BT FPC Antenna (OW18-L-V3)

1. Explanation of Product Number

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

(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

TITLE. BITFO AIRE		NO.	02545511 151000 4	A	
TITLE: BT FPC Ante	nna(OW18-I -V3)	PART	S2B4BB1F1B10004	REV.	
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION		
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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Angle: ±	Hole Dia. : ±		N YINGFENG ANTENNA TECHNOLOG	_	
	0.1 X.XX : ± 0.01	冷 深圳	市迎丰天线技术有限公	、司	
Tolerances (Unless oth	erwise specified)	a			

2. Features

- *Stable and reliable in performances
- *RoHS compliance

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 :

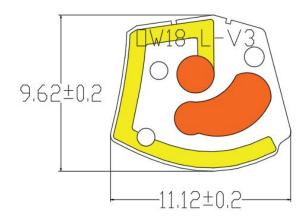
Characteristics		Speci	ificatio	ons		Unit
Outline Dimensions		11.12	*9.62*0	.15		mm
Frequency		240	00~2500)		MHz
Impedance	50 Ω					Ω
Polarization		Linear	Polariza	ition		
Return Loss Table			Ret	urn Loss		
Freq.Band	2.4G	Hz		2.45G Hz		2.5G Hz
dB	-11.49		XI	-21.81		-13.63
VSWR Table		7	V	/SWR		
Freq.Band	2.4G	Hz	2	2.45G Hz		2.5G Hz
	1.72		4	1.17		1.52
GAIN Table		Tot	al Gair	n = Xpol + Pp	ol	
Freq.Band	2400MHz	2450N	ИHz	2480MHz		2500MHz
Peak Gain(dBi)	1.36	1.3	0	1.38		1.15

Tolerances (Unless oth	erwise specified)				
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Angle : ±	Hole Dia. : ±	深圳	市迎丰天线技术有限公司	司	
		SHEN ZHE	N YINGFENG ANTENNA TECHNOLOGY	CO.,LTD	
Scale :	Unit: mm	TI IIO ODEOJEJOATI	ON 10 THE PROPERTY OF UNIOTRON TEOL	INOLOGIES	
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TITI P		PART	00040045404004	REV.	
TITLE: BT FPC Ante	nna(OW18-L-V3)	NO.	S2B4BB1F1B10004	Α	
			PAGE 2 OI	F 6	

^{*}Low cost

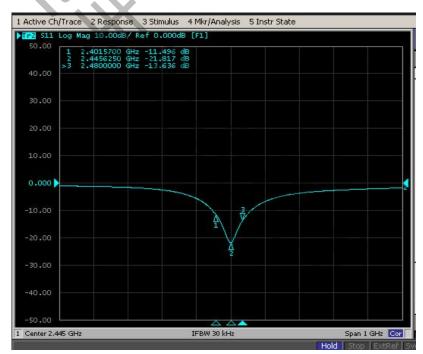
6. Dimensions (unit: mm)

blic errand: ±0.2mm



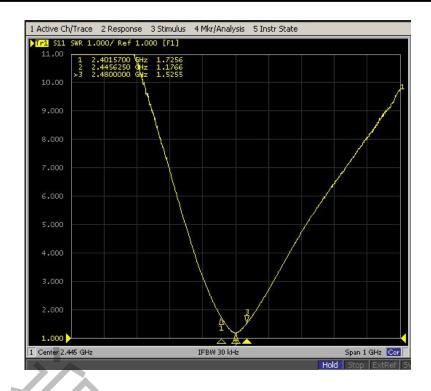
7. Measurement Characteristics:

(1) Return Loss

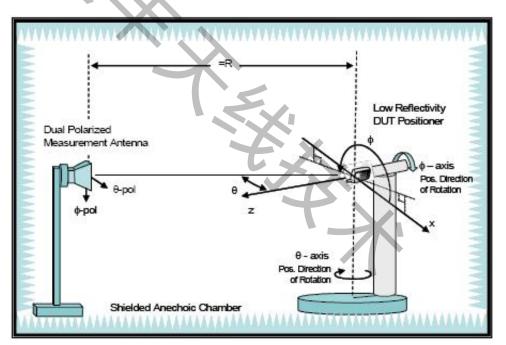


(2) VSWR

(Z) V3VVI				
Tolerances (Unless oth X: ± 1 X.X: ±	nerwise specified) 0.1 X.XX: ± 0.01	-3		
Angle: ±	Hole Dia. : ±	深圳	市迎丰天线技术有限公 ⁻ n yingfeng antenna technology	_
Scale :	Unit: mm			
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		PART		REV.
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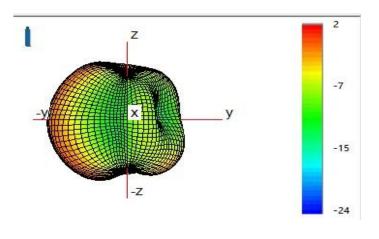
8. Three D Radiation Pattern measurements

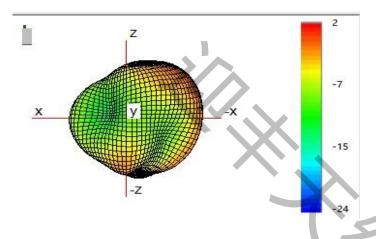


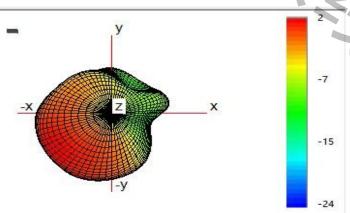
9. Radiation Pattern

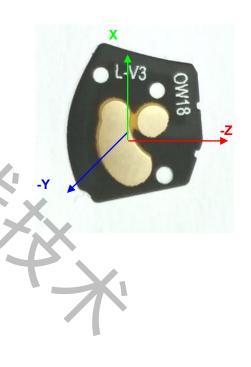
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$X: \pm 1$ $X.X: \pm$	$0.1 X.XX : \pm 0.01$	-3				
Tolerances (Unless oth	ierwise specified)					

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









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Tolerances (Unless oth X: ± 1 X.X: ±	•	-3		

9-2.complete machine Efficiency Table

Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (%)	31.30	31.49	31.39	31.54	31.80	31.61
Gain (dBi)	1.36	1.73	1.30	1.13	1.38	1.15

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-	The state of the s

10-2.Revision Control:

Revi	sion	Date	Content	Remark
1	4	2025-5-19	New Issued.	N/A

Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公 N YINGFENG ANTENNA TECHNOLOG	_	
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