



Tango 23

Through-hole Mount Dual Band WiFi / WLAN Antenna

Key Features

- Dual Band: 2.4GHz & 5.8GHz
- 3dBi / 5dBi Gain, respectively



General Description

The Tango 23 is a compact, puck antenna, tuned to dual band 2.4 / 5.8GHz - WiFi / WLAN, Bluetooth and Zigbee frequencies.

With dual band compatibility it can be used with most modern day WiFi single and dual band modems such as NetGear and TP-link thereby benefitting from the less congested upper band.

The Tango 23 is supplied as standard with low loss CLF100 cable and terminated with a reverse polarity SMA male connector.

Alternative cable lengths and connector types can be specified for volume orders.

Additional Considerations

- Made with a rubber seal gasket to resist water ingress
- Supplied with a low loss cable for enhanced performance
- Omni-directional radiation

T Through	WLAN 2400	WLAN 5800	ISM 2450
BLE Bluetooth	ZB Zigbee	WiFi 4 802.11n	WiFi 5 802.11ac
WiFi 6 802.11ax	IP 67		

Tango 23

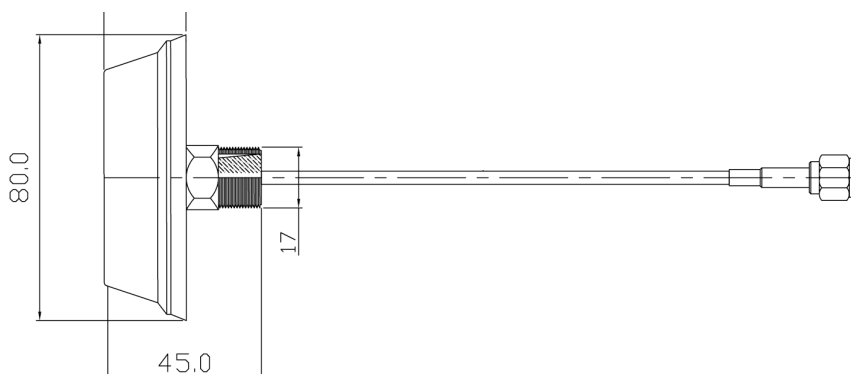
Through-hole Mount Dual Band WiFi / WLAN Antenna

Electrical Specifications

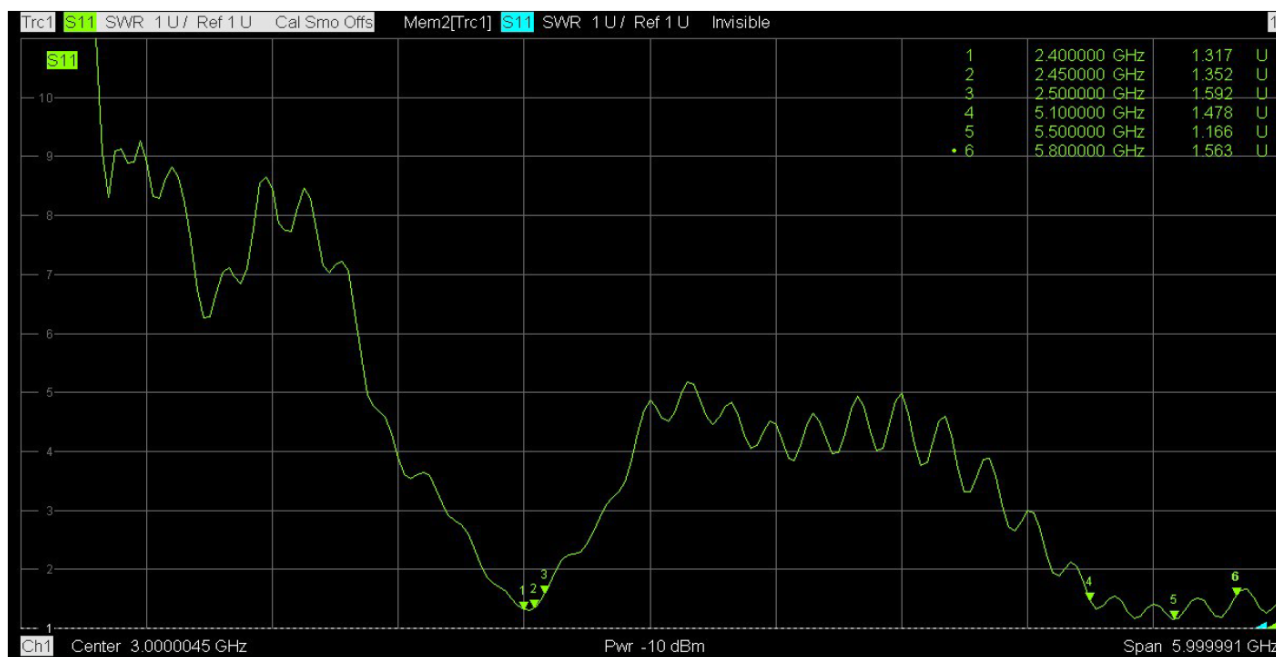
Operating Temperature:	-40 - +85°C
Peak Gain:	3 / 5dBi
VSWR:	<1.7
Frequency Range:	2.4 - 2.5GHz / 5.1 - 5.9GHz
Polarization:	Linear vertical

Mechanical Specifications

Dimensions:	Ø 80 x H23mm
Connector:	RP SMA Male
Cable:	Low Loss CFL100



VSWR

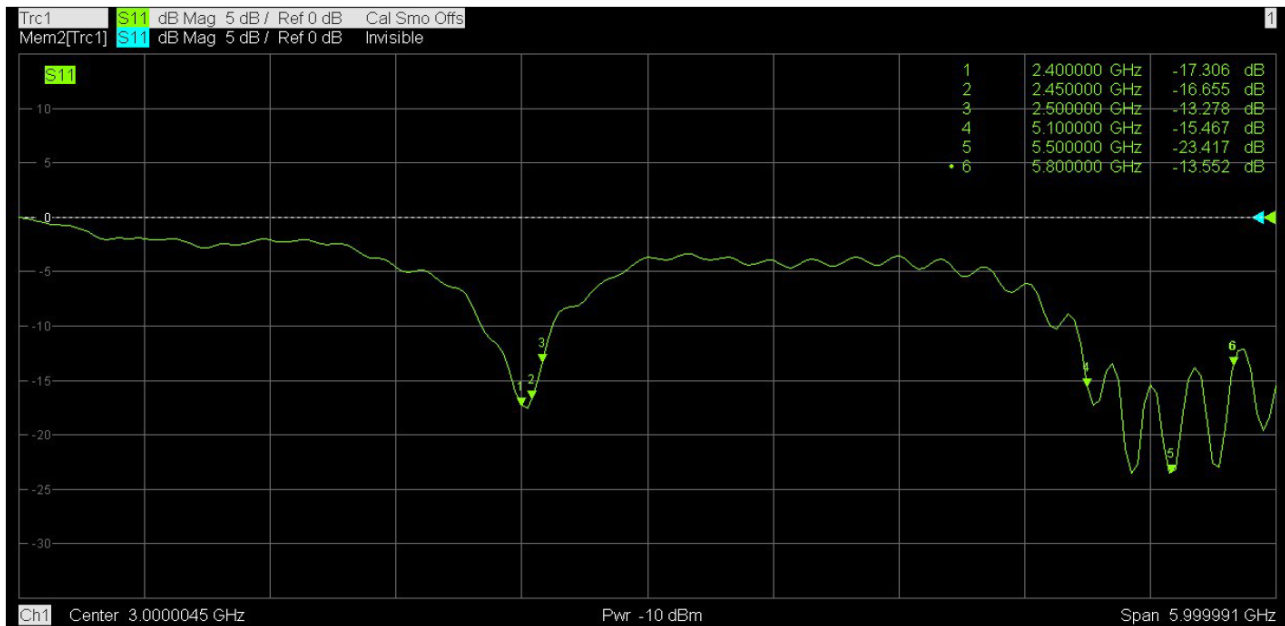




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Return Loss

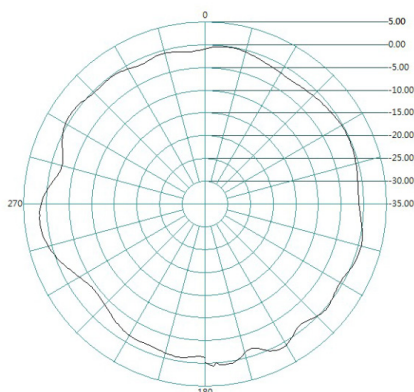


Radiation Patterns

tested with 0.35m RG174

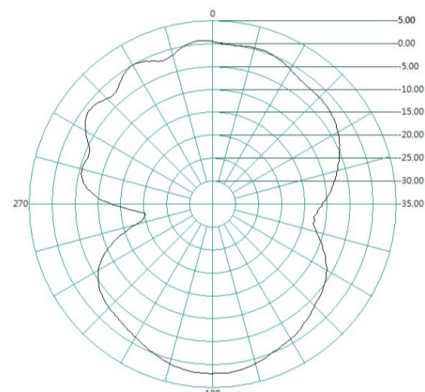
H Plane

2.4GHz



E Plane

2.4GHz

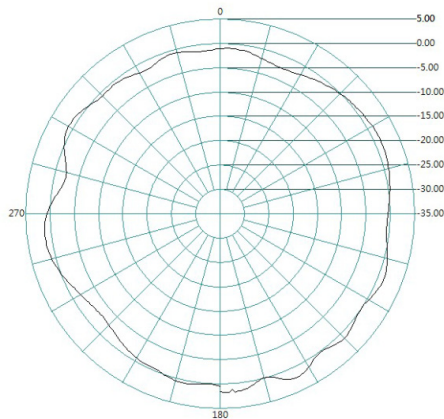




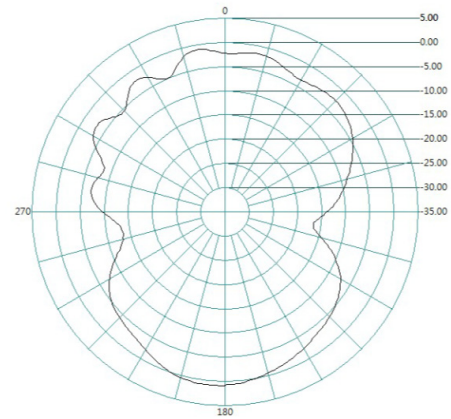
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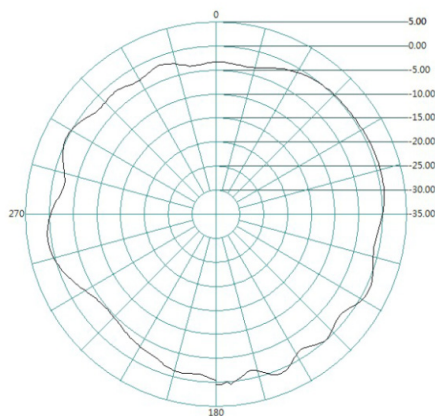
H Plane
2.45GHz



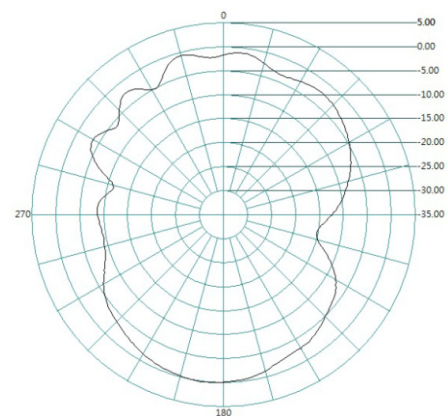
E Plane
2.45GHz



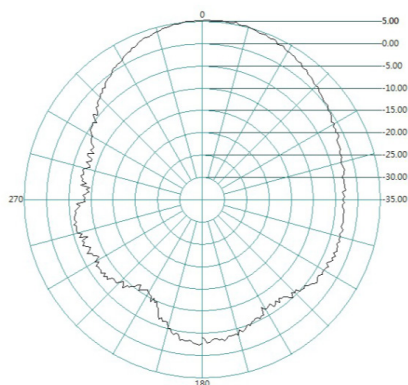
2.5GHz



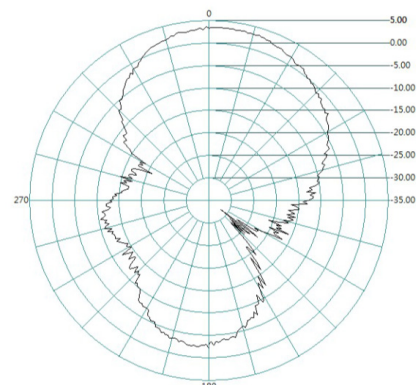
2.5GHz



5.1GHz



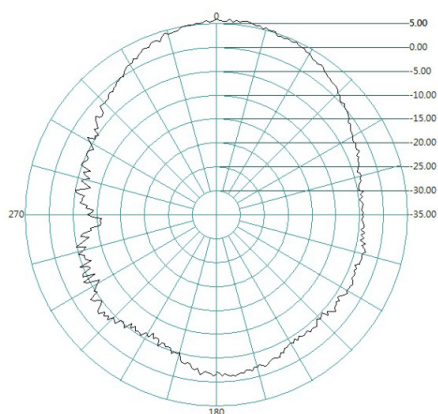
5.1GHz



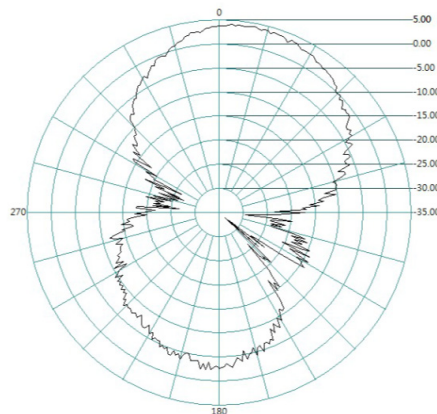
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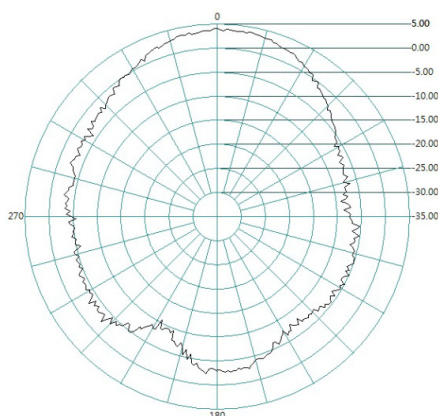
H Plane
5.5GHz



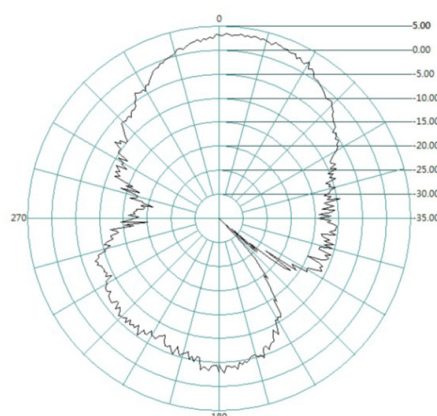
E Plane
5.5GHz



5.8GHz



5.8GHz



Ordering Details

Part number	Description
TANGO23/0.5M/SMAM/S/RP/19	Through-hole Mount Dual Band WiFi / WLAN antenna 0.5m Cable
TANGO23/1M/SMAM/S/RP/19	Through-hole Mount Dual Band WiFi / WLAN antenna 1m Cable
TANGO23/2.5M/SMAM/S/RP/19	Through-hole Mount Dual Band WiFi / WLAN antenna 2.5m Cable

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