



UMWD-09016-4DH

DualPol® Antenna

Decibel®
Base Station Antennas

- Continuous wideband operation 1710 to 2170 MHz
- State of the art radiating elements
- Excellent upper side lobe suppression for interference reduction
- Rugged, reliable design with excellent PIM suppression

ELECTRICAL

Frequency (MHz) :	1710 - 1880	1850 - 1990	1920 - 2170
Polarization :	±45°	±45°	±45°
Gain (dBd/dBi) :	16.1/18.2	16/18.1	15.9/18
Azimuth BW (Deg.):	85	85	88
Elevation BW (Deg.):	5	4.5	4
Beam Tilt (Deg.):	4	4	4
USLS* (dB) :	16	17	18
Front-To-Back Ratio* (dB) :	34	32	32
Isolation (dB) :	>30	>30	>30
VSWR :	<1.4:1	<1.4:1	<1.4:1
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 :	7.0 kg (15.6 lb)
Dimensions (LxWxD) :	2,159 x 173 x 89 mm (85 x 6.8 x 3.5 in)
Max. Wind Area :	0.20 m ² (2.1 ft ²)
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 :	Light Gray
Standard Mounting Hardware :	602030A
WeatherShield™ Enclosure: (Must order separately)	AWE-A12





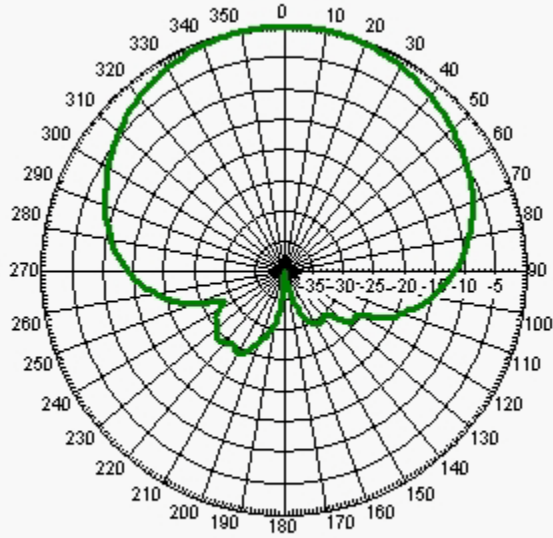
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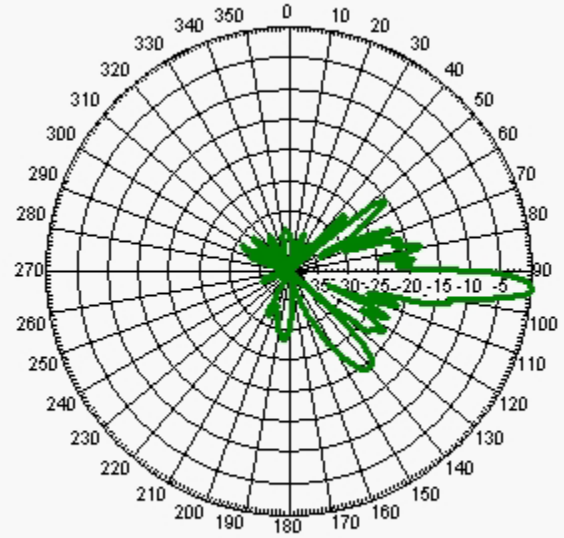
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AZIMUTH PATTERN

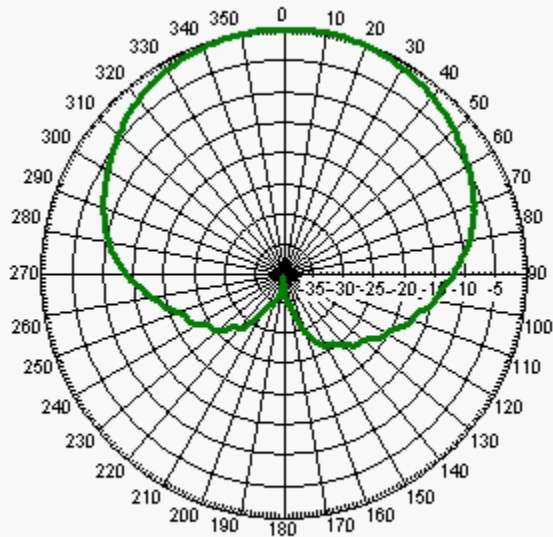
ELEVATION PATTERN



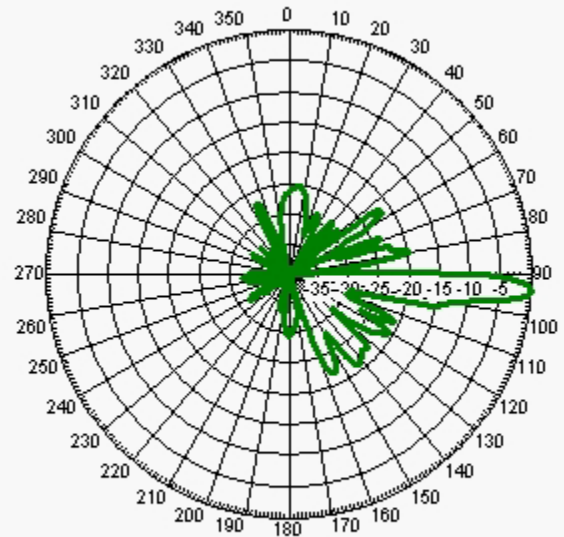
Freq: 1785 MHz, Tilt: 4



Freq: 1785 MHz, Tilt: 4



Freq: 1920 MHz, Tilt: 4



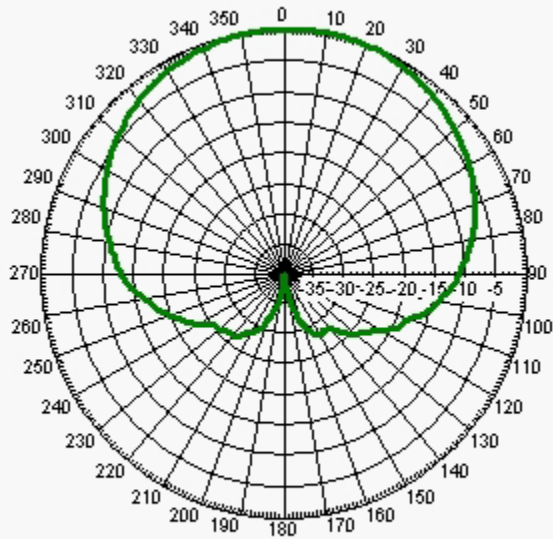
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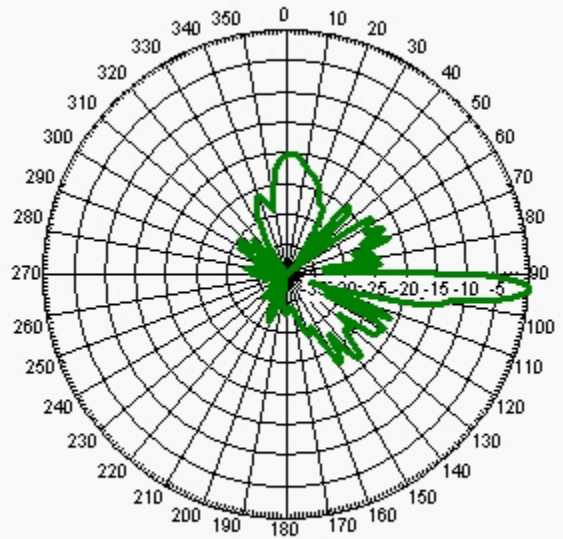
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Freq: 2110 MHz, Tilt: 4



Freq: 2110 MHz, Tilt: 4