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	客户型号: CUSTOMER	PART NO:						
	产品型号:							
		NO:	PB	X1608N	<b>A</b>	02		
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	确认签字,盖章后请返回承认书一份 PLEASE RETURN TO US ONE COPY OF "SPECIFICATION FOR APPROVAL" WITH YOUR APPROVED SIGNATURES							L <b>"</b>
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### **PBX1608MA02 Specification**

Operating Temp. : -40 ℃~+85 ℃

### 1. FEATURES:

- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

## 2. APPLICATIONS:

DRAWN BY : Sera

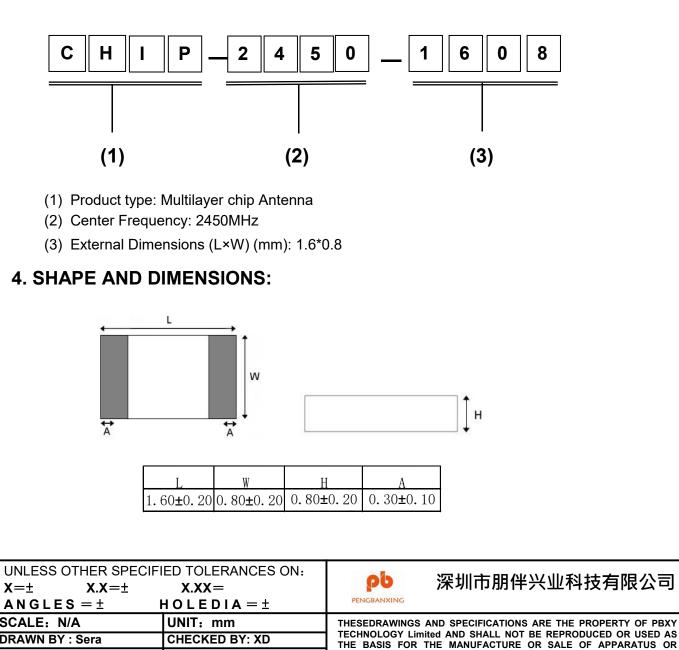
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APPROVED BY: XD

- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

# **3. PRODUCT IDENTIFICATION**



DEVICES WITHOUT PERMISSION

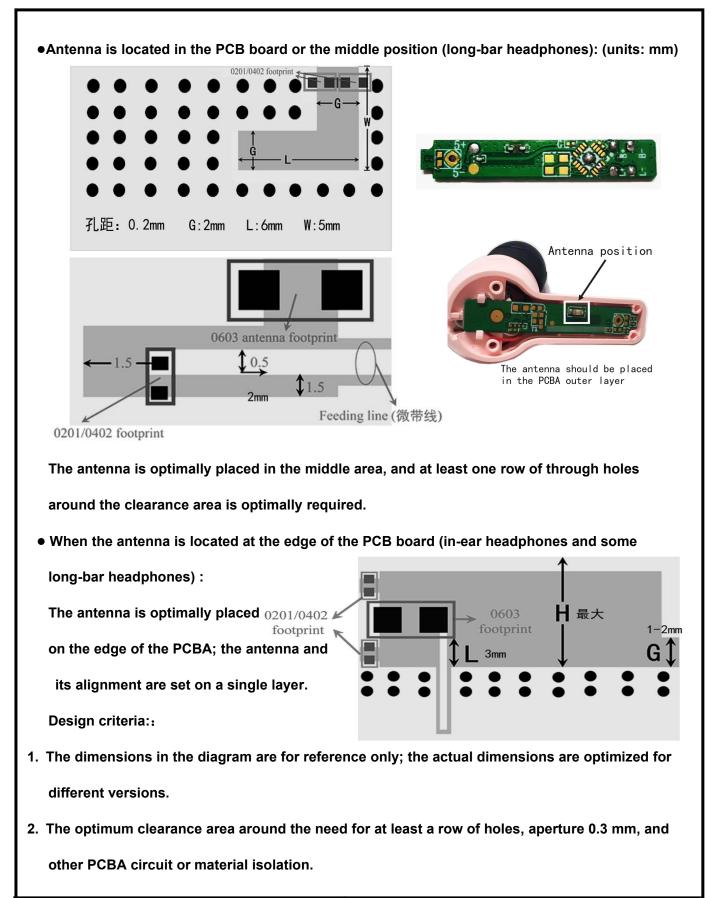
1608

DOCUMENT

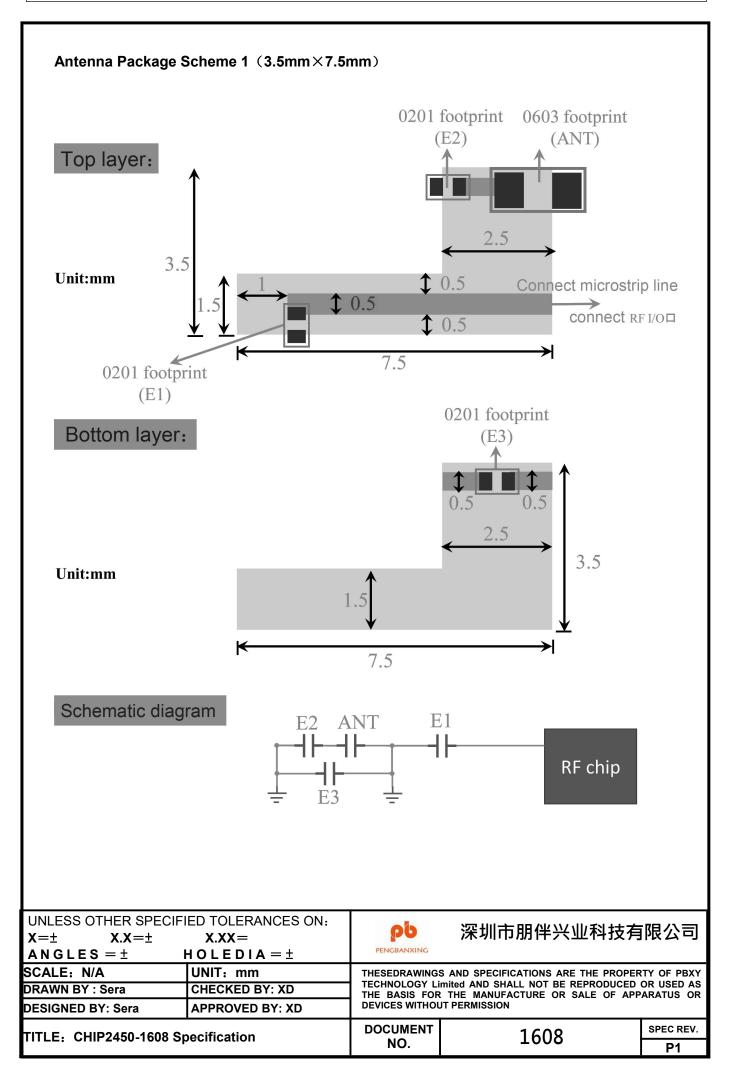
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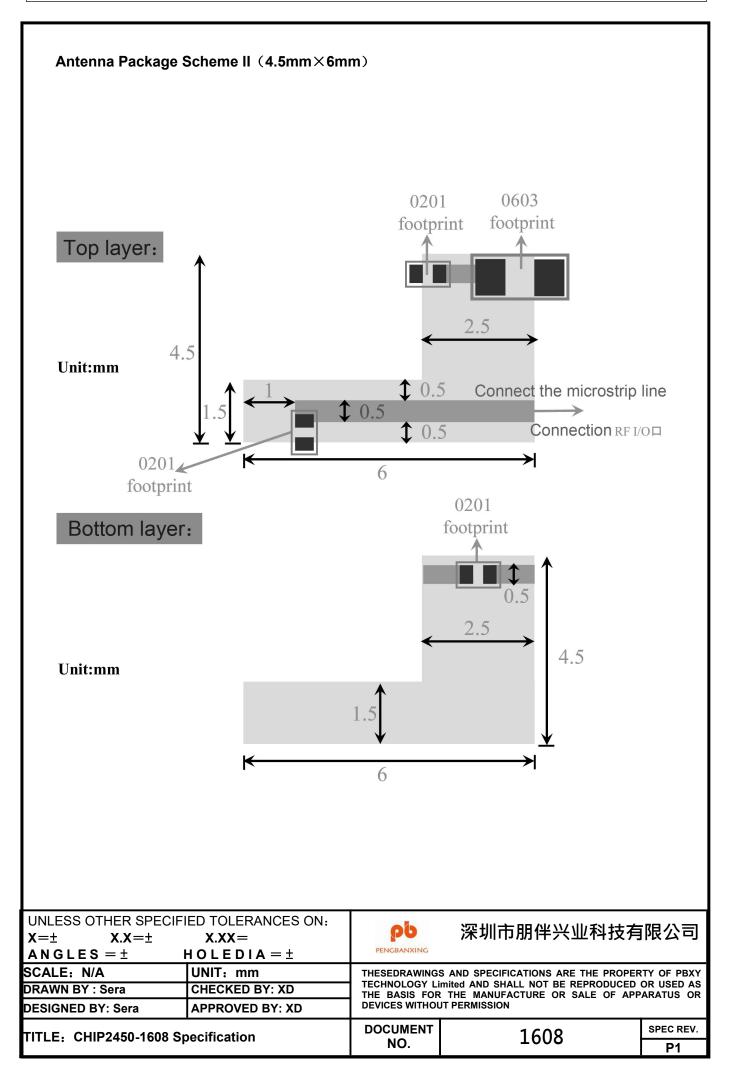
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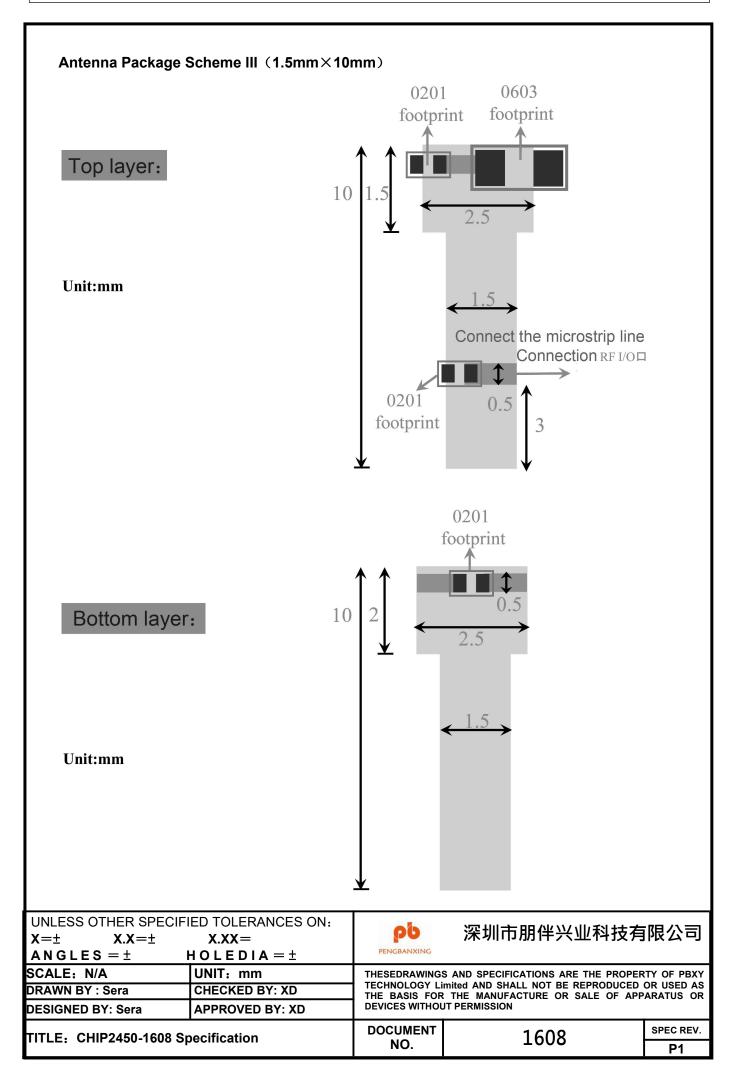
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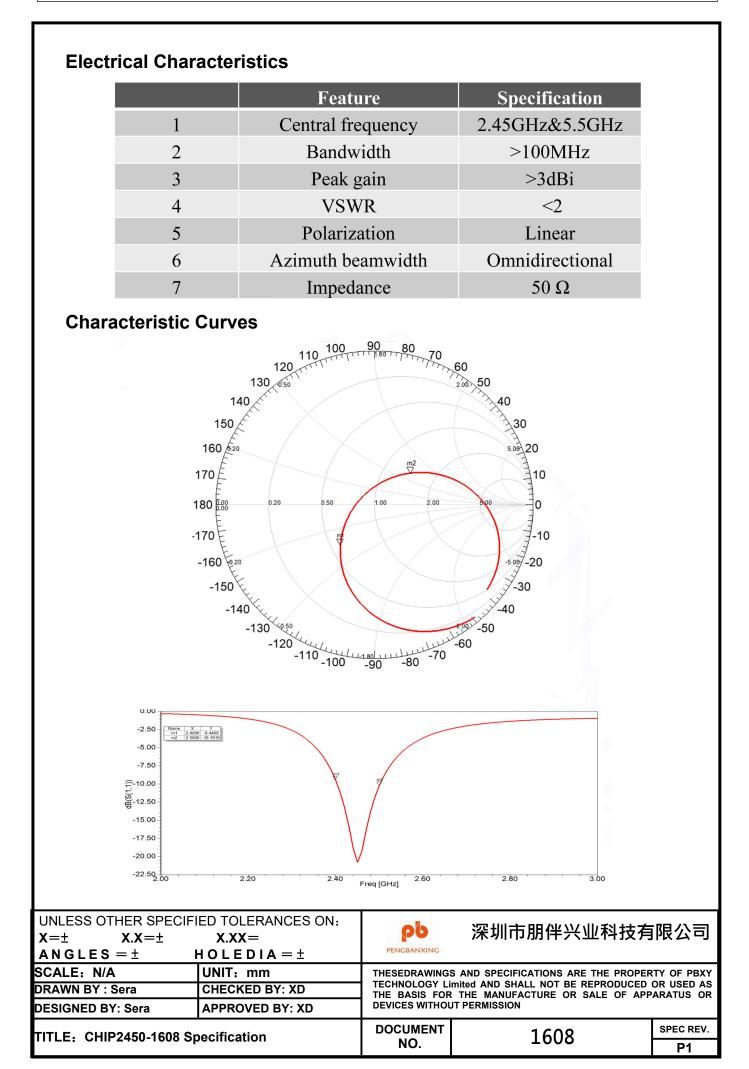


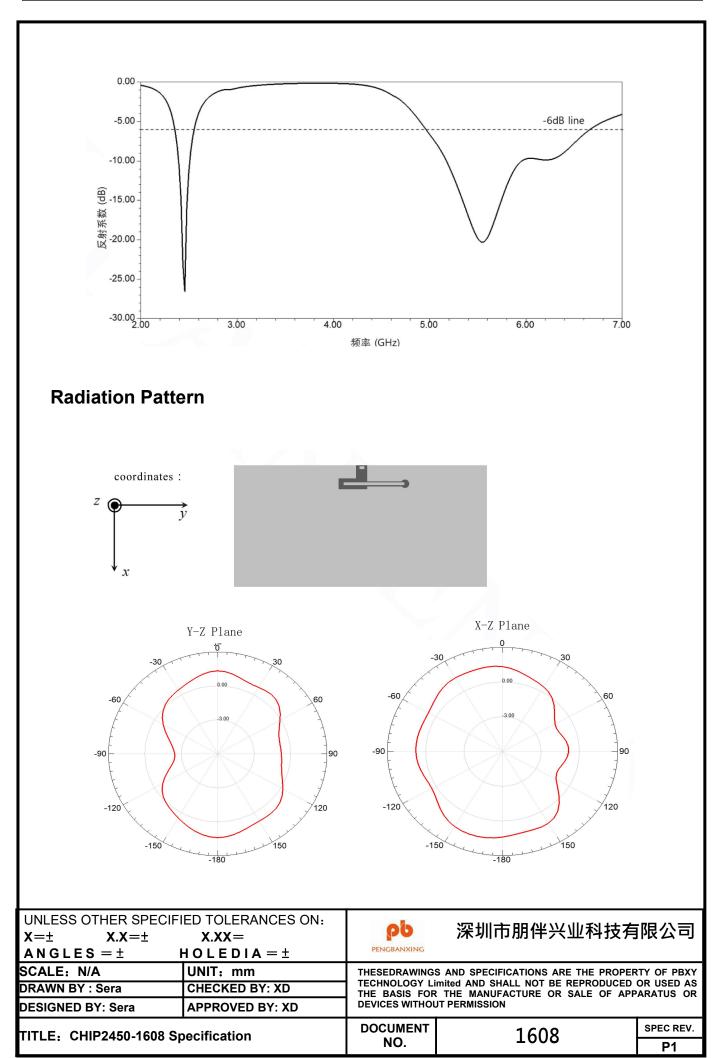
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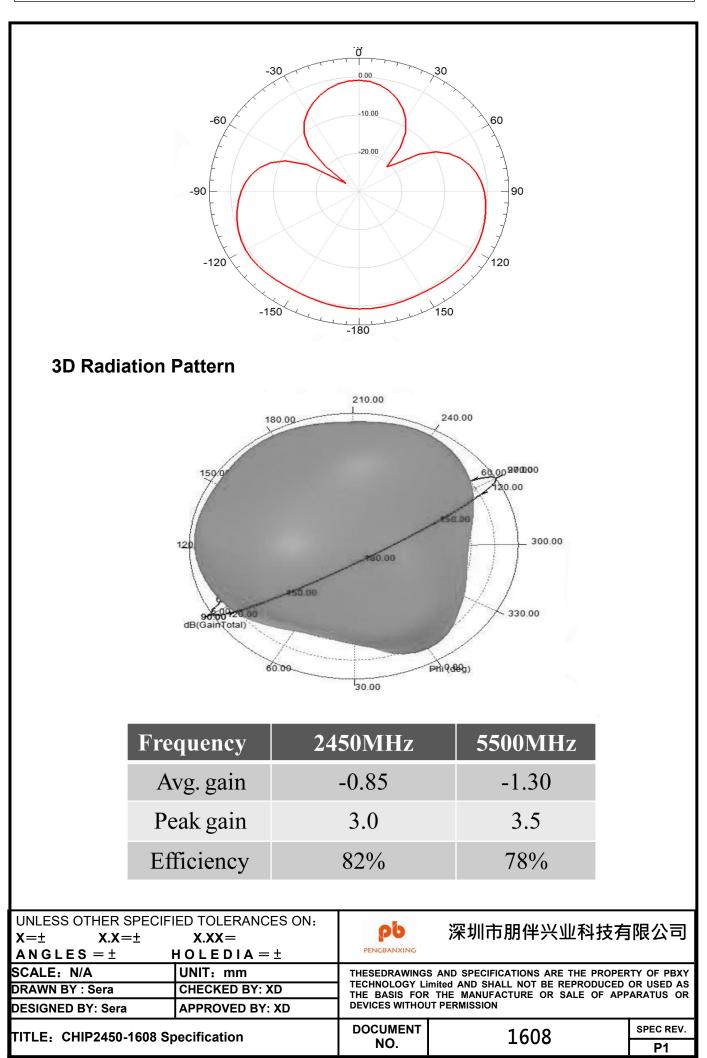






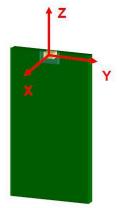


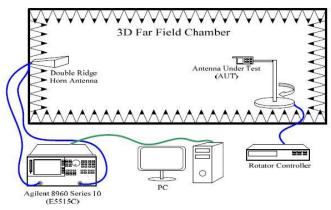




#### **Radiation Pattern**

The Gain pattern is measured in FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.





## **Environmental Characteristics**

### (1) Reliability Test

Item	Condition	Specification	
Thermal shock	1. $30\pm3$ minutes at $-40^{\circ}$ C $\pm5^{\circ}$ C, 2. Convert to $\pm105^{\circ}$ C (5 minutes) 3. $30\pm3$ minutes at $\pm105^{\circ}$ C $\pm5^{\circ}$ C, 4. Convert to $-40^{\circ}$ C (5 minutes) 5. Total 100 continuous cycles	No apparent damage Fulfill the electrical spec. after test.	
Humidity resistance	1. Humidity: 85% R.H. 2. Temperature: $85\pm5^{\circ}$ C 3. Time: 1000 hours.	No apparent damage Fulfill the electrical spec. after test.	
High temperature resistance	1. Temperature: 150°C±5°C 2. Time: 1000 hours.	No apparent damage Fulfill the electrical spec. after test.	
Low temperature resistance	1. Temperature: -40° C±5° C 2. Time: 1000 hours.	No apparent damage Fulfill the electrical spec. after test.	
Soldering heat resistance	1. Solder bath temperature : 260±5℃ 2. Bathing time: 10±1 seconds	No apparent damage	
Solderability	The dipped surface of the terminal shall be at least 95% covered with solder after dipped in solder bath of $245\pm5$ °C for $3\pm1$ seconds.	No apparent damage	

### (2) Storage Condition

#### (a) At warehouse:

The temperature should be within  $0 \sim 30^{\circ}$ C and humidity should be less than 60% RH.

The product should be used within 1 year from the time of delivery.

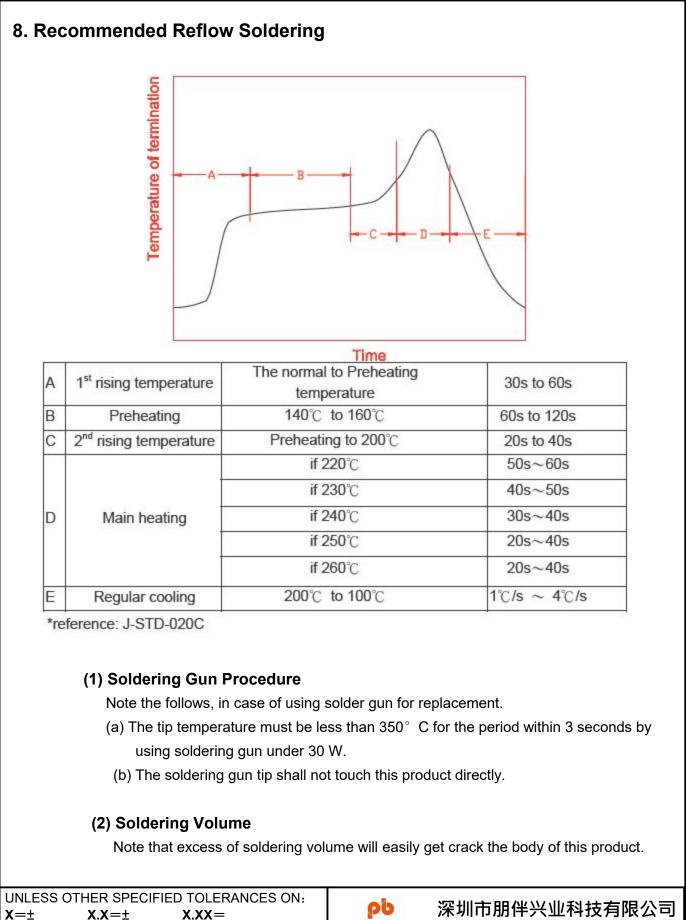
#### (b) On board:

The temperature should be within -40~85°C and humidity should be less than 85% RH.

### (3) Operating Temperature Range

Operating temperature range : -40  $^\circ\!\mathrm{C}$  to +105  $^\circ\!\mathrm{C}$  .

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