

	ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer nane: A5RK-FP

Product name: 2.4G PCB antenna

Customer Part
Number:

Manufacturers of
Material: XESANT12B131342

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2026.1.14

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: ☒new product ☐ product shanges

Admit that project: ☐acknowledgement ☐soecimen 5PCS

Admit that conclusion: ☐reception ☐refuse

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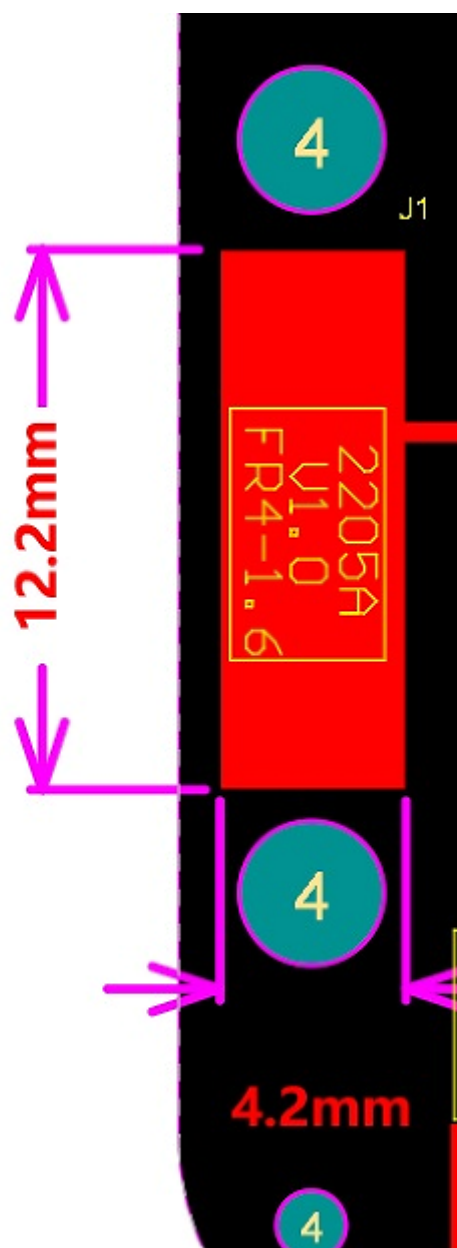
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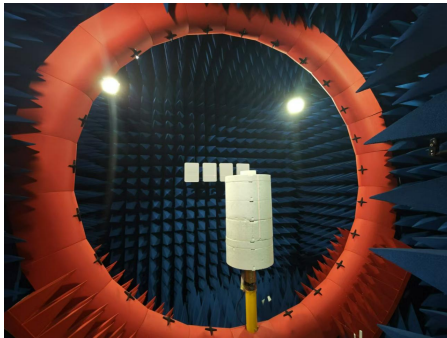
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Impedance(Ω)	50 ± 10
Gain(dBi)	3. 29
ReTurnLoss(dB)	≤ -10
VSWR	≤ 2
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	/
Physical Properties	
Antenna Base	PCB
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

Product drawing



Test equipment



OTA testing system

Brand: Feitu

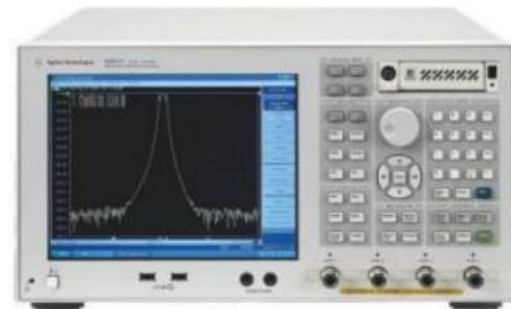
Frequency range: 400MHz-8.5GHz

Dimensions of the dark chamber: 4m x 4m x 4m

Number of probes: 24 (23 dual-polarized probes and 1 communication probe)

Functions: Passive and active testing; G network, C network, 2G/3G/4G.

WIFI, BT, and other standard TRP, TIS testing, and so on.



Model: 5071C

Brand: Agilent

Frequency range: 9KHz-8.5GHz

Function: Comprehensive passive testing of antennas, including 2G/3G/4G/BT/WIFI.



Model: 8960

Brand: Agilent

Frequency range: 292MHz-2700GHz

Function: Suitable for active testing of 2G/3G devices.



Model: CMW500

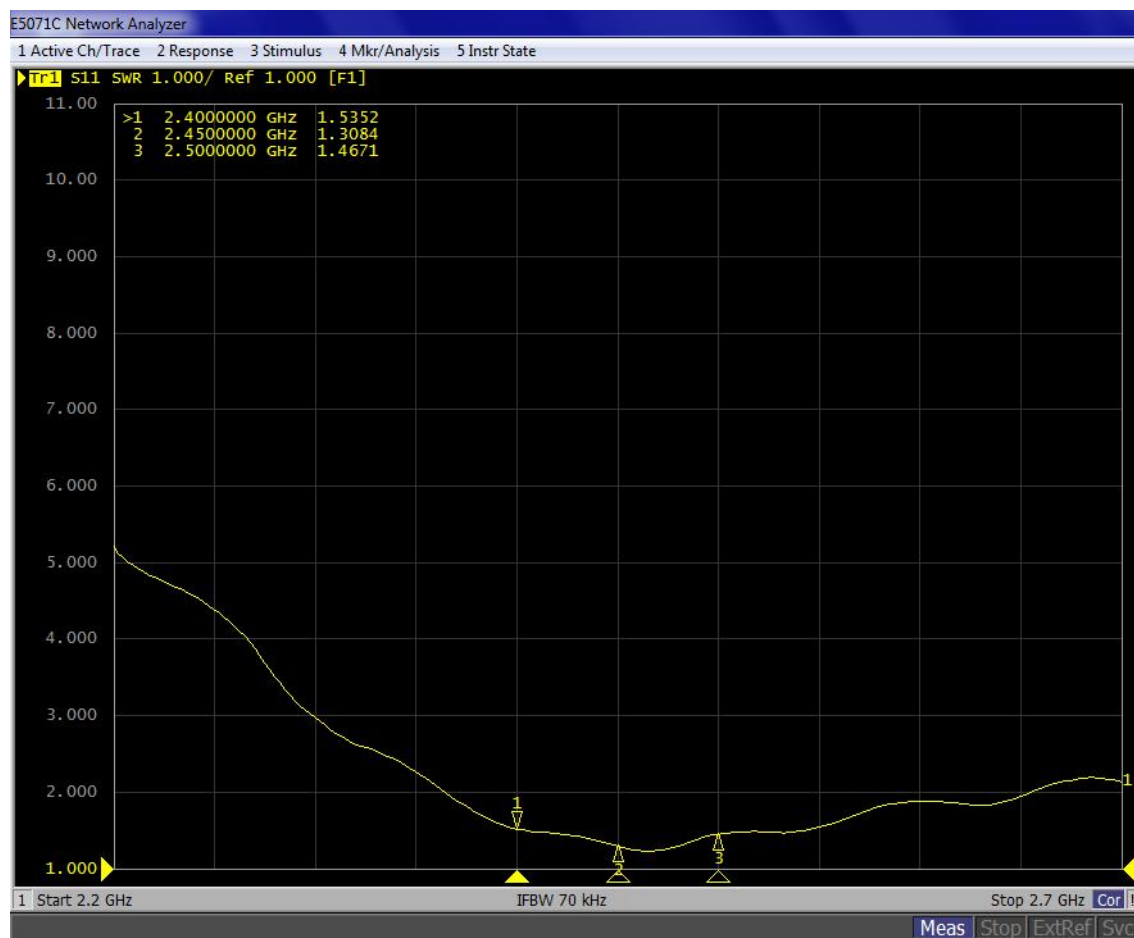
Brand: Rohde & Schwarz

Frequency range: 70KHz-6GHz

Function: Comprehensive active testing of antennas, including 2G/3G/4G/BT/WIFI/NB-Lot.

Network analyzer test report

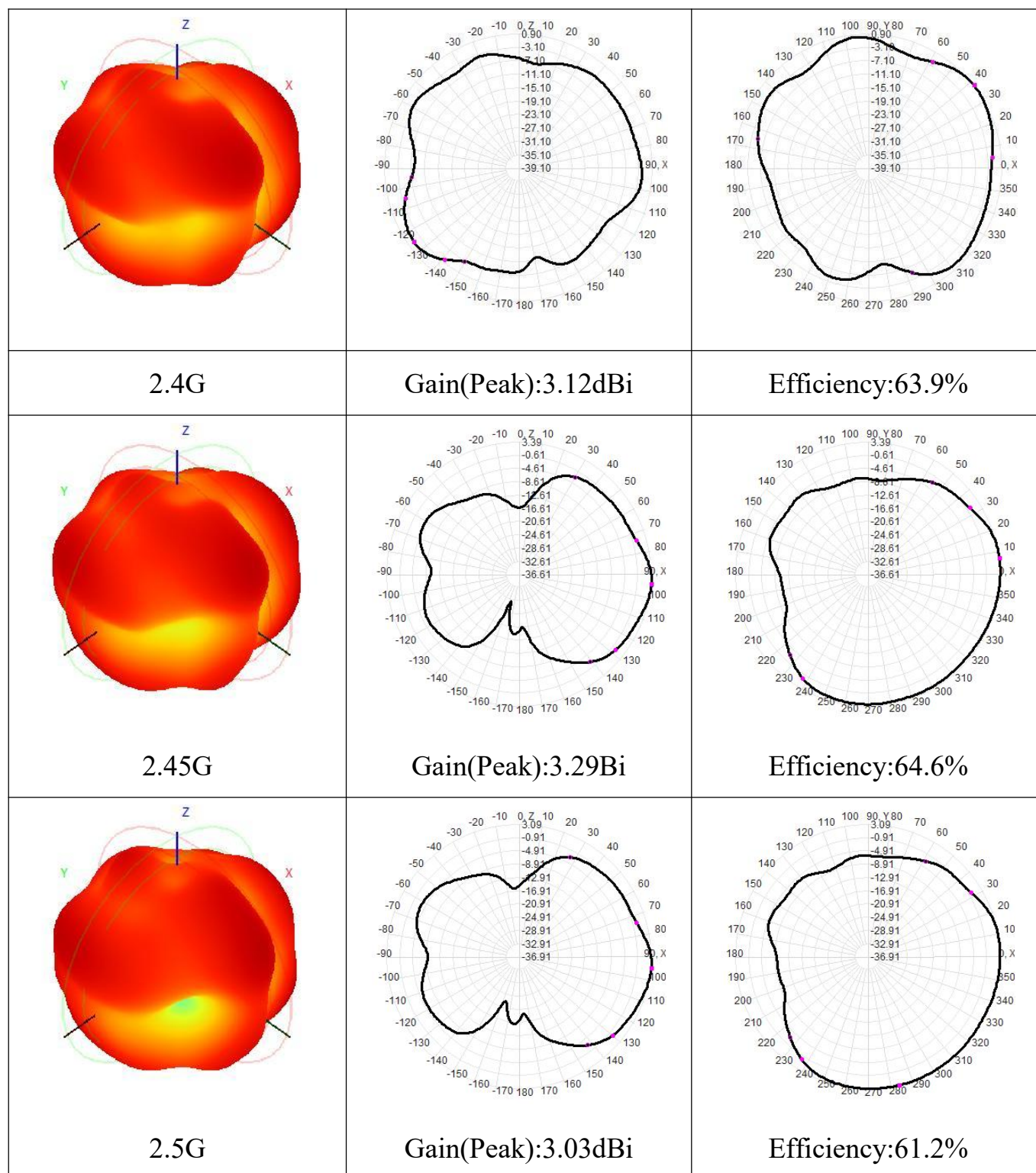
SWR



OTA test

	signal path	TRP	signal path	TIS
WIFI	1	10.24	1	-64.96
	6	9.6	6	-65.91
	11	7.62	11	-61.7

2D、3DRaditation Pattern



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Reliability testing report

1	SAIT SPRAY TEST	Saltwater spray test: in accordance with the standard GB1266-86. Distilled water: Single distillation PH6.5~7 Spray volume: 1.4me80cm² /h Compressed air pressure: 1Kgf/cm² Relative test angle: 98° Temperature: 45° to 47° Pressure-temperature: 35° Test duration: 48 hours	All characteristic range is 30% of the initial value There are no signs indicating any damage to the electrical performance of the device.
2	HEAT TEST	for 96 hours, after keep in normal condition for 30mim the to test.	
3	HUMIDITY TEST	40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	COLD TEST	-20+2℃ for 96hours, after keep in normal condition for 30mim the to test.	

Product packaging specifications

Product name/Specifications

1、 Labeling Requirements

采购单号	*****
物料编码	*****
品名规格	*****
数量/单位	*****
备注	*****

采购单号	*****
物料编码	*****
品名规格	*****
数量/单位	*****
备注	*****

2、 Packing requirements

Homework instructions:

Inner packaging:

Product: 100 pieces per small bag

Exterior packaging:

Quantity determined based on actual quantity/box

Precautions:

1. Is it necessary to add dividers or polyethylene foam;
2. Adhesion of labels, such as ROHS;