

## Mult Band ATEX/IECEX 3x3 MIMO Omni Directional Antennae Configuration

**Part Number:** TCATEX3nn

European ATEX Directive 94/9/EC Annex II, 1.0.6.)

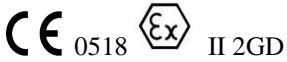
Certificate Numbers **Sira 14ATEX3084X** and

**IECEX SIR14.0037X**

Ex e IIC T6 Gb

Ex tb IIIC T85°C Db IP66

(Ta = -40°C to 60°C)



**Note:**

Differing Cable lengths can be supplied on request.



## Technical Specifications

### Electrical Properties

#### Frequency range

**Band 1** 1710~2000 MHz

**Band 2** 2000~2700 MHz

**Band 3** 2700~3800 MHz

**Band 4** 4900~5150 MHz

**Band 5** 5150~6000 MHz

**Impedance** 50 Ω

**VSWR** ≤ 2.0

**Polarization** Vertical

**Beamwidth horizontal** 360°

#### Gain

**Band 1** 1.5 dBi

**Band 2** 2.0 dBi

**Band 3** 1.5 dBi

**Band 4** 2.5 dBi

**Band 5** 2.0 dBi

**Connectors** Customers Specification

**Cable** RG58LSZH (FF)

LMR195/LMR400 LSZH (FR)

*The threshold power of the antenna shall be limited to 2 (two) watts when the antenna gain is taken into account.*

### Mechanical & Environmental Properties

**Dimensions** 433 x 95mm

**Weight** 1.7kg approx

**Material** PTFE. 2002/95/EC (RoHS) compliant

**Fixing Bracket** 316SS or Mild Steel Coated

**Operating temperature range** - 40°C to + 60°C

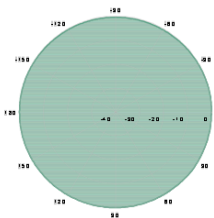
**Storage temperature range** - 40°C to + 60°C

**Water Tightness** IP66

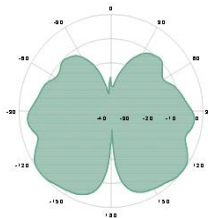
**Glands** M20 SS ATEX/IECEX Certified

M20 Brass ATEX/IECEX Certified

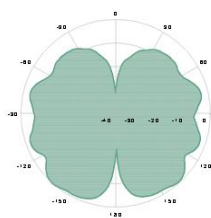
Horizontal  
All Bands



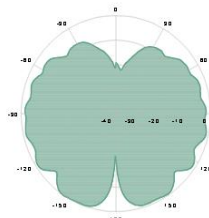
Vertical  
Band1  
1805MHz



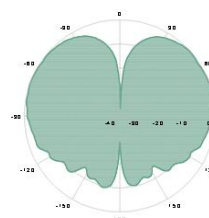
Vertical  
Band 2  
2400MHz



Vertical  
Band 3  
3300MHz



Vertical  
Band 4  
5000MHz



Vertical  
Band 5  
5600MHz

