



DRH203, one of the biggest antennas we have. This antenna has smaller dimensions and less weight than DRH200. With a frequency from 200 MHz, this antenna is perfect for big chambers and EMC measurements.

## Features and Specifications



### Technical Performance

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



### Design and Surface Treatment

- Corrosion-resistant coating
- Includes standard mount



### Manufacturing Technology

- Manufactured using a high grade aluminum alloy
- Extremely durable
- High quality N type coaxial connector



### Product Packaging Includes

- Linear polarized double ridged broadband horn antenna
- Universal antenna mount

## Product Parameters

### PRODUCT IDENTIFICATION

Product Name	<b>DRH203</b>
Product Category	<b>Double Ridged Horn Antenna</b>

### ELECTRICAL SPECIFICATIONS

Frequency Range	<b>200 MHz – 3 GHz</b>
VSWR (max.)	<b>1.8</b>
VSWR (avg.)	<b>1.3</b>
Impedance	<b>50 Ohm</b>
Connector	<b>N (female)</b>
Power (CW / Peak)	<b>1000 W / 1500 W</b>
Antenna Factor	<b>12 – 35 dB/m</b>
Polarization	<b>Linear</b>

### PHYSICAL SPECIFICATIONS

Width	<b>710 mm (27.953 in)</b>
Height	<b>522 mm (20.551 in)</b>
Depth	<b>828 mm (32.598 in)</b>
Weight	<b>14.1 kg (31.085 lb)</b>

### OPERATING CONDITIONS

Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>

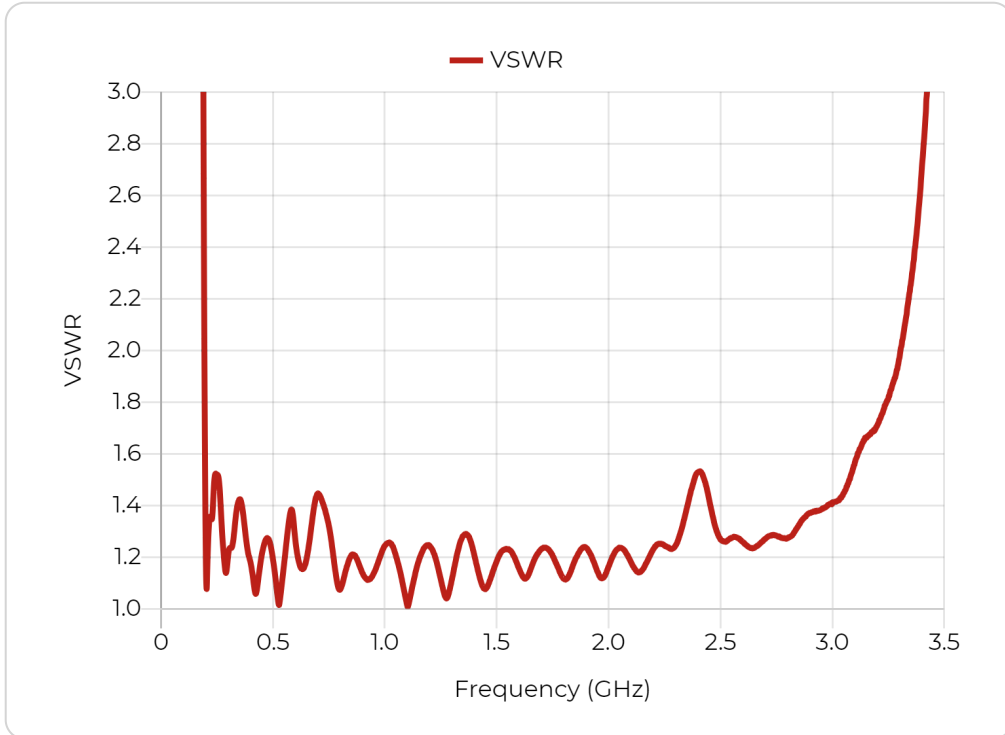
### MOUNTING FLANGE

Mounting	<b>Universal antenna mount</b>
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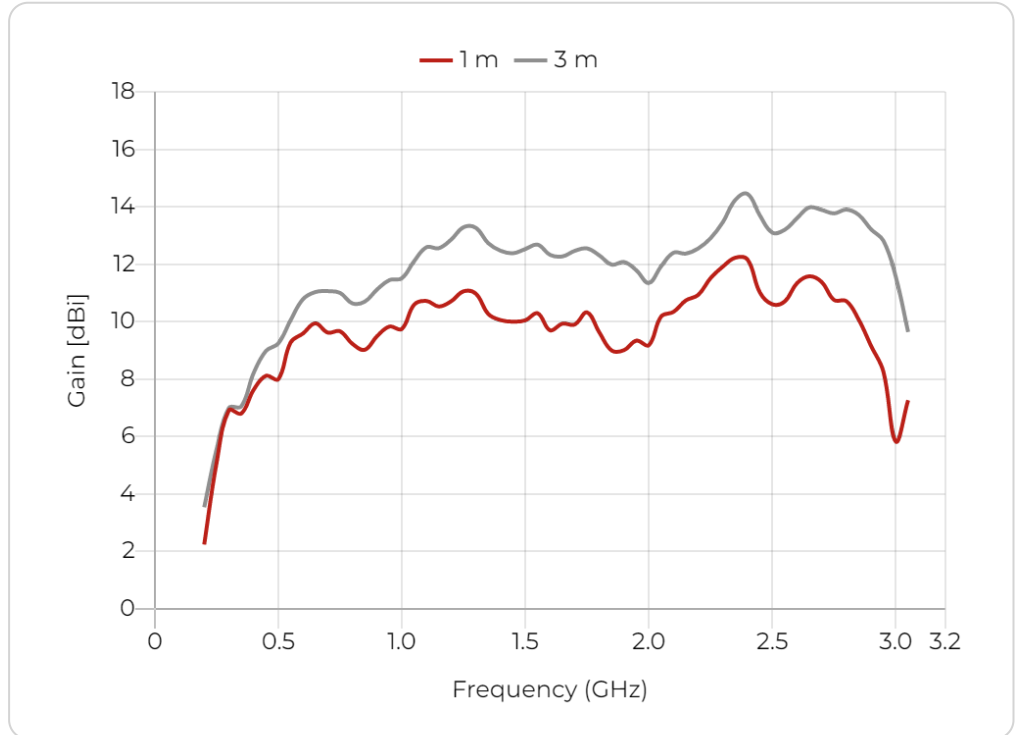
# Parameters and Performance

## Typical parameters

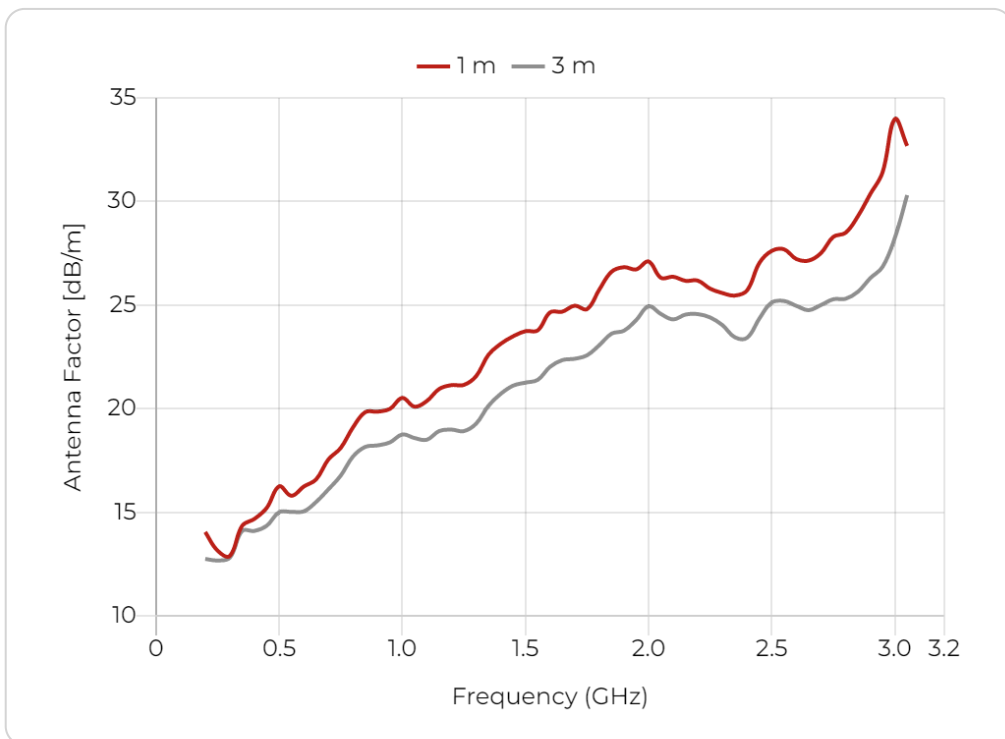
VSWR



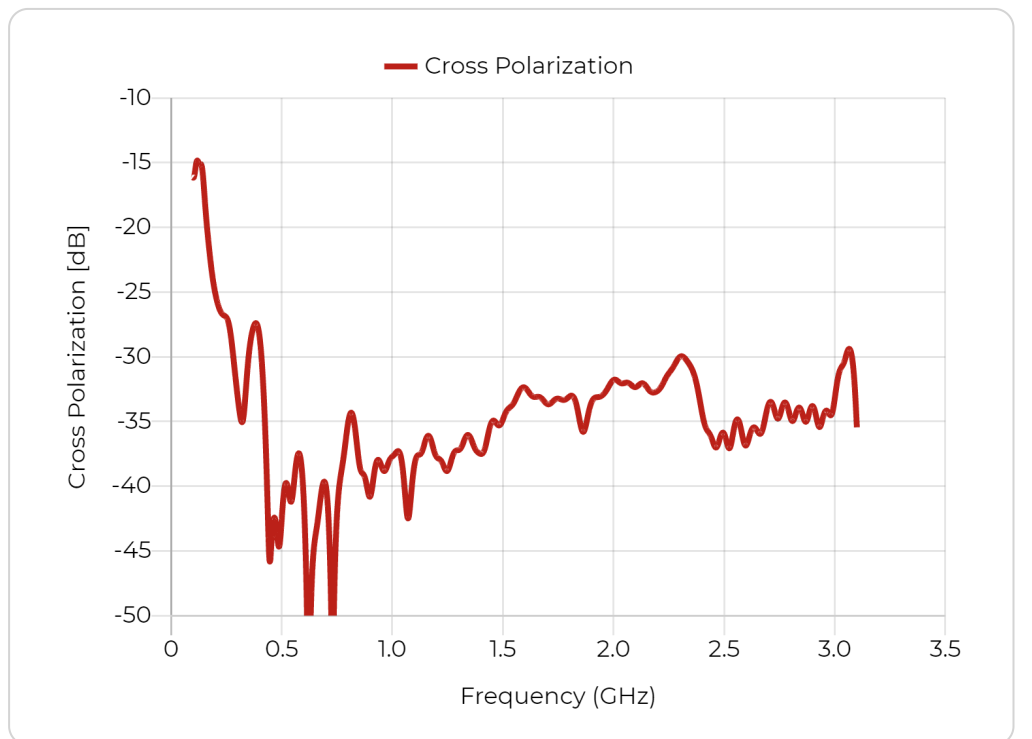
Gain



Antenna Factor

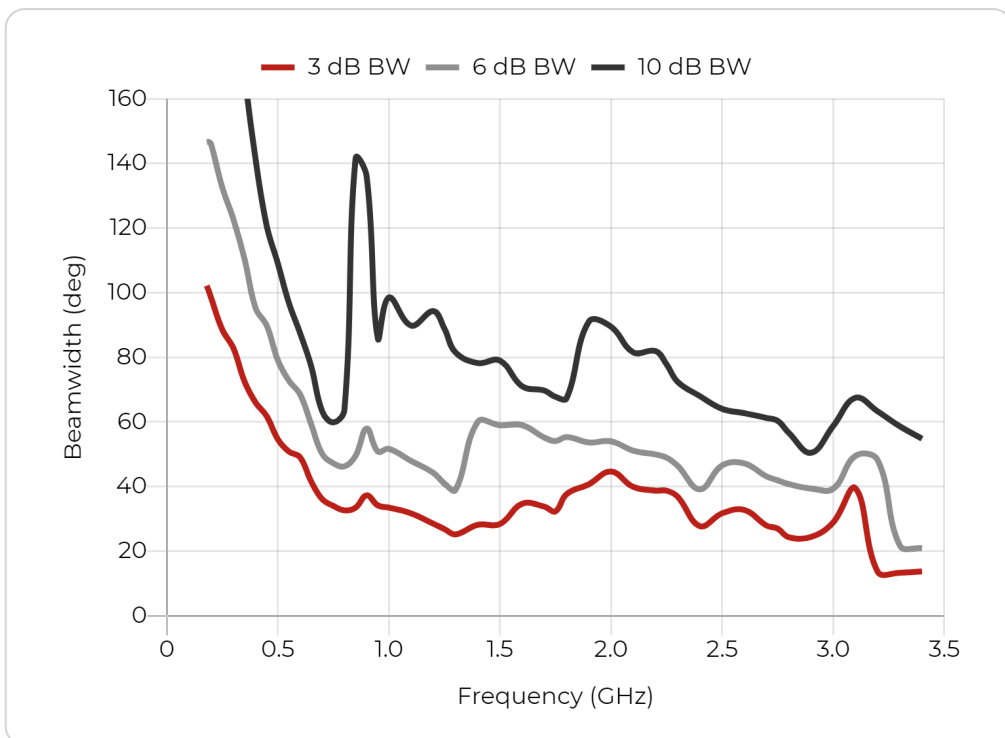


Cross Polarization

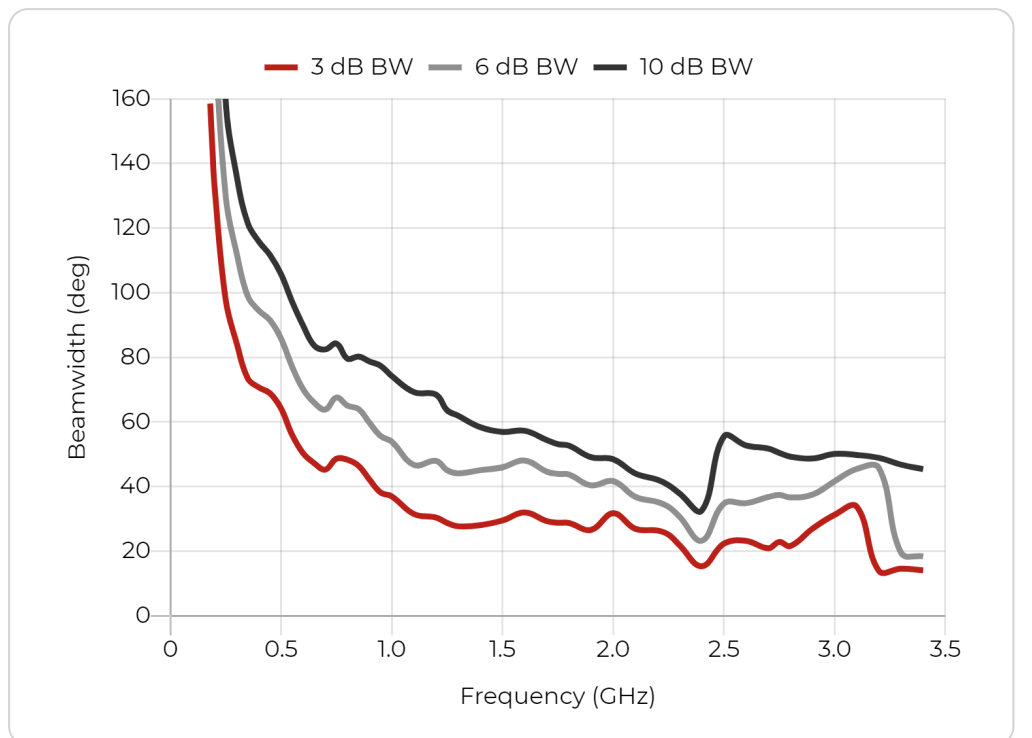


## Beamwidth

Port A, E plane

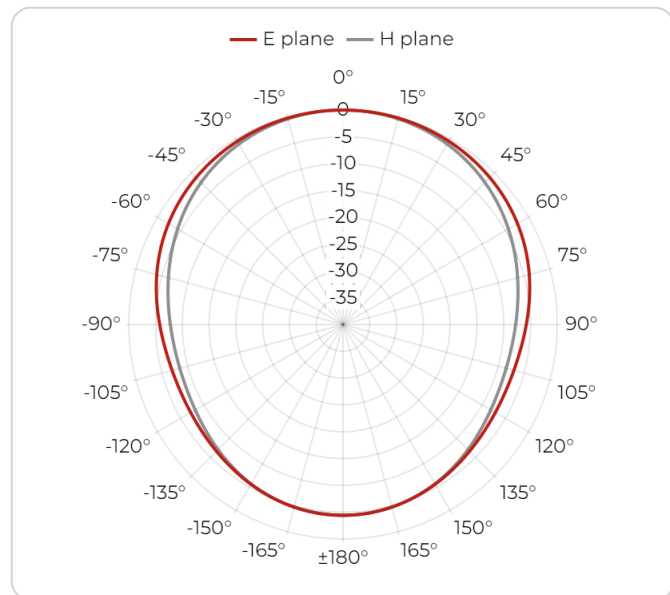


Port A, H plane

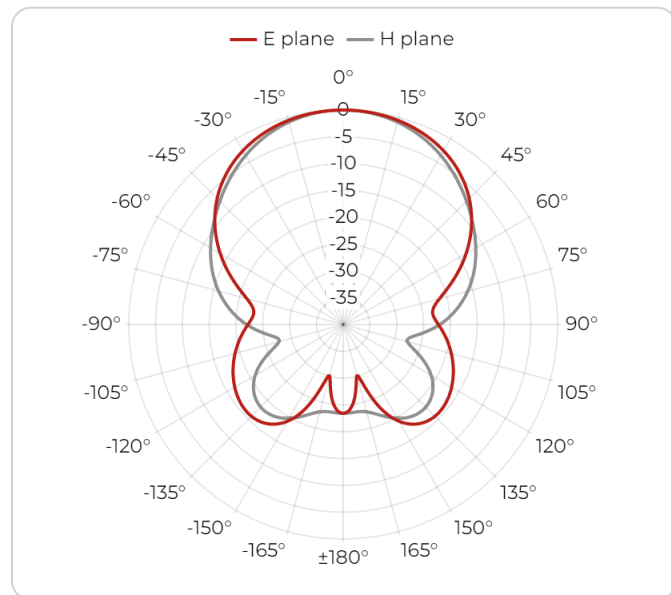


# Radiation Patterns

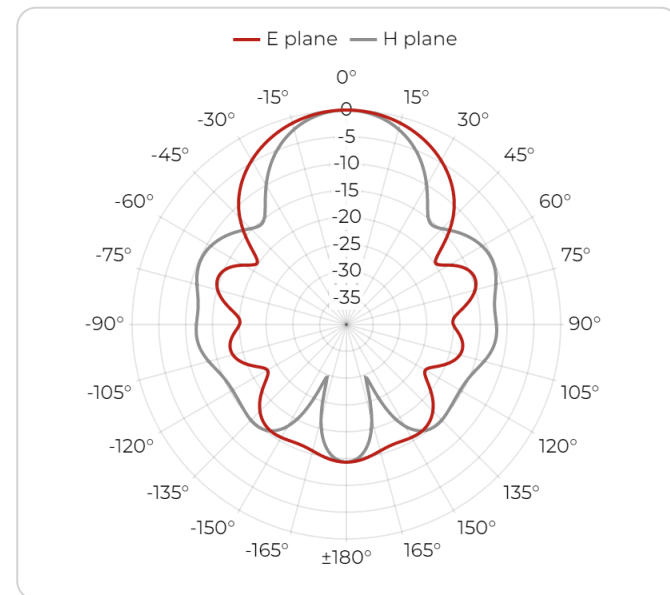
0.2 GHz



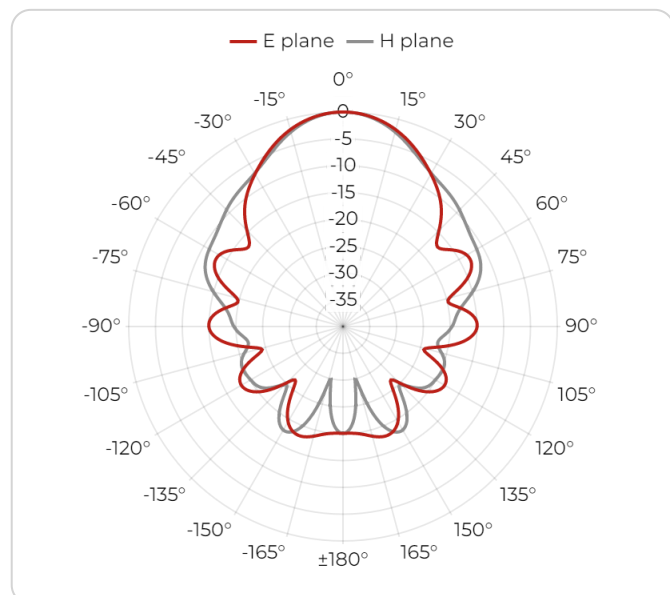
0.5 GHz



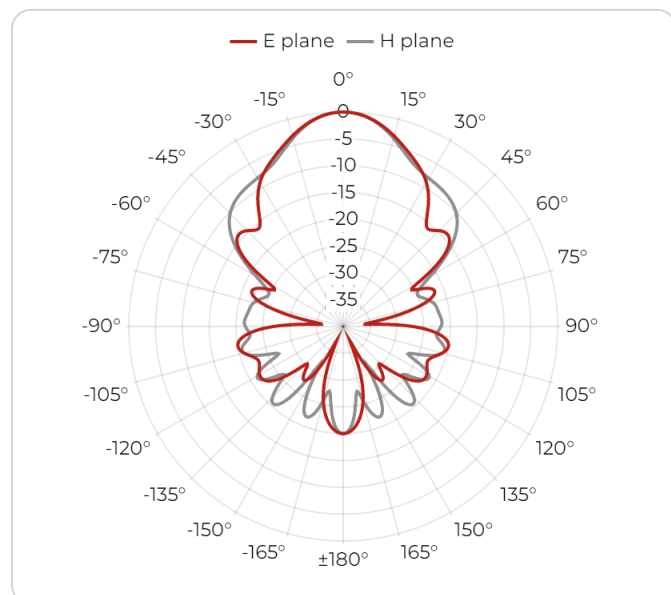
0.75 GHz



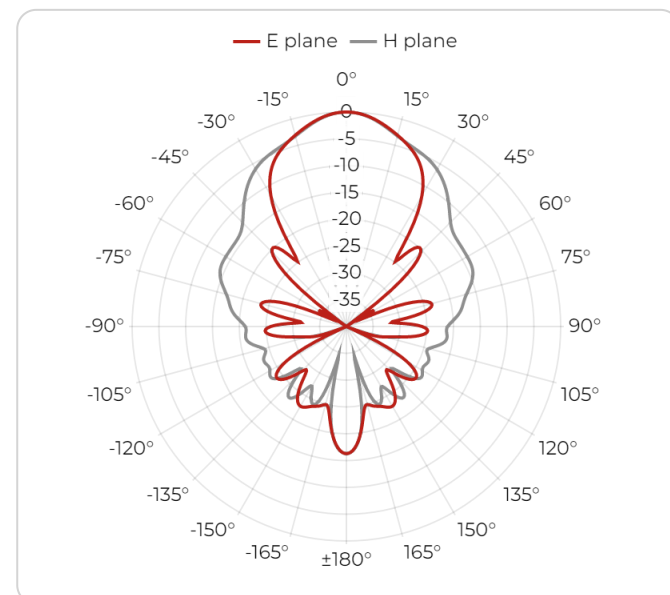
1 GHz



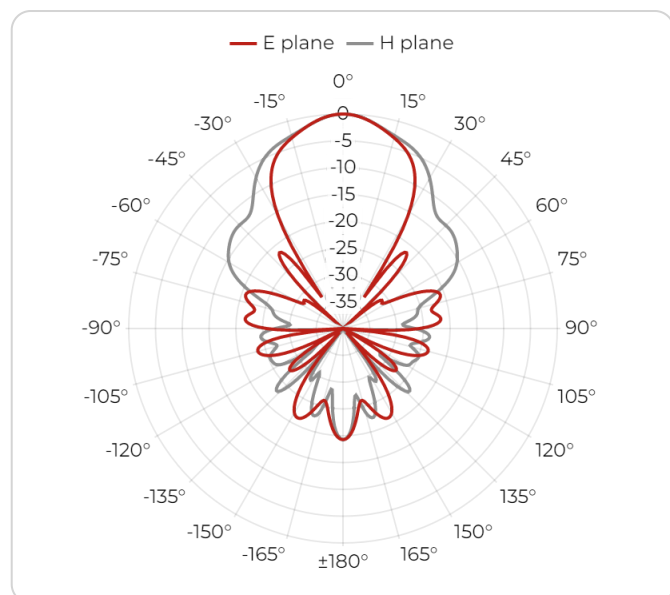
1.25 GHz



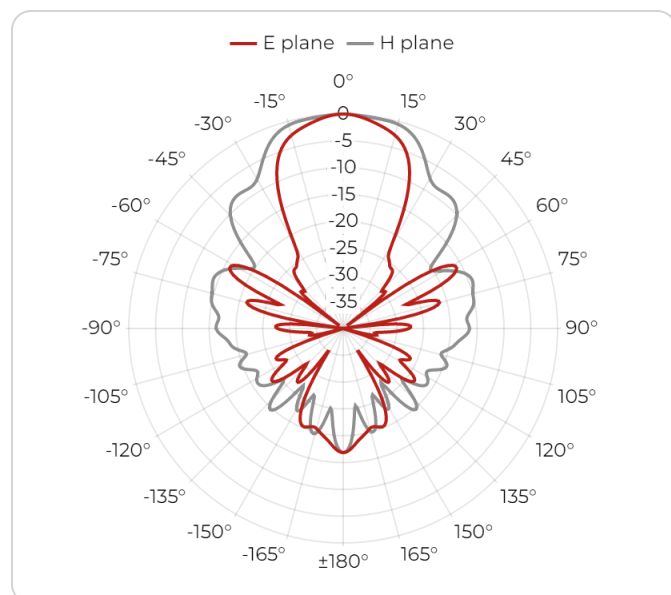
1.5 GHz



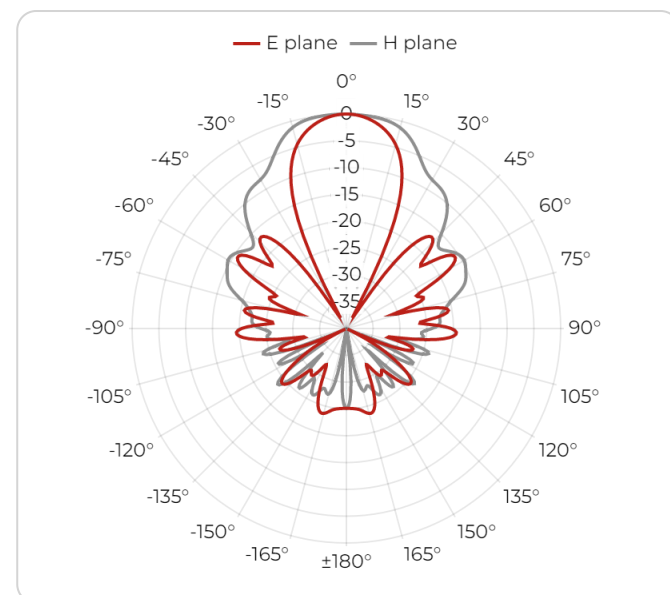
1.75 GHz



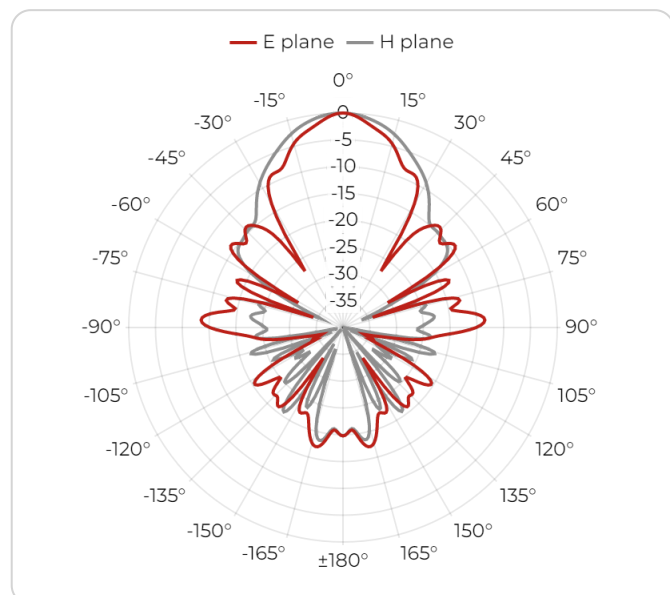
2 GHz



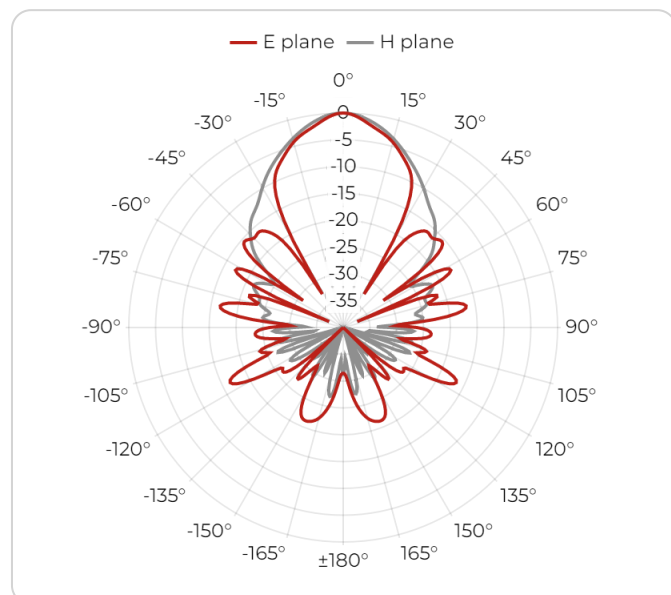
2.25 GHz



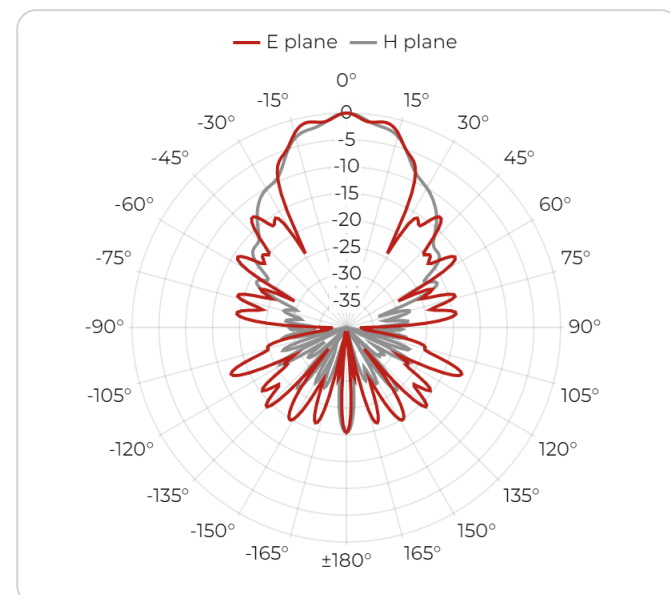
2.5 GHz



2.75 GHz



3 GHz



## Packaging and Accessories

### What's in a box

- DRH203 Antenna
- 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

- [FAS01 Antenna Stand](#)
- [PAS01 Antenna Stand](#)

### Custom services

- Custom mounting solutions
- Custom calibration data

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/drh203/>

*Data and specifications subject to change without notice.*

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