

## Wireless Antennae and Accessories



- Wide range of antennae, cables and connectors available
- Including ATEX certified units
- High-gain industrial hardened units
- Cost-effective proven solutions

### DESCRIPTION

A wide range of wireless and other antennae are available from Cynergy3, including ATEX rated antennae for hazardous areas. The ANTA7000 is typically used on the IWR-PORT and IWT-128 units where they are mounted in non-metallic enclosures so transmission through the panel is not a problem. The connections is an SMA male.

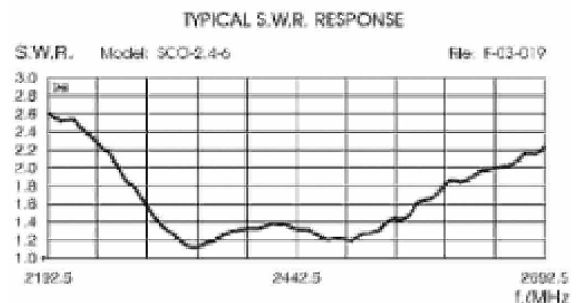
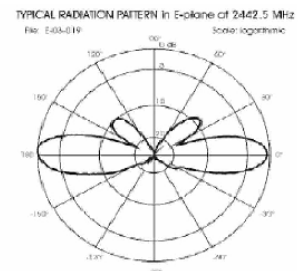
The ANT2401 is a high gain antenna suitable for mounting on the outside of control panels or on internal or external walls. It has a high power teflon element protected by a glass fibre tube. Connection is via an N-Type female connector.

The EX-ANT is optimised and certified for use in hazardous environments. It has a wide angle beam providing excellent coverage in multi path environments, for example where there are metal walls and equipment.

For a full listing of devices available or technical assistance in choosing a suitable antenna please contact our sales department.

### ANT2401 Technical Specifications

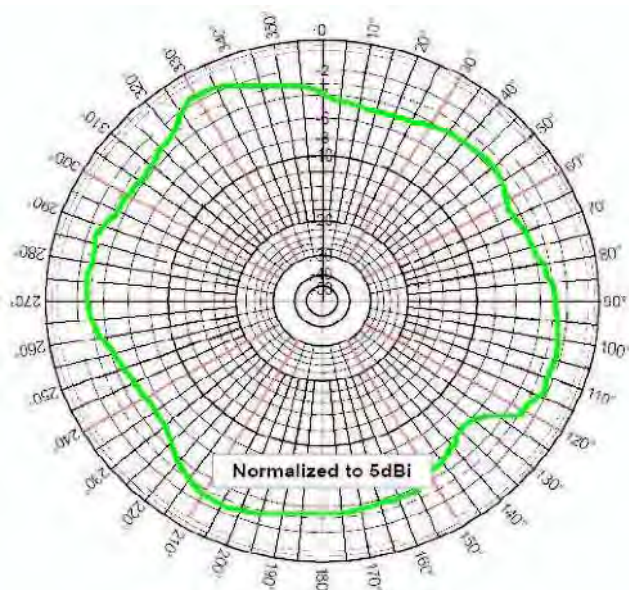
Type	Co-linear Dipole Array
Frequency Range	2300 - 2500 MHz
Impedance	50 ohm unbalanced
Gain	6 dBi
Max Power	20 Watts (CW) at 50°C
Beamwidth Horiz	360 deg omni directional
3 dB Beamwidth Vert	22 deg at 2242.5 MHz
Feed System	DC-Ground / Base
Connector	N type female



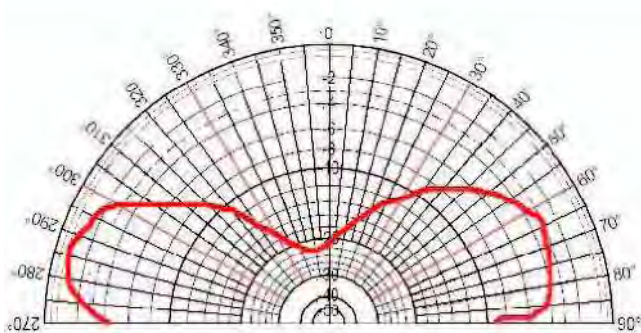
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### A7000 Characteristics

<b>Frequency Range</b>	2400 MHz
<b>Impedance</b>	50 ohm
<b>Gain</b>	2.14 dBi
<b>Temperature</b>	-30 to +80°C
<b>Polarisation</b>	Vertical
<b>Emission</b>	Omni Direction
<b>Dimensions</b>	53mm x 9.65mm
<b>Connector</b>	SMA Male RA



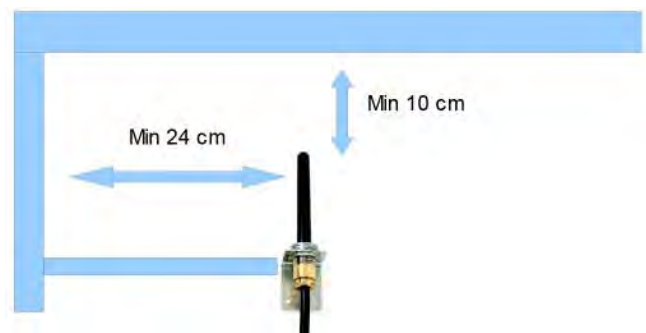
Azimuthal Pattern (X, Y or E-Plane)



Elevation Pattern (Z, Y or H-Plane)

### EX-ANT Characteristics

<b>Frequency Range</b>	2400 & 5000 MHz
<b>Impedance</b>	50 ohm
<b>Gain</b>	2 dBi
<b>Temperature</b>	-30 to +60°C
<b>Vertical Beam Width</b>	80°
<b>Horiz Beam Width</b>	360°
<b>Max Input Power</b>	2 Watts (Ex limitation)
<b>Connector</b>	10 metres cable
<b>Weight</b>	100g
<b>Length</b>	125mm
<b>Radome material</b>	EX certified plastic
<b>Wind survival</b>	> 150 mph
<b>Mounting Method</b>	Wall / mast adaptor



Installation Guide

### Ordering Information

<b>Part Number</b>	<b>ANT2401</b> Antenna Mounting Bracket
<b>Part Number</b>	<b>A7000</b> Antenna
<b>Part Number</b>	<b>Eg Ex-ANT</b> EX Antenna 10 meters cable Mounting Bracket