



The TA-1030 is a medium gain, vertically polarized directional panel antenna. The antenna consists of a dipole array enclosed in an aluminum base with an ASA UV stabilized radome for superior performance and weatherability. The antenna is at DC ground to aid in lightning protection.

### Electrical Specifications

**Frequency Range:** 1030-1090 MHz  
**Gain:** 12.5 +/- 0.5 dBi  
**VSWR:** 1.5:1 max.  
**Front to Back Ratio:** 24 dB min.  
**Polarization:** Vertical  
**Power Rating:** 390 Watts  
**H-Plane Beamwidth:** 37 degrees  
**E-Plane Beamwidth:** 40 degrees  
**Cross Pol. Discrimination:** 19 dB min.  
**Impedance:** 50 ohms nominal  
**Termination:** N female

Typical mid band values. (For details , contact factory)

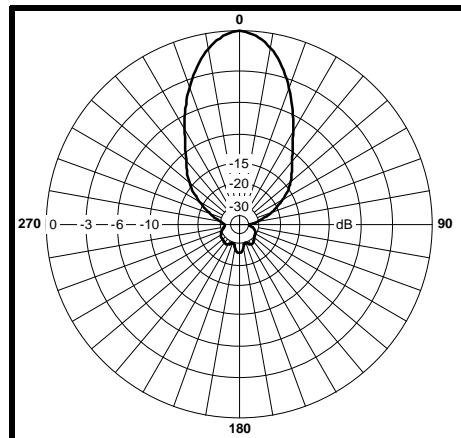
### Mechanical Specifications

**Length:** 18 in. (457 mm)  
**Width:** 23 in. (584 mm)  
**Depth:** 7 in. (178 mm)  
**Weight (incl. Clamps):** 15 lb. (6.8 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 187 lb. (84.8 kg)  
**Mechanical Tilt:** 0 degrees fixed  
**Mounting (O.D.):** 1.88 to 3.0 in. (47.6 - 76 mm)

### Materials

**Radiating Elements:** Aluminum  
**Reflector:** Irridited aluminum  
**Radome:** Gray UV stabilized ASA  
**Clamps:** HDG and EDZ steel

H-Plane



E-Plane

