

# XD180V5

## OMNIDIRECTIONAL

- Broadband collinear design
- Fiberglass radome and stainless steel hardware
- Customization available



mast mount baseplate

### ELECTRICAL

Frequency	156 ÷ 174 MHz
Input impedance	50 Ω
Polarization	linear vertical
VSWR	< 1.5 across band
Gain	5 dBi
Half power beamwidth	360° (Az) × 40° (El)
Power rating	100 W cw
Lightning protection	DC grounded

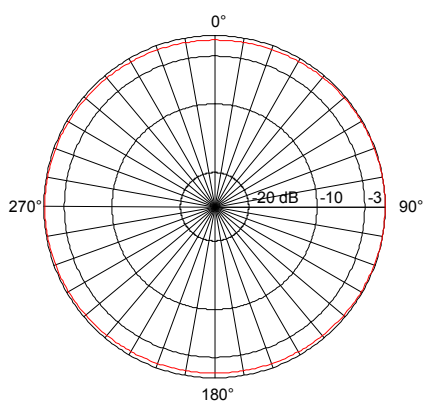
### MECHANICAL

Connector	N-female
Dimensions	2400(H) × 40(Dia.) mm
Mass	3980 g
Wind loading	13.5 kg @ 150 km/h
Standard finish	white fiberglass radome, anodized aluminium base

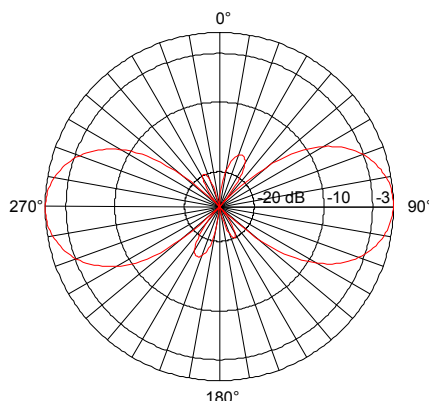
### MOUNTING

Standard interface	stainless steel clamps
Mast diameter range	35 ÷ 70 mm

Azimuth pattern



Elevation pattern



Due to technical improvements, specifications provided in this data sheet may change without notice. Whilst every effort is made to ensure an high degree of accuracy to all specifications here reported, no responsibility can be accepted for any errors or omissions. Any reproduction, full or partial, of this document and its contents is not allowed without factory authorization.

Since *ElettroMagnetic Services* is specialized in development and production of custom antennas, if you need electrical and/or mechanical modifications of this product to meet a particular application or requirements, please feel free to contact us directly.

### HEADQUARTERS

*ElettroMagnetic Services srl*  
via S. Pertini, 6  
26019 VAILATE (CR) - ITALY  
Tel +39 (0) 363 84086  
Fax +39 (0)363 341636  
Email [info@elettromagneticservices.com](mailto:info@elettromagneticservices.com)

Issued: 26.01.06  
Updated: 12.10.16