UMWD-06517-4DH

DualPol® Antenna

Decibel®
Base Station Antennas

- State of the art air dielectric feed system.
- No screws, fasteners, welds or solder in RF path for exceptional low PIM results.
- Excellent upper side lobe suppression for interference reduction.
- Simple, yet rugged design provides for excellent long-term reliability.

ELECTRICAL

Frequency (MHz) :	1710 - 1880	1850 - 1990	1920 - 2170
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	16.9/19	17.1/19.2	17.4/19.5
Azimuth BW (Deg.):	67	65	63
Elevation BW (Deg.):	4.5	4.2	4
Beam Tilt (Deg.):	4	4	4
USLS* (dB) :	15	16	16
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 :	7.7 kg (17 lb)
Dimensions (LxWxD) :	2,047 x 173 x 89 mm (80.6 x 6.8 x 3.5 in)
Max. Wind Area :	0.19 m² (2 ft²)
Max. Wind Load (@ 100 mph) :	512.8 N (115.3 lbf)
Max. Wind Speed :	217 km/h (135 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Off White
Standard Mounting Hardware :	602030A
WeatherShield™ Enclosure: (Must order separately)	AWE-A12

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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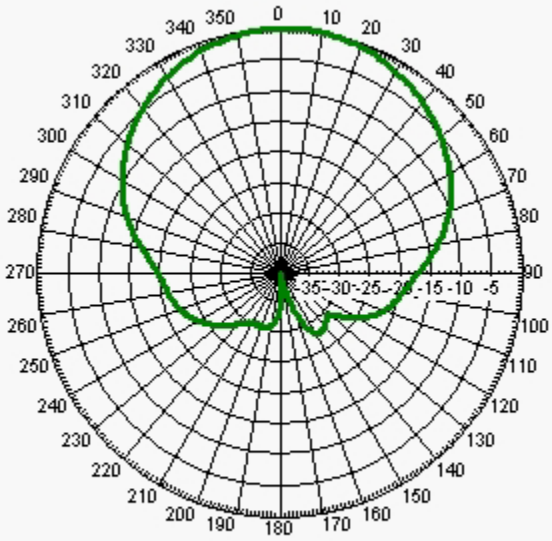
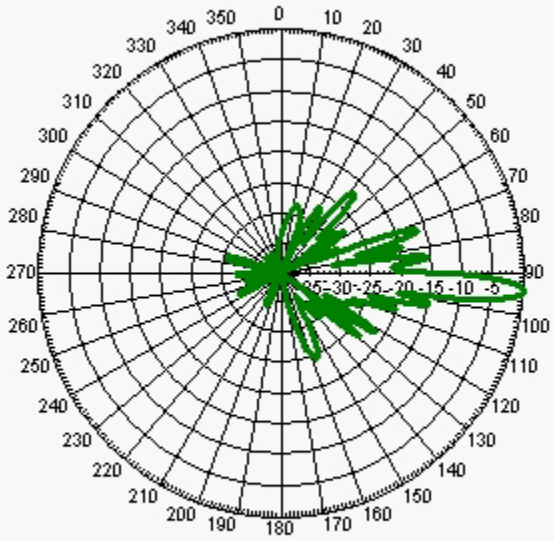
AZIMUTH PATTERN

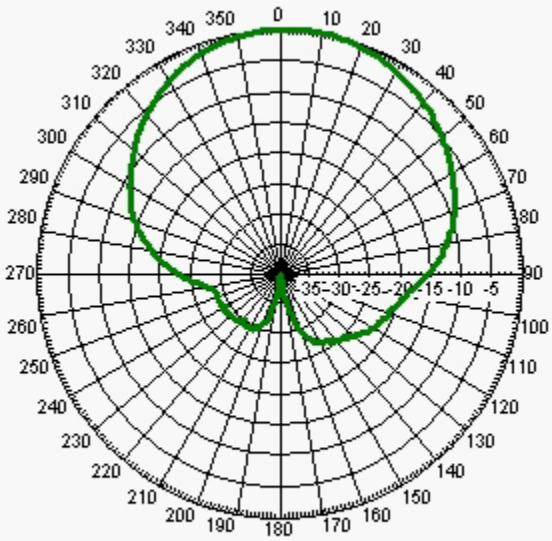


Freq: 1795 MHz, Tilt: 4

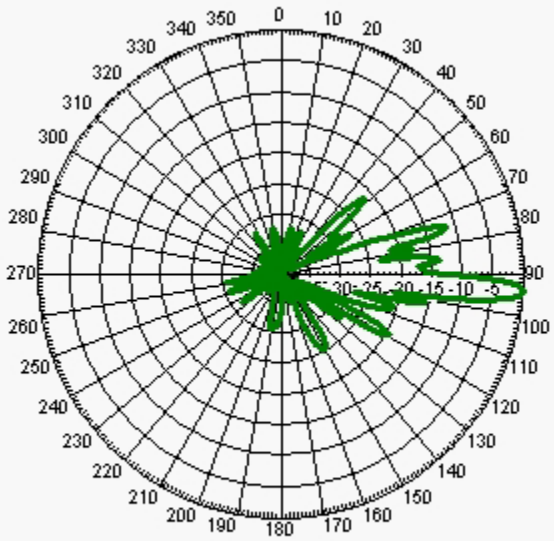
ELEVATION PATTERN



Freq: 1795 MHz, Tilt: 4



Freq: 1920 MHz, Tilt: 4



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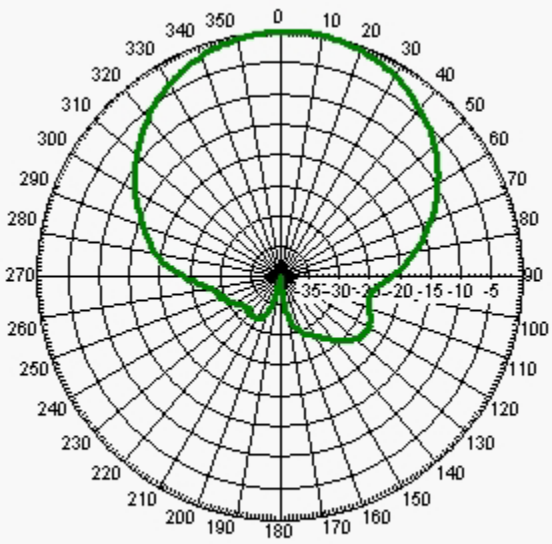

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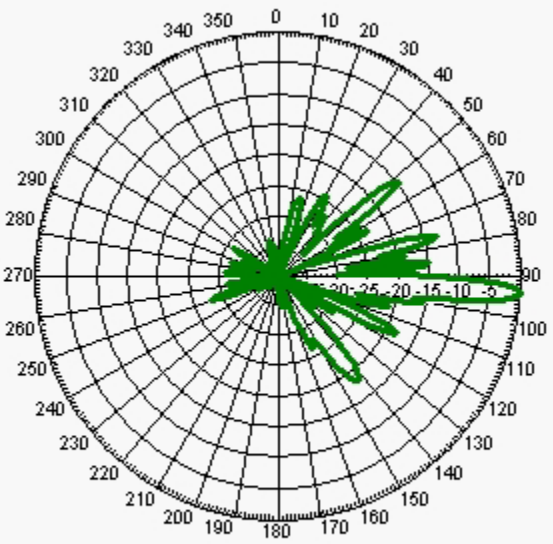

Freq: 2045 MHz, Tilt: 4

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