

Appendix A for SHCR220300054801-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 (%)
FSK	SISO	903.5	1.380	11.663	11.83	9.27	8.01
		914.5	1.376	12.576	10.94	9.61	8.29
		926.5	1.450	12.757	11.37	9.44	8.69



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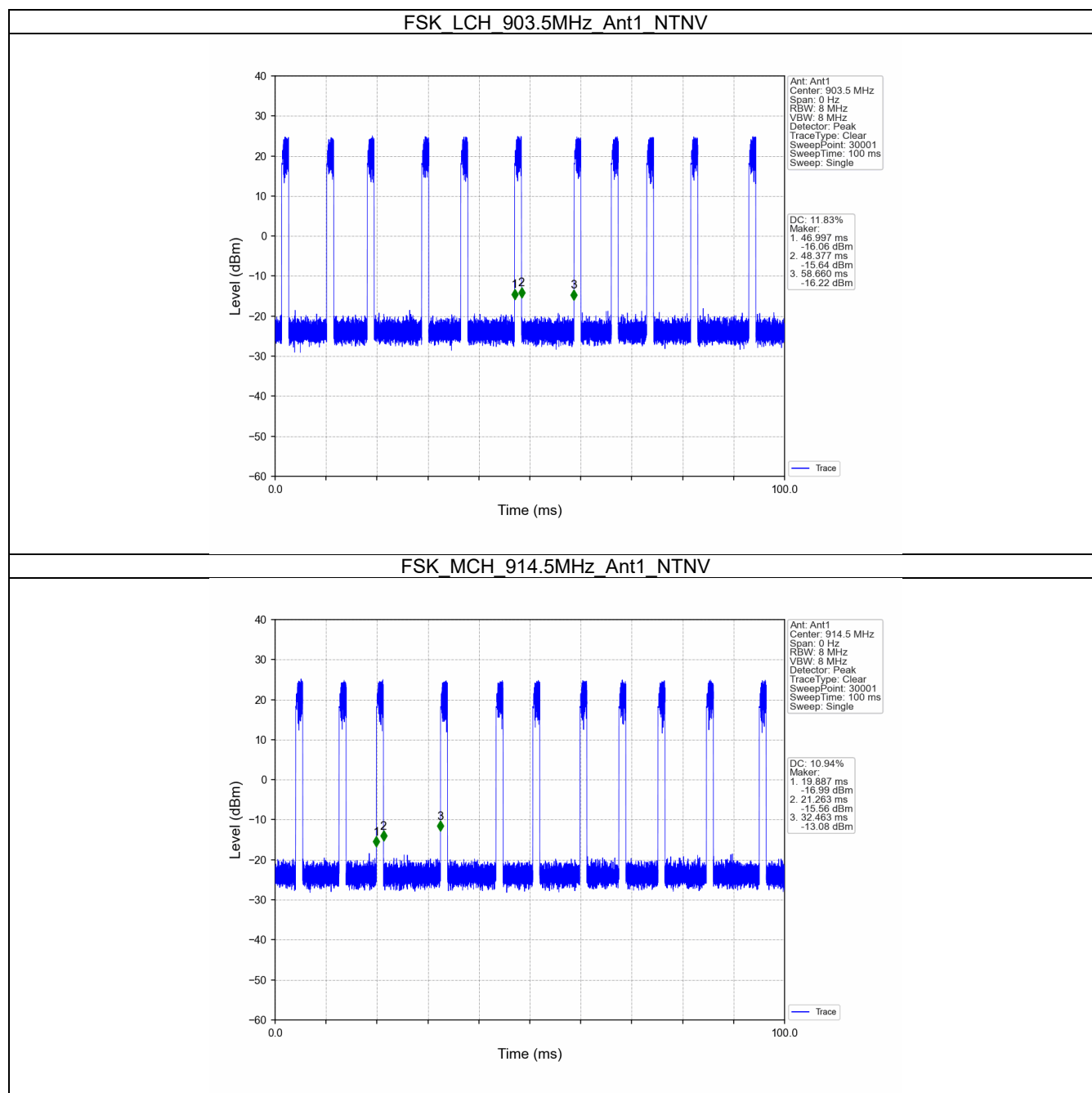
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1.1.2 Test Graph



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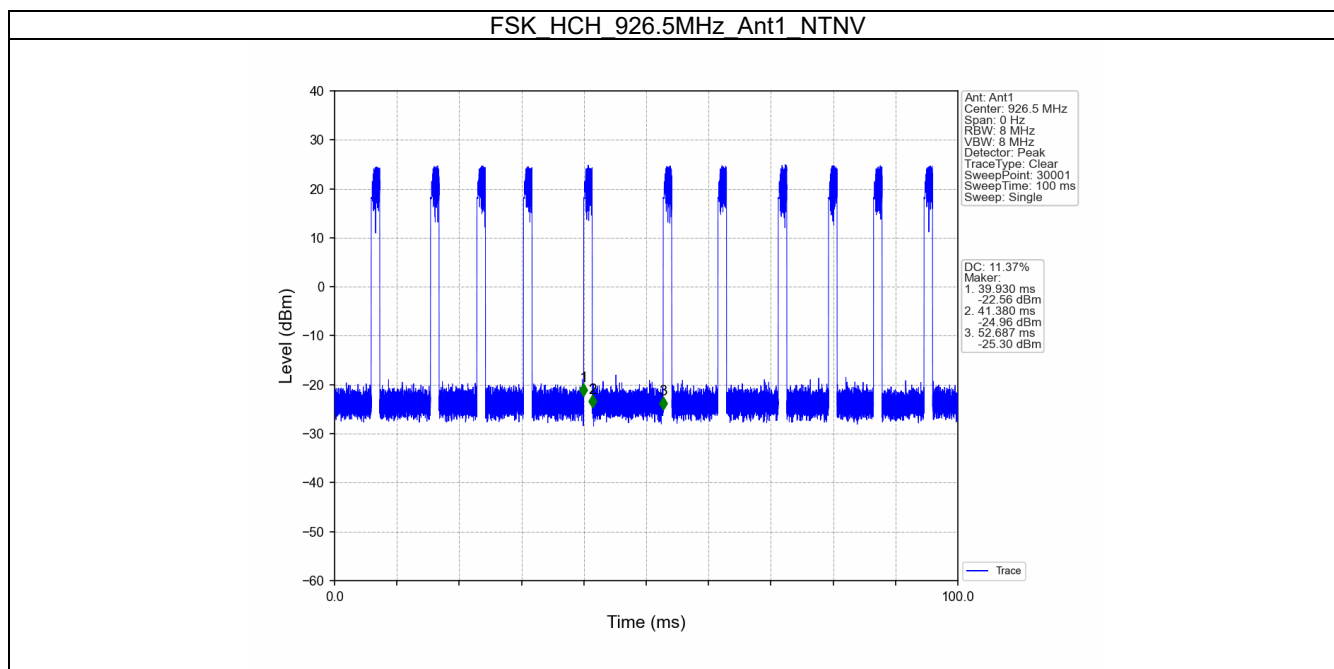
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
FSK	SISO	903.5	1	0.903	Pass
		914.5	1	0.907	Pass
		926.5	1	0.904	Pass



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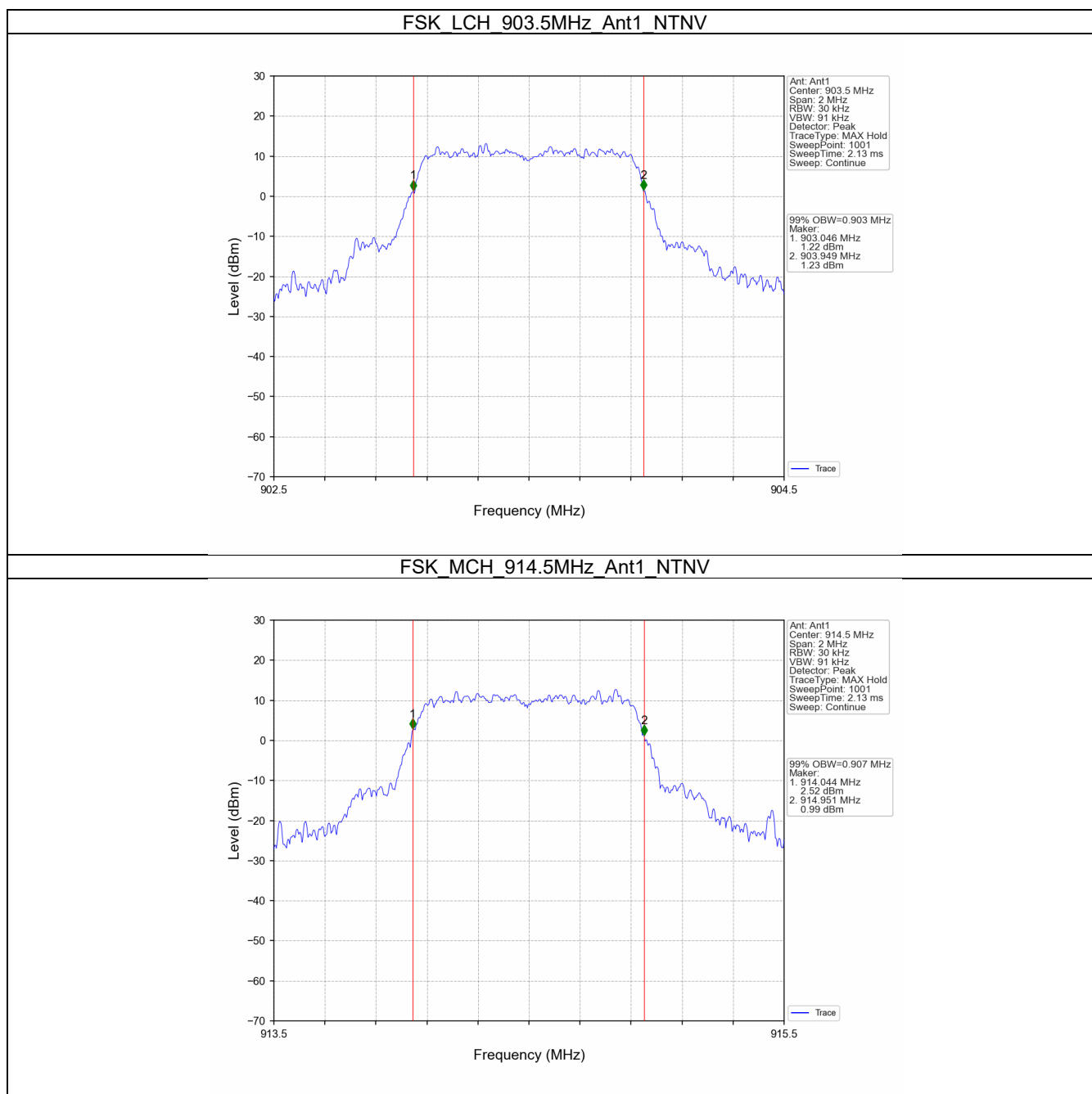
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2.1.2 Test Graph

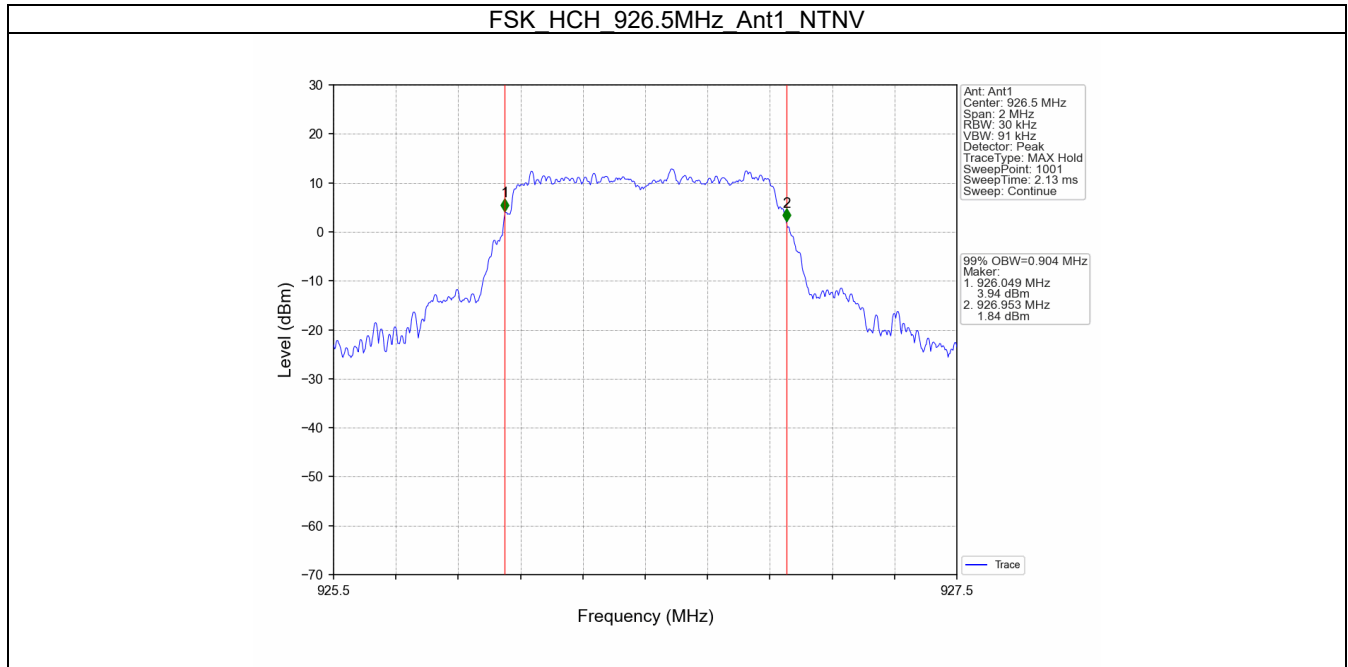


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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
FSK	SISO	903.5	1	0.856	≥ 0.5	Pass
		914.5	1	0.878	≥ 0.5	Pass
		926.5	1	0.890	≥ 0.5	Pass



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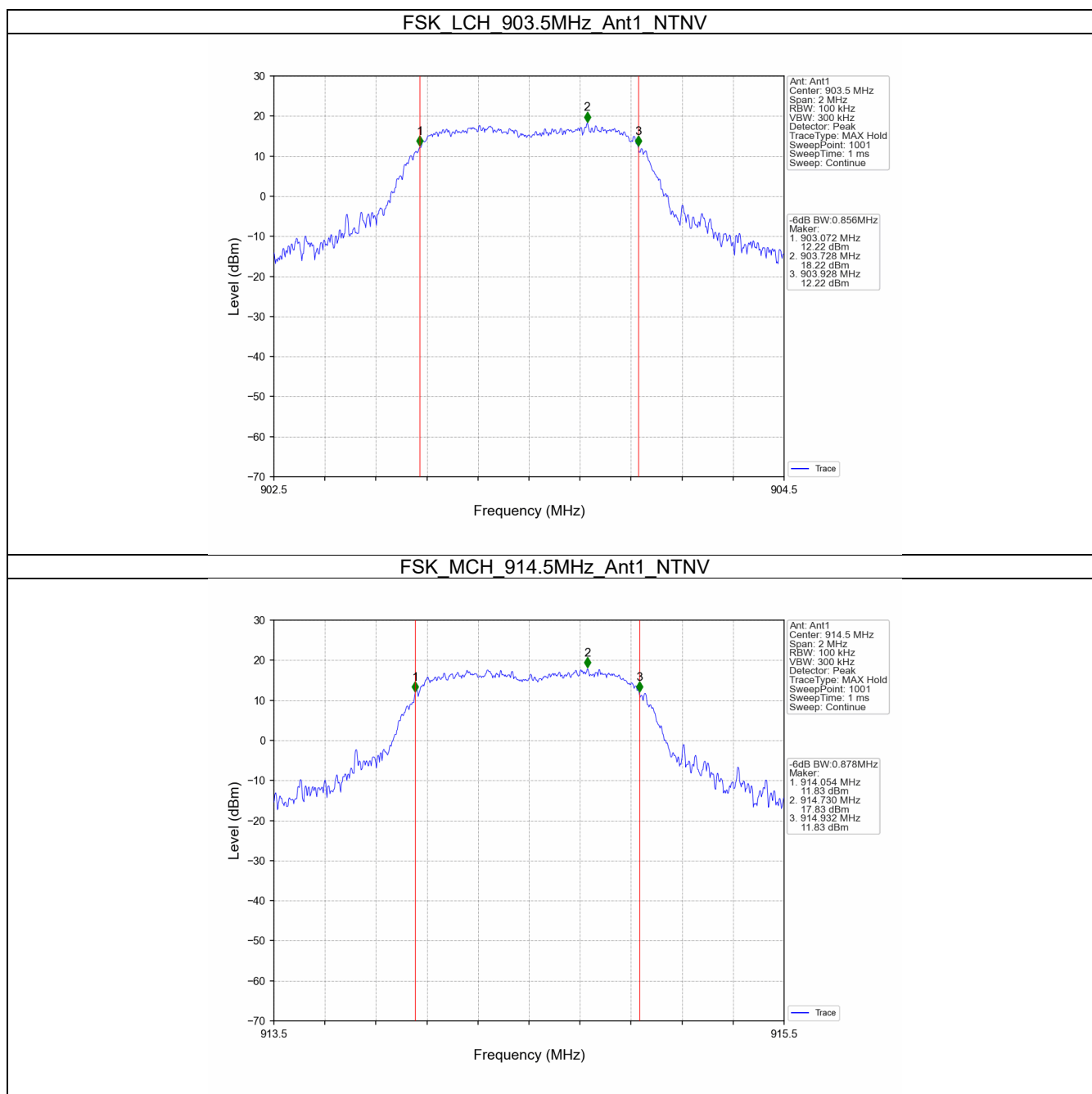
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2.2.2 Test Graph



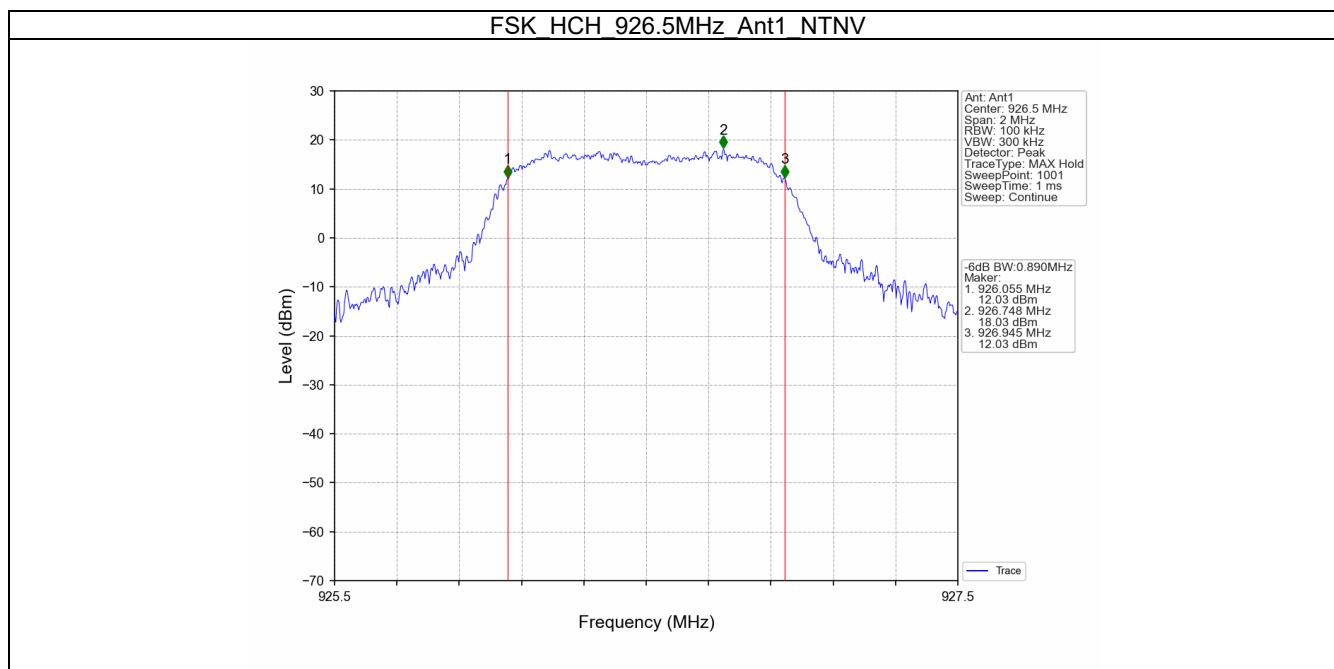
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
FSK	SISO	903.5	24.74	<=30	Pass
		914.5	24.72	<=30	Pass
		926.5	24.57	<=30	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



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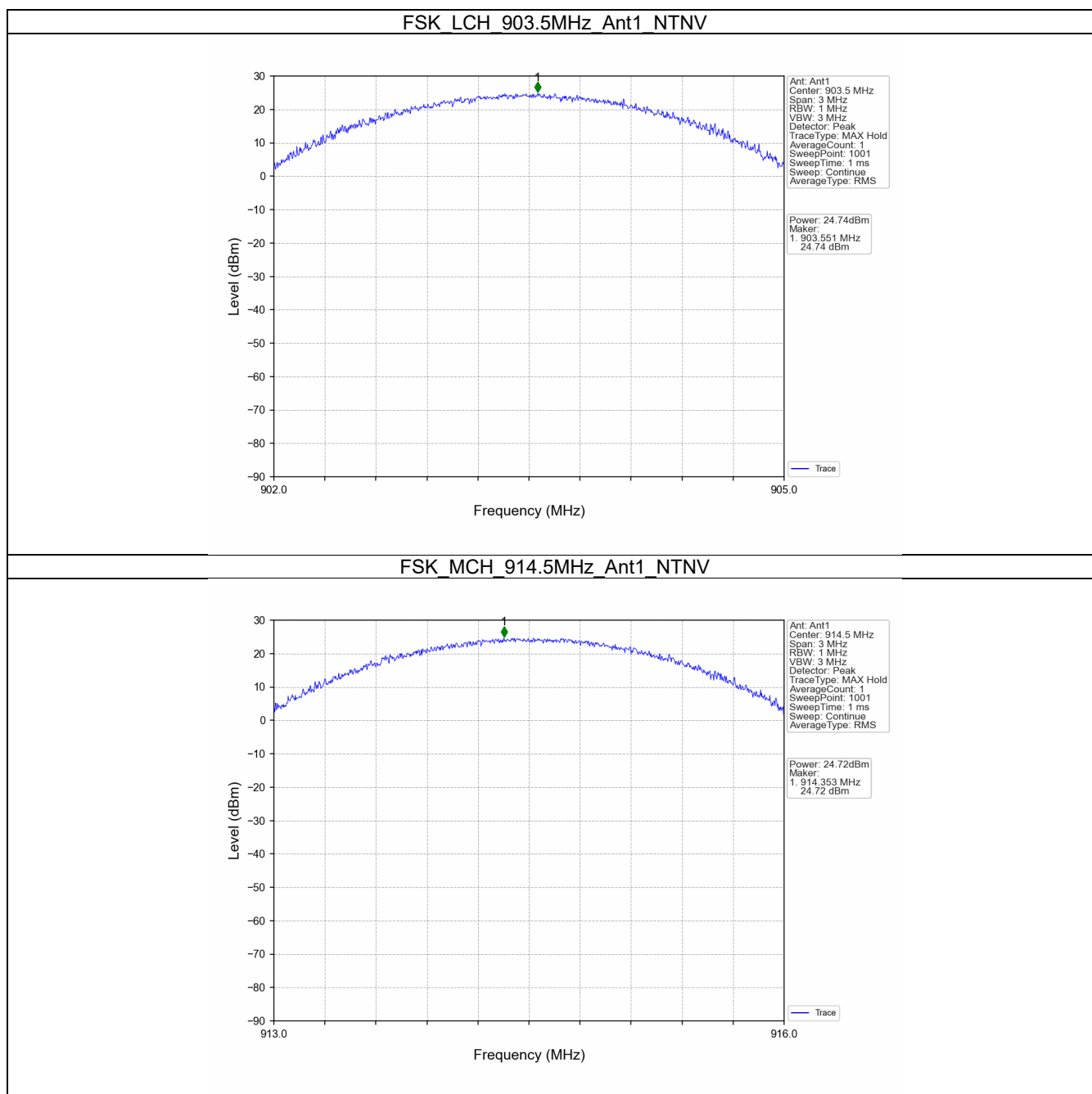
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3.1.2 Test Graph



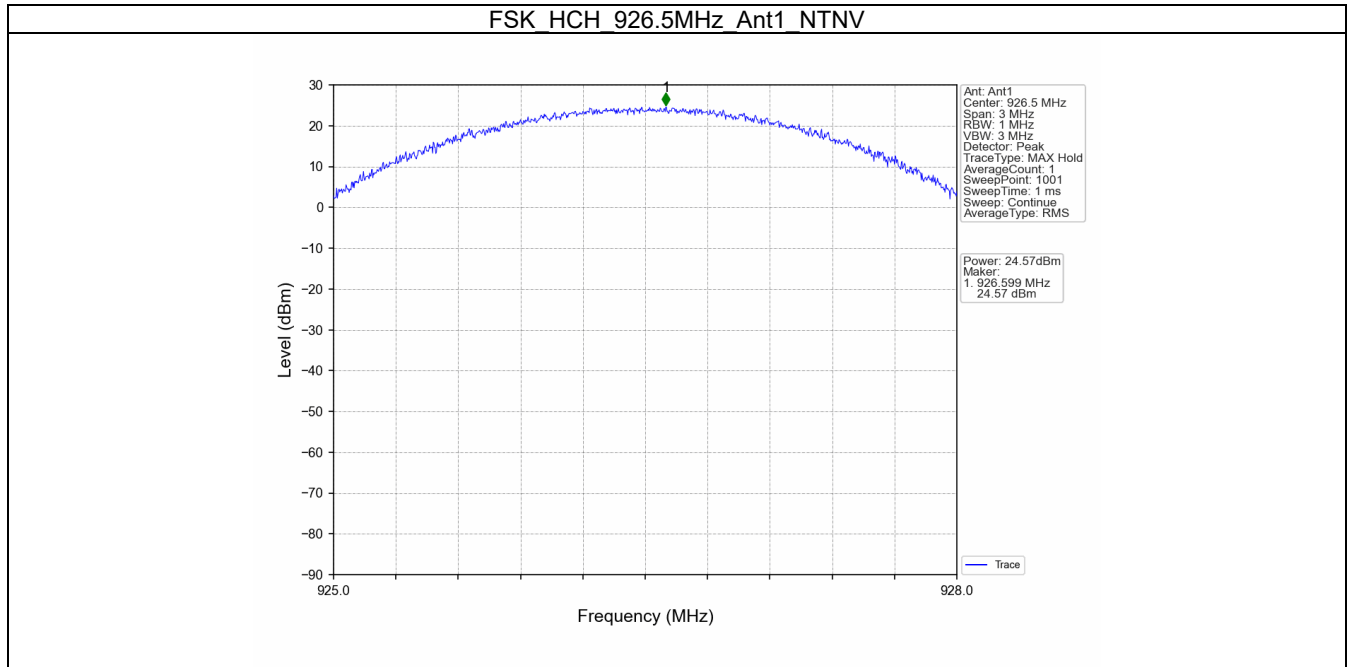
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4. Maximum Power Spectral Density

4.1 PSD

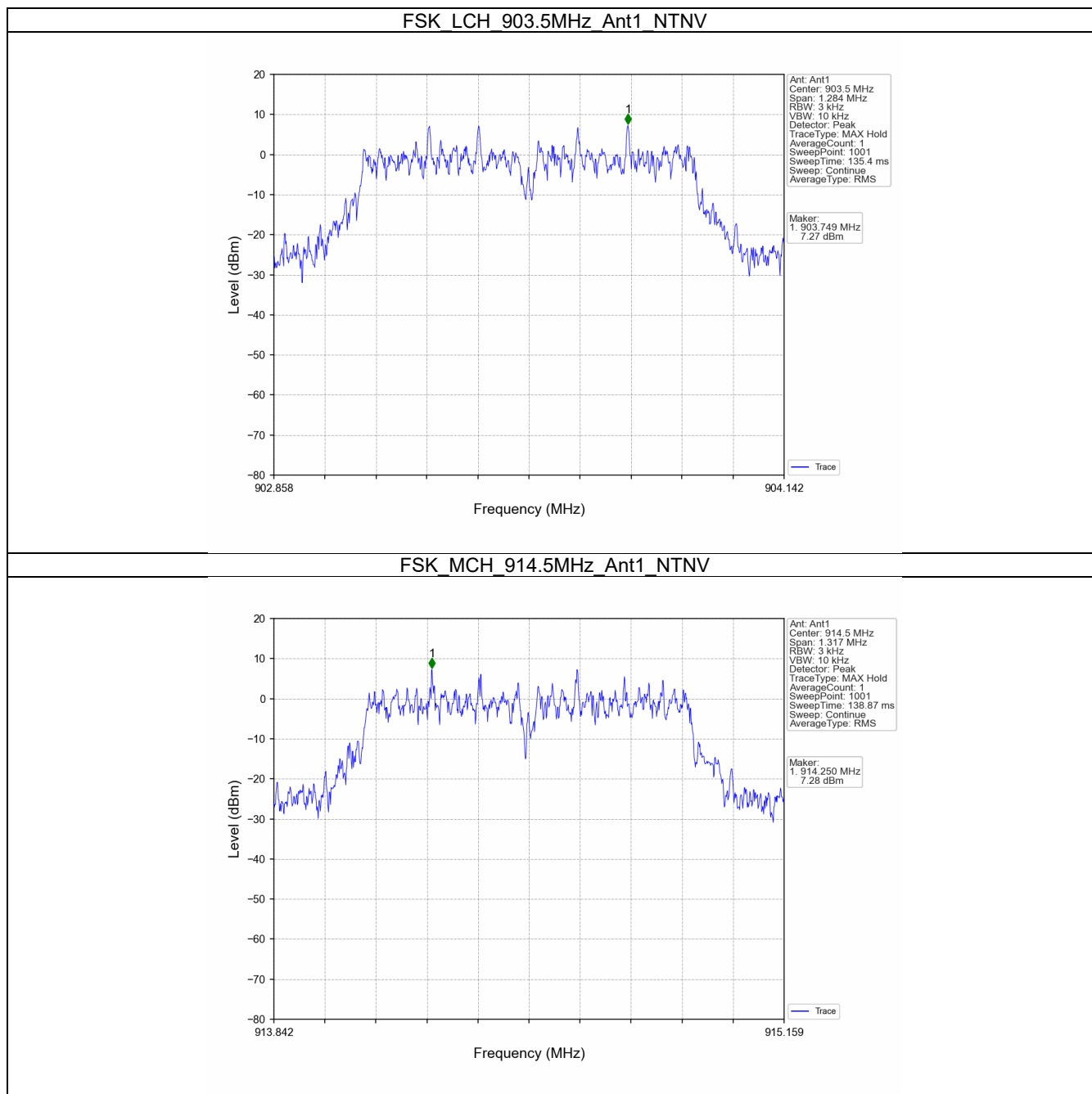
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
FSK	SISO	903.5	7.27	<=8	Pass
		914.5	7.28	<=8	Pass
		926.5	7.35	<=8	Pass

Note1: Antenna Gain: Ant1: 0.83dBi;



4.1.2 Test Graph



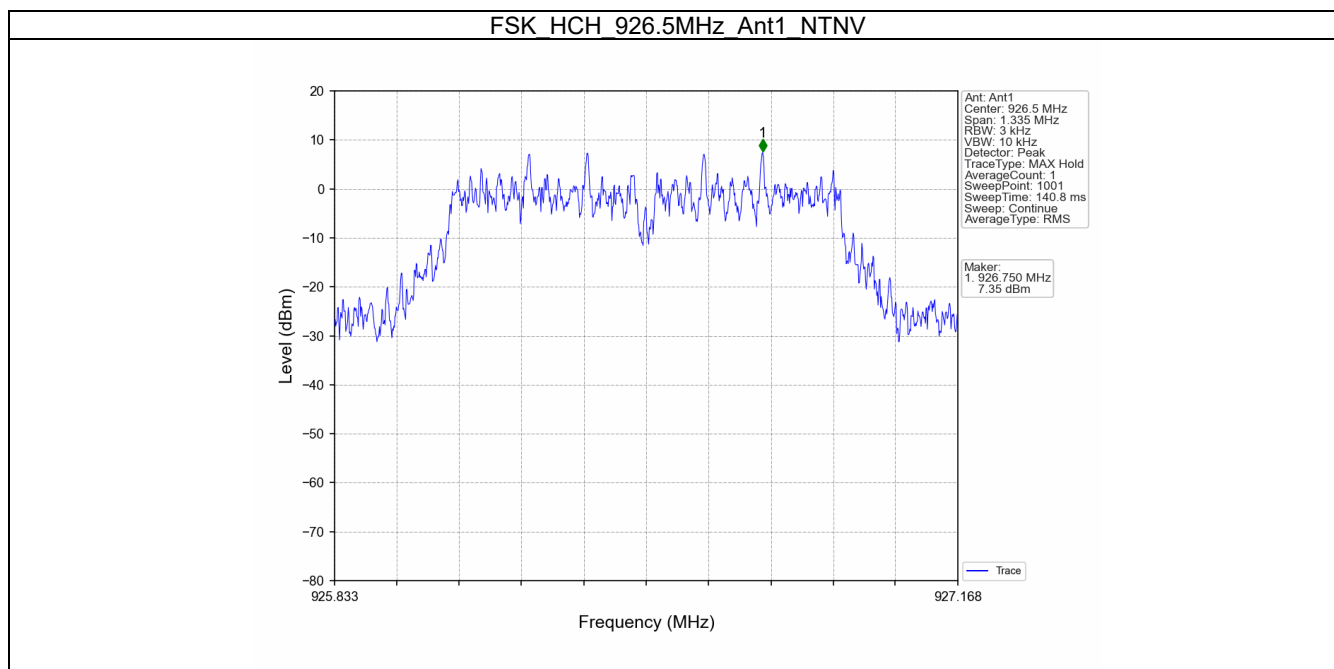
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
FSK	SISO	903.5	1	17.14
		914.5	1	17.95
		926.5	1	17.33

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.



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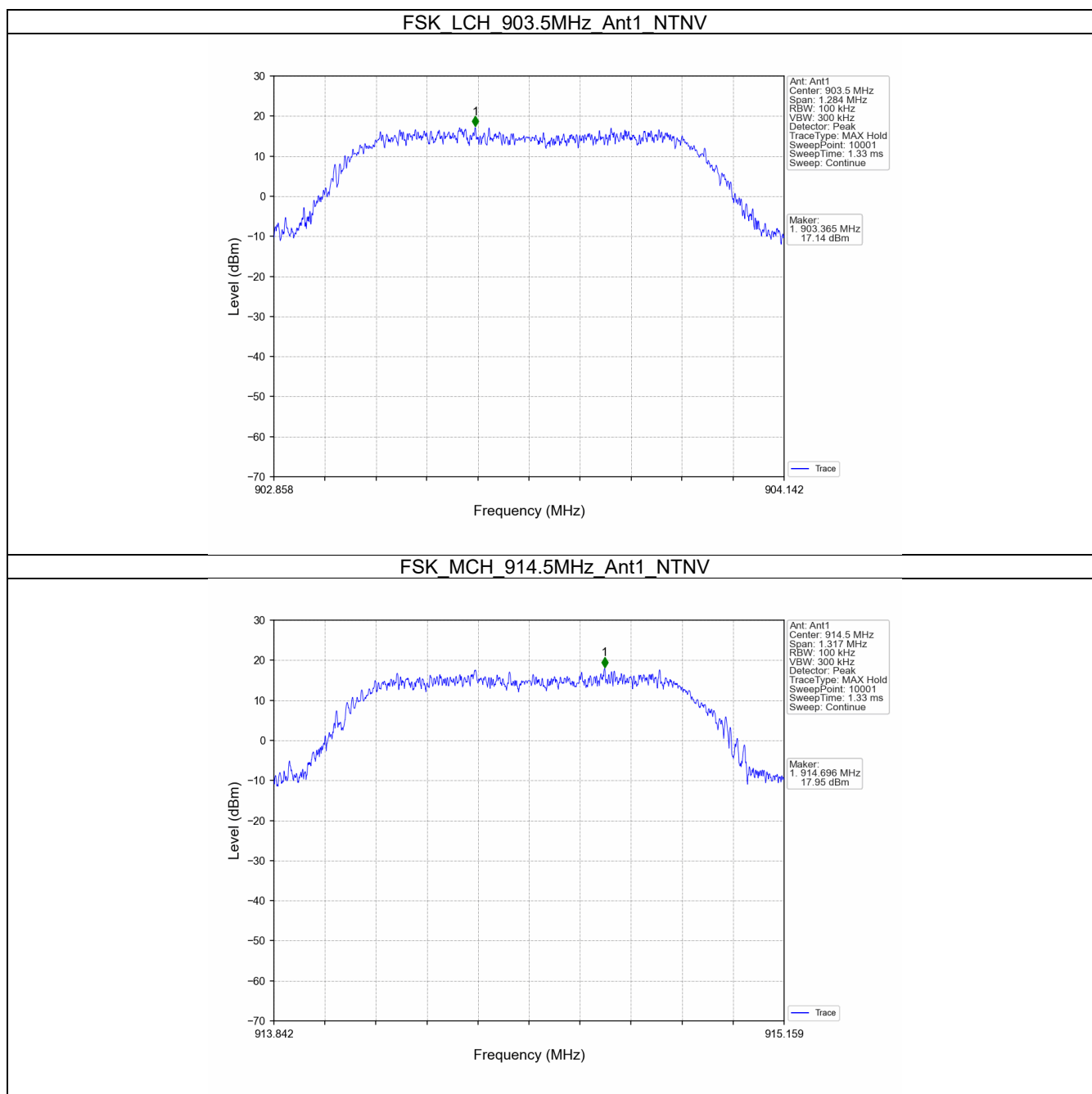
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5.1.2 Test Graph



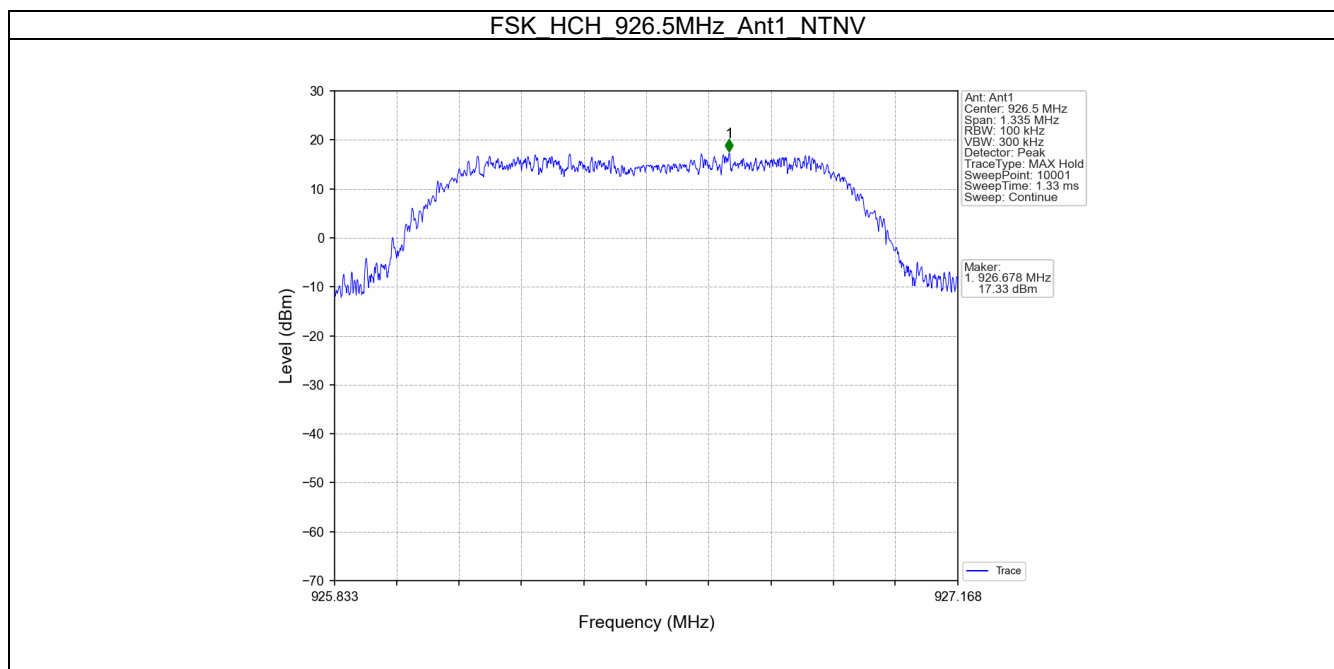
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
FSK	SISO	903.5	1	17.95	-2.05	Pass
		914.5	1	17.95	-2.05	Pass
		926.5	1	17.95	-2.05	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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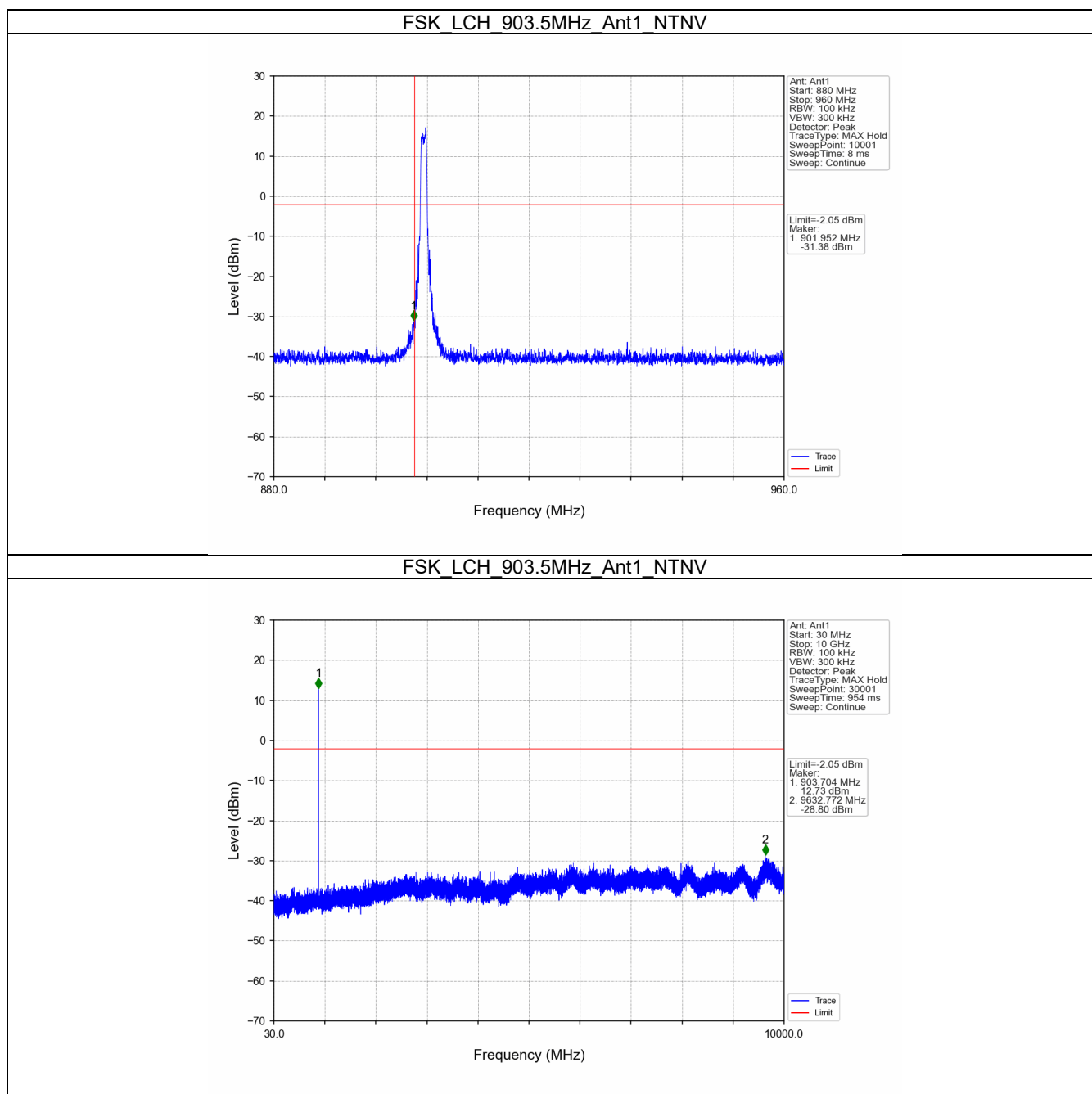
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5.2.2 Test Graph



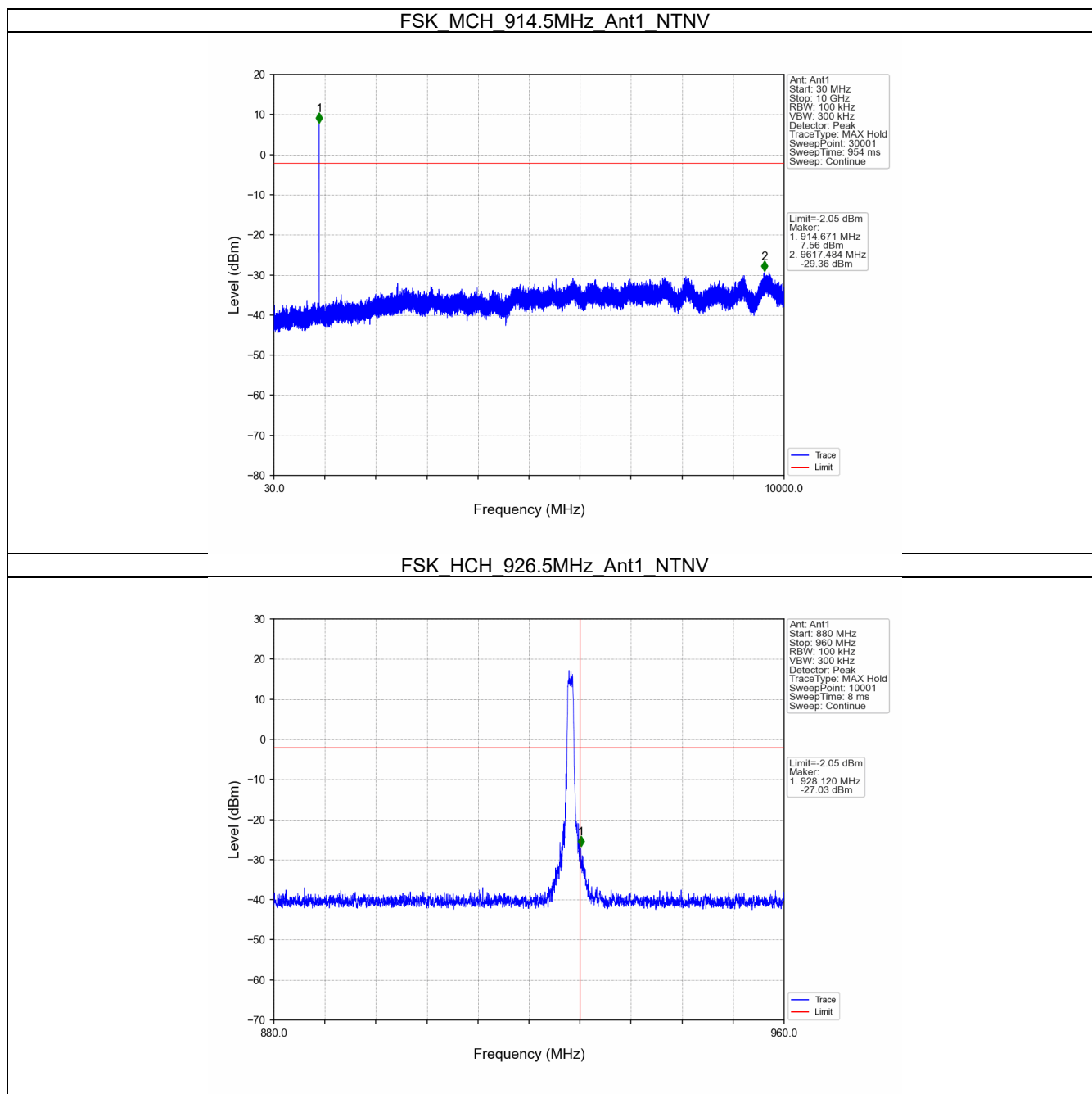
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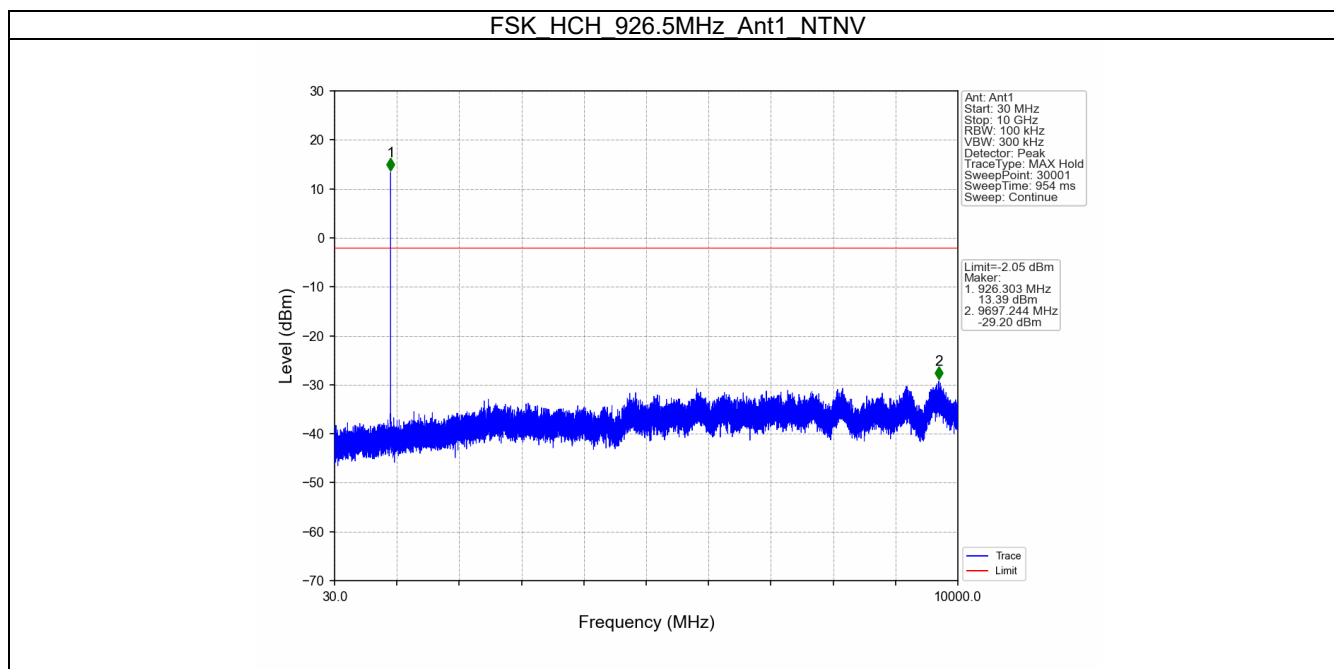
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