

Shenzhen HX Antenna Co., Ltd.

SPECIFICATION FOR APPROVAL

Name of the company : _____

Name of an article : 2.4G copper tube antenna

Material code : HX-TG24-5B-125B1

Customer item number: _____

Specifications : See the specification

Date : 2023-11-03

Customer countersignature:

Department of Engineering	Quality department	Approve

Shen zhen hongxin technology electronics Co.Ltd:

Department of Engineering	Quality department	Approve
Huang Xiaoyu	Zhang Huan	Zhuang Weifeng

一：Antenna parameter

Design Specifications	Typical	Units
天线形式(Antenna form)	copper tube antenna	N/A
工作频率 (working Frequency)	2400-2500	MHZ
增益(Gain)	3	DBi
天线效率 (Antenna efficiency)	35~80	%
电压驻波比 (VSWR)	<1.8	N/A
极化方式 (Polarization)	vertical polarization	N/A
辐射方向 (Radiation pattern)	360°	N/A
馈电阻抗 (impedance)	50	ohm
功率容量 (Power handling)	33	dbm
天线接口 (Interface)	IPEX1	N/A
工作温度 (Operating Temp)	-30-70	°C
储存温度 (Storing Temp)	-30-70	°C

二: Antenna physical diagram

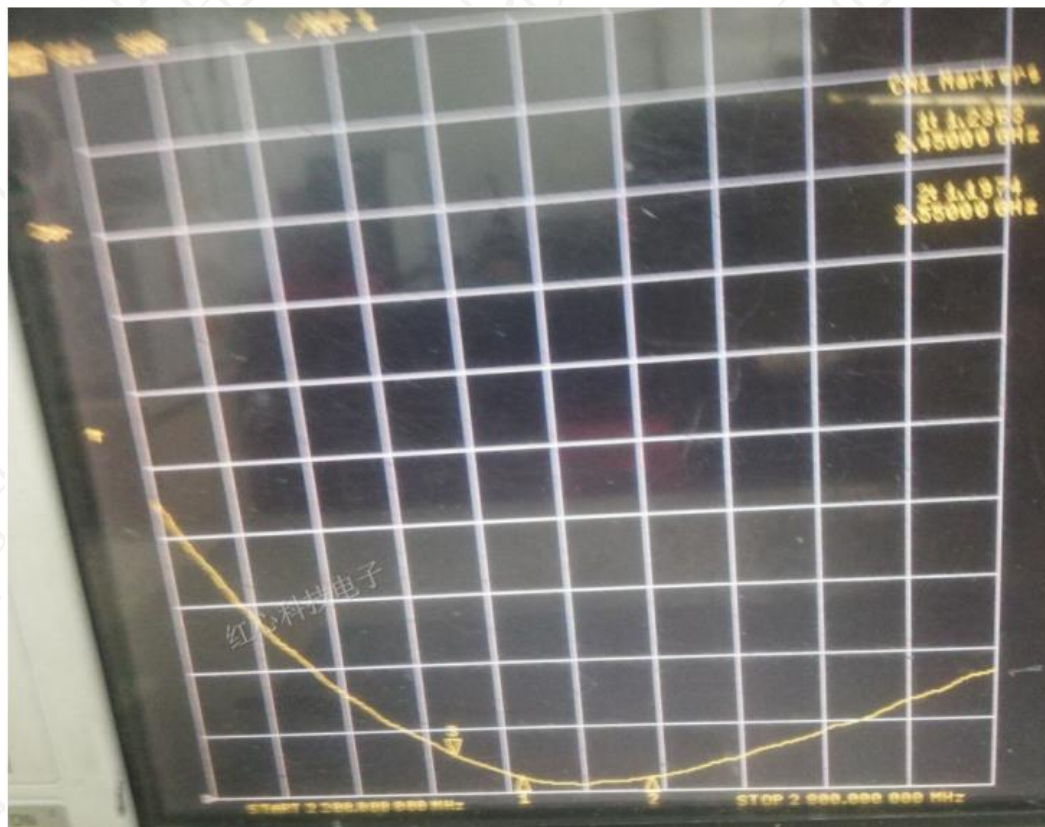


Fill:

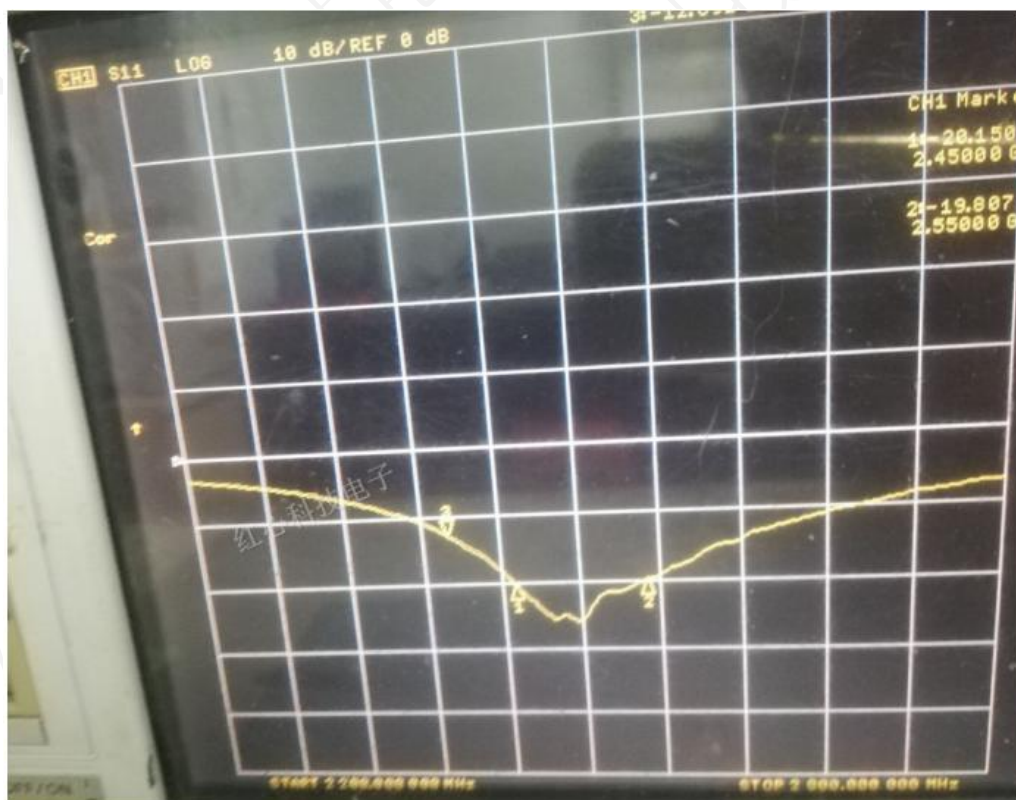
- 1.The antenna parameters are tested according to the simulated environment, and there will be performance deviations for different products.
- 2.The function of the antenna is sensitive. Please inform us to evaluate if there is any change in the peripheral structure of the main body.

三、VSWR（电压驻波比）/Return Loss（回波损耗）/Smith Chart（史密斯圆图）

VSWR（电压驻波比）

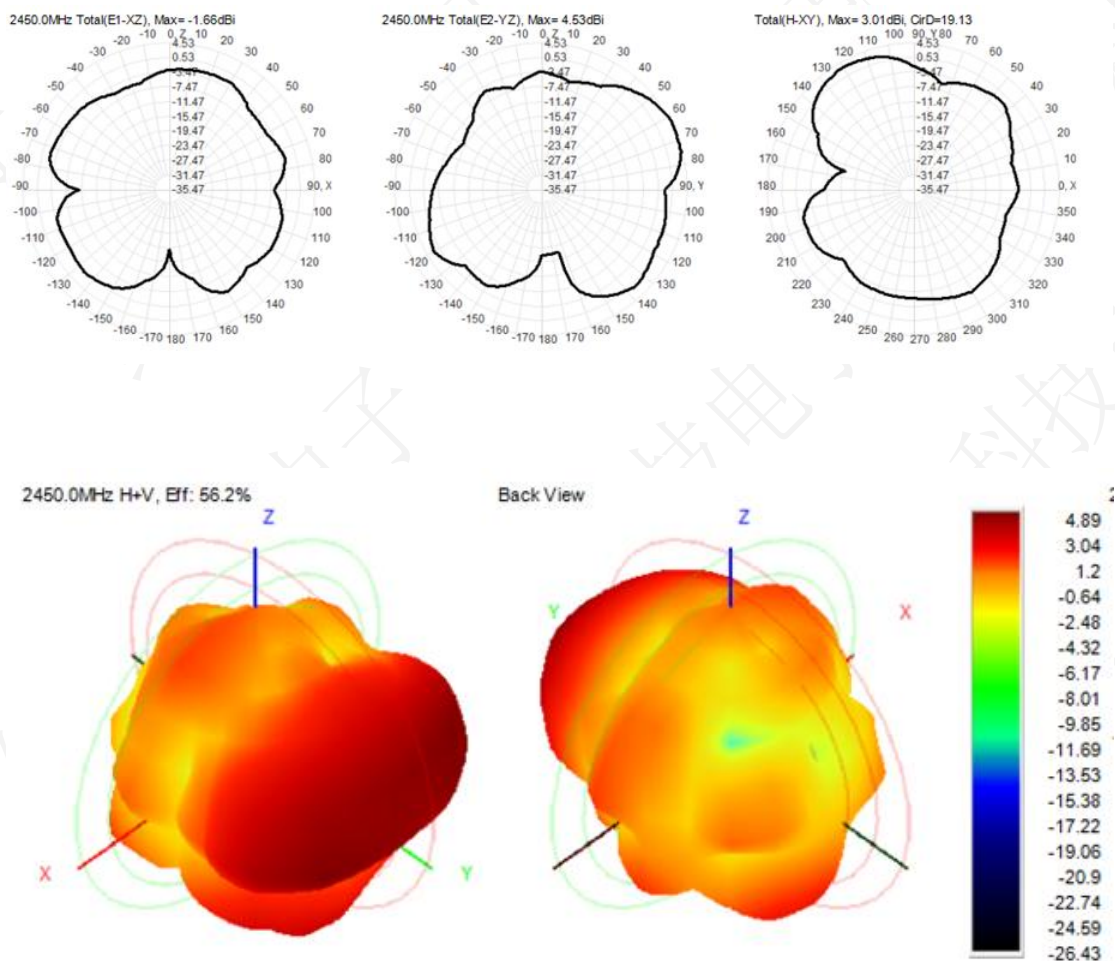


Return Loss (回波损耗)



Smith Chart (史密斯圆图)





四: Storage environment

Working temperature: -30 to 70°C

reserve temperature: -30 to 70°C

五: Dimensions


红心天线



Pass ISO9001 Quality Management
 System Certification
 Certificate Number: 06520001851R0M

Serial No	Name	Specifications/Color
1	Layer of insulation	The length is 27mm and the outlet line is 23mm
2	Heat shrink casing	Length 35MM/ inner copper tube $\Phi 5\text{MM}$
3	Radio frequency wire	$\Phi 1.13$ / black
4	IPEX 1	B1/ gold

GENERAL TOLERANCE (mm)			
DIMENSION	ANGLE	FINISH	UNIT
0.20	0.5°	0.1	mm
0.40	0.5°	0.1	mm
0.60	0.5°	0.1	mm
0.80	0.5°	0.1	mm
1.00	0.5°	0.1	mm

零件编号

制造图章号

制造图章号

日期

姓名

Shenzhen HX Antenna Co., Ltd.						名称: HX-TG24-5B-125B1	
单位: mm	比例: 1:1	材料:	一般加工	表面粗糙度	表面粗糙度	零件编号:	
数量:	颜色:	设计:	Y	检验:	Y	审核:	Y
		M		M		晏清华	M
						批准:	Y
						M	M

制图

描图

幅面: A4

Phone: 0755-23205219 Official website: <http://www.hxrf-antenna.com/>

Address: 2F, West of Building C10, Xin'an 2nd Industrial Zone, Xixiang Street, Bao'an District, Shenzhen