



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: _____

Product name: SF-WTFI120F4212 2.4G FPC antenna 1.13 Gray L=50mm

Customer Part
Number: _____

Manufacturers of
Material: CP02035

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2023.07.15

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

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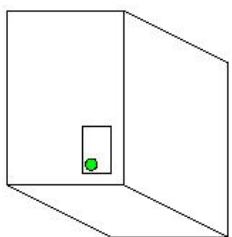
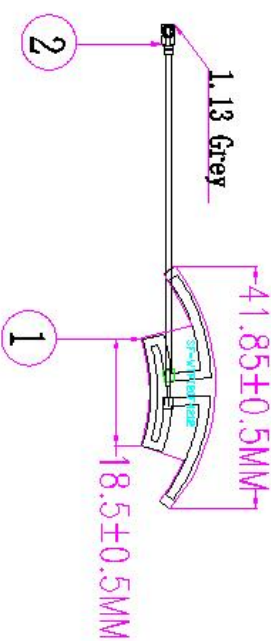
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500
Gain (dBi)	2.5±0.5dBi
Impedance(Ω)	50±10
ReTurnLoss(dB)	≤-10
VSWR	≤1.92
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	FPC
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

List of raw materials:

Serial number	Name	Texture	Quantity	Unit	Remark
1	FPC	9471 gummed paper	1	PCS	
2	Wire rod	1.13 Gray	1	PCS	

Product drawing

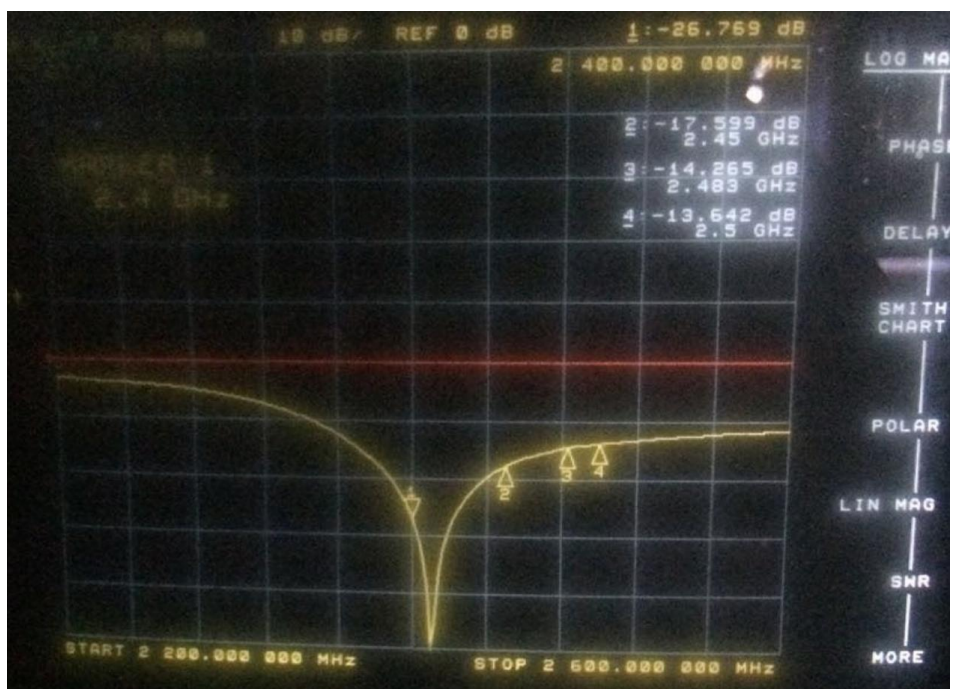
Product drawing			
  		Specification: Frequency Rang:2400-2500MHZ Return Loss:-10DB or less VSWR"1.92 Max Gain:2.5 dbi	
		Specfication: Frequency Rang:2400-2500MHZ Return Loss:-10DB or less VSWR"1.92 Max Gain:2.5 dbi	
6			
5			
4			
3			
2	Cable	1.13 Grey	1
1	FPC	9471 ginned paper	1
NO	DESCRIPTION	QTY	REMARK
TITLE: SF-WTF1120F4212 2.4G FPC antenna 1.13 Gray L=50mm		ShenZhen XinErSheng Technology Co.,Ltd	
P/N		APPROVED	
CUSTOMER:		CHECKED	
DRAW NO: CP02035		DRAWN	
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED		SHEET:1/1 SCALE:1/1	
TOLERANCE		UNIT:MM REV. A	
XXX ±0.05 XX±1.0		UNIT:MM REV. A	
XX±0.1		UNIT:MM REV. A	
X±0.2		UNIT:MM REV. A	
X±0.5		UNIT:MM REV. A	

Network analyzer test report:

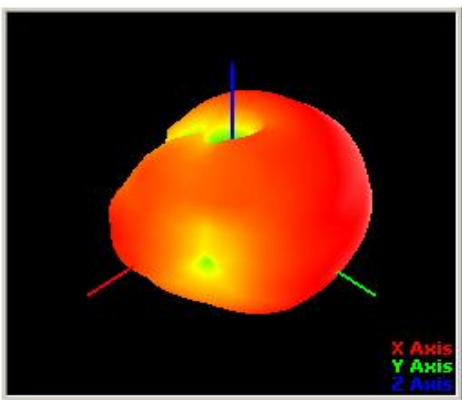
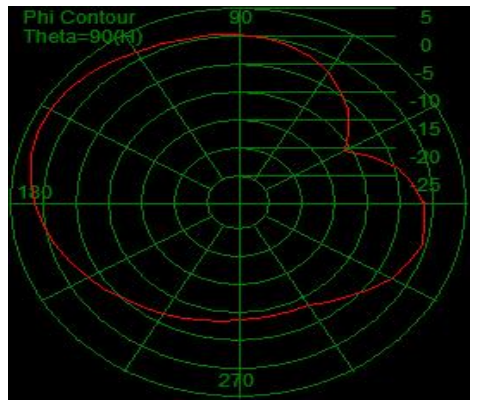
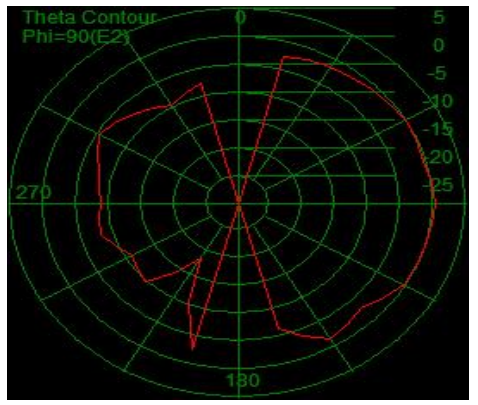
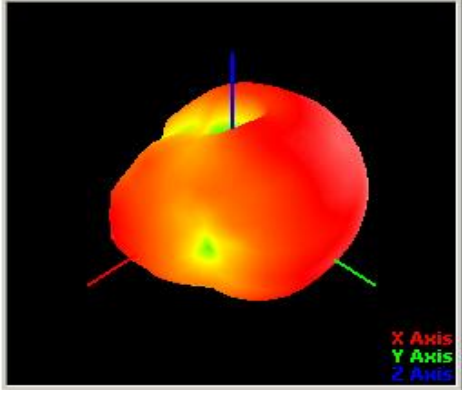
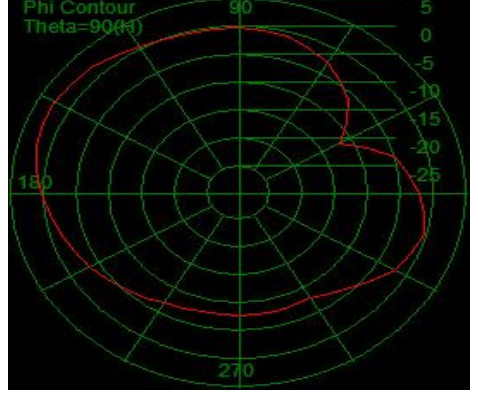
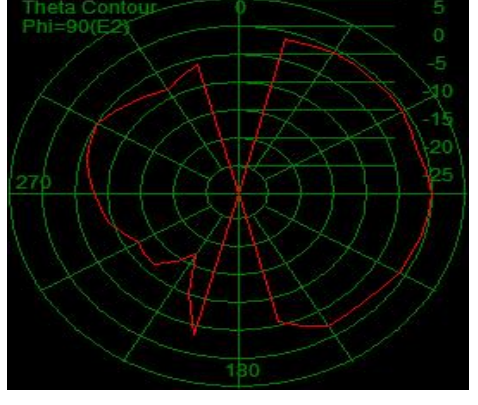
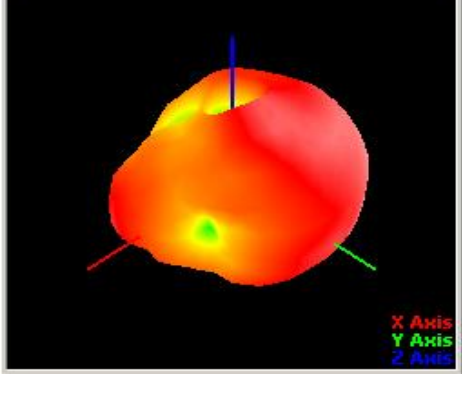
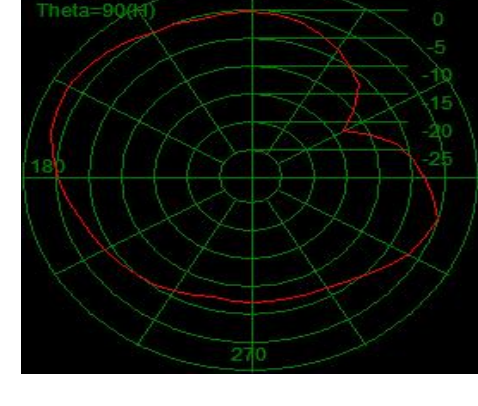
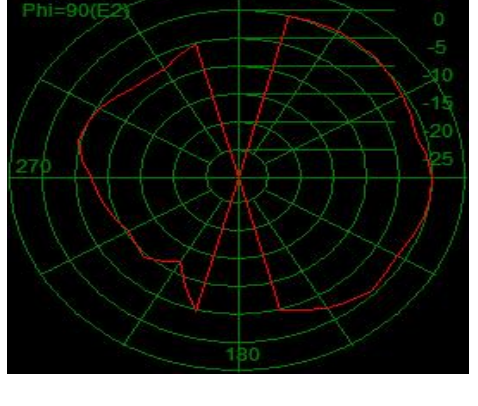
1. SWR:



2. return loss



2D、3DRaditation Pattern

		
2.4G	Gain(Peak):2.58dBi	Efficiency:54.5%
		
2.45G	Gain(Peak):2.72dBi	Efficiency:56.7%
		
2.5G	Gain(Peak):2.67dBi	Efficiency:59.3%