

Outdoor Radome Omni Dual-Band WiFi Antenna

Part# W5030



The W5030 Radome Omni, a Pulse/Larsen dual-band WiFi omni antenna is designed for harsh outdoor environments where WiFi connection is needed in either the 2.4 GHz or 5 GHz bands. This robust antenna provides excellent mechanical stability and UV/IP67 protection to ensure a long, reliable, maintenance-free life.

The antenna is part of a Radome Omni (RO) series of antennas offered in many different frequencies from 698 MHz to 6 GHz with varying gains and N Male and Female connector options. The W5030 and all additional RO antennas are designed for installation on a mast or wall using an FB2BRACKET or FB3BRACKET.

Features

- Frequency 2.4-2.5 / 5.15-5.875 GHz
- Omni-Direction with 3.5/6.5 dBi Gain
- UV Protected and IP67 rated
- Connector N-Male

Applications

- Access Points
- Base Stations
- Public Safety
- Repeaters
- Small Cell

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ELECTRICAL SPECIFICATIONS	
Frequency 1 (GHz)	2.4 - 2.5
Frequency 2 (GHz)	5.15 – 5.875
Nominal Impedance (Ω)	50
VSWR (Max)	2:1
Average Peak Gain 2.4 GHz (dBi)	3.5
Average Peak Gain 5X GHz (dBi)	6.5
HPWB / Horizontal Plane	Omni
HPBW / Vertical Plane 2.4 GHz ($^{\circ}$ TYP)	45
HPBW / Vertical Plane 5X GHz ($^{\circ}$ TYP)	25
Polarization	Vertical
Power Withstanding (W)	20
E.S.D. Protection	External Recommended
Connector Type	N Male

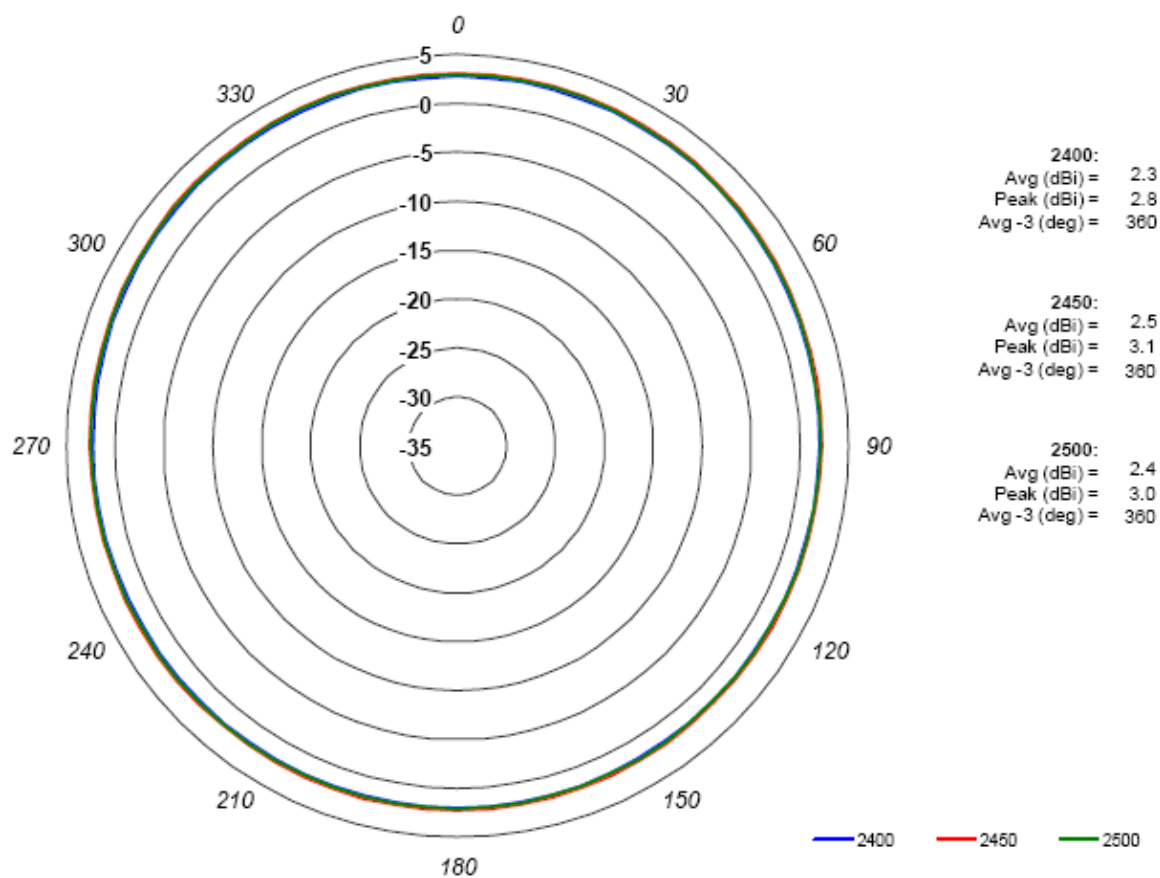
ENVIRONMENTAL SPECIFICATIONS	
Operation Temperature ($^{\circ}$ C)	-40 - +85

MECHANICAL SPECIFICATIONS	
Radome Material	Pultruded Polyester/Fiberglass – UV Protected
Color	White
Ingress Protection	IP67
Weight (grams)	166
Wind Loading (MPH)	150
Overall Length (inches)	6.81
Side Loading @ 1 Ft (Lbs)	30
Pull Off (Lbs)	100

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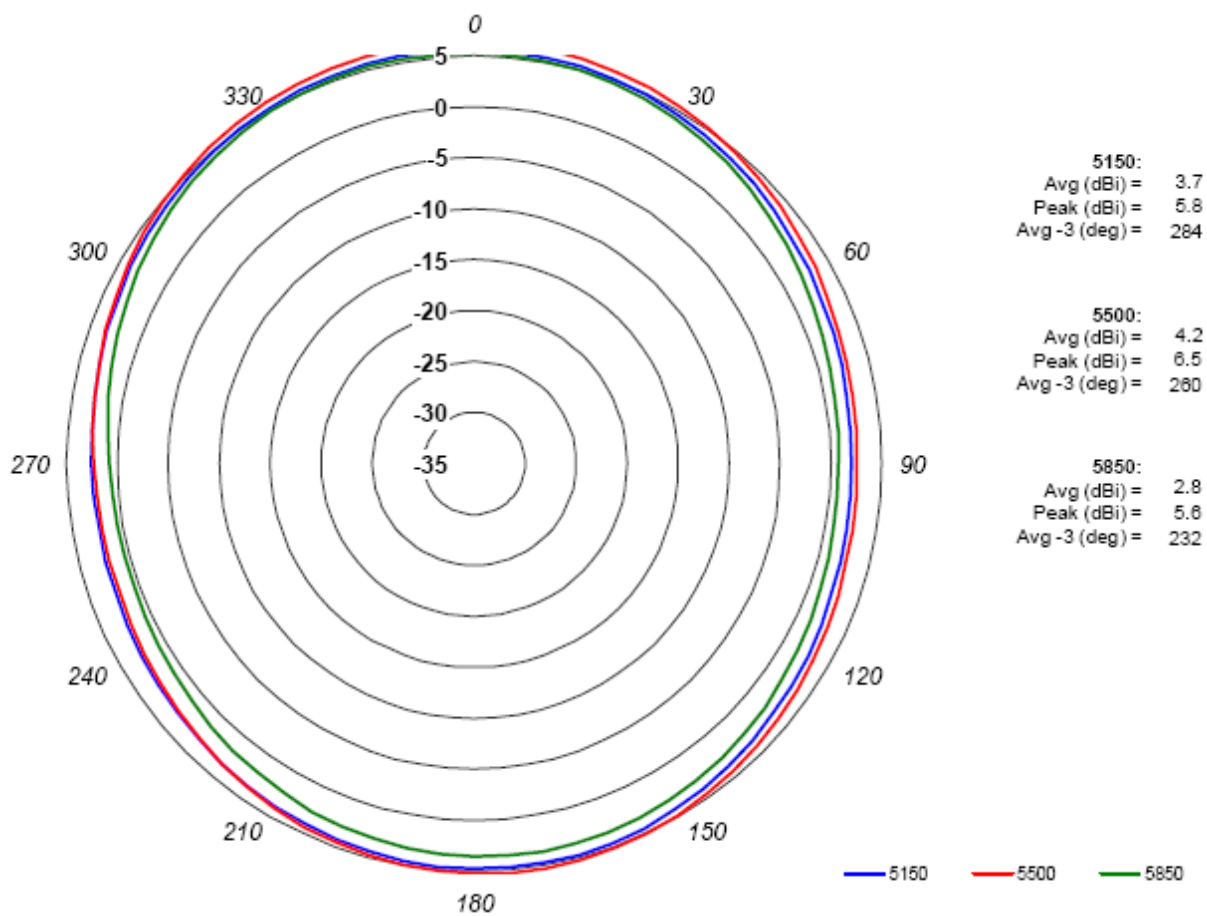
HORIZONTAL PLANE 2.4 - 2.5 GHz



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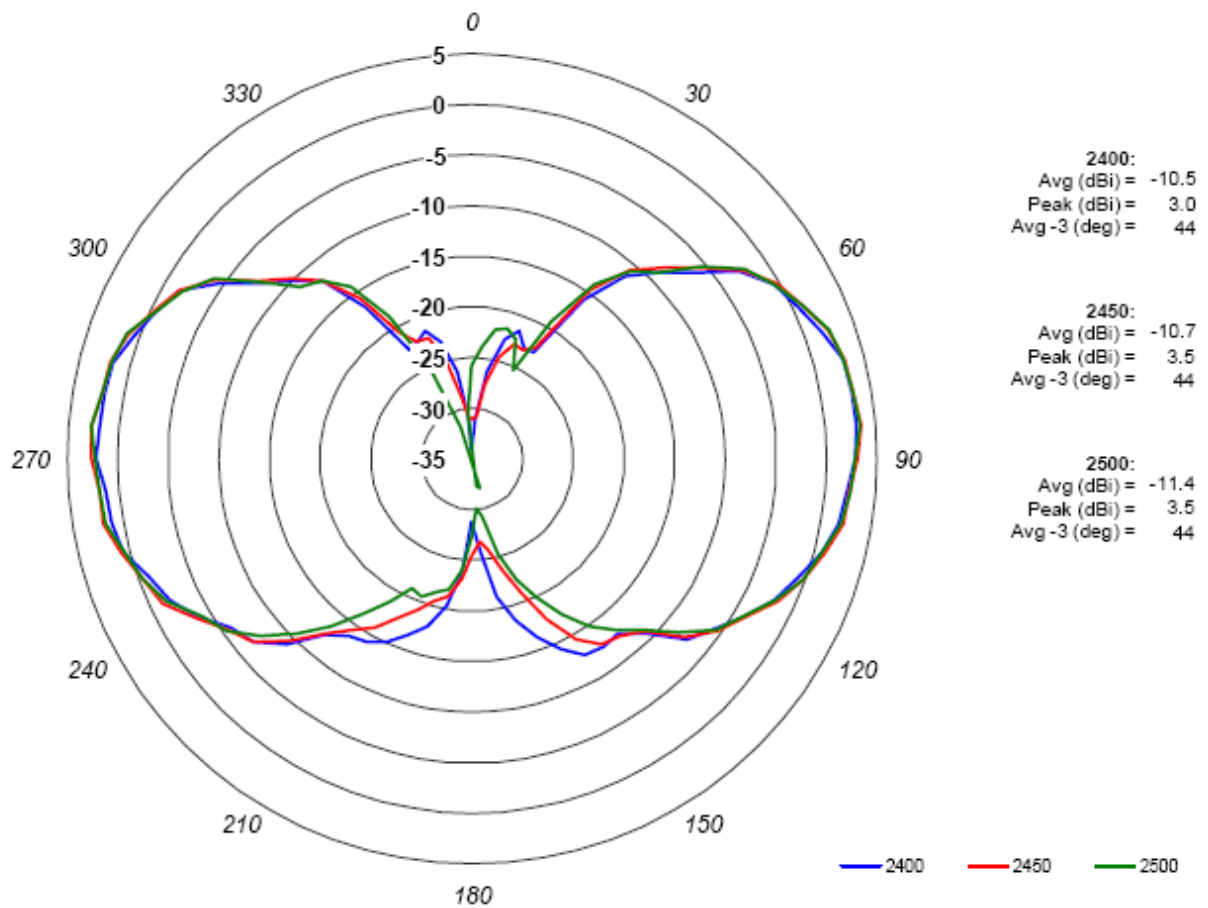
HORIZONTAL PLANE 5.15 – 5.875 GHz



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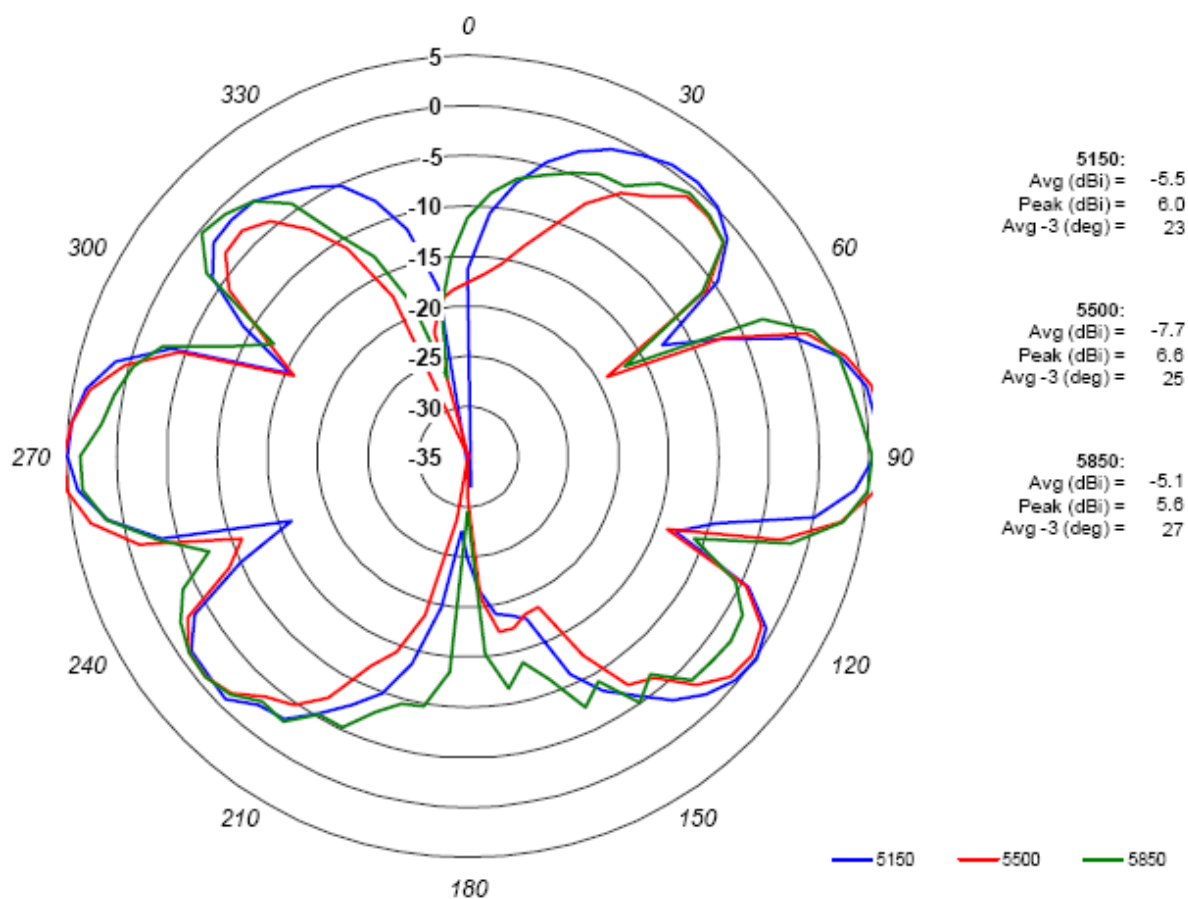
VERTICAL PLANE 2.4 – 2.5 GHz



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VERTICAL PLANE 5.15 – 5.875 GHz



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