



DRH200 is our largest caliber. This antenna is almost one meter wide and weighs almost 16kg! With a frequency from 180 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



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	DRH200
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	180 MHz – 2.2 GHz
VSWR (max.)	1.6
VSWR (avg.)	1.2
Impedance	50 Ohm
Connector	N (female)
Power (CW / Peak)	1500 W / 1900 W
Antenna Factor	9 – 26 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	997 mm (39.252 in)
Height	998 mm (39.291 in)
Depth	773 mm (30.433 in)
Weight	15.8 kg (34.833 lb)

OPERATING CONDITIONS

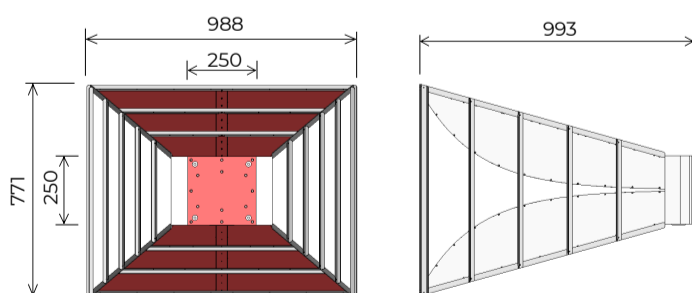
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

Mounting	Universal antenna mount
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Mechanical Drawings

Antenna

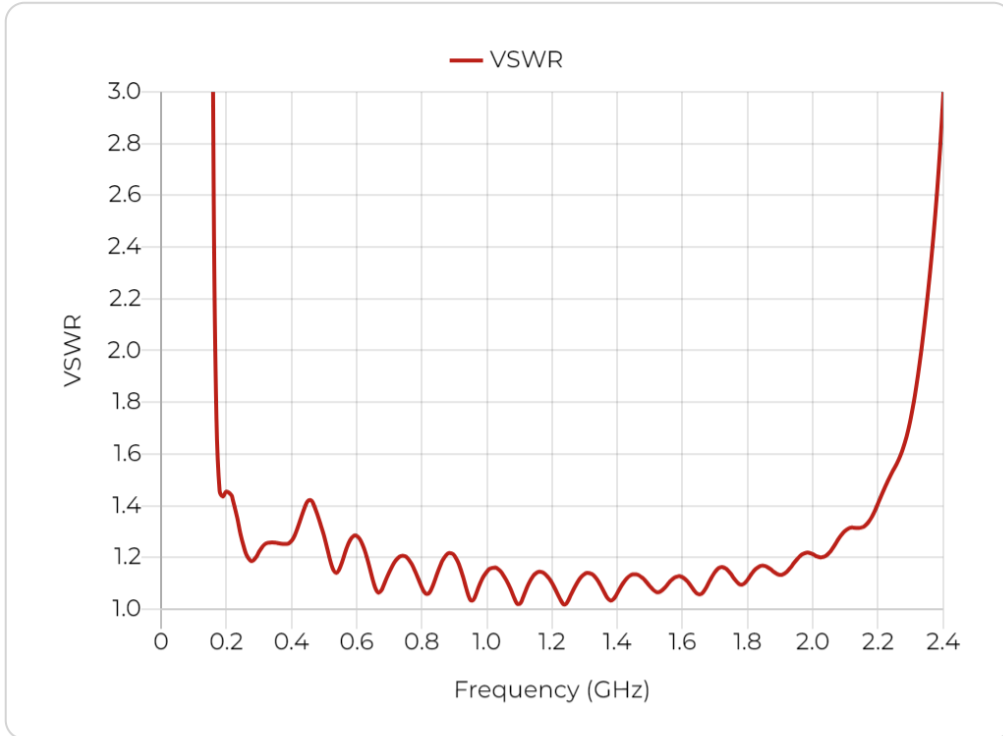


Mounting flange

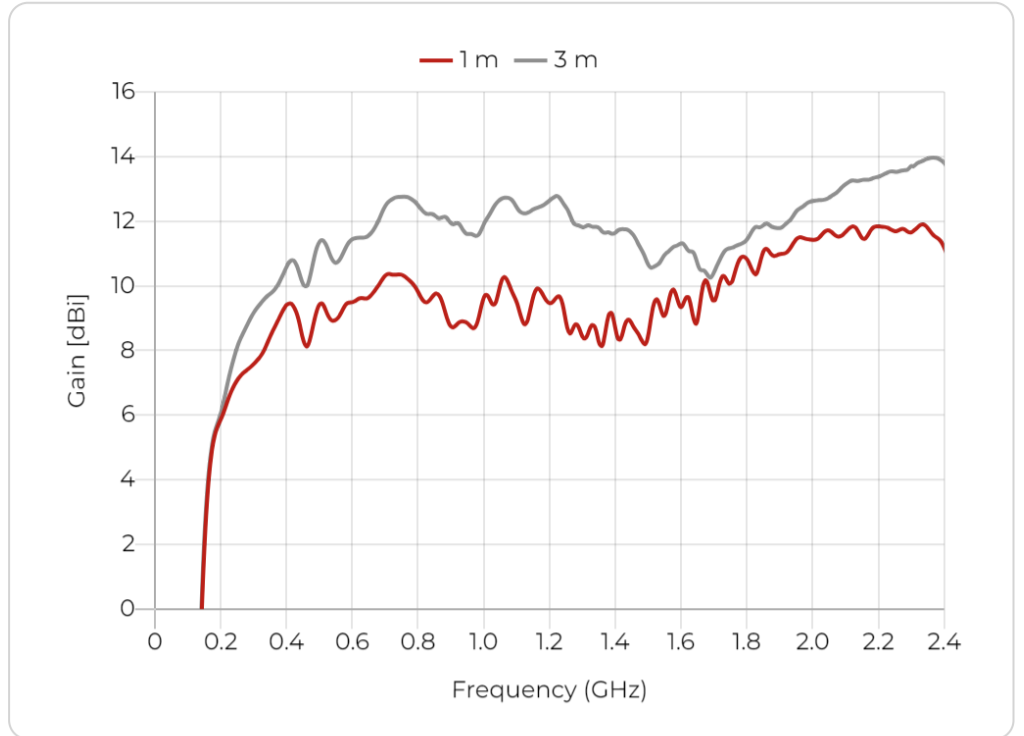
Parameters and Performance

Typical parameters

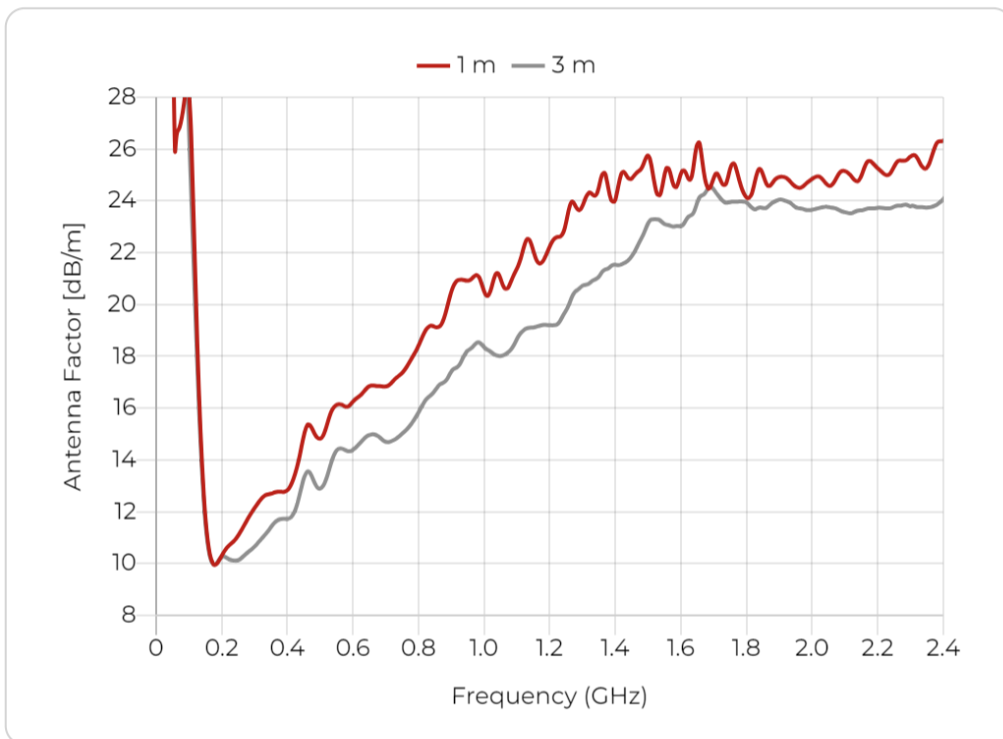
VSWR



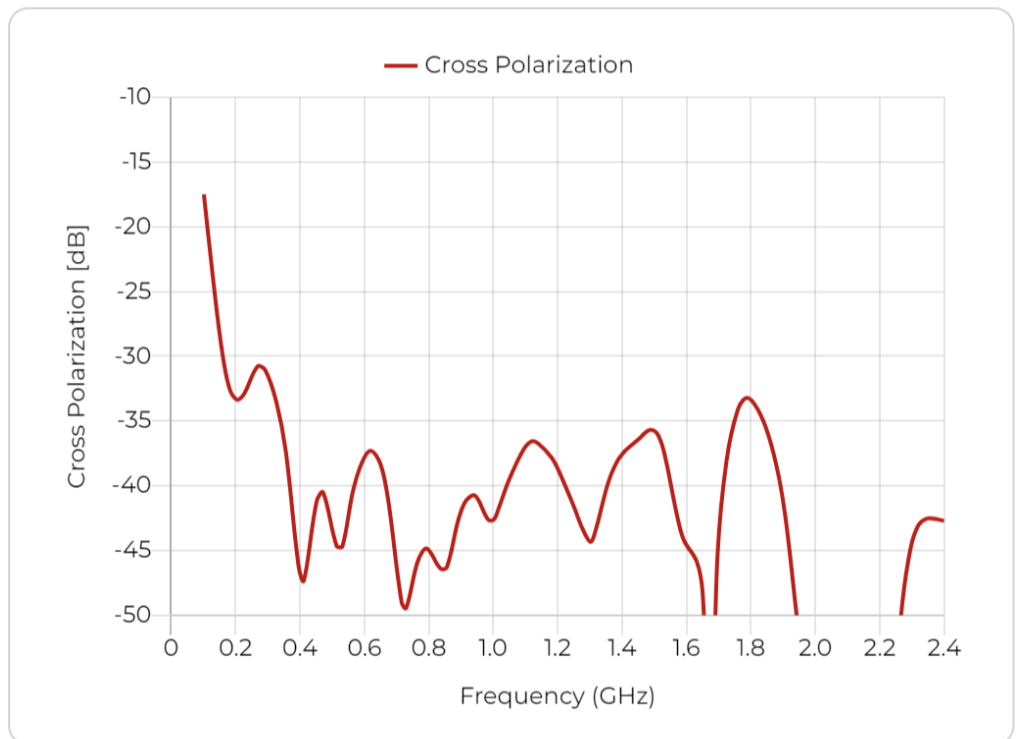
Gain



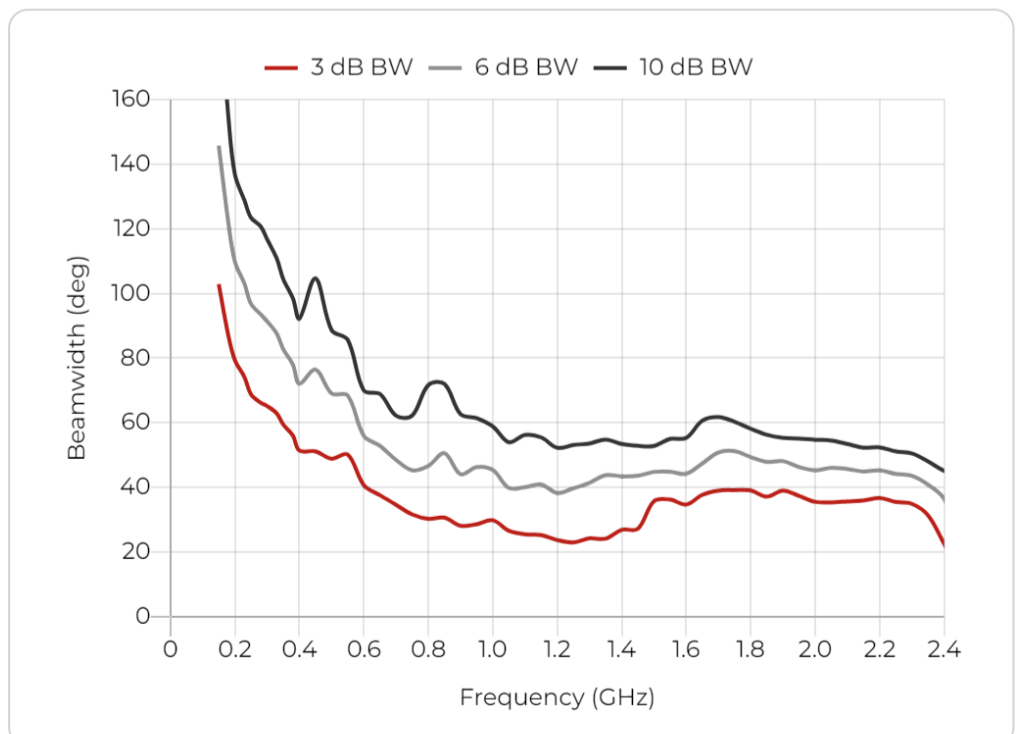
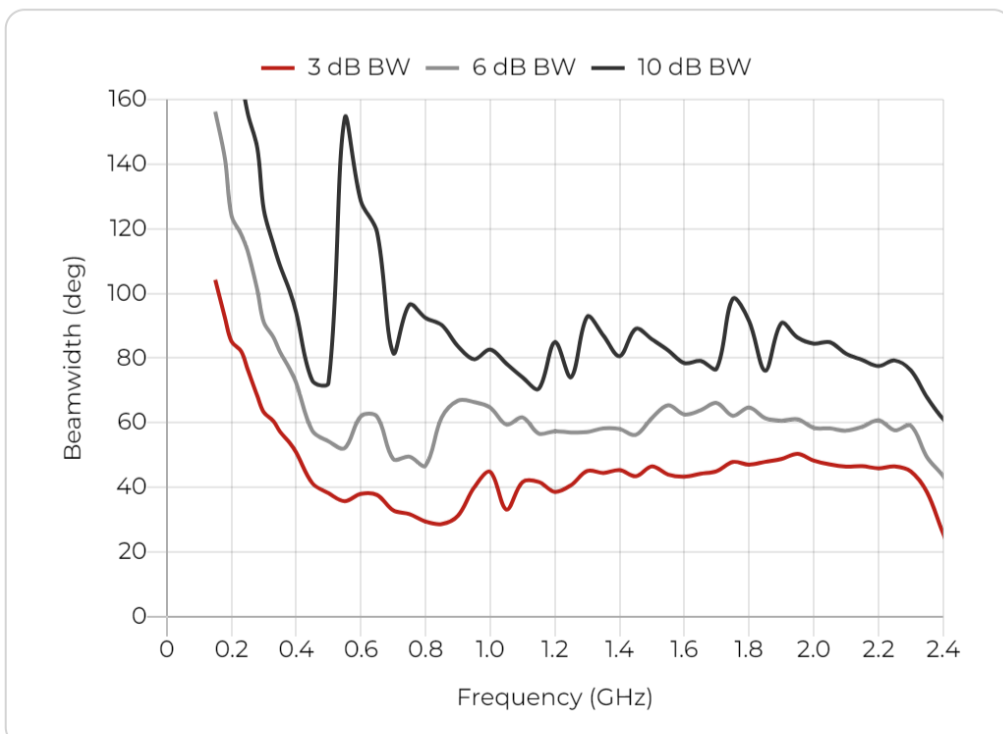
Antenna Factor



Cross Polarization

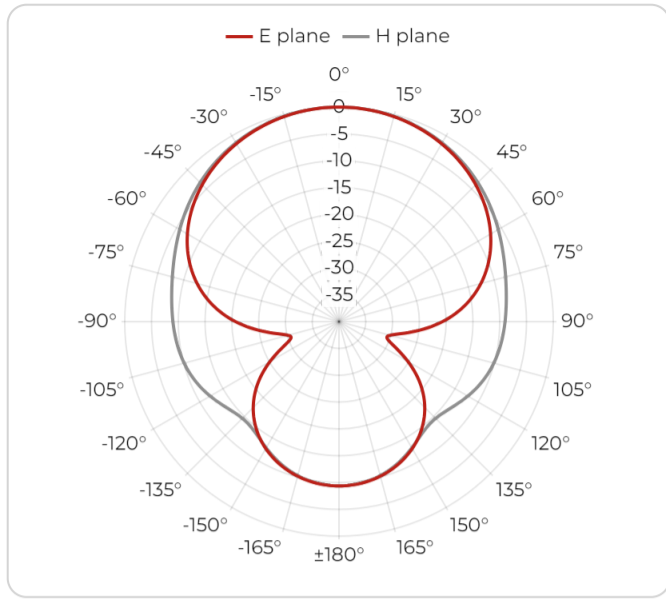


Beamwidth

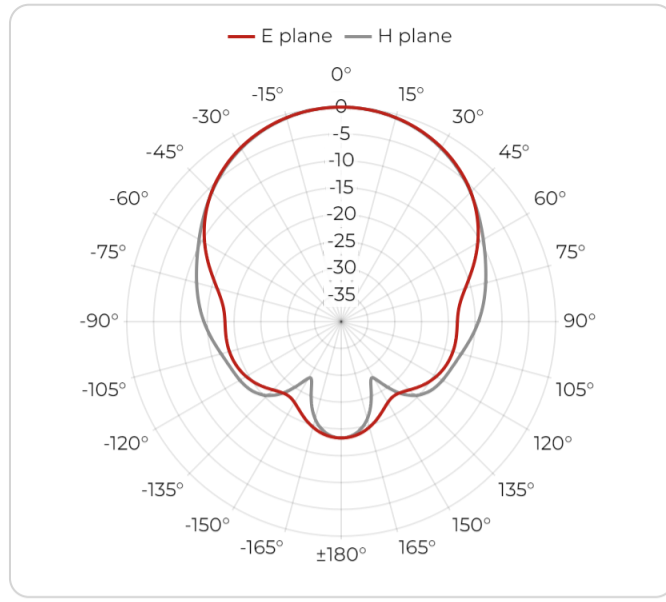


Radiation Patterns

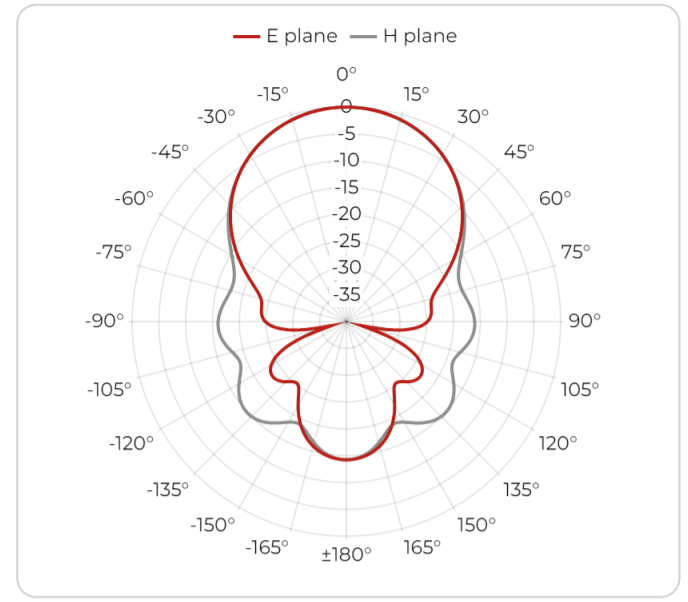
0.2 GHz



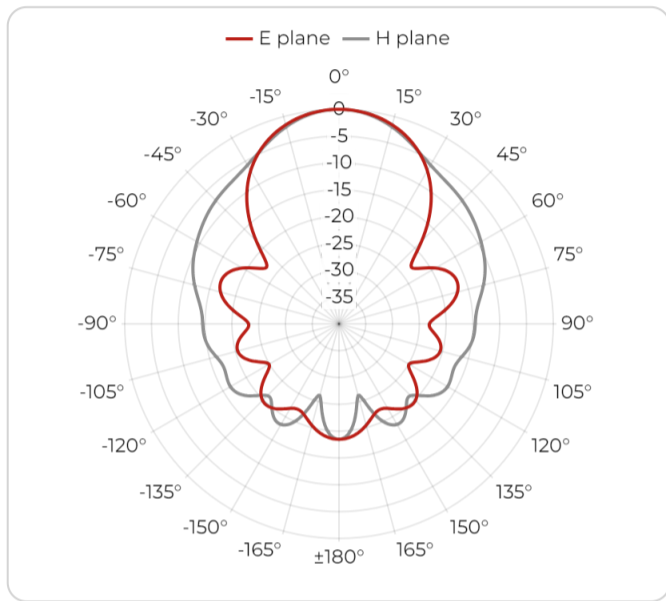
0.3 GHz



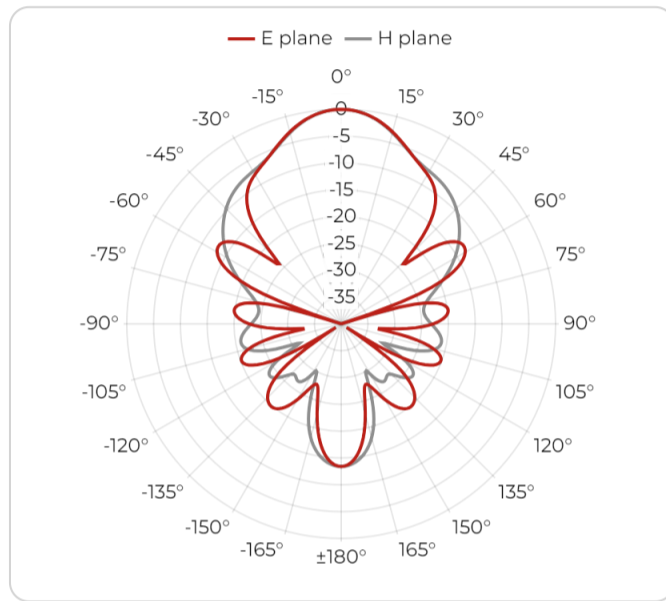
0.4 GHz



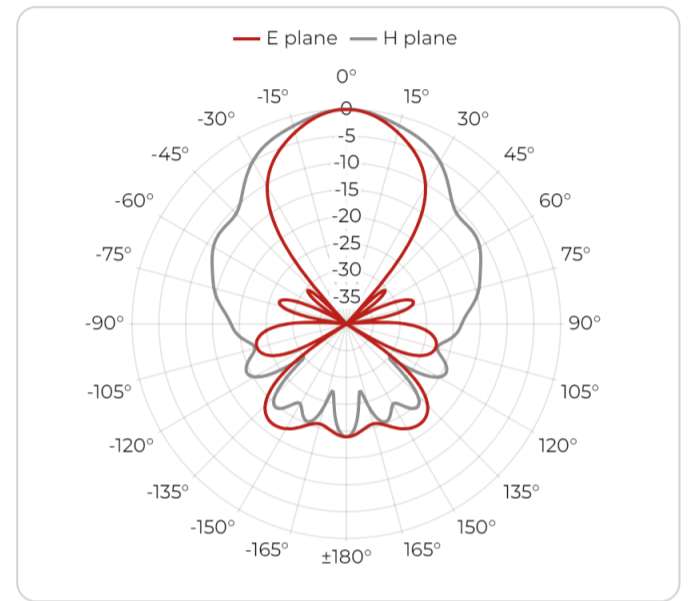
0.6 GHz



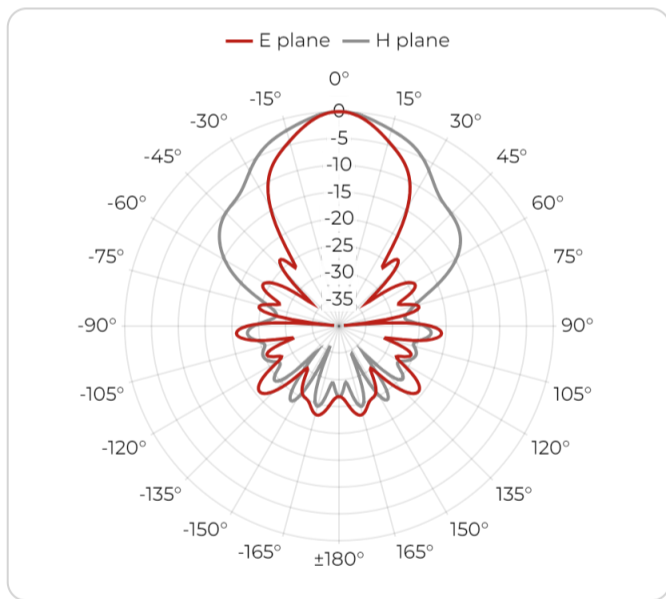
0.8 GHz



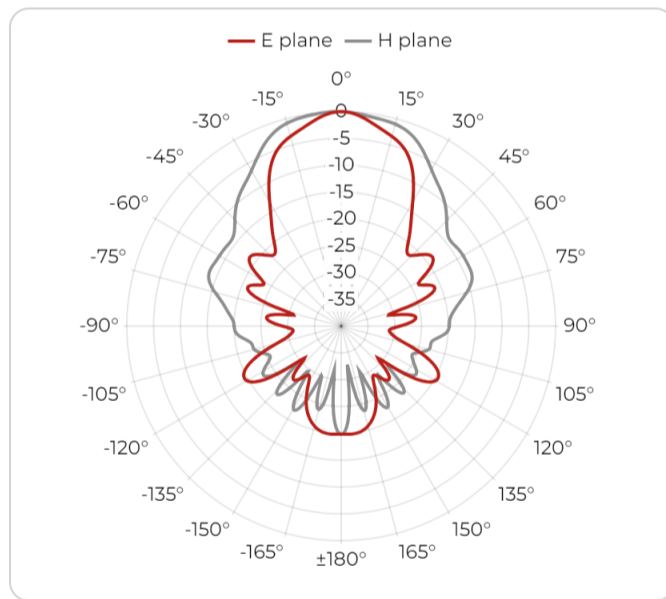
1 GHz



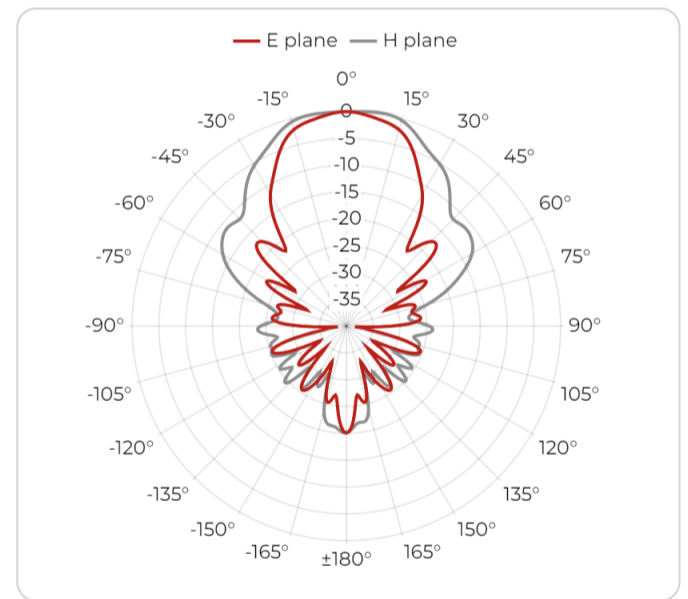
1.2 GHz



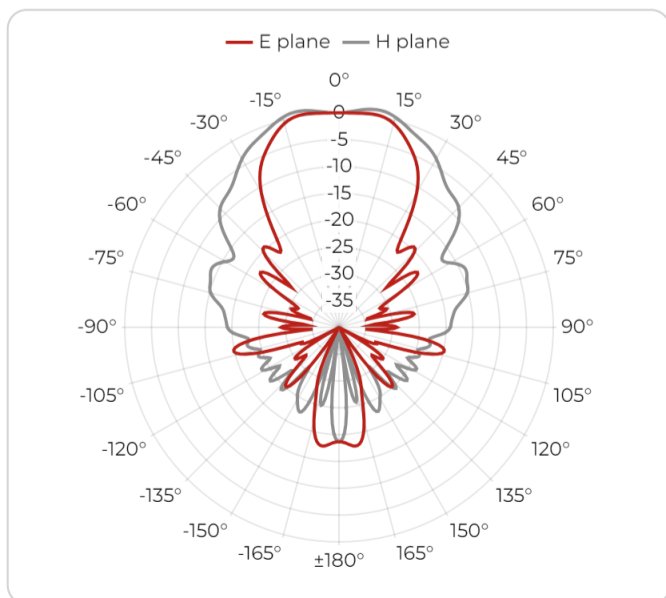
1.4 GHz



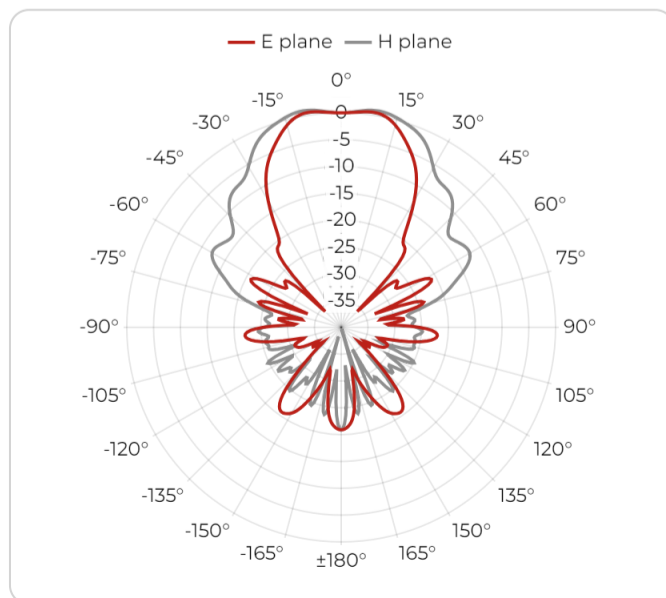
1.6 GHz



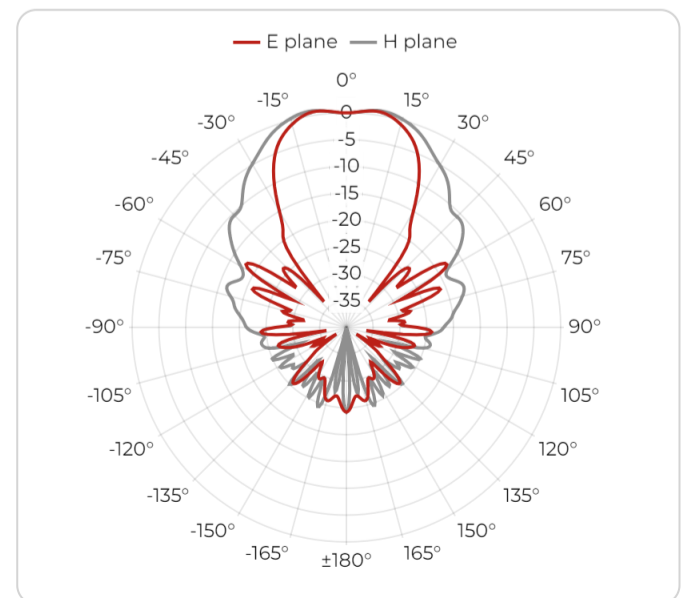
1.8 GHz



2 GHz



2.2 GHz



Packaging and Accessories

What's in a box

- DRH200 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/drh200/>

Data and specifications subject to change without notice.

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