

Appendix D for KSCR220100003204AT-FCC-BLE-MT7668

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	0.377	0.625	60.32	2.20	0.00
		2440	0.377	0.625	60.32	2.20	0.00
		2480	0.377	0.625	60.32	2.20	0.00

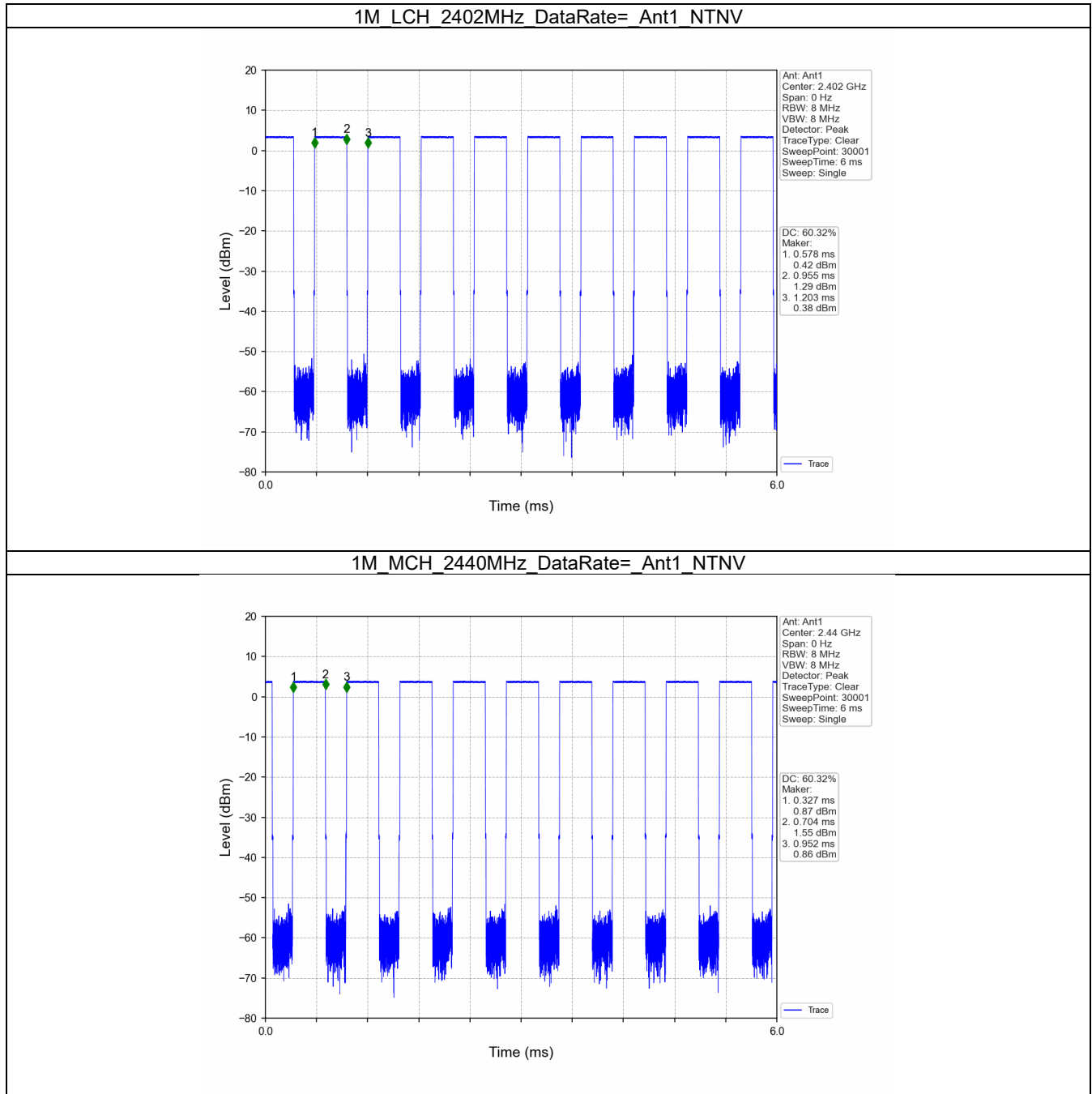


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1.1.2 Test Graph

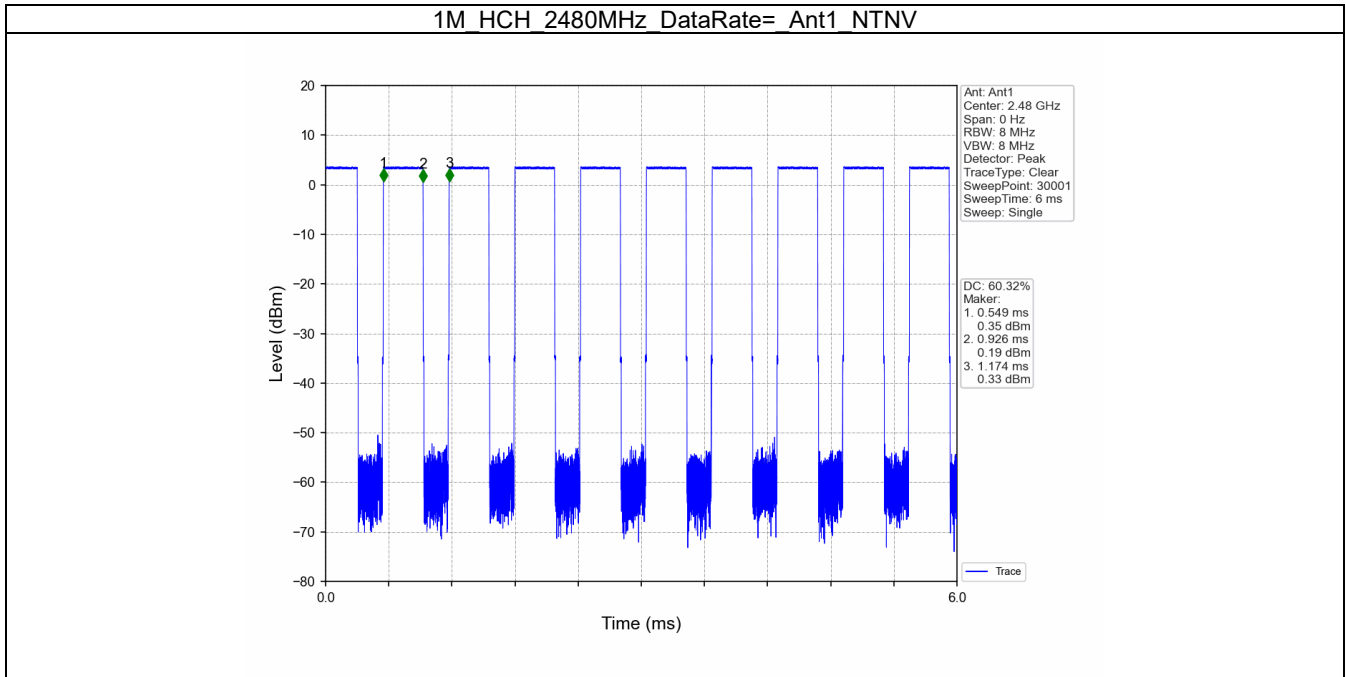


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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.027	Pass
		2440	1	1.027	Pass
		2480	1	1.027	Pass

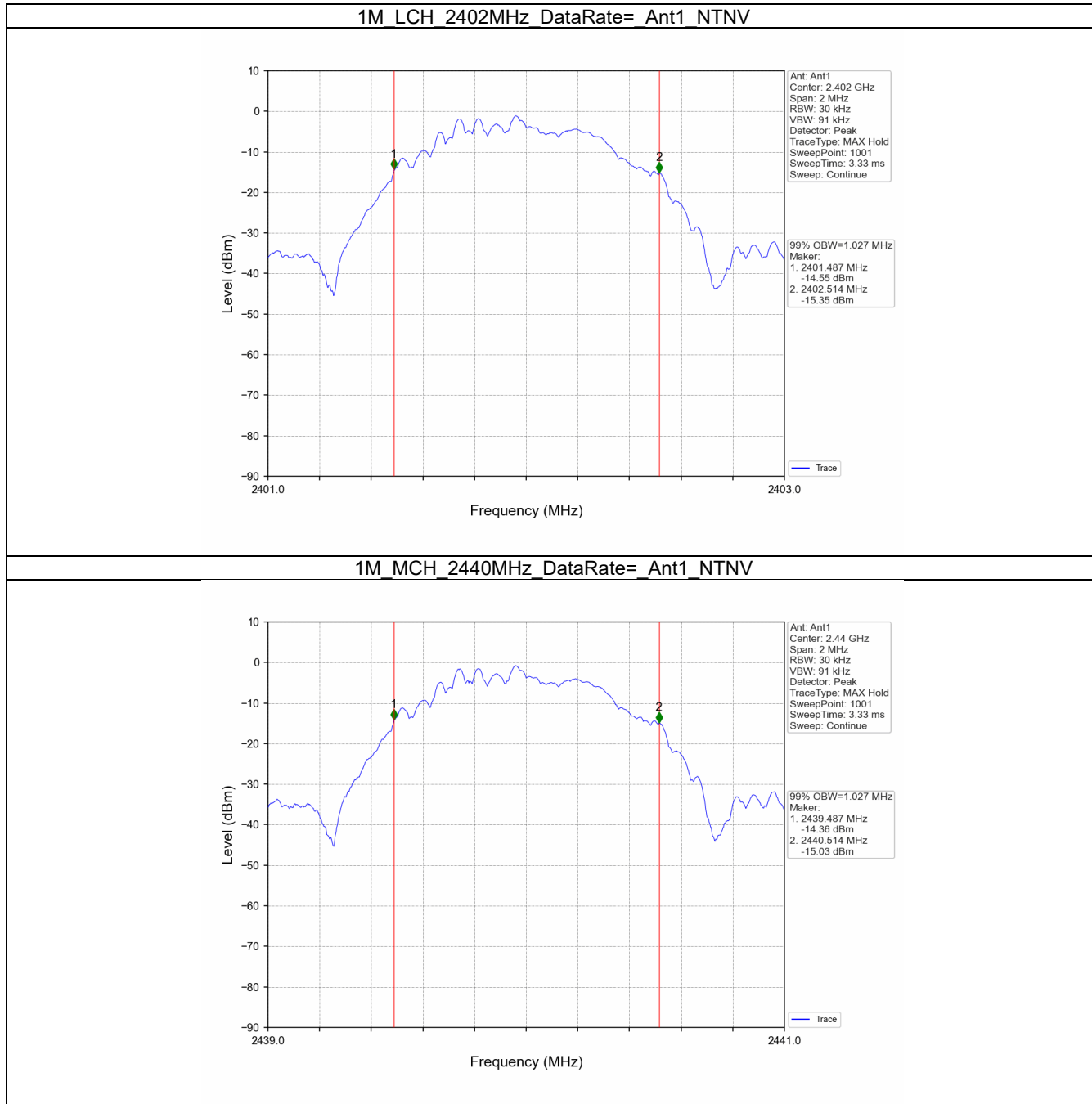


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2.1.2 Test Graph

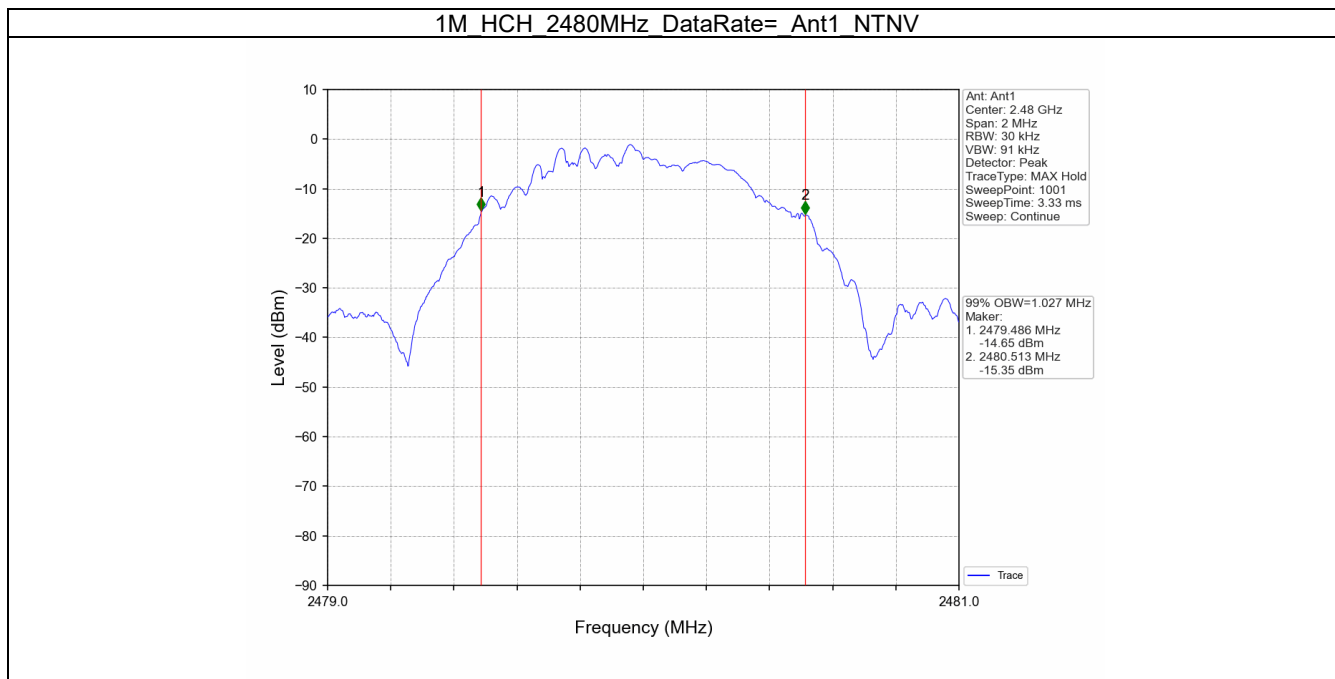


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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.701	>=0.5	Pass
		2440	1	0.698	>=0.5	Pass
		2480	1	0.692	>=0.5	Pass

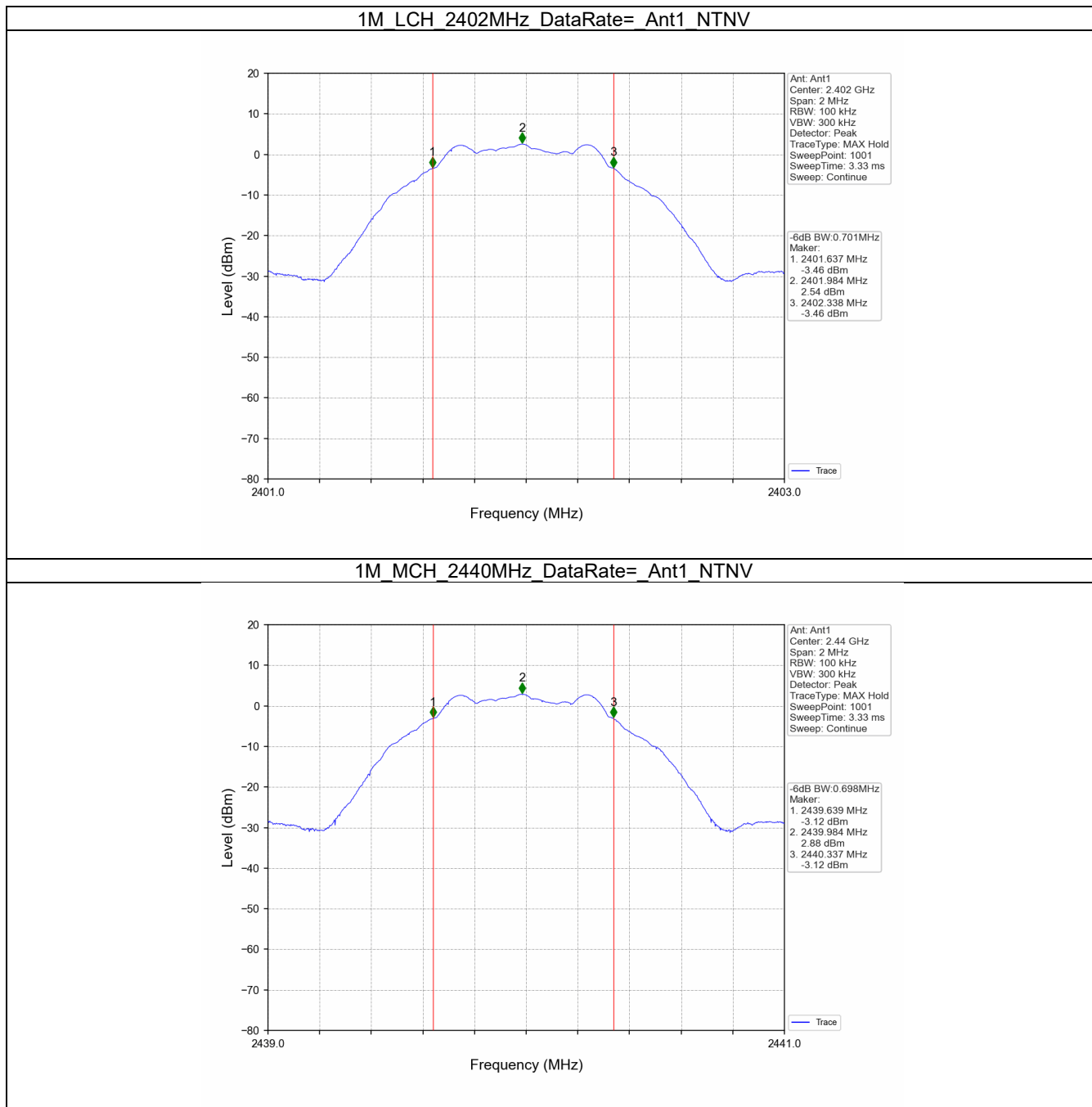


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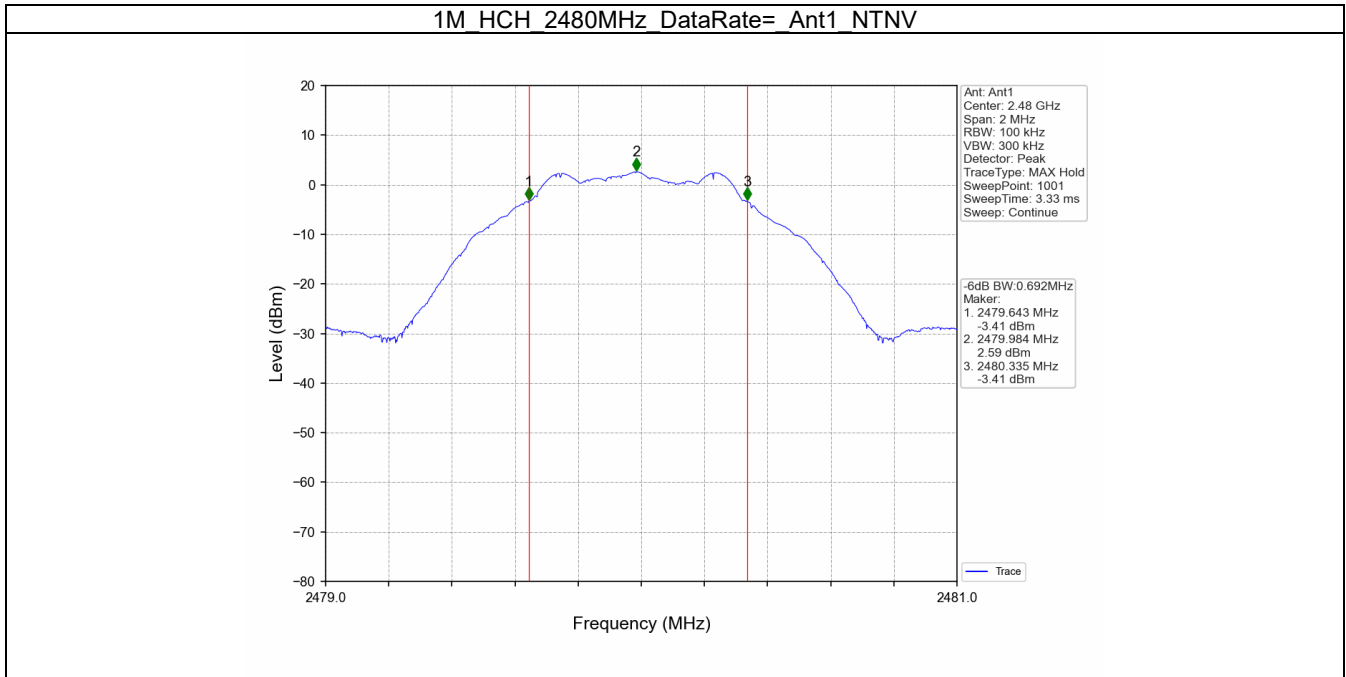
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2.2.2 Test Graph



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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	3.50	<=30	Pass
		2440	3.83	<=30	Pass
		2480	3.53	<=30	Pass

Note1: Antenna Gain: Ant1: 5.19dBi;

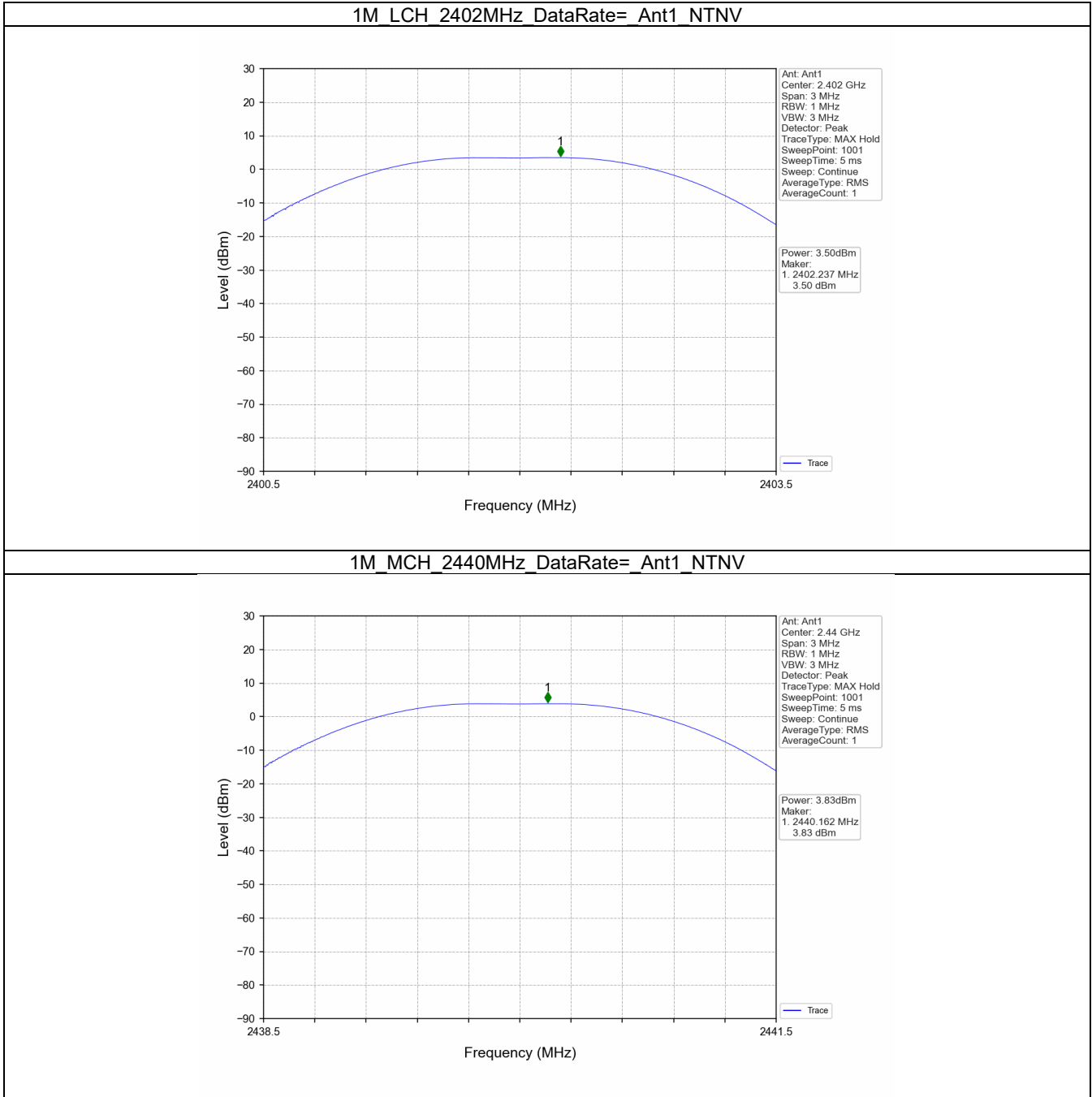


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3.1.2 Test Graph

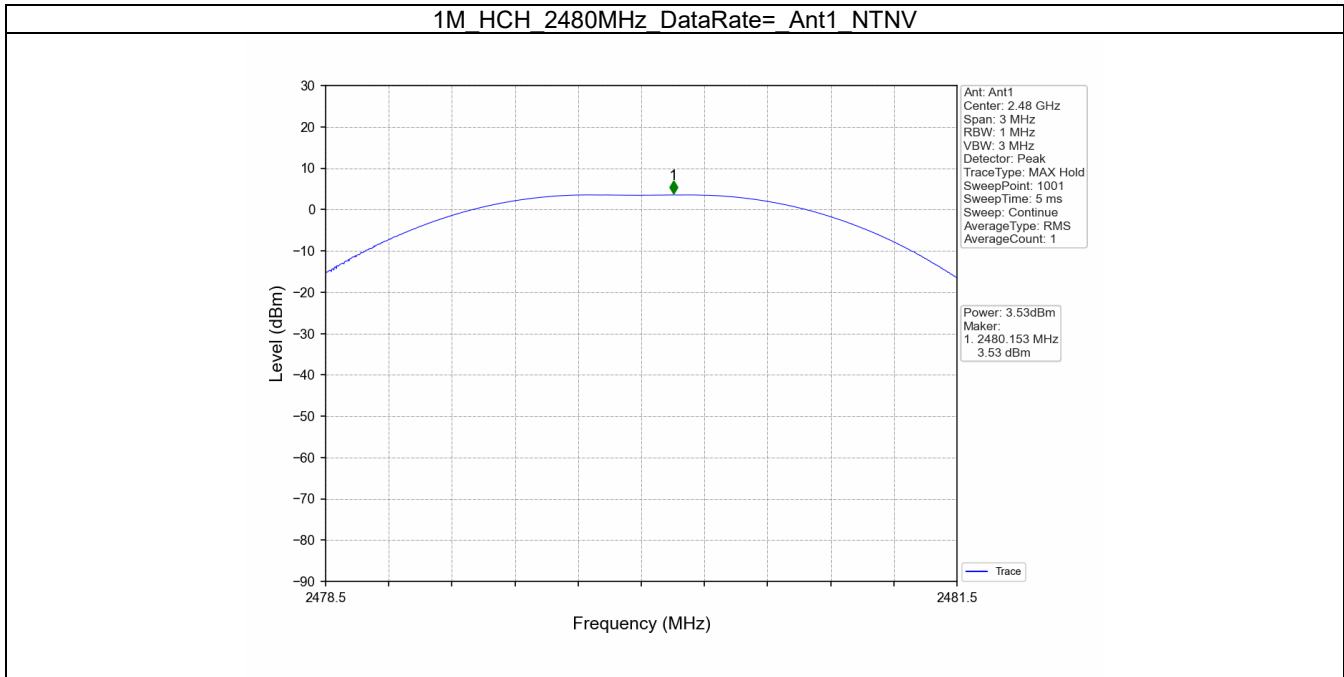


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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1M	SISO	2402	-12.26	<=8	Pass
		2440	-12.18	<=8	Pass
		2480	-12.23	<=8	Pass

Note1: Antenna Gain: Ant1: 5.19dBi;

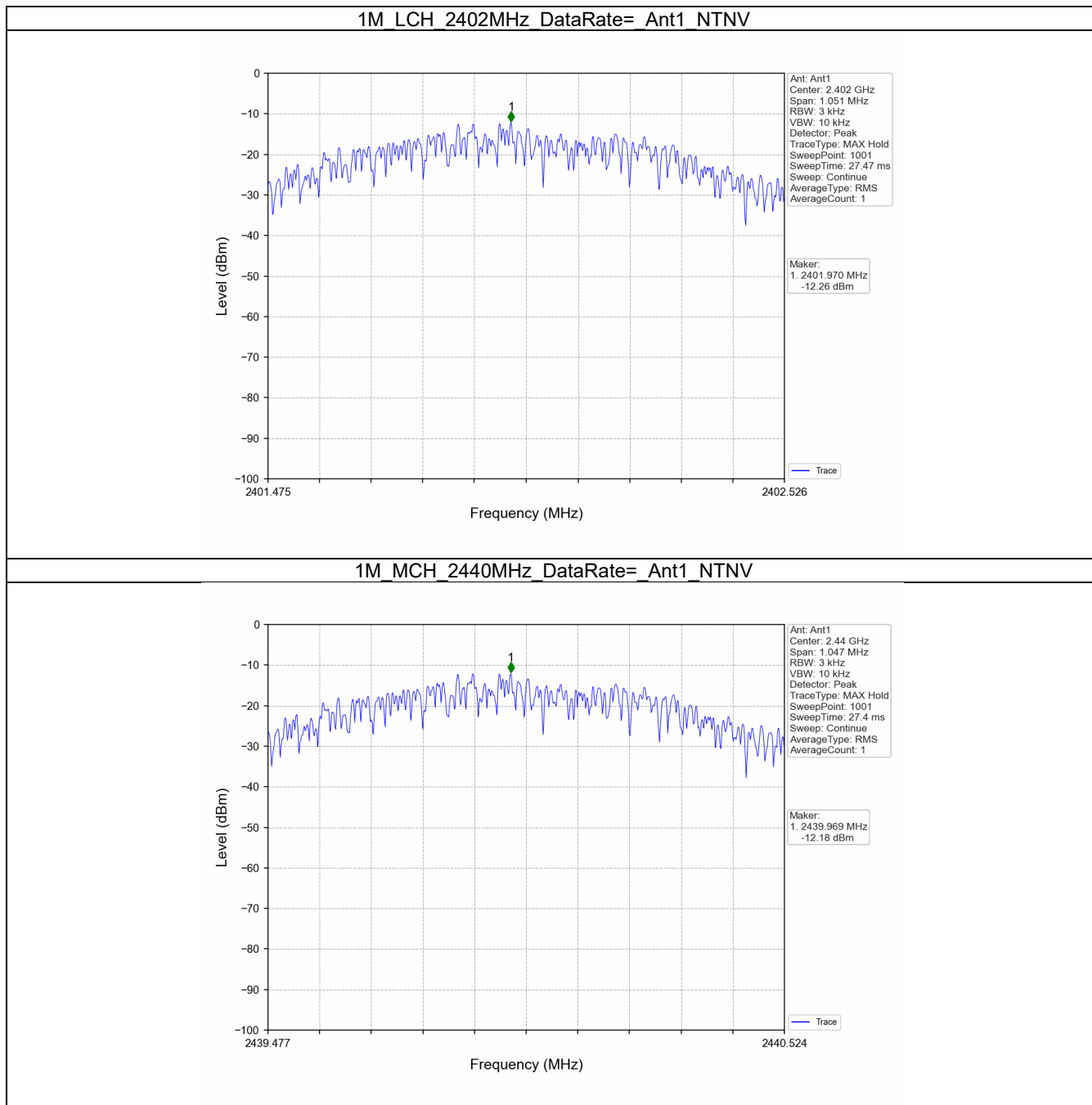


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4.1.2 Test Graph



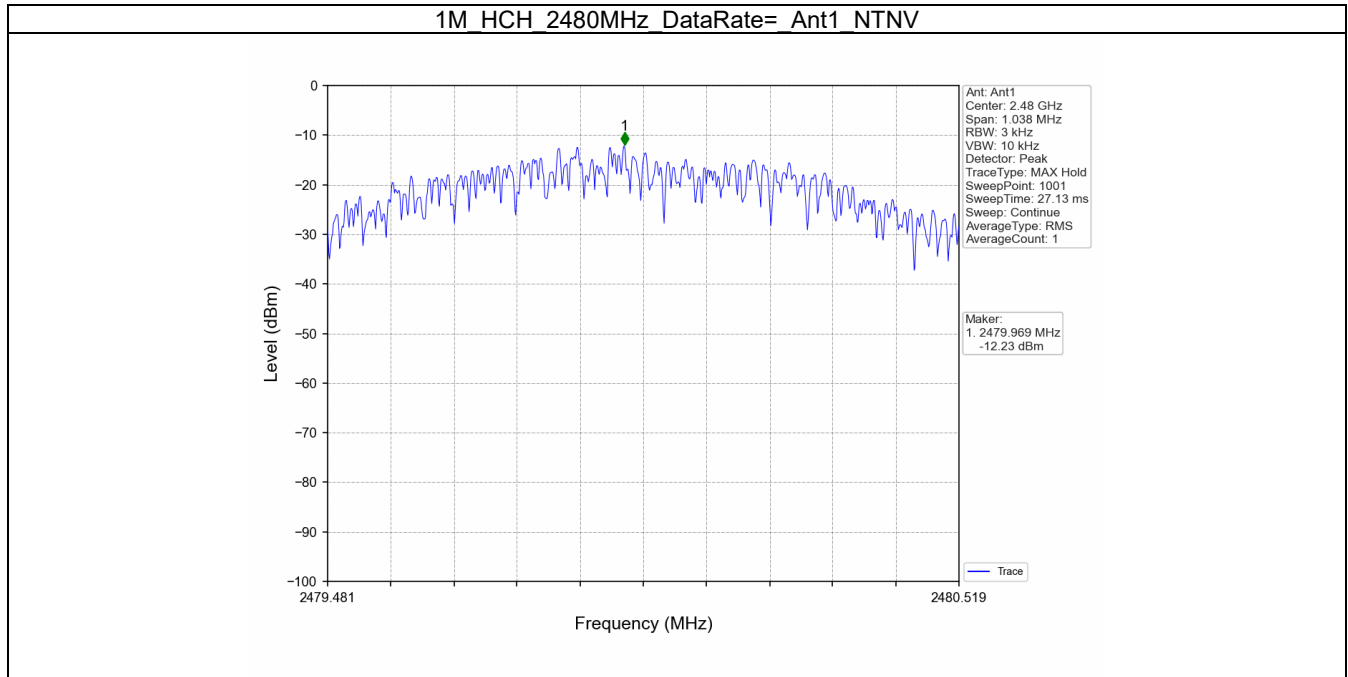
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
1M	SISO	2402	1	2.54
		2440	1	2.88
		2480	1	2.59

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.



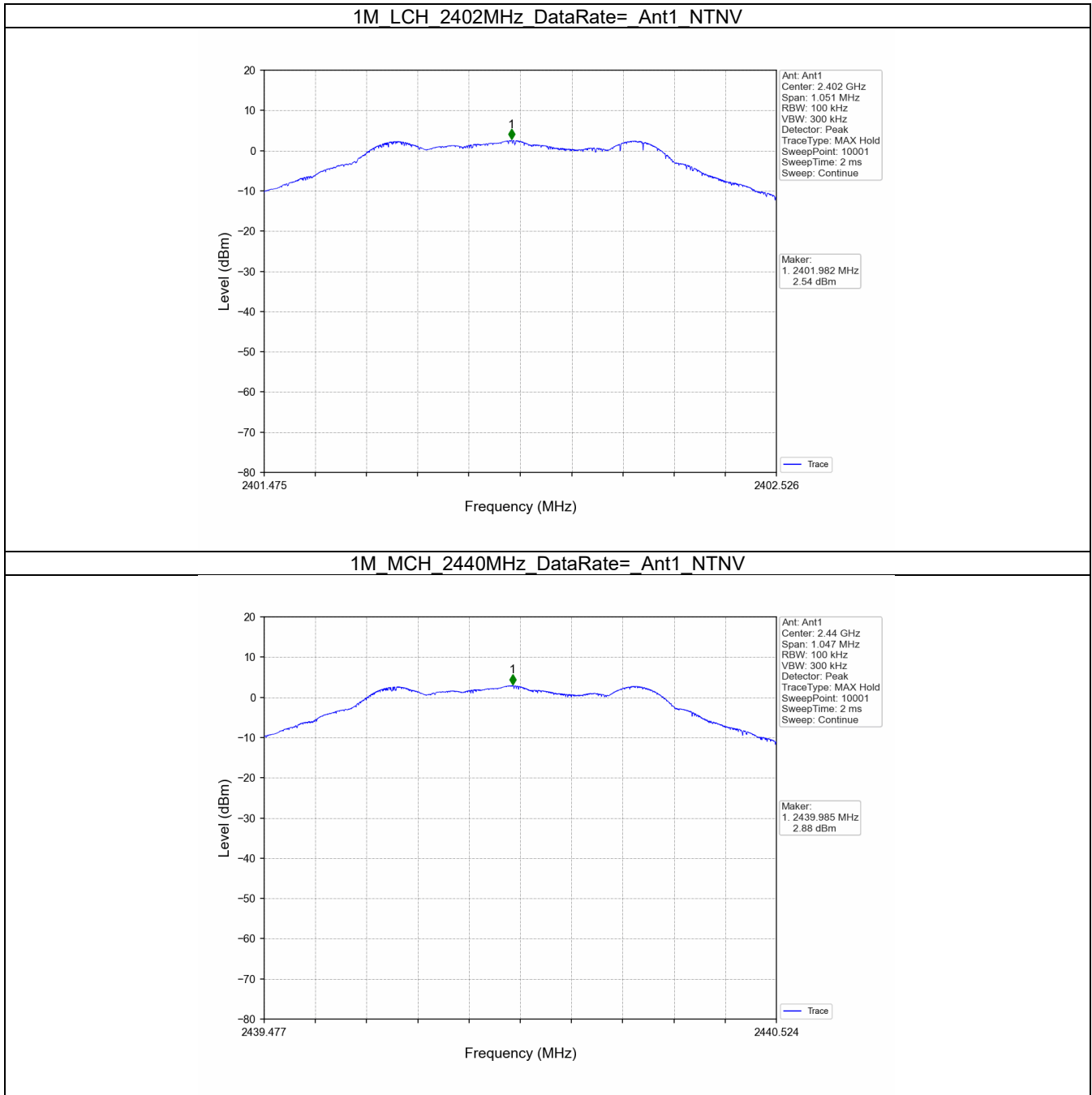
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5.1.2 Test Graph

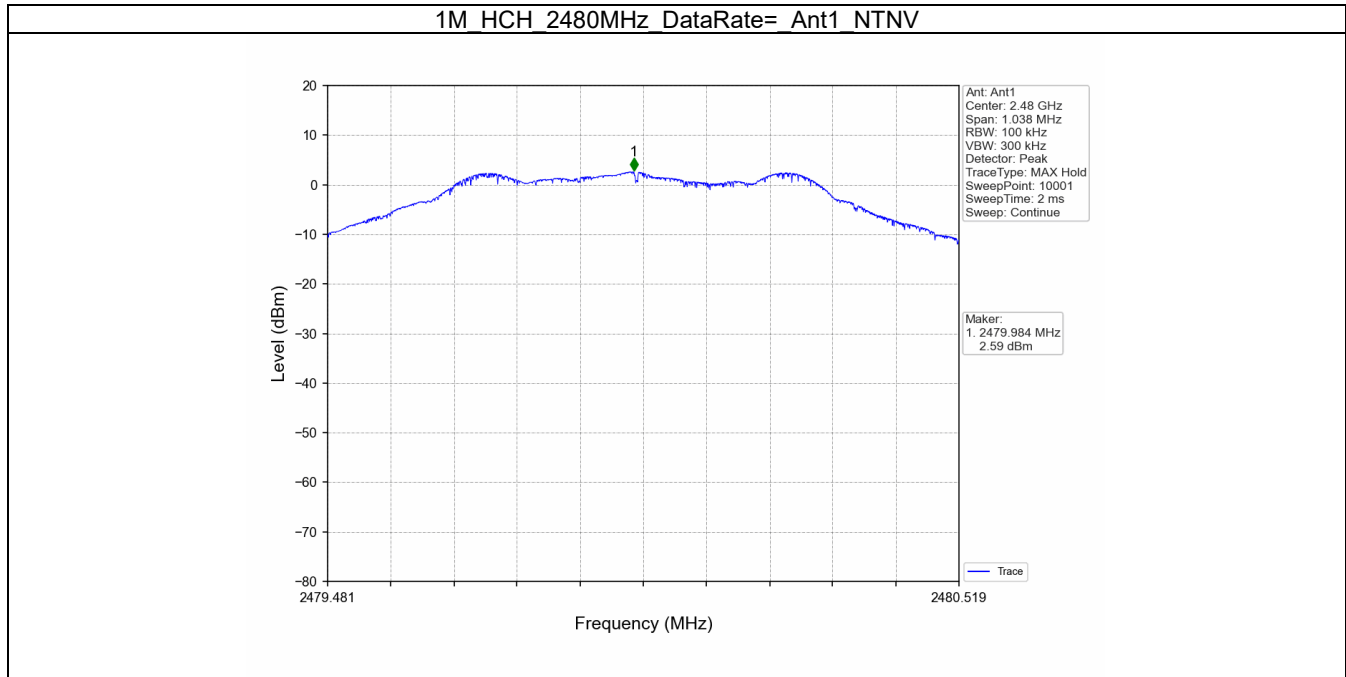


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5.2 CSE

5.2.1 Test Result

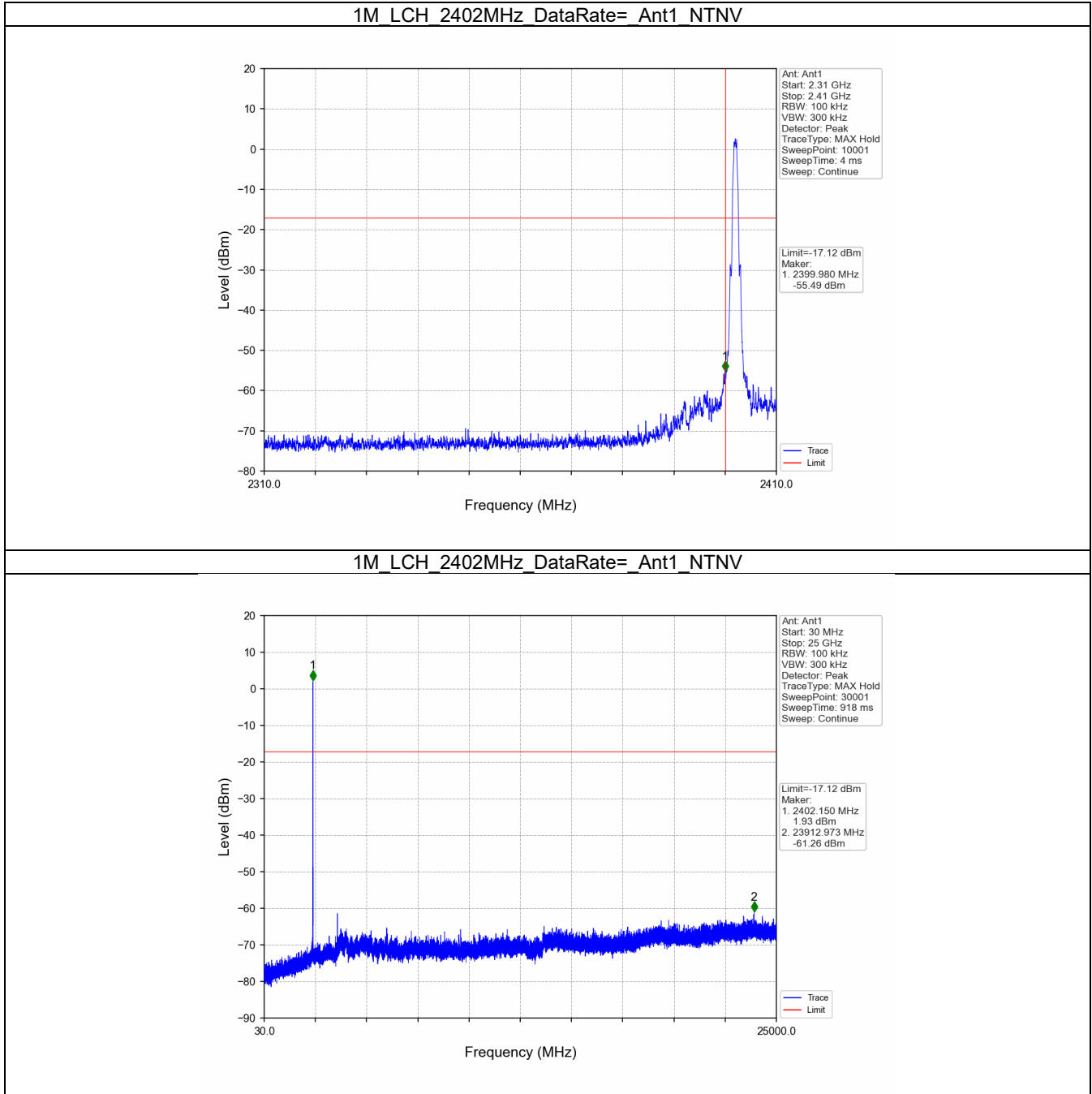
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.88	-17.12	Pass
		2440	1	2.88	-17.12	Pass
		2480	1	2.88	-17.12	Pass

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.



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5.2.2 Test Graph



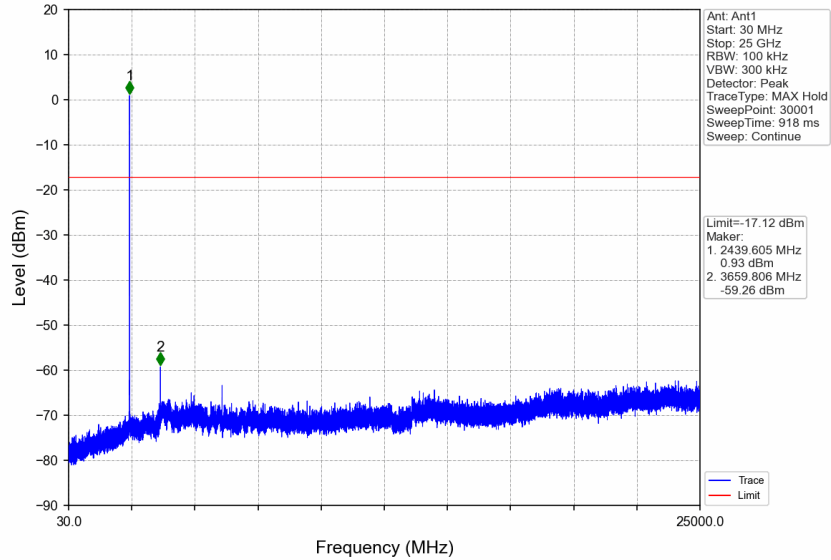
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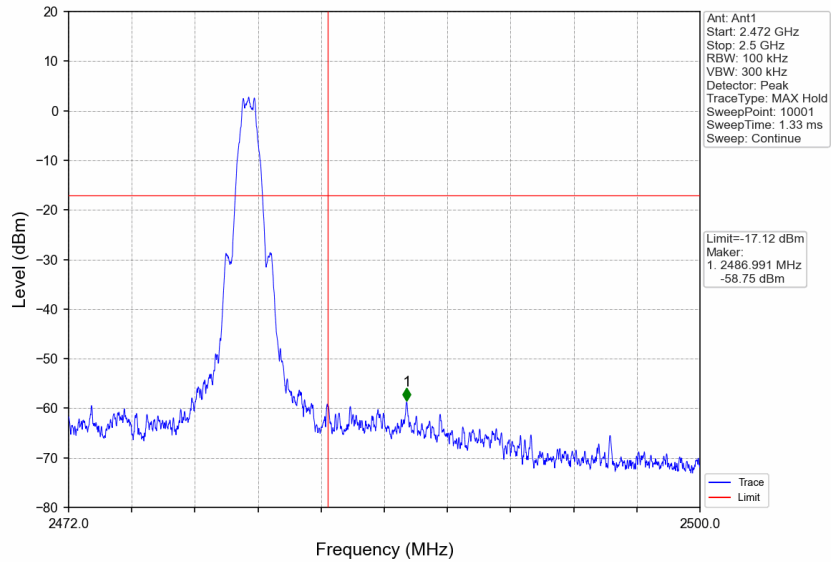
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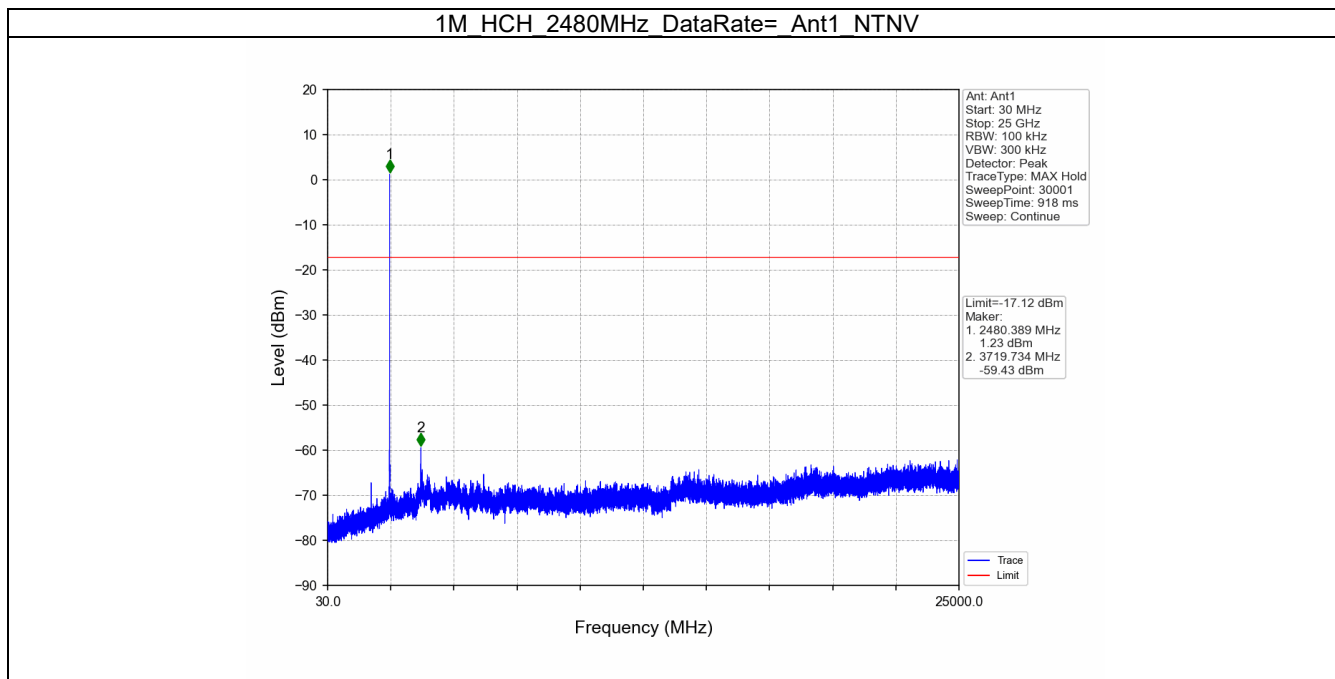
1M_MCH_2440MHz_DataRate= Ant1_NTNV



1M_HCH_2480MHz_DataRate= Ant1_NTNV



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