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Appendix B for SHCR220300054801-FCC-2M

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

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



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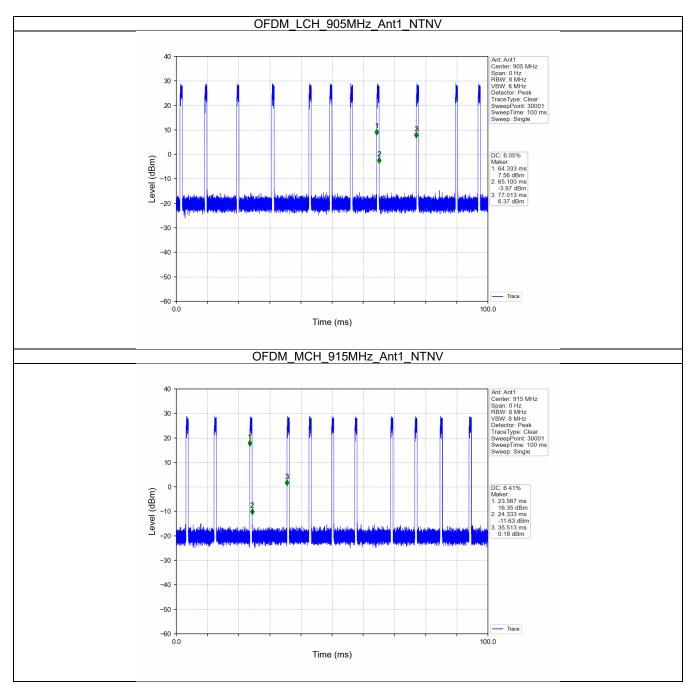
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1.1.2 Test Graph





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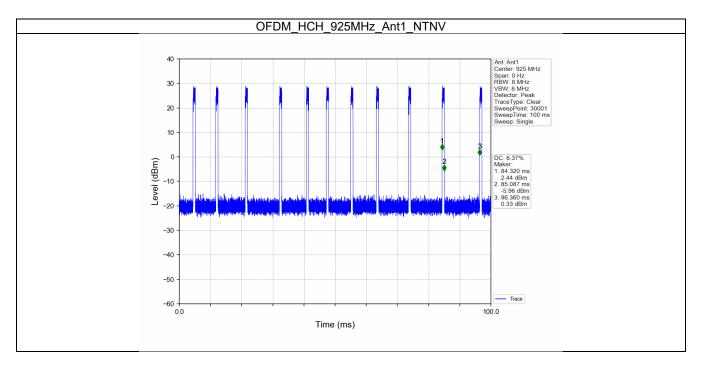
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
OFDM		905	1	1.884	Pass
	SISO	915	1	1.892	Pass
		925	1	1.884	Pass



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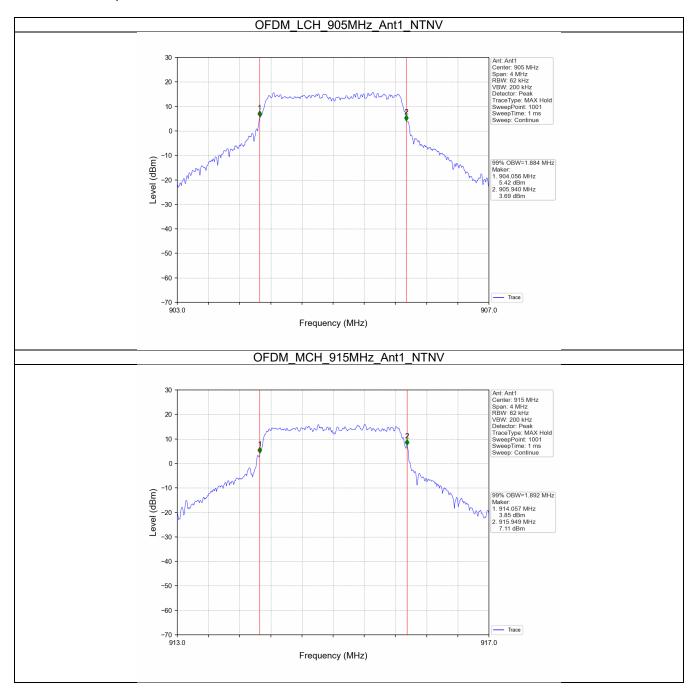
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2.1.2 Test Graph



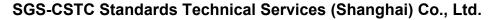


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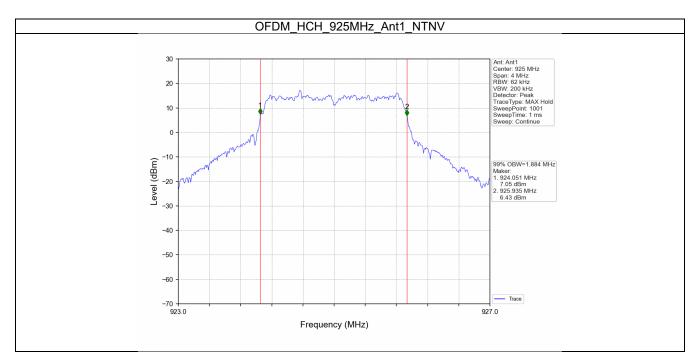
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2.2 6dB BW

2.2.1 Test Result

Mode	TX	Frequency	ANT	6dB Bandwidth (MHz)		Verdict
Mode	Type	(MHz)	AINT	Result	Limit	verdict
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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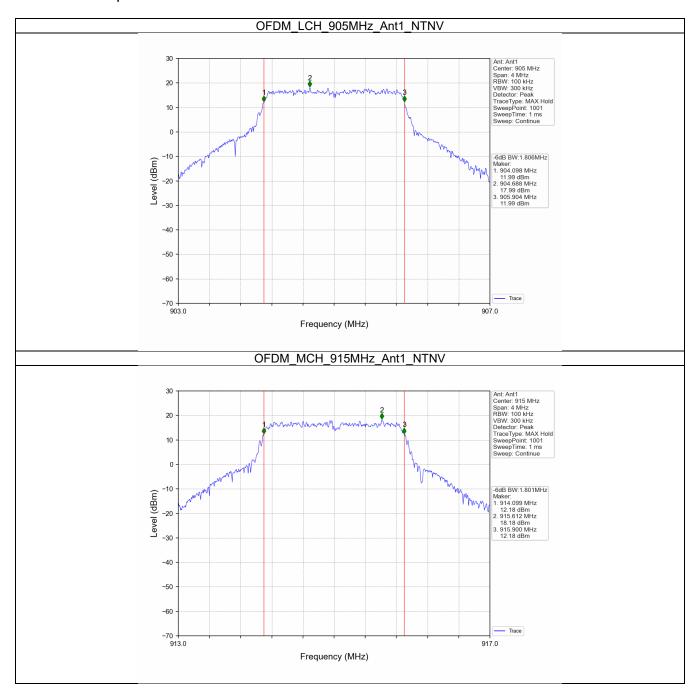
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2.2.2 Test Graph





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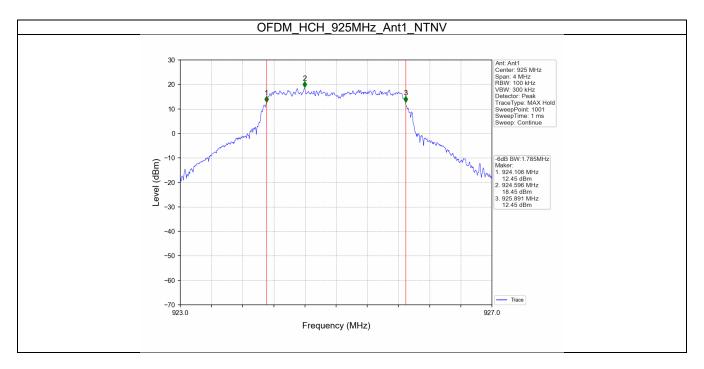
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency	Maximum Peak Conduc	Verdict		
Mode	Туре	(MHz)	ANT1	Limit	Verdict	
		905	26.31	<=30	Pass	
OFDM	SISO	915	26.31	<=30	Pass	
		925	26.30	<=30	Pass	
Note1: Antenna Gain: Ant1: 0.83dBi;						



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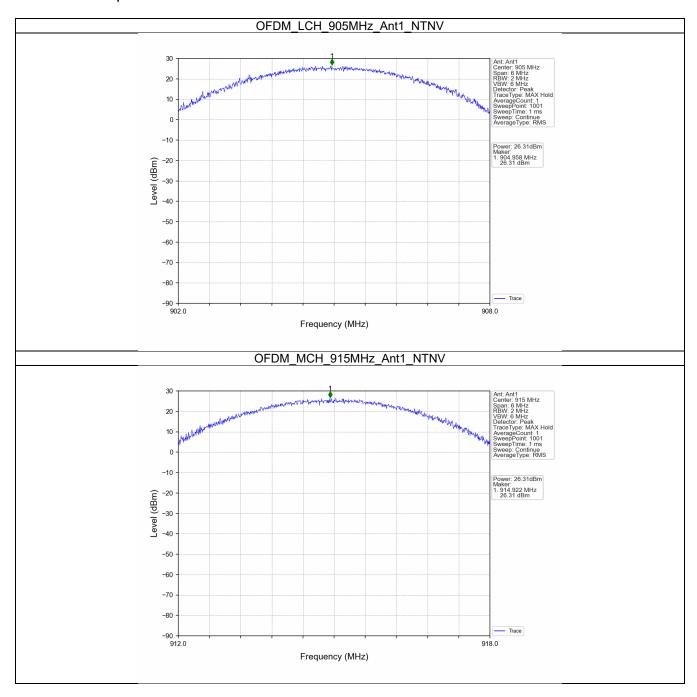
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3.1.2 Test Graph





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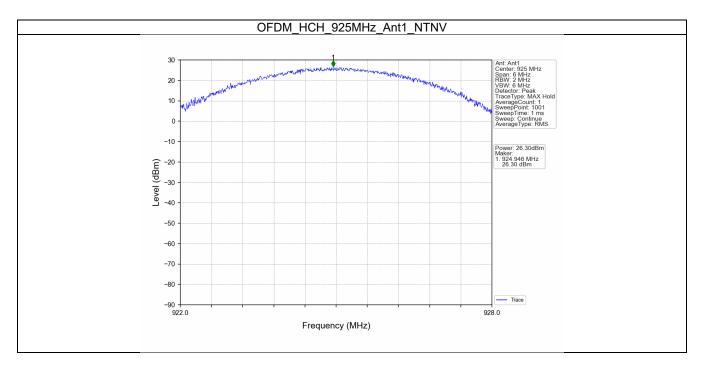
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	Verdict		
Mode	Type	(MHz)	ANT1	Limit	Verdict	
OFDM	SISO	905	2.42	<=8	Pass	
		915	2.14	<=8	Pass	
		925	2.02	<=8	Pass	
Note1: Antenna Gain: Ant1: 0.83dBi;						



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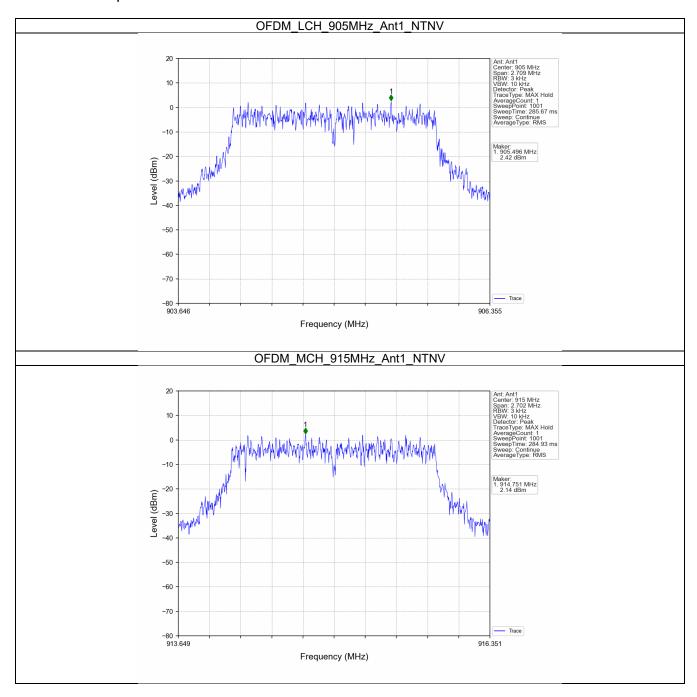
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4.1.2 Test Graph





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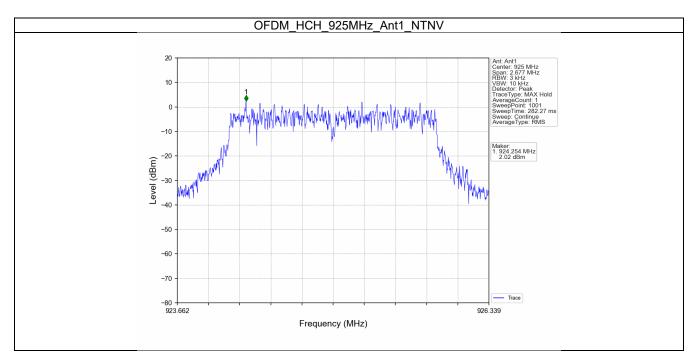
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5. Unwanted Emissions In Non-restricted Frequency Bands

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.



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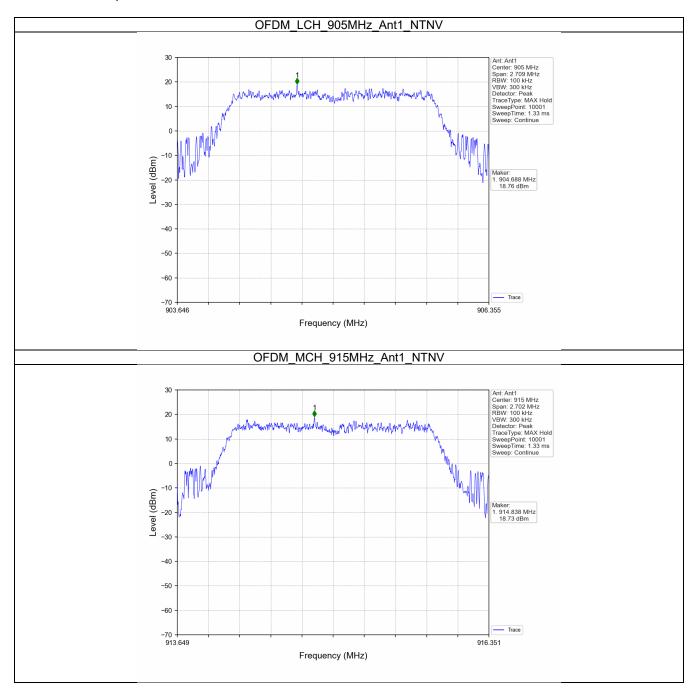
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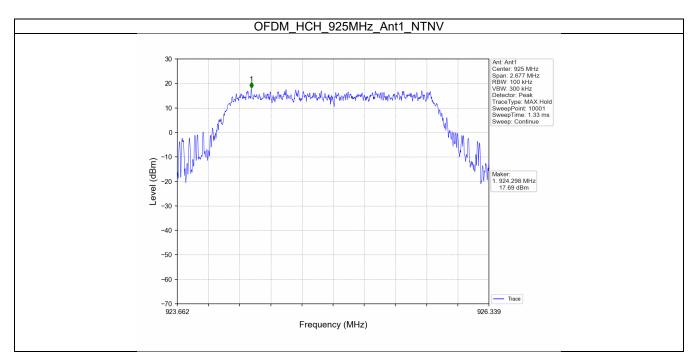
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5.2 CSE

5.2.1 Test Result

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



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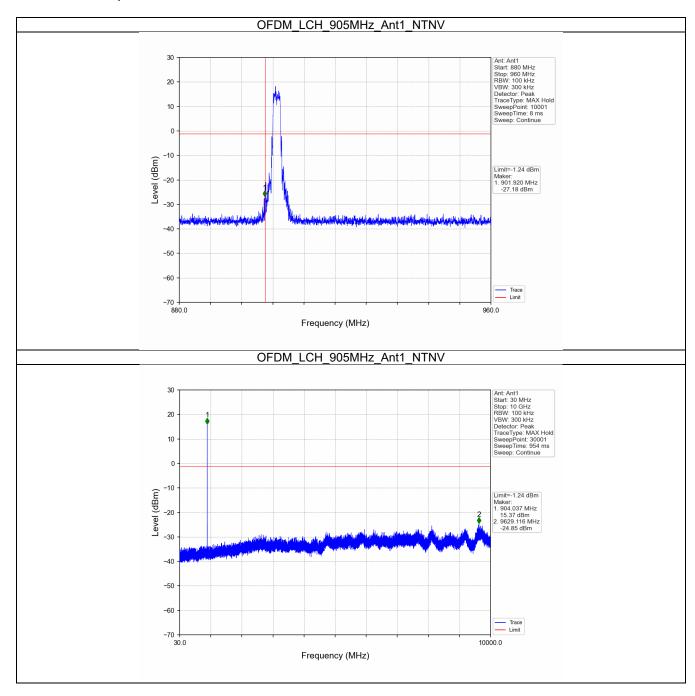
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5.2.2 Test Graph





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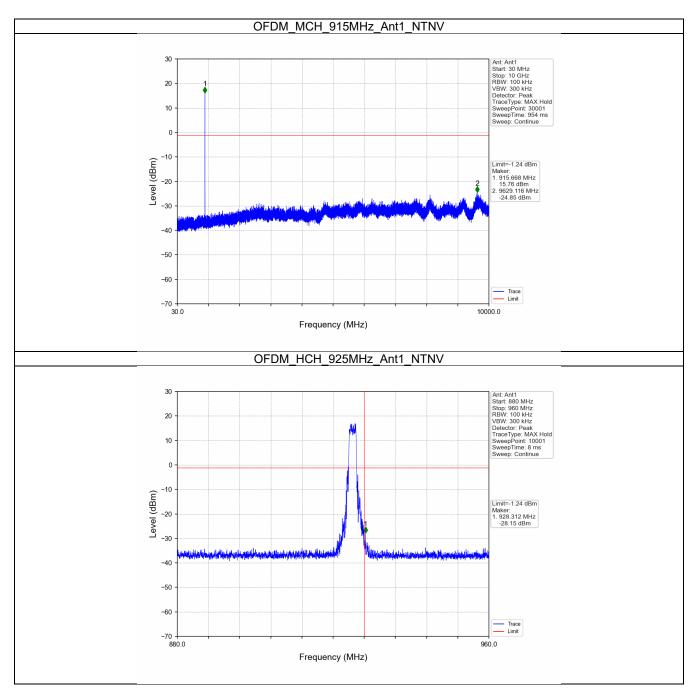
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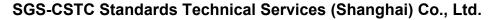
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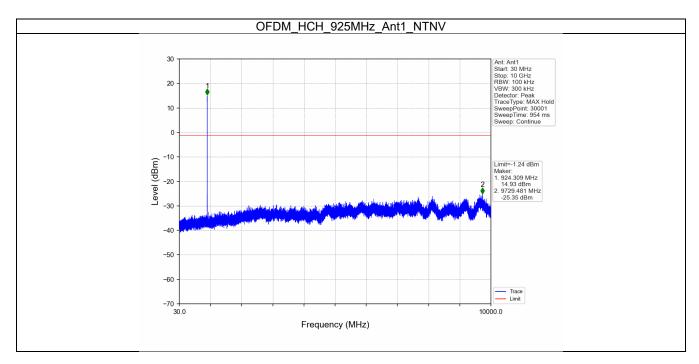
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