

Dongzhen Electronics Co. , Ltd.

ADD: No. D206, 2nd Floor, Fanglilai Technology Park, Jiutou Village, Lixin Community, Dongcheng Street,
Dongguan City

Antenna specification recognition letter

Antenna Specification for Approval

Customer Name: Shantou Xingguang Electronics Co., Ltd.

Product Name: 2.4G antenna Full length 35 white

Product Address: No. 4, Kunmei Park Lane, Chenghai District,
Shantou City, Guangdong Province

Part NO.: 19 core *0.12*1.4PVC

Write By: zhou min

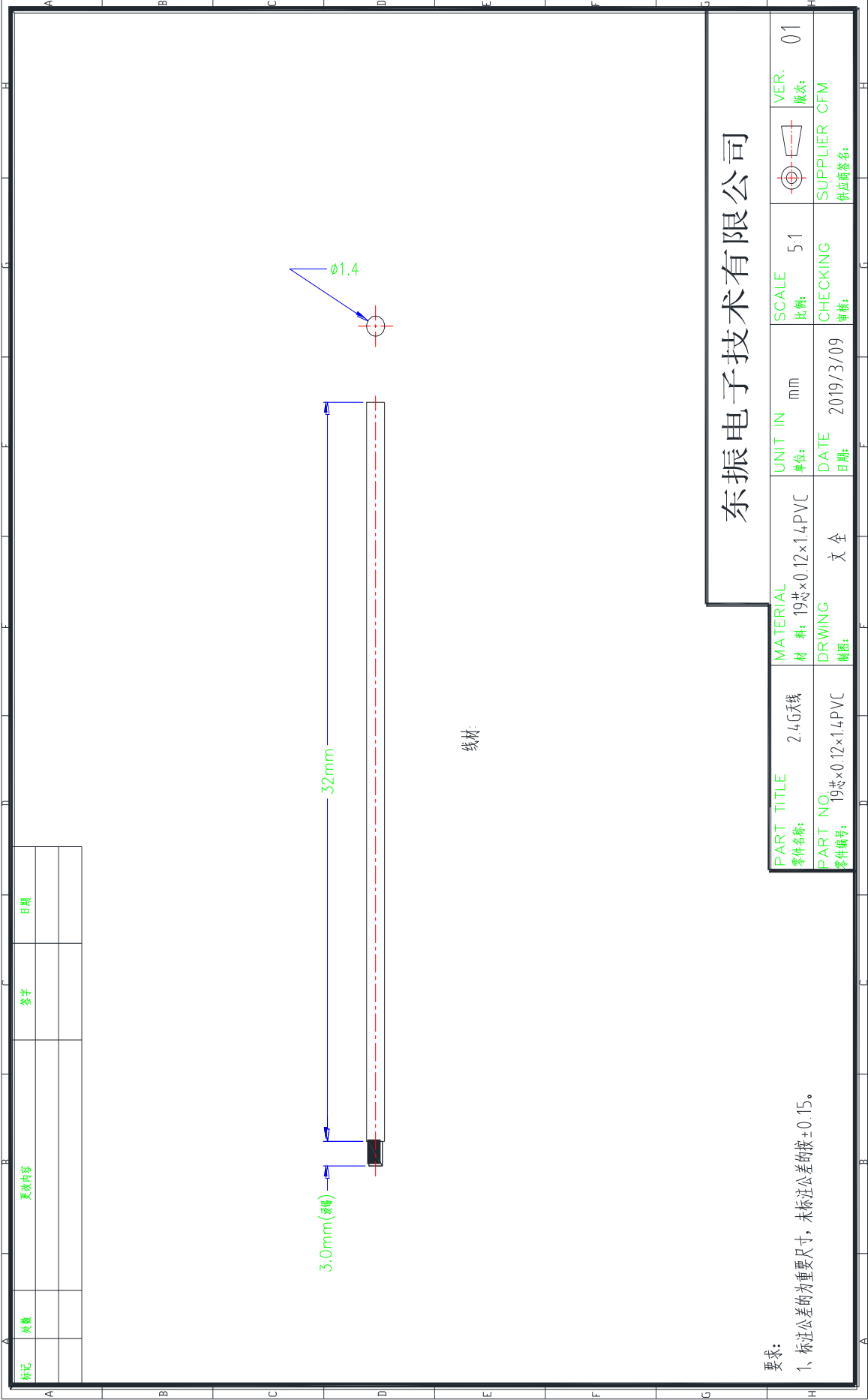
Issued Date: 2024-10-20

client:

R&D Dept	Business Dept	Approved By

Dongzhen Electronics

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 白色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

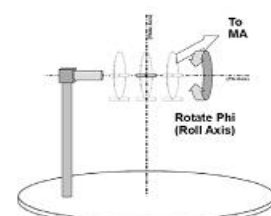
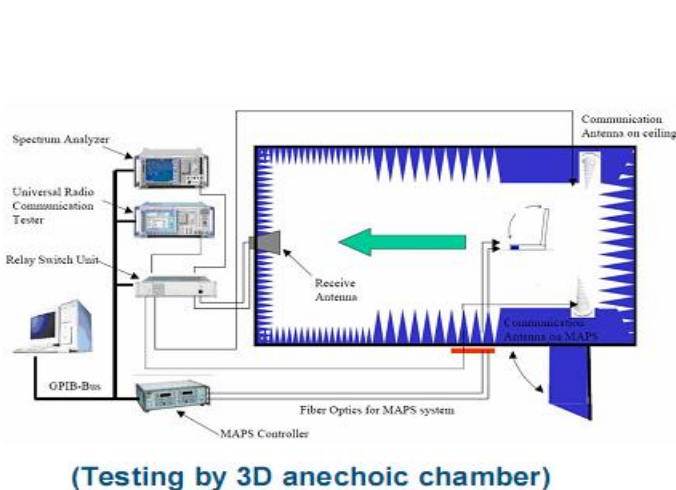
1. Network Analyzers :

Agilent 8753D 5071B

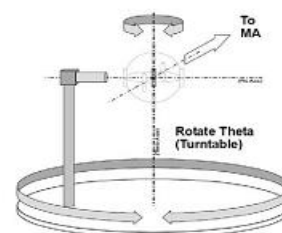
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test

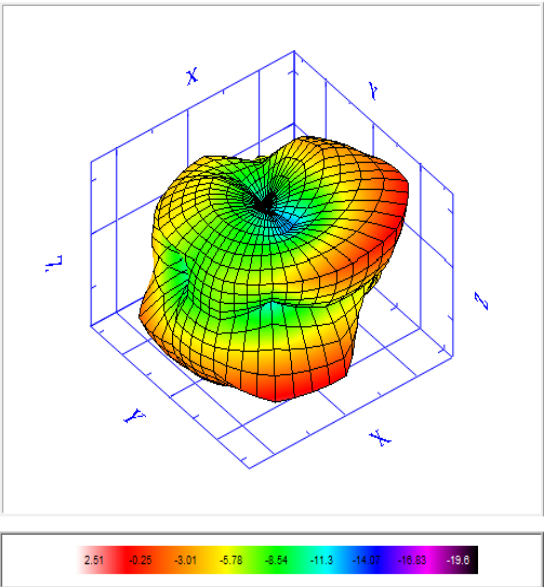
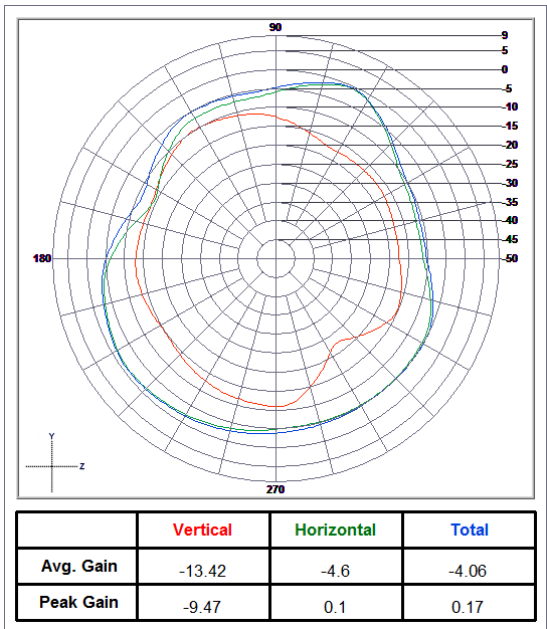
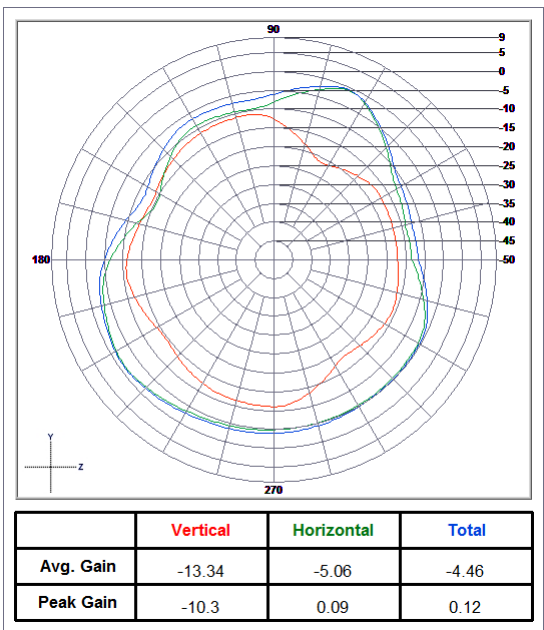
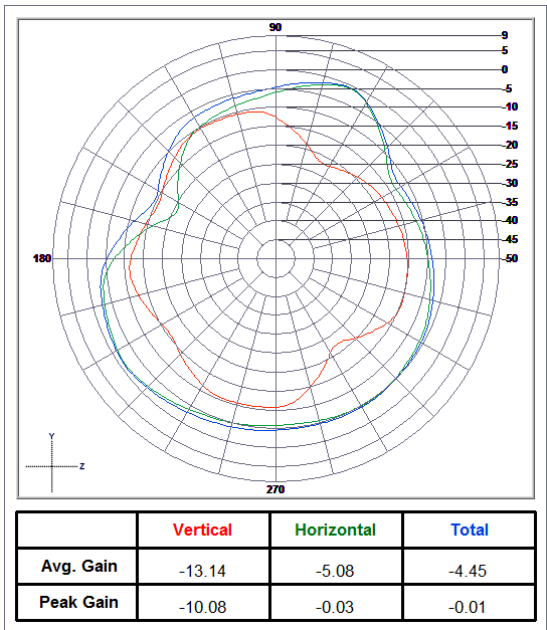


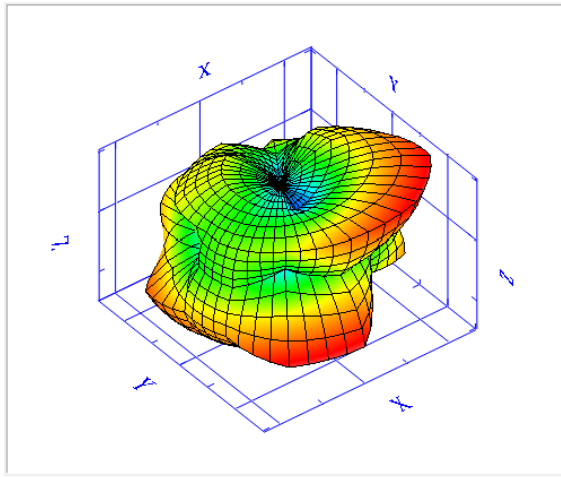
Theta axis test

Effiency &Gain

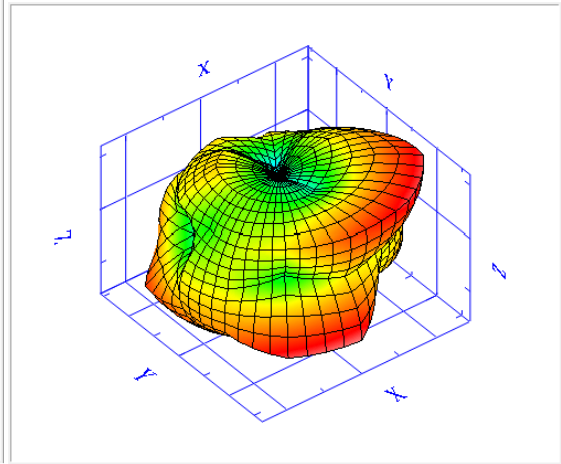
2.40 -0.01(dBi)
2.440 0.12(dBi)
2.48 0.17(dBi)

Radiation Pattern:





2.12 -0.3 -2.73 -6.16 -7.56 -10.01 -12.44 -14.86 -17.29



1.98 -0.58 -3.14 -5.7 -8.26 -10.81 -13.37 -15.93 -18.49