



Shenzhen South Star Technology Co. Ltd.
Shanghai South Star Technology Co. Ltd.

SPECIFICATION FOR APPROVAL

CUSTOMER :	德明通讯
PART NAME :	CH630-sabre
PART NO. :	WIFI (2.4G)
NDX NO. :	W01-0573-R0A
REV. :	

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

Shenzhen southstar technology.co.,LTD

深圳市南斗星科技有限公司

Address: No.1606,Build C6,HengFeng industrial city,xixiang
street,baoan district,Shenzhen

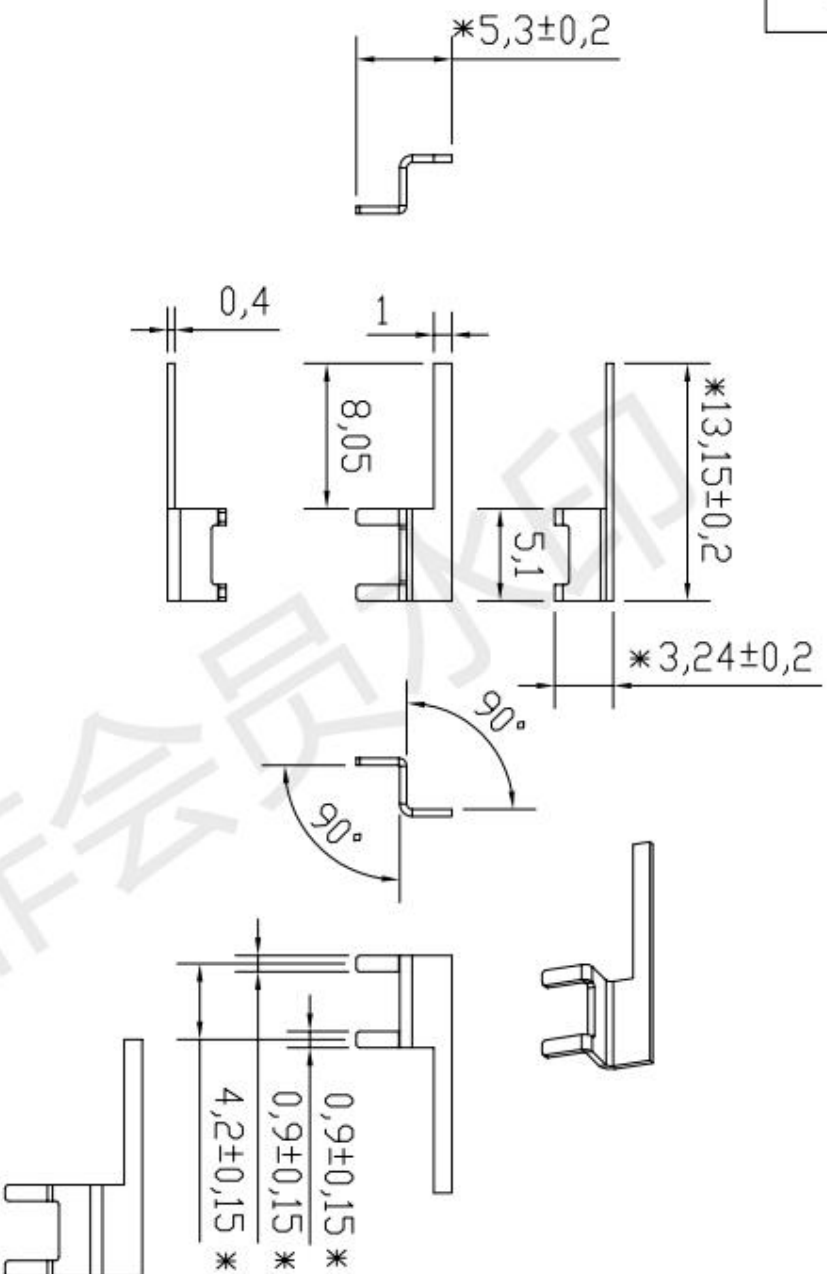
Shenzhen southstar technology co., LTD. Shanghai branch

深圳市南斗星科技有限公司上海分公司

103B, Build10, No.198 Zhang Heng Road , Pudong New
Area,Shanghai

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1: 1展平图, 进供参考

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SHEN ZHEN SOUTHSTAR CO., LTD

Project	CH630-sabre
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由 Autodesk 教育版产品制作

Antenna Assembly

Specification(With housing)

1.Electrical Properties

- 1.1 Frequecy range.....2.412~2.472GHz
- 1.2 Impedance.....50 Ω Norminal
- 1.3 VSWR <2
- 1.4 Radiation.....Omni
- 1.5 Gain(Peak).....3dBi
- 1.6 Polarization.....Linear
- 1.7 Admitted Power.....1W
- 1.8 Connector.....MHF

2.Physical Properties

- 2.1 Working Temperature.....-20 $^{\circ}$ C~+65 $^{\circ}$ C
- 2.2 Storage Temperature.....-30 $^{\circ}$ C~+75 $^{\circ}$ C



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103B, Build10, No.198 Zhang Heng Road ,
Pudong New Area, Shanghai

Antenna Design for CH630-sabre

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Author	Huitao Mao
Review By	Zhongyi Zhao



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Pudong New Area, Shanghai

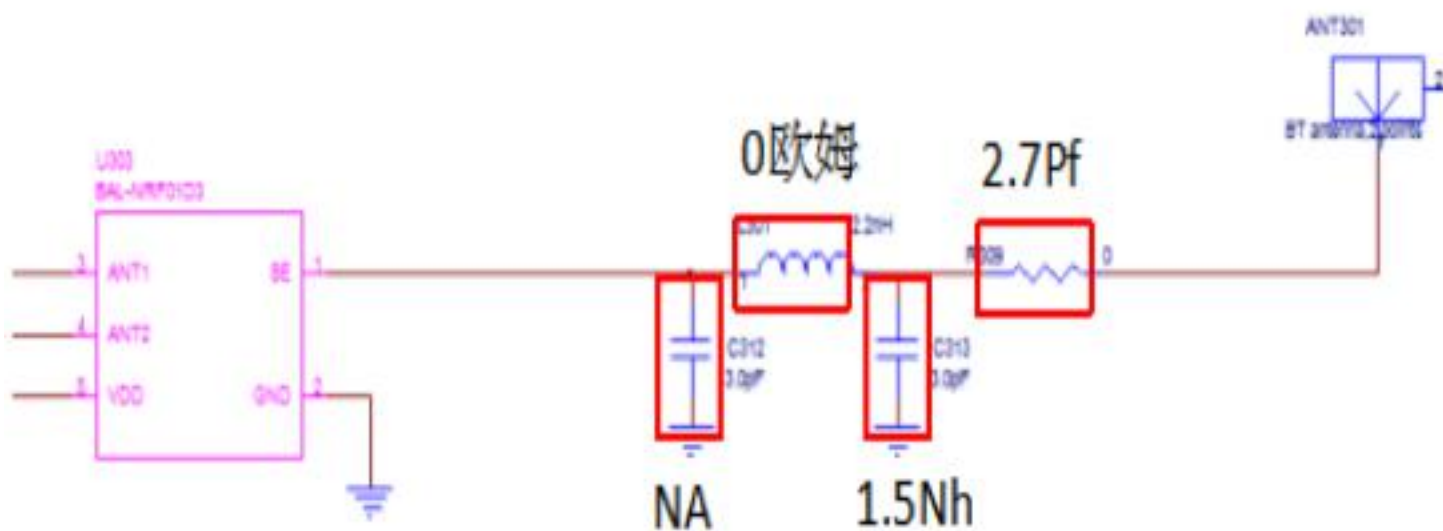
Revised History

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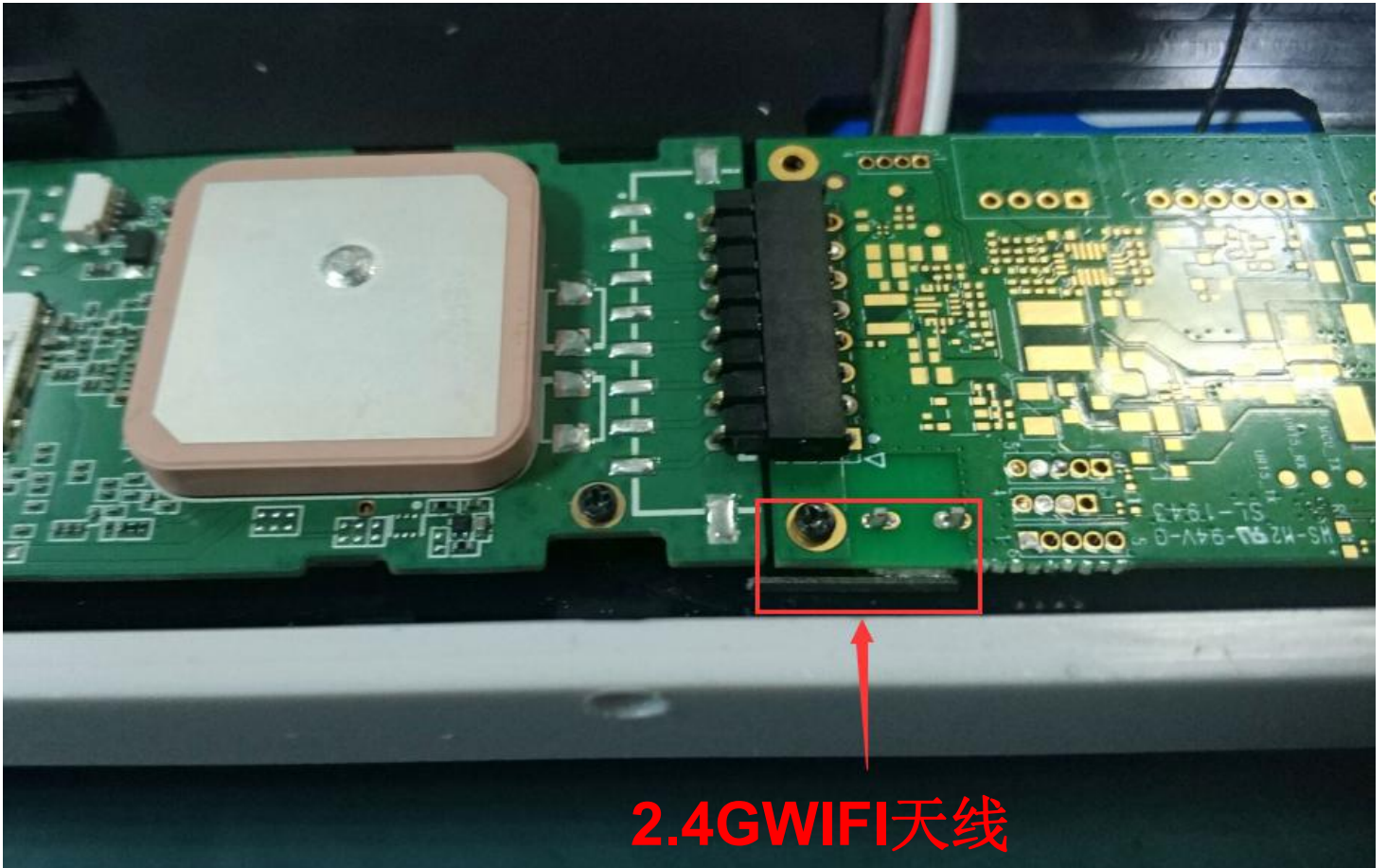




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1. Antennas' setup and environment With housing



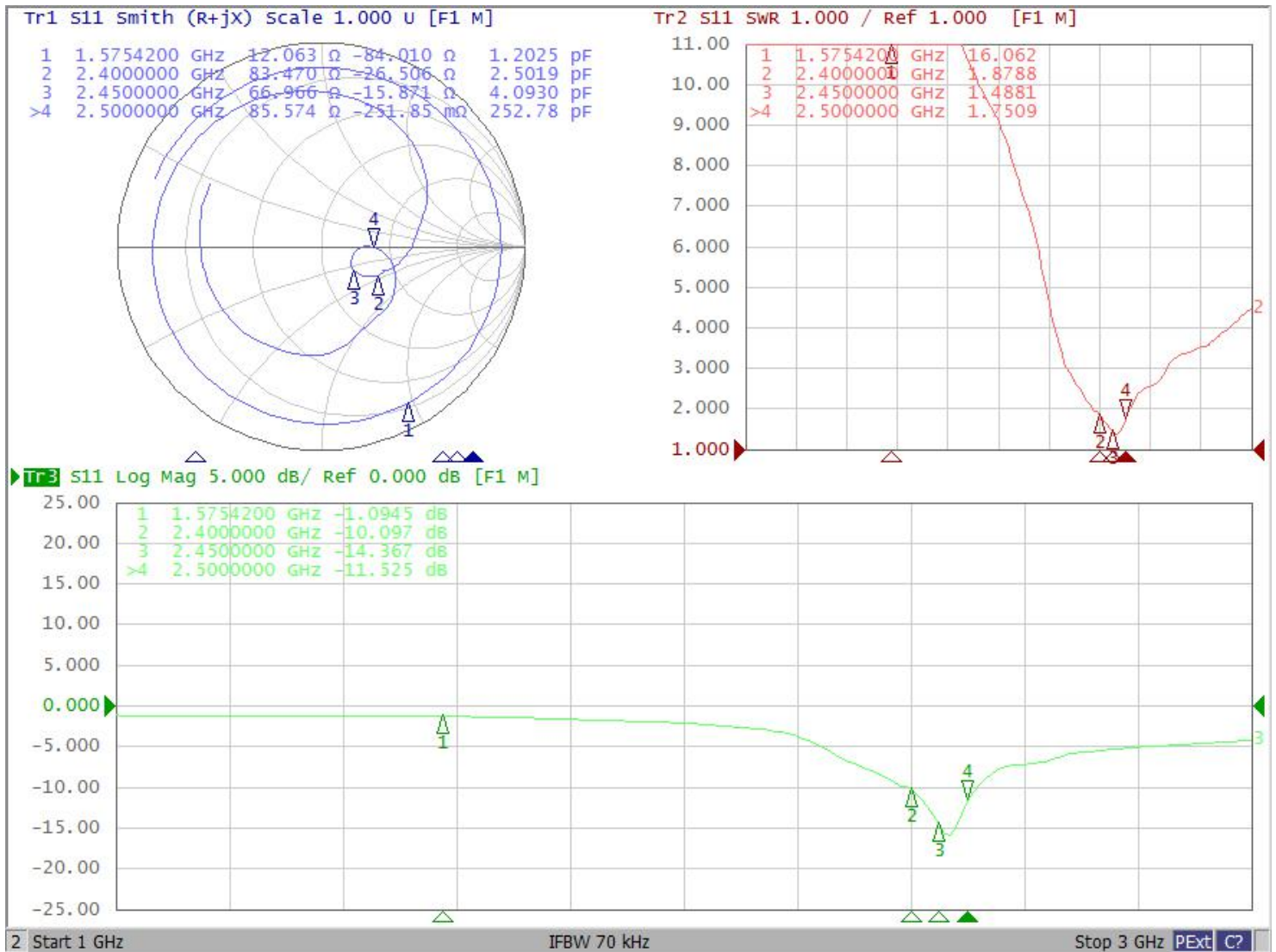


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2. Analyzer Measurement

2.1 Ant 2.4GWIFI passive test results



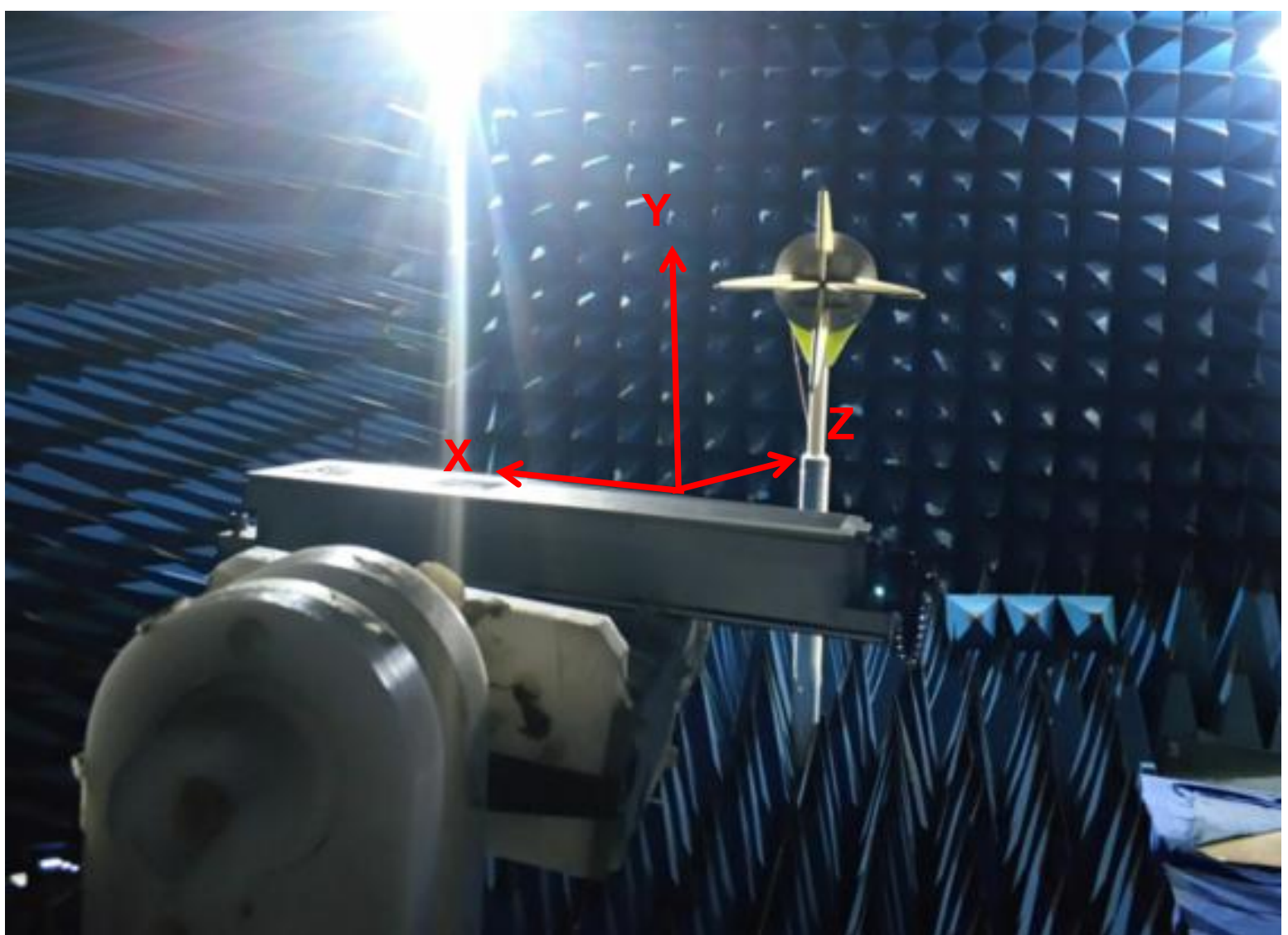


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3. Gain & Patterns test results

3.1 Measurement setting





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4. 2.4G WIFI Peak Gain & Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	37.91	0.9
2410	39.52	1.1
2420	44.63	1.53
2430	43.11	1.46
2440	43.66	1.44
2450	41.53	1.59
2460	44.06	2.03
2470	44.11	2.19
2480	43.53	2.41
2490	42.31	2.75
2500	40.13	2.63

