

CLEAR-WAV™ ADVANTAGE
X-WAV™
SHOCK-WAV™
PRO-WAV™

2.4GHZ HEMISPHERICAL OMNI

The X-WAV™ Antenna family implements Clear-WAV™ Circular Polarization (CP) technology for increased signal penetration and data rates, less interference and extended wireless coverage. The circular signal pattern implemented by X-WAV antennas allows for superior penetration of obstacles such as trees, walls, and buildings. CP also overcomes issues of antenna alignment which delivers significant benefits when used in mobile applications. Other benefits include less susceptibility to multipath interference or noisy signals, while also being completely compatible for use with conventional linear (both vertical and horizontal) polarized antennas.

PRODUCT OVERVIEW

The X-WAV™ Hemispherical Omni combines circular polarization technology with a broad pattern for simplified coverage of indoor environments. Unlike traditional high-gain omni-directional antennas, which have a narrow donut-shaped pattern for covering flat outdoor locations, the hemispherical omni pattern focuses most of the signal in a broad hemispherical bubble above the antenna. When mounted in a basement, attic, or ceiling this pattern is ideal for directing signal strength where it is needed most.

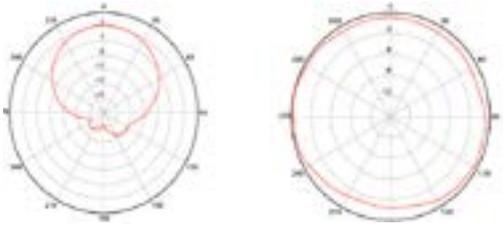
The X-WAV™ Hemispherical Omni is also useful in outdoor applications. The low profile and broad beam width make it an ideal antenna for unobtrusive installations where aesthetics dictate antenna placement and mounting. The relatively high peak gain is also useful for establishing point-to-point links with minimal aiming and antenna alignment issues relative to other antennas.

Results may vary depending on building layout, type of construction and other environmental factors including Wi-Fi traffic, Microwaves Ovens, Cordless Phones, etc.

FCC NOTICE: The use of all radio equipment is subject to regulations in each country. To comply with FCC part 15 rules in the United States, radio equipment must only be used in systems that have been FCC certified. It is the responsibility of the user/professional installer/operator to ensure that only approved equipment/systems are deployed. To ensure FCC part 15 compliance, amplifier products should only be installed in certified systems by licensed professionals.

FCC Certification Support for OEMs: Wireless offers FCC certification assistance and engineering support for qualified OEM's interested in certifying complete amplified WLAN systems. Please contact us for details.

2.4GHZ HELICAL SERIES SPECIFICATIONS

	
Part Number	Outdoor XW-240-OH7G (Grey) XW-240-OH7W (White) Indoor XW-24I-OH7G (Grey) XW-24I-OH7W (White)
Type	Hemispherical Omni
Frequency Range	2400-2485 MHz
Gain	7 dBi @ 2.437 GHz
Polarization	Right Hand Circular
Connector	N Female
Azimuth Beam Width Elevation Beam Width	75 degrees (-3dB), 145 degrees (-6 dB) 360 Degrees (+/- 1 dB)
VSWR	< 1.5:1
F/B Ratio	24 dB
Impedance	50 Ohm
Dimensions	W: 4.00" (101.6mm) L: 4.00" (101.6mm) H: 2.45" (62.23mm)
Weight	5.5 oz (124.7 Kg)
Elevation Radiation Pattern	<p>Normalized Azimuth Radiation Pattern (Note: Gain numbers are relative to peak gain at azimuth, not absolute)</p> 

PRODUCT SHIPS WITH:

- Antenna
- Quick Install Guide
- XW-240-OH7G, XW-240-OH7W, includes HDW-AM-UOD outdoor mounting bracket
- XW-24I-OH7G, XW-24I-OH7W, includes HDW-AM-ID indoor wall mount