

天线规格承认书

Antenna Specification for Approval

客户名称

Customer Name: SHANTOU FENGMA TOYS INDUSTRIAL CO., LTD.

地址

Address: NO. 1, LANE1, ROAD2, SHANGJIAOXINGYEYUAN, CHENGHUA
STREET, CHENGHAI DISTRICT, SHANTOU, GUANGDONG, CHINA

产品名称:

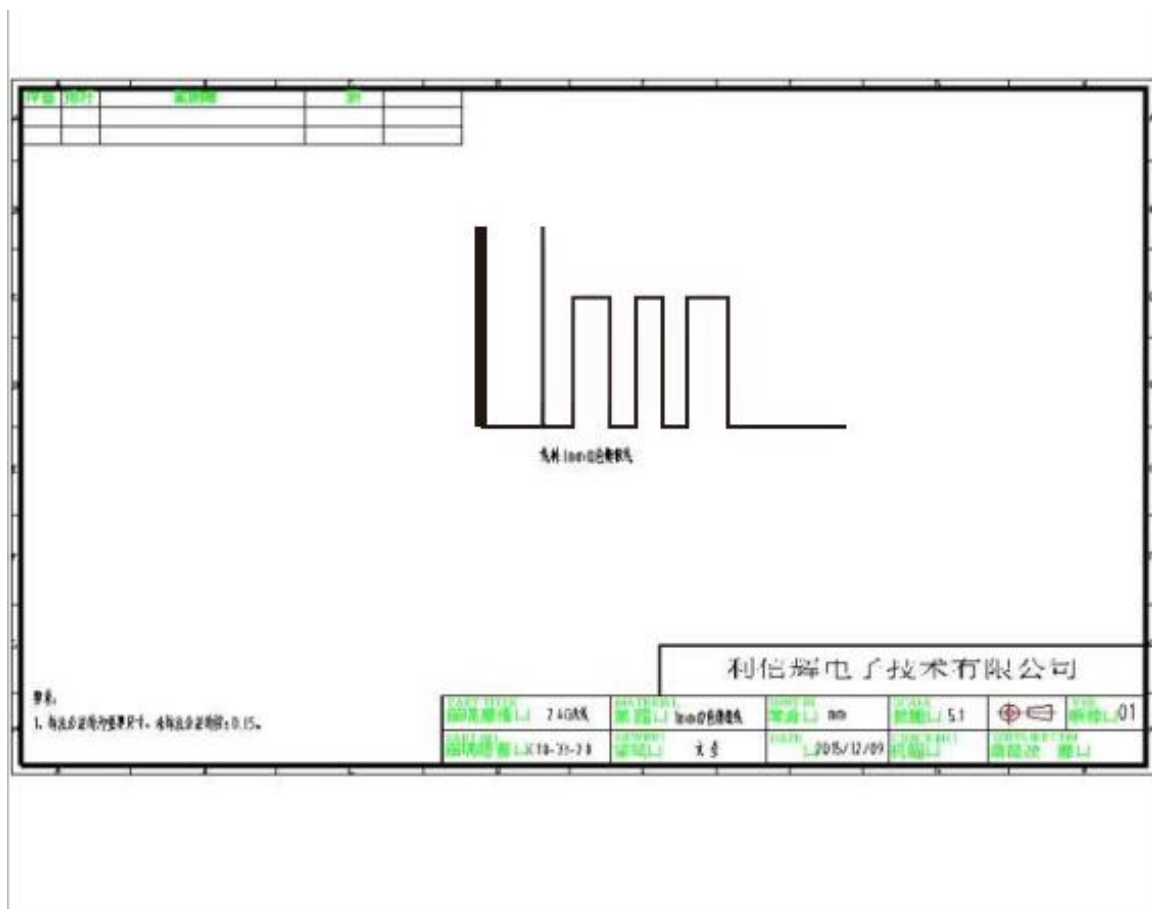
Product Name: 2.4G PCB Antenna

产品料号:

Part NO.: C35-1.1

日期:

Issued Date: 2019-7-20



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

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

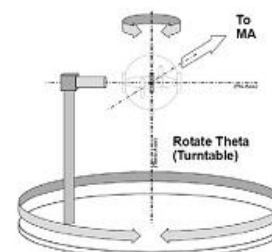
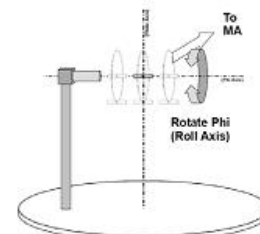
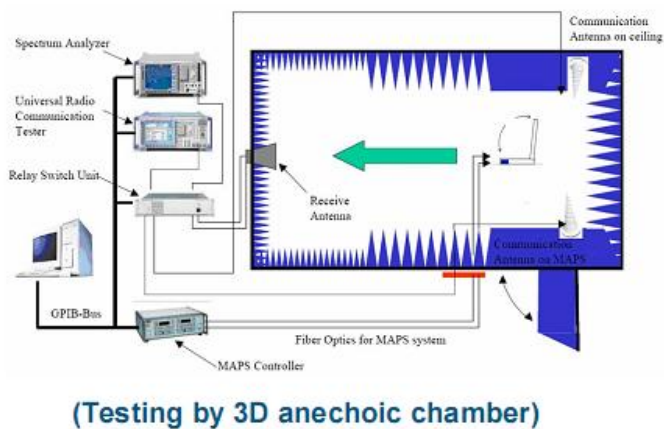
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

Efficiency & Gain



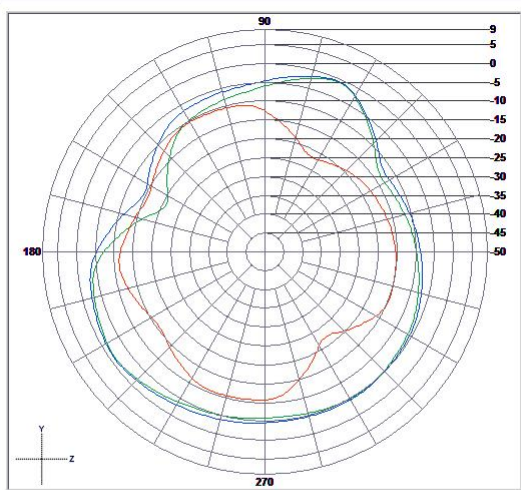
Efficiency & Gain

2.400GHz -0.01dBi

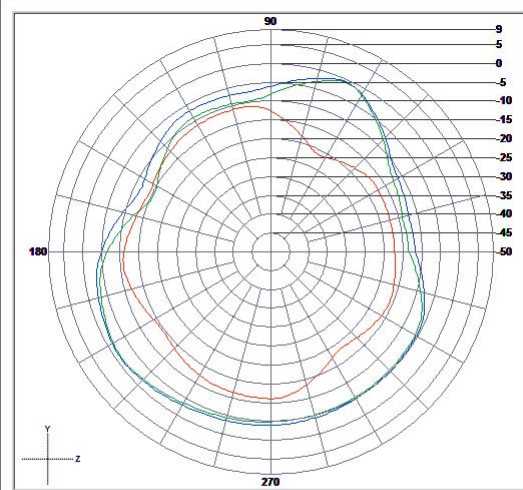
2.440GHz 0.12dBi

2.480GHz 0.17dBi

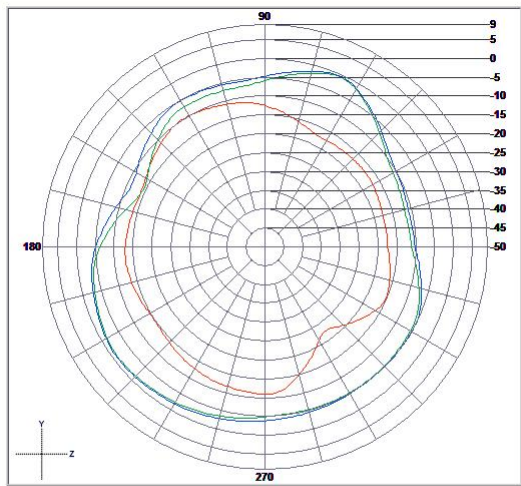
Radiation Pattern:



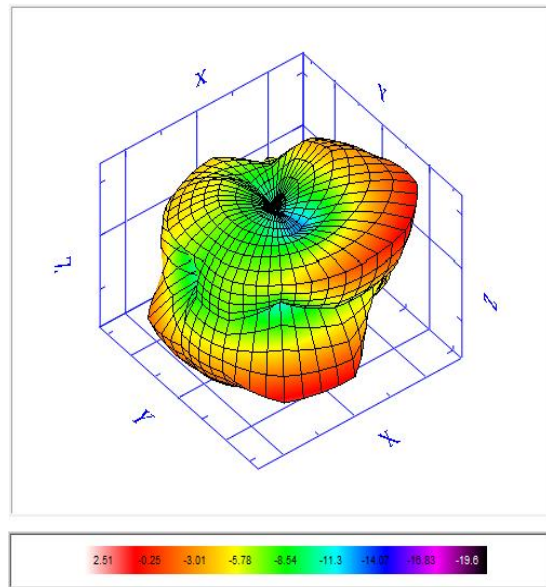
	Vertical	Horizontal	Total
Avg. Gain	-13.14	-5.08	-4.45
Peak Gain	-10.08	-0.03	-0.01



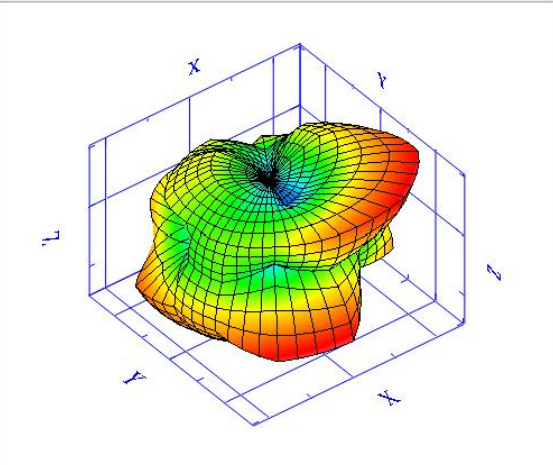
	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12



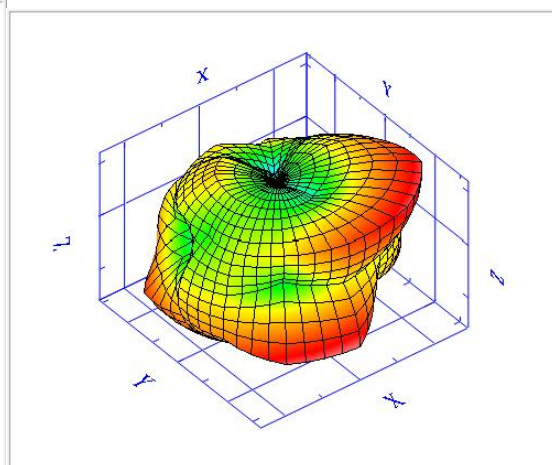
	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17



2.51 -0.25 -3.01 -5.78 -8.54 -11.3 -14.07 -16.83 -19.6



2.12 -0.3 -2.73 -5.15 -7.58 -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