

# Novalogy Ltd.

## Antenna Spec

### 1. MODEL: AYO24

P/N (料号) : E12-01542-01

### 2. Applications

This antenna is designed for Bluetooth.

### 3. Electrical Characteristics

Frequency Band: 2400MHz~2500MHz

Polarization Gain : -0.5dBi

Max peak gain: 0 dBi

Type 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.

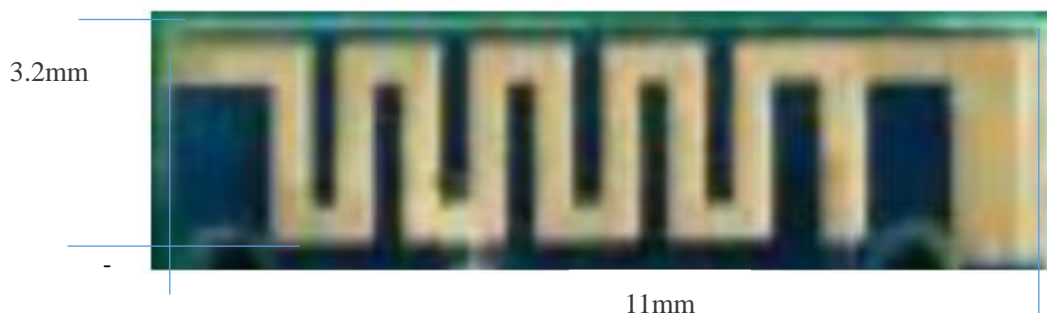
#### Product Description :

- 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.

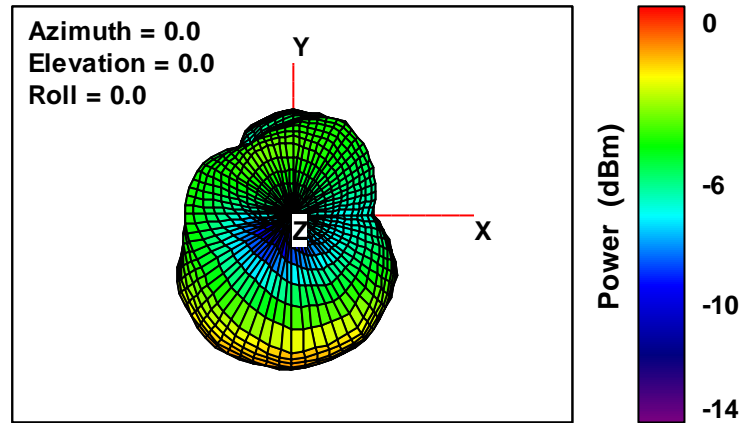
### 4. Antenna Dimension



## 5. Typical Free Space Radiation Pattern

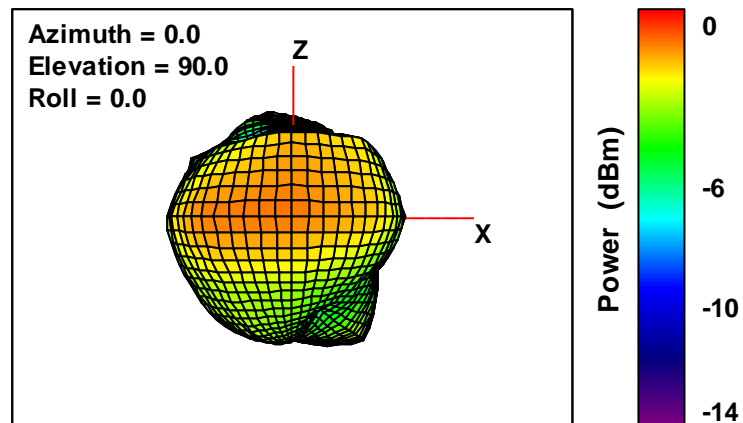
3D Radiation Pattern

Total



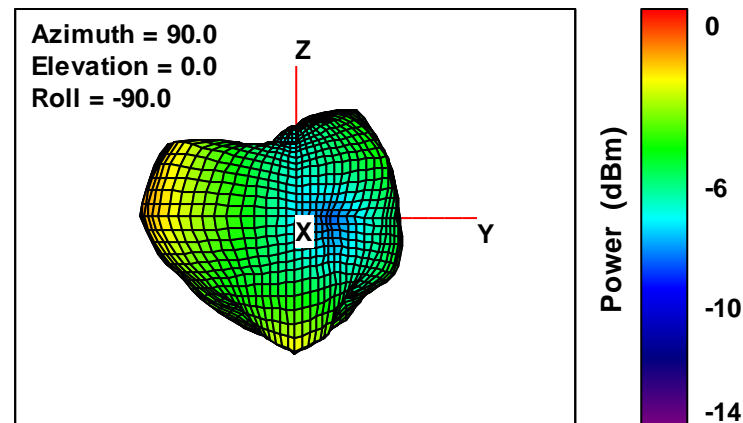
XOY

Total



XOZ

Total

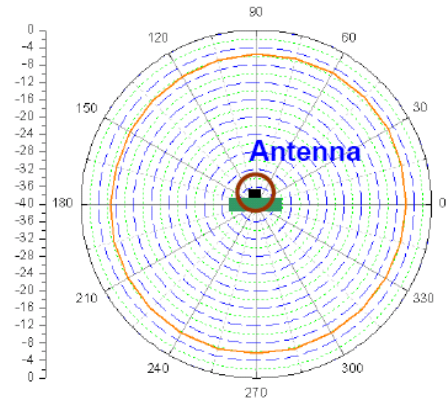


YOZ

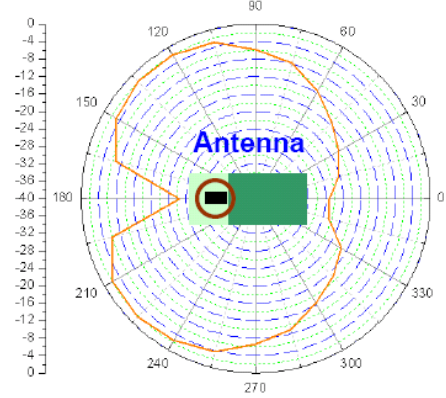
## 6. Typical Free Space Radiation Pattern

### 2D Radiation Pattern

X-Y Plane 2450 MHz



X-Z Plane 2450 MHz



Y-Z Plane 2450 MHz

