

Antenna specification acknowledgement

Antenna Specification for Approval

Manufacturer name: Haixun Electronics

Manufacturer address: Lijing Jiayuan, Waihuan West Road,
Chenghua Street, Chenghai District, Shantou City,
Guangdong Province.

Product name:

Product Name: 2.4G antenna length 30mm white

Customer model:

Product Name: HN-210T

Part number:

Part NO. : 17-0.1-1.6

tabulation:

Write By:

date:

Issued Date: 2023.07.10

Guest household:

ENGINEERING R&D Dept	Purchase Business Dept	acknowledge Approved By

Hongzhan electric industry

Research and development R&D Dept	ENGINEERING Engineer Dept	examine Approval

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >50%

Impedance 50 Ohm

Polarization Line

Gain 0.17dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13

Connector Type : NO

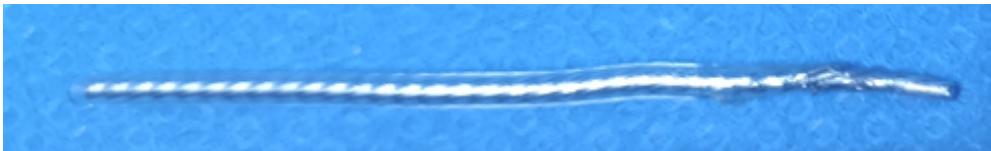
Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

antenna size : 30mm



Test Equipment & Conditions

1. Network Analyzers :

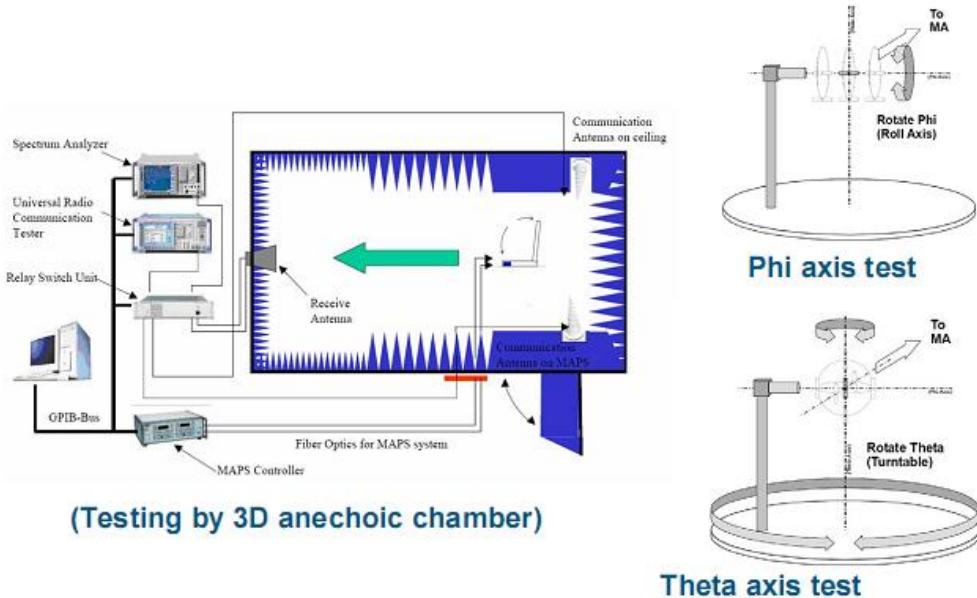
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

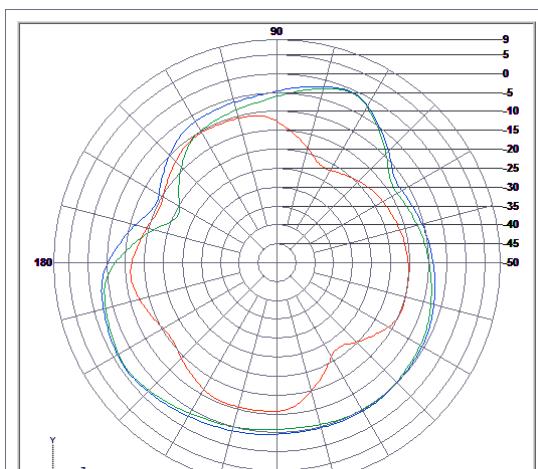
Efficiency & Gain



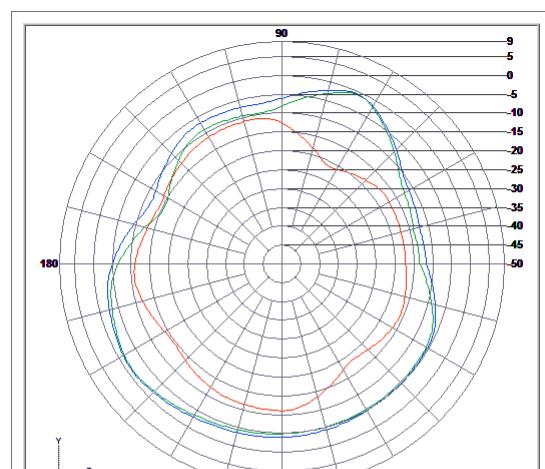
Efficiency & Gain

2.40	-0.01
2.440	0.12
2.48	0.17

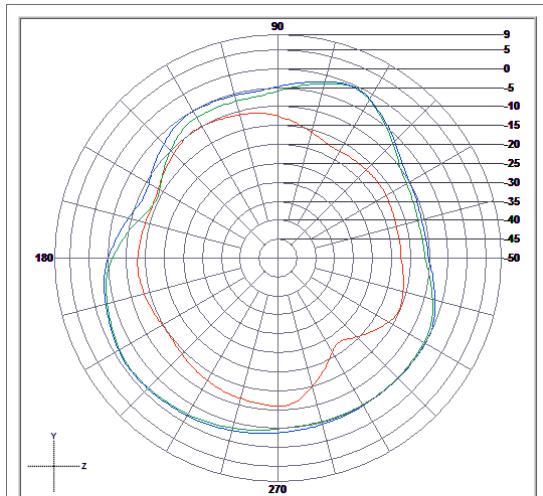
Radiation Pattern:



	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



	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17

