

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

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Appendix A for SHCR210900030501

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 (%)	
1M	SISO	2402	0.417	2.218	18.80	7.26	0.12	
		2440	0.417	2.217	18.81	7.26	0.12	
		2480	0.417	2.218	18.80	7.26	0.11	
		2402	0.208	2.219	9.37	10.28	0.08	
2M	SISO	2440	0.208	2.218	9.38	10.28	0.07	
		2480	0.208	2.217	9.38	10.28	0.08	



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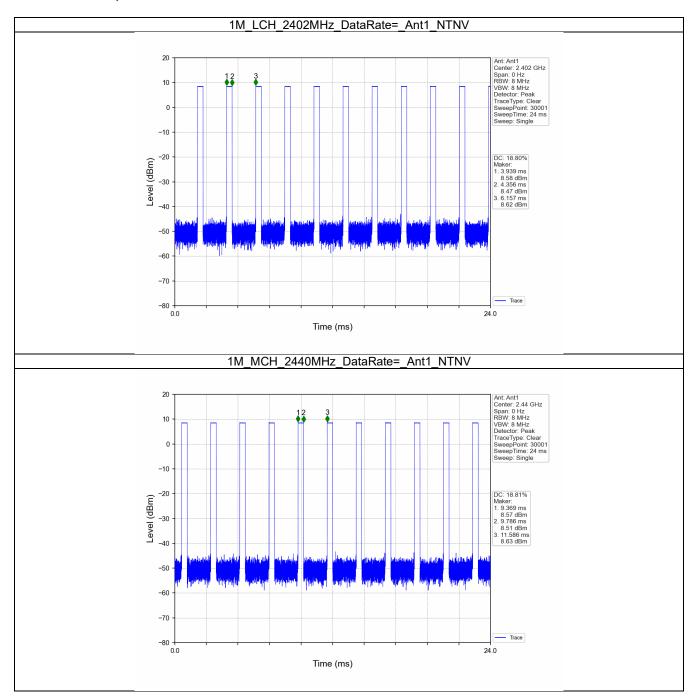
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1.1.2 Test Graph





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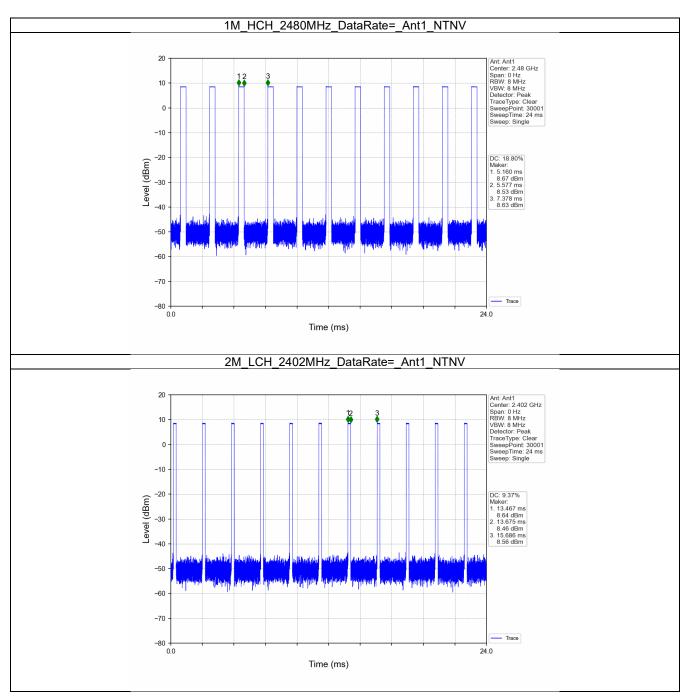
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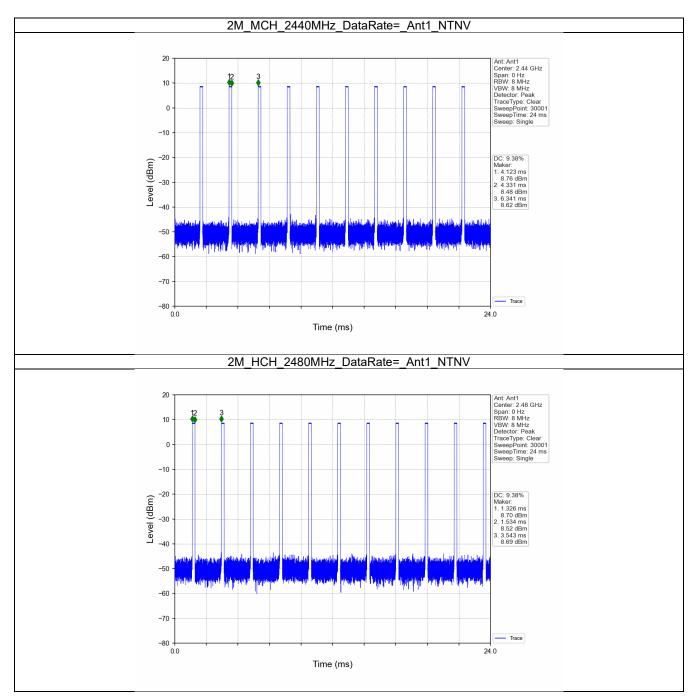
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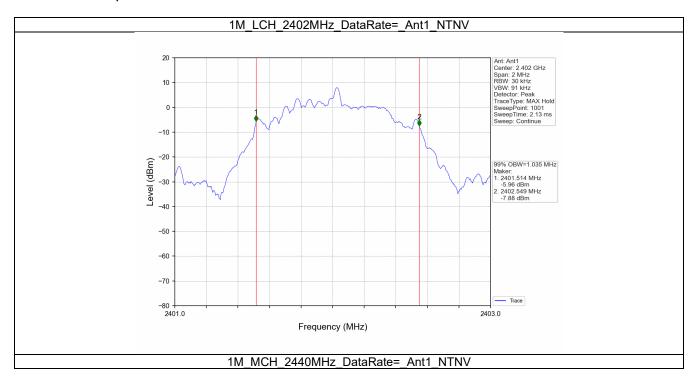
2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz) Result	Verdict
		2402	1	1.035	Pass
1M	SISO	2440	1	1.037	Pass
		2480	1	1.036	Pass
		2402	1	2.071	Pass
2M	SISO	2440	1	2.069	Pass
		2480	1	2.073	Pass

2.1.2 Test Graph





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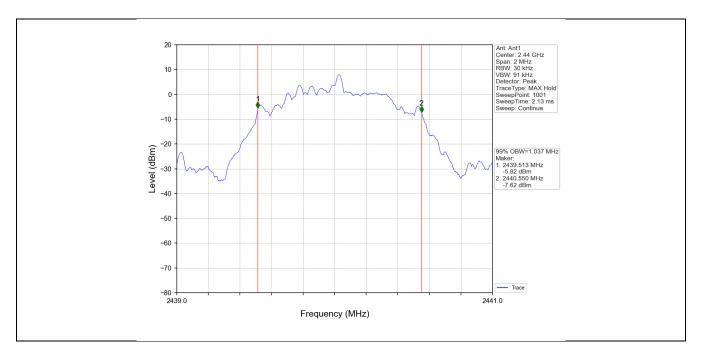
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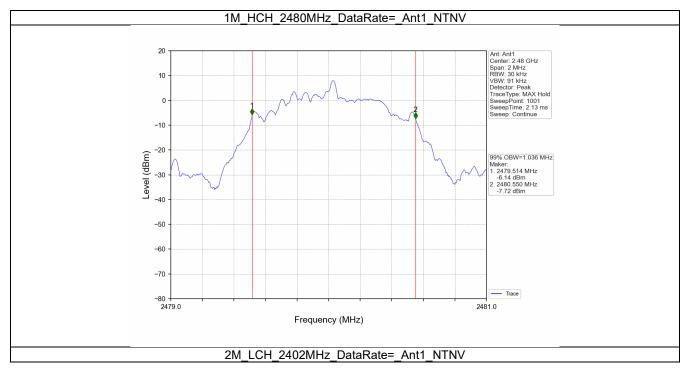
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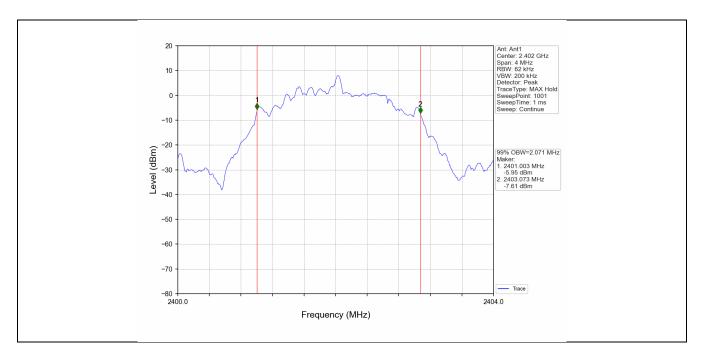
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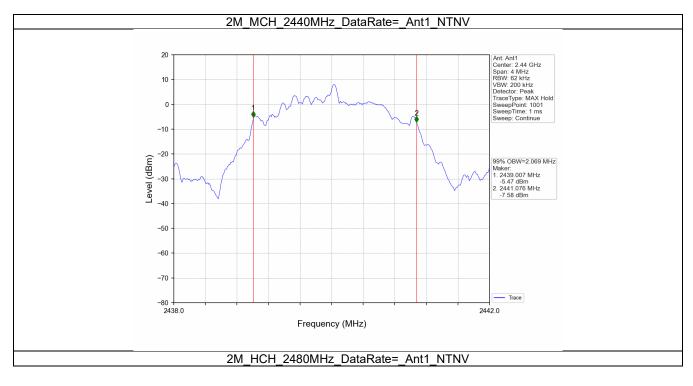
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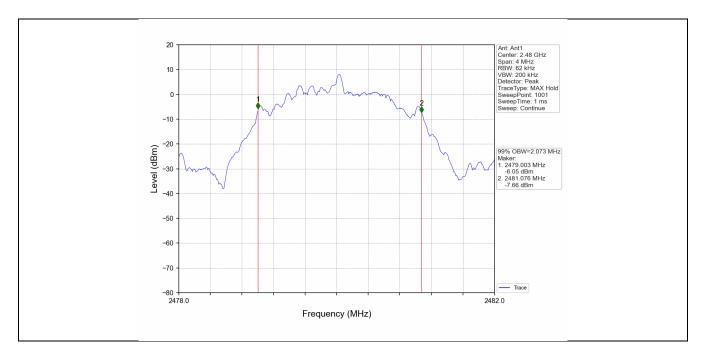
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2.2 6dB BW

2.2.1 Test Result

Mode	TX	Frequency (MHz)	A 4	6dB Bandwidth (MHz)		\/amaliat
	Type		Ant	Result	Limit	Verdict
	SISO	2402	1	0.666	>=0.5	Pass
1M		2440	1	0.676	>=0.5	Pass
		2480	1	0.664	>=0.5	Pass
	SISO	2402	1	1.135	>=0.5	Pass
2M		2440	1	1.133	>=0.5	Pass
		2480	1	1.129	>=0.5	Pass



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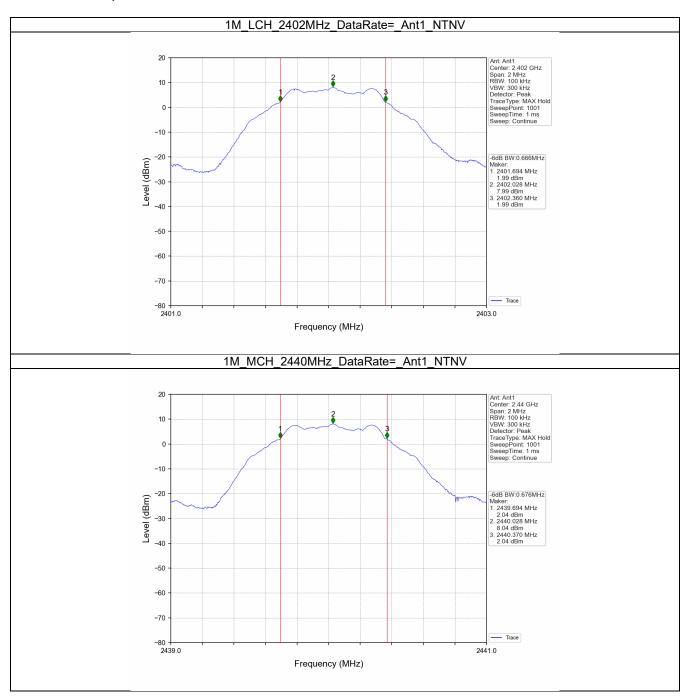
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2.2.2 Test Graph





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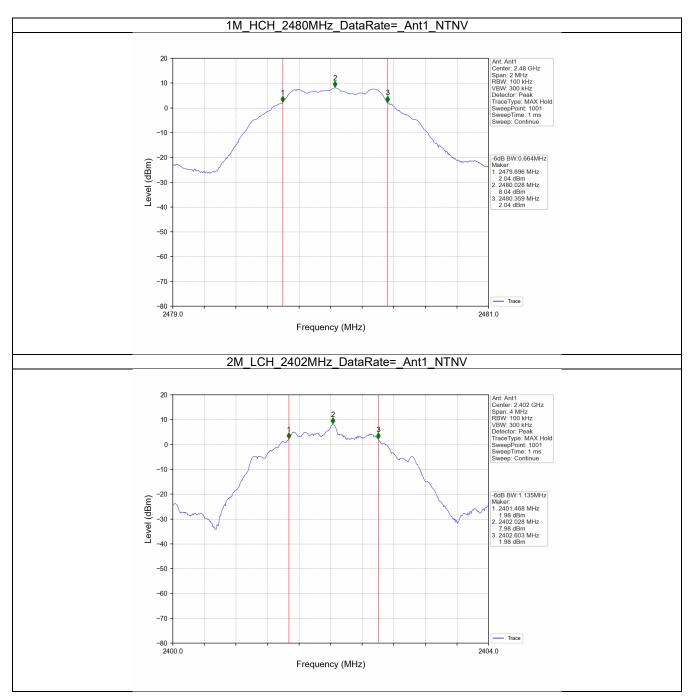
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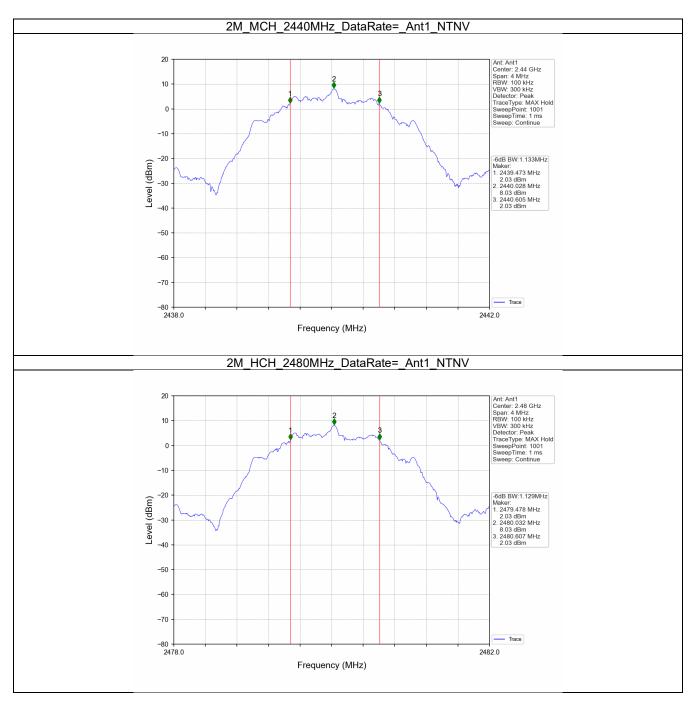
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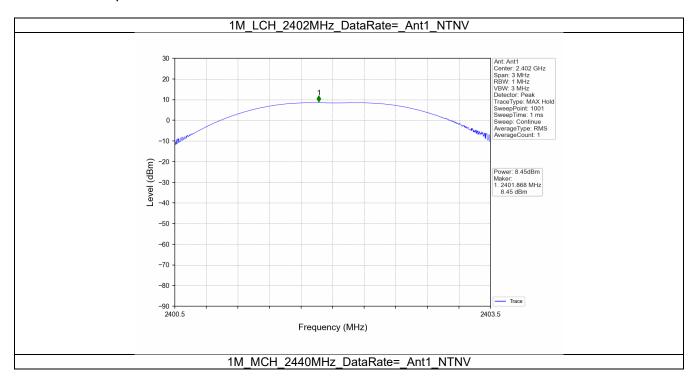
3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency	Maximum Peak Conducte	Verdict		
Mode	Type	(MHz)	Ant1	Limit	verdict	
		2402	8.45	<=30	Pass	
1M	SISO	2440	8.51	<=30	Pass	
		2480	8.51	<=30	Pass	
		2402	8.50	<=30	Pass	
2M	SISO	2440	8.54	<=30	Pass	
		2480	8.55	<=30	Pass	
Note1: Antenna Gain: Ant1: 2.38dBi;						

3.1.2 Test Graph





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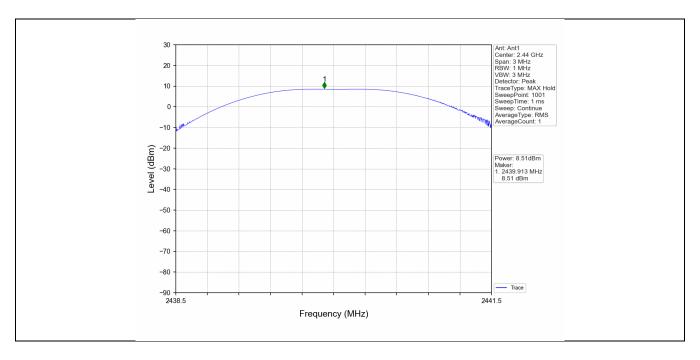
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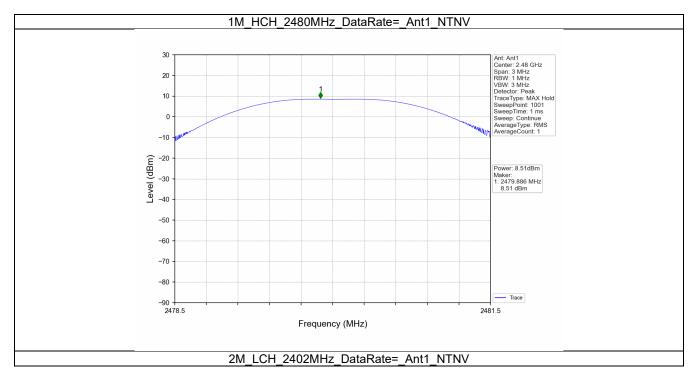
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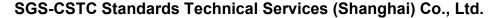
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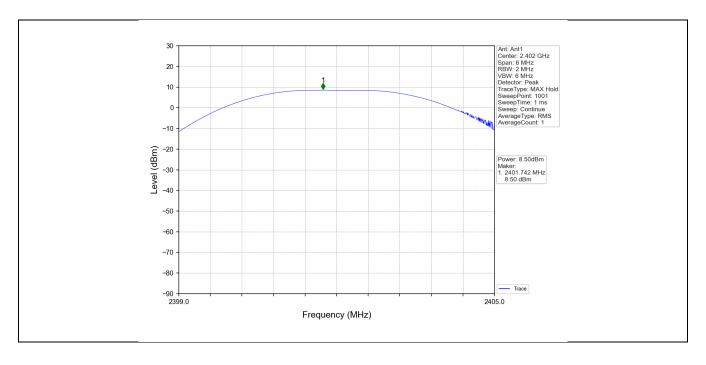
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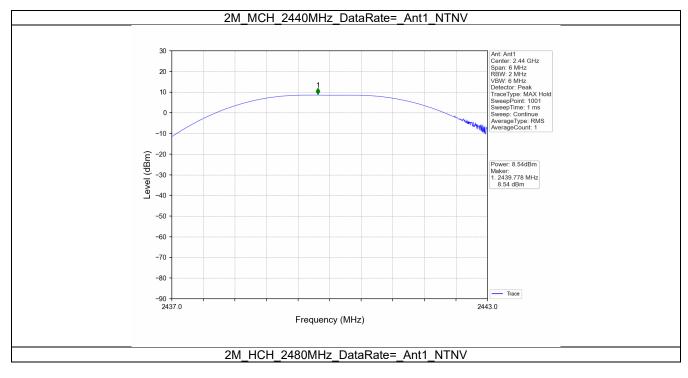
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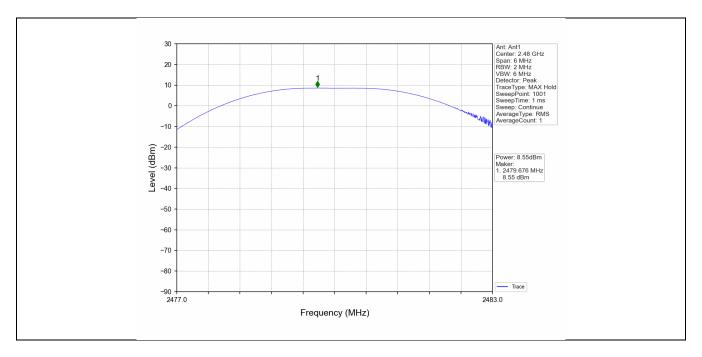
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	\	
	Type	(MHz)	Ant1	Limit	Verdict
1M		2402	-4.06	<=8	Pass
	SISO	2440	-3.99	<=8	Pass
		2480	-4.23	<=8	Pass
2M	SISO	2402	-9.39	<=8	Pass
		2440	-8.23	<=8	Pass
		2480	-8.39	<=8	Pass

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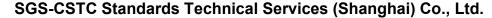
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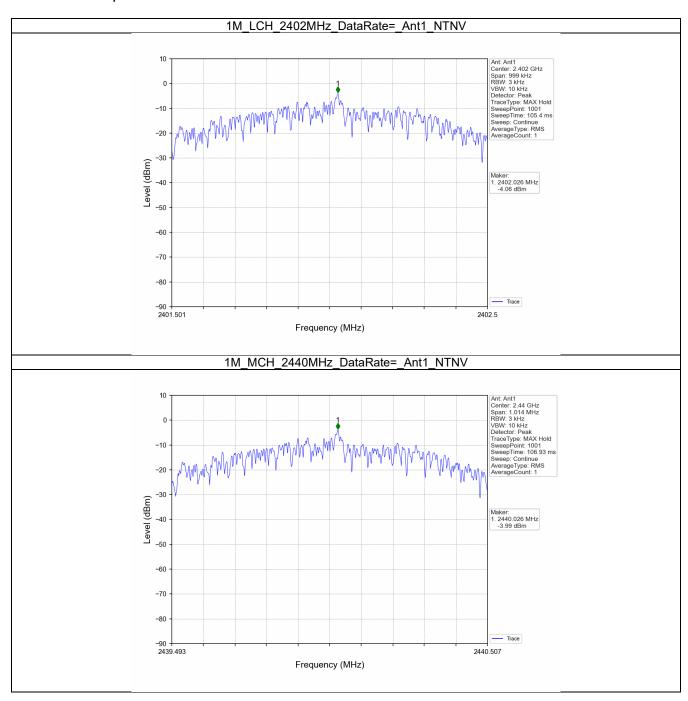
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4.1.2 Test Graph





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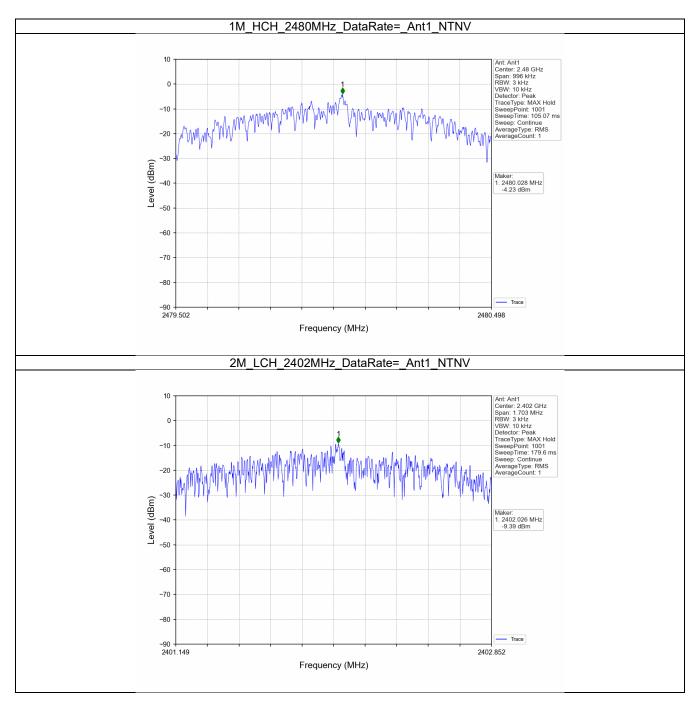
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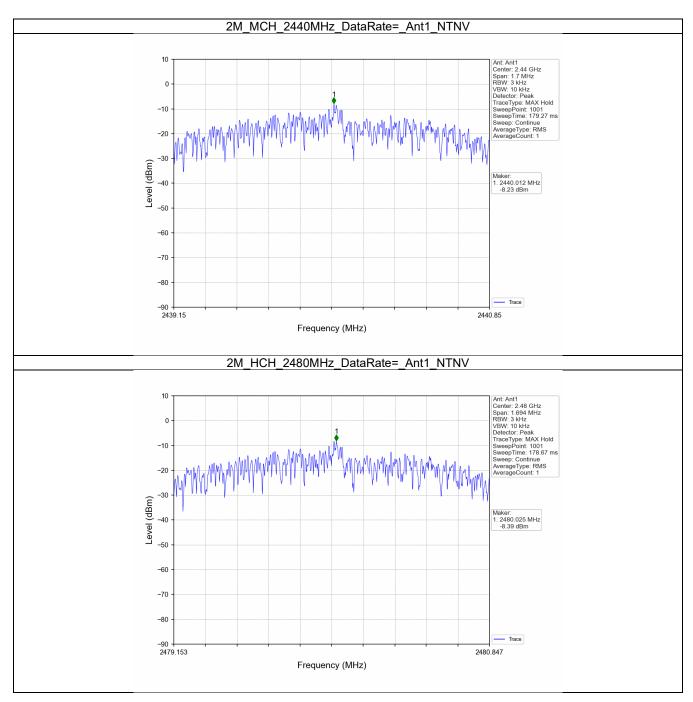
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5. Unwanted Emissions In Non-restricted Frequency Bands

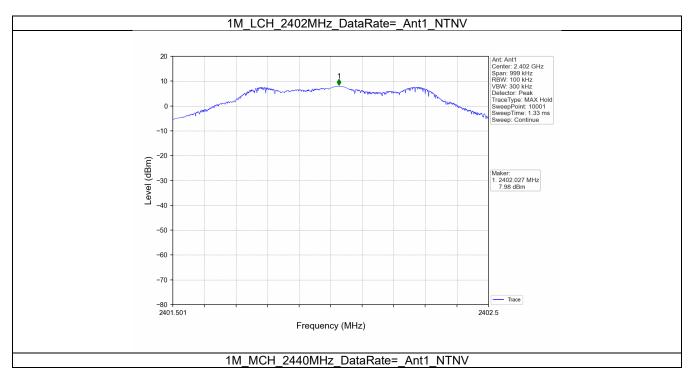
5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
		2402	1	7.98
1M	SISO	2440	1	8.02
		2480	1	8.02
	SISO	2402	1	7.97
2M		2440	1	8.02
		2480	1	8.03

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.

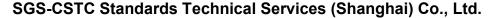
5.1.2 Test Graph





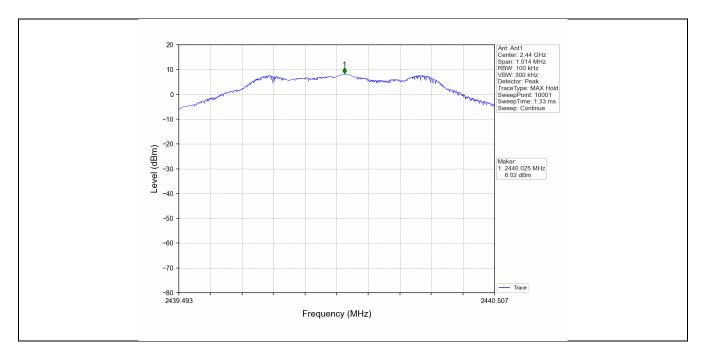
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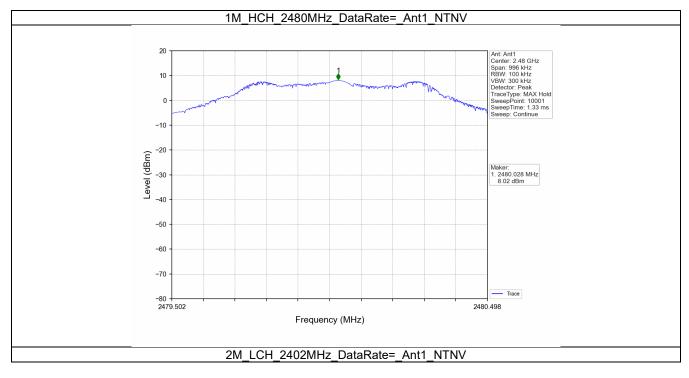
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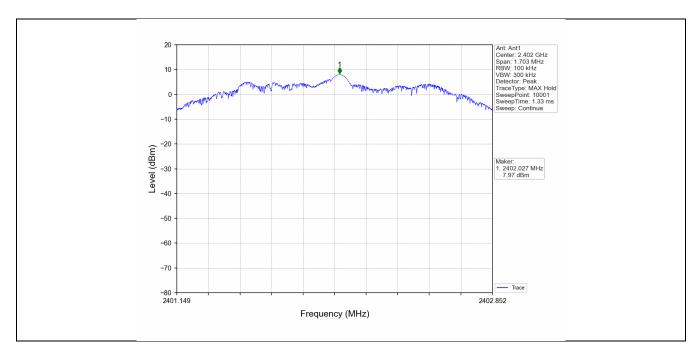
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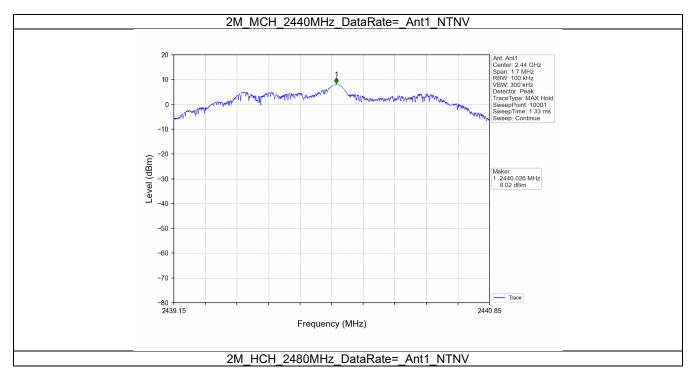
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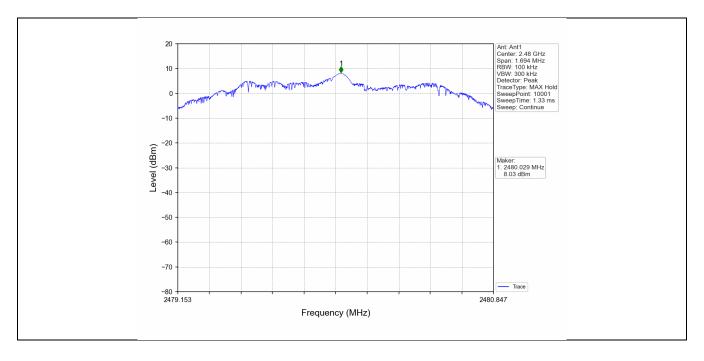
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
		2402	1	8.02	-11.98	Pass
1M	SISO	2440	1	8.02	-11.98	Pass
		2480	1	8.02	-11.98	Pass
		2402	1	8.03	-11.97	Pass
2M	SISO	2440	1	8.03	-11.97	Pass
		2480	1	8.03	-11.97	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.



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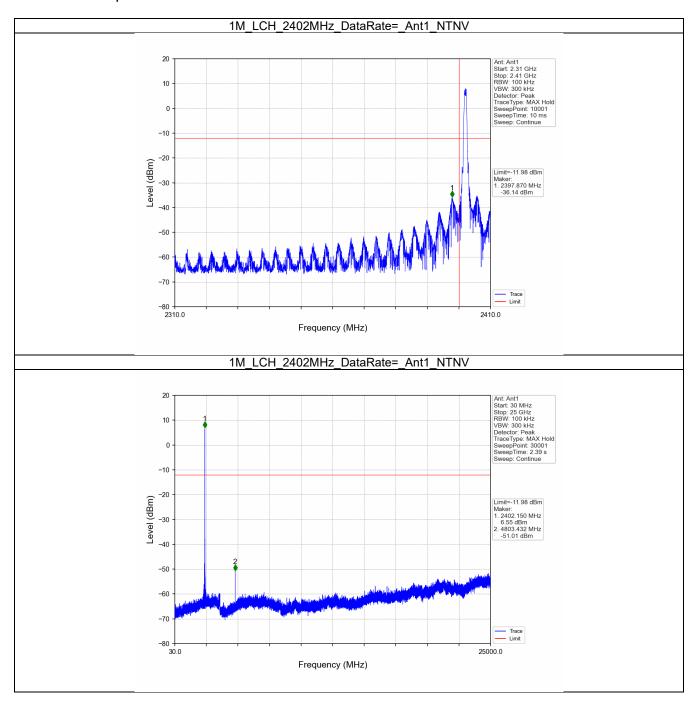
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5.2.2 Test Graph





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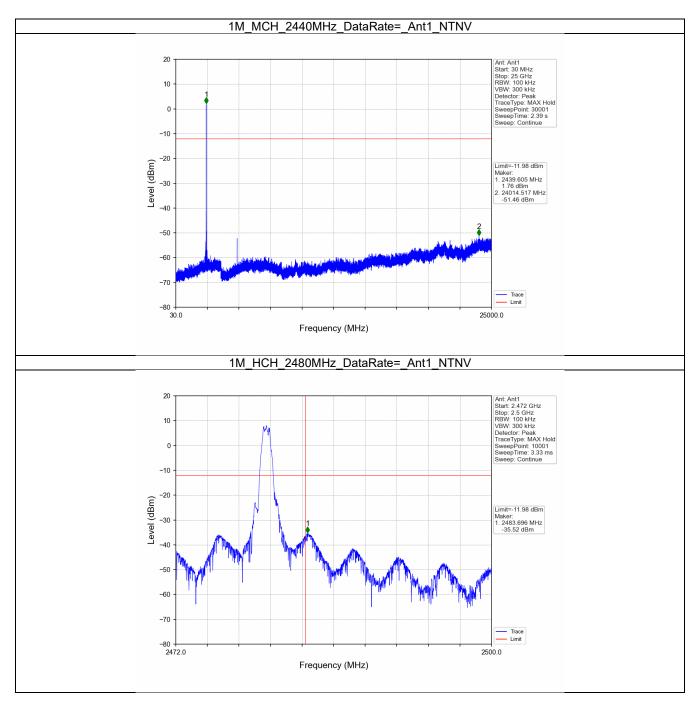
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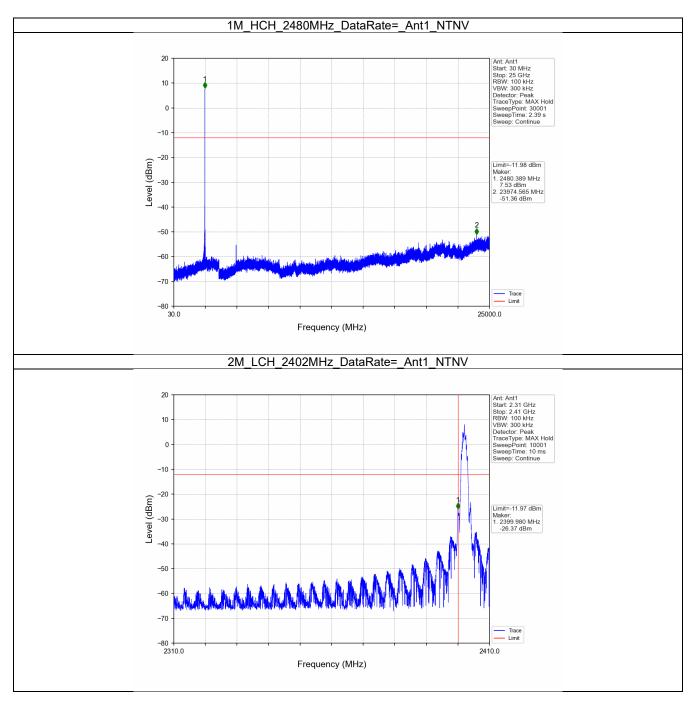
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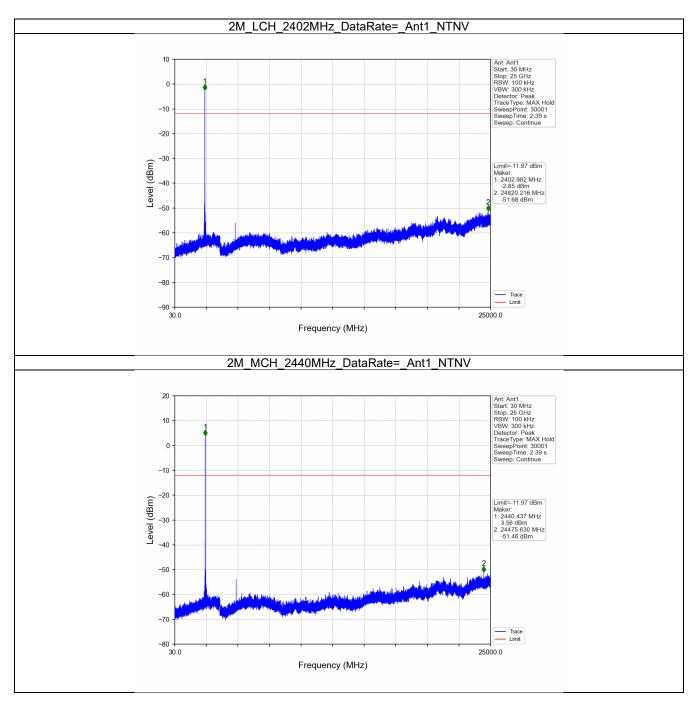
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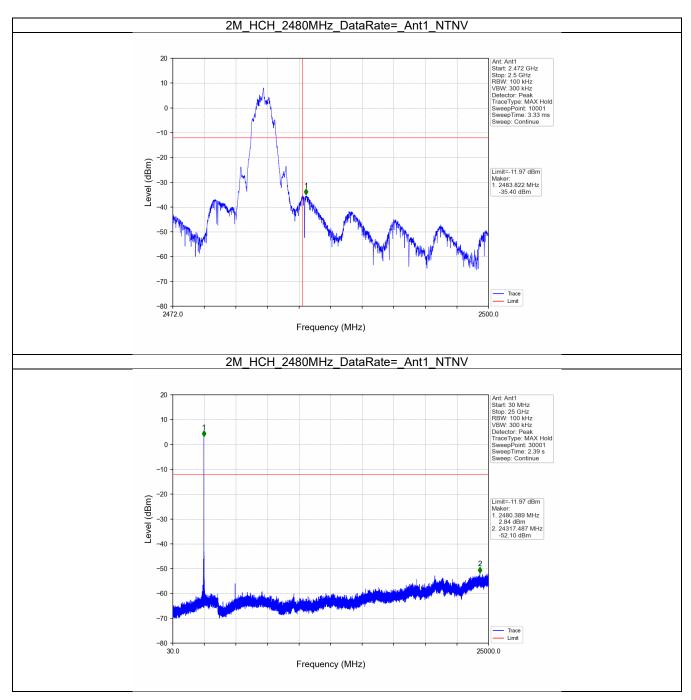
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