



Specially developed for EMC/EMI testing. This broadband horn antenna operates from 0.74 GHz up to 10.5 GHz. Thanks to radome, this antenna is suitable for outdoor applications. It is hermetically sealed and equipped with the standard L-shape holder and a Gore air vent.

Manufactured with RF SPIN's **SPM Technology** to achieve the best mechanical and radio parameters.

Cloned antenna series are available through **AU Technology**, which guarantees constant parameters.

 See the equivalent naked antenna **DRH10**

## Features and Specifications



### Technical Performance

- Wide bandwidth
- Low return loss
- Individual calibration
- Suitable for EMC/EMI applications



### Design and Surface Treatment

- Protective water-resistant case
- Includes standard mount



### Manufacturing Technology

- High quality SMA type coaxial connector



### Product Packaging Includes

- Antenna
- Universal antenna mount

## Product Parameters

### PRODUCT IDENTIFICATION

Product Name	<b>DRH10R</b>
Product Category	<b>Double Ridged Horn Outdoor Antenna</b>

### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>740 MHz – 10.5 GHz</b>
VSWR (max.)	<b>2.4</b>
VSWR (avg.)	<b>1.4</b>
Impedance	<b>50 Ohm</b>
Connector	<b>SMA (female)</b>
Power (CW / Peak)	<b>150 W / 250 W</b>
Antenna Factor	<b>22 – 36 dB/m</b>
Polarization	<b>Linear</b>

### PHYSICAL SPECIFICATIONS

Width	<b>360 mm (14.173 in)</b>
Height	<b>293 mm (11.535 in)</b>
Depth	<b>360 mm (14.173 in)</b>

### OPERATING CONDITIONS

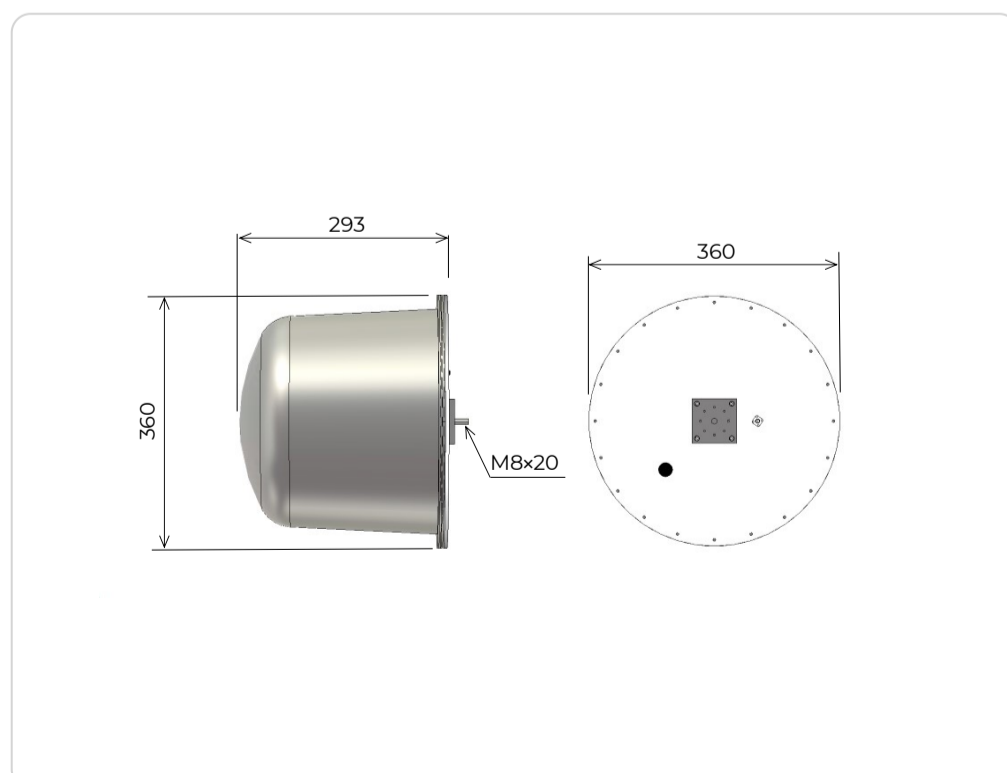
Rated Temperature Range	<b>-10°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>

### MOUNTING FLANGE

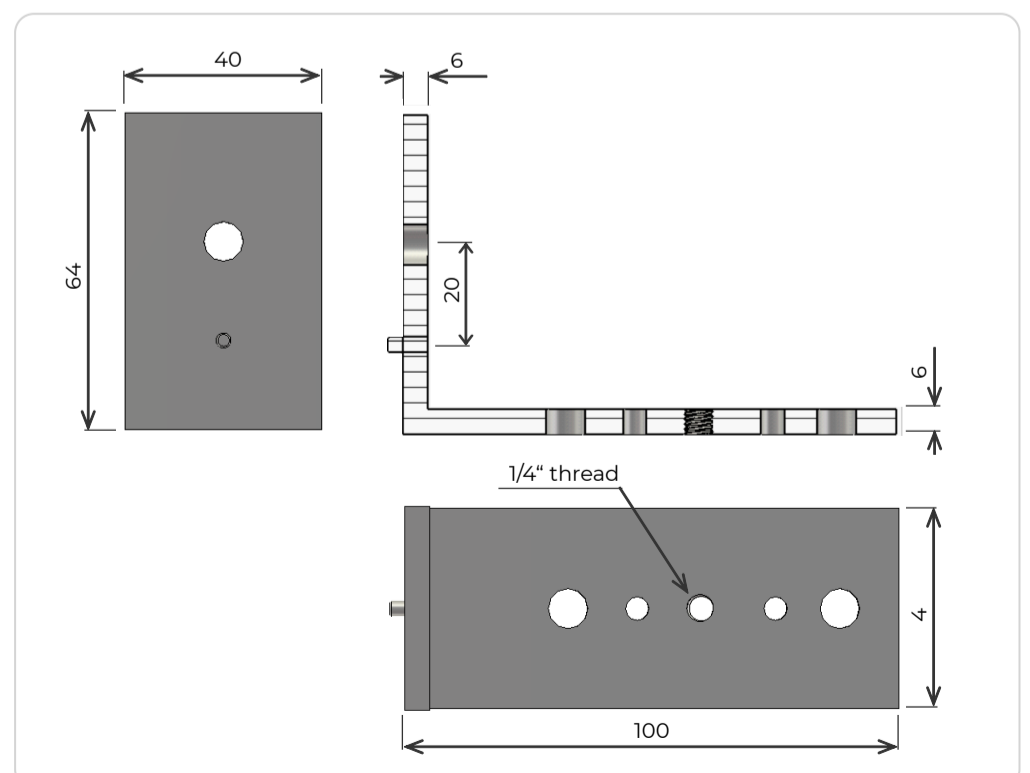
Mounting	<b>Universal antenna mount</b>
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## Mechanical Drawings

Antenna



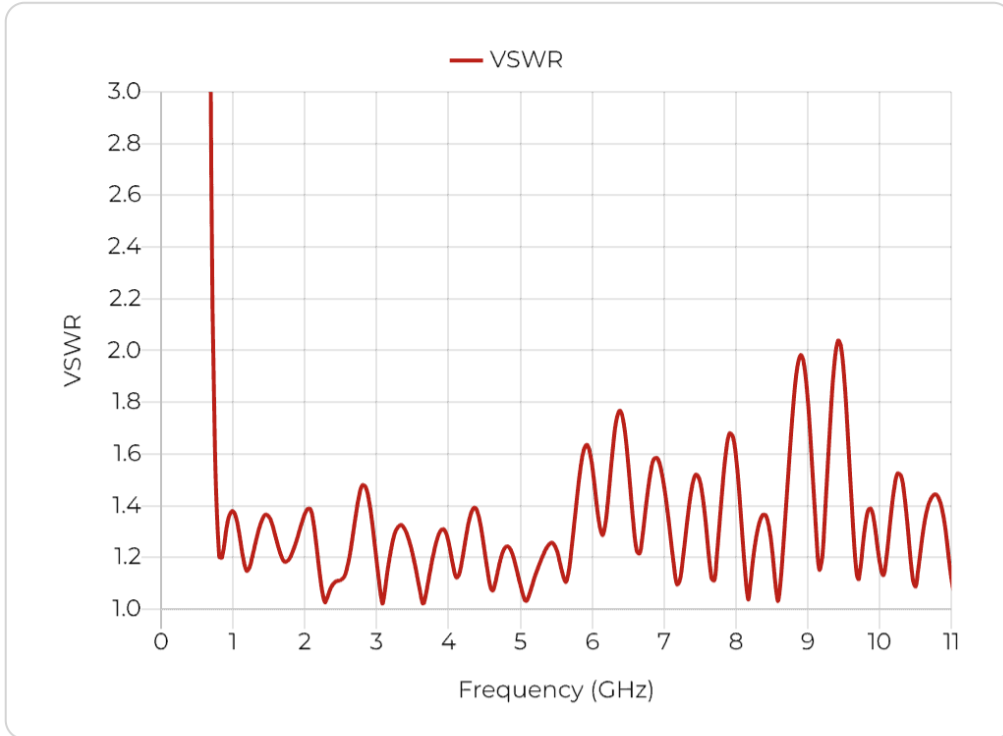
Mounting flange



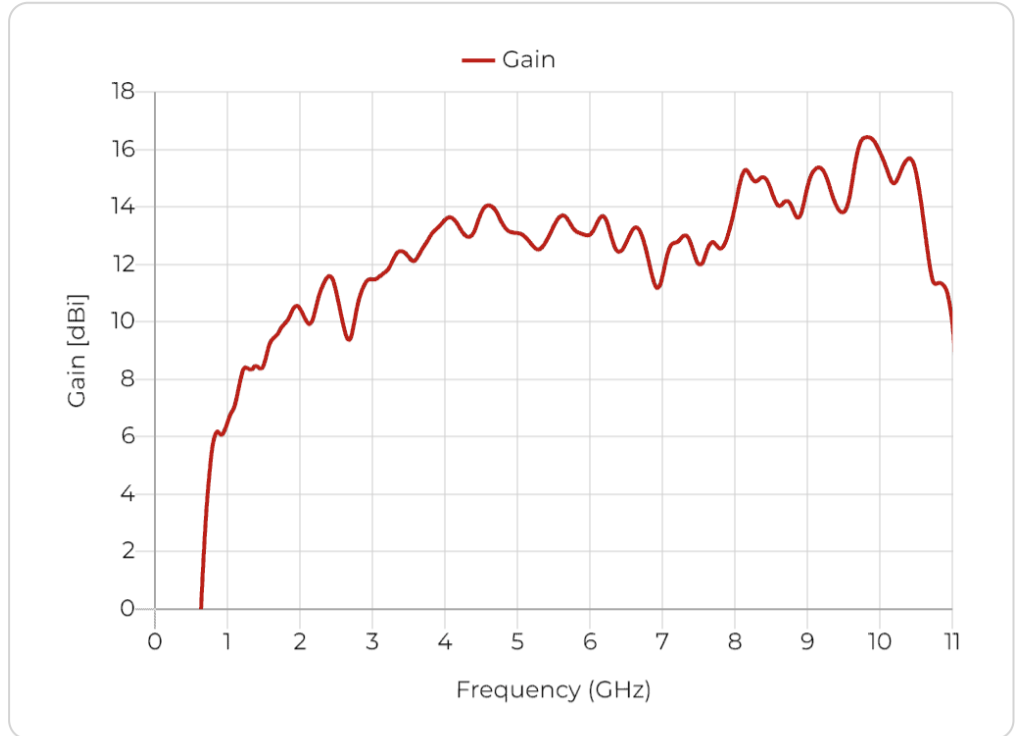
# Parameters and Performance

## Typical parameters

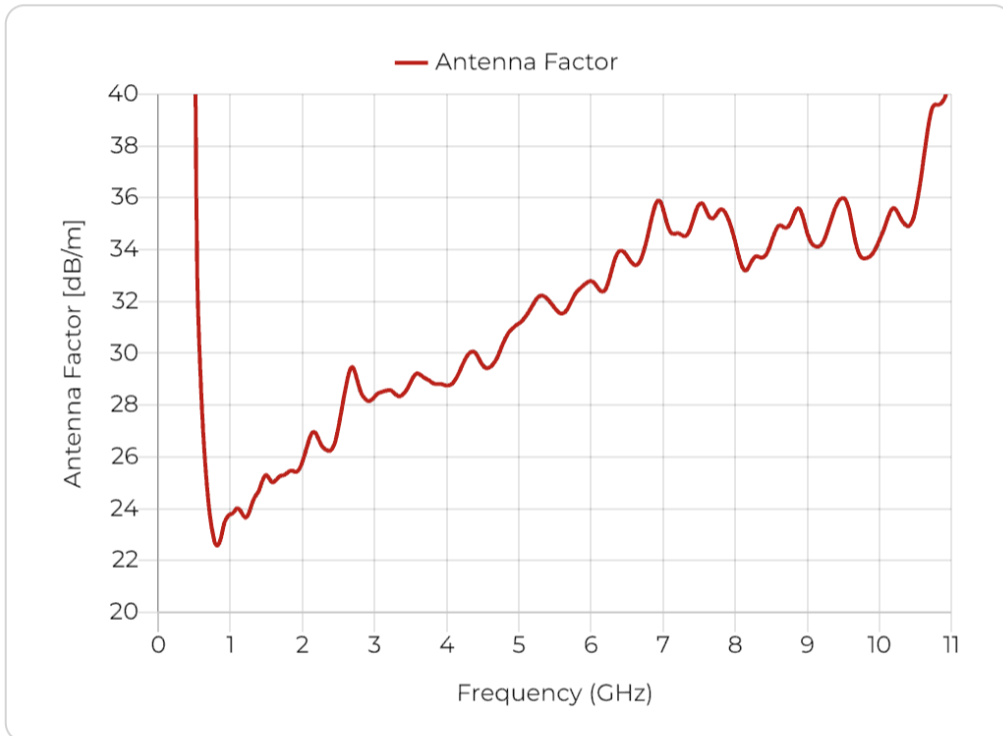
VSWR



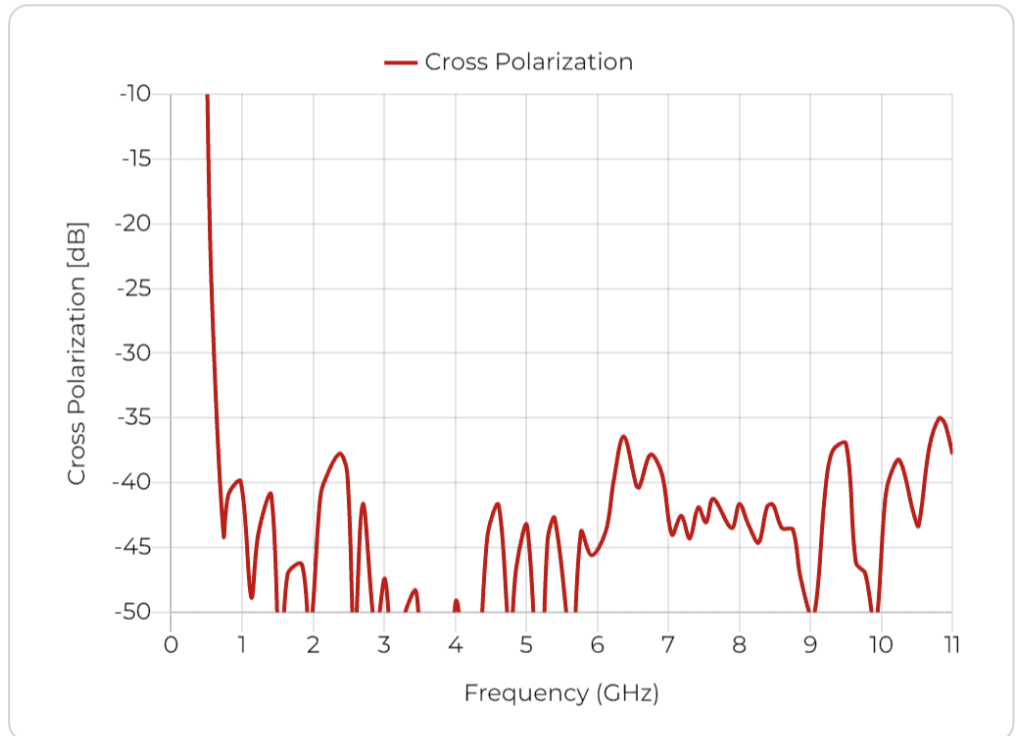
Gain



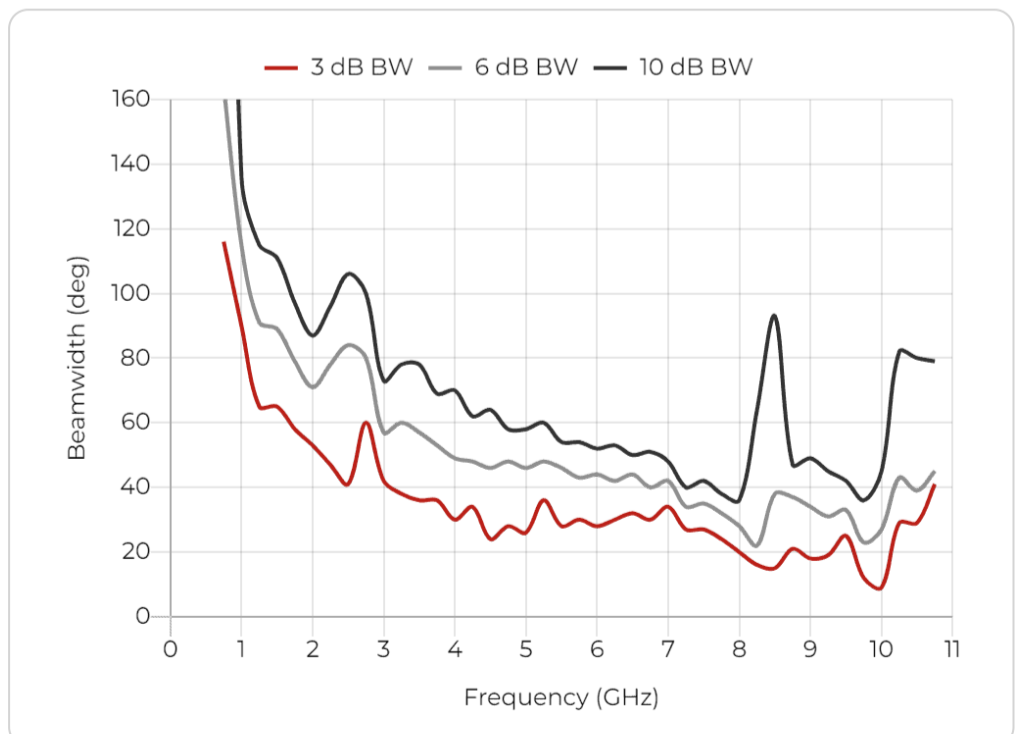
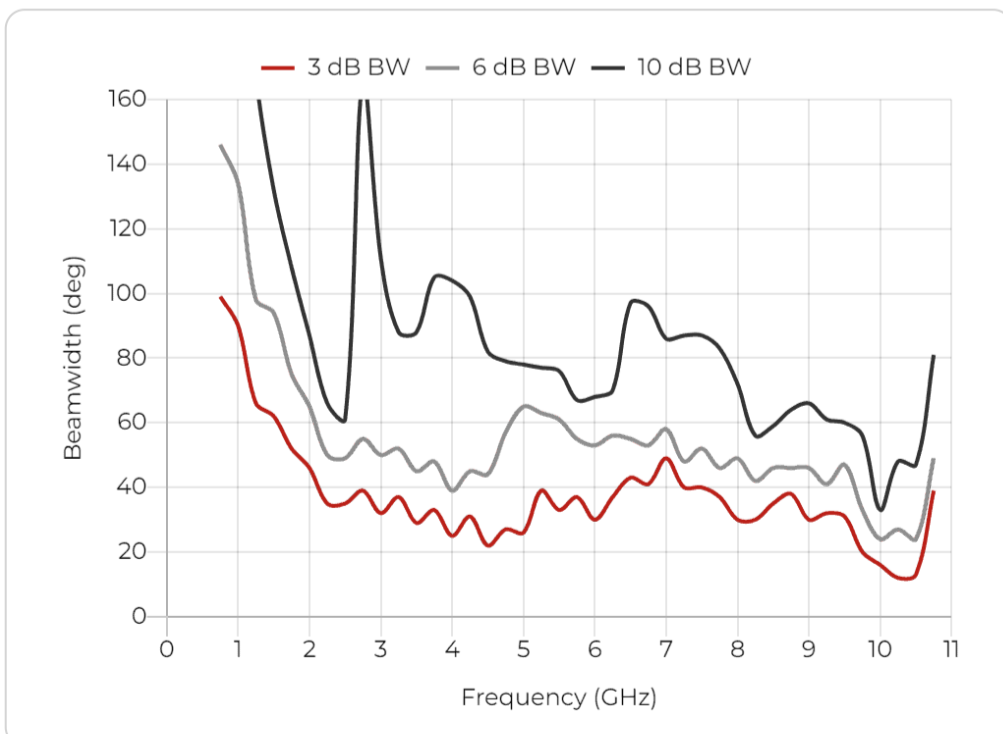
Antenna Factor



Cross Polarization



## Beamwidth





## Packaging and Accessories

### What's in a box

- DRH10R Device
- Factory calibration certificate
- Full calibration report of each antenna
- QR code accessing online portal
- Calibration test dataset (available online)
- Universal antenna mount

### Accessories

- Standard mounting flange

### Optional Accessories

- [AHS22-10 Antenna Fixture](#)
- [PAS02 Antenna Stand](#)

### Custom services

- Custom mounting solutions
- Custom calibration data
- Radome waterproof enclosure

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/drh10r/>

*Data and specifications subject to change without notice.*

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### 📍 Address

RFspin s.r.o.  
Na Beránce 57/2  
160 00 Prague 6  
Czech Republic

### ✉ E-mail

[info@rfspin.com](mailto:info@rfspin.com)

### 📞 Phone

[+420 245 008 847](tel:+420245008847)