

Aeriawide™

11dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots



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 5200MHz. Peak gain of 11.4 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).
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	AeriaWide™
Part Number / SKU	AWD-50-OHM
UPC	633643376906
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
Radiation Type	Directional
Mount Type	Pole/Mast
Connector Type	SMA-Female/N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	9 dB

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Nominal Gain at 800MHz	9.2 dB
Nominal Gain at 850MHz	9.4 dB
Nominal Gain at 900MHz	9.6 dB
Nominal Gain at 1700MHz	10 dB
Nominal Gain at 1800MHz	10.2 dB
Nominal Gain at 1900MHz	10.4 dB
Nominal Gain at 2100MHz	10.6 dB
Nominal Gain at 2400MHz	10.8 dB
Nominal Gain at 2500MHz	11 dB
Nominal Gain at 2600MHz	11.2 dB
Nominal Gain at 2700MHz	11.4 dB
Nominal Gain at 3500MHz	12 dB
Standing Wave Ratio (VSWR) at 750MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 850MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.7:1 typical (2:1 max)

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Standing Wave Ratio (VSWR) at 1800MHz	1.7:1 typical (2:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.7:1 typical (2:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.5:1 typical (1.9:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.4:1 typical (1.7:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	18 dB
Polarization	Vertical
Horizontal Beamwidth	65°
Vertical Beamwidth	50°
Maximum Continuous Applicable Power	75 W
Power Requirements	None (passive antenna)

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Net Weight (Mount Included when applicable)	1.3 lbs (590 g)
Dimensions (Height x Width x Depth)	8.2 x 19 x 8.2 in (20.5 x 47.5 x 20.5 cm)
Wind Rate Resistance	140 mph (225 kmh)
Lightning Protection	DC-Shorted
Radome Material	N/A
Operating Temperature	-40°F to 185°F (-40°C to 185°C)
Other Features	All-weather protected
Production Status	Active

AeriaWide™ Radiation Patterns and Additional Diagrams



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