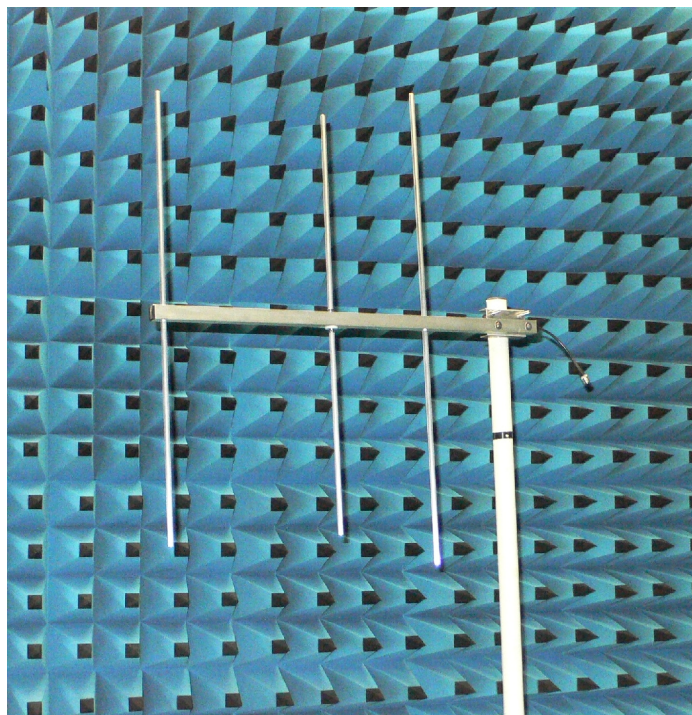


LY177V

ElettroMagnetic Services
SRL

YAGI DIRECTIONAL ANTENNA

- Optimized gain for 169 MHz telemetering band
- Stainless steel bracket and hardware
- Customization available



ELECTRICAL

Frequency	169.4 ± 0.5 MHz
Input impedance	50 Ω
Polarization	linear vertical
VSWR	< 1.5 (center freq.)
Gain	9 dBi
Front-to-back ratio	> 20 dB
Half power beamwidth	85° (Az) × 60° (El)
Power rating	20 W cw
Lightning protection	DC grounded

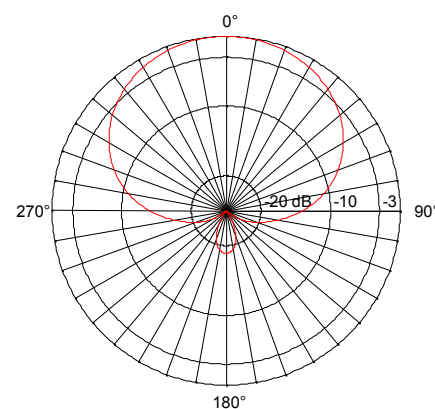
MECHANICAL

Connector	N-female with RG-58/U rear pigtail
Dimensions (mm)	800 (boom len.) × 920 (el. len.)
Mass	950 g
Wind loading	5 kg @ 150 km/h
Standard finish	anticorodal aluminium, stainless steel hardware

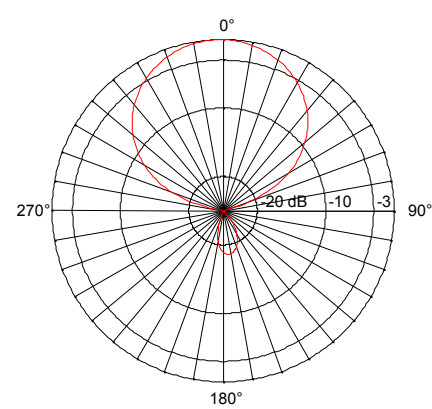
MOUNTING

Standard interface	rear bracket
Mast diameter range	30 ÷ 60 mm

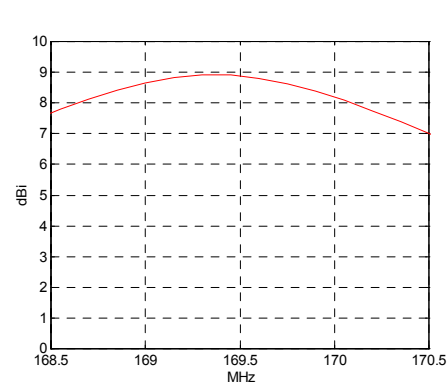
Azimuth pattern



Elevation pattern



Gain curve



Due to technical improvements, specifications provided in this data sheet may change without notice.
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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

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