



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: _____

Product name: 2.4G PCB antenna 0.81 black line L=45MM with double clip
and adhesive backing

Customer Part
Number: _____

Manufacturers of
Material: XESANT12B13813

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2025.02.1 2

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: ☒new product ☐ product shanges

Admit that project: ☐acknowledgement ☐soecimen 10PCS

Admit that conclusion: ☐reception ☐refuse

Company address: Floor 3, Building D, No. 96 Lingxia Road, Fuyong Fenghuang
Fourth Industrial Zone, Baoan District, Shenzhen

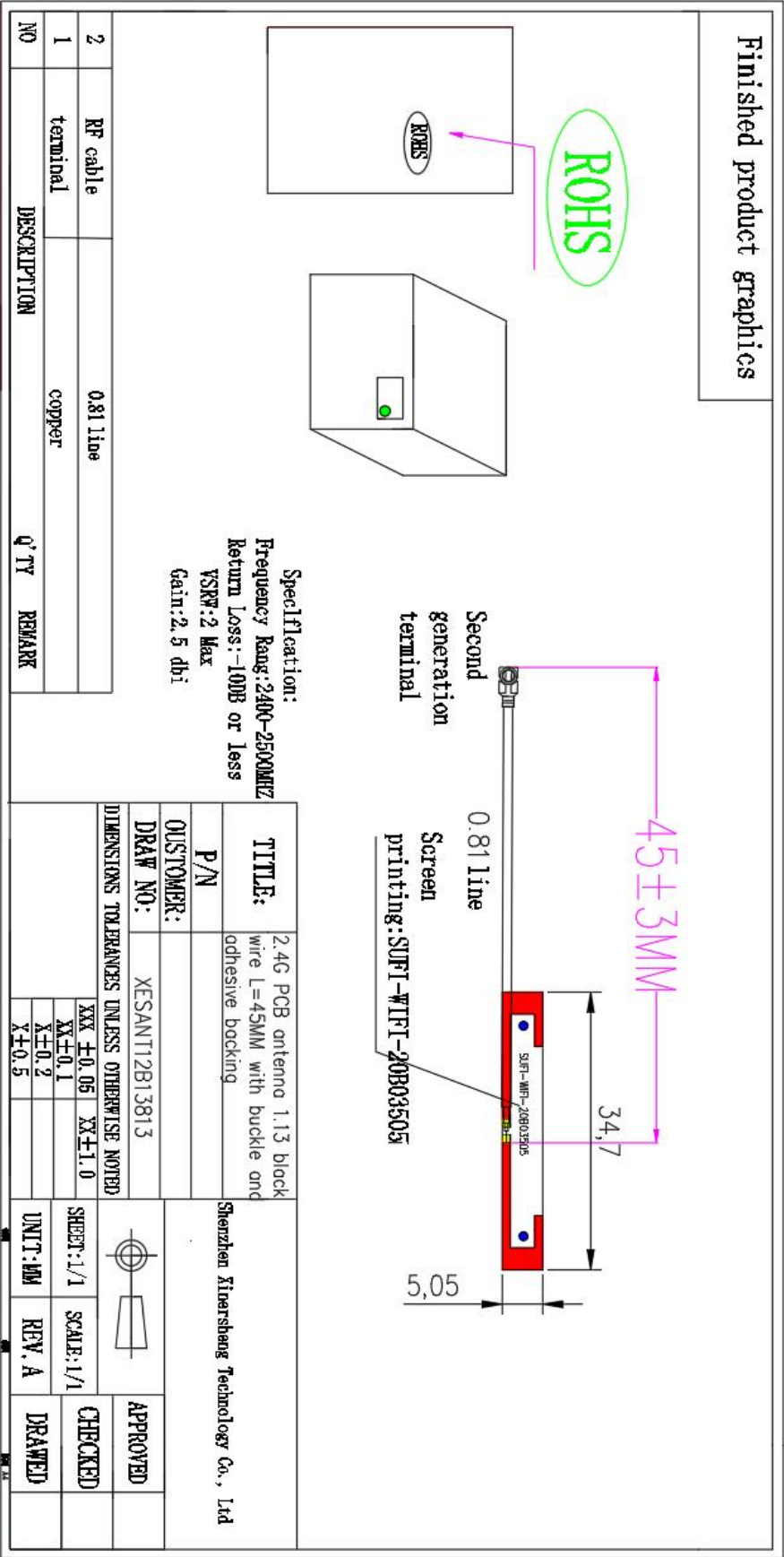
Phone number: 0755-33881455

Fax NO.: 0755-33233276

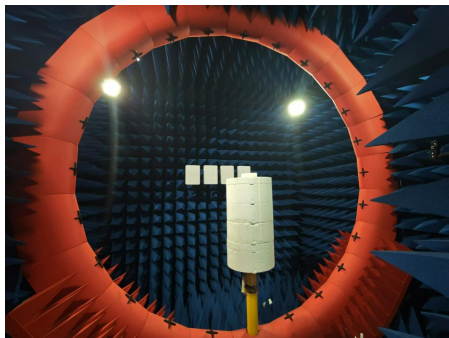
The main technical parameters of the product

Main technical specifications	
Frequency Range (MHZ)	2400-2500
Impedance (Ω)	50 ± 10
Gain (dBi)	2.68
ReTurnLoss (dB)	≤ -10
VSWR	≤ 2
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	PCB
Operating Temp	$-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C} - +70^{\circ}\text{C}$

Finished product drawings



Test equipment



OTA Test System

Brand: Feitu

Model: 5071C

Frequency range: 400MHz - 8.5GHz

Brand: Agilent

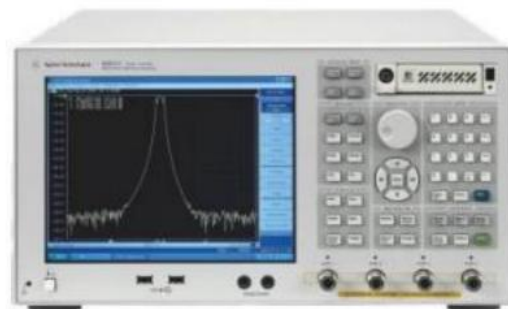
Size of the anechoic chamber: 4m * 4m * 4m

Frequency range: 9KHz - 8.5GHz

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

Functions: Antenna comprehensive passive tests for 2G/3G/4G, BT, WIFI, etc.

Functions: Passive and active tests; Tests for TRP and TIS of G network, C network, 2G/3G/4G, WIFI, BT and other standards.



Brand: Agilent

Model: 8960

Frequency range: 292MHz - 2700GHz

Function: It can meet the active tests for 2G and 3G.



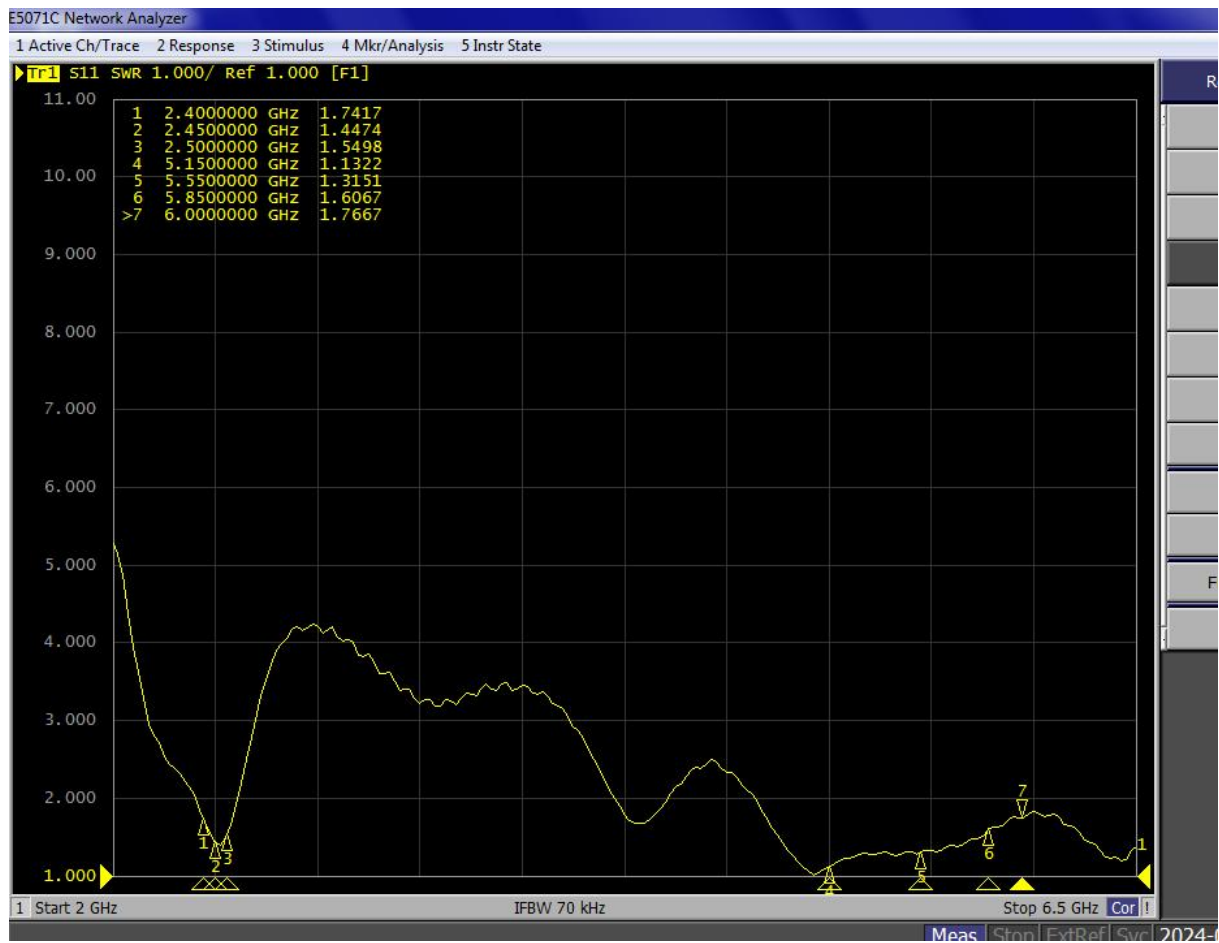
Brand: Rohde & Schwarz

Model: CMW500

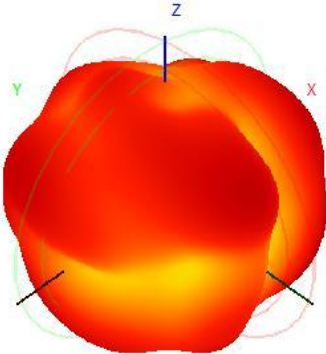
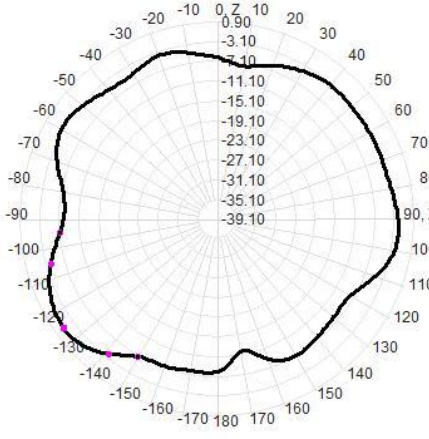
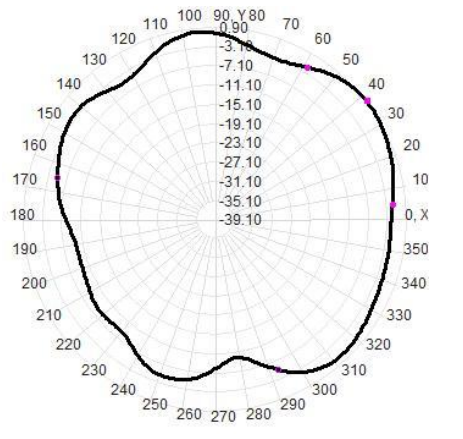
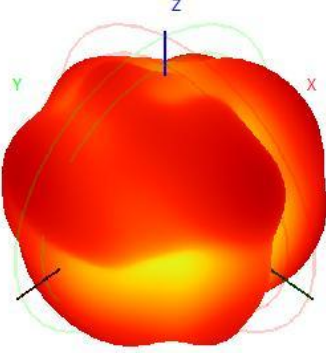
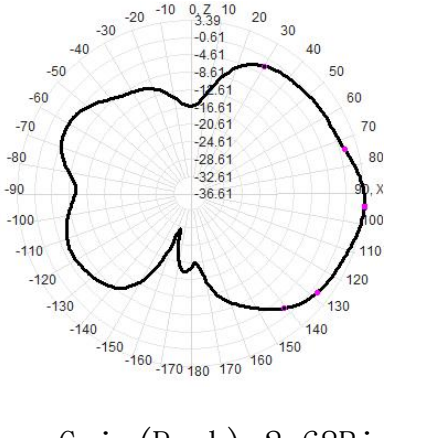
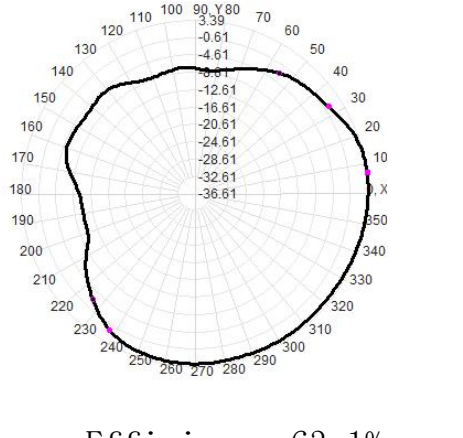
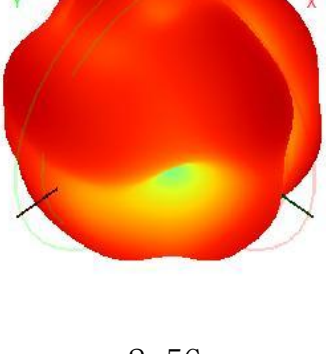
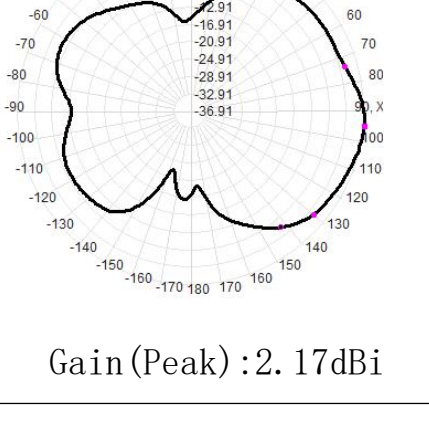
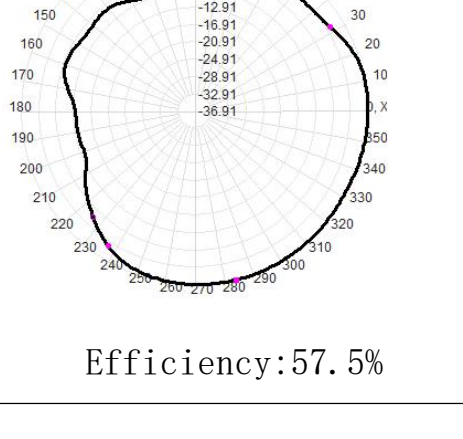
Frequency range: 70KHz - 6GHz

Function: Comprehensive active tests for antennas of 2G, 3G, 4G, BT, WIFI, NB-IoT and other standards

VSRW:



2D、3DRaditation Pattern

		
2.4G	Gain(Peak):2.21dBi	Efficiency:60.5%
		
2.45G	Gain(Peak):2.68dBi	Efficiency:63.1%
		
2.5G	Gain(Peak):2.17dBi	Efficiency:57.5%

Product Packaging Specification

Product Name/Specification

一、Label Requirements

Purchase Order Number	*****
Material Coding	*****
Name and Specification of the Goods	*****
Quantity/Unit	*****
Remarks	*****

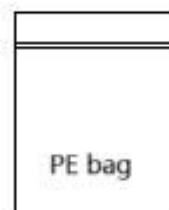
Purchase Order Number	*****
Material Coding	*****
Name and Specification of the Goods	*****
Quantity/Unit	*****
Remarks	*****

二、Packaging Requirements

Operation Instructions:

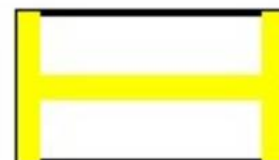
1、Inner Packaging:

100 pieces of products are packed in one small bag.



2、Outer Packaging

Determine the quantity per carton according to the actual quantity.



corrugated box

Matters Needing Attention:

1、Whether it is necessary to add partitions and pearl cotton.

2、Affixation of labels, such as ROHS labels, etc.

