

Dongzhen Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: Wandi Electronics

Product Name: 2.4G antenna

Part NO. : 19PIN*0.12*1.4PVC

Write By: Mr. zhou

Issued Date: 2019-3-8

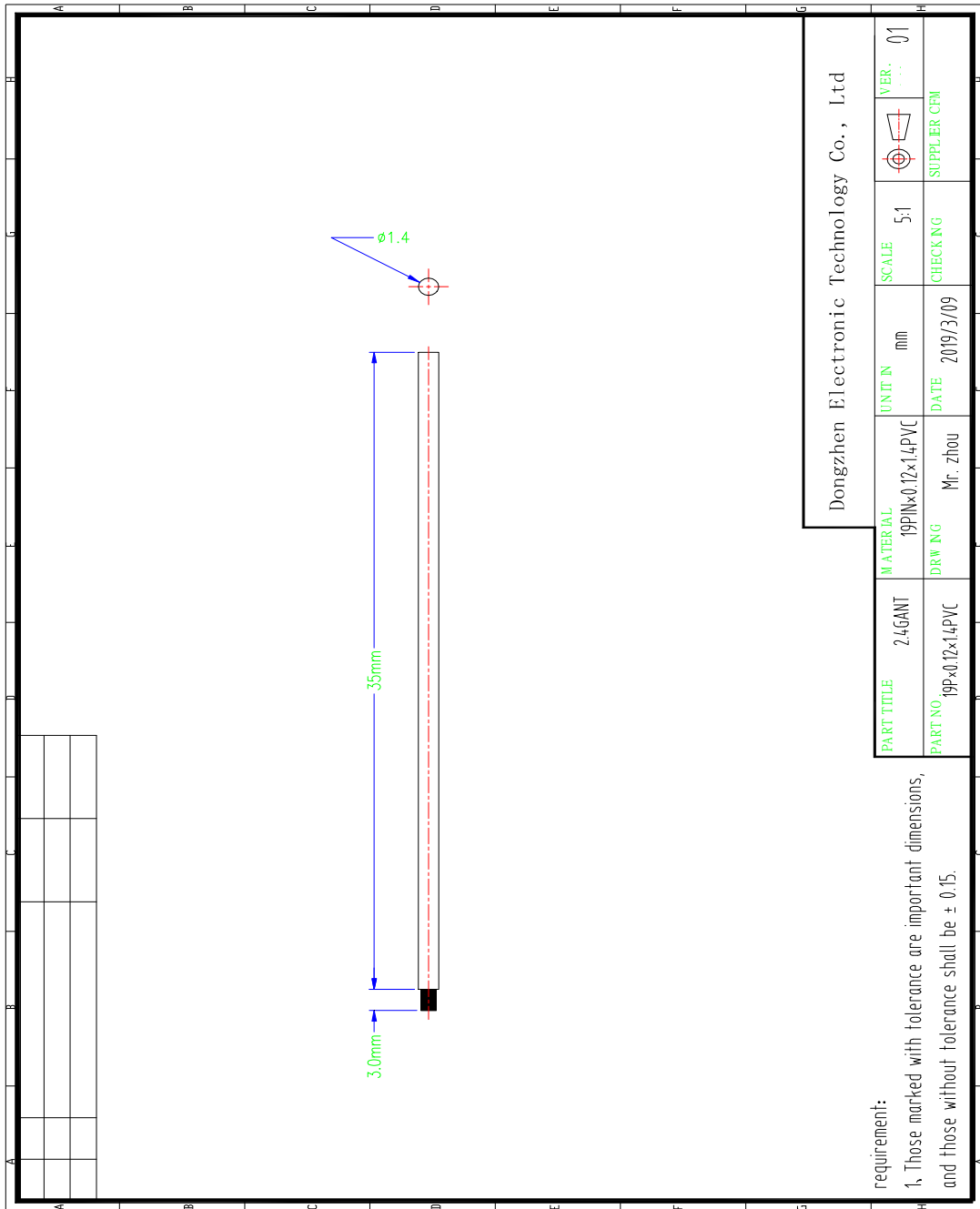
Address of Manufacturer: 4 / F, Shangpin Technology Building,
Nanlong Street, Jinfeng Residential Committee, Xincuo Liao,
Longhu District, Shantou City

customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval



Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >20%

Impedance 50 Ohm

Polarization Line

Gain 0dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.4 white

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

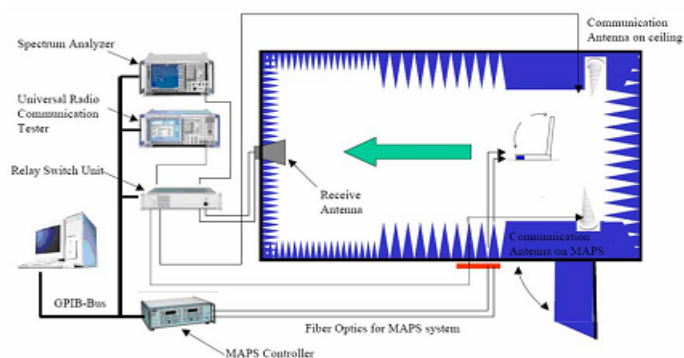
1. Network Analyzers :

Agilent 8753D 5071B

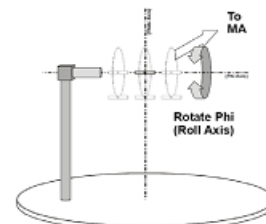
2. Communications Test Set:

Agilent E5515C

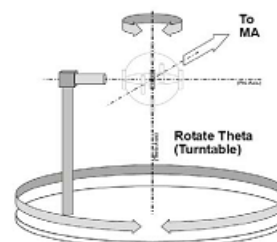
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

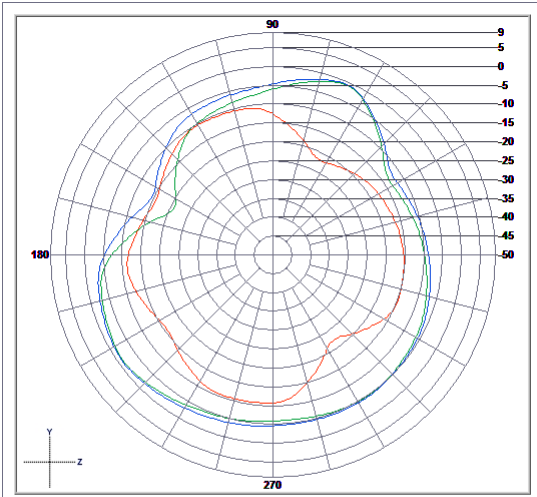
Gain

2.40 GHz -0.01dBi

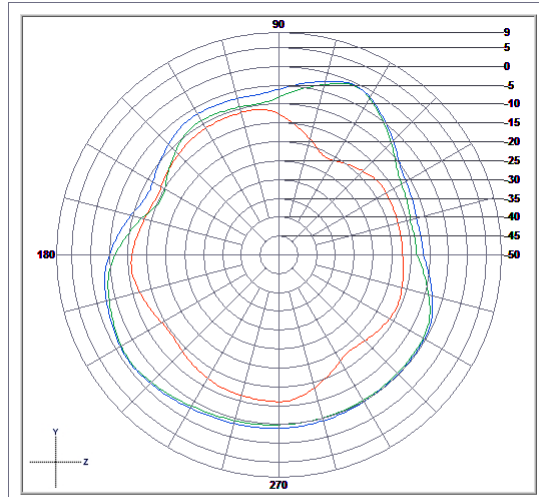
2.440 GHz -0.02dBi

2.48 GHz 0dBi

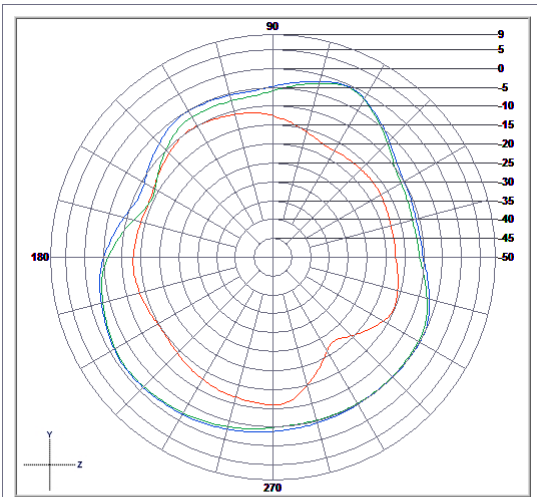
Radiation Pattern:



	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	-0.02



	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0	0

