

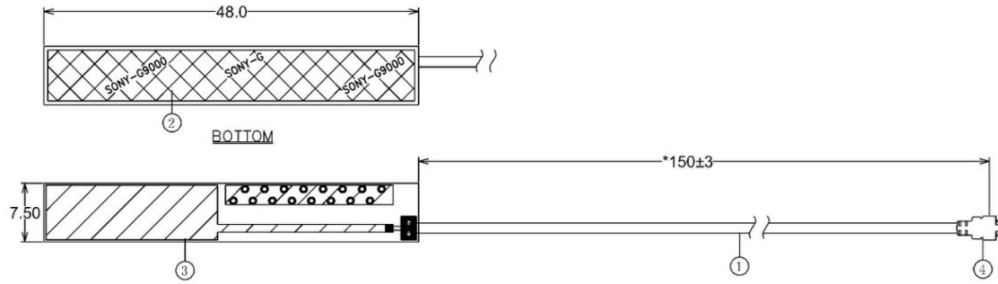
# REX3PT581 Antenna Spec

## 1、Information description

1.1
<p>See the chart of Gain efficiency in Zigbee2.4 and the data generated in the 2.4-2.5G frequency band for relevant data in the table. The brief description is as follows:                  An onboard antenna;                  Antenna gain: 2.4G 1.27dBi;                  Antenna type: PCB;                  Antenna supplier: PCB board factory according to the antenna scheme agreement;                  Other requirements: See Zigbee Antenna Test report</p>
1.2
<p>See Zigbee antenna test report for relevant data;</p>
1.3
<p>a: Microwave darkroom and network analyzer, CMW500,8960, etc.;                  b: Antenna model onboard module antenna;                  c: orientation antenna, PCB circuit control;                  d: Put the MODULE into the 5*3*3 microwave darkroom, weld SMA outside the Zigbee MODULE and then connect to CMW500, network analyzer, 8960 and other devices for multi-angle and multi-direction testing;                  e: Instruments and equipment within the validity period;                  f: See the Zigbee antenna test report, stamped inside;</p>
N/A

## 2. Antenna specification

RoHS Compliant



## 3. Overview

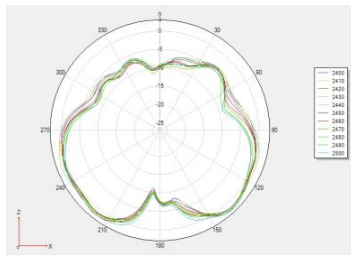
Name of Customer	Rexense
Name of Product	2.4GHz PCB Antenna
Antenna type	PCB
Test instrument software version	OTATester V5.244.350
Test instrument validity time	Instrument validity period: 20230326-20240325
Antenna manufacturer	Shenzhen Huachuangxiang Technology Co., LTD
Antenna manufacturer's Address	403A, South Area, Jingji Yujing Times Building, No. 1, Second Gexi Road, Longcheng Street, Longgang District, Shenzhen
Surveying engineer	Dengzhigang

## 4. 3D darkroom laboratory test data

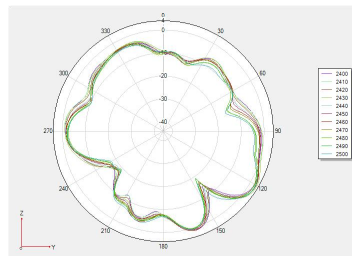
Frequency	Efficiency (%)	Gain.(dBi)
2400MHz	49.09	1.27
2450MHz	50.23	1.22
2500MHz	44.36	1.12

### 5、Antenna darkroom 2D

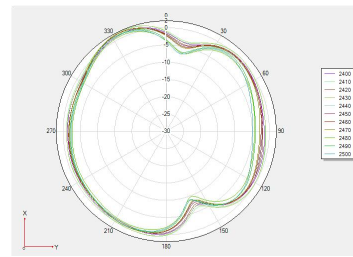
Phi 0 2D



Pin 90 2D

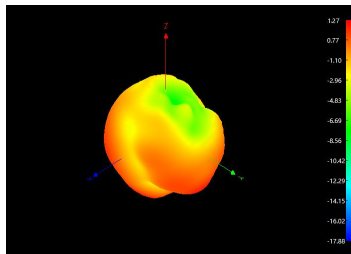


Theta 90 2D

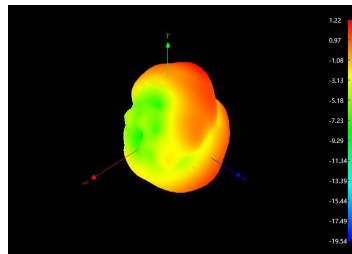


### 6、3D Antenna gain

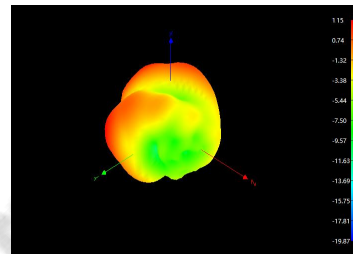
2400MHz



2450MHz



2500MHz



8、Microwave anechoic chamber Method of measurement: instrument and dark room

Unit seal

