NEQS Broadband Yagi
10dB Directional Yagi Antenna (10108-2)

Brand: NEQS P/N: 10108-2

- **6061-T6 Aluminum elements**
  Welded solid rod for high strength, low weight and corrosion resistance.
- **Broadband**
  Duplex operation for cellular and trunking applications.
- **Weatherproof radome**
  Protects elements against severe weather conditions.

Description

The 10108 Broadband Yagi is specifically designed for control station operation. This antenna is ruggedly constructed of 6061-T6 aluminum rod and pipe. Director and reflector elements are precision welded to their main boom, effectively eliminating misalignment problems during shipping, installation or service. Radiating elements are enclosed in a molded ABS radome to protect against severe environmental conditions and minimize pattern distortion due to ice buildup. The mounting hardware supplied facilitates mounting on either vertical or horizontal members. The small surface area of the 10108 antenna minimizes wind resistance and conserves tower loading capacity.

Electrical Specifications

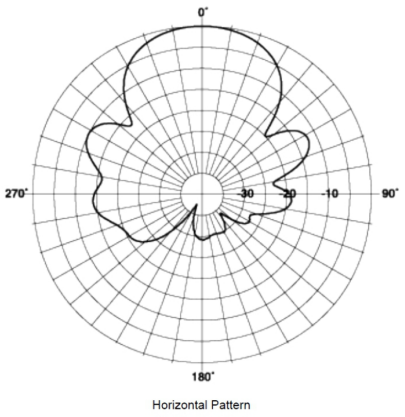
Frequency Range – MHz	880-960
Gain – dBd (dBi)	10 (12.1)
Bandwidth – MHz for 1.5:1 VSWR	80+
Horizontal Beamwidth – Degrees	50
Vertical Beamwidth – Degrees	42
Polarization	Vertical
Front to Back Ratio – dB	20
Maximum Power Input – Watts	150
Lightning Protection	Direct Ground
Termination – Direct Fixed	N-female

Mechanical Specifications

Dimensions – WxDxH – in (mm)	33 x 8 x 4 (838 x 203 x 102)
Weight – lbs. (kg)	5.0 (2.27)
Element Material	6061-T6 Aluminum
Max Wind Loading Area (Flat Plate Equivalent) – ft2 (m2)	.18 (.017)
Rated Wind Speed – mph (km/hr)	150 (242)
Torsional Moment @ Rated Wind on Support Pipe ft lbf (N m)	9.3 (12.6)
Side Thrust @ Rated Wind – lbf (N)	7.2 (32)
Mounting Hardware – Supplied	Integral Plate w/U-bolts

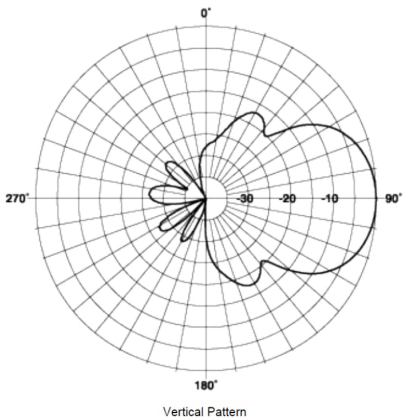
Shipping Specifications

Shipping Weight – lbs. (Kg)	5 (2.3)
Shipping Dimensions of Antenna - WxDxH – ft (m)	36 x 8 x 8 (914 x 203 x 203)



Horizontal Pattern

Horizontal Pattern



Vertical Pattern

Vertical Pattern