



深圳市鑫尔盛科技有限公司

ShenZhen XinErSheng Technology Co.,Ltd

承认书

SPECIFICATION FOR APPROVAL

product name: 2.4GFPC antenna 0.81 line L=55MM without buckle (32*08)

Manufacturer part number: XESANT11B13620

Sample quantity: 5PCS

| make | audit | approve | dated |
|------|-------|---------|------------|
| Biao | Lisen | Amy | 2024.01.16 |

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Main technical parameters of the product

| Main technical specifications | |
|-------------------------------|-------------------------------------------|
| Frequency Range(MHZ) | 2400-2500 |
| Impedance(Ω) | 50 ± 10 |
| Gain(dBi) | 2.36 |
| ReTurnLoss(dB) | ≤ -10 |
| VSWR | ≤ 2 |
| Polarization | Linear Vertical |
| Connector Type | Weld |
| Physical Properties | |
| Antenna Base | FPC |
| Operating Temp | $-20^{\circ}\text{C}-+60^{\circ}\text{C}$ |
| Storage Temp | $-20^{\circ}\text{C}-+70^{\circ}\text{C}$ |

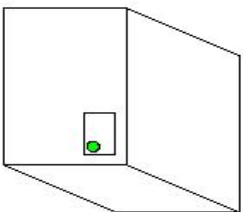
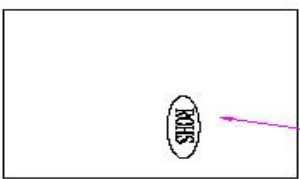
List of raw materials:

| Component number | component name | Raw material Main material | number | uni t | NOTE |
|------------------|----------------|---------------------------------------------------|--------|-------|------|
| 1 | FPC | Double-sided adhesive + Low loss black cover film | 1 | PCS | |
| 2 | 0.81 wire | 0.81 wire | 1 | PCS | |

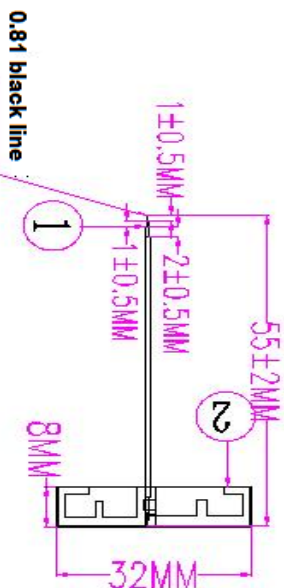
product drawing



ROHS environmental label






1. LPCS/ROHS label should be attached to the outer box label
2. The outer box should be affixed with 1PCS/ outer box label on the upper right corner of the outer box side mark



Specification:
 Frequency Rang: 2400-2500MHZ
 Return Loss: -10DB or less
 VSWR: 2.0 Max
 Gain: 2.36 dBi

| | | | |
|----|-------------------------|-----|--------|
| NO | DESCRIPTION | QTY | REMARK |
| 2 | PPC 9471 adhesive paper | 1 | |
| 1 | Cable 0.81 black line | 1 | |

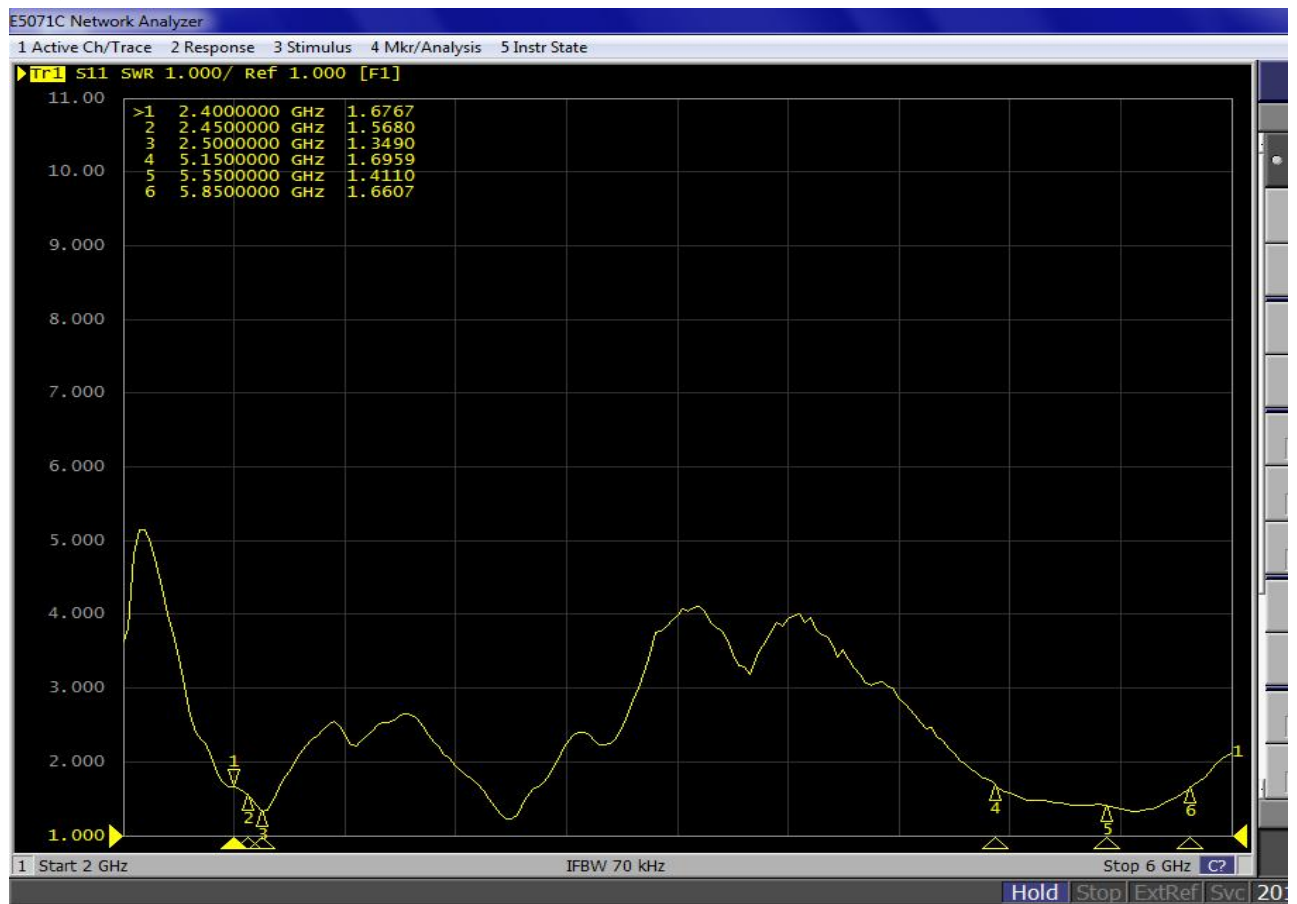
| | | | |
|----------------------------------------------|-------------------------------------------------------------------------------------|----------|--------|
| TITLE: | 2.4G FPC antenna 0.81 line L=55mm without buckle (3208) | | |
| P/N | | | |
| CUSTOMER: | | | |
| DRAW NO: | XESANT11B13620 | | |
| DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED | | | |
| 公差 | XX ±0.05 | XX ±1.0 | |
| 一般公差 | XX ±0.1 | | |
| TOLERANCE | XX ±0.2 | | |
| | XX ±0.5 | | |
| APPROVED |  | | |
| CHECKED |  | | |
| DRAWED |  | | |
| SHEET: 1/1 | SCALE: 1/1 | UNIT: MM | REV: A |

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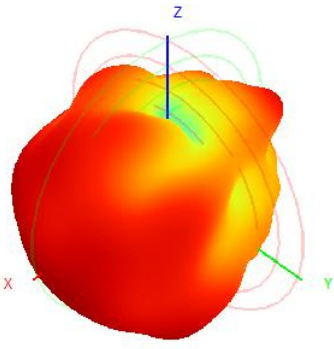
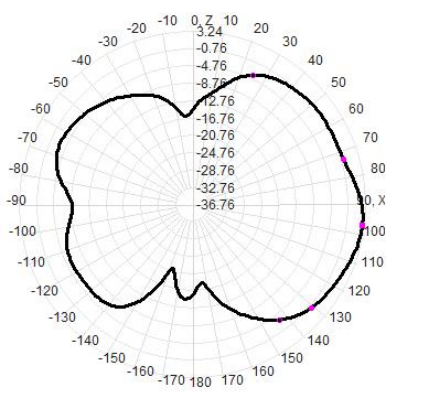
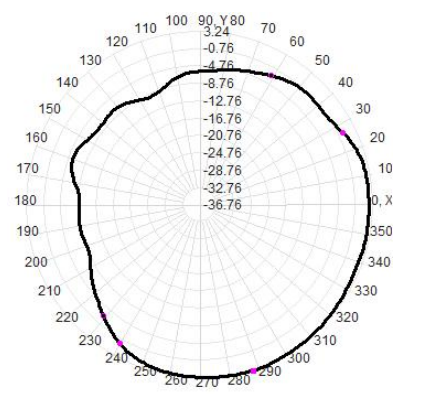
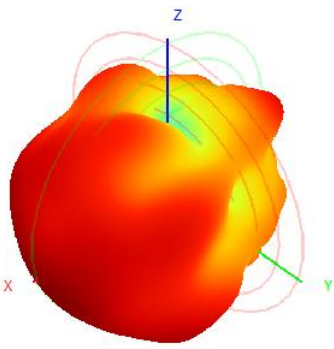
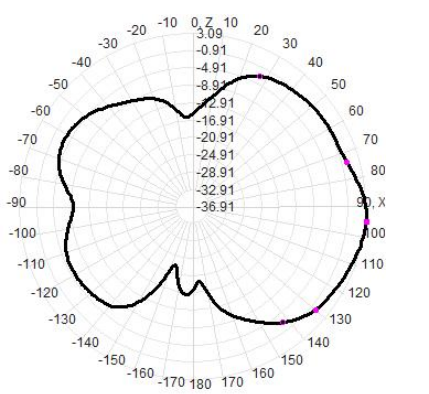
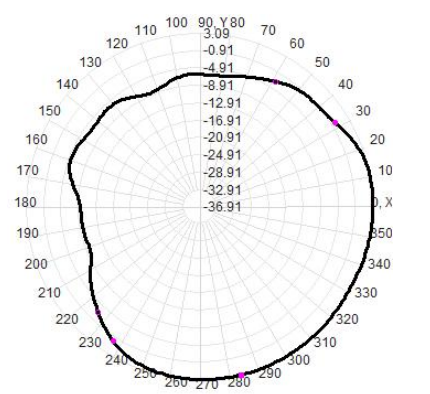
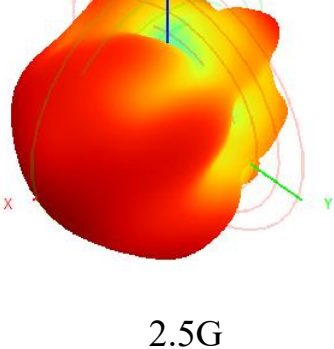
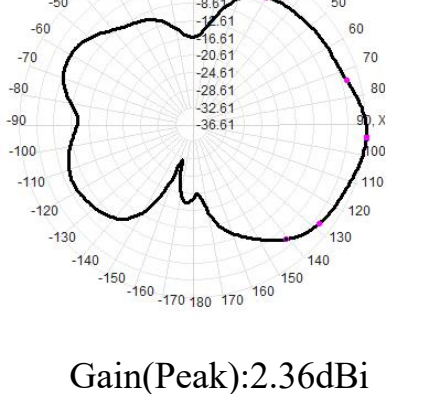
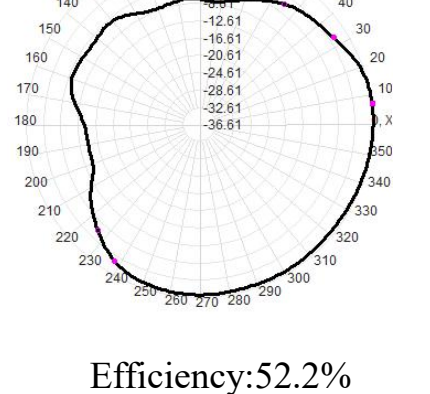


Network analyzer Test Report:

VSWR:



2D、3DRaditation Pattern

| | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| <p>2.4G</p> | <p>Gain(Peak):2.13dBi</p> | <p>Efficiency:51.4%</p> |
|  |  |  |
| <p>2.45G</p> | <p>Gain(Peak):2.21dBi</p> | <p>Efficiency:52.6%</p> |
|  |  |  |
| <p>2.5G</p> | <p>Gain(Peak):2.36dBi</p> | <p>Efficiency:52.2%</p> |