

ANTENNA DESIGN & MANUFACTURING CORPORATION

10630-M Riggs Hill Road, Jessup, MD 20794

Phone: (301) 498-1140 Fax: (301) 604-6585

E-Mail: info@antennadesignmfg.com

Cage Code: OJUG8

Antenna Design & Manufacturing Corporation is a woman owned small disadvantaged business founded in 1988. We specialize in all communication antennas used in the missions of the US military. ADM also gladly designs and manufactures custom antennas. Our engineers work directly with our clients to design antennas and radomes that meet special needs and have unique features, specifications, or requirements. Any antenna can be customized.

Our technical staff includes degree experts, advanced degree consultants with many years of experience in antenna design, as well as a team of design and mechanical engineers. Our unmatched customer service and quality of products has made us the sole source to many government agencies. ADM is proud to offer extremely competitive prices for our antennas without sacrificing the use of highest grade materials, exceptional electrical performance, and product longevity.

1) VHF/UHF SATCOM ANTENNAS

- **MINI SATCOM ANTENNA™, ADM-C17A**

Frequency: 244 – 318 MHz.

Extremely lightweight, small, portable high performance tactical antenna; available with handle
Strong and rugged, designed for use in hostile environments



- Or MINI SATCOM ANTENNA, ADM-C17EX (with extension for additional gain & built-in handle)



- SATCOM MANPACK YAGI ANTENNA, ADM-C8A

Frequency: 240 – 400 MHz

Lightweight, easily assembled/disassembled and transported in hostile environments



- SATCOM YAGI ANTENNA, ADM-C2A

Frequency: 240-318 MHz



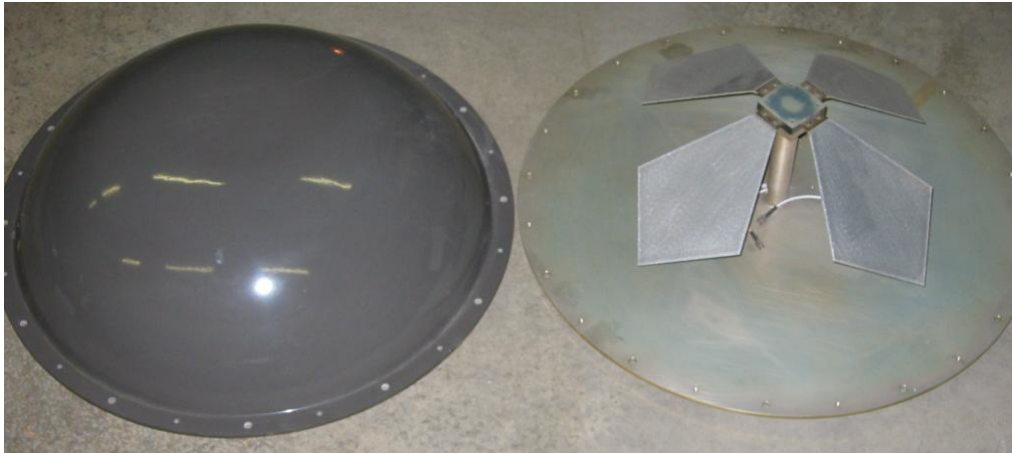
- **SATCOM/LOS ON-THE-MOVE ANTENNA, ADM-C7**
Frequency: 225 – 400 MHz
Lightweight X-Wing, Dual Band Satcom/LOS antennas (low and high angle band)
Magnetic Base for vehicle use



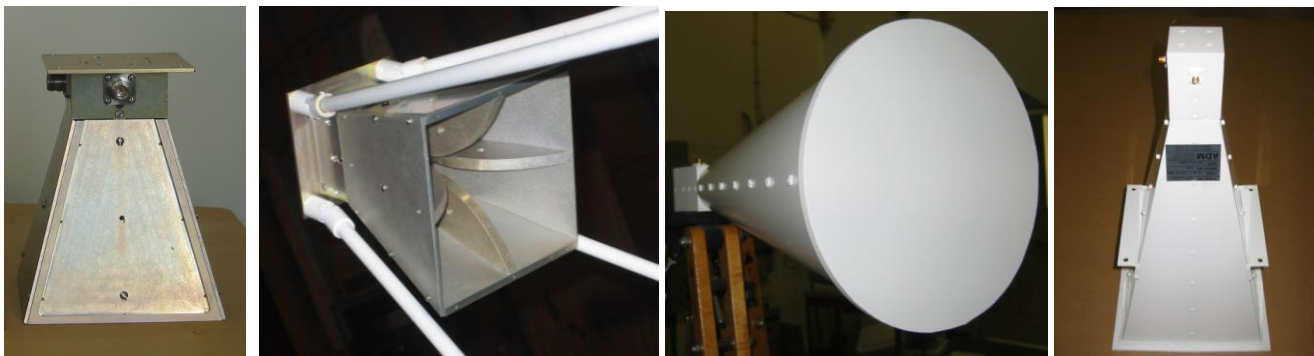
- **QUAD-POLE “EGG BEATER” SATCOM ANTENNA. ADM-C17Q**
Frequency: 244-320 MHz
Magnetic Base for vehicle use



- **HATCH-MOUNT SATCOM ANTENNA, ADM-C25HM**
Frequency: 225 – 400 MHz
Low-profile, Vehicle Mountable



2) **HORN ANTENNAS:** Linear, Dual, & Circular Polarization –All Frequencies



BROADBAND MODELS

LINEAR Polarization

- DRH-118A
1 – 18 GHz
- DRH-218A
2 – 18 GHz

DUAL Polarization

- DPH-118A
1 – 18 GHz
- DPH-218A
2 – 18 GHz

CIRCULAR Polarization

- CPH-118A
Conical Horn Antenna
1 – 18 GHz
- CPH-218A
Conical Horn Antenna
2 – 18 GHz

DOUBLE RIDGE HORN MODELS

- DRH-112A
1 – 12 GHz
- DRH-25A
Center Frequency = 2.5 GHz
Bandwidth = 1 GHz
- DRH-48A
High Gain C-Band Horn Antenna
4 – 8 GHz
- DRH-718A
700 MHz – 18 GHz
- DRH-818A
800 MHz – 18 GHz



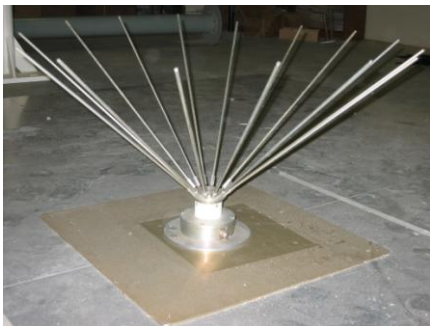
3) SURVEILLANCE ANTENNAS

Broadband Surveillance Antenna System

- BSAS-1K1G
1 KHz – 1 GHz

Passive Conical Monopole Antennas (Available Up to 40 GHz)

- PCM-213/A
Frequency: 20 - 1300 MHz
Radome version or portable hard-case version



- PCM-440/A
Frequency: 4 – 40 GHz



4-inch diameter

- PCM-118/A
Frequency: 1 - 18.0 GHz



Passive Bi-Conical Antenna

- PBC-118/A
Frequency: 1 - 18 GHz
Vehicle mountable

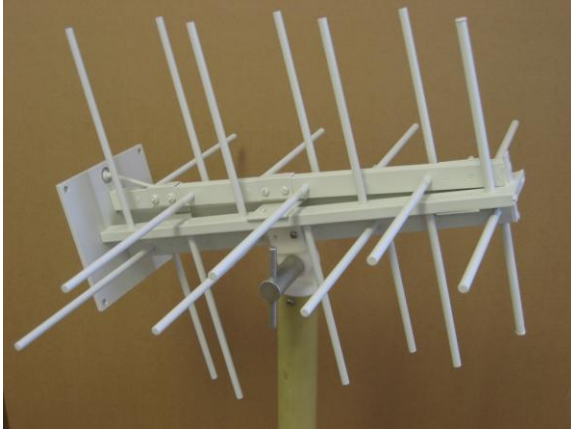


Broadband Discone Antenna

- BDA-210/A
Frequency: 20 - 1000 MHz
Ground-air-ground, air traffic control, vehicular and base communication applications



3) LOG PERIODIC DIPOLE ANTENNAS



- Calibrated to requested frequency (between 30MHz – 18 GHz)
- Single Polarization
- Dual Polarization
- Arrays for higher gain
- Radome Available/Included
- Custom Options (gain, frequency, size, mounting, portability, color, etc)
- Standard products available (inquire)

4) HELICAL ANTENNAS

- **BASE STATION HIGH GAIN HELICAL SATCOM ANTENNA SERIES, ADM-C4, C5, and C6**

Frequency: 240 – 320 MHz

Gain: Up to 14 dBic

Radomes available



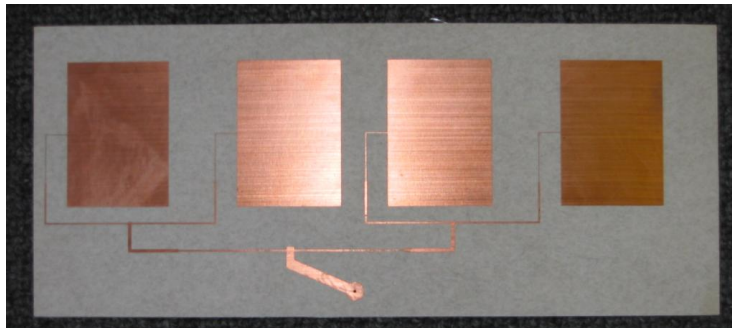
- **HELICAL ANTENNAS of ALL FREQUENCIES (shipboard suitable)**



5) EMI/EMC ANTENNAS

- Electric Field Antenna, EFA-110
Frequency: 100Hz – 100MHz
Active monopole receiving antenna
Ground plane available
- Magnetic Field Antenna, MFA-110A
Frequency: 100Hz – 100MHz
Magnetic field sensing device
Luggage hard case included

6) PATCH/MICROSTRIP ANTENNAS



7) PASSIVE SPIRAL ANTENNAS (from 100MHz –18GHz ranges)



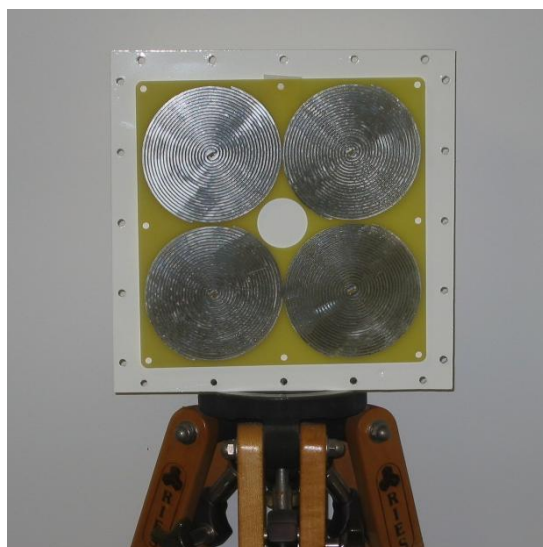
PSA-12A (1 to 2 GHz)



PSA-150A (100 to 500 MHz)



PSA-218A (2 to 18 GHz)



Shown without cover

8) CUSTOM ANTENNAS

- All frequencies, all types
- Special requirements
- Modifications to current designs
- New designs

