

**Manufacturer:**

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Antenna model:
VSAT 120

Diameter:
1.2 m

Standard:
M

Characterization date:
18/03/2010

System Description:

Stabilised maritime antenna – front fed axi-symmetric antenna – three layers 140 cm radome. Three axis stabilization platform with polarisation axis and conical scanning tracking. BUCs Terrasat (or equivalent) 2-4-8-16-40 W with integrated LNB.

Models Available:

Standard configuration: 13.75-14.50 GHz linear orthogonal polarization.

Maximum Allowed EIRP:

41.5 dBW / 40 kHz for digital carriers transmitted at the satellite receive contour of 0 dB/K (EESS 502, Issue 12 - Rev.0, § 6.1 refers).

Tx Frequency:

13.75 - 14.50 GHz

Rx Frequency:

10.70 - 12.75 GHz

Tx Gain:

42.1 dBi (typical at 14.25 GHz)

Rx Gain:

40.4 dBi (typical at 11.7 GHz)

Tx XPD:

>26 dB within -1 dB contour

Rx XPD:

>31 dB within -1 dB contour

Remarks:

1

The characterization uniquely refers to the RF electrical performance, which was assessed in a professional test range facility.

The validation of the performance of the tracking system and the operations of the antenna when installed on a vessel is out of the scope of this summary. More information about this can be found on the manufacturer web site: <http://www.nautisat.com>

2

The characterization was performed on three FPQ (First Pieces Qualification) antennas at the test range of France Telecom in La Turbie, France.

3

This temporary characterization is granted for a period of six months, pending the availability and verification of the first production units.