

**Applicant:**

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**Certificate:**

EA-A034

**Antenna:**  
**1.2 m RXTx Class I**  
**Type 125**  
**12QDKU-1**

**Diameter:**  
1.2 m

**Standard:**  
M

**Approval date:**  
20-03-2008

**System Description:**

Long focal length earth station for low and medium rate digital traffic; particularly suited for VSAT applications. Front fed offset configuration, feed with mode generator and rotary joint. Single piece 1.2 m SMC reflector. Two port die-cast OMT. Az El Mount with steel boom arm.

**Configurations:**

Two standard configurations: type125 (fixed applications); 12QDKU-1 (Quick Deploy Tripod).

**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)

**Rx Gain:**

42.0 dBi (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 72 Km/h (Type 125) or 50 Km/h (Type 12QDKU-1).