

# Bluetooth Antenna

Revision History: 2021-5-4

Rev.A0

## 1. MODEL: BeFun

P/N: E12-01542-01

## 2. Applications

This antenna is designed for Bluetooth and it's suitable for Bluetooth Wireless Headset.

## 3. Electrical Characteristics

Frequency Band: 2400MHz~2500MHz

Polarization \*Gain :

Max peak gain: 1.0 dBi

Typ peak gain: 0 dBi

Impedance: 50Ω

Material: Cable Wire 80mm 28# 1 pin Black UL1007

Feature: This is a Cable Wire BT antenna.  $\lambda/4$  double pole type.

### Product Description :

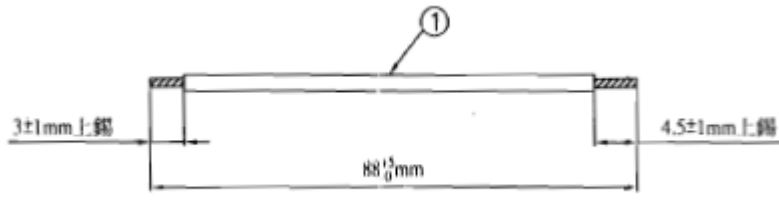
- Bare or tinned, stranded or solid copper conductor, 30-16 AWG.
- Color-coded PVC insulation.
- Rated temperature: 80°C, Rated voltage: 300 Volts.
- Passes UL VW-1 & cUL FT1 vertical flame test.
- Uniform thickness of wire to ensure easy stripping and cutting.

### ◀ 說明 :

- 導體使用裸銅或鍍錫銅, 單條或絞線, 30-16AWG.
- PVC 絕緣.
- 額定溫度: 80°C, 額定電壓: 300 Volts.
- 可通過 UL VW-1 及 cUL FT1 垂直耐燃測試.
- 使用標準厚度, 易剝, 截斷容易.

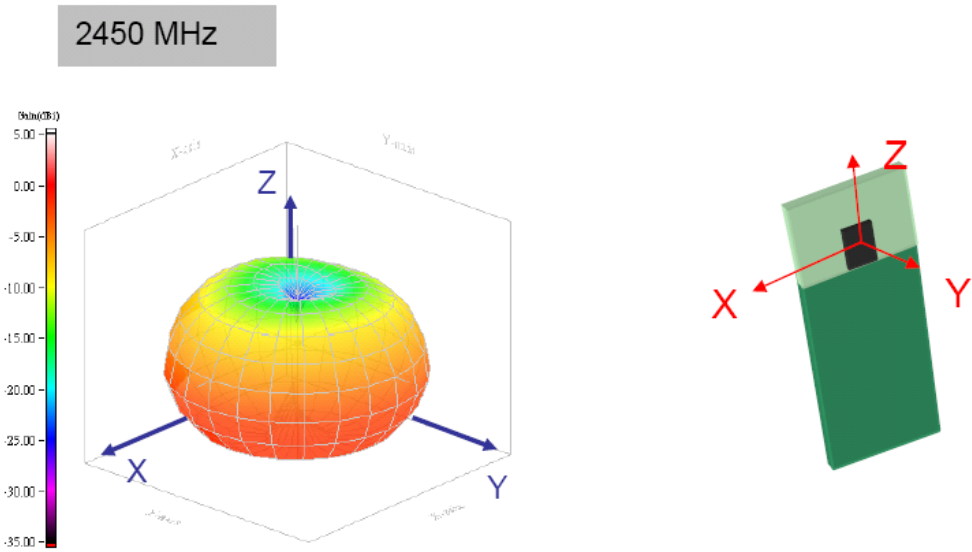
Prepared	Checked	Approved
liang	wangyuhua	kenny

#### 4. Antenna Dimension



#### 5. Typical Free Space Radiation Pattern

3D Radiation Pattern

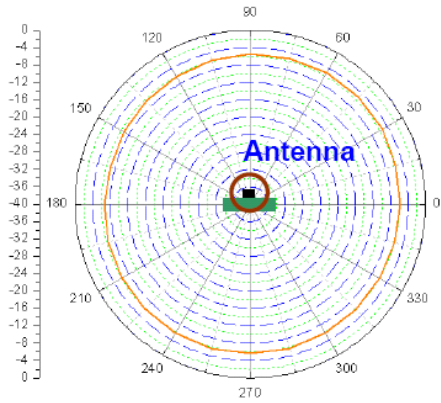


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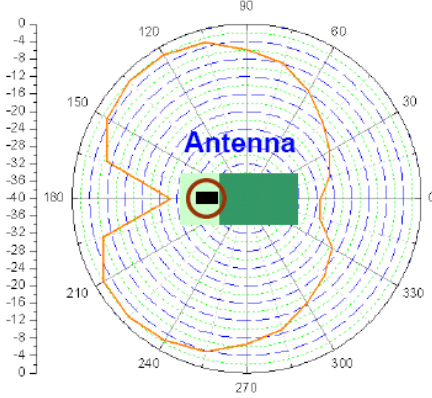
## 6. Typical Free Space Radiation Pattern

### 2D Radiation Pattern

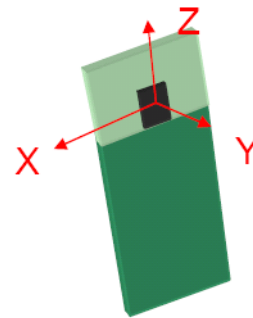
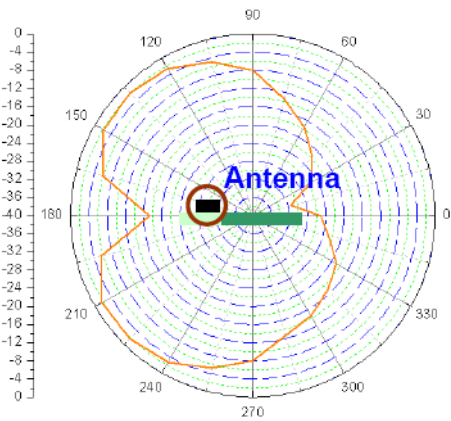
X-Y Plane 2450 MHz



X-Z Plane 2450 MHz



Y-Z Plane 2450 MHz



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