



Specification

# SPECIFICATION

- Part No. : SA.PANEL.30
- Spec No. : 30-37
- Product Name : 12dBi 3300-3800MHz CPE Antenna
- Dimensions : 180\*100\*35 mm
- Features :
  - Excellent Radiation Patterns
  - Low Upper Side lobes
  - Wide Bandwidth with stable gain across the band
  - UV Stabilised Radome
  - RoHS Compliant



## REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
01	November 3 <sup>rd</sup>	All	Revised Product	Ireland Product Centre	Dermot O'Shea



## Specification

# 1.0 Introduction

The SA.PANEL.30 is a broadband dual polarised Dual Port CPE Antenna. The antenna has a rugged mechanical construction, compact design and utilises advanced electrical design developed from cellular and WiMAX base station antenna technology and design techniques. This antenna is designed to meet the most stringent environmental conditions.

# 2.0 Antenna Performance

## 2.1 Electrical Specifications

1	Communication System	WiMax
2	Frequency Band	3300 MHz - 3800 MHz
3	Return Loss	>15dB
4	Gain	12 dBi
5	Impedance	50 Ohm
6	Polarization	+/-45° Slant
7	Max Power Handling	50W
8	Horizontal 3dB Beamwidth	60°
9	Vertical 3dB Beamwidth	30°
10	Front to Back Ratio	>25dB
11	Isolation	>25dB
12	Upper Sidelobe Suppression	>18dB
13	Electrical Downtilt	0°

## 2.2 Mechanical Specifications

1	Connector	2 x SMA Type Female
2	Connector Location	Bottom
3	Dimensions (L*W*D)	180*100*35mm
4	Weight	300g
5	Radome	UV Stabilized Styrosun
6	Mounting Options	Standard = Pipe/Pole Mount (included)
		Adjustable = Mount Kit (CL-V-102)



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### 2.3 Environmental Ratings

1	Rated Wind Velocity	200km/h (125mph)
2	Lightening Protection	DC Grounded
3	Temperature	-40°C to +70°C

### 3.0 Pattern

