UMWD-04517-XDM

DualPol® Antenna

Decibel®
Base Station Antennas

- Ideal antenna for high gain corridor coverage or capacity optimization.
- Features field adjustable electrical down tilt.
- 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) :	16.6/18.7	16.7/18.8	17/19.1
Azimuth BW (Deg.):	45	45	41
Elevation BW (Deg.):	7	6.5	6
Beam Tilt (Deg.):	0-7	0-7	0-7
USLS* (dB) :	15	15	15
Front-To-Back Ratio* (dB) :	30	30	30
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) :	250	250	250
Impedance (Ohms) :	50	50	50
Lightning Protection :	DC Ground	DC Ground	DC Ground

MECHANICAL

Weight :	12.7 kg (28 lb)
Dimensions (LxWxD) :	1,461 x 269 x 132 mm (57.5 x 10.6 x 5.2 in)
Max. Wind Area :	0.22 m² (2.4 ft²)
Max. Wind Load (@ 100 mph) :	587.1 N (132 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Off White
Standard Mounting Hardware :	600899A-2
WeatherShield™ Enclosure: (Must order separately)	AWE-A12

RET Ordering Information

Field Installed:	**UMWD-04517-XDM**
Factory Installed, ATM200 Series:	**UMWD-04517-R2DM**

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

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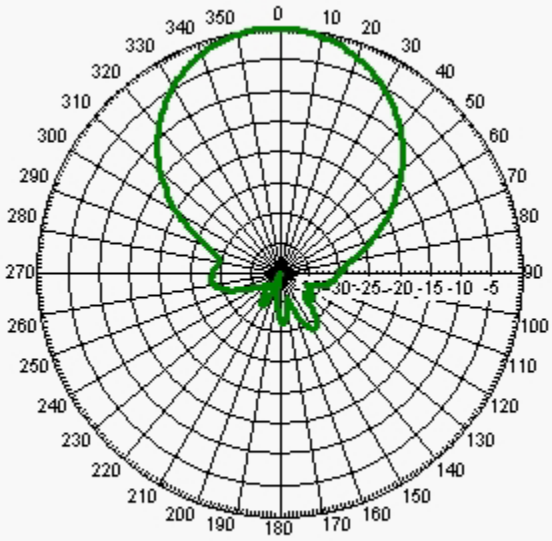
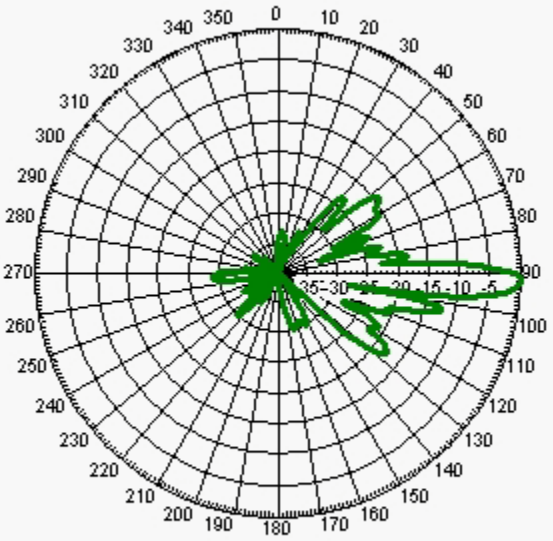
AZIMUTH PATTERN

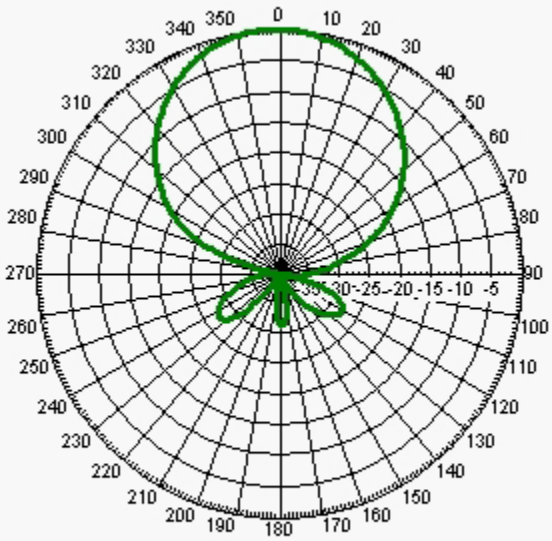


Freq: 1785 MHz, Tilt: 2

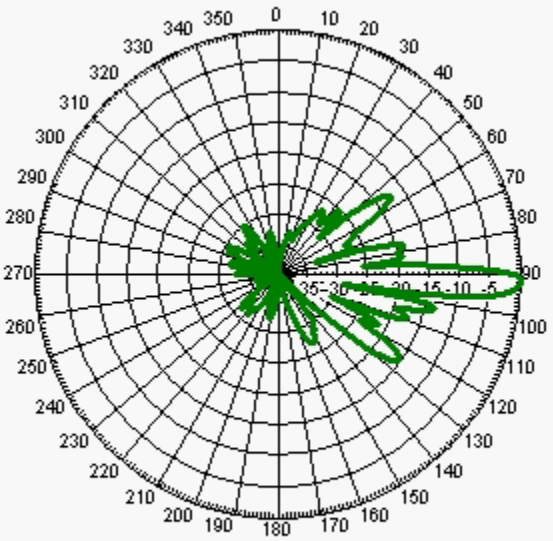
ELEVATION PATTERN



Freq: 1785 MHz, Tilt: 2



Freq: 1920 MHz, Tilt: 2



Freq: 1920 MHz, Tilt: 2

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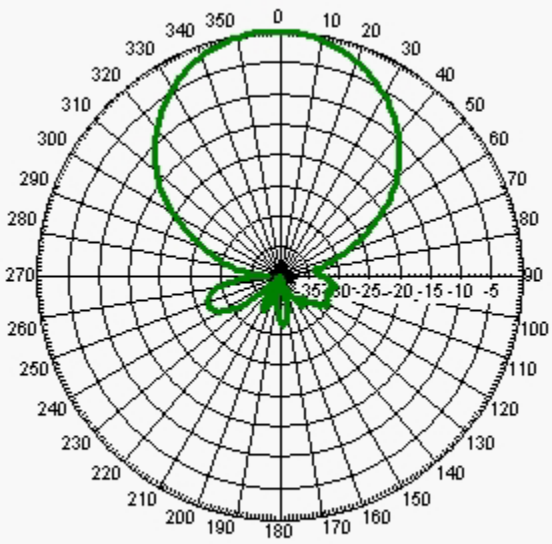
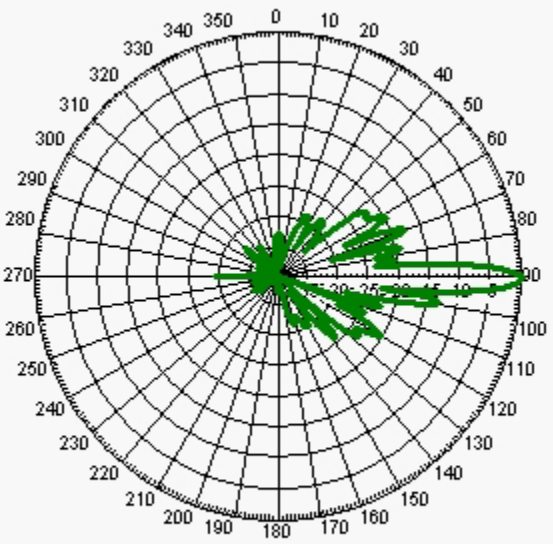


Freq: 2110 MHz, Tilt: 2



Freq: 2110 MHz, Tilt: 0

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