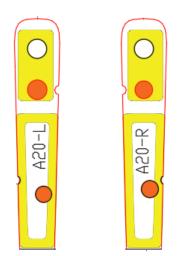
BT FPC Antenna (A20-L/R)

1. Explanation of Product Number

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



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:28.68*5.65*0.12 (mm)

(3) Material:

F: FPC

(4) Working Frequencies:

1B: 2.4G-2.5G

(5) Antenna Series:

01: Serial number

TITLE: BT FPC Antenna(A20-L/R)		NO.	S2B4BB1F1B18000	Α		
		PART	C2D 4DD4F4D40000			
Designed By :Simon	Approved By :SIMON	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Shelley	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNO CORPORATION AND SHALL NOT BE REPRODUCED OR USED				
Scale: X.X	Unit : mm	THE SPECIFICATION IS THE PROPERTY OF HINISTRON TECHNOLOG				
Angle: ±	Hole Dia.: ±					
X: ± 1	0.1 X.XX: ± 0.01					
Folerances (Unless oth	erwise specified)	-3				

2. Features

- *Stable and reliable in performances
- *RoHS compliance

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.

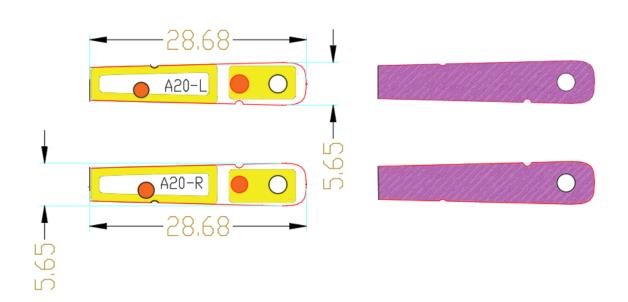
5. Antenna Electrical Specifications:

Characteristics	Specifications			Unit			
Outline Dimensions		28.68	B*5.65 *0.12			mm	
Frequency		24	00~2500)		MHz	
Impedance			50			Ω	
Polarization	Linear Polarization						
Return Loss Table			Ret	urn Loss			
Freq.Band	2.4G Hz			2.45G Hz		2.5G Hz	
dB	-14.98			-30		-15.34	
VSWR Table			VSWR				
Freq.Band	2.4G Hz		2.45G Hz		2.5G Hz		
	1.48			1.65		1.43	
GAIN Table		To	tal Gair	n = Xpol + Pp	ol		
Freq.Band	2400MHz	2450	MHz	2485MHz		2500MHz	
Peak Gain(dBi)	1.02	1.	45	1.58		1.26	

6. Dimensions (unit: mm)

Tolerances (Unless oth	nerwise specified)					
X: ± 1 X.X: ±	0.1 X.XX: ± 0.01					
Angle: ±	Hole Dia. : ±	1 深圳	市迎丰天线技术有限公	司		
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			00040045404000	REV.		
TITLE: BT FPC Antenna(A20-L/R)		NO.	S2B4BB1F1B18000	Α		
		•	PAGE 2	DF 7		

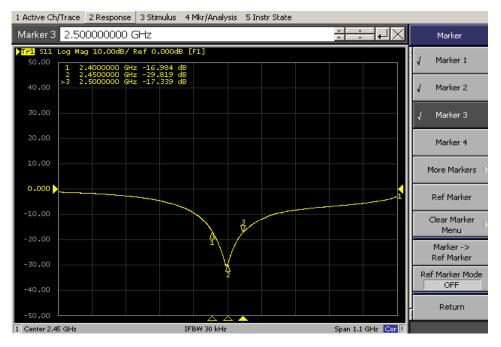
^{*}Low cost



公差: ±0.2mm

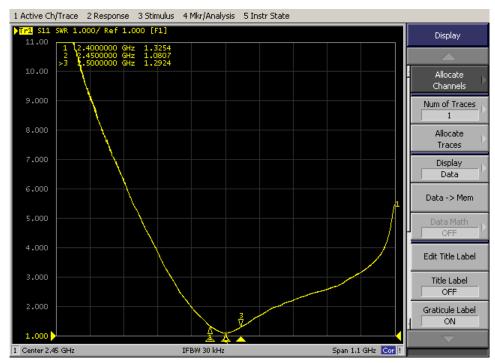
7. Measurement Characteristics:

(1) Return Loss

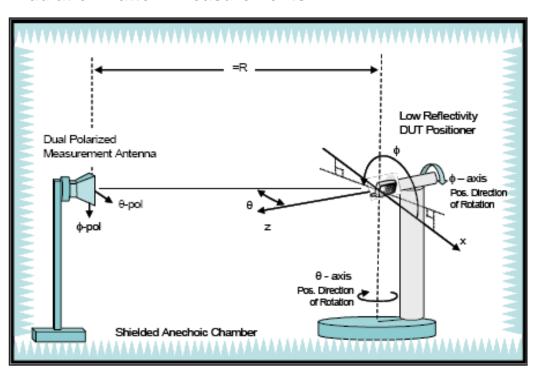


Tolerances (Unless oth	nerwise specified)						
X: ± 1 X.X: ±	0.1 X.XX: ± 0.01						
Angle: ±	Hole Dia. : ±	' 深圳	市迎丰天线技术有限公	:司			
Scale: X.X	Unit : mm	THE OPERIFICATION IS THE PROPERTY OF UNICEPON TECHNOLOGY					
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			00040045404000	REV.			
TITLE: BT FPC Antenna(A20-L/R)		NO.	S2B4BB1F1B18000	Α			
			PAGE 3	OF 7			

(2) VSWR



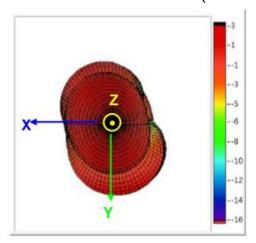
8. Three D Radiation Pattern measurements

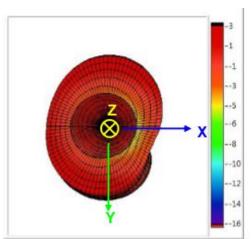


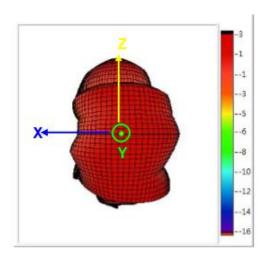
TITLE: BT FPC Antenna(A20-L/R)		NO.	3264661F1616000	Α		
		PART	S2B4BB1F1B18000	REV.		
Designed By :Simon	Approved By :SIMON	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Shelley	Checked By : Simon	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN AL				
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X: ± 1	0.1 X.XX: ± 0.01					
Tolerances (Unless oth	erwise specified)					

9. Radiation Pattern

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







TITLE: BT FPC Antenna(A20-L/R)		NO.	PAGE 5 0	A		
TITLE - DT FDC Automa (ACC L/D)		PART	S2B4BB1F1B18000	REV.		
Designed By :Simon	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 ALI				
Scale: X.X	Unit : mm	THE OPERIOR IN THE PROPERTY OF UNICEPON TECHNOLOGIE				
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9-2.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 (%)	27.9	32.3	30	29	28.7	26
Gain (dBi)	1.02	1.15	1.24	1.23	1.06	0.95

10.Revision Control:

Revision	Date	Content	Remark
Α	Mar.5.2021	New Issued.	N/A

TITLE L DT EDO Autom		PARI	S2B4BB1F1B18000	REV.		
TITLE: BT FPC Antenna(A20-L/R)		DADT	PART SORABBAEABAROOD			
Designed By :Simon	Approved By :SIMON	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Drawn By : Shelley	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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Tolerances (Unless othe X: ± 1 X.X: ± 0	• •	-3				