



UMW-09015-4DH

Panel 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 :	Vertical	Vertical	Vertical
Gain (dBd/dBi) :	14.4/16.5	14.8/16.9	14.7/16.8
Azimuth BW (Deg.):	90	90	90
Elevation BW (Deg.):	7	6.5	6
Beam Tilt (Deg.):	4	4	4
USLS* (dB) :	15	16	16
Front-To-Back Ratio* (dB) :	25	27	27
VSWR :	<1.4:1	<1.4:1	<1.4:1
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 :	5.4 kg (12 lb)
Dimensions (LxWxD) :	1,473 x 173 x 89 mm (58 x 6.8 x 3.5 in)
Max. Wind Area :	0.18 m ² (1.9 ft ²)
Max. Wind Load (@ 100 mph) :	480.3 N (108 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (1, Bottom)
Color :	Off White
Standard Mounting Hardware :	602030A
WeatherShield™ Enclosure: (Must order separately)	AWE-A12





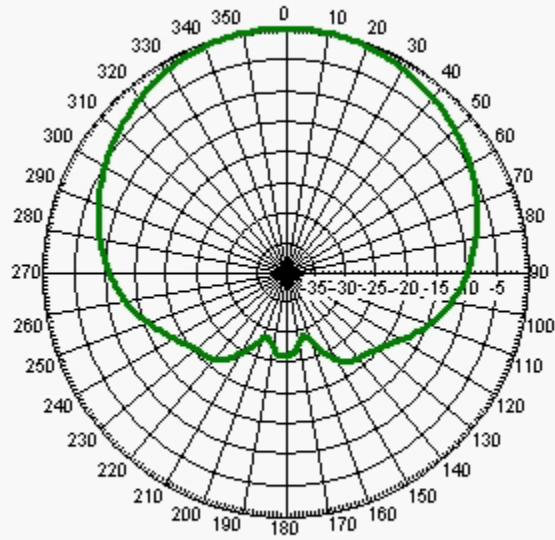
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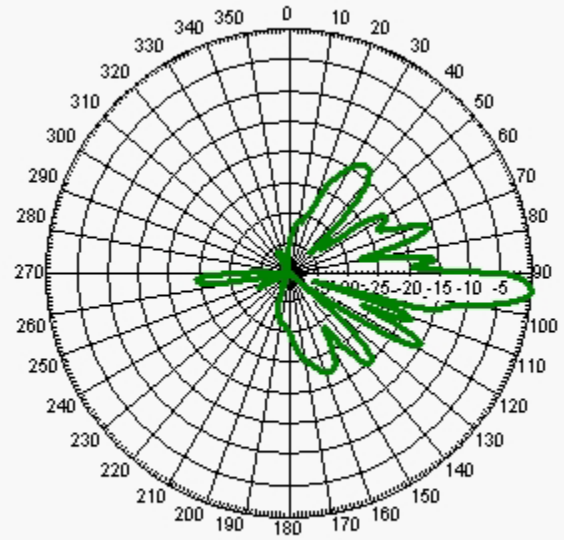
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AZIMUTH PATTERN

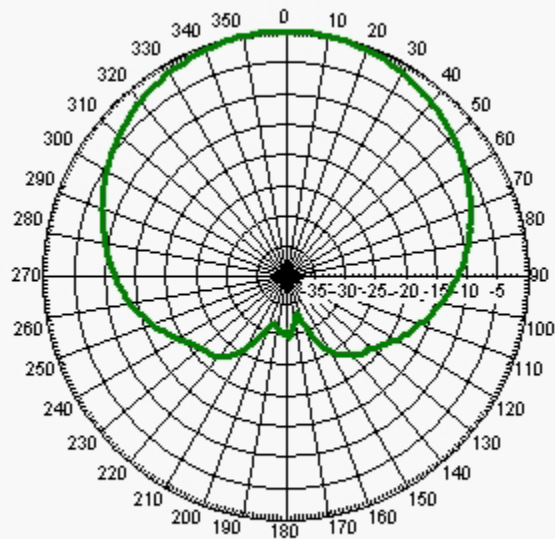
ELEVATION PATTERN



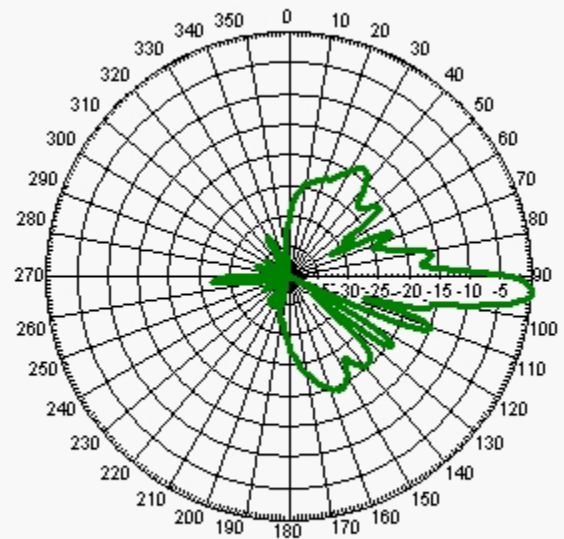
Freq: 1795 MHz, Tilt: 4



Freq: 1795 MHz, Tilt: 4



Freq: 1920 MHz, Tilt: 4



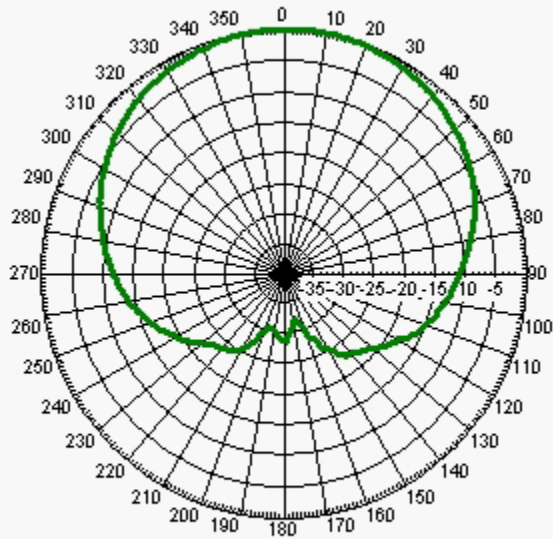
Freq: 1920 MHz, Tilt: 4



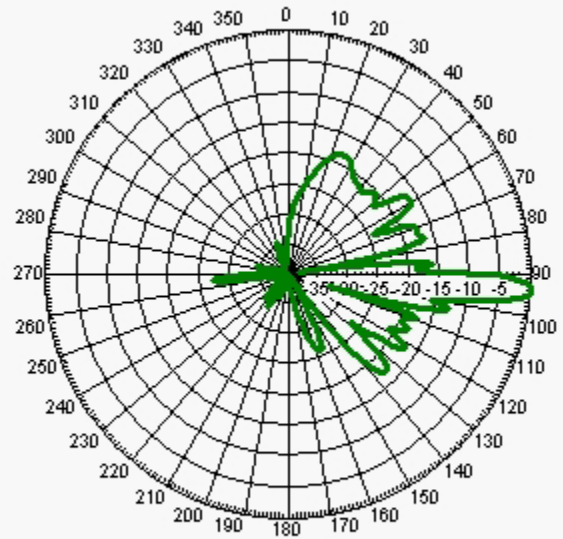
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Freq: 2040 MHz, Tilt: 4



Freq: 2040 MHz, Tilt: 4