

Appendix D for SHCR220300055401-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	0.483	11.836	4.08	13.89	3.50
		916	0.483	12.460	3.88	14.12	3.29
		924	0.484	10.520	4.60	13.37	2.64



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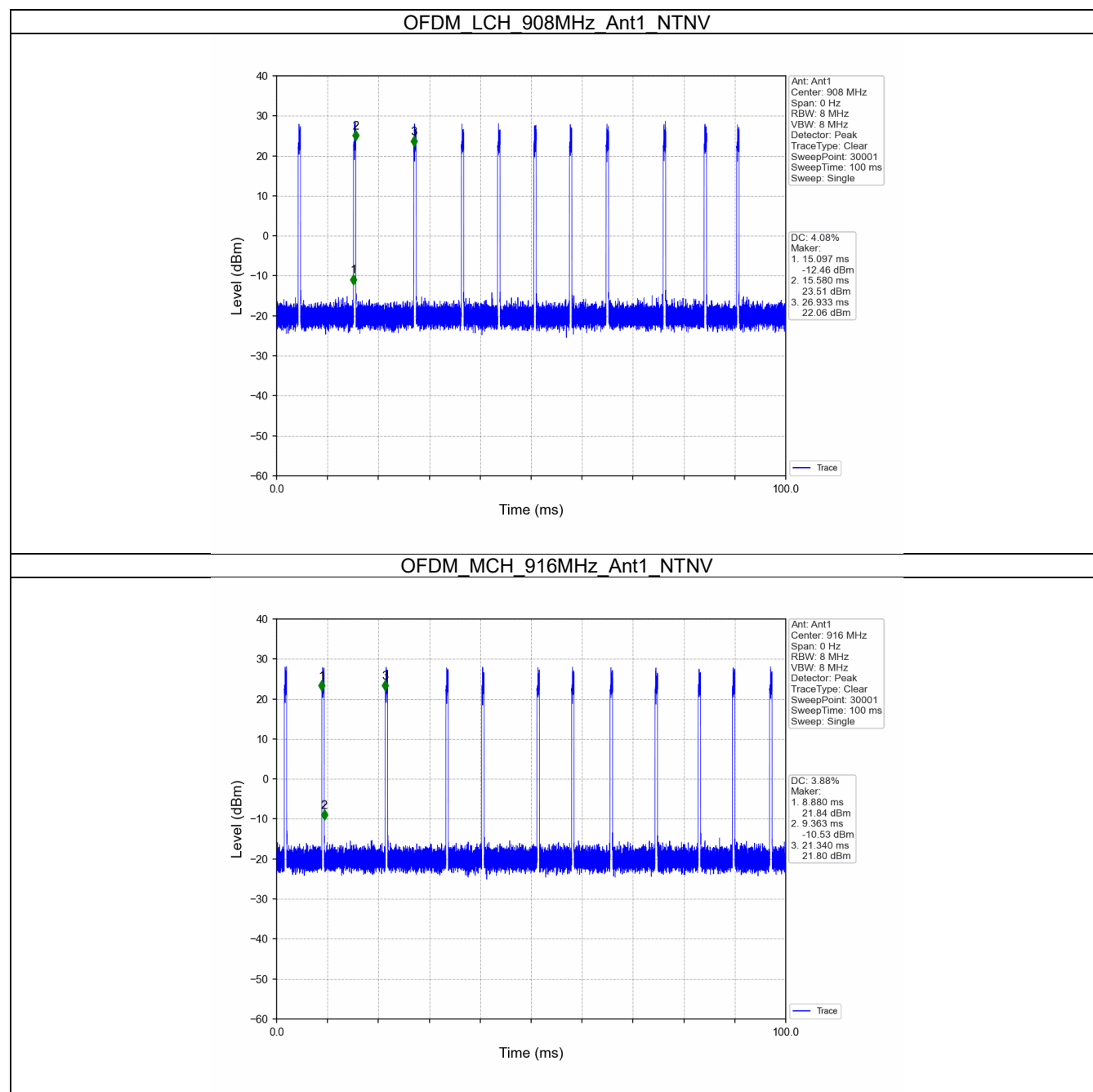
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1.1.2 Test Graph



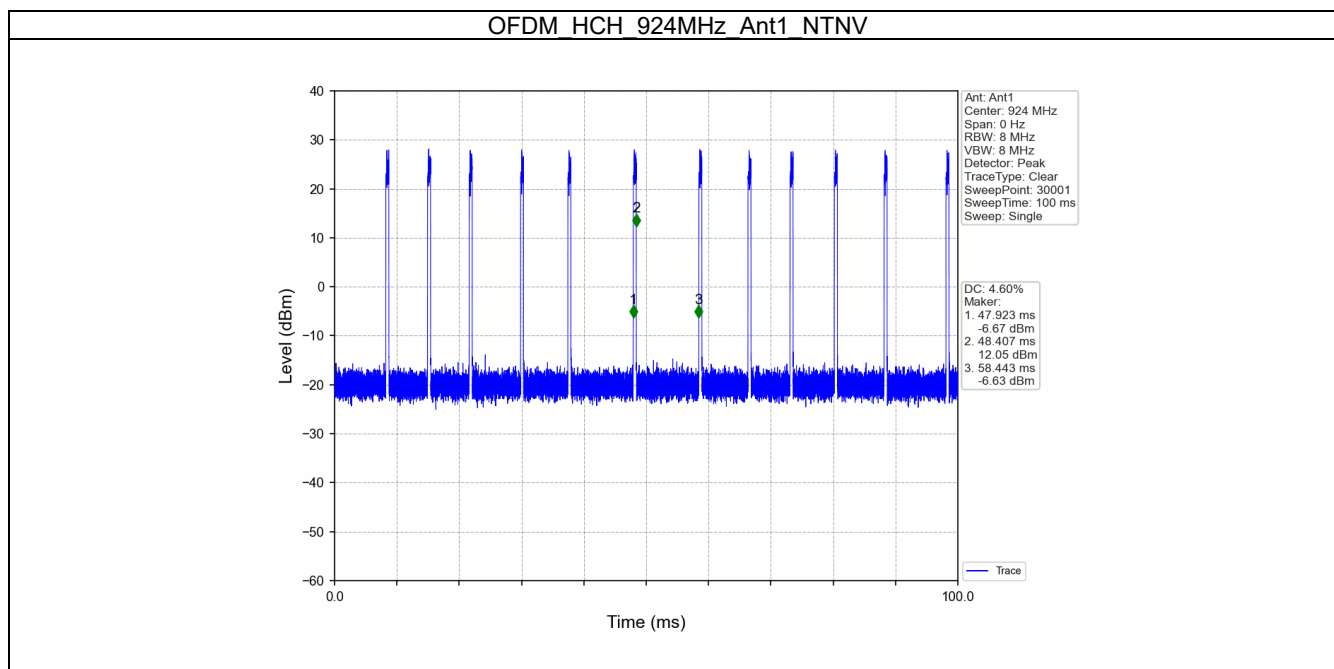
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
OFDM	SISO	908	1	7.631	Pass
		916	1	7.620	Pass
		924	1	7.642	Pass



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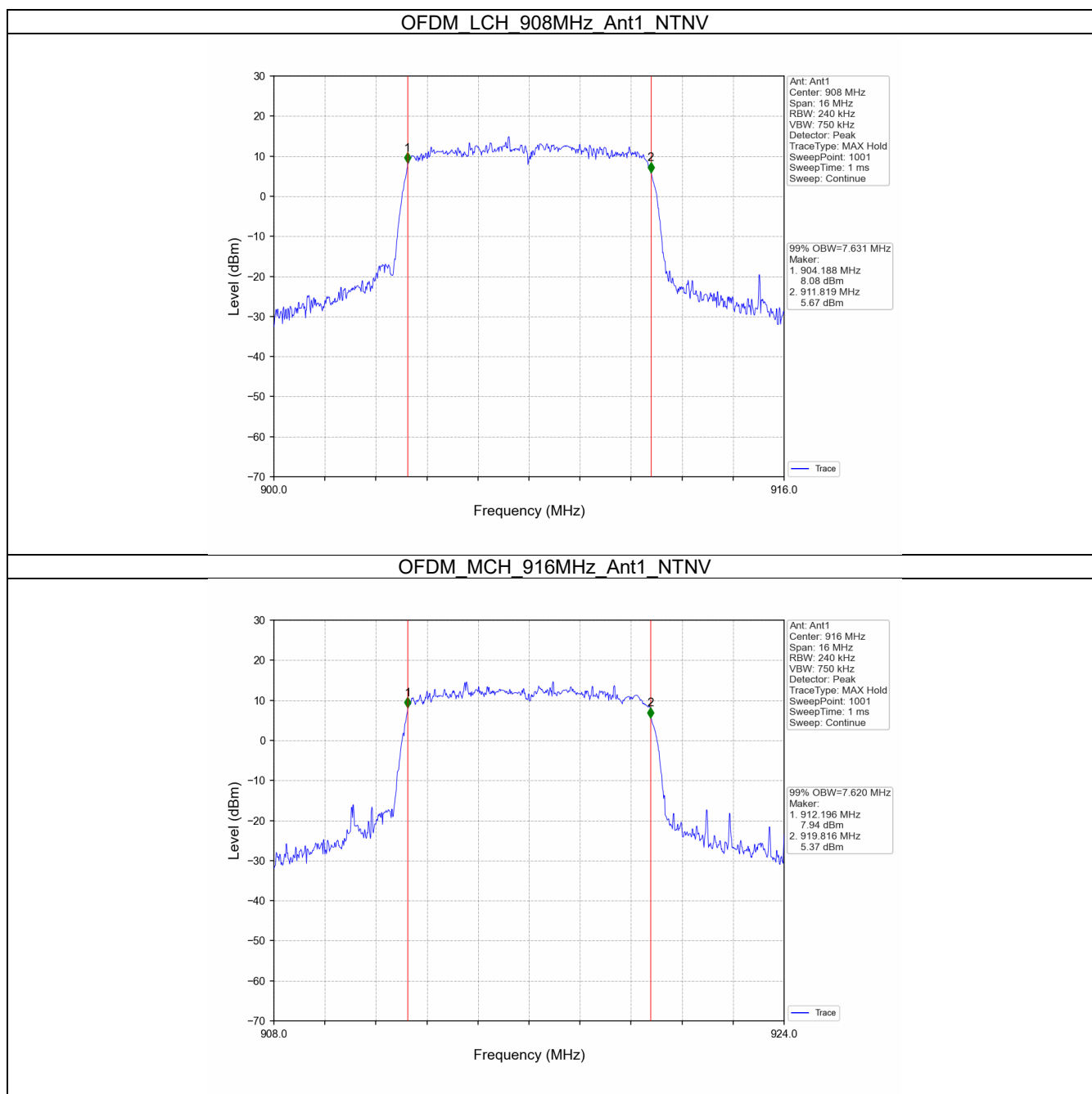
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2.1.2 Test Graph



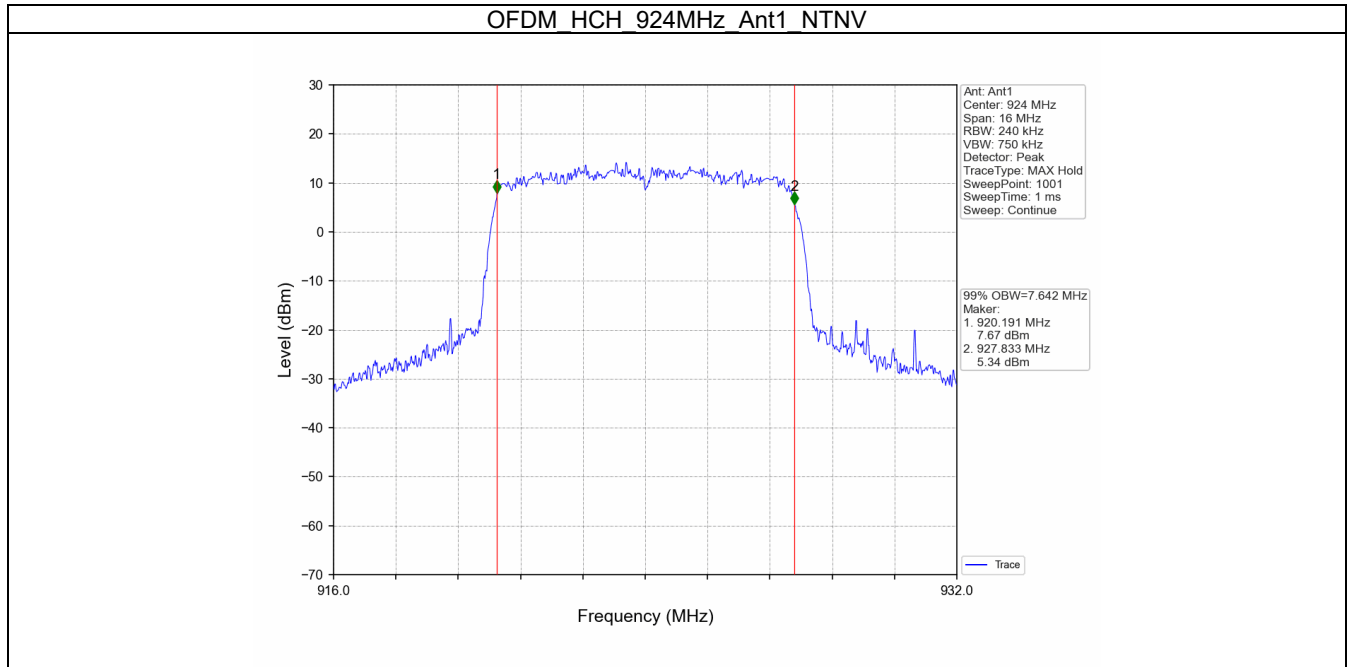
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
OFDM	SISO	908	1	7.557	≥ 0.5	Pass
		916	1	7.581	≥ 0.5	Pass
		924	1	7.568	≥ 0.5	Pass



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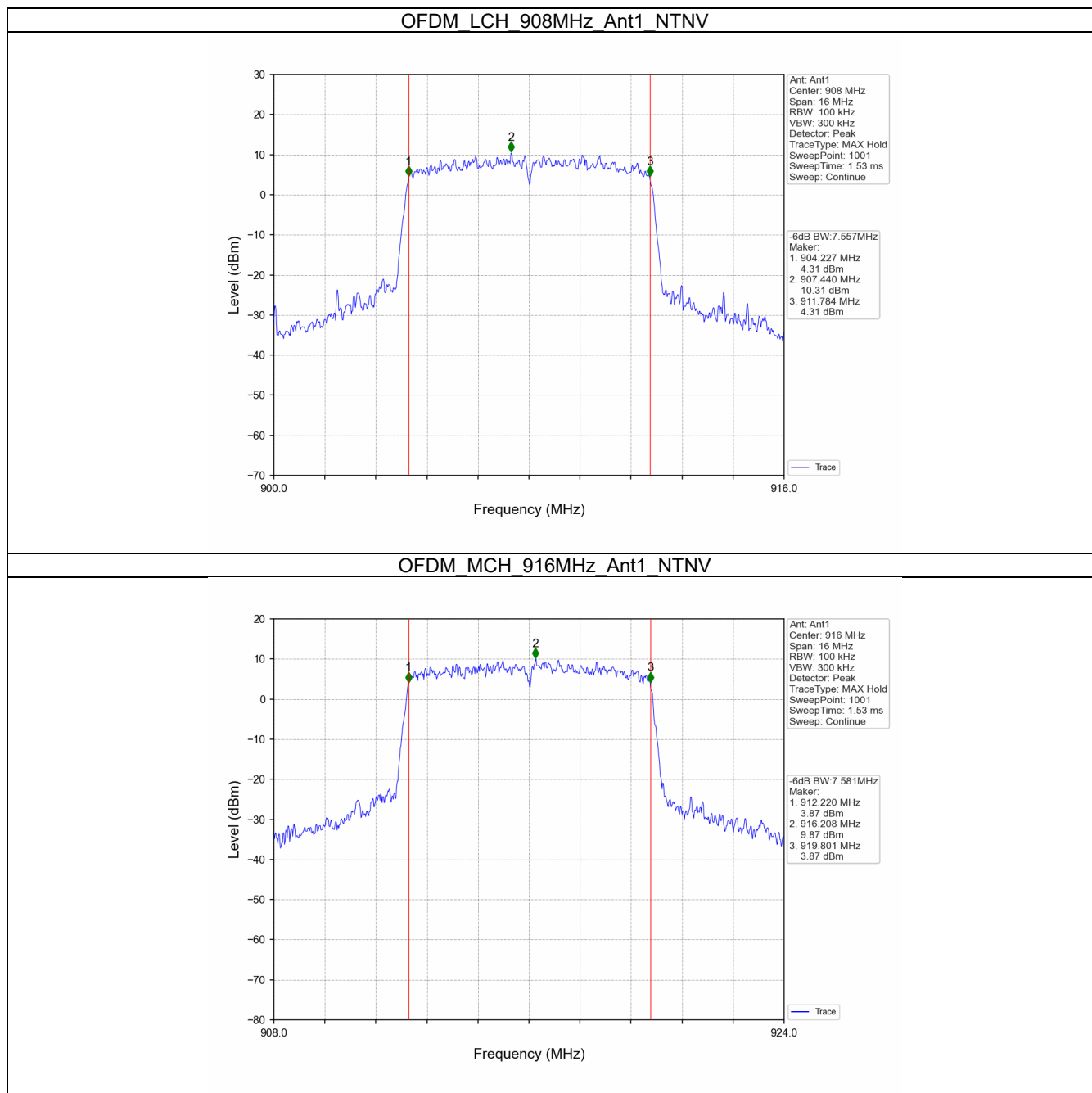
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2.2.2 Test Graph



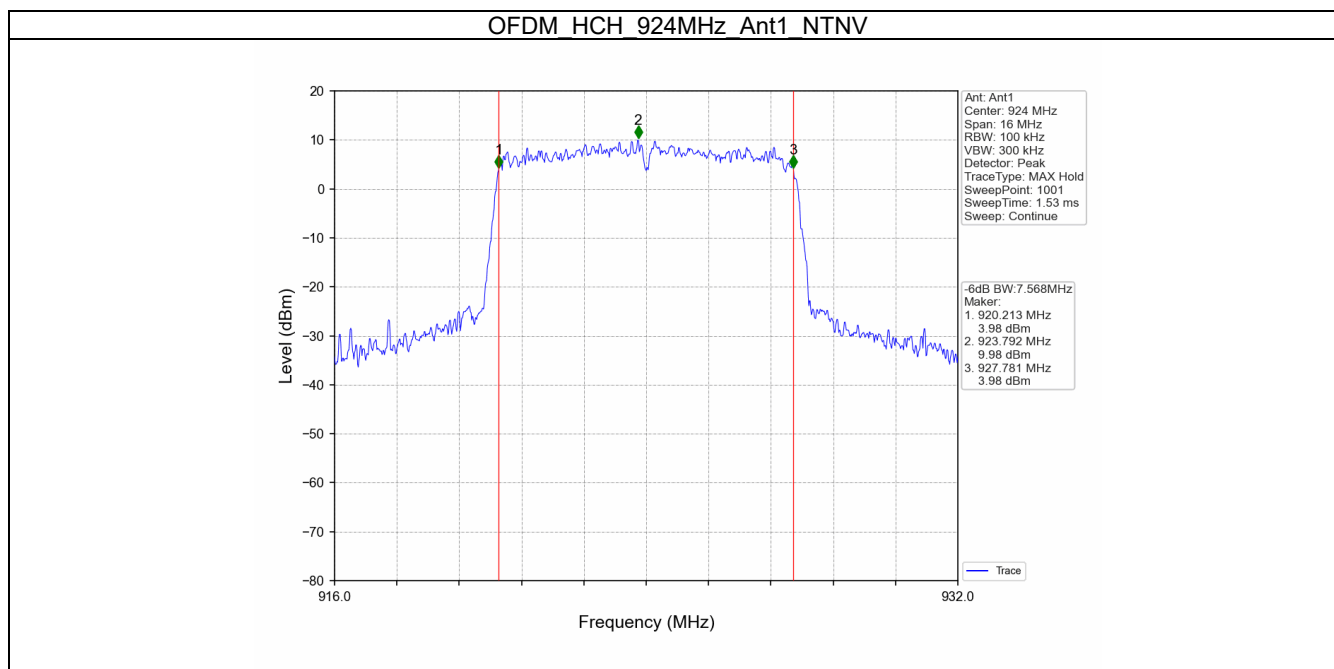
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3. Maximum Conducted Output Power

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	26.85	<=30	Pass
		916	26.64	<=30	Pass
		924	26.09	<=30	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;



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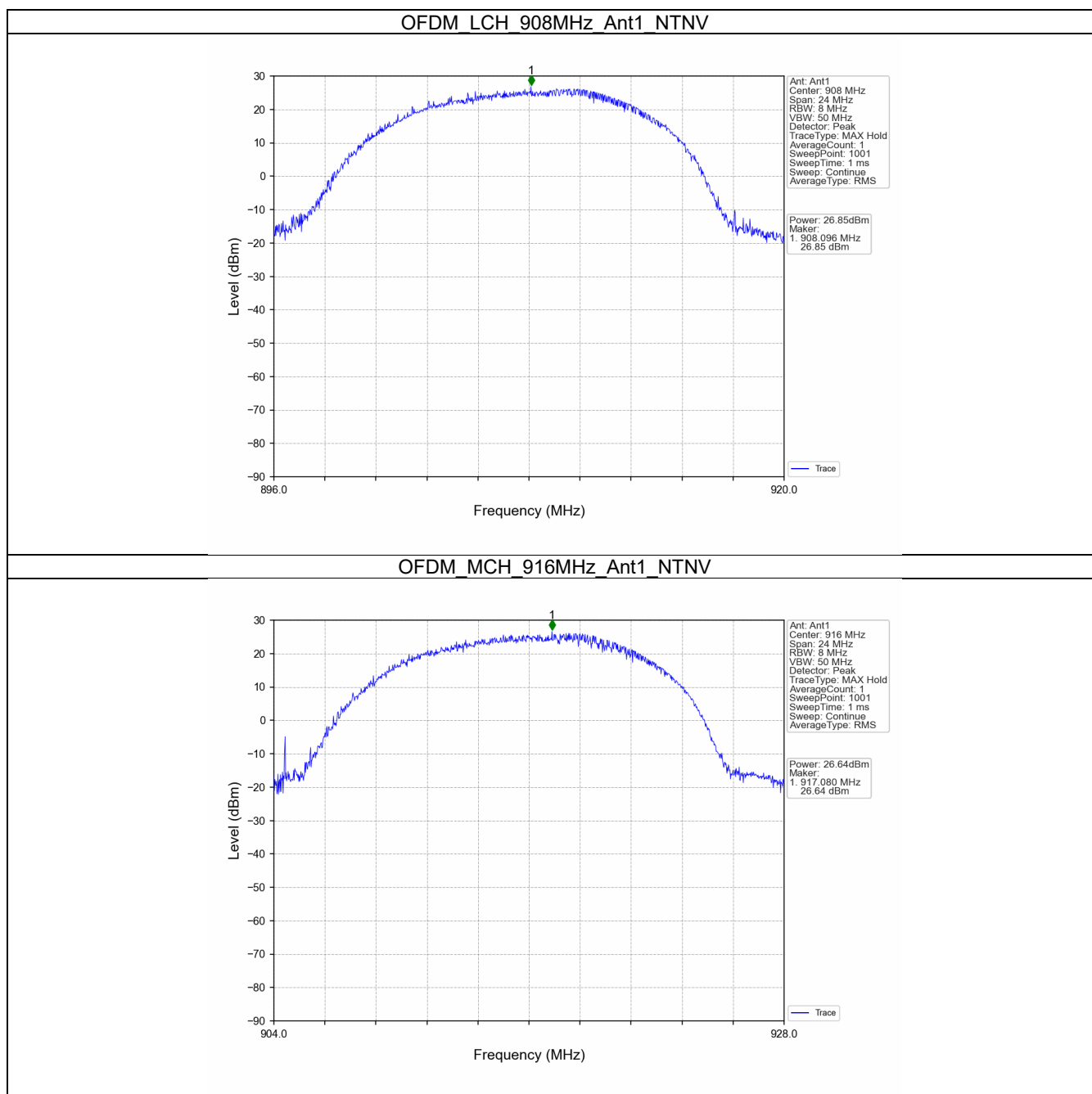
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3.1.2 Test Graph



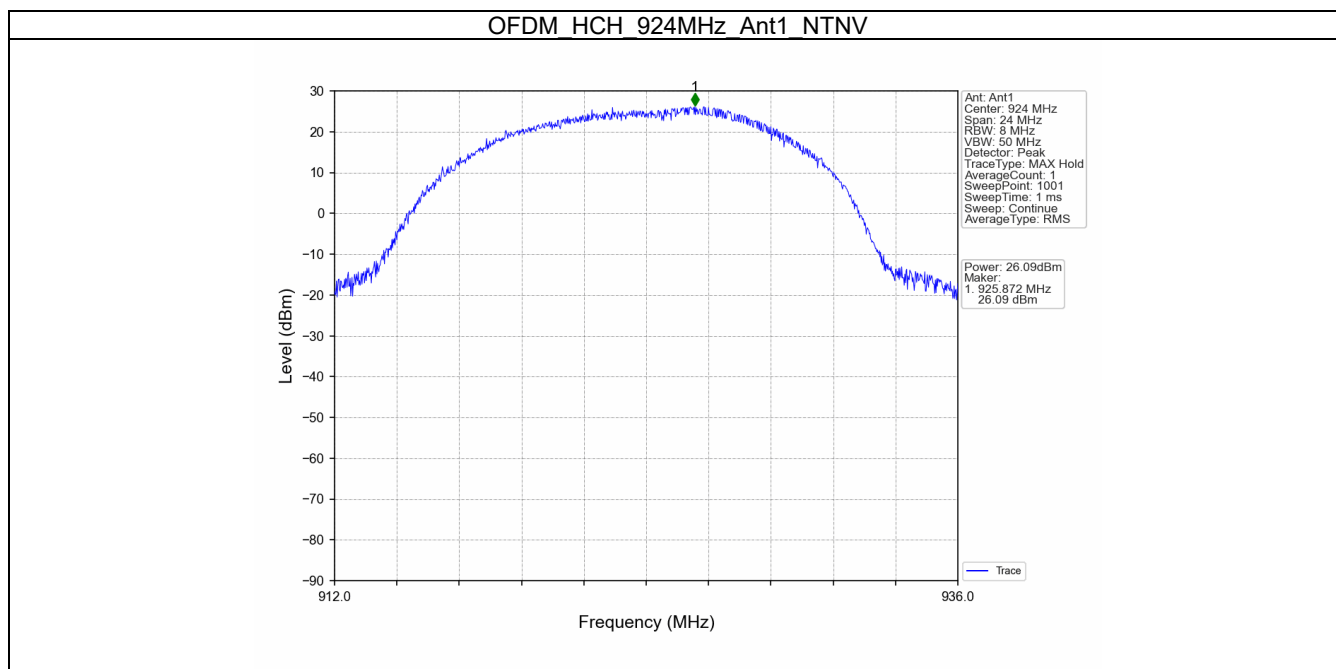
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
OFDM	SISO	908	-6.41	<=8	Pass
		916	-6.18	<=8	Pass
		924	-6.04	<=8	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;



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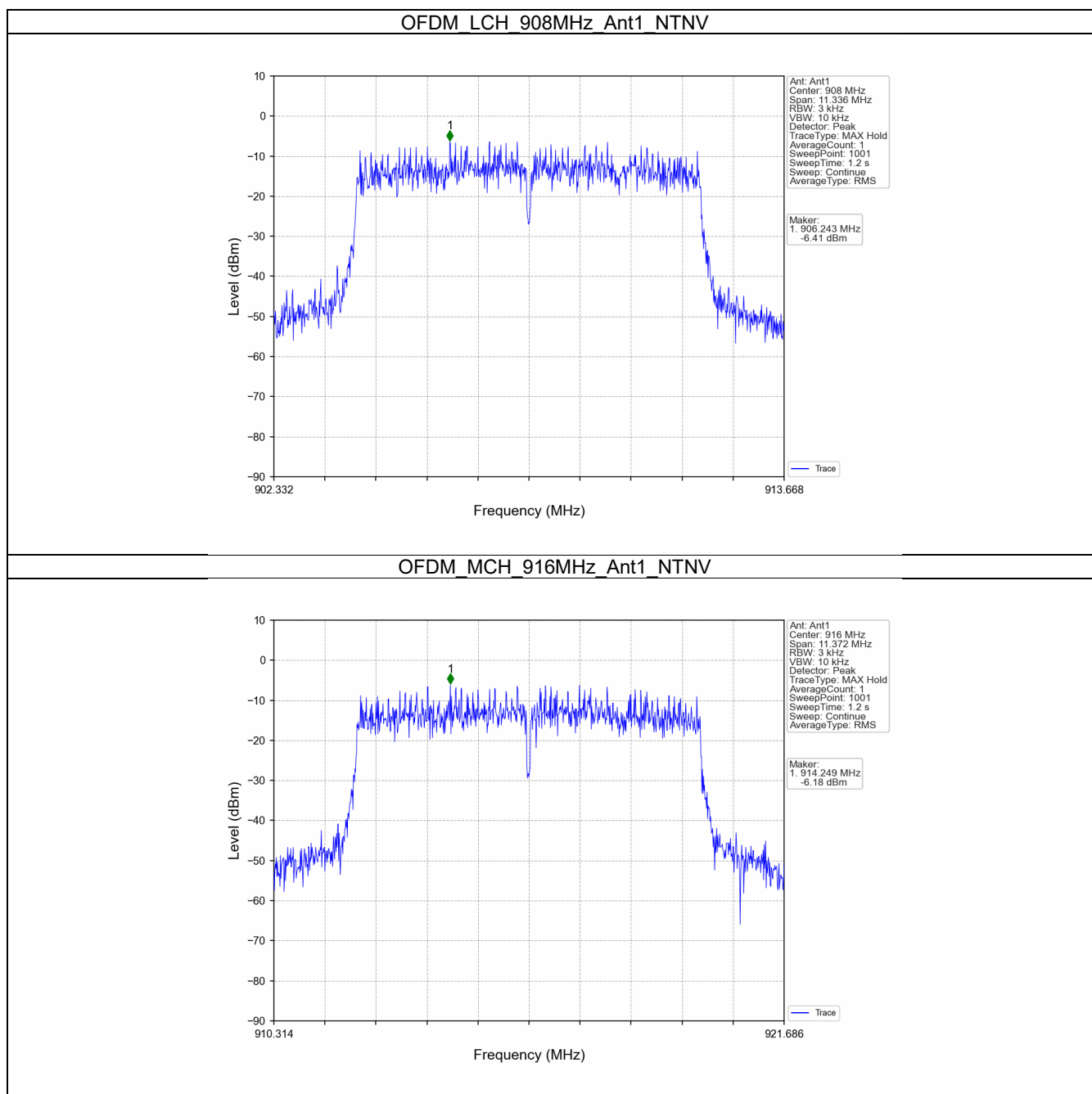
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4.1.2 Test Graph



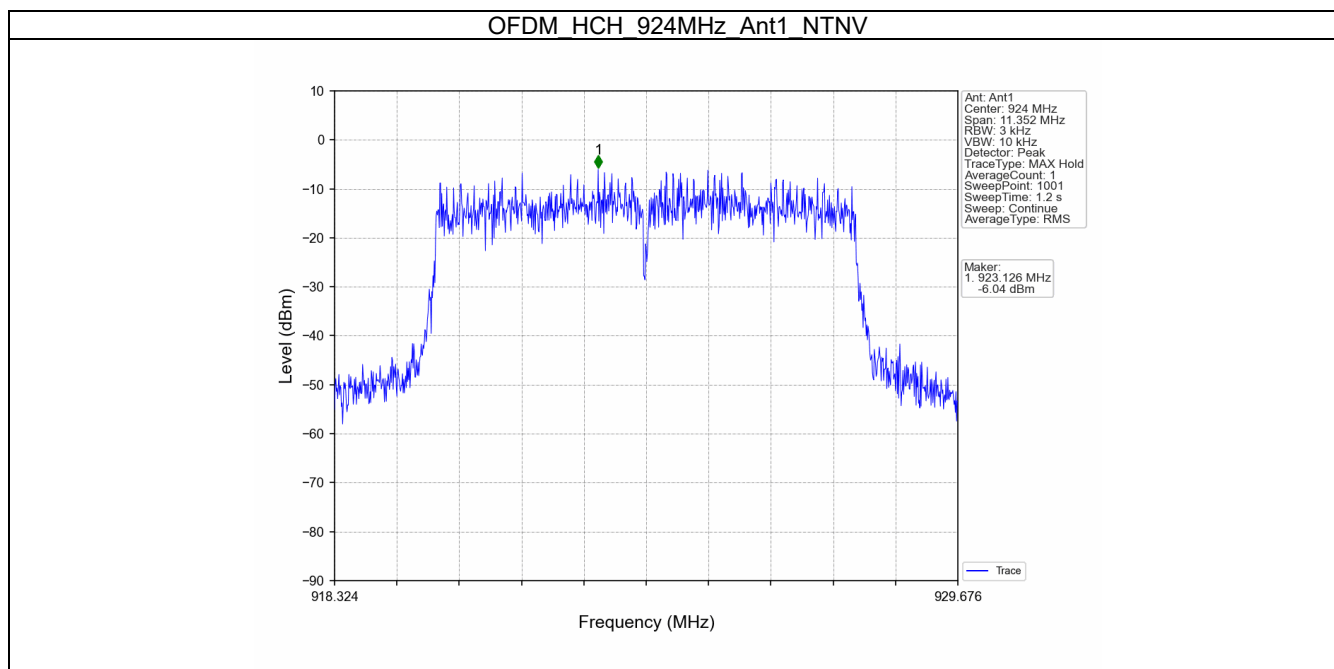
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Testing Center Electronic Laboratory

NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t(86-21)61915666 f(86-21)61915678 www.sgsgroup.com.cn
t(86-21)61915666 f(86-21)61915678 e sgs.china@sgs.com



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t(86-21) 61915666 f(86-21) 61915678 e.sgs.china@sgs.com

5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

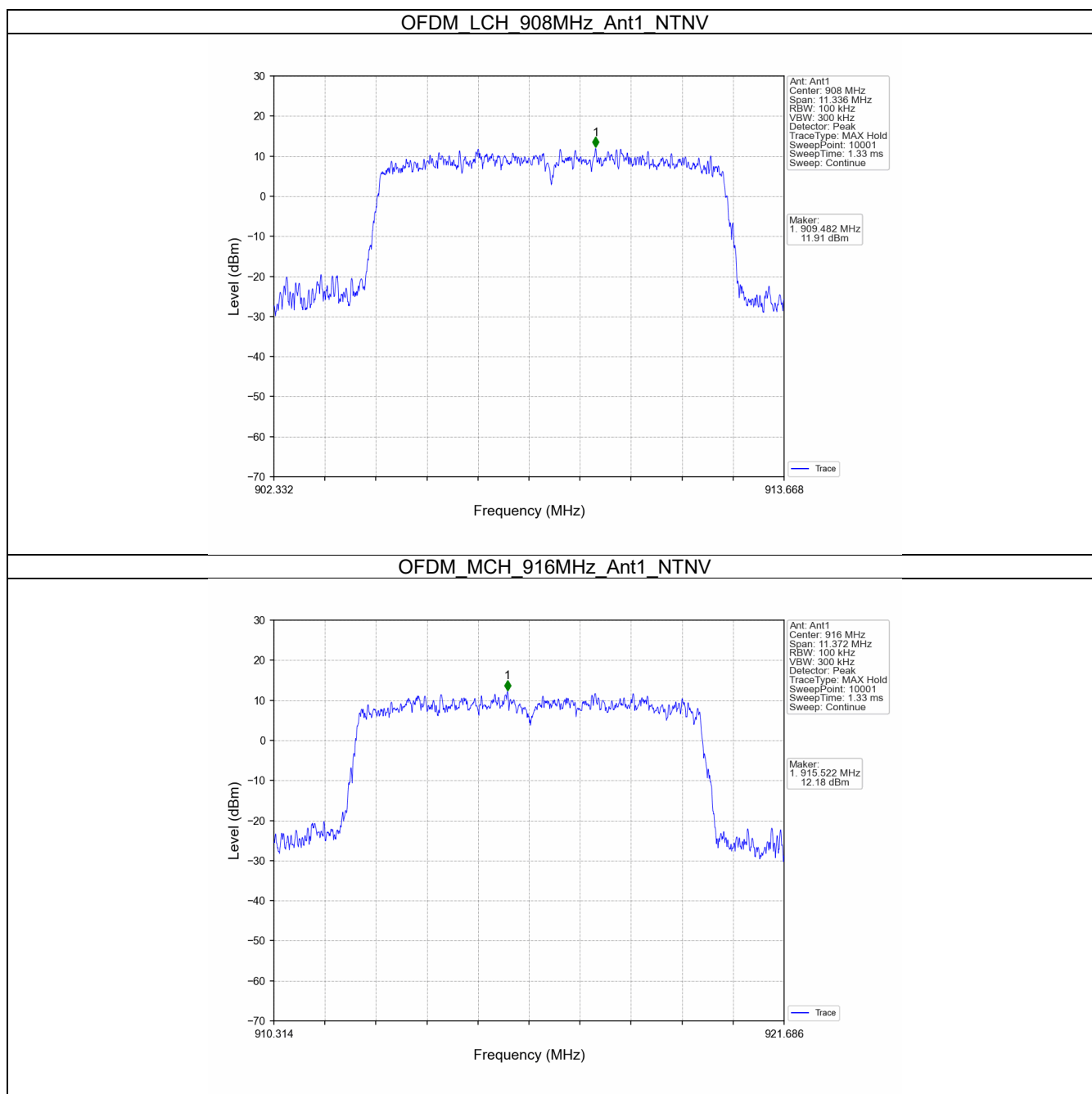
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
OFDM	SISO	908	1	11.91
		916	1	12.18
		924	1	12.33

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.



5.1.2 Test Graph



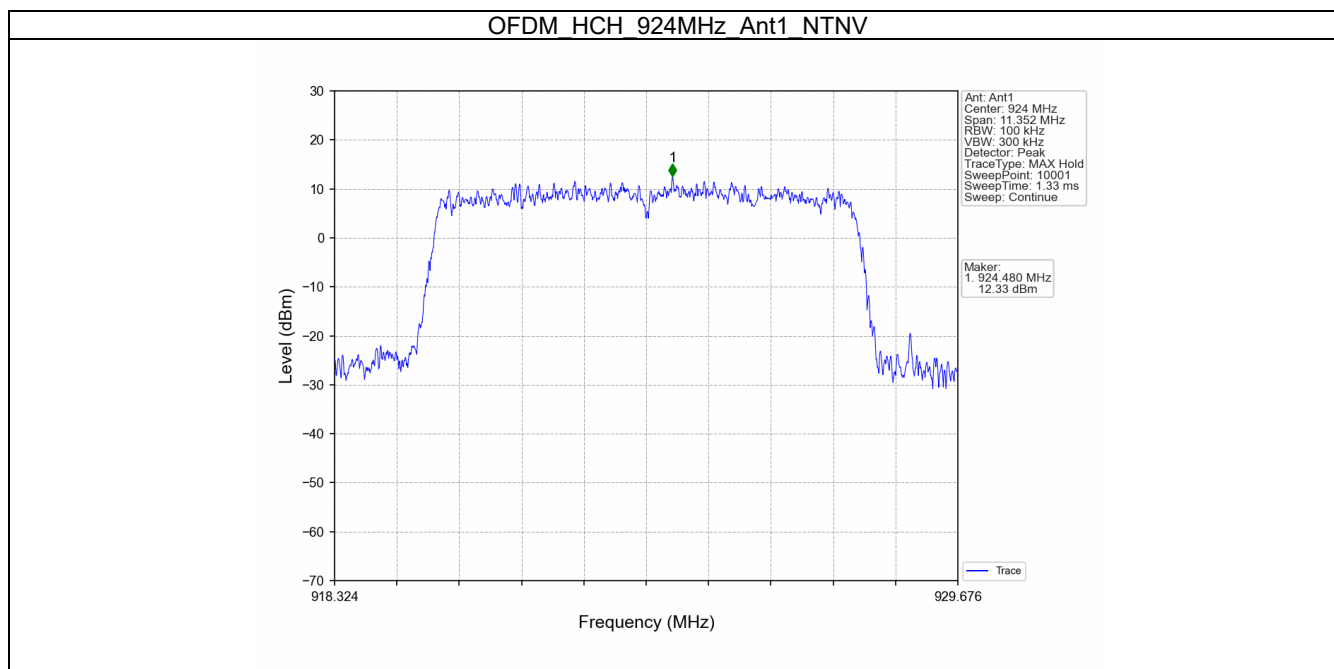
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Testing Center EMC Lab

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中国·上海·松江区金都西路588号 邮编: 201612

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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	12.33	-7.67	Pass
		916	1	12.33	-7.67	Pass
		924	1	12.33	-7.67	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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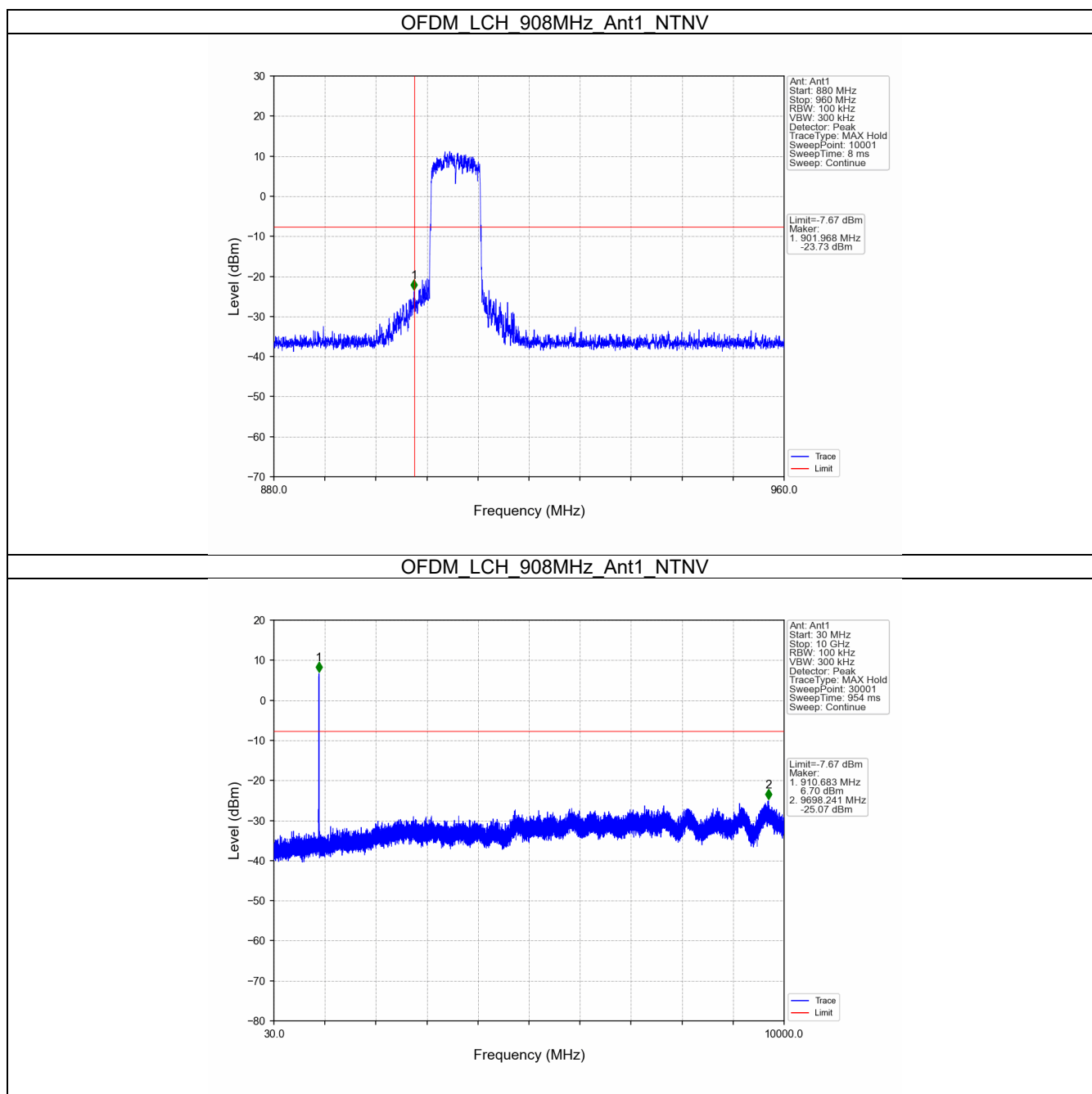
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中国·上海·松江区金都西路588号 邮编: 201612

t(86-21)61915666 f(86-21)61915678 www.sgs.com.cn
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5.2.2 Test Graph



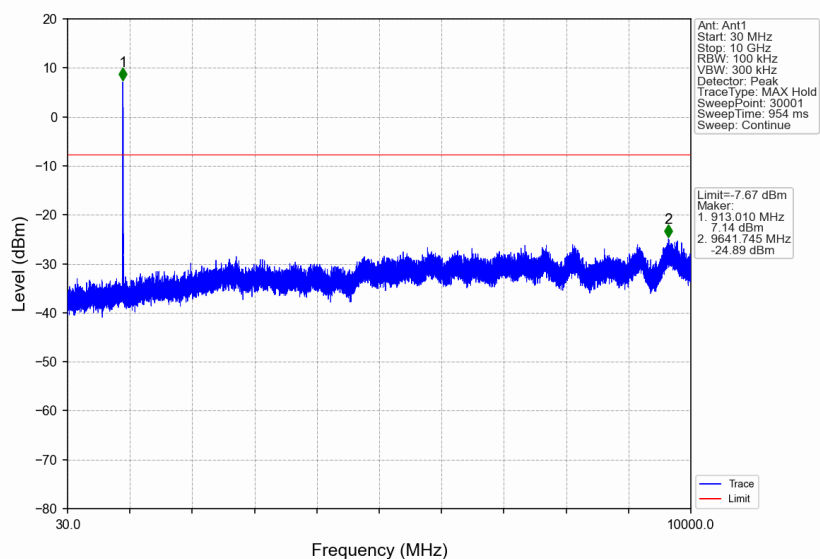
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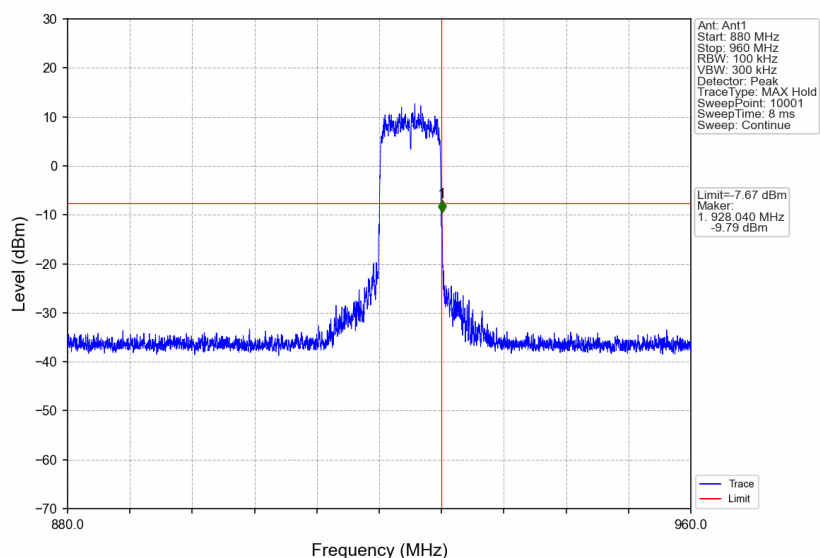
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t(86-21)61915666 f(86-21)61915678 e sgs.china@sgs.com

OFDM_MCH_916MHz_Ant1_NTNV



OFDM_HCH_924MHz_Ant1_NTNV



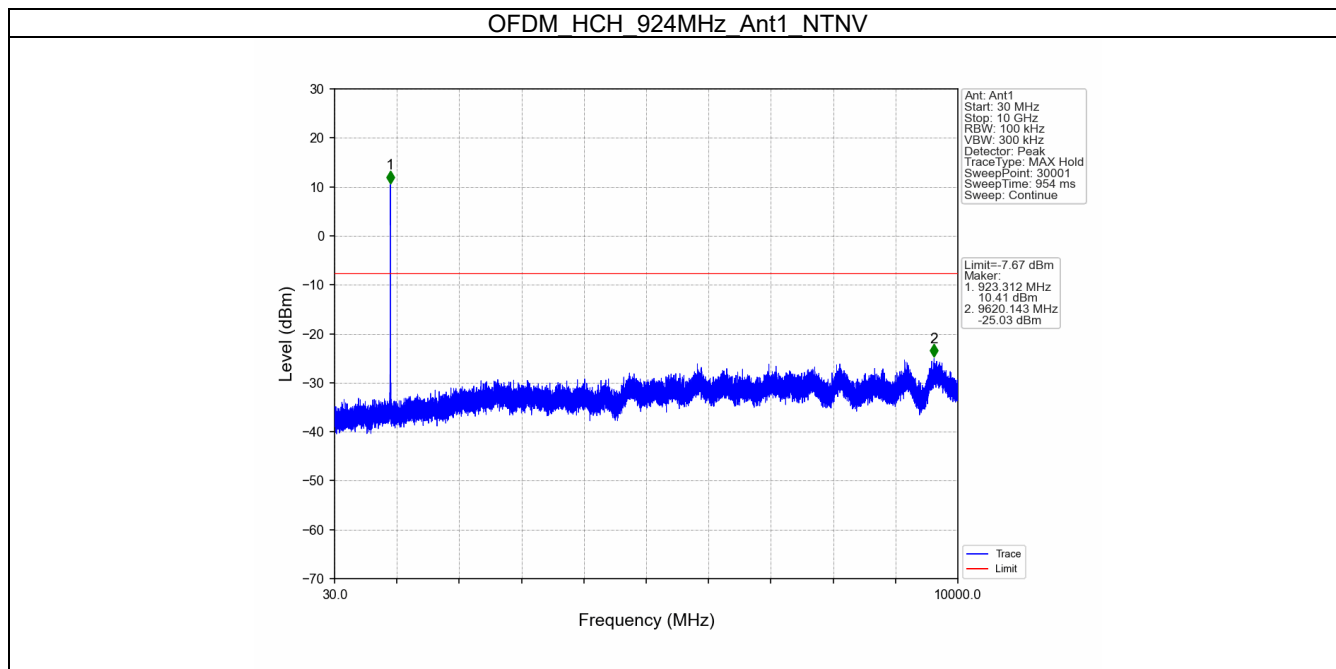
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