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# CA-1177 AS-3226A/URC HIGH-POWER OMNIDIRECTIONAL DIPOLE

The Model CA-1177 is a base-mounted, broadband, dipole antenna that provides vertically polarized, omnidirectional coverage over the 30-88-megahertz frequency band for power levels to 800 watts. It is a rugged, lightweight unit sealed within an epoxy fiberglass radome for prolonged use in a marine shipboard environment.

The elevation pattern of the antenna is a figure-eight with maximum signal intensity along the horizon and a half-power beam width of 80 degrees. The inherent balanced dipole design and broadband impedance characteristics make the performance of this antenna relatively insensitive to its mounting environment.

The radio frequency (RF) input connector is a type N receptacle recessed in the base. The input voltage standing wave ratio (VSWR) on 50 ohms is less than 3.5:1 over the operating band. CA-1177 is designed to meet MIL-S-901C for grade A shock, MIL-STD-167, type I vibration and all service conditions of MIL-E-16400F for Class 2 equipment.

ELECTRICAL	
Frequency range	30-88 MHz
VSWR	3.5:1 max
Gain	0 dBi horizon
Impedance	50 ohms
Polarization	Vertical
Azimuth coverage	Omnidirectional
Zenith coverage	Figure-eight dipole pattern with maximum at horizon
Half-power beam width	80°
Power handling	800 W
MECHANICAL	
Connector	Type N receptacle
Weight	38 lbs



## KEY FEATURES

- > Rugged and lightweight design
- > Can handle power levels up to 800 watts
- > Ideal for use in marine shipboard type applications
- > Meets MIL-STD-167 for vibration and MIL-S-901C for shock

**For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)**

### CA-1177 AS-3226A/URC High Power Omnidirectional Dipole

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Nonexport-controlled Information

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