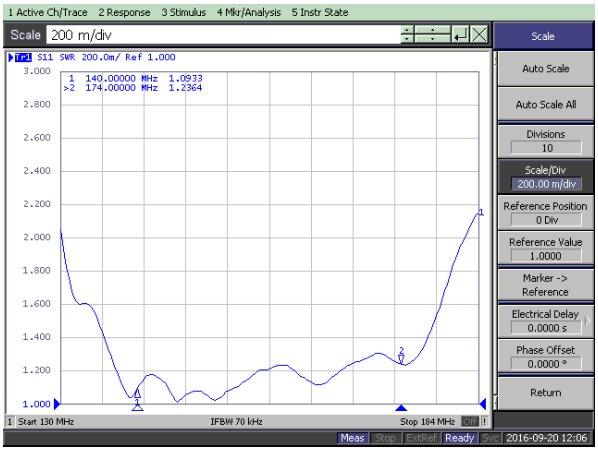
FOLDED DIPOLE ANTENNA 140-174 MHz

T-DY01.140/174

MATERIAL

Boom	Aluminiun alloy EN AW-6082
Elements	Aluminiun alloy EN AW-6060
Screws and nuts	Stainless steel
Treatment	Surtec650 (in specification RoHS)



TECHNICAL SPECIFICATIONS

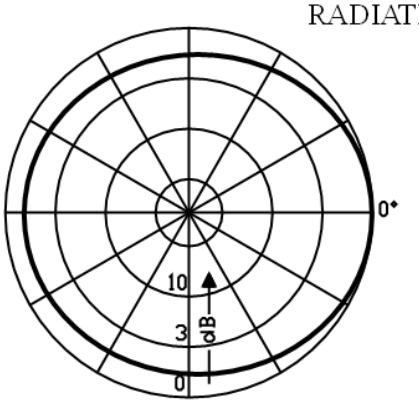
Elements number	1
Impedance (Ohms)	50
Frequency range	140 ÷174 MHz
V.S.W.R	Less than 1.5
Polarization	Vertical or Horizontal
Connector	N-female
Mounting	On masts from 33 to 60 mm diam.
Gain (dBi)	3
Max power (W)	150 +
Vertical beamwidth	68°

DEVICE EQUIPPED WITH A DC GROUNDED SYSTEMAND CONDENSING HOLE

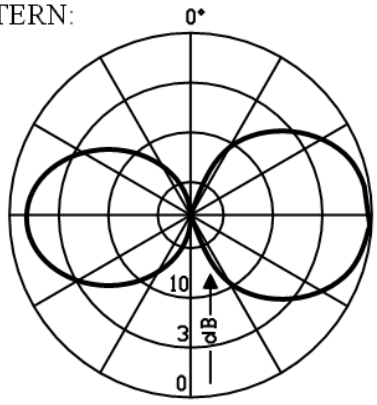
ENVIRONMENTAL SPECIFICATIONS

Temperature (°C)	-40° - +80°
Dimensions (mm)	670 x 890
Net weight (g)	2200
Wind loading area (m²) - Flat Plane Equivalent	0.065
Wind loading area (m²) - 1/2"ice	0.13
Rated wind velocity (km/h) - no ice	> 280
Rated wind velocity (km/h) - 1/2"radial ice	> 140
Lateral thrust (160Km/h no ice) (N)	195

RADIATION PATTERN:



E-PLANE



H-PLANE

Atel-Antennas S.r.l.

Viale Caduti sul Lavoro, 21/A - 15061 Arquata Scrivia (AL) - Italy

Tel. +39 0143 635496 - Fax +39 0143 666423 - Website: www.atel-antennas.eu - Mail: commerciale@atel-antennas.eu - P. IVA 02442250060