

**Applicant:**

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Certificate:

EA-V054

Antenna:
1.2 m RXTx Class I
MIL-12QDKU-1

Diameter:
1.2 m

Standard:
M

Approval date:
20-03-2008

System Description:

Quick Deploy VSAT terminal for low and medium rate digital traffic. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 1.2 m SMC reflector. Two port die-cast OMT. Az/EI Mount with steel boom arm. Collapsible tripod. 30 W ND Satcom RFT 5000 KU-BAND, Invacom SPV-30 SM LNB.

Configurations:

One standard configuration type MIL-12QDKU-1 with mode generator and rotary joint.

Maximum Allowed EIRP:

42.6 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K.

Tx Frequency:

14.00 – 14.50 GHz

Rx Frequency:

10.70-12.75 GHz

Tx Gain:

43.8 dBi (typical at 14.25 GHz)

G/T:

21.5 dB/K (typical at 11.70 GHz)

Tx XPD:

>30 dB within the mainlobe -1 dB contour

Rx XPD:

>26 dB within the mainlobe -1 dB contour

Remarks:

Class I is designed for operating with an integrated transceiver assembly (or BUC+LNB assemblies) weighting a maximum of 1.7 Kg.

To be operated for maximum wind speeds of up to 50 Km/h.