

# SPECIFICATIONS

CUSTOMER: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_ Unipolar antenna Specification

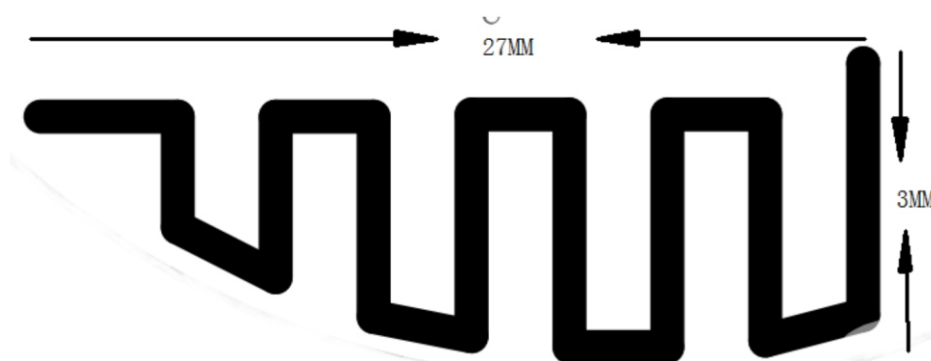
CUSTOMER PART No: \_\_\_\_\_

OUR MODEL NO: \_\_\_\_\_ Unipolar antenna Specification

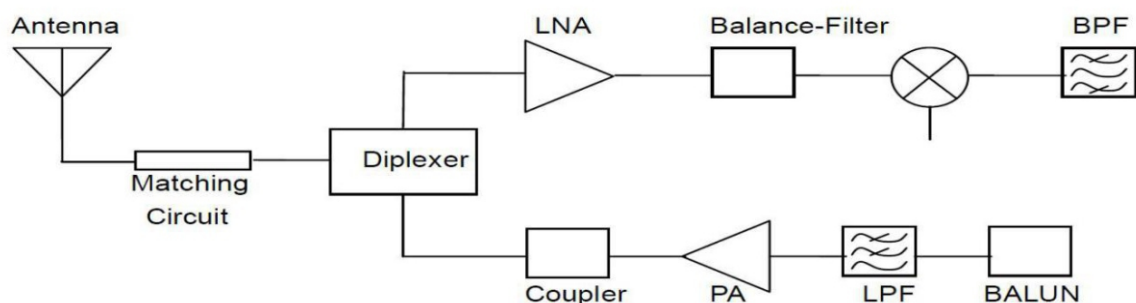
DATE: \_\_\_\_\_ 2020/12/22

PLEASE RETURN TO US ONE COPY OF “SPECIFICATION FOR APPROVAL”  
WITH YOUR APPROVED SIGNATURES

Aperture



UNLESS OTHER SPECIFIED TOLERANCES ON: X=±      X.X=±      X.XX=± ANGLES = ±      HOLEDIA = ±		Shenzhen Pengbanxingye Technology Co., Ltd 605, Building 4, 1970 Science and Technology Park, Minzhi Community, Minzhi Street, Longhua District, Shenzhen, China	
SCALE: N/A	UNIT: mm	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450      Specification		DOCUMENT NO.	SPEC REV. P1

**APPLICATION GUIDE****5. SPECIFICATIONS:**

No.	Product number	PBX3216DA01	
1	Central Frequency	2440	MHz
2	Bandwidth	100 (Min.)	MHz
3	Return Loss	-11.96 (Max.)	dB
4	Peak Gain	0.8	dBi
5	Impedance	50	$\Omega$
6	Operating Temperature	-40~+85	$^{\circ}\text{C}$
7	Maximum Power	5	W
8	Resistance to soldering heat	10 (@260 $^{\circ}\text{C}$ )	Sec.
9	Polarization	Linear	
10	Azimuth Beam width	Omni-directional	
11	Termination	Sn (leadless)	

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±      X.X=±      X.XX=

ANGLES = ±      HOLEDIA = ±

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

Shenzhen Pengbanxingye Technology Co., Ltd

605, Building 4, 1970 Science and Technology Park, Minzhi Community, Minzhi Street, Longhua District, Shenzhen, China

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

TITLE: CHIP2450

Specification

DOCUMENT  
NO.

SPEC REV.

P1

## 6. Electrical Characteristics :



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.83	-1.86	-2.97
Peck Gain (dBi)	<b>0.8</b>	<b>0.75</b>	<b>1.1</b>
Efficiency (%)	65.5	65.22	50.45

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±      X.X=±      X.XX=

ANGLES = ±      HOLEDIA = ±

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

TITLE: CHIP2450

Specification

Shenzhen Pengbanxingye Technology Co., Ltd

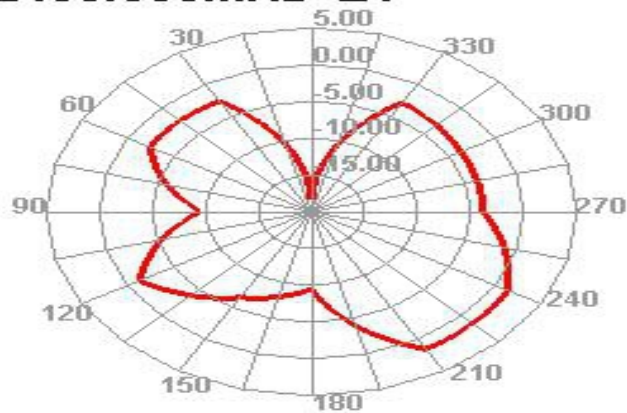
605, Building 4, 1970 Science and Technology Park, Minzhi Community,  
Minzhi Street, Longhua District, Shenzhen, ChinaTHESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY  
TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS  
THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR  
DEVICES WITHOUT PERMISSIONDOCUMENT  
NO.

SPEC REV.

P1

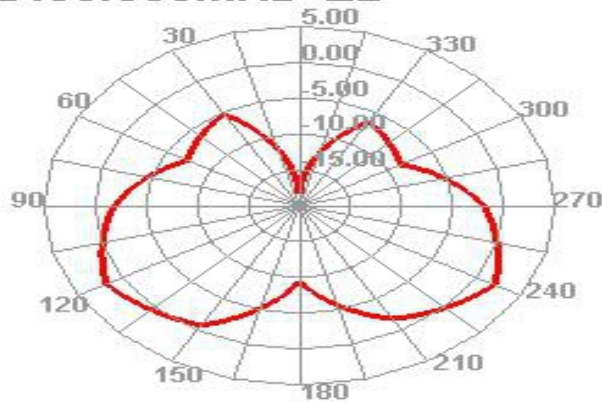
## X-Y Plane

2450.000MHz E1



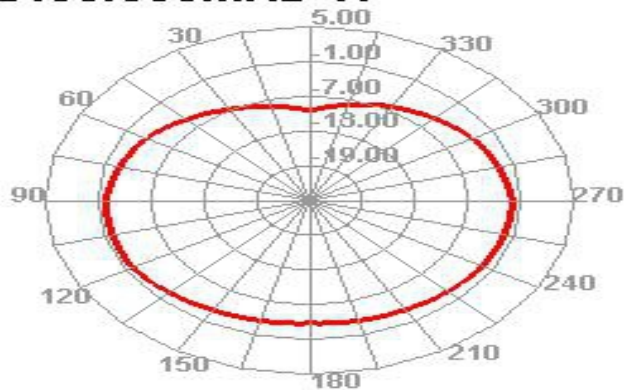
## X-Y Plane

2450.000MHz E2



## X-Y Plane

2450.000MHz H



UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=

ANGLES = ± HOLEDIA = ±

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

Shenzhen Pengbanxingye Technology Co., Ltd

605, Building 4, 1970 Science and Technology Park, Minzhi Community,  
Minzhi Street, Longhua District, Shenzhen, ChinaTHESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY  
TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS  
THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR  
DEVICES WITHOUT PERMISSION

TITLE: CHIP2450

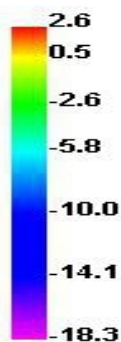
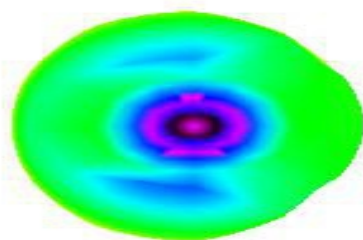
Specification

DOCUMENT  
NO.

SPEC REV.

P1

### 3D Radiation Pattern

**2450.000MHz**

UNLESS OTHER SPECIFIED TOLERANCES ON:

**X=±**      **X.X=±**      **X.XX=**  
**ANGLES = ±**      **HOLEDIA = ±**

**SCALE: N/A****UNIT: mm****DRAWN BY : Sera****CHECKED BY: XD****DESIGNED BY: Sera****APPROVED BY: XD**

Shenzhen Pengbanxingye Technology Co., Ltd

605, Building 4, 1970 Science and Technology Park, Minzhi Community,  
Minzhi Street, Longhua District, Shenzhen, ChinaTHESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY  
TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS  
THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR  
DEVICES WITHOUT PERMISSION**TITLE: CHIP2450****Specification****DOCUMENT  
NO.****SPEC REV.****P1**