

HL48V

OMNI LOW PROFILE ANTENNA

ElettroMagnetic Services
SRL

- Ideal for stealth applications, i.e. jamming devices
- Dual band with separated inputs
- Other frequency bands available upon request



ELECTRICAL

| | | |
|-----------|-----------------|-------|
| Frequency | 880 ÷ 960 MHz | (GSM) |
| | 1710 ÷ 1880 MHz | (DCS) |

| | |
|----------------------|--------------------|
| Polarization | linear |
| VSWR | < 2 |
| Isolation btw inputs | 25 (900 MHz band) |
| | 35 (1800 MHz band) |
| Gain | 4 dBi |
| Half pwr beamwidth | see figs below |
| Power rating | 50 W cw |
| Lightning protection | D.C. grounded |

MECHANICAL

| | |
|-------------------------|--|
| Connector | 2 × SMA-female, 50Ω |
| Length × Width × Height | 198 × 50 × 32 mm |
| Mass | 170 g |
| Standard finish | light grey polycarbonate radome, tinned brass reflector |

MOUNTING

| | |
|--------------------|-------------------------------|
| Standard interface | on a flat surface with screws |
|--------------------|-------------------------------|

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

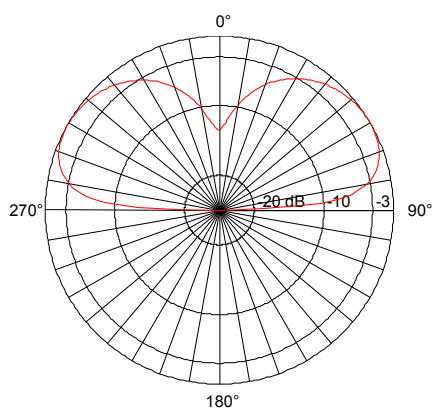
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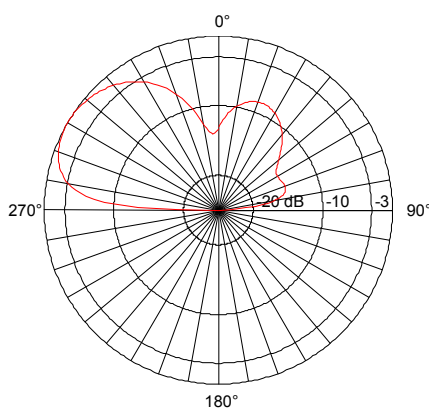
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Azimuth pattern, 900 MHz



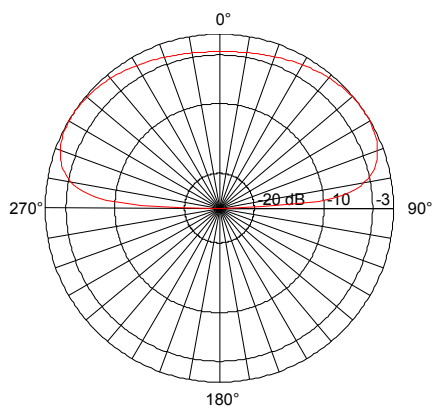
Elevation pattern, 900 MHz



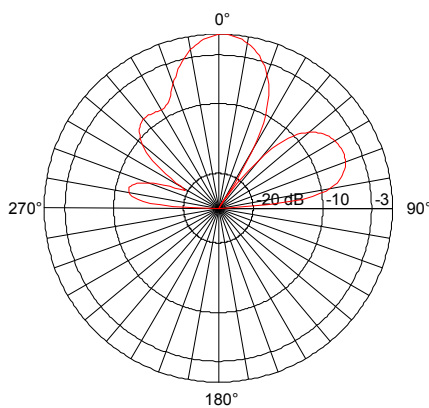
Antenna is wall mounted with connectors oriented downward.

Radiation patterns may vary depending on the dielectric characteristics of the wall on which the antenna is mounted .

Azimuth pattern, 1800 MHz



Elevation pattern, 1800MHz



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Radiation patterns may vary depending on the dielectric characteristics of the wall on which the antenna is mounted .

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