sales@eddywireless.com

AeriaLight2™

12dB Wide Band Dual Antenna for MIMO/Diversity Devices, Modems, Hotspots

The AeriaLight2™ is a top quality, directional antenna that can be used as an direct-connect antenna for MIMO/DIversity cellular devices such as modems and mobile hotspots, direct-connect antenna for dualband/port Wi-Fi devices, and direct-connect antenna for WiMAX devices. It is meant for the outdoors and the mount type is for pole/mast. The AeriaLight2™ has a bandwidth of 700MHz to 6000MHz and a peak gain of 12.7 dB. Its nominal impedance is 2 x 50 Ohms and its connector type is 2 x N-Female. The AeriaLight2™ weights 1.4 lbs (630 g) and measures 8 x 7 x 1.5 in (20 x 17.5 x 3.75 cm). The AeriaLight2™ is a durable, high-efficiency antenna with top-notch features and performance, and it's made in the USA with high quality components and skilled craftsmanship.

Main Features

- Perfect as an direct-connect antenna for MIMO/DIversity cellular devices such as modems and mobile hotspots, direct-connect antenna for dualband/port Wi-Fi devices, and direct-connect antenna for WiMAX devices
- Very wide operational bandwidth of 700MHz to 6000MHz. Peak gain of 12.7 dB. Directional radiation type with pole/mast type mount
- Nominal impedance of 2 x 50 Ohms with vertical polarization and recommended mainly for outdoors use
- All-weather protected with wind resistance up to 145 mph (233 kmh) and operating temperature of -40°F to 185°F (-40°C to 185°C). Horizontal radiation pattern of 65°
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	**AeriaLight2™**
Part Number / SKU	AER2-MIMO-50-OHM
UPC	633643348293
Applications	Direct-connect antenna for MIMO/DIversity cellular devices such as modems and mobile hotspots, direct-connect antenna for dualband/port Wi-Fi devices, and direct-connect antenna for WiMAX devices
Environment	Outdoors
Radiation Type	Directional
Mount Type	Pole/Mast

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Connector Type	2 x N-Female
Bandwidth	700MHz to 6000MHz
Nominal Gain at 750MHz	7 dB
Nominal Gain at 800MHz	7.2 dB
Nominal Gain at 850MHz	7.5 dB
Nominal Gain at 900MHz	7.7 dB
Nominal Gain at 1700MHz	10 dB
Nominal Gain at 1800MHz	10.5 dB
Nominal Gain at 1900MHz	11 dB
Nominal Gain at 2100MHz	11.8 dB
Nominal Gain at 24000MHz	12.1 dB
Nominal Gain at 2500MHz	12.3 dB
Nominal Gain at 2600MHz	12.5 dB
Nominal Gain at 2700MHz	12.7 dB
Nominal Gain at 3500MHz	13 dB
Standing Wave Ratio (VSWR) at 750MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 850MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.4:1 typical (1.8:1 max)

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Standing Wave Ratio (VSWR) at 1700MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 24000MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.3:1 typical (1.5:1 max)
Nominal Impedance	2 x 50 Ohms
Front-Back Ratio	38 dB
Polarization	Vertical
Horizontal Beamwidth	65°
Vertical Beamwidth	48°
Maximum Continuous Applicable Power	2 x 35 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1.4 lbs (630 g)

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Dimensions (Height x Width x Depth)	8 x 7 x 1.5 in (20 x 17.5 x 3.75 cm)
Wind Rate Resistance	145 mph (233 kmh)
Lightning Protection	Optional
Radome Material	UV-Protected ABS Plastic
Operating Temperature	-40°F to 185°F (-40°C to 185°C)
Other Features	All-weather protected
Production Status	**Active**

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