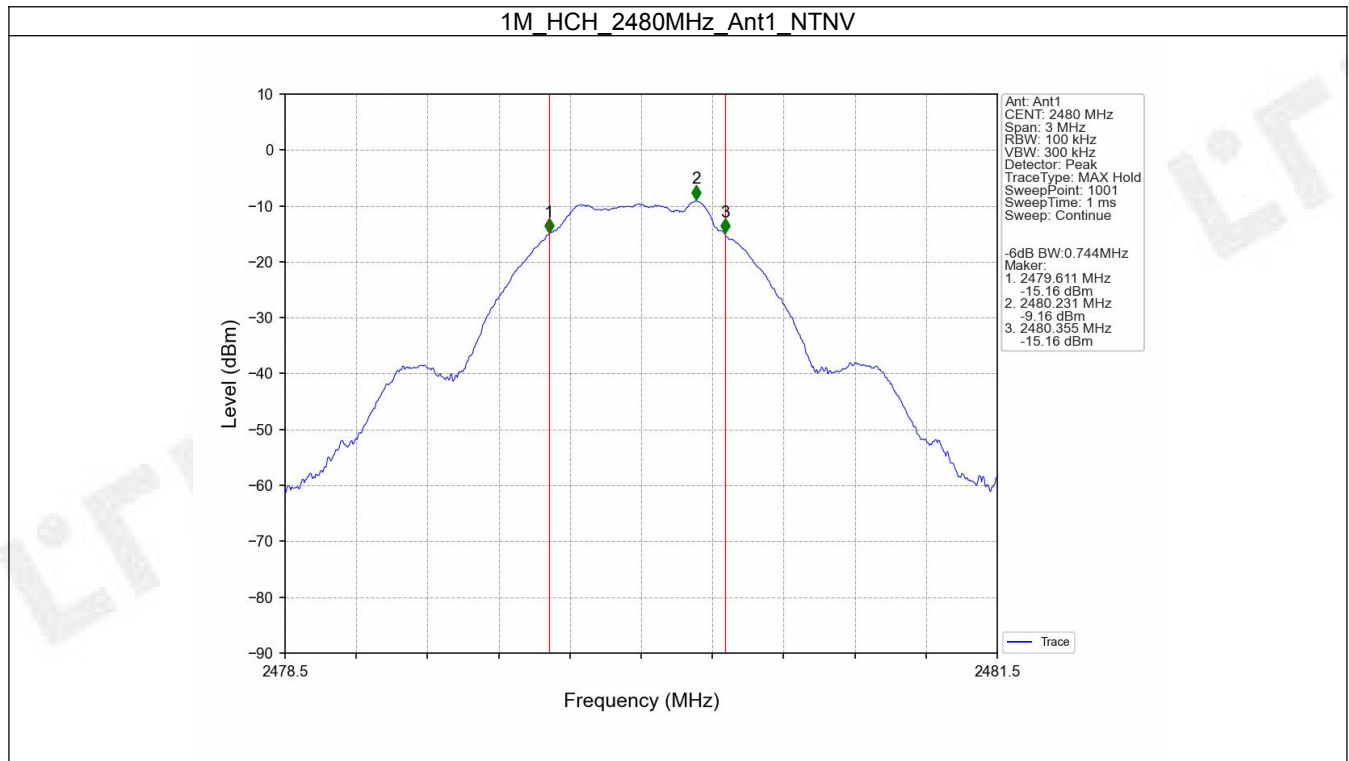


FCCID: 2BTOE-WJR12

1.2.2 6dB BW



FCCID: 2BTOE-WJR12



FCCID: 2BTOE-WJR12

2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

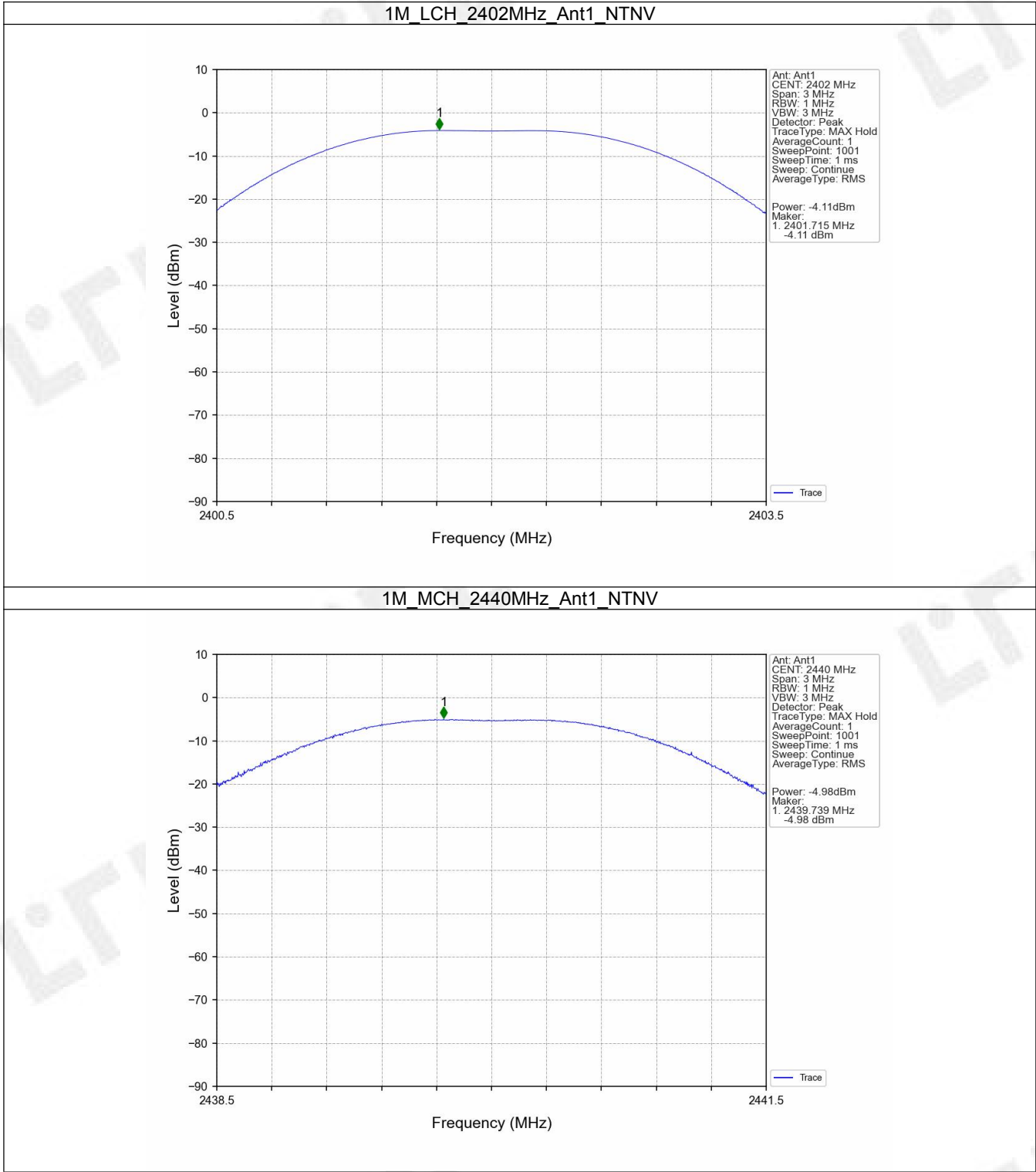
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-4.11	<=30	Pass
		2440	-4.98	<=30	Pass
		2480	-8.14	<=30	Pass

Note1: Antenna Gain: Ant1: 1.72dBi;

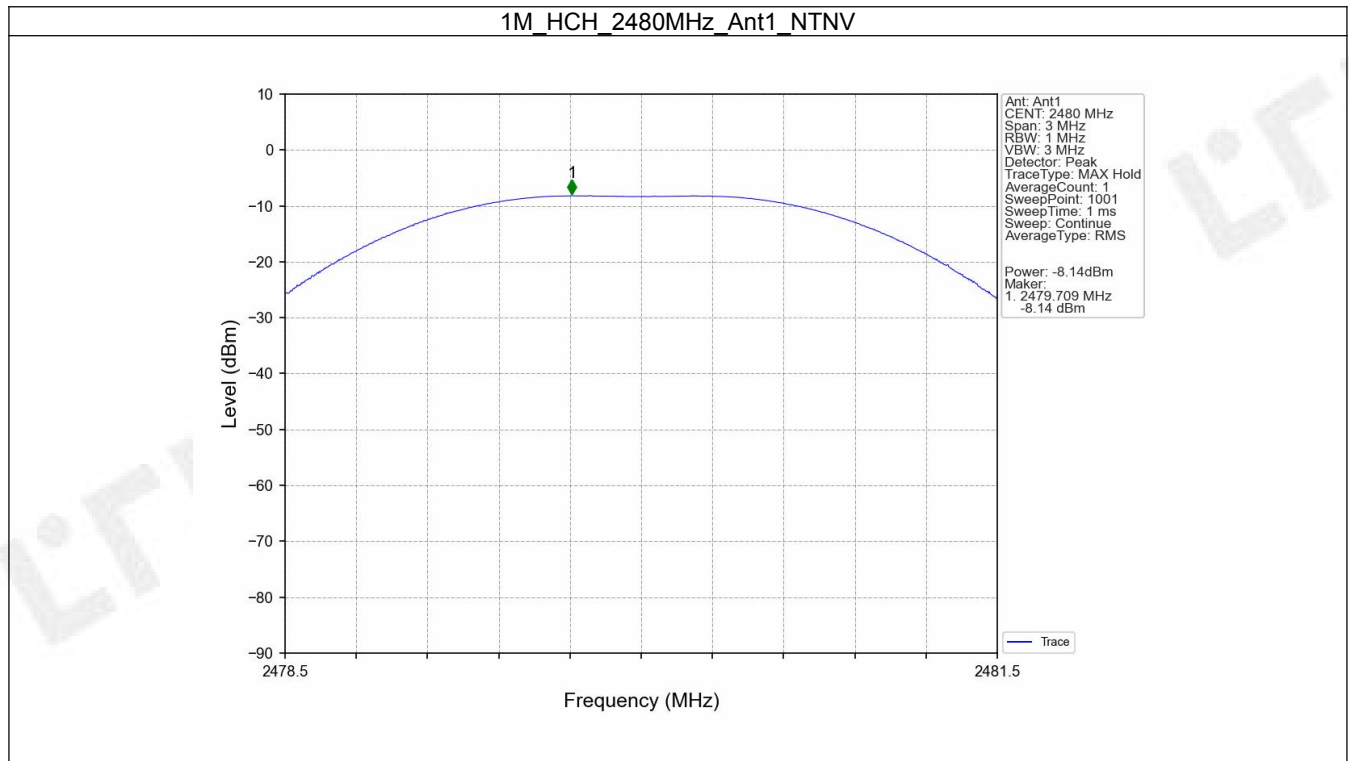
FCCID: 2BTOE-WJR12

2.2 Test Graph

2.2.1 Power



FCCID: 2BTOE-WJR12



FCCID: 2BTOE-WJR12

3. Maximum Power Spectral Density

3.1 Test Result

3.1.1 PSD

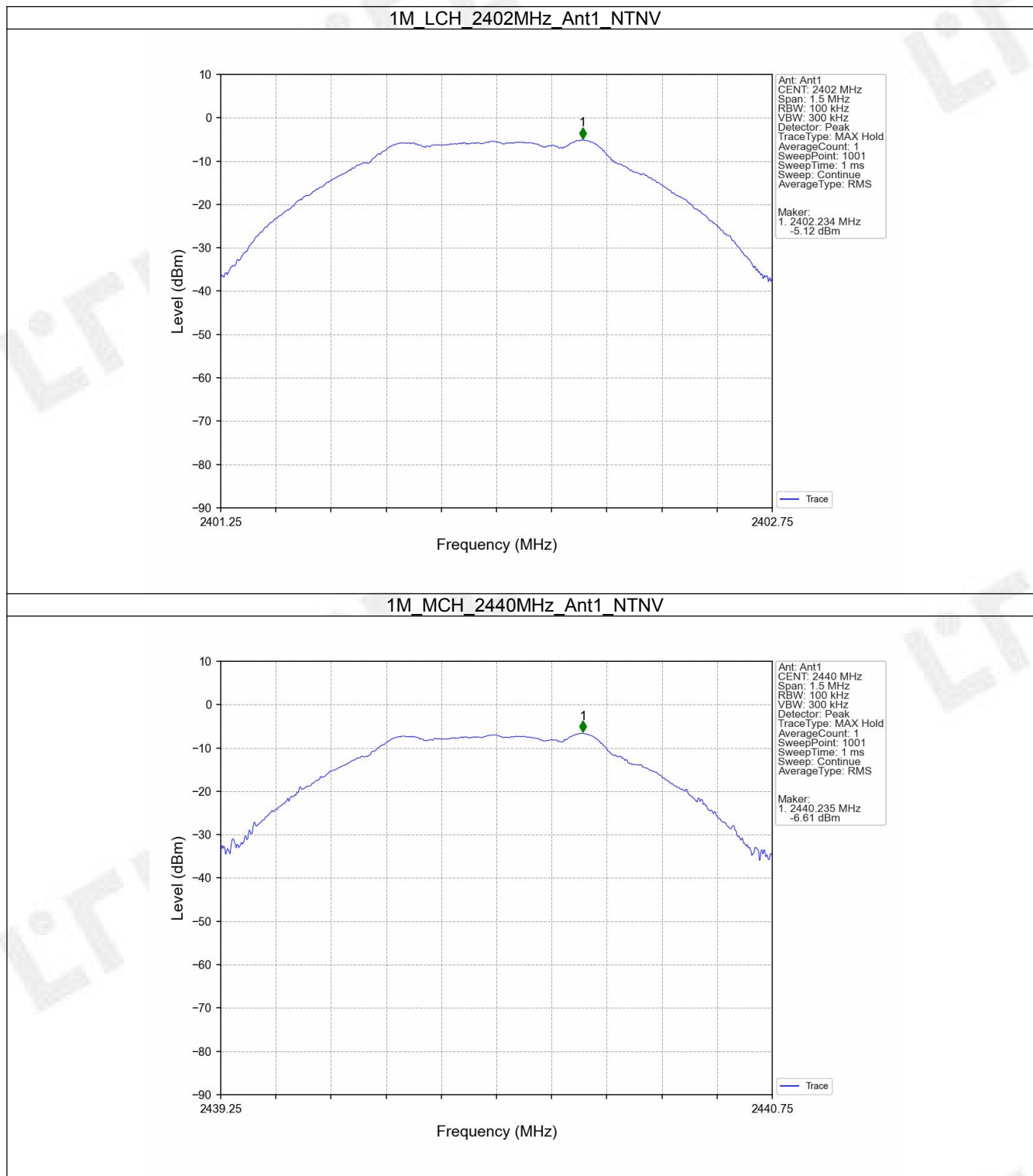
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-5.12	<=8	Pass
		2440	-6.61	<=8	Pass
		2480	-9.20	<=8	Pass

Note1: Antenna Gain: Ant1: 1.72dBi;

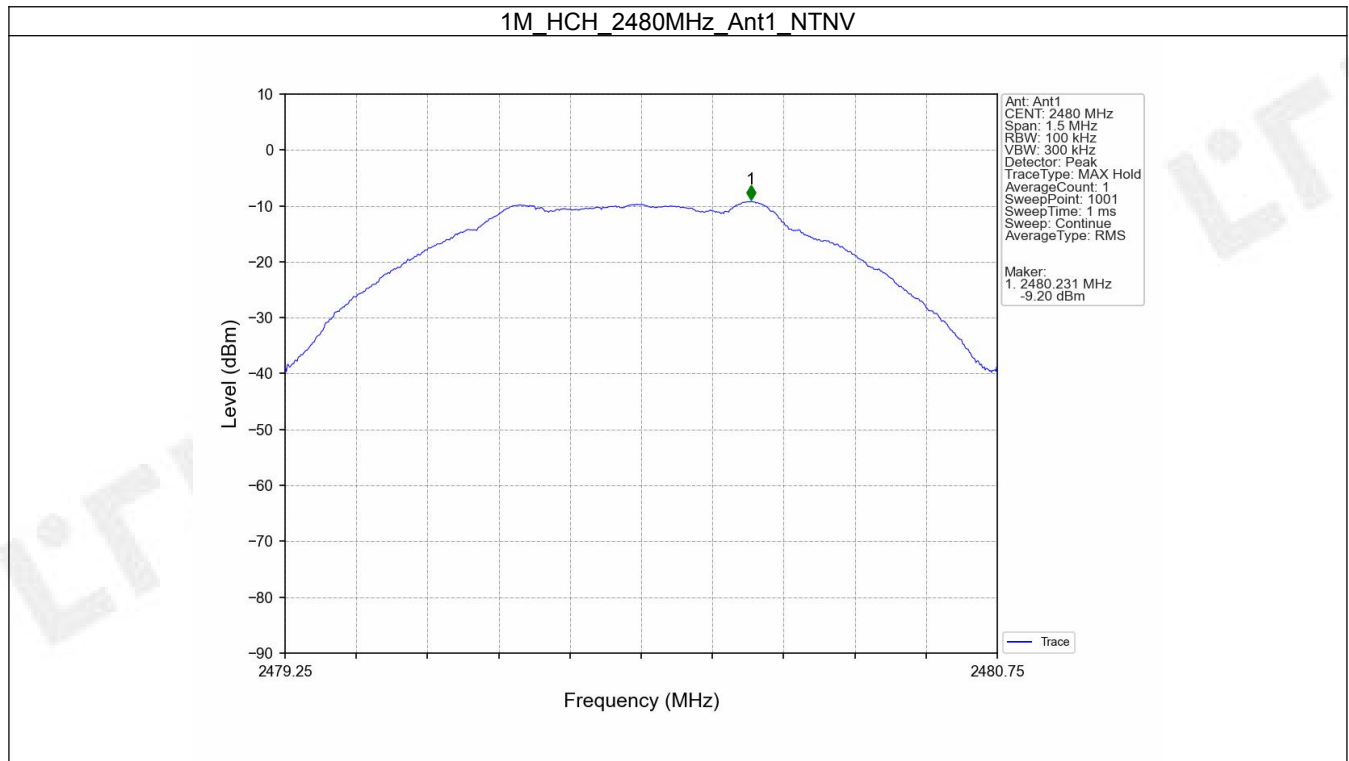
FCCID: 2BTOE-WJR12

3.2 Test Graph

3.2.1 PSD



FCCID: 2BTOE-WJR12



FCCID: 2BTOE-WJR12

4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-5.13
		2440	1	-6.64
		2480	1	-9.30

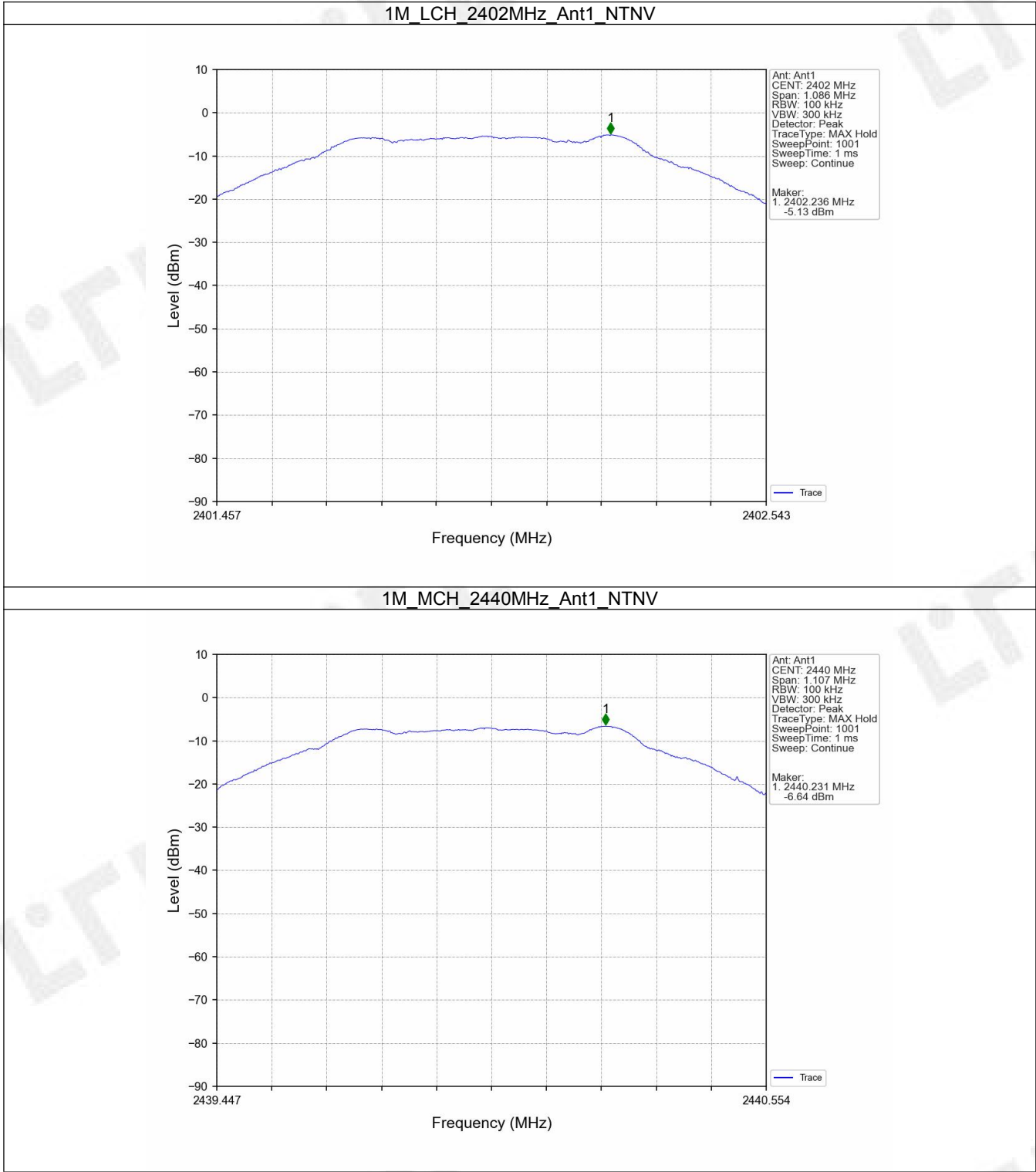
4.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-5.13	-25.13	Pass
		2440	1	-5.13	-25.13	Pass
		2480	1	-5.13	-25.13	Pass

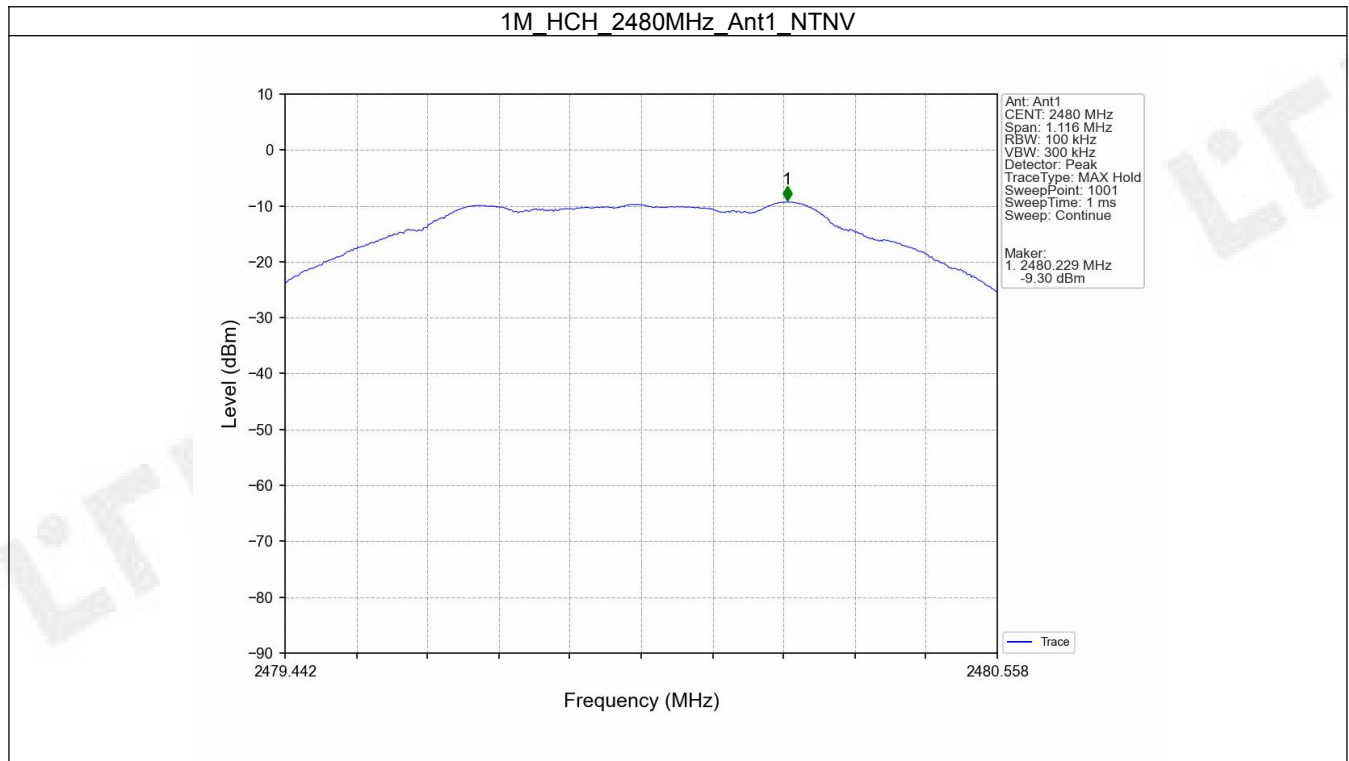
FCCID: 2BTOE-WJR12

4.2 Test Graph

4.2.1 Ref

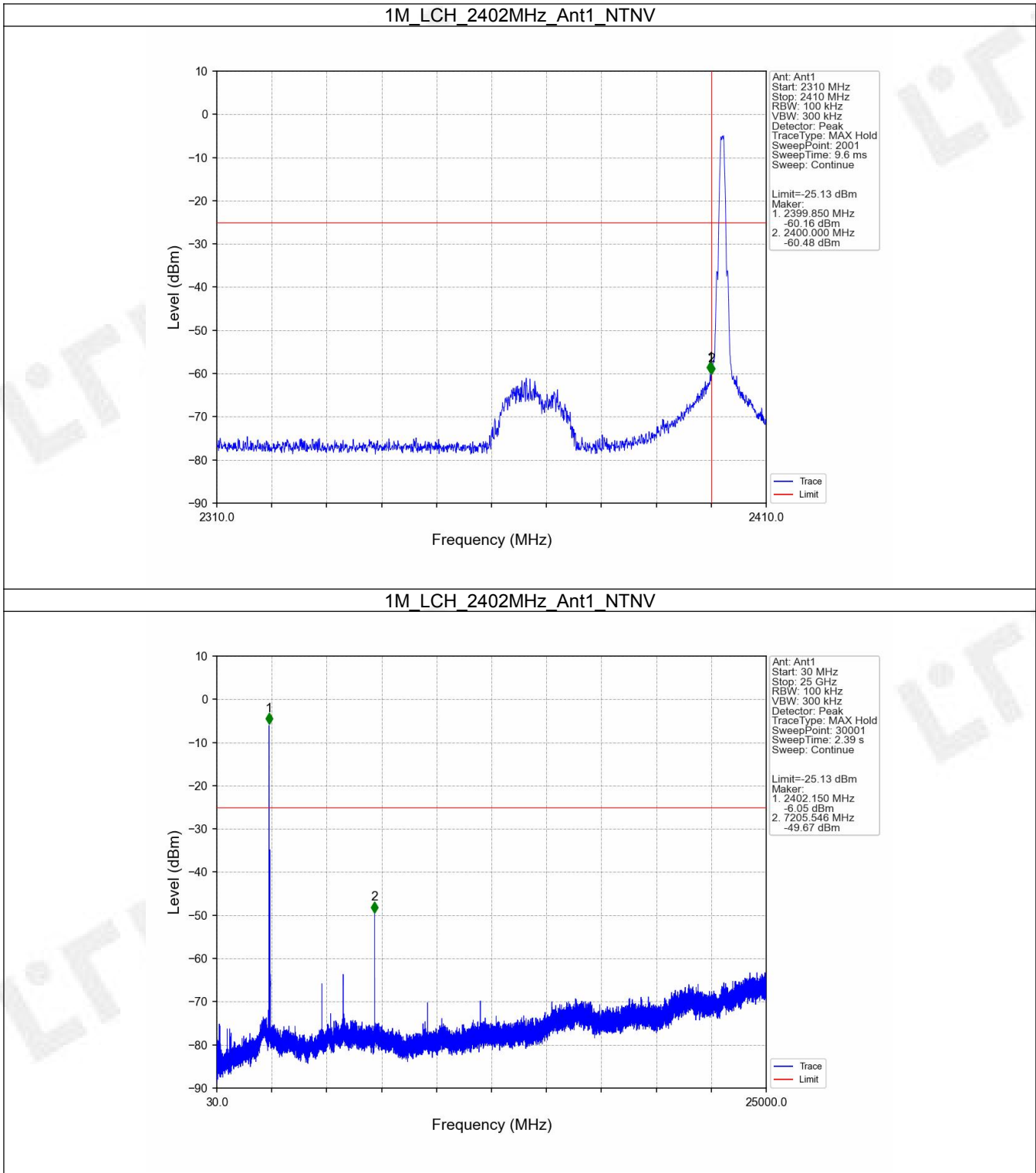


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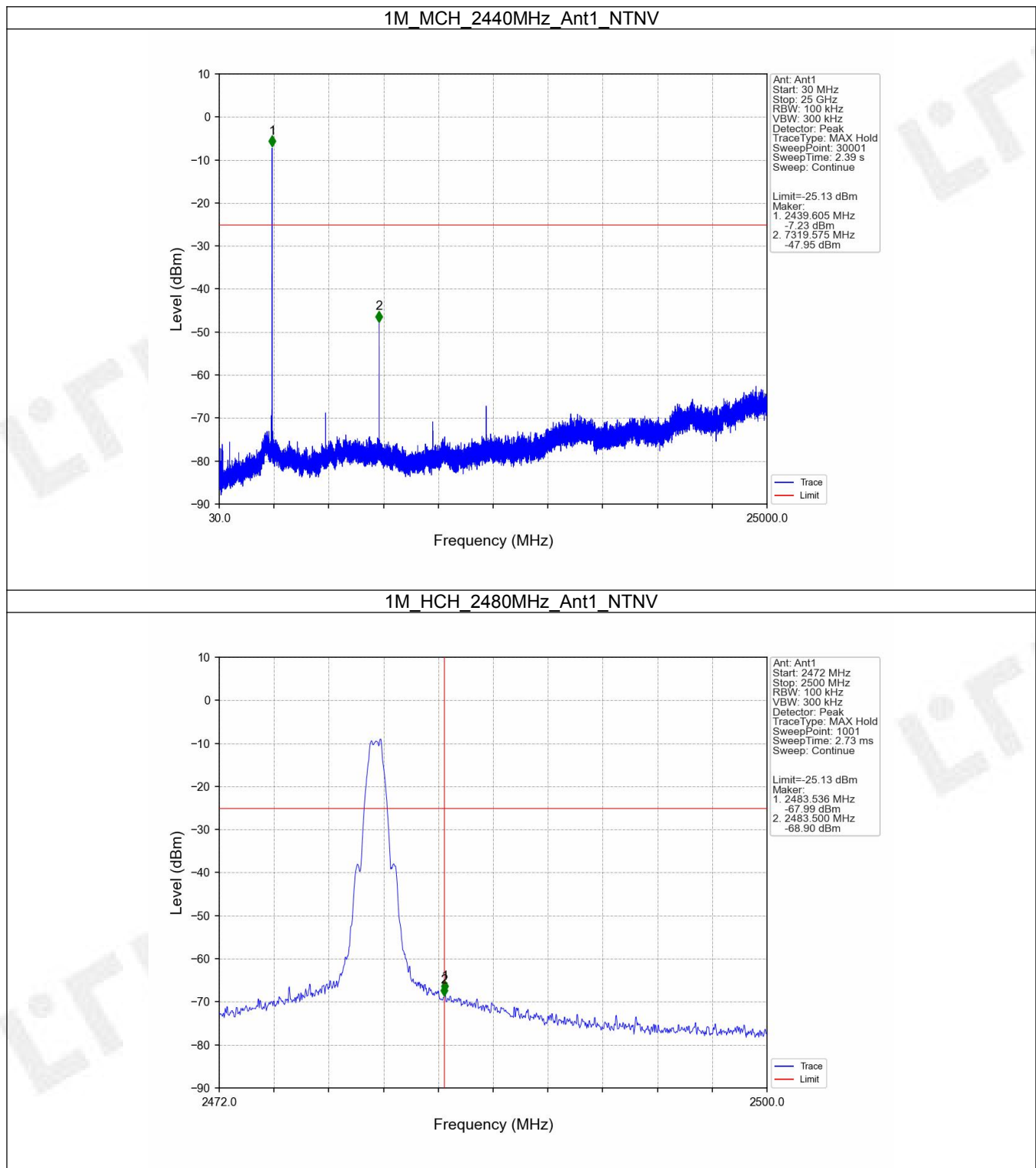


FCCID: 2BTOE-WJR12

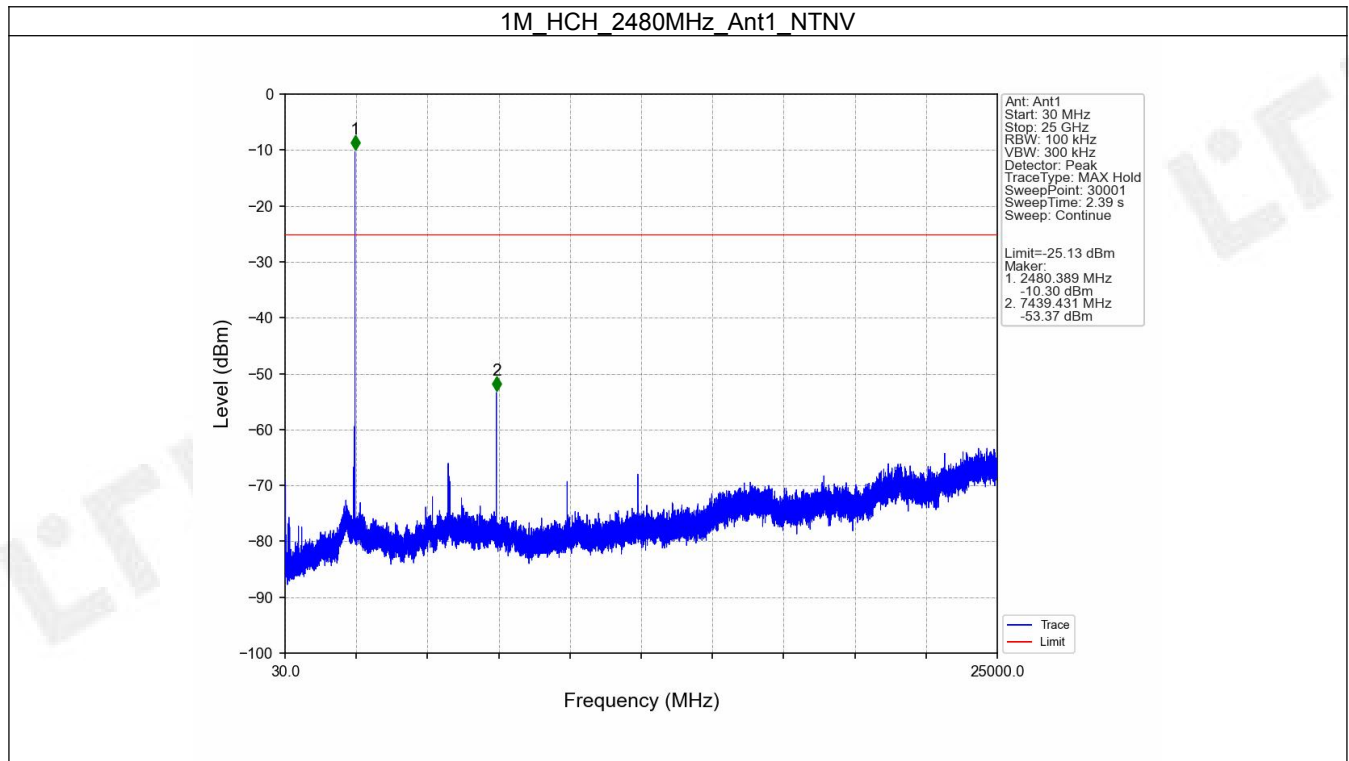
4.2.2 CSE



FCCID: 2BTOE-WJR12



FCCID: 2BTOE-WJR12



FCCID: 2BTOE-WJR12

5. Form731

5.1 Test Result

5.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0004	-4.11