



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: _____ / _____

Product name: _____ 2.4GHz FPC Antenna _____

Customer Part
Number: _____

Manufacturers of
Material: _____ SFANT12E1239 _____

Deliver quantity: _____ 5PCS _____

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

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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	≤2
Admitted Power	1W
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	Copper
Operating Temp	-20℃-+60℃
Storage Temp	-20℃-+70℃

List of raw materials:

Serial number	Name	Texture	Quantity	Unit	Remark
1	FPC	9471 gunmed paper	1	PCS	
2	IPEX	Copper	1	PCS	
3	1.13 wire	1.13 Black wire	1	PCS	

Product drawing

成品图

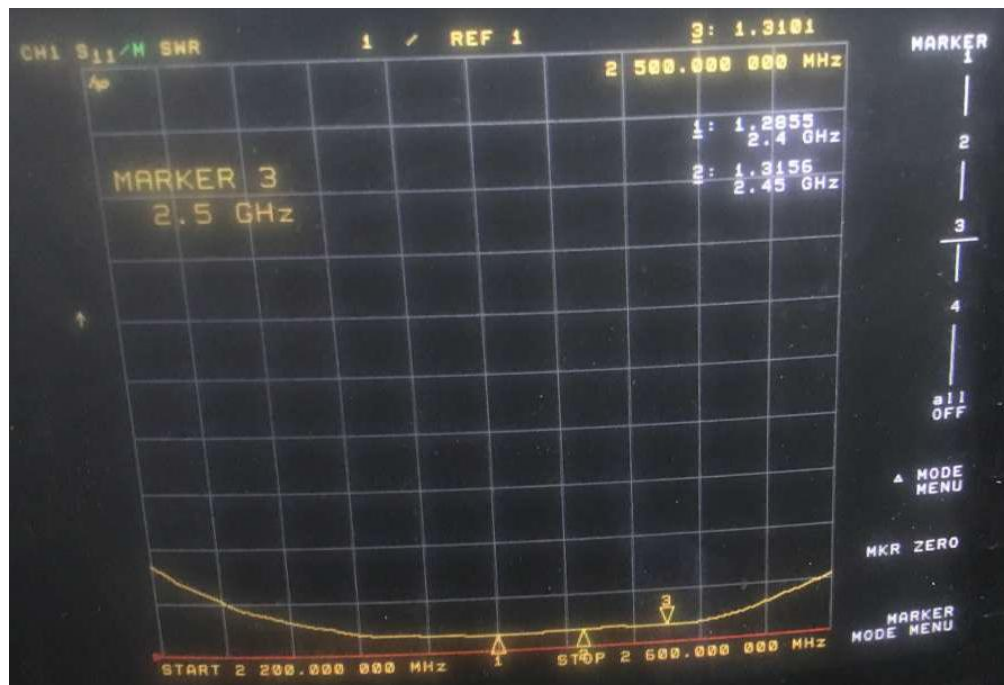
NO	DESCRIPTION	QTY
1	Spring	1
	Carbon steel	

Specification:
Frequency Rang:2400-2500MHZ
Return Loss:-10DB or less
VSWR: 2.0 Max
Gain:2.5 dbi

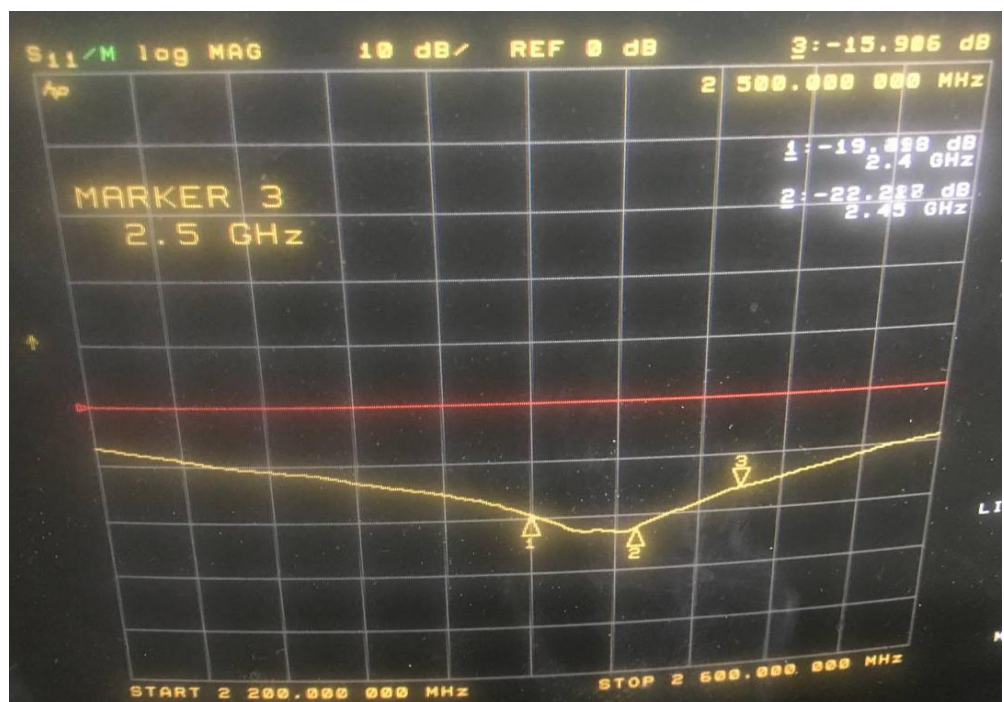
TITLE: 2.4G copper wire antenna		ShenZhen XinErSheng(SuFei) Technology Co.,Ltd			
P/N					
CUSTOMER:					
DRAW NO: SPANT12E1239					
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED					
TOLERANCE	XXX ±0.05	YY ±1.0			
	XX ±0.1				
	X ±0.2				
	X ±0.5				
SHEET: 1/1		SCALE: 1/1			
UNIT: MM		REV. A			
APPROVED		CHECKED			
DRAWED					

Network analyzer test report:

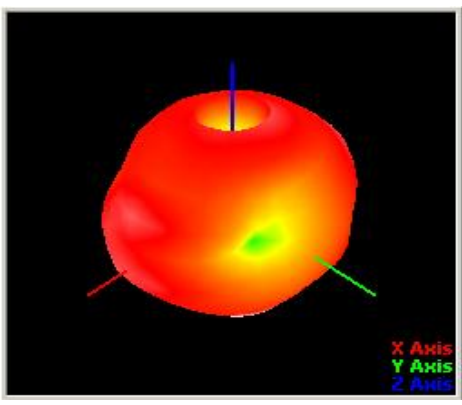
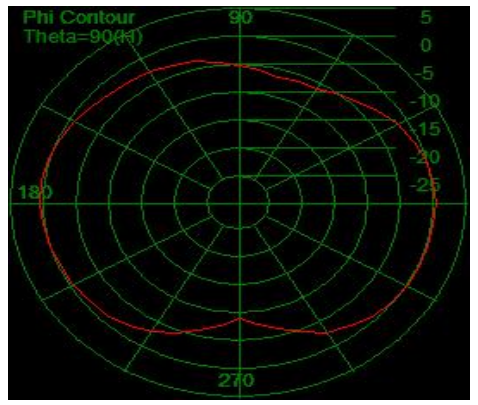
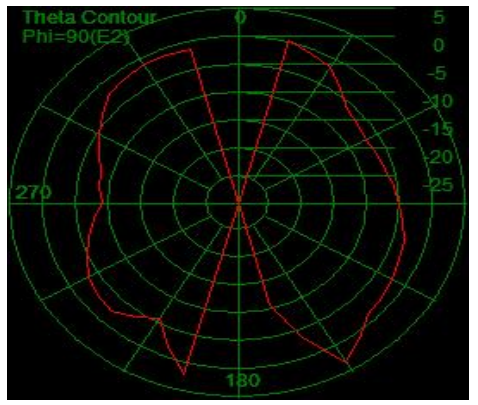
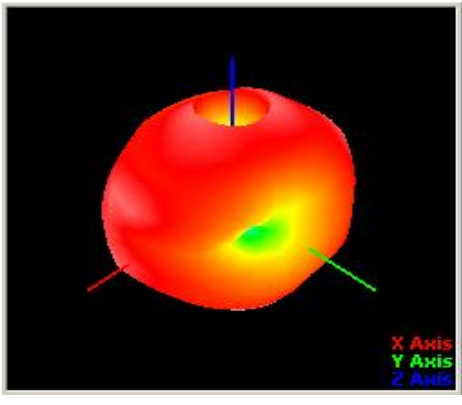
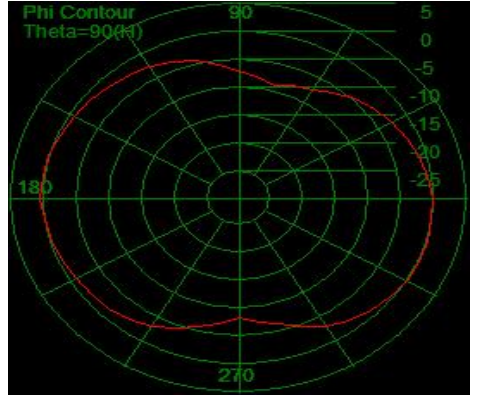
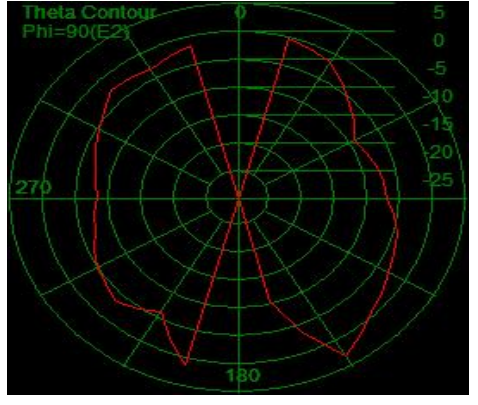
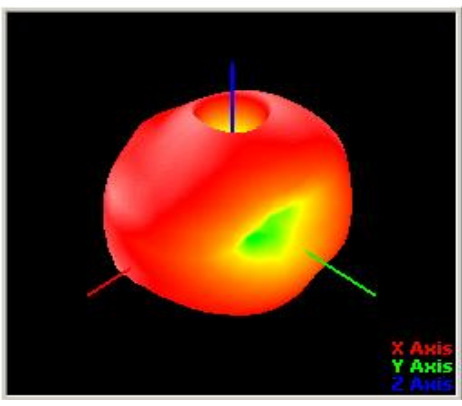
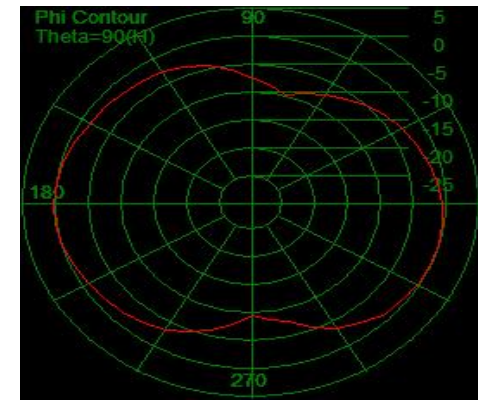
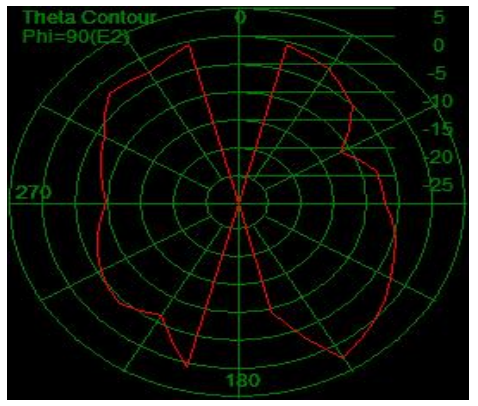
1. SWR:



2. return loss



2D、3DRaditation Pattern

 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.4G	Gain(Peak):2.51dBi	Efficiency:53.76 %
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.45G	Gain(Peak):2.84 dBi	Efficiency:59.79 %
 X Axis Y Axis Z Axis	 Phi Contour Theta=90(φ1)	 Theta Contour Phi=90(E2)
2.5G	Gain(Peak):2.95dBi	Efficiency:64.24 %