DATA RADIO BASE STATION ANTENNA
SINGLE ANTENNA SPECIFICATIONS

NOTE:
1. 0.45 REFERENCE ON SINGLE ANTENNA PATTERN CORRESPONDS TO 1.2DB S/GAIN
2. 0.8 REFERENCE ON PHASED ARRAY PATTERN CORRESPONDS TO 12DB S/GAIN
3. ANTENNA POINTING ANGLES ARE WITH RESPECT TO TRUE NORTH

Manufacturer
MPN, Part Number
999-960 MHz
VHF/UV
Repeater
Antenna

**Antenna Type**

**DESCRIPTION**

12 ELEMENT VAG
90° BEAM TILT, -5°

**ELECTRICAL SPECIFICATIONS**

- **General Frequency (MHz)**: 960-999
- **Power Input (watts)**: 100 W

**MECHANICAL SPECIFICATIONS**

- **Size (inches)**: 12
- **Width (inches)**: 2
- **Height (inches)**: 2

**NOTICE**

- FOR REFERENCE ONLY

**DATA RADIO BASE STATION ANTENNA**

**SINGLE ANTENNA SPECIFICATIONS**

- **Gain**: 0.45 dB
- **Antenna Pointing Angles**: With respect to true north

**DESIGN OF CALTRAN DATA RADIO ANTENNA BEAMWIDTH**

**VERTICAL PLANE**

**NOTE**

- The 54° angle represents the vertical beam width

**SINGLE ANTENNA: VERTICALLY POLARIZED**

**12 ELEMENT VAG**

**NEW POINTING ANGLES**: 10° BEAM TILT, -5°

**1/4 COAX CABLE TO DATA RADIO FRONT END**

**3 ANTENNA PHASED ARRAY: VERTICALLY POLARIZED**

**DESIGN OF CALTRAN DATA RADIO ANTENNA BEAMWIDTH**

**VERTICAL PLANE**

**NOTE**

- The 54° angle represents the vertical beam width

**SINGLE ANTENNA: VERTICALLY POLARIZED**

**12 ELEMENT VAG**

**NEW POINTING ANGLES**: 10° BEAM TILT, -5°

**1/4 COAX CABLE TO DATA RADIO FRONT END**