

Shenzhen hongxin technology electronics co., ltd

Product acknowledgement

SPECIFICATION FOR APPROVAL

Company name:

Name: 2.4G glue stick antenna

Material number: HX-AP24-8012-D1

Customer Item:

Specification: See the specification for details.

Date: July 1, 2021

Customer countersigning:

Engineering department	Quality department	Approve

Shenzhen Hongxin Technology Electronics Co., Ltd.:

Engineering department	Quality department	Approve
Zhuang Weifeng	Zhang Huan	Liu Lu

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One: antenna parameters

Design Specifications	Typical	Units
Antenna form	Glue stick antenna	
Working Frequency (working frequency)	2400-2500	MHZ
Gain	2	DBi
Antenna efficiency (antenna efficiency)	35~80	%
Voltage standing wave ratio (VSWR)	<1.8	
Polarization mode (polarization mode)	vertical polarization	
Radiation pattern	omnidirection	
Feedback impedance	50	ohm
Power handling (power handling)	33	dbm
Antenna Interface	SMA internal screw internal needle	
Antenna dimensions (excessive dimensions)	80*12	mm
Weight (weight)	no requirement	
Operating temperature (operating temperature)	-30-70	°C
Storage temperature (Storing Temp)	-30-70	°C

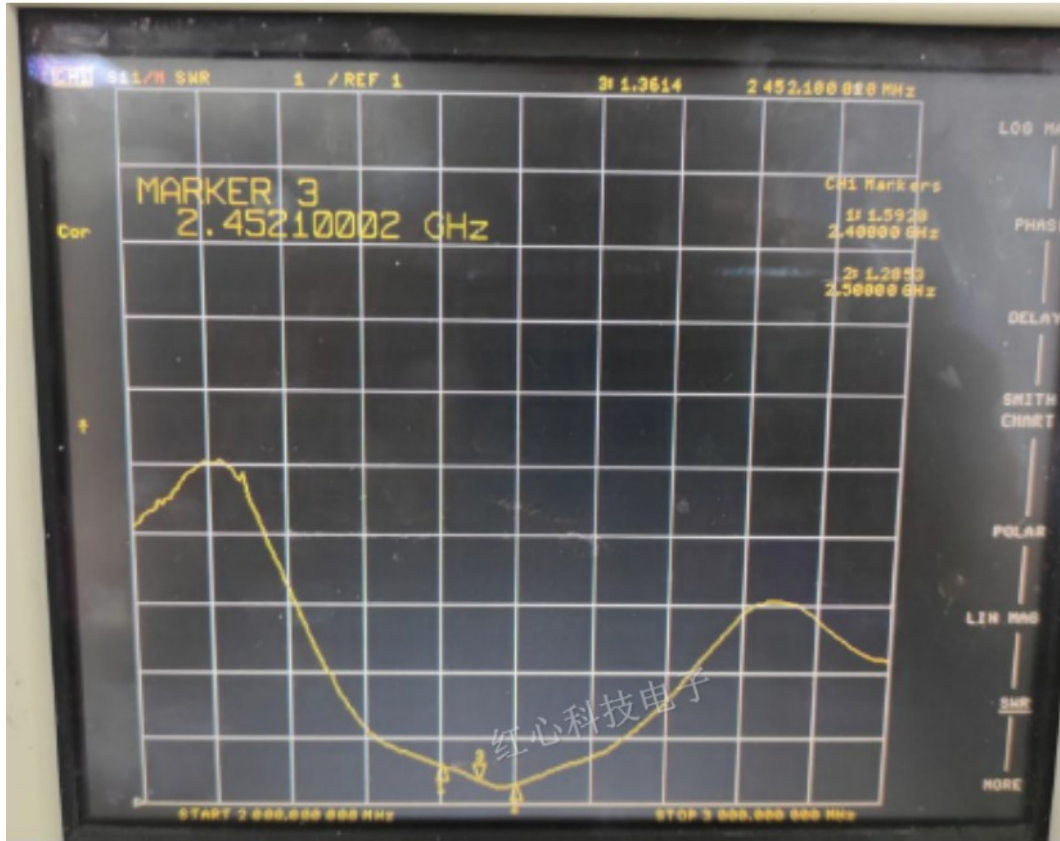
Two: antenna physical map



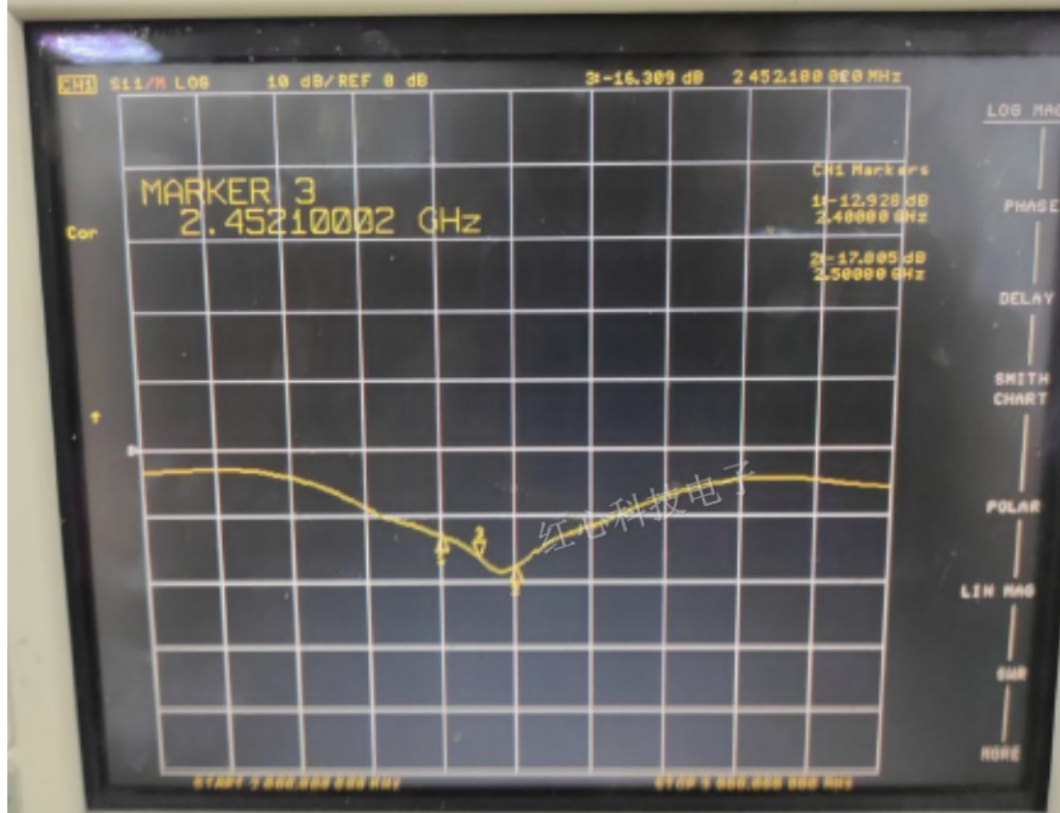
Note: 1. The antenna parameters are tested according to the simulated environment, and there will be performance deviation for different products.
2. The antenna function is sensitive. Please inform us for evaluation if there is any change in the surrounding structure of the main body.

Three, VSWR (voltage standing wave ratio) /Return Loss
(return loss) /Smith Chart (Smith chart)

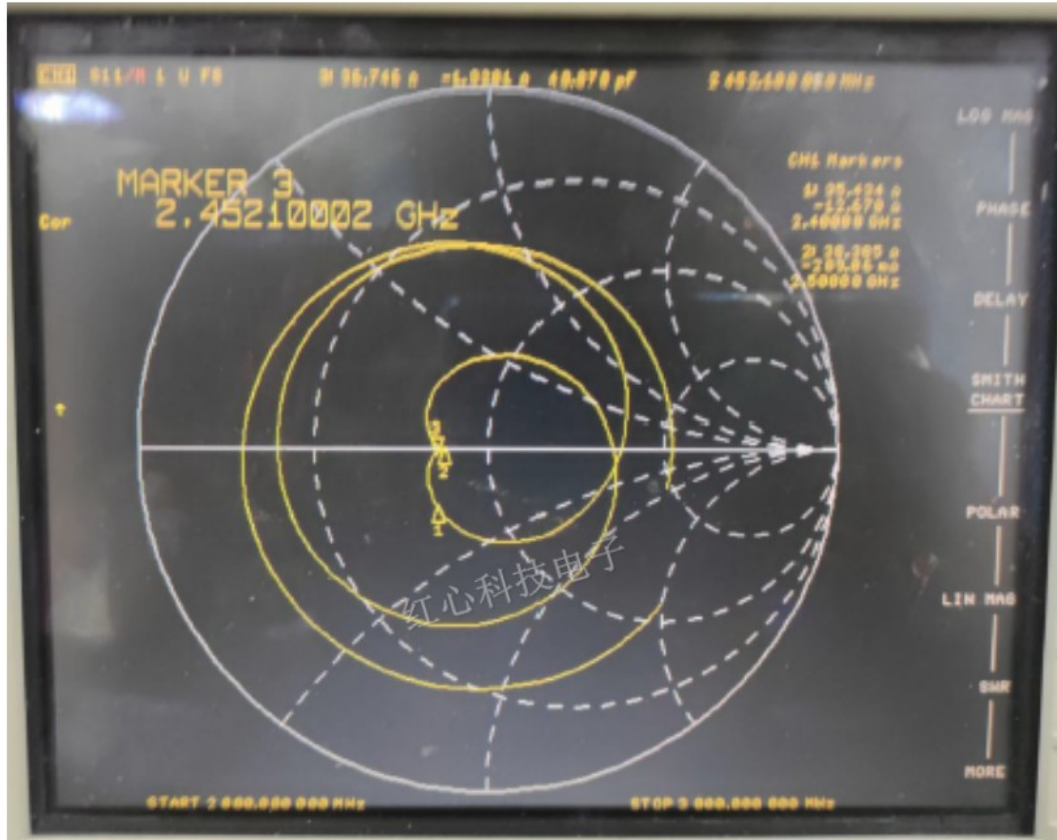
VSWR (voltage standing wave ratio)



Return Loss (return loss)



Smith Chart (Smith chart)



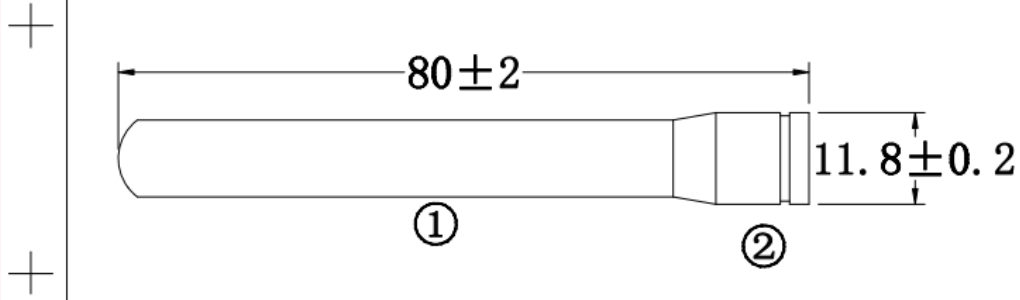
Four: storage environment

Working temperature:-30 to 70C

Storage temperature:-30 to 70C

V: Dimensions and specifications

序号	名称	规格/颜色
1	胶棒外壳	塑胶材质/黑色
2	SMA直头内螺内针	D1/黑色



图例

SMA接头内置

深圳市红心科技电子有限公司				名称: HX-AP24-8012-D1	
单位:	比例:	材料:	一般加工	余量	零件编号:
mm	1:1				
数量:	颜色:	设计:	检验:	审核:	批准:
				姜清华	
制图:	绘图:	审核:	批准:	共 1 页	共 1 页