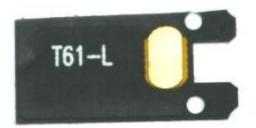
BT FPC Antenna (T61-L)

1. Explanation of Product Number

S 2 B 4 B B 1 F 1 B 9 0 0 0 0 0 (1) (2) (3) (4) (5)



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:13.00*6.80 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Ser	ial number					
Tolerances (Unless other	wise specified)					
X: ± 1 X.X: ± 0.7	X.XX: ± 0.01					
Angle: ± H	ole Dia.:±		市迎丰天线技术有限公司 N YINGFENG ANTENNA TECHNOLOGY	-		
Scale :	Unit : mm	THE OPECIFICATION	ON IC THE PROPERTY OF UNICEPON TECH	INOLOGIEC		
Drawn By : Shelley Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
		PART	000 40045400000	REV.		
TITLE: BT FPC Antenna(T61-L)		NO.	S2B4BB1F1B90000	Α		
			PAGE 1 O	F 6		

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.

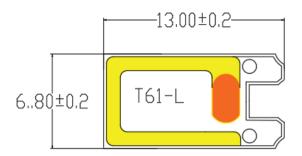
5. Antenna Electrical Specifications :

Characteristics		Spec	cificatio	ons		Unit	
Outline Dimensions		13	3.00*6.80			mm	
Frequency		24	00~2500)		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	3		-29.81		-17.34	
VSWR Table			V	/SWR			
Freq.Band	2.4G	Hz	2.45G Hz			2.5G Hz	
	1.18 1.08			1.08		1.29	
GAIN Table	Total Gain = Xpol + Ppol						
Freq.Band	2400MHz	2400MHz 2450MHz		2485MHz		2500MHz	
Peak Gain(dBi)	1.51	1	72	1.69		1.23	

Jnit : mm Checked By : Simon Approved By :Simon T61-L)	CORPORATION AN	ON IS THE PROPERTY OF UNICTRON ND SHALL NOT BE REPRODUCED OF WITHOUT WRITTEN PERMISSION \$284881F1890000			
Checked By : Simon	CORPORATION AN	ND SHALL NOT BE REPRODUCED C			
	CORPORATION AN	ND SHALL NOT BE REPRODUCED C			
Jnit : mm	THIS SPECIFICATION	ON IS THE DEODEDTY OF LINICTRON	TECHNOLOGIES		
	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES				
le Dia.: ±		市迎丰天线技术有限 N YINGFENG ANTENNA TECHNOL			
X.XX: ± 0.01	199				
		X.XX:± 0.01 e Dia.:±	X.XX: ± 0.01		

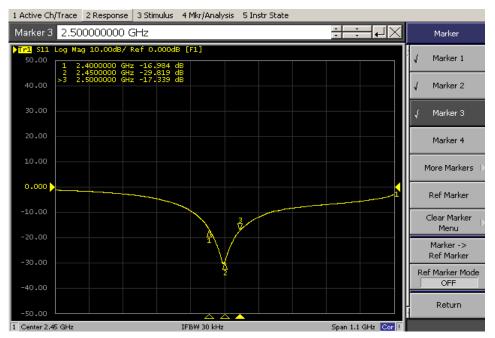
6. Dimensions (unit: mm)

blic errand: ±0.2mm



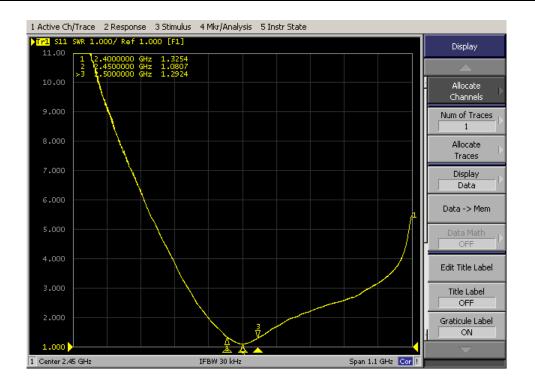
7. Measurement Characteristics:

(1) Return Loss

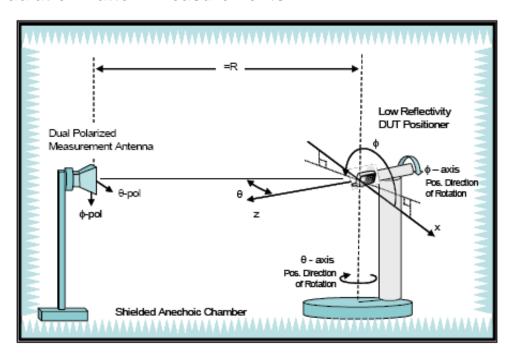


(2) VSWR

(Z) VOVI					
Tolerances (Unless oth	nerwise specified)				
X: ± 1	0.1 X.XX: ± 0.01				
Amala	Hala Dia	│	市迎丰天线技术有限公	司	
Angle: ± Hole Dia.: ±			N YINGFENG ANTENNA TECHNOLOGY	_	
Scale :	Unit : mm	THE OPENISOATION IS THE PROPERTY OF INHOTON TENINGLOUS.			
Drawn By : Shelley	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLO CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN			
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: BT FPC Antenna(T61-L)		PART	00040045400000	REV.	
		NO.	S2B4BB1F1B90000	Α	
		•	PAGE 3 O	F 6	



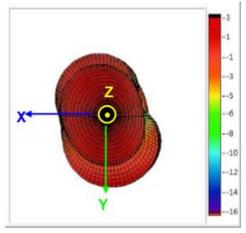
8. Three D Radiation Pattern measurements

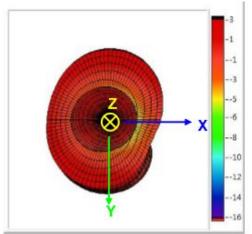


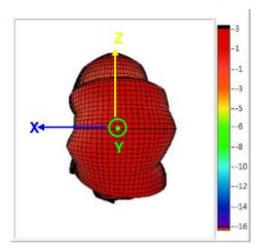
9. Radiation Pattern

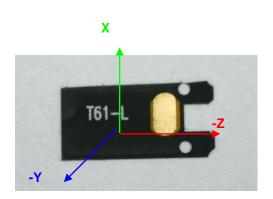
		NO.		A	
TITLE: BT FPC Antenna(T61-L)		PART	S2B4BB1F1B90000	REV.	
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley	Checked By : Simon	corporation and shall not be reproduc			
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE:			
Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公 N YINGFENG ANTENNA TECHNOLOG	-	
•	otherwise specified) ± 0.1 X.XX: ± 0.01	-3			

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









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

Tolerances (Unless otl	nerwise specified)						
X: ± 1	0.1 X.XX: ± 0.01						
Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公司 N YINGFENG ANTENNA TECHNOLOGY	-			
Scale :	Unit : mm	THE CRECIFICATI	ON IC THE PROPERTY OF LINICIPON TEC	LINOLOGIES			
Drawn By : Shelley	Checked By : Simon	CORPORATION AI	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN AL				
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
TITLE: BT FPC Antenna(T61-L)		PART	000400454000000	REV.			
		NO.	S2B4BB1F1B90000	Α			
		•	PAGE 5 O	F 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

版本 edition:: V1.0	页码 Page: 1/1
1.产品排版: 33*7=231PCS	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
	THE PERSON NAMED IN COLUMN TO SERVICE AND THE PERSON NAMED IN COLUMN TO

10-2.Revision Control:

Revision	Date	Content	Remark
А	2024-5-23	New Issued.	N/A

Tolerances (Unless ot	nerwise 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	司			
		SHEN ZHE	N YINGFENG ANTENNA TECHNOLOGY	CO.,LTD			
Scale :	Unit : mm	THE OPENION IS THE PROPERTY OF INICTRON TECHNOLOGIES					
Drawn By : Shelley	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 :Andy	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
TIT!			00040045400000	REV.			
TITLE: BT FPC Antenna(T61-L)		NO.	S2B4BB1F1B90000	Α			
			PAGE 6 O	F 6			
İ							

BT FPC Antenna (T61-R)

Explanation of Product Number

S 2 В F 0 (1) **(2)** (3) **(4) (5)**



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:13.00*6.80 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

TITLE . BI FFC AIREIMa(101-K)		NO.		A DF 6		
TITLE: BT FPC Antenna(T61-R)		PART	S2B4BB1F1B95000	REV.		
Designed By	:Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL				
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			│ 🖟 深圳	市迎丰天线技术有限公	司	
X: ± 1	X.X: ± 0.1	• ,	الأوت ا			
Tolerances (Unless otherv	vise specified)				
	01: Seri	al number				

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.

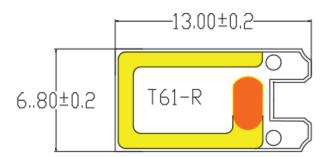
5. Antenna Electrical Specifications:

Characteristics		Specifications				Unit	
Outline Dimensions		13	3.00*6.80			mm	
Frequency		24	00~2500)		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	3	-29.81		-17.34		
VSWR Table			V	/SWR			
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 2450MH		MHz	2485MHz		2500MHz	
Peak Gain(dBi)	1.51	1	72	1.69		1.23	

Tolerances (Unless otl	nerwise specified)	a			
X: ± 1	0.1 X.XX: ± 0.01				
Angle: ± Hole Dia.: ±		1 深圳	│		
		SHEN ZHE	SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
Scale :	Unit : mm	THE SPECIFICATION	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI		
Drawn By : Shelley	Checked By : Simon	CORPORATION AN			
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: BT FPC Antenna(T61-R)		PART	000400454005000	REV.	
		NO.	S2B4BB1F1B95000	Α	
		•	PAGE 2 O	F 6	

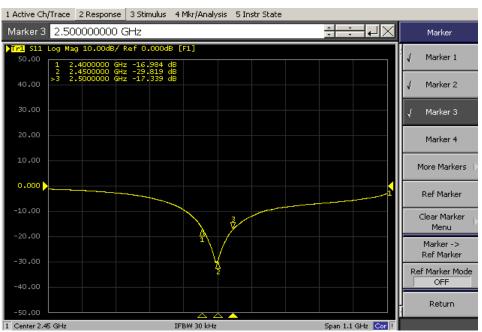
6. Dimensions (unit: mm)

blic errand: ±0.2mm



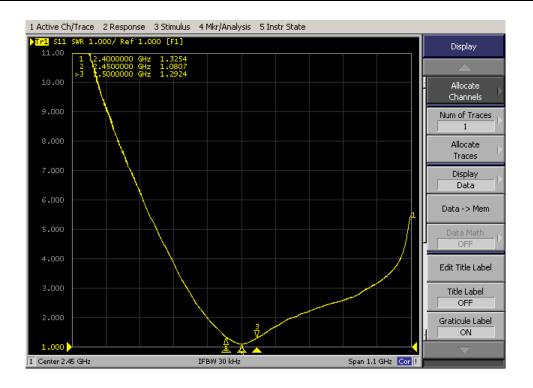
7. Measurement Characteristics:

(1) Return Loss

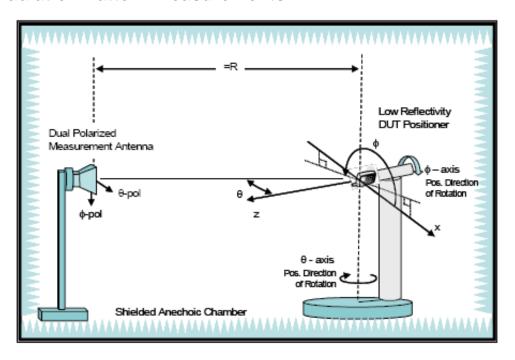


(2) VSWR

(2) 40411					
Tolerances (Unless otl	nerwise specified)				
X: ± 1	0.1 X.XX: ± 0.01				
Anglo	Hole Dia.: ±	│	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 CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Shelley	Checked By : Simon				
Designed By :Andy	Approved By :Simon				
TITLE: BT FPC Antenna(T61-R)		PART	000/00/00	REV.	
		NO.	S2B4BB1F1B95000	Α	
		•	PAGE 3 O	F 6	



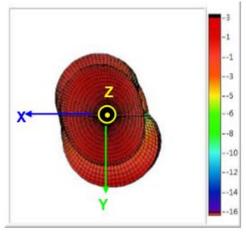
8. Three D Radiation Pattern measurements

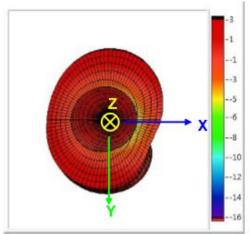


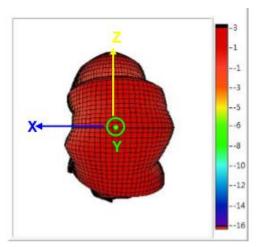
9. Radiation Pattern

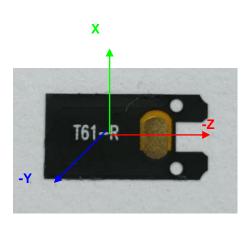
			PAGE 4 C)F 6
TITLE: BT FPC Antenna(T61-R)		NO.	S2B4BB1F1B95000	Α
		PART	000400454005000	REV.
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Drawn By : Shelley	Checked By : Simon	CORPORATION AND SHALL NOT BE REPRODUCED OR USE		
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE		
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	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	古河士王继续来有阻从	=1
•	therwise specified)			

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









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

Tolerances (Unless ot	herwise specified)				
X: ± 1	0.1 X.XX: ± 0.01				
Angle: ± Hole Dia.: ±		1 深圳	│		
		SHEN ZHE	SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD		
Scale :	Unit : mm	THE SPECIFICATION	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI		
Drawn By : Shelley	Checked By : Simon	CORPORATION AN			
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
TITLE: BT FPC Antenna(T61-R)		PART	000400454005000	REV.	
		NO.	S2B4BB1F1B95000	Α	
		•	PAGE 5 O	F 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

版本 edition:: V1.0	页码 Page: 1/1
1.产品排版: 23*7=231PCS	2.离型纸隔层摆放保护天线 Barrier paper
, на листо с с с с с с с с с с с с с с с с с с	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
	PRINCES AND IN COMMISSION OF THE PRINCES OF THE PRI

10-2.Revision Control:

Revision	Date	Content	Remark
А	2024-5-23	New Issued.	N/A

TITLE:BT FPC Anten			S2B4BB1F1B95000	KEV.
		PART		REV.
Designed By :Andy	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Drawn By : Shelley	Checked By : Simon	CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A		
Scale :	Unit : mm	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE		
Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公司 N YINGFENG ANTENNA TECHNOLOGY	-
Folerances (Unless othe X:± 1 X.X:± θ	• •	-29		