

EP100011V

ElettroMagnetic Services
SRL

BICONICAL ANTENNA

- For e.m. spectrum monitoring
- Full radome protection
- Customization available



ELECTRICAL

Frequency	30 ÷ 2700 MHz
Input impedance	50 Ω
Polarization	linear vertical
Return loss (typical)	< -3 dB (30÷150 MHz) < -6 dB (150÷2700 MHz)
Gain (measured at 0° elevation)	> -27 dBi (30÷100 MHz) > -10 dBi (150÷2700 MHz)
Half power beamwidth	360°(Az) × see figg. below

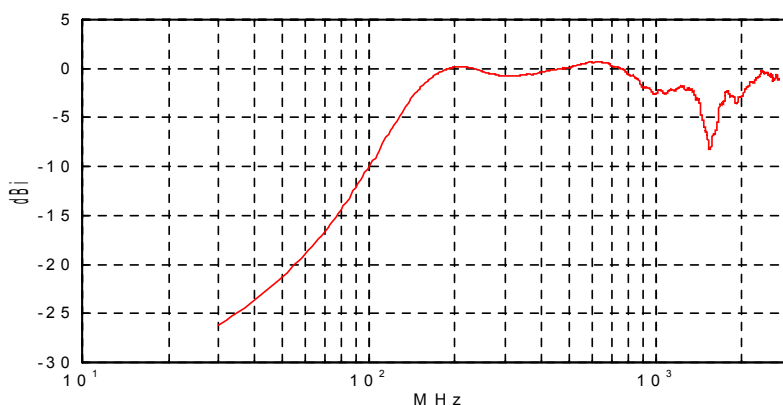
MECHANICAL

Connector	N-female
Height × radome dia.	800 × 250 mm
Mass	3100 g
Standard finish	polycarbonate light grey radome

MOUNTING

Standard interface	stainless steel mast bracket
Mast diameter	40 ÷ 70 mm

Gain (measured at 0° elevation)



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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

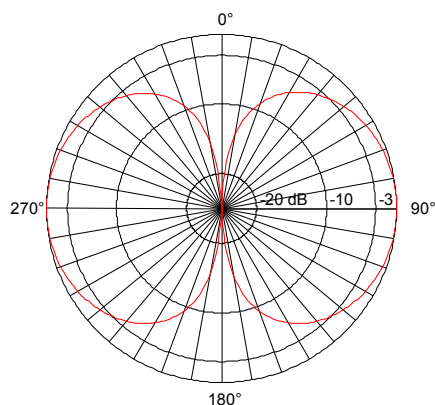
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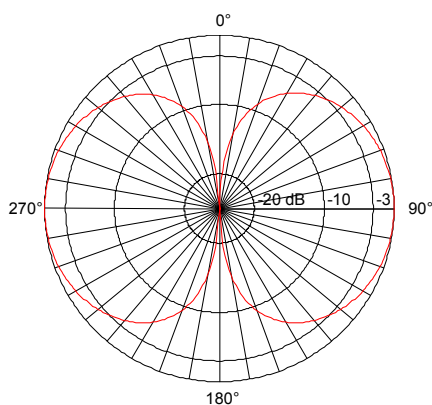
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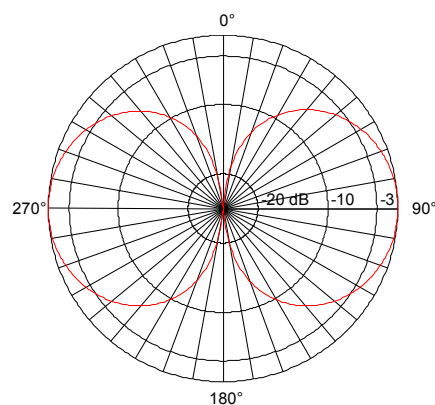
Elevation pattern at 50 MHz



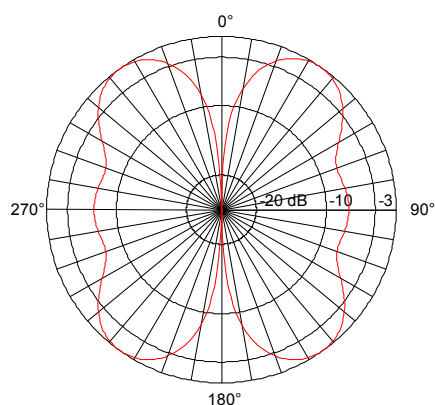
Elevation pattern at 100 MHz



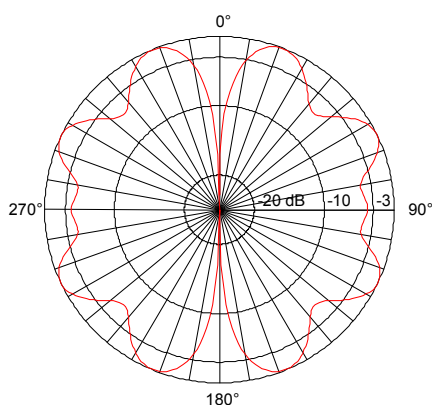
Elevation pattern at 500 MHz



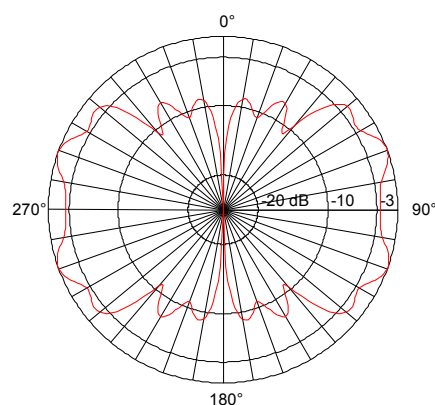
Elevation pattern at 1000 MHz



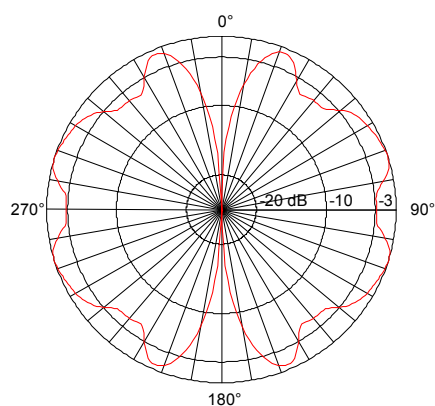
Elevation pattern at 1500 MHz



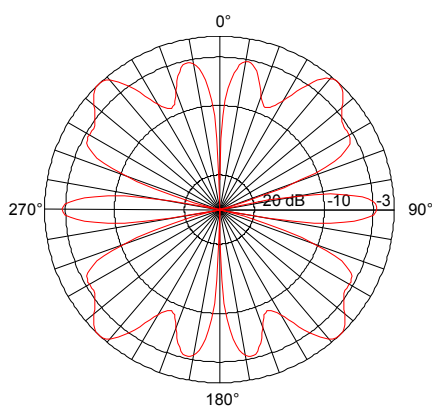
Elevation pattern at 2000 MHz



Elevation pattern at 2500 MHz



Elevation pattern at 2700 MHz



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