

# 2. Features

\*Stable and reliable in performances \*RoHS compliance \*Low cost

## 3. Applications

\*BT

## 4. Description

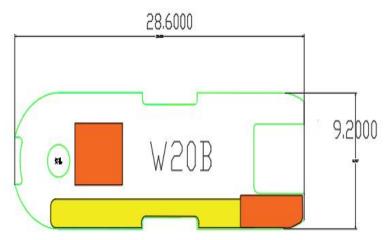
\* YINGFENMG FPCB antenna series are specially designed for 2.4G-2.5G band application. Based on YINGFENG proprietary designs and processes, this FPCB antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

## 5. Antenna Electrical Specifications :

Characteristics	Specifications			Unit			
Outline Dimensions		28.6	6*9.2*0.12			mm	
Frequency		24	00~2500	)		MHz	
Impedance			50			Ω	
Polarization	Linear Polarization						
Return Loss Table		Return Loss					
Freq.Band	2.4G Hz		2.45G Hz			2.5G Hz	
dB	-16.98 -29.81		17.34				
VSWR Table		VSWR					
Freq.Band	2.4G Hz		2.45G Hz			2.5G Hz	
	1.32	1.32 1.08			1.29		
GAIN Table	Total Gain = Xpol + Ppol						
Freq.Band	2400MHz	2450	MHz	2485MHz		2500MHz	
Peak Gain(dBi)	1.02	1.1	15	1.24		1.23	

Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01		深圳	深圳市世纪联发电子有限公司			
Angle : ±	Hole Dia. : ±			-•••		
Scale :	Unit: mm					
Drawn By : Shelley	Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGII			
Designed By :Simon	Approved By :Frank	CIRCUMSTANCES	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
				REV.		
TITLE: WIFI FPCB AI	ntenna (W20-L/R)	NO.	S2B4BB1F1B20000	В		
			PAGE 2 O	F 6		

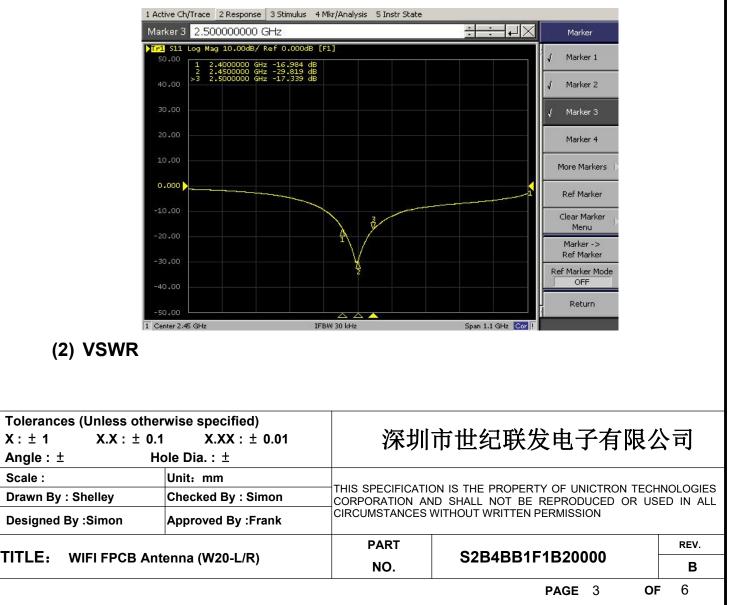
## 6. Dimensions (unit: mm)

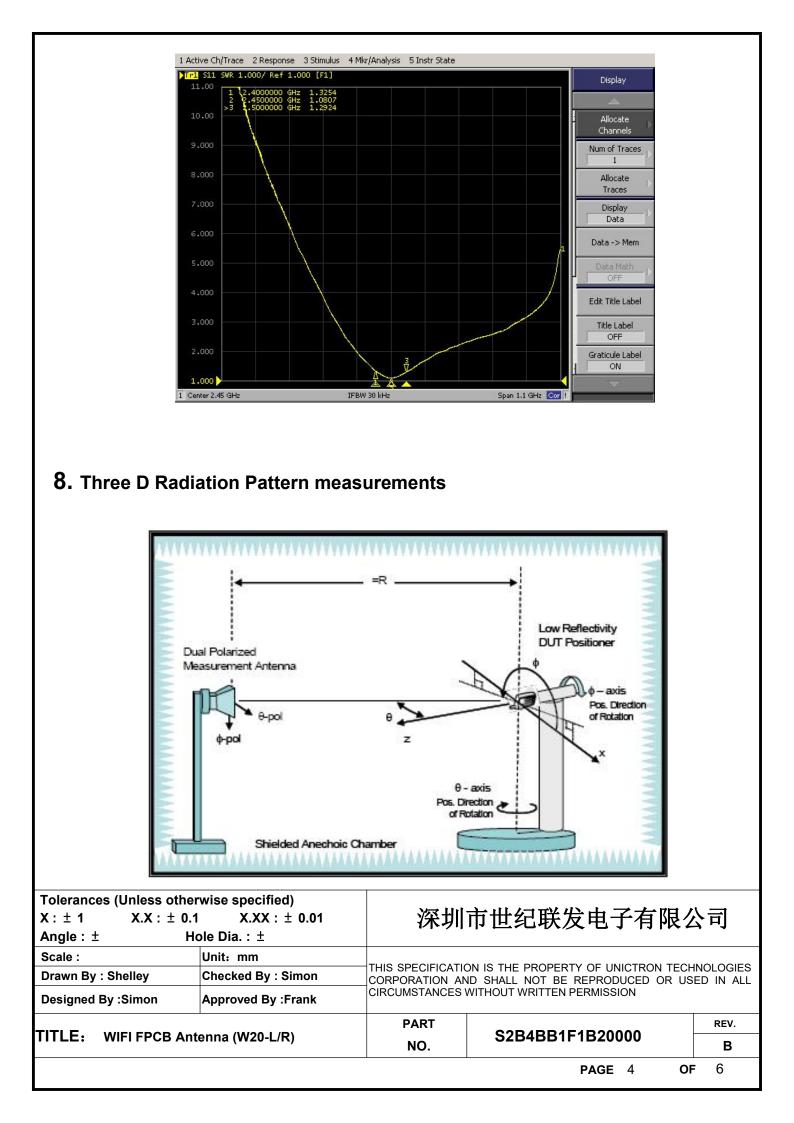


# s

#### 7. Measurement Characteristics:

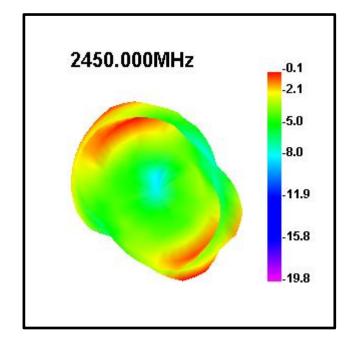
#### (1) Return Loss

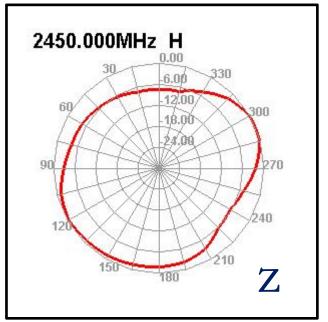


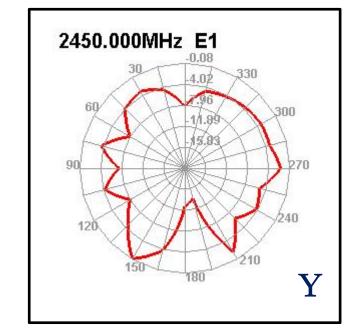


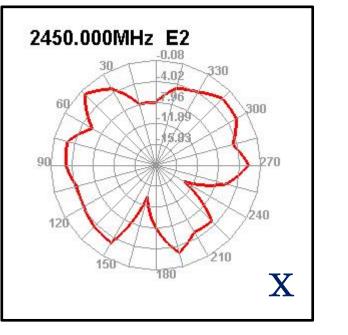
# 9. Radiation Pattern

9-1.2D Gain complete machine (Radiation Pattern at 2450 MHz)









Tolerances (Unless otherwise specified)							
X:±1 X.X:±	0.1 X.XX : ± 0.01	- 深圳	深圳市世纪联发电子有限公司				
Angle : ±	Hole Dia. : ±						
Scale :	Unit: mm						
Drawn By : Shelley	Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION				
Designed By :Simon	Approved By :Frank	CIRCUMSTANCES					
		PART		REV.			
TITLE: WIFI FPCB	Antenna (W20-L/R)	NO.	S2B4BB1F1B20000	В			
		·	PAGE 5 C	<b>DF</b> 6			

## 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	29.3	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
А	2022-03-26	New Issued.	N/A

出货方式

Tolerances (Unless otherwise specified)X : ± 1X.X : ± 0.1X.XX : ± 0.01		深圳	深圳市世纪联发电子有限公司			
Angle : ±	Hole Dia. : ±					
Scale :	Unit: mm					
Drawn By : Shelley	Checked By : Simon		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
Designed By :Simon	Approved By :Frank	CIRCUMSTANCES				
		PART	00040045400000	REV.		
TITLE: WIFI FPCB Ar	ntenna (W20-L/R)	NO.	NO. S2B4BB1F1B20000			
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