

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply planar 920 MHz antennas in accordance with the requirements hereinafter specified.

E2.2 Technical Data

(a) Electrical Properties

- (i) Frequency range 870 - 960 MHz
- (ii) Impedance 50 ohms
- (iii) VSWR 1.5
- (iv) Polarization linear, vertical
- (v) Gain 9.5 dBi
- (vi) 3 dB beamwidth horizontal 65°
- (vii) 3 dB beamwidth vertical 55°
- (viii) Downtilt 0°
- (ix) Front to back ratio 20 dB
- (x) Max. power 300 W (CW) at 25°C

(b) Mechanical Properties

- (i) Maximum Dimensions 333 x 295 x 47 mm (13.11" x 11.61" x 1.85")
- (ii) Maximum Weight 1.1 kg (2.42 lbs.)
- (iii) Housing material Aluminium anodized
- (iv) Radome material ASA
- (v) Radome color RAL 7035 (light-grey)
- (vi) Operating temperature range - 40°C to + 80°C
- (vii) Storage temperature range - 40°C to + 80°C
- (viii) Maximum Windload 137 N at 160km/h (100mph)

(c) Included Mounting Hardware

- (i) Wall and mast mounting material (2 metal bands) included, suitable for mast diameter range of 54-100 mm (2.13" – 3.94")

E3. DELIVERY

E3.1 Goods shall be delivered F.O.B. destination; freight prepaid within thirty (30) Business Days of the placing of an order, except where otherwise agreed at the time of ordering.

E3.2 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.