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Annex for Bluetooth Low Energy

Test Report No.: CTL2412062131-WF02

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FCC ID: 2AJ9K-UT2601

1. Duty Cycle

1.1 Test Result

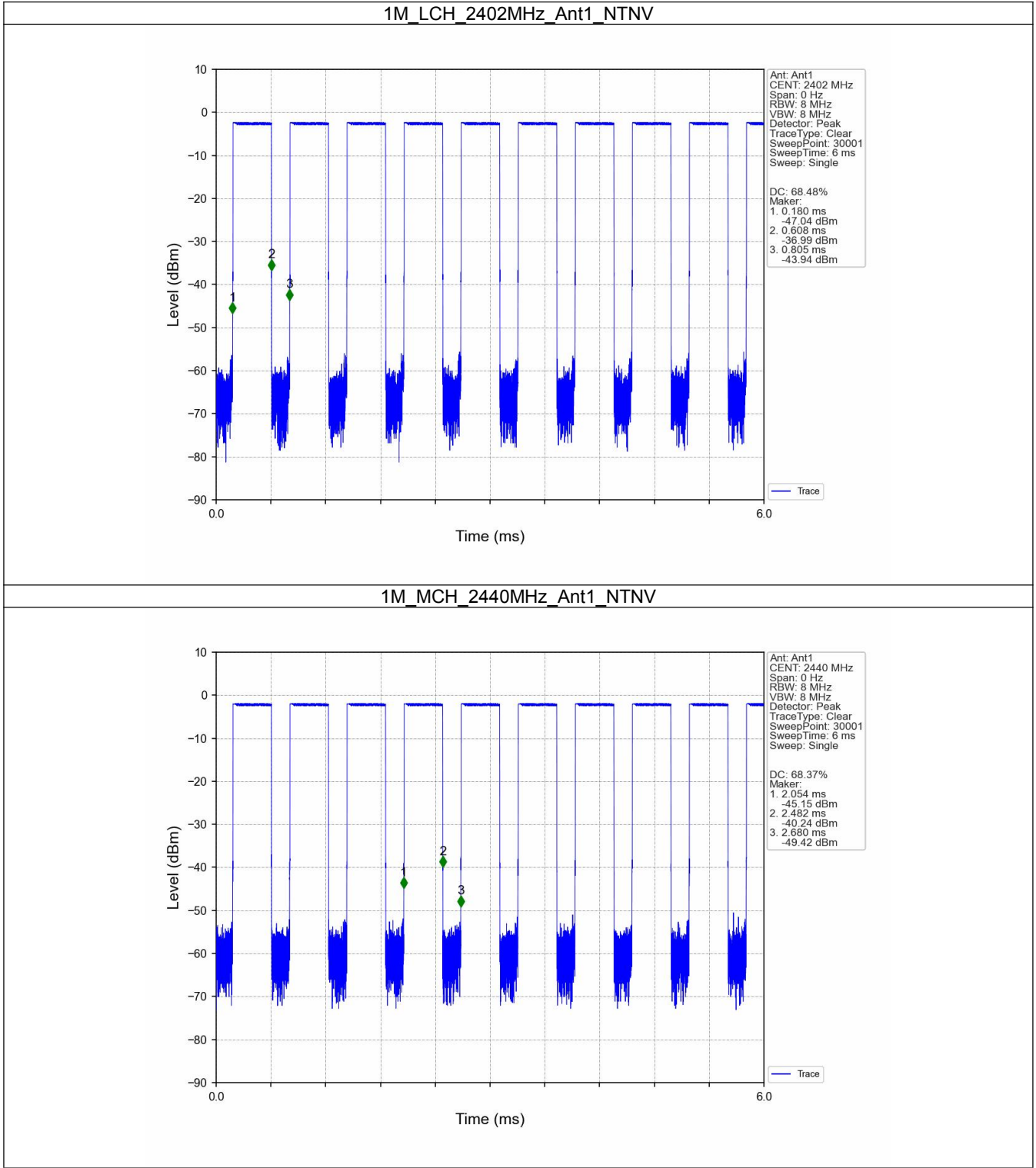
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.428	0.625	68.48	1.64	0.00
		2440	0.428	0.626	68.37	1.65	0.05
		2480	0.428	0.625	68.48	1.64	0.00

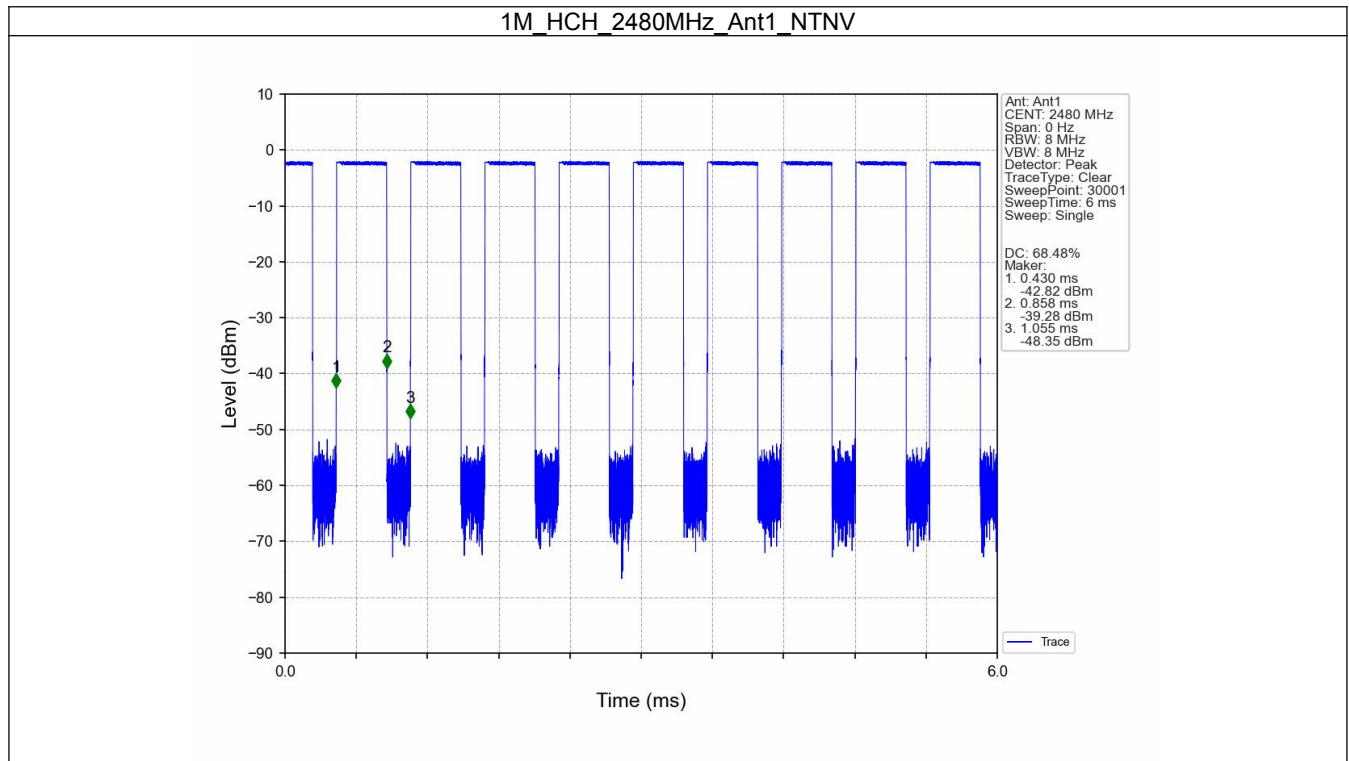
FCC ID: 2AJ9K-UT2601

1.2 Test Graph

1.2.1 Ant1



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.017	/	Pass
		2440	1	1.017	/	Pass
		2480	1	1.018	/	Pass

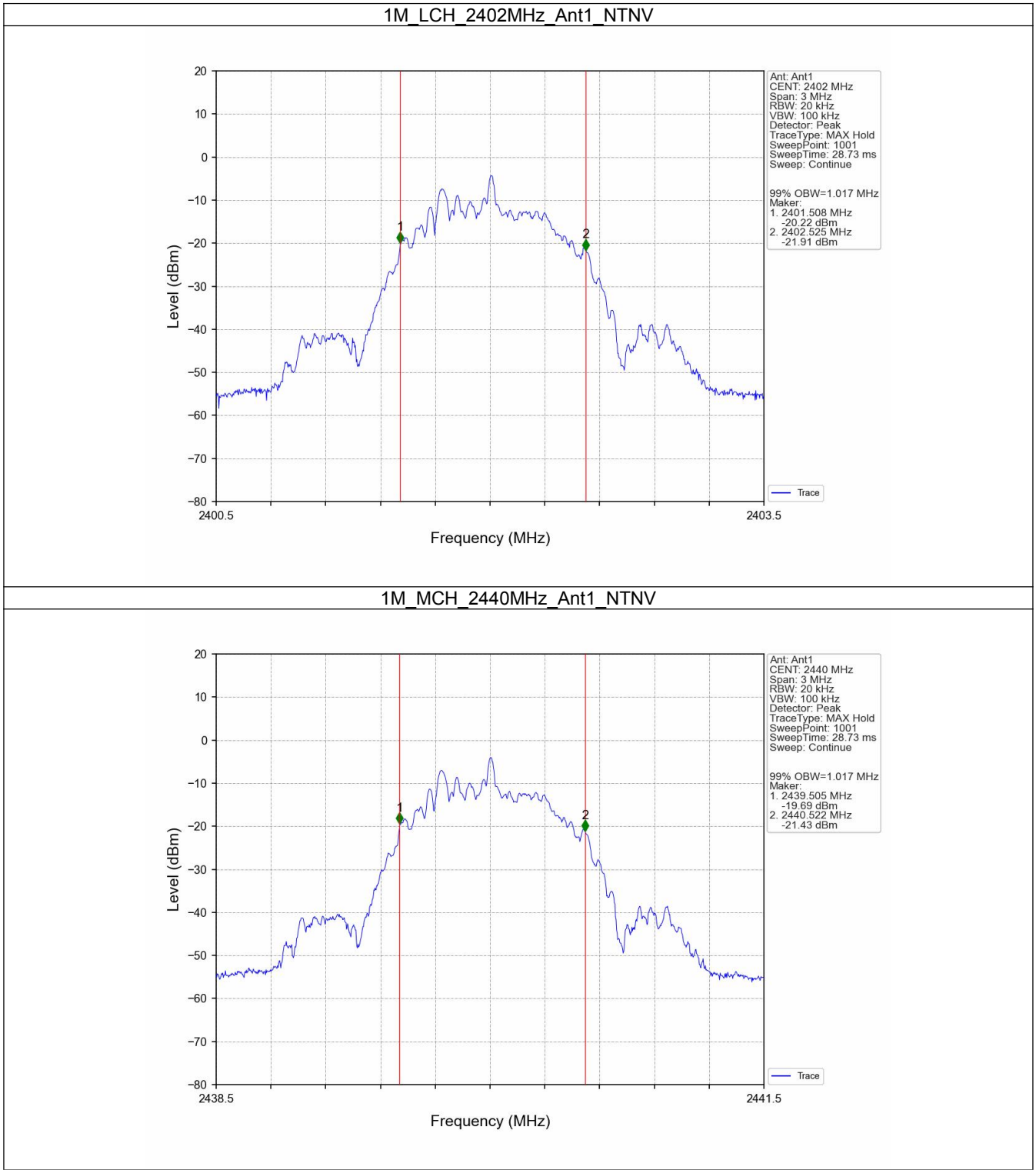
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.697	≥ 0.5	Pass
		2440	1	0.694	≥ 0.5	Pass
		2480	1	0.693	≥ 0.5	Pass

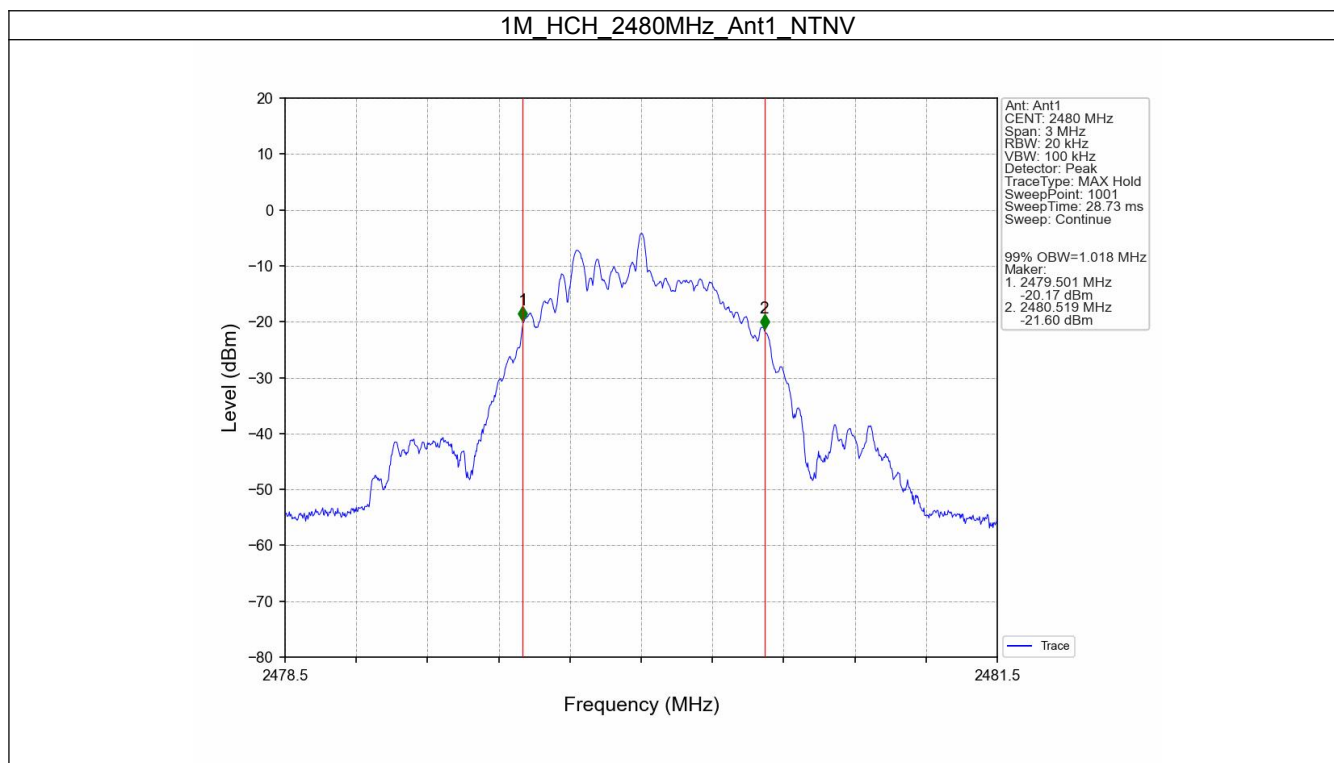
FCC ID: 2AJ9K-UT2601

2.2 Test Graph

2.2.1 OBW

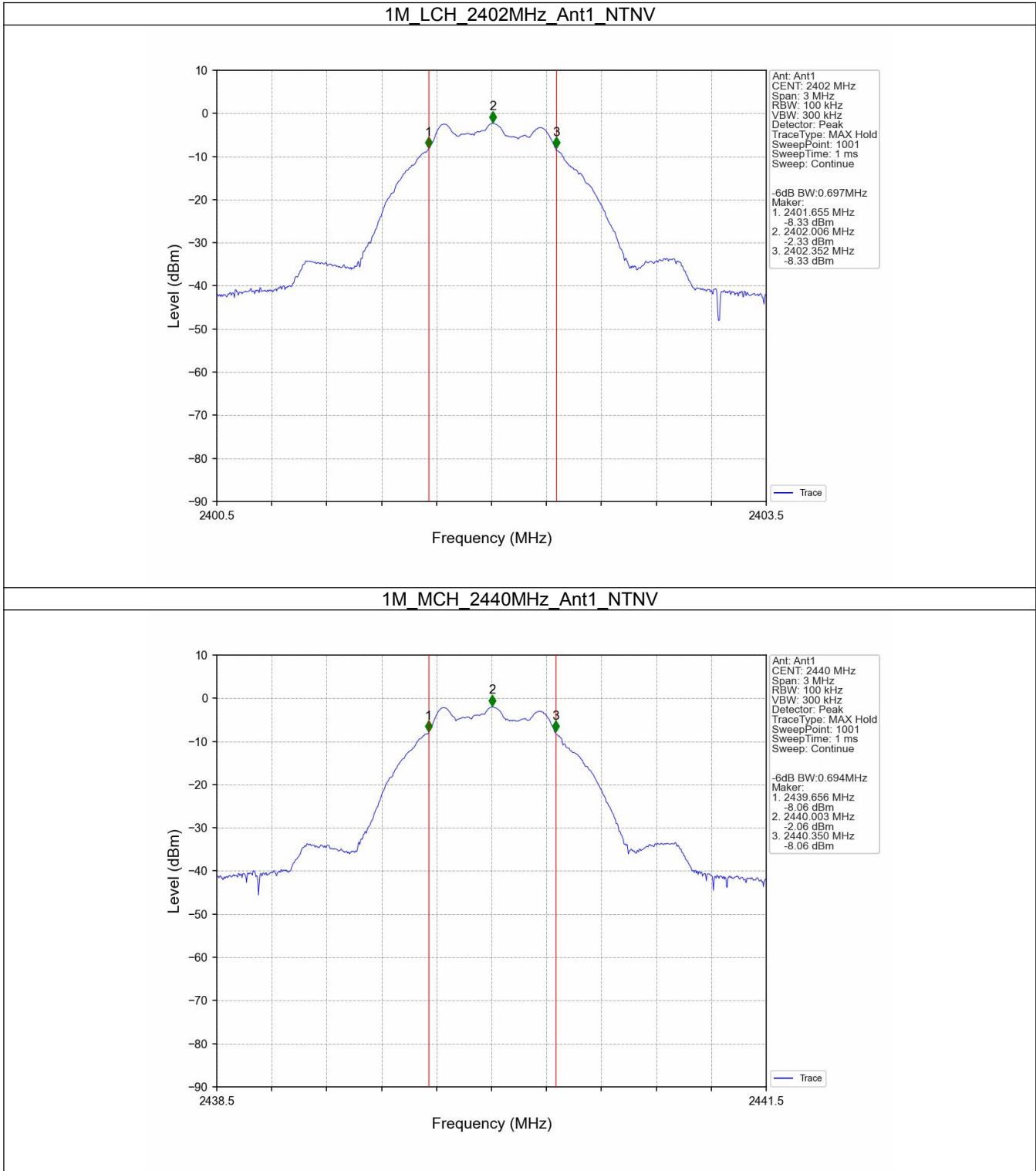


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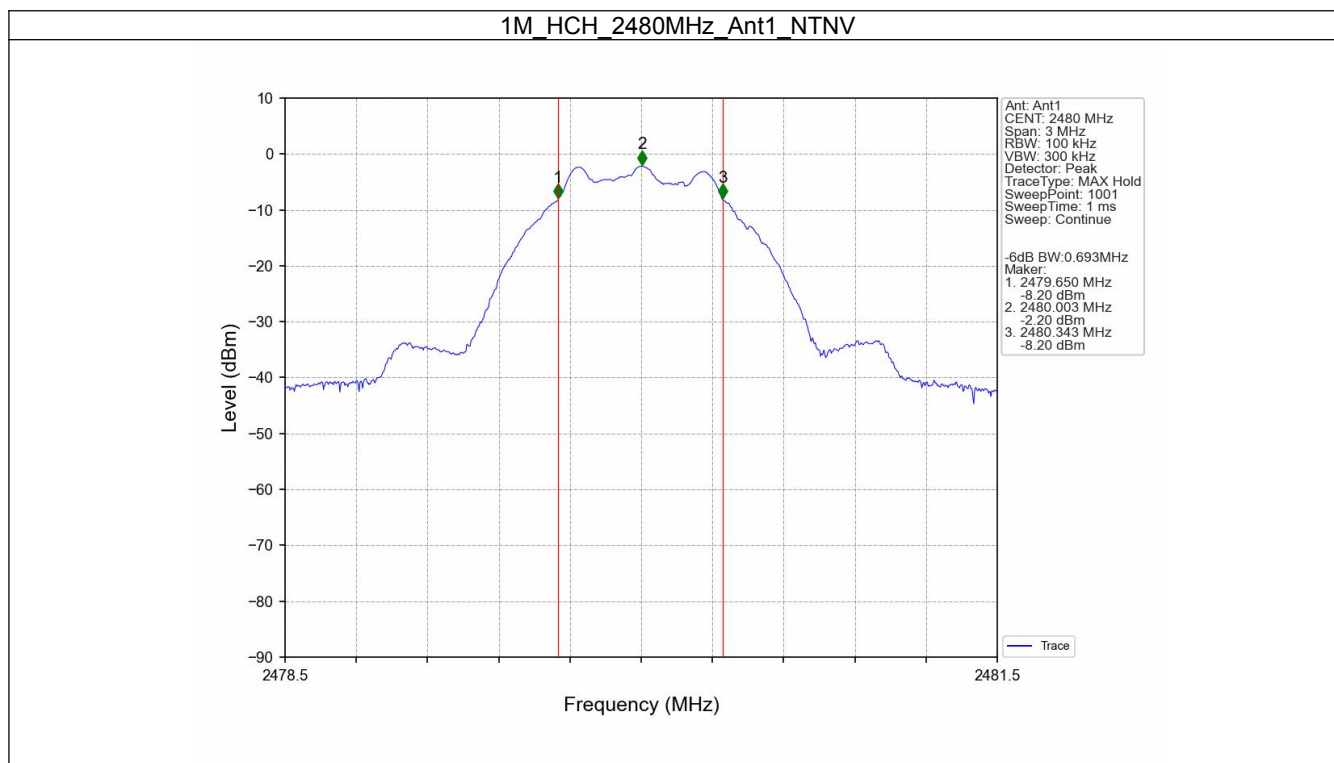


FCC ID: 2AJ9K-UT2601

2.2.2 6dB BW



FCC ID: 2AJ9K-UT2601



FCC ID: 2AJ9K-UT2601

3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

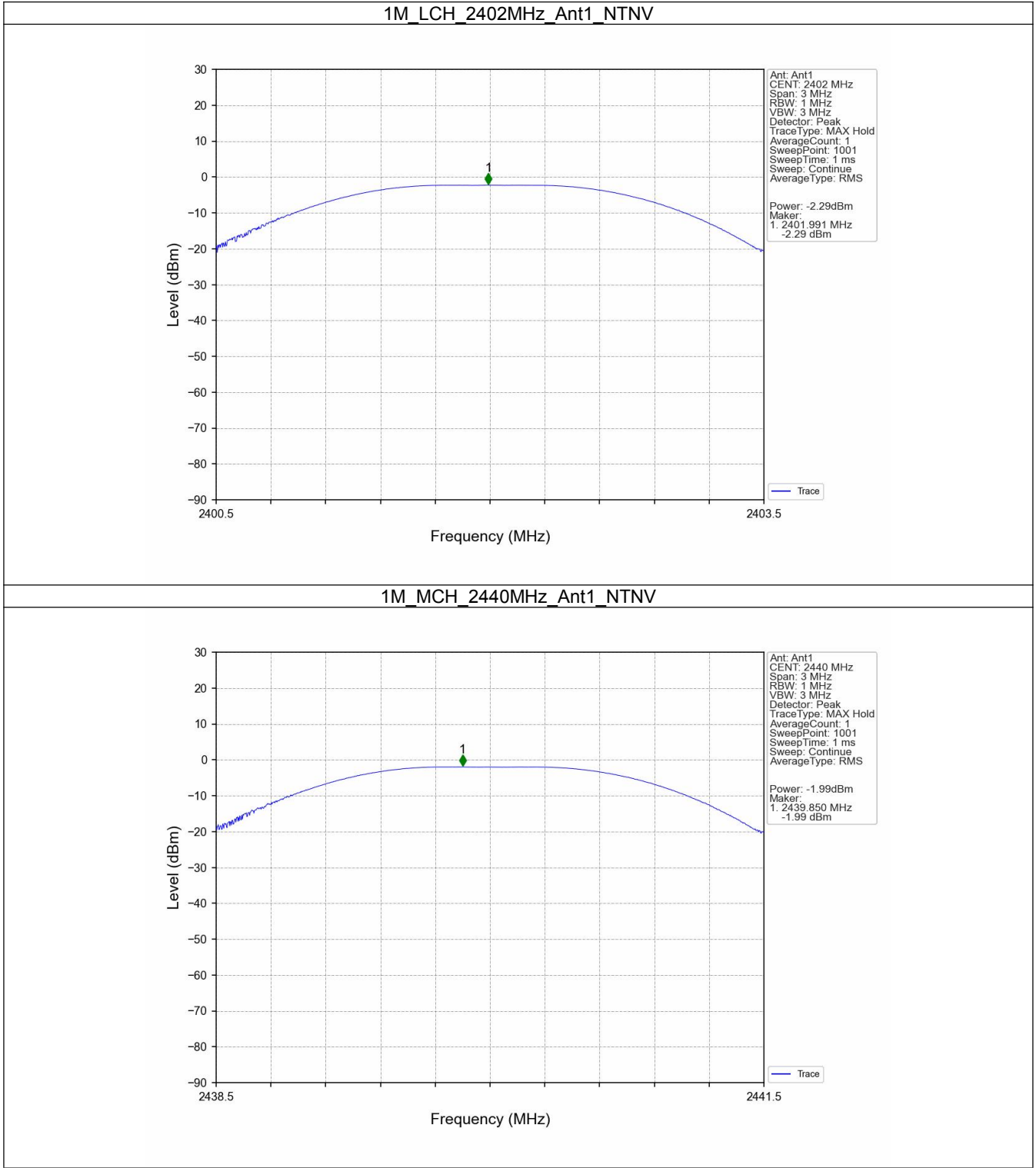
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.29	<=30	Pass
		2440	-1.99	<=30	Pass
		2480	-2.14	<=30	Pass

Note1: Antenna Gain: Ant1: -0.58dBi;

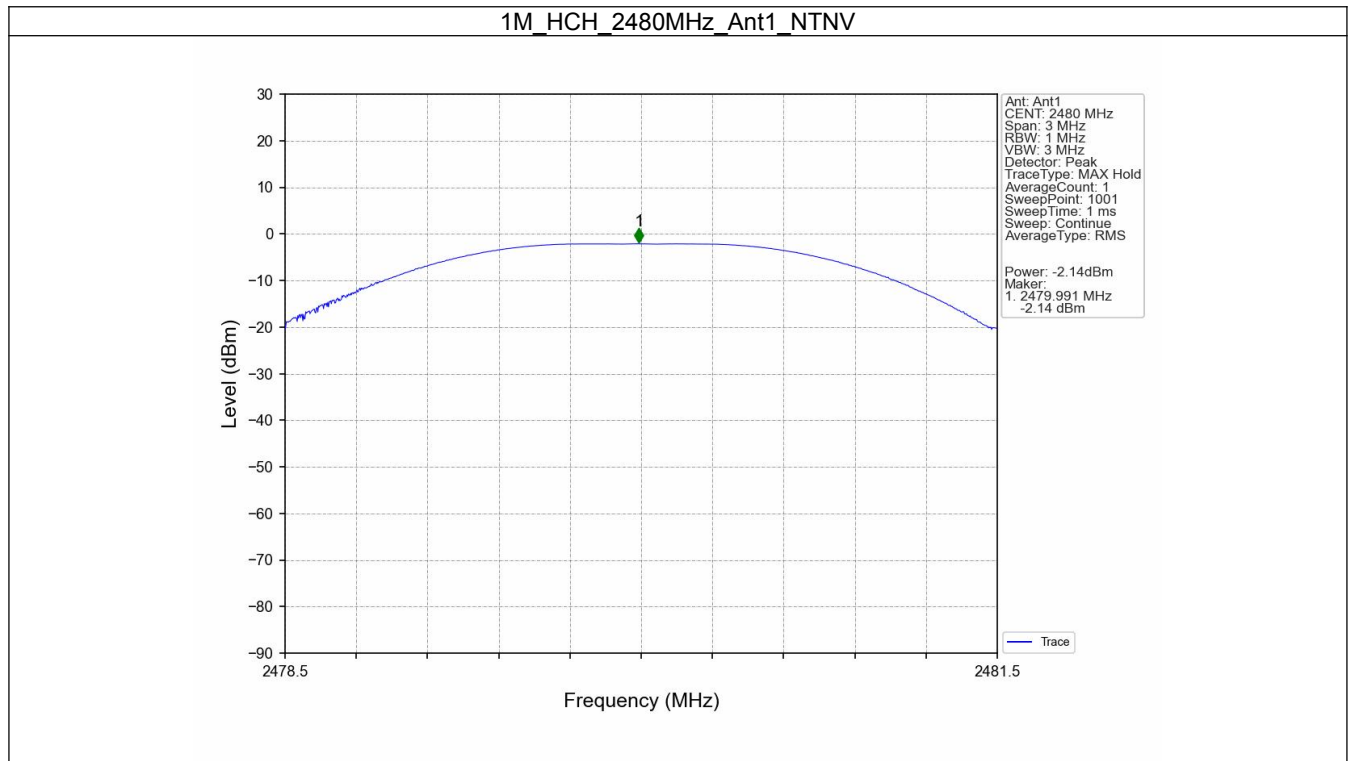
FCC ID: 2AJ9K-UT2601

3.2 Test Graph

3.2.1 Power



FCC ID: 2AJ9K-UT2601



FCC ID: 2AJ9K-UT2601

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

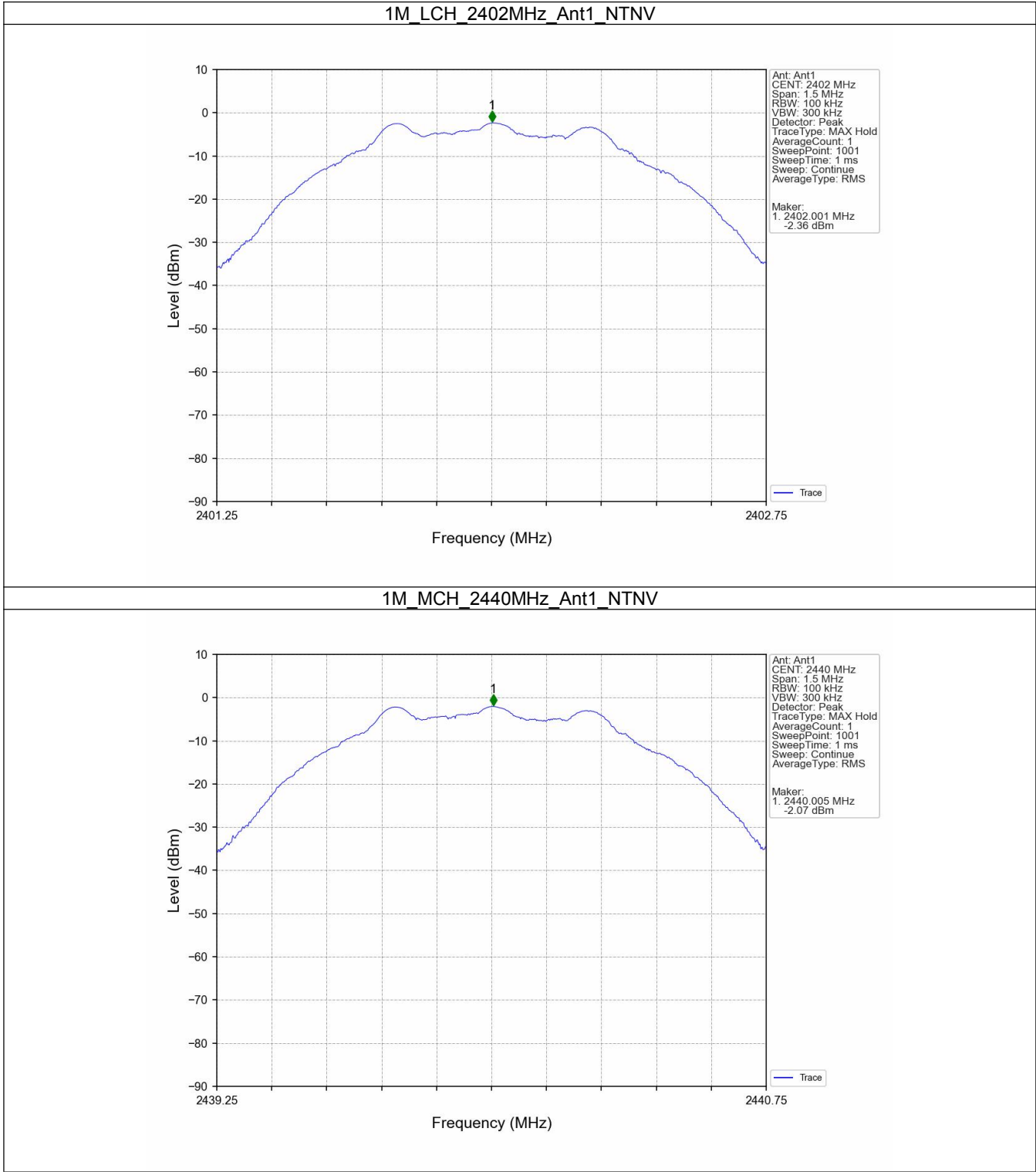
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.36	<=8	Pass
		2440	-2.07	<=8	Pass
		2480	-2.20	<=8	Pass

Note1: Antenna Gain: Ant1: -0.58dBi;

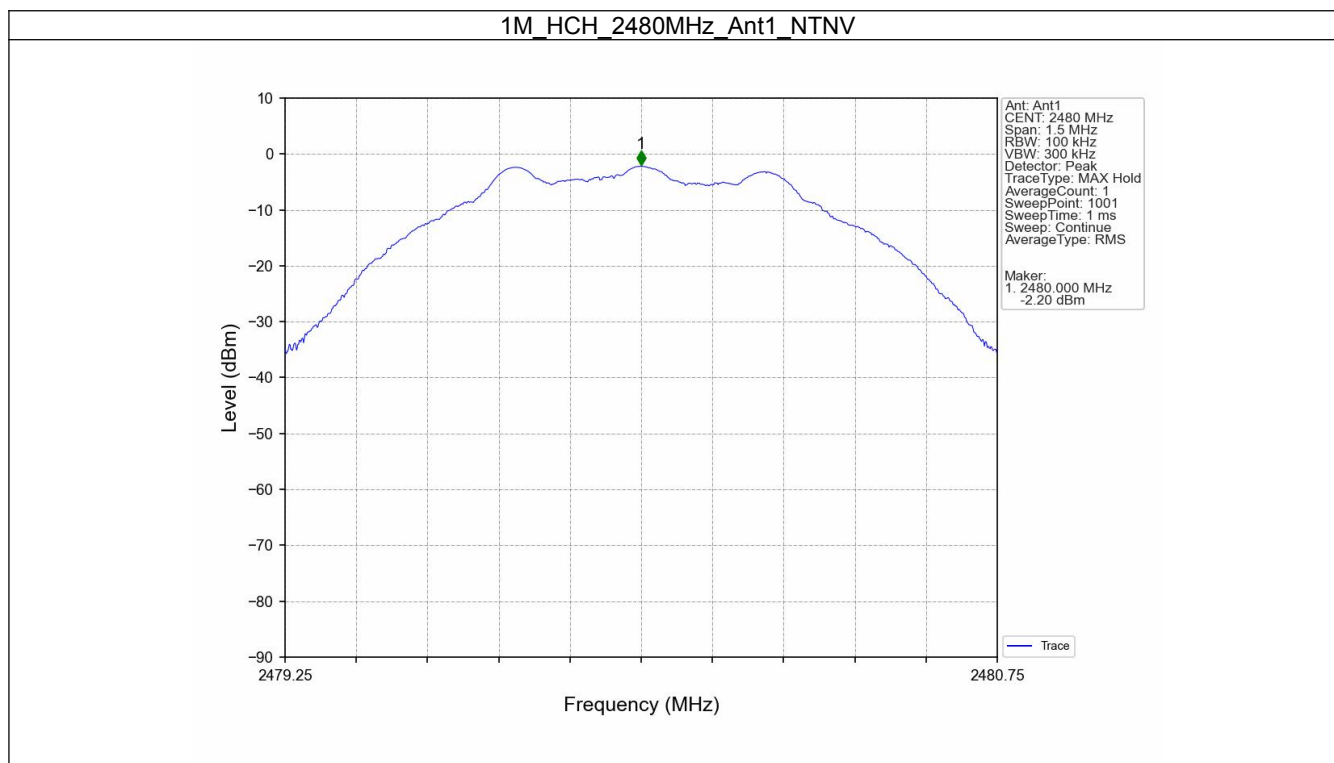
FCC ID: 2AJ9K-UT2601

4.2 Test Graph

4.2.1 PSD



FCC ID: 2AJ9K-UT2601



FCC ID: 2AJ9K-UT2601

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	-2.34
		2440	1	-2.07
		2480	1	-2.20

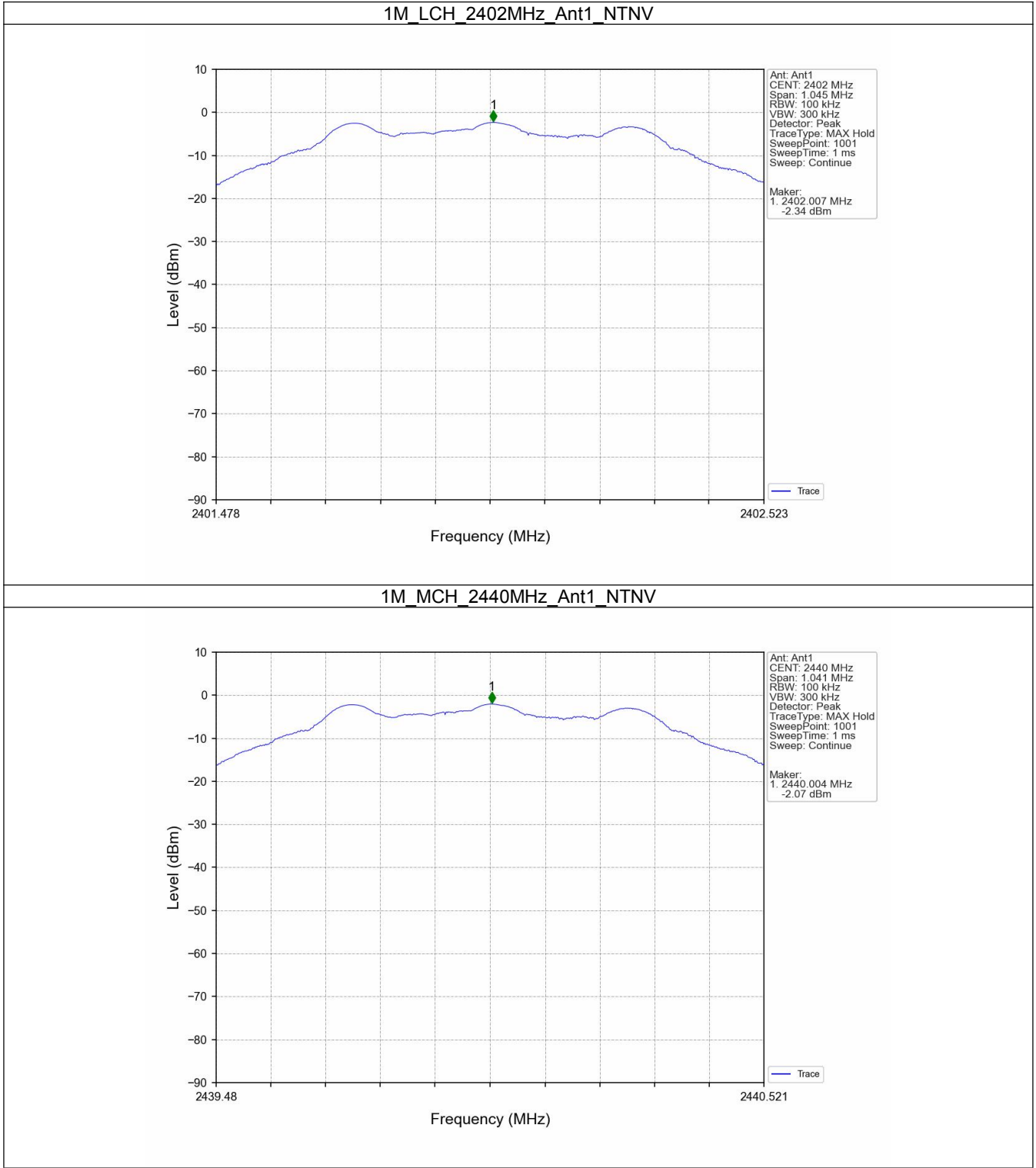
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.07	-22.07	Pass
		2440	1	-2.07	-22.07	Pass
		2480	1	-2.07	-22.07	Pass

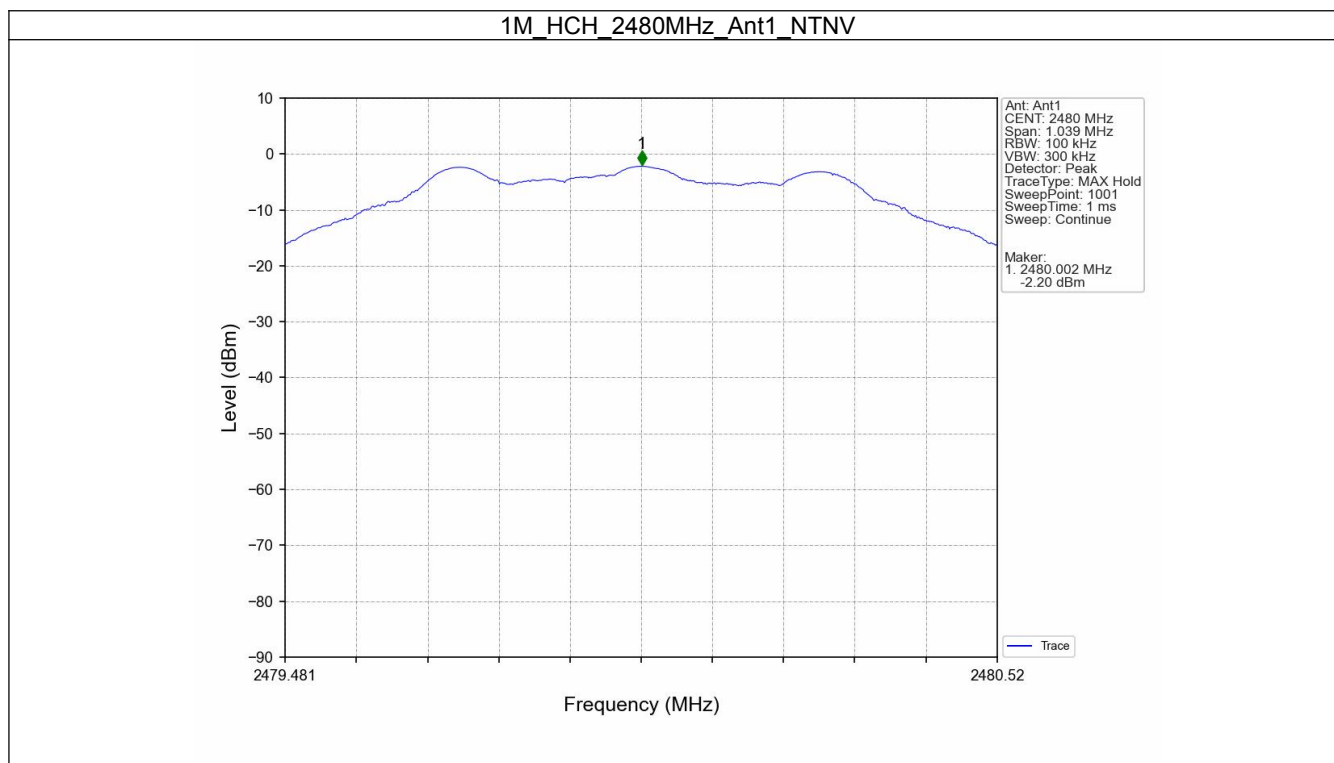
FCC ID: 2AJ9K-UT2601

5.2 Test Graph

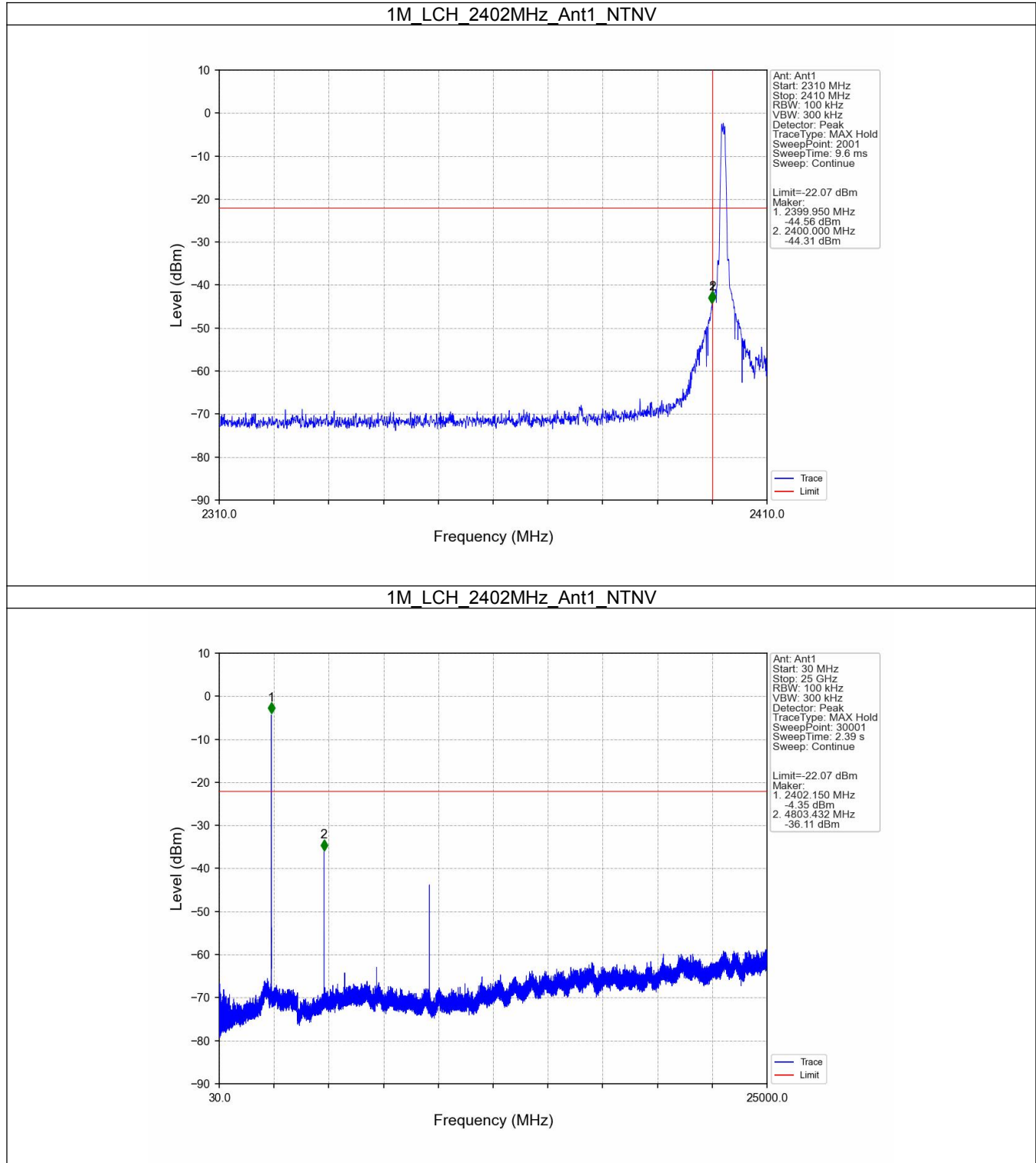
5.2.1 Ref



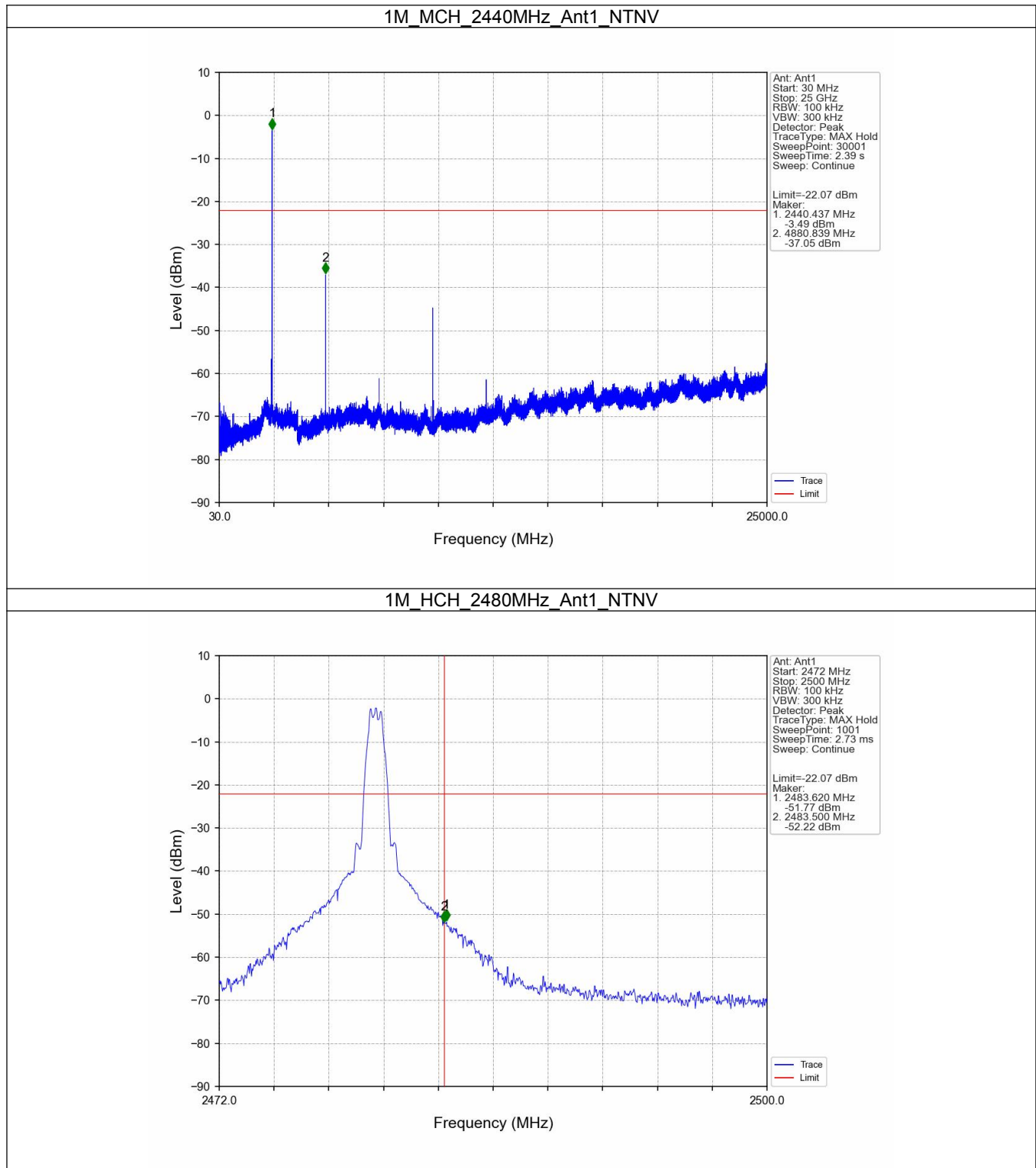
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FCC ID: 2AJ9K-UT2601

5.2.2 CSE

FCC ID: 2AJ9K-UT2601



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