



### Key Features

- IP67 Rated
- 2.4GHz WiFi Antenna
- 3dBi Gain
- Compact Puck Design: Ø40 x 15mm

### General Description

The Tango 24 is a very compact, puck shaped antenna, tuned to 2.4GHz - WiFi / WLAN / Bluetooth / Zigbee frequencies. The Tango 24 has a diameter of 40mm and height of 15mm, so this antenna will fit comfortably on to most surfaces. Achieving an IP67 rating, this puck antenna is well suited to mounting securely inside or outside, with its 8mm long screw thread that provides a firm fix to its mounting surface. Furthermore, it has an adhesive base for dual mounting purposes and to prevent the risk of water ingress when used in outdoor environments. The Tango 24 is ideal for WiFi based applications that need a high performance antenna that can be mounted securely and remotely from the modem.

The Tango 24 is tuned to operate within the 2.4 to 2.5GHz frequencies, making this antenna perfect for WiFi, Bluetooth and Zigbee applications. The Tango 24 achieves a high peak gain of 3dBi, helping to improve the short range signal transmission/reception of your WiFi modems, Bluetooth gadgets or even your low power ZigBee sensor.

The Tango 24 is supplied, as standard, with 1 metre of RG174 coaxial cable, terminated with a reverse polarity SMA male connector. Custom cable lengths and alternative connector types can be supplied for volume requirements.

### Additional Considerations

- Help clear up WiFi 'dead spots'
- IP67 rating allows for outdoor use
- Screw threaded base for secure mounting
- Omni directional radiation to ease installation
- RoHS Compliant

Rev 1.2

#### Electrical Specifications

Operating temperature:	-40 to +60°C
Impedance:	50 ± 5ohm
Gain:	3dBii
VSWR:	≤1.5
Frequency range:	2400 - 2483MHz
Bandwidth:	100MHz
Power capacity:	50W
Polarization:	Vertical

#### Mechanical Specifications

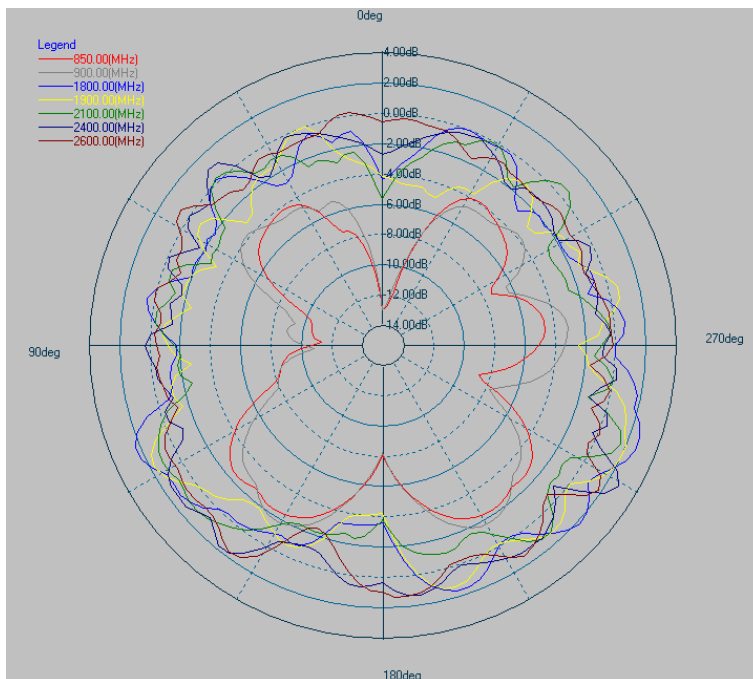
Dimensions:	Ø40 x 15mm
Connector:	SMA
Cable:	RG174
Mounting method:	Screw

#### Gain

##### WiFi

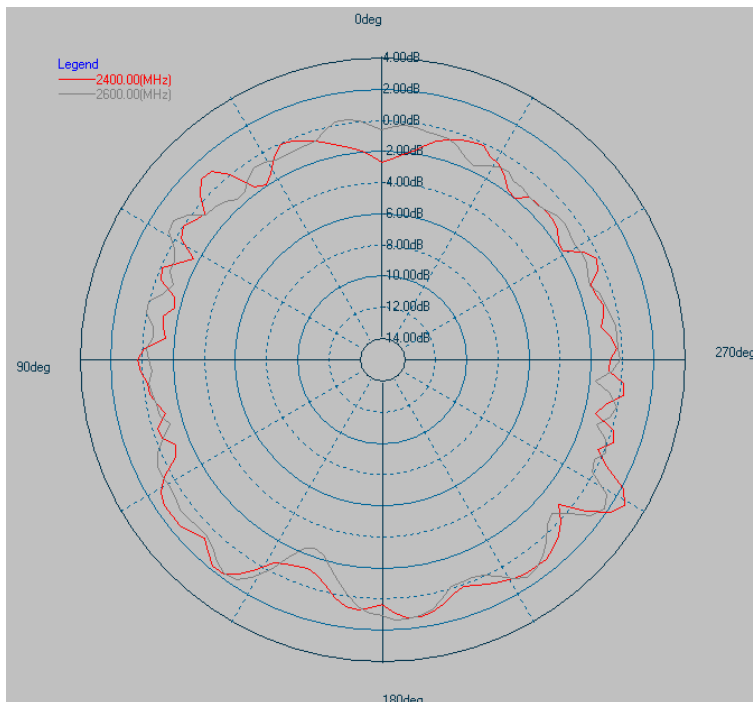
2400MHz	2.73dBi
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#### Gain vs. Frequency Graph (All)



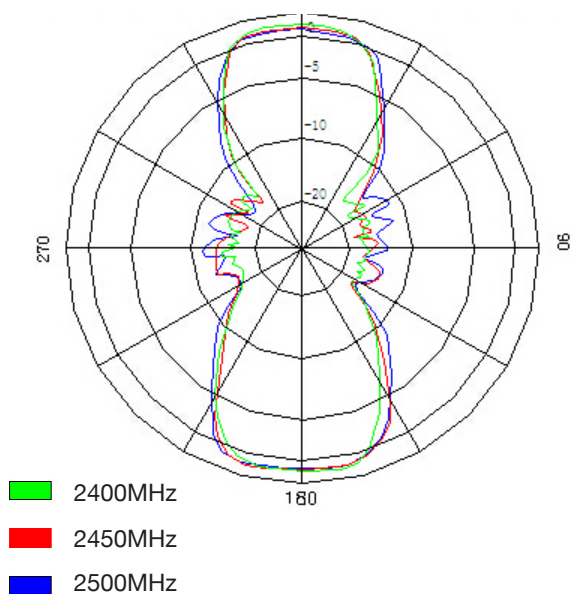
**UL Tested (Basingstoke, UK)**  
Part: TANGO24/1M/SMAM/S/RP/17

### Gain vs. Frequency Graph (WiFi)



**UL Tested (Basingstoke, UK)**  
Part: TANGO24/1M/SMAM/S/RP/17

### Radiation Pattern



### Return Loss Graph

