

**Applicant:**

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Certificate:

EA-V055

Antenna:

1.2 m RXTx Class I
Type 125

Diameter:

1.2 m

Standard:

M

Approval date:

21-10-2008

System Description:

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. Az/EI Mount with steel boom arm. 1.5 W or 3 W XR 1000 series transceivers with integrated OMT, filter and LNB.

Configurations:

One standard configuration.

Maximum Allowed EIRP:

44.5 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502, Issue 11 - Rev.1, § 6.1 refers).

Tx Frequency:

13.75 – 14.50 GHz

Rx Frequency:

10.70-12.75 GHz

Tx Gain:

43.5 dBi (typical at 14.25 GHz)

G/T:

21.3 dB/K (typical at 11.95 GHz, elevation 30°)

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 weighting a maximum of 1.7 Kg.

To be operated for maximum wind speeds of up to 72 Km/h corresponding to a pointing error equal to 0.2°.