



STANDARD  
MIL-STD  
810

STANDARD  
MIL-STD  
461

STANDARD  
MIL-STD  
188-164

Size:

0.80m

## PMA-80-MIL

### Rapid Tactical Deployment

Engineered for swift field operation, the PMA-80-MIL features a tool-less modular pedestal enabling assembly in under 5 minutes. Its lightweight frame and ergonomic manual fine-tuning controls allow tactical operators to achieve automated satellite link acquisition effortlessly across remote environments.

### Versatile Mission Adaptability

Designed to support dynamic mission profiles, this terminal integrates flexible multi-operating modes. Field-swappable modules, multi-band feed options, and a modem-agnostic architecture ensure seamless integration with defense networks while simplifying field maintenance.

### High-Reliability Operational Performance

Powered by advanced positioning algorithms, the PMA-80-MIL guarantees instant satellite lock and rock-solid links. Featuring an intuitive Web GUI, ruggedized field interface, and comprehensive M&C functions, its fanless passive cooling delivers maximum reliability for high-bandwidth IP networking, secure VPNs, and HD video streaming.

### Key Features

- Extra Compact and Fast
- AC / DC Power Source acceptable
- BB2590 MIL Battery Operation
- Auto - pointing or Assisted Manual Pointing
- Field Changeable Multi Band Feed options
- Ruggedized Display Screen GUI
- Modem Agnostic integrated M&C
- Fanless Silent IP67 ACU
- Backpack or Trolley Case options
- Toolless Manual override mechanism





## GENERAL SPECIFICATIONS

|                    |
|--------------------|
| Reflector Diameter |
| Reflector Type     |
| Antenna Concept    |
| Power Supply       |
| Power Capability   |

## PMA-80-MIL

|                               |
|-------------------------------|
| 0.8m Carbon - Fiber           |
| Dielectric Back Feed Assembly |
| Segmented                     |
| 220VAC 50Hz                   |
| 100W 50W                      |

## RF CHARACTERISTIC

|                            |
|----------------------------|
| Frequency (GHz) Tx         |
| Frequency (GHz) Rx         |
| Antenna Gain (±0.2 dBi) Tx |
| Antenna Gain (±0.2 dBi) Rx |
| VSWR                       |
| Polarization               |
| Axial Ratio (dB)           |
| Tx/Rx Isolation (dB)       |
| Antenna Pattern Compliancy |

## Ku-Band

|                     |
|---------------------|
| 13.75 - 14.50       |
| 10.70 - 12.75       |
| 39.00+20lg(f/14.25) |
| 38.00+20lg(f/12.5)  |
| 1.5                 |
| Linear              |
| 35                  |
| 85                  |
| ITU-R S.580-6.      |

## Ka-Band

|                  |
|------------------|
| 29.00 - 30.00    |
| 19.20 - 20.20    |
| 45.00+20lg(f/30) |
| 41.40+20lg(f/20) |
| 1.5              |
| Circular         |
| 1.5              |
| 85               |
| ITU-R S.580-6.   |

## MECHANICAL SPECIFICATIONS

|                      |
|----------------------|
| Antenna Motion Range |
| Antenna Drive Rate   |
| Motor                |
| Weight Ku-Band       |

## EL Axis

|                                                             |
|-------------------------------------------------------------|
| 0 - 90°                                                     |
| 0.1° - 3° /s                                                |
| DC Brushless Servo with Brakes                              |
| ≤ 16.8KG (without BUC, LNB, packaging and accessories etc.) |

## AZ Axis

|      |
|------|
| 360° |
|      |
|      |
|      |

## Polarization

|       |
|-------|
| ± 90° |
|       |
|       |
|       |

## ENVIRONMENTAL SPECIFICATIONS

|                               |
|-------------------------------|
| Temperature Range Operational |
| Temperature Range Survival    |
| Wind Speed Operational        |
| Wind Speed Survival           |
| Protection Grade              |
| Solar Radiation               |

## PMA-80-MIL

|                                         |
|-----------------------------------------|
| -40°C - +55°C                           |
| -50°C - +70°C                           |
| gusting 40 km/h with blance weight      |
| gusting 65 km/h with with blance weight |
| IP65                                    |
| 1135W/m2                                |

Specifications are subject to change.

