STXPA112930SBA401 Specification
2.4G Sucker Antenna

1. Feature

* External type Sucker antenna
* RG-174 Black Cable
* SMA Plug straight Reverse
* Plastic rod of Black
* ROHS compliance

2. Application

* 2.4G Wireless Communication
* WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

3. Description

The antenna was specially designed by Suzhou Soant communication Equipment Co.,Ltd, for 2.4G Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

4. General Data

Product Name	2.4G Antenna
Part No.	STXPA112930SBA401
Frequency	2400~2500MHz
V.S.W.R	≤2.0
Peak Gain（dBi）	-3.0dBi
Polarization	Vertical
Term of validity	Six months
Storage Temp	-20℃~+75℃
Operating Temperature	-20℃~+80℃
Impedance with Matching	50 Ω
Dimension	L110(mm)

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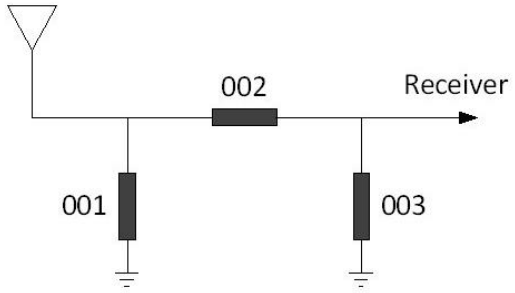
5. Typical Electrical Characteristics

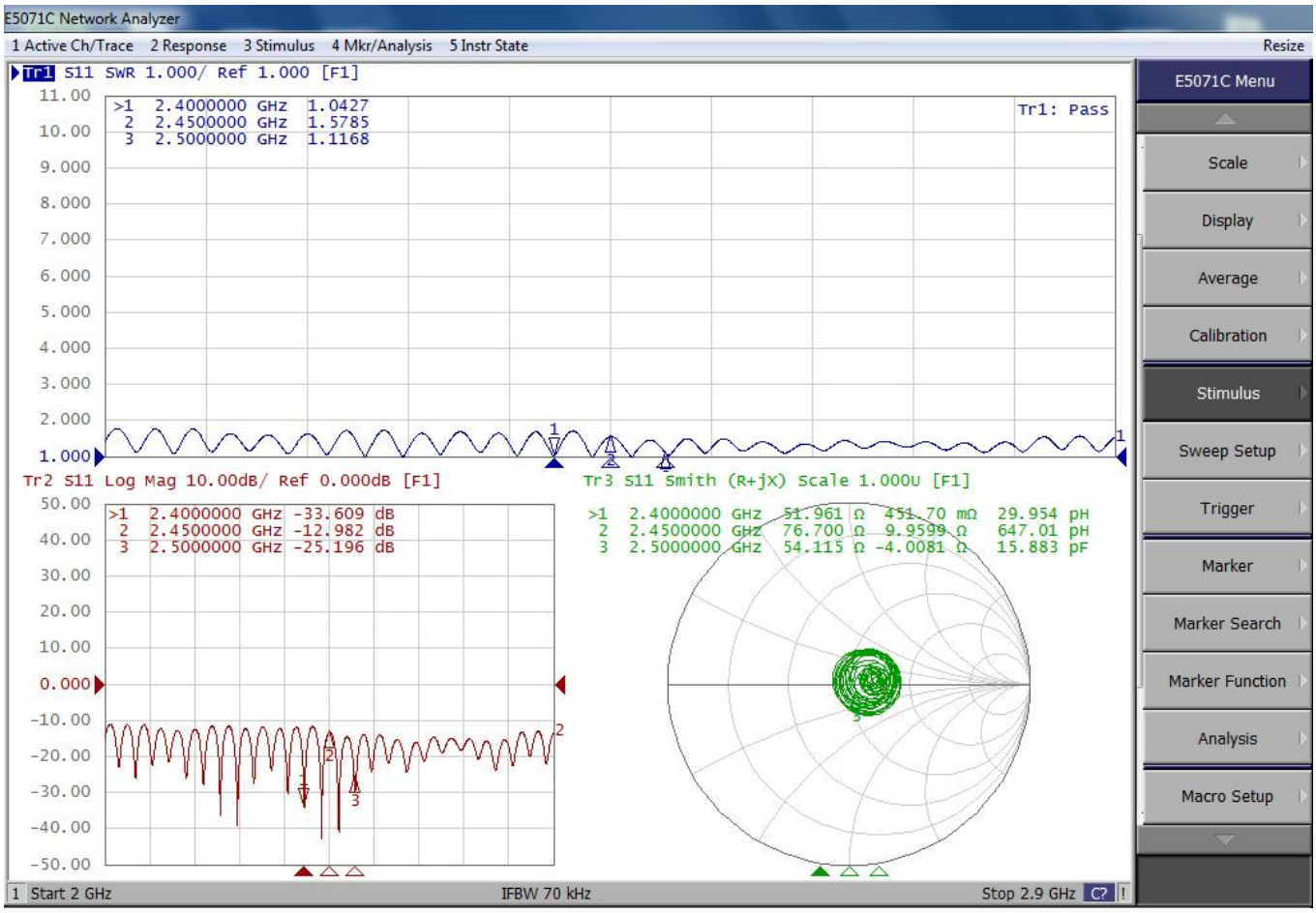
- Recommend Matching Circuit



Reference:

001=(N/A)
002=0 Ω
003=(N/A)

- **Return loss、VSWR& Smith chart**



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Frequency Total Data

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	5.0492	-3.9001	-8.9493	12.737
2410	4.7231	-4.5193	-9.2424	11.9058
2420	4.6642	-4.6812	-9.3454	11.6269
2430	4.8974	-4.1782	-9.0756	12.3719
2440	5.1776	-3.9269	-9.1045	12.2899
2450	5.3391	-3.7236	-9.0627	12.4087
2460	5.3824	-3.5627	-8.9451	12.7495
2470	4.8992	-3.7628	-8.662	13.6081
2480	4.4344	-4.2681	-8.7025	13.4818
2490	4.5002	-4.1473	-8.6475	13.6538
2500	4.5434	-3.9108	-8.4542	14.2752

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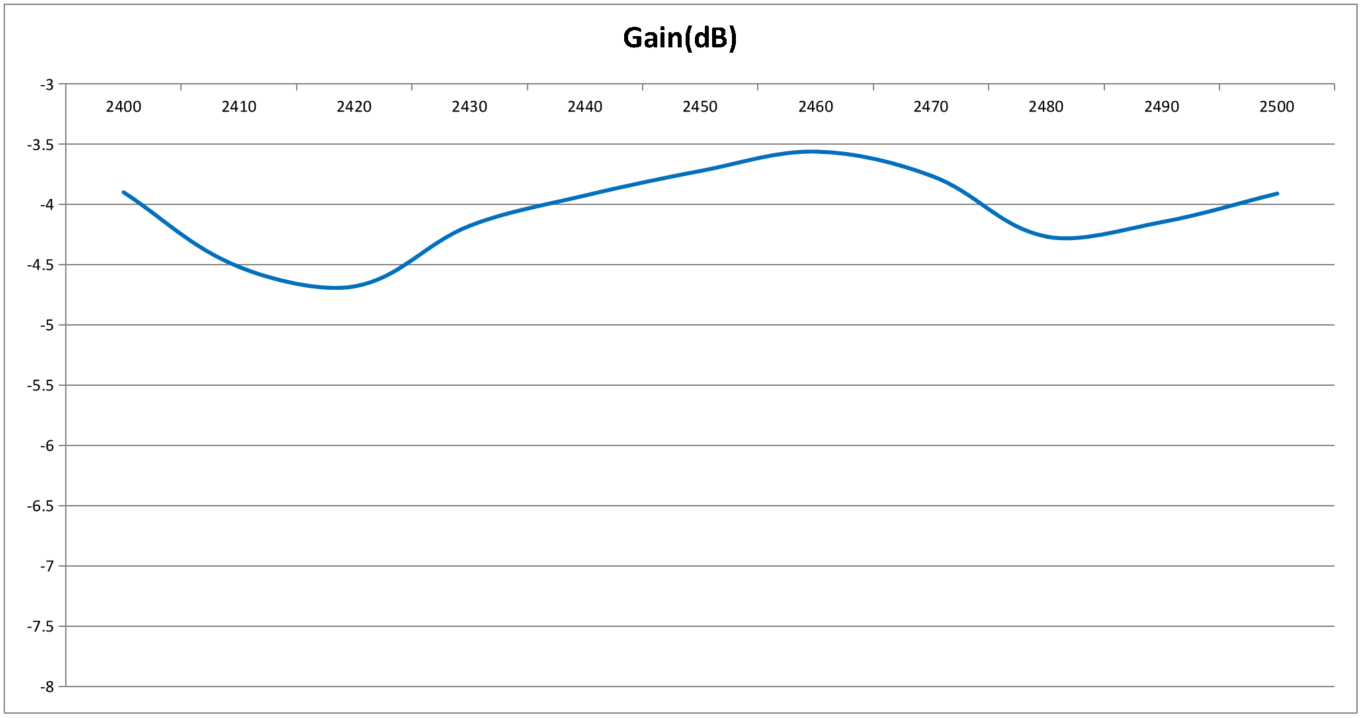
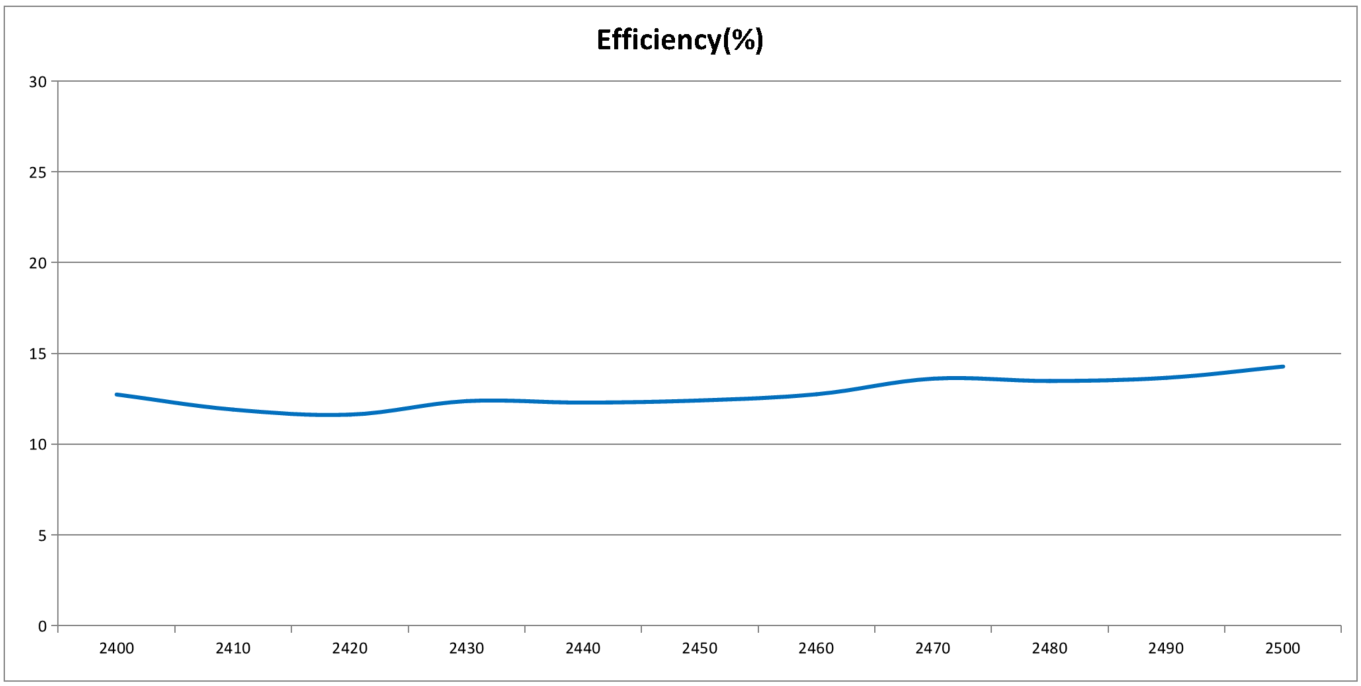
Gain(dB)&Efficiency(%)





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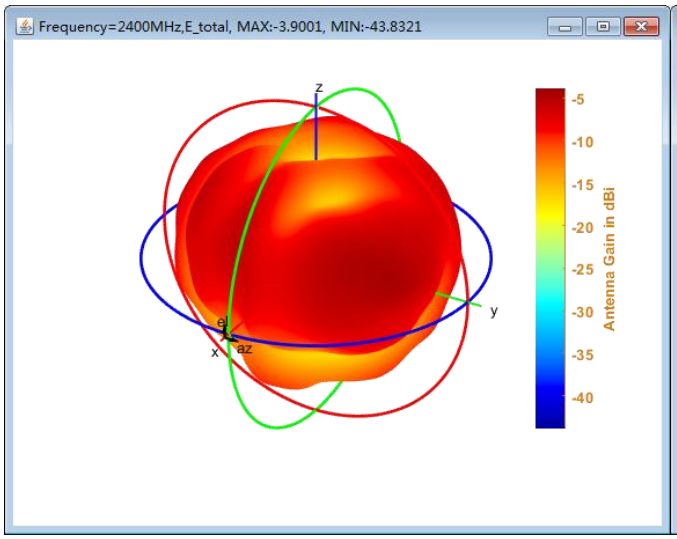
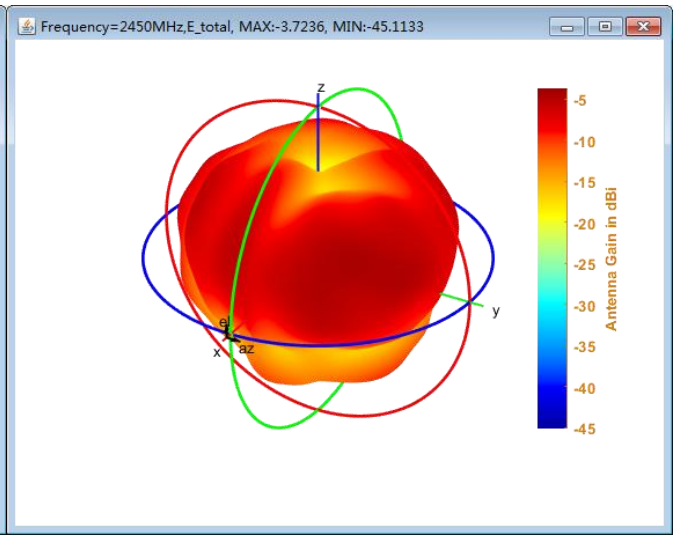
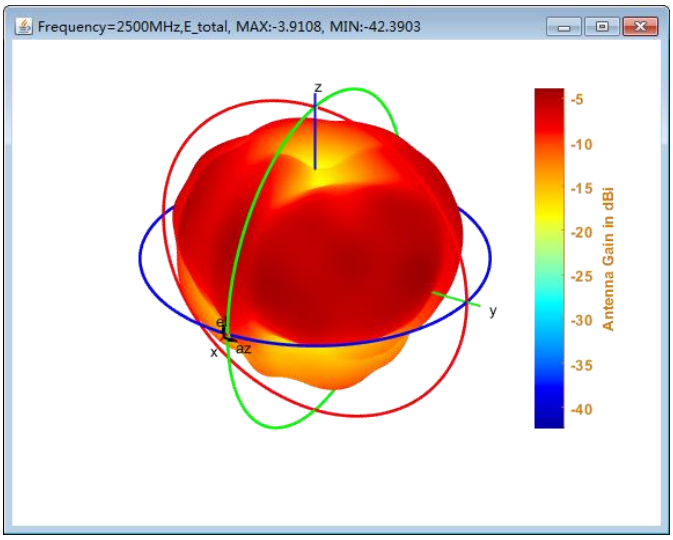
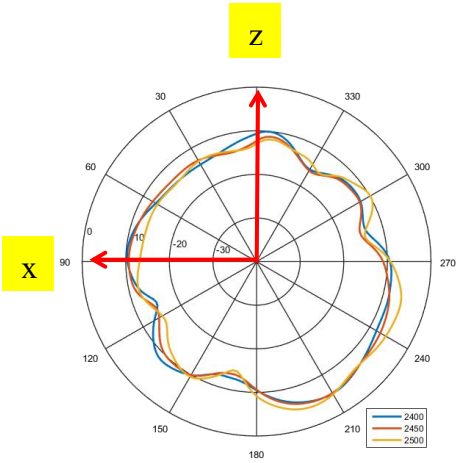
2D&3D test pattern

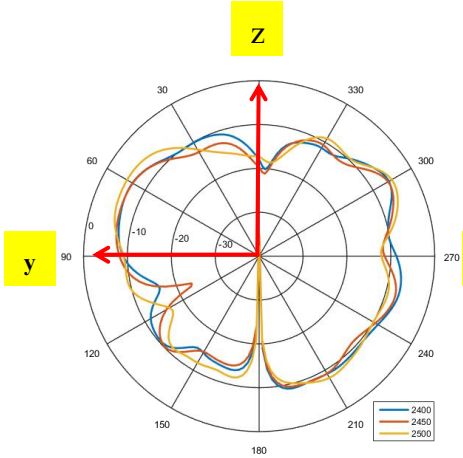


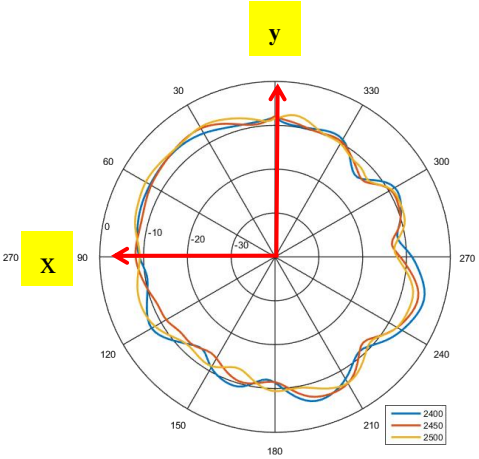




XZ Plane	YZ Plane	XY Plane







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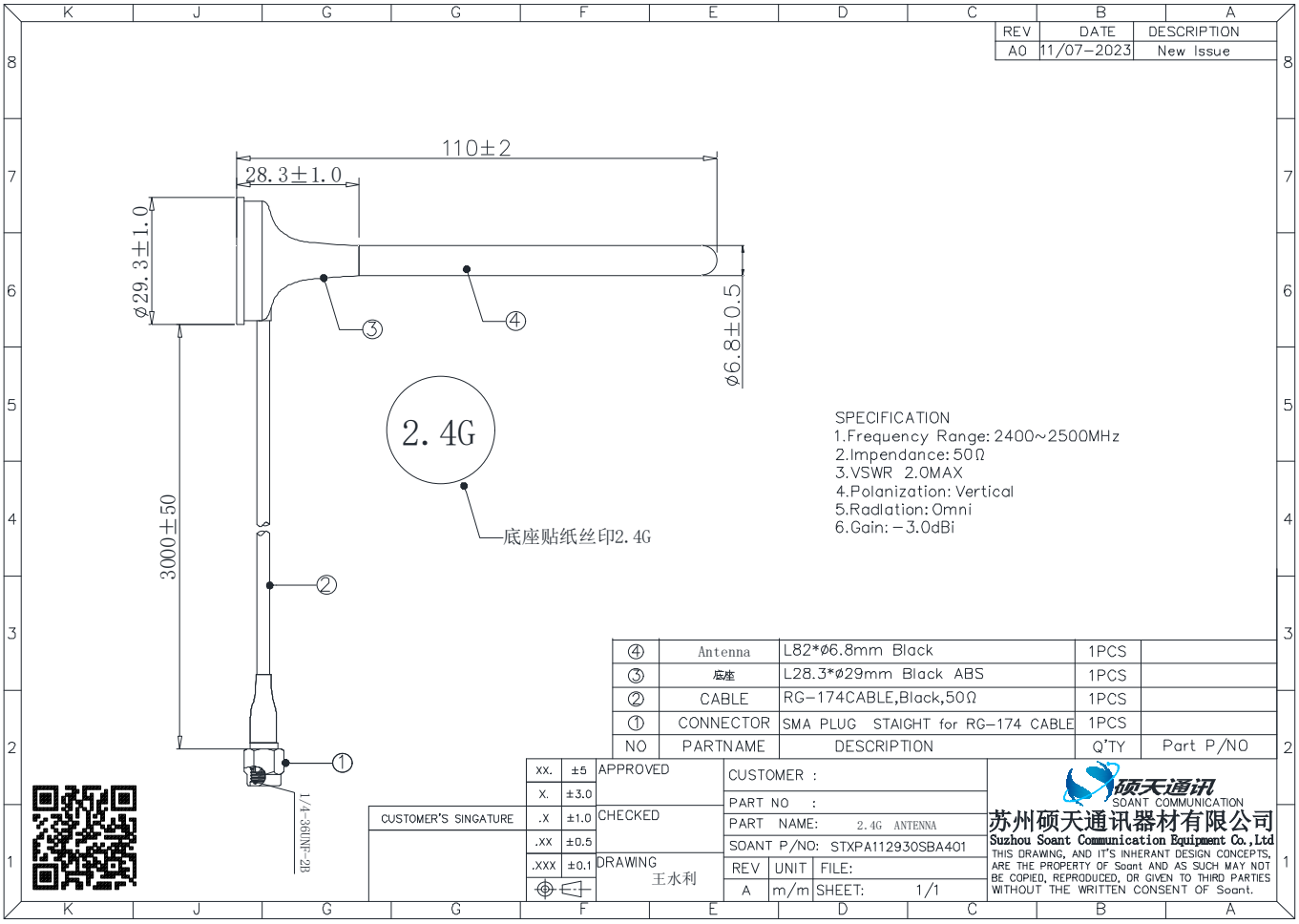
6. Dimension


REV DATE DESCRIPTION
A0 11/07-2023 New Issue
110±2
28.3±1.0
ø29.3±1.0
ø6.8±0.5
3000±50
2.4G
底座贴纸丝印2.4G
1/4-36UNF-2B
SPECIFICATION
1.Frequency Range: 2400~2500MHz
2.Impendance: 50Ω
3.VSWR 2.0MAX
4.Polanization: Vertical
5.Radiation: Omni
6.Gain: -3.0dBi
④ Antenna L82*ø6.8mm Black 1PCS
③ 底座 L28.3*ø29mm Black ABS 1PCS
② CABLE RG-174CABLE,Black,50Ω 1PCS
① CONNECTOR SMA PLUG STAIGHT for RG-174 CABLE 1PCS
NO PARTNAME DESCRIPTION Q'TY Part P/NO
CUSTOMER'S SINGATURE
XX. ±5 APPROVED
X. ±3.0
.X ±1.0 CHECKED
.XX ±0.5
.XXX ±0.1 DRAWING
王水利
CUSTOMER :
PART NO :
PART NAME: 2.4G ANTENNA
SOANT P/NO: STXPA112930SBA401
REV UNIT FILE:
A m/m SHEET: 1/1
硕天通讯 SOANT COMMUNICATION
苏州硕天通讯器材有限公司
Suzhou Soant Communication Equipment Co.,Ltd
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