

---

# 承 认 书

## SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME:

---

产品名称

PRODUCT NAME: 2.4G-5dBi-bigSMA copper head male needle black antenna

---

客户料号

CUSTOMER P/N:

---

REV: A

---

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Wang Bin	Tang Mike
APPROVED BY:	Yang Tom	Sun Rocky
DATE:	2022/03/09	2022/03/11

---

# *Contents*

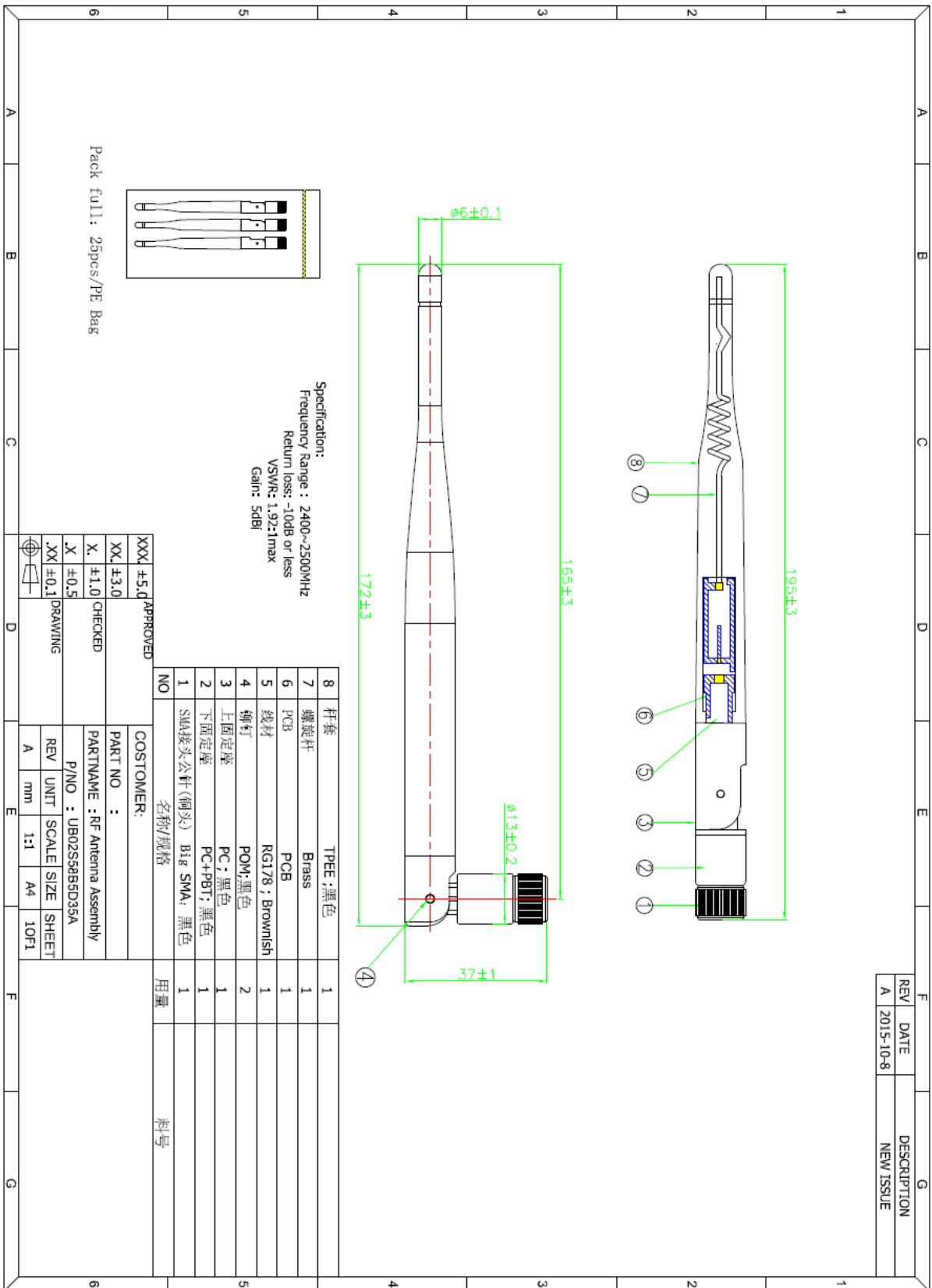
<i>Item</i>	<i>Description</i>
1.....	Specification sheet
2.....	Finished drawing
3.....	Test report

## 1、Specification sheet:

### Product main technical parameters

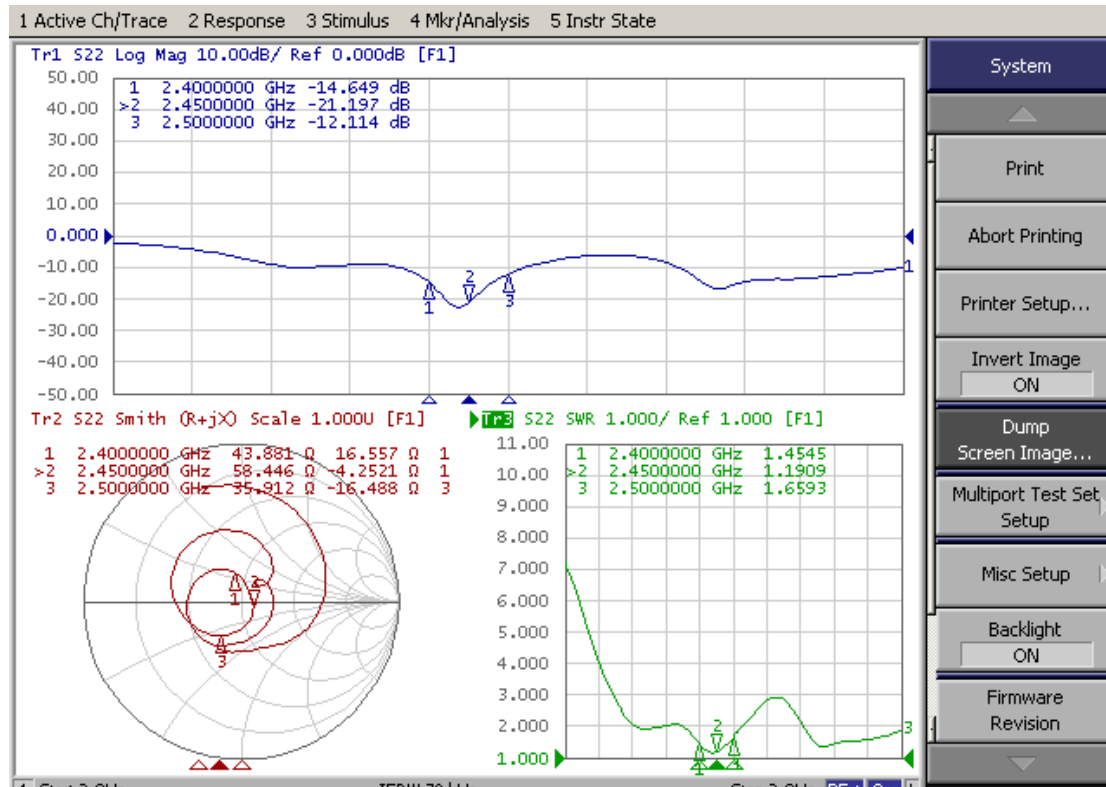
主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
增益(dBi)	5.09	Gain(dBi)	5.09
输出电压 驻波比	$\leq 1.92$	VSWR	$\leq 1.92$
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear, Vertical
连接方式	SMS	Connector Type	SMA
物理性能		Physical Properties	
天线本体材料	TPEE	Antenna Base	TPEE
工作温度	-20 $^{\circ}$ C~+65 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+65 $^{\circ}$ C
保存温度	-30 $^{\circ}$ C~+75 $^{\circ}$ C	Storage Temp	-30 $^{\circ}$ C~+75 $^{\circ}$ C

## 2. Finished drawing:



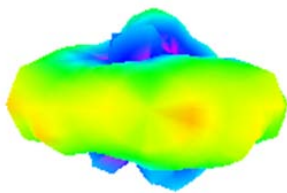
### 3. Test report

#### 3.1: Network analyzer test report



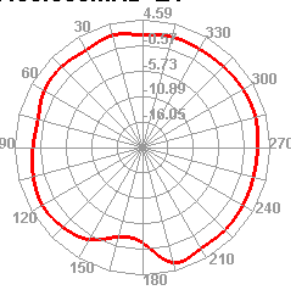
#### 3.2: 2D、3DRadiation Pattern

2400.000MHz



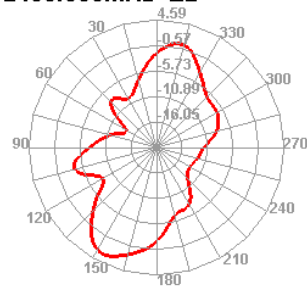
2.4GHz

2400.000MHz E1



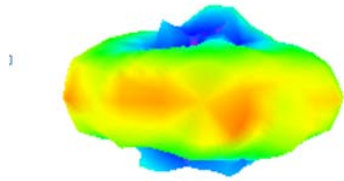
Gain: 4.96dBi

2400.000MHz E2



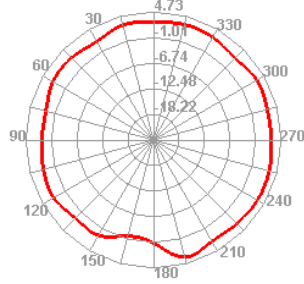
Efficiency:72.48%

**2450.000MHz**



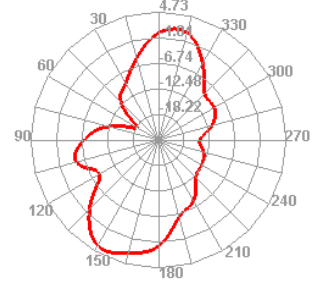
2.45GHz

**2450.000MHz E1**



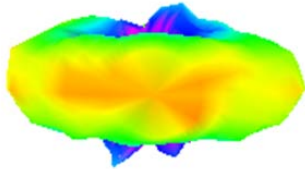
Gain: 4.97dBi

**2450.000MHz E2**



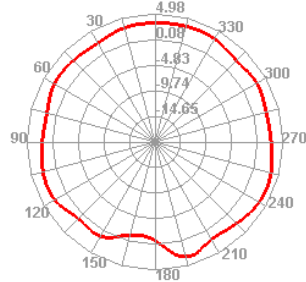
Efficiency: 71.21%

**2500.000MHz**



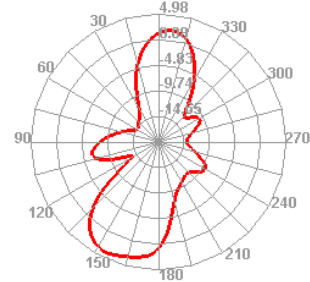
2.5GHz

**2500.000MHz E1**



Gain: 5.09dBi

**2500.000MHz E2**



Efficiency: 73.56%

Freq ( MHz )	2400	2450	2500
Gain ( dBi )	4.96	4.97	5.09
Effi / %	72.48	71.21	73.56