

# 承認書

## APPROVAL

客户

CUSTOMER

品名規格

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	QC DEPARTMENT	SALES DEPARTMENT

### 客户承认签章

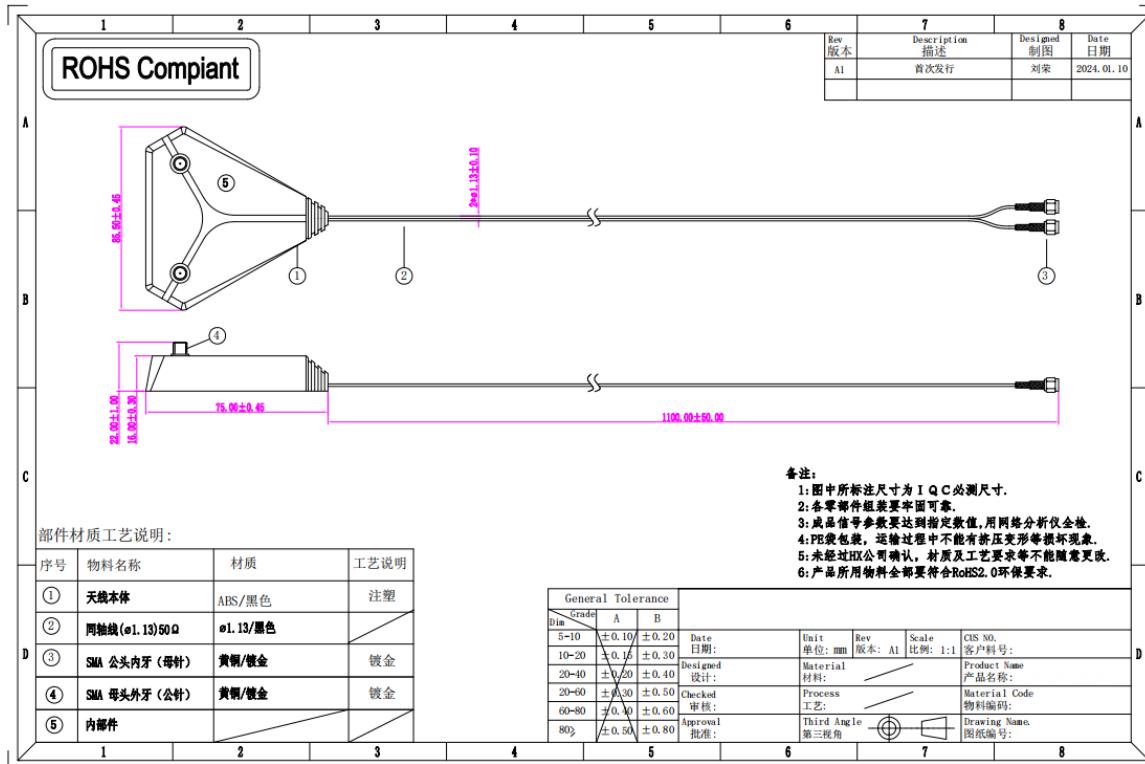
工程	品保	采购
ENGINEERING DEPARTMENT	QC DEPARTMENT	PURCHASINGDEPARTMENT

\* 承认书一式三份，惠蒙贵司承认签章

# 目录

Cover page...	1
Directory...	2
1. The product of 2 d drawings...	3
2. The product parameters...	3
3. The product pictures...	5
4. Environmental performance test...	5
5. SMA rf coaxial connector...	7

# 1. The product of 2 d drawings

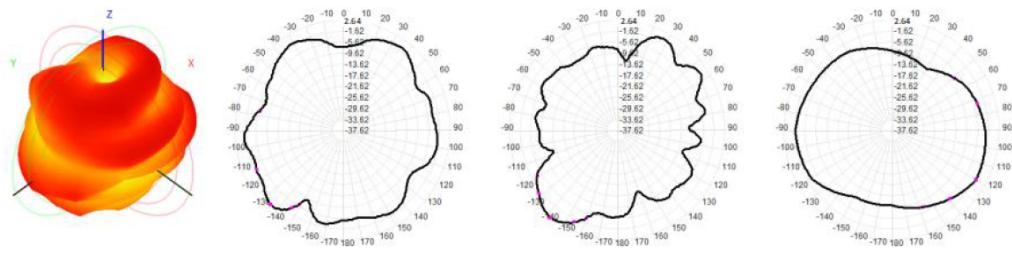


## 2. The product parameters

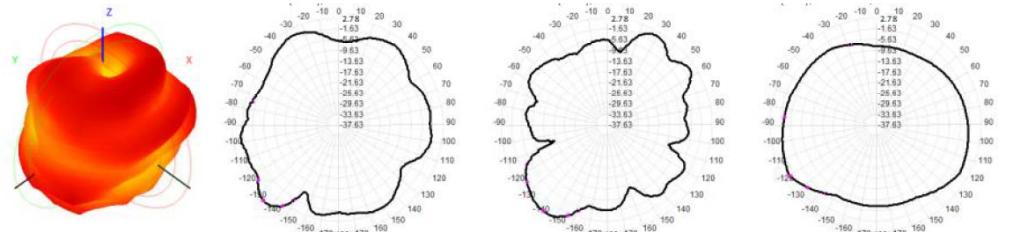
### 2.1 Electrical parameter

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

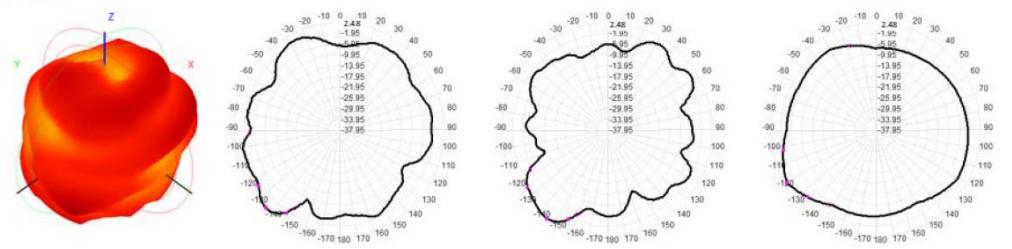
2400MHz



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°C to +80°C 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 $95 \pm 3\%$ , 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) $\leq 3m\Omega$ 外导体之间 (Outer Contact) $\leq 2m\Omega$	
绝缘电阻 (Insulation resistance) :	$\geq 5000m\Omega$	
电压驻波比 (VSWR) :	直式 (Right angle)	$\leq 1.10$
耐用性 (Durability) :	$\geq 500$ 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)
○型密封件 (O-ring sealing) :	硅橡胶 (6146 silastic)	