

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

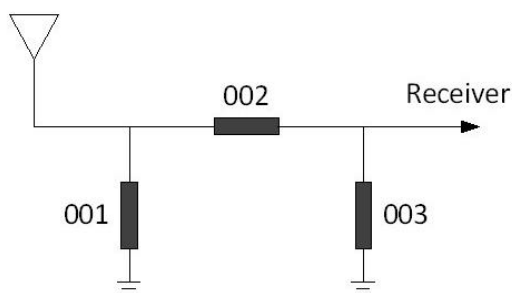
The antenna was specially designed by Suzhou Soant communication Equipment Co.,Ltd, for 2.4G Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

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)

5. Typical Electrical Characteristics

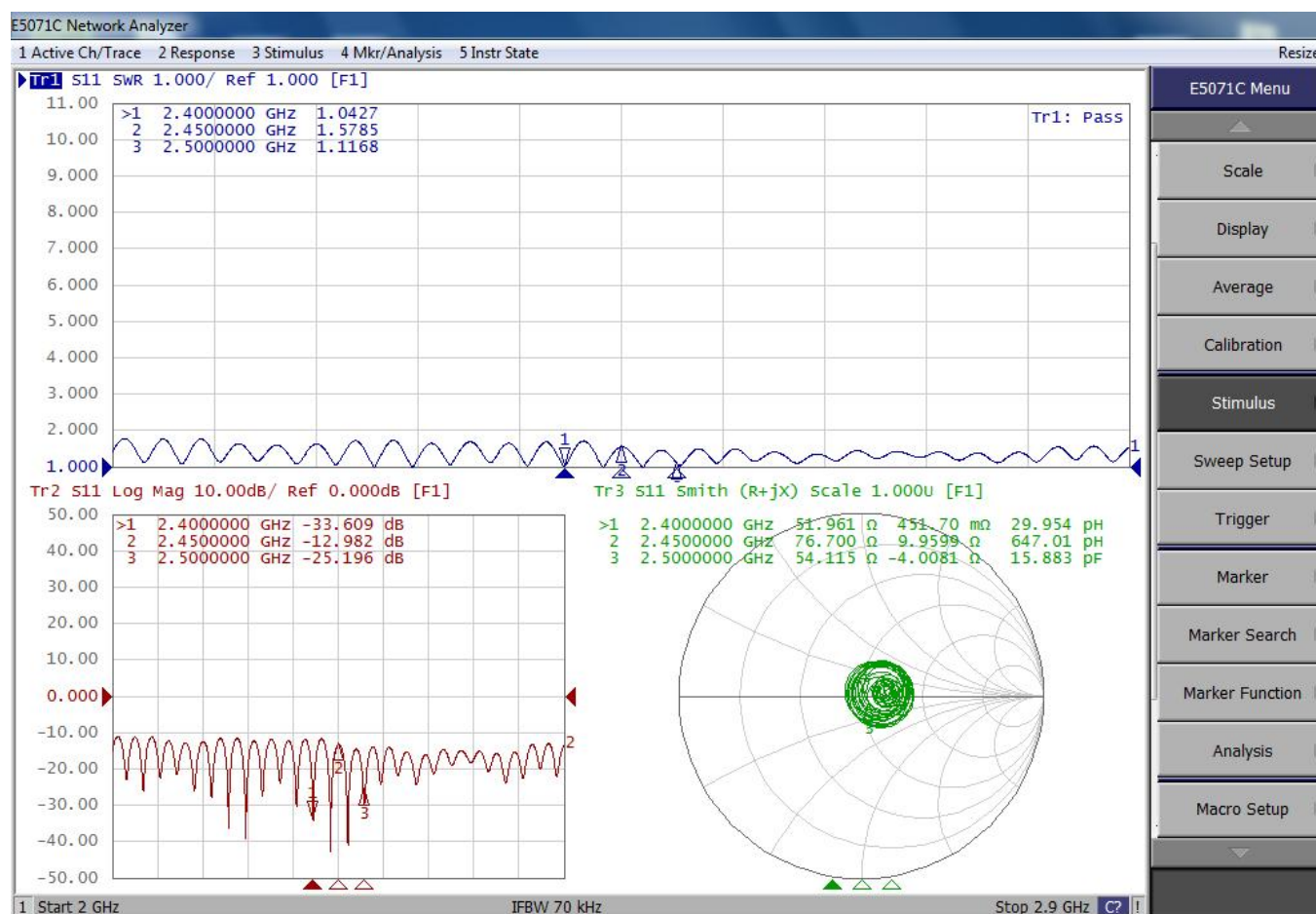
- Recommend Matching Circuit



Reference:

001=(N/A)
 002=0 Ω
 003=(N/A)

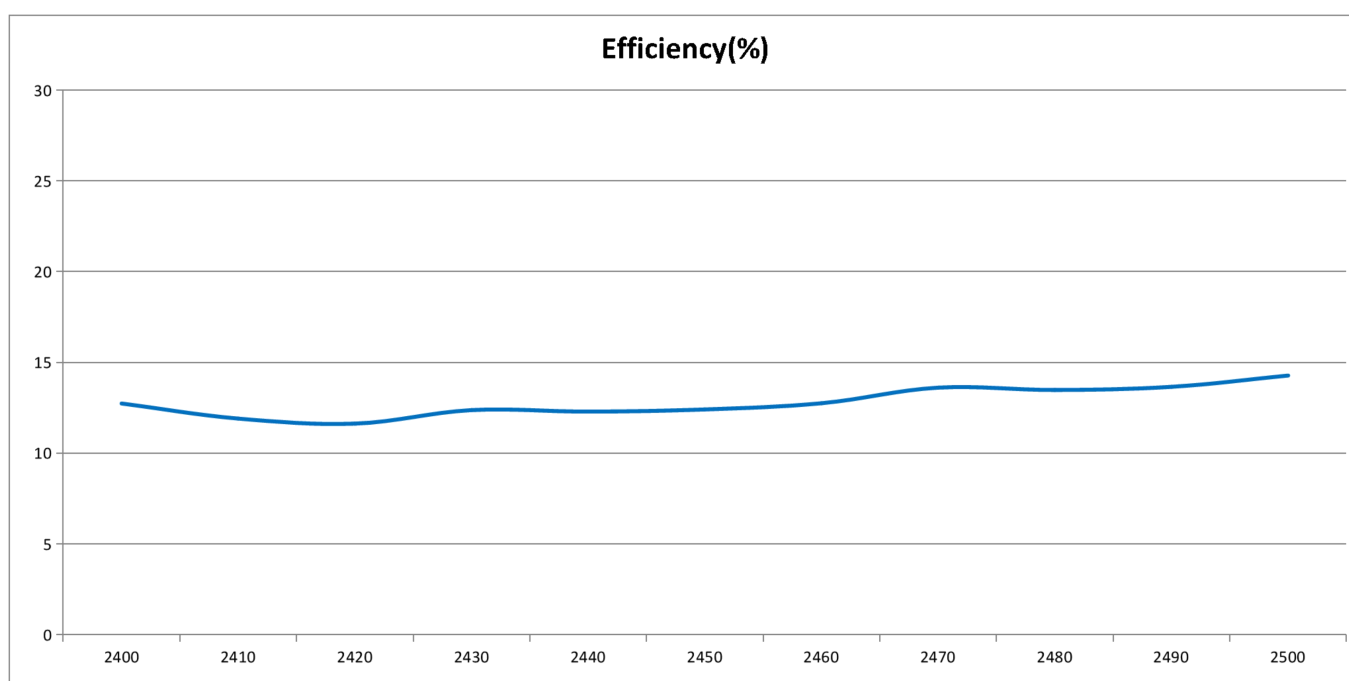
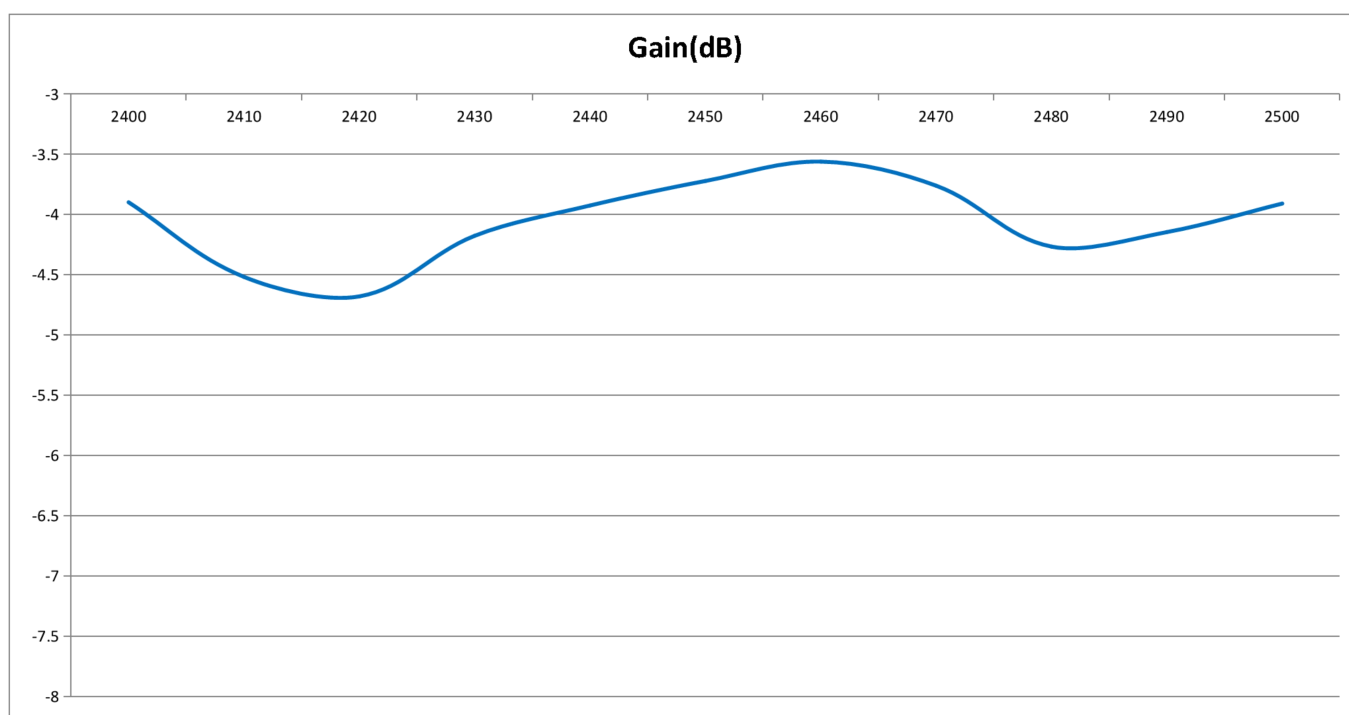
- Return loss、VSWR& Smith chart



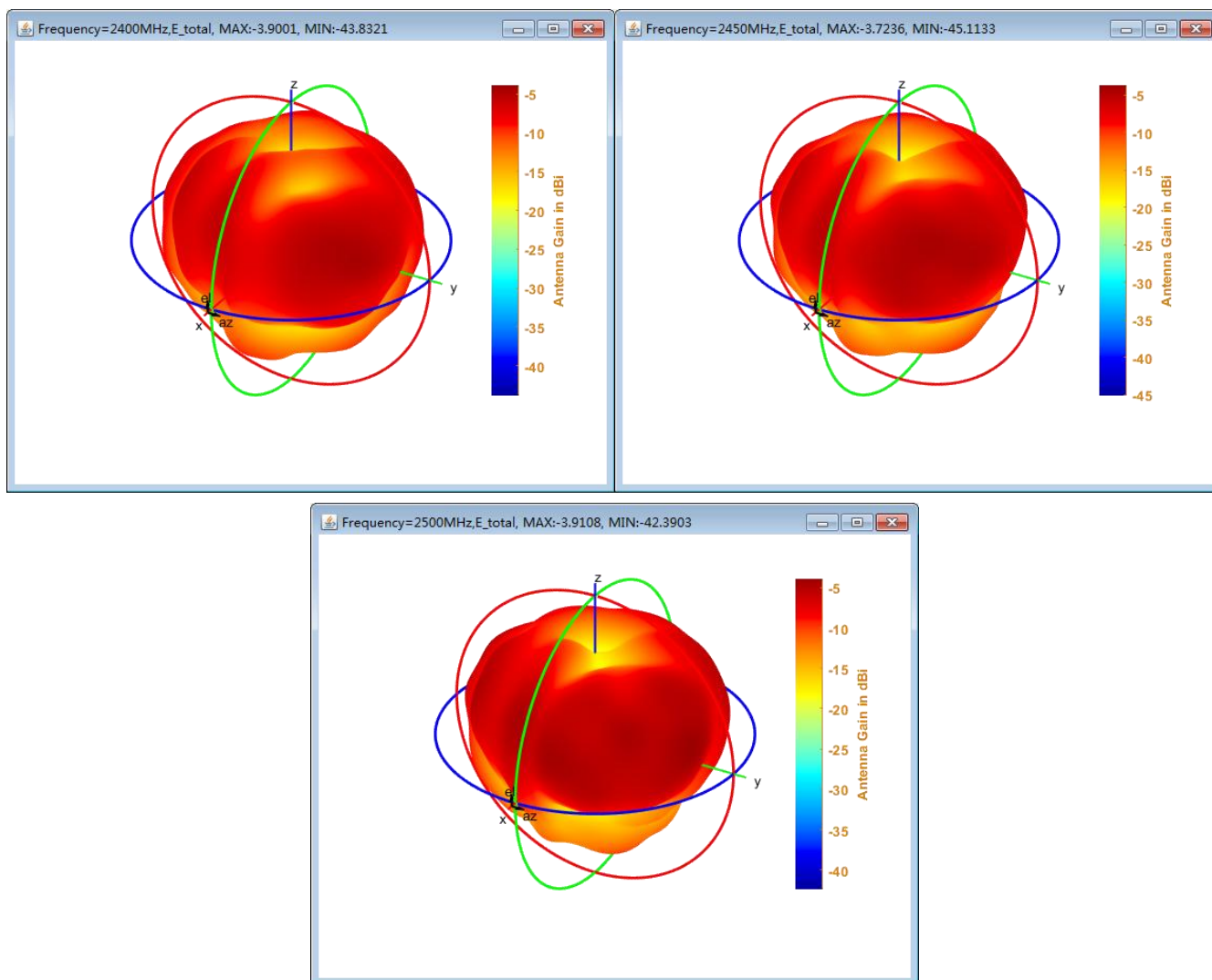
Frequency Total Data

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

Gain(dB)&Efficiency(%)



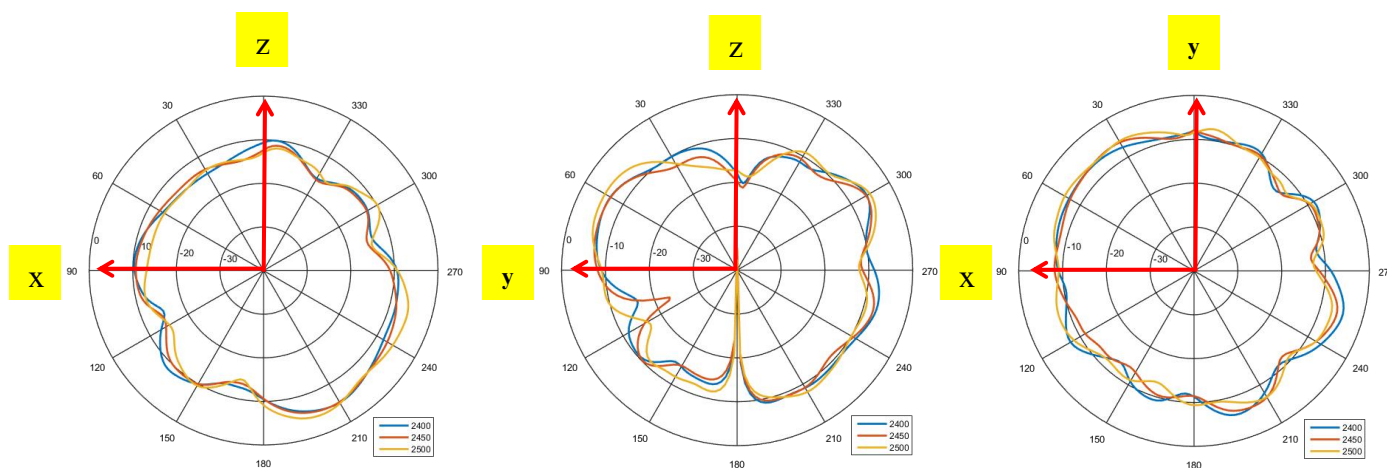
2D&3D test pattern



XZ Plane

YZ Plane

XY Plane



6. Dimension

