

# 天线规格书

## product specification

### Internal antenna

#### 达世奇 BD06

APPROVED BY	SIGNATURE	DATE
Mechanical Engineer:	Zhou	2024-01-23
RF Engineer:	Chen	2024-01-23
Engineering Manager:	Wang	2024-01-23
Approved By Customer (as required):		

Number	Item	Specifications
1	Working central frequency	2450 MHz
2	Band width	(2400-2480)MHz
3	Gain	-2.38dbi

Heyuan City Xunwei communication technology Co., LTD

West of 5th floor, Huahui Wisdom Valley (Factory Building c), south of Science and Technology Ten Road,  
West of Xingye Avenue, Heyuan High-tech Development Zone

**1.0 DESCRIPTIONS AND PART NUMBER;**

## 1.1 DESCRIPTION;

The antenna mounts to the housing of the cellular phone. And after that, the feed point on the prolongation of metal plate should firmly touch the contact provided on the PCB in the respective area.

## 1.2 PART NUMBER

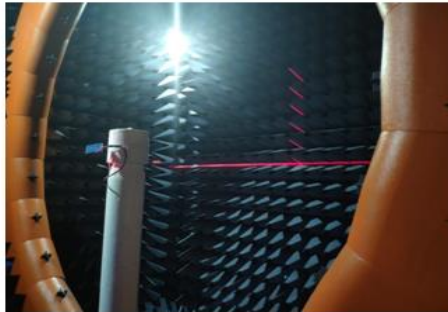
Part number	Frequency Band	HH Part Number
	BT:2400MHZ	

## 2.0 FREQUENCY BAND



BT:2400MHZ

## 2.1 ACTIVE TEST REPORT



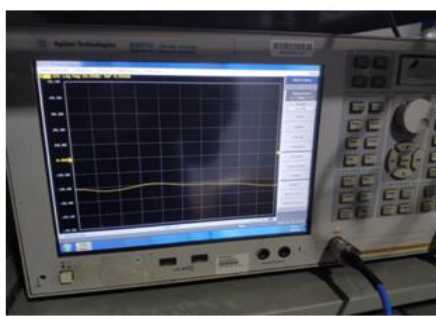
7\*4\*3M 3D微波暗室



MT8820C

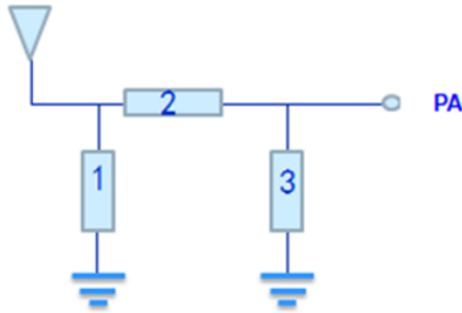


Agilent 8960



Agilent E5071C

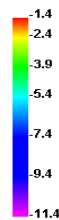
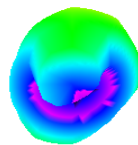
**3.0 MECHANICAL SPECIFICATIONS;**



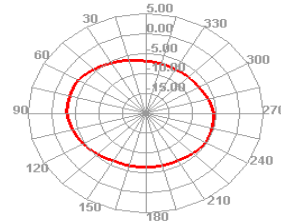
NO.	value
1	NA
2	0Ω
3	NA

Frequency(MHZ)	Efficiency (%)
2400	27%
2420	29%
2440	30%
2460	29%
2480	29%
2500	27%

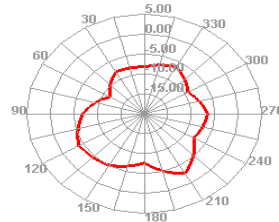
2450.000MHz



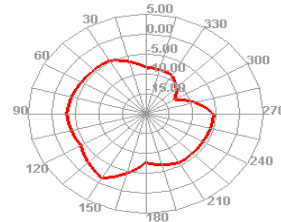
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



### 3.1 MECHANICAL CONFIGURATION

The appearance of the antenna is in accordance with drawing 40-SZ2618Q-01

### 3.2 CONNECTOR TYPE

The connector type is an embedded type.

FIGURE 2:Antenna Configuration

#### 4.0 ENVIRONMENTAL SPECIFICATIONS

##### 环境处理：

##### 4.1 TEMPERATURE

Operating Temperature Range:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage Temperature Range:  $-40^{\circ}\text{C} \sim +120^{\circ}\text{C}$

##### 4.2 SALT SPRAY TEST

Antenna be exposed in a  $35^{\circ}\text{C}$ , 5% salt fog chamber for 24 hours then check the appearance and performance against the specifications in normal temperature.

##### 4.3 STATIC HUMIDITY TEST

The antenna is subjected to the following test:

Temperatures:  $+70^{\circ}\text{C}$  and 90%--95%RH

Test Duration: 24 Hours

The antenna should not undergo any structural or functional change and remain within the electrical/mechanical specification.

#### 5.0 PACKAGING

The antennas will be packed in bags, There are 100 or 200 antennas per bag. The bags are packed in corrugated fibreboard over box.

天线图纸：

