

The WANT-4DBI-SMA is a high-performance tri-band tuned antenna targeting the 2.4GHz, 5GHz and 6GHz bands. A perfectly aesthetic and robust fit for AP/Router devices, Media Players, Home Theatre, Internet Appliances, Mini-Computers. Network Appliances etc. The WANT-4DBI antenna series is suitable for Wi-Fi6E and a wide range of IoT, Bluetooth, ZigBee, DSRC, ISM band and M2M applications.

### 1. Electrical Specifications

- Frequency: 2400~2500 MHz 4.9~7125 MHz
- VSWR: 2.0:1
- Impedance: 50Ω nominal
- Gain:
  - 2400 - 2500 MHz 3.5 dBi (Peak)
  - 4900 - 5850 MHz 3.8 dBi (Peak)
  - 5850 - 7125 MHz 3.8 dBi (Peak)
- Polarization: Linear
- HPBW/Horizontal: 360°
- Radiation: Omni-directional

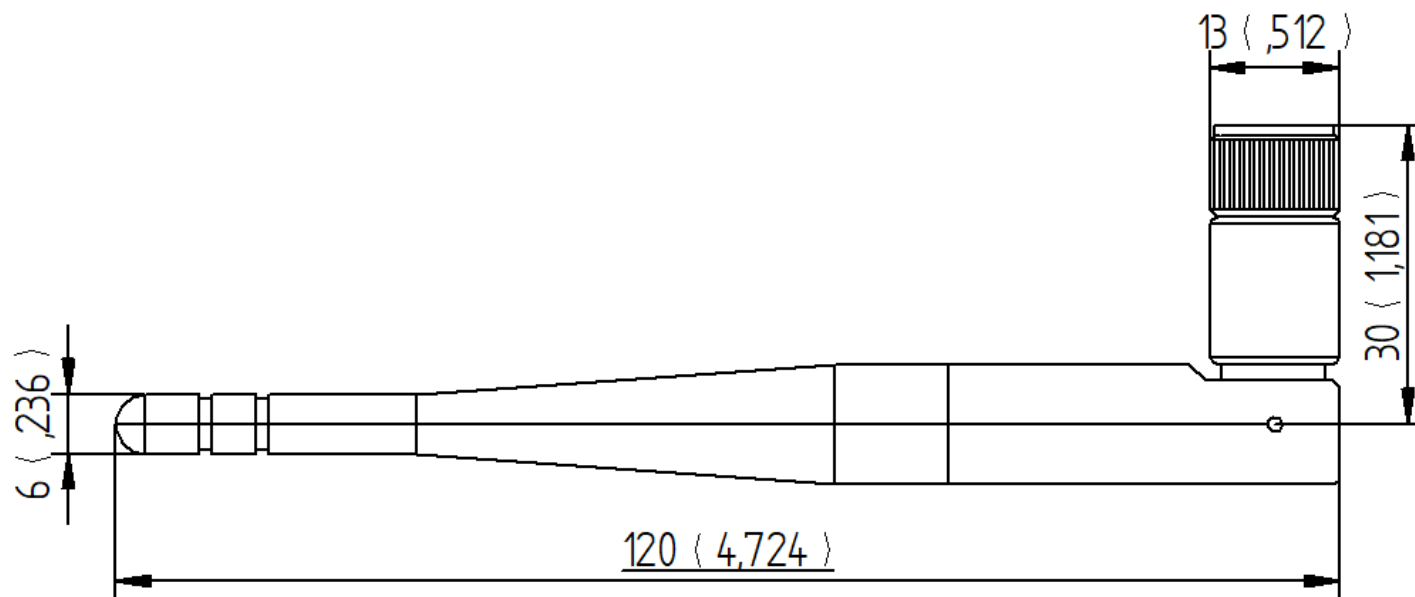
### 2. Mechanical Specifications

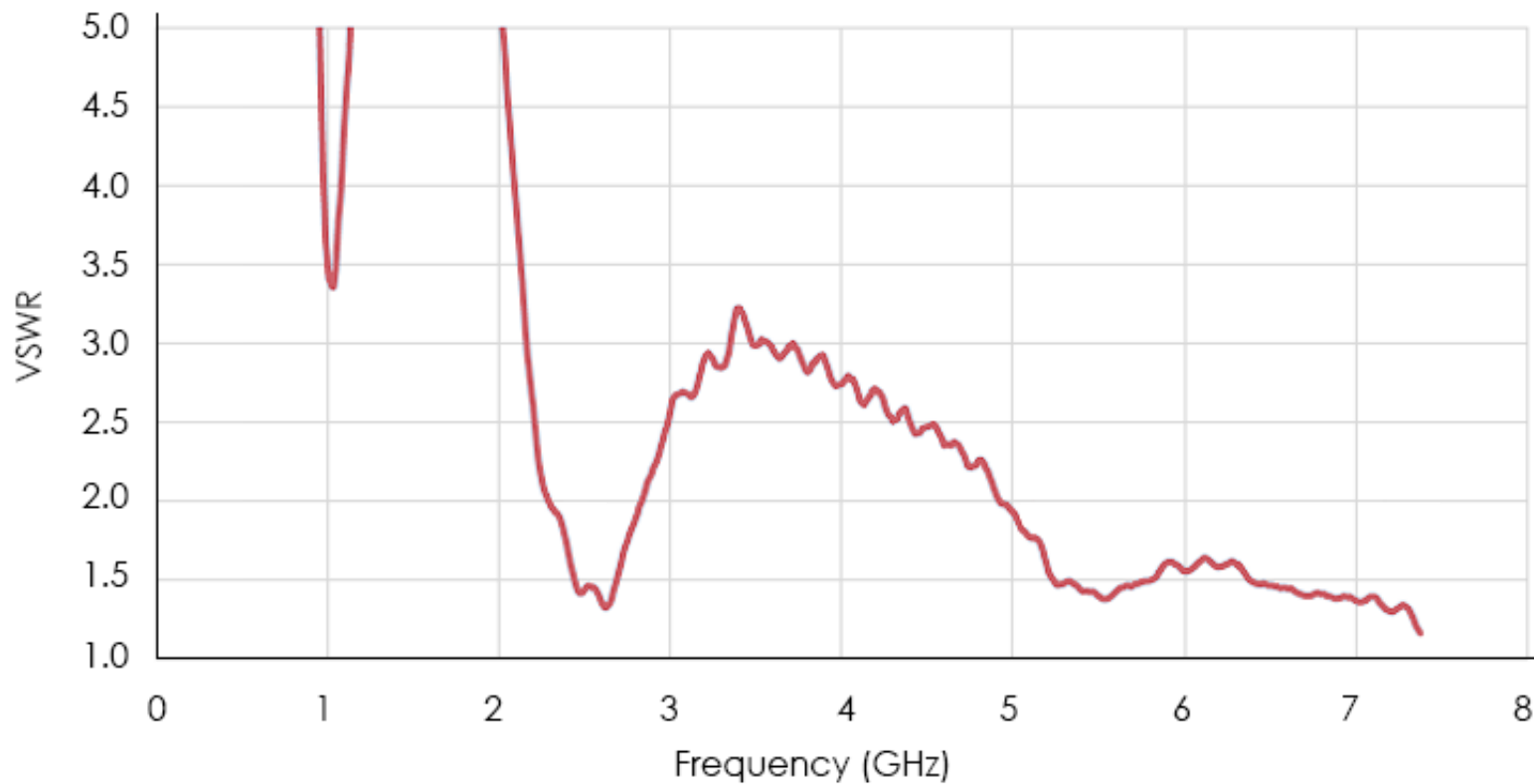
- Antenna Body: TPEE
- Color: Black
- Weight: 17 g
- Operating temp: -40°C ~ +85 °C
- IP Rating: IP67

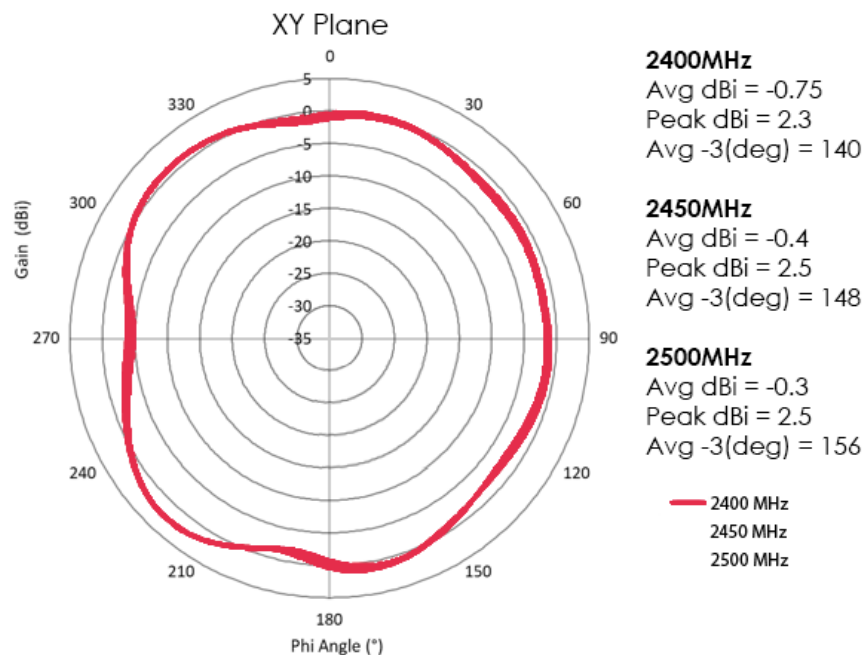
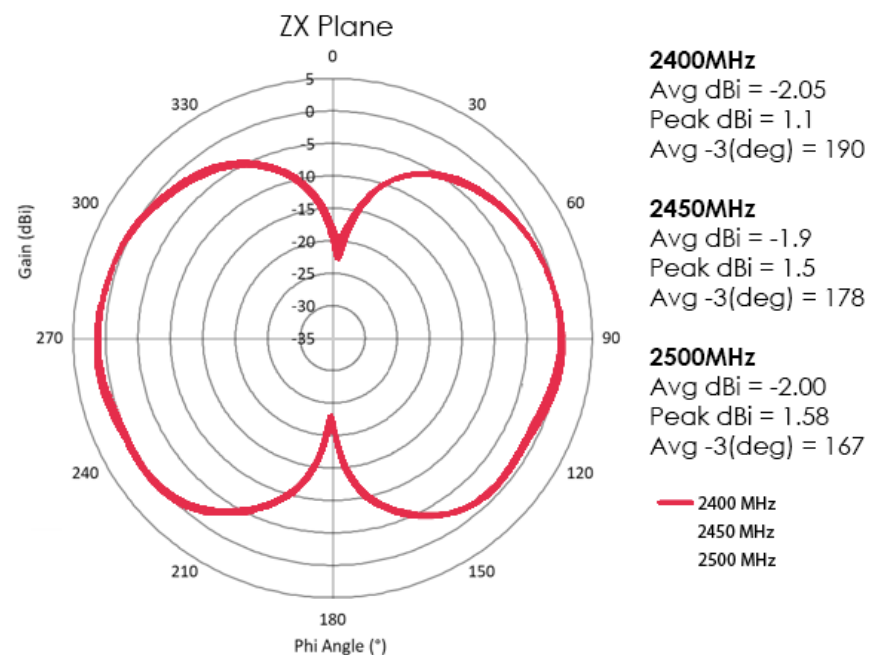
### 3. Mounting:

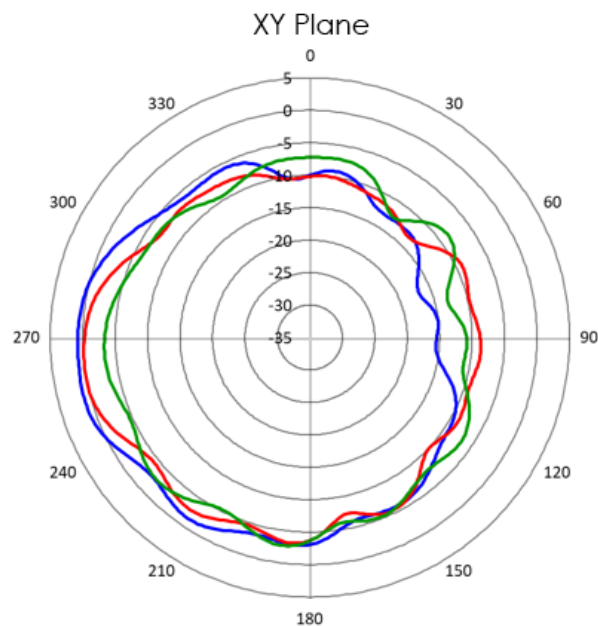
- Standard connector: Reverse Pole SMA.
- Termination Type: Swivel
- SAR minimum separation: 215mm



**4. Mechanical Drawing**

**4. VSWR**

**5. Antenna Radiation Pattern Chart****Horizontal Plane****Vertical Plane**

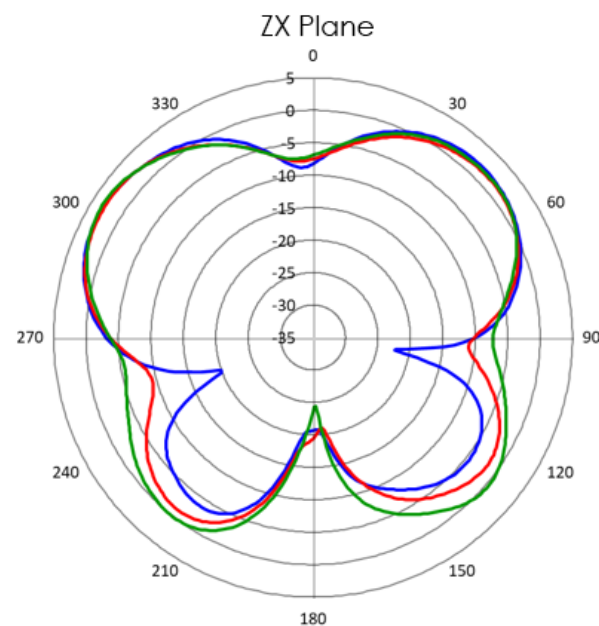
**5. Antenna Radiation Pattern Chart****Horizontal Plane**

**5150MHz**  
Avg dBi = -4.33  
Peak dBi = 1.03  
Avg -3(deg) = 75.5

**6000MHz**  
Avg dBi = -5.4  
Peak dBi = 0.05  
Avg -3(deg) = 56

**7125MHz**  
Avg dBi = -6.1  
Peak dBi = -2.65  
Avg -3(deg) = 127

— 5150MHz  
— 6000MHz  
— 7125MHz

**Vertical Plane**

**5150MHz**  
Avg dBi = -2.3  
Peak dBi = 3.1  
Avg -3(deg) = 91

**6000MHz**  
Avg dBi = -2.15  
Peak dBi = 2.9  
Avg -3(deg) = 82

**7125MHz**  
Avg dBi = -1.45  
Peak dBi = 3.3  
Avg -3(deg) = 80

— 5150MHz  
— 6000MHz  
— 7125MHz

