

天线规格承认书

Acceptance of antenna specifications

制造商: 汕头市龙湖区科马电子加工场
Manufacturer: Shantou Longhu District Koma Electronic Processing
Factory

规格: 2.4G Antenna, total length 40MM, white
Specifications:

產品料號: 17 cores * 0.12 * 1.38 PVC
Part NO. :

地址: 汕头市龙湖区新津街道金泰街 22 号二楼
No. 22, Jintai Street, Xinjin Sub-district, Longhu District,
Shantou City, Second Floor

Address:

Illustration:



备注：2.4G天线规格为 12芯外径 1.2MM裸铜丝导线，白色，长度为40MM,线头剥皮 3.6MM上锡。

Note: The 2.4G antenna specification is a 12-core, 1.2mm outer diameter bare copper wire, white in color, with a length of 40mm, and the wire end stripped for 3.6mm with soldering applied.

Product Specification

A. Electrical Characteristics

Frequency

2400 MHz~2500 MHz

V S W R <3.0

Efficiency >20 %

Impedance 50 Ohm

Gain 0.59 DBi

Polarization mode: linear polarization

B. Material & Mechanical

Characteristics

Material of Radiator Cu

Cable Type 1.4 **white**

Connector Type : N0 Dimension

C. Environmental

Operation Temperature - 30° C ~ + 80° C

Storage Temperature - 30° C ~ + 85° C

Test Equipment & Conditions

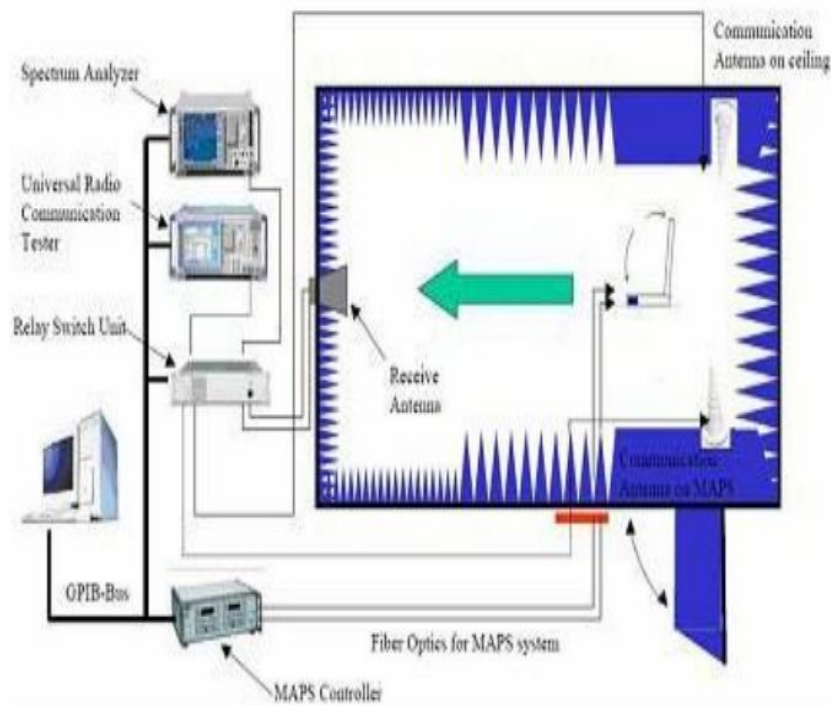
1. Network Analyzers :

Agilent 8753D 5071B

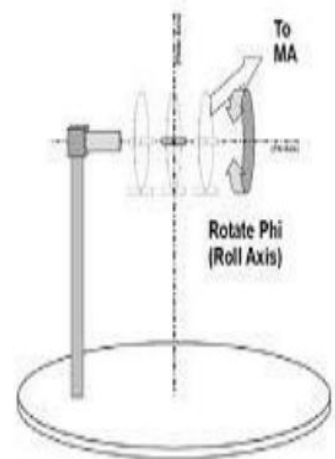
2. Communications Test Set:

Agilent E5515C

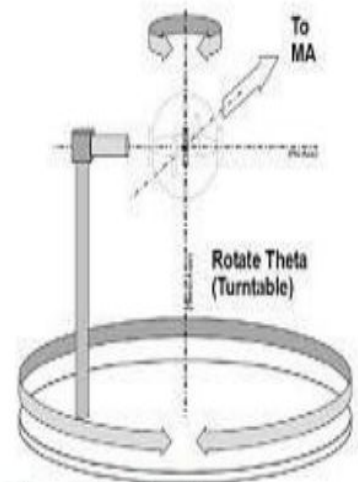
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



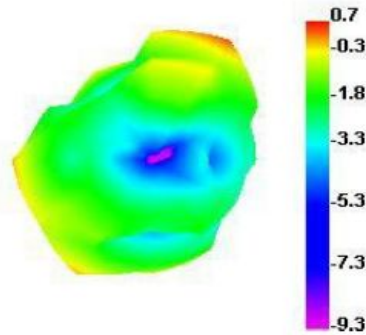
Theta axis test

Effiency & Gain

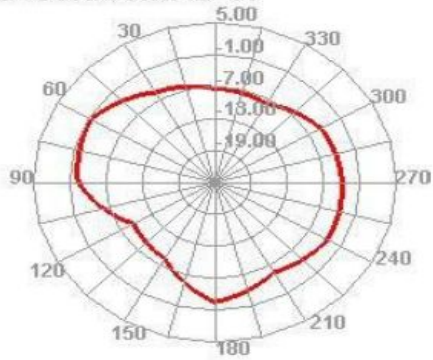
Freq (MHz)	Effi (%)	Gain(dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2450	25.73	0.46

Radiation Pattern

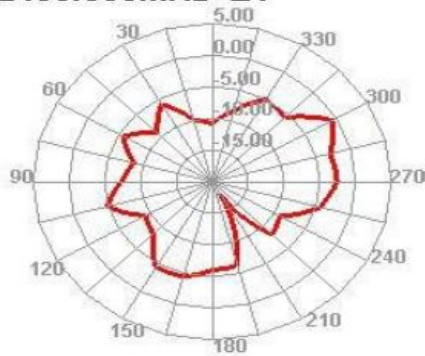
2400.000MHz



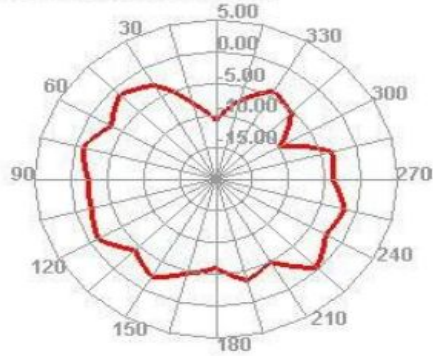
2400.000MHz H



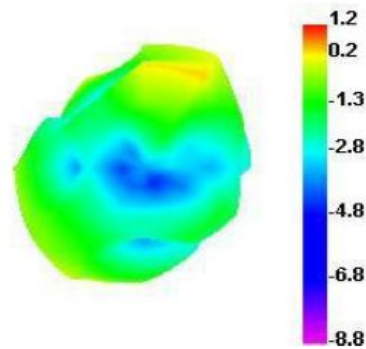
2400.000MHz E1



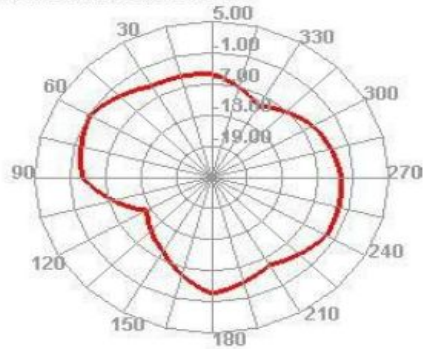
2400.000MHz E2



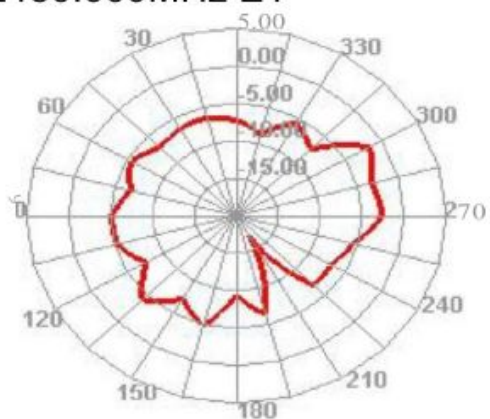
2450.000MHz



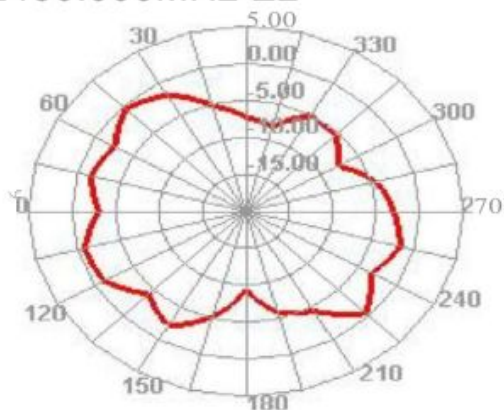
2450.000MHz H



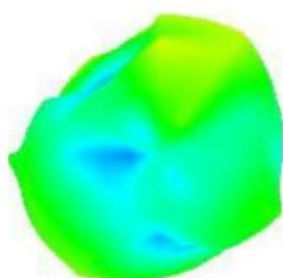
2450.000MHz E1



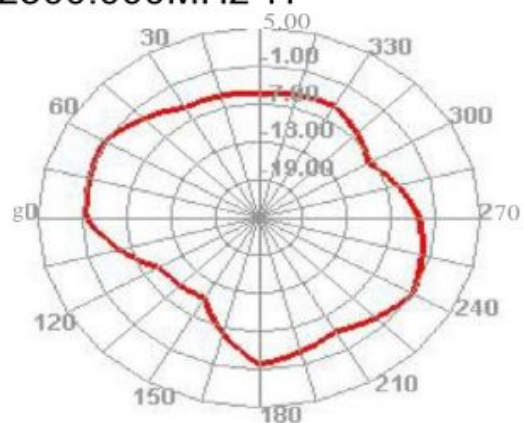
2450.000MHz E2



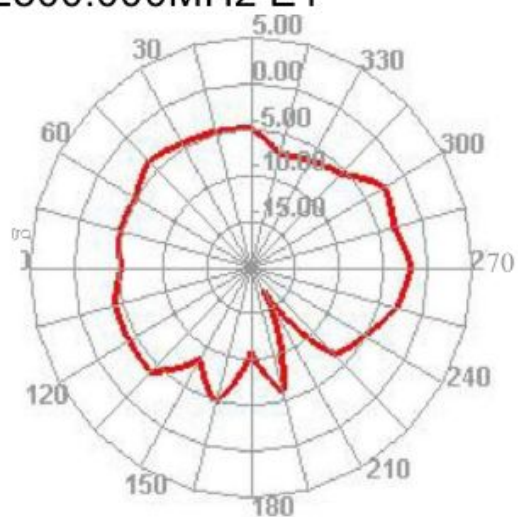
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

