BT FPC Antenna (OW03-L)

1. Explanation of Product Number

S 2 B 4 B B 1 F 1 B 0 1 7 0 0 (1) (2) (3) (4) (5)



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:14.32*9.13*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

TITLE: BT FPC Antenna(OW03-L)		NO.		B 6		
TITLE : BT EDC Anter	na(OW03-I)	PART	S2B4BB1F1B01700	REV.		
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
Scale :	Unit : mm	THIS SPECIFICATION	ON IS THE PROPERTY OF LINICTRON TEC			
Angle: ± Hole Dia.: ±		SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD				
X: ± 1			市迎丰天线技术有限公	司		
Tolerances (Unless oth	• ,					

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.

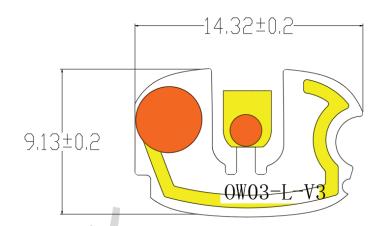
5. Antenna Electrical Specifications:

Characteristics	,	Specifications				Unit
Outline Dimensions	14.32* 9.13*0.15					mm
Frequency	X	24	100~2500)		MHz
Impedance			50			Ω
Polarization		Linea	r Polariza	ation		
Return Loss Table		Return Loss				
Freq.Band	2.4G	Hz		2.45G Hz	2.5G Hz	
dB	-16.98	-16.98 -29.81			-17.34	
VSWR Table				/SWR		
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz
	1.18	1.18 1.08				1.29
GAIN Table		Total Gain = Xpol + Ppol				
Freq.Band	2400MHz	2450	MHz	2485MHz		2500MHz
Peak Gain(dBi)	1.51	1.	72	1.69		1.23

Tolerances (Unless oth	erwise specified)	- 3				
X: ± 1	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			·		
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
		PART	000400454004500	REV.		
TITLE: BT FPC Antenna(OW03-L)		NO.	S2B4BB1F1B01700	В		
		•	PAGE 2 O	F 6		

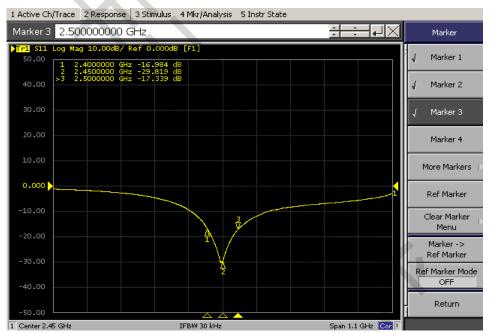
6. Dimensions (unit: mm)

blic errand: ±0.2mm



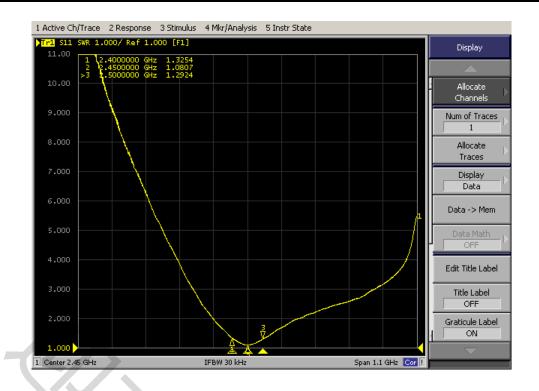
7. Measurement Characteristics:

(1) Return Loss

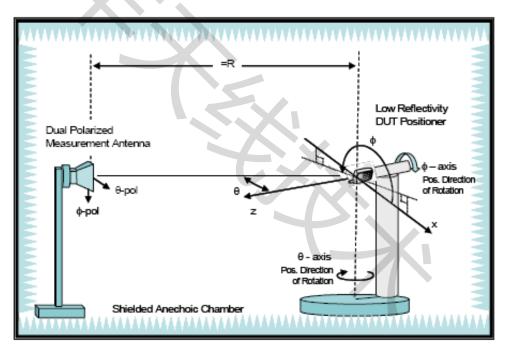


(2) VSWR

Tolerances (Unless other	erwise specified)	ہے					
X: ± 1	0.1 X.XX: ± 0.01						
Angle: ±	Hole Dia. : ±		^ 深圳市迎丰天线技术有限公司				
3 · -		SHEN ZHE	N YINGFENG ANTENNA TECHNOLOGY	CO.,LTD			
Scale :	Unit : mm	THIS SPECIFICATION	ON IS THE PROPERTY OF LINICTRON TECH				
Drawn By : Andy	Checked By : Simon	CORPORATION AN	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI				
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
	(2)1/22)	PART	COD 4D D4 E4 D 04 700	REV.			
TITLE: BT FPC Antenna(OW03-L)		NO.	S2B4BB1F1B01700	В			
			PAGE 3 O	F 6			



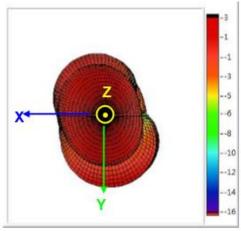
8. Three D Radiation Pattern measurements

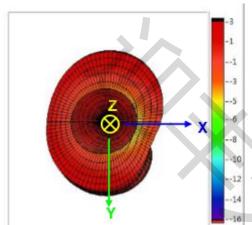


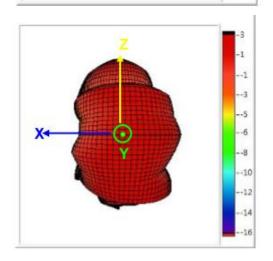
9. Radiation Pattern

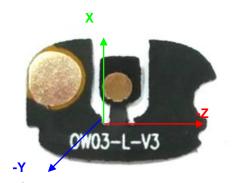
TITLE: BT FPC Antenna(OW03-L)		NO.	32D4DD1F1BU1/UU	В		
TITLE - BT FBC Amen	(OM02 L)	PART	S2B4BB1F1B01700	REV.		
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN AL				
Scale :	Unit : mm	THE OPENION IS THE PROPERTY OF UNICTON TECHNOLOGIE				
Angle: ± Hole Dia.: ± 深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,L						
Tolerances (Unless oth X: ± 1 X.X: ±	erwise specified) 0.1 X.XX: ± 0.01			_		

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









Tolerances	(Unless	otherwise	e specified)
v	VV		

 $X: \pm 1$ $X.X: \pm 0.1$ $X.XX: \pm 0.01$

Angle: ± Hole Dia.: ±

TITLE: BT FPC Antenna(OW03-L)

Scale: Unit: mm

Drawn By: Andy Checked By: Simon

Designed By: Simon Approved By: Simon

► 深圳市迎丰天线技术有限公司
SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD

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CIRCUMSTANCES WITHOUT WRITTEN PERMISSION

PART
S2B4BB1F1B01700

REV.

NO.

PAGE 5

OF 6

В

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)	1.51	1.62	1.72	1.7	1.69	1.23

10-1 产品包装 Product packaging

版本 edition:: V3.0	页码 Page: 1/1
1.产品排版: 24*4=168PCS	2.离型纸隔层摆放保护天线 Barrier paper
117 HATH 7000 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	protection products
## ## ## ## ## ## ## ## ## ## ## ## ##	
3.密封袋封装效果	4.纸箱封箱效果(贴出货标签和 ROHS 标签
Sealing bag packaging effect	Carton sealing effect
	The State of the S

10-2.Revision Control:

Revision	Date	Content	Remark
Α	2024-08-05	New Issued.	N/A

Tolerances (Unless oth	erwise specified)	-3					
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				
Aligio : 1		SHEN ZHE	N YINGFENG ANTENNA TECHNOLOGY	CO.,LTD			
Scale :	Unit : mm	THE CRECIFICATION IS THE PROPERTY OF INJECTION TECHNOLOGIC					
Drawn By : Andy	Checked By : Simon	CORPORATION AN	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
		PART	000400454004700	REV.			
TITLE: BT FPC Antenna(OW03-L)		NO.	S2B4BB1F1B01700	В			
		•	PAGE 6 OI	F 6			

BT FPC Antenna (OW03-R)

1. Explanation of Product Number

S 2 B 4 B B 1 F 1 B 0 1 8 0 0 (1) (2) (3) (4) (5)



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:14.32*9.13*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

TITLE: BT FPC Antenna(OW03-R)		NO.	32D4DD1F1DU10UU	В		
FITI E : DT FDC Amte	(OM02 D)	PART	S2B4BB1F1B01800	REV.		
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
Scale :	Unit : mm	THIS SPECIFICATION	ON IS THE PROPERTY OF LINICTRON TEC	HNOLOGIES		
Angle: ± Hole Dia.: ±		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	₩	▎ ᄼ ᄿᇭᆂᆍᄱᇧ	—		
Tolerances (Unless of	herwise specified)	a				

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.

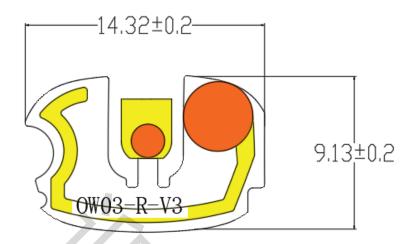
5. Antenna Electrical Specifications:

Characteristics	,	Specifications				Unit
Outline Dimensions		14.32* 9.13*0.15				mm
Frequency	X	24	100~2500)		MHz
Impedance			50			Ω
Polarization		Linea	r Polariza	ation		
Return Loss Table		Return Loss				
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz
dB	-16.98		XI	-29.81		-17.34
VSWR Table		V		/SWR		
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz
	1.18	4		1.08		1.29
GAIN Table		Total Gain = Xpol + Ppol				
Freq.Band	2400MHz	2450	MHz	2485MHz		2500MHz
Peak Gain(dBi)	1.51	1	.72	1.69		1.23

Scale: Unit: mm THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGY THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGY		CIRCUMSTANCES WITHOUT WRITTEN PERMISSION	AND SHALL NOT BE REPRODUCED OR USED IN A		
Scale: Unit: mm THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGY THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGY			AND SHALL NOT BE REPRODUCED OR USED IN A		
Scale: Hole Dia.: ± SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LT Unit: mm	rawn By : Andy		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI		
Angle: ± Hole Dia.: ±	cale:		深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■	ngle: ±	Hole Dia.: ±			

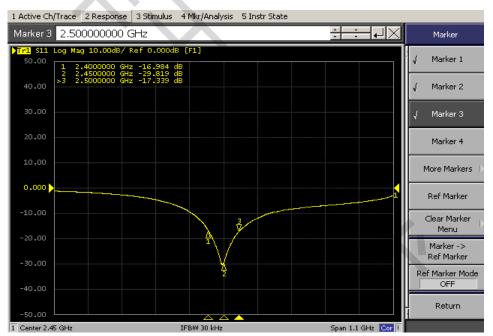
6. Dimensions (unit: mm)

blic errand: ±0.2mm



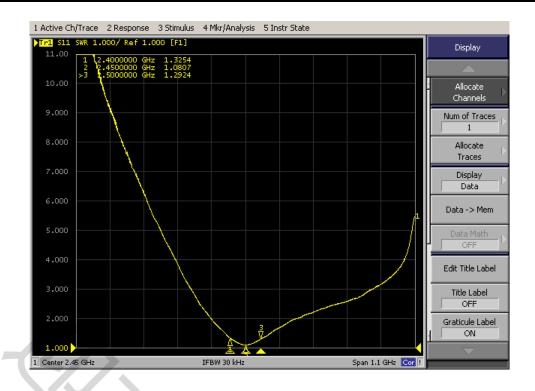
7. Measurement Characteristics:

(1) Return Loss

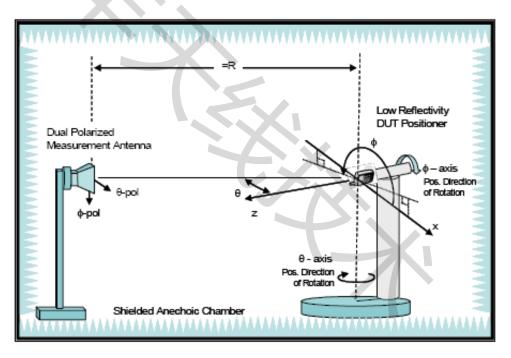


(2) VSWR

(Z) VOVA				
Tolerances (Unless otherwise specified)				
X: ± 1 X.X: ± 0.1 X.XX: ± 0.01		1		
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Angle: ±	Hole Dia.: ±	SHEN ZHE	N YINGFENG ANTENNA TECHNOLOGY	CO.,LTD
Scale :	Unit : mm	THE OPERISON IS THE PROPERTY OF INHOTRON TECHNOLOGICA		
Drawn By : Andy Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL		
Designed By :Simon Approved By :Simon		CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION	
		PART	000400454004000	REV.
TITLE: BT FPC Antenna(OW03-R)		NO.	S2B4BB1F1B01800	В
			PAGE 3 O	F 6



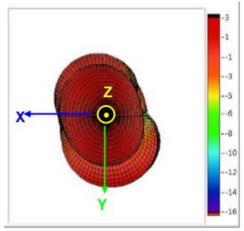
8. Three D Radiation Pattern measurements

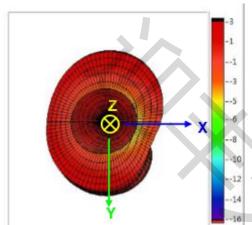


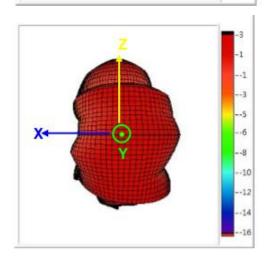
9. Radiation Pattern

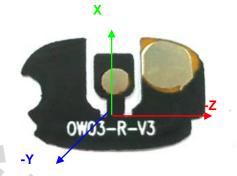
TITLE: BT FPC Antenna(OW03-R)		NO.	32B4BB1F1B01000	В	
TITI E · DT EDC	Antonnol	OW02 B)	PART	S2B4BB1F1B01800	REV.
Designed By :Simon Approved By :Simon		CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION		
Drawn By : Andy Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
Scale :	ι	Jnit : mm	THE OPERITOR IS THE PROPERTY OF HINGTON TECHNOLOGIE		
Angle: ± Hole Dia.: ±		深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD			
•	s otherw (: ± 0.1	se specified) X.XX:± 0.01	*		

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









Tolerances (Unless	otherwise	specified)
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 $X.XX : \pm 0.01$

Angle: ±

Hole Dia.: ±

Scale :	Unit : mm
Drawn By : Andy	Checked By : Simon
Designed By :Simon	Approved By :Simon
	•

深圳市迎丰天线技术有限公司

SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD

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TITLE (c)		PART		REV.
TITLE: BT FPC Antenna	(OW03-R)	NO.	S2B4BB1F1B01800	В
			PAGE 5 C	OF 6

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)	1.51	1.62	1.72	1.7	1.69	1.23

10-1 产品包装 Product packaging

页码 Page: 1/1
2. 离型纸隔层摆放保护天线 Barrier paper
protection products
4.纸箱封箱效果(贴出货标签和 ROHS 标签
Carton sealing effect
AND

10-2.Revision Control:

Revision	Date	Content	Remark
А	2024-08-05	New Issued.	N/A

Tolerances (Unless oth	•	- a			
X: ± 1	0.1 X.XX: ± 0.01 Hole Dia.: ±	深圳市迎丰天线技术有限公司 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD			
Scale :	Unit : mm	THE OPECIFICATI	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI		
Drawn By : Andy	Checked By : Simon	CORPORATION AN			
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
TITLE: BT FPC Antenna(OW03-R)		PART	000400454004000	REV.	
		NO.	S2B4BB1F1B01800	В	
			PAGE 6 O	F 6	