

Dongguan Yichuang Electronics Co., LTD

Dongguan Yichuang Electronic Limited



Antenna specification

client	Jie shun	name of a part	B02
Wire name	Coaxial line of 1.13 gray	edition	A1
Customer material number		One Chuang material number	YCfpc-004
Technical Director	He Lianghai	date	2024-09-04

Supplier signature			Customer signature		
undertake	examine and verify	approval	undertake	examine and verify	approval

Supplier R & D address: 504, Building 6, Dalang United Construction Industrial Zone, Longhua, Shenzhen

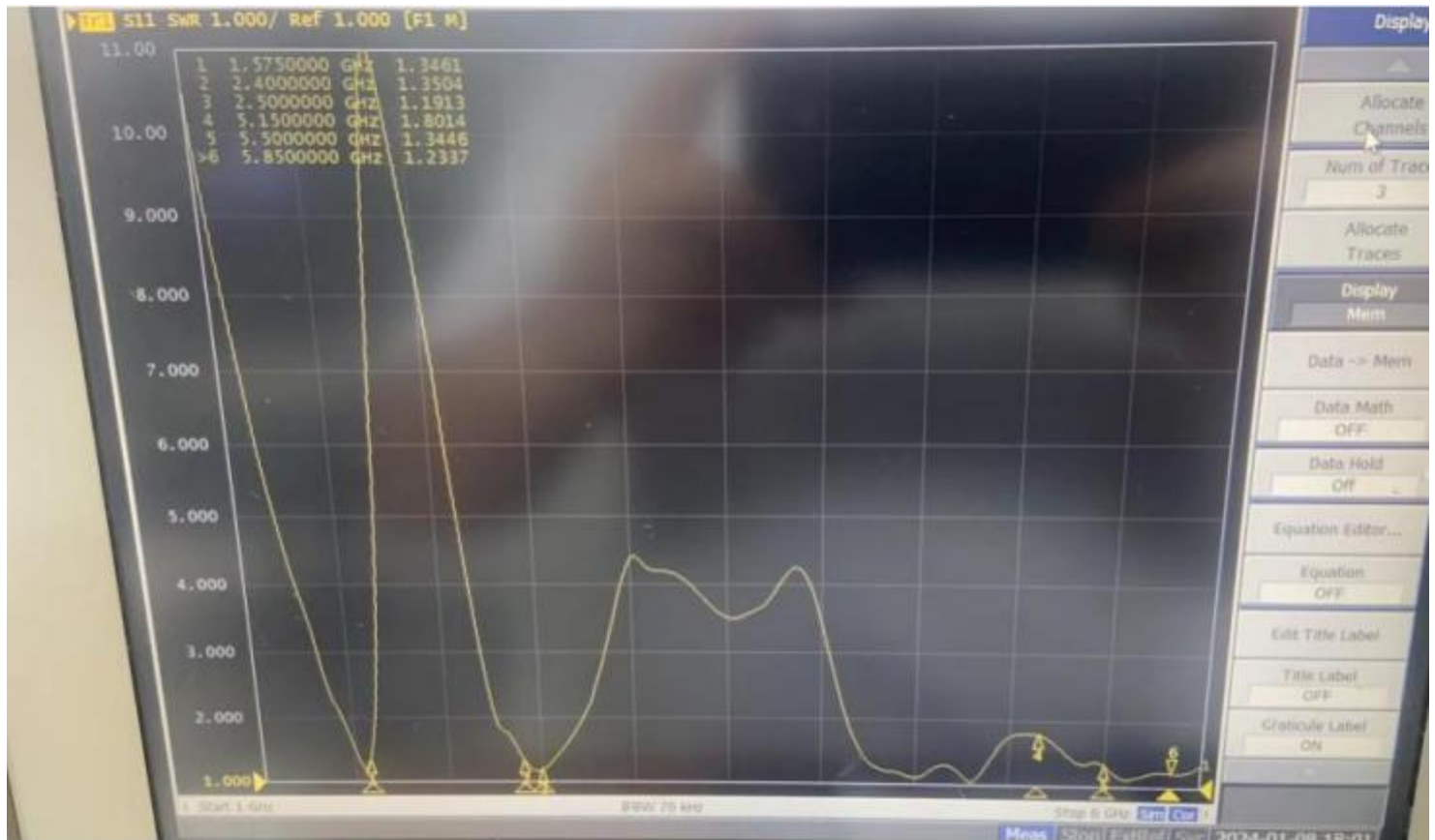
catalogue

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2. Product

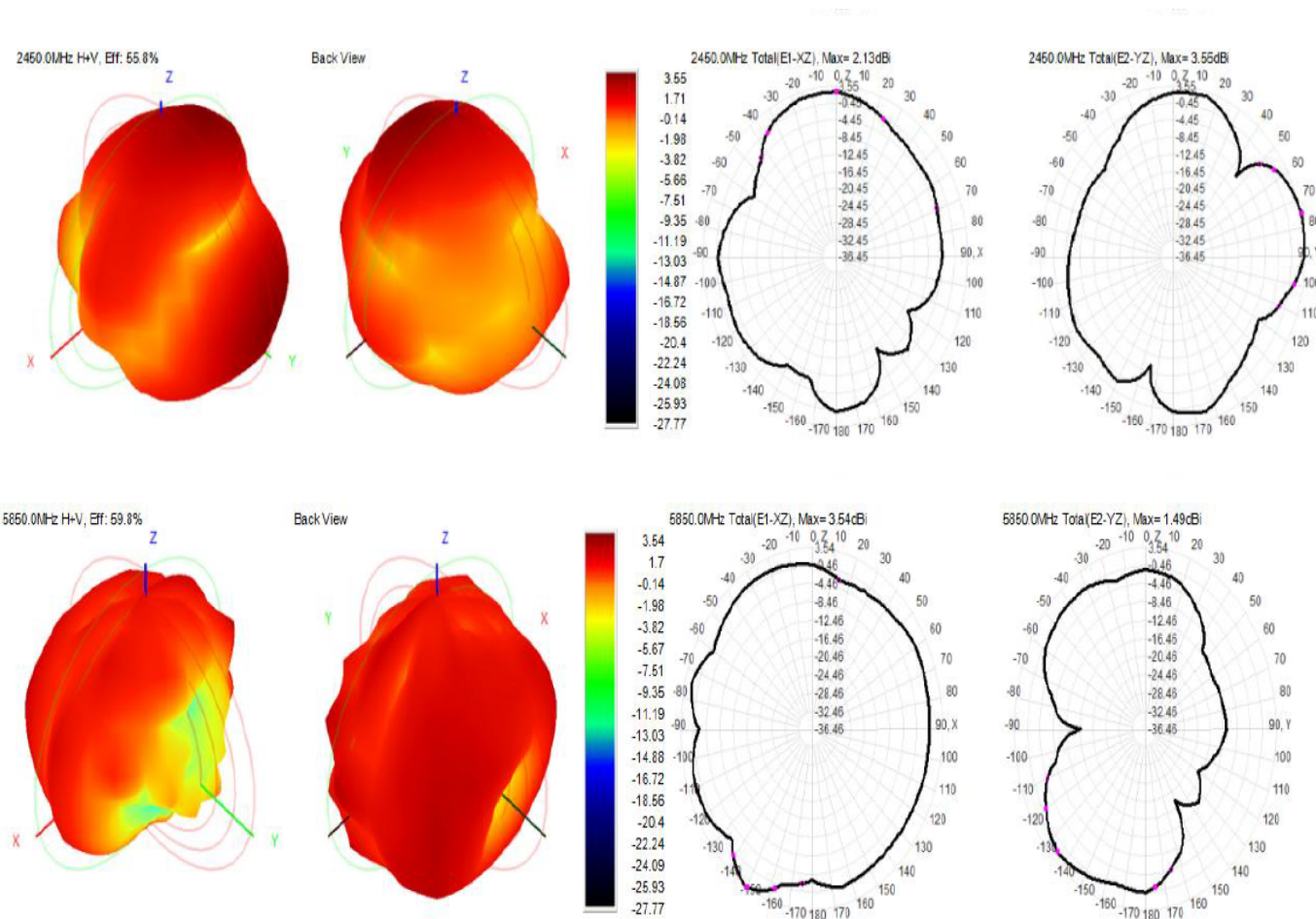
Product test parameters			
Product Name (Name)	B02	Product Model Number (Model Type)	YC- FPC-004
Electrical performance index (Electrical Specifications)			
Frequency Range (Frequency Range)	2400-2500 MHz 5000-5800 MHz	Polarization mode (Polarization)	perpendicular
Input impedance (Impedance)	50Ω	radiation direction	omnidirectional
Standing Bobby (VSWR)	2.0	Power capacity (Power)	50W
Gain (Gain)	3.68dBi	Bandwidth (Bandwidth)	136/980 MHz
Mechanical index (Mechanical Specifications)			
Dimensions (Dimensions)		Antenna Color (Radome Color)	black
Connector Model Number (Connector)	1 generation terminal 1.13 wire rod	Lead length (Cable Length)	95 mm
Case material, Radome Material			
working temperature (Working Temperature)	-10℃--+60℃	Storage temperature (Limit Temperature)	-10℃--+30℃

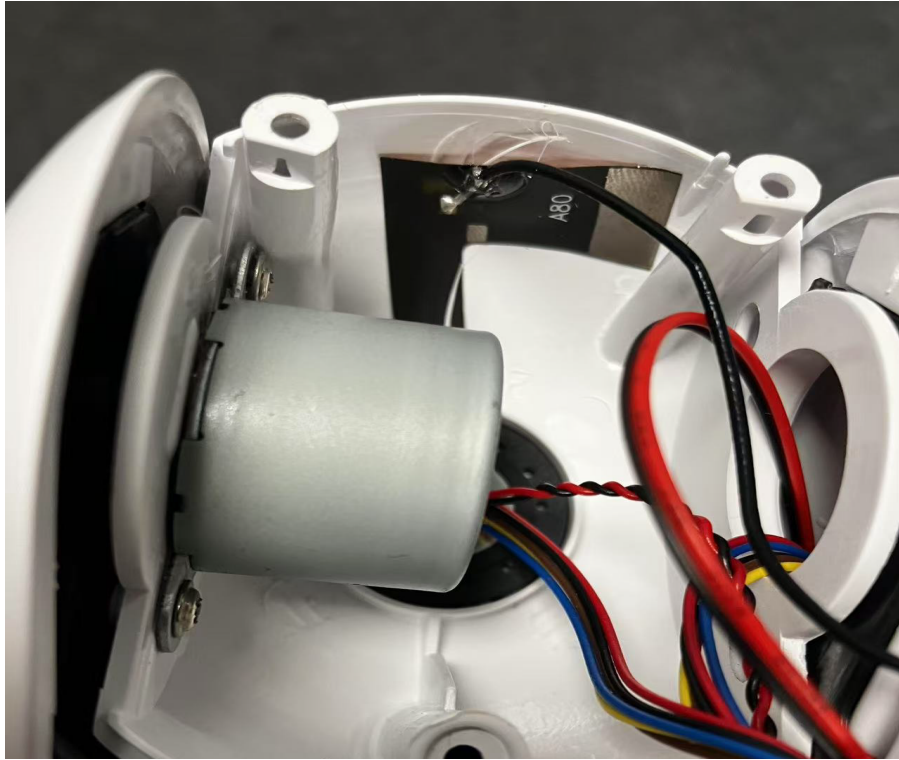
3. S11 (VSWR, Return loss, Smith) data



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

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





5. performance testing

project	test condition	specifications
Storage environment	Test temperature, humidity, air pressure without specified: 1. The temperature is $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ 2. Relative humidity is 0% -95% 3. Air pressure is 86 kpa-106 kpa	Electrical and mechanical properties are normal
thermocycling	Five cycles were performed between 60°C and -10°C and then under normal conditions 1-2H, check the appearance quality.	Dimensions shall meet the requirements and shall be Meet the satisfaction In the mechanical and electrical performance
Resistance to constant damp and heat test	Relative humidity: $95 \pm 3\%$, test temperature: 40°C . After a sustained 2H action, The electrical performance is measured within 5 min after the removal, and the test article is in the normal strip Part under 1-2H, to check the appearance quality	Dimensions shall meet the requirements and shall be Meet the satisfaction In the mechanical and electrical performance
vibration test	Vibration frequency range: 10-55 HZ, displacement amplitude: 0.35 MM, acceleration amplitude: 50.0M/S, Scan cycle times: 30 times	Electrical and mechanical properties are normal
fall-down test	1M falls 3 times in the axis direction vertical to each other	Electrical and mechanical properties are normal

VI. ROHS material

Material RoHS Conformance Declaration Form

This is to certify that the delivery of components to your company, the raw materials used in auxiliary materials and the additives used in the production process meet the RoHS to limit the use of hazardous substances instruction ring. The components, raw materials used in auxiliary materials, packaging materials and additives used in the production process are reported as follows:

Composition material name	Composition of materials	Testing institutions	testing time	Hazardous substance content						NG/ PASS
Copper wire	copper	SGS	18. 04. 05	Cd	Pb	Hg	Cr6+	PBB	PBDE	PASS
	Iefuron 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 parts	ABS	SGS	18. 07. 03	ND	ND	ND	ND	ND	ND	PASS
heat-shrinkable tubing	heat-shrinkable tubing	SGS	18. 07. 03	ND	ND	ND	ND	ND	ND	PASS
		SGS	17. 07. 05	ND	ND	ND	ND	ND	ND	PASS

Seven,

product name	product model	Antenna type	edition	document number
B02		fpc	A1	YCFPC44

Schematic diagram of packaging

Figure 1 (Product)	Figure two bags
Figure 3 (Bag)	Figure IV (Labeling)

Figure 5 (boxed)	Figure 6 (sealed box)
	

package technology

1. For every PCS, pack in the PE sealing pocket
2. Put each bag (100) of products into PE sealed pocket packaging
3. Box, except the end of each bag (300 pcs); label on the upper right corner of the outer box (manufacturer, product name, model, quantity, production date)
- 4, the box with sealing glue to "work" type sealing box.

matters need attention

The label is fixed in the upper right corner of the carton (the label includes: manufacturer, product name, model, quantity, production date)

name	dimensions	The amount of each box
PE seal pocket	30*10	1
PE seal pocket	50*25	3
carton		1