

10dBi yagi antenna



The NXA-WAP2410A 10dBi yagi antenna can be used as a bridge between two networks or for point-to-point communications. They are field adjustable for vertical or horizontal polarization with matched principal plane beamwidths for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. All models feature a robust mounting structure for consistent performance regardless of weather conditions.

- Field adjustable to allow vertical or horizontal polarity. Eliminates co-channel interference from neighboring radiators. Polarity markings molded on the antenna ensure installation in the correct orientation.
- Optional, articulating mount. Allows precise adjustment of the antenna both vertically and horizontally.
- All antennas include a robust mast mount bracket designed to withstand 125 mph wind.
- Matched principal plane beamwidths with excellent sidelobe suppression and cross-polarization rejection of more than 20 dB. Provides superior signal quality with enhanced gain performance and minimal interference from neighboring radiators.
- 23 dB front-to-back ratio permits less physical separation on the tower thus adding mounting flexibility at installation sites where space is limited.
- Attractive weather-proof radome constructed of UV resistant material. Provides robust and trouble-free use in harsh outdoor environments.



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NXA-WAP2410A (FG2255-22)

GENERAL SPECIFICATIONS:

- 2.4 GHz ISM enclosed yagi antenna series

POLARIZATION:

- Vertical or horizontal, linear (user adjustable)

NOMINAL IMPEDANCE:

- 50 Ohms

MOUNTING:

- Heavy duty yagi mounting bracket (included) permits mast mounting on masts up to 2" O.D. MYK18 adjustable wall/pipe mount allows 180° (included angle) azimuth and elevation adjustment (sold separately).

MECHANICAL SPECIFICATIONS:

WIND SURVIVAL:

- 125 mph

LATERAL THRUST AT RATED WIND:

- 5.8 lbs.

EQUIVALENT FLAT PLATE AREA:

- 0.060 ft²

CABLE:

- 3' (914.4mm) coax

LENGTH:

- 4.5" L x 3" OD
(114mm L x 76mm OD)

WEIGHT:

- 1 lbs (0.5 kg)

ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE:

- 2400-2485 MHz

NORMAL GAIN:

- 10 dBi

HORIZONTAL BEAMWIDTH:

- 55°

VERTICAL BEAMWIDTH:

- 55°

VSWR:

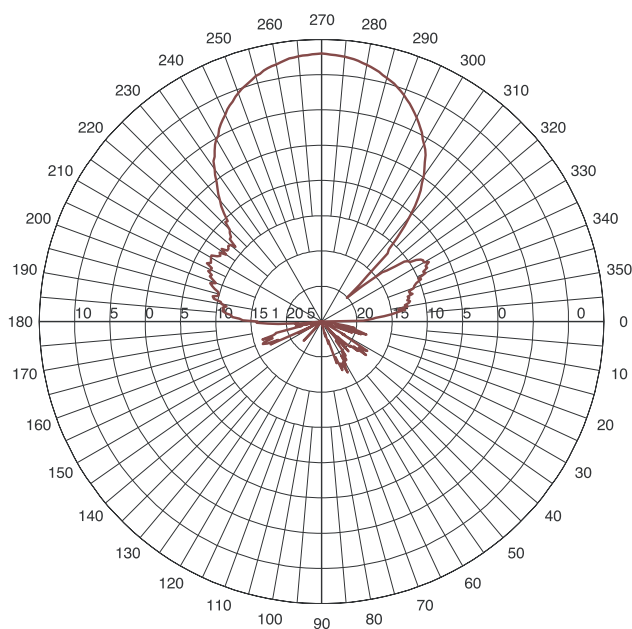
- < 1.5:1

FRONT-TO-BACK RATIO:

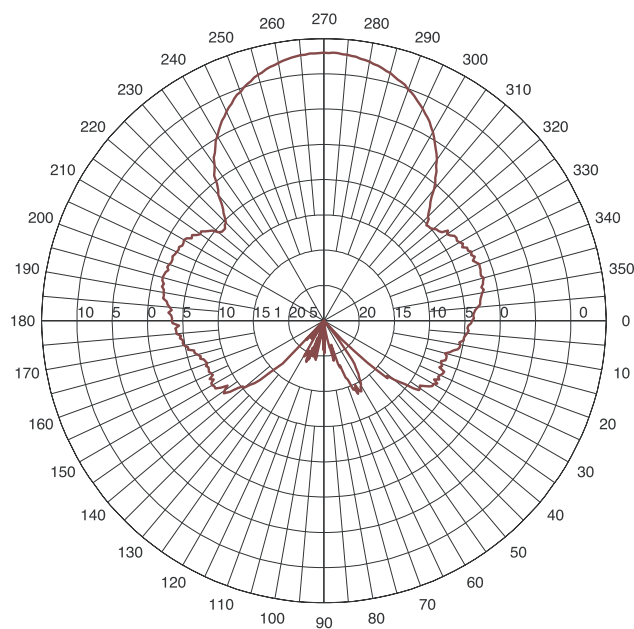
- 23 dB

MAXIMUM POWER:

- 5 Watts



NXA-WAP2410A Elevation Cut



NXA-WAP2410A Azimuth Cut



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