

### Key Features

- Dual Band: 2.4GHz & 5GHz
- 3dBi / 5dBi Gain, respectively
- IP67 Rated
- Tough Vandal Resistant Design
- Low Loss CLF100 Cable



### General Description

The Tango 23 is a compact, puck shaped antenna, tuned to the dual band 2.4 / 5GHz - WiFi / WLAN / Bluetooth / Zigbee frequencies. The Tango 23 has a diameter of 80mm and height of 23mm, so this antenna will fit comfortably on to most surfaces. It can be mounted securely inside or outside, with its 22mm long screw thread, IP67 rating and rubber seal gasket to prevent risk of water ingress. Vandal prone environments demand tough equipment that will resist excessive force upon them. The Tango 23 is designed for just that so it is commonly used alongside a host of WiFi applications that are operating in demanding environments – vandal prone areas, outdoors and harsh weather condition locations. With dual band compatibility (2.4/5GHz) the Tango 23 can be used with most modern day WiFi modems such as NetGear and TP-link's that operate on the traditional 2.4GHz and now the less congested - 5GHz bandwidth.

*The Tango 23 is supplied, as standard, with 500mm of low loss CLF100 cable, terminated with an reverse polarity SMA male connector. Custom cable lengths and alternative connector types can be supplied for volume requirements.*

### Additional Considerations

- Made with rubber seal gasket to prevent water ingress
- Supplied with a low loss cable for enhanced performance
- Omni directional radiation to ease installation
- RoHS Compliant

Rev 1.2

### Electrical Specifications

Operating temperature:	-40 to +85°C
Gain:	3 / 5dBi
VSWR:	<1.7
Frequency range:	2.4 - 2.5GHz / 5.1 - 5.9GHz
Polarization:	Linear vertical

### Mechanical Specifications

Dimensions:	45 x 80 x 45mm (L x W x H)
Connector:	RP SMA Male
Cable:	0.5m Low Loss CFL100
Mounting method	Ceiling / roof screw

### Gain

#### WiFi

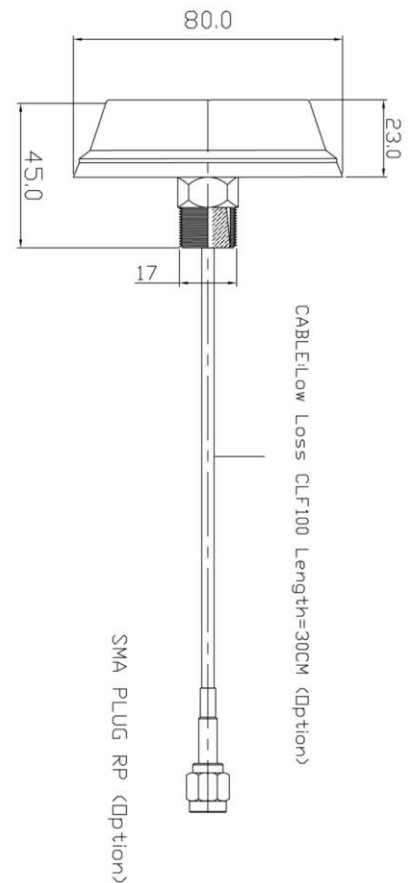
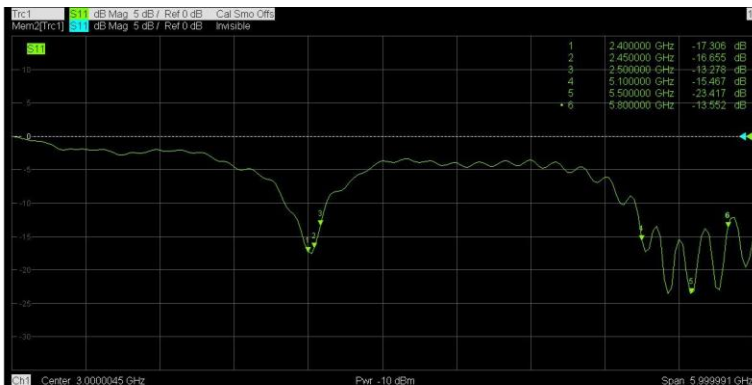
2400MHz	4.43dBi
2500MHz	4.26dBi

### Test Reports

#### VSWR

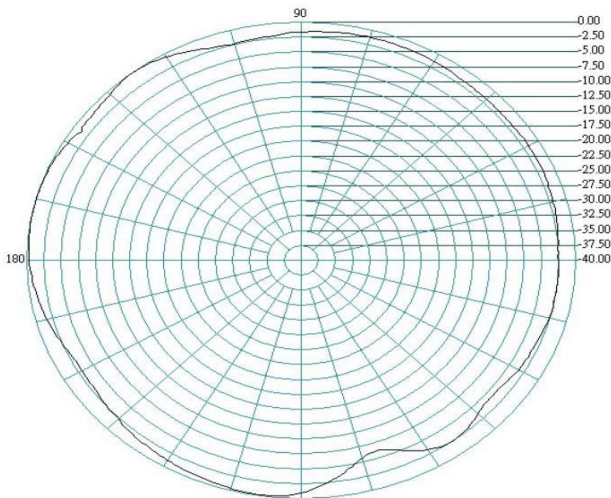


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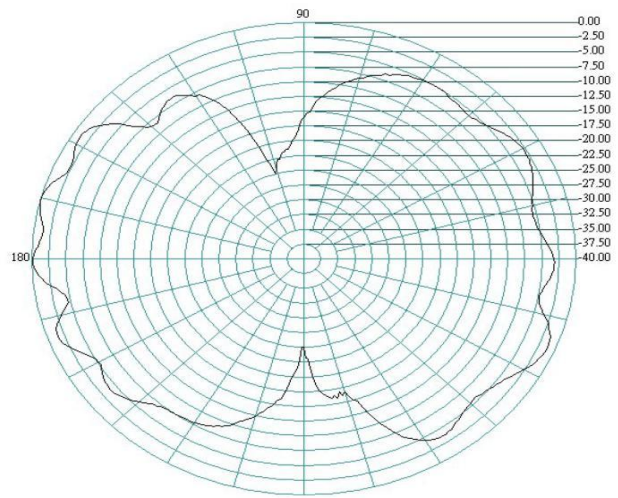


## Radiation Patterns

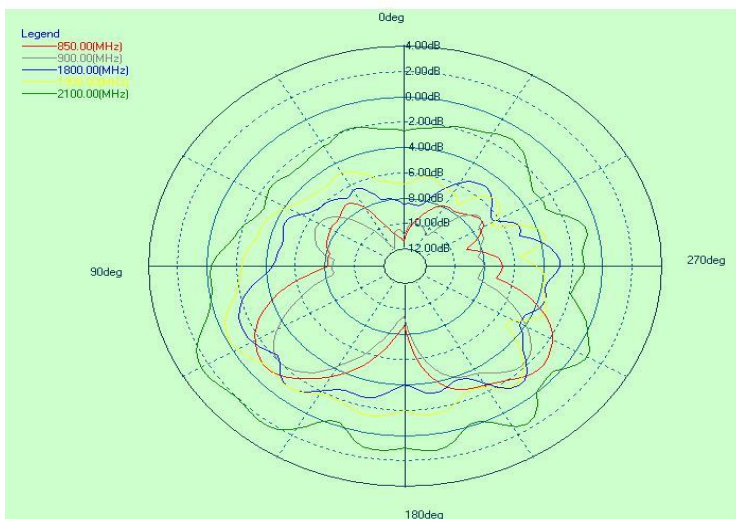
H Plane



E Plane



## Gain vs. Frequency Graph



**UL Tested (Basingstoke, UK)**  
Part: TANGO23/0.5M/SMAM/S/RP/19

Part Number

Description

TANGO23/1M/SMAM/S/RP/19	Through -hole Mount Dual Band WiFi/ WLAN antenna, 1M cable , Male
TANGO23/2.5M/SMAM/S/RP/19	Through -hole Mount Dual Band WiFi/ WLAN antenna, 2.5M cable , Male