

# Eutelsat s.A. Type Approval Summary Sheet

**Applicant:**

VERTEX RSI  
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**Certificate:**

EA-A037

**Antenna:**

2.4 SMK-LT  
4-ports feed

**Diameter:**

2.4 m

**Standard:**

M

**Approval date:**

30-05-2008

**System Description:**

Transportable Fly away Earth Station based on a three pieces 2.4 meter VERTEX RSI carbon fiber molded antenna with mode generator four ports feed and rotary joint. Suitable for digital transmission up to highest bit rate.

**Models Available:**

2.4 SMK-LT 4 ports feed

**Maximum Allowed EIRP:**

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

**Tx Frequency:**

13.75 - 14.50 GHz

**Rx Frequency:**

10.70 - 12.75 GHz

**Tx Gain:**

48.9 dBi (typical at 14.25 GHz)

**Rx Gain:**

47.6 dBi (typical at 12.5 GHz)

**Tx XPD:**

>35 dB within 1 dB contour

**Rx XPD:**

>23 dB within 1 dB contour

**Remarks:**

The de-ice option has not been validated for the scope of the type approval

Maximum operating wind speed:72 Km/h