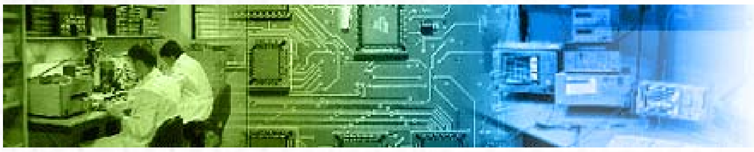

ACORDE TECHNOLOGIES

# X-Band Lightweight Terminal (Manpack)

Ed.02

## ACMPK-X

26/06/09

### DESCRIPTION

ACORDE's X-Band Terminal is a configurable transceiver lightweight satellite communication terminal in X-band. The RF system includes all necessary parts for satellite link, very quick deployment and easy connection with typical modems (L-band interface).

It can be carried by one person, and it can work with rechargeable batteries. It is a robust terminal that can resist hard operating conditions (MIL-STD-810F environmental specs). The terminal fulfils STANAG requirements and it is suitable for WGS satellites.

### SPECIFICATIONS

| Antenna Diameter | | 0.6 meters | 0.8 meters |
|---|---|---|---|
| Maximum EIRP | 2W option | > 33.5 dBW | > 36.0 dBW |
| | 4W option | > 36.5 dBW | > 39.0 dBW |
| | 8W option | > 39.5 dBW | > 42.0 dBW |
| G/T midband (@ 30º elevation) | | 9.5 dBK | 12.0 dBK |

Antenna type ........................................... Segmented Parabolic (carbon fiber)

Polarization................................................. Circular RHCP/LHCP switchable

TX Frequency ............................................. 7.9 - 8.4 GHz

RX Frequency ............................................. 7.25 - 7.75 GHz

L-band Frequency....................................... 950 - 1450 MHz

Reference .................................................. 10 MHz (multiplexed on L-band)

Total Weight................................................ < 10 Kg. (excluding batteries)

Power supply .............................................. 18 - 36 VDC (multiplexed on L-band)

Total consumption ....................................... < 35 Watts (2W option)
< 50 Watts (4W option)
< 70 Watts (8W option)

Temperature range .................................. -20º to +60ºC

Environmental conditions ........................ MIL-STD-810F

Deployment time ....................................... Less than 5 minutes

**ACORDE** • PCTCAN, Albert Einstein 6 • 39011 Santander • Spain
Phone: +34 942 76 44 00 • Fax: +34 942 76 44 03
Web: www.acorde.com