Manufacturer:SHANTOU FENGMA TOYS INDUSTRIAL CO.,LTD.
Manufacturer add.:No.1,Lane1,Road2,Shangjiaoxingyeyuan, Chenghua Street,Chenghai District,Shantou, Guangdong, China

Antenna Specification for Approval

客户名称

Customer Name: _____

产品名称: _

Product Name: 2.4G antenna length 38mm

客户型号:

Product Name:_____

产品料号:

Part NO.: C113H-11130-110

制 表:

Write By: 周 敏

日 期:

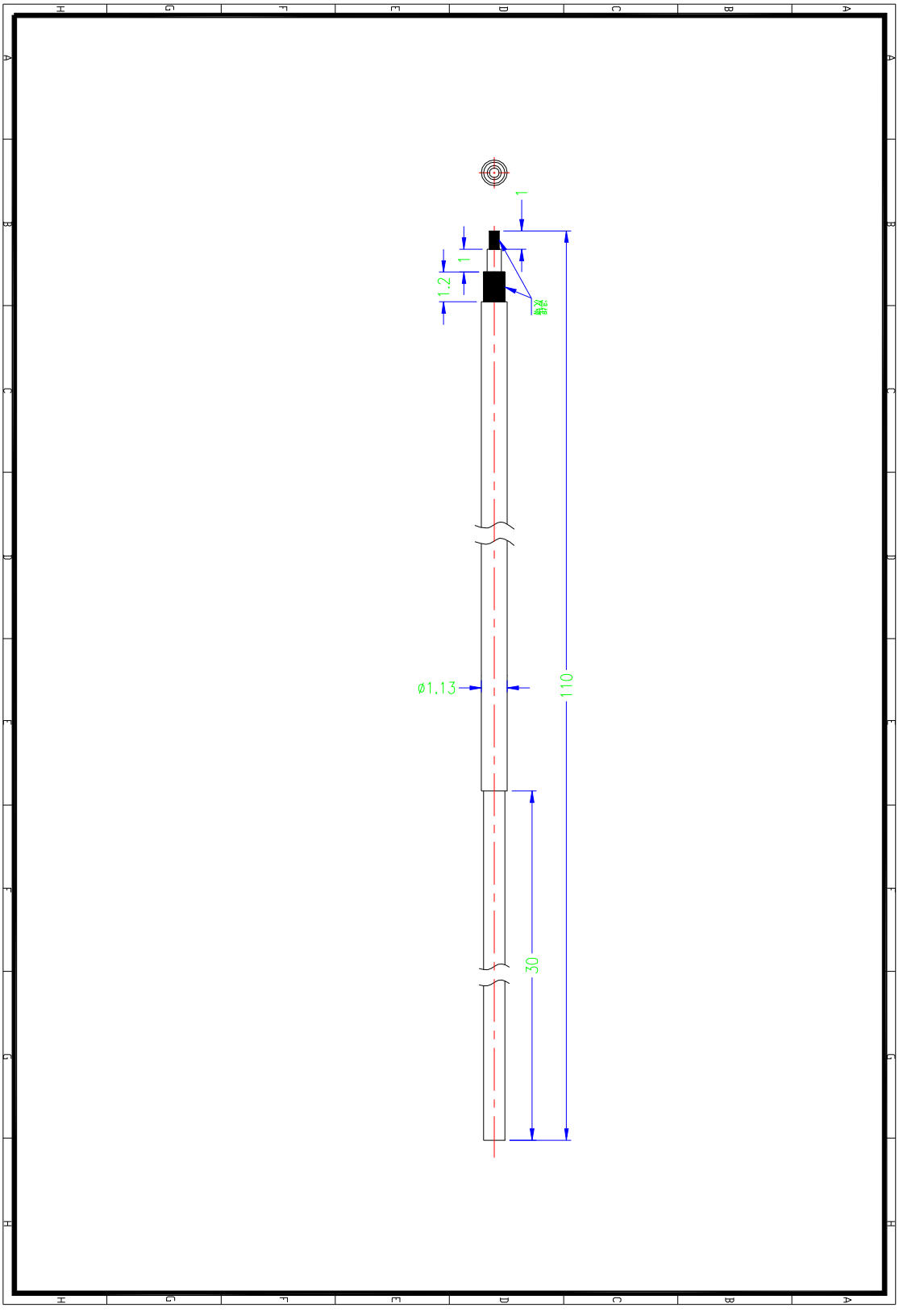
Issued Date:2022-8-20

correspondent:

工程R&D Dept	采购Business Dept	承认 Approved By

LI XIN HUI

研发R&D Dept	工程 Engineer Dept	审核 Approval


1
1
1.2
R2
ø1.13
110
30

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
Cable Type 1.13 lucency
Connector Type : NO
Dimension
C. Environmental
Operation Temperature - 30 °C ~ + 80 °C
Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

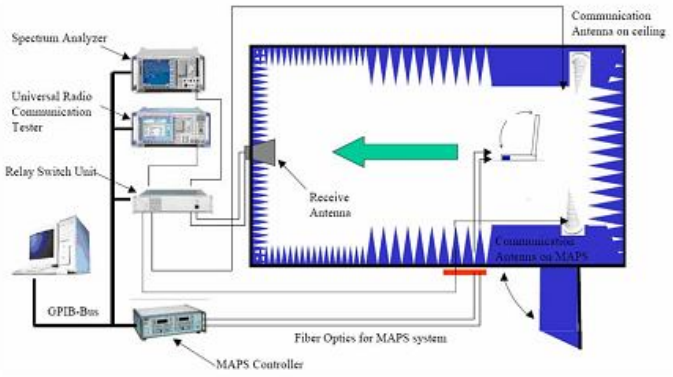
Agilent 8753D 5071B

2. Communications Test Set:

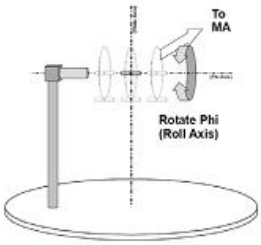
Agilent E5515C

3. 3D Chamber Test System

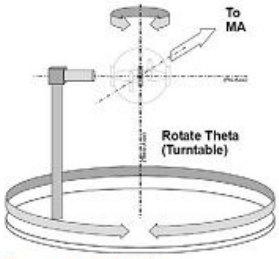
Effiency &Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

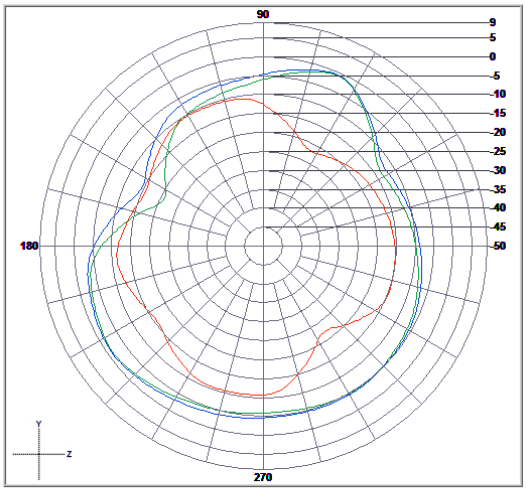
Effiency &Gain

2.40 -0.01

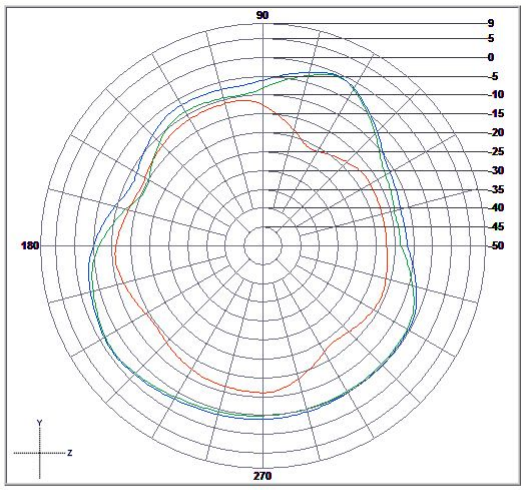
2.440 0.12

2.48 0.17

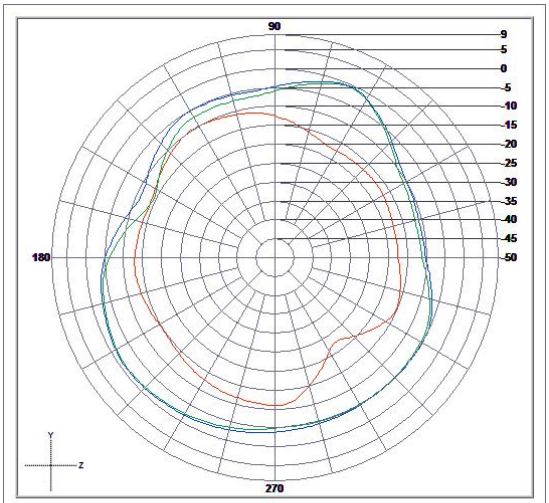
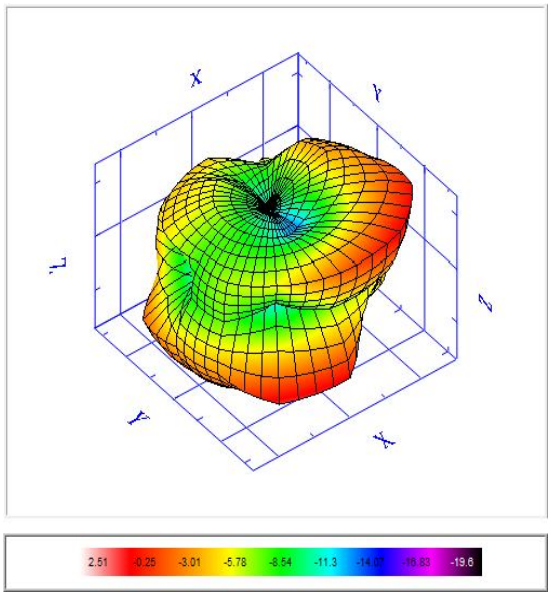
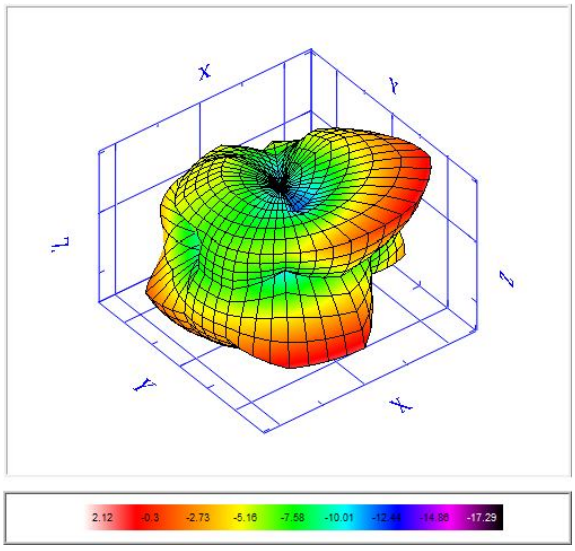
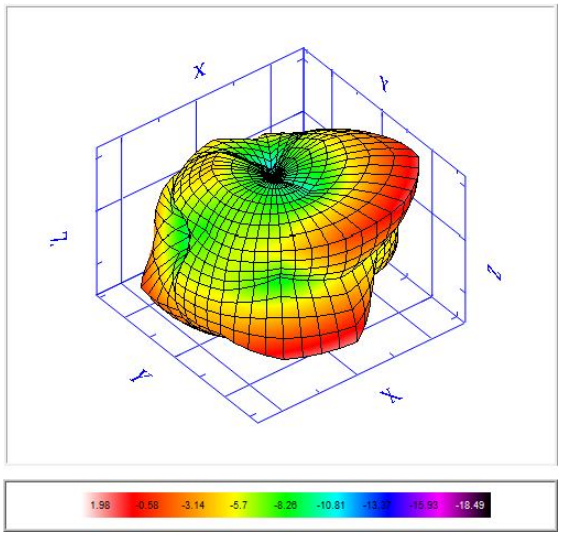
Radiation Pattern:



	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