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SPECIFICATIONS FOR APPROVAL

Customer Name: IDT(万威)

Product Name: WIFI 天线

Product Model: **0P0118-13**

Part Number: N12-1104-R0A

Write By : 戴小燕

Issued Date: 2013-05-14

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D D E P T	ENGINEER R&D DEPT	APPROVAL



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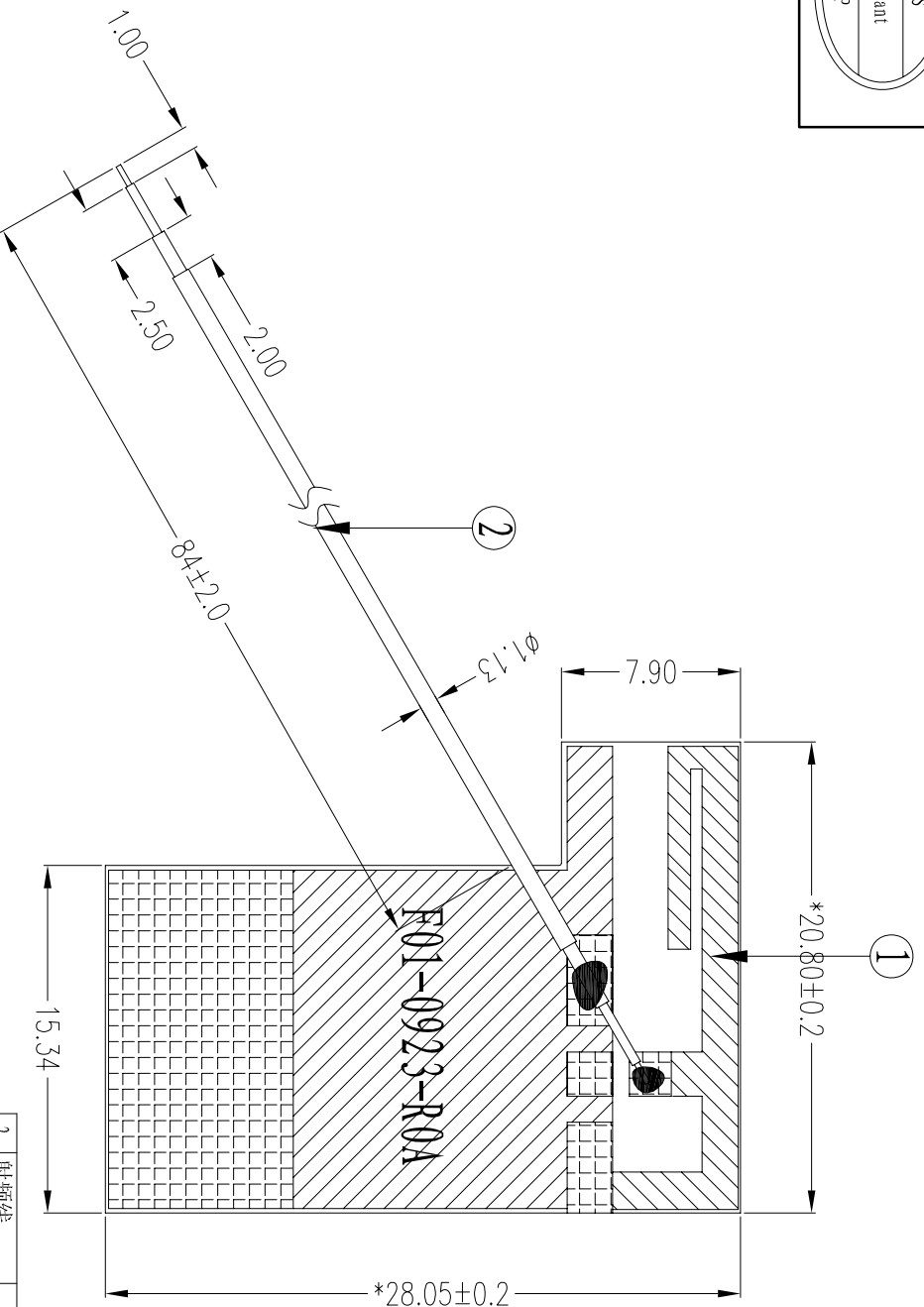
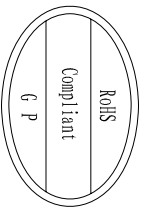
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Product Specification

A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2 @ 2400 MHz ~ 2500 MHz
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	3 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPCB yellow
Cable Type	Ø 1.13mm black
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	- 30 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C



2	射频线	1.13同轴线	黑色		1	
1	FPC	PI	黄色		1	
No.	Name	Material	Color	Treatment	Amount	Remark

★
Shen Zhen
深 圳 南 斗 星 科 技 有 限 公 司
SHEN ZHEN SOUTHSTAR CO., LTD

0~10	±0.2	○	Third Angle	Project	0P0118-13	Date	
10~18	±0.5	◎		Part Name	WiFi天线	Designed by	
18~30	±0.8	⊥		Part No.	NI2-1104-R0A	Checked by	MD
30~40	±1.0	∠		Material	N/A	RF	
40~	±2.0	Angle	±0.5°	DWG NO.	NI2-1104-R0A	Approved by	
Location	N/A			Unit	mm	Scale	1:1

Rev	1	2	3	4	5	6	7	8
A	New drawing							
Description								
Date								
Remark								



Test Equipment & Conditions

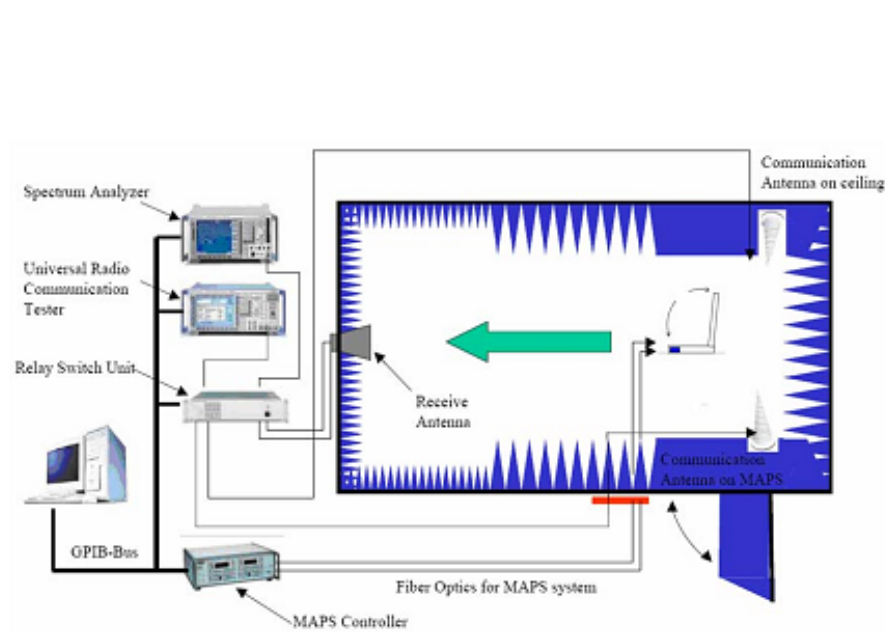
1. Network Analyzers :

Agilent 8753D 5071B

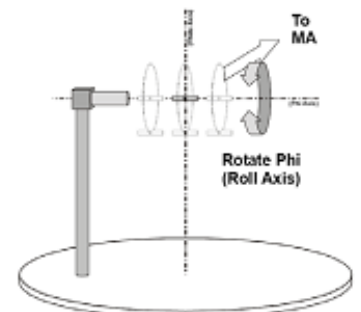
2. Communications Test Set:

Agilent E5515C

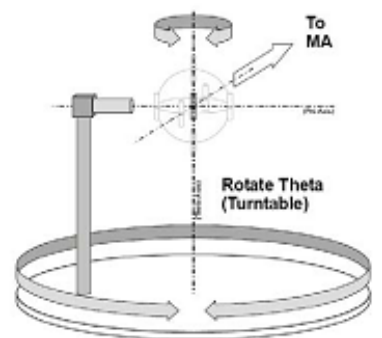
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



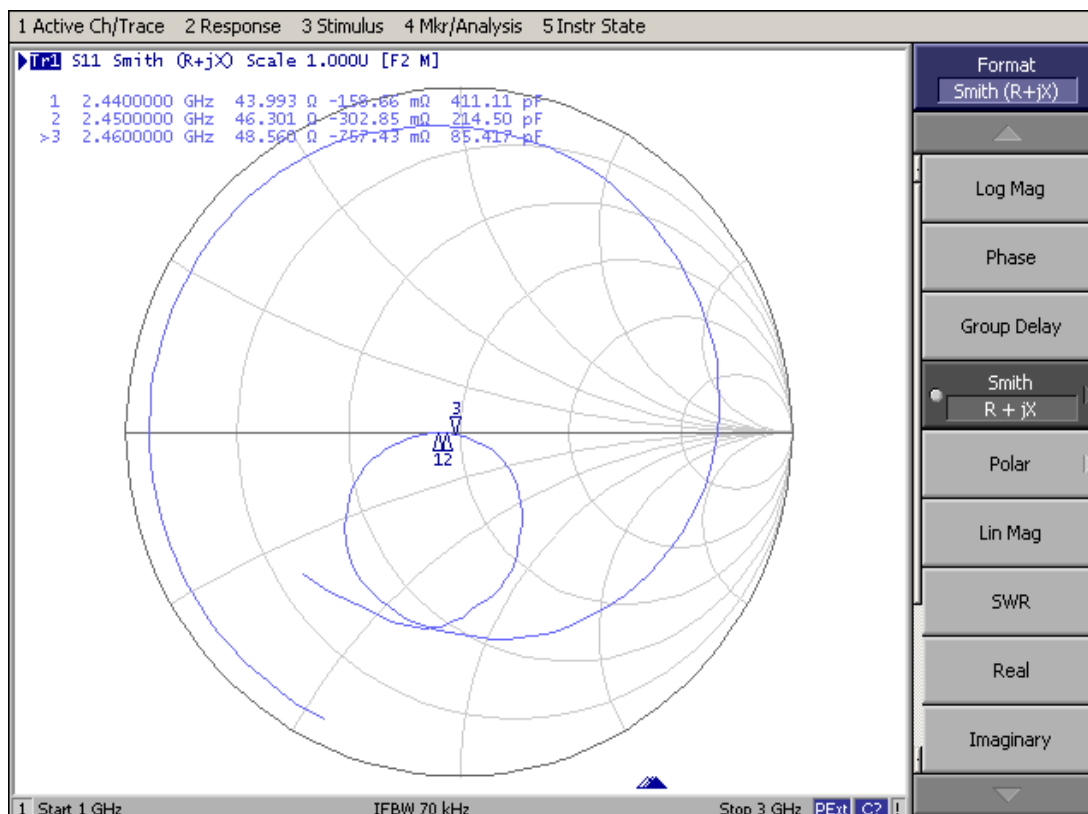
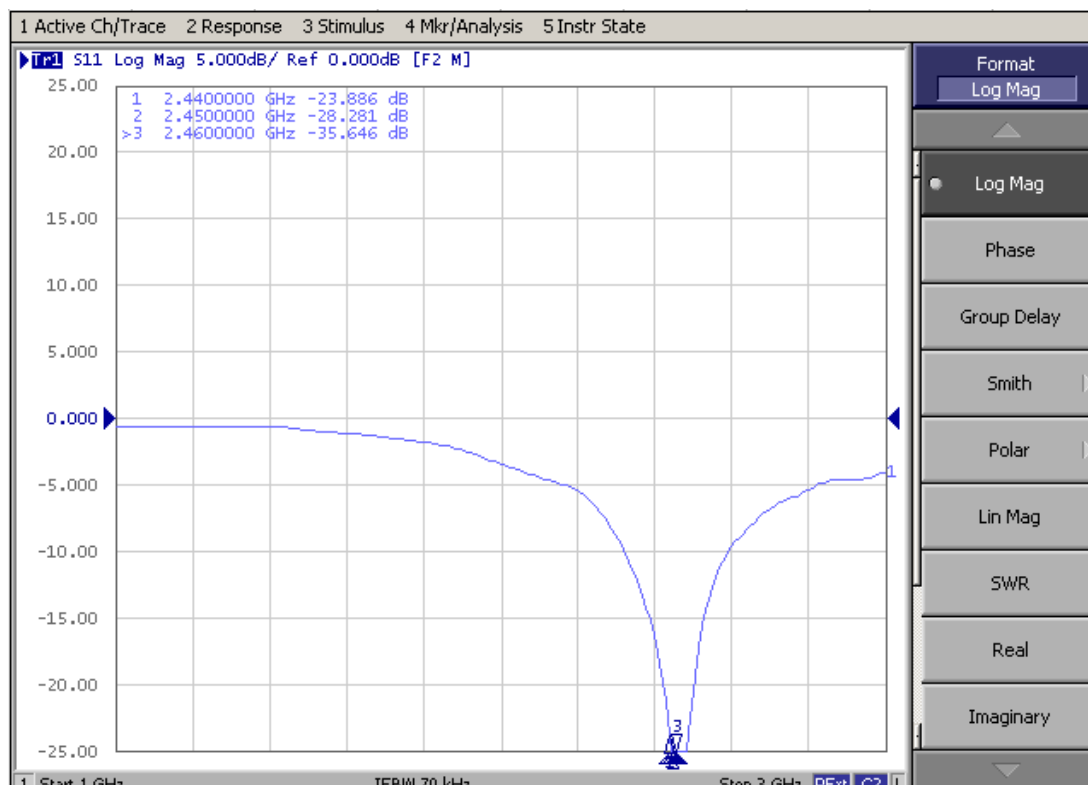
Phi axis test



Theta axis test

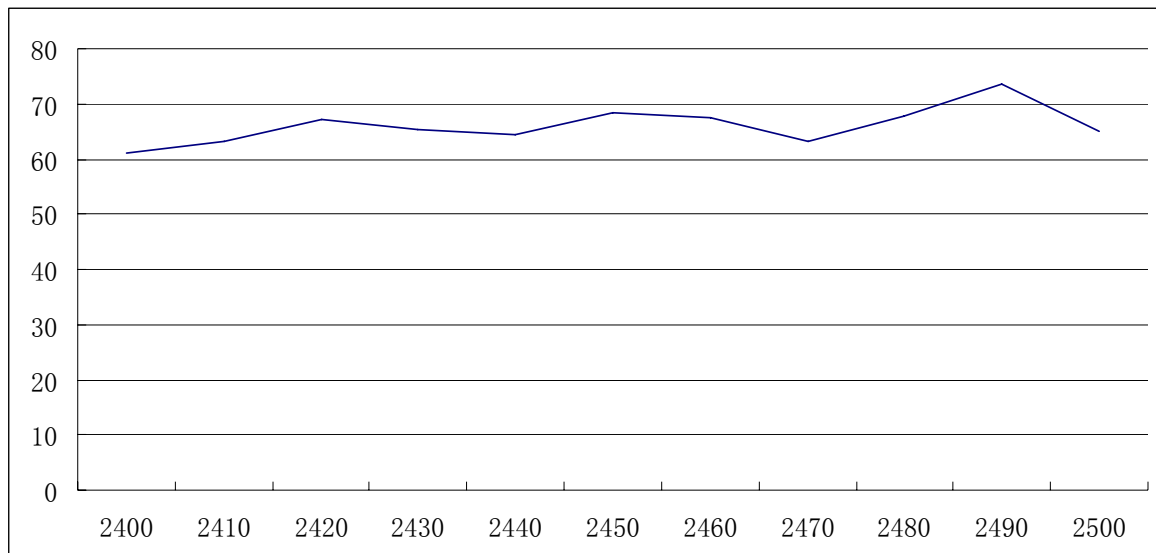


Antenna Impedance: S11 & Smith

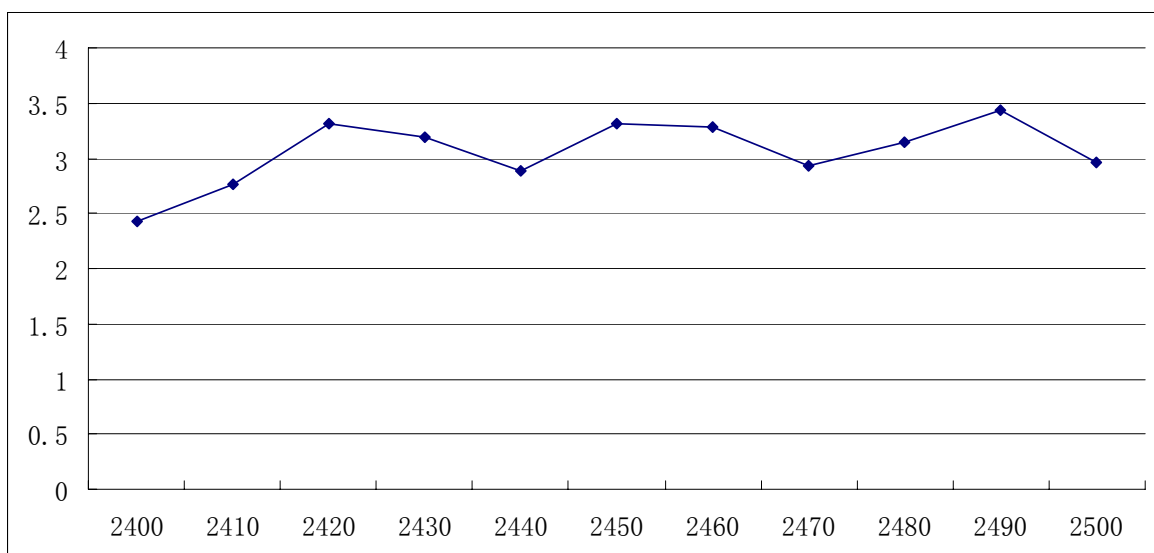




Total Efficiency:



GAIN:



Antenna Type:

