BT FPC Antenna (OW18-R-V3)

1. Explanation of Product Number

S 2 B 4 B B 1 F 1 B 0 0 0 5

(1) (2) (3) (4)



(5)

Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1: 11.12*9.62*0.15 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

2. Features

Tolerances (Unless otherwise specified) X: ± 1 $X.X: \pm 0.1$ $X.XX: \pm 0.01$ 深圳市迎丰天线技术有限公司 Angle: ± Hole Dia.: ± SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD Scale: Unit: mm THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES Drawn By: Andy Checked By: Simon CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION **Designed By: Simon** Approved By :Simon **PART** REV. S2B4BB1F1B00005 TITLE: BT FPC Antenna(OW18--R-V3) NO. Α PAGE 1 OF 6

- *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.

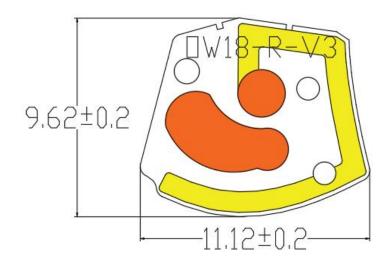
5. Antenna Electrical Specifications:

Characteristics	-	Spec	ificatio	ons		Unit
Outline Dimensions	11.12*9.62*0.15				mm	
Frequency	_	240	00~2500)		MHz
Impedance			50			Ω
Polarization		Linear	Polariza	ntion		
Return Loss Table			Ret	urn Loss		
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz
dB	-13.62			-23.01		-12.50
VSWR Table		5	V	/SWR		
Freq.Band	2.4G	Hz	2	2.45G Hz		2.5G Hz
	1.52	7		-1.15		1.62
GAIN Table		Tot	tal Gair	ı = Xpol + Pp	ol	
Freq.Band	2400MHz	2450N	ИНz	2480MHz		2500MHz
Peak Gain(dBi)	1.35	1.5	52	1.95		1.51

6. Dimensions (unit: mm)

blic errand: ±0.2mm

FITLE: BT FPC Antenna(OW18R-V3)		NO.	32D4DD IT IDUUUU3	Α	
TITLE. DT EDC Anto	nno/OW/19 B \/2\	PART	S2B4BB1F1B00005	REV.	
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION		
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A			
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X: ± 1	0.1 X.XX : ± 0.01	》 深圳	市迎丰天线技术有限公	司	
Tolerances (Unless oth	erwise specified)				



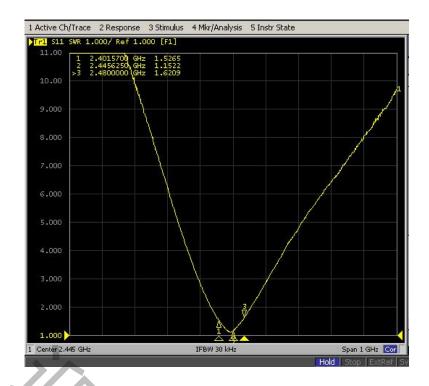
7. Measurement Characteristics:

(1) Return Loss

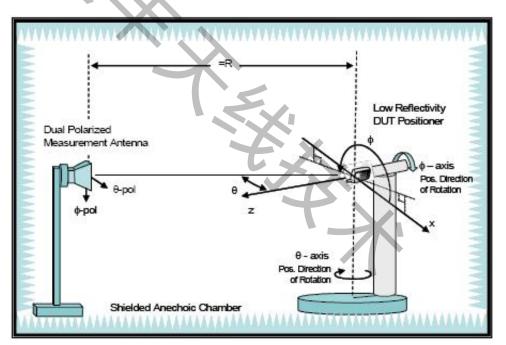


(2) VSWR

FITLE: BT FPC Antenna(OW18R-V3)		NO.	S2B4BB1F1B00005	Α
TITLE DE EDO Auto	(OM40 B V0)	PART	C2D4DD4F4D00005	REV.
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Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOG CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN		
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Tolerances (Unless otl	nerwise specified)			



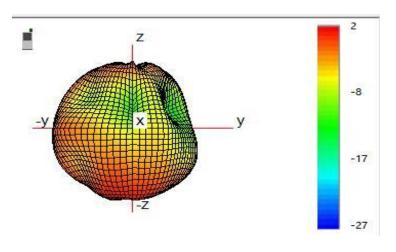
8. Three D Radiation Pattern measurements

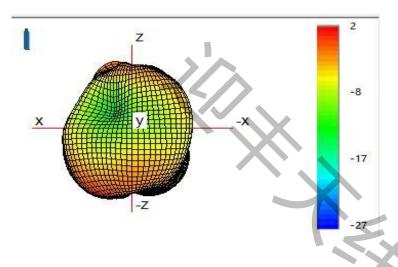


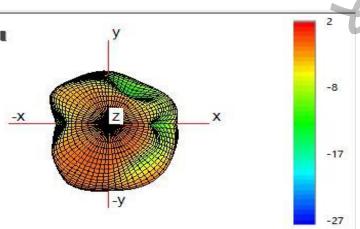
9. Radiation Pattern

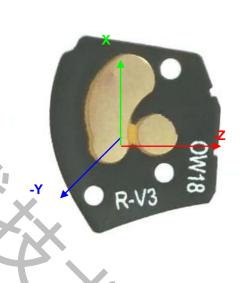
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FITLE DT FDC Antonio (OMAC D VC)		PART	S2B4BB1F1B00005	REV.
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Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN AL		
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9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)









Tol	erances	(Unless	other	wise	specified)

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

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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PART TITLE: BT FPC Antenna(OW18--R-V3) NO.

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9-2.complete machine Efficiency Table

Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (%)	37.22	35.31	33.81	31.32	32.62	33.14
Gain (dBi)	1.35	1.93	1.52	1.23	1.95	1.51

10-1 产品包装 Product packaging

版本 edition:: V3.0	页码 Page: 1/1
1.产品排版: 24*8=192PCS	2.离型纸隔层摆放保护天线 Barrier paper
	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
1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	To the state of th

10-2.Revision Control:

Revision	Date	Content	Remark
Α	2025-05-19	New Issued.	N/A

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	Checked By : Simon		ON IS THE PROPERTY OF UNICTRON TE ND SHALL NOT BE REPRODUCED OR	
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