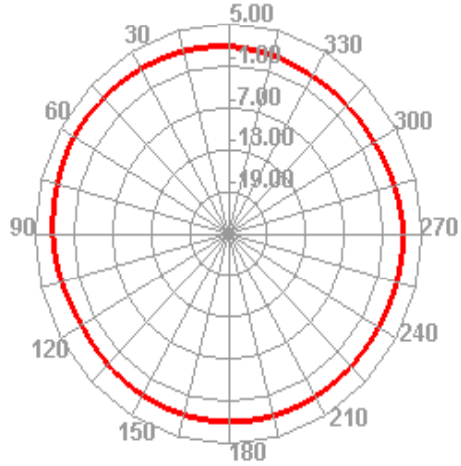
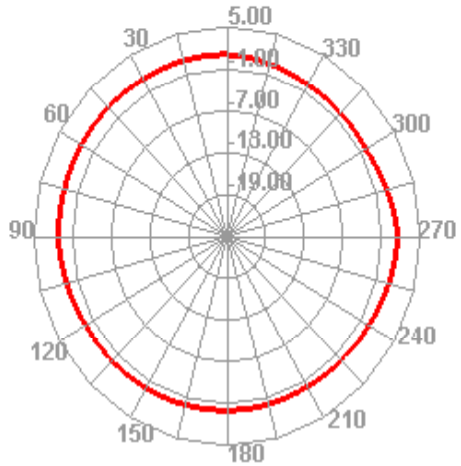


### 2400.000MHz H

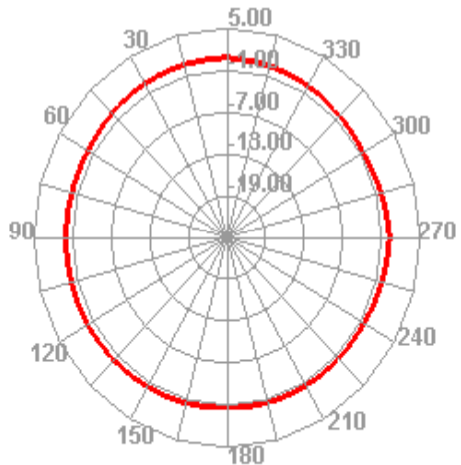


Item	Description
Type of antenna	Dipole
Antenna Gain and Direction	Antenna gain: 2dBi Direction: Omnidirection
Antenna polarization	Horizontal
Antenna attachment type	Fixed
Antenna manufacture	RDI Technology (Shenzhen) Co.,Ltd
Antenna model	03-06-02-097LF

### 2450.000MHz H



### 2500.000MHz H





腾祥电子  
TENGXIANG ELECTRONIC

# Tengxiang Technology.Inc

Product Number: AN2400-FPC080B

Product Name: 2.4GHz Antenna

## Specification For Approval

Customer: \_\_\_\_\_ RDI

Customer P/N: \_\_\_\_\_

Tengxiang P/N: **AN2400-FPC080B**  
\_\_\_\_\_

Description : **2.4GHz Antenna**  
\_\_\_\_\_

Tengxiang Checked By:	Customer Approved By:



腾祥电子  
TENGXIANG ELECTRONIC

# Tengxiang Technology.Inc

SHA QU NO. 35 Industrial Sha-Tou Administration Zone, Chang-An Town, Dong-Guan City, Guangdong Province, China

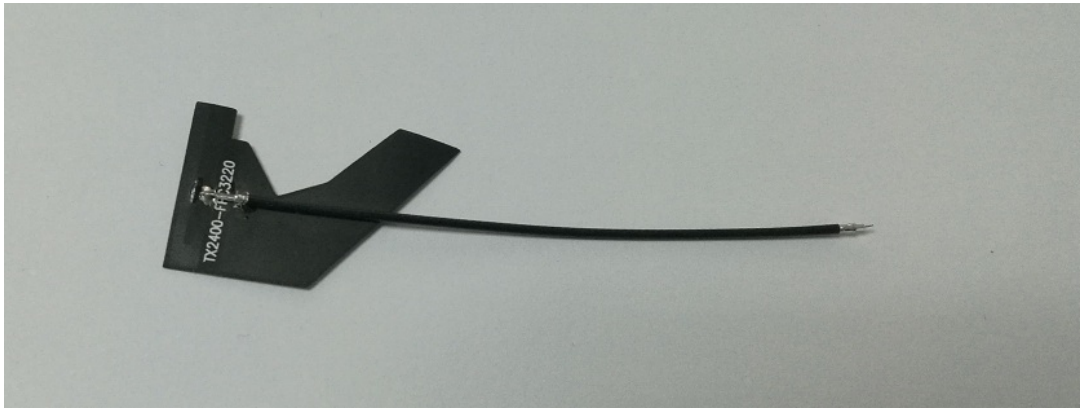
TEL:86-769-81873082 FAX:86-769-82663788

<http://www.tenxiang.cn>

Product Number: AN2400-FPC080B

Product Name: 2.4GHz Antenna

## 1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	$\leq 2.0$
Antenna Gain	2.0dBi
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Cable Type	OD 1.13mm
Connector Type	/
Connector Pull Test	/
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C

## 2. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification
M1	Vibration	GB / T2423 . 48-1997	1. No Visual Damage



# Tengxiang Technology.Inc

Product Number: AN2400-FPC080B

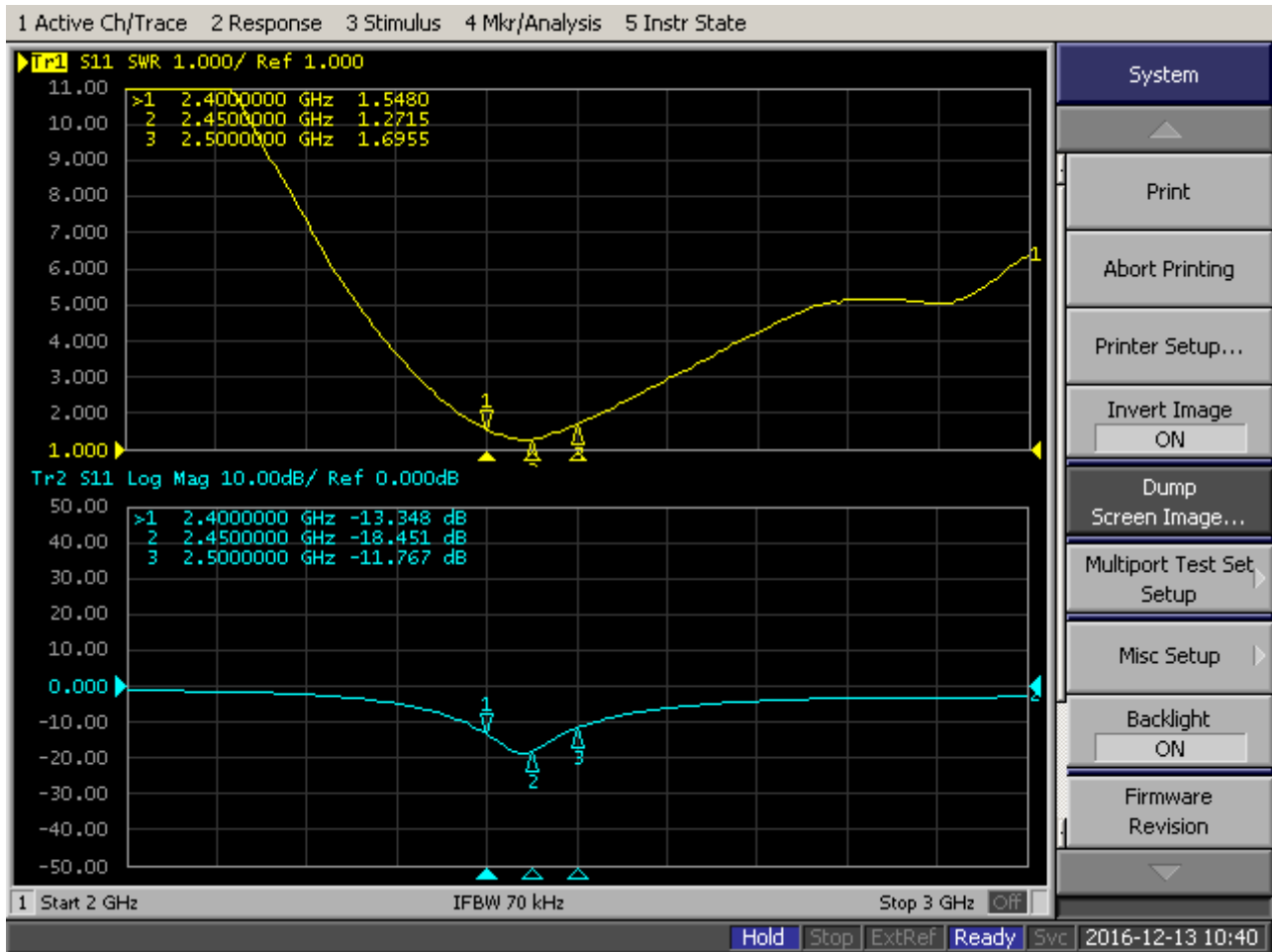
Product Name: 2.4GHz Antenna

		Amplitude: 0.03 inch (1.5mm); Freq: 20 to 80 to 20 Hz 3 directions; 2 hours for each direction	2. Frequency Tol.<= 5%
M2	Random Drop	GB / T2423.8-1995 Height: 1.0 Meter; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%
M3	Solderability	GB 2423 . 28- 82 Solder iron: 260±5°C; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M4	Terminal-Pull Test	Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M5	Terminal-Torque Test	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M6	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification
E1	Salt Spray	GB / T 2423 . 17- 93 Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	GB / T 2423 . 4 - 93 Temp: 80°C / 12 H; -40°C / 12H RH: >= 90%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E3	Thermal Shock	GB / T 2423 . 22 - 87 1 Cycle: - 40°C (30 minutes) to + 80°C (30 minutes) Cycles: 24	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E4	Life (High Temp.)	GB / T 2423 . 2 - 89 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2011/65/EU
R2	PFOS	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC
R3	PFOA	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC

Product Number: AN2400-FPC080B

Product Name: 2.4GHz Antenna

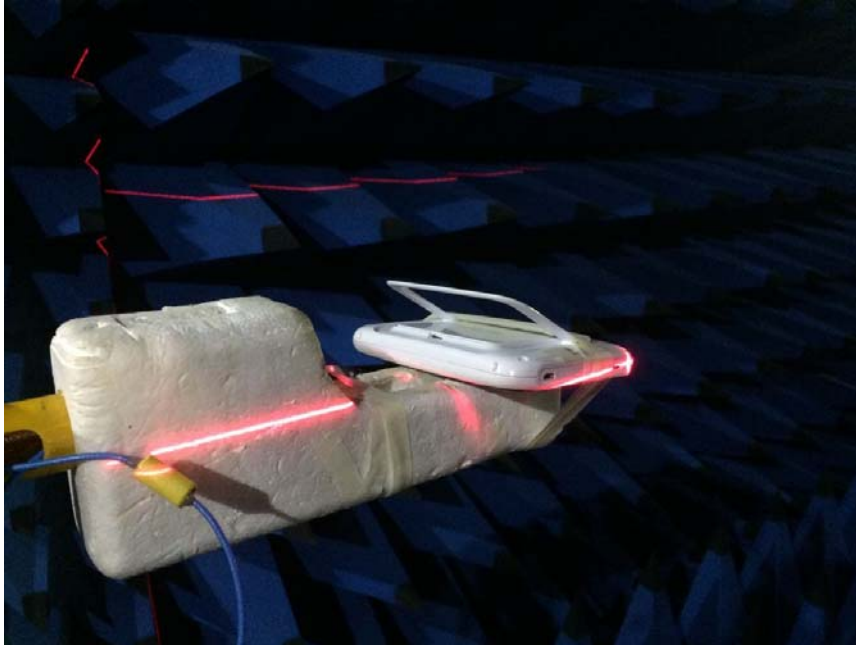
## 3. Antenna - S Parameter Test Data



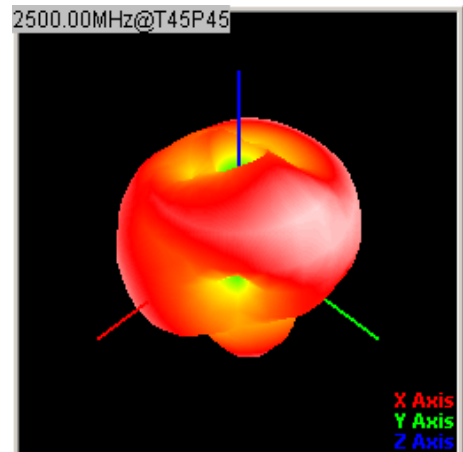
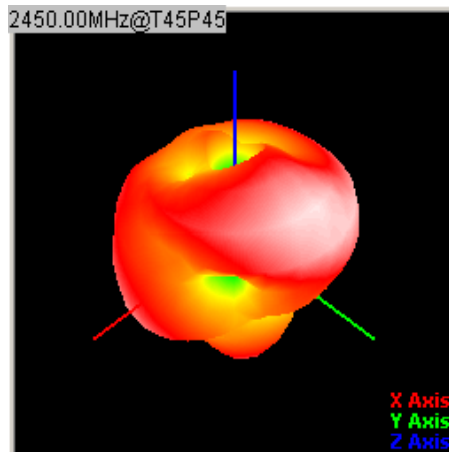
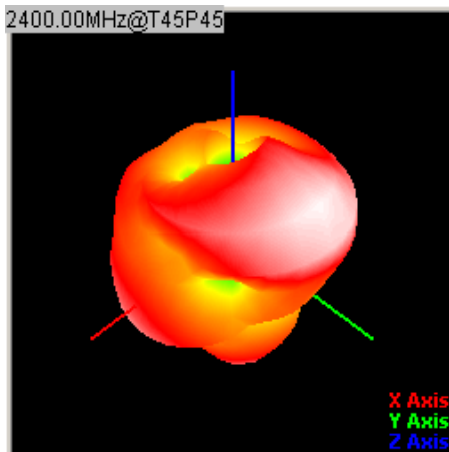
Product Number: AN2400-FPC080B

Product Name: 2.4GHz Antenna

## 4. Antenna - Radiation Pattern Test Data



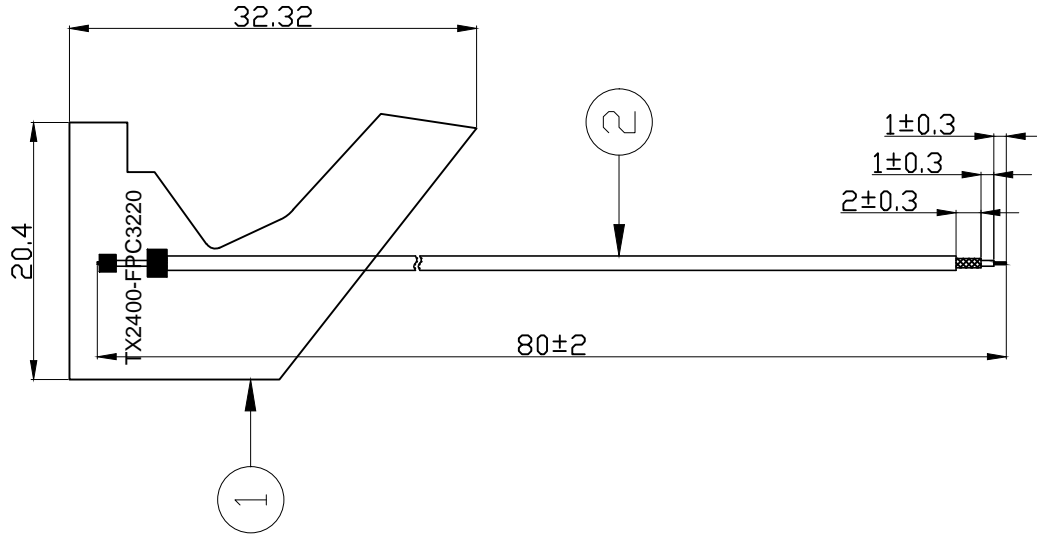
Frequency (MHz)	2400.0	2450.0	2500.0
Efficiency (%)	55.60	48.00	48.90
Gain (dBi)	2.14	1.57	1.54





## 5. Mechanical Drawing See attached files

# RoHS

## Compatible



-  布线区
-  焊接区(沉铜)

Note:

1. Dimension: Take \* is the important dimension
2. Tolerance: Unmarked tolerance refer to the standard tolerance please

2	CB-113BS	Cable	Ø1.13mm,Black	1	
1	AN2400-FPC3220	PFC	Black	1	
No.	Part Number	Description	Material	Finished	Q'ty

SIGN	DATE	DESCRIPTION	APPROVER
A			
A			
A			



### Tengxiang Technology Inc.

TITLE: 2.4GHz FPC Antenna

PART NO.: AN2400-FPC080B	DWG NAME: AN2400-FPC080B.dwg			
APP BY: YCX	CHK BY: Peak	RF BY: WJ	DES BY: CJ	Tolerance: X.X ±0.3 X.XX ±0.1 X° ±1°
2016.12.09	2016.12.09	2016.12.09	2016.12.09	REVISION: A

# 產品包裝規範

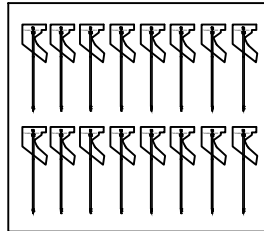
## PACKING CRITERION

Date: 2016.12.09

Page: 1 of 1

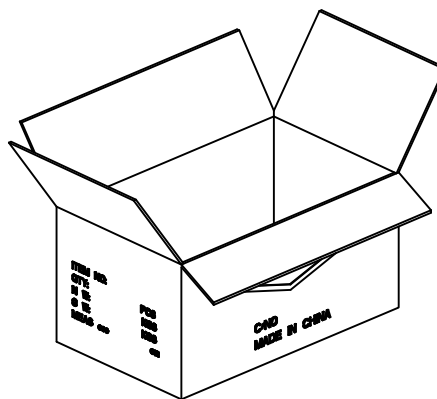
Part Number : AN2400-FPC080B	Revision : A
Name: 2.4GHz FPC Antenna	Customer : ALL

1 . Enter PE bag.



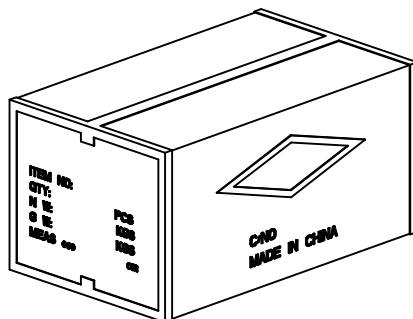
100pcs/ PE bag  
須貼“內標貼”

2.PACKING ◦

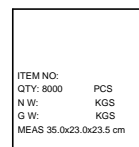


Size:35.0x23.0x23.5cm  
8000pcs/Carton

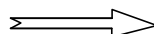
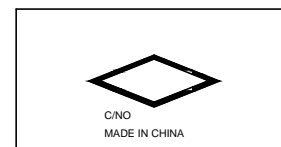
3. SEALING ◦



SIDE



FRONT



APPROVED BY : YCX

CHECKED BY : Peak

DESIGNED BY : CJ