

## **PRODUCT SPECIFICATION**

Manufacturer: Hongtian Electronic Processing Factory

Manufacturer Address: No.24.25,industrial Avenue,Huai nan Village,Lianxia, Town,Chenghai District, Shantou City

### **1. PRODUCT TECHNICAL SPECIFICATION**

#### **A.Electrical Characteristics**

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain 0.17dBi

#### **B. Material & Mechanical Characteristics**

Material of Radiator Cu

Cable Type 1.0 19P transparent

Connector Type : NO

#### **C. Environmental**

Operation Temperature - 30°C ~ + 80°C

Storage Temperature - 30°C ~ + 85°C

### **2.PRODUCT PICTURE**



### **3.Test Equipment & Conditions**

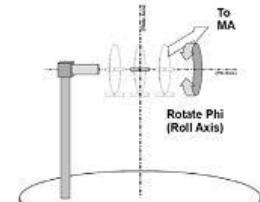
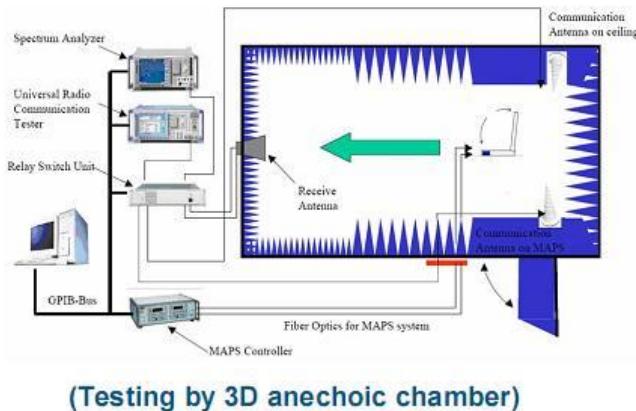
#### **1. Network Analyzers:**

Agilent 8753D 5071B

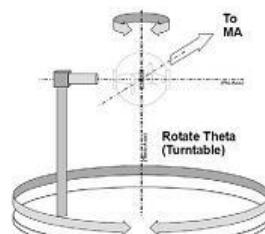
2. Communications Test Set:

Agilent E5515C

#### 4. 3D Chamber Test System Efficiency & Gain



Phi axis test

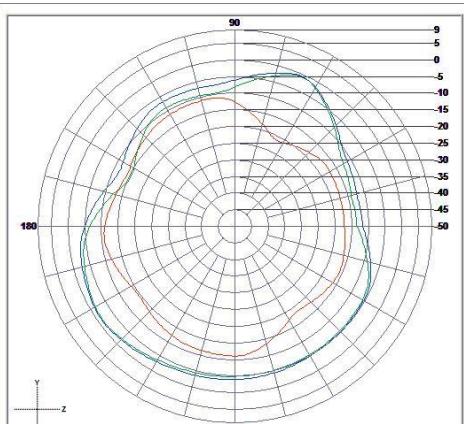
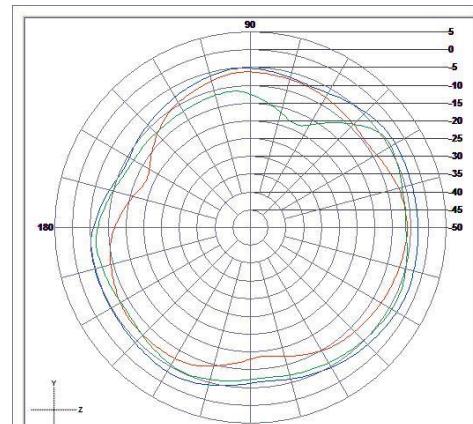


Theta axis test

#### 5. Efficiency & Gain

2.40	-2.17
2.440	0.12
2.48	0.17

#### 5. Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17

	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12

