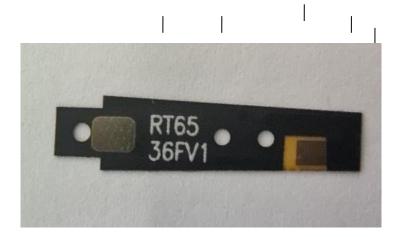
# BT FPC Antenna (RT6536FV1)

## 1. Explanation of Product Number

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



#### **Product Description:**

(1) Product Categories:

**B:BT Antenna** 

(2) Dimensions:

B1:19.5\*4.6\*0.12 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

	•	NO.	PAGE 1 OF	<b>A</b>	
TITLE: BT FPC Antenn	TITLE: BT FPC Antenna(RT6536FV1)		S2B4BB1F1B34000	Λ.	
		PART		REV.	
Designed By :Simon	Approved By :Frank	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley Checked By : Simon		CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES			
Angle: ± Hole Dia.: ±		SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD			
Angle: ± Hole Dia.: ±		│			
X: ± 1 X.X: ± 0.1 X.XX: ± 0.01		7			
Tolerances (Unless other	wise specified)				
01: Sei	rial number				
i					

#### 2. Features

- \*Stable and reliable in performances
- \*RoHS compliance
- \*Low cost

### 3. Applications

\*BT

#### 4. Description

\* YINGFENMG 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.

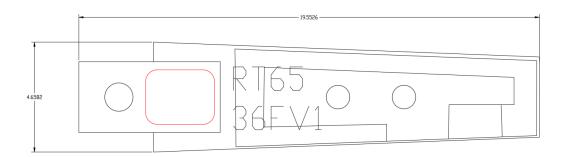
### **5.** Antenna Electrical Specifications :

Characteristics	Spec	Unit		
Outline Dimensions	19.5	mm		
Frequency	24	MHz		
Impedance		50		Ω
Polarization	Linea			
Return Loss Table	Return Loss			
Freq.Band	2.4G Hz	2.45G Hz		2.5G Hz
dB	-16.98	-29.81		17.34
VSWR Table		VSWR		
Freq.Band	2.4G Hz	2.45G Hz		2.5G Hz
	1.32	1.08		1.29

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Designed By :Simon	Approved By :Frank	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
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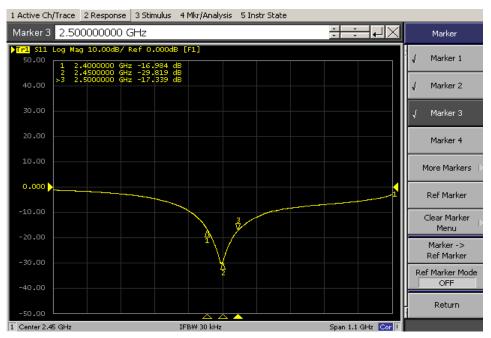
## 6. Dimensions (unit: mm)

blic errand: ±0.2mm



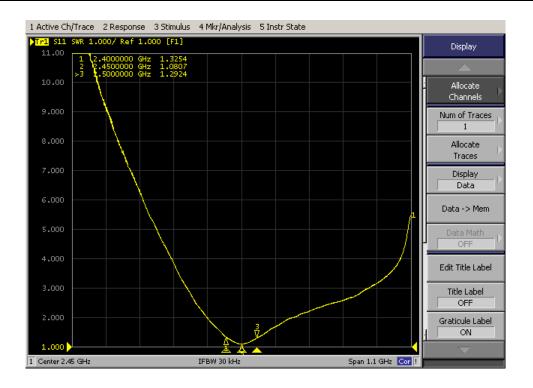
#### 7. Measurement Characteristics:

### (1) Return Loss

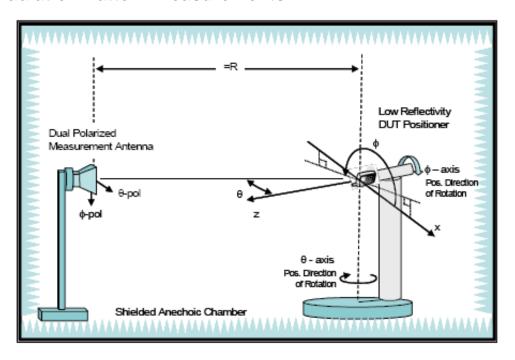


### (2) VSWR

X:±1 X.X:±0.1 X.XX:±0.01 Angle:± Hole Dia.:± 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD Scale: Drawn By: Shelley Checked By: Simon Designed By:Simon Approved By:Frank  TITLE: BT FPC Antenna(RT6536FV1)  Angle:± Hole Dia.:±	Tolerances (Unless otherwise specified)					
Scale:  Drawn By: Shelley  Designed By: Simon  Designed By: Simon  Approved By: Frank  PART NO.  SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD  SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD  THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A CIRCUMSTANCES WITHOUT WRITTEN PERMISSION  PART NO.  S2B4BB1F1B34000  A	X: ± 1	$X.XX: \pm 0.01$			_	
Scale:  Drawn By: Shelley  Checked By: Simon  Designed By: Simon  Approved By: Frank  PART NO.  SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD  THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A CIRCUMSTANCES WITHOUT WRITTEN PERMISSION  REV.  A  REV.  A	Angle: + Hole Dia.: +		│			
Drawn By : Shelley  Checked By : Simon  Designed By :Simon  Approved By :Frank  PART NO.  THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A CIRCUMSTANCES WITHOUT WRITTEN PERMISSION  REV.  A			SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTI		CO.,LTD	
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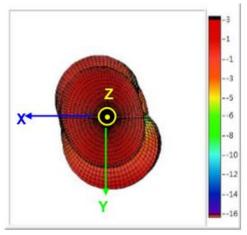
#### 8. Three D Radiation Pattern measurements

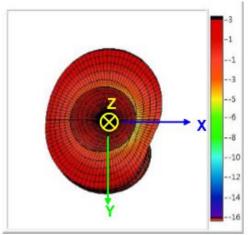


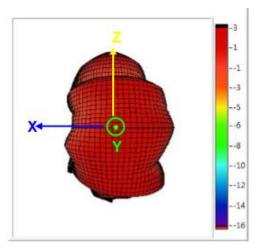
## 9. Radiation Pattern

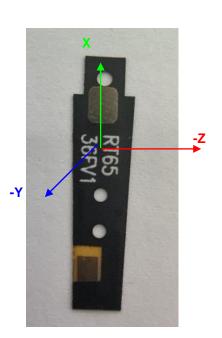
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TITLE : DT EDC Anton	no/DT6526E\/4\	PART	S2B4BB1F1B34000	REV.	
Designed By :Simon	Approved By :Frank	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley  Checked By : Simon  THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGY CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN					
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Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公 n Yingfeng antenna technolog	-	
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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)

Approved By :Frank				
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Unit : mm	THE OPENION IN THE PROPERTY OF LIMITOR ON TECHNOLOGIE			
Hole Dia.: ±			-	
0.1 X.XX: ± 0.01				
erwise specified)	a			
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## 9-3.complete machine Efficiency Table

Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (dB)	-2.22	-1.71	-2.09	-2.13	-2.24	-2.07
Efficiency (%)	27.9	29.3	30	29	28.7	26
Gain (dBi)	1.52	1.65	1.75	1.63	1.56	0.45

### **10.Revision Control:**

Revision	Date	Content	Remark
Α	2023-8-15	New Issued.	N/A

Tolerances (Unless oth	erwise specified)	a				
X: ± 1	0.1 X.XX: ± 0.01	<b>199</b>				
Angle: ± Hole Dia.: ± 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,						
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Designed By :Simon	Approved By :Frank	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
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