

# 承認書

## APPROVAL

客户

CUSTOMER□□

品名规格

DESCRIPTION: 超声波天线

料号

PART NO.:

客户料号

CUS PART NO.:

日期

DATE: 2024-01-10

### 呈样签章

工程	品保	业务
ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

### 客户承认签章

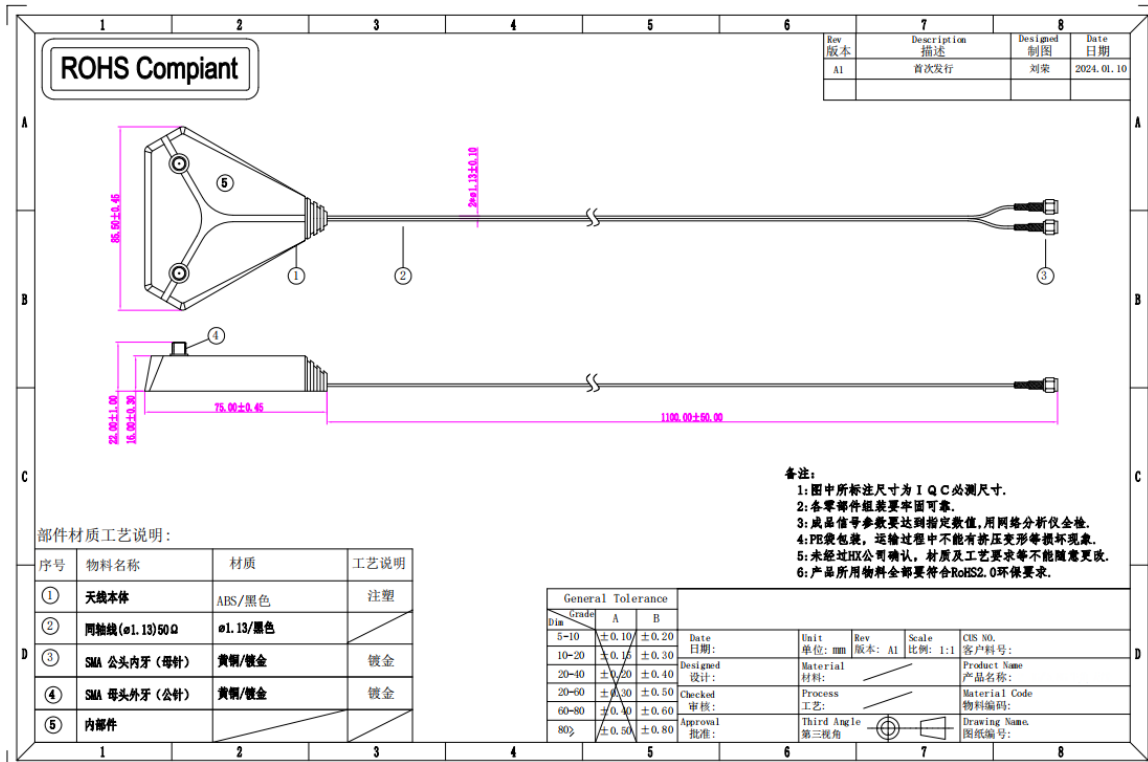
工程	品保	采购
ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASINGDEPARTMENT

※ 承认书一式三份，惠蒙贵司承认签章

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1. The product of 2 d drawings

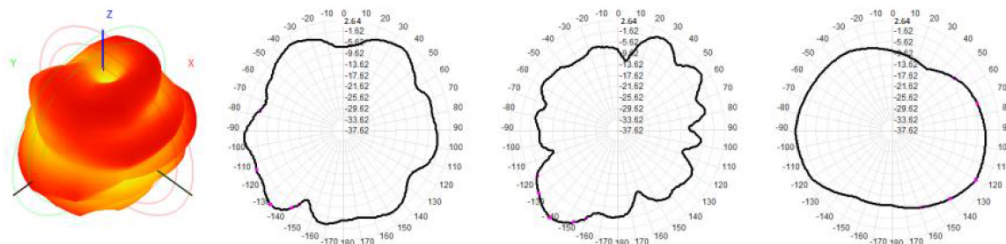


2. The product parameters

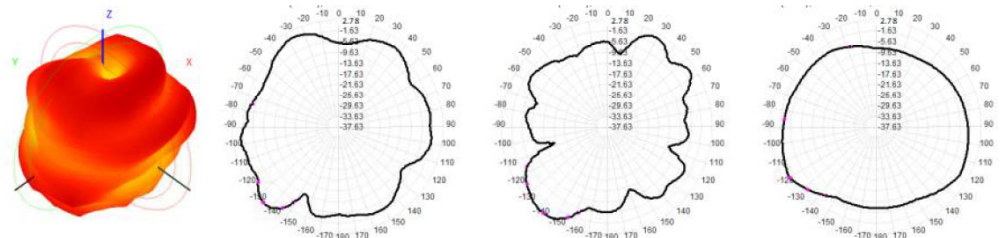
2.1 Electrical parameter

Frequency range	2400-2500MHZ 5725-58250MHZ
Input impedance	50 Ω
Standing-wave ratio	≤2.0
gain	3.0DBi
On-break test	passage
Polarization mode	perpendicularity
Radiation direction	omnidirectional

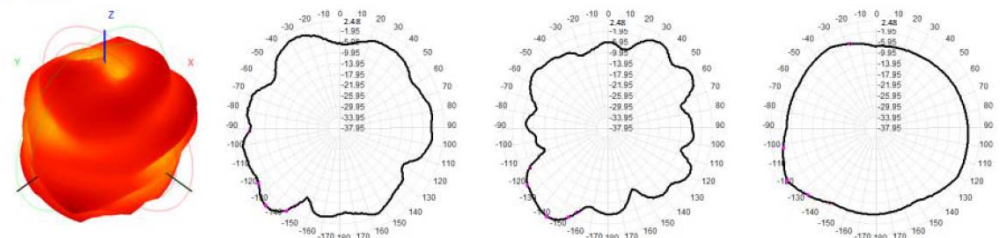
## 2400MHz



## 2450MHz



## 2500MHz



## 2.2 Mechanical parameter

Antenna length	1195+25-25mm
Fixed mode	abutment
coupler	SMA-M Salt Spray Test [48H]
Body material	Injection molding -40°
Coaxial line	1.13 Black Double Cables
Withstand voltage test	1.5KV

3. Product picture



4. Environmental performance test

item	Test condition	specification
Storage environment	Test temperature, humidity, and air pressure without specifying the following: 1. The temperature ranges from -40℃ to +80℃ 2. Relative humidity is 45%-85% 3. Air pressure is 86kpa-106kpa	Electrical and mechanical properties are normal
• High and low temperature test	The appearance quality is checked after 5 cycles between 70 ° C and 40 ° C, and then 1-2H under normal conditions.	Dimensions shall meet the specifications and shall meet the requirements Mechanical and electrical properties

Resistance to constant damp heat test	Relative humidity $95\pm3\%$ , test temperature: $40^{\circ}\text{C}$ . After 2H continuous action, The electrical properties were measured within 5 minutes after the sample was taken out, and the sample was in the normal bar After 1 to 2 hours, check the appearance quality	Dimensions shall meet the requirements and shall be satisfied with mechanical and electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycle: 30 times	Electrical and mechanical properties are normal
Drop test	Free fall 3 times at 1M altitude in the direction of perpendicular axes	Electrical and mechanical properties are normal

SMA射频同轴连接器  
RF COAXIAL CONNECTORS

编号： 1101

主要技术特性（TECHNICAL SPECIFICATIONS）：

温度范围（Temp.range）：	-55~+155° C	
特性阻抗（Impedance）：	50 Ω	
频率范围（Frequency Range）：	DC~12.4GHz	
工作电压（Working Voltage）：	335Vmax（有效值）	
耐压（Withstand Voltage）：	1000V rms（海平面最小值）	
接触电阻（Contact resistance）：	内导体之间（Center Contact）	≤3m Ω
	外导体之间（Outer Contact）	≤2m Ω
绝缘电阻（Insulationresistance）：	≥5000m Ω	
电压驻波比（VSWR）：	直式（Right angle）	≤1.10
耐用性（Durability）：	≥500次	

材料与涂覆（MATERIAL AND PLATING）：

壳体（Shell）：	黄铜（Brass）	镀硬金（Gold plated）
插针（contact pin）：	黄铜（brass）	镀硬金（Gold plated）
插孔（socket contact）	铍青铜（brylliumbrass）	镀硬金（Gold plated）
绝缘体（Insulator）：	聚四氟乙烯（PTFE）	
压接套（Crimping suite）：	铜合金（Copper alloy）	镀金（Gold plated）
O型密封件（O-ring sealing）：	硅橡胶（6146 silastic）	