

Shantou Hongzhan Electric Industry Co., LTD

Antenna Specification

Customer Name: Hongzhan

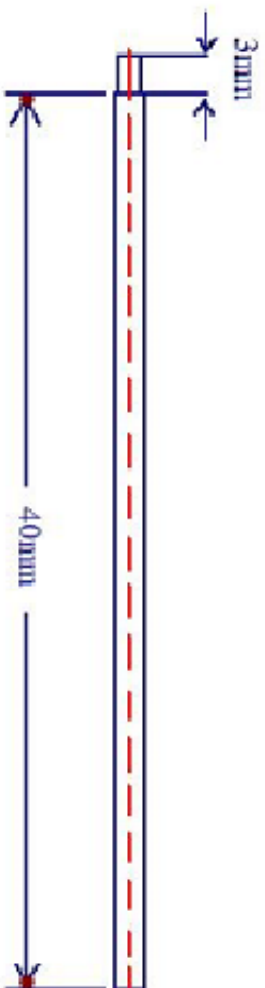
Product Name: 2.4G Antenna Length 40mm White

Antenna Type: Wire Antenna

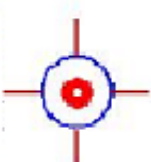
Part NO. : 17-0.1-1.6

Write By: Wang

Issued Date: 2023.02.18



Wire:1.6mm white



17-0.1-1.6

2.4G Antenna

Shantou Hongzhan Electric Industry Co., LTD

PART TITLE: 2.4G Antenna			MATERIAL: 1.6mm white		
PART NO: 17-0.1-1.6		DATE: 2022.09.16		UNTT IN mm SCALE 5:1 VER 01	

Product 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 black

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

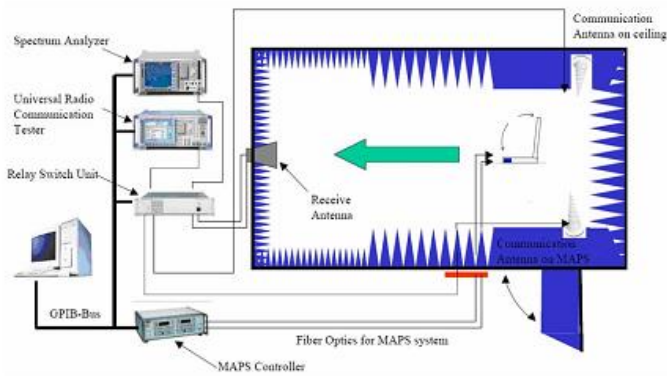
Agilent 8753D 5071B

2. Communications Test Set:

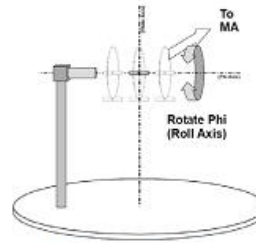
Agilent E5515C

3. 3D Chamber Test System

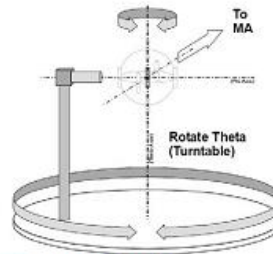
Efficiency &Gain



(Testing by 3D anechoic chamber)



Phi axis test

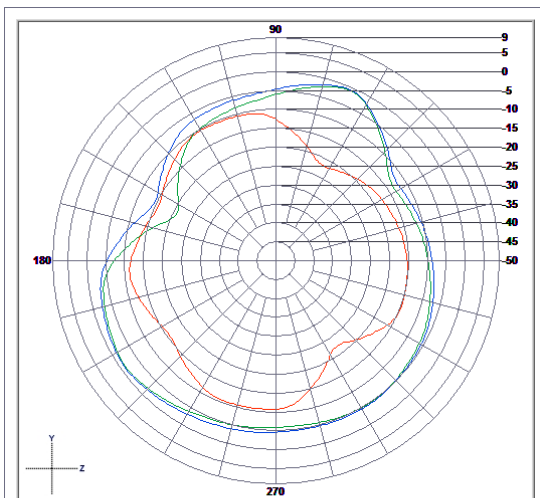


Theta axis test

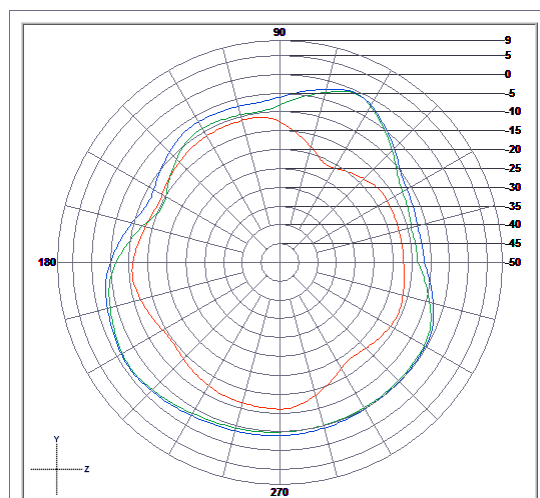
Efficiency & Gain

2.40	-0.01
2.440	0.12
2.48	0.17

Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-13.14	-5.08	-4.45
Peak Gain	-10.08	-0.03	-0.01



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

