



The addition of a spirit level is a matter of course, thanks to which your measurement in both planes will be very accurate and fun.

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.



See the equivalent outdoor antenna [DRH10R](#)

Features and Specifications



Technical Performance

- Wide bandwidth
- Low return loss
- Individual calibration



Design and Surface Treatment

- Corrosion-resistant coating
- Includes standard mount
- Very precise spirit level



Manufacturing Technology

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



Product Packaging Includes

- Adapter with 1/4 inch inner thread, supplied with antenna
- Linear polarized double ridged broadband horn antenna

Product Parameters

PRODUCT IDENTIFICATION

Product Name	DRH10
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	740 MHz – 10.5 GHz
VSWR (max.)	1.8
VSWR (avg.)	1.25
Impedance	50 Ohm
Connector	N (female)
Power (CW / Peak)	150 W / 250 W
Antenna Factor	23 – 35 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	204 mm (8.031 in)
Height	242 mm (9.528 in)
Depth	148 mm (5.827 in)
Weight	1.24 kg (2.734 lb)

OPERATING CONDITIONS

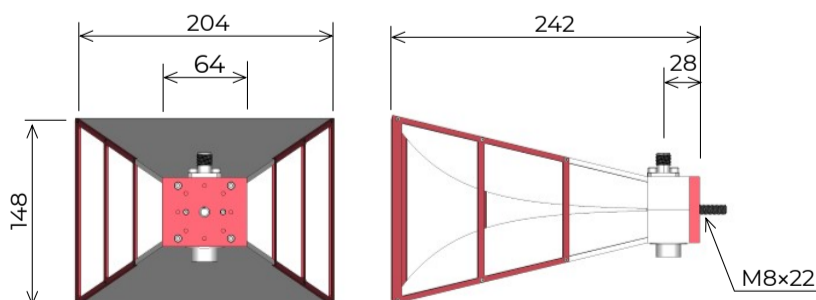
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

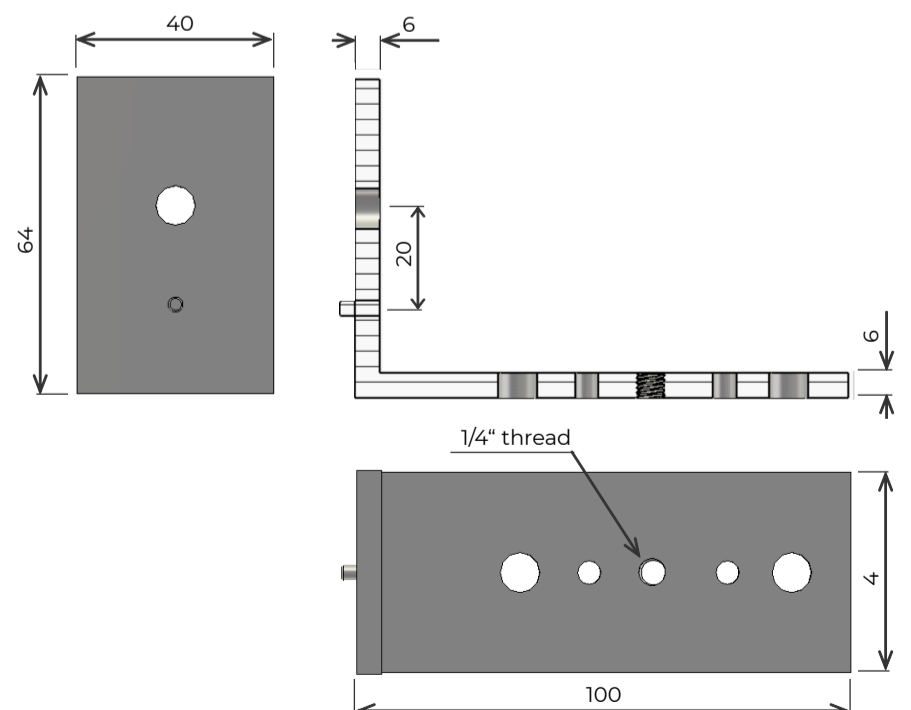
Mounting	Adapter with 1/4 inch inner thread, supplied with antenna
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Mechanical Drawings

Antenna



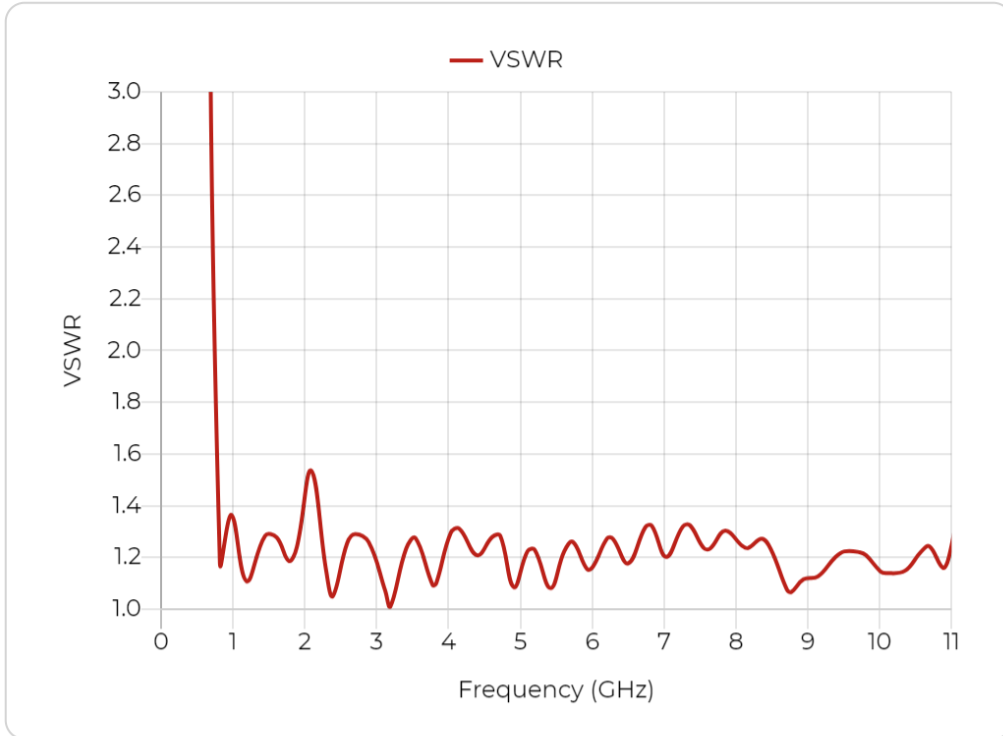
Mounting flange



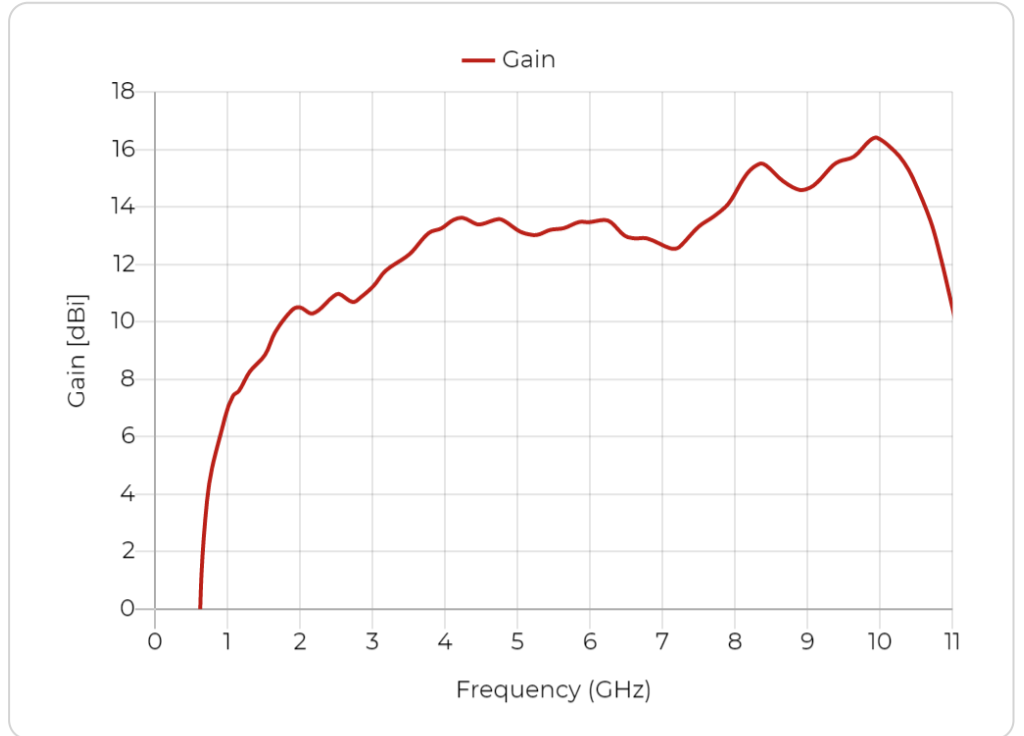
Parameters and Performance

Typical parameters

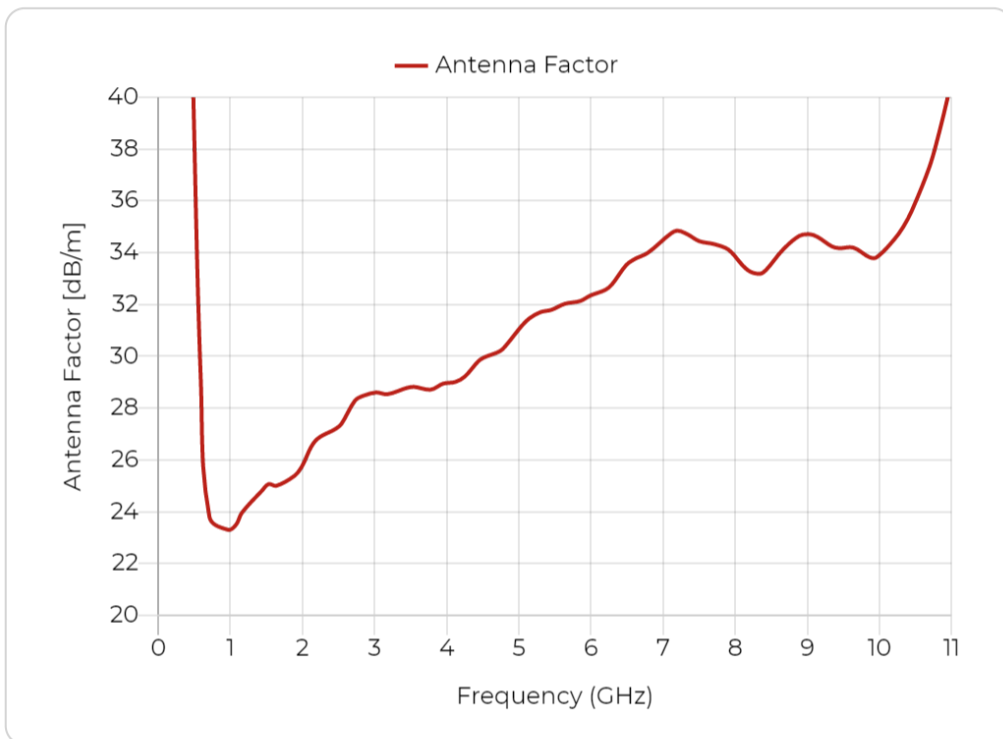
VSWR



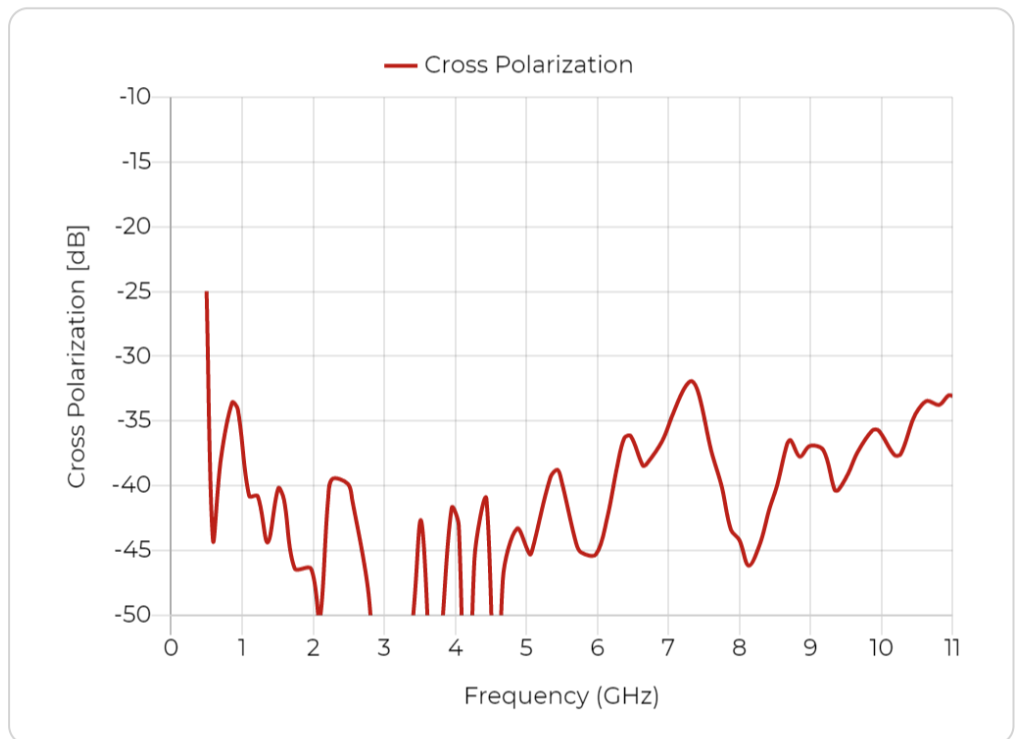
Gain



Antenna Factor

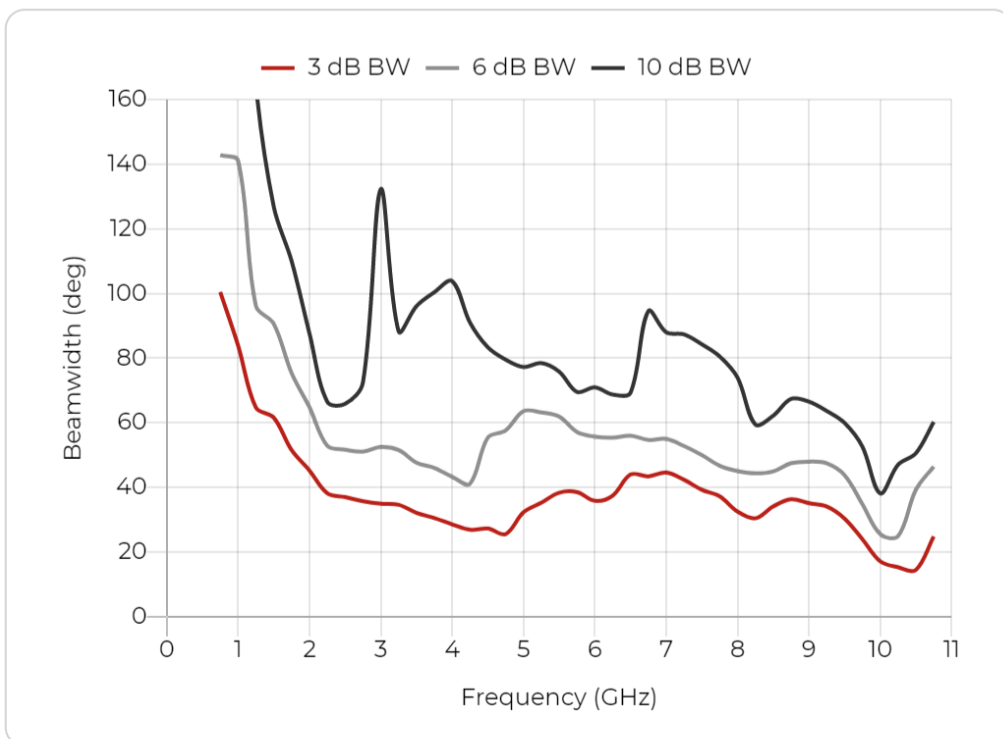


Cross Polarization

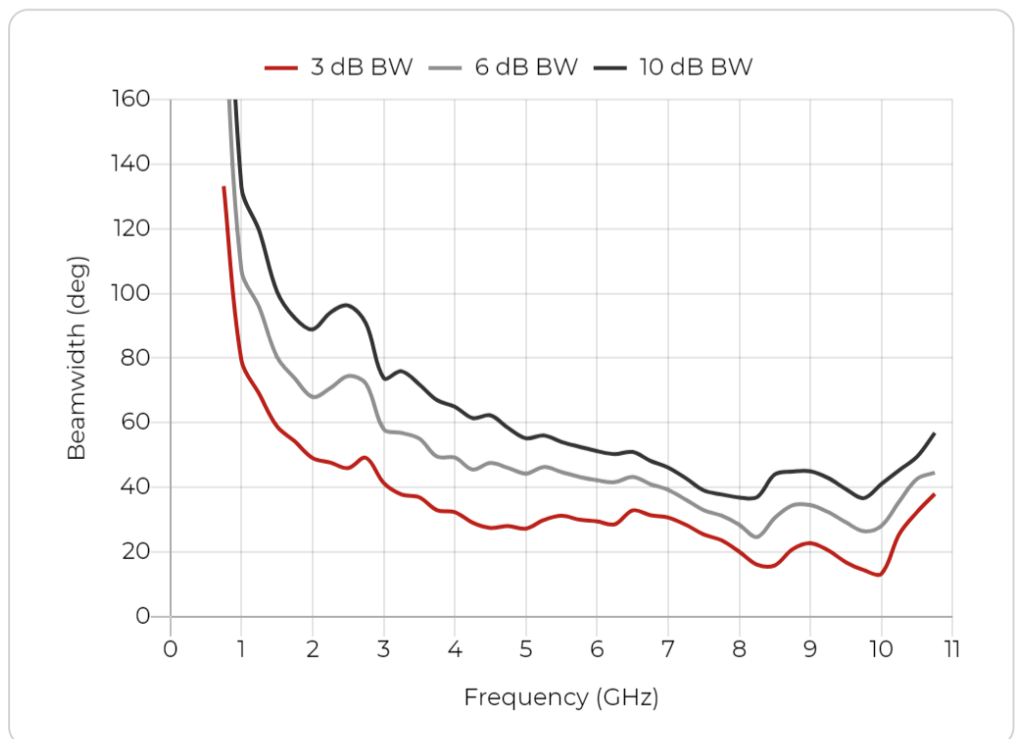


Beamwidth

Port A, E plane

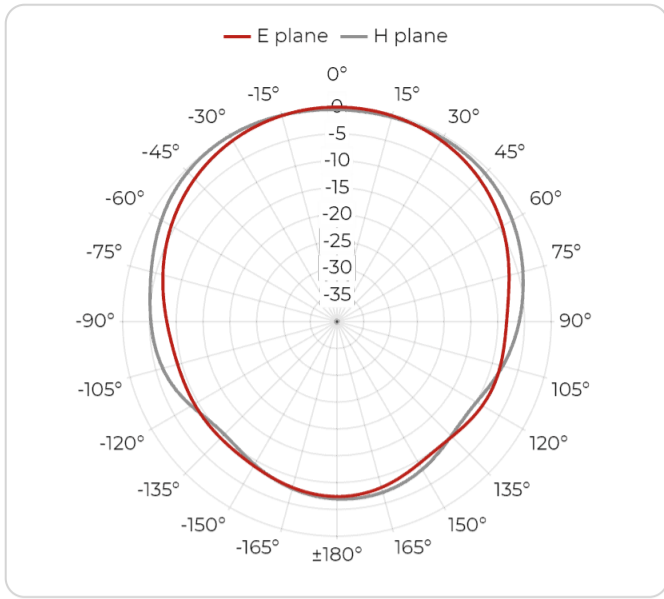


Port A, H plane

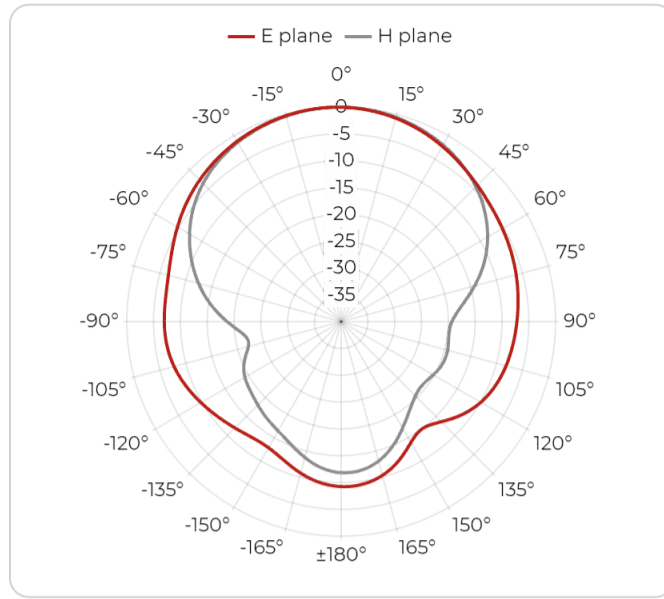


Radiation Patterns

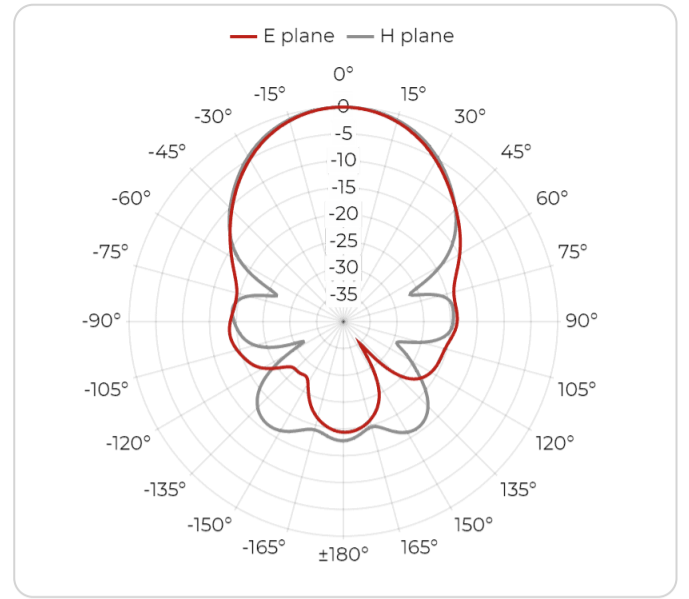
0.75 GHz



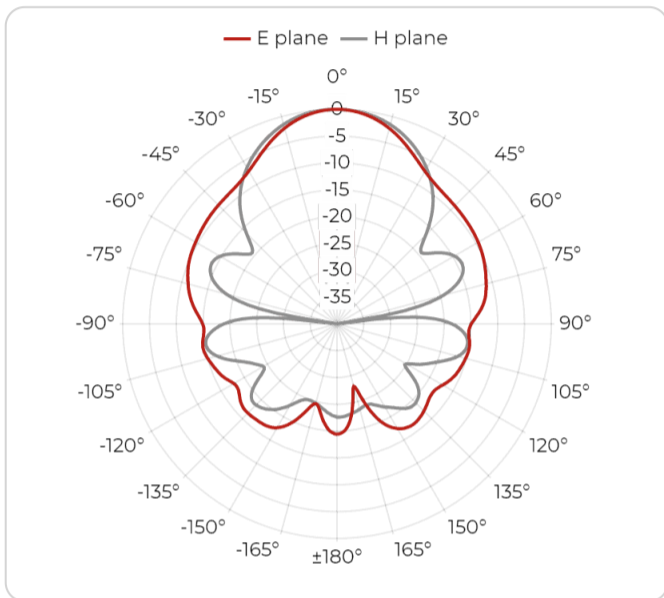
1 GHz



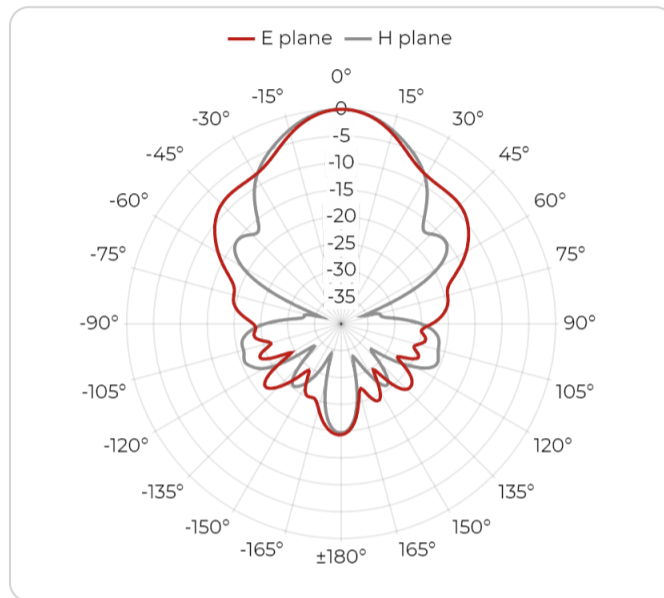
2 GHz



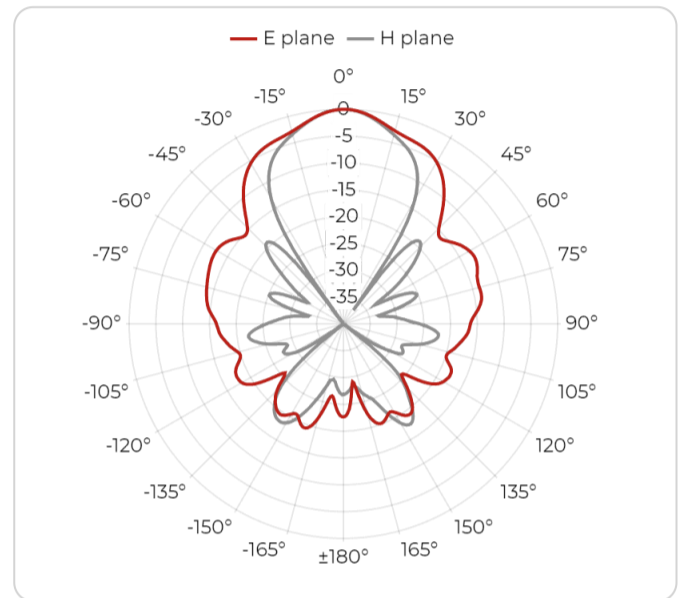
3 GHz



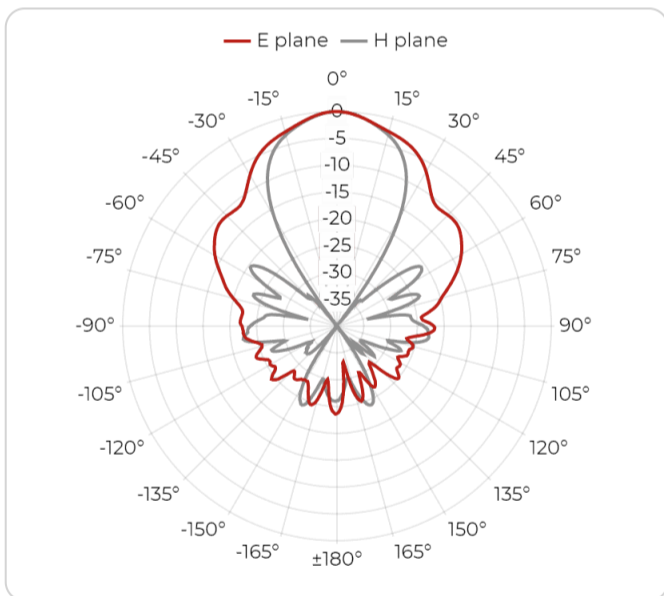
4 GHz



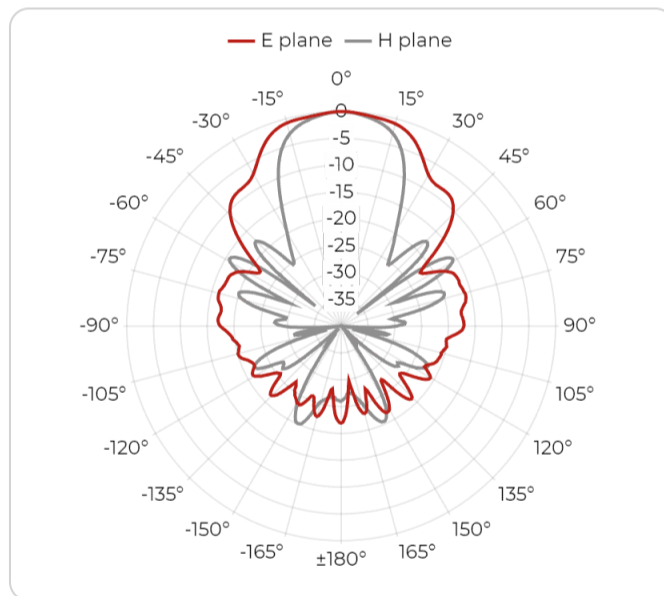
5 GHz



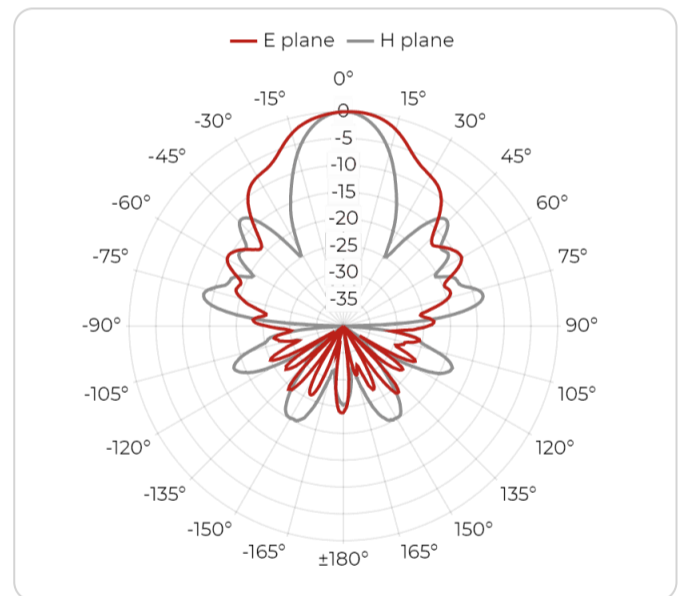
6 GHz



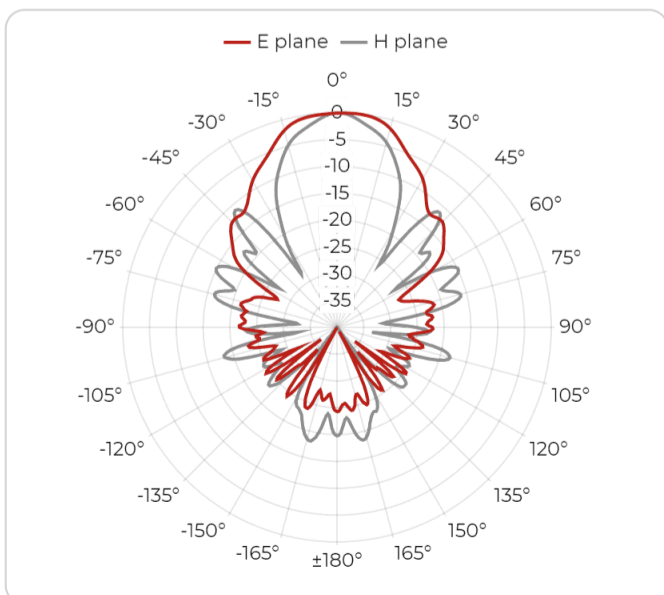
7 GHz



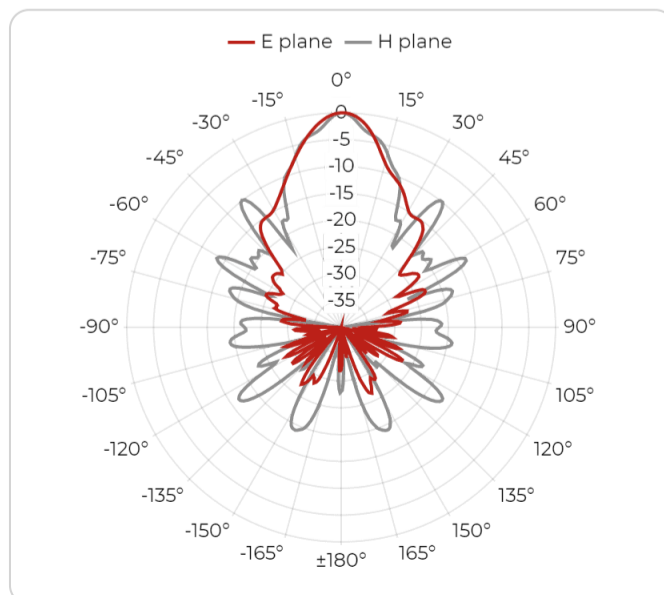
8 GHz



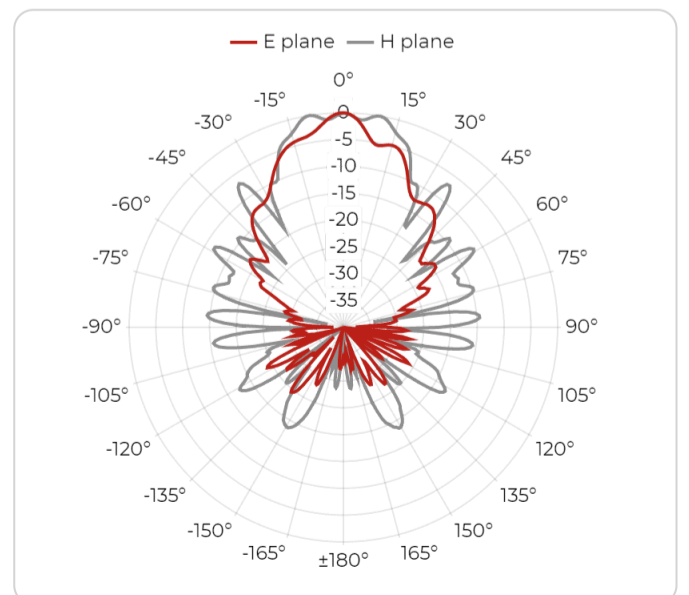
9 GHz



10 GHz



10.5 GHz



Packaging and Accessories

What's in a box

- DRH10 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

- [AHS22-HI Antenna Fixture](#)
- [PAS02 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/drh10/>

Data and specifications subject to change without notice.

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