

MaxWiMAX™

22dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots



The MaxWiMAX™ is a top quality, directional antenna that can be used as an internal/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 indoors/outdoors and the mount type is for window/pole/mast. The MaxWiMAX™ has a bandwidth of 1650MHz to 52000MHz and a peak gain of 22.4 dB. Its nominal impedance is 50 Ohms and its connector type is SMA-Female and N-Female. The MaxWiMAX™ weights 2.3 lbs (1040 g) and measures 12 x 12 x 0.8 in (30 x 30 x 2 cm). The MaxWiMAX™ 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 internal/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 1650MHz to 52000MHz. Peak gain of 22.4 dB. Directional radiation type with window/pole/mast 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 23°
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	MaxWiMAX™
Part Number / SKU	MWM-50-OHM
UPC	633643377057
Applications	Internal/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	Indoors/Outdoors

22dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Radiation Type	Directional
Mount Type	Window/Pole/Mast
Connector Type	SMA-Female and N-Female
Bandwidth	1650MHz to 52000MHz
Nominal Gain at 750MHz	20 dB
Nominal Gain at 800MHz	20.2 dB
Nominal Gain at 850MHz	20.4 dB
Nominal Gain at 900MHz	20.6 dB
Nominal Gain at 1700MHz	21 dB
Nominal Gain at 1800MHz	21.2 dB
Nominal Gain at 1900MHz	21.4 dB
Nominal Gain at 2100MHz	21.6 dB
Nominal Gain at 24000MHz	21.8 dB
Nominal Gain at 2500MHz	22 dB
Nominal Gain at 2600MHz	22.2 dB
Nominal Gain at 2700MHz	22.4 dB
Nominal Gain at 3500MHz	23 dB
Standing Wave Ratio (VSWR) at 750MHz	1.6:1 typical (2:1 max)
Standing Wave Ratio (VSWR) at 800MHz	2:1 typical (2.7:1 max)

22dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Standing Wave Ratio (VSWR) at 850MHz	1.9:1 typical (2.5:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.8:1 typical (2.4:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.5:1 typical (1.9:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.2:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.3:1 typical (1.7:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	38 dB

22dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Polarization	Vertical
Horizontal Beamwidth	23°
Vertical Beamwidth	28°
Maximum Continuous Applicable Power	110 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	2.3 lbs (1040 g)
Dimensions (Height x Width x Depth)	12 x 12 x 0.8 in (30 x 30 x 2 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

MaxWiMax™ Radiation Patterns and Additional Diagrams



sales@eddywireless.com