

WideAnt-Lite™

15dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots



The WideAnt-Lite™ 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 WideAnt-Lite™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 16.5 dB. Its nominal impedance is 50 Ohms and its connector type is N-Female. The WideAnt-Lite™ weighs 2.1 lbs (950 g) and measures 17.5 x 8 x 3 in (43.75 x 20 x 7.5 cm). The WideAnt-Lite™ 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 5200MHz. Peak gain of 16.5 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 135 mph (218 kmh) and operating temperature of -40°F to 185°F (-40°C to 185°C). Horizontal radiation pattern of 57°
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	WideAnt-Lite™
Part Number / SKU	WDA-LITE-50-OHM
UPC	633643377163
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

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Mount Type	Pole/Mast
Connector Type	N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	11 dB
Nominal Gain at 800MHz	11.2 dB
Nominal Gain at 850MHz	11.5 dB
Nominal Gain at 900MHz	12 dB
Nominal Gain at 1700MHz	14 dB
Nominal Gain at 1800MHz	14.5 dB
Nominal Gain at 1900MHz	14.7 dB
Nominal Gain at 2100MHz	15 dB
Nominal Gain at 2400MHz	15.5 dB
Nominal Gain at 2500MHz	15.7 dB
Nominal Gain at 2600MHz	16 dB
Nominal Gain at 2700MHz	16.5 dB
Nominal Gain at 3500MHz	17 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)

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Standing Wave Ratio (VSWR) at 900MHz	1.4:1 typical (1.8:1 max)
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 2400MHz	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	50 Ohms
Front-Back Ratio	17 dB
Polarization	Vertical
Horizontal Beamwidth	57°

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Vertical Beamwidth	45°
Maximum Continuous Applicable Power	55 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	2.1 lbs (950 g)
Dimensions (Height x Width x Depth)	17.5 x 8 x 3 in (43.75 x 20 x 7.5 cm)
Wind Rate Resistance	135 mph (218 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

WideAnt-Lite™ Radiation Patterns and Additional Diagrams

Technical specifications are subject to change without notice



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