



## Tango 14

Low Profile Quad Band GSM & 3G Screw Mount Antenna



### Key Features

- Low Profile Design, 18mm
- Quad Band GSM/GPRS & 3G
- Screw/Through-Hole Mount Antenna
- 3.68 dBi Peak Gain
- IP65 Rated

### General Description

The TANGO 14 is a low profile, robust and vandal resistant antenna suitable for equipment like vending machines.

It comes with a double sided sticky pad shaped to the antenna and forms a good seal between antenna and equipment it is mounted to.

The Tango 14 is designed for covert applications where the user wishes to keep their antenna relatively out of sight. Operating on GSM & 3G, the Tango 14 works well with various kinds of telemetry equipment, such as Siretta's Zeta and the Zoom terminal series.

The antenna is available with different cable lengths and connector types for volume orders.

### Additional Considerations

- Compatible worldwide with any cellular GSM application
- Perfect for covert applications
- Vandal resistant



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### Electrical Specifications

|                      |              |                       |  |
|----------------------|--------------|-----------------------|--|
| Temperature range:   | -40 to +85°C |                       |  |
| Impedance:           | 50ohm        |                       |  |
| VSWR:                | <2.0:1       |                       |  |
| Peak Gain            | 3.68 dBi     |                       |  |
| Operating frequency: | GSM/GPRS     | 890-960 /1710-1880MHz |  |
|                      | 3G           | 2100MHz               |  |
| Polarisation:        | GSM vertical |                       |  |

### Gain

#### GSM

|          |          |
|----------|----------|
| 850MHz:  | 3.68dBi  |
| 900MHz:  | 2.68dBi  |
| 1800MHz: | -1.09dBi |
| 1900MHz: | -2.44dBi |

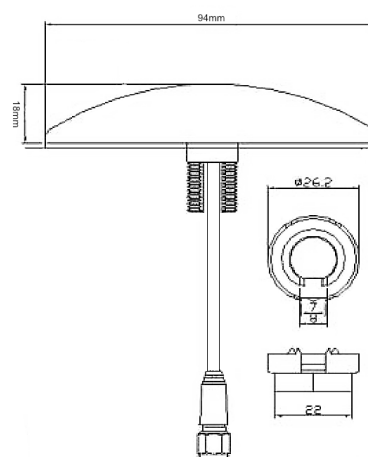
#### 3G

|          |          |
|----------|----------|
| 2100MHz: | -5.05dBi |
|----------|----------|

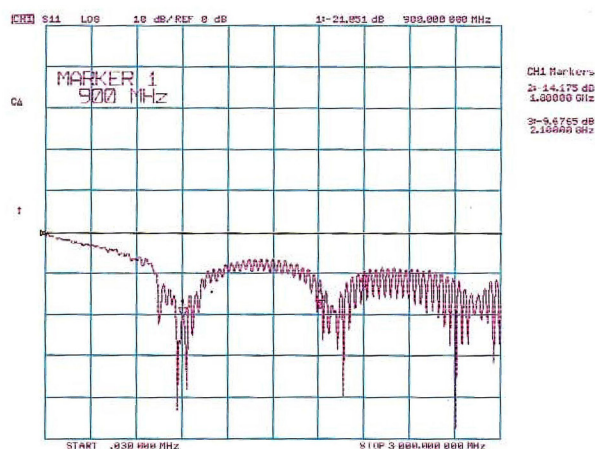
### Mechanical Specifications

|             |           |
|-------------|-----------|
| Dimensions: | ø94 x18mm |
| Cable:      | RG174     |

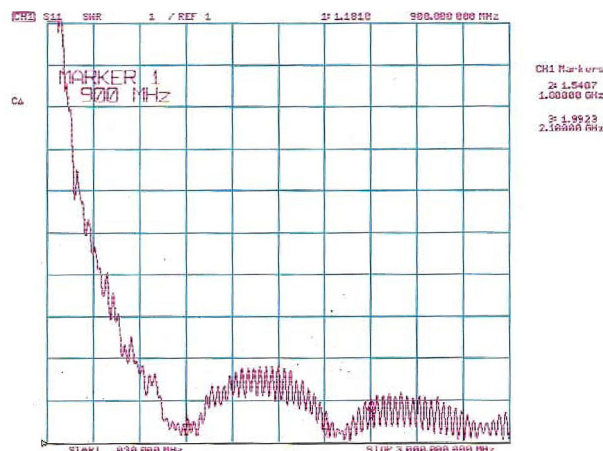
### Dimensions



### Return Loss



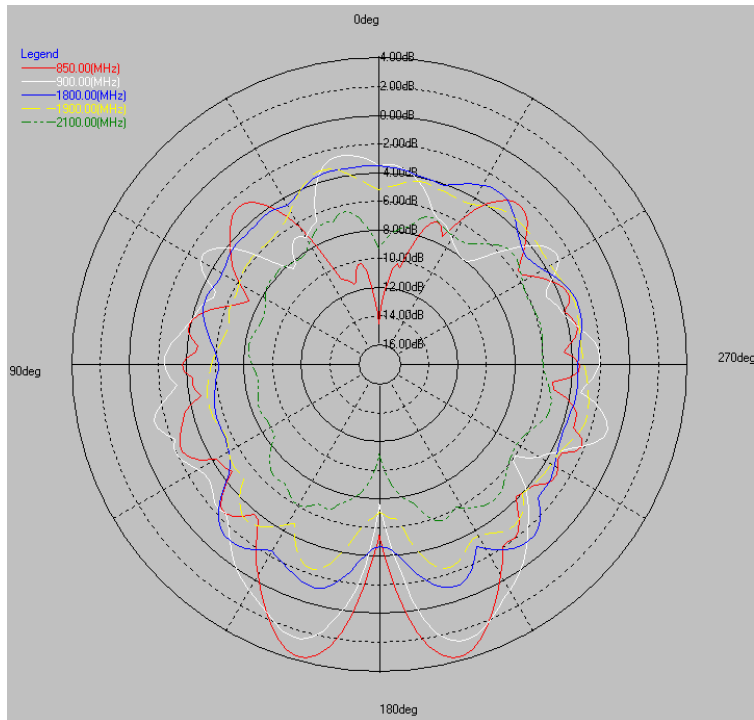
### VSWR



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### Radiation Plots



**UL Tested (Basingstoke, UK)**  
Part: TANGO14

### Ordering Details

| Part Number            | Description                                                           |
|------------------------|-----------------------------------------------------------------------|
| TANGO14/1M/SMAM/S/S/22 | Quad Band GSM & 3G Bolt Through Antenna, 1M Cable, SMA Male Connector |
| TANGO14/3M/SMAM/S/S/22 | Quad Band GSM & 3G Bolt Through Antenna, 3M Cable, SMA Male Connector |