

Appendix B for SHCR220300054801-FCC-2M

1. Duty Cycle

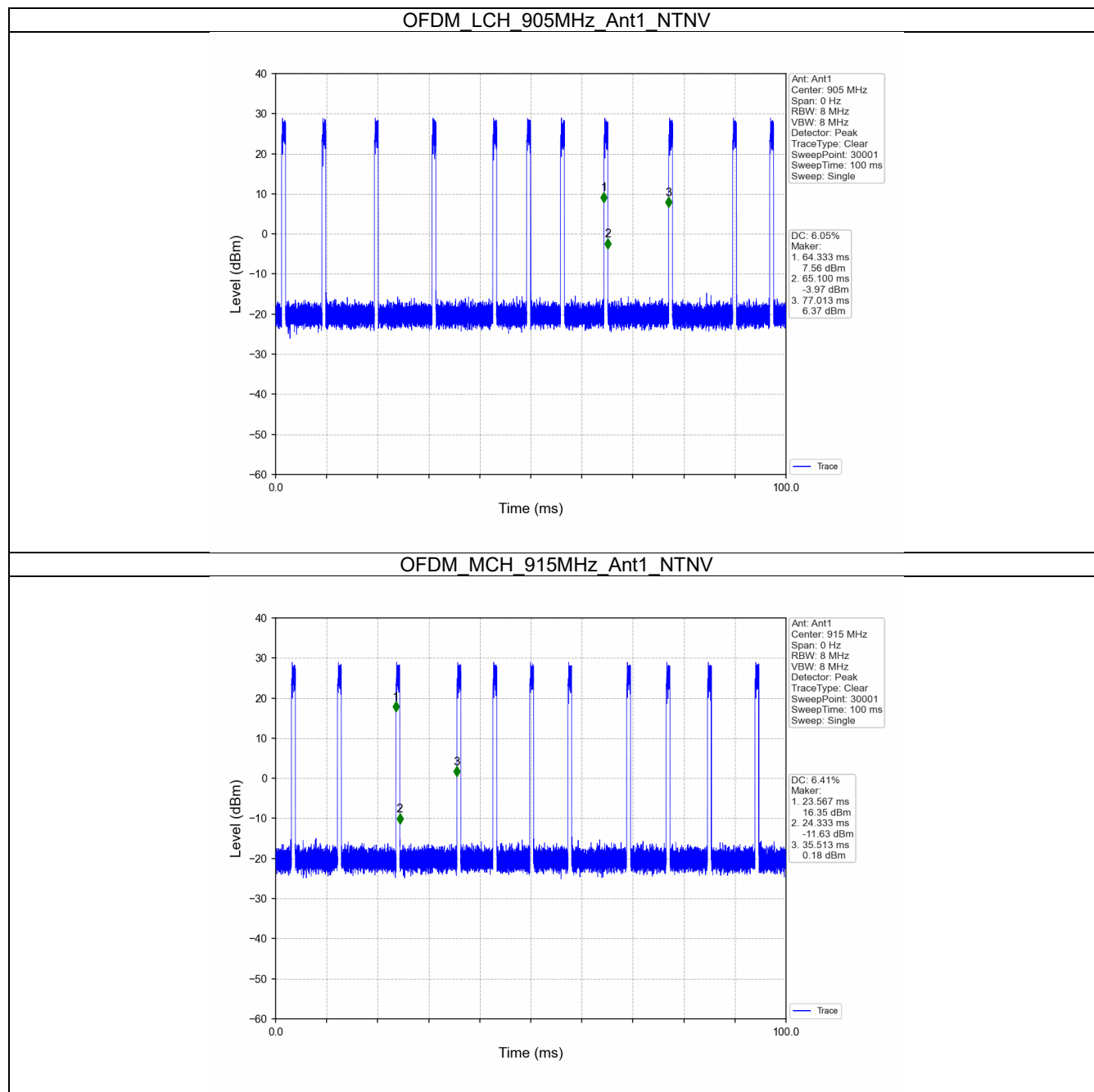
1.1 Ant1

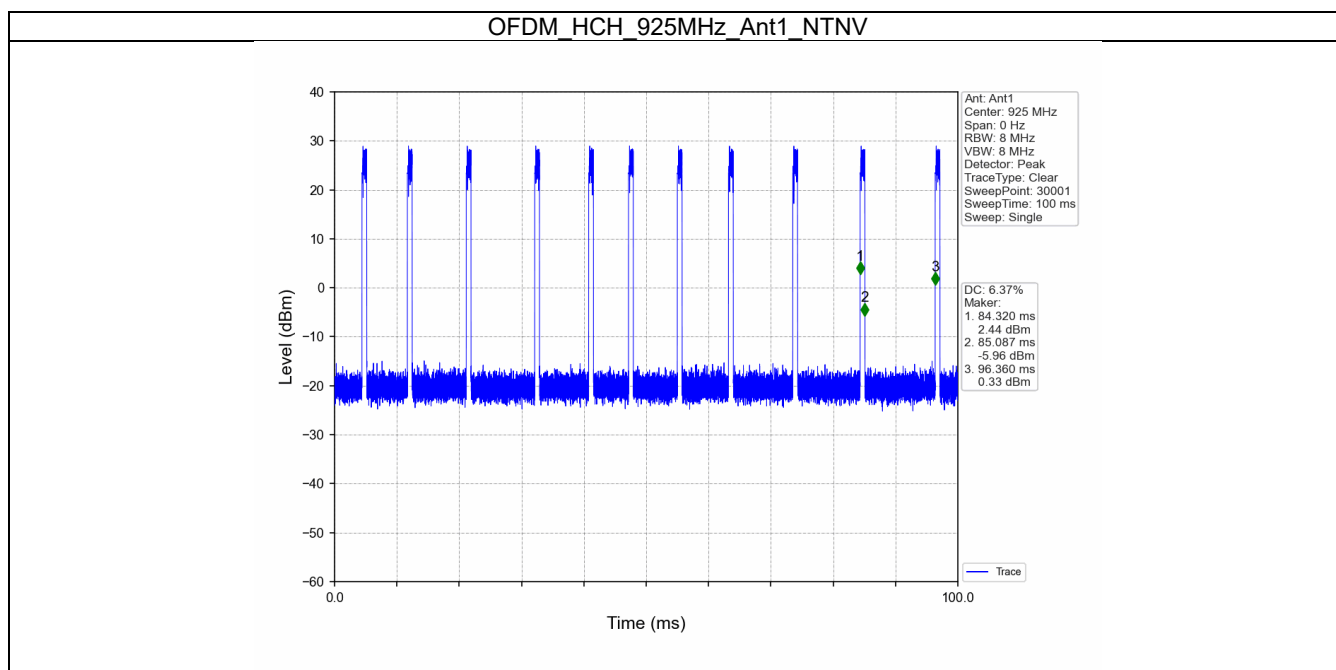
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
OFDM	SISO	905	0.767	12.680	6.05	12.18	5.51
		915	0.766	11.946	6.41	11.93	4.46
		925	0.767	12.040	6.37	11.96	5.71



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	905	1	1.884	Pass
		915	1	1.892	Pass
		925	1	1.884	Pass



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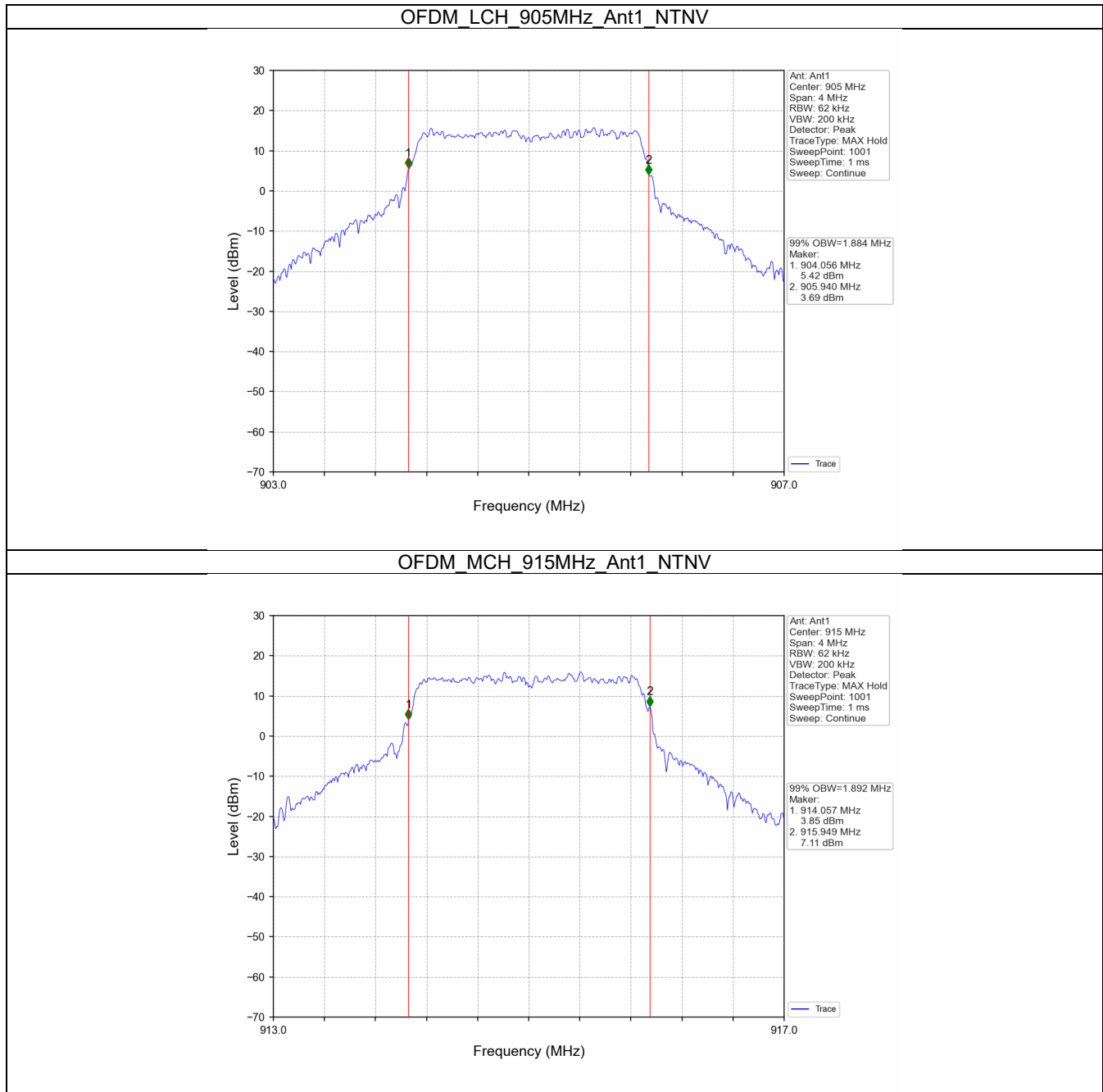
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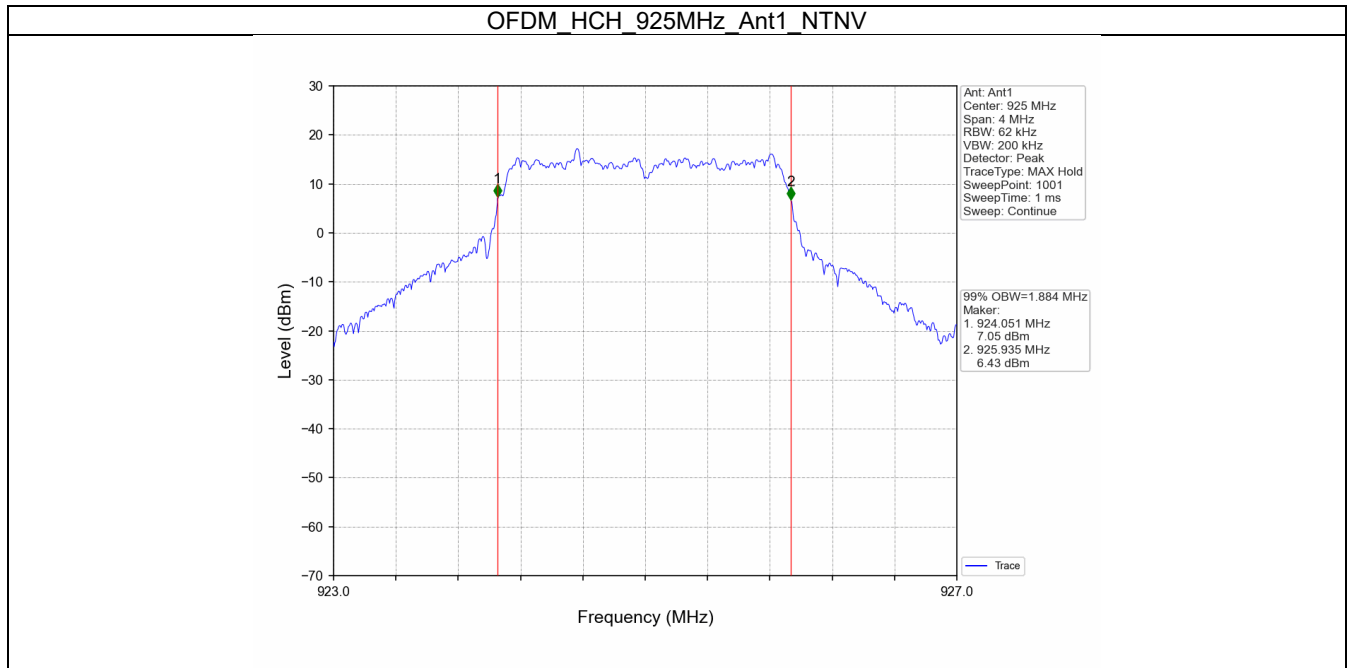
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2.1.2 Test Graph





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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	905	1	1.806	≥ 0.5	Pass
		915	1	1.801	≥ 0.5	Pass
		925	1	1.785	≥ 0.5	Pass



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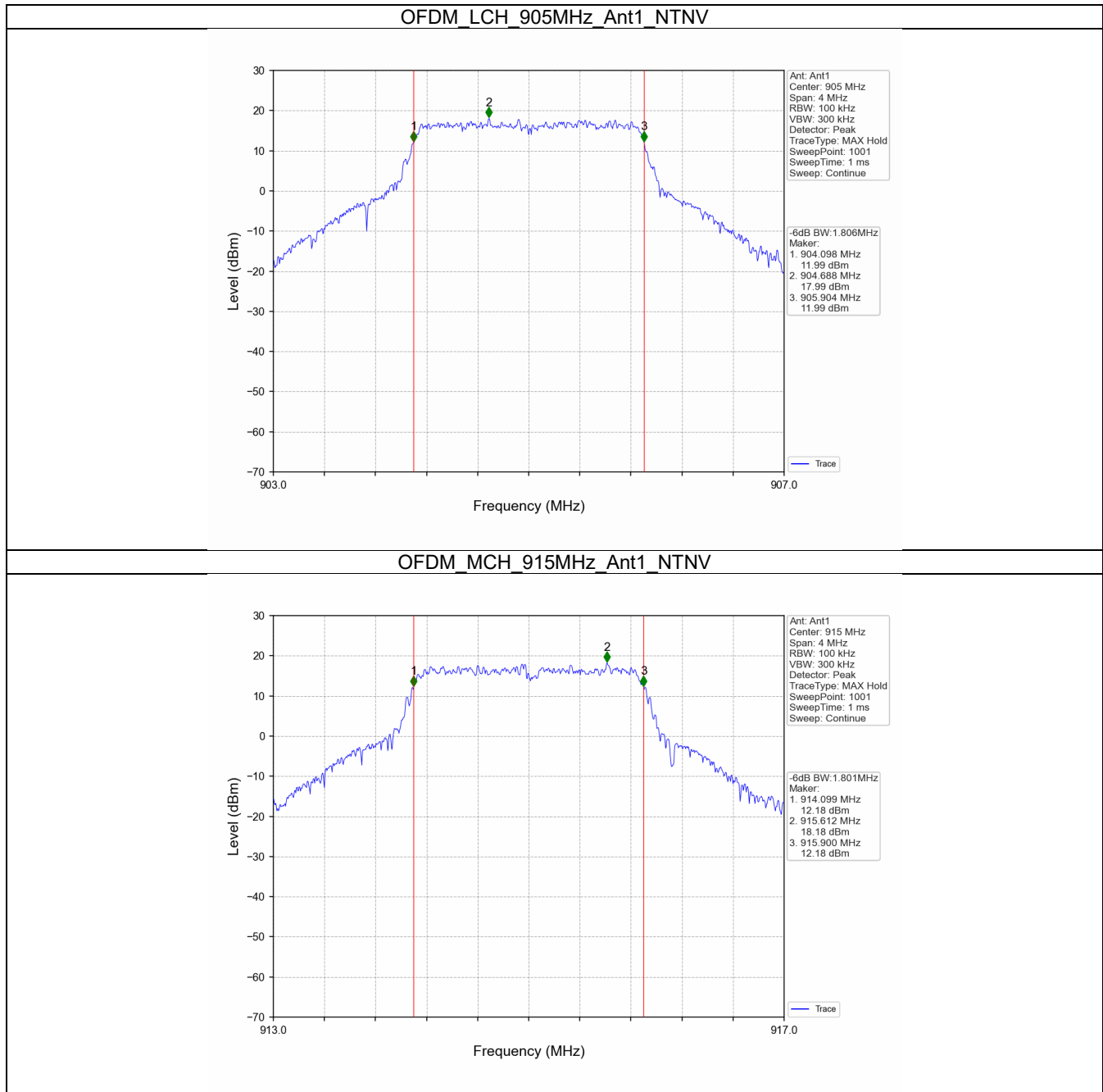
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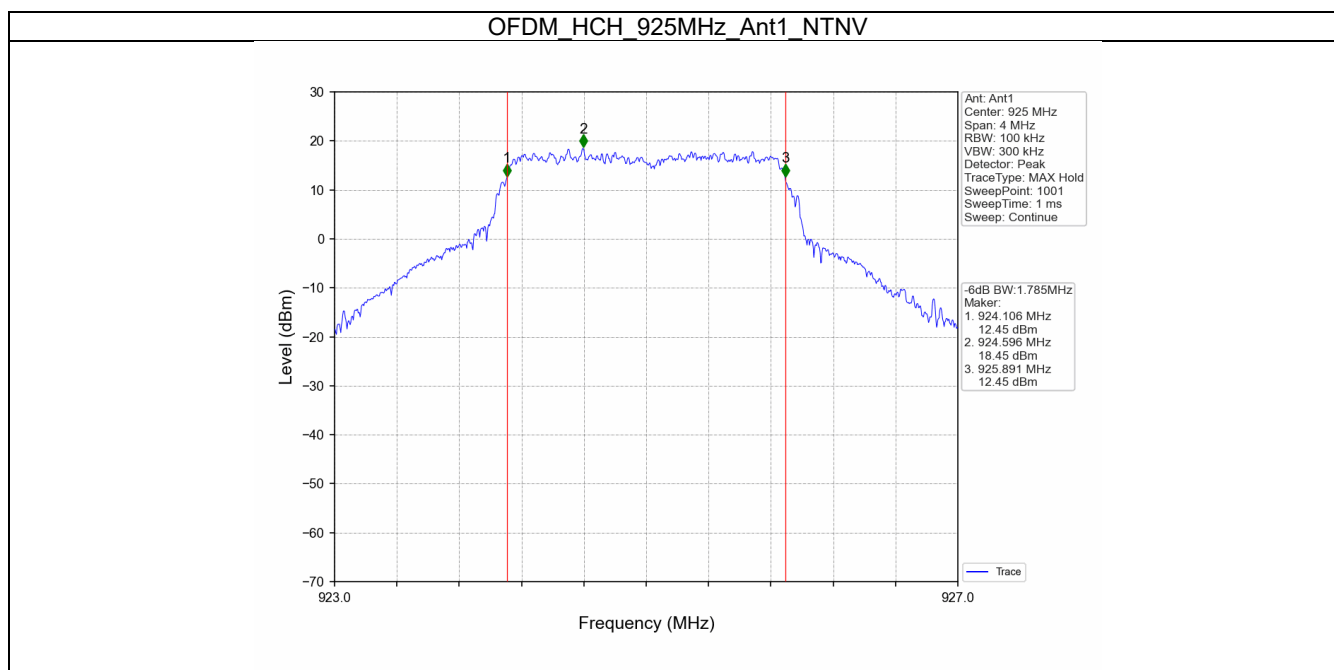
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2.2.2 Test Graph





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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	905	26.31	<=30	Pass
		915	26.31	<=30	Pass
		925	26.30	<=30	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



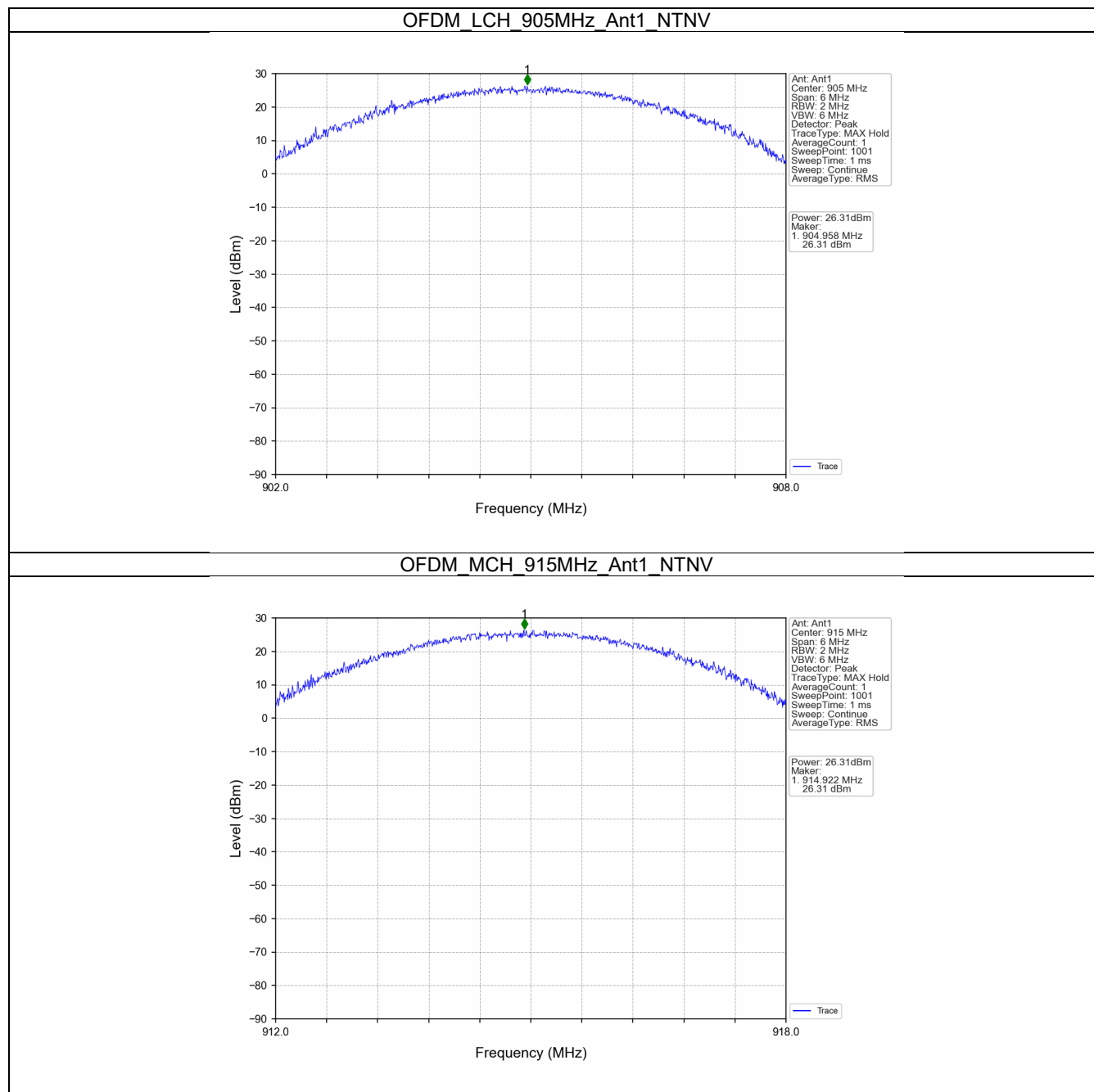
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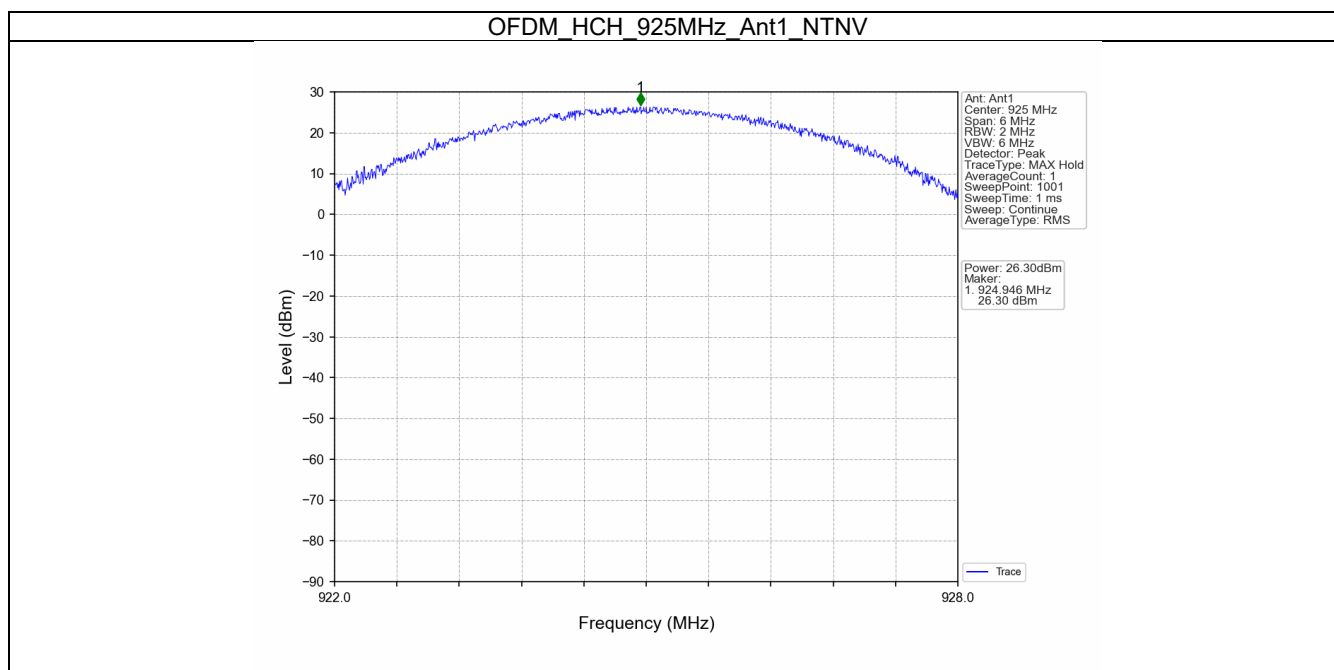
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4. Maximum Power Spectral Density

4.1 PSD

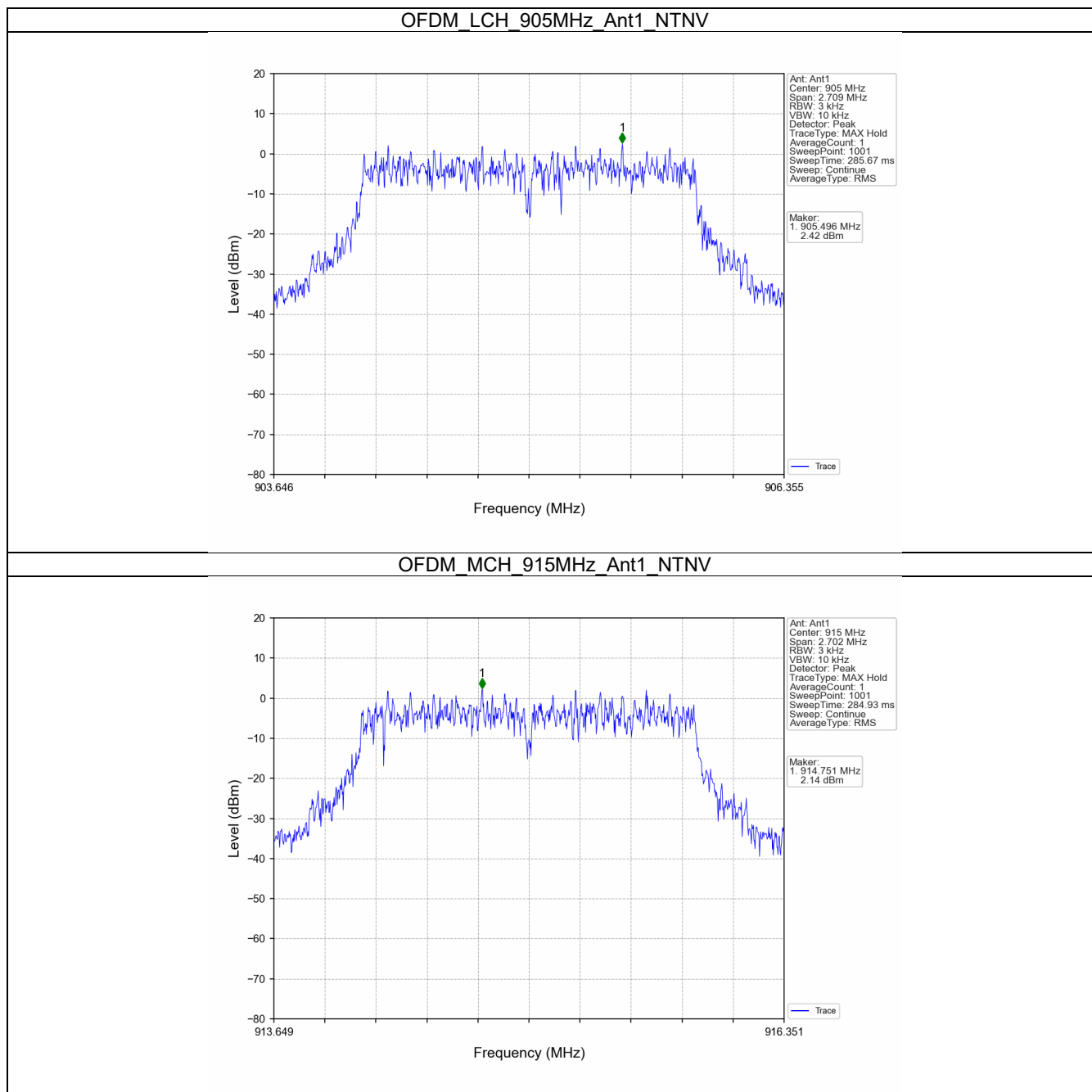
4.1.1 Test Result

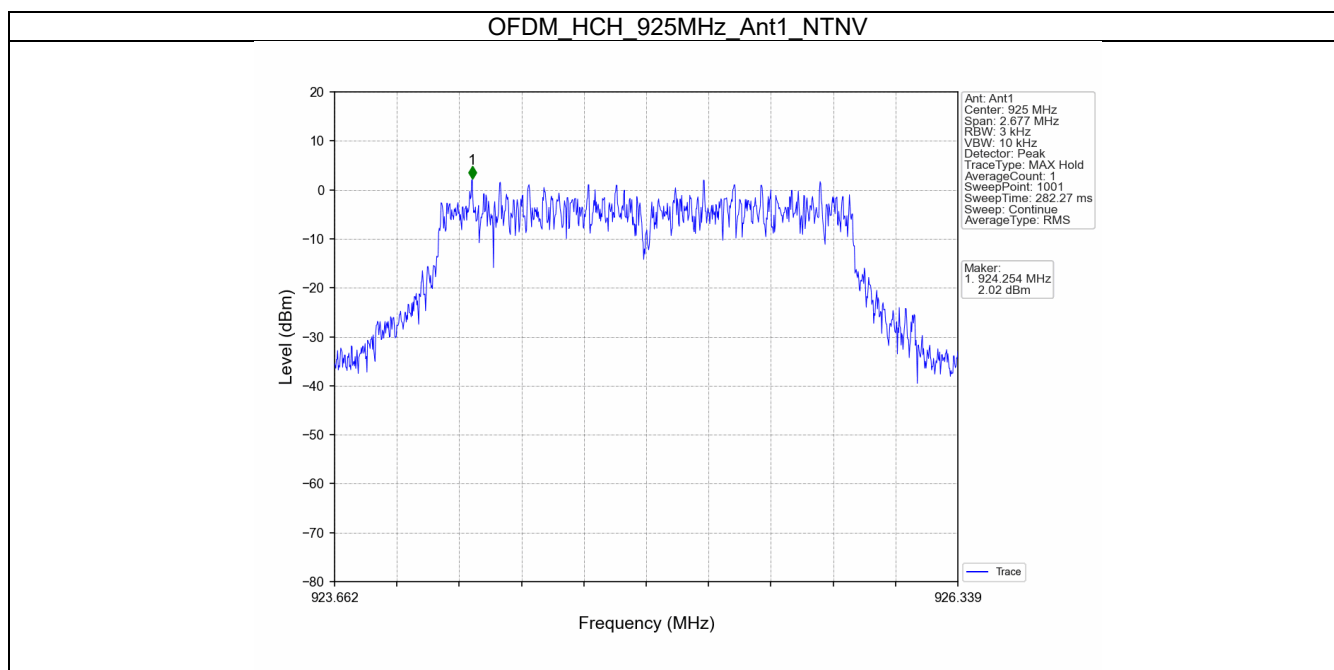
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
OFDM	SISO	905	2.42	<=8	Pass
		915	2.14	<=8	Pass
		925	2.02	<=8	Pass

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

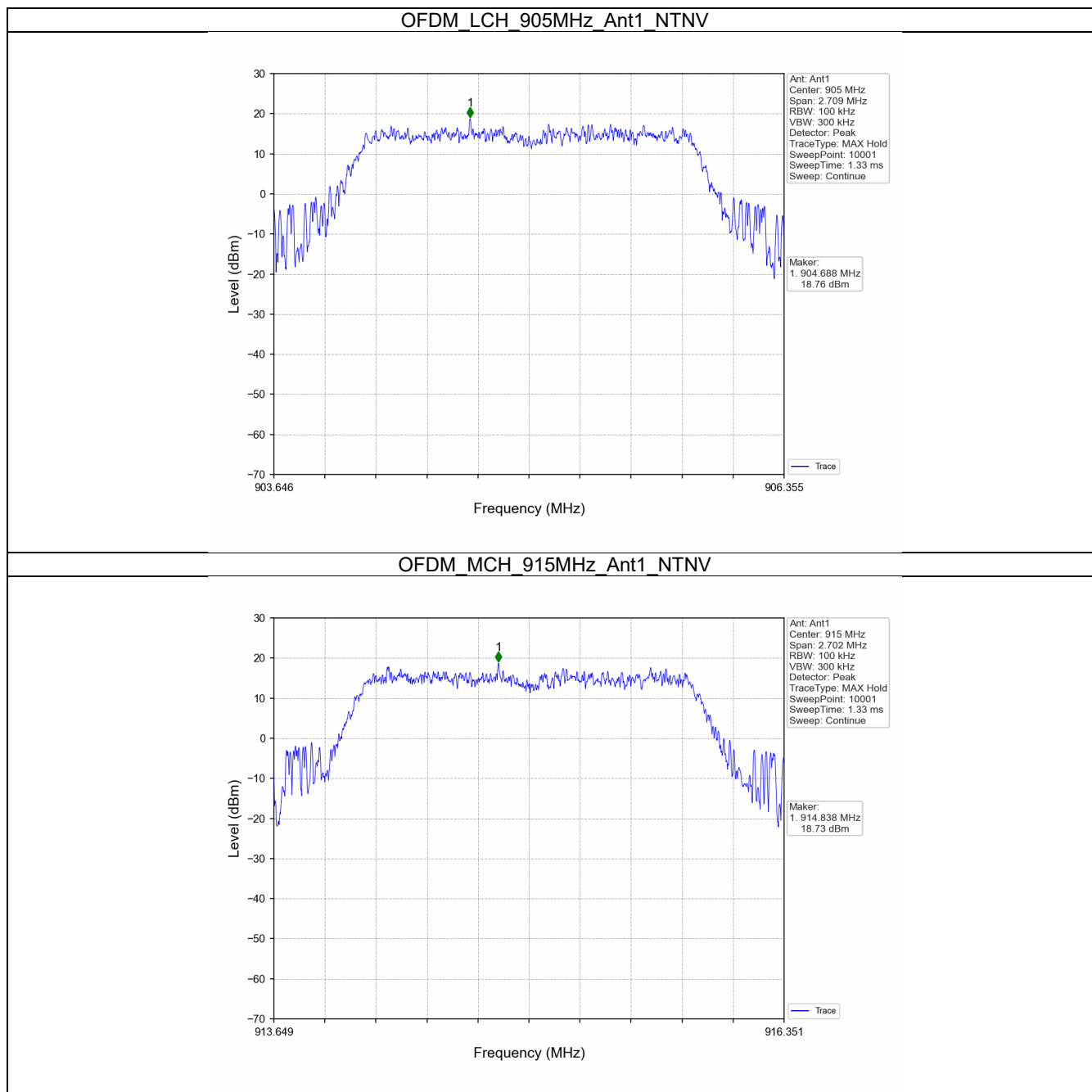
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
OFDM	SISO	905	1	18.76
		915	1	18.73
		925	1	17.69

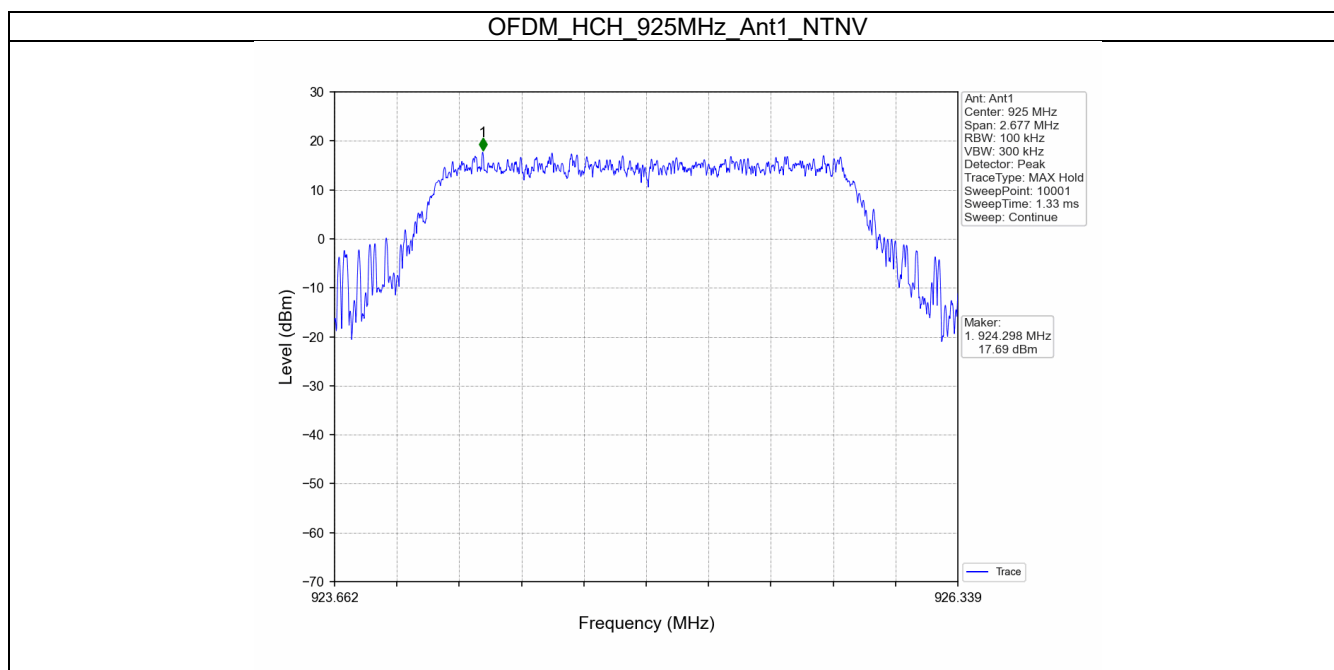
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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

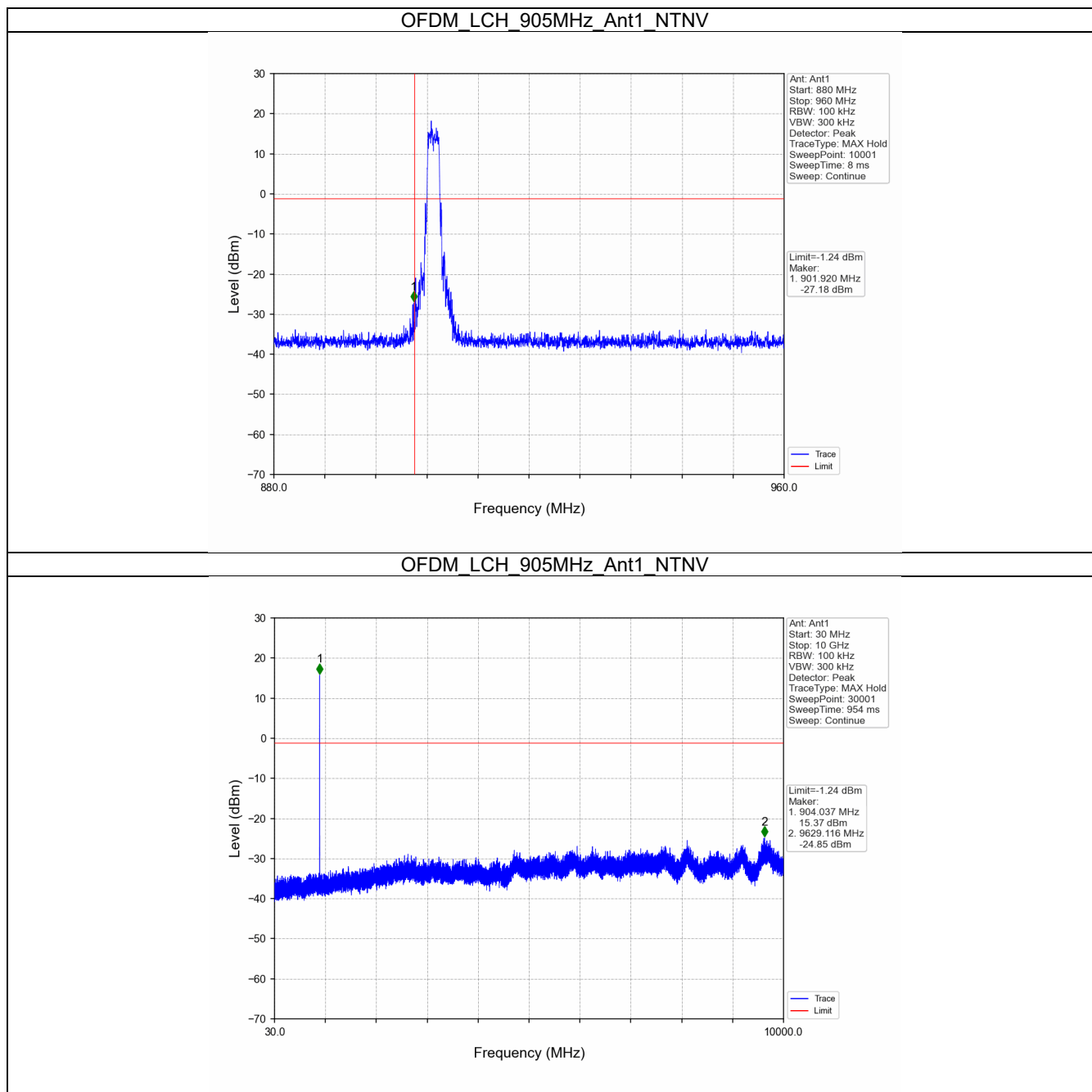
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
OFDM	SISO	905	1	18.76	-1.24	Pass
		915	1	18.76	-1.24	Pass
		925	1	18.76	-1.24	Pass

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



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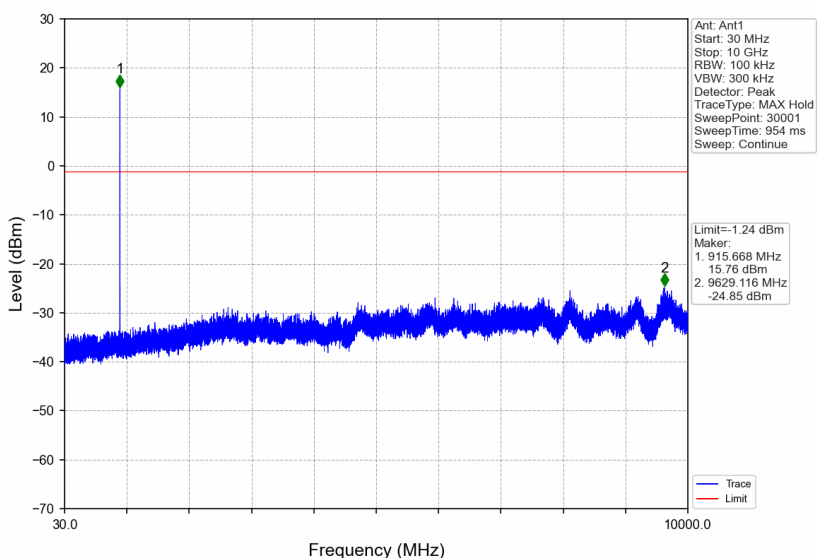
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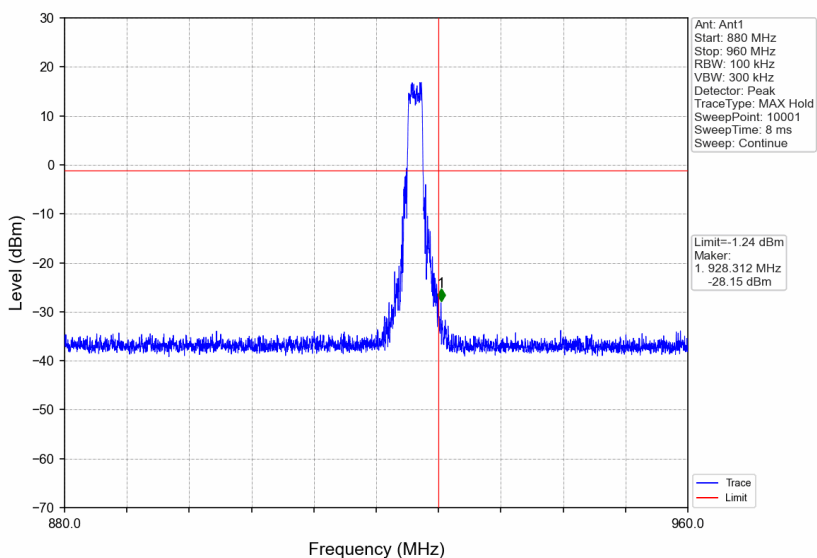
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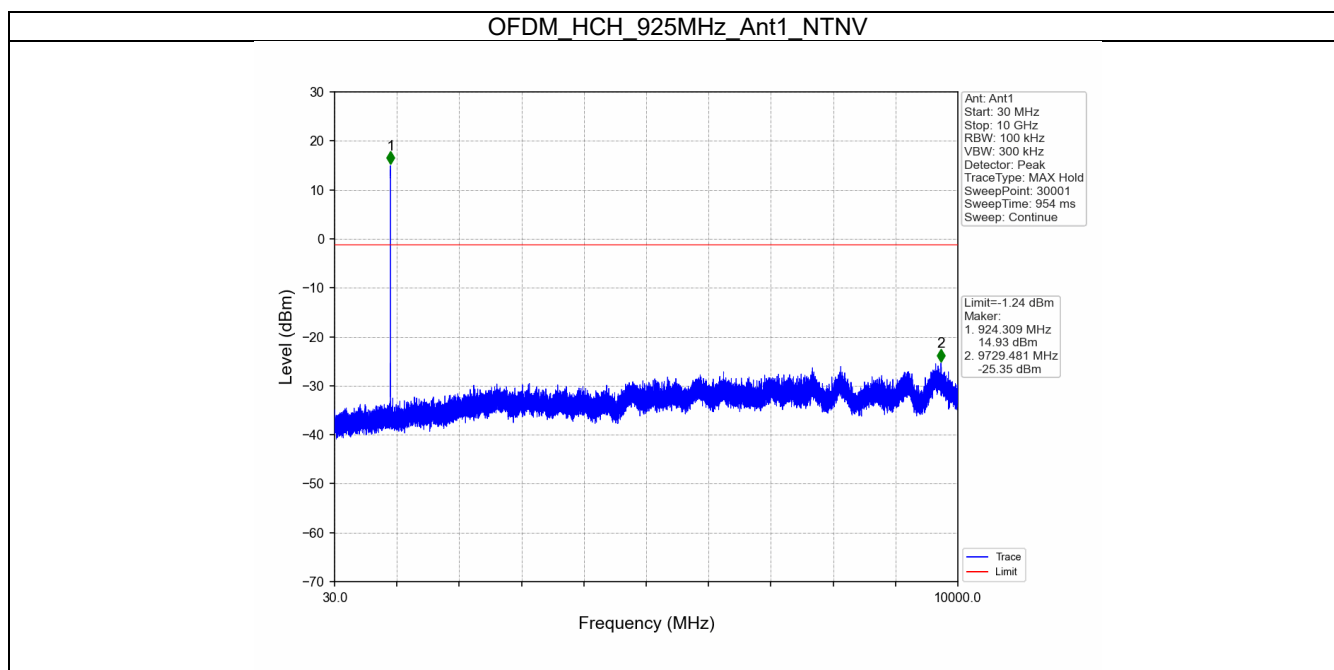
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OFDM_MCH_915MHz_Ant1_NTNV



OFDM_HCH_925MHz_Ant1_NTNV





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