

Introducing the DRH0532, RFspin's latest innovation in high-performance antenna technology. This remarkable antenna showcases extraordinary broadband capabilities, efficiently covering a broad frequency band from 5 GHz to 32 GHz. Engineered with precision, this antenna features advanced design elements and is equipped with a robust K connector, ensuring reliable and consistent performance across various applications.

Cloned antenna series are available through [AU Technology](#), which guarantees constant parameters.

Manufactured with RF SPIN's [SPM Technology](#) to achieve the best mechanical and radio parameters.

## Features and Specifications



### Technical Performance

- Wide bandwidth
- Low return loss
- Individual calibration
- Covers 5G frequency band



### Design and Surface Treatment

- Corrosion-resistant coating
- Includes standard mount



### Manufacturing Technology

- High quality K type coaxial connector
- High quality SMA type coaxial connector



### Product Packaging Includes

- Adapter with 1/4 inch inner thread, supplied with antenna
- Linear polarized pyramidal horn antenna

## Product Parameters

### PRODUCT IDENTIFICATION

Product Name	<b>DRH0532</b>
Product Category	<b>Double Ridged Horn Antenna</b>

### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>5 GHz – 32 GHz</b>
VSWR (max.)	<b>1.5</b>
VSWR (avg.)	<b>1.2</b>
Impedance	<b>50 Ohm</b>
Connector	<b>K (female), SMA (female)</b>
Power (CW / Peak)	<b>100 W / 170 W</b>
Antenna Factor	<b>36 – 41 dB/m</b>
Polarization	<b>Linear</b>

### PHYSICAL SPECIFICATIONS

Width	<b>54 mm (2.126 in)</b>
Height	<b>33.4 mm (1.315 in)</b>
Depth	<b>102 mm (4.016 in)</b>
Weight	<b>0.167 kg (0.368 lb)</b>

### OPERATING CONDITIONS

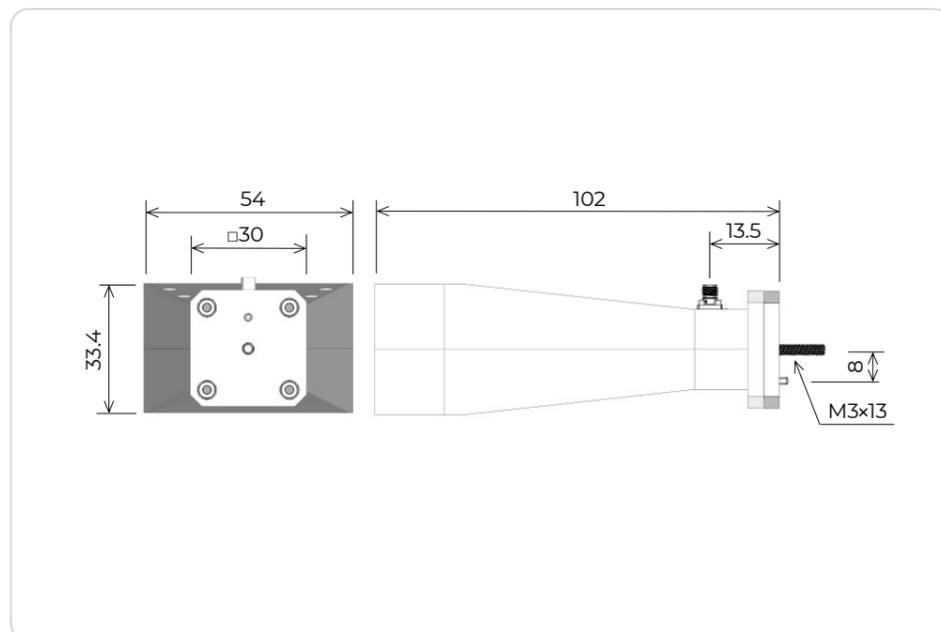
Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +60°C</b>

### MOUNTING FLANGE

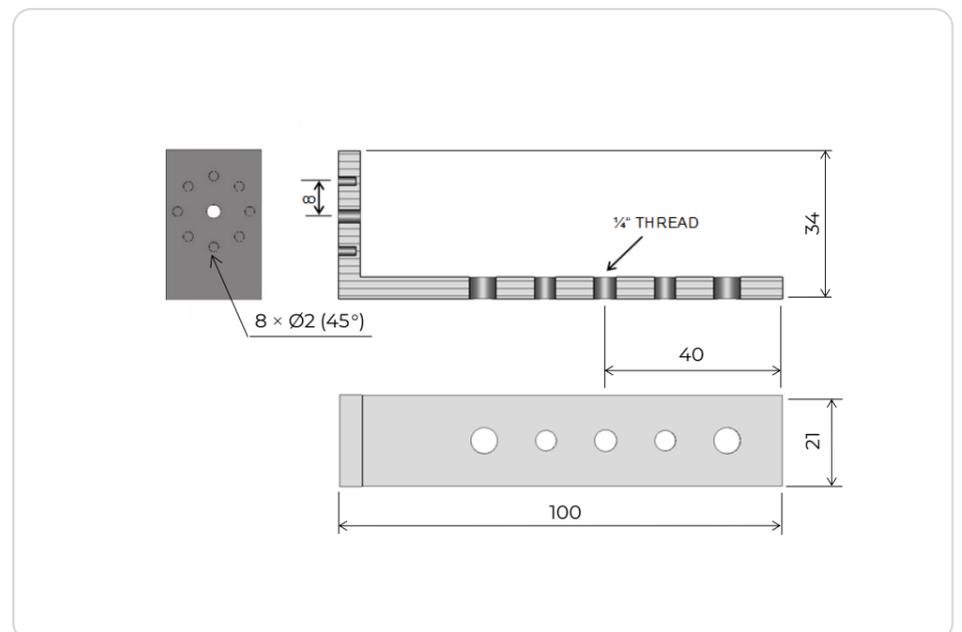
Mounting	<b>Adapter with 1/4 inch inner thread, supplied with antenna</b>
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## Mechanical Drawings

Antenna



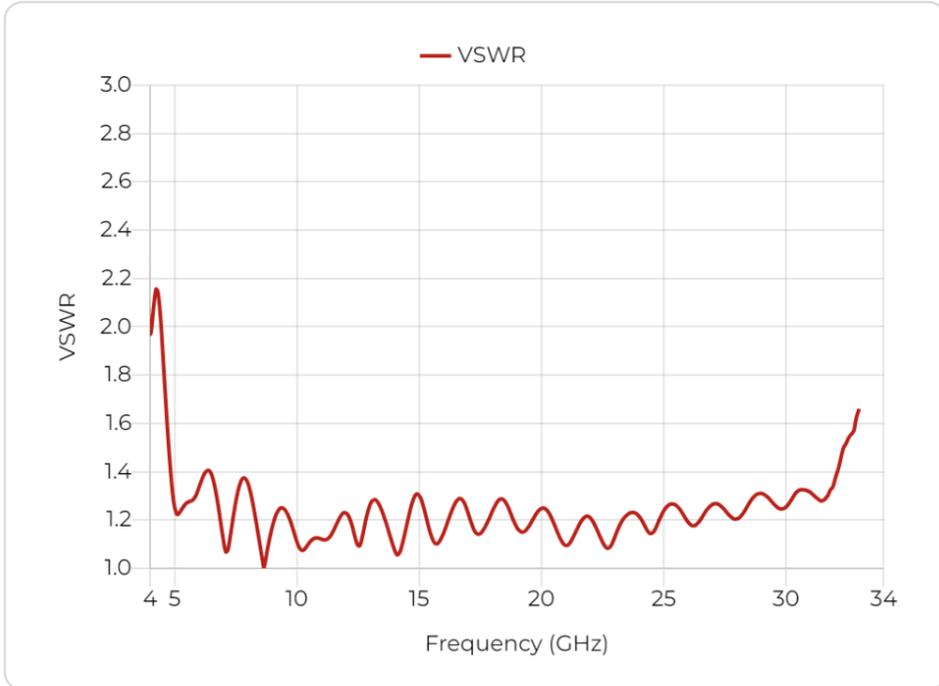
Mounting flange



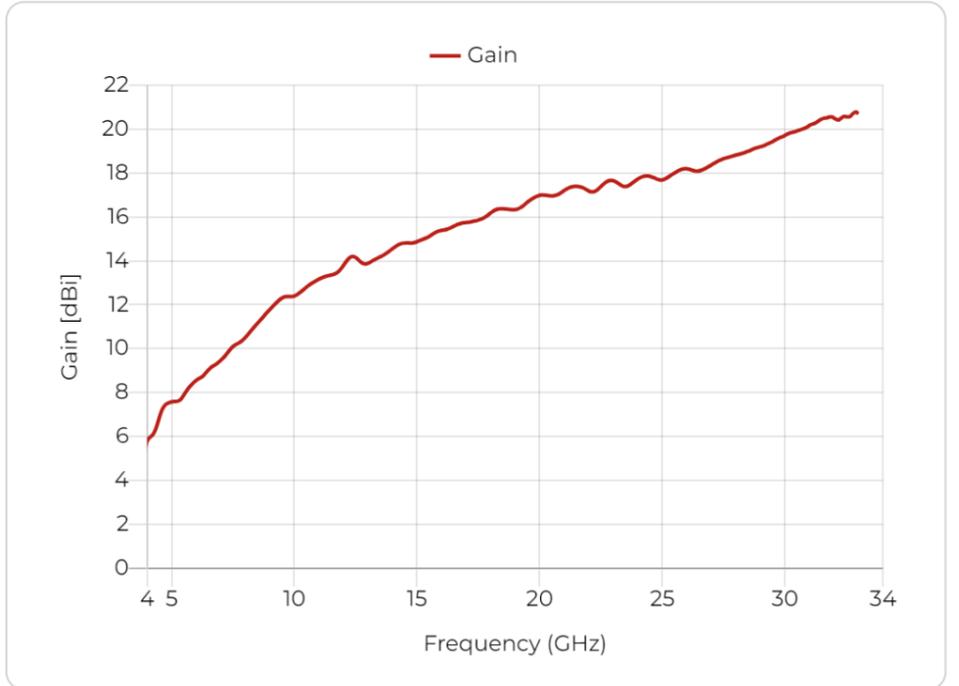
# Parameters and Performance

## Typical parameters

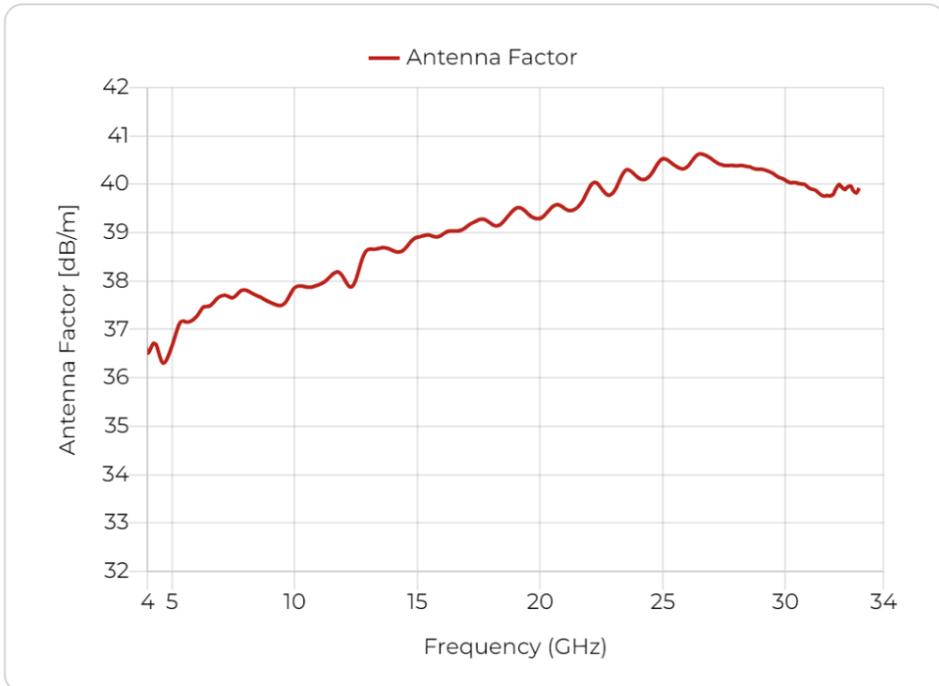
VSWR



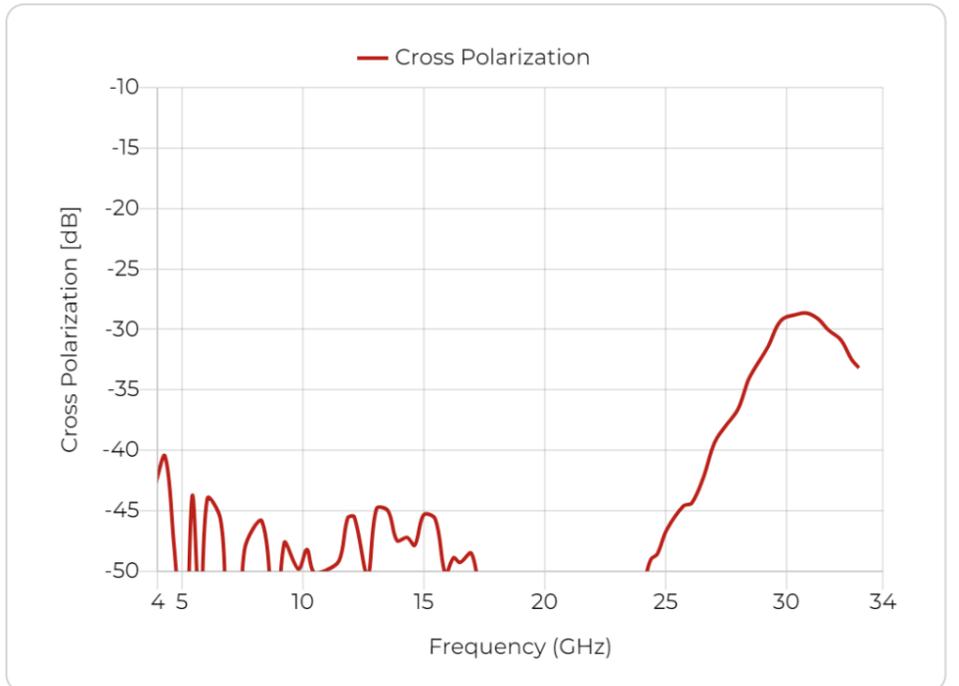
Gain



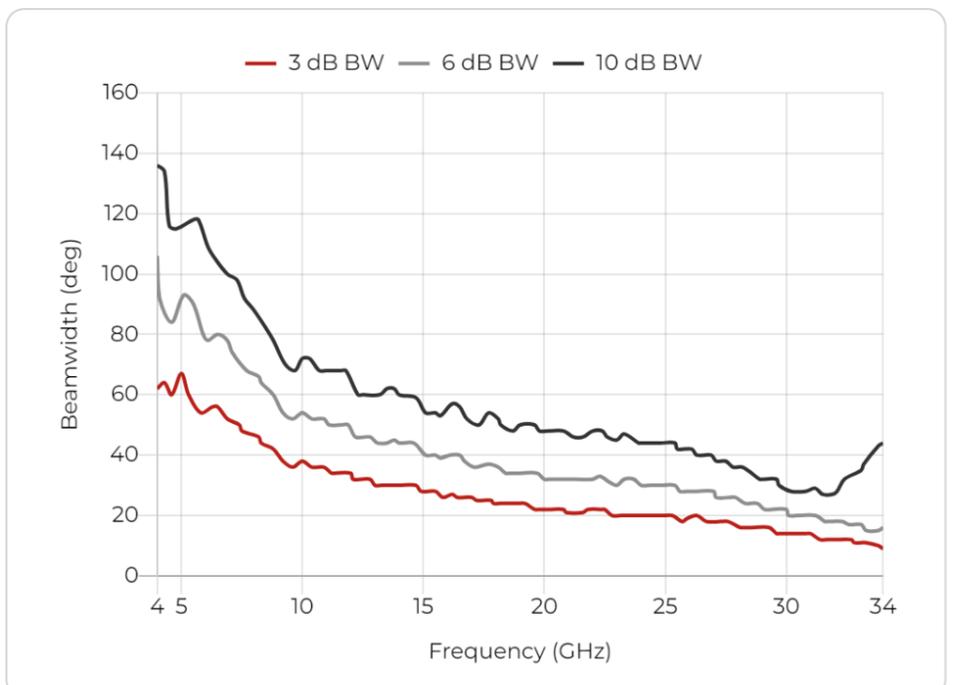
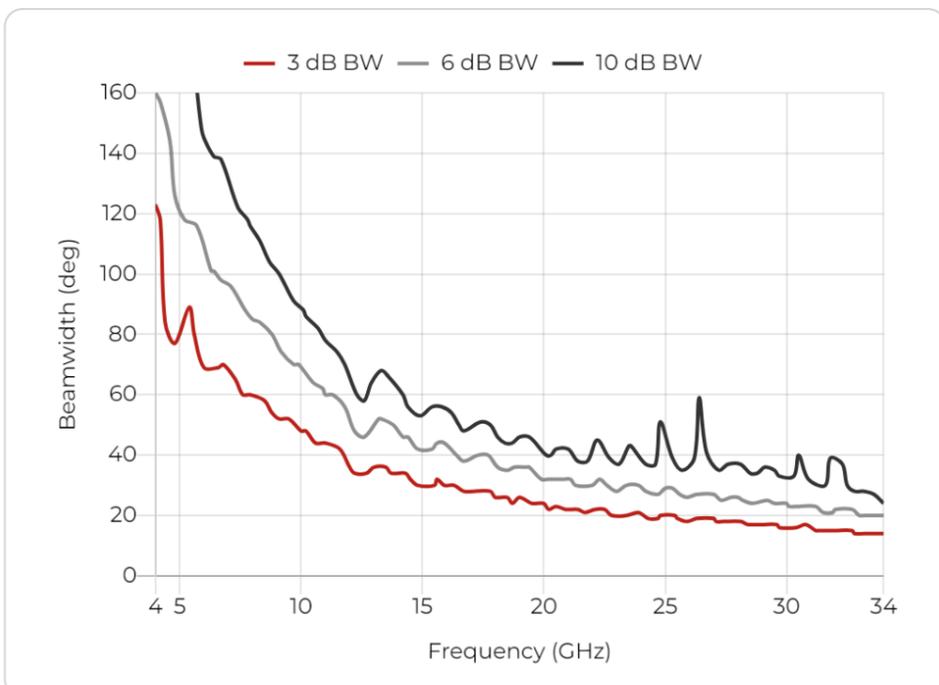
Antenna Factor



Cross Polarization

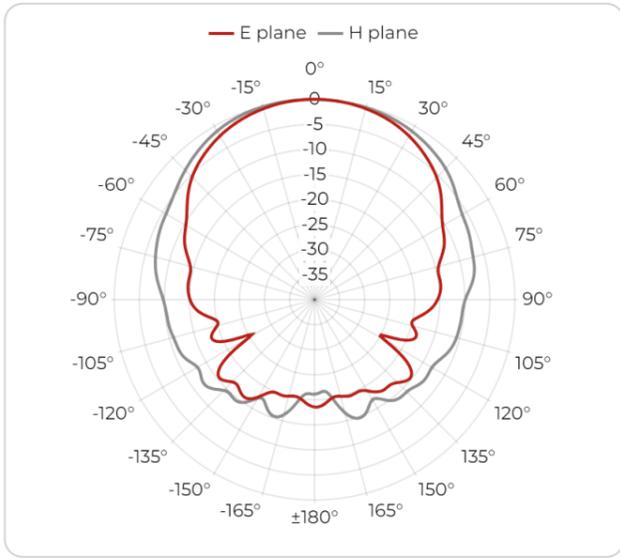


## Beamwidth

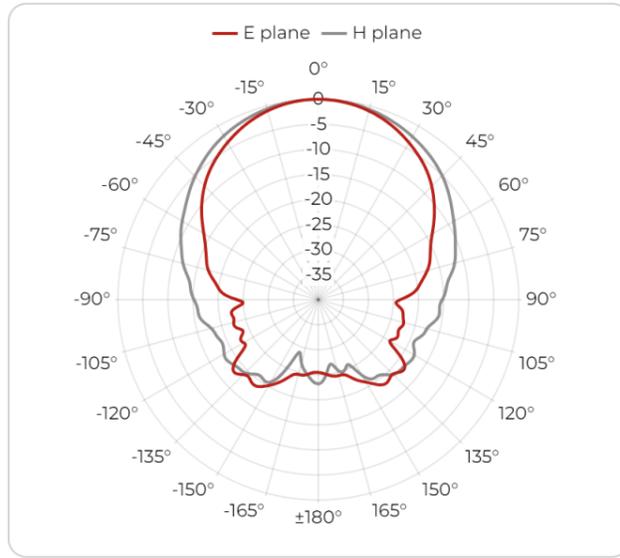


# Radiation Patterns

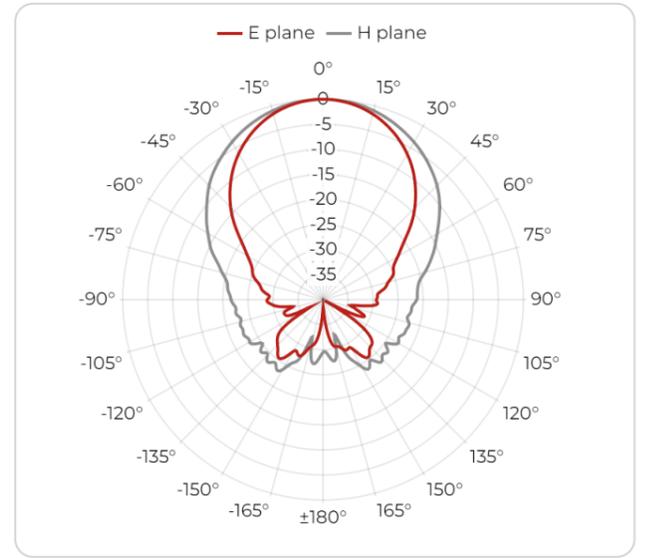
5 GHz



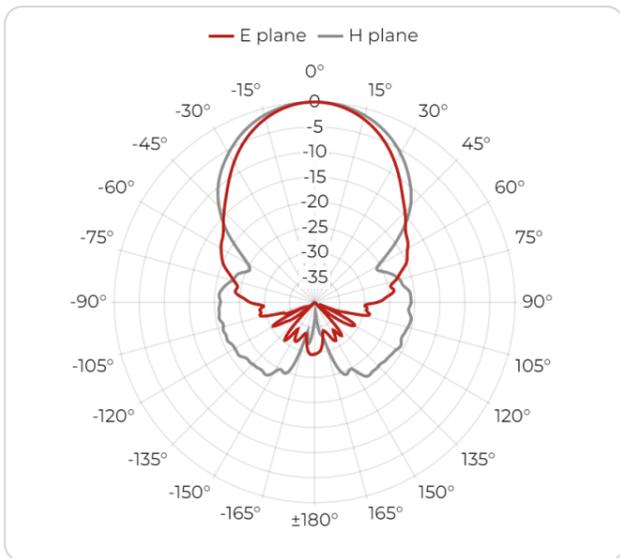
7 GHz



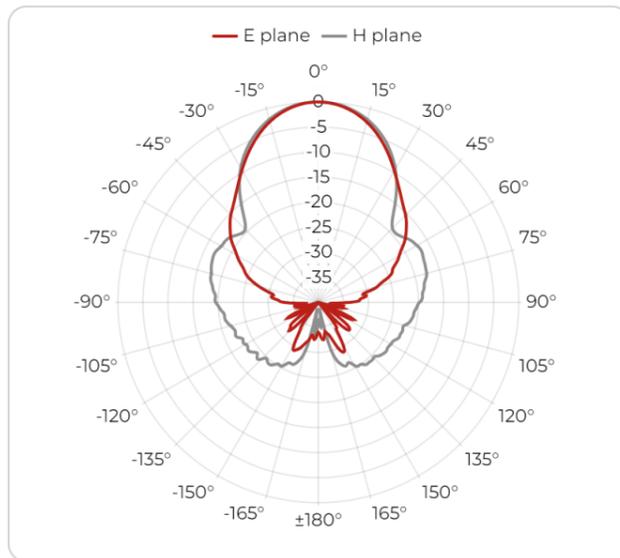
9 GHz



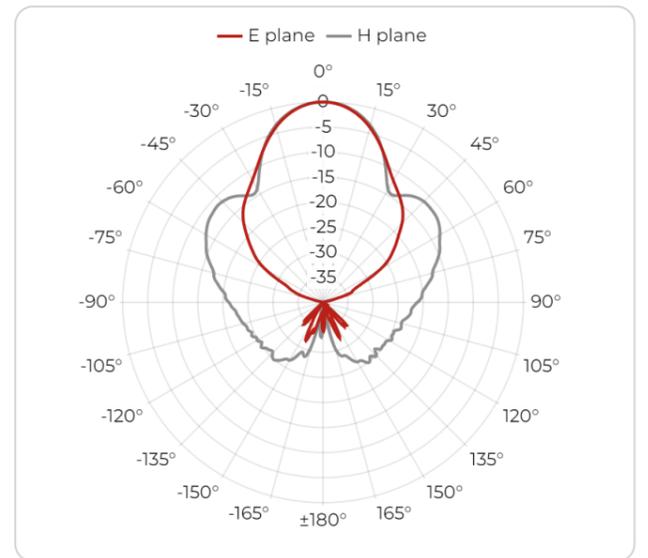
11 GHz



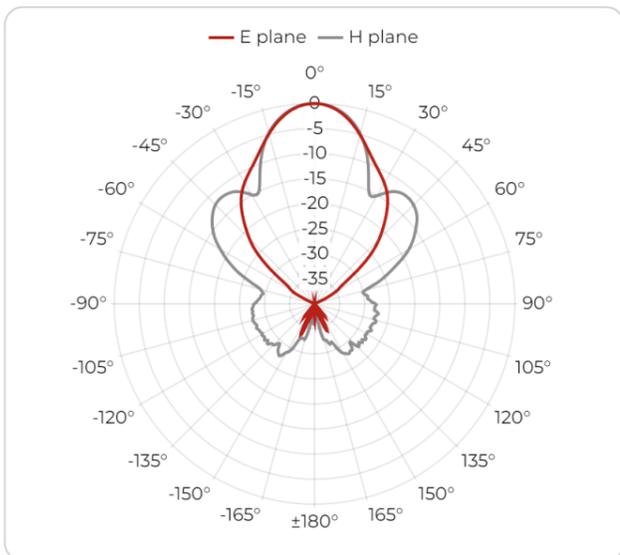
14 GHz



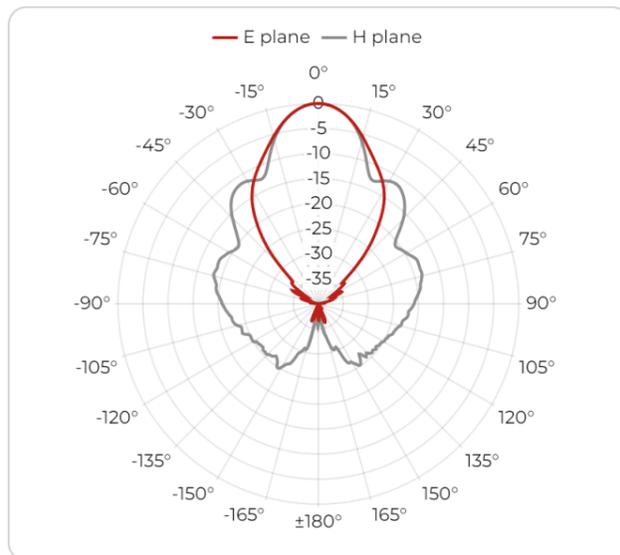
17 GHz



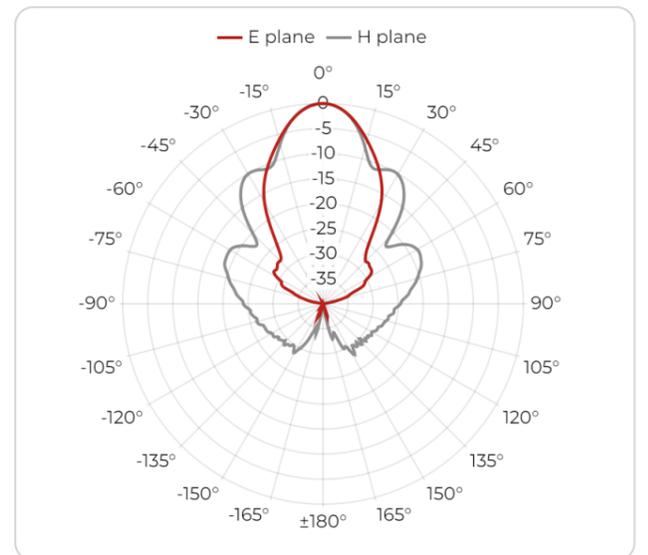
20 GHz



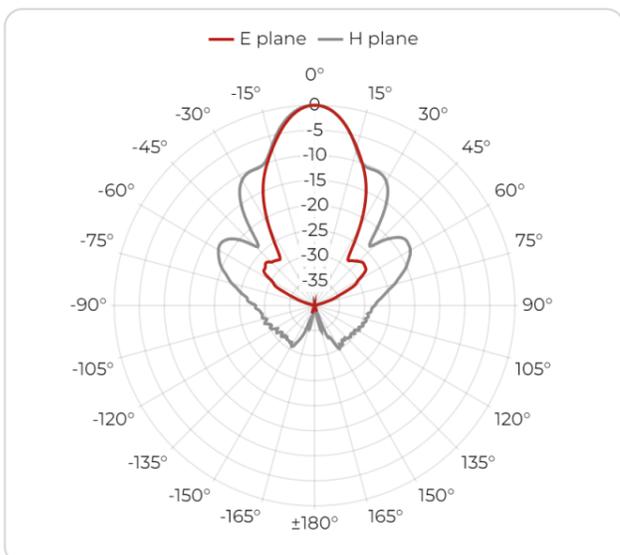
23 GHz



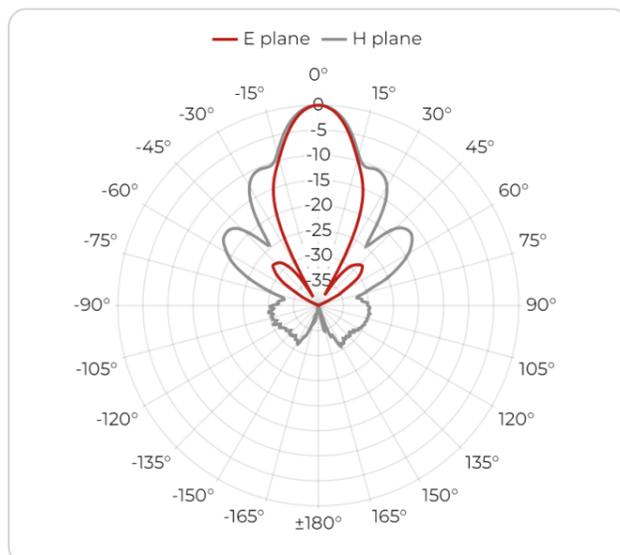
26 GHz



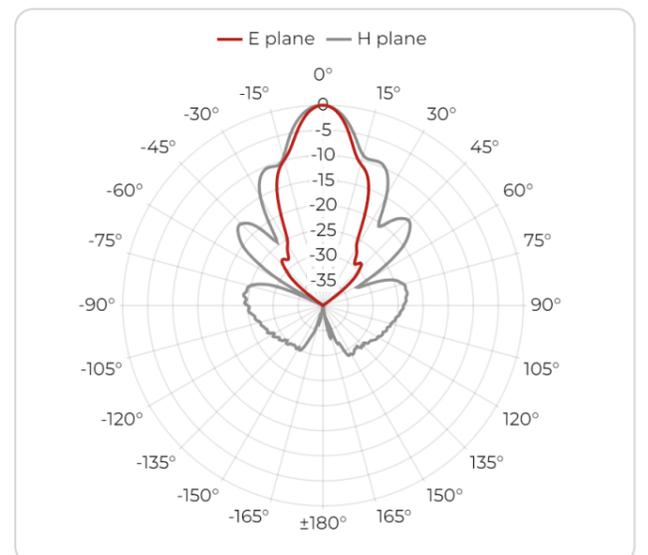
28 GHz



30 GHz



32 GHz



## Packaging and Accessories

### What's in a box

- DRH0532 Antenna
- Antenna specific mount adapter with ¼ inch inner thread
- Factory calibration certificate
- Full calibration report of each antenna
- QR code accessing online portal
- Calibration test dataset (available online)

### Accessories

- Standard mounting flange

### Optional Accessories

- [PAS2022 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/drh0532/>

*Data and specifications subject to change without notice.*

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