



UMWD-09014B-XDH

DualPol® Antenna

Decibel®
Base Station Antennas

- Patented cross dipole and feed system.
- Features field adjustable electrical down tilt with multiple, linear phase shifters for excellent RF control.
- Fully compatible with Andrew Teletilt® remote control antenna system.
- Rugged, reliable design with excellent PIM suppression.

ELECTRICAL

Frequency (MHz) :	1710 - 1880	1850 - 1990	1920 - 2170
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	14.1/16.2	14/16.1	13.9/16
Azimuth BW (Deg.):	89	90	91
Elevation BW (Deg.):	7	6.5	6
Beam Tilt (Deg.):	0-8	0-8	0-8
USLS* (dB) :	15	15	15
Front-To-Back Ratio* (dB) :	25	25	25
Isolation (dB) :	>30	>30	>30
VSWR :	<1.5:1	<1.5:1	<1.5:1
PIM3 @ 2 x 20w (dBc) :	-150	-150	-150
Max. Input Power (Watts) :	300	300	300
Impedance (Ohms) :	50	50	50
Lightning Protection :	DC Ground	DC Ground	DC Ground

MECHANICAL

Weight :	5.9 kg (13.2 lb)
Dimensions (LxWxD) :	1,308 x 173 x 89 mm (51.5 x 6.8 x 3.5 in)
Max. Wind Area :	0.11 m ² (1.2 ft ²)
Max. Wind Load (@ 100 mph) :	311.3 N (70 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Off White
Standard Mounting Hardware :	602030A



RET Ordering Information

Field Installed:	UMWD-09014B-XDH
Factory Installed, ATM200 Series:	UMWD-09014B-R2DH

Andrew Corporation
2601 Telecom Parkway
Richardson, Texas U.S.A 75082-3521
Tel: 214.631.0310

Fax: 214.631.4706
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

* - Indicates Typical
3/29/2007
dbtech@andrew.com

Information correct at date of issue but may be subject to change without notice.



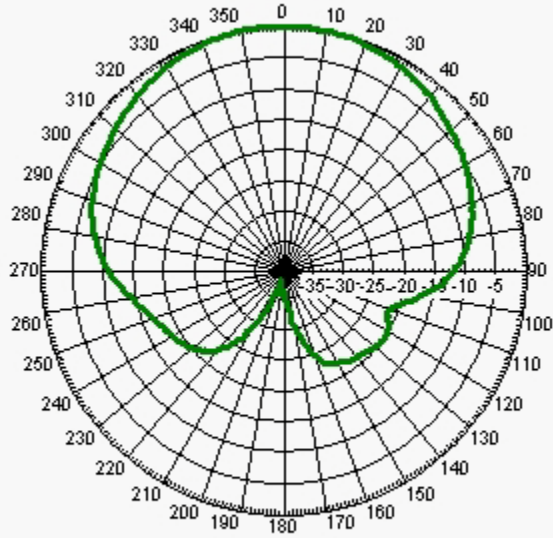
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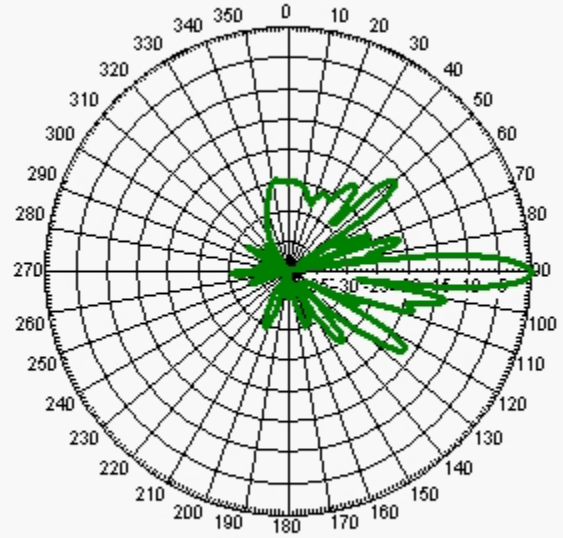
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AZIMUTH PATTERN

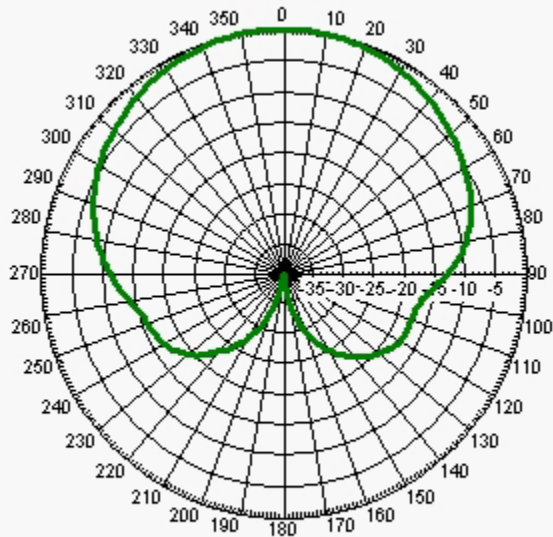
ELEVATION PATTERN



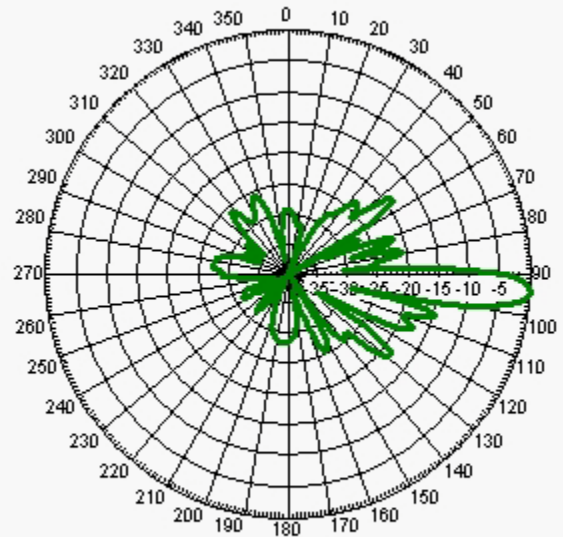
Freq: 1920 MHz, Tilt: 0



Freq: 1920 MHz, Tilt: 0



Freq: 1920 MHz, Tilt: 4



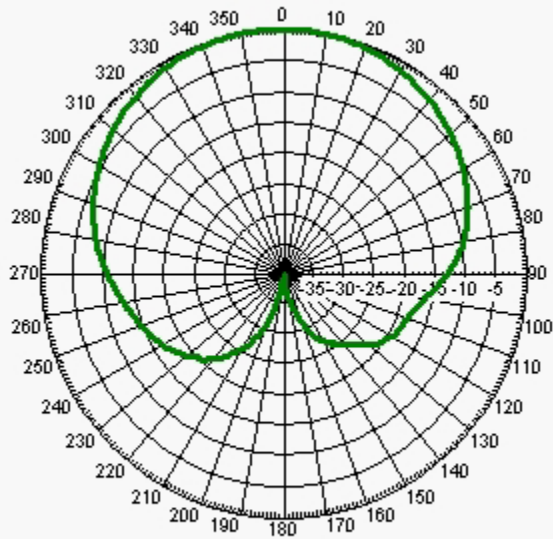
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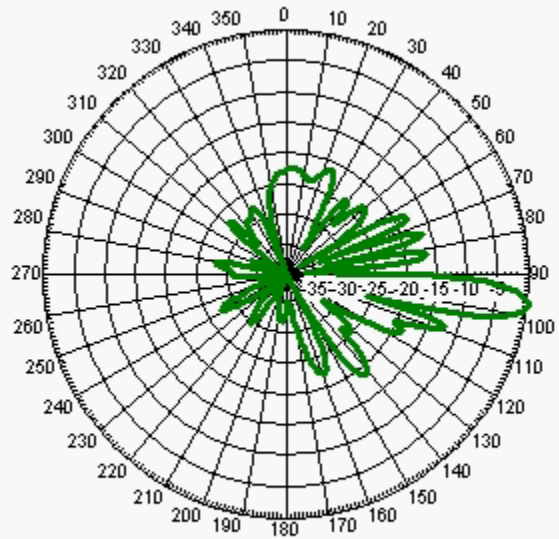
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Freq: 1920 MHz, Tilt: 7



Freq: 1920 MHz, Tilt: 7