

Antenna Specification for Approval

Customer Name: Shenzhen Aoji Health Technology Co., LTD

Product Name: 2.4G antenna full length 32 red

Product Name: EWR-10

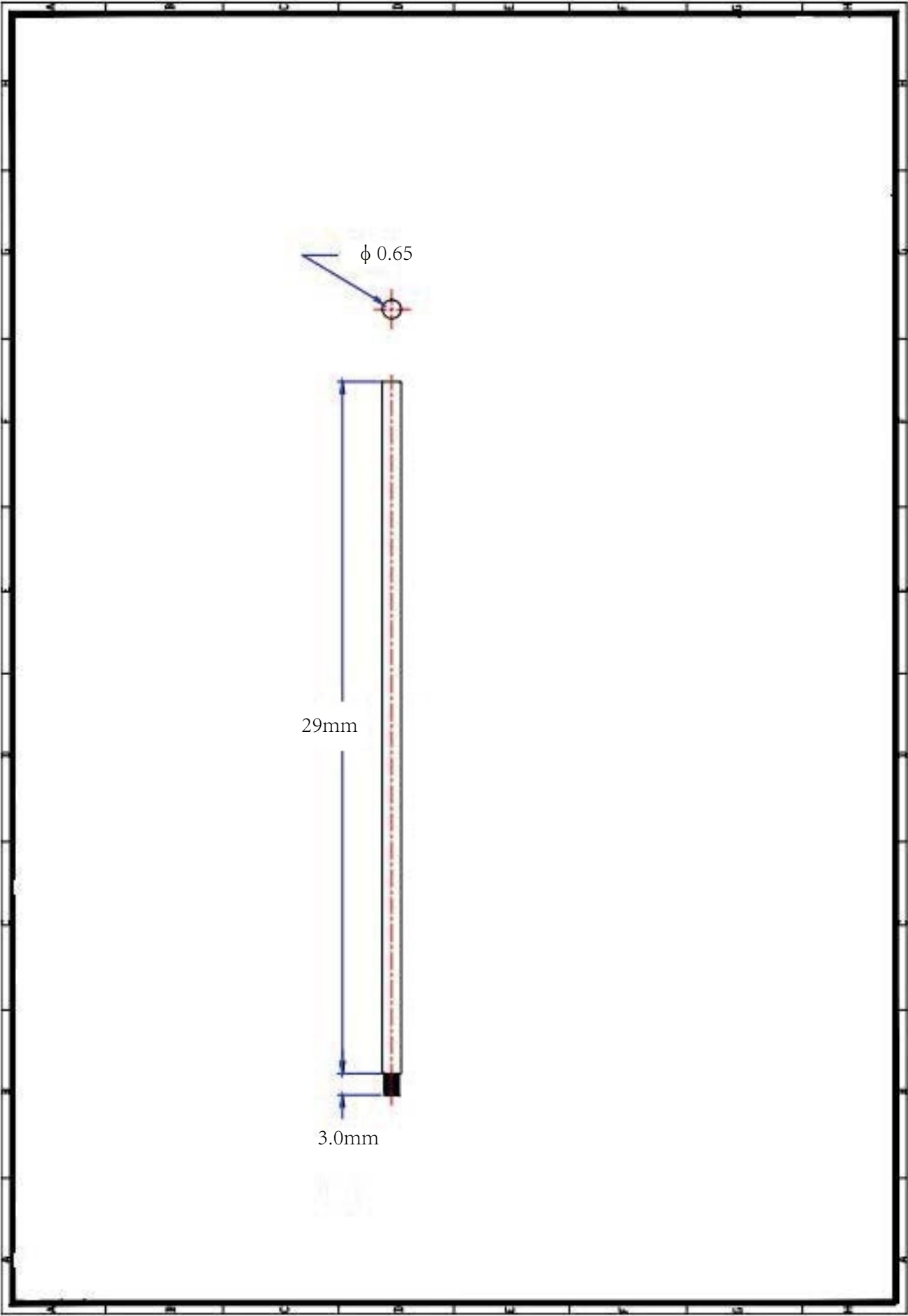
Part NO. : 1*0.2*0.65PVC

Write By: Min Zhou

Issued Date: 2024-11-6

R&D Dept	Business Dept	Approved By

R&D Dept	Engineer Dept	Approval



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <1.0

Efficiency >20%

Impedance 50 Ohm

Polarization Line

Gain 0.17dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.4

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

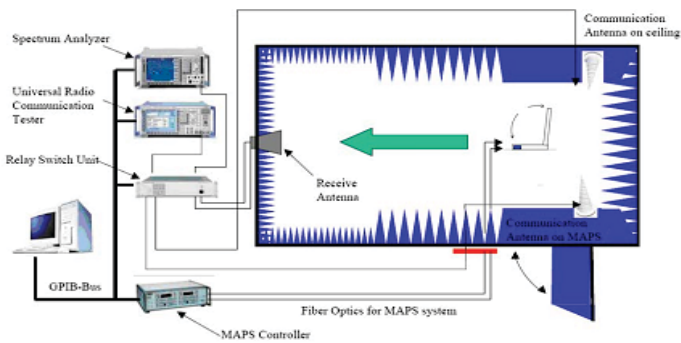
1. Network Analyzers :

Agilent 8753D 5071B

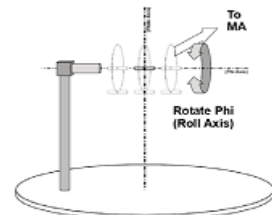
2. Communications Test Set:

Agilent E5515C

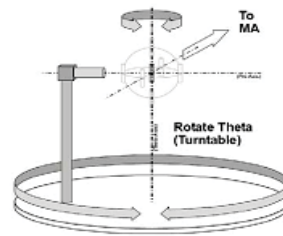
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

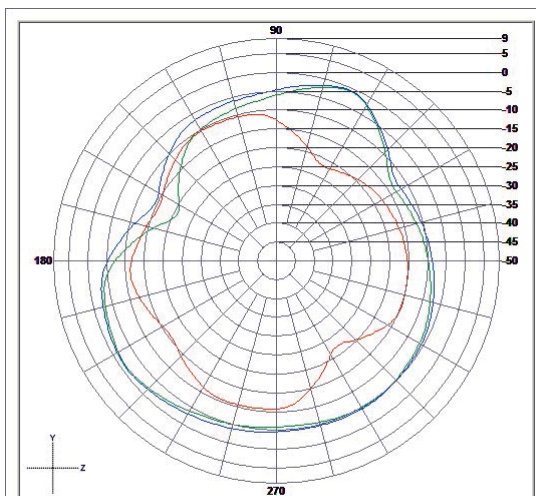


Theta axis test

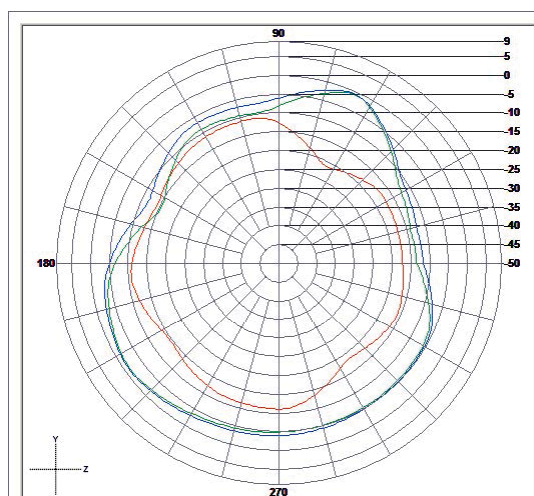
Efficiency & Gain

2.40	-0.01
2.440	0.12
2.48	0.17

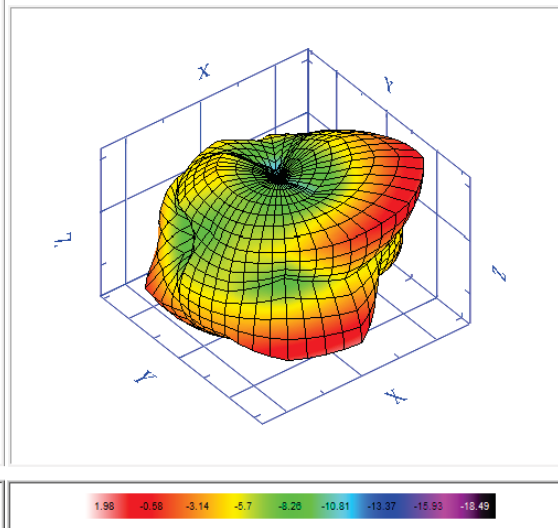
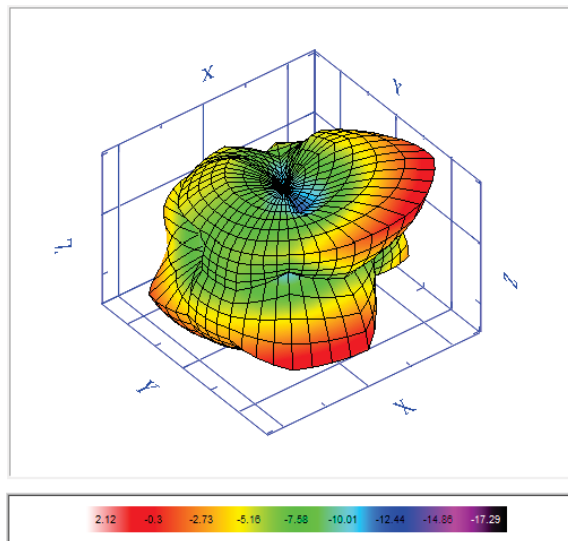
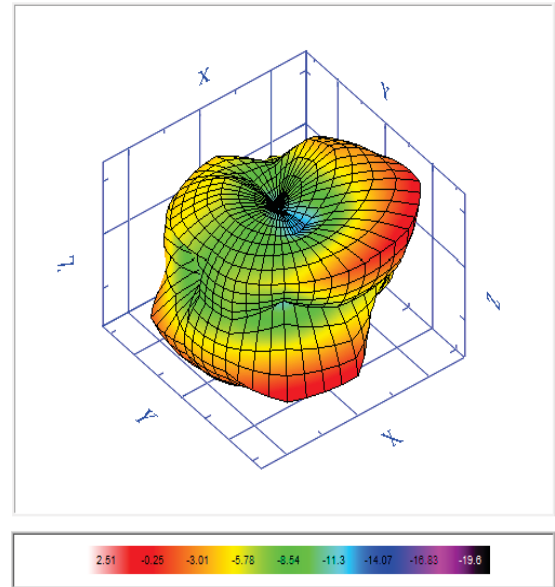
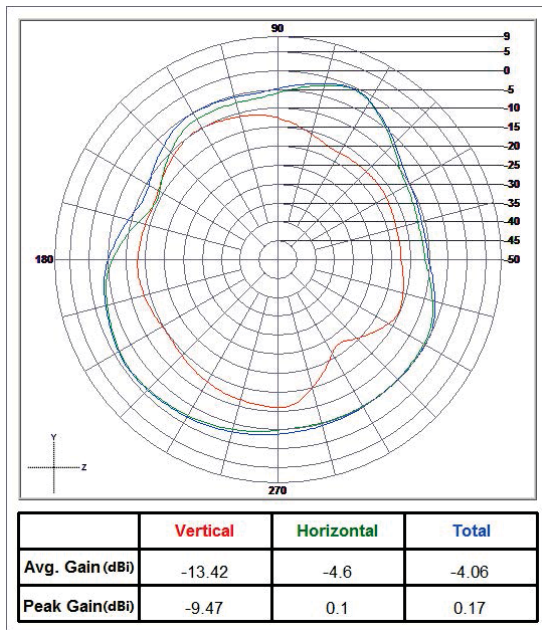
Radiation Pattern:



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



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



Manufacture: Shenzhen Dasheng Electronic Wire Co., Ltd.
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