



Shenzhen South Star Technology Co., LTD

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## SPECIFICATIONS FOR APPROVAL

### 德域创新科技有限公司

**Customer Name:** \_\_\_\_\_

**Product Name:** \_\_\_\_\_

WIFI 天线

**Product Model:** \_\_\_\_\_

Q8-DM

**Part Number:** \_\_\_\_\_

N12-0606-R0A

**Write By :** \_\_\_\_\_

陈喜丽

**Issued Date:** \_\_\_\_\_

2012-12-13

## CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

## SOUTHSTAR

R & D DEPT	ENGINEER R&D DEPT	APPROVAL



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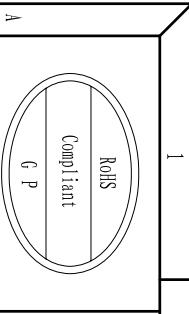
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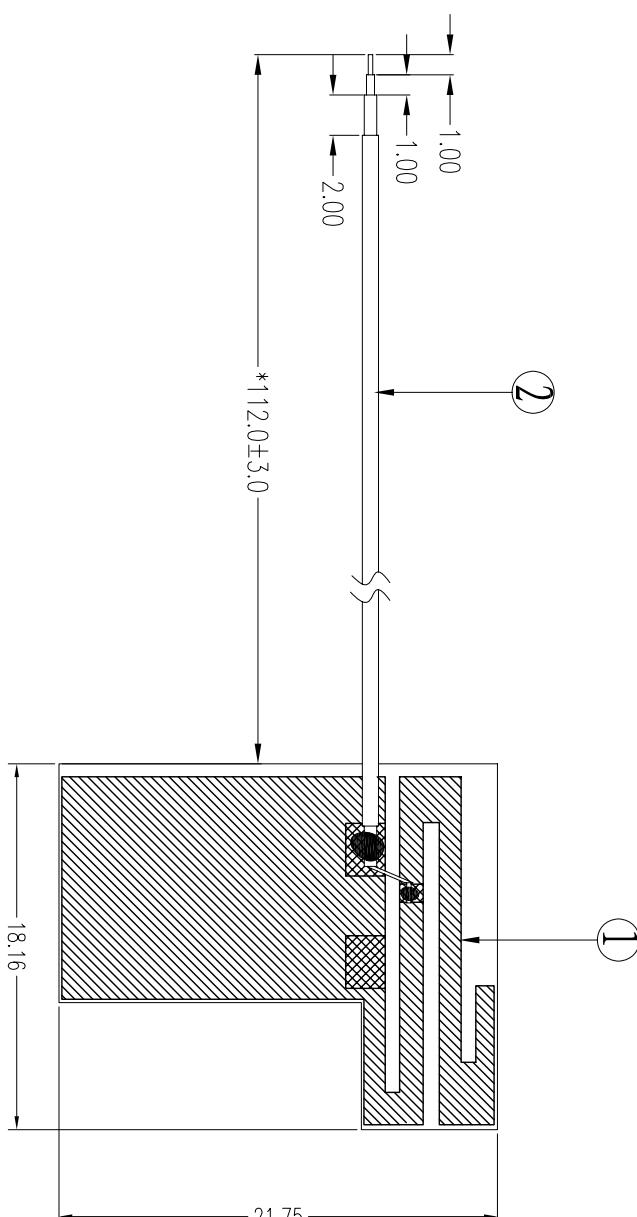
## Product Specification

A. Electrical Characteristics		
<b>Frequency</b>	<b>2400 MHz ~2500 MHz</b>	
<b>VSWR</b>	<b>&lt;2 @ 2400 MHz ~ 2500 MHz</b>	
<b>Efficiency</b>	<b>&gt;40%</b>	
<b>Impedance</b>	<b>50 Ohm</b>	
<b>Polarization</b>	<b>Linear</b>	
<b>Gain</b>	<b>3DB</b>	
B. Material & Mechanical Characteristics		
<b>Material of Radiator</b>	<b>FPC</b>	<b>yellow</b>
<b>Cable Type</b>	<b>¢ 1.13mm black</b>	
<b>Connector Type</b>		
<b>Dimension</b>		
C. Environmental		
<b>Operation Temperature</b>	<b>- 30 °C ~ + 80 °C</b>	
<b>Storage Temperature</b>	<b>- 30 °C ~ + 85 °C</b>	

1 2 3 4 5 6 7 8



A B C



深 圳 南 斗 星 科 技 有 限 公 司						
SHEN ZHEN SOUTHSTAR CO., LTD						
Simpl. Star		Third Angle Project		Q8-DM		
0~10	±0.2	○	Part Name	WIFI天线	Designed by	
10~18	±0.5	◎	Part No.	N12-0606-R0A	Checked by	MD
18~30	±0.8	⊥	Material	N/A	RF	
30~40	±1.0	▽				
40~	±2.0	Angle ±0.5°	dwg No.	N12-0606-R0A	Approved by	
Rev	Description	Date	Remark	Unit	mm	Scale 1:1 Rev A
1			Location N/A	5	6	7 8

D

New drawing

Rev

C

C



## Test Equipment & Conditions

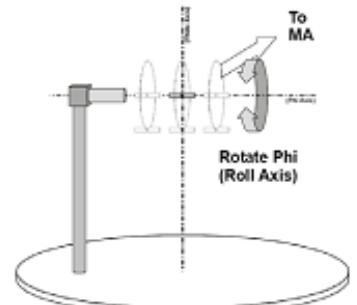
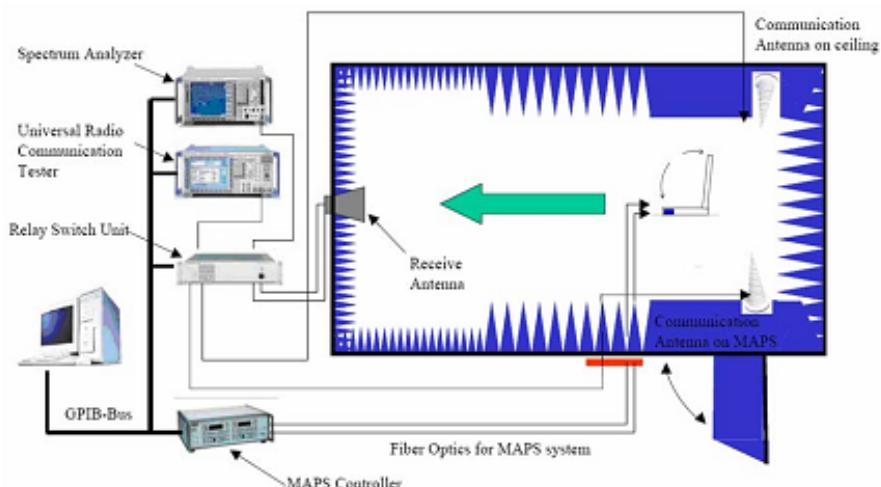
### 1. Network Analyzers :

Agilent 8753D 5071B

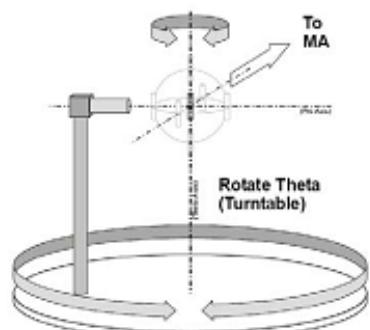
### 2. Communications Test Set:

Agilent E5515C

### 3. 3D Chamber Test System



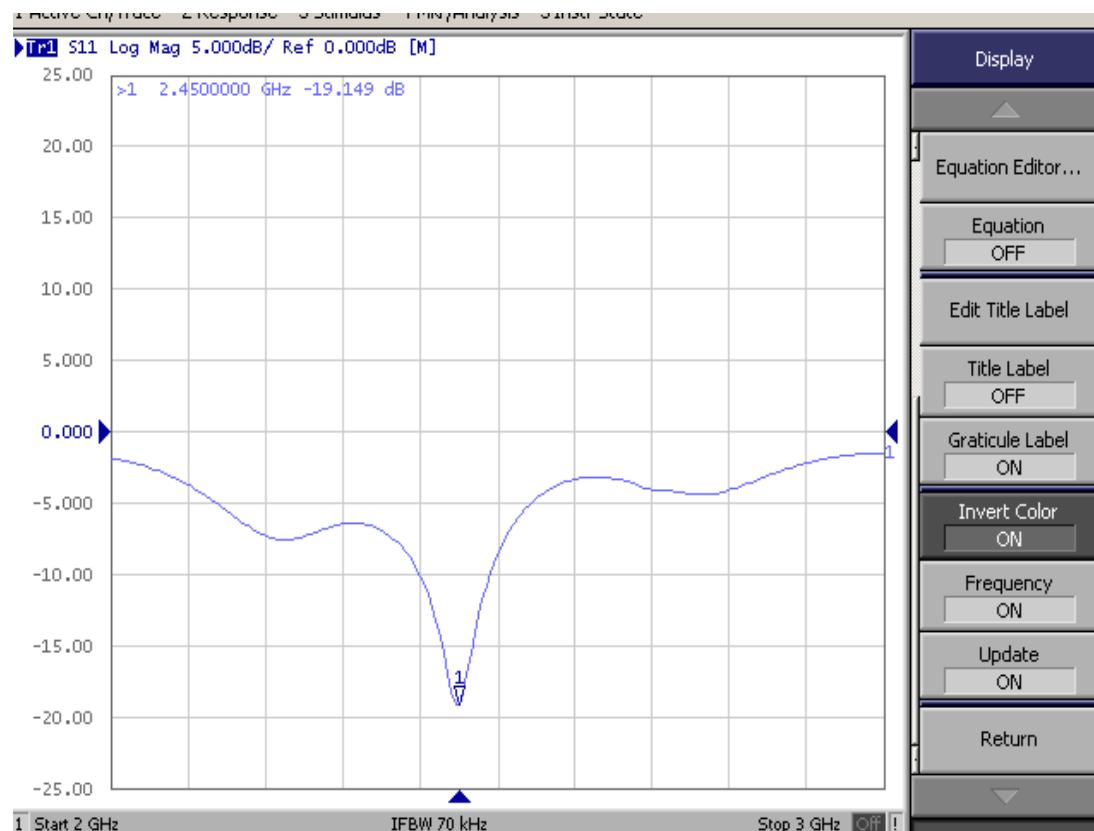
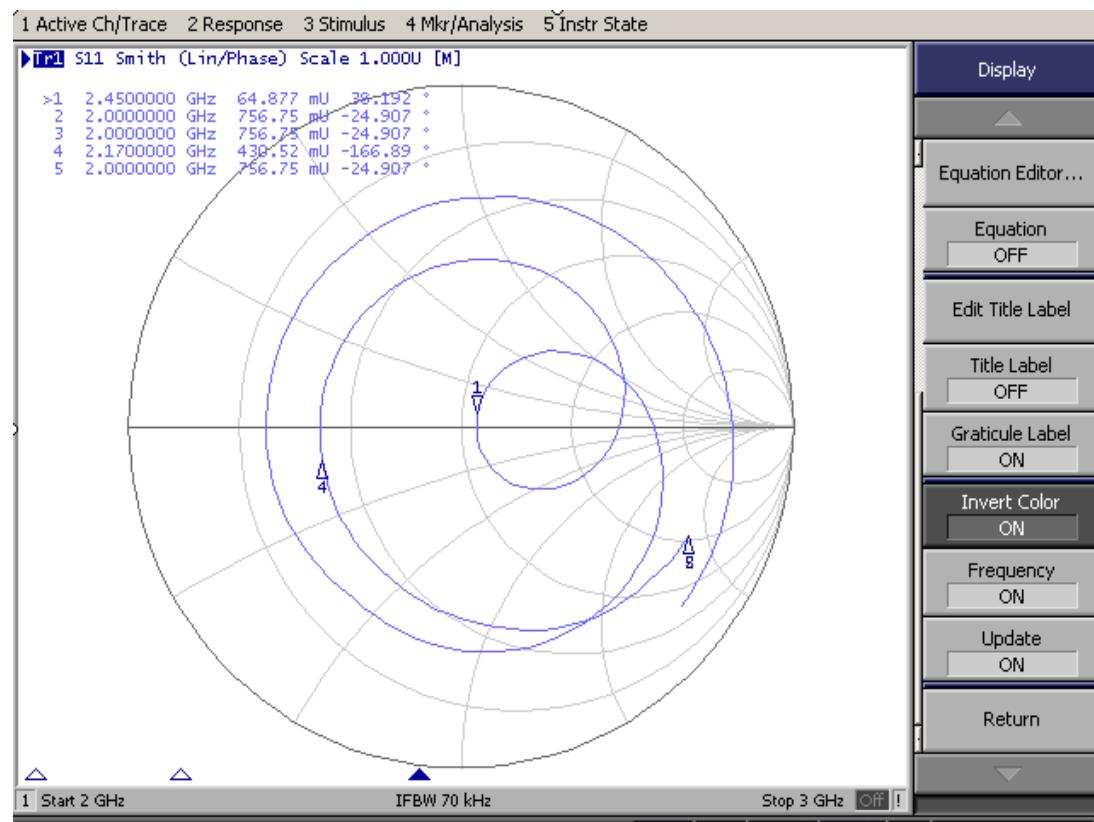
**Phi axis test**



**Theta axis test**

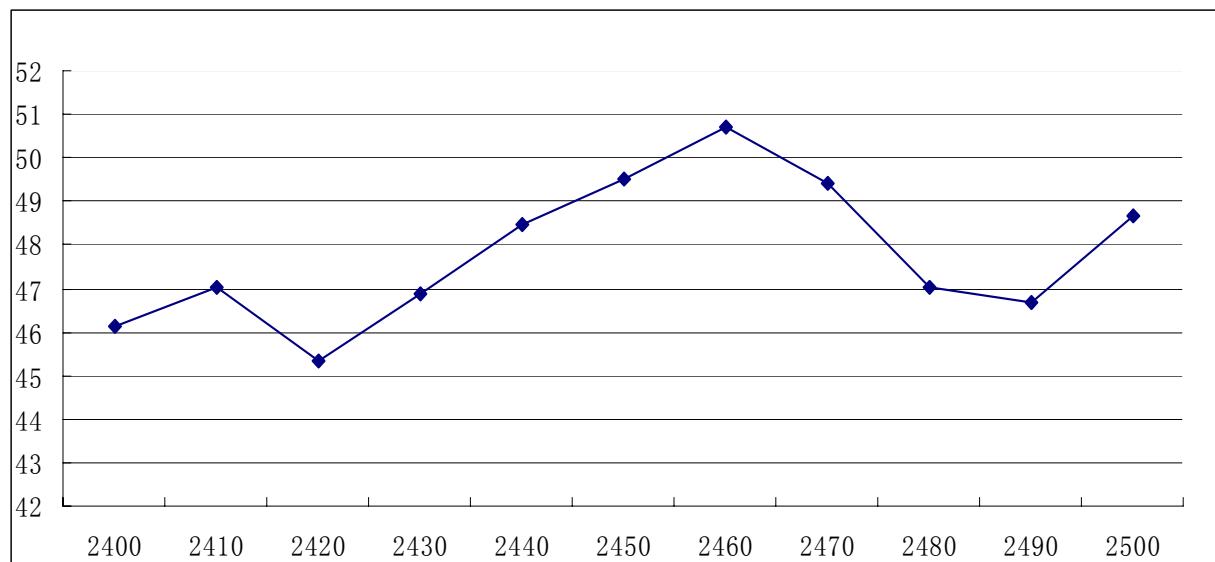


## Antenna Impedance: S11 & Smith

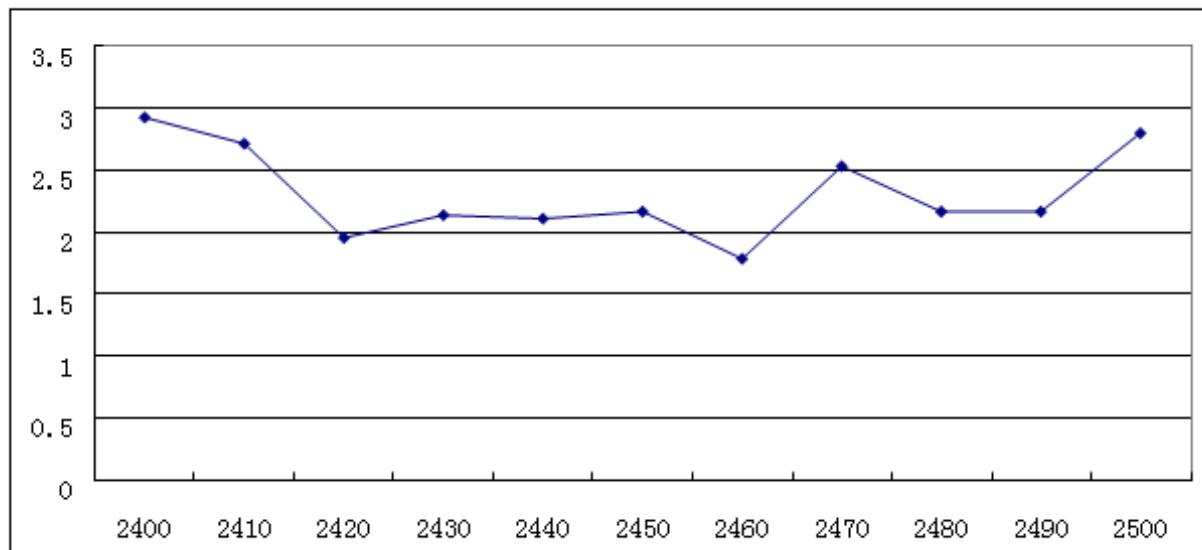




## Total Efficiency:



## GAIN:





**Radiation Pattern:**

