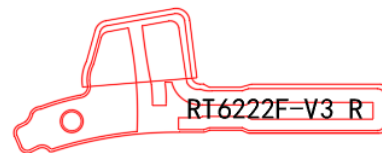
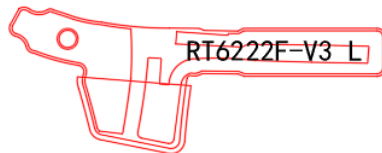


BT FPC Antenna (RT6222F-V3-L/R)

1. Explanation of Product Number

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



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:22.2*7.3*0.12 (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 : $\pm$

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

Drawn By : Shelley

Checked By : Simon

Designed By : Simon

Approved By : Frank

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TITLE : BT FPC Antenna(RT6222F-V3-L/R)

PART
NO.

S2B4BB1F1B30000

REV.

B

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	Specifications			Unit
Outline Dimensions	22.2*7.3 *0.12			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	-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	

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : $\pm$

Hole Dia. : $\pm$



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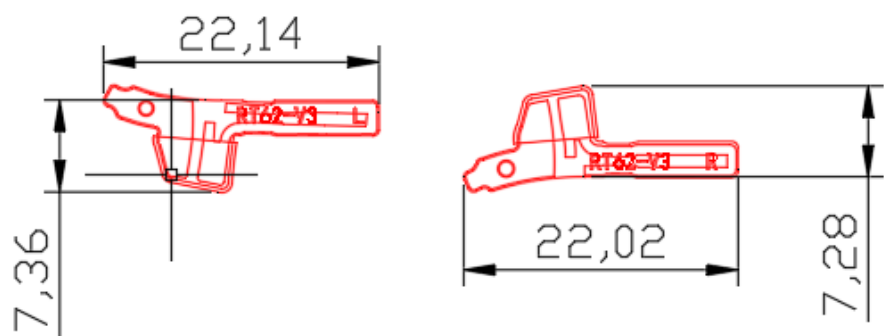
PART
NO.

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REV.

B

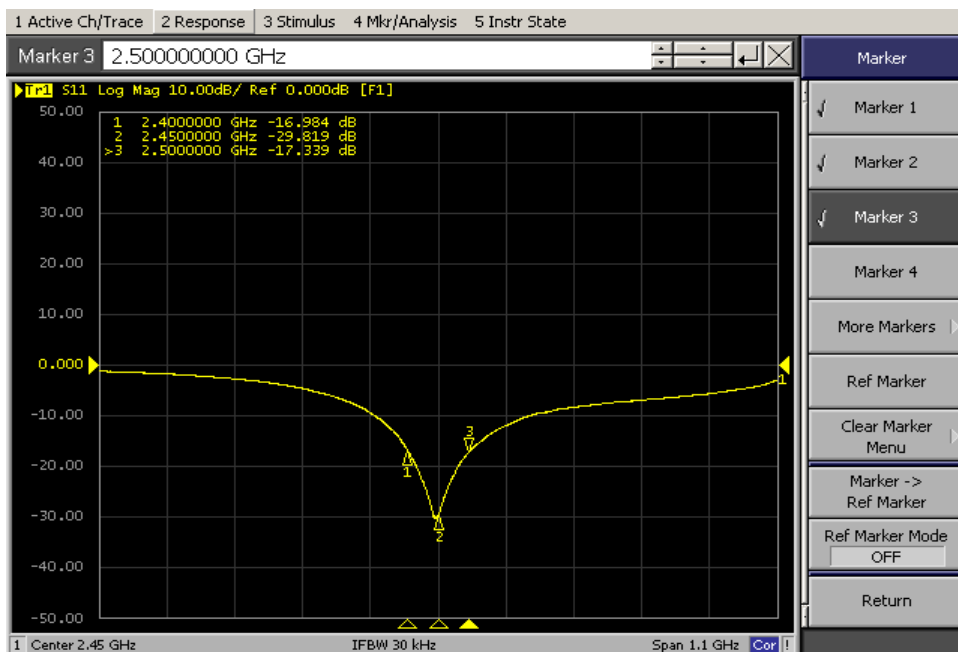
6. Dimensions (unit: mm)



blic errand: ±0.2mm

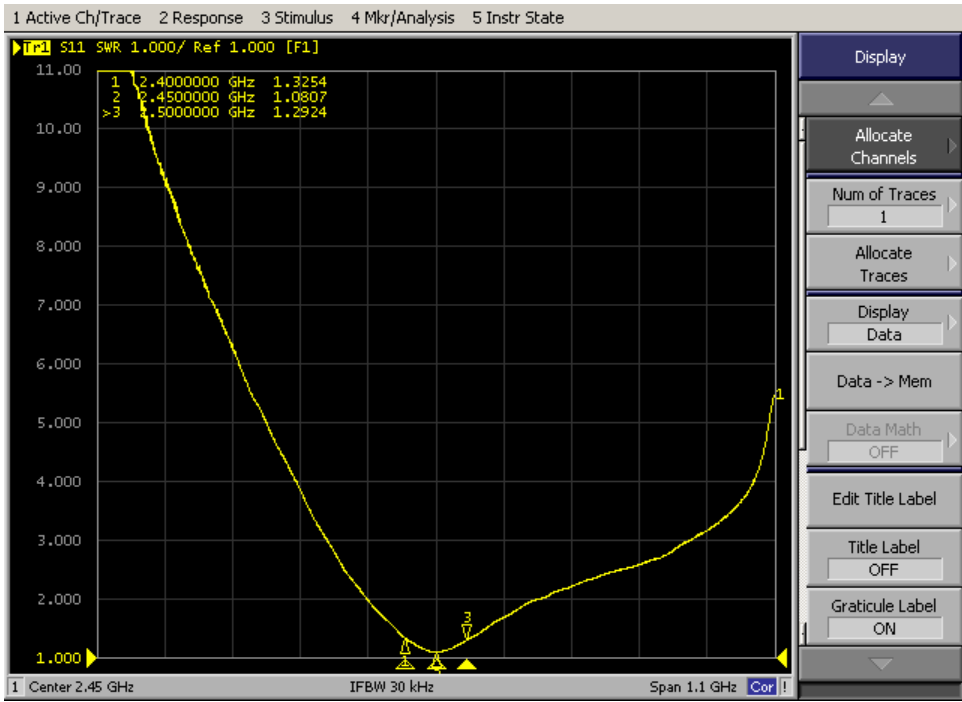
7. Measurement Characteristics:

(1) Return Loss

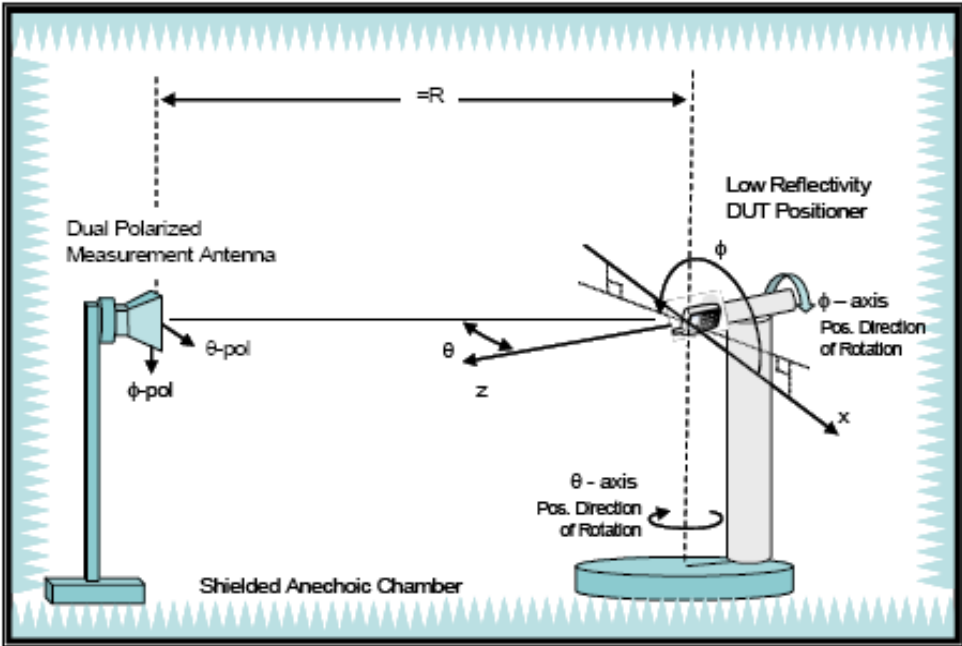


Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01 Angle : ± Hole Dia. : ±		 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Drawn By : Shelley	Checked By : Simon			
Designed By :Simon	Approved By :Frank			
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(2) VSWR



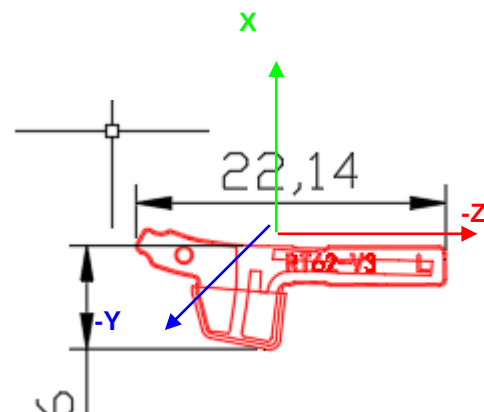
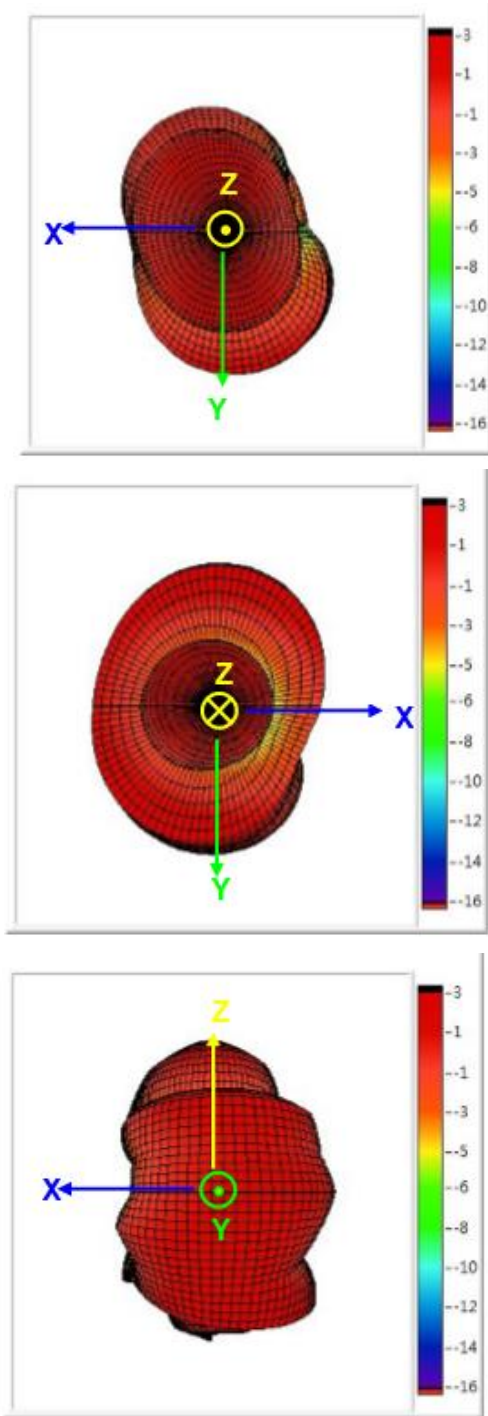
8. Three D Radiation Pattern measurements



Tolerances (Unless otherwise specified)		 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
X : ± 1 X.X : ± 0.1 X.XX : ± 0.01				
Angle : ± Hole Dia. : ±		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Scale :	Unit : mm			
Drawn By : Shelley	Checked By : Simon			
Designed By :Simon	Approved By :Frank			
TITLE : BT FPC Antenna(RT6222F-V3-L/R)		PART NO.	S2B4BB1F1B30000	REV. B

9.Radiation Pattern

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



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



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Scale :	Unit : mm
Drawn By : Shelley	Checked By : Simon
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TITLE : BT FPC Antenna(RT6222F-V3-L/R)	PART NO.	S2B4BB1F1B30000	REV.
			B

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

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)	1.62	1.15	1.24	1.23	1.06	0.95

10.Revision Control:

Revision	Date	Content	Remark
A	2023-7-14	New Issued.	N/A

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

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



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SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO.,LTD

Scale : Unit : mm

Drawn By : Shelley Checked By : Simon

Designed By : Simon Approved By : Frank

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TITLE : BT FPC Antenna(RT6222F-V3-L/R)

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REV.

B