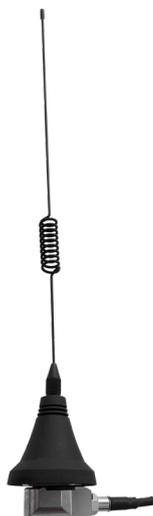




## Tango 18

GSM/GPRS & 3G 1/2 Wave Whip Antenna



### Key Features

- Quad Band GSM & 3G
- High gain of 4 dBi
- Suitable for automotive applications

### General Description

The Tango 18 is a 1/2 wave omni directional antenna with a high gain of 4dBi.

The right angle base has a through hole screw thread that can be mounted on a surface up to 4mm thick.

A common use for this antenna is to improve the cellular GSM & 3G signal strength, either in static or motion based applications. In areas with a weak signal the benefits of the 1/2 wave antenna gain will prove invaluable for keeping applications on line.

Available as standard with an SMA Male connector. Alternative cable lengths and connector types may be specified for volume orders.

### Additional Considerations

- Improves cellular GSM & 3G signals for mobile or stationary applications
- Omni directional
- Meets all EU compliance criteria for electronic goods





## Tango 18

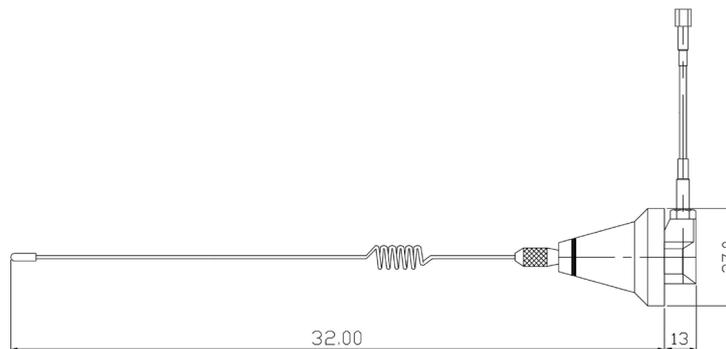
GSM/GPRS & 3G 1/2 Wave Whip Antenna

### Electrical Specifications

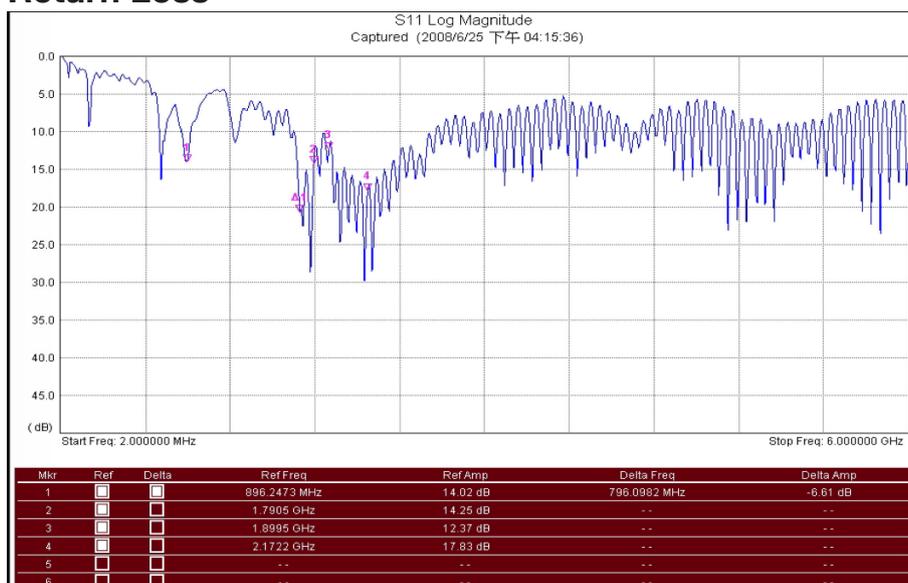
|                    |                               |
|--------------------|-------------------------------|
| Temperature Range: | -40 - 85°C                    |
| Humidity:          | 40 to 95% RH                  |
| Impedance:         | 50 Ohm                        |
| Peak Gain:         | 4dBi                          |
| VSWR:              | <1.8:1                        |
| Frequency Range:   | 850/ 900/ 1800/ 1900/ 2170MHz |
| Polarization:      | Linear vertical               |
| Max Power          | 50W                           |

### Mechanical Specifications

|   |          |
|---|----------|
| Dimensions:   | L320mm Ø |
| Cable:  | RG174    |
| Connector:  | SMA Male |
| Through hole dimension:   | 13mm     |
| Clearance needed for underside of panel to which antennas bolted: | 13mm     |



### Return Loss

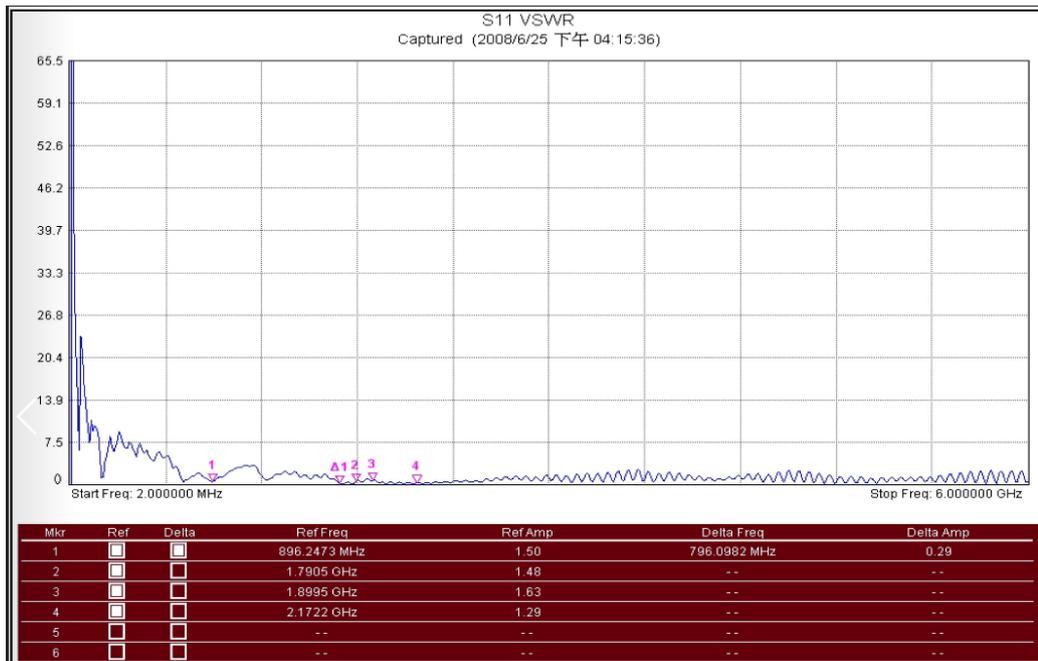




## Tango 18

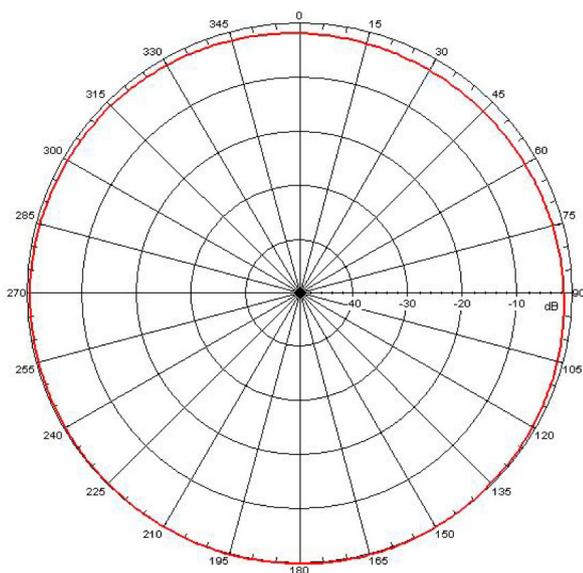
GSM/GPRS & 3G 1/2 Wave Whip Antenna

### VSWR

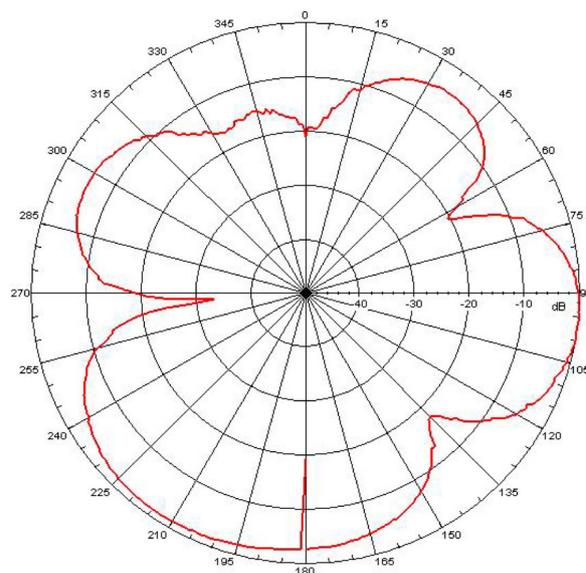


### Radiation Patterns

#### H Plane



#### E Plane





## Tango 18

GSM/GPRS & 3G 1/2 Wave Whip Antenna

### Tango 18 Mechanics



### Ordering Details

| Part number            | Description                         |
|------------------------|-------------------------------------|
| TANGO18/SMAM/3M/S/S/19 | GSM/GPRS & 3G 1/2 Wave Whip Antenna |