

AeriaLight2-Plus™

14dB Wide Band Dual Antenna for MIMO/Diversity Devices, Modems, Hotspots

The AeriaLight2-Plus™ 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 indoors/outdoors and the mount type is for wall. The AeriaLight2-Plus™ has a bandwidth of 700MHz to 2900MHz and a peak gain of 14.4 dB. Its nominal impedance is 50 Ohms and its connector type is 2 x N-Female. The AeriaLight2-Plus™ weighs 1.8 lbs (820 g) and measures 12.5 x 7.8 x 2.7 in (31.25 x 19.5 x 6.75 cm). The AeriaLight2-Plus™ 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 2900MHz. Peak gain of 14.4 dB. Directional radiation type with wall type mount
- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for indoors/outdoors use
- All-weather protected with wind resistance up to 140 mph (225 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-Plus™
Part Number / SKU	AER2P-50-OHM
UPC	633643348286
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	Indoors/Outdoors
Radiation Type	Directional
Mount Type	Wall

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Connector Type	2 x N-Female
Bandwidth	700MHz to 2900MHz
Nominal Gain at 750MHz	12 dB
Nominal Gain at 800MHz	12.2 dB
Nominal Gain at 850MHz	12.4 dB
Nominal Gain at 900MHz	12.6 dB
Nominal Gain at 1700MHz	13 dB
Nominal Gain at 1800MHz	13.2 dB
Nominal Gain at 1900MHz	13.4 dB
Nominal Gain at 2100MHz	13.6 dB
Nominal Gain at 2400MHz	13.8 dB
Nominal Gain at 2500MHz	14 dB
Nominal Gain at 2600MHz	14.2 dB
Nominal Gain at 2700MHz	14.4 dB
Nominal Gain at 3500MHz	15 dB
Standing Wave Ratio (VSWR) at 750MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 850MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.2:1 typical (1.4:1 max)

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Standing Wave Ratio (VSWR) at 1700MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.1:1 typical (1.2:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.1:1 typical (1.2:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.1:1 typical (1.2:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.1:1 typical (1.2:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.2:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.2:1 typical (1.3:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	37 dB
Polarization	Vertical
Horizontal Beamwidth	65°
Vertical Beamwidth	48°
Maximum Continuous Applicable Power	2 x 65 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1.8 lbs (820 g)

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Dimensions
(Height x Width
x Depth) 12.5 x 7.8 x 2.7 in (31.25 x 19.5 x 6.75 cm)

Wind Rate
Resistance 140 mph (225 kmh)

Lightning
Protection DC-Shorted

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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