

Appendix D for SHCR220300054801-FCC-8M

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 (%)
OFDM	SISO	908	0.484	12.330	3.93	14.06	3.31
		916	0.480	17.880	2.68	15.71	4.76
		924	0.483	12.327	3.92	14.07	3.56



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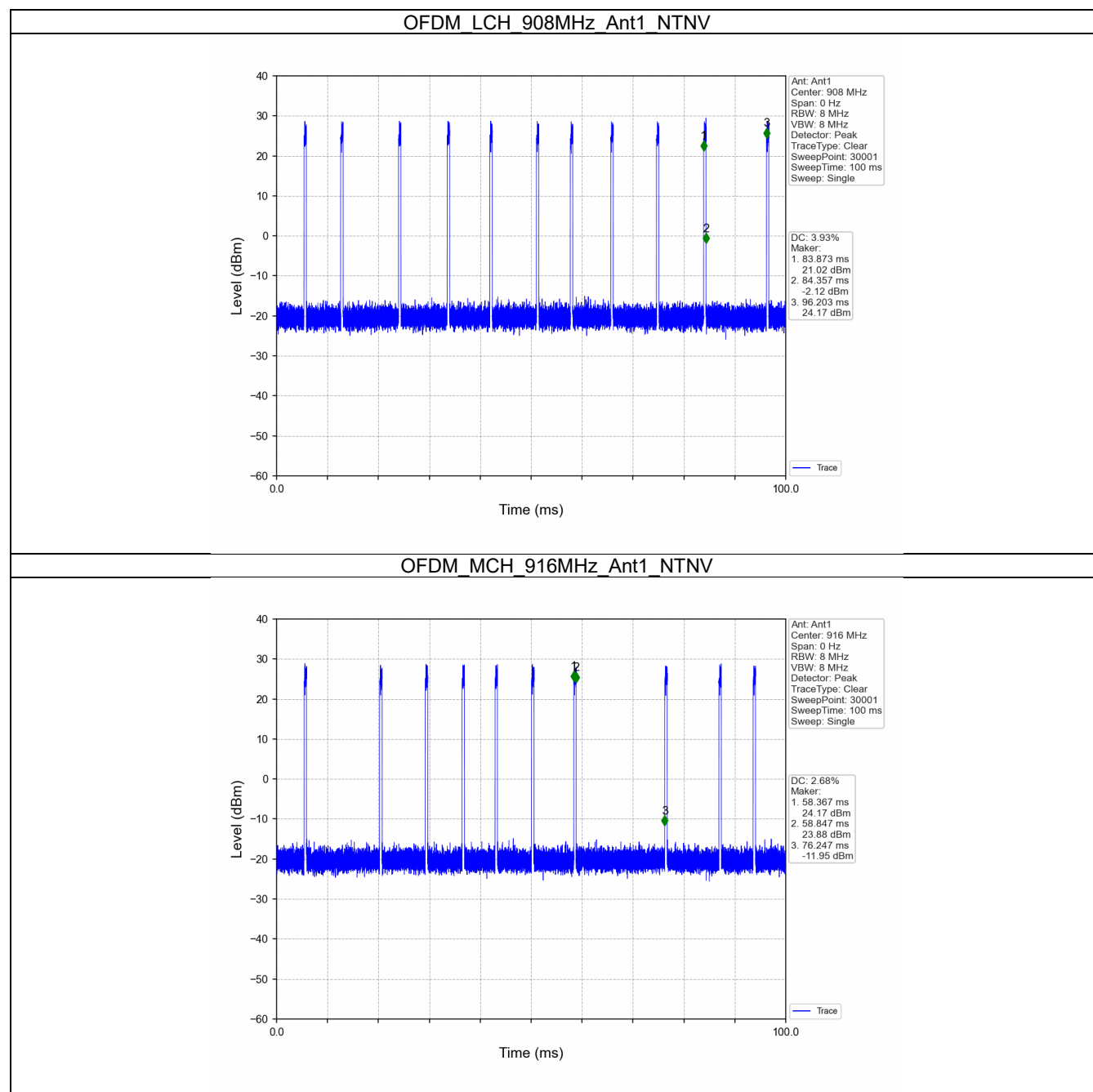
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1.1.2 Test Graph



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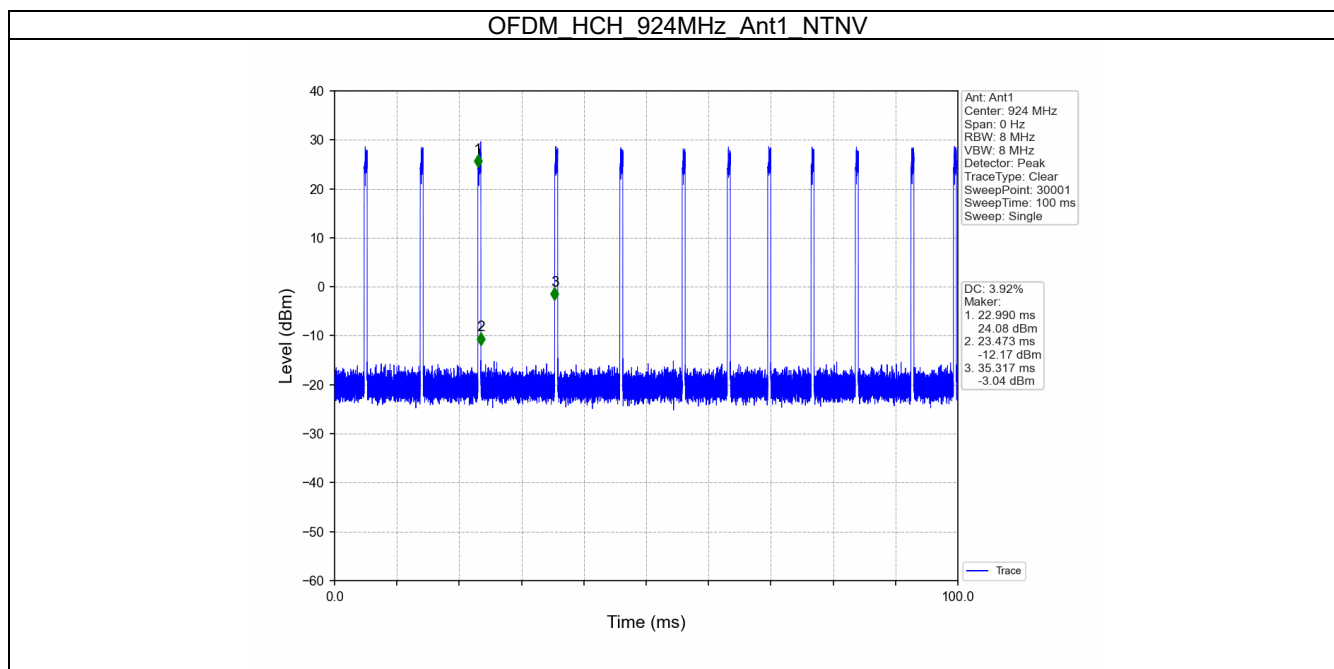
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
OFDM	SISO	908	1	7.651	Pass
		916	1	7.657	Pass
		924	1	7.657	Pass



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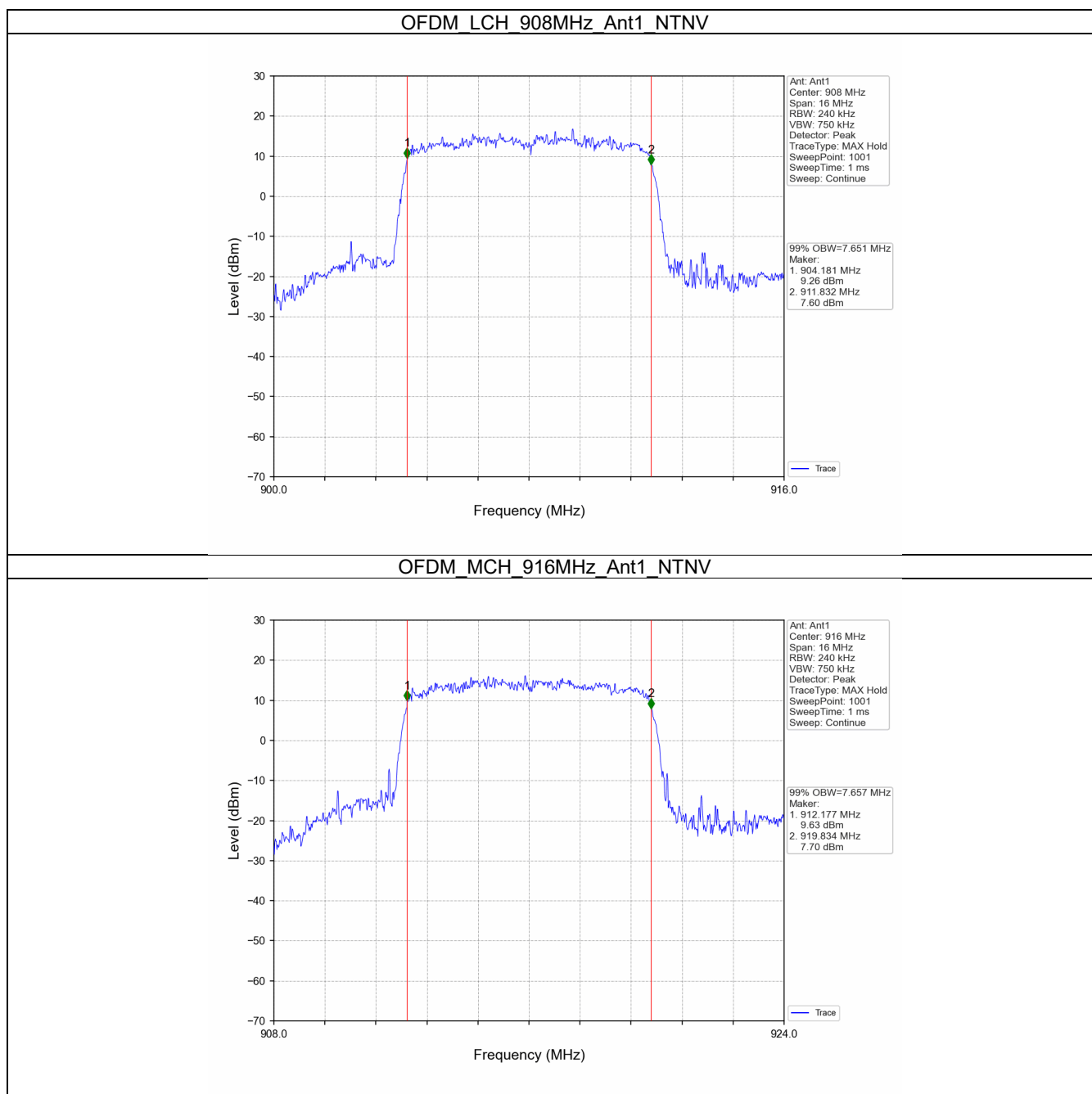
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2.1.2 Test Graph



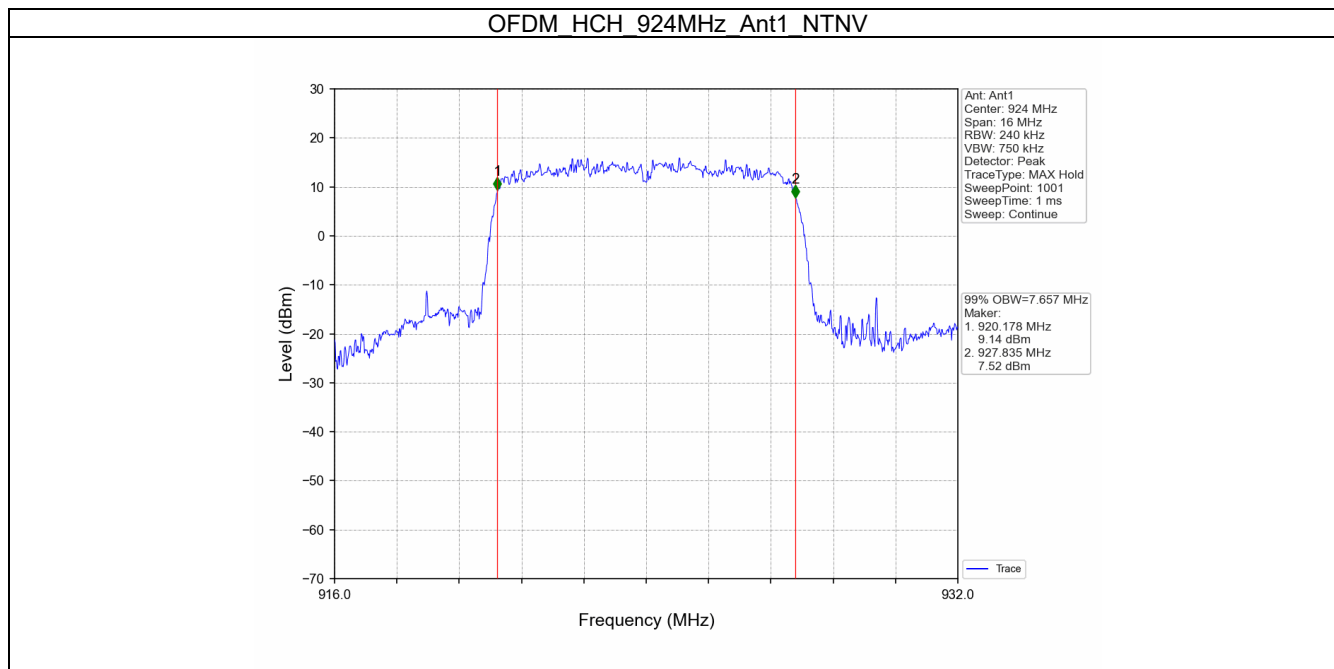
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
OFDM	SISO	908	1	7.576	≥ 0.5	Pass
		916	1	7.530	≥ 0.5	Pass
		924	1	7.598	≥ 0.5	Pass



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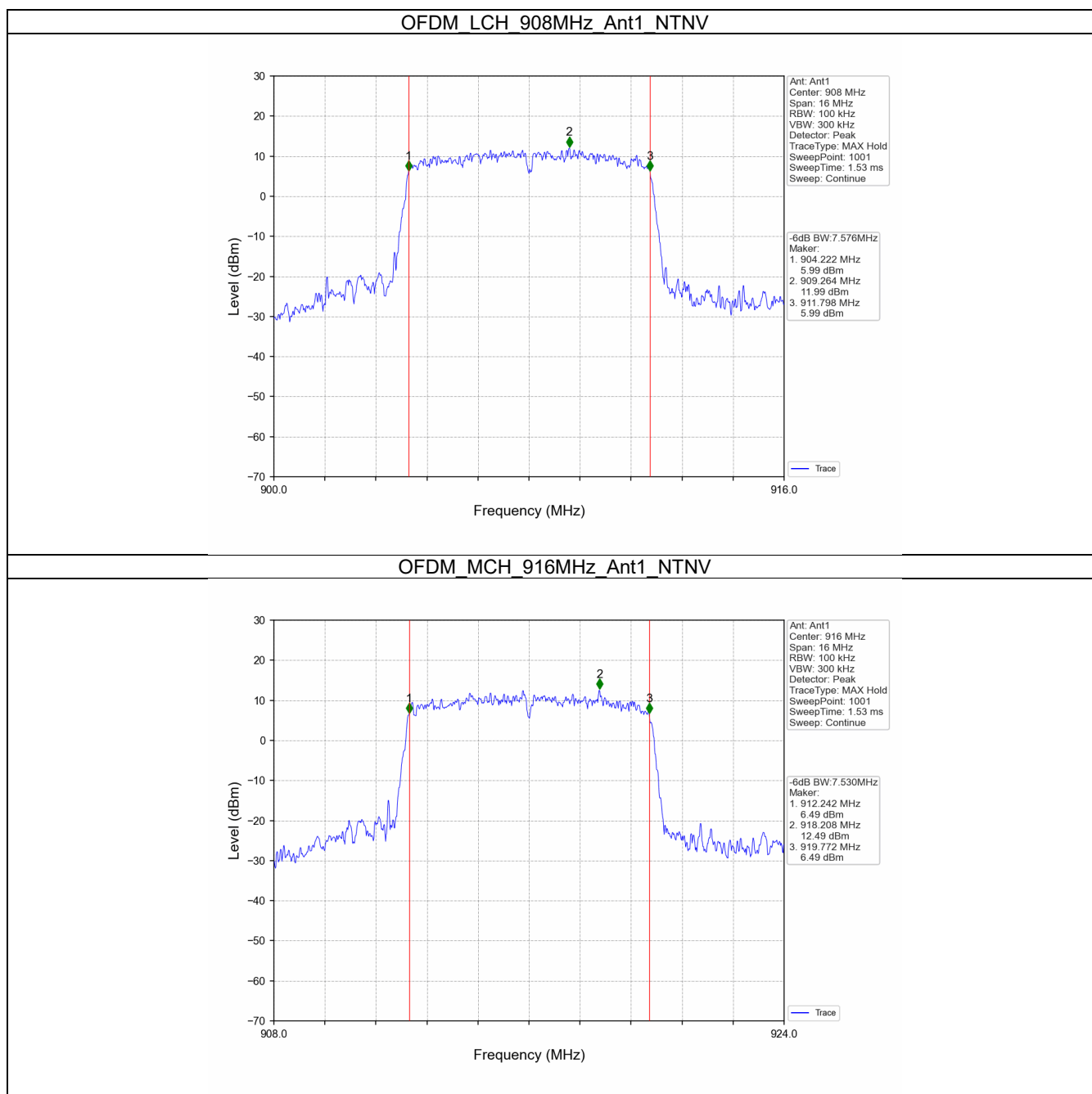
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2.2.2 Test Graph



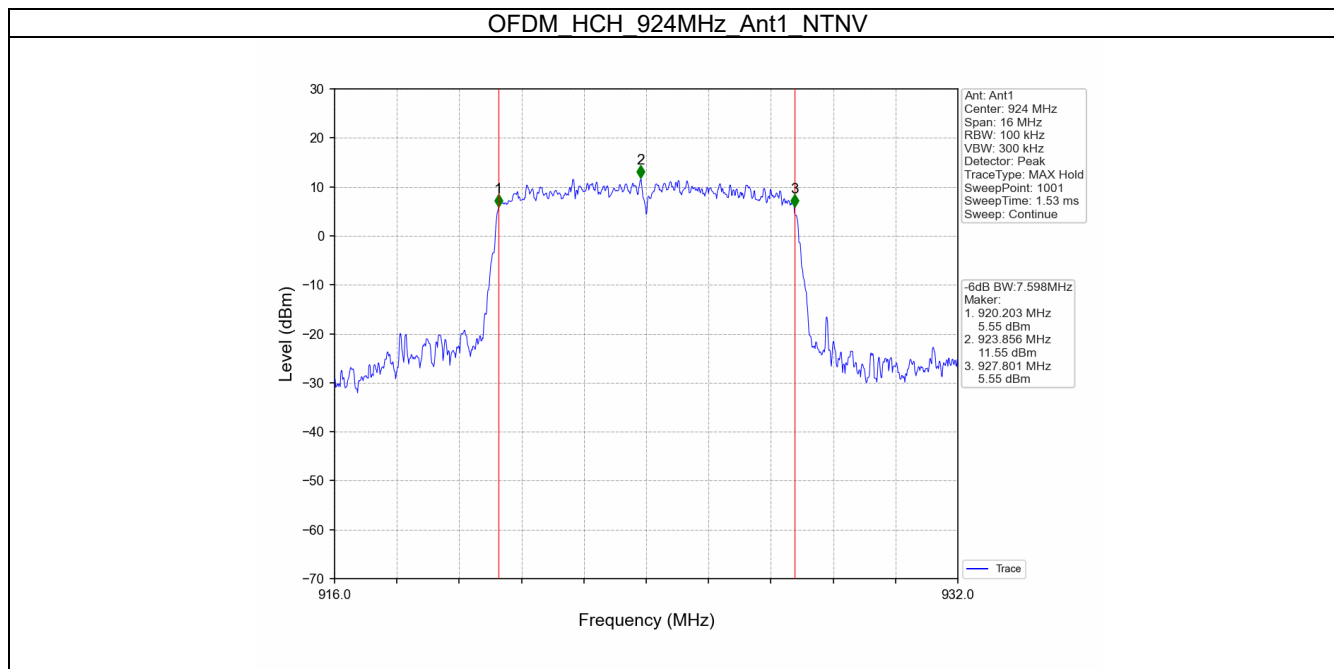
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
OFDM	SISO	908	26.09	<=30	Pass
		916	26.17	<=30	Pass
		924	25.99	<=30	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



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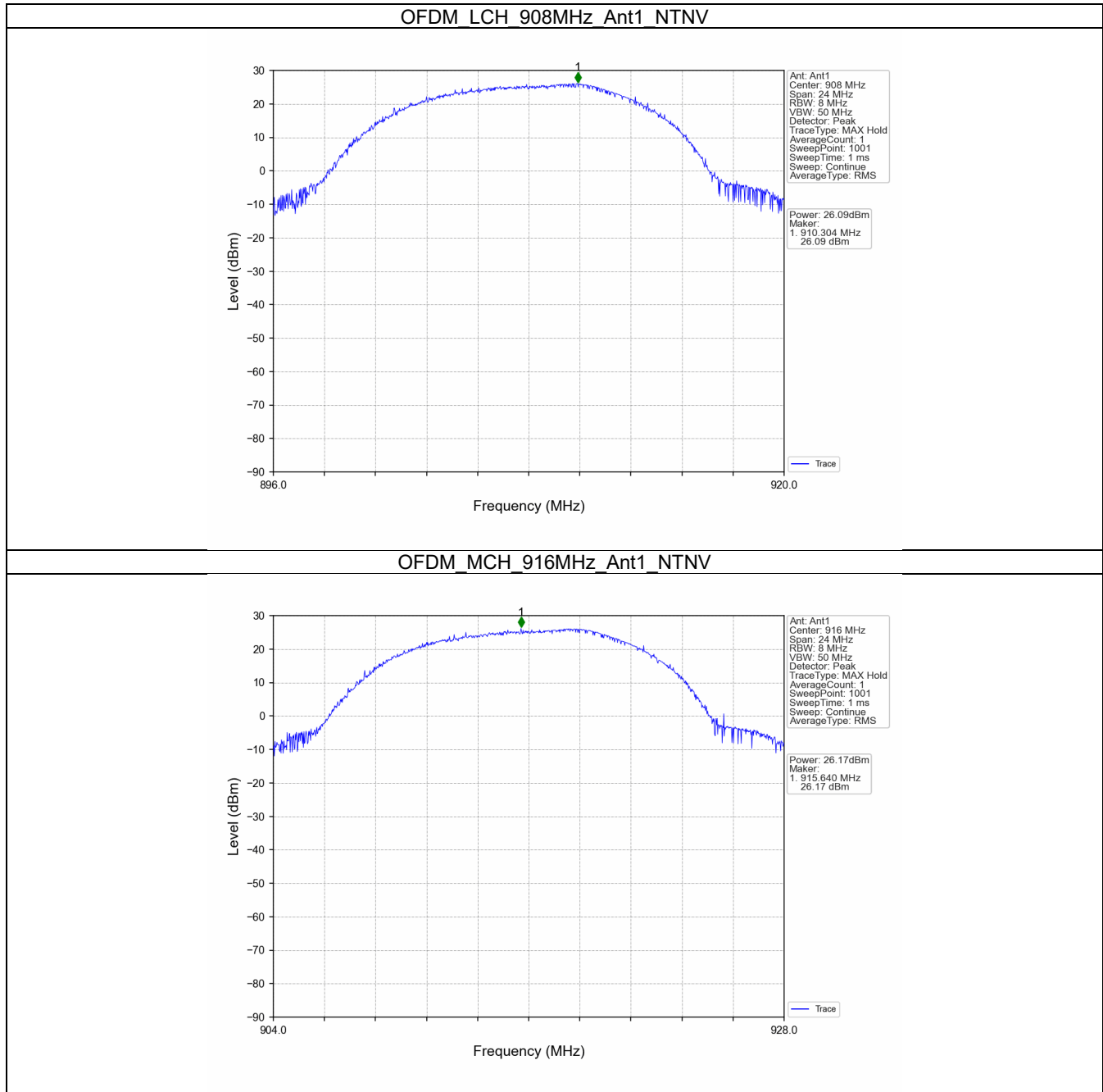
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3.1.2 Test Graph



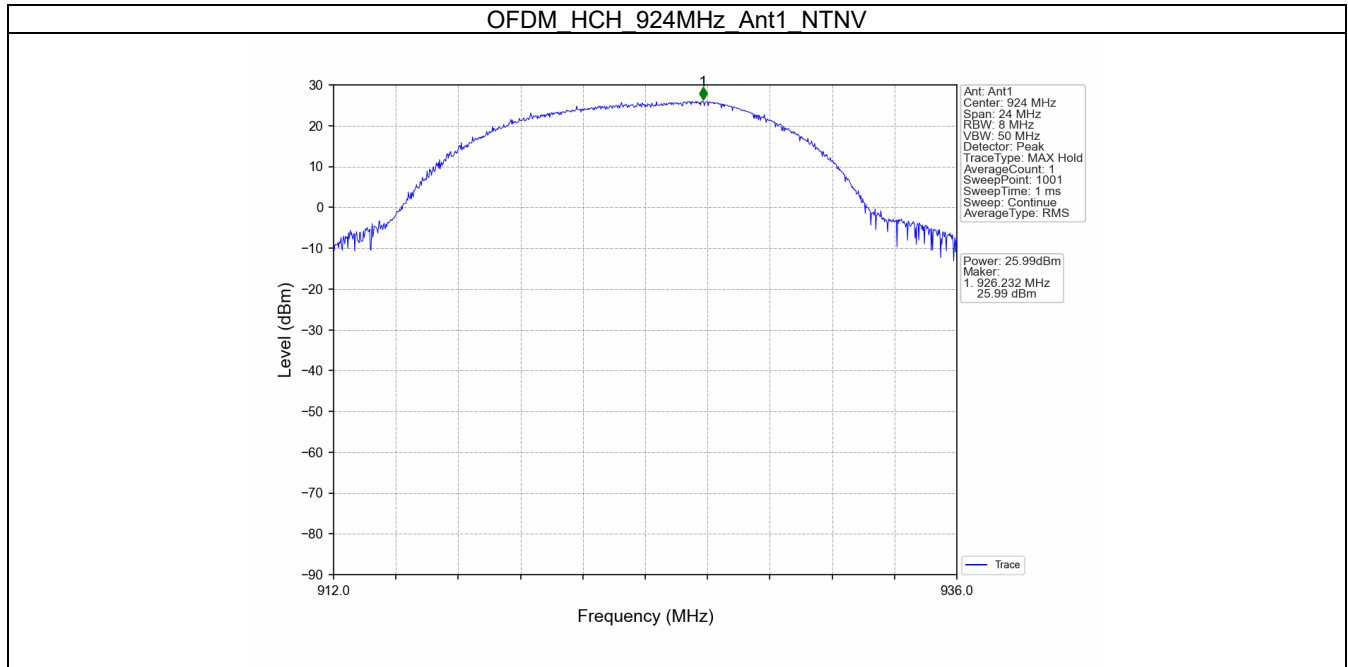
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
OFDM	SISO	908	-4.47	<=8	Pass
		916	-4.59	<=8	Pass
		924	-4.68	<=8	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



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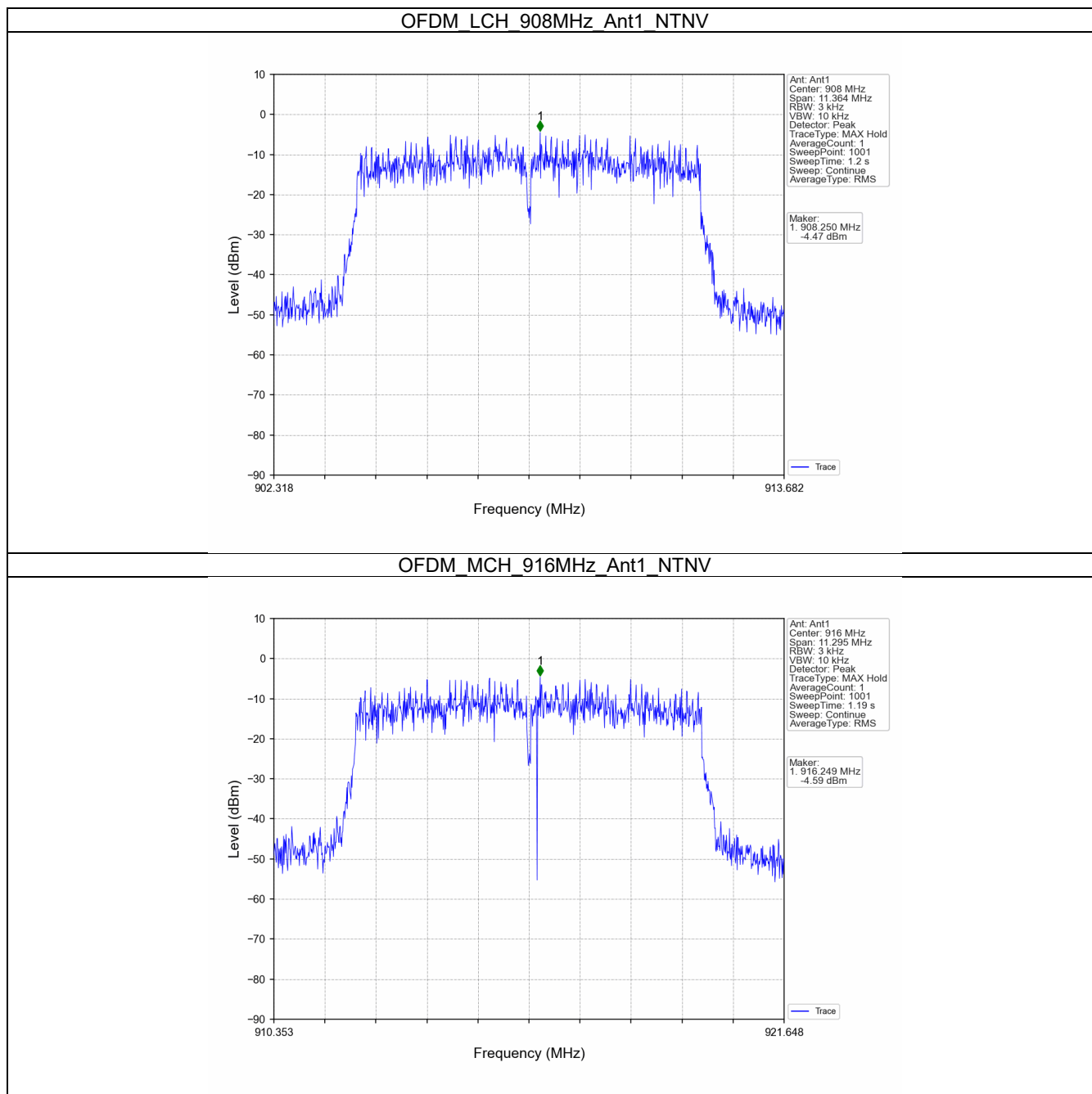
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4.1.2 Test Graph



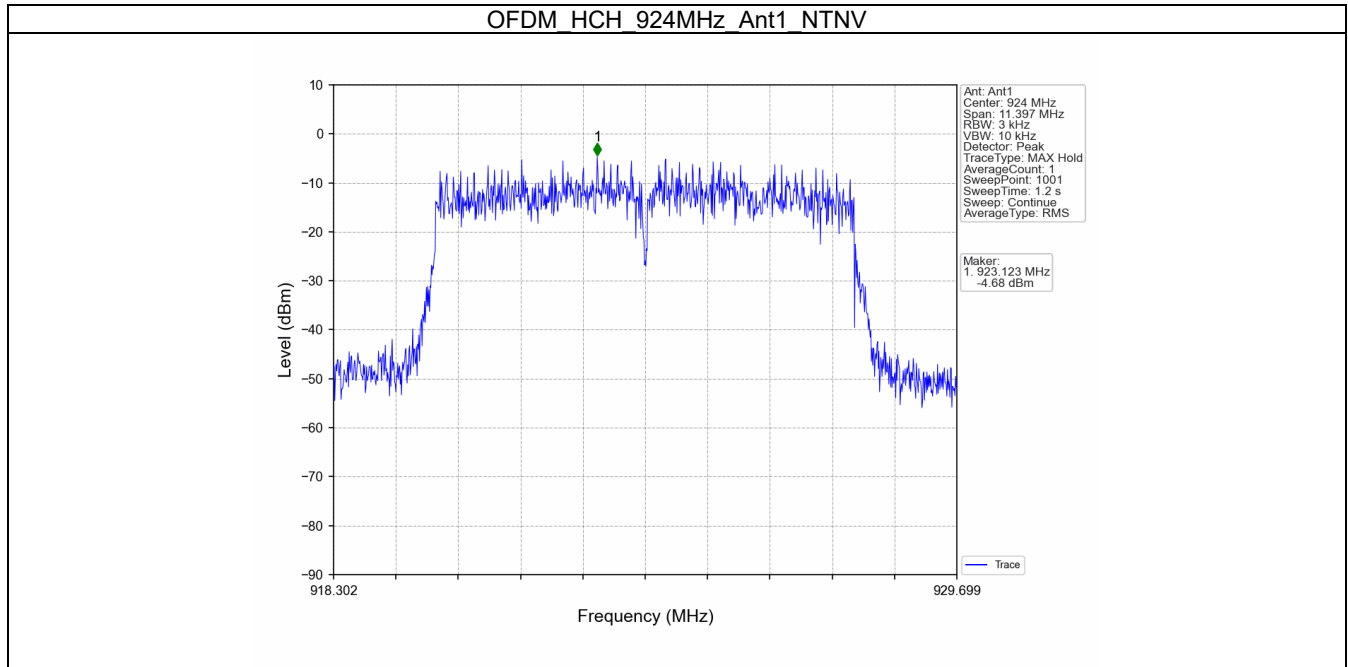
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
OFDM	SISO	908	1	-2.32
		916	1	-1.85
		924	1	-2.02

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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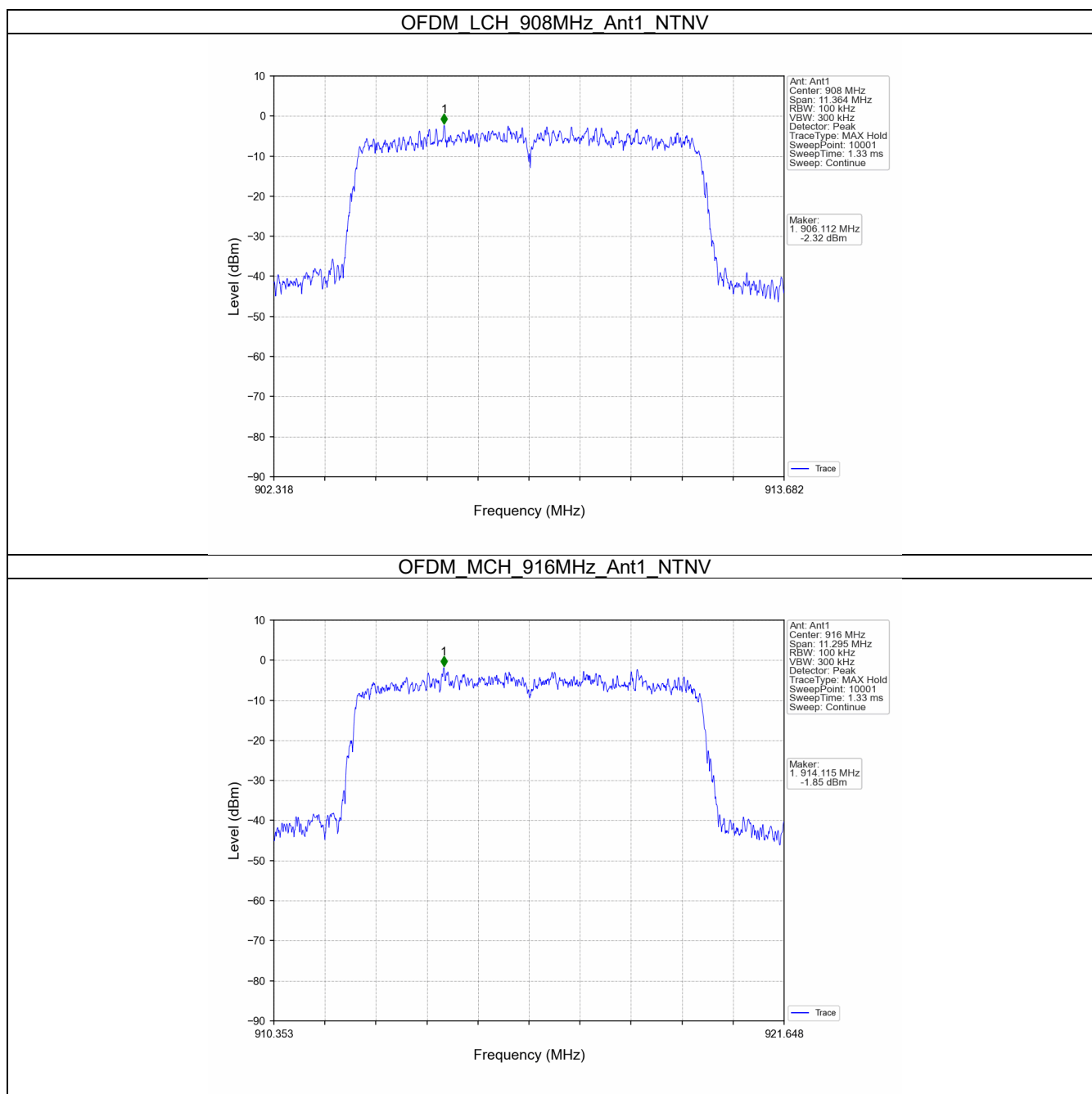
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5.1.2 Test Graph



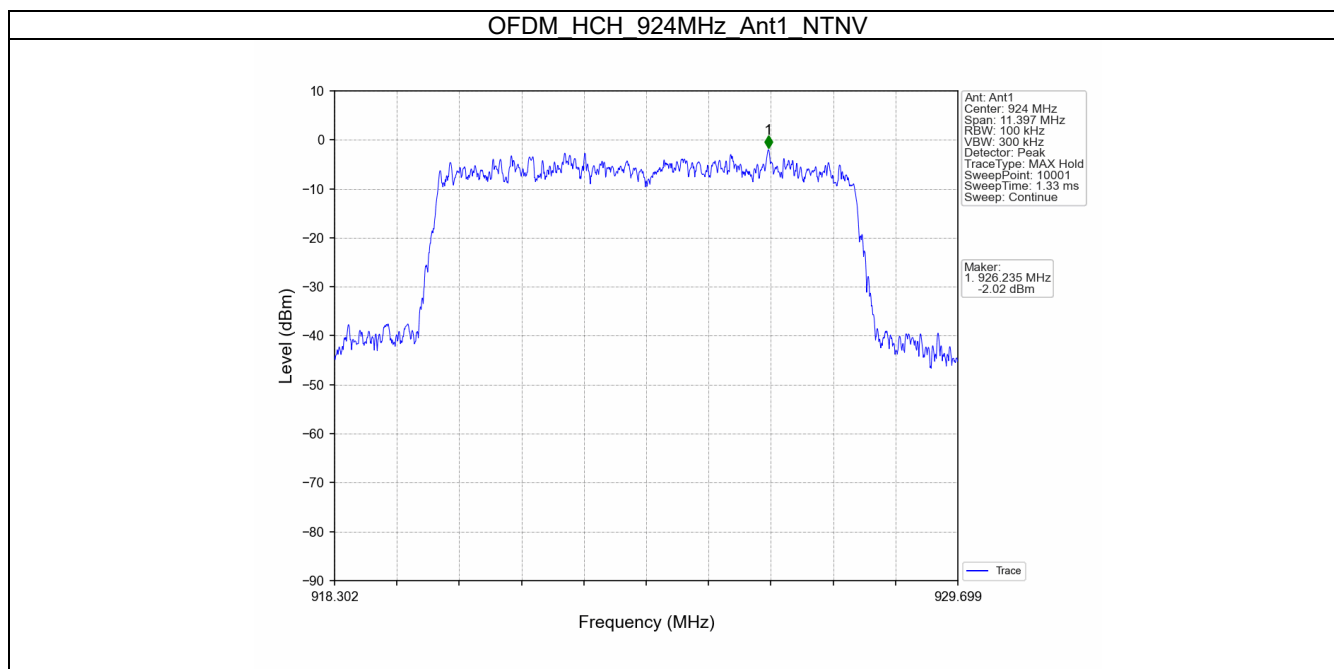
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
OFDM	SISO	908	1	-1.85	-21.85	Pass
		916	1	-1.85	-21.85	Pass
		924	1	-1.85	-21.85	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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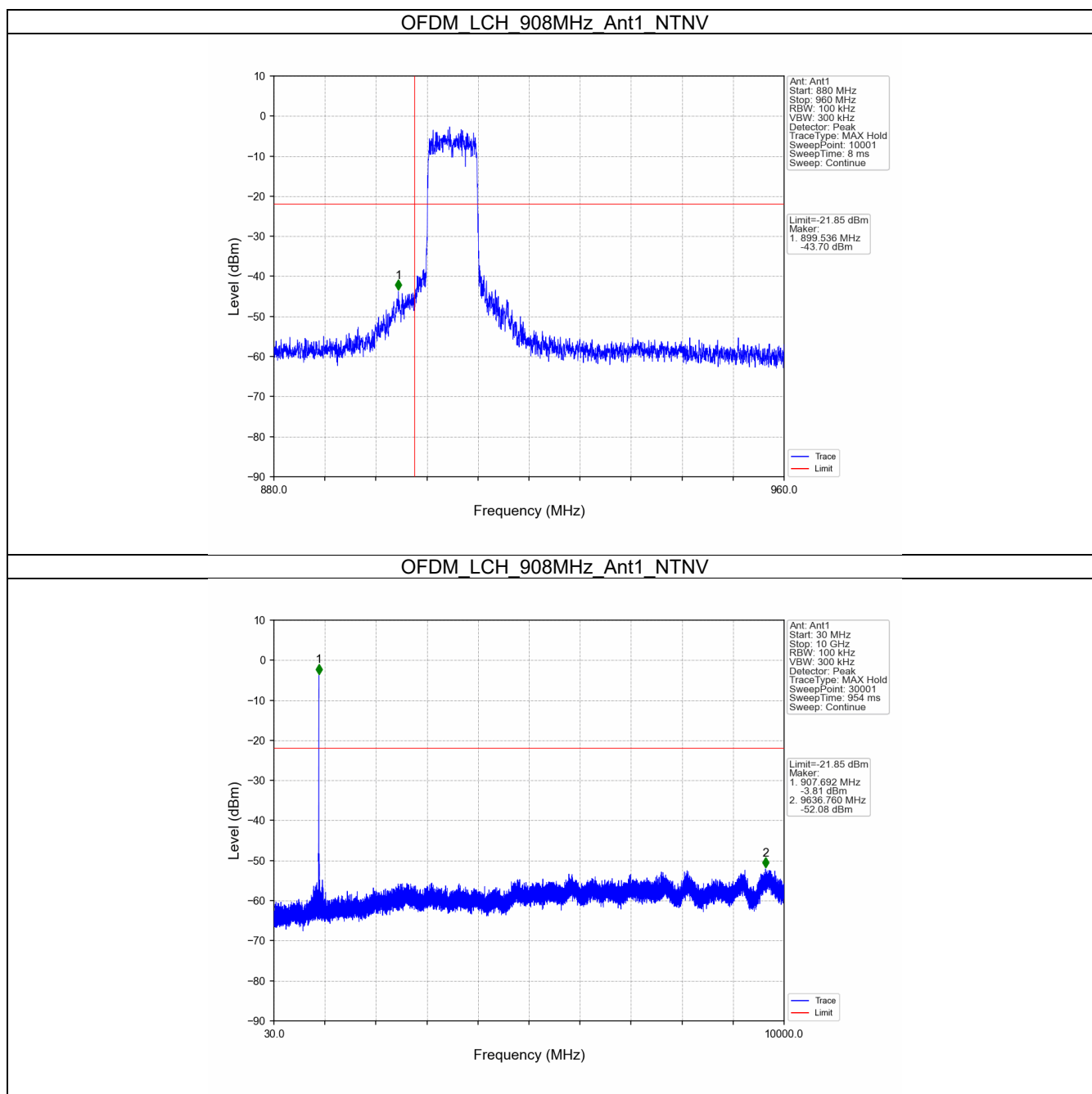
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5.2.2 Test Graph



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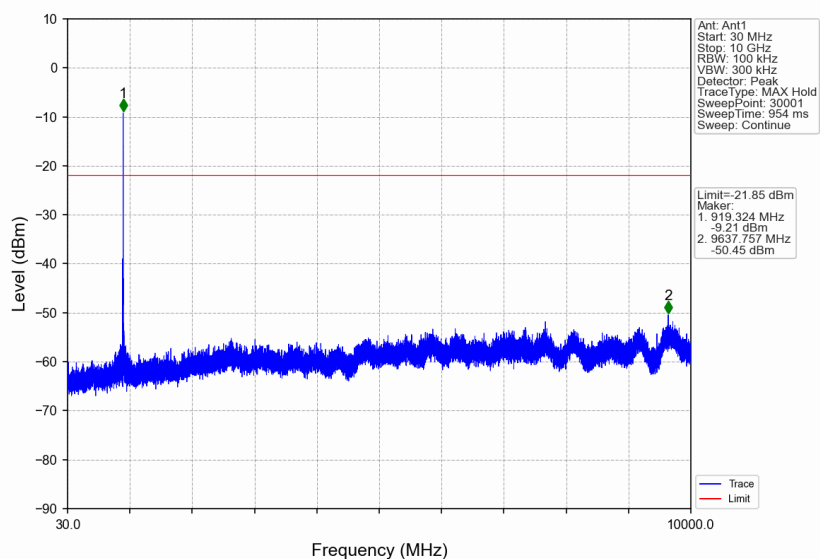
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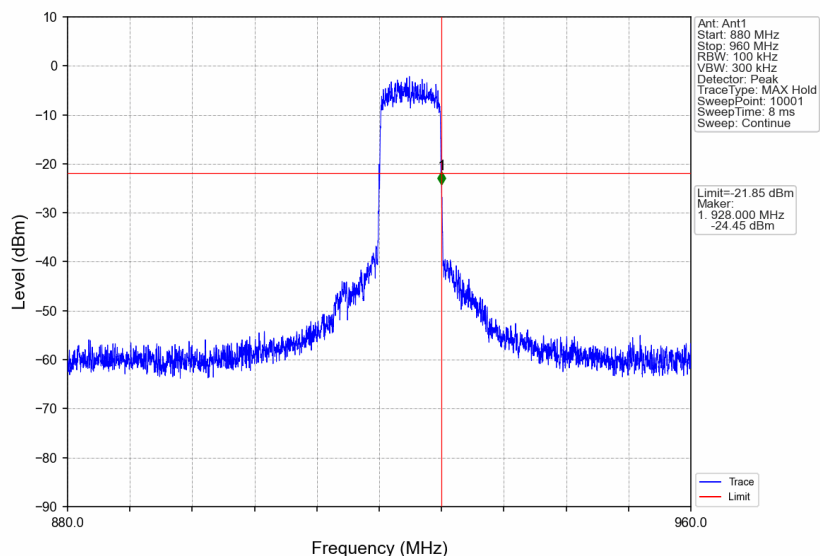
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OFDM_MCH_916MHz_Ant1_NTNV



OFDM_HCH_924MHz_Ant1_NTNV



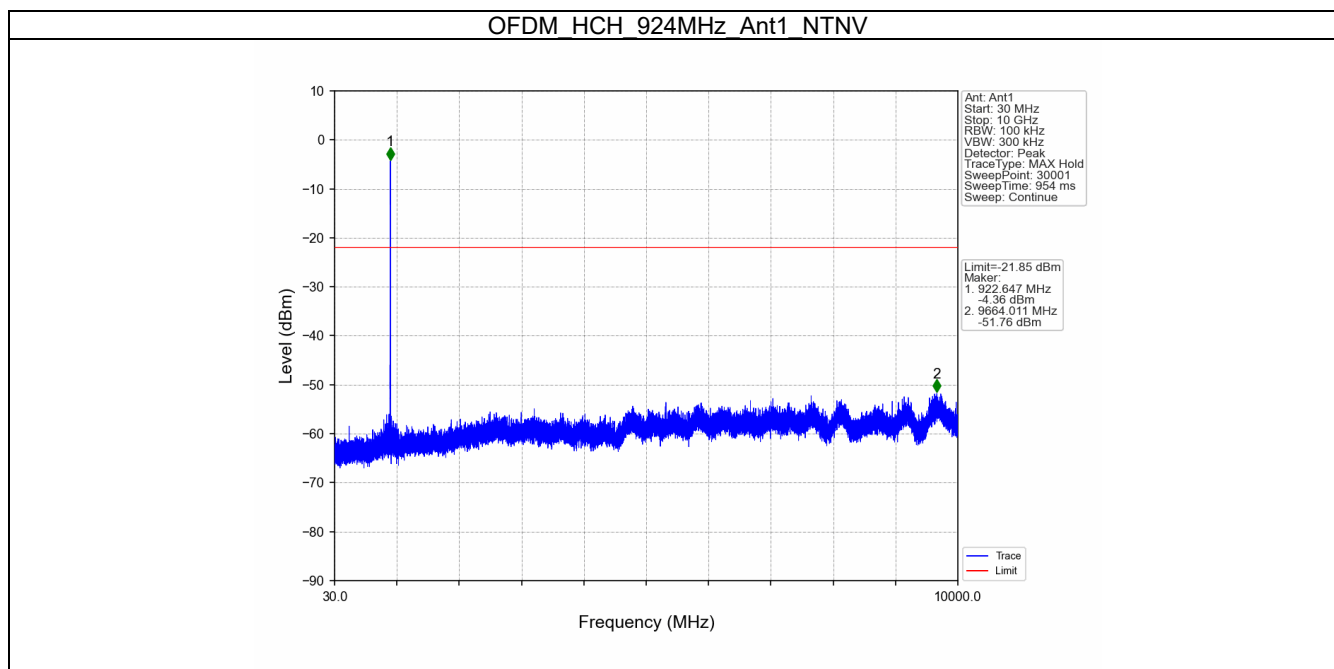
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