

1.Explanation of Product Number

01: serial number

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2.Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3.Applications

- * IEEE802.11 (a/b/g/n/ac).
- * Hand-held devices when WiFi / BT (802.11a/ b/g/n/ac) functions are needed.

4.Description

Unictron' s FPC antenna with cable series are specially designed for IEEE802.11(a/b/g/n/ac) applications. Based on Unictron' s proprietary design and processes, this antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5.Electrical Specifications

5-1. Electrical Table (2400~2500MHz Band)

Characteristics		Specifications	Unit
Outline Dimensions		25 x 6.0 x 0.5	mm
Center Frequency		2400~2500	MHz
Bandwidth		90 min.	MHz
VSWR		2 max.	
Impedance		50	Ω
Polarization		Linear Polarization	
Gain*	Peak	0.9 (typical)	dBi
	Efficiency	56(typical)	%

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

Prepared By :Shelley Checked By Joy

Approved By : Frank



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TITLE: 25.0 x 6.0 x 0.5 (mm) WiFi Dual Band PCB Antenna with Cable (P2507-00) Engineering Specification

**PART
NO.**

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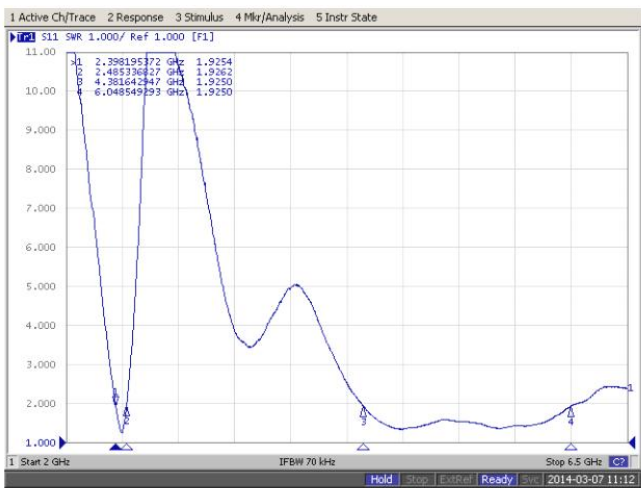
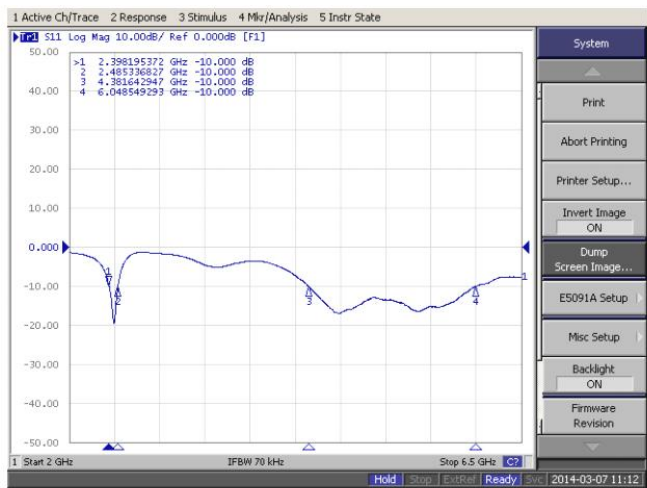
5-2. 4900~5900 MHz Band

Characteristics		Specifications	Unit
Center Frequency		4900~5900	MHz
Bandwidth		90 min.	MHz
VSWR		2 max.	
Impedance		50	Ω
Polarization		Linear Polarization	
Gain*	Peak	2.9 (typical)	dBi
	Efficiency	68(typical)	%

6.Return Loss & VSWR

Return Loss (S_{11})

VSWR (S_{11})



Tolerances (Unless otherwise specified)
X : ± 1 X.X : ± 0.1 X.XX : ± 0.01
Angle : \pm Hole Dia. : \pm

Scale :	Unit: mm
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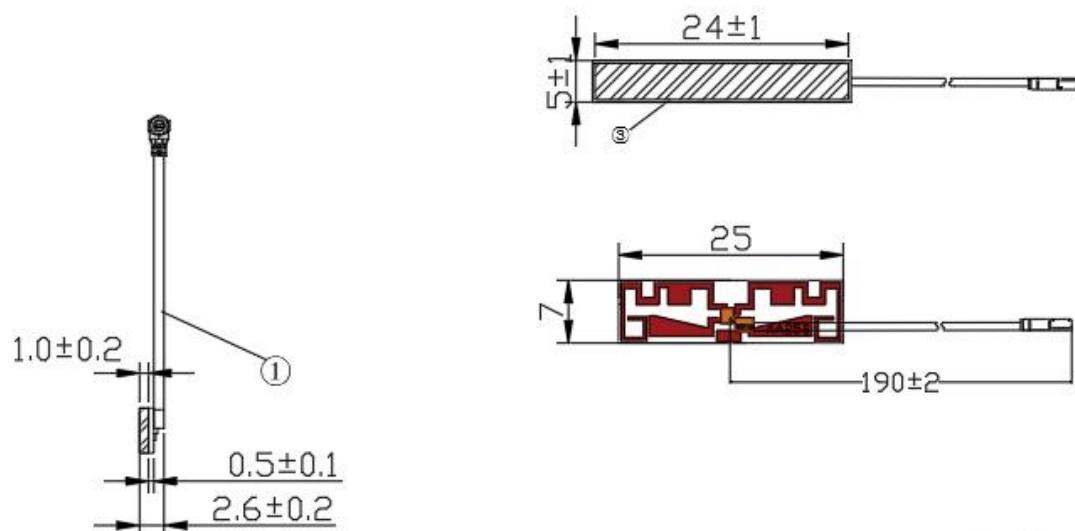
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7. Antenna Dimensions (unit: mm) .



Unit : mm

3	3M9448A(24*5.0*1mm)	1
2	P-0322-00 (25*6*0.5mm)	1
1	0.81*190mm+USS RF 二代	1
ITEM	Description	Q'ty
	Material	

Tolerances (Unless otherwise specified)

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Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

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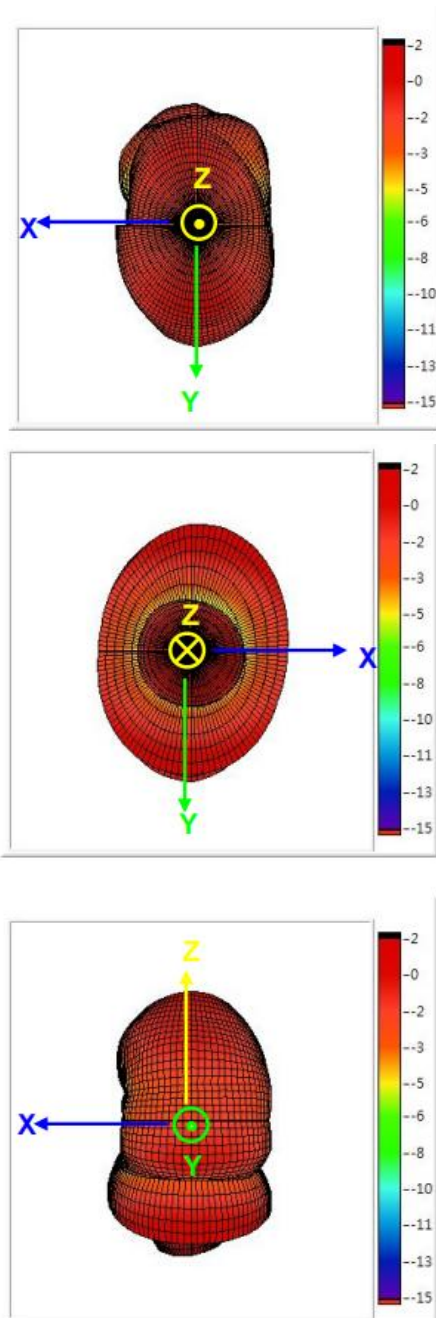
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8. Radiation Pattern

8-1. 2400~2500 MHz Band

8-1-1. 3D Gain Pattern @ 2442 MHz (unit: dBi)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

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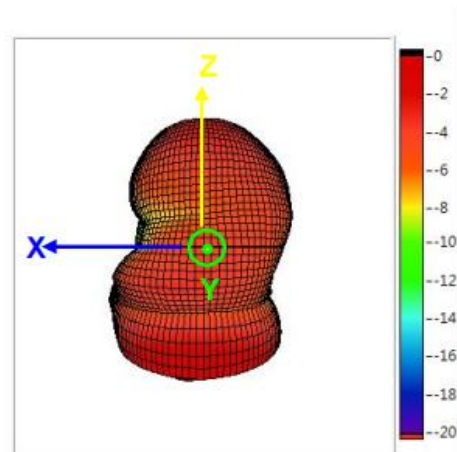
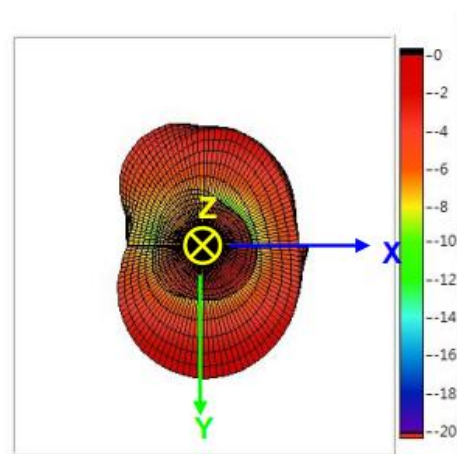
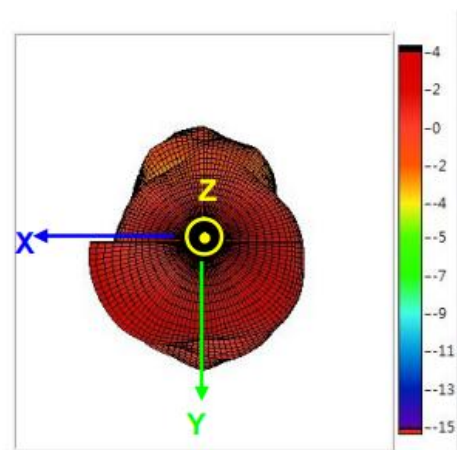
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8-2. 3D Gain Pattern @ 4900MHz (unit: dBi)



Tolerances (Unless otherwise specified)

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Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

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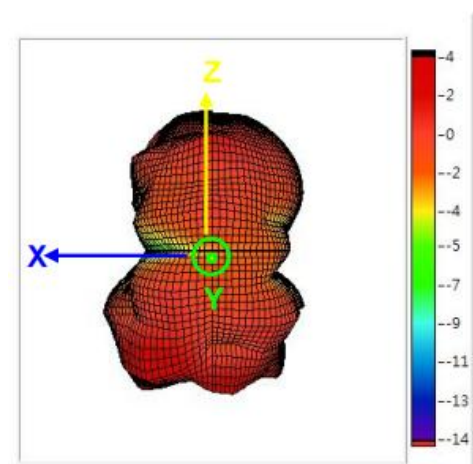
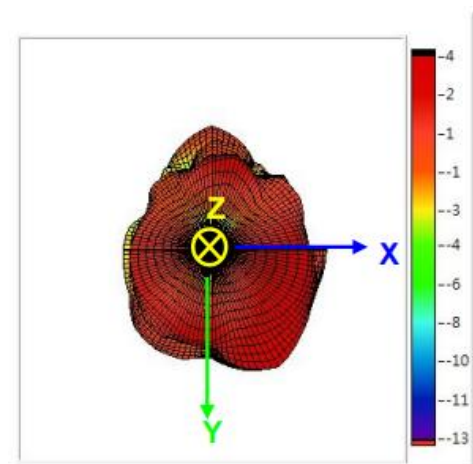
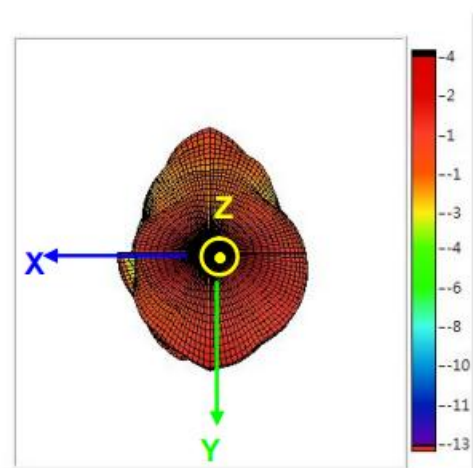
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8-2-2. 3D Gain Pattern @ 5150 MHz (unit: dBi)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

Scale :

Unit: mm

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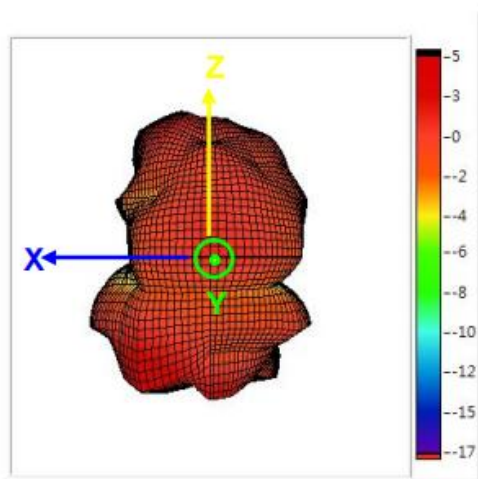
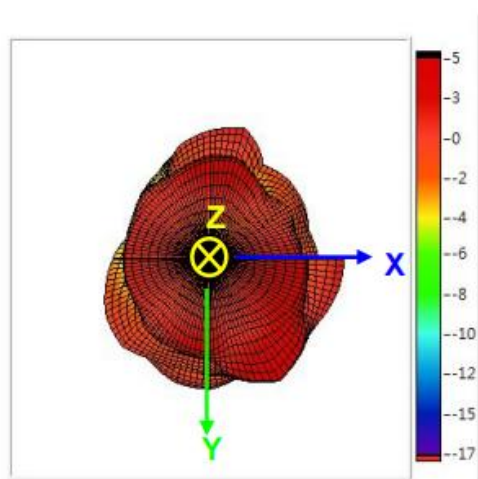
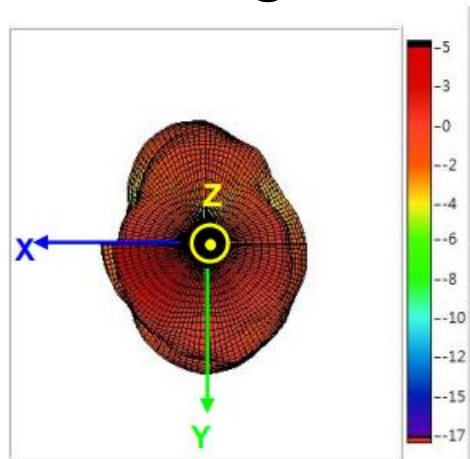
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8-2-3. 3D Gain Pattern @ 5500 MHz (unit: dBi)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

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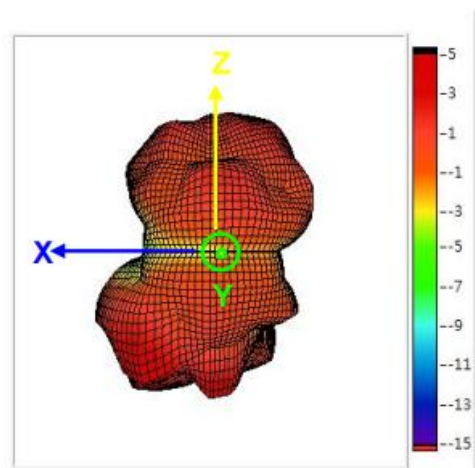
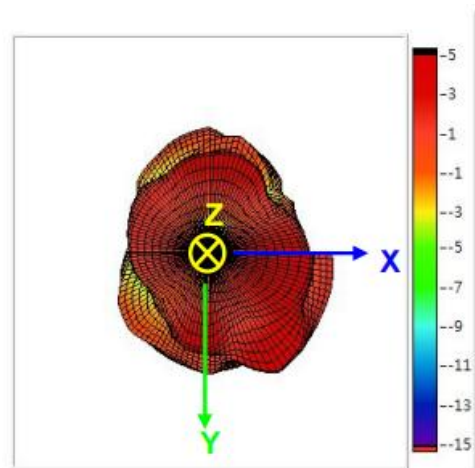
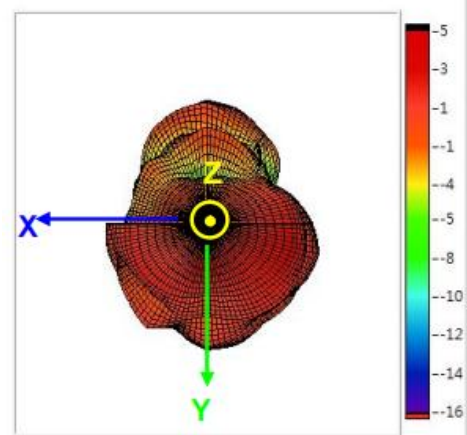
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8-2-4. 3D Gain Pattern @ 5850 MHz (unit: dBi)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm

Scale : Unit: mm

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9.Packing Intruduction

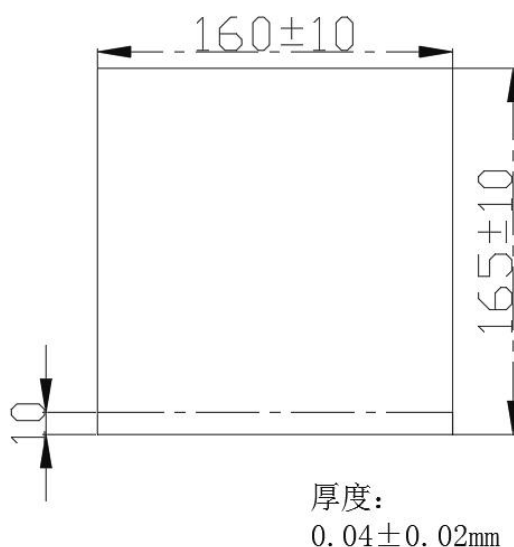
9.1 Quantity/Packing: 25/ parcel ; 2500PCS/ carton


9.2 parcel type(unit:mm)

包装如下图:

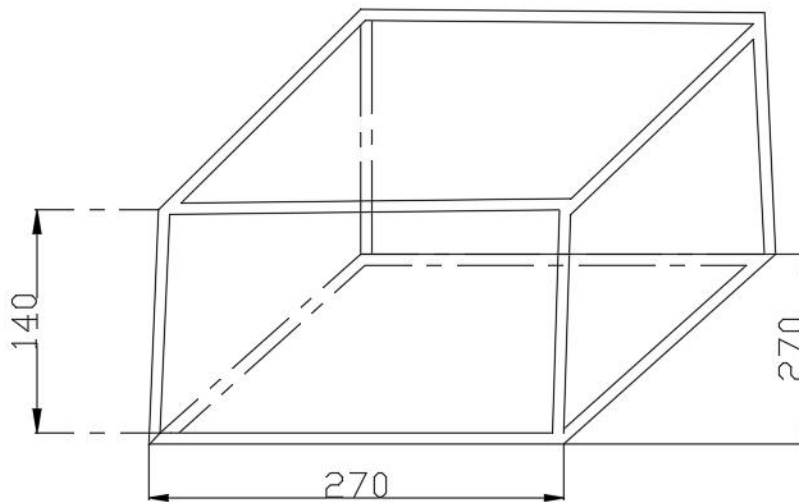


9.3 PE 袋尺寸



Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01 Angle : ± Hole Dia. : ±		 Unictron Technologies Corporation Website: www.unictron.com	
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9.4 Carton type(unit:mm)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm Hole Dia. : \pm



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Scale :

Unit: mm

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10. Revision Control:

Revision	Date	Content	Remark
A	May.31.2023	New Issued.	N/A

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Angle : \pm Hole Dia. : \pm

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