



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	DRH0532
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

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

OPERATING CONDITIONS

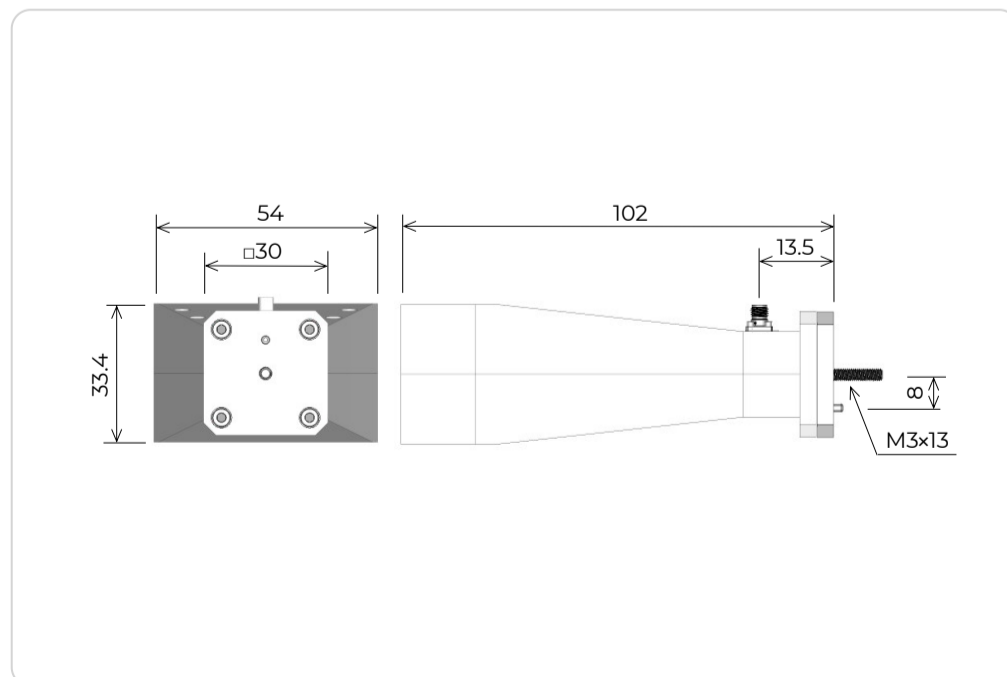
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +60°C

MOUNTING FLANGE

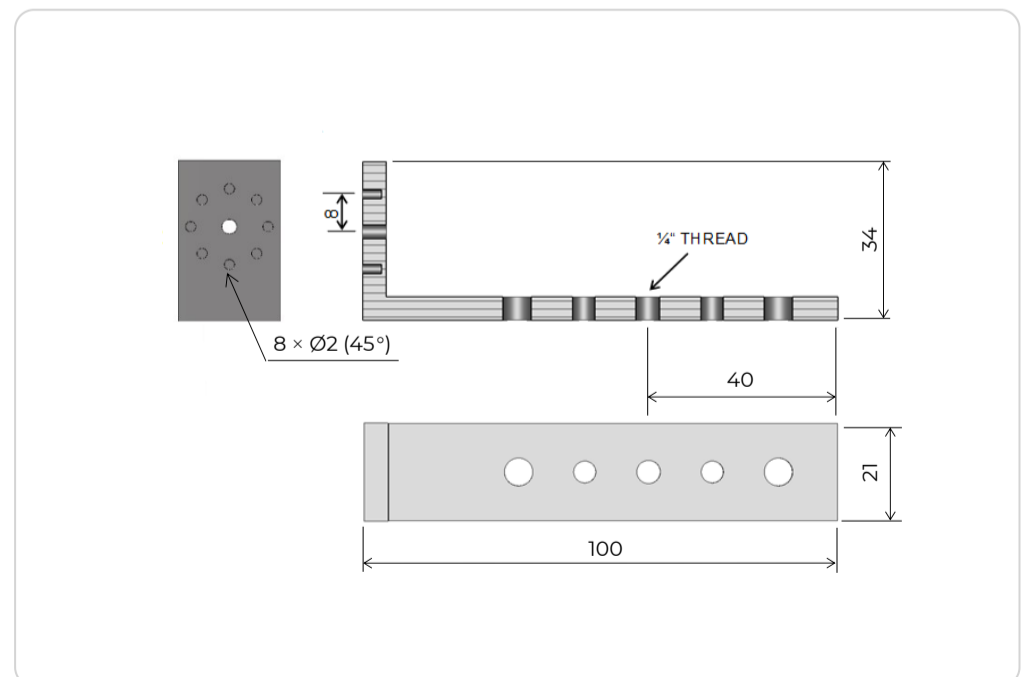
Mounting	Adapter with 1/4 inch inner thread, supplied with antenna
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Mechanical Drawings

Antenna



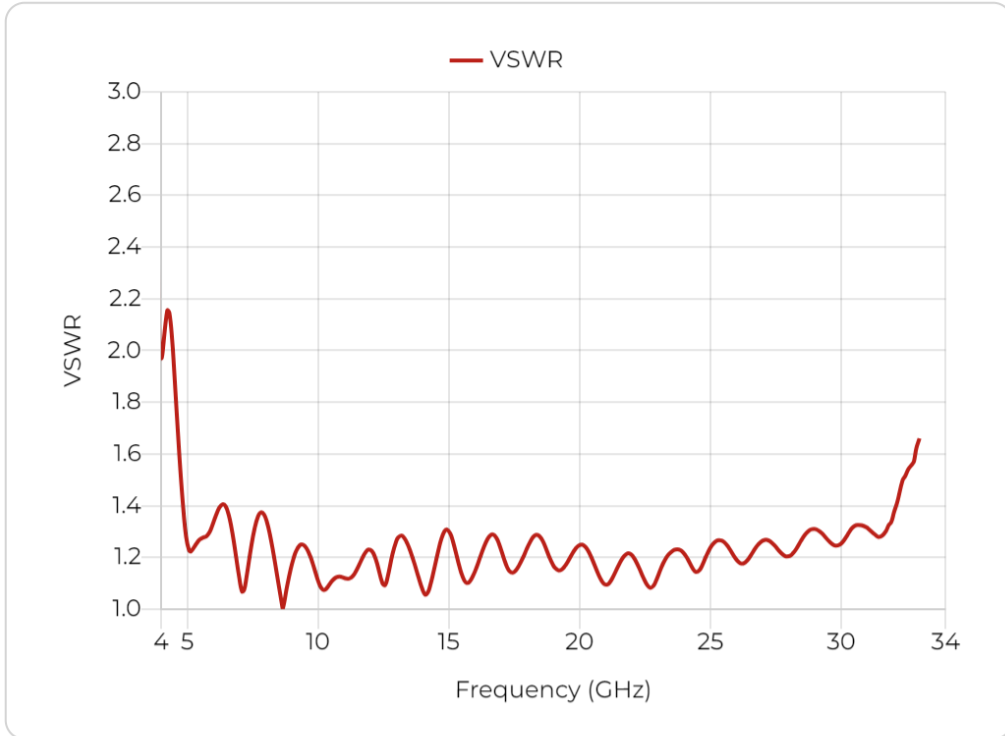
Mounting flange



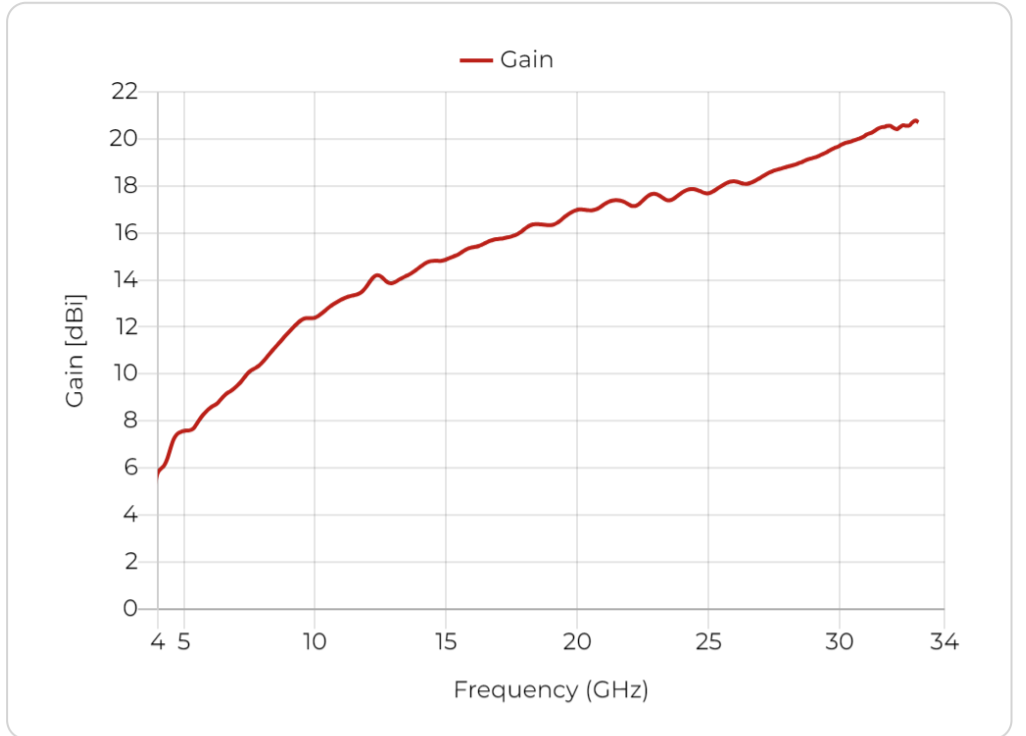
Parameters and Performance

Typical parameters

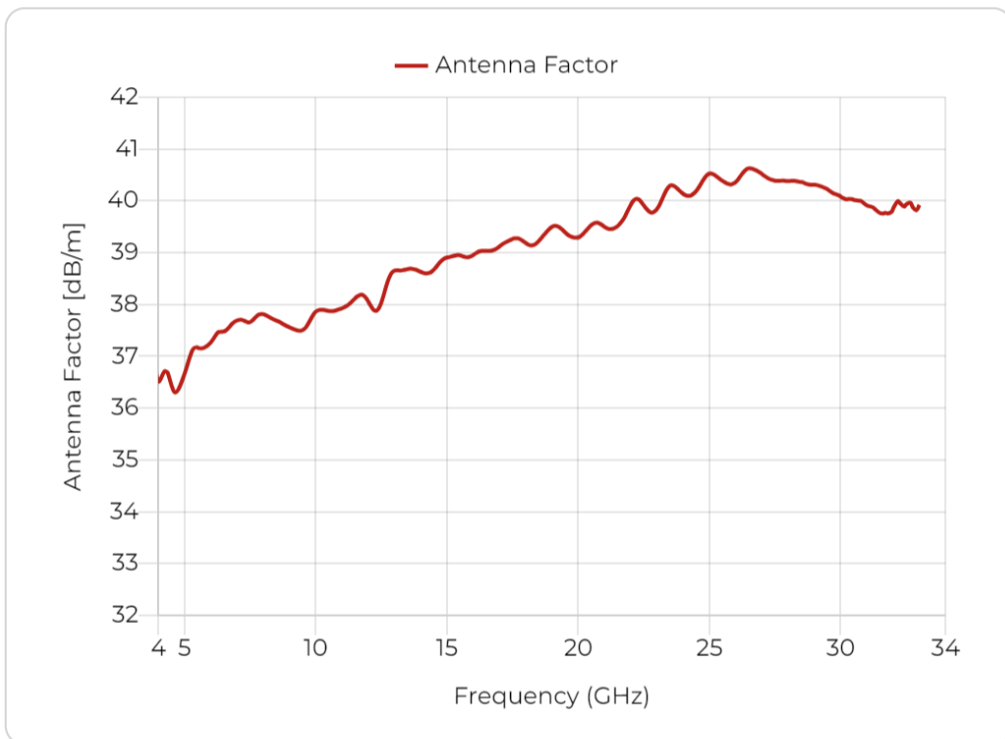
VSWR



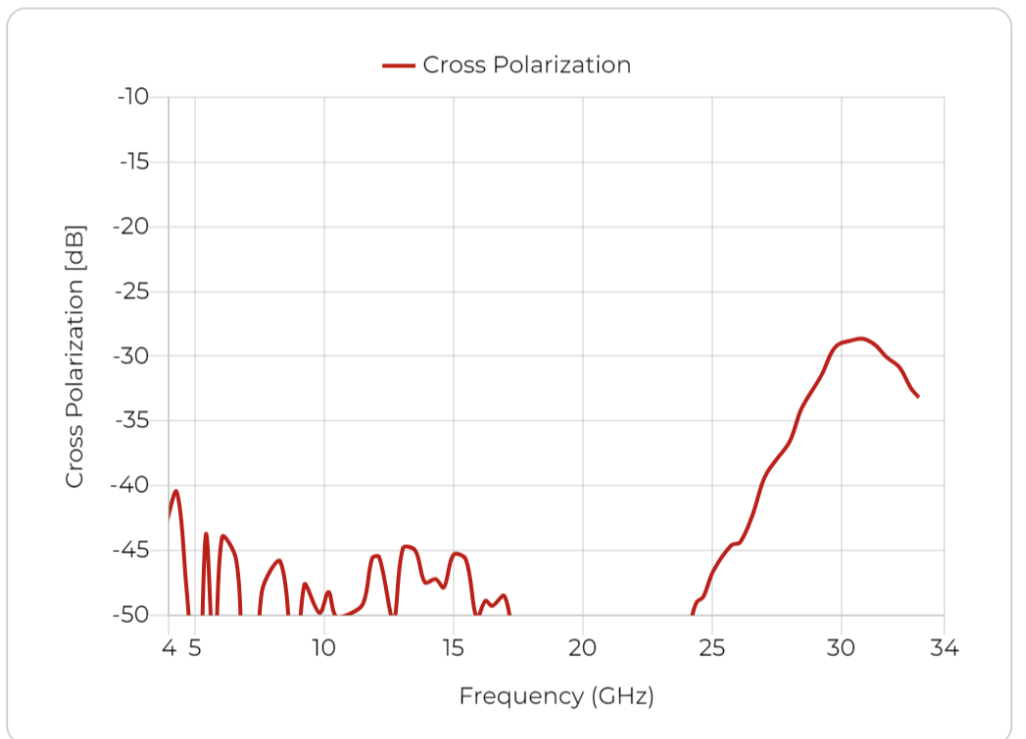
Gain



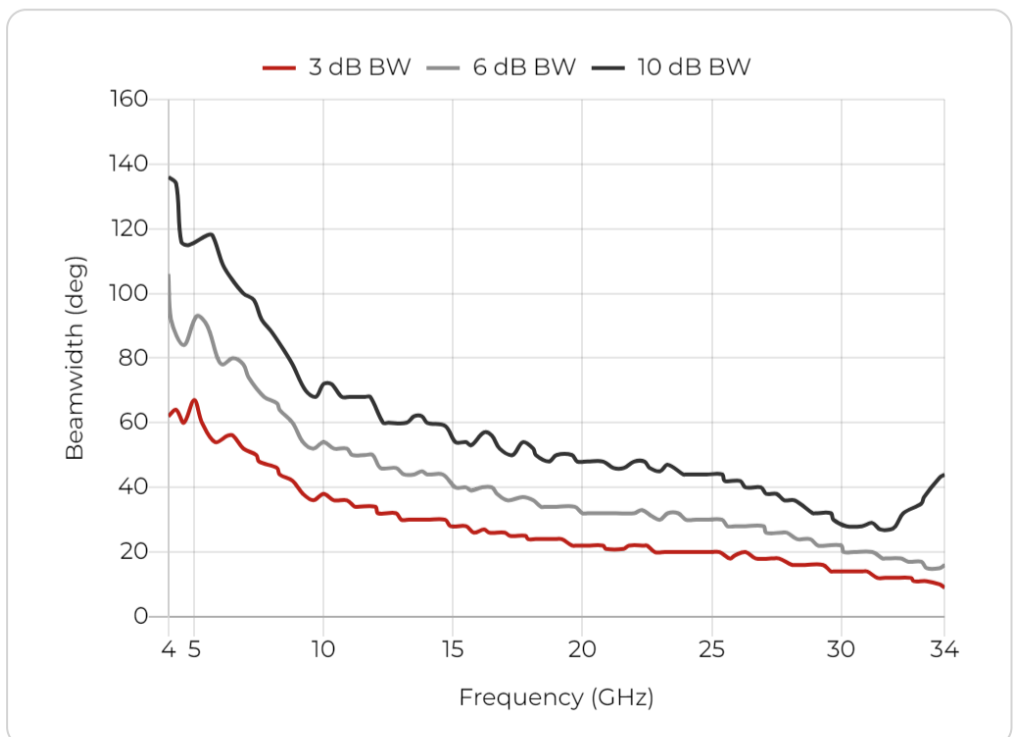
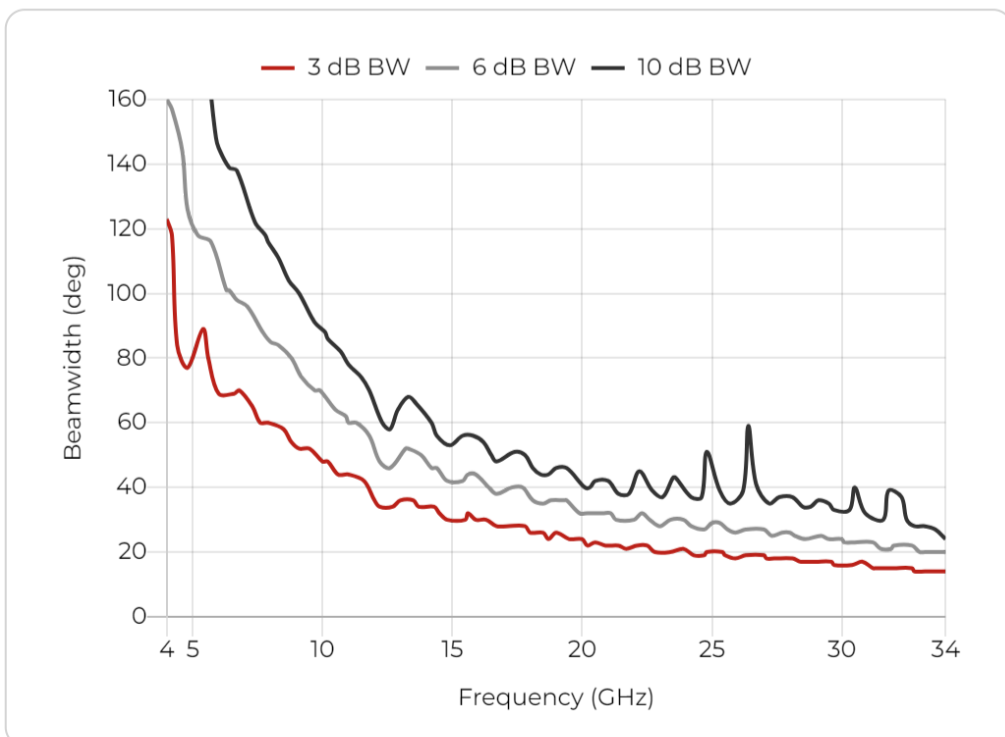
Antenna Factor



Cross Polarization

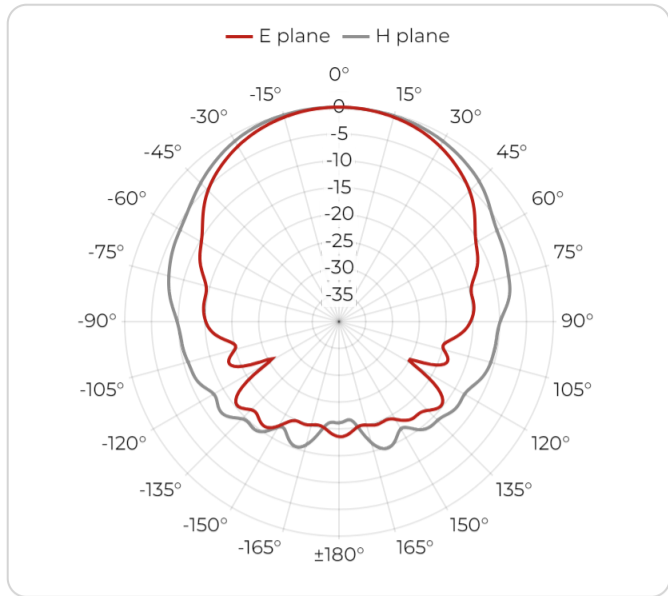


Beamwidth

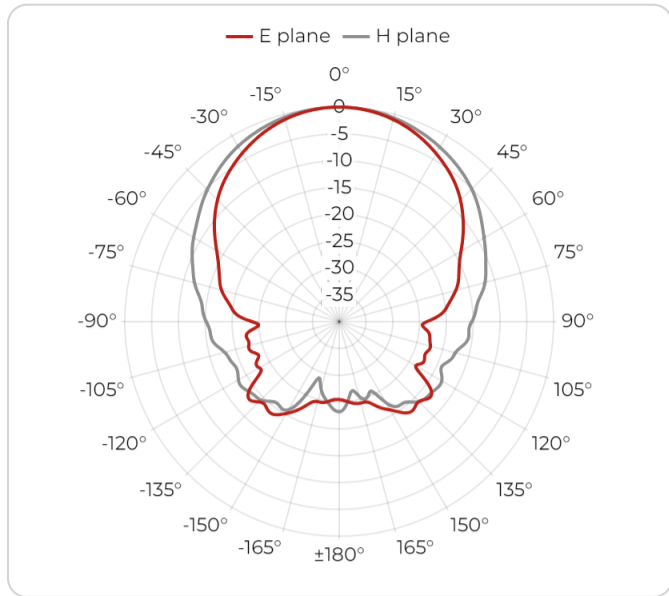


Radiation Patterns

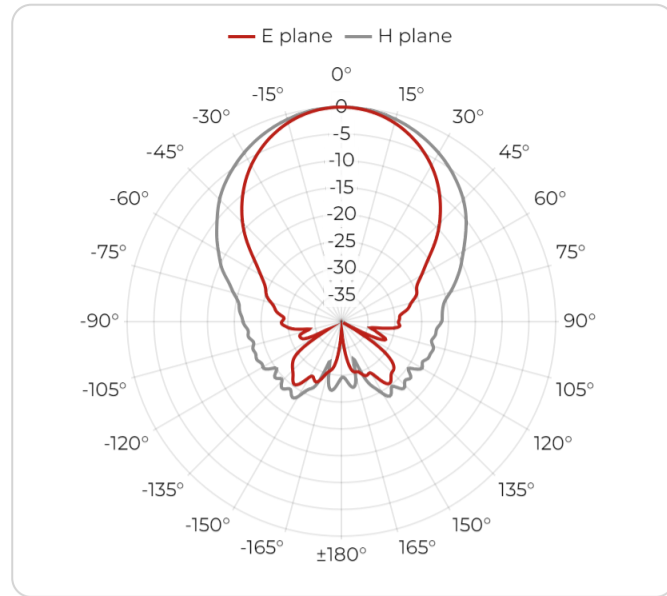
5 GHz



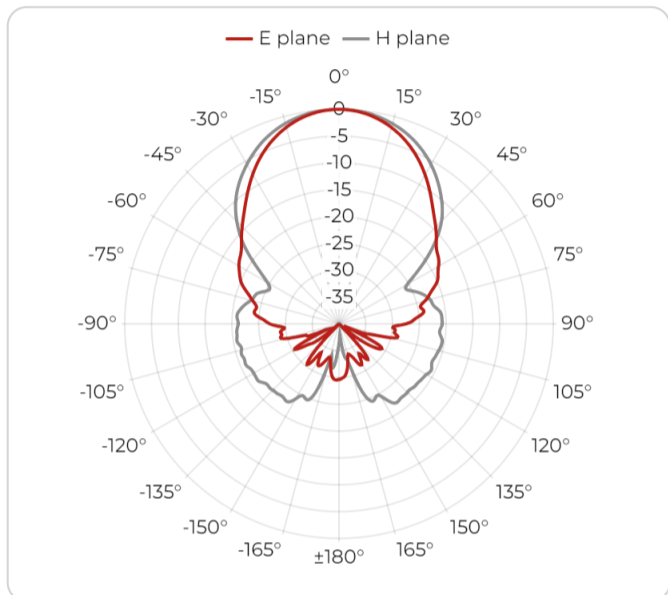
7 GHz



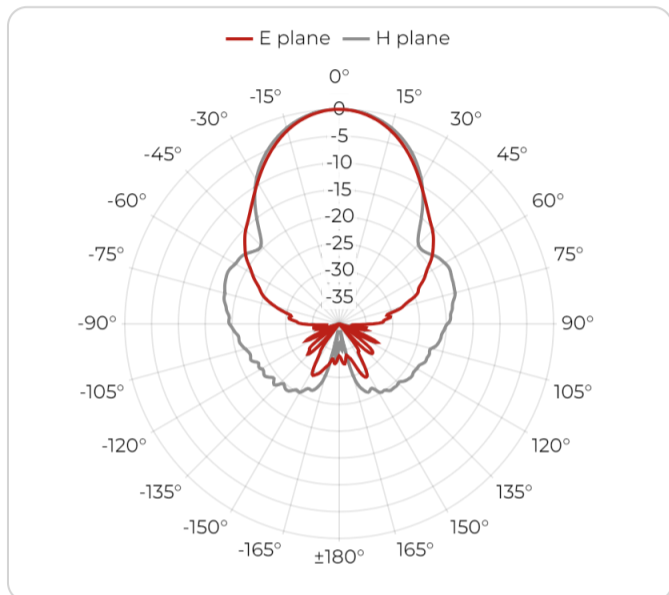
9 GHz



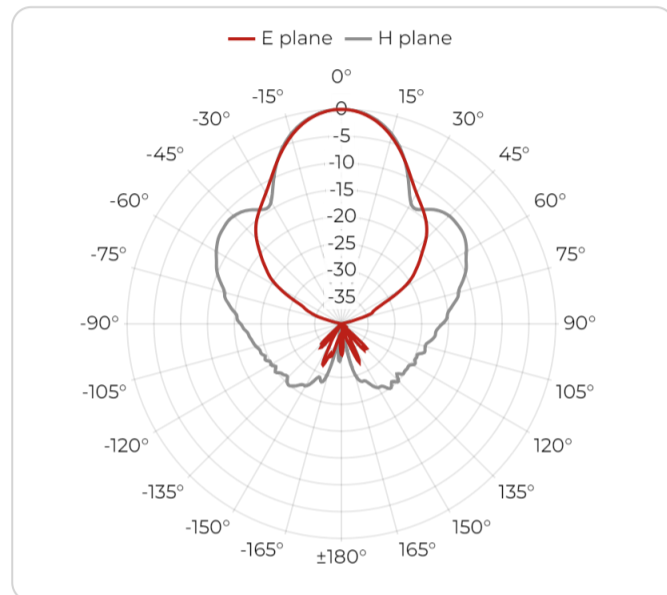
11 GHz



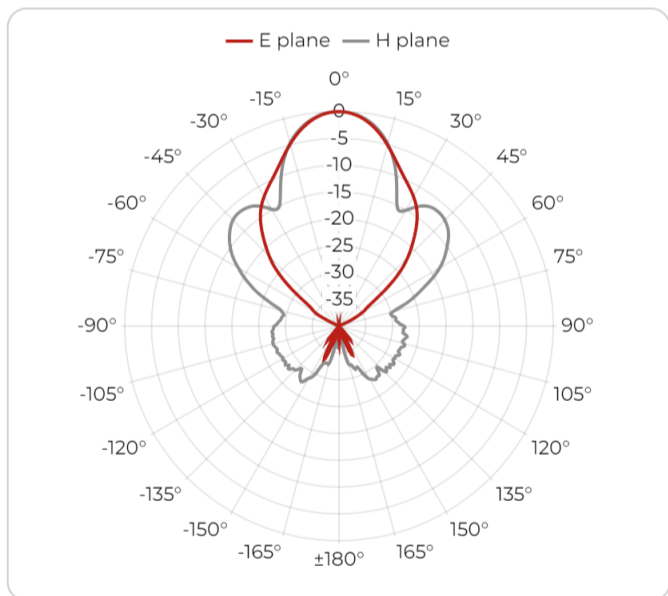
14 GHz



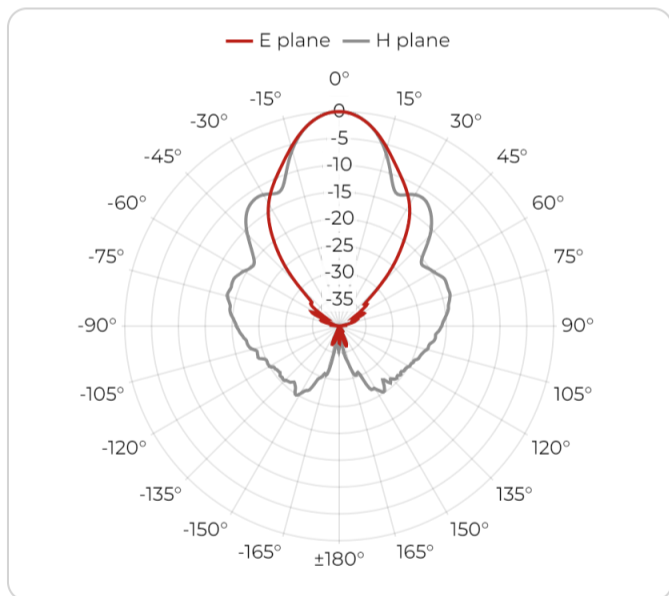
17 GHz



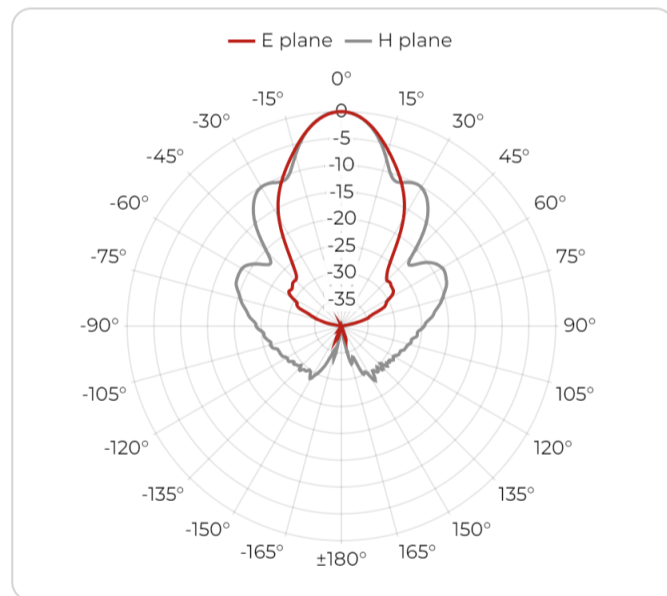
20 GHz



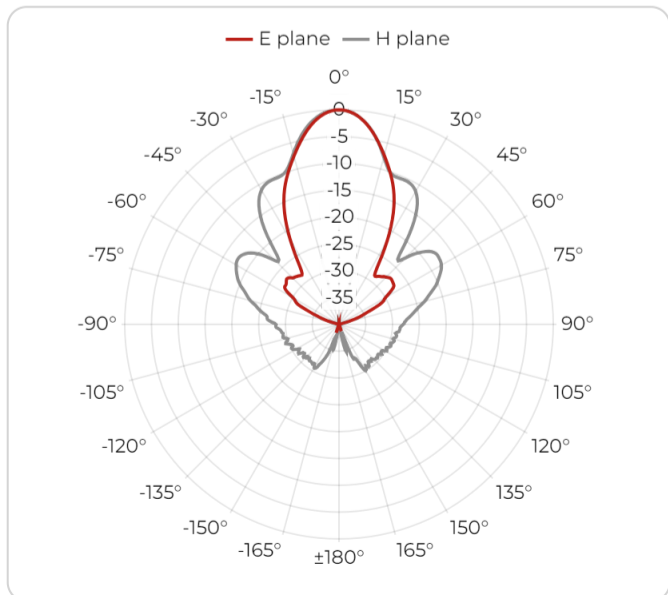
23 GHz



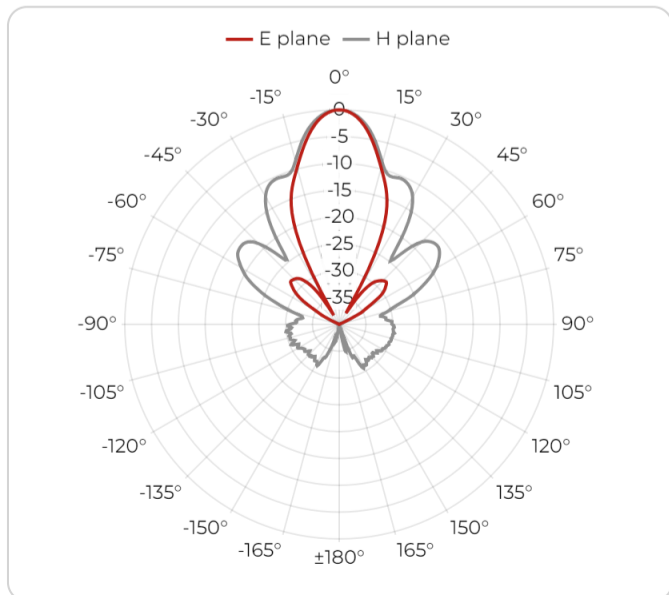
26 GHz



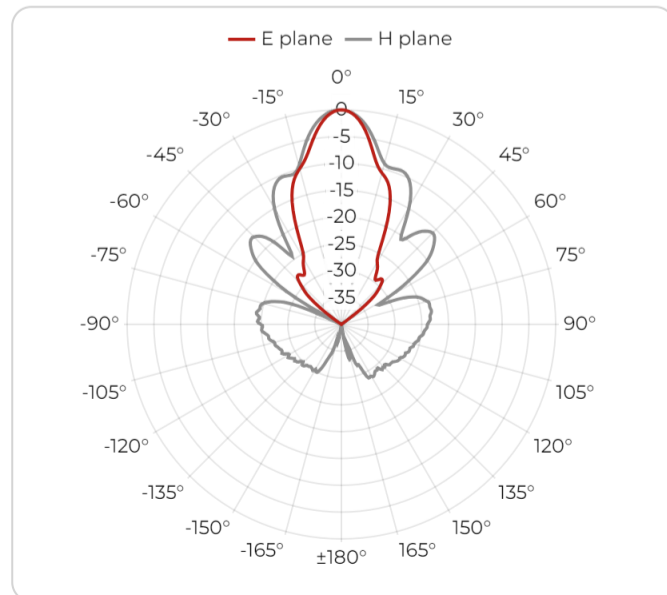
28 GHz



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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📍 Address

RFspin s.r.o.
Na Beránce 57/2
160 00 Prague 6
Czech Republic

✉ E-mail

info@rfspin.com

📞 Phone

[+420 245 008 847](tel:+420245008847)