



The TA-5705H-14-90 is a horizontally polarized 90 degree sectoral antenna. The antenna consists of a printed dipole array enclosed in an aluminum base with a UV stabilized radome for superior weatherability. The antenna is at DC ground to aid in lightning protection.

### Electrical Specifications

**Frequency Range:** 5725-5875 MHz  
**Gain:** 16.5 dBi min.  
**VSWR:** 1.5:1  
**Front to Back Ratio:** 25 dB min.  
**Polarization:** Horizontal  
**Power Rating:** 5 Watts  
**H-Plane Beamwidth:** 5 degrees  
**E-Plane Beamwidth:** 90 degrees  
**Cross Pol. Discrimination:** 20 dB min.  
**Impedance:** 50 ohms nominal  
**Termination:** N female

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

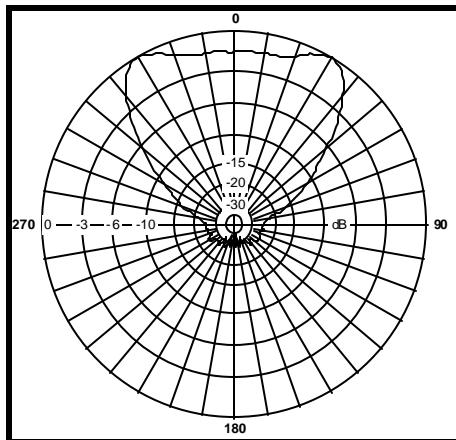
### Mechanical Specifications

**Length:** 24.5 in. (622 mm)  
**Width:** 9.0 in. (229 mm)  
**Depth:** 2.25 in. (57mm)  
**Weight (incl. Clamps):** 6 lb. (2.72 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 96 lb. (43.5 kg)  
**Mechanical Tilt:** 0+/-16 degrees  
**Mounting (OD):** 0.75 - 2.0 in. (19 - 51 mm)

### Materials

**Radiating Elements** Plated Copper on PCB  
**Reflector**: Iridized aluminum  
**Radome**: Gray UV stabilized ASA  
**Clamps**: Aluminum and stainless steel

E-Plane



H-Plane

