

Appendix C for SHCR220300054801-FCC-4M

1. Duty Cycle

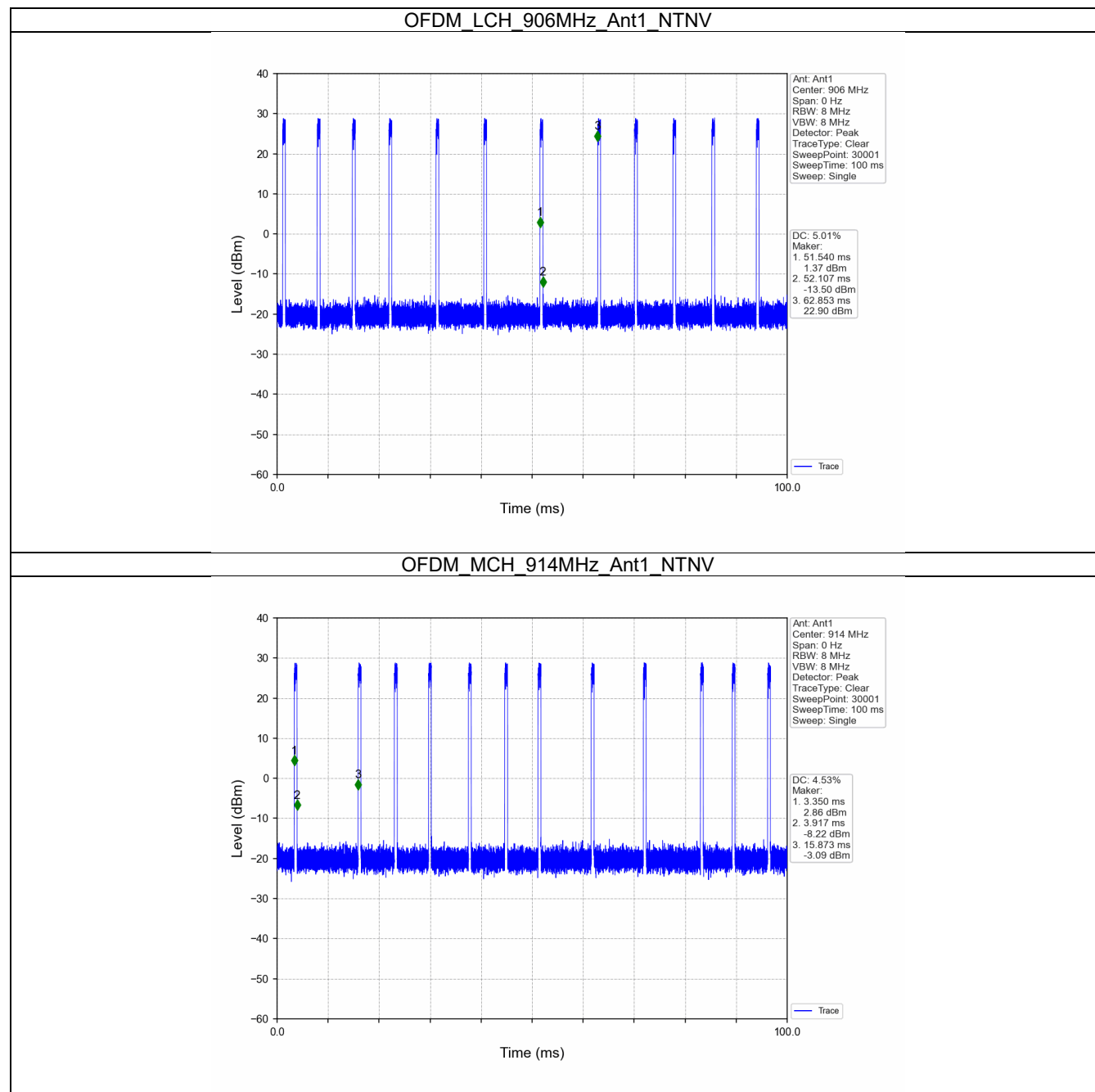
1.1 Ant1

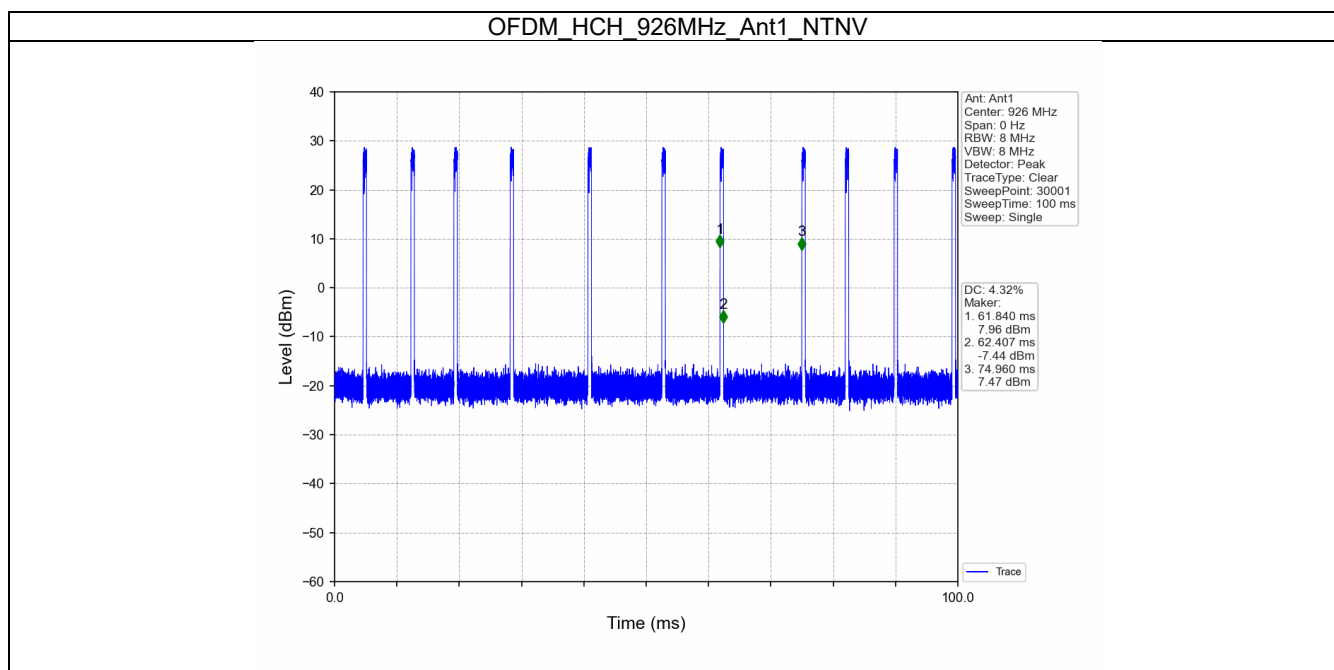
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
OFDM	SISO	906	0.567	11.313	5.01	13.00	3.31
		914	0.567	12.523	4.53	13.44	4.62
		926	0.567	13.120	4.32	13.64	3.88



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	906	1	3.729	Pass
		914	1	3.771	Pass
		926	1	3.761	Pass



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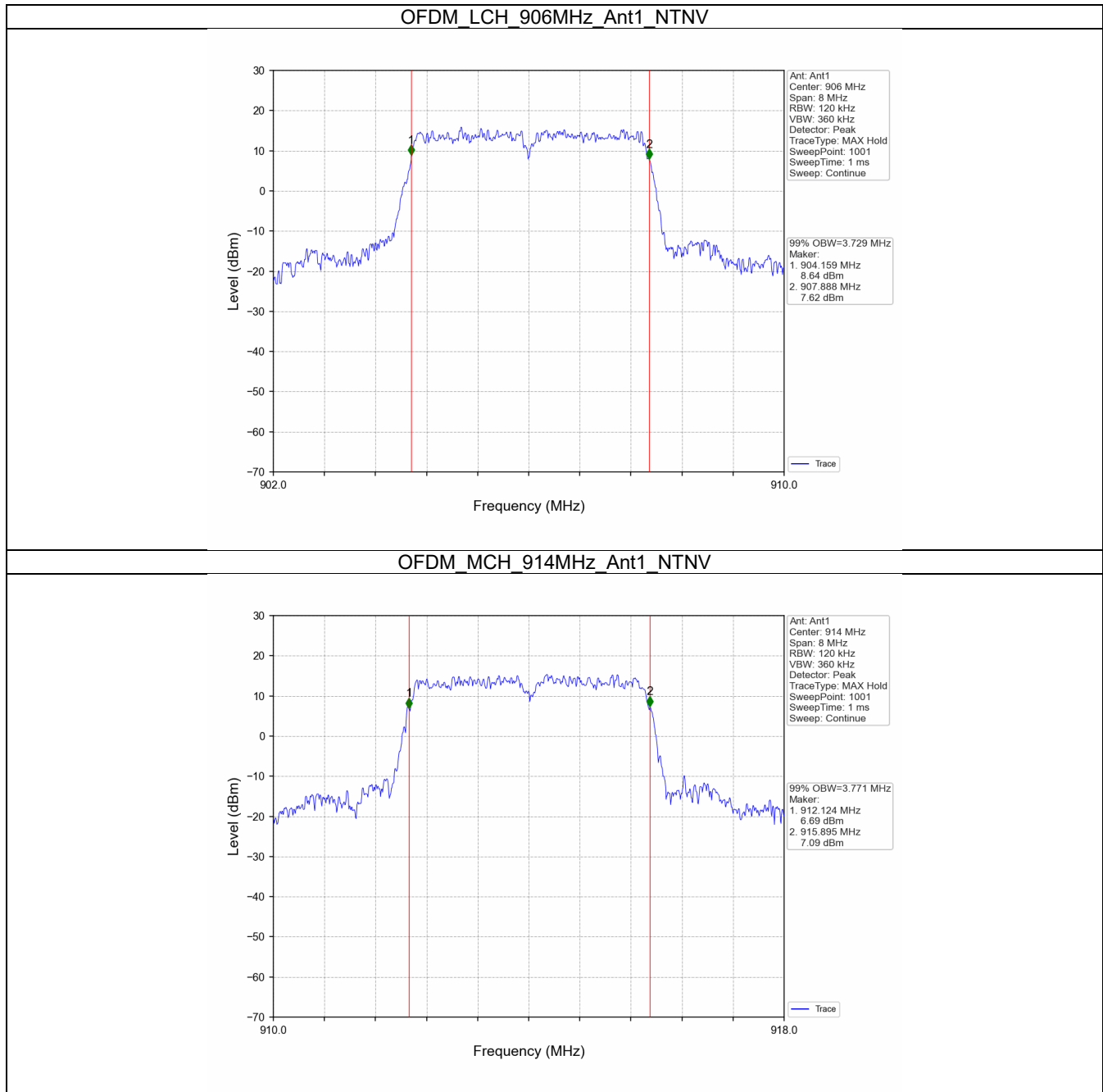
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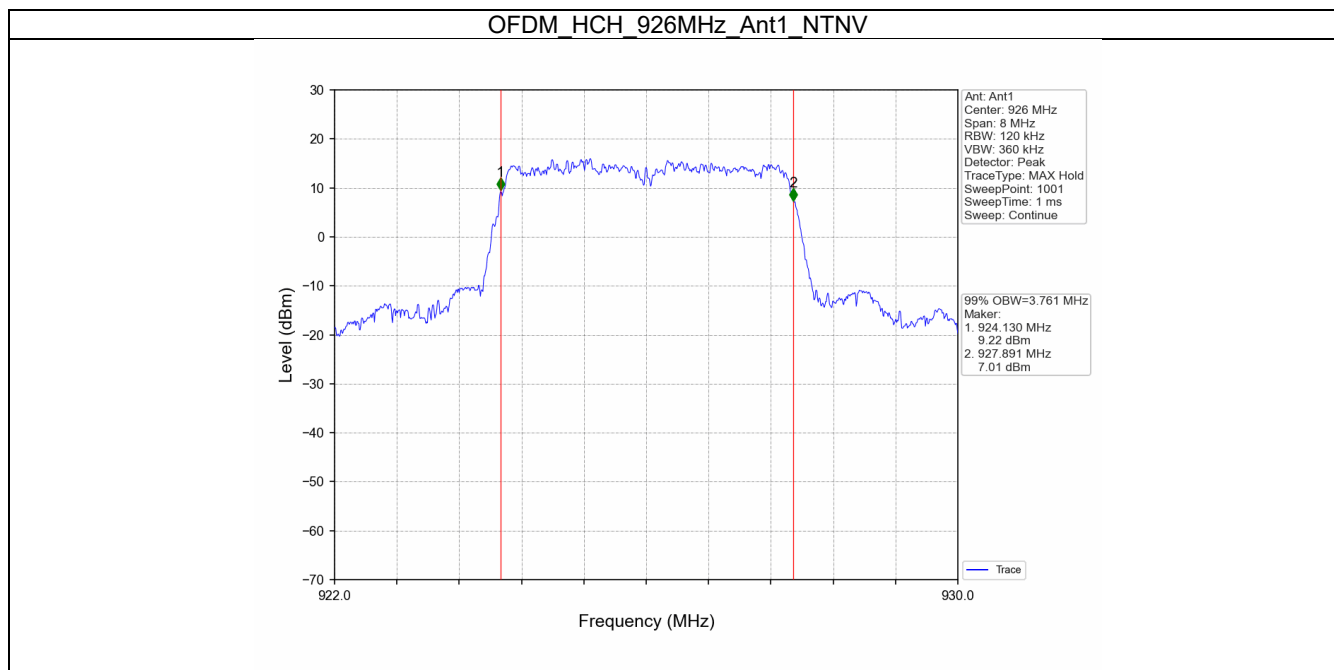
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2.1.2 Test Graph





2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
OFDM	SISO	906	1	3.644	≥ 0.5	Pass
		914	1	3.676	≥ 0.5	Pass
		926	1	3.646	≥ 0.5	Pass



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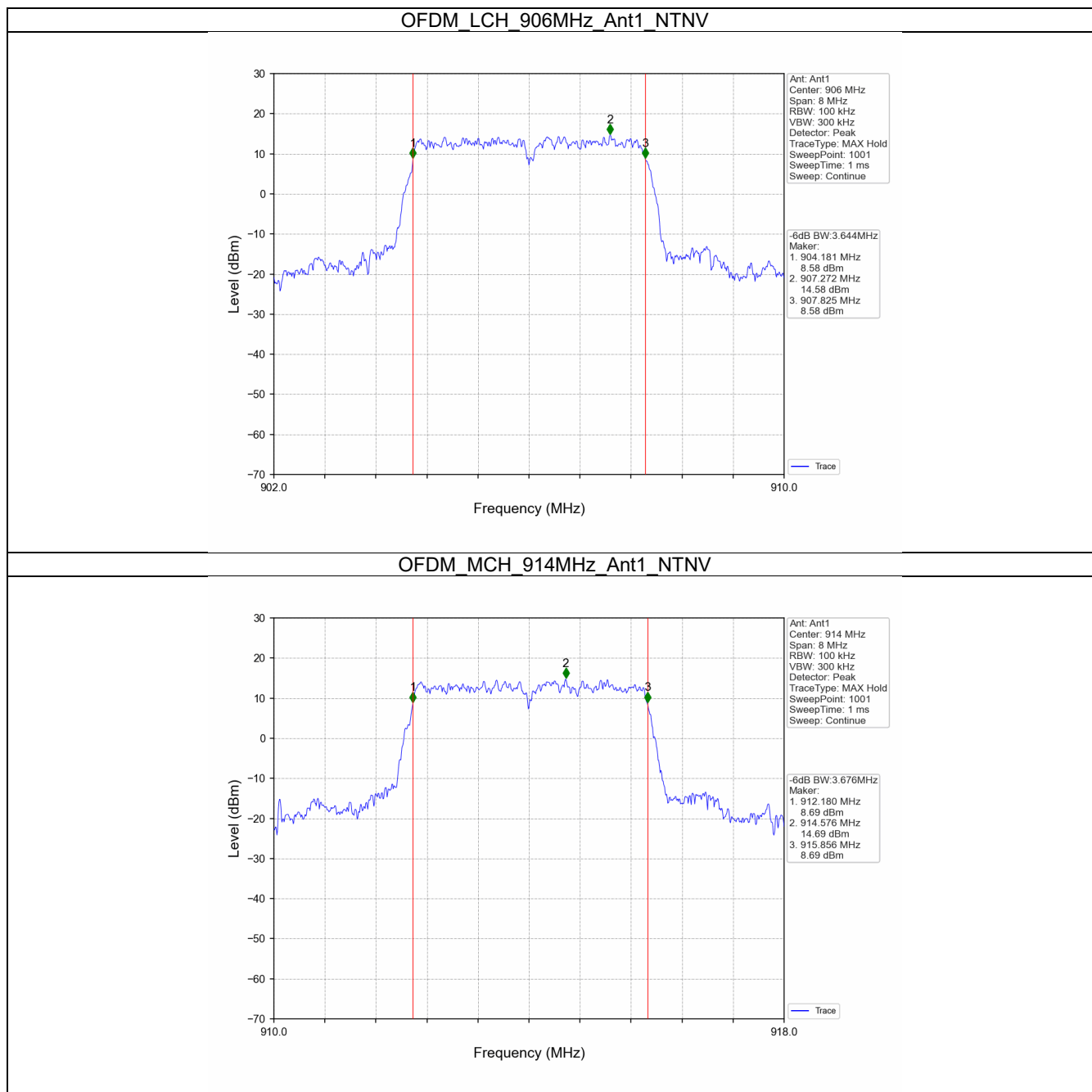
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2.2.2 Test Graph



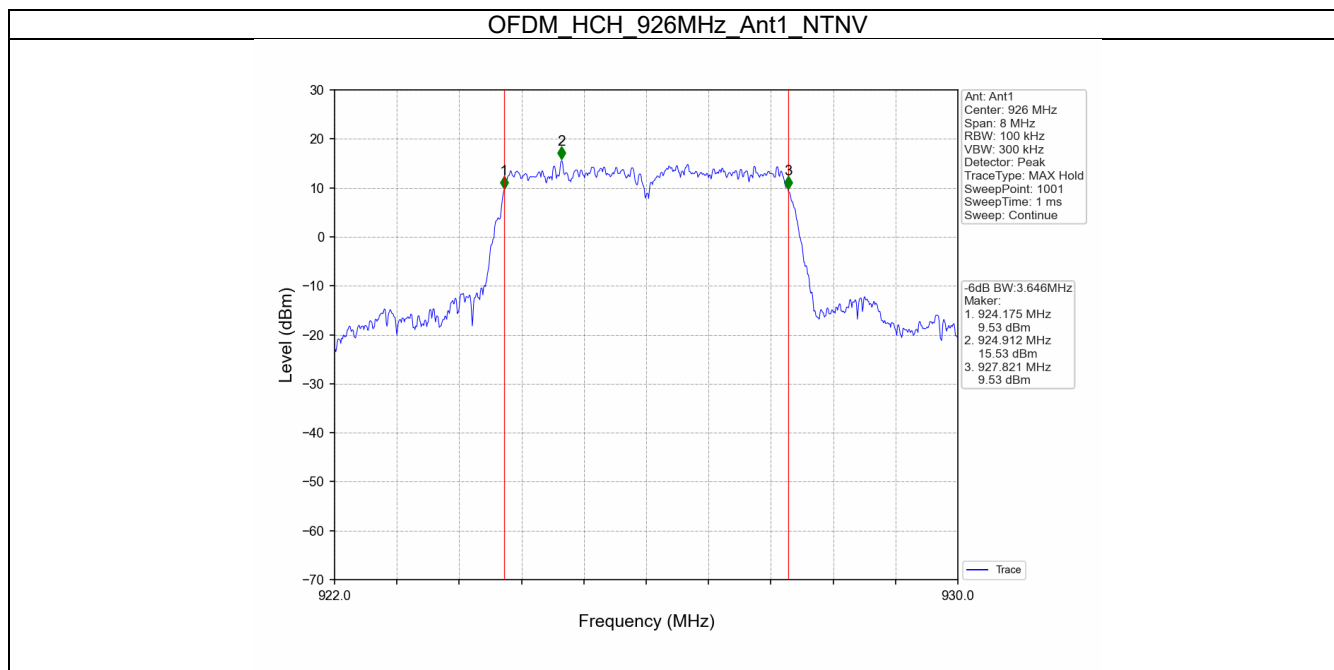
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
OFDM	SISO	906	25.12	<=30	Pass
		914	24.98	<=30	Pass
		926	24.80	<=30	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



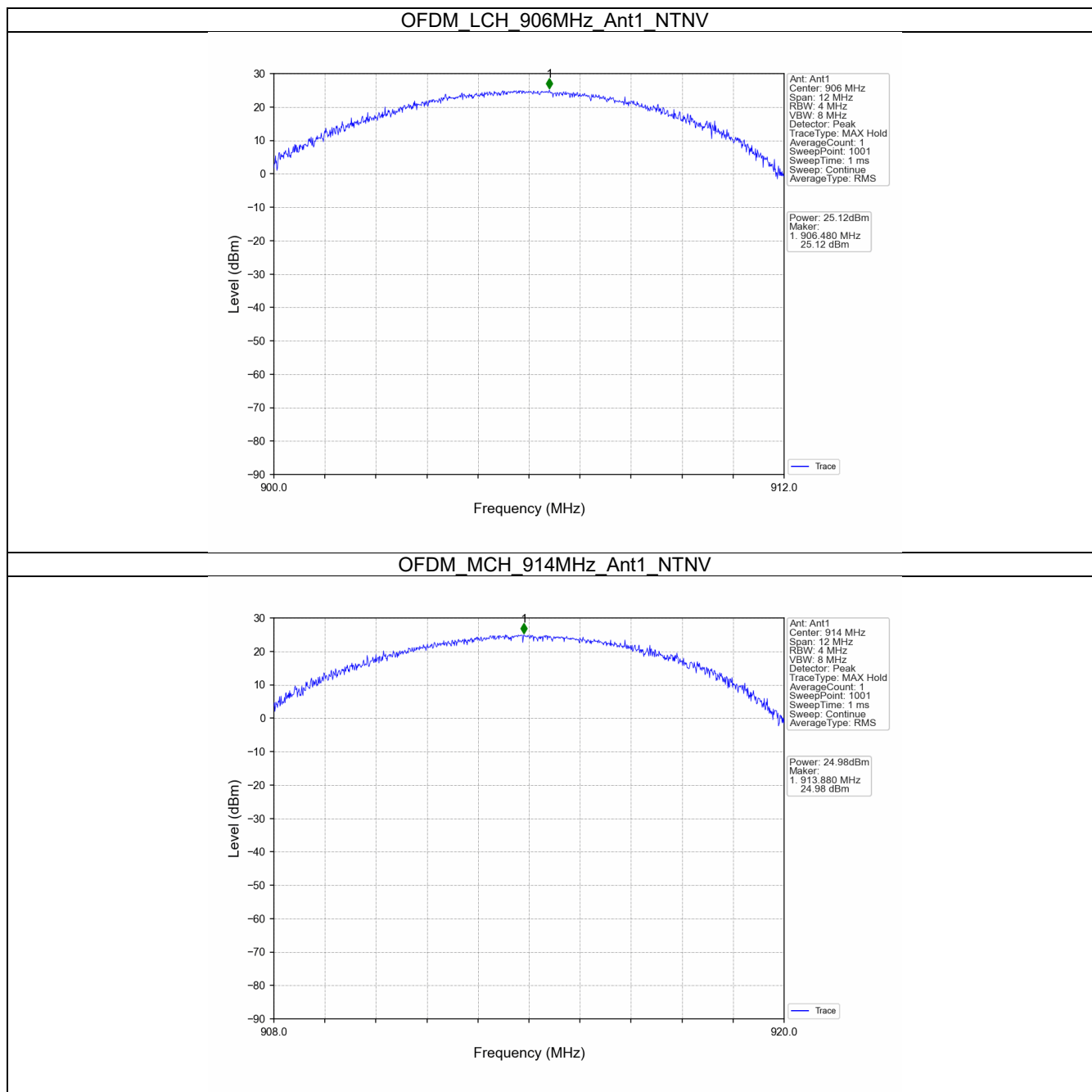
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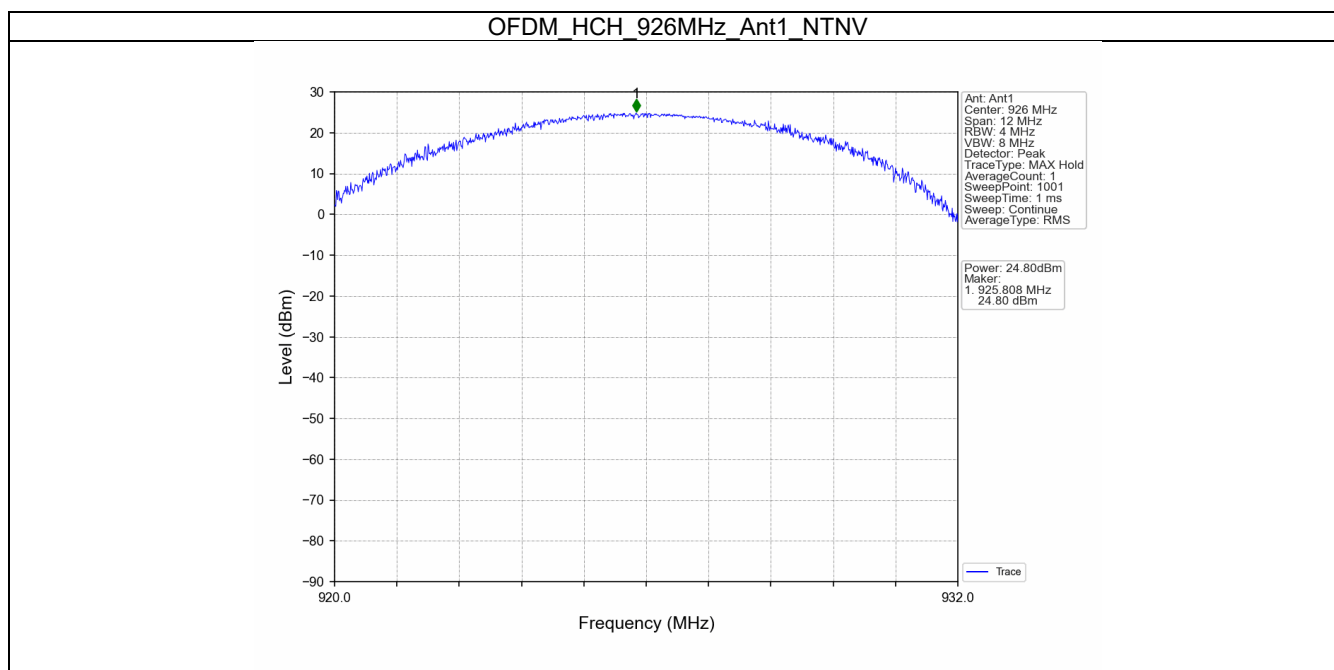
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3.1.2 Test Graph





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4. Maximum Power Spectral Density

4.1 PSD

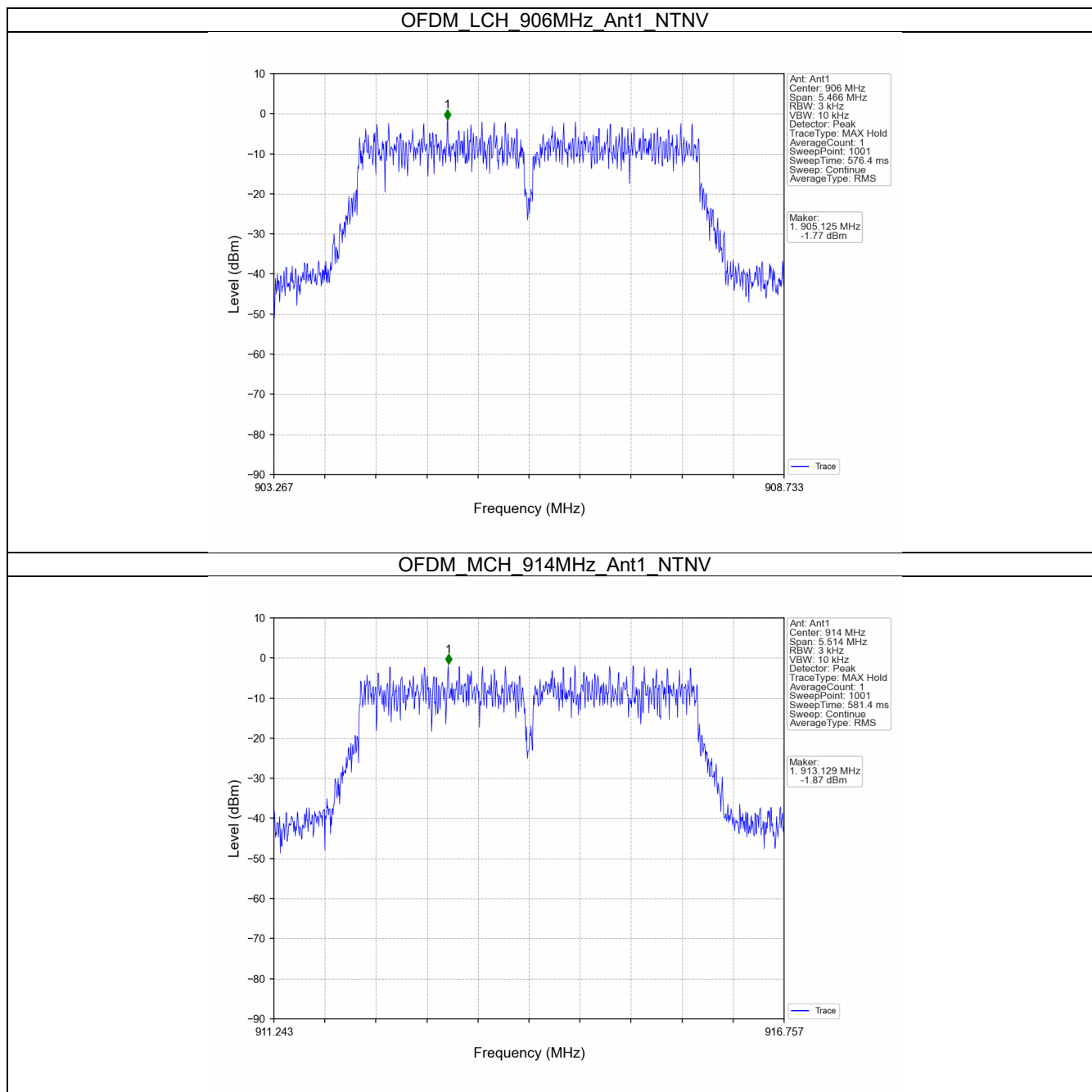
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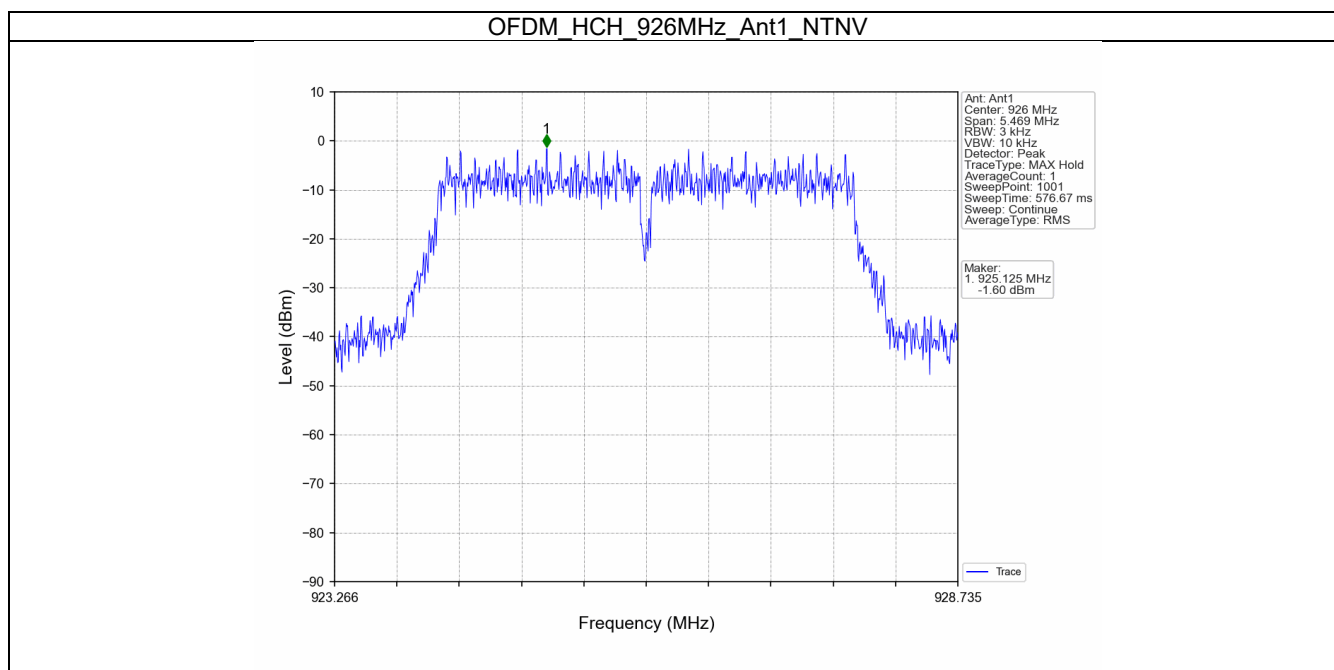
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
OFDM	SISO	906	-1.77	<=8	Pass
		914	-1.87	<=8	Pass
		926	-1.60	<=8	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



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

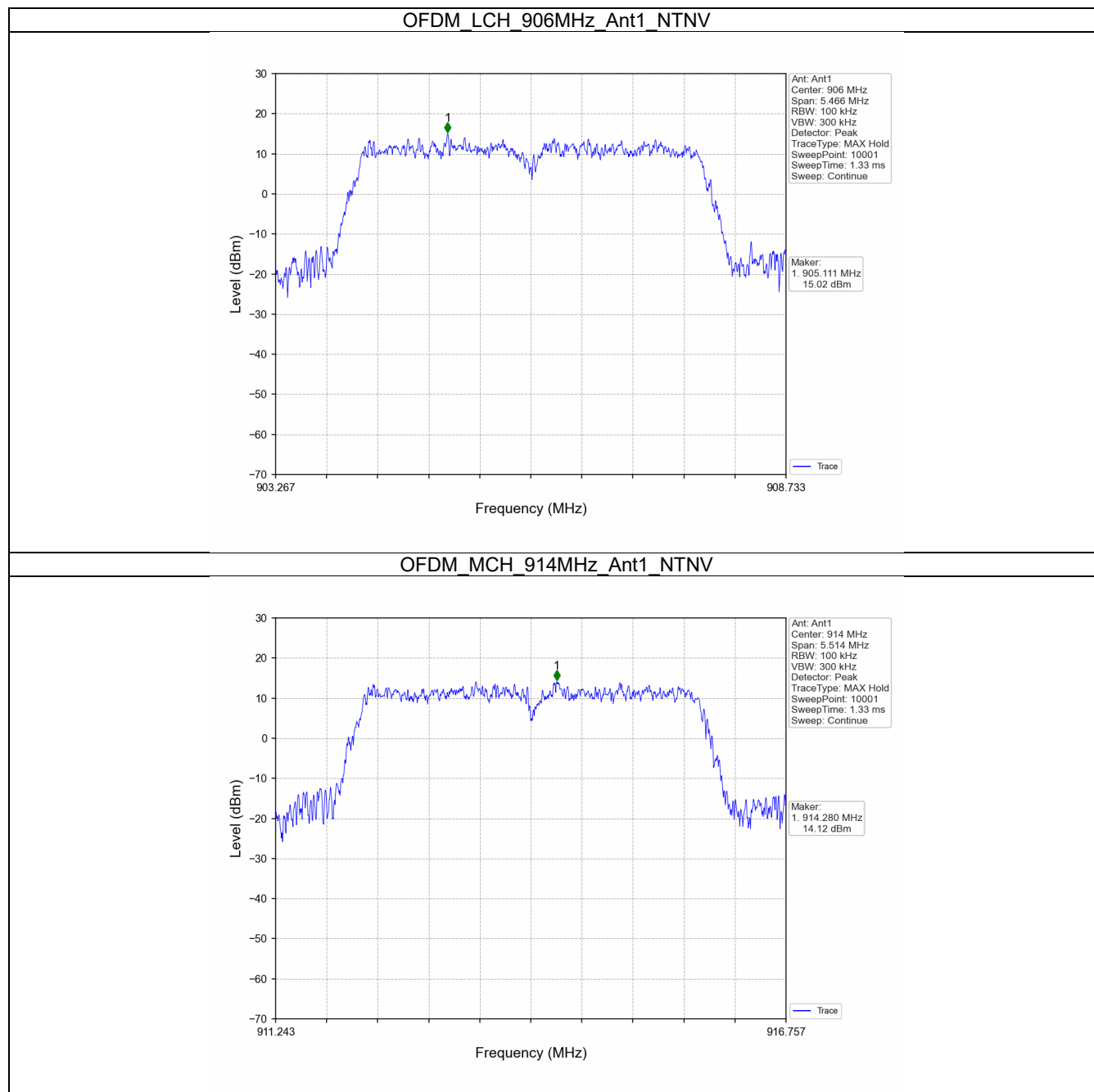
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
OFDM	SISO	906	1	15.02
		914	1	14.12
		926	1	14.05

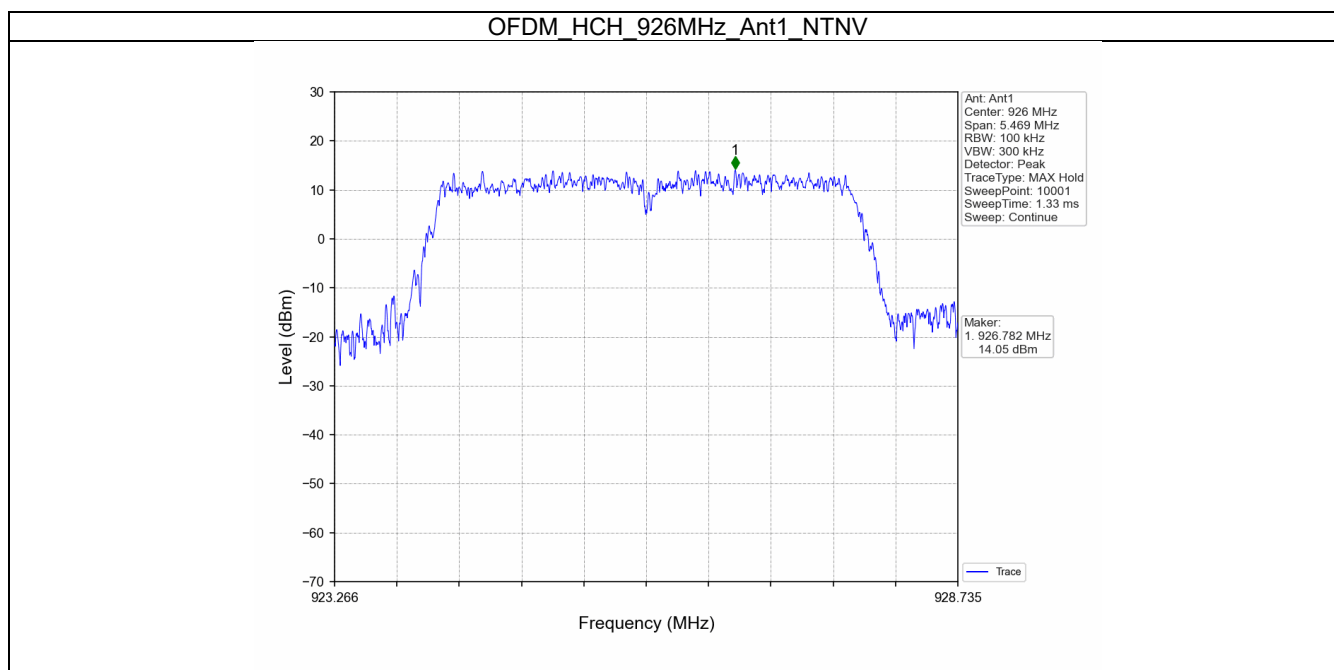
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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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5.2 CSE

5.2.1 Test Result

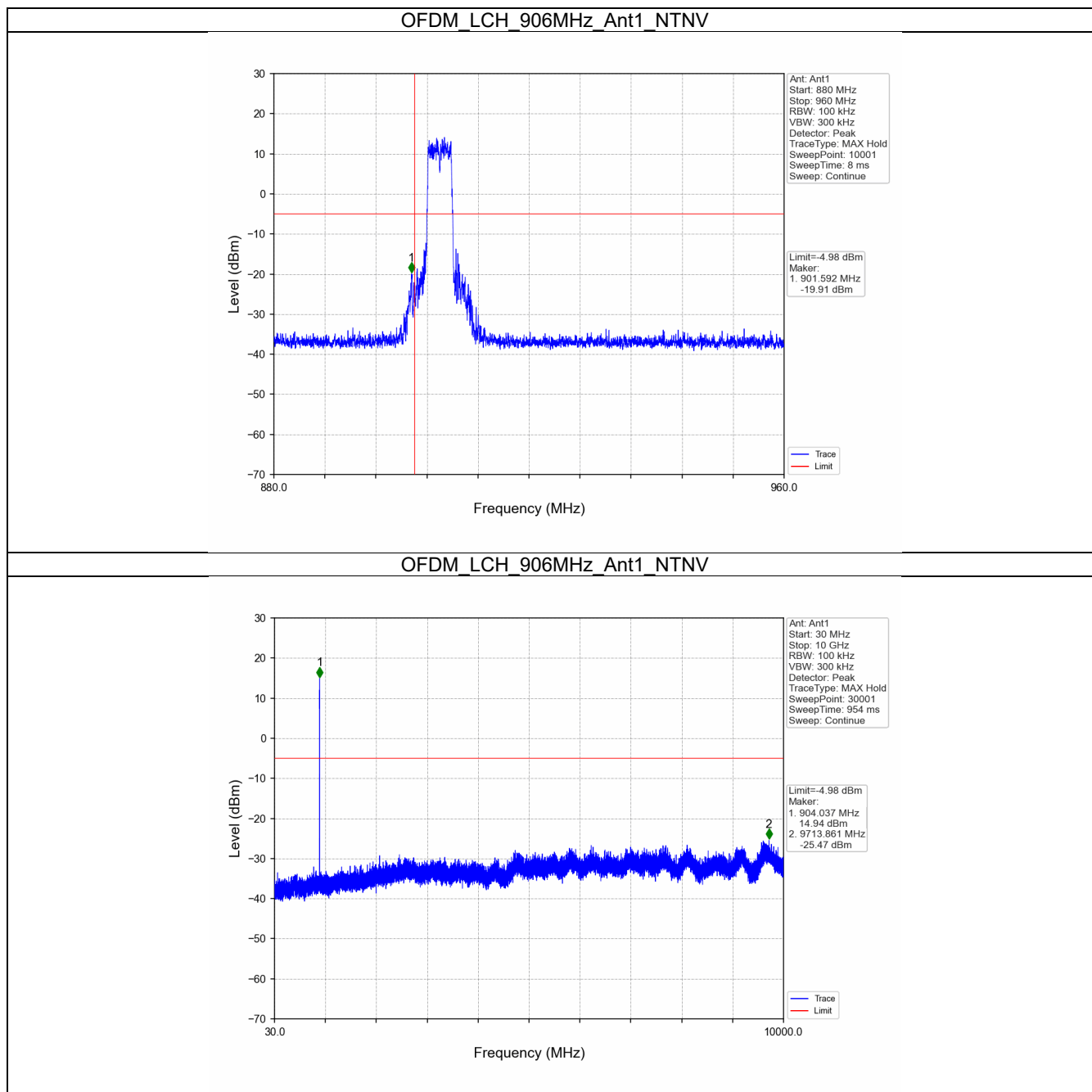
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
OFDM	SISO	906	1	15.02	-4.98	Pass
		914	1	15.02	-4.98	Pass
		926	1	15.02	-4.98	Pass

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.

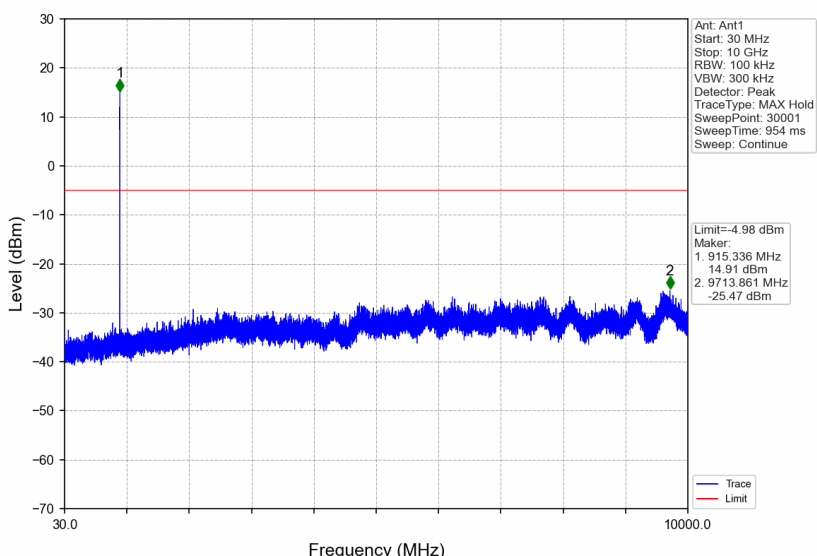
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



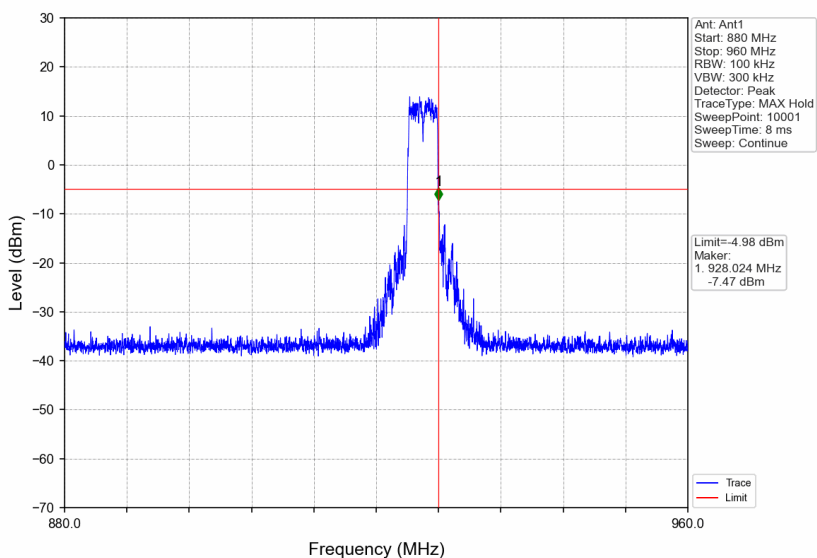
5.2.2 Test Graph



OFDM_MCH_914MHz_Ant1_NTNV



OFDM_HCH_926MHz_Ant1_NTNV



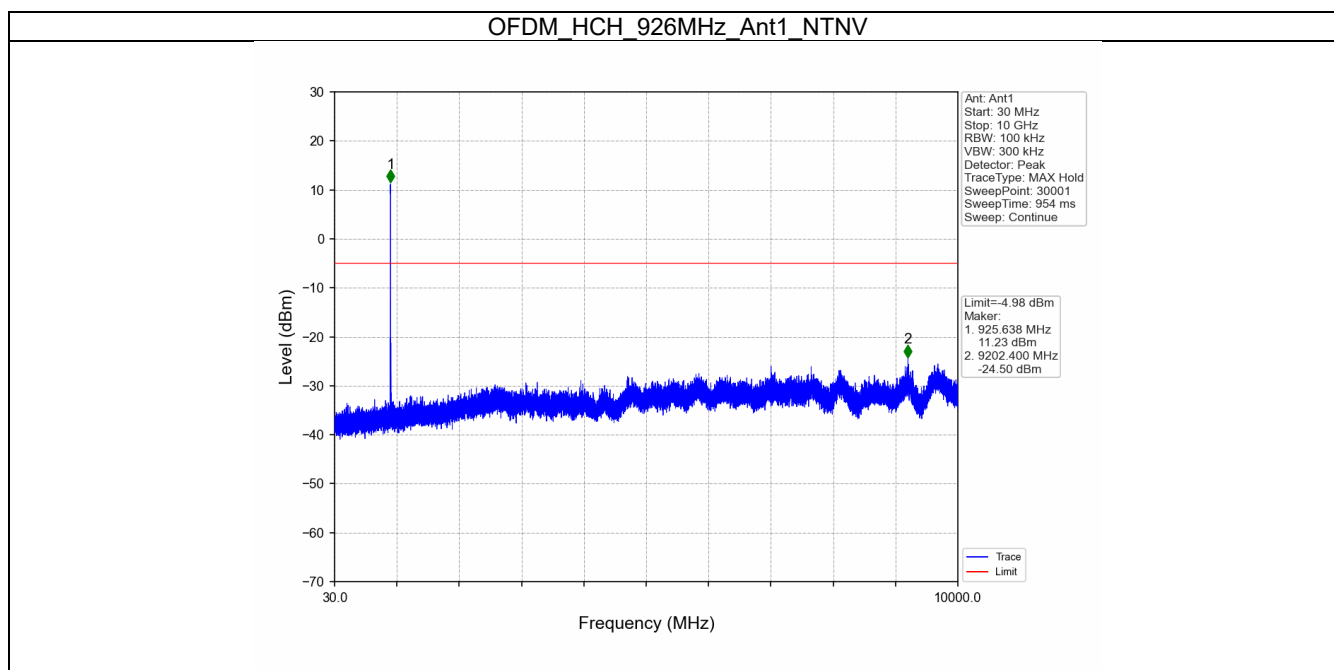
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