

东莞市壹创电子有限公司

Dongguan Yichuang Electronic Limited



Antenna Recognition Letter

Customer	捷顺	Product Name	B02
Wire name	Coaxial line 1.13 gray	Version	A1
Customer part number		Item number	YCfpc-004
Technical Director	何良海	Date	2024-09-04

Supplier signature			Customer signature		
Organize	Auditor	Approval	Organize	Auditor	Approval

Supplier R&D Address: 504, Building 6, Dalang Lianjian Industrial Zone, Longhua, Shenzhen
Factory Address: 8th Floor, Elevator, Building E, Fengzhimei Industrial Zone, Jinfengfeng Avenue, Huangdong Village, Fenggang Town, Dongguan City, Guangdong Province, China
Supplier Contact: Ms. Li, Documentary Procurement 13534242136

Contents

Cover.....	1
Catalogue	2
1、 Product images	3
2、 Product parameters	4
3、 S11 standing wave diagram data	5
4、 Efficiency test report and Apple directional diagram.....	6
5、 Environmental performance test.....	7
6、 Product size.....	8
7、 ROHS Material Control Report.....	9
8、 Packaging specifications.....	10



1、 Product images

2、 Product parameters

Product testing parameters

产品名称(Name)	B02	产品型号(Model Type)	YC-FPC-004
电 性 能 指 标(Electrical Specifications)			
频率范围 (Frenquency Range)	2400-2500MhZ 5000-5800MhZ	极化方式 (Polarization)	Vertical
输入阻抗(Impedance)	50 Ω	辐射方向	Omnidirectional
驻波比 (VSWR)	2.0	功率容量(Power)	50W
增益(Gain)	3.68DB	带宽 (Bandwidth	136/980MHz
机 械 指 标(Mechanical Specifications)			
尺寸 (Dimensions)		天线颜色(Radome Color)	Black
连接器型号 (Connector)	1st generation terminal 1.13 wire	引线长度(Cable Length)	95mm
外壳材料 Radome Material			
工作温度 (Working Temperature)	-10℃--+60℃	存放温度 (Limit Temperature)	-10℃--+30℃

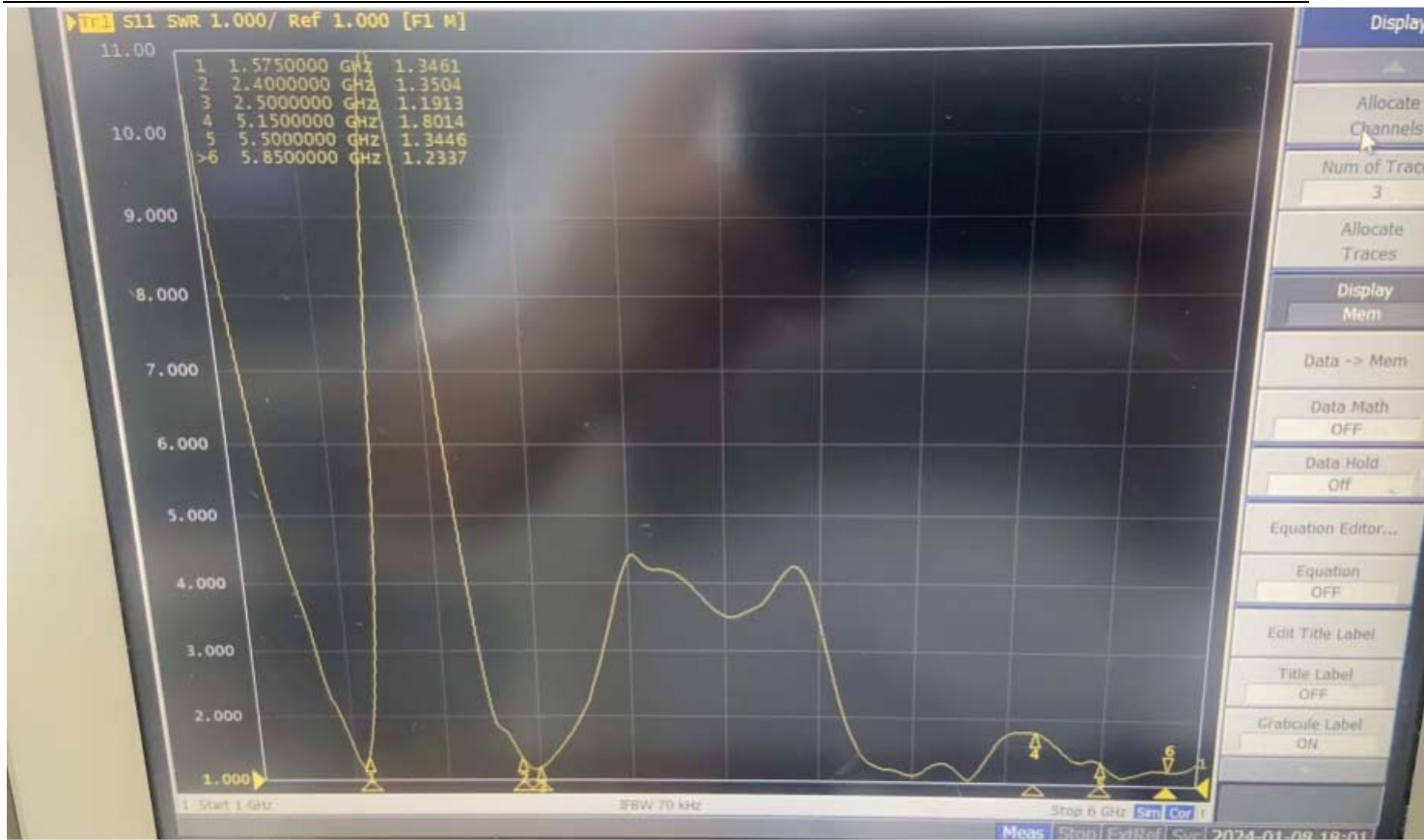
3、 S11(VSWR 、 Return loss 、 Smith)data

研发地址：深圳市龙华区大浪街道华荣路联建工业区 6 栋 504

工厂地址：广东省东莞市黄洞村金凤凰大道凤芝美工业区 E 栋 3 号电梯 8 楼

保 密 要 求

本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。



Frequency	Efficiency (%)	Gain (dB)
2390000000	55%	3.35
2400000000	55%	3.61
2410000000	64%	3.61
2420000000	60%	3.37
2450000000	58%	3.56
2460000000	59%	3.45
2480000000	58%	3.68
2500000000	57%	3.23

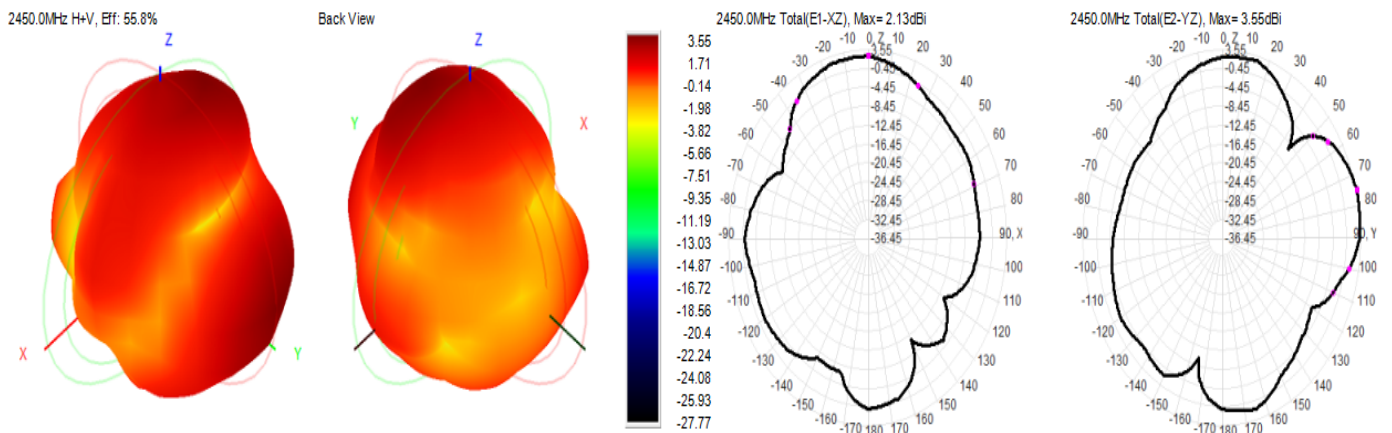
研发地址：深圳市龙华区大浪街道华荣路联建工业区 6 栋 504

工厂地址：广东省东莞市黄洞村金凤凰大道凤芝美工业区 E 栋 3 号电梯 8 楼

保 密 要 求

本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。

Frequency	Efficiency (%)	Gain(dB)
500000000	52%	3.25
520000000	54%	3.65
530000000	55%	3.51
540000000	56%	3.57
550000000	57%	3.36
560000000	54%	3.45
580000000	53%	3.68
590000000	54%	3.33

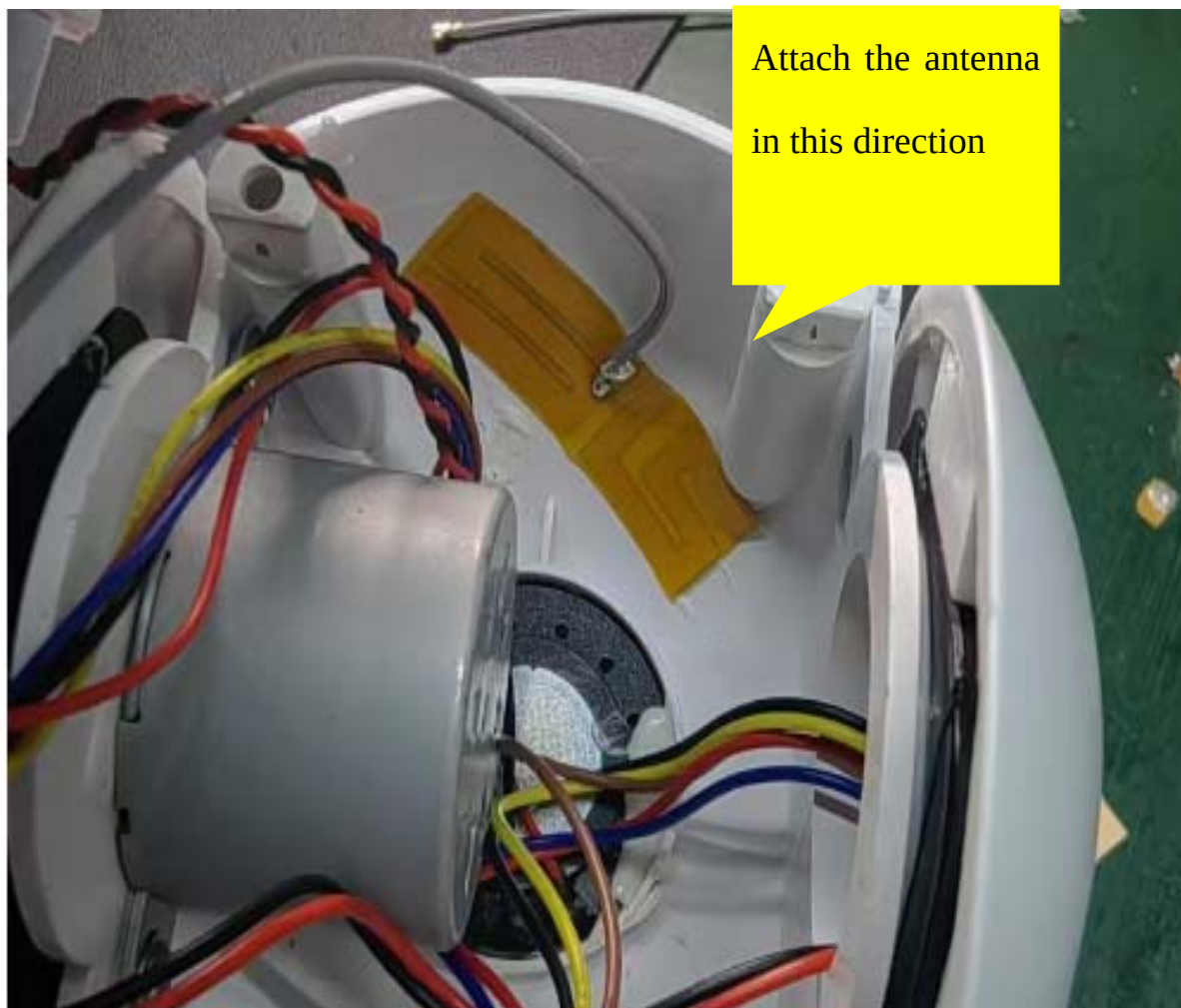
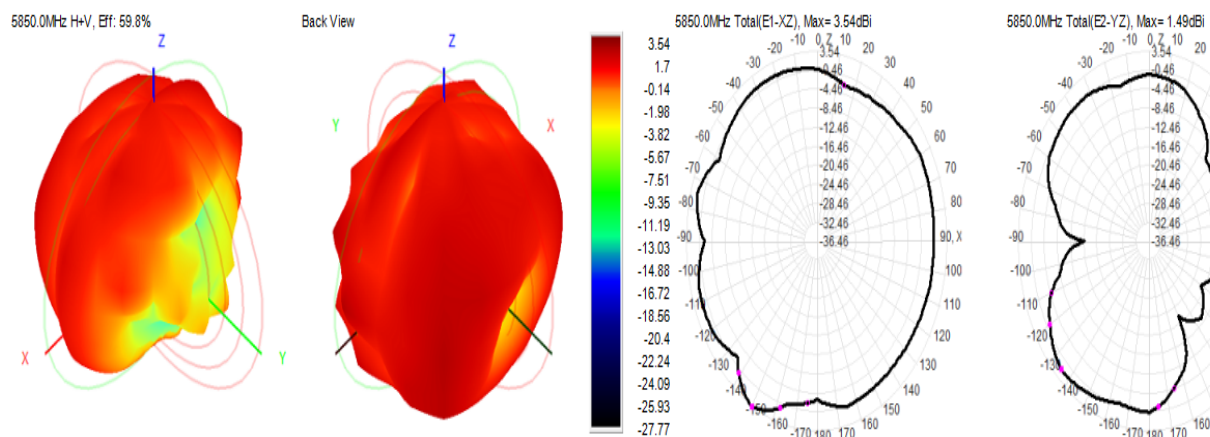


研发地址：深圳市龙华区大浪街道华荣路联建工业区 6 栋 504

工厂地址：广东省东莞市黄洞村金凤凰大道凤芝美工业区 E 栋 3 号电梯 8 楼

保密要求

本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。



研发地址：深圳市龙华区大浪街道华荣路联建工业区 6 栋 504

工厂地址：广东省东莞市黄洞村金凤凰大道凤芝美工业区 E 栋 3 号电梯 8 楼

本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。

5、 Performance testing

Project	Test conditions	Specifications
Storage environment	Test temperature, humidity, and air pressure without specifying as follows: 1. The temperature ranges from -10 °C to +60 °C 2. Relative humidity is 0% -95% 3. The air pressure ranges from 86kpa to 16kpa	Normal electrical and mechanical performance
High and low temperature test	Perform 5 cycles between 60 °C and -10 °C, and then under normal conditions 1-2H, check the appearance quality.	The size should meet the requirements and meet the requirements Regarding mechanical and electrical performance
Resistant to constant humidity and heat test	Relative humidity $95 \pm 3\%$, test temperature: 40 °C After a continuous action of 2 hours, Measure the electrical performance of the test sample within 5 minutes after removal, and the test sample should be in normal condition After 1-2 hours, check the appearance quality	The size should meet the requirements and meet the requirements Regarding mechanical and electrical performance
Vibration	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycle times: 30 times	Normal electrical and mechanical performance
Drop Test	Free fall 3 times from a height of 1M along mutually perpendicular axes	Normal electrical and mechanical performance

6、 ROHS Material Control Report

Material RoHS Compliance Declaration Form

We hereby certify that the raw materials used for delivering components and auxiliary materials to your company, as well as the additives used in the production process, comply with the RoHS Directive on the Restriction of Hazardous Substances. The composition reports of raw materials, packaging materials, and additives used in the production process for components and auxiliary materials are as follows:

Composition material name	Composition materials	Testing agency	Test time	Content of harmful substances						NG/PASS
Copper wire rod	Copper	SGS	18. 04. 05	Cd	Pb	Hg	Cr6+	PBB	PBDE	PASS
	Teflon coaxial cable	SGS	18. 05. 06	ND	ND	ND	ND	ND	ND	PASS
SMA	PTFE	SGS	18. 05. 06	ND	ND	ND	ND	ND	ND	PASS
	Copper	SGS	18. 08. 01	30	28759	ND	ND	ND	ND	PASS
	Gold plate	SGS	18. 08. 01	ND	37	ND	ND	ND	ND	PASS
Plastic	ABS	SGS	18. 07. 03	ND	ND	ND	ND	ND	ND	PASS
Heat shrinkable sleeve	Heat shrinkable sleeve	SGS	18. 07. 03	ND	ND	ND	ND	ND	ND	PASS
		SGS	17. 07. 05	ND	ND	ND	ND	ND	ND	PASS

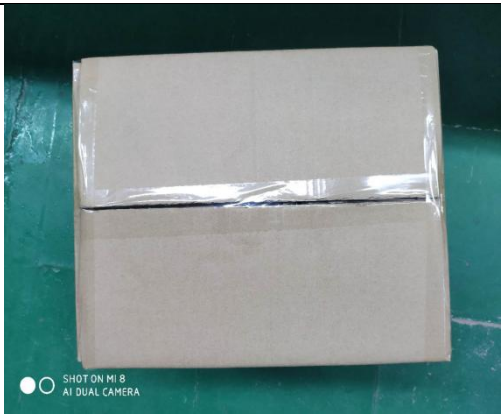
本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。

7、 Packaging specifications

Product name	Product model	Antenna type	Version	Document Number
B02		fpc	A1	YCFPC44

Packaging Diagram

Figure 1 (Product)	Picture 2: Bagged
Figure 3 (Bagging)	Figure 4 (Labeling)

Figure 5 (Packing)	Figure 6 (Sealed Box)
	

Packaging process

- 1. Pack every 1 piece in PE sealed pocket packaging**
- 2. Each bag (100) of products is packaged in a PE sealed pocket**
- 3. Packing, excluding the last digit of each box containing bags (300pcs); Attach the outer box label, which should be placed in the upper right corner of the outer box. The label should include (manufacturer, product name, model, quantity, production date)**
- 4. The box is sealed with sealant in an "I" shape.**

保 密 要 求

本公司已拥有专有技术所提供的资料，这些专有资料应严加保密，在未经东莞壹创电子有限公司事先书面同意的时不允许透露给任何人或公司。

Precautions

The label is fixed in the upper right corner of the cardboard box, and the content of the label includes: manufacturer, product name, model, quantity, and production date

Name	Specification	Usage per box
PESealing bag	30*10	1
PESealing bag	50*25	3
Carton		1