



NEQSX 201 Series 5dB Fiberglass Omni-Directional Antenna (201-1N)

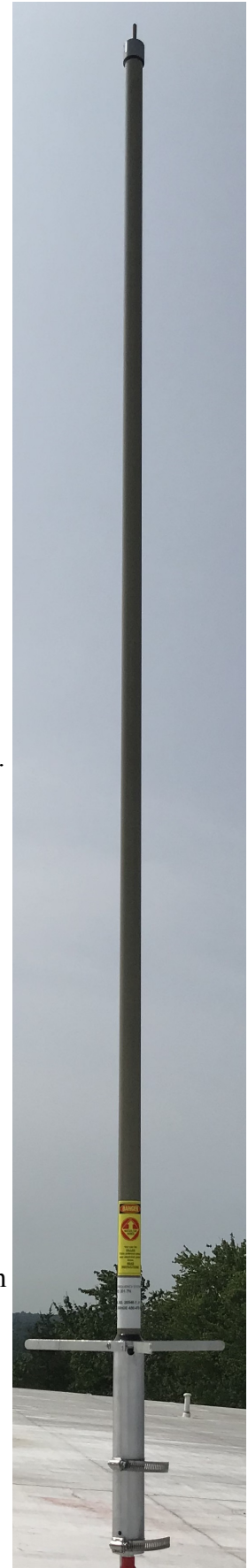
Brand: NEQS

P/N: 201-1N

- **Fiberglass Construction** protects radiating elements in corrosive environments.
- **DC grounded** affords lightning protection.
- **Copper radiating elements** minimizes possibility of intermod generation.

Description

NEQSX 201-1N is an omni-directional antenna operating within the frequency range 406-426 MHz. This fiberglass omni antenna has a 5 dB gain, 150 watt power input and has a direct N female connection. Mounting clamps 46 are included. The rugged construction of this UHF antenna ensures reliability in harsh weather conditions. This heavy-duty antenna can provide extensive coverage in rural areas. NEQSX 406-426 MHz omni antenna has broad frequency response which is suitable for duplex systems.



Electrical Specifications

Frequency Range – MHz	406-426
Gain – dBd (dBi)	5.0 (7.1)
Bandwidth – MHz for 1.5:1 VSWR	20
Impedance, Ohms	50
Vertical Beamwidth – Degrees	18
Polarization	Vertical
Maximum Power Input – Watts	150
Electrical Tilt – Degrees	0
Lightning Protection	Direct Ground
Termination – Direct Fixed	N-female

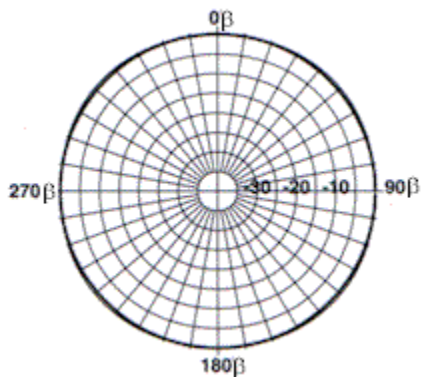
Mechanical Specifications

Overall Length – ft. (m)	8.97 (2.73)
Element Housing Length – ft. (m)	7.97 (2.43)
Support Pipe Diameter – in. (m)	1.31 (0.03)
Support Pipe Length – ft. (m)	1.0 (0.30)
Weight – lbs. (kg)	4.0 (1.81)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	Aluminum Alloy
Max Wind Loading Area (Flat Plate Equivalent) – ft ² (m ²)	.41 (.038)
Rated Wind Speed – mph (km/hr)	100 (161)
Bending Moment @ Rated Wind 1” Below Top of Support Pipe ft lbf (N m)	75 (101)
Side Thrust @ Rated Wind – lbf (N)	16 (73)
Mounting Hardware – Supplied	PD46

Shipping Specifications

Shipping Weight – lbs. (Kg)	24.0 (10.9)
Shipping Dimensions of Antenna - WxDxH – ft (m)	11.8 x .33 x .33 (3.6 x .1 x .1)

Horizontal Pattern



Vertical Pattern

