sales@eddywireless.com

AeriaLight-Plus™

14dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The AeriaLight-Plus™ is a top quality, directional antenna that can be used as an external antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for 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 AeriaLight-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 N-Female. The AeriaLight-Plus™ weights 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 AeriaLight-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 external antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for 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 pole/mast type mount

- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for 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 50°

- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	**AeriaLight-Plus™**
Part Number / SKU	AERP-50-OHM
UPC	633643348255
Applications	External antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for Wi-Fi devices, and direct-connect antenna for WiMAX devices
Environment	Outdoors

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Radiation Type	Directional
Mount Type	Pole/Mast
Connector Type	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 24000MHz	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)

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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)
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 24000MHz	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

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Polarization	Vertical
Horizontal Beamwidth	50°
Vertical Beamwidth	35°
Maximum Continuous Applicable Power	75 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1.8 lbs (820 g)
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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