



# UMW-06516-0DH

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

<b>Frequency (MHz) :</b>	1710 - 1880	1850 - 1990	1920 - 2170
<b>Polarization :</b>	Vertical	Vertical	Vertical
<b>Gain (dBd/dBi) :</b>	15.5/17.6	15.8/17.9	16/18.1
<b>Azimuth BW (Deg.):</b>	65	65	65
<b>Elevation BW (Deg.):</b>	7	6.5	6
<b>Beam Tilt (Deg.):</b>	0	0	0
<b>USLS* (dB) :</b>	17	17	17
<b>Front-To-Back Ratio* (dB) :</b>	28	30	28
<b>VSWR :</b>	<1.4:1	<1.4:1	<1.4:1
<b>PIM3 @ 2 x 20w (dBc) :</b>	-150	-150	-150
<b>Max. Input Power (Watts) :</b>	250	250	250
<b>Impedance (Ohms) :</b>	50	50	50
<b>Lightning Protection :</b>	DC Ground	DC Ground	DC Ground

## MECHANICAL

<b>Weight :</b>	5.4 kg (12 lb)
<b>Dimensions (LxWxD) :</b>	1,473 x 173 x 89 mm (58 x 6.8 x 3.5 in)
<b>Max. Wind Area :</b>	0.18 m <sup>2</sup> (1.9 ft <sup>2</sup> )
<b>Max. Wind Load (@ 100 mph) :</b>	480.3 N (108 lbf)
<b>Max. Wind Speed :</b>	241 km/h (150 mph)
<b>Hardware Material :</b>	Galvanized Steel
<b>Connector Type :</b>	7-16 DIN - Female (1, Bottom)
<b>Color :</b>	Off White
<b>Standard Mounting Hardware :</b>	602030A
<b>WeatherShield™ Enclosure: (Must order separately)</b>	AWE-A12





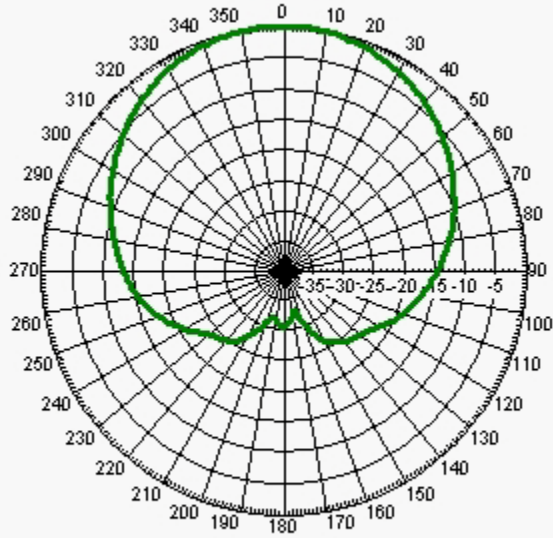
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Panel Antenna

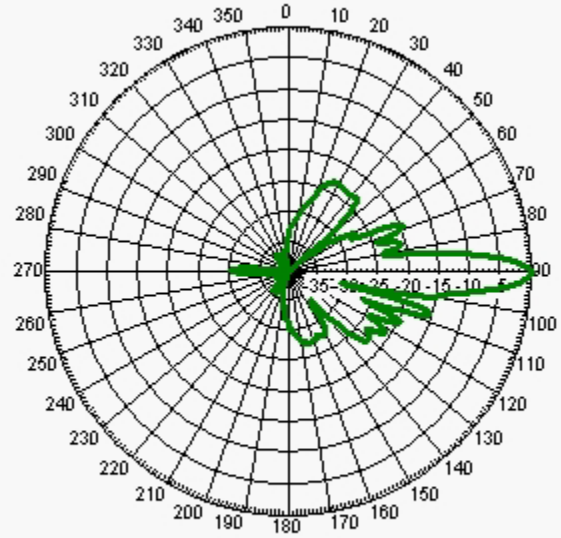
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## AZIMUTH PATTERN

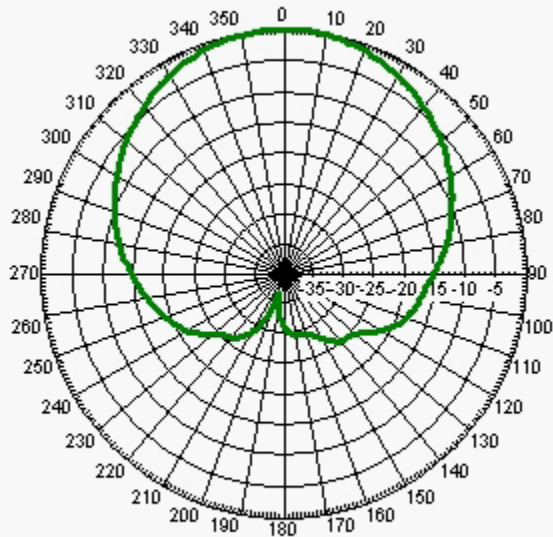
## ELEVATION PATTERN



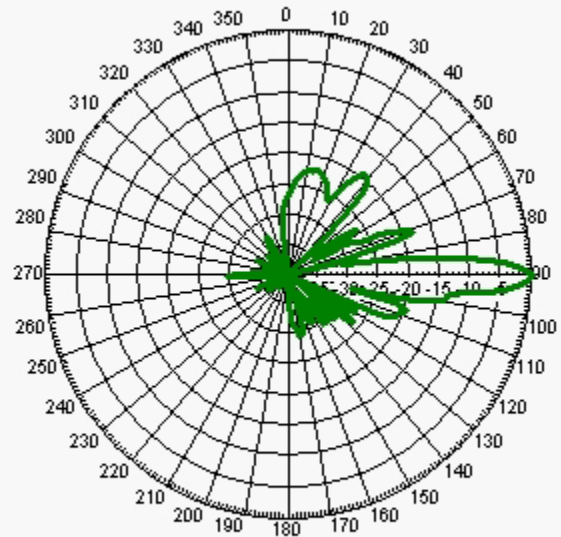
Freq: 1795 MHz, Tilt: 0



Freq: 1795 MHz, Tilt: 0



Freq: 1920 MHz, Tilt: 0



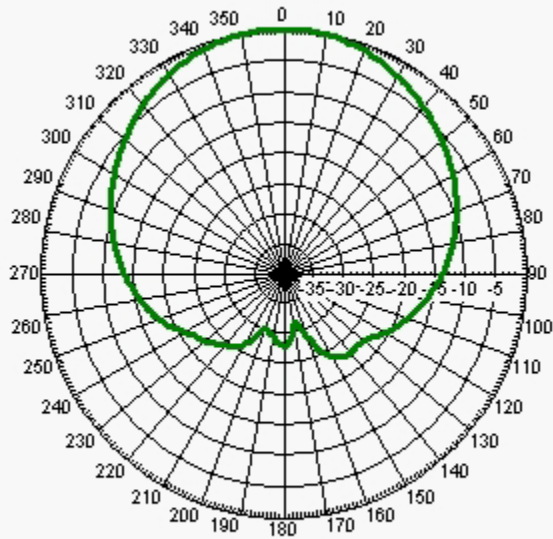
Freq: 1920 MHz, Tilt: 0



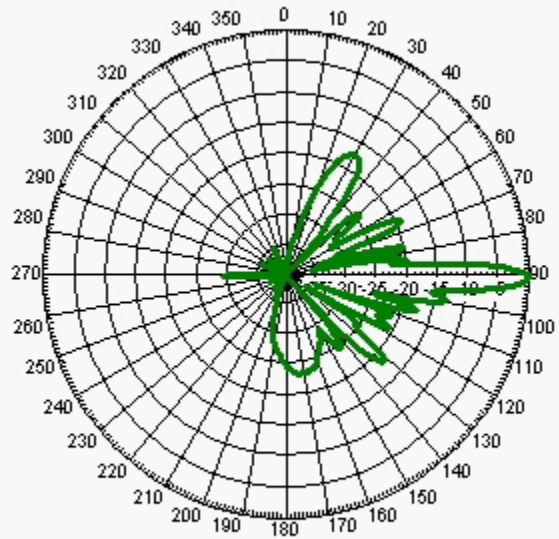
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Freq: 2040 MHz, Tilt: 0



Freq: 2040 MHz, Tilt: 0