
YagiMAX™



18dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The YagiMAX™ 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 YagiMAX™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 18.4 dB. Its nominal impedance is 50 Ohms and its connector type is N-Female. The YagiMAX™ weighs 1.2 lbs (545 g) and measures 7.8 x 33.8 x 0.8 in (19.5 x 84.5 x 2 cm). The YagiMAX™ 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 18.4 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 135 mph (218 kmh) and operating temperature of -40°F to 185°F (-40°C to 185°C). Horizontal radiation pattern of 43°
 - Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included
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Data Sheet and Technical Specifications

Trademark Name	YagiMAX™
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Part Number / SKU	YGM-50-OHM
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UPC	633643377231
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18dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

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	N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	16 dB
Nominal Gain at 800MHz	16.2 dB
Nominal Gain at 850MHz	16.4 dB
Nominal Gain at 900MHz	16.6 dB
Nominal Gain at 1700MHz	17 dB
Nominal Gain at 1800MHz	17.2 dB
Nominal Gain at 1900MHz	17.4 dB
Nominal Gain at 2100MHz	17.6 dB
Nominal Gain at 2400MHz	17.8 dB
Nominal Gain at 2500MHz	18 dB
Nominal Gain at 2600MHz	18.2 dB
Nominal Gain at 2700MHz	18.4 dB
Nominal Gain at 3500MHz	19 dB

**18dB Wide Band Antenna for Amplifiers, Boosters, Repeaters,
Modems, Hotspots**

Standing Wave Ratio (VSWR) at 750MHz	1.4:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.5:1 typical (2.1:1 max)
Standing Wave Ratio (VSWR) at 850MHz	1.5:1 typical (2.1:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.5:1 typical (2.1:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.9:1 typical (2.8:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.9:1 typical (2.5:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.6:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.8:1 typical (2.2:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.4:1 typical (1.6:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.4:1 typical (1.6:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.4:1 typical (1.6:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.4:1 typical (1.6:1 max)

**18dB Wide Band Antenna for Amplifiers, Boosters, Repeaters,
Modems, Hotspots**

Standing Wave Ratio (VSWR) at 3500MHz	1.4:1 typical (1.6:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	22 dB
Polarization	Vertical
Horizontal Beamwidth	43°
Vertical Beamwidth	47°
Maximum Continuous Applicable Power	95 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1.2 lbs (545 g)
Dimensions (Height x Width x Depth)	7.8 x 33.8 x 0.8 in (19.5 x 84.5 x 2 cm)
Wind Rate Resistance	135 mph (218 kmh)
Lightning Protection	Optional
Radome Material	N/A
Operating Temperature	-40°F to 185°F (-40°C to 185°C)
Other Features	All-weather protected
Production Status	Active