



The DRH30 antenna combines small dimensions with high accuracy and perfect electrical parameters. It is specially developed for 5G frequency band.

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

- Manufactured using a high grade aluminum alloy
- Extremely durable
- High quality K 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	DRH30
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	2.5 GHz – 30 GHz
VSWR (max.)	1.6
VSWR (avg.)	1.25
Impedance	50 Ohm
Connector	K (female)
Power (CW / Peak)	25 W / 50 W
Antenna Factor	32 – 45 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	70.3 mm (2.768 in)
Height	83.7 mm (3.295 in)
Depth	57.2 mm (2.252 in)
Weight	0.138 kg (0.304 lb)

OPERATING CONDITIONS

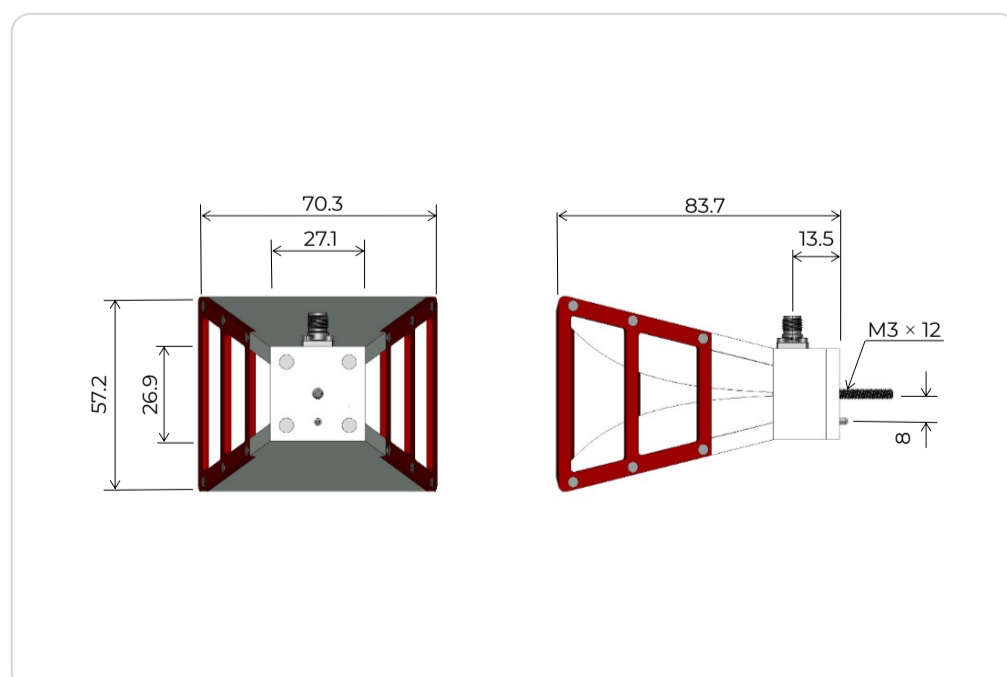
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

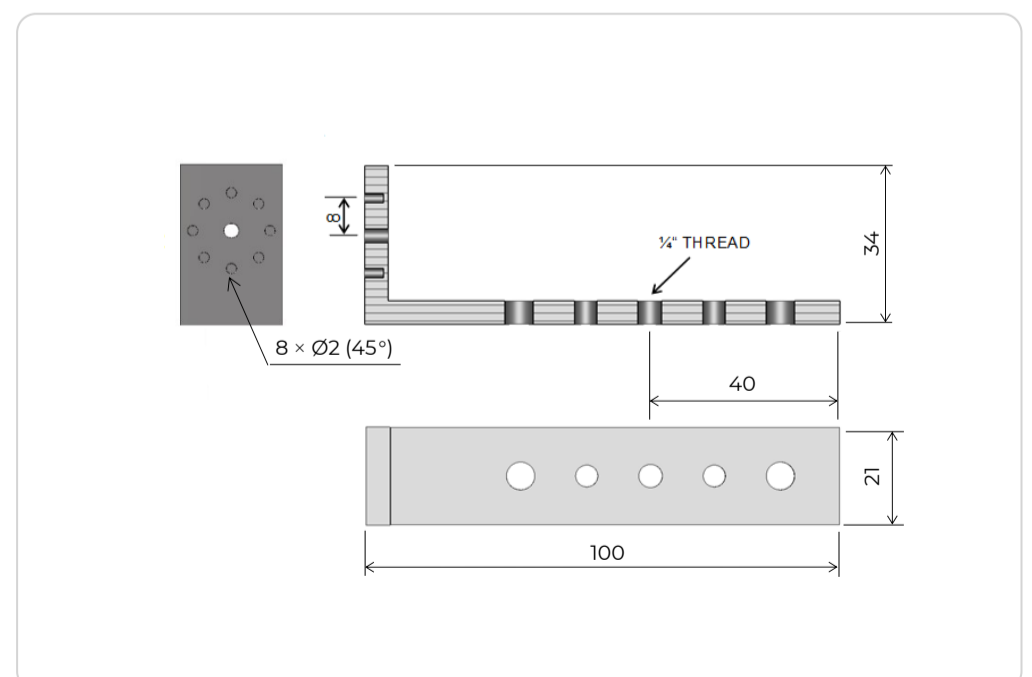
Mounting	Adapter with 1/4 inch inner thread, supplied with antenna
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Mechanical Drawings

Antenna



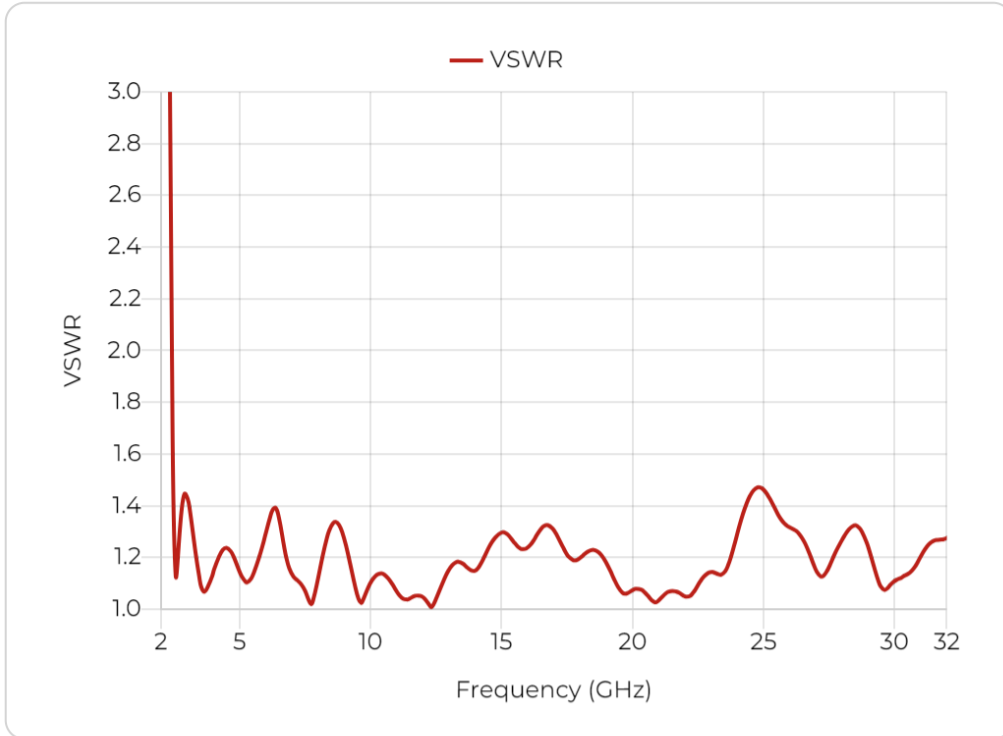
Mounting flange



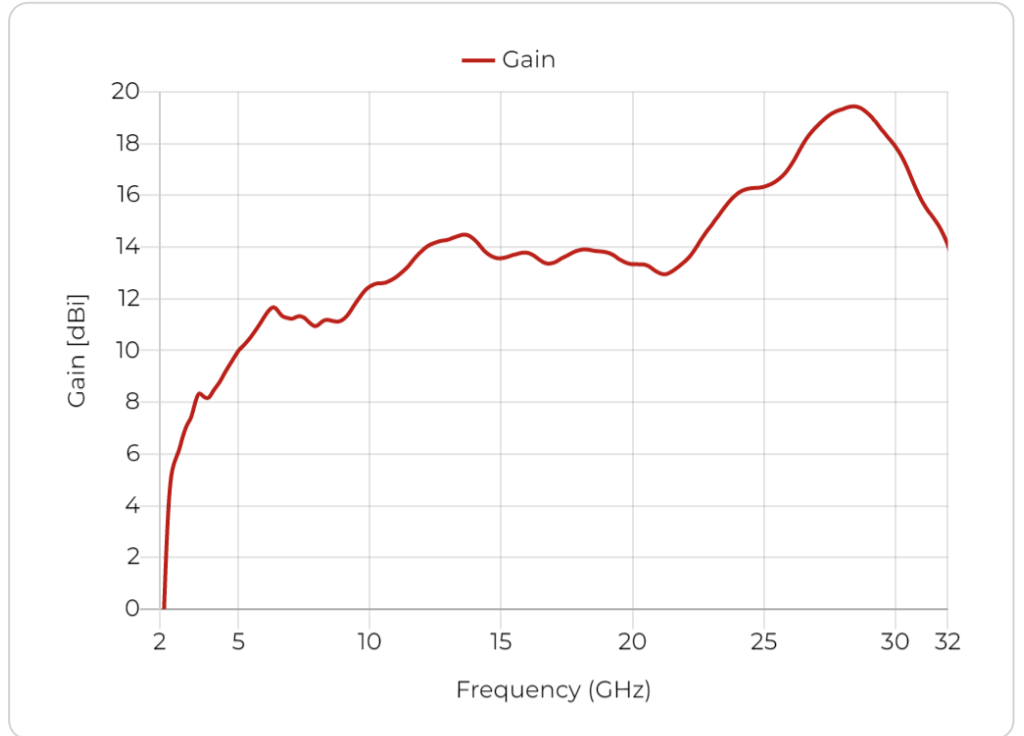
Parameters and Performance

Typical parameters

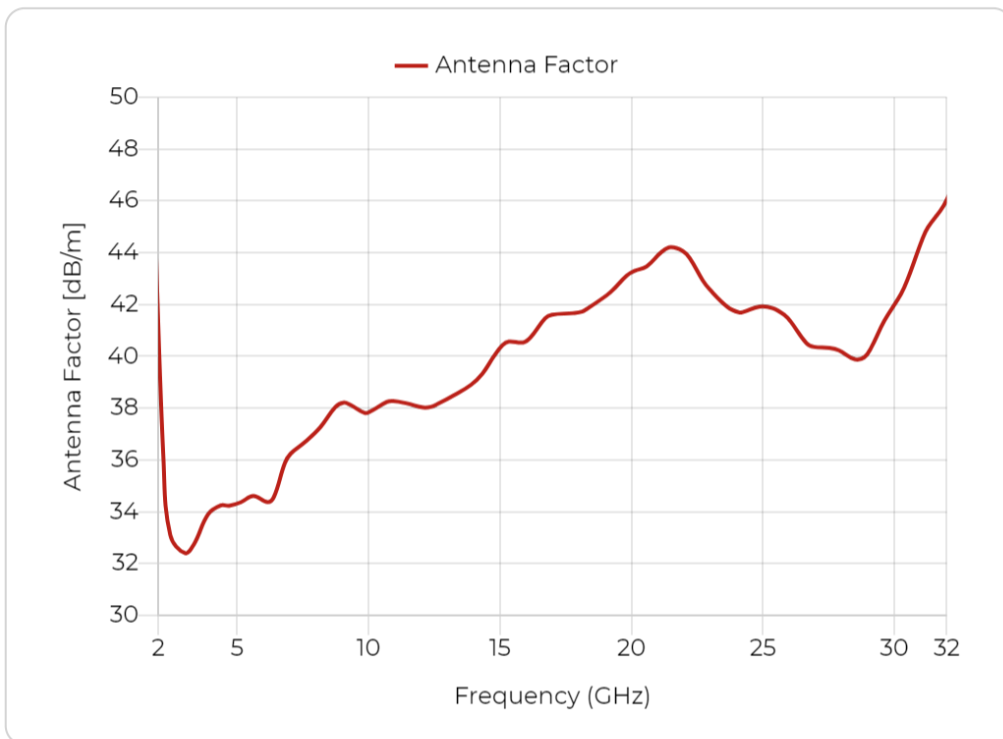
VSWR



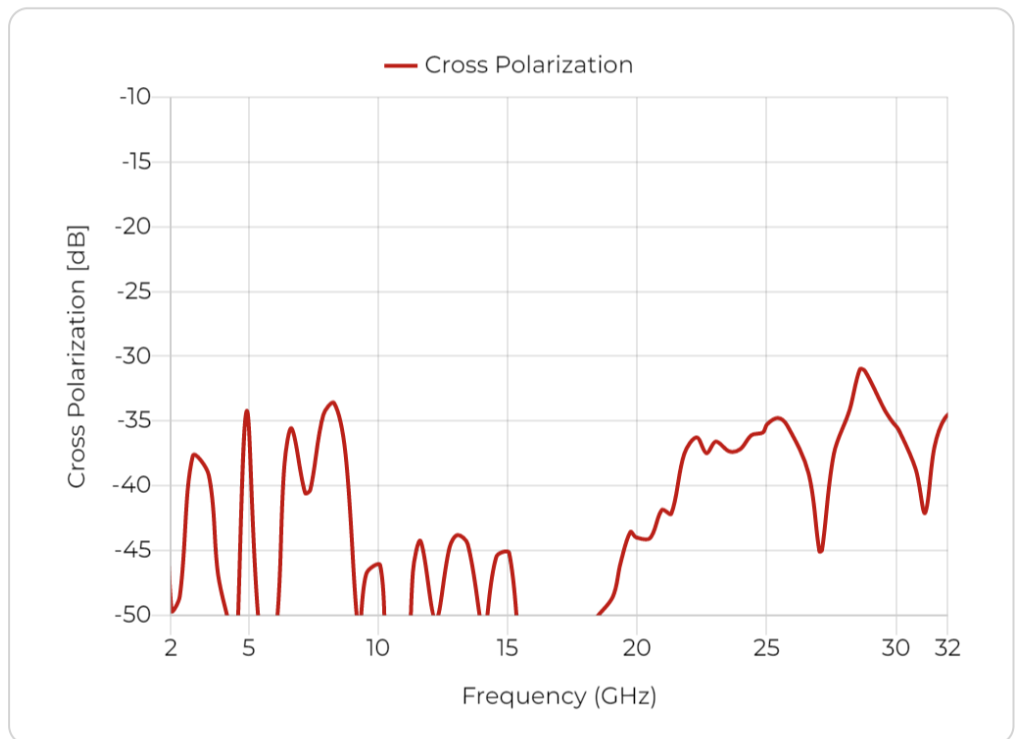
Gain



Antenna Factor

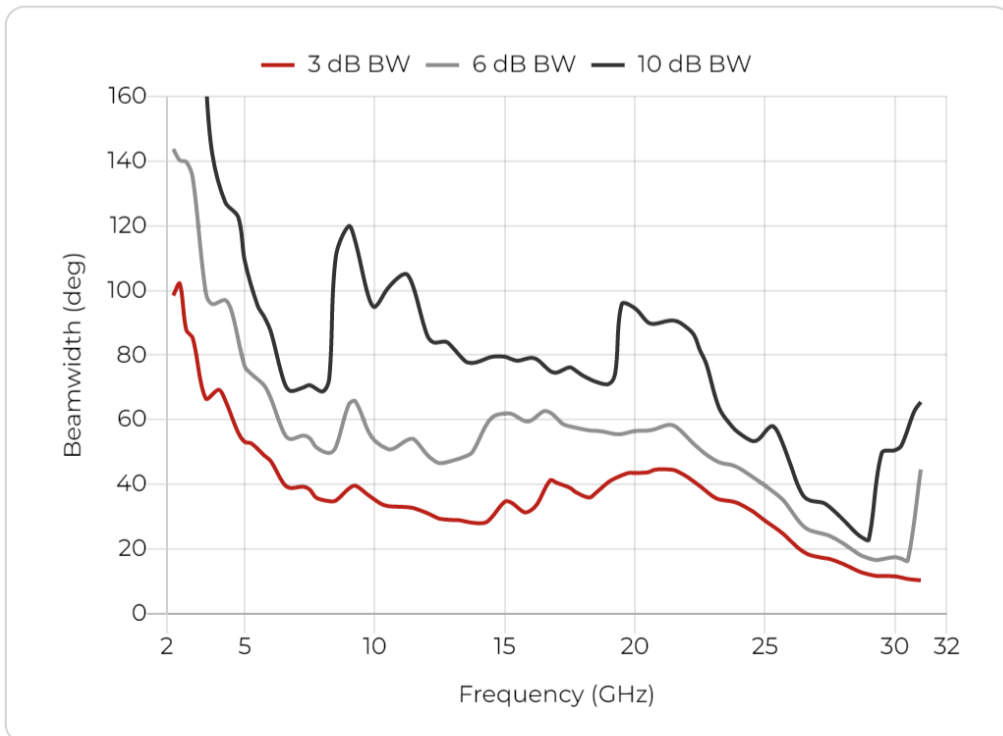


Cross Polarization

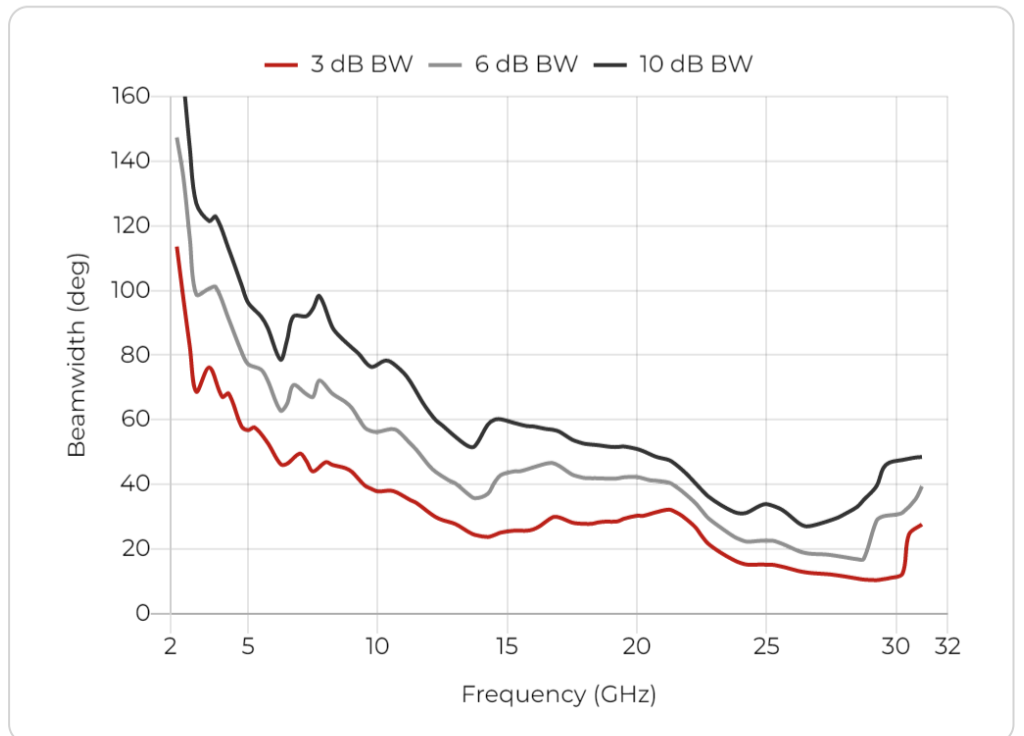


Beamwidth

Port A, E plane

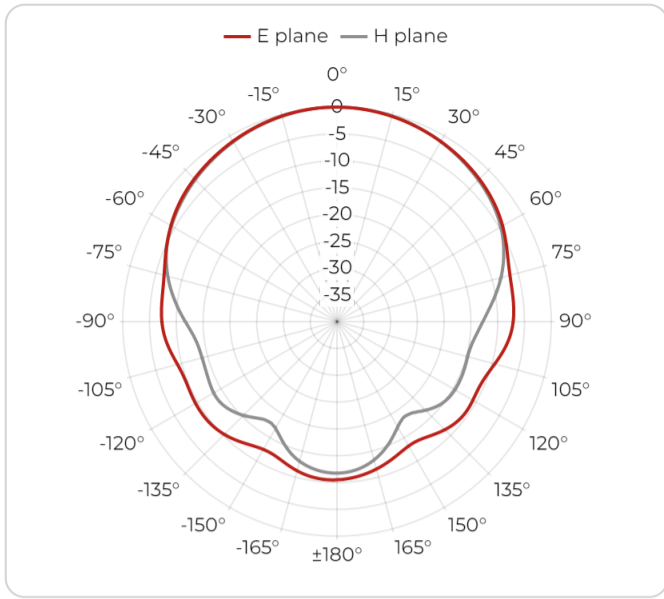


Port A, H plane

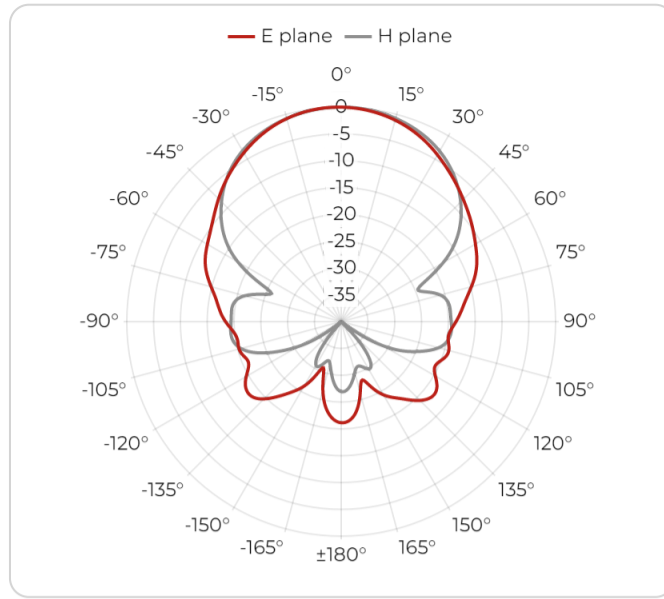


Radiation Patterns

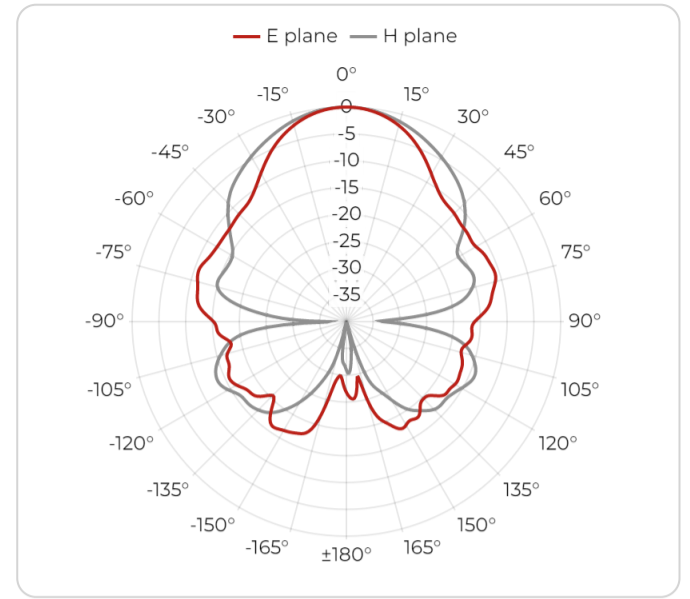
2.5 GHz



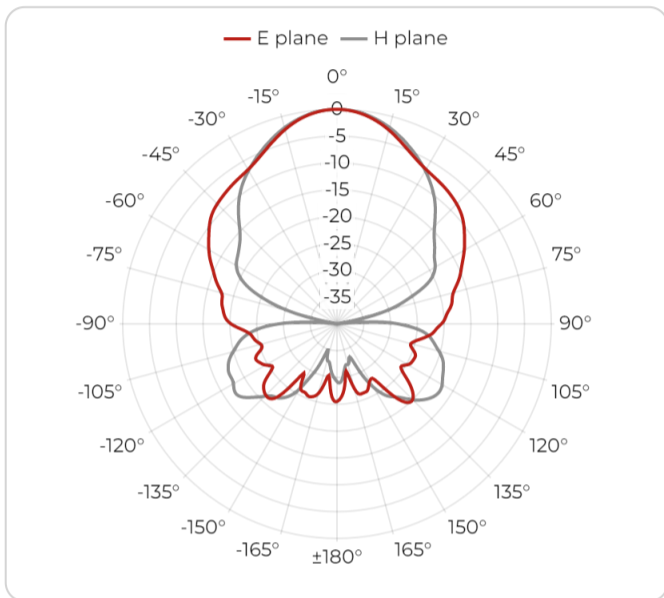
5 GHz



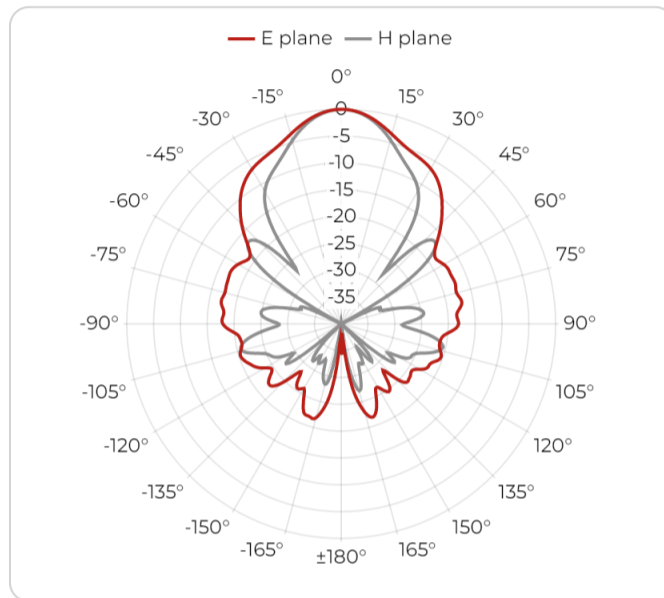
8 GHz



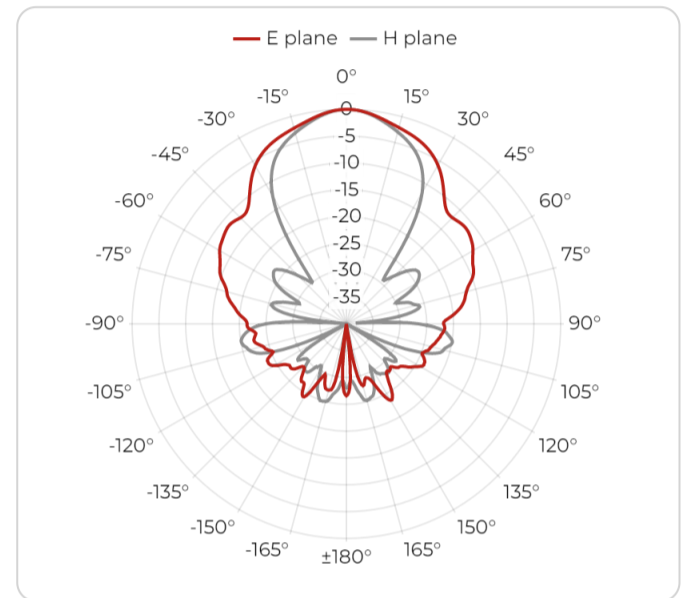
11 GHz



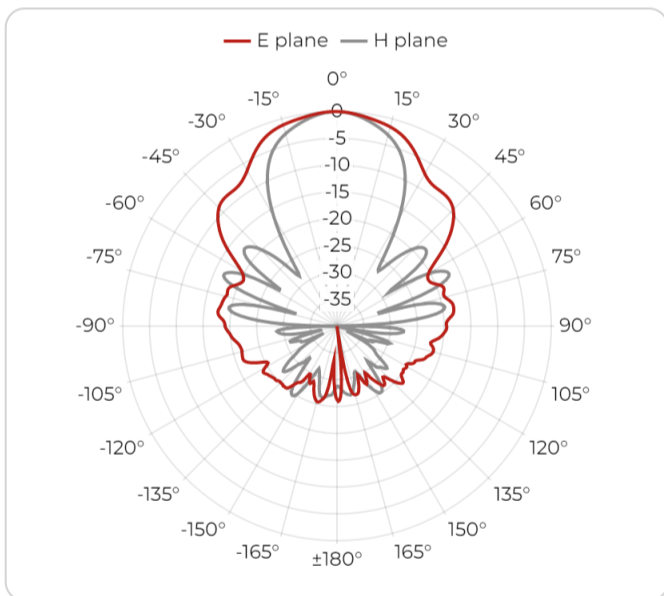
14 GHz



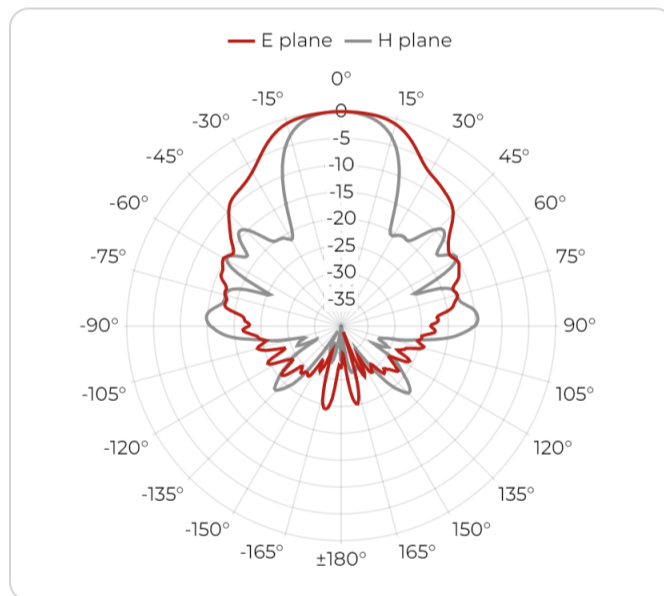
17 GHz



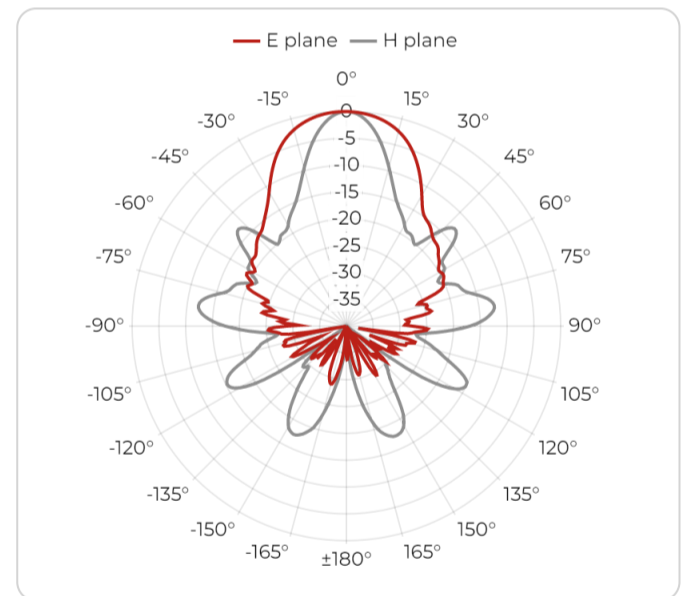
20 GHz



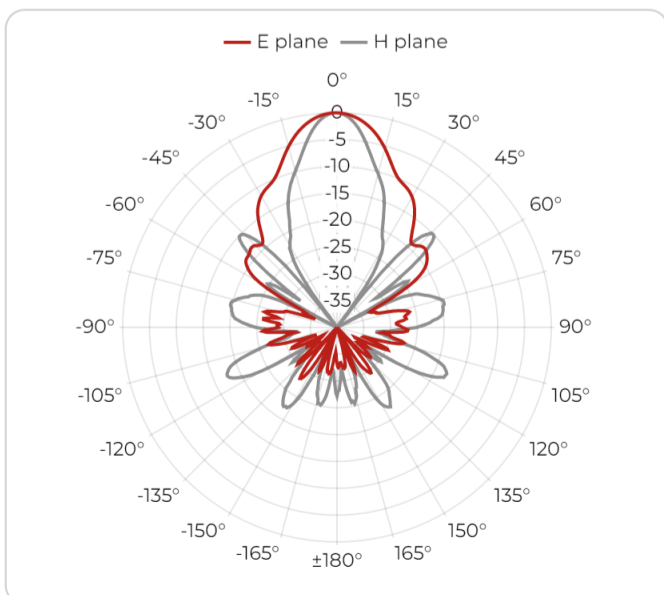
22 GHz



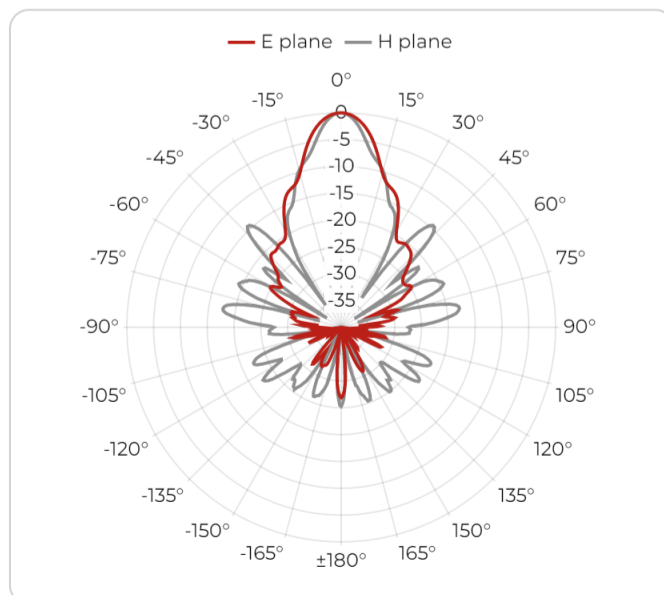
24 GHz



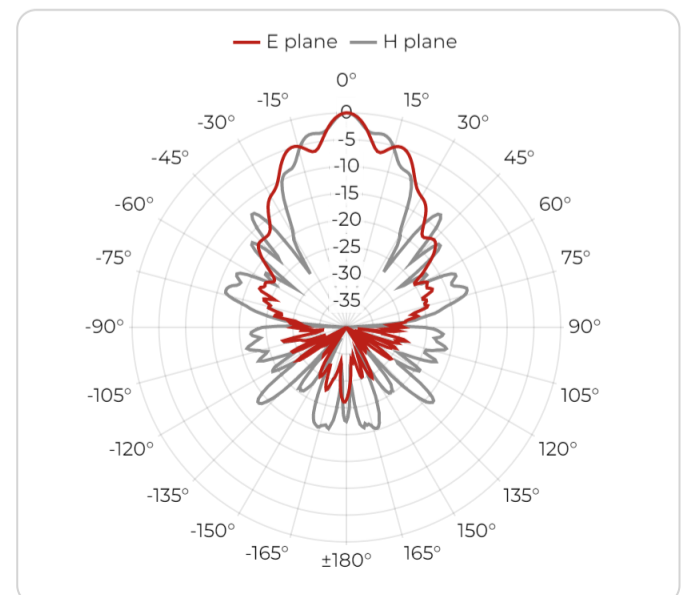
26 GHz



28 GHz



30 GHz



Packaging and Accessories

What's in a box

- DRH30 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](#)
- [PAS2022 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/drh30/>

Data and specifications subject to change without notice.

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