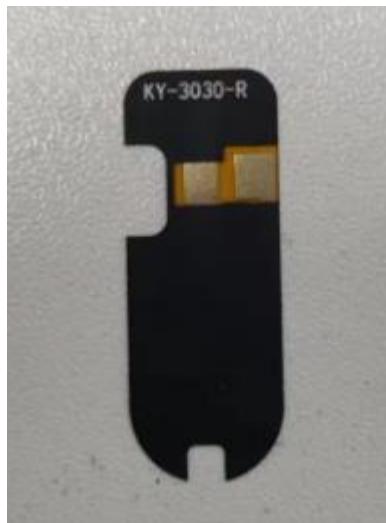


BT FPC Antenna (KY3030-R)

1. Explanation of Product Number

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



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:24.48*9.2*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



深圳市迎丰天线技术有限公司

SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO., LTD

Angle : \pm Hole Dia. : \pm

Scale : Unit : mm

Drawn By : Shelley Checked By : Simon

Designed By : Simon Approved By : Simon

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TITLE : BT FPC Antenna(KY3030- R)

PART
NO.

S2B4BB1F1B42000

REV.

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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.

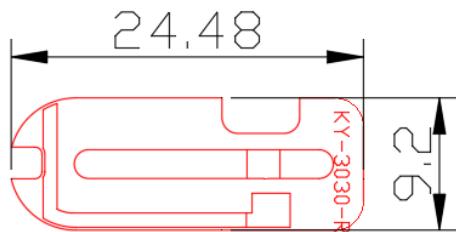
5. Antenna Electrical Specifications :

Characteristics	Specifications		Unit
Outline Dimensions	24.48*9.2 *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
	1.18	1.08	1.29
GAIN Table	Total Gain = Xpol + Ppol		
Freq.Band	2400MHz	2450MHz	2485MHz
Peak Gain(dBi)	1.22	1.52	1.18
			0.95

Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01			 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO., LTD
Angle : ±	Hole Dia. : ±		
Scale :	Unit : mm		
Drawn By : Shelley	Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION
Designed By : Simon	Approved By : Simon		
TITLE : BT FPC Antenna(KY3030- R)		PART NO.	S2B4BB1F1B42000
			REV. A
		PAGE 2	OF 6

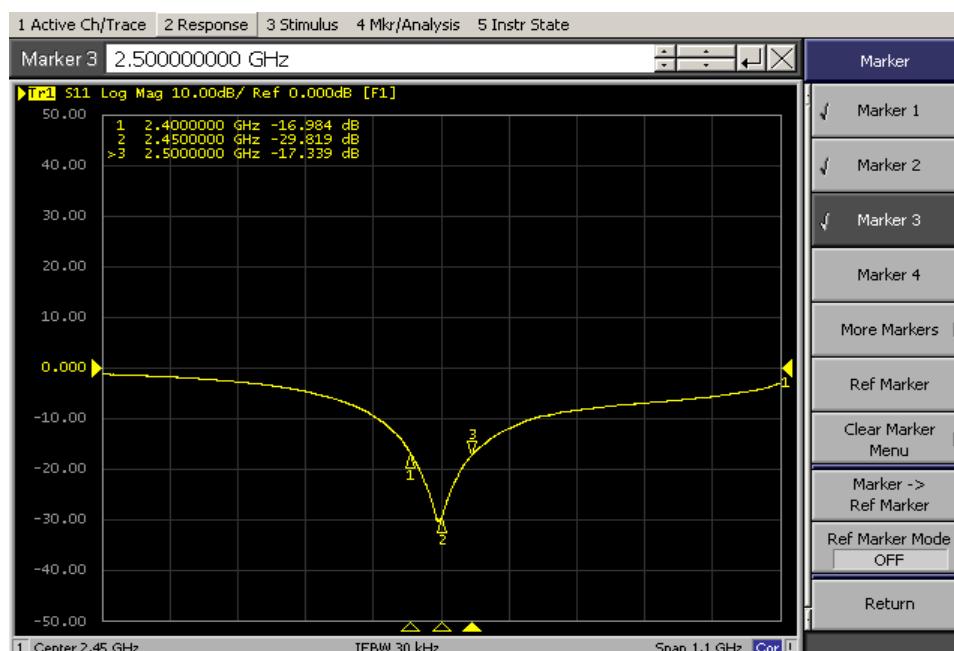
6. Dimensions (unit: mm)

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



7. Measurement Characteristics:

(1) Return Loss



(2) VSWR

Tolerances (Unless otherwise specified)

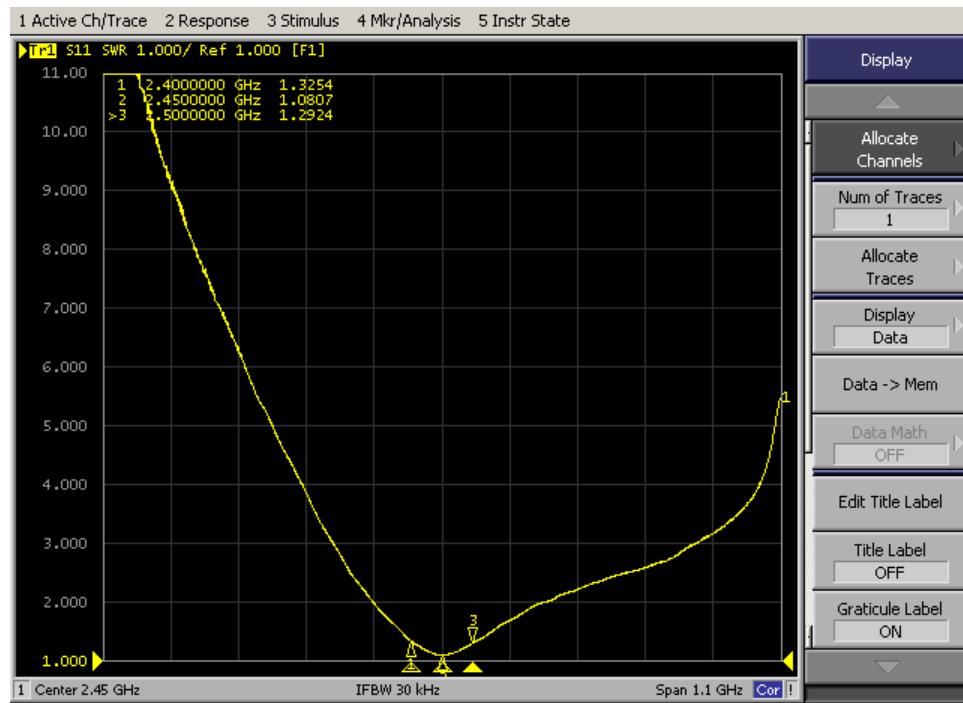
X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

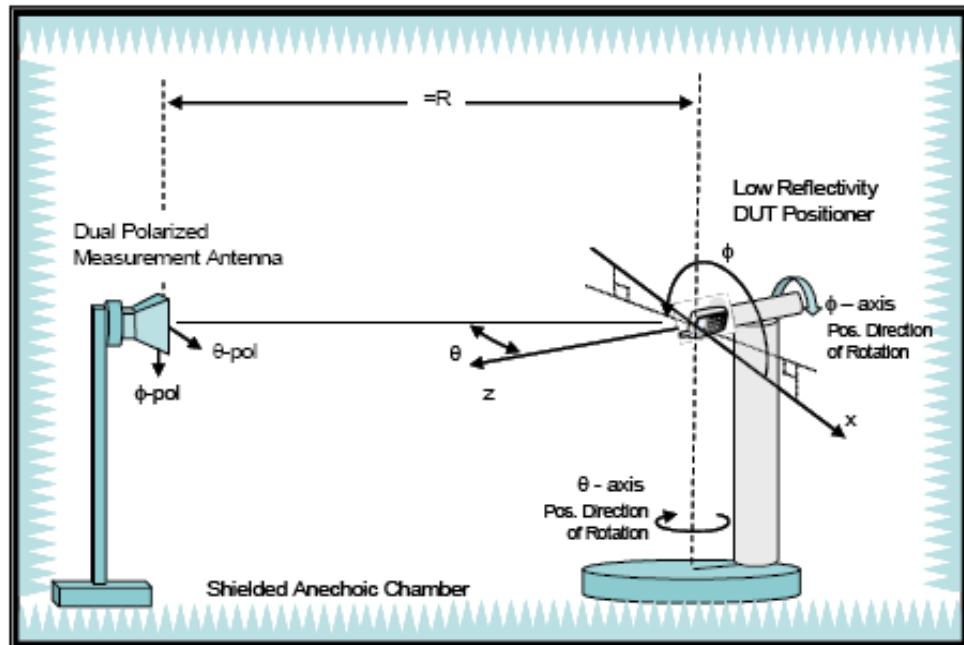


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Designed By : Simon	Approved By : Simon			
TITLE : BT FPC Antenna(KY3030- R)		PART NO.	S2B4BB1F1B42000	
			REV.	
			A	
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8. Three D Radiation Pattern measurements



9. Radiation Pattern

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm

Hole Dia. : \pm



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Scale :

Unit : mm

Drawn By : Shelley

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TITLE : BT FPC Antenna(KY3030- R)

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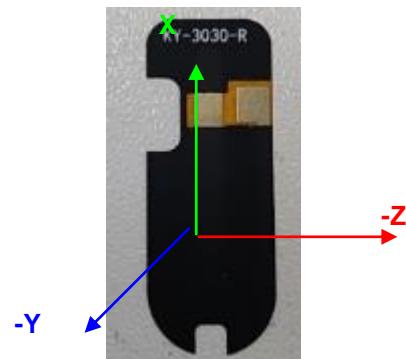
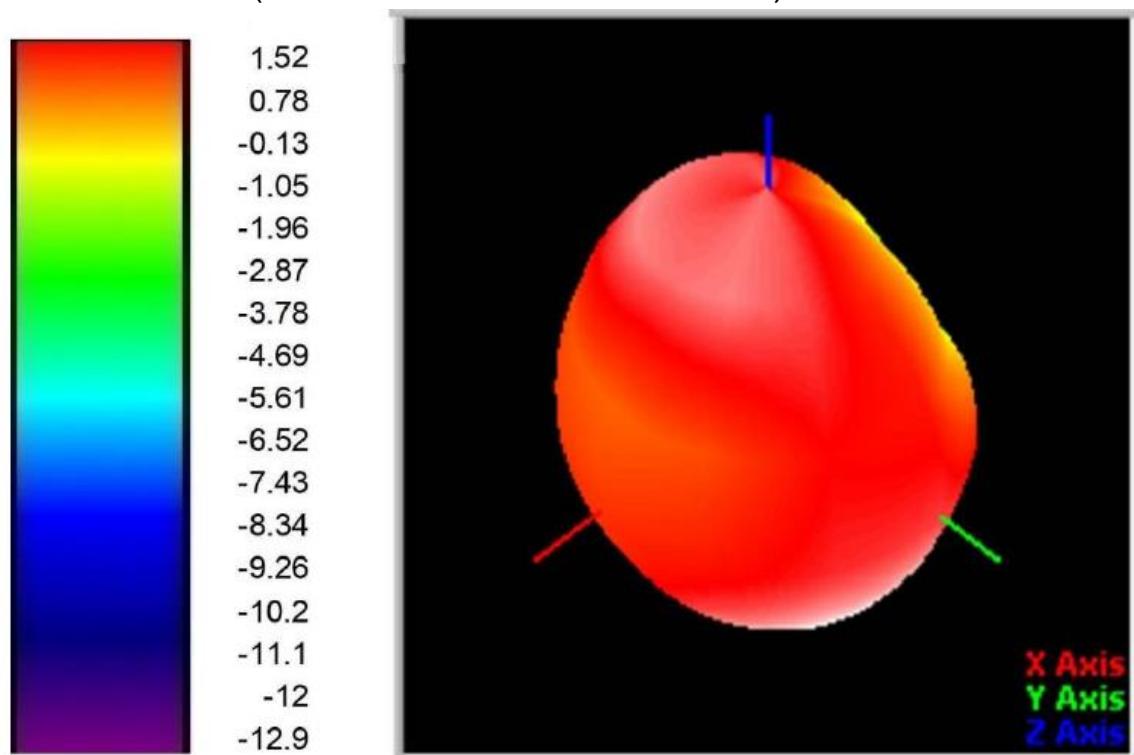
PART
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9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



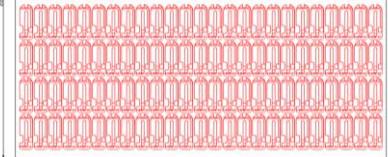
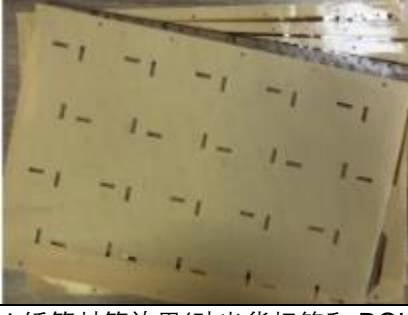
Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01			 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD
Angle : \pm	Hole Dia. : \pm	Scale :	
Drawn By : Shelley	Checked By : Simon	Designed By : Simon	Approved By : Simon
TITLE : BT FPC Antenna(KY3030- R)		PART NO. S2B4BB1F1B42000	REV. A
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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 (%)	30.9	32.3	36	35	29.18	26
Gain (dBi)	1.22	1.32	1.52	1.37	1.21	0.95

10-1 产品包装 Product packaging

版本 edition:: V1.0	页码 Page: 1/1
1.产品排版: R=25x4=100pcs,	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	2023-9-23	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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			A