WIFI PCB Substrate Antenna (SZ002)

1. Explanation of Part Number

H 2 B 1 B C 1 A 1 B 0 2 0 0 (1) (2) (3) (4) (5) (6)



Product Code:

(1) Product Categories:

B1: PCB Substrate Antenna

(2) Application:

B: WiFi

(3) Dimensions:

C1: 28x7.6x0.6(mm)

(4) Material:

A: Fr-4

(5) Working Frequencies:

1B: 2400~2500MHz/linear polarization

(6) Antenna Series:

02: Serial number

Tolerances (Unless otherwise specified) X: ± 1		Unictr Technologies	Unictron Technologies Corp. Website: www.unictron.	Unictron Technologies Corporation Website: www.unictron.com	
Scale :	Unit: mm	THE OPERIOR TON IN THE PROPERTY OF UNIOTRON TENINGLOOD			
Drawn By : Gilespi Checked By : Jason		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
Designed By : Joe	Approved By : Jaixing	g CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: WIFI PCB Substrate Antenna (SZ002) DOCUMENT NO. H2B1BC1A1B0200		REV.			
		NO.	HZB1BC1A1B0200	Α	

2. Features

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

3. Applications

*WIFI / Bluetooth systems

4. Description

*Unictron's WiFi antenna is specially designed for Wi-Fi applications. It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

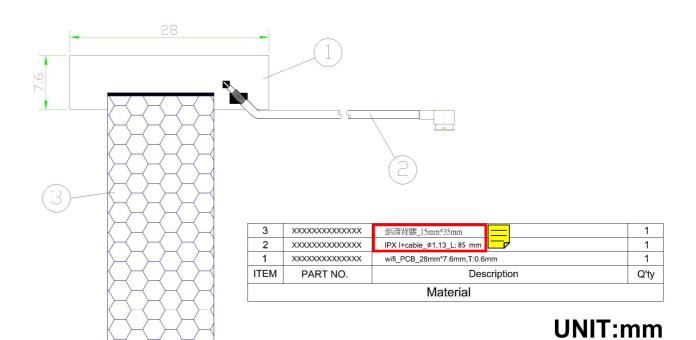
5. Electrical Specifications

WIFI:

Characteristics	Specifications				Unit	
Outline Dimensions	28 x 7.6			mm		
Frequency		24	00~2500)		MHz
Impedance			50			Ω
Polarization		Linear	· 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	VSWR					
Freq.Band	2.4G	Hz	2.45G Hz			2.5G Hz
	1.32			1.08		1.29
GAIN Table	Total Gain = Xpol + Ppol					
Freq.Band	2400MHz 2450		MHz	2485MHz		2500MHz
Peak Gain(dBi)	0.56	1.2	21	0.15		-0.28

Tolerances (Unless otherwise specified) X: ± 1		Unictron Technologies Corpo Website: www.unictron.co			
Scale :	Unit: mm	THE OPENING THE PROPERTY OF INJUSTICAL TECHNICION			
Drawn By : Gilespi	Checked By : Jason	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGICAL CORPORATION AND SHALL NOT BE REPRODUCED OR USED II			
Designed By : Joe	Approved By : Jaixing	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: WIFI PCB Substrate Antenna (SZ002)		DOCUMENT	U2D4DC4A4D0200	REV.	
		NO.	H2B1BC1A1B0200	Α	

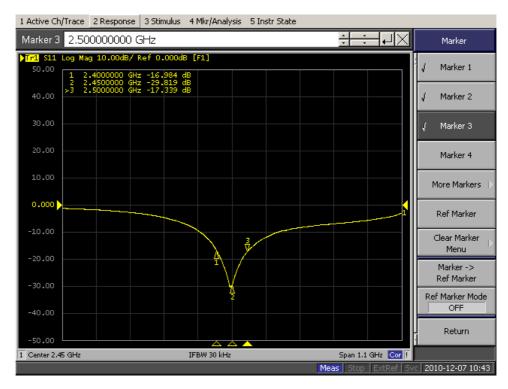
6. Dimensions (unit: mm)



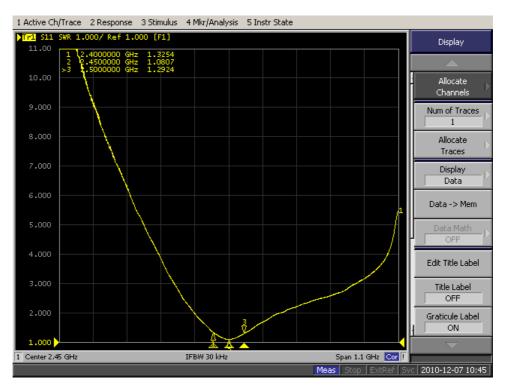
Tolerances (Unless otherwise specified) X: ± 1		Unictron Technologies Corporation Website: www.unictron.com			
Scale :	Unit: mm	THE OPERIOR TO USE THE PROPERTY OF INHOTON TECHNOLOGIC			
Drawn By : Gilespi Checked By : Jason		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
Designed By : Joe	Approved By : Jaixing	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: WIFI PCB Substrate Antenna (SZ002)		DOCUMENT	110040044400000	REV.	
		NO.	H2B1BC1A1B0200	Α	

8. Electrical Characteristics

(1) Return Loss

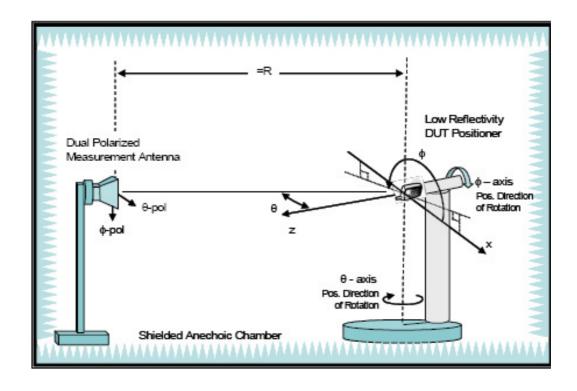


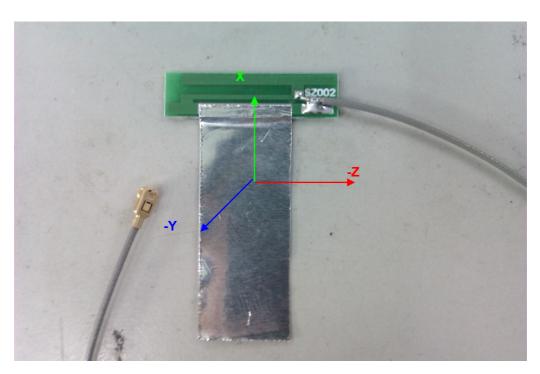
(2) VSWR



Tolerances (Unless otherwise specified) X: ± 1		Unictron Technologies Corpora Website: www.unictron.com		
Scale :	Unit: mm	THE OPERIOR THE PROPERTY OF INHOTEON TECHNICLES		
Drawn By : Gilespi	Checked By : Jason	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIE CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Designed By : Joe	Approved By : Jaixing			
				REV.
TITLE: WIFI PCB Substrate Antenna (SZ002)		NO.	H2B1BC1A1B0200	Α

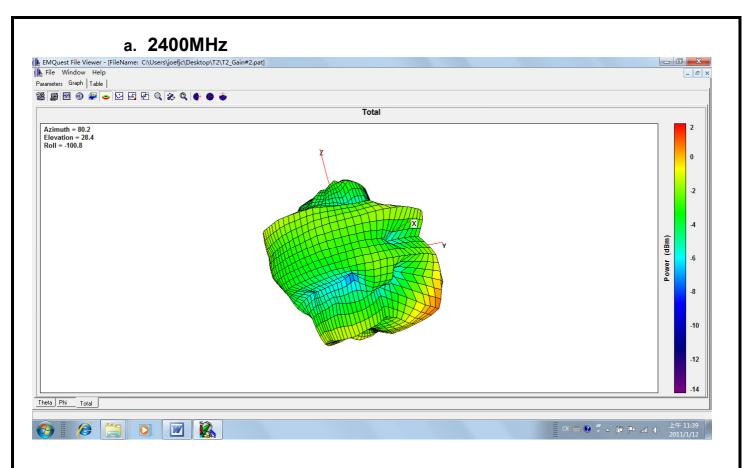
9. Three D Radiation Pattern



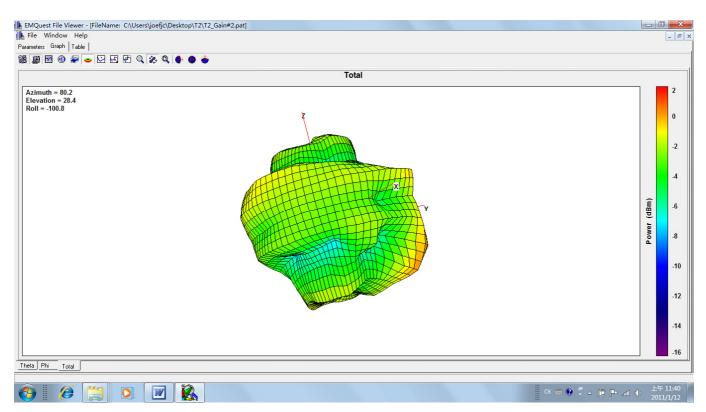


The definition of the measurement face

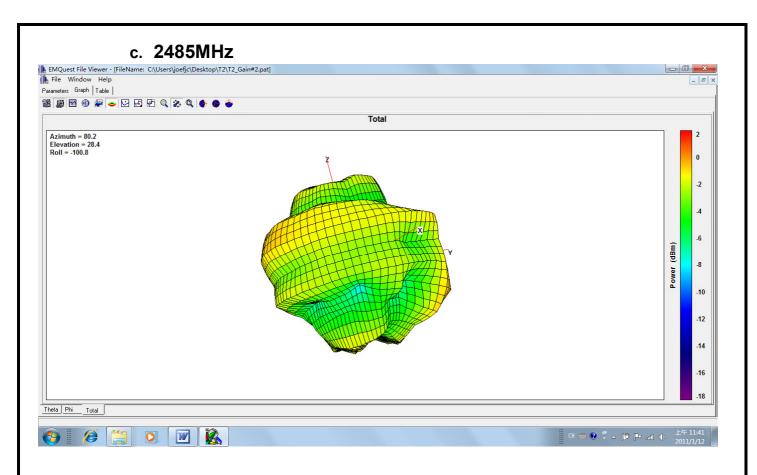
Tolerances (Unless otherwise specified) X: ± 1		Unictron Technologies Corporat Website: www.unictron.com			
Scale :	Unit: mm	THE OPERISON IN THE PROPERTY OF UNIOTRON TECHNOLOGICA			
Drawn By : Gilespi	Checked By : Jason	THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGI CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN A			
Designed By : Joe	Approved By : Jaixing	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
				REV.	
TITLE: WIFI PCB Substrate Antenna (SZ002)		NO.	H2B1BC1A1B0200	Α	



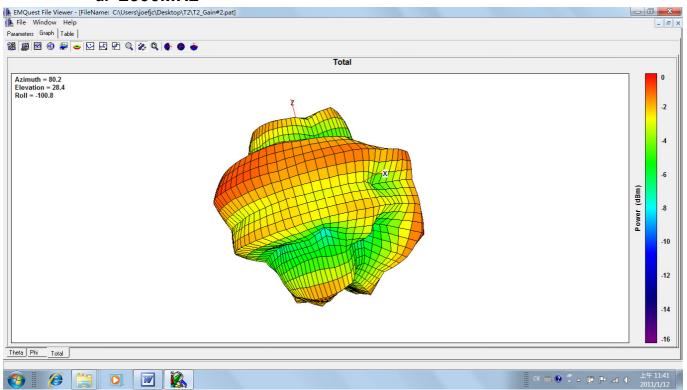
b. 2450MHz



Tolerances (Unless of X: ± 1 X.X: ± Angle: ±	• •	Unictron Technologies Corporation Website: www.unictron.com			
Scale :	Unit: mm	THE OPERITOR THE PROPERTY OF INVESTIGATION TOURISMS			
Drown Dy (Cilconi Chooked Dy (Josep		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL			
Designed By : Joe	Approved By : Jaixing	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION			
TITLE: WIELDOD O	th attacks. And a man (07000)	DOCUMENT	U2D4DC4A4D0200	REV.	
TITLE: WIFI PCB Substrate Antenna (SZ002)		NO.	H2B1BC1A1B0200	Α	



d. 2500MHz



Tolerances (Unless otherwise specified) X: ± 1		Unictr	Unictron Technologies Corporation Website: www.unictron.com	
Scale :	Unit: mm	THE OPERIOR IN THE PROPERTY OF HARMTON TECHNOLOGICA		
Drawn By : Gilespi Checked By : Jason		THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL		
Designed By : Joe	Approved By : Jaixing	CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
TITLE: WIFI PCB Substrate Antenna (SZ002)		DOCUMENT	110040044400000	REV.
		NO.	H2B1BC1A1B0200	Α