



SA2500-090V-16

Panel Antenna

Decibel®
Base Station Antennas

- Broadband Sector Antenna ideally suited for WiMax applications
- High performance in a small, lightweight package
- Superior front to back ratio
- Rugged reliable design

ELECTRICAL

Frequency (MHz) :	2300 - 2700
Polarization :	Vertical
Gain (dBd/dBi) :	14.8/16.9
Azimuth BW (Deg.):	88
Elevation BW (Deg.):	5.7
Beam Tilt (Deg.):	2
USLS* (dB) :	18
Front-To-Back Ratio* (dB) :	34
VSWR :	<1.5:1
PIM3 @ 2 x 20w (dBc) :	-140
Max. Input Power (Watts) :	50
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

MECHANICAL

Weight :	3.8 kg (8.4 lb)
Dimensions (LxWxD) :	1,219 x 168 x 84 mm (48 x 6.6 x 3.3 in)
Max. Wind Area :	0.10 m ² (1.1 ft ²)
Max. Wind Load (@ 100 mph) :	271.3 N (61 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Stainless Steel
Connector Type :	N - Type Female (1, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	602030WM



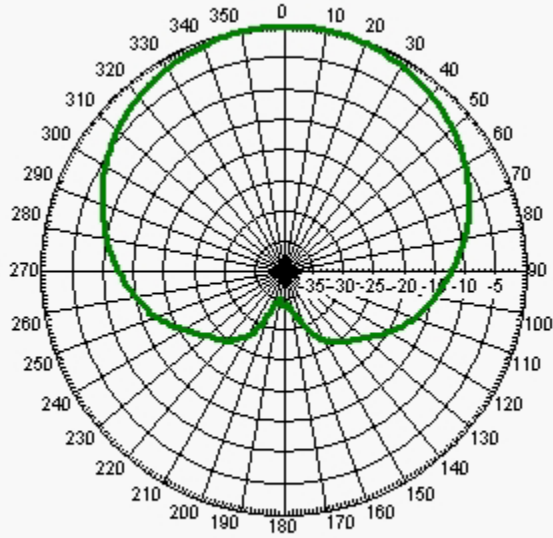


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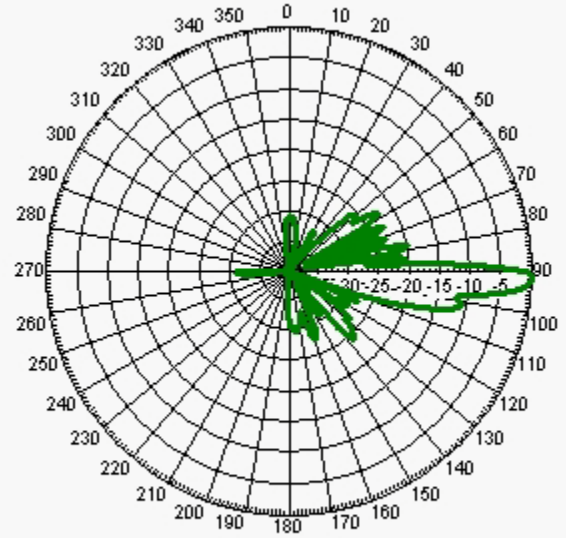
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AZIMUTH PATTERN



Freq: 2500 MHz, Tilt: 2

ELEVATION PATTERN



Freq: 2500 MHz, Tilt: 2