

X-mind (Shenzhen) Technology Co., Ltd.
Room B3004, Star River WORLD, No.1 Yabao Road, Nankeng Community, Bantian
Street, Longgang District, Shenzhen 518129, China

Antenna Specification for Approval

Customer Name: X-mind (Shenzhen) Technology Co., Ltd.

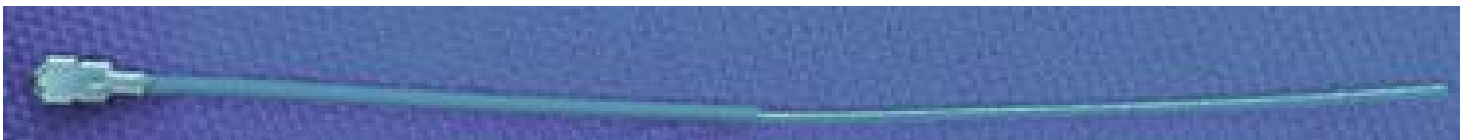
Product Name: 2.4G antenna length 45mm White

Product Name:

Part NO.: C10-45-2.5

Write By: Zoumin

Issued Date: 2016-3-20



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain: 1. 0dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P 白色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 ℃ ~ + 80 ℃

Storage Temperature - 30 ℃ ~ + 85 ℃

Test Equipment & Conditions

1. Network Analyzers :

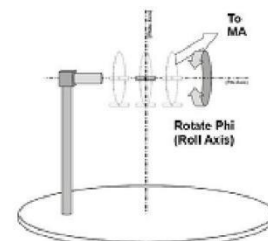
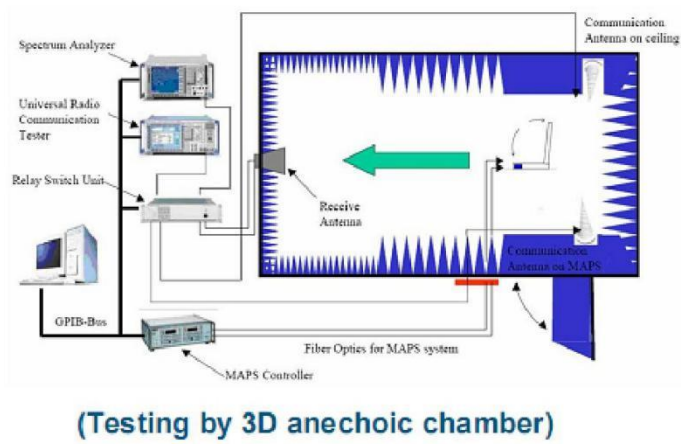
Agilent 8753D 5071B

2. Communications Test Set:

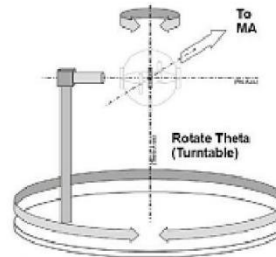
Agilent E5515C

3. 3D Chamber Test System

Efficiency & Gain



Phi axis test



Theta axis test

Efficiency & Gain

2.400

0.89

2.440

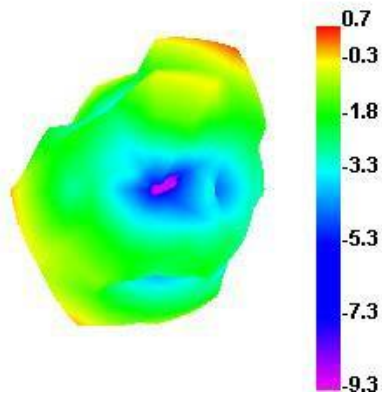
1.00

2.480

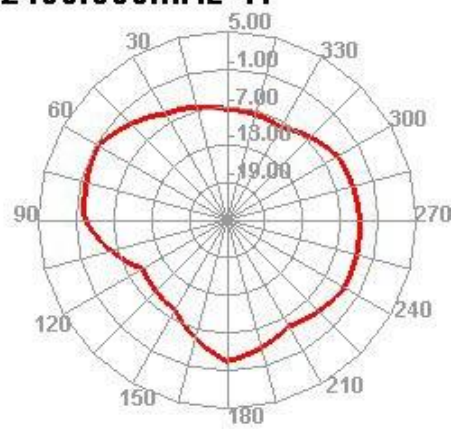
0.73

Radiation Pattern

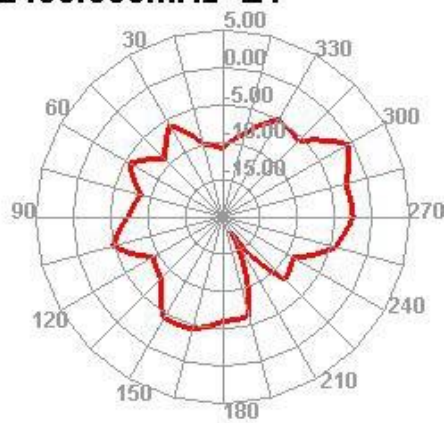
2400.000MHz



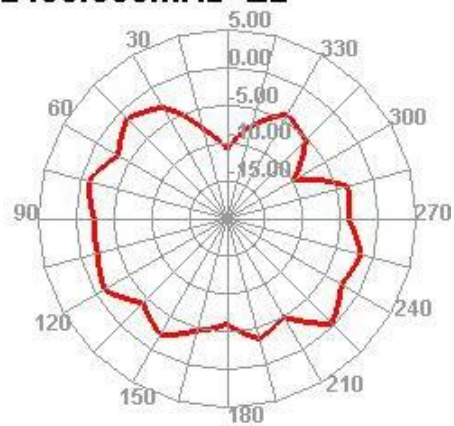
2400.000MHz H



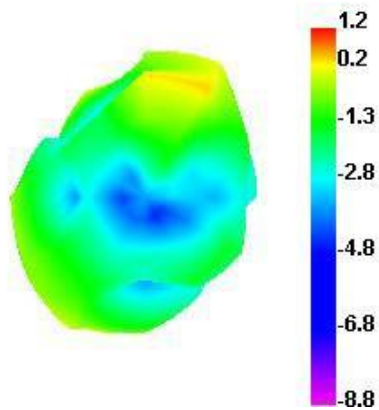
2400.000MHz E1



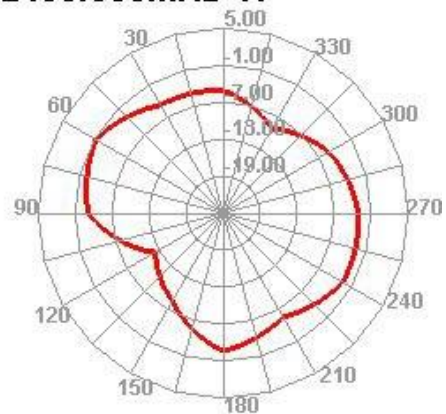
2400.000MHz E2



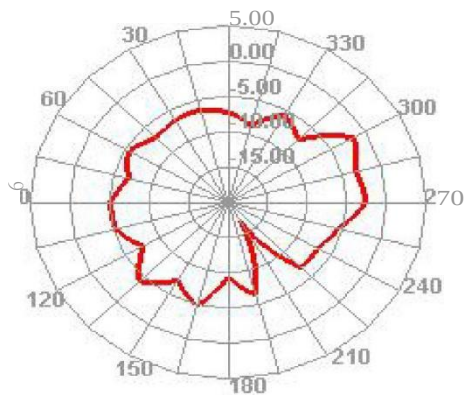
2450.000MHz



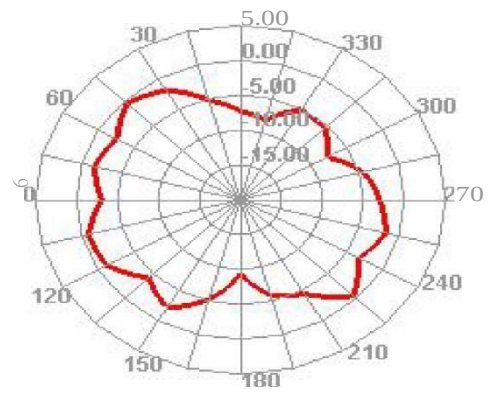
2450.000MHz H



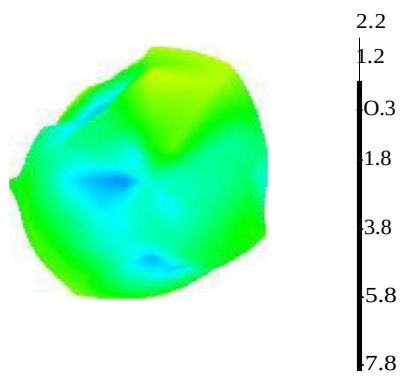
2450.000MHz E1



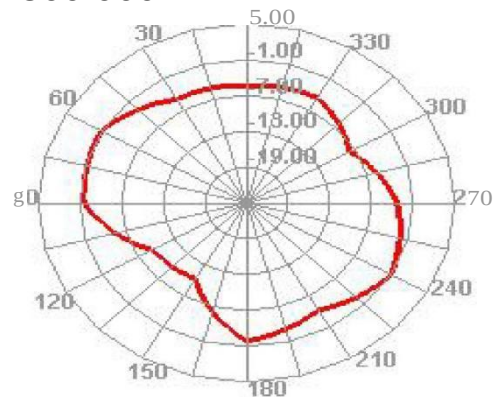
2450.000MHz E2



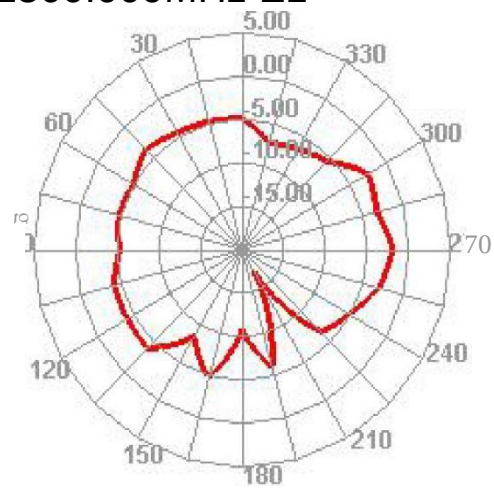
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

