

Shenzhen AIHUI Technology Co., LTD

Antenna Specification for Approval

客户名称

Customer Name: _____

产品名称: _

Product Name: _____ 2.4G antenna length 35mm white

客户型号:

Product Name: _____

产品料号:

Part NO.: _____ C10-35-2.5

制 表:

Write By: _____ 周 敏

日 期:

Issued Date: _____ 2019-3-20

correspondent:

工程R&D Dept	采购Business Dept	承认 Approved By

Shenzhen AIHUI

研发R&D Dept	工程 Engineer Dept	审核 Approval

Product Specification

A. Electrical Characteristics

Frequency 2405MHz-2475MHz

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 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 :

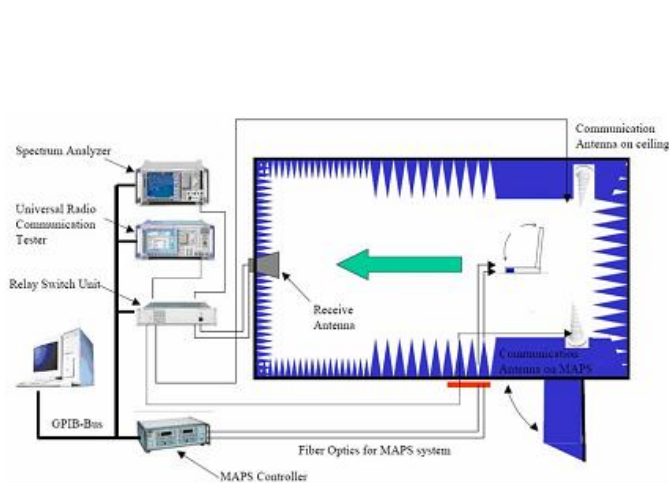
Agilent 8753D 5071B

2. Communications Test Set:

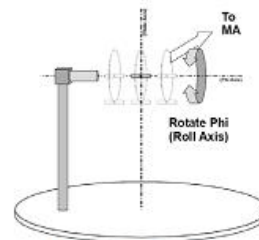
Agilent E5515C

3. 3D Chamber Test System

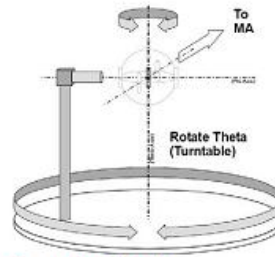
Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

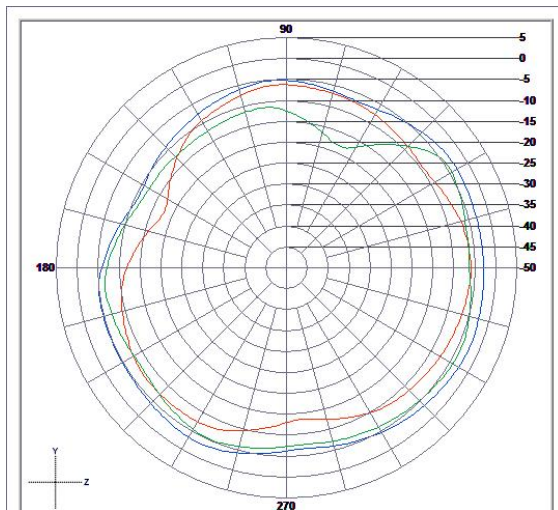
Efficiency & Gain

2.40 -2.17

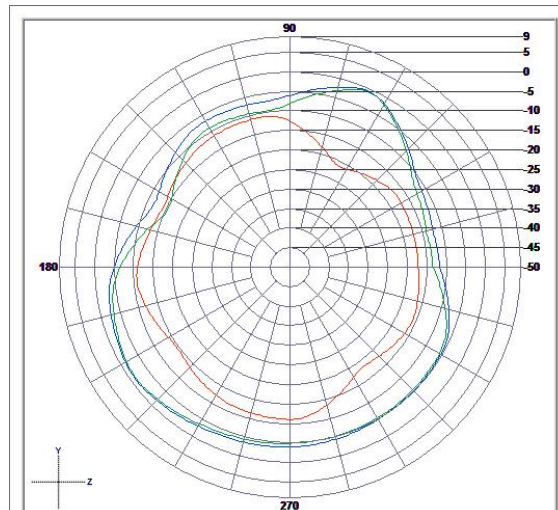
2.440 0.12

2.48 0.17

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

