

天线规格承认书

Antenna Specification for Approval

客户名称

SHENZHEN QINGWEI DIGITAL ELECTRIC

Customer Name: APPLIANCE CO., LTD

产品名称: _

Product Name: The 2.4G antenna is 35mm in length and
white

客户型号:

Product Name: Q W 7 6

产品料号:

Part NO.: C10-35-2.5

制 表:

Write By: min zhou

日 期:

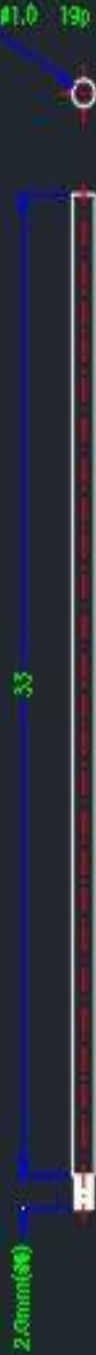
Issued Date: 2019-08-05

工程R&D Dept	采购Business Dept	承认 Approved By

研发R&D Dept	工程 Engineer Dept	审核 Approval

Address: 3/f, Building 6, Zone B, Dongwangyang Industrial Zone, Huangtian, Hangcheng Street, Bao An District, Shenzhen, China

姓名	职务	审核内容	签字	日期



材料: 1mm白色铜线

利信辉电子技术有限公司

图号:

1. 本图是零件图, 未标注尺寸均按 GB 190-2010 执行。

PART TITLE 零件名称:	2.45mm	MATERIAL 材料:	1mm白色铜线	UNIT 单位:	mm	SCALE 比例:	5:1	VER. 版本:	01
PART NO. 零件编号:	C10-33-20	DESIGN 制图:	文 4	DATE 日期:	2019/08/05	CHKD 审核:		SUPPLIER 供应商:	利信辉电子技术有限公司

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Antenna Gain 0.17dBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 ℃ ~ + 80 ℃

Storage Temperature - 30 ℃ ~ + 85 ℃

**D. Type of Antenna: Integral
Antenna**

Manufacturer: Shenzhen Lixinhui Electronics Co., LTD

**Address: No. 3027, Shennan Middle Road, Futian District, Shenzhen City, Guangdong
Province**

Test Equipment & Conditions

1. Network Analyzers :

Agilent 8753D 5071B

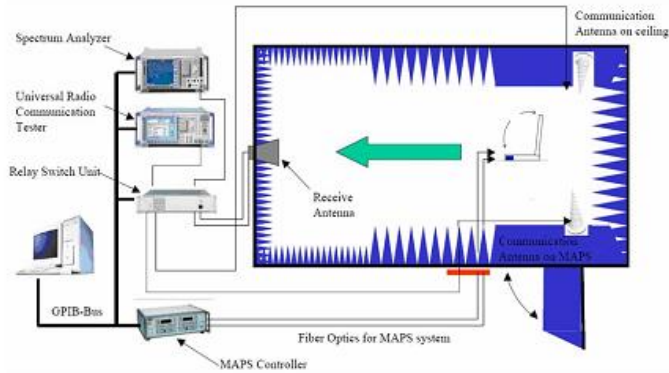
2. Communications Test Set:

Agilent E5515C

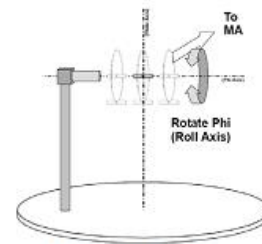
3. 3D Chamber Test System

4. Type of Antenna: Integral Antenna

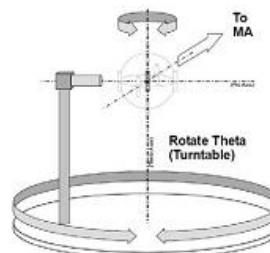
Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test

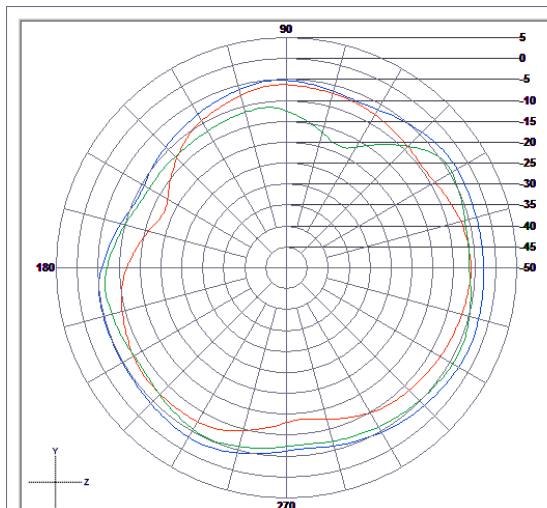


Theta axis test

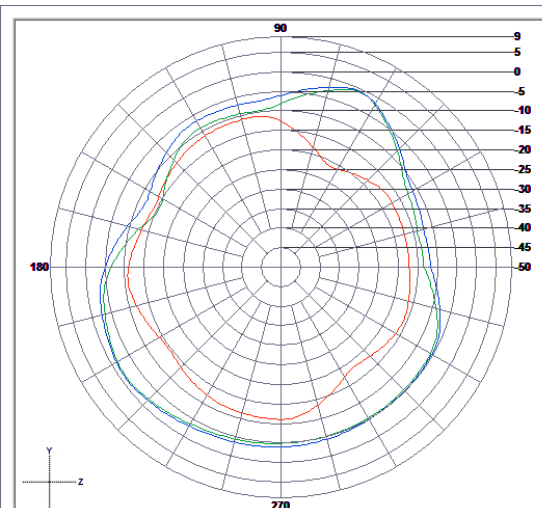
Efficiency & Gain

2.40	-2.17
2.440	0.12
2.48	0.17

Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17



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

