

Appendix A for SHCR220300054401-FCC-1M

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	903.5	1.370	6.999	19.57	7.08	0.11
		914.5	1.375	7.002	19.64	7.07	0.16
		926.5	1.376	6.999	19.66	7.06	0.07



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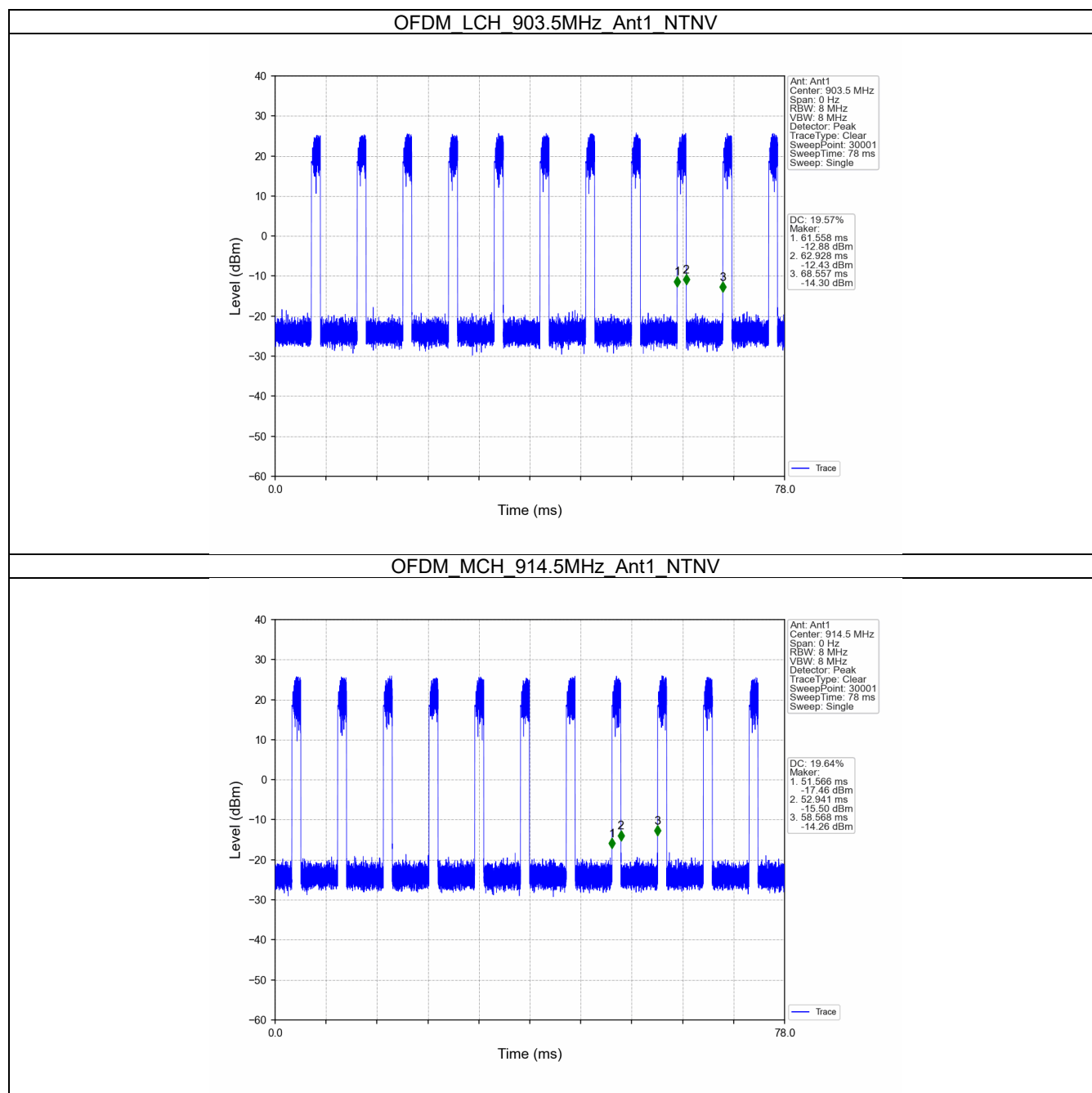
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1.1.2 Test Graph



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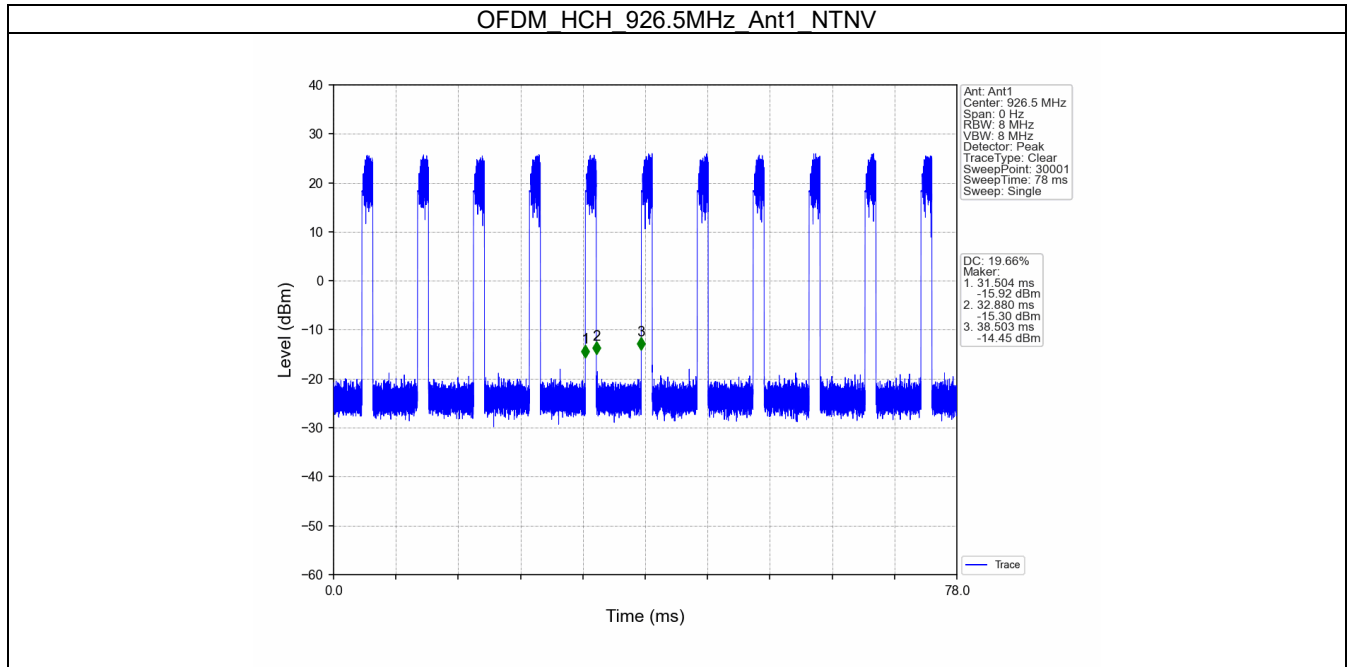
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
OFDM	SISO	903.5	1	0.891	Pass
		914.5	1	0.895	Pass
		926.5	1	0.894	Pass



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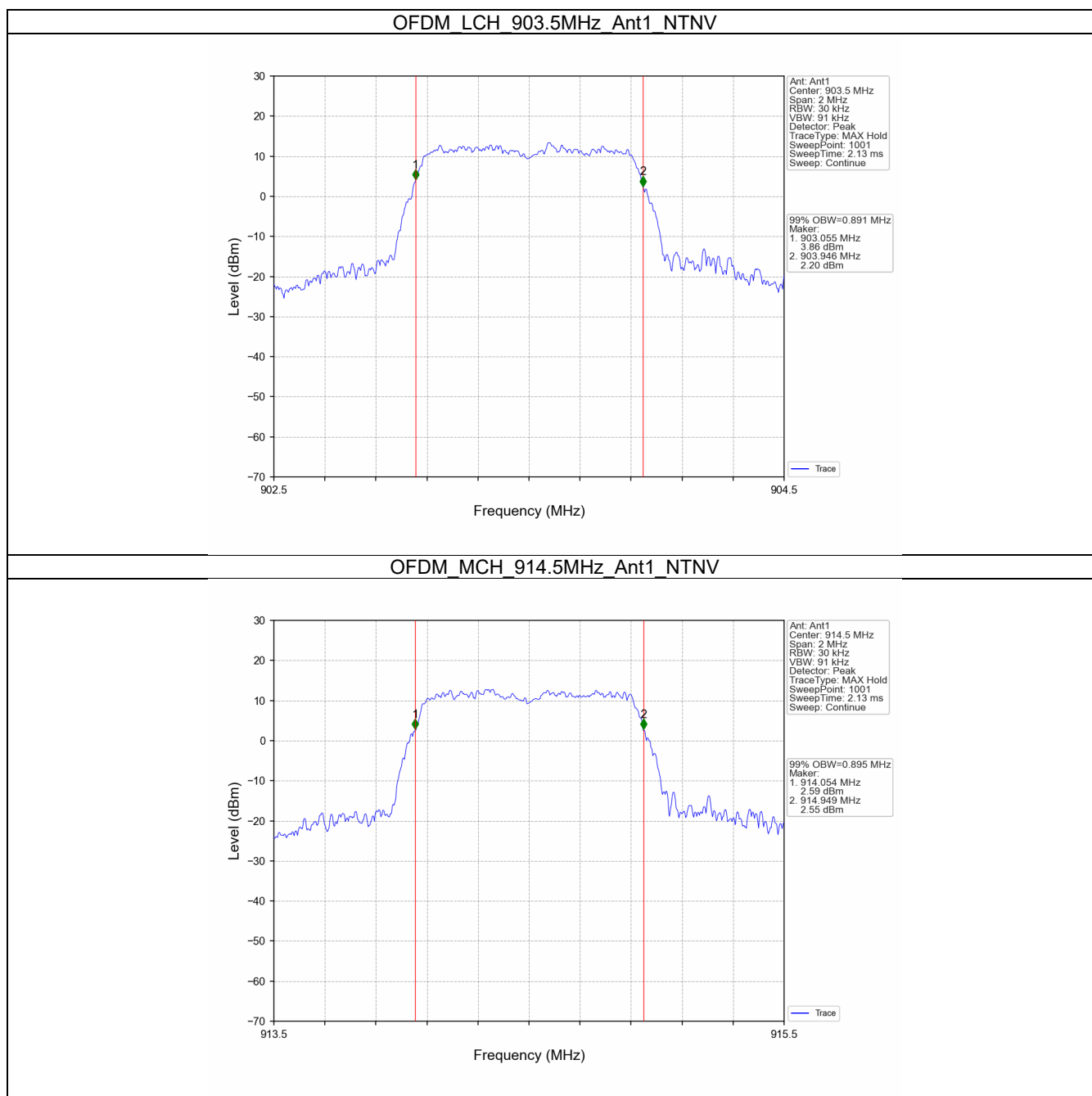
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2.1.2 Test Graph

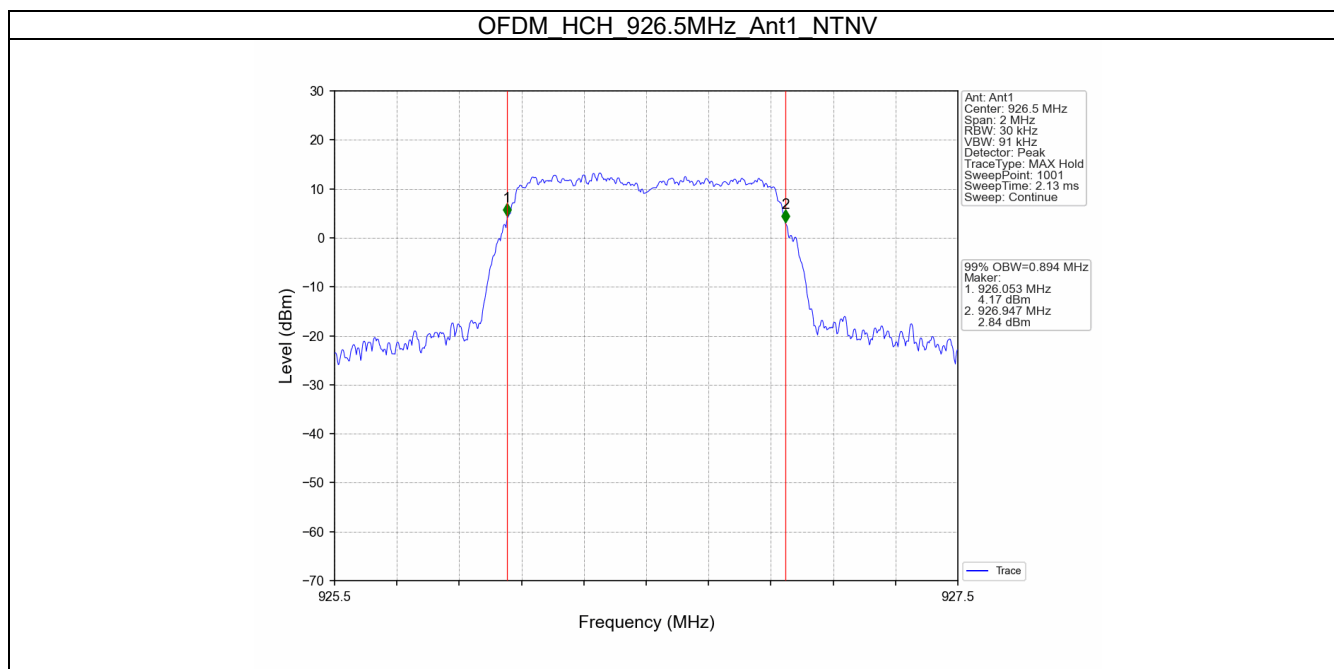


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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
OFDM	SISO	903.5	1	0.877	≥ 0.5	Pass
		914.5	1	0.867	≥ 0.5	Pass
		926.5	1	0.858	≥ 0.5	Pass



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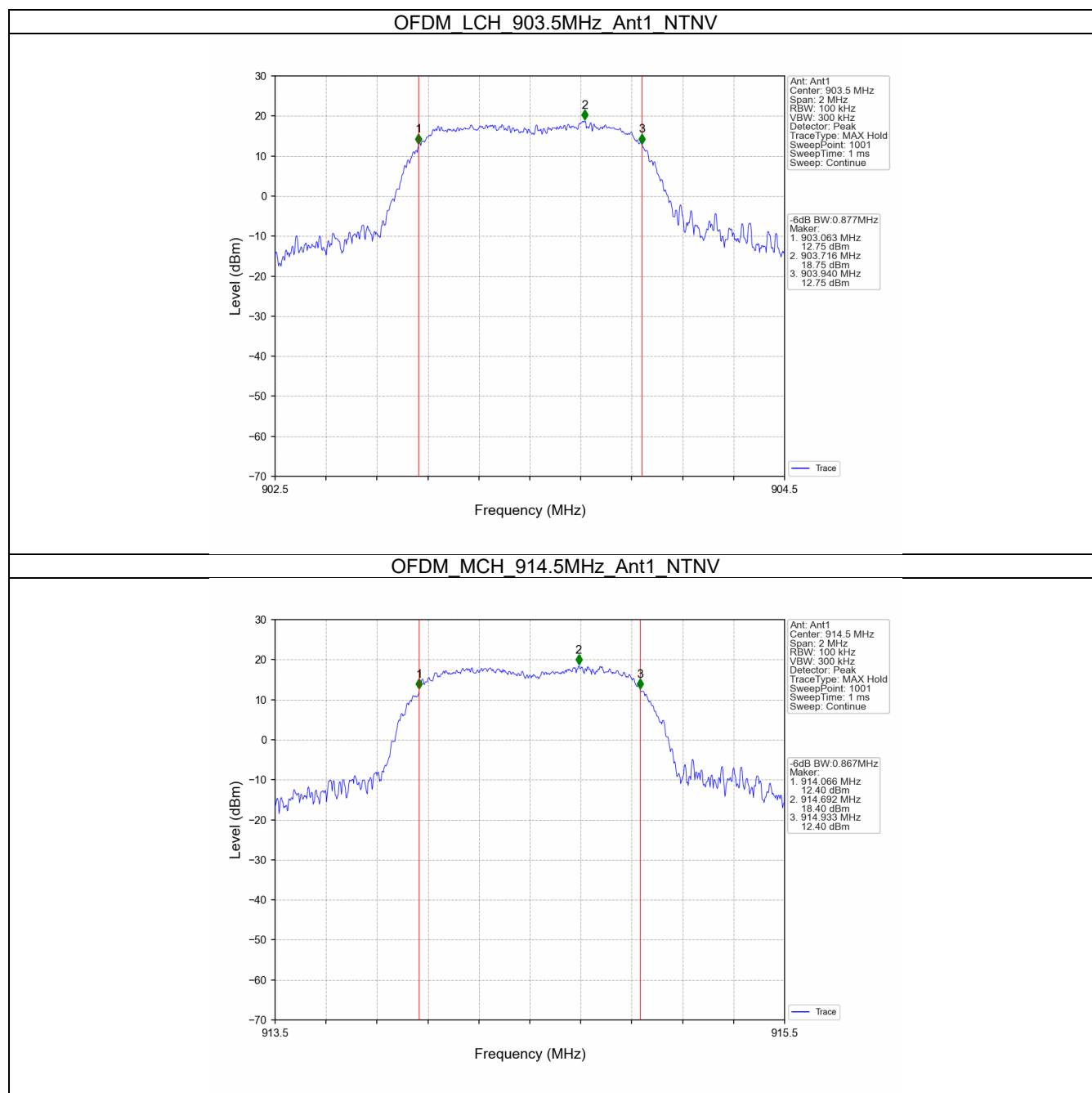
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2.2.2 Test Graph

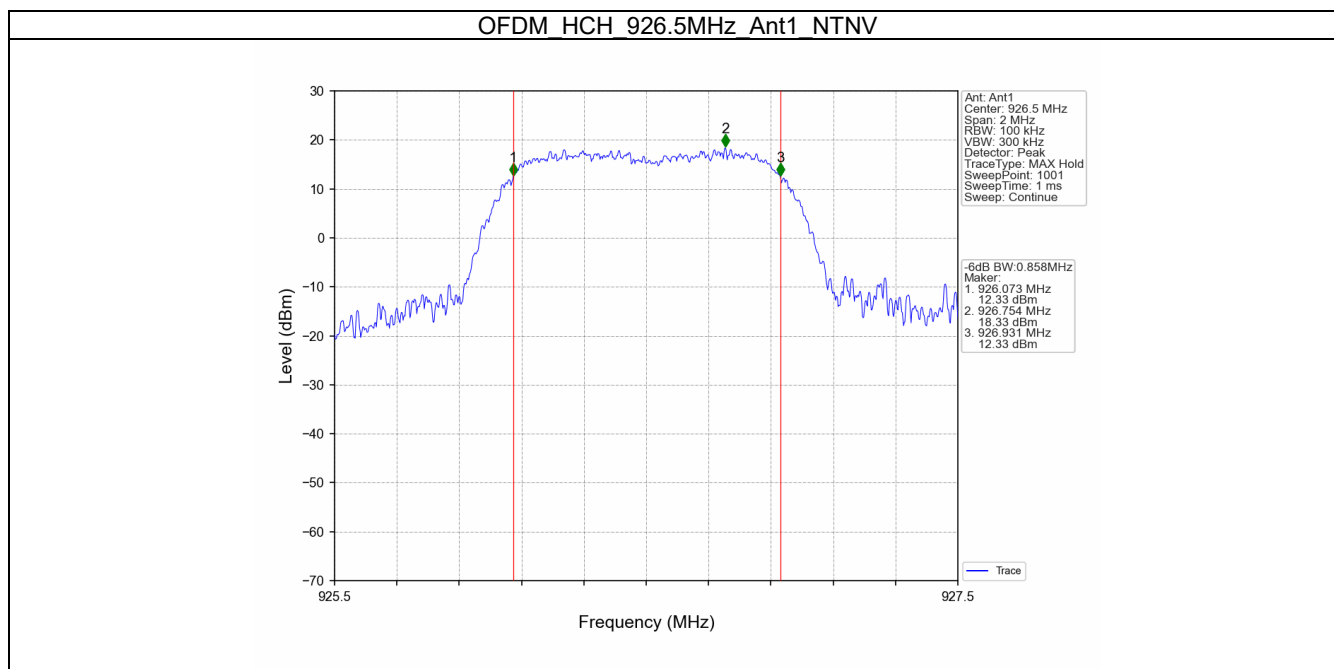


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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
OFDM	SISO	903.5	25.39	<=30	Pass
		914.5	25.59	<=30	Pass
		926.5	25.86	<=30	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;



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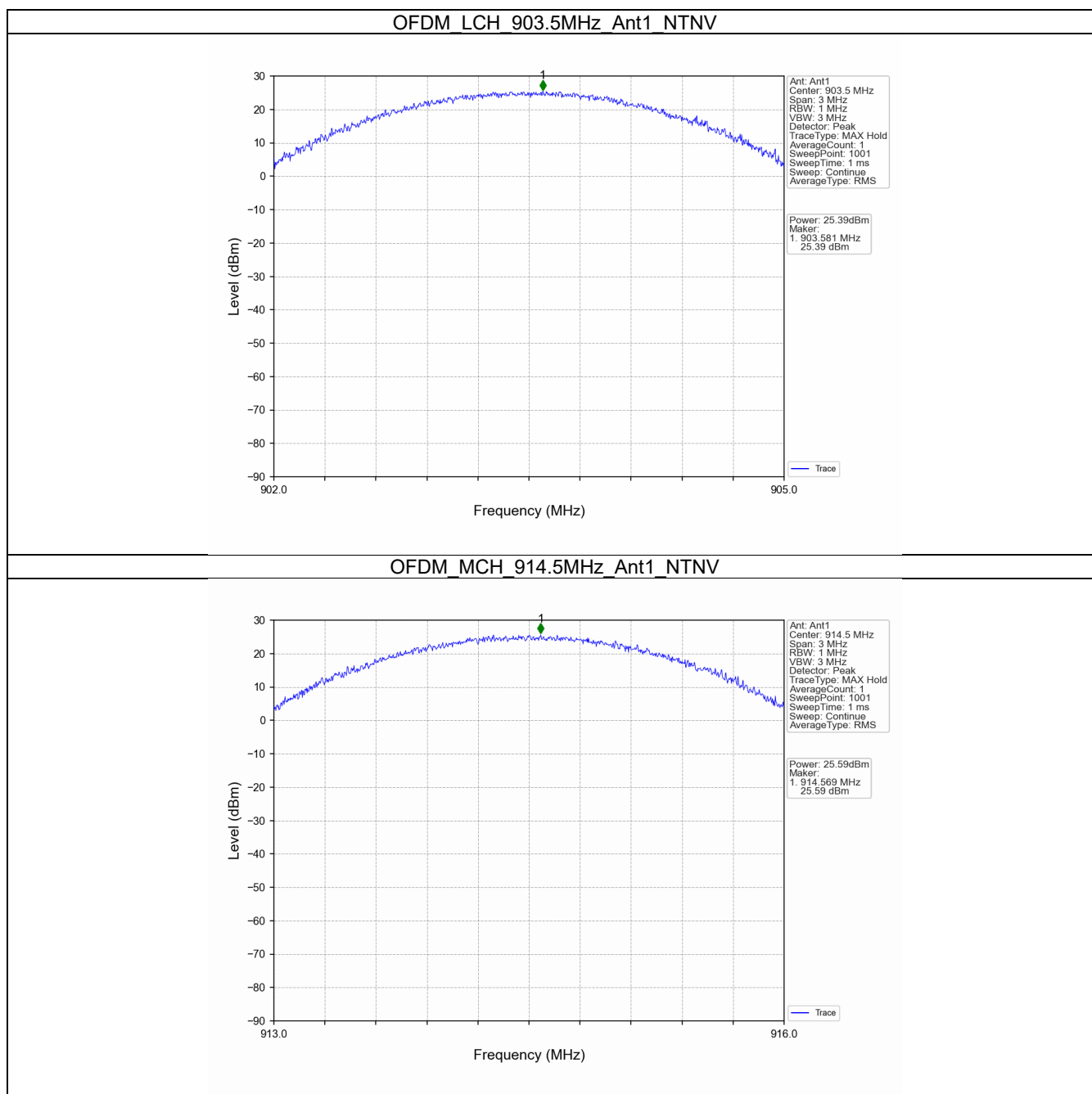
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3.1.2 Test Graph

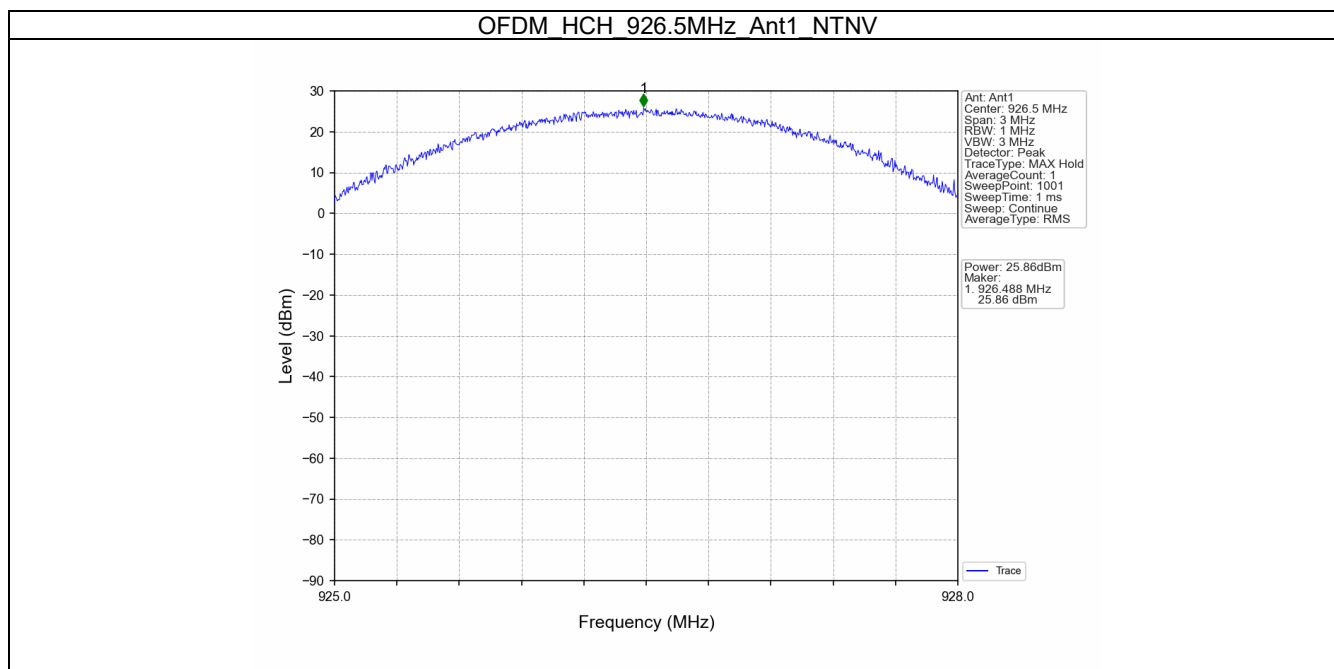


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4. Maximum Power Spectral Density

4.1 PSD

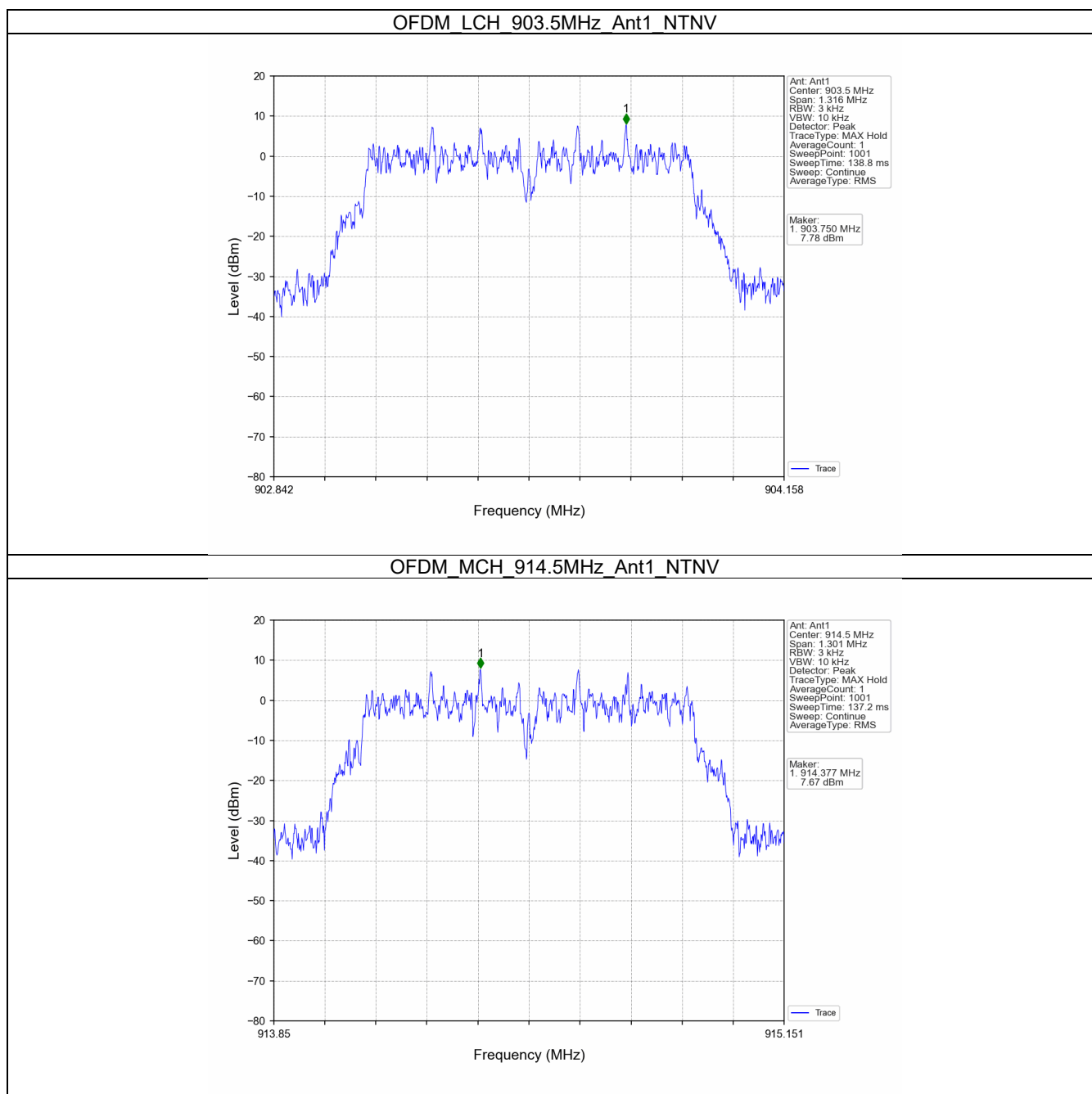
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
OFDM	SISO	903.5	7.78	<=8	Pass
		914.5	7.67	<=8	Pass
		926.5	7.62	<=8	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;



4.1.2 Test Graph



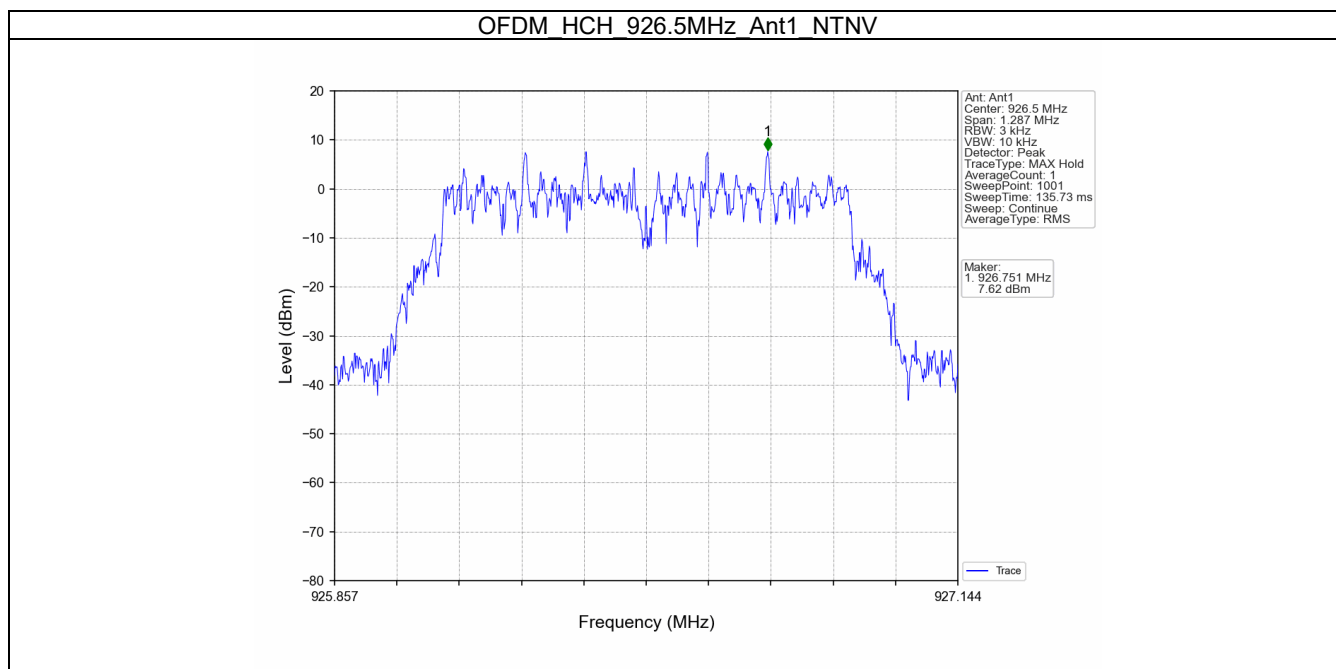
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

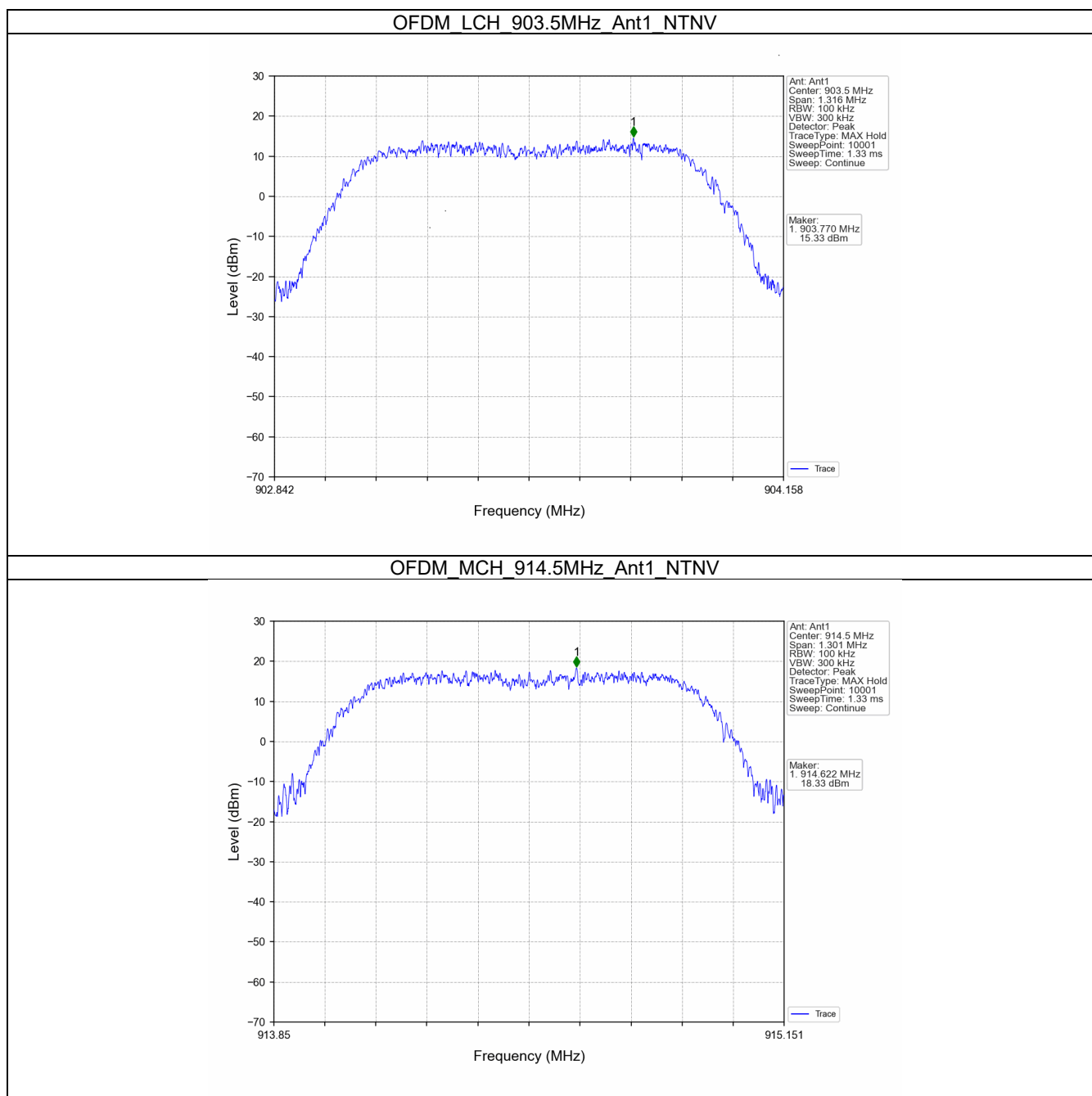
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
OFDM	SISO	903.5	1	15.33
		914.5	1	18.33
		926.5	1	17.94

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



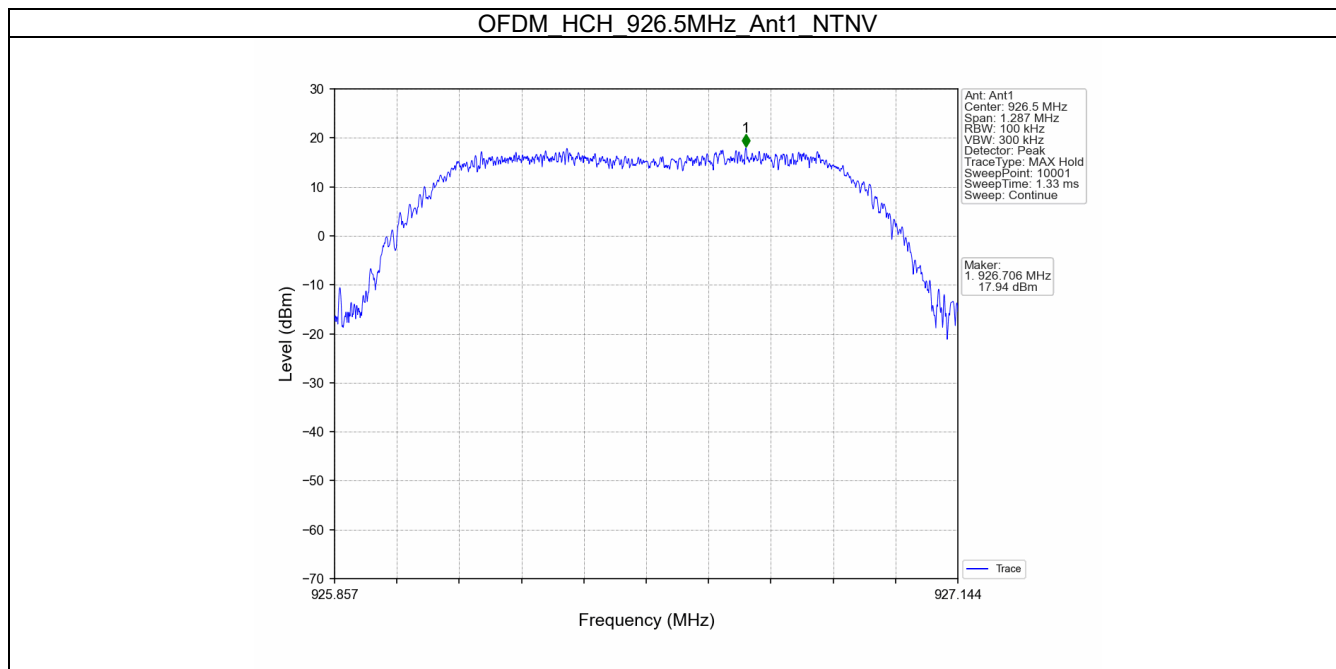
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
OFDM	SISO	903.5	1	18.33	-1.67	Pass
		914.5	1	18.33	-1.67	Pass
		926.5	1	18.33	-1.67	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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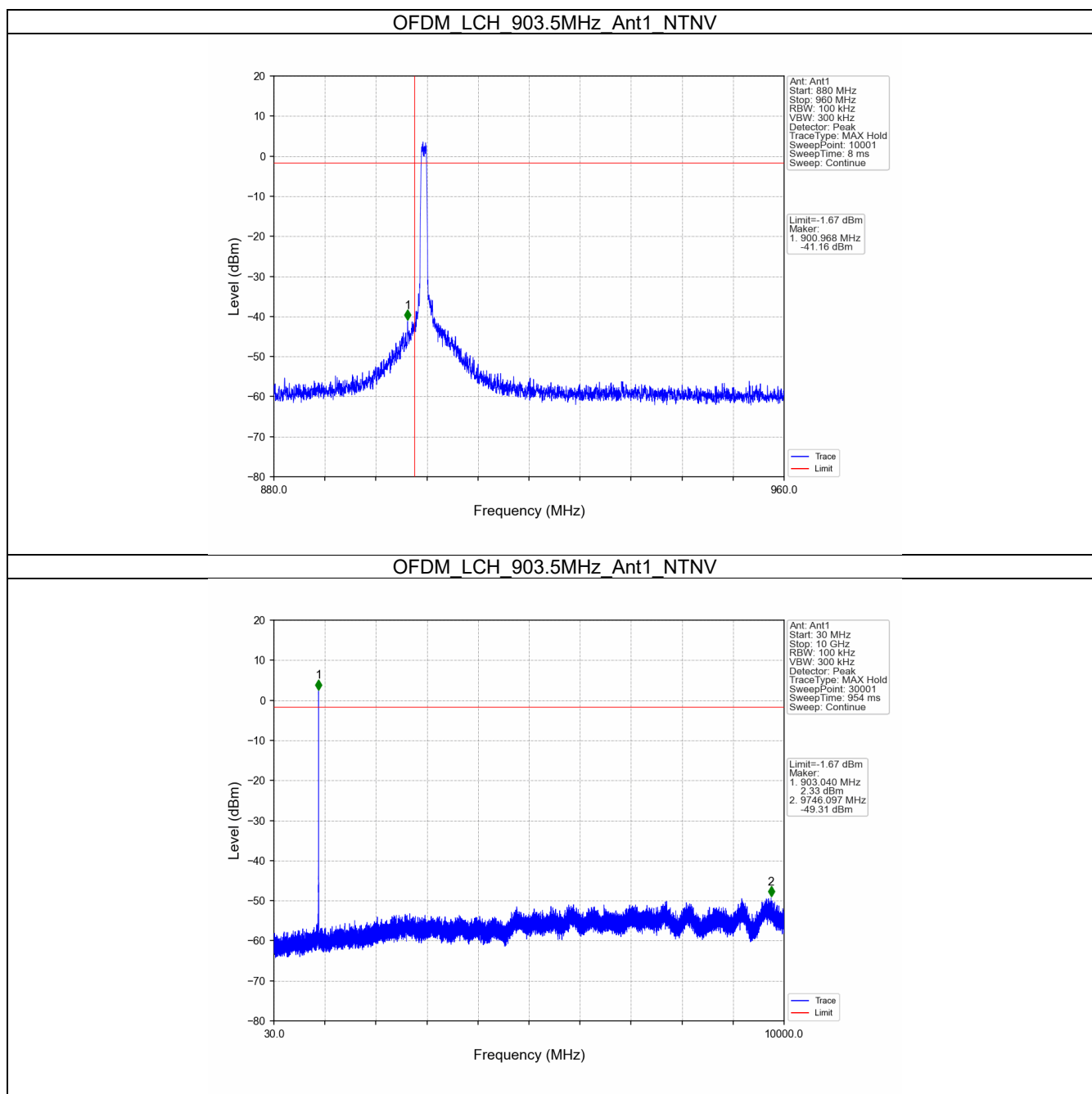
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5.2.2 Test Graph



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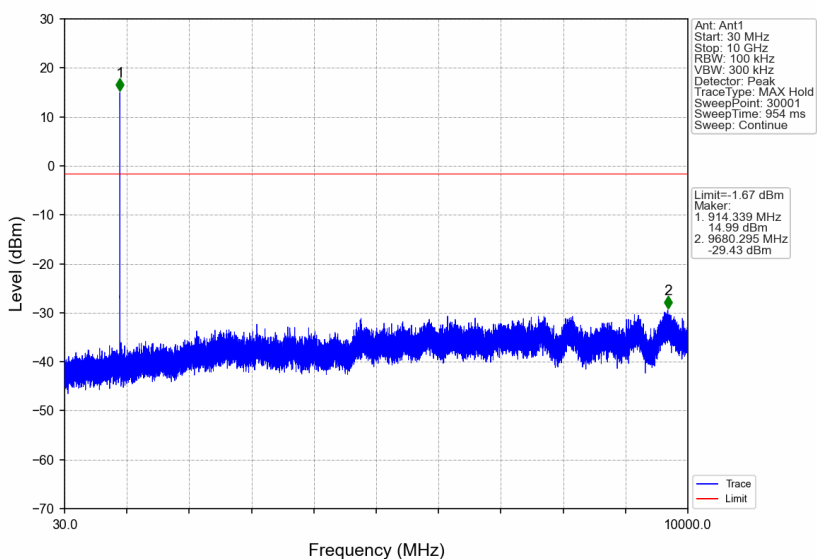
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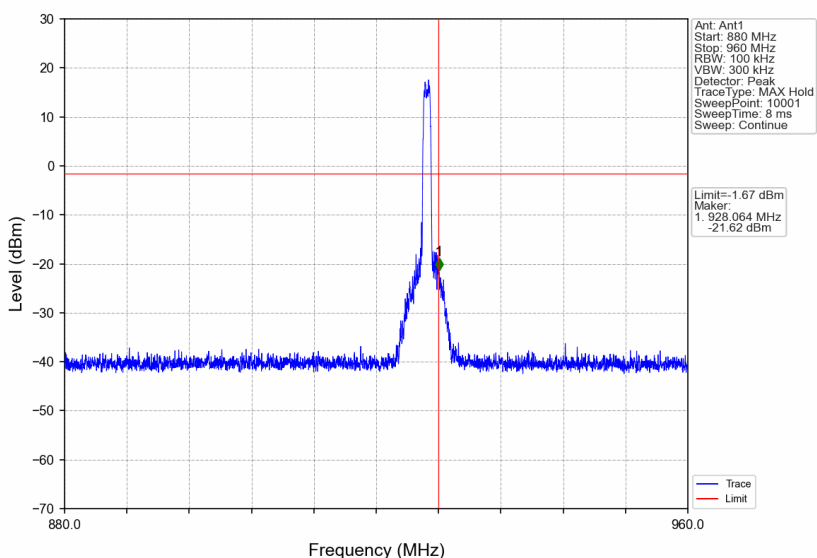
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OFDM MCH 914.5MHz Ant1 NTN



OFDM HCH 926.5MHz Ant1 NTN



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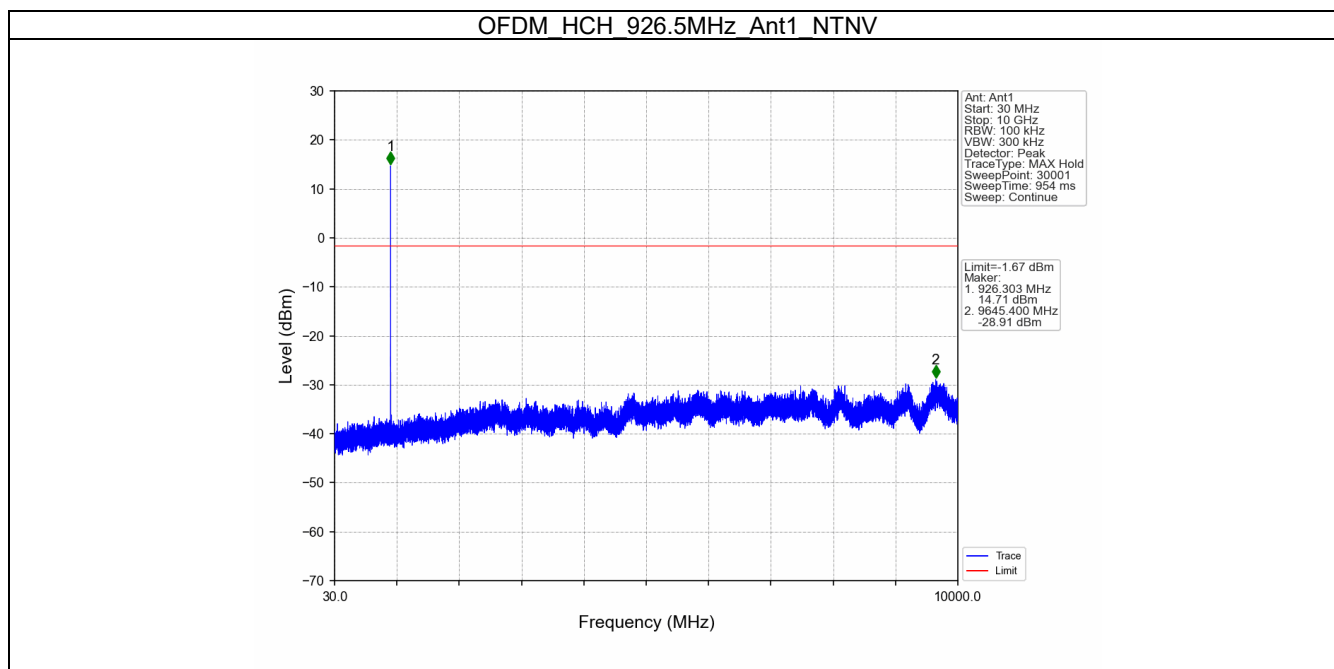
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