BT FPC Antenna (RT1351T-R-V2)

1. Explanation of Product Number

S	2	B	4	B	B	1	F	1	B	0	9	6	0	0
				(1)	(2)		(3)	(4)		(5)				

Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1: 24.78*8.40*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

Tolerances (Unless otherwise specified) **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 :	**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(RT1351T-R-V2)	**PART NO.**	**S2B4BB1F1B09600** / **REV.** **A**

2. Features

*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	24.78*8.40*0.15			mm
Frequency	2400~2500			MHz
Impedance	50			Ω
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	2500MHz
Peak Gain(dBi)	35.07	38.25	38.00	36.66

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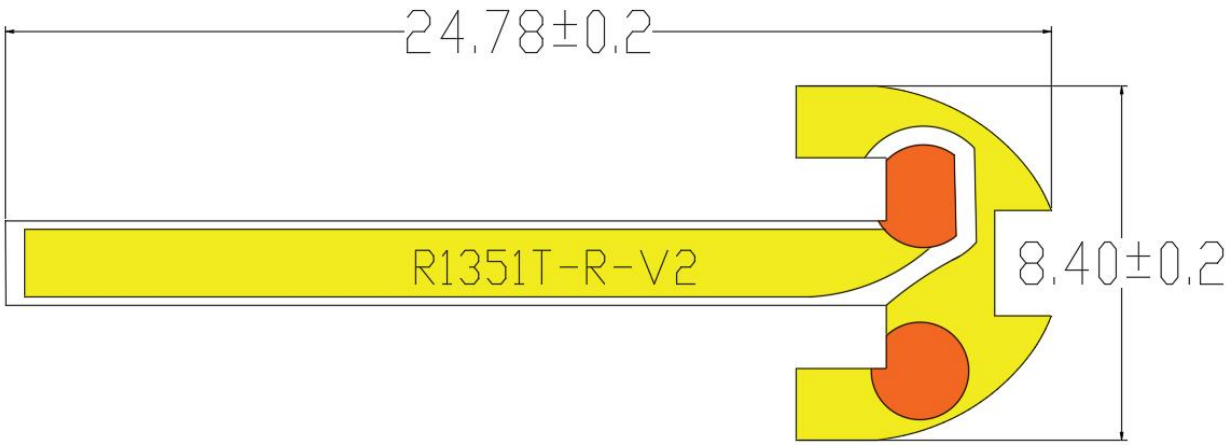
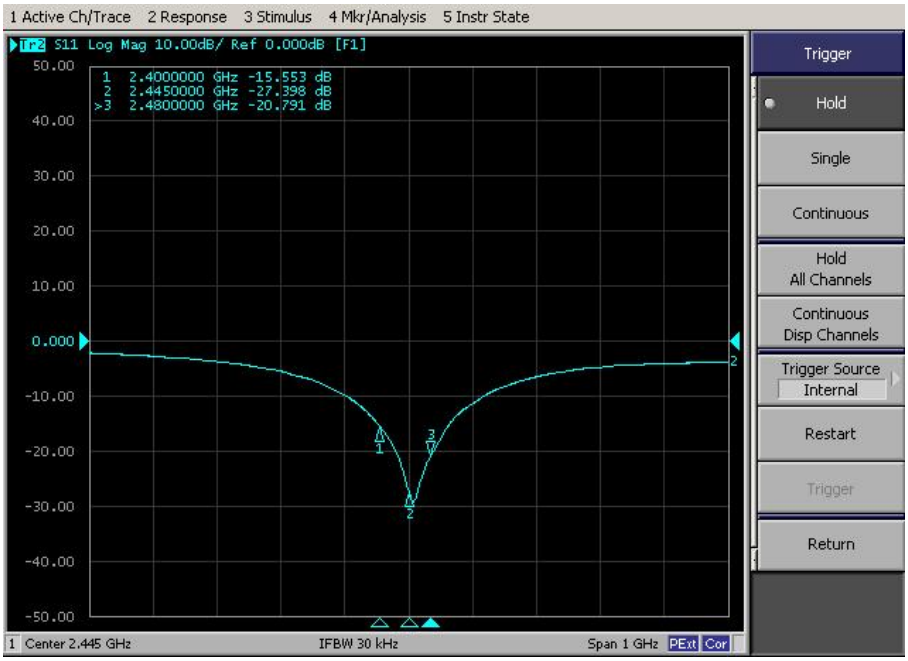
6. Dimensions (unit: mm)

blic errand：±0.2mm



7. Measurement Characteristics:

(1) Return Loss



(2) VSWR

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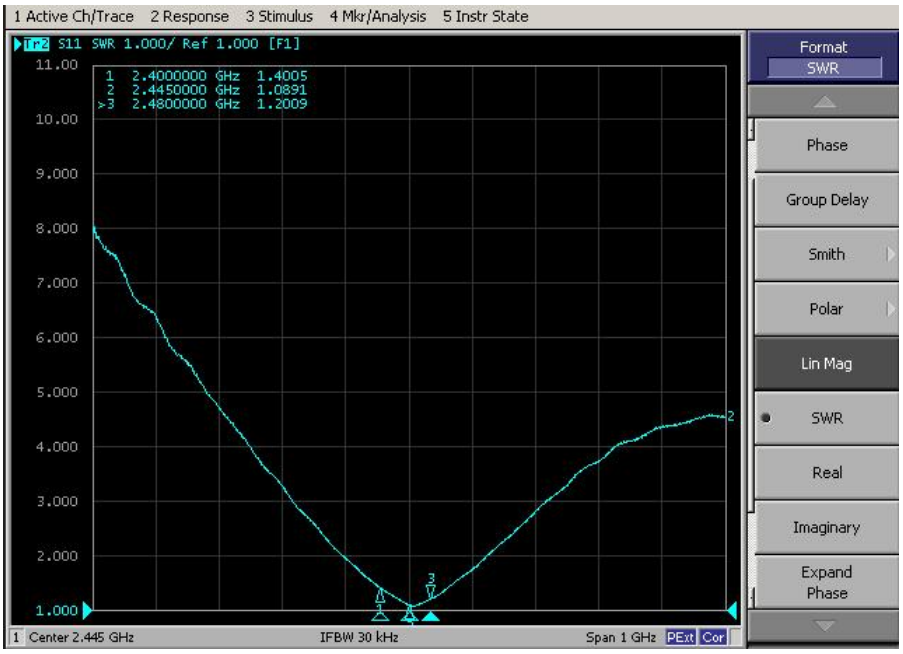
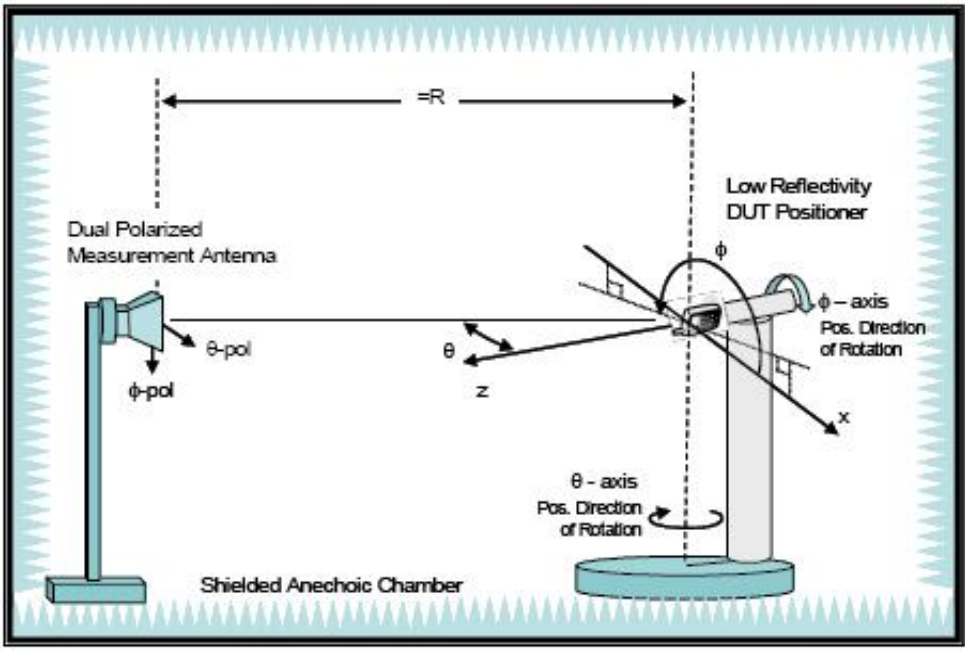


8. Three D Radiation Pattern measurements



9.Radiation Pattern

Tolerances (Unless otherwise specified) **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**	
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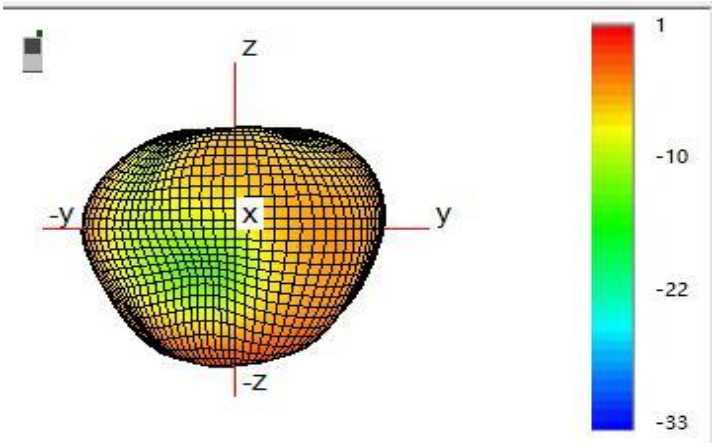
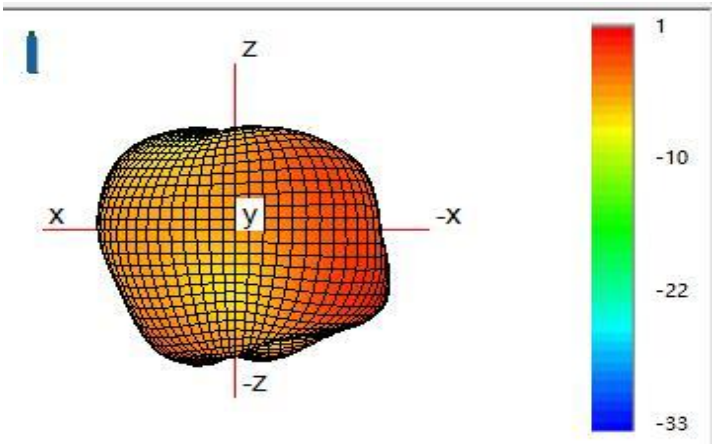
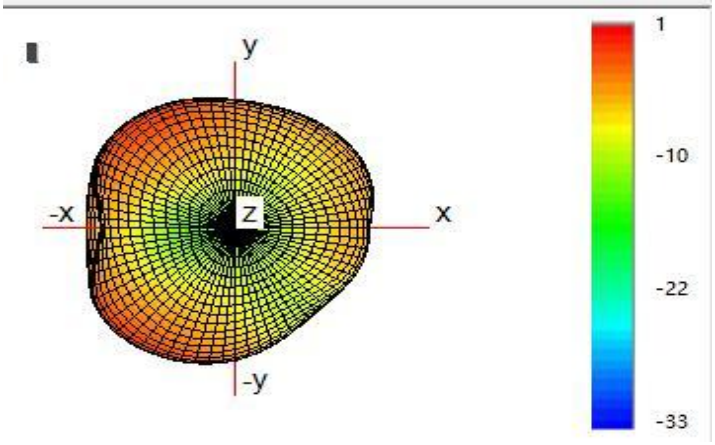
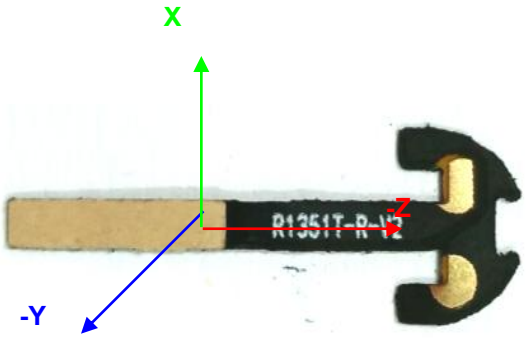
9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)









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

Tolerances (Unless otherwise specified) **X : ± 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**	
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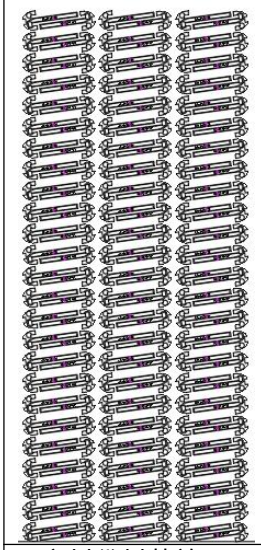
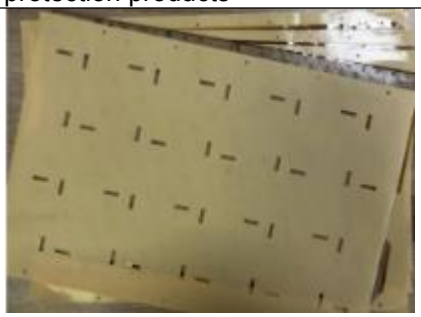
9-3.complete machine Efficiency Table

Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (%)	35.07	37.73	38.25	37.75	38.00	36.66
Gain (dBi)	1.38	1.59	1.68	1.32	1.52	1.46

10-1 产品包装 Product packaging

版本 edition:: V2.0	页码 Page: 1/1
1.产品排版: 25*6=150PCS	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	2024-12-02	New Issued.	N/A

Tolerances (Unless otherwise specified)
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
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