

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

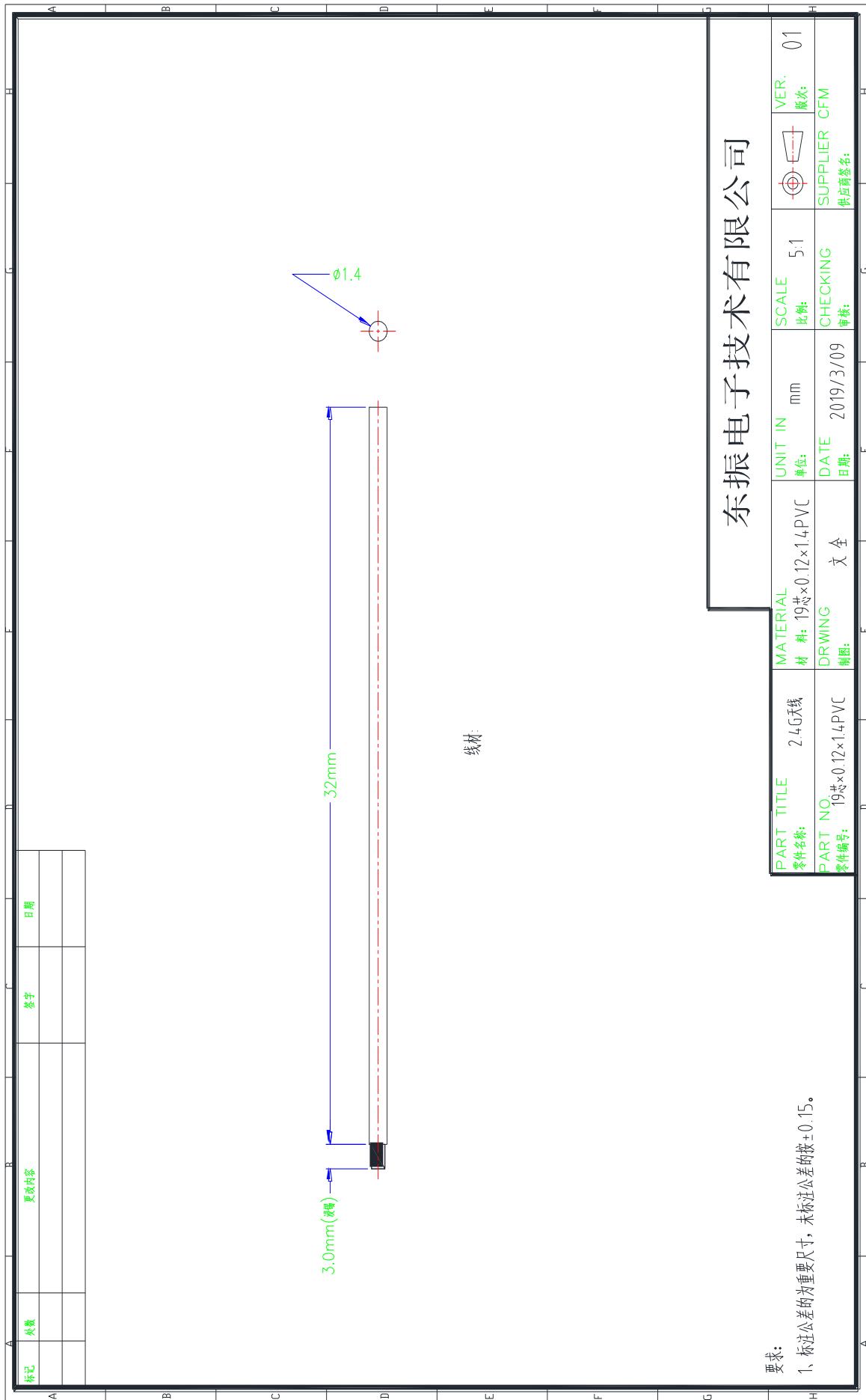
Issued Date: 2024-10-20

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

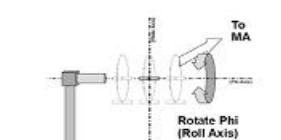
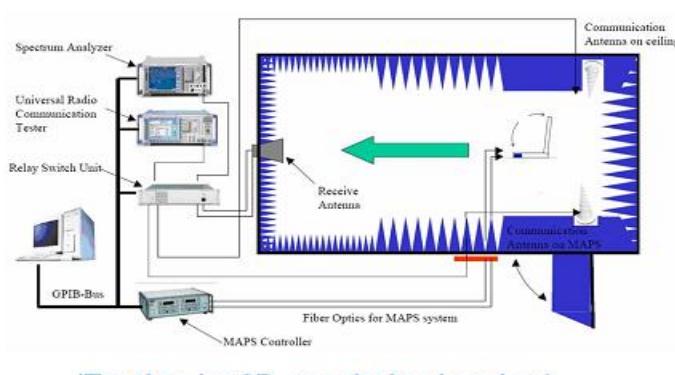
1. Network Analyzers :

Agilent 8753D 5071B

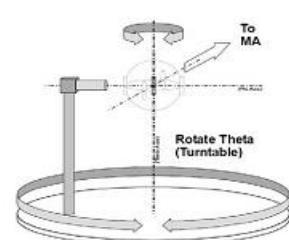
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test



Theta axis test

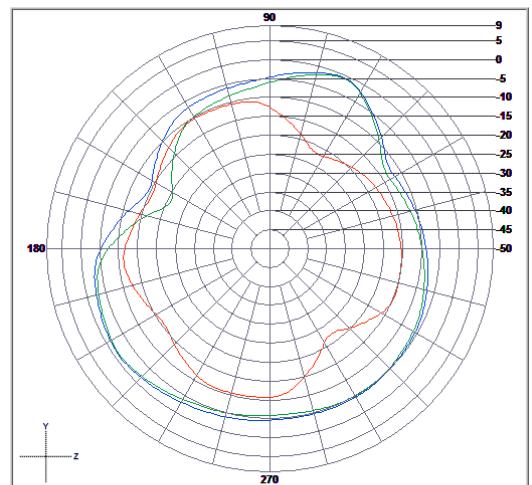
Efficiency & Gain

2.40 -0.01(dBi)

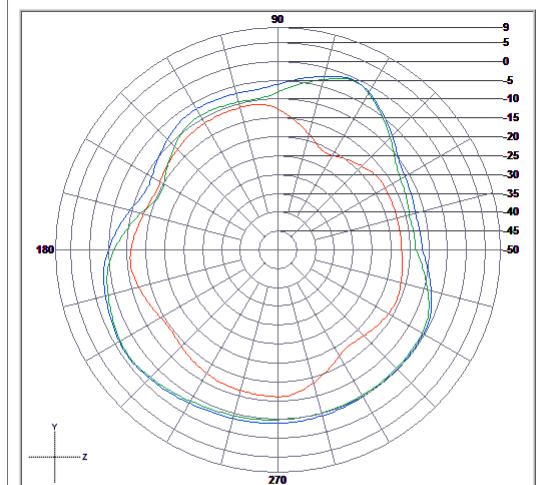
2.440 0.12(dBi)

2.48 0.17(dBi)

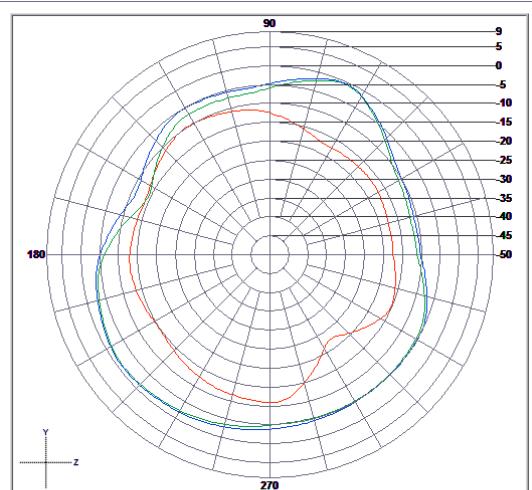
Radiation Pattern:



	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

