



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. :	BT (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

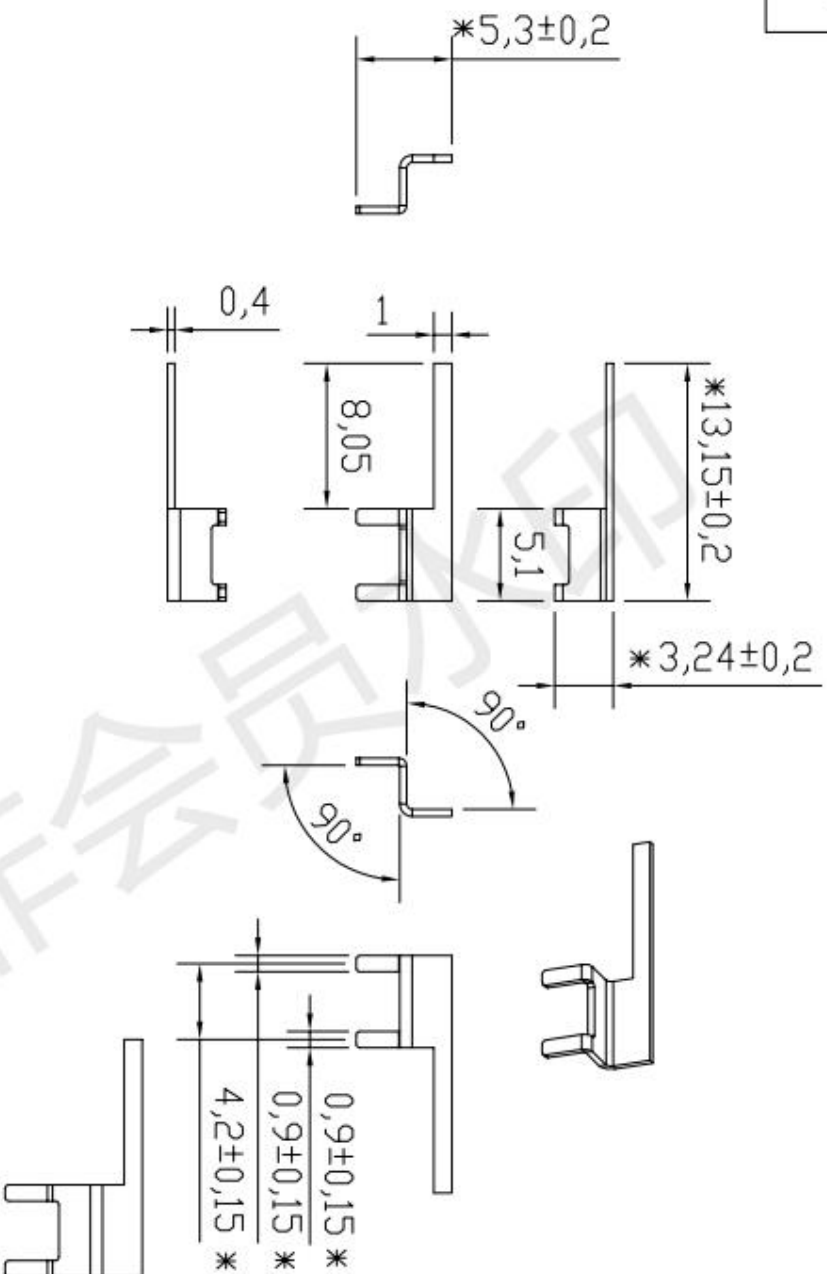
Shenzhen southstar technology co., LTD. Shanghai branch

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.....	50Ω Norminal
1.3 VSWR	<2
1.4 Radiation.....	Omni
1.5 Polarization.....	Linear
1.6 Admitted Power.....	1W
1.7 Connector.....	MHF

2.Physical Properties

2.1 Working Temperature.....	-20℃~+65℃
2.2 Storage Temperature.....	-30℃~+75℃



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Antenna Design for CH630-sabre

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Author	Huitao Mao
Review By	Zhongyi Zhao



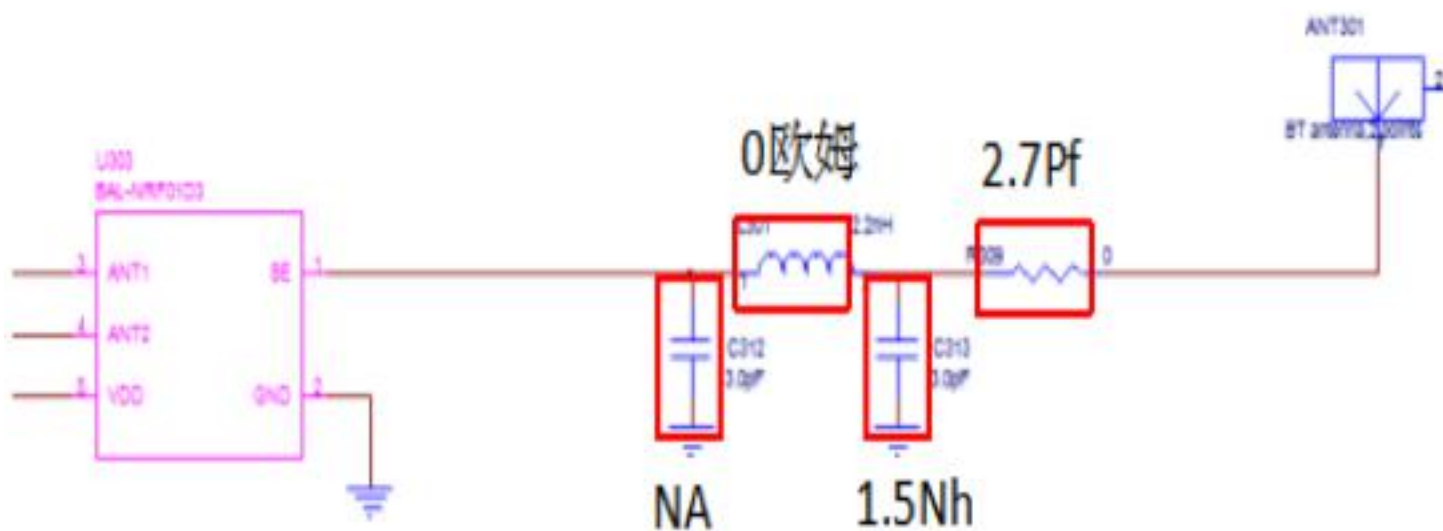
Revised History

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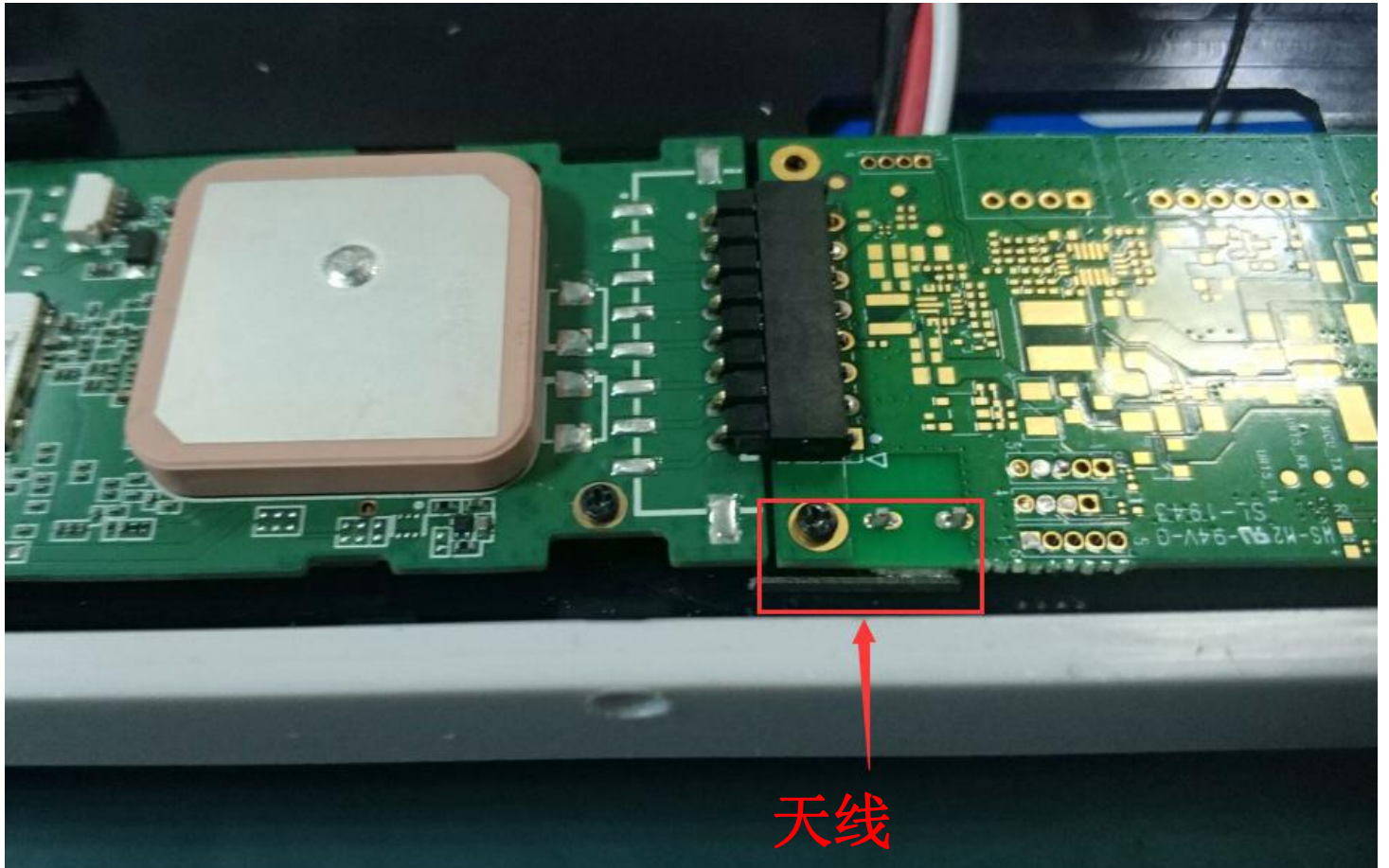


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1. Antennas' setup and enviroment

With housing



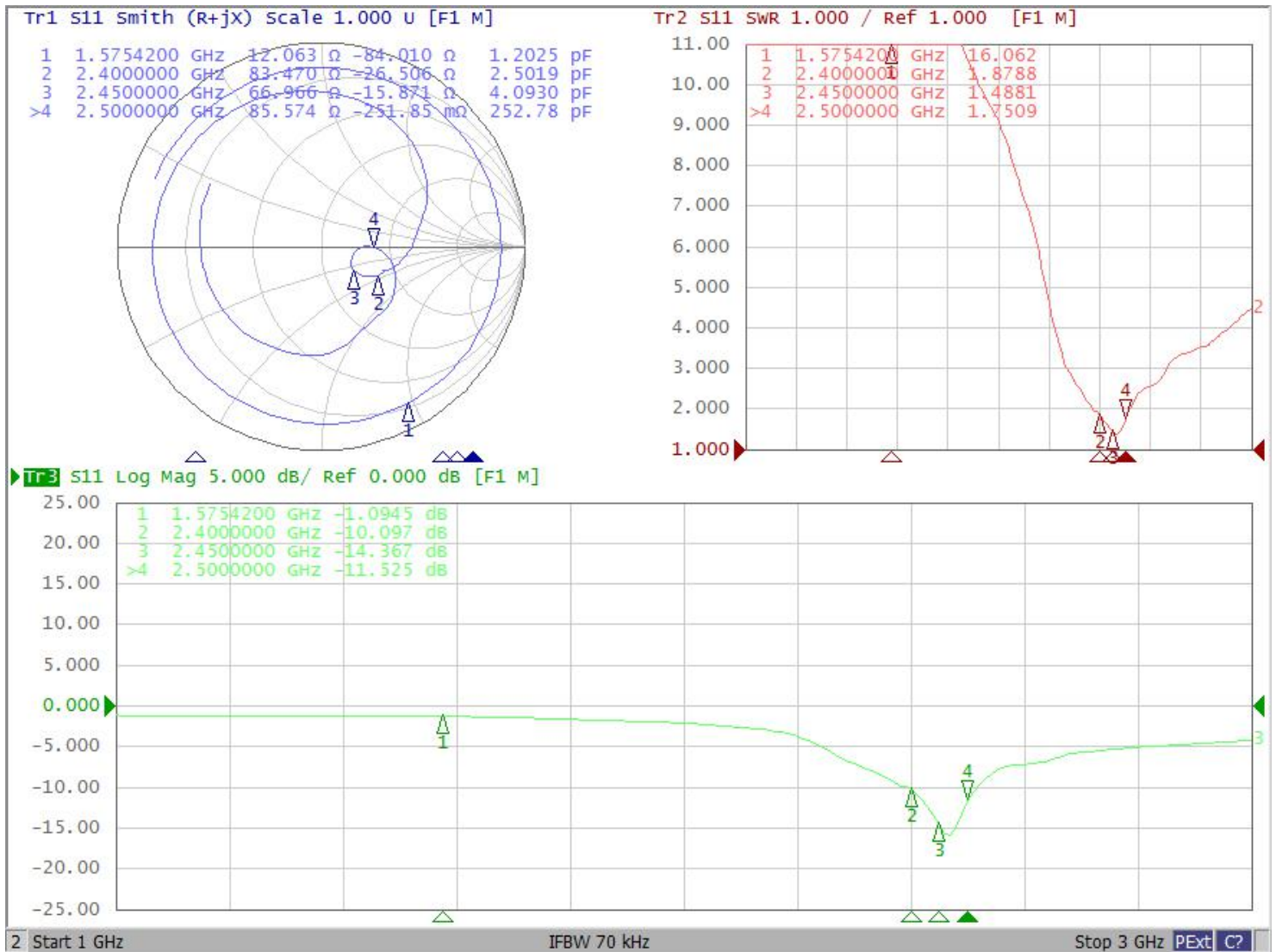


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2. Analyzer Measurement

2.1 Ant 2.4GWIFI & BT passive test results



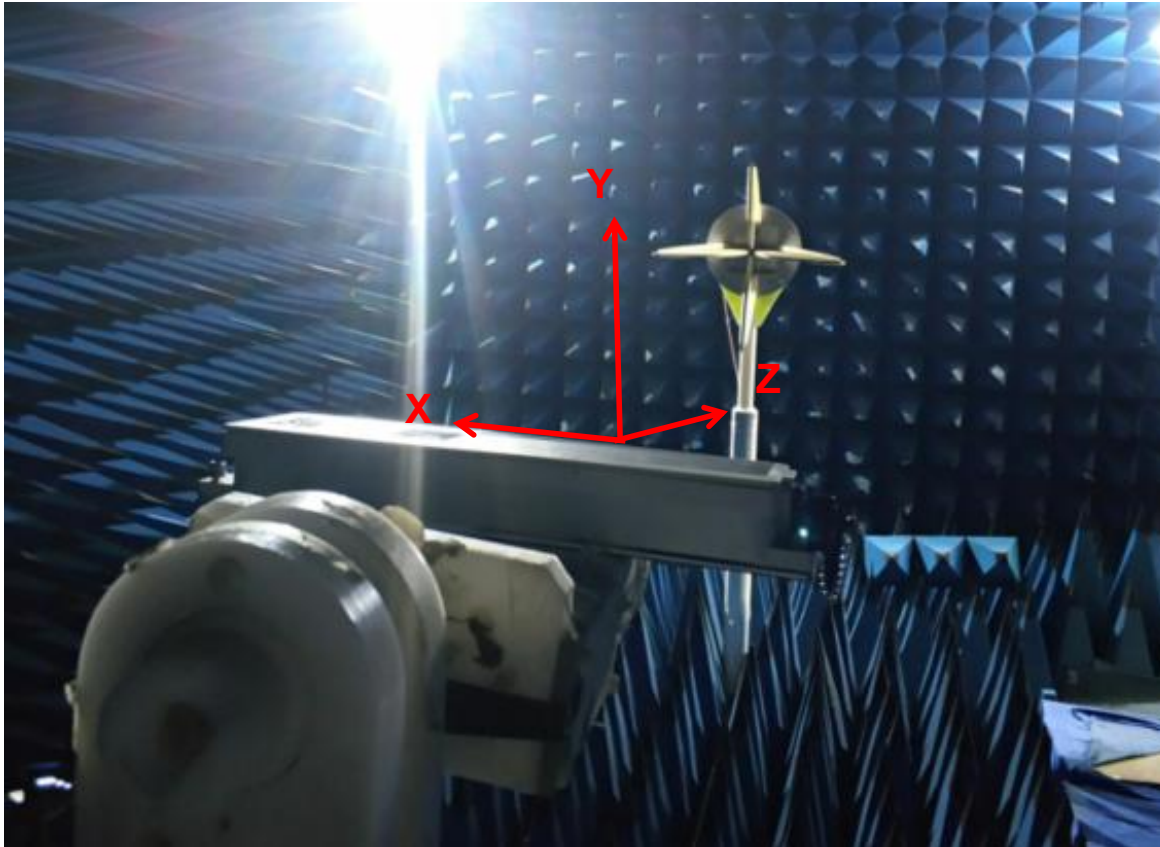


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3. Gain & Patterns test results

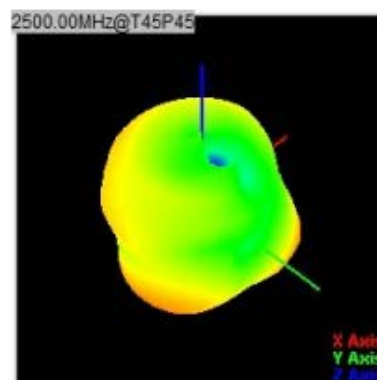
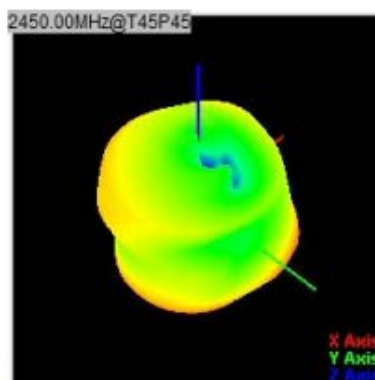
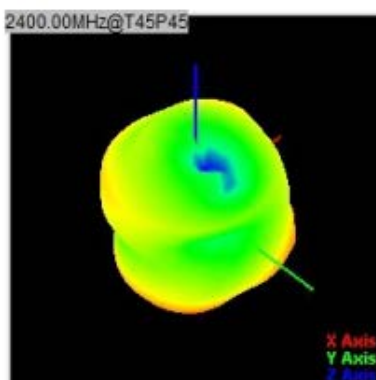
3.1 Measurement setting



BT:

Freq.(MHz)	2400	2450	2500
VSWR	1.87	1.48	1.75
Gain(dBi)	0.23	0.35	0.25
Eff.	35.9%	38.7%	33.6%

Radiation patterns:3D





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