



## Tango 421

3G/4G/WiFi Ceiling mounted, weather resistant, 2 port MiMo diversity Antenna

### Key Features

- Heavy duty screw mount
- Dual port MiMo
- Designed for public transport



### General Description

The Tango421 antenna is good for vehicles and provides access to 3G and 4G cellular networks.

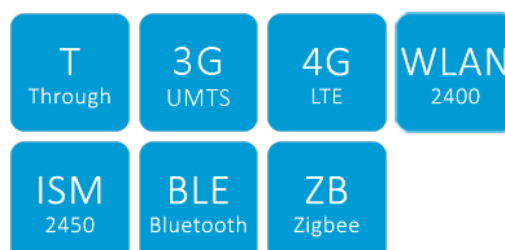
The Tango 421 can be used with one half of the antenna accessing the mobile networks and the second antenna providing a WiFi or Bluetooth service within the vehicle to its occupants.

The Tango 421 is a robustly built ceiling antenna that is weather and UV resistant for deploying on the roof of the intended vehicle. The antenna has a zinc plated steel backing plate with Stainless 12mm metal securing stud for mounting onto the vehicle.

Supplied as standard with SMA male connectors and 1.5m of cable. Alternative connectors and cable lengths may be specified for volume orders.

### Additional Considerations

- Horizontal and vertical plane dual antenna
- PRO100 low loss cables
- ABS plastic radome





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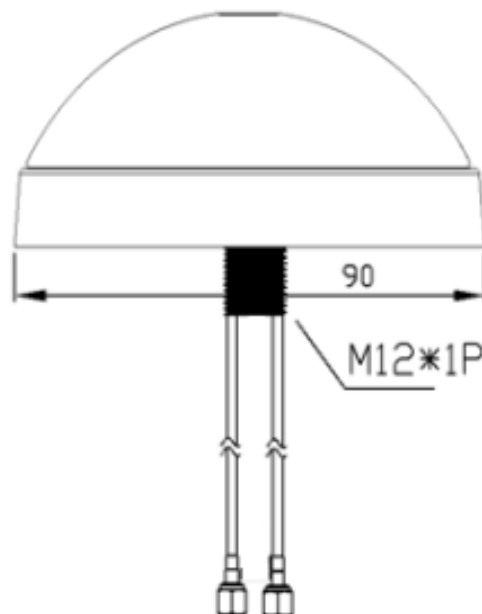
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### Electrical Specifications

Impedance:	50 Ohm
VSWR:	$\leq 2.5$
Gain Port1 (Vertical)-M	1710 - 2170MHz: 2.5dBi 2300 - 2700MHz: 3dBi
Gain Port2 (Horizontal)-D	1710 - 2170MHz: 4dBi 2300 - 2700MHz: 6dBi
Frequency range:	1710 - 2170 / 2300 - 2700MHz
Beam Width:	H: 360° / 68°, E: 60° / 90°
Max Power:	10W
Isolation:	$< -20$ dB
Polarization:	Vertical

### Mechanical Specifications

Operating Temperature:	-30 - +60°C
Dimensions:	Ø 90 x H40.5mm
Cable:	Low Loss PRO100 1.5M x 2
Connector:	SMA Male x 2
Material-radome:	ABS

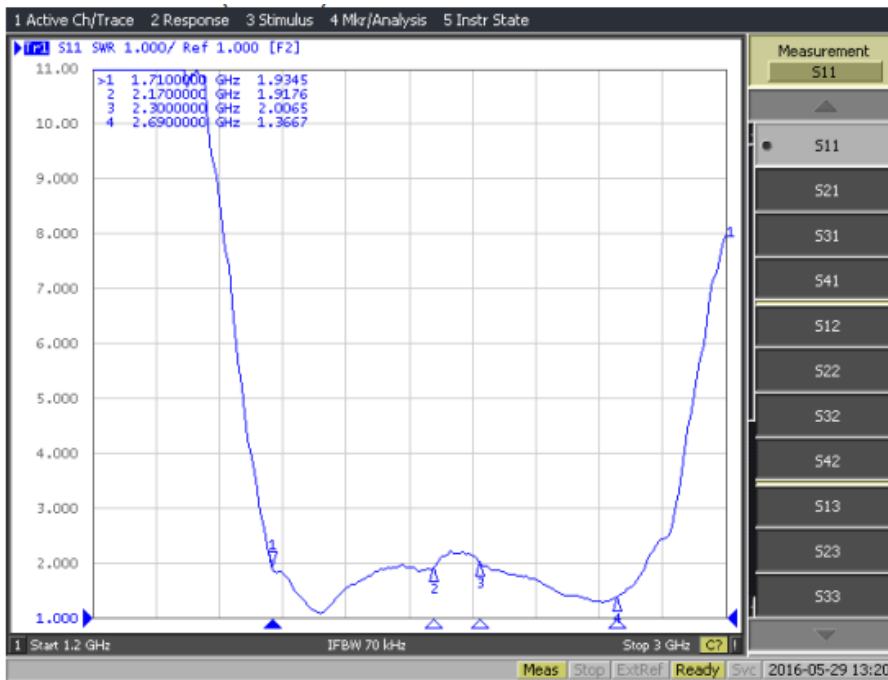




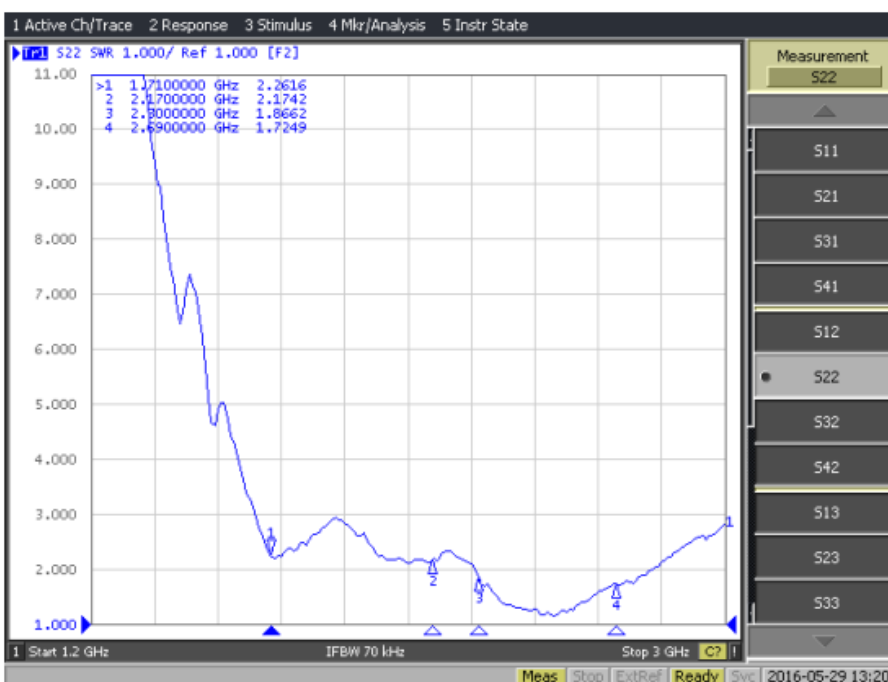
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### VSWR Antenna 1 - Vertical



### VSWR Antenna 2 - Horizontal

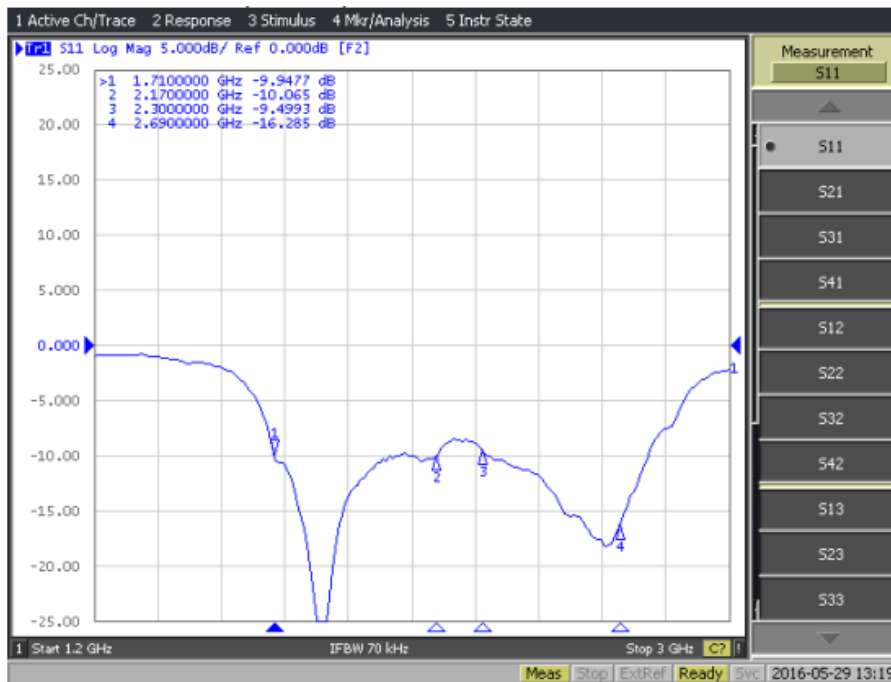




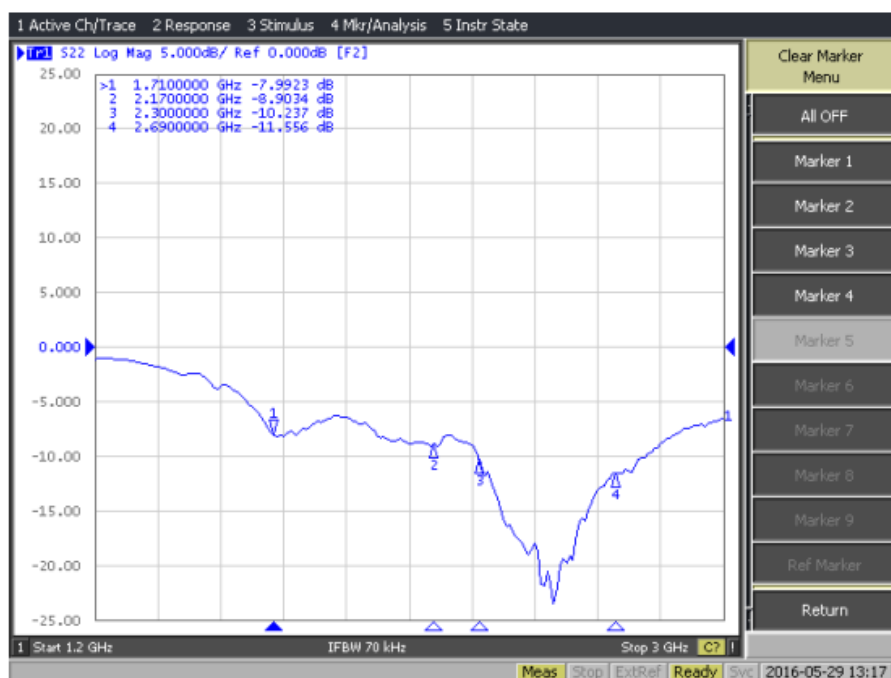
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### Return Loss Antenna 1 - Vertical



### Return Loss Antenna 2 - Horizontal

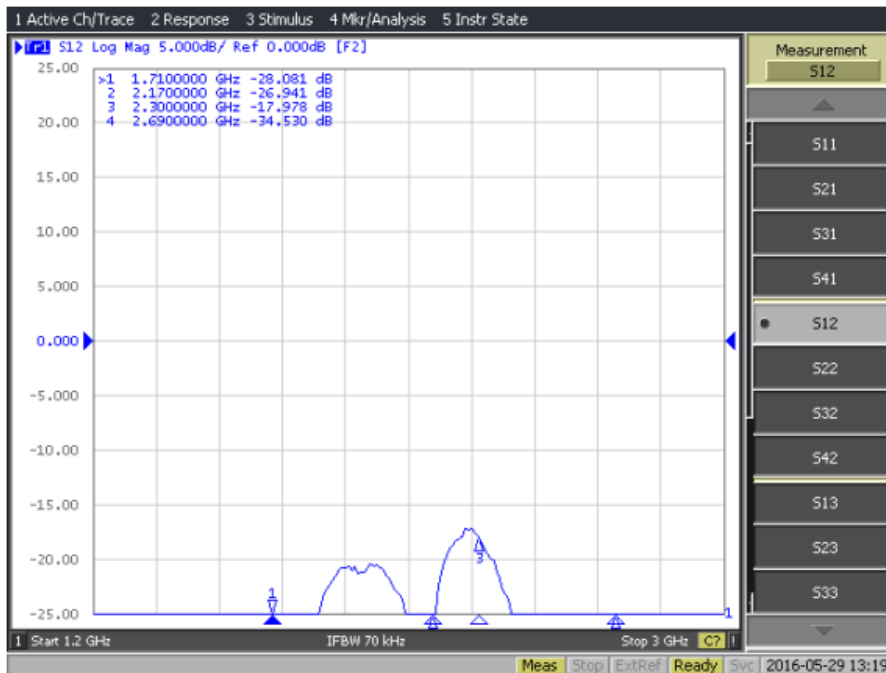




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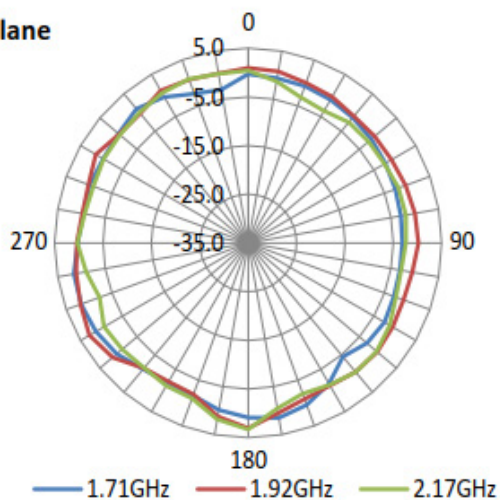
### Isolation



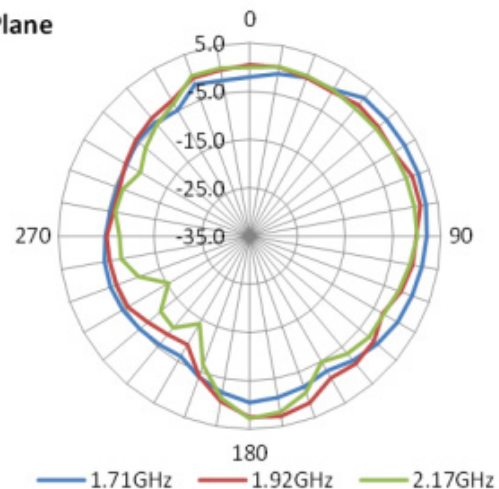
### Radiation Patterns

#### 1710 - 2170MHz Antenna 1 - Vertical Port

H-Plane



E-Plane

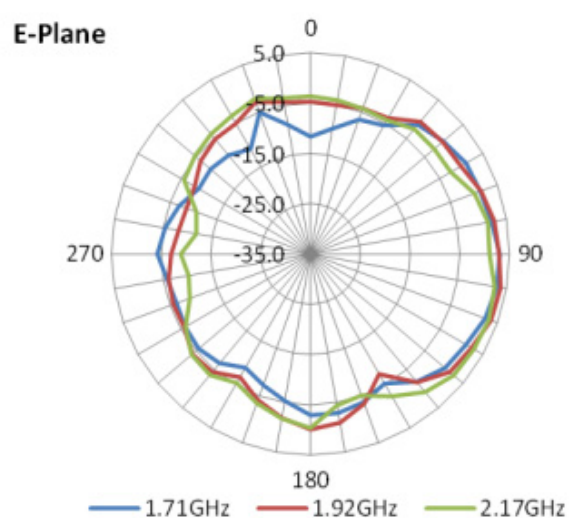
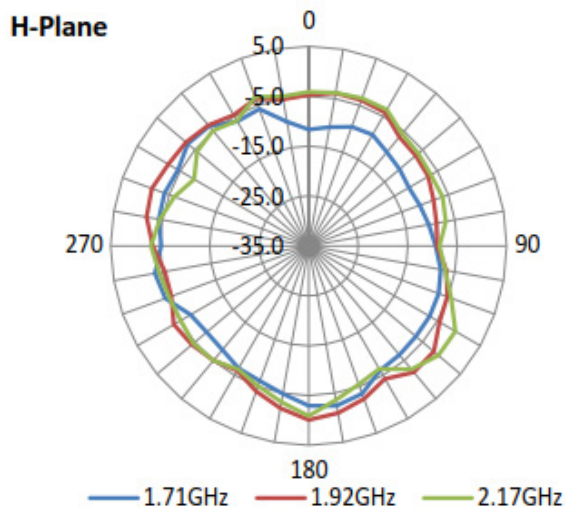




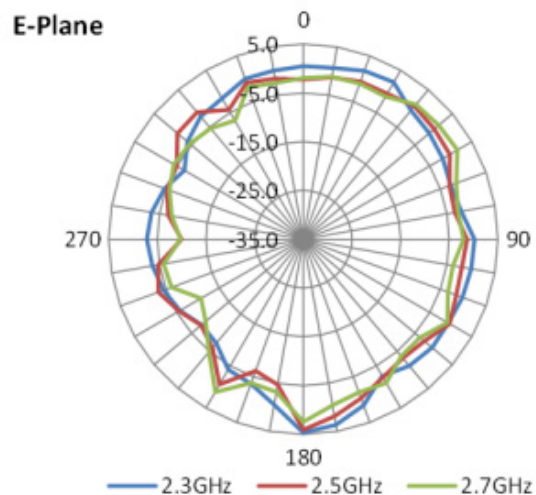
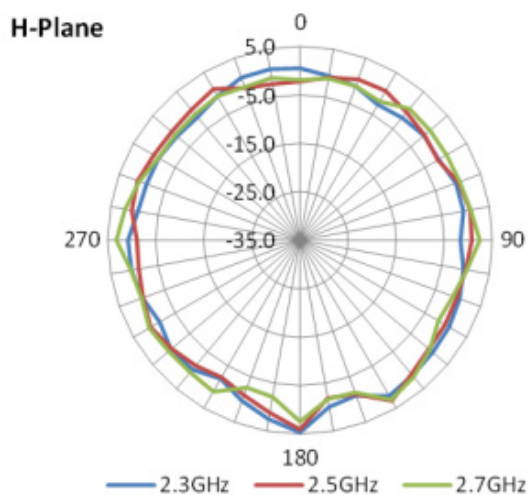
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### 1710 - 2170MHz Antenna 2 - Horizontal Port



### 2300 - 2700MHz Antenna 1 - Vertical Port



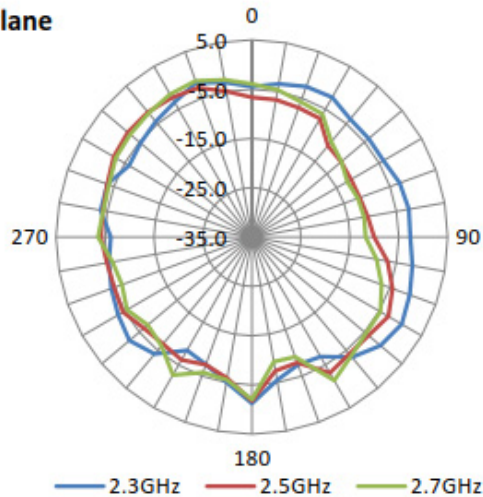


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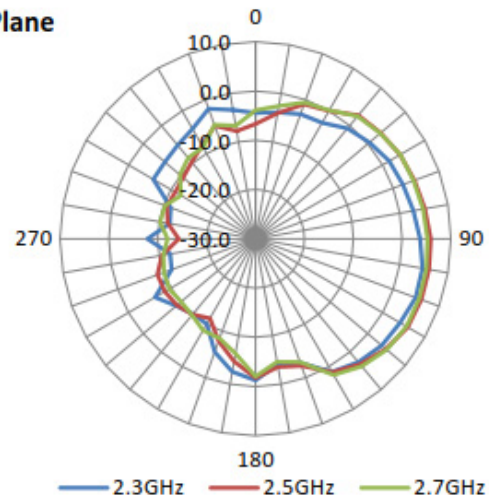
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### 2300 - 2700Hz Antenna 2 - Horizontal Port

H-Plane



E-Plane



### Ordering Details

Part Number	Description
TANGO421/1.5M/SMAM/SMAM/S/S/29	3G/4G/WiFi Ceiling mounted, weather and UV resistant, 2 port MiMo diversity Antenna

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Authorized Distributor

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