

## CLEAR-WAV™ ADVANTAGE

X-WAV™

SHOCK-WAV™

PRO-WAV™

## 2.4 HEMISPHERICAL OMNI

Luxul's 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.



### 2.4 HEMISPHERICAL OMNI SPECIFICATIONS

Part Number	XW-24-OH7G (Grey) XW-24-OH7W (White)
Type	Hemispherical Omni
Frequency Range	2400 – 2485MHz
Gain	7 dBi @ 2.437 GHz
Polarization	Right Hand Circular
Connector	N Female
Azimuth Beam Width	75 degrees (-3 dB), 145 degrees (-6 dB)
Elevation Beam Width	360 degrees (+/- 1 dB)
VSWR	<1.5:1
F/B Ratio	24 dB
Impedance	50 Ohm
Height	2.45"
Width	4.00"
Length	4.00"
Weight	5.5 oz.

### PRODUCT SHIPS WITH:

- Antenna
- Quick Install Guide

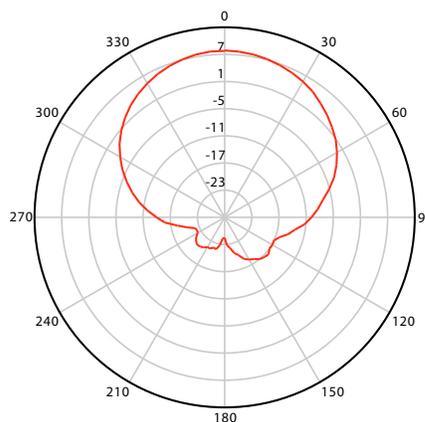
### PRODUCT OVERVIEW

The X-WAV™ Hemispherical Omni High Gain Antenna is perfect for those environments where wide dispersion and penetration of the wireless signal is required. Unlike other conventional omni antennas, the X-WAV™ Hemispherical Omni utilizes CP technology to overcome structural barriers and provide superior quality and maximum data rates.

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

**Elevation Radiation Pattern**



**Azimuth Radiation Pattern (Normalized to 0dbi.)**

