

WIDEBAND HF ANTENNA 1KW



OVERVIEW

The EASP-WHF1K-ANT is a relative **high efficiency broadband vertical radiator** intended to be used with frequency agile transmission systems **over the 2 - 30 MHz HF band** (i.e.: HF/ALE systems).

It is manufactured in two different versions, respectively EASP-WHF1K-ANT/R for the **roof mounting** solution and EASP-WHF1K-ANT/N for the **naval mounting solution**.

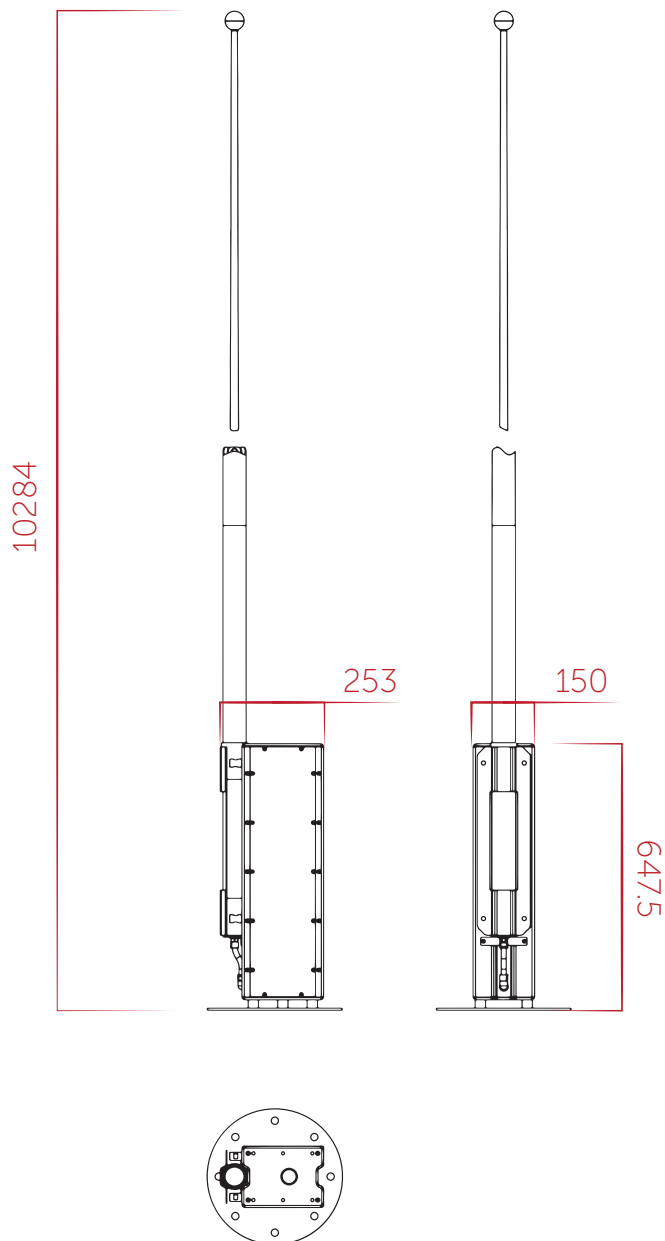
FEATURES

- Minimal maintenance requirements
- High Reliability
- Broadband radiator, a decade frequency interval typical
- No tuning devices
- SWR 1:1.5 typical
- 50 ohm coax feed line
- RF power 1.0 kilowatt continuous duty

KEY BENEFITS

- Rugged fiberglass whip element and stainless steel mounting hardware

All dimensions are expressed in millimeters



TECHNICAL DESCRIPTION

Mechanical Features

- **Length** 10 meters
- **Weight** 40 Kg
- **Sections** 2
- **Bottom Ø** 62 mm
- **Whip material** epoxy fiberglass
- **Finishing** polyurethane paint

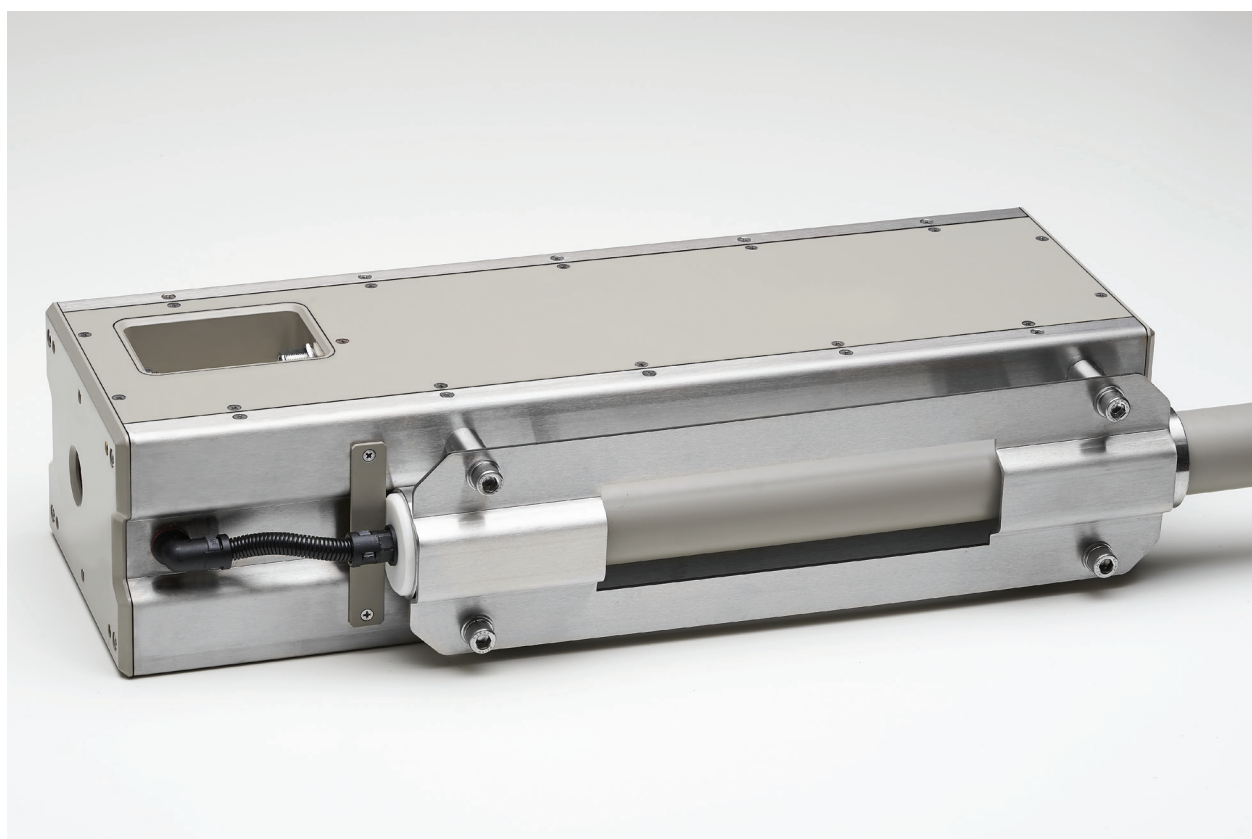
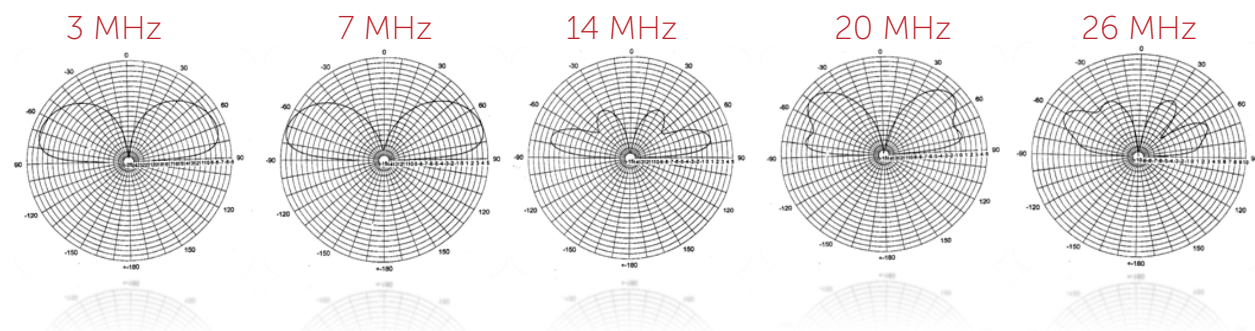
- **Colour** grey RAL 7030
- **Radiator** high Q Teflon line
- **Ferrule** inox steel per AISI 316
- **Operating temp.** -35 °C to +80 °C
- **Max wind speed** 180 Km/h



Electrical Features

Frequency	2 to 30 MHz
Impedance	50 ohm
Polarization	Vertical
H radiation	360 °
V radiation	See diagram
TX feed cable	RG-213/U
Ground	Yes

Radiation Patterns





PRODUCT DATA

Part Number	EASP-WHF1K-ANT
Versions / Options	<p>EASP-WHF1K-ANT/N Wide band HF antenna 1KW Naval Mounting</p> <p>EASP-WHF1K-ANT/R Wide band HF antenna 1KW Roof Mounting</p>
Accessories	<p>Anchor plate Naval</p> <p>Anchor plate Roof</p>



REGULATORY

Compliance Summary	---
Export Jurisdiction	---
Warranty	---

ORDER INFORMATION

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