

ADD: Shenzhen baoan district for road no. 1 on da industry park 4 5 floor

TEL: 0755-86031011 86030933 FAX: 0755-86033315 WEB: [www.shenzhenguyang.com](http://www.shenzhenguyang.com)

## Product specifications acknowledgment

**Recognized manufacturers:** \_\_\_\_\_

**Manufacturer:** ShenZhen GuYang Commuication Technology Co.,Ltd.

**Description:** 2.4/5.8GHz Communications antenna

**Product Type:** 2.4/5.8G 5DB Black sucker antenna L=0.5M

Supplier acknowledge signature bar		
Lister	Reviewers	Approved

That customers signature bar	
Reviewers	Approved

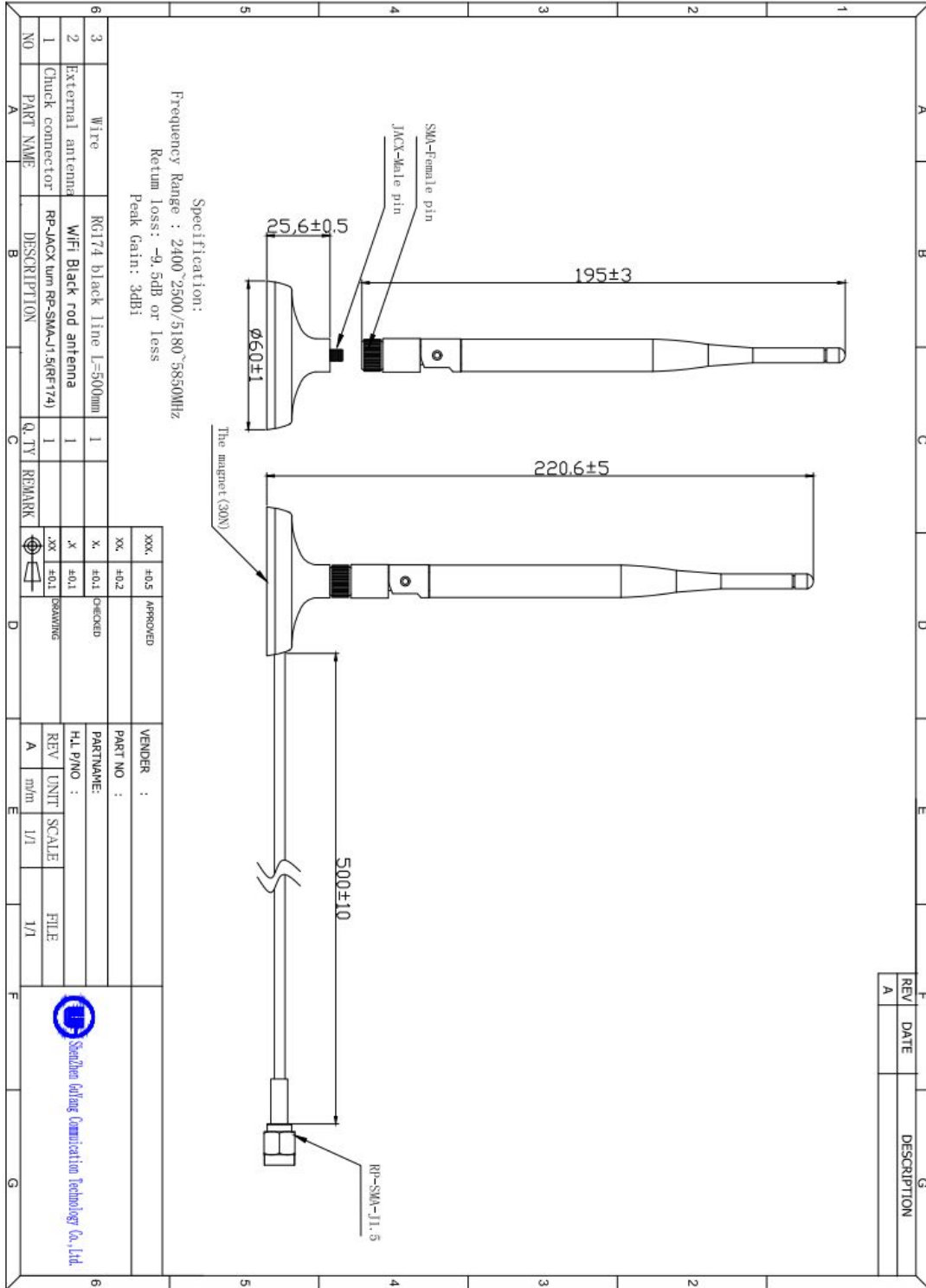
## 1. Product parameters:

Main technical specifications	
Frequency Range(MHZ)	2400-2500/5150-5350/5750-5850
Impedance( $\Omega$ )	50
Gain(dBi)	$3\pm 0.5$
VSWR	$\leq 2.0$
Admitted Power	10W
Polarization	Linear, Vertical
Connector Type	RP-SMA-J1.5
Physical Properties	
Antenna Base	TPEE
Operating Temp	$-20^{\circ}\text{C}\sim +65^{\circ}\text{C}$
Storage Temp	$-30^{\circ}\text{C}\sim +75^{\circ}\text{C}$

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## 2. The product structur:

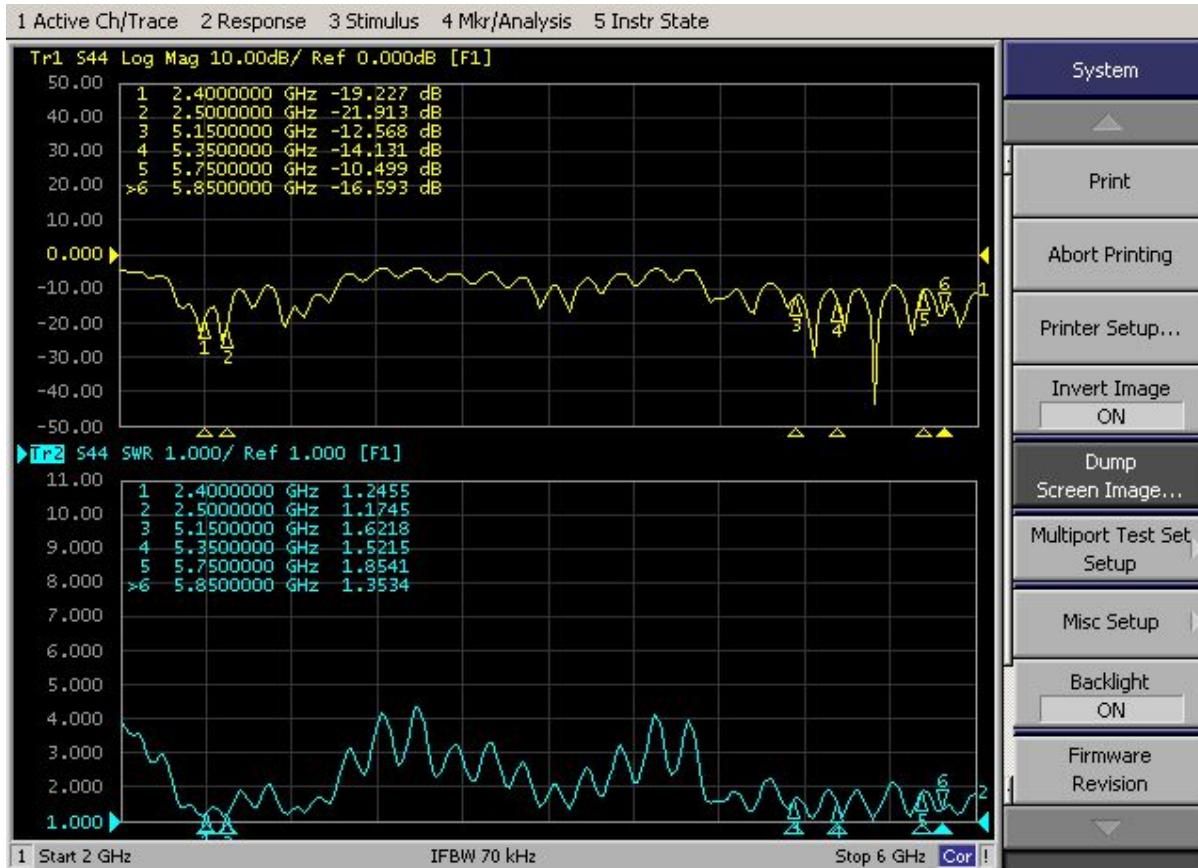


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### 3. The test report

#### 3.1: Test pattern



#### 3.2: 2D、3DRaditation Pattern

##### 3.2.1 The efficiency and gain

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain / dB
2400	-2.4	57.6	2.52
2450	-2.43	57.2	2.61
2500	-2.43	57.2	2.76
5150	-3.97	40	2.58
5350	-3.71	42.6	2.52
5750	-3.54	44.3	2.91
5850	-3.08	49.2	3.23

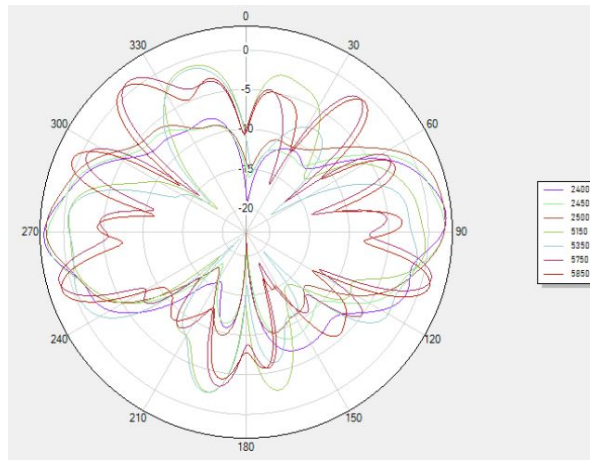
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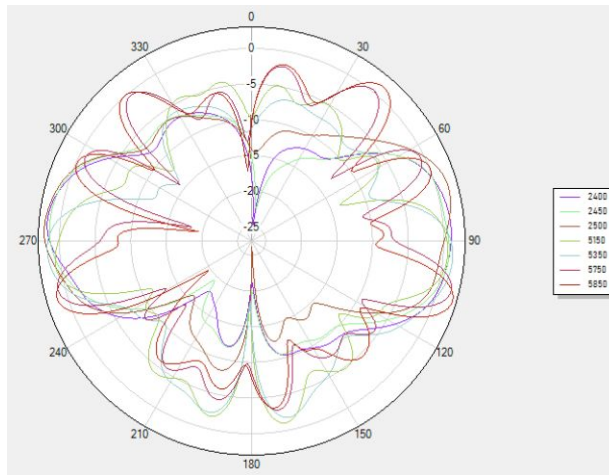
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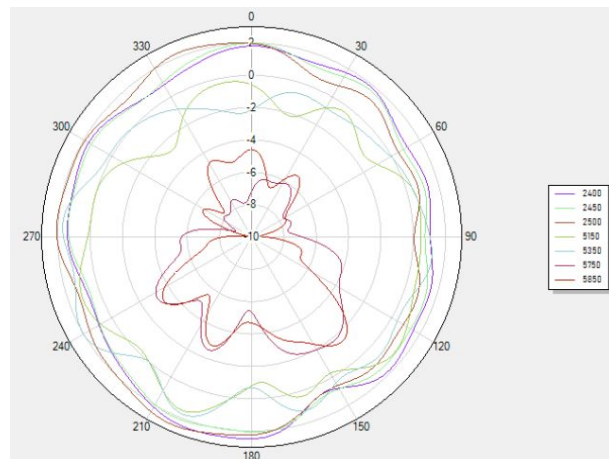
**3.2.2 2D/3D Field type figure**



Phi 0 2D



Phi 90 2D



Theta 90 2D

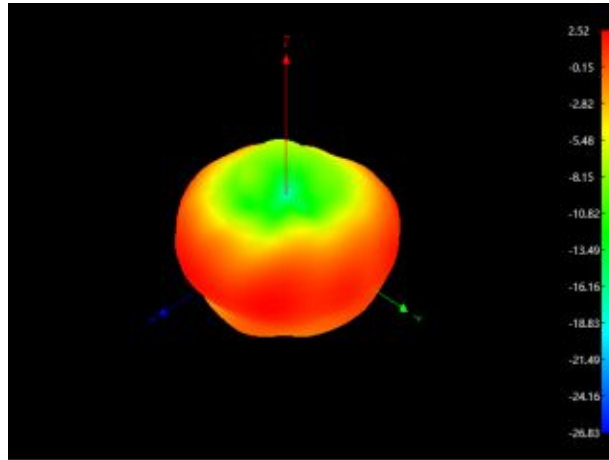
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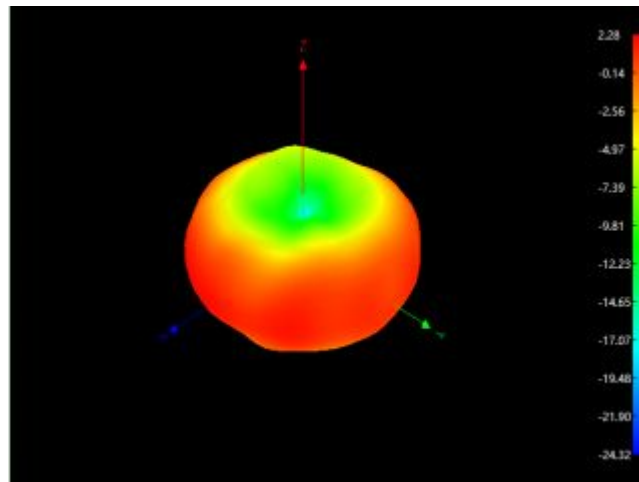
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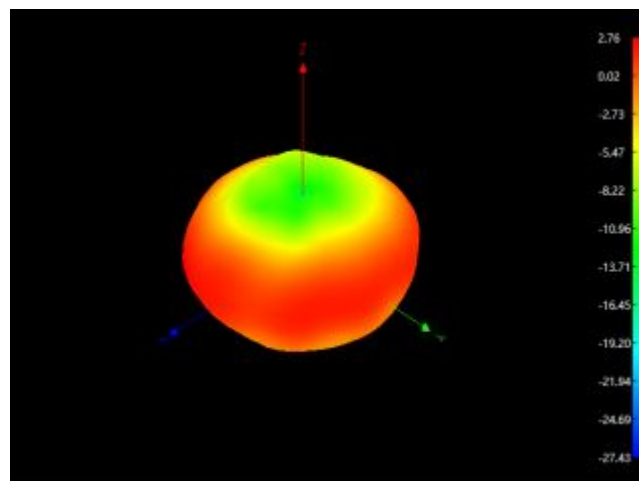
ANT 3D Radiation with MaxGain



2400MHz



2450MHz



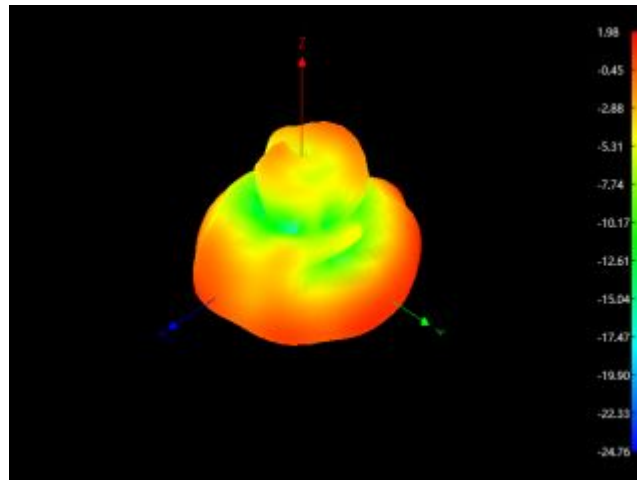
2500MHz

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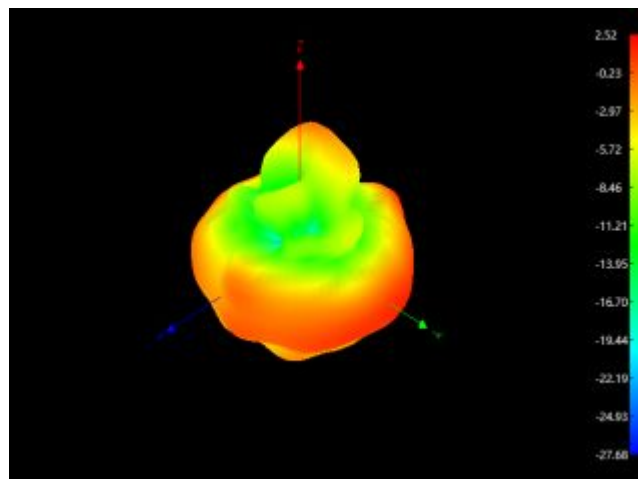
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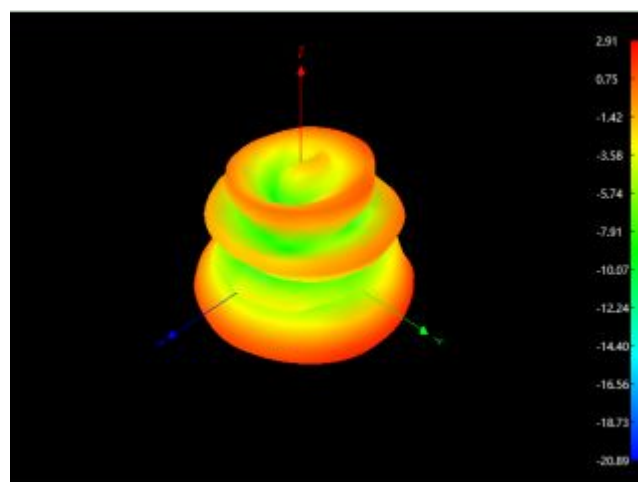
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5150MHz



5350MHz



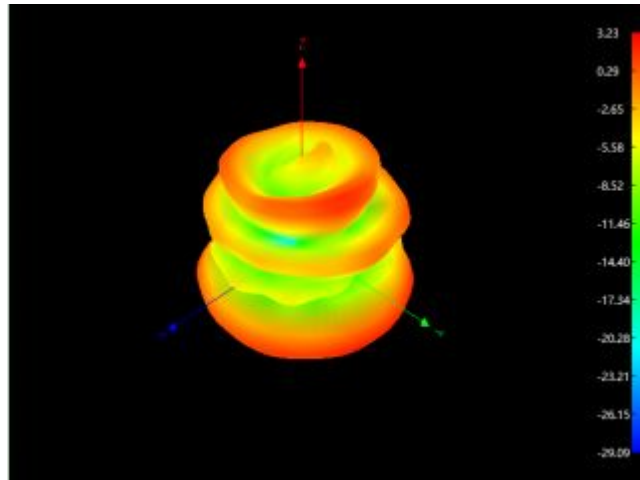
5750MHz

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5850MHz