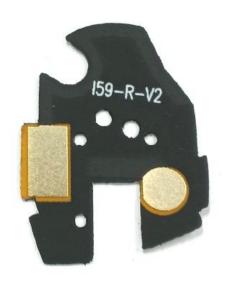
BT FPC Antenna (i59-R)

1. Explanation of Product Number

S 2 В В F В 5 4 В 6 0 (1) (2) (4) (5) (3)



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1: 20.82*15.55 *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(i59-R)		32D4DD F DU30UU		
TITLE ' DT EDC Antonno/(FO D)		PART	S2B4BB1F1B05600	REV.	
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Drawn By : Andy Checked By : Simon THIS SPECIFICATION IS THE PROPERTY OF UNICTROL CORPORATION AND SHALL NOT BE REPRODUCED					
Scale :	Unit: mm	TI IIO ODEOJEJOATI	ON 10 THE PROPERTY OF UNIOTRON TO	IINOLOGIEO	
Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公 N YINGFENG ANTENNA TECHNOLOGY	_	
•	0.1 X.XX : ± 0.01			_	
l'olerances (Unless oth	nerwise specified)				

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.

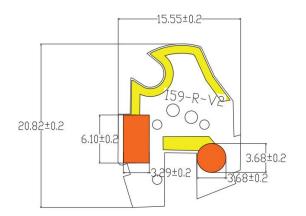
5. Antenna Electrical Specifications :

Characteristics	Specifications					Unit
Outline Dimensions		20.82*15.55 *0.15				
Frequency		24	00~2500)		MHz
Impedance			50			Ω
Polarization		Linea	r Polariza	ntion		
Return Loss Table		Return Loss				
Freq.Band	2.4G Hz 2.45G Hz			2.5G Hz		
dB	-13.62	2	-	-23.01		-12.50
VSWR Table		VSWR				
Freq.Band	2.4G	2.4G Hz 2.45G Hz 2.5			2.5G Hz	
	1.52 -1.15			1.62		
GAIN Table	Total Gain = Xpol + Ppol					
Freq.Band	2400MHz	2450	MHz	2480MHz		2500MHz
Peak Gain(dBi)	1.35	0.	96	1.95		1.51

Scale : Drawn By : Andy Designed By :Simon TITLE : BT FPC Antenn	Unit : mm Checked By : Simon Approved By :Simon	CORPORATION A	ON IS THE PROPERTY OF UNICTRON TECTOR SHALL NOT BE REPRODUCED OR UNITHOUT WRITTEN PERMISSION \$284881F1805600	
Drawn By : Andy	Checked By : Simon	CORPORATION A	ND SHALL NOT BE REPRODUCED OR U	
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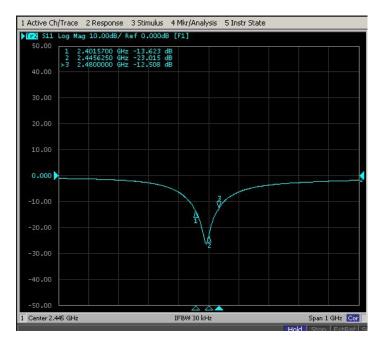
6. Dimensions (unit: mm)

blic errand: ±0.2mm



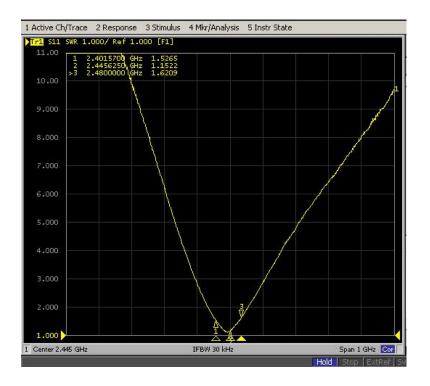
7. Measurement Characteristics:

(1) Return Loss

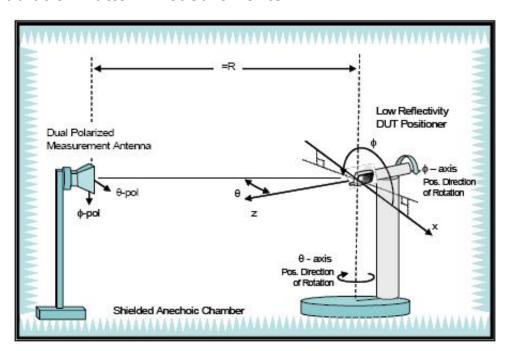


(2) VSWR

TITLE: BT FPC Antenna(i59-R)		NO.	S2B4BB1F1B05600	Α	
TITLE: DT 5D0 Automod/50 D)		PART	C2D4DD4E4D0E600	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			
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Tolerances (Unless oth X: ± 1 X.X: ±	nerwise specified) 0.1 X.XX:± 0.01	-3			



8. Three D Radiation Pattern measurements



9. Radiation Pattern

TITLE · BT FPC Antenna(159-K)		NO.	32D4DD IF ID03000	Α		
TITLE: BT FPC Antenna(i59-R)		PART	S2B4BB1F1B05600	REV.		
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGI CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A				
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Angle : ±	Hole Dia. : ±		市迎丰天线技术有限公	司		
X: ± 1	0.1 X.XX: ± 0.01					
Tolerances (Unless oth	nerwise specified)					

9-3.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:: V2.0	页码 Page: 1/1
1.产品排版: 15*5=75PCS	2.离型纸隔层摆放保护天线 Barrier paper
1.7 цциних. 10 0 7 01 00	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-	TABLE AND THE STATE OF THE STAT

10-2.Revision Control:

Revision	Date	Content	Remark
Α	2024-08-27	New Issued.	N/A

Tolerances (Unless oth X: ± 1 X.X: ±	nerwise specified) 0.1 X.XX: ± 0.01	-3			
Angle: ±	Hole Dia. : ±		市迎丰天线技术有限公司		
Scale :	Unit: mm				
Drawn By : Andy	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOG CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN			
Designed By :Simon	Approved By :Simon	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE:BT FPC Antenna(i59-R)		PART	000/00/00/00	REV.	
		NO.	S2B4BB1F1B05600	Α	
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