

# BT FPC Antenna (E072-L-V9)

## 1. Explanation of Product Number

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



### Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1: 20.67\*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 TECHNOLOGY CO., 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-L-V9)		PART NO.	REV.
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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.

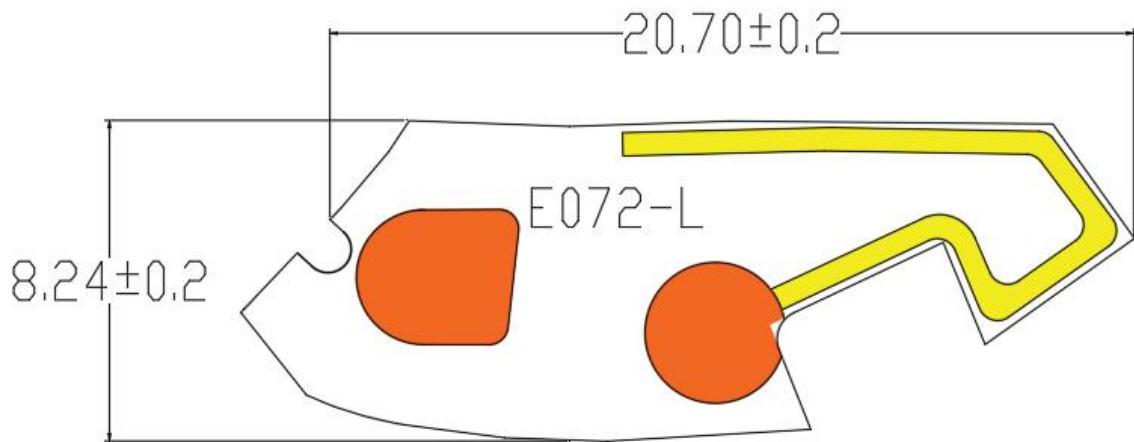
### 5. Antenna Electrical Specifications :

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	-17.17	-36.47	-21.06	
VSWR Table	VSWR			
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz	
	1.32	1.03	1.19	
GAIN Table	Total Gain = Xpol + Ppol			
Freq.Band	2400MHz	2450MHz	2480MHz	
Peak Gain(dBi)	1.41	1.63	1.84	

### 6. Dimensions (unit: mm)

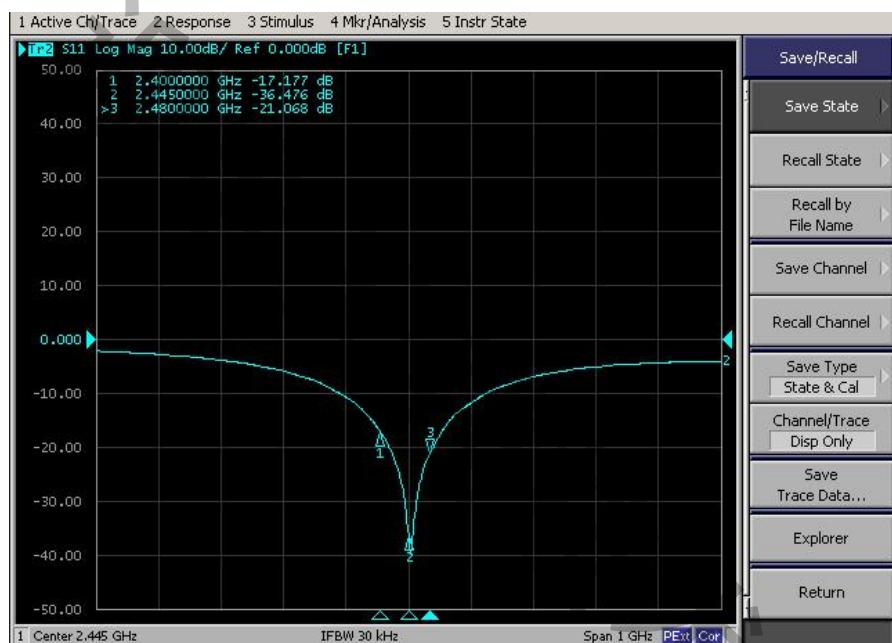
ublic errand:  $\pm 0.2\text{mm}$

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## 7. Measurement Characteristics:

### (1) Return Loss



### (2) VSWR

**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 TECHNOLOGY CO., LTD

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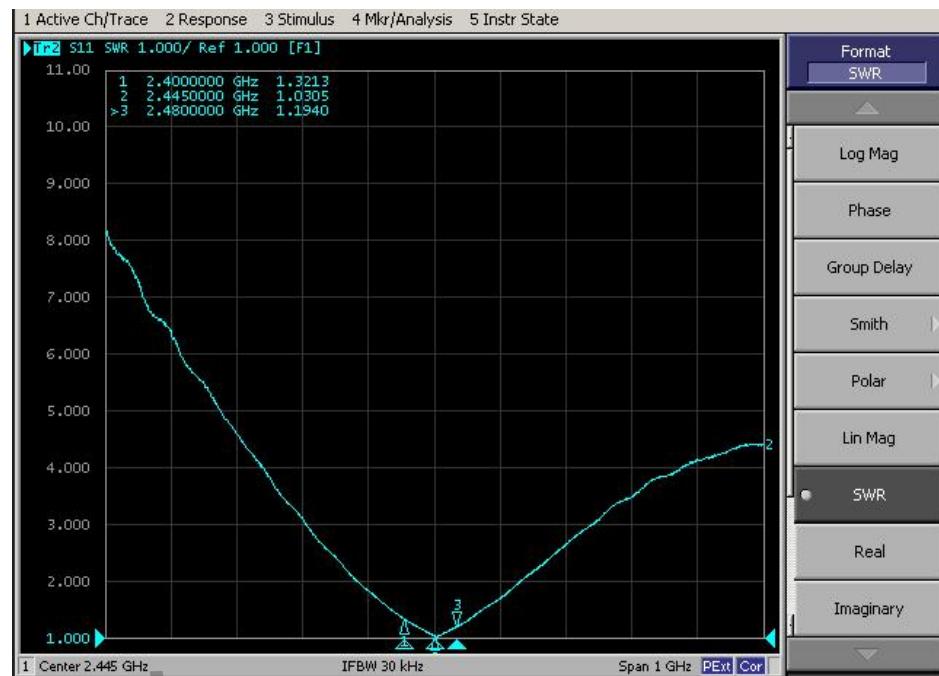
**TITLE: BT FPC Antenna(E072-L-V9)**

**PART  
NO.**

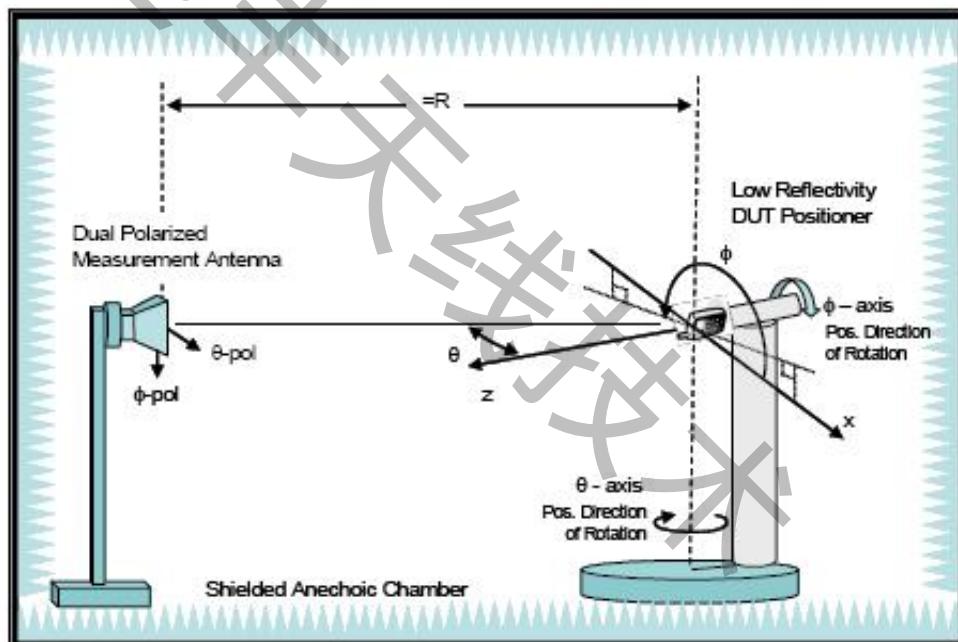
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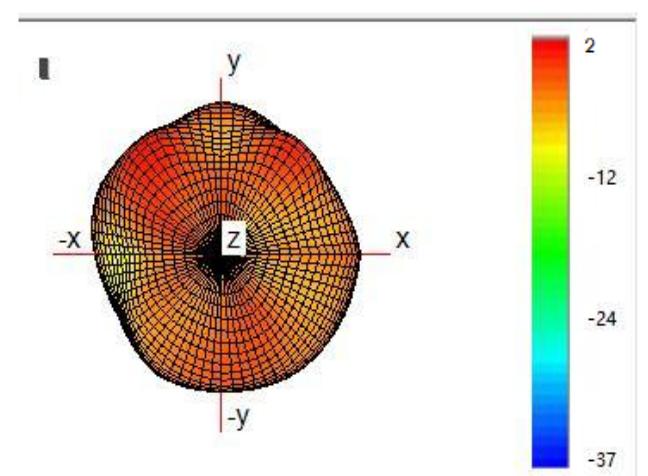
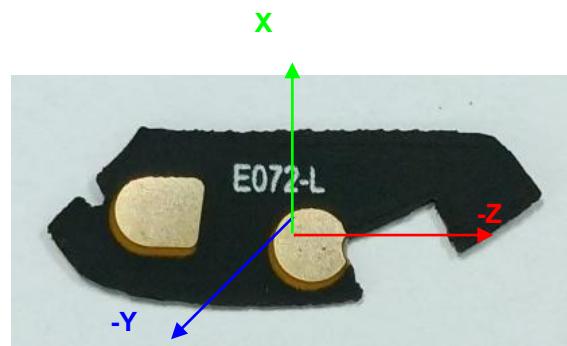
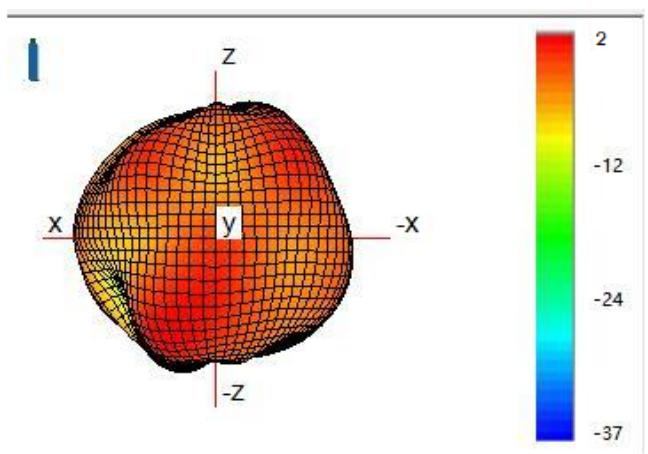
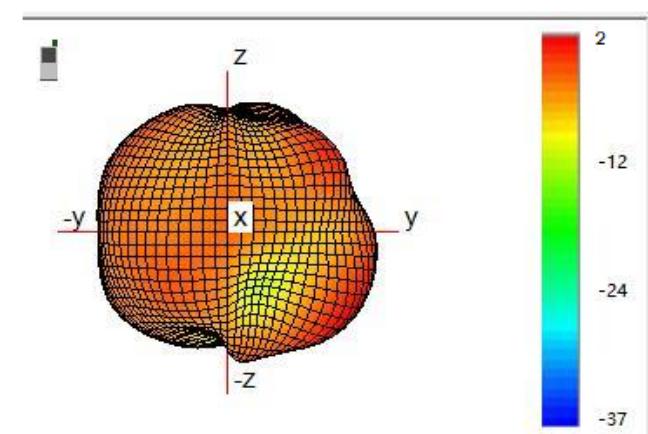
## 8. Three D Radiation Pattern measurements



## 9. Radiation Pattern

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## 10. 9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



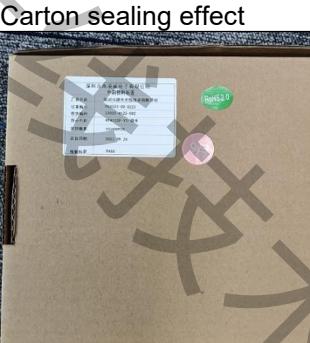
## 9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

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### 9-3.complete machine Efficiency Table

Frequency(MHz)	2400	2450	2480
Efficiency (%)	35.89	38.46	37.52
Gain (dBi)	1.41	1.63	1.84

## 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

<p><b>Tolerances (Unless otherwise specified)</b>  <b>X : ± 1      X.X : ± 0.1      X.XX : ± 0.01</b>  <b>Angle : ±      Hole Dia. : ±</b></p>			<p><b>深圳市迎丰天线技术有限公司</b>  <b>SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD</b></p>
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