

MODEL YA-1 – YAGI ANTENNA
MODEL OM-1 – OMNI ANTENNA



YAGI OVERVIEW

The Yagi Antenna is a highly directional antenna used to provide long distance reception and re-transmission of signals to outlying facilities. Range varies depending upon the installation characteristics. CWSI field testing has found the Yagi antenna is best suited for unobstructed line of sight reception and transmission. The Yagi Antenna is not recommended for dense, clustered applications.



OMNI OVERVIEW

The Omni antenna is an omni-directional antenna used for bi-directional reception and re-transmission of signals equally, in all directions. Range varies depending upon the installation characteristics. CWSI field testing has found that the Omni antennas are best suited for dense applications where line of site is obstructed.

CWSI requires an on-site RF survey to determine the proper signal path for every installation.



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NY Fire Department Approved

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YAGI SPECIFICATIONS

- Frequency Range: 900 to 930 MHz
- Gain: 15.2 dB Typical
- Beamwidth: E=30° H=32°
- Feed Type: Folded Dipole
- Feed Impedance: 50 Ohms Unbalanced
- VSWR: 1.2:1 Typical
- Input Connector: "N" Female
- Polarity: VERT
- Power Handling: 500 Watts
- Boom Length/Dia: 43-1/2" / 1"
- Mast Size: 1-1/4" to 2"
- Wind Area / Survival: 0.4 Sq. Ft. / 100MPH
- Weight / Ship Weight: 4 Lbs. / 5 Lbs.

OMNI SPECIFICATIONS

- Frequency Range: 902-928 MHz
- Impedance: 50Ω nominal
- VSWR: ≤ 2.0:1
- Gain: 2.5 dBi
- Radiation: Omni
- Polarization: Vertical
- Wave: ½ wave loaded
- Connector: SMA Plug
- **Material:**
 - Whip: Wire (black)
 - Base: Polyacetal (black)
 - Connector: Brass with nickel plating (black)
- Operation Temp: -20° to +65°C
- Storage Temp: -30° to +75°C

