



JAMMING ANTENNAS

ARA-5800

The ARA-5800 is a multi-band antenna designed to operate from 20 MHz to 3.0 GHz. The antenna exhibits exceptional gain throughout each band in an omni-directional pattern. Each band can be operated independently and simultaneously. This antenna also offers low VSWR throughout the bands. The antenna is sealed inside a water-resistant dielectric radome to offer isolation from the environment. It can be mounted onto a base with two heavy duty springs to minimize the effects of high-velocity impact. The ARA-5800 interface is the standard U.S. 4-bolt pattern and Type-N connectors. This antenna employs ARA's unique feeder line routing and compensation technique which eliminates undesirable band to band interference.

Height:52 in. / 132 cm plus base
Diameter:4 in. / 10.2 cm plus base
Weight:15 lbs / 7 kgs
Operating Temperature:-40°C to 65°C
Operating Altitude:0 to 15000 feet
Impact Survivability: 25 strikes at center of ARA-5800 with 12 cm x 12 cm oak beam at 40 kph

Military Specifications

Vibration:Meets MIL-STD-810, Method 514.5, Category 4 and Category 23
Functional Shock: Meets MIL-STD-810, Method 516.5, Procedure 1
Rain and Blowing Rain: Meets MIL-STD-810, Method 506.4, Procedure 1
Salt Fog: Meets MIL-STD-810, Method 509.4
Humidity: Meets MIL-STD-810, Method 507.4

Low Band Specifications

Frequency (MHz):20 - 250
VSWR: < 3.0:1 on 95% of band
VSWR(max): 4:1
Gain(nominal): -12 to 0 dBi
Maximum Power: 150 Watts
Input Impedance: 50 Ω
Port: J1

Mid Band Specifications

Frequency (MHz):250 - 1000
VSWR: < 2.5:1 on 80% of band
VSWR (max): 4.5:1
Gain(nominal): -4 to+2 dBi
Maximum Power: 150 Watts
Input Impedance: 50 Ω
Port: J2

High Band Specifications

Frequency (MHz):1000 - 3000
VSWR: < 2.0 :1 on 80% of band
VSWR (max): 2.5:1
Gain(nominal): -2 to 2 dBi
Maximum Power: 150 Watts
Input Impedance: 50 Ω
Port: J3

