

# BT FPC Antenna (E072-R-V9)

## 1. Explanation of Product Number

S	2	B	4	B	B	1	F	1	B	1	4	0	0	0
				(1)	(2)	(3)	(4)	(5)						



### Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1: 20.70\*8.24\*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

## 2. Features

Tolerances (Unless otherwise specified) X : $\pm 1$ X.X : $\pm 0.1$ X.XX : $\pm 0.01$ Angle : $\pm$ Hole Dia. : $\pm$	深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
Scale :	Unit: mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION	
Drawn By : Andy	Checked By : Simon		
Designed By :Simon	Approved By :Simon		
TITLE: BT FPC Antenna(E072-R-V9)		PART NO.	REV.
		S2B4BB1F1B14000	A
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- \*Stable and reliable in performances
- \*RoHS compliance
- \*Low cost

### 3. Applications

\*BT

### 4. Description

\* YINGFENG FPC antenna series are specially designed for 2.4G-2.5G band application. Based on YINGFENG proprietary designs and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

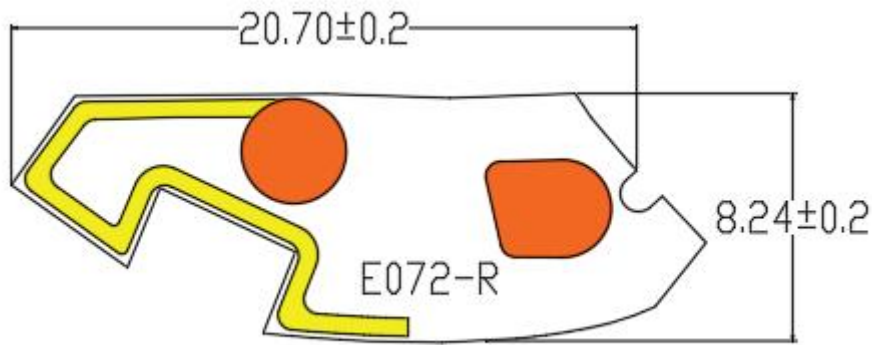
### 5. Antenna Electrical Specifications :

Characteristics	Specifications			Unit
Outline Dimensions	20.70*8.24*0.15			mm
Frequency	2400~2500			MHz
Impedance	50			$\Omega$
Polarization	Linear Polarization			
Return Loss Table	Return Loss			
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz	
dB	-15.55	-27.39	-20.79	
VSWR Table	VSWR			
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz	
	1.40	1.08	1.20	
GAIN Table	Total Gain = Xpol + Ppol			
Freq.Band	2400MHz	2450MHz	2480MHz	
Peak Gain(dBi)	1.38	1.68	1.52	

### 6. Dimensions (unit: mm)

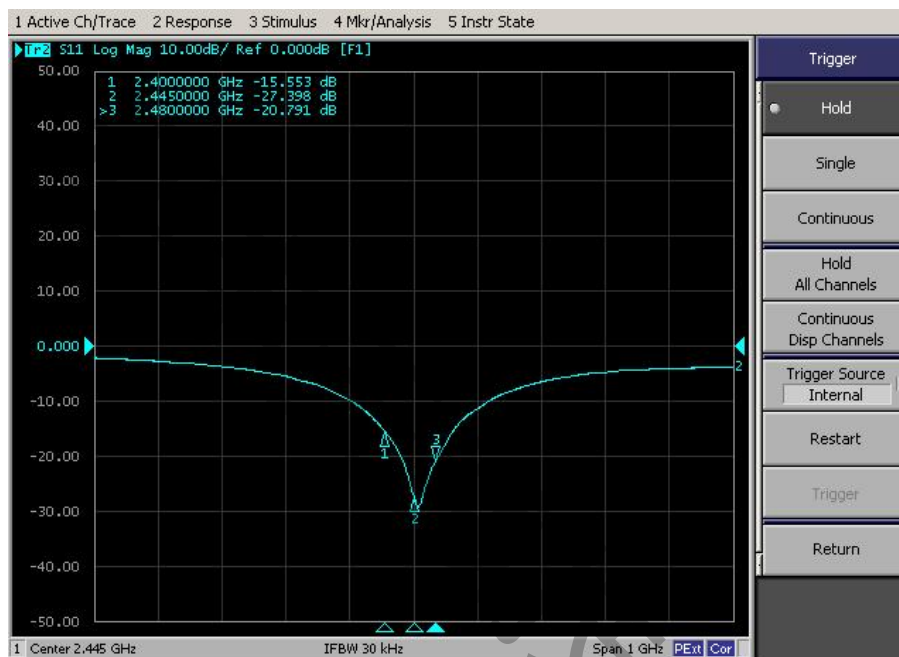
blic errand:  $\pm 0.2\text{mm}$

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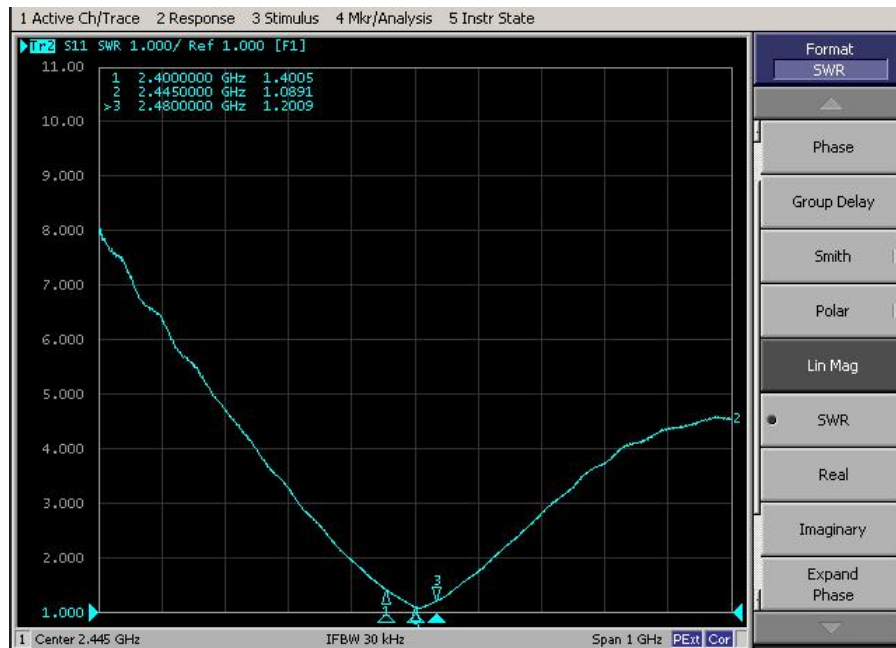
## 7. Measurement Characteristics:

### (1) Return Loss

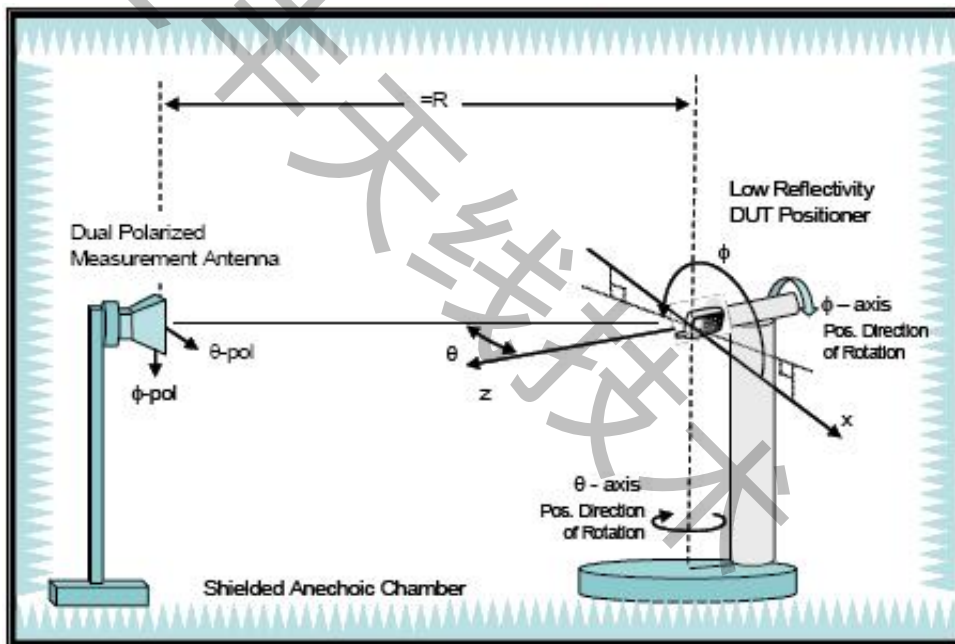


### (2) VSWR

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			<b>REV.</b> <b>A</b>
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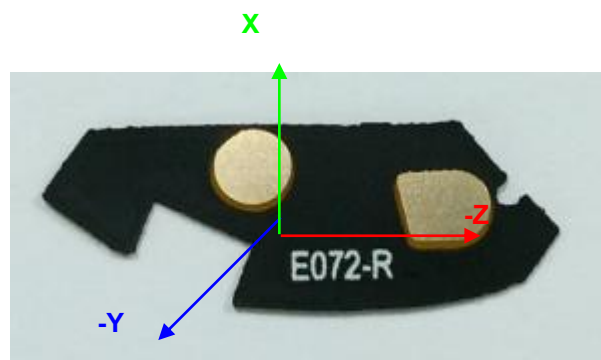
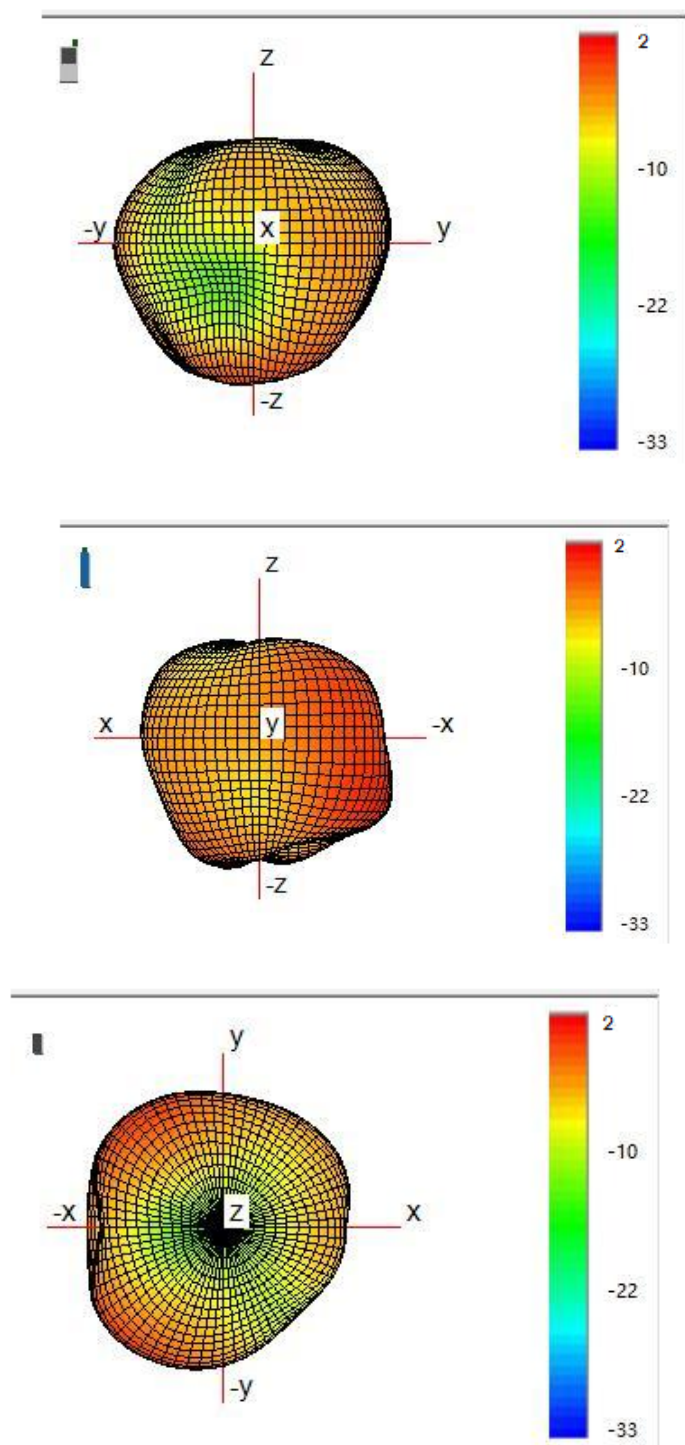
## 8. Three D Radiation Pattern measurements



## 9. Radiation Pattern

<b>Tolerances (Unless otherwise specified)</b> X : $\pm 1$ X.X : $\pm 0.1$ X.XX : $\pm 0.01$ Angle : $\pm$ Hole Dia. : $\pm$		<b>深圳市迎丰天线技术有限公司</b> <b>SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO., LTD</b>	
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### 9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



### 9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

Tolerances (Unless otherwise specified)  
X :  $\pm 1$       X.X :  $\pm 0.1$       X.XX :  $\pm 0.01$   
Angle :  $\pm$       Hole Dia. :  $\pm$

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### 9-3.complete machine Efficiency Table

Frequency(MHz)	2400	2450	2480
Efficiency (%)	35.07	38.25	38.00
Gain (dBi)	1.38	1.68	1.52

### 10-1 产品包装 Product packaging

版本 edition:: V9.0	页码 Page: 1/1
1.产品排版: 28*4=112PCS	2.离型纸隔层摆放保护天线 Barrier paper protection products
	
3.密封袋封装效果 Sealing bag packaging effect	4.纸箱封箱效果(贴出货标签和 ROHS 标签 Carton sealing effect
	

### 10-2.Revision Control:

Revision	Date	Content	Remark
A	2025-04-09	New Issued.	N/A

#### Tolerances (Unless otherwise specified)

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Angle :  $\pm$       Hole Dia. :  $\pm$

Scale :      Unit: mm

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