

创鑫线材天線規格承認書

Antenna Specification for Approval

客戶名稱 :
Customer Name: 合盛电子厂Hesheng Electronics Factory

客戶名稱 :
Product Name:

客戶型號/ 廠商 : 2.4G 天線 全長40白色2.4G antenna length
Product Name: 40 white

產品料號 :
Part NO.: CI-GS01 / CinEma 17芯* 0.1 * 1.6

製表 :
Write By : 陈玉

日期
Issued Date: 2024-06-09

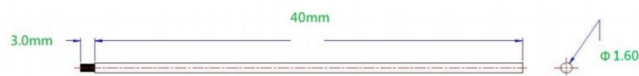
地址 廣東省汕頭龍湖區辛厝寮金泰居委新诺樓二樓
Second floor, Xinnuo Building, Xincuo Liao Jintai Residential Committee,
Longhu District, Shantou, Guangdong Province
Adress :

客戶customer

研發 R&D Dept	採購 Business Dept	承認 Approved By

创鑫线材supplie

研發 R&D Dept	工程 Engineer Dept	審核 Approval



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >20%

Impedance 50 Ohm

Gain 0.59DBi

Polarization mode: linear polarization

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.4 white

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

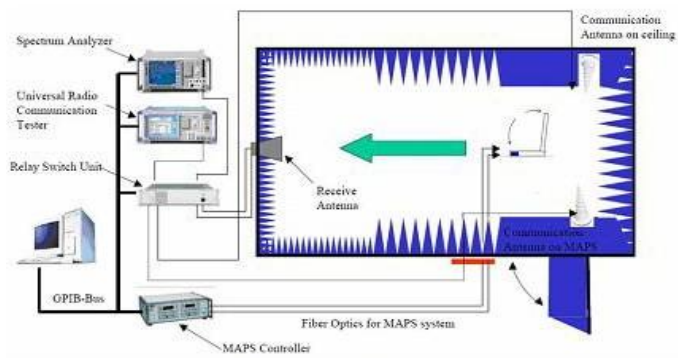
1. Network Analyzers :

Agilent 8753D 5071B

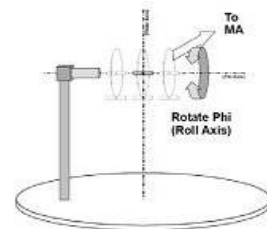
2. Communications TestSet:

Agilent E5515C

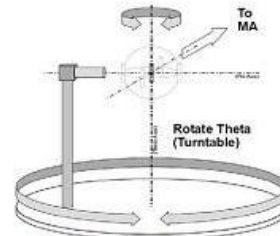
3. 3D Chamber TestSystem



(Testing by 3D anechoic chamber)



Phi axis test



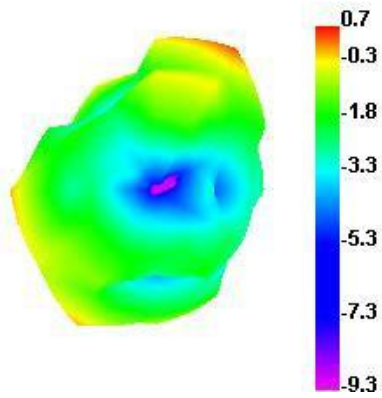
Theta axis test

Effiency &Gain

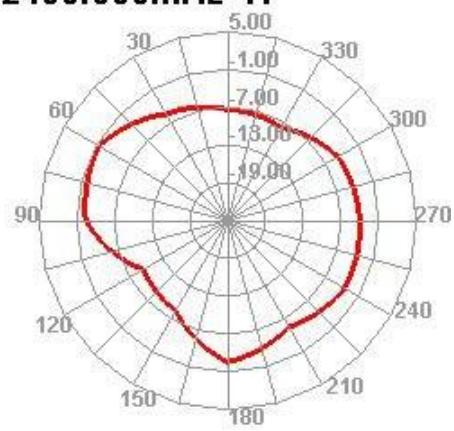
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2500	25.73	0.46

Radiation Pattern

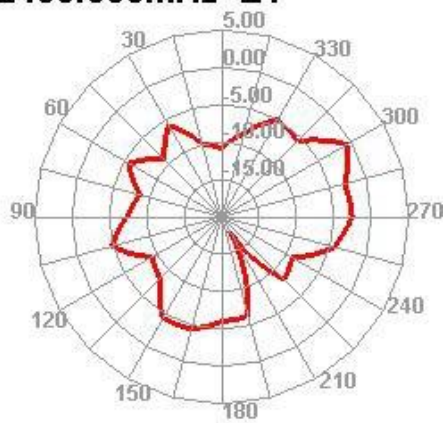
2400.000MHz



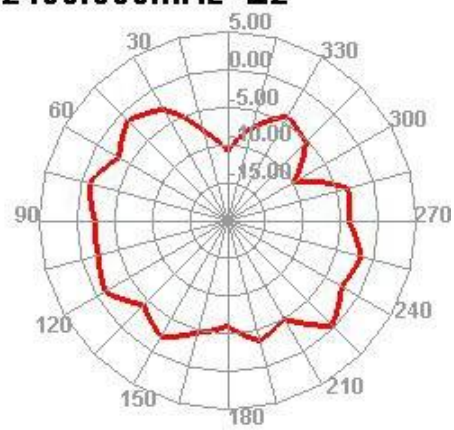
2400.000MHz H



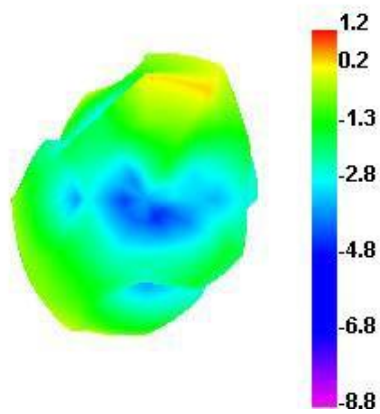
2400.000MHz E1



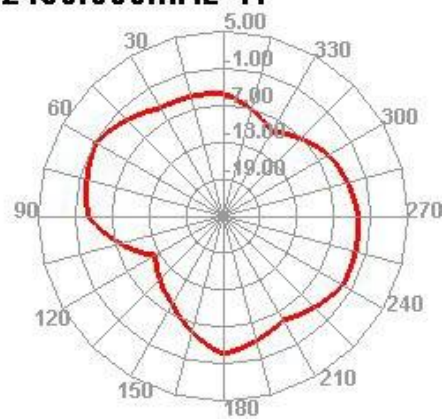
2400.000MHz E2



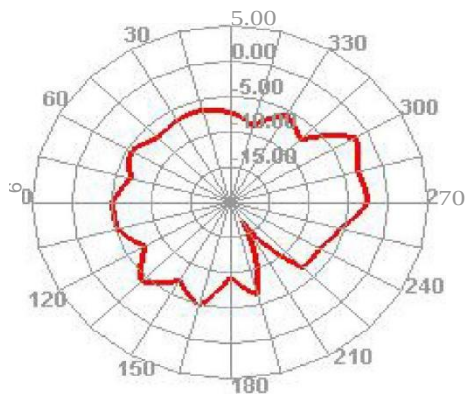
2450.000MHz



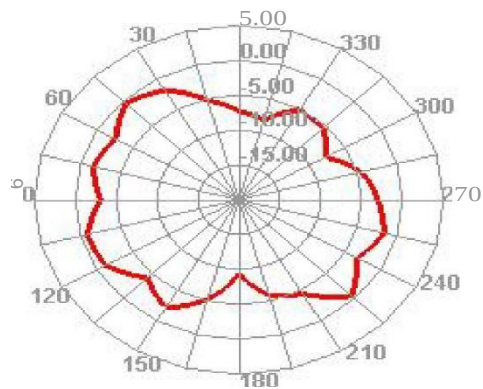
2450.000MHz H



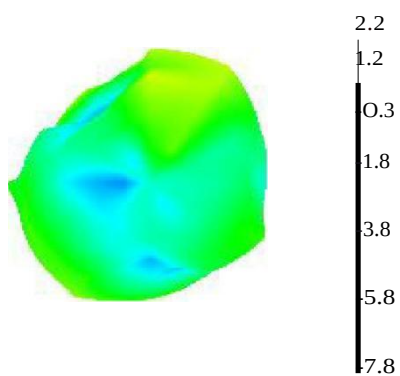
2450.000MHz E1



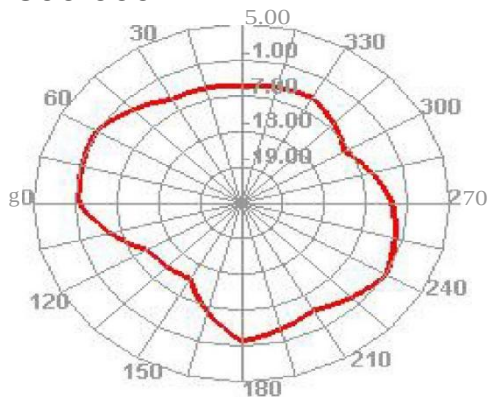
2450.000MHz E2



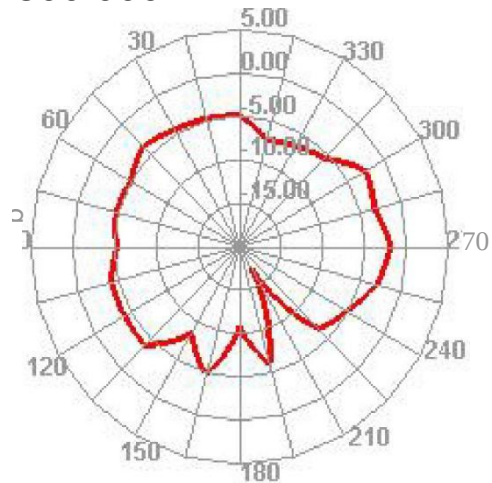
2500.000MHz



2500.000MHzH



2500.000MHz E1



2500.000MHz E2

