

# 承 认 书

## SPECIFICATION FOR APPROVAL

产 品 名 称

PRODUCT NAME: LTE-4G 大 SMA 公头公针-5dBi 黑色天线

客 户 料 号

CUSTOMER P/N:

料 号

UB P/N:

REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2018/12/27	

# *Contents*

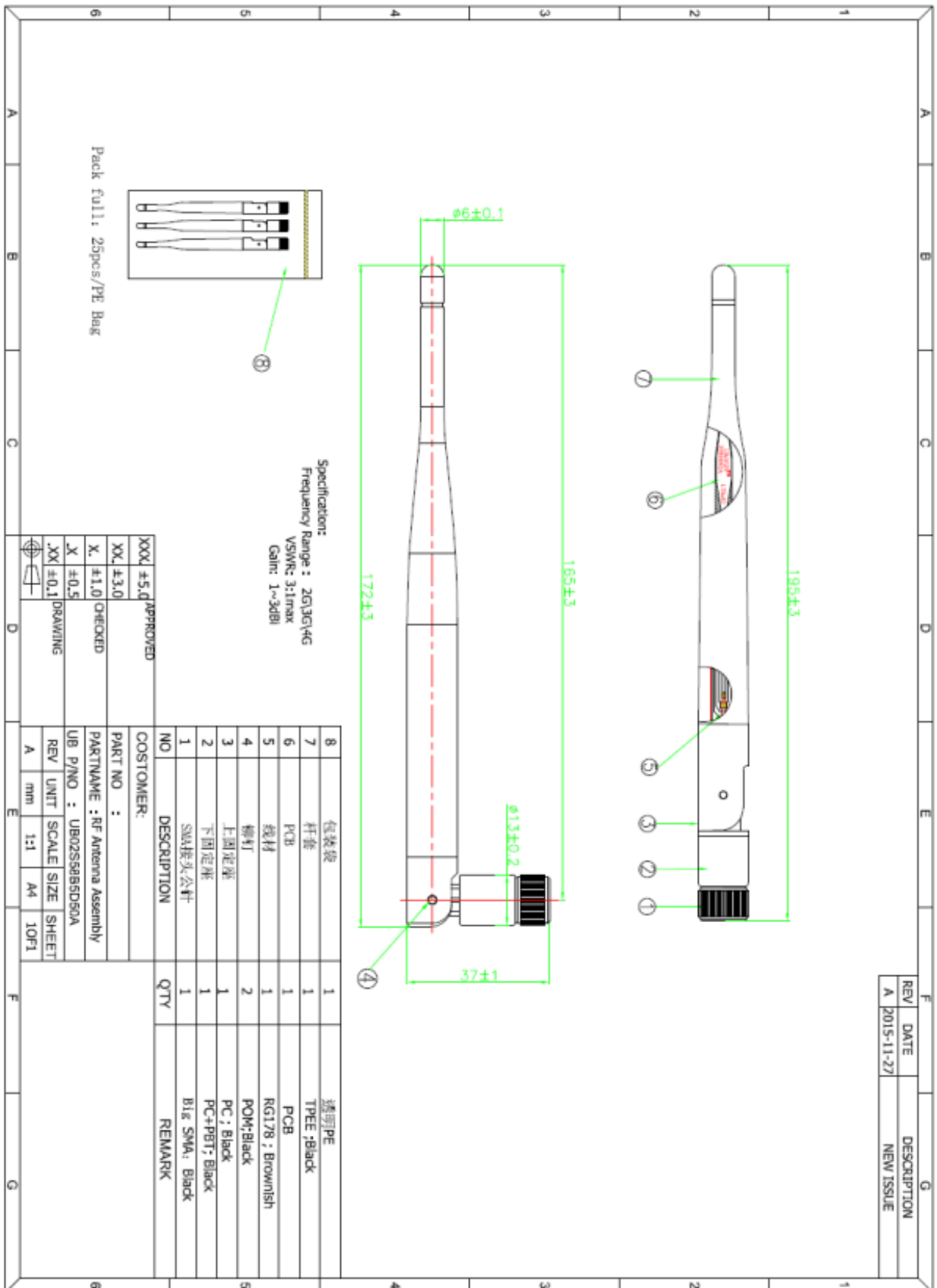
<i>Item</i>	<i>Description</i>
1.-----	规格表
2.-----	成品图
3.-----	测试报告

## 1. 规格表:

### 产品主要技术参数

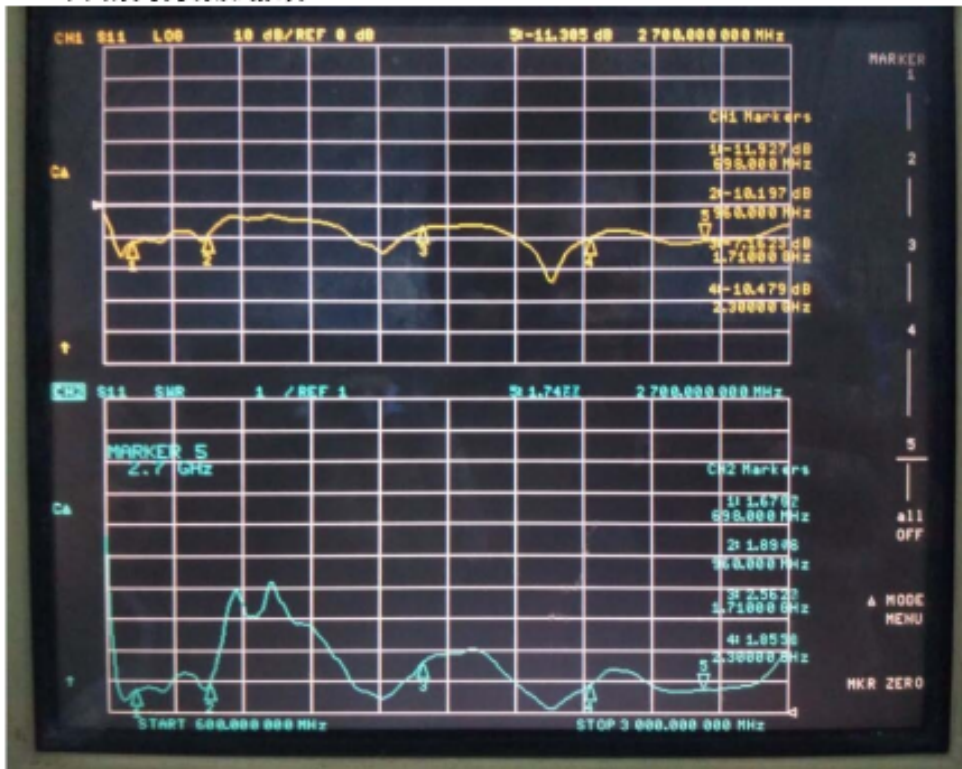
主要技术指标		Main technical specifications	
频率 (MHz)	700-960/1710-2170/ 2300-2700	Frequency ( MHz )	700-960/1710-2170/ 2300-2700
特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
峰值增益(dBi)	1~3	Peak Gain(dBi)	1~3
输出电压 驻波比	$\leq 3.0$	VSWR	$\leq 3.0$
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear, Vertical
连接方式	SMA	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	-40 $^{\circ}$ C~+85 $^{\circ}$ C	Storage Temp	-40 $^{\circ}$ C~+85 $^{\circ}$ C

## 2. 成品图:

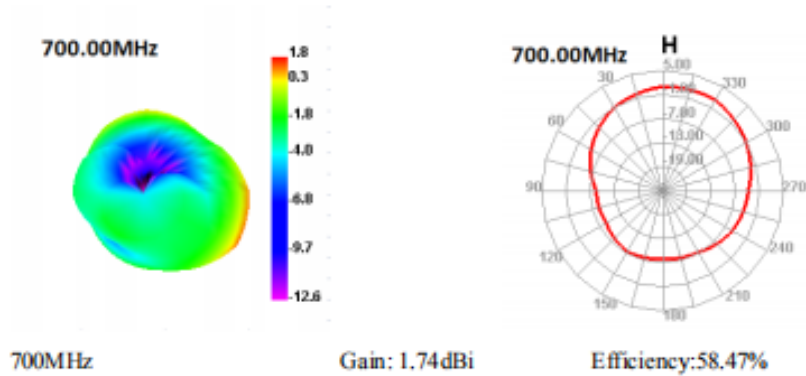


### 3. 测试报告

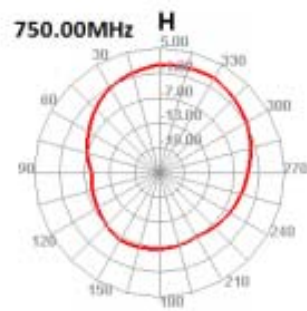
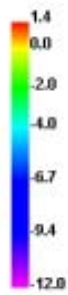
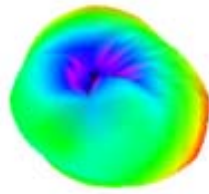
#### 3.1: 网络分析仪测试报告



#### 3.2: 暗室 2D、3DRaditation Pattern



750.00MHz

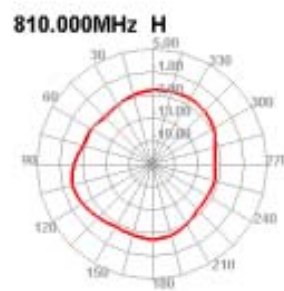
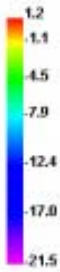
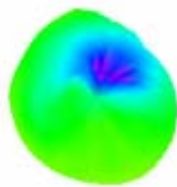


750MHz

Gain: 1.38dBi

Efficiency:66.98%

810.000MHz

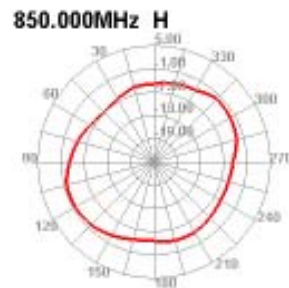
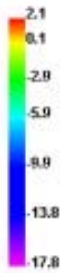
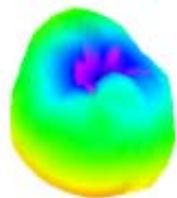


810MHz

Gain: 1.25dBi

Efficiency: 69.26%

850.000MHz

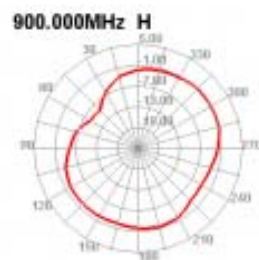
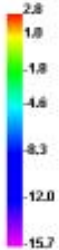
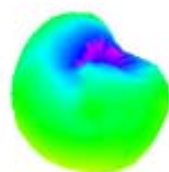


850MHz

Gain: 2.19dBi

Efficiency: 68.36%

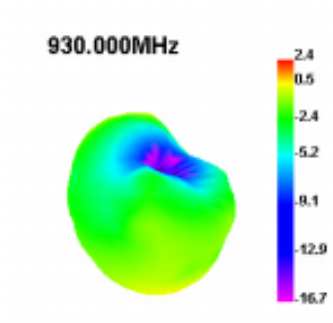
900.000MHz



900MHz

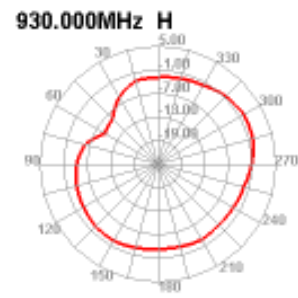
Gain: 2.75dBi

Efficiency: 67.89%

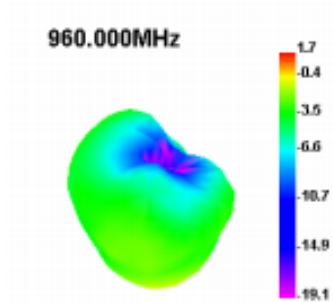


930MHz

Gain: 2.34dBi

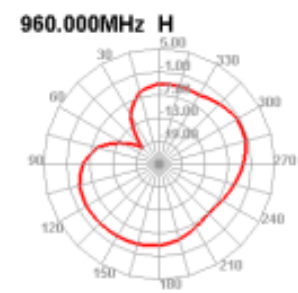


Efficiency: 68.03%

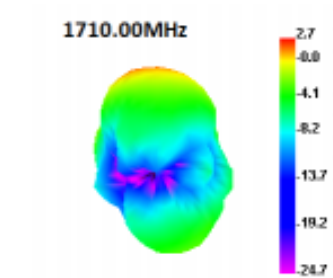


960MHz

Gain: 1.68dBi

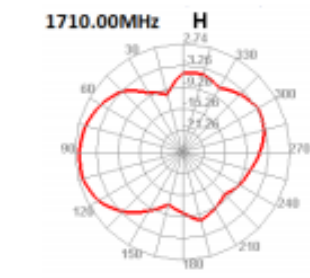


Efficiency: 67.69%

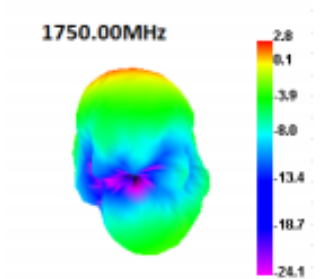


1710MHz

Gain: 2.66dBi

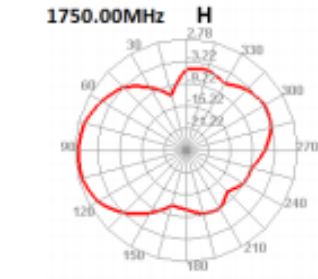


Efficiency: 66.56%



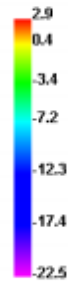
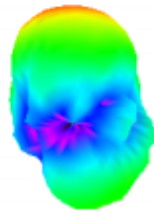
1750MHz

Gain: 2.79dBi



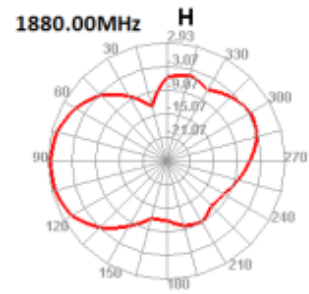
Efficiency: 65.89%

1880.00MHz



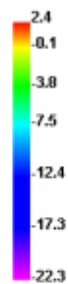
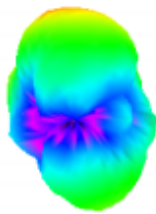
1880MHz

Gain:2.87dBi



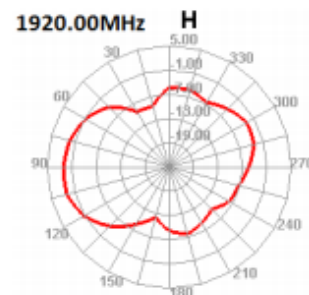
Efficiency: 67.43%

1920.00MHz



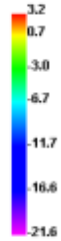
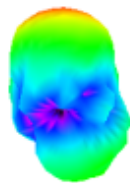
1920MHz

Gain:2.47dBi



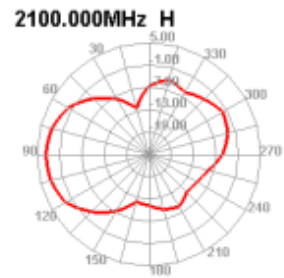
Efficiency: 63.35%

2100.000MHz



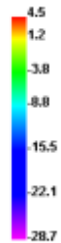
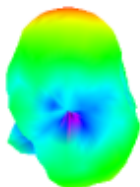
2100MHz

Gain:3.14dBi



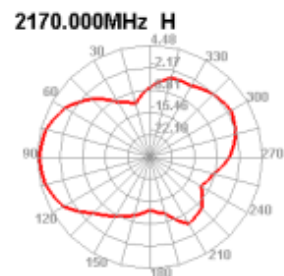
Efficiency: 64.18%

2170.000MHz



2170MHz

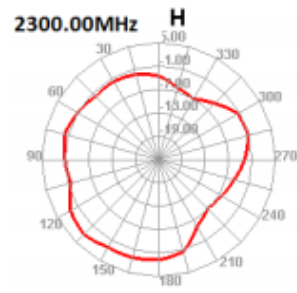
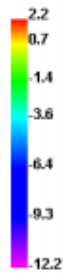
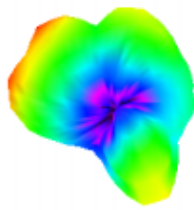
Gain:4.36dBi



Efficiency: 67.54%



2300.00MHz

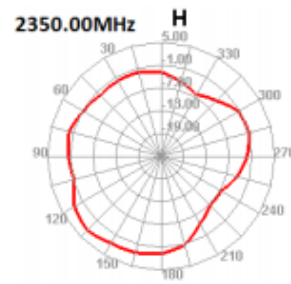
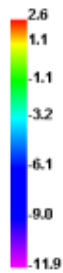
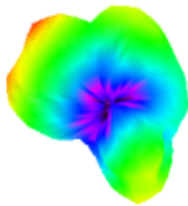


Gain:2.16dBi

Efficiency: 59.36%

2300MHz

2350.00MHz

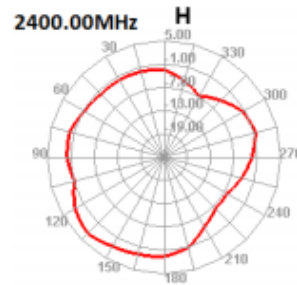
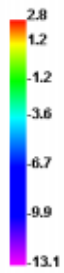
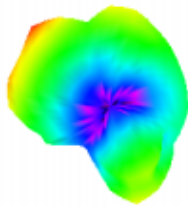


Gain:2.36dBi

Efficiency: 61.45%

2350MHz

2400.00MHz

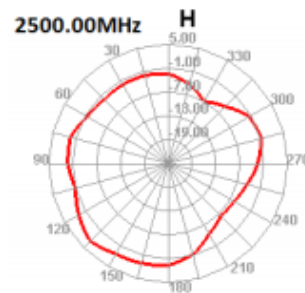
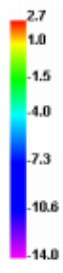
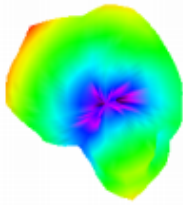


Gain:2.74dBi

Efficiency: 63.35%

2400MHz

2500.00MHz

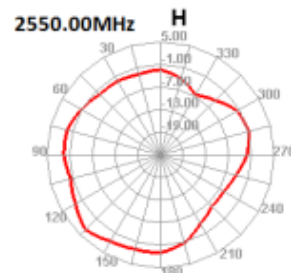
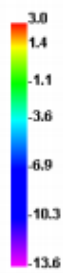
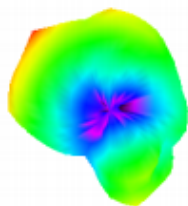


Gain:2.67dBi

Efficiency: 64.54%

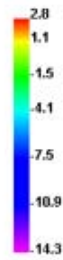
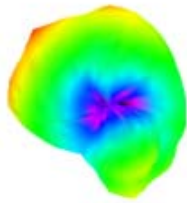
2500MHz

2550.00MHz



2550MHz

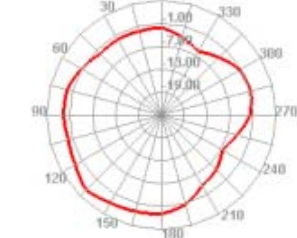
2600.00MHz



Gain:2.97dBi

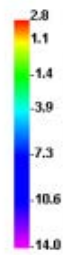
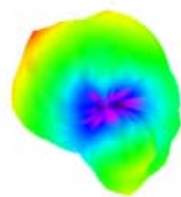
Efficiency: 65.42%

2600.00MHz



2600MHz

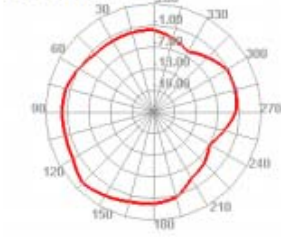
2650.00MHz



Gain:2.76dBi

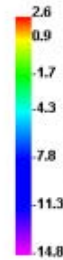
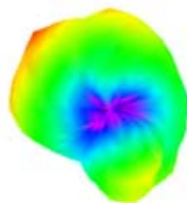
Efficiency: 64.54%

2650.00MHz



2650MHz

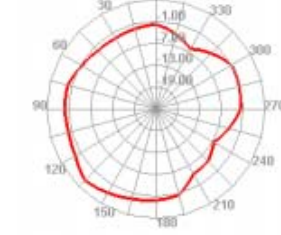
2700.00MHz



Gain:2.84dBi

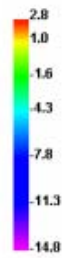
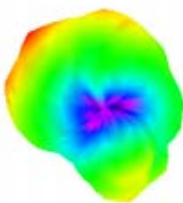
Efficiency: 65.46%

2700.00MHz



2700MHz

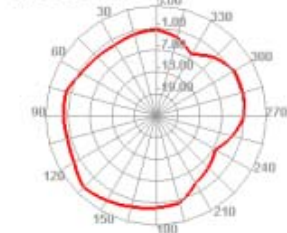
2750.00MHz



Gain:2.53dBi

Efficiency: 64.99%

2750.00MHz



2750MHz

Gain:2.87dBi

Efficiency: 67.58%