

This high-performance antenna boasts exceptional broadband characteristics, covering an impressive frequency band from 9 GHz to 53 GHz with a high Gain of more than 23dB. With its cutting-edge features and a reliable 2.40 mm connector, this antenna is your gateway to seamless connectivity across a wide range of applications. Get the high Gain antenna DRH0953 right now.

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
- 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 2.40mm type coaxial connector



Product Packaging Includes

- Antenna
- Adapter with ¼ inch inner thread, supplied with antenna

Product Parameters

PRODUCT IDENTIFICATION

Product Name	DRH0953
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	9 GHz – 53 GHz
VSWR (max.)	2
VSWR (avg.)	1.3
Impedance	50 Ohm
Connector	2.40mm (female)
Power (CW / Peak)	10 W / 20 W
Antenna Factor	34 – 41 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	74 mm (2.913 in)
Height	53 mm (2.087 in)
Depth	187 mm (7.362 in)
Weight	0.37 kg (0.816 lb)

OPERATING CONDITIONS

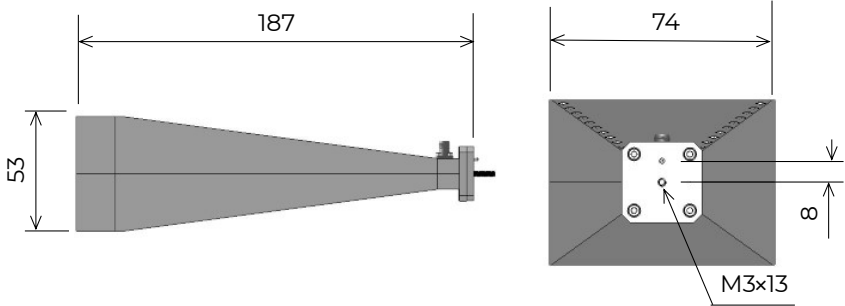
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

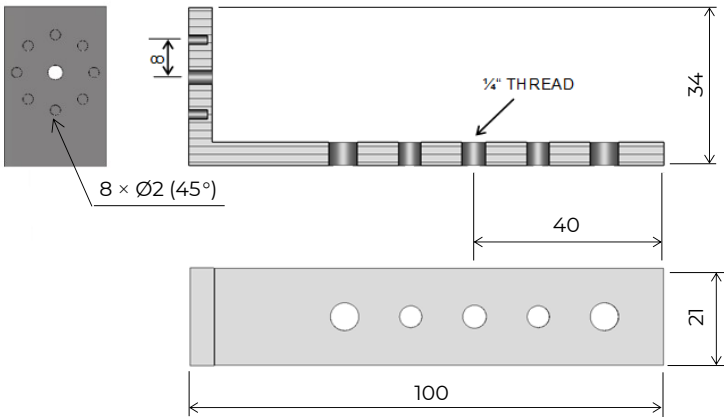
Mounting	Adapter with ¼ inch inner thread, supplied with antenna
----------	---

Mechanical Drawings

Antenna



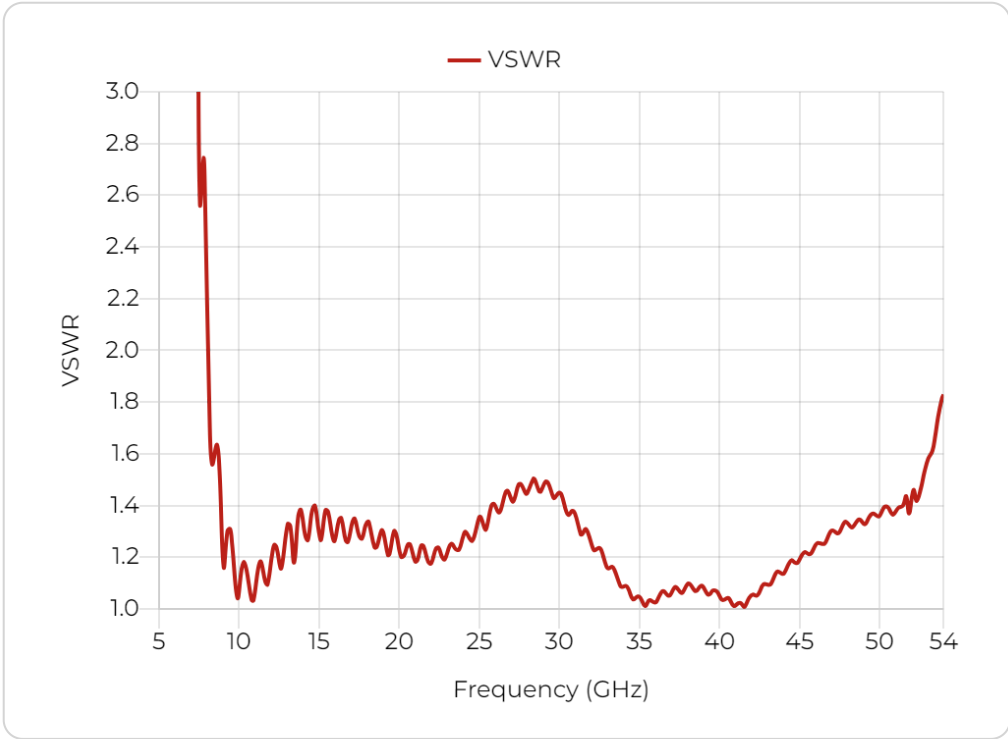
Mounting flange



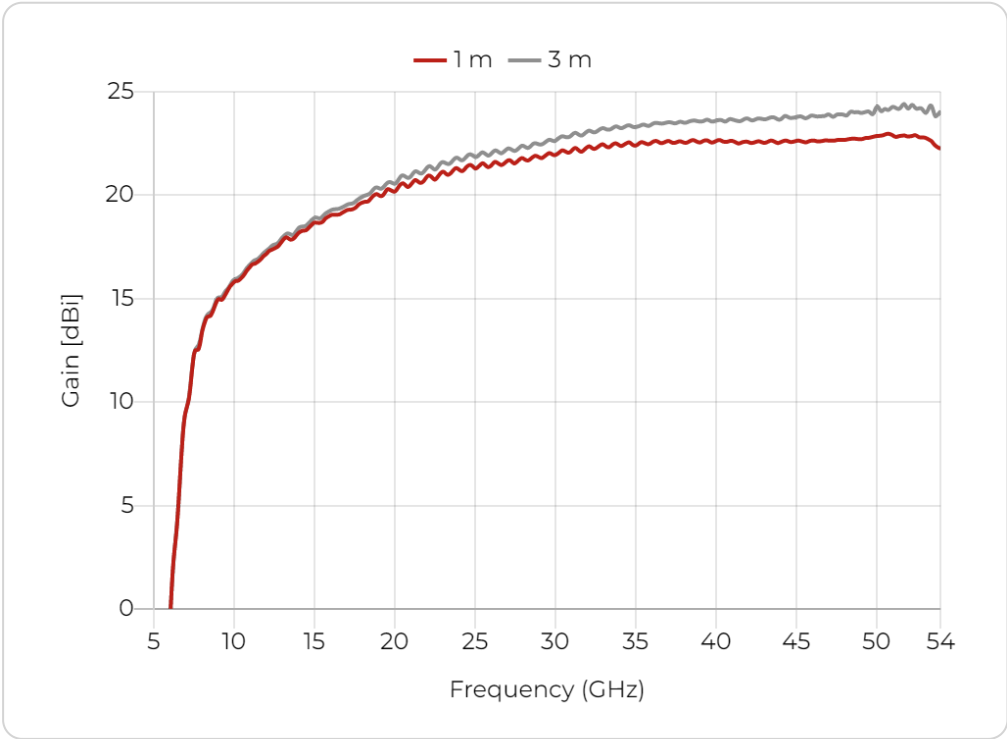
Parameters and Performance

Typical parameters

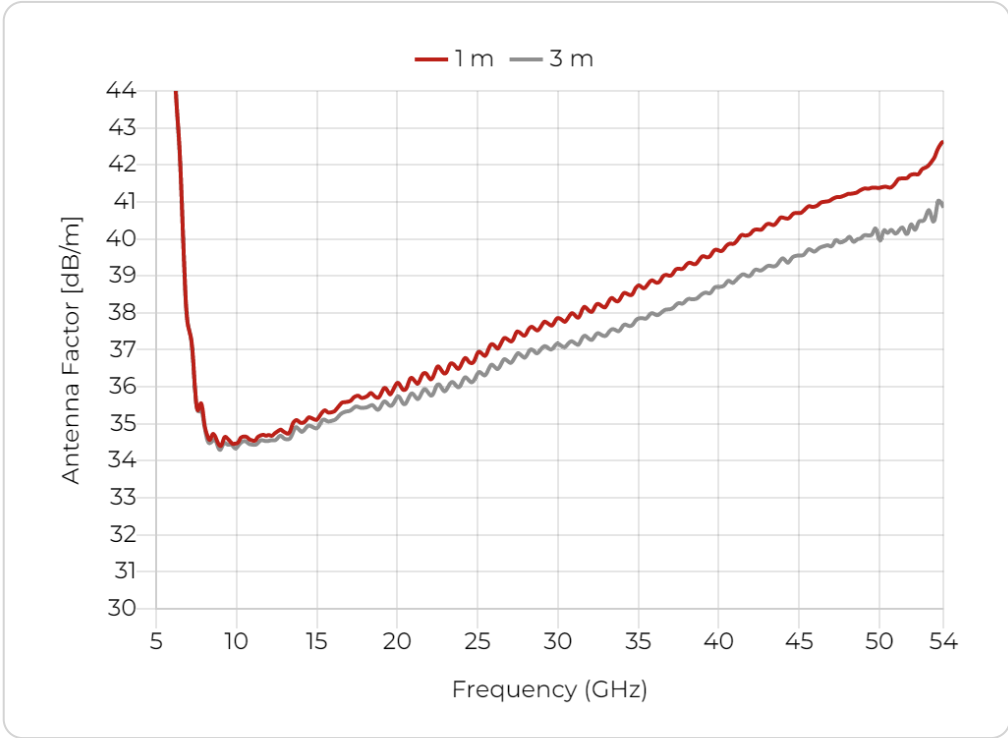
VSWR



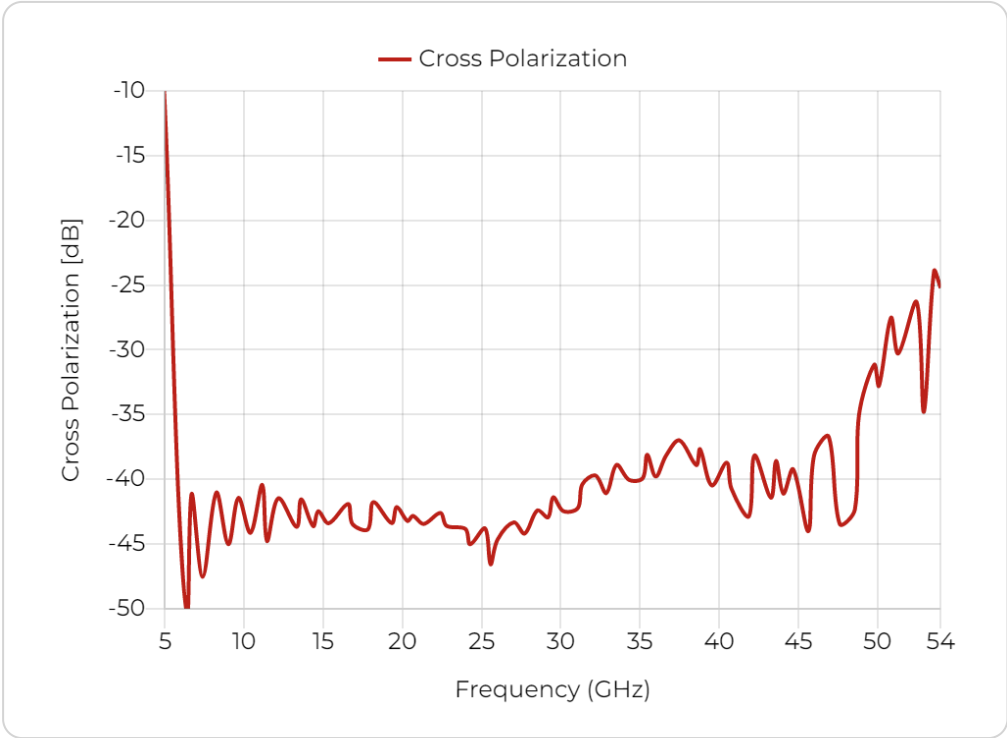
Gain



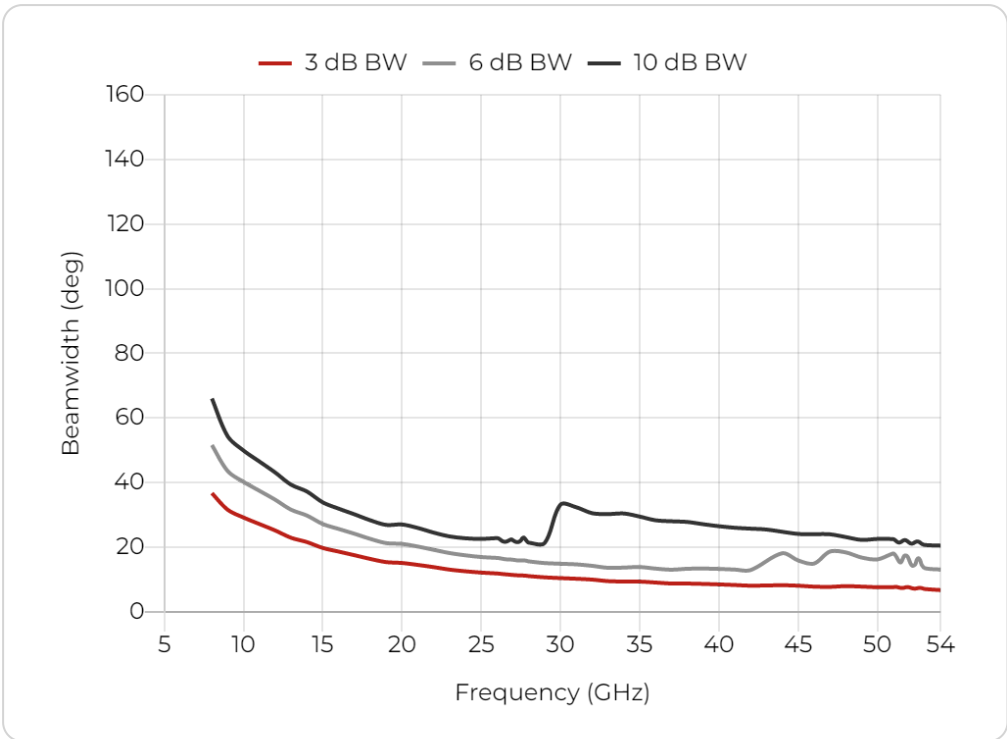
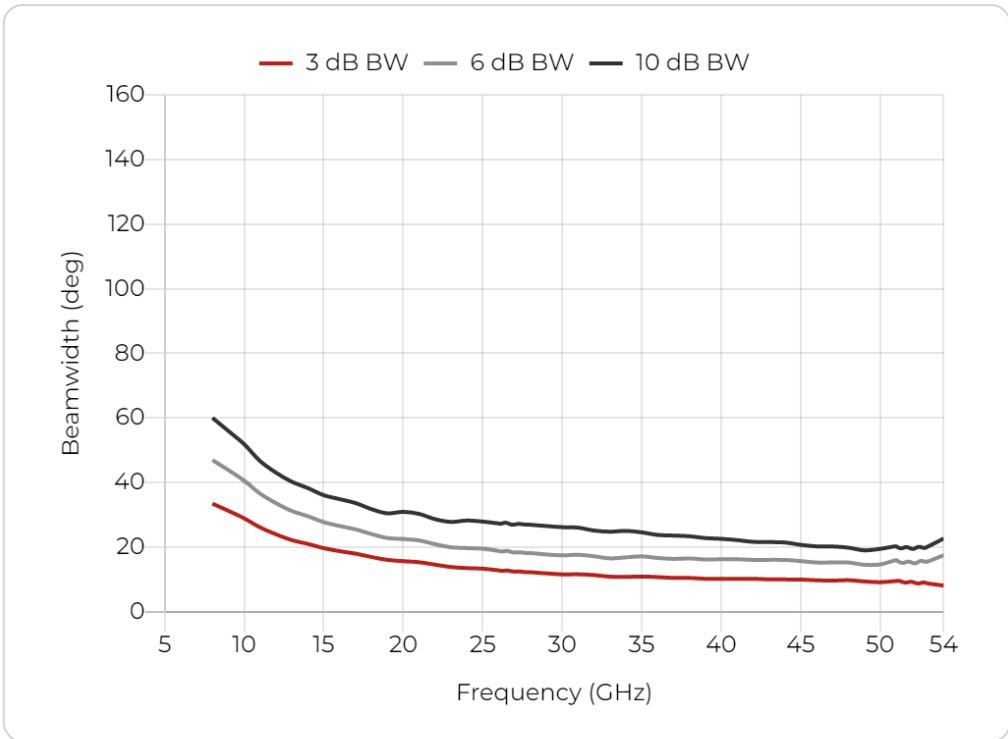
Antenna Factor



Cross Polarization

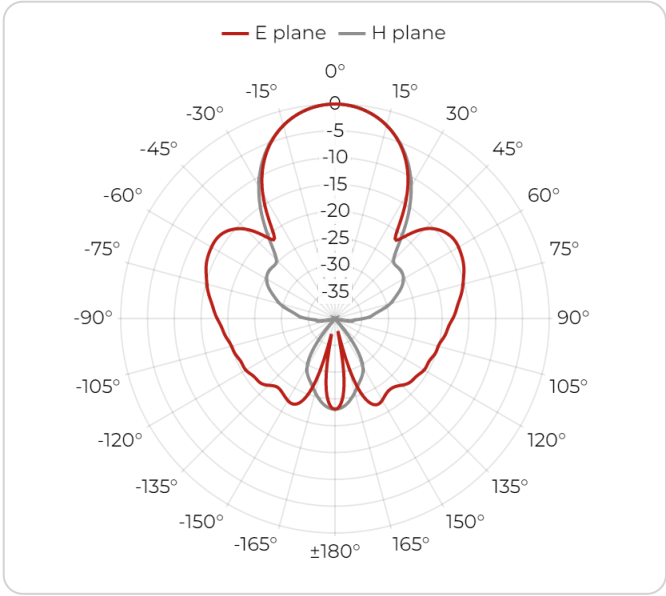


Beamwidth

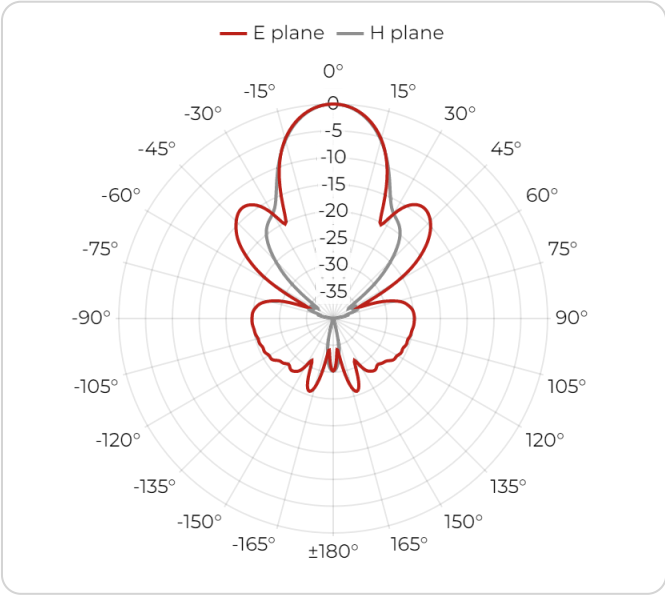


Radiation Patterns

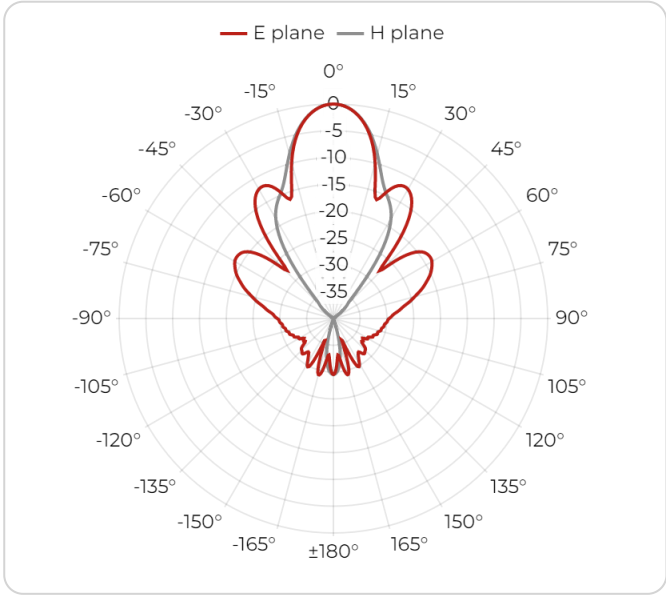
9 GHz



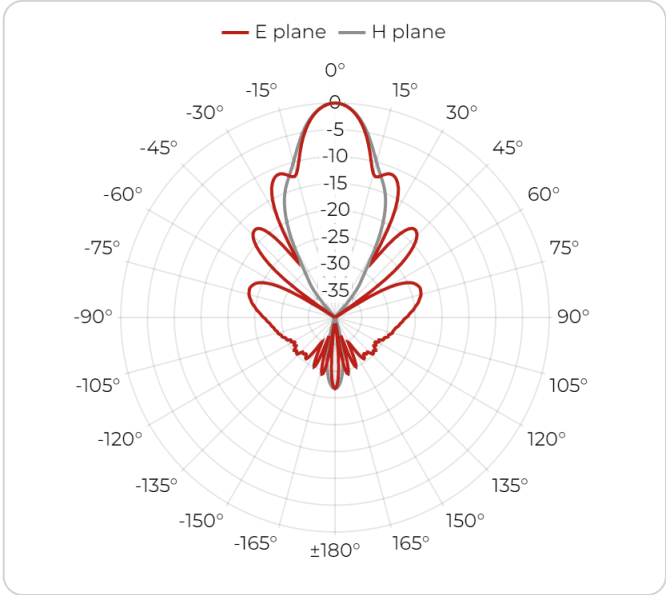
13 GHz



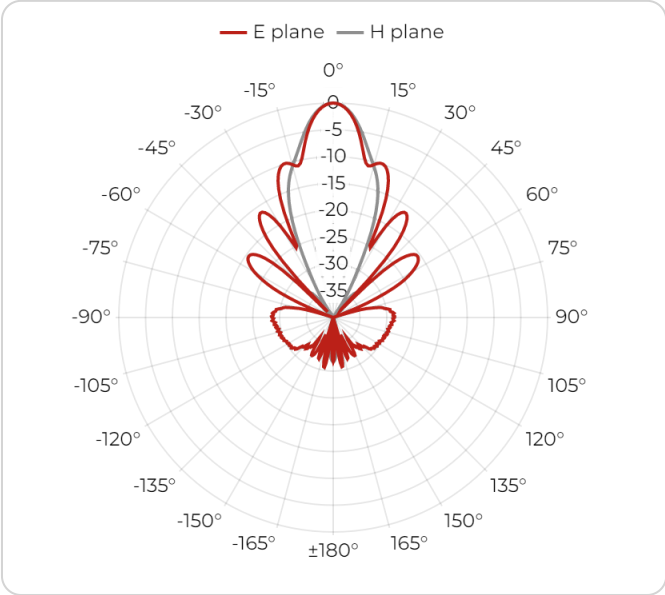
17 GHz



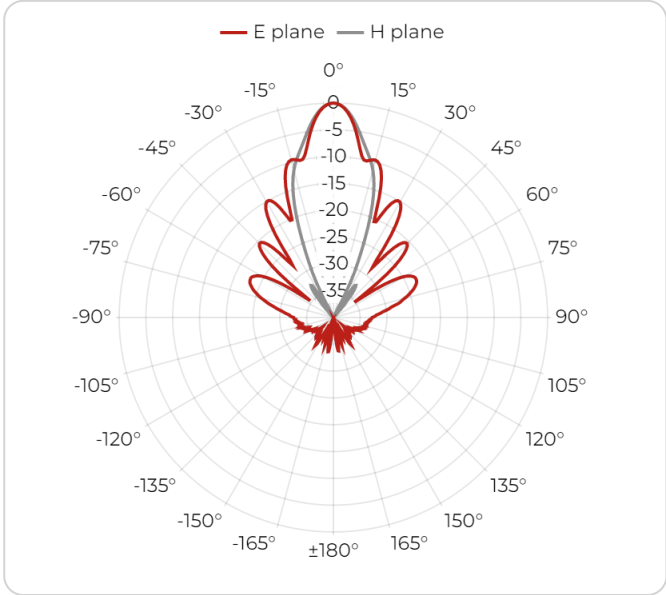
21 GHz



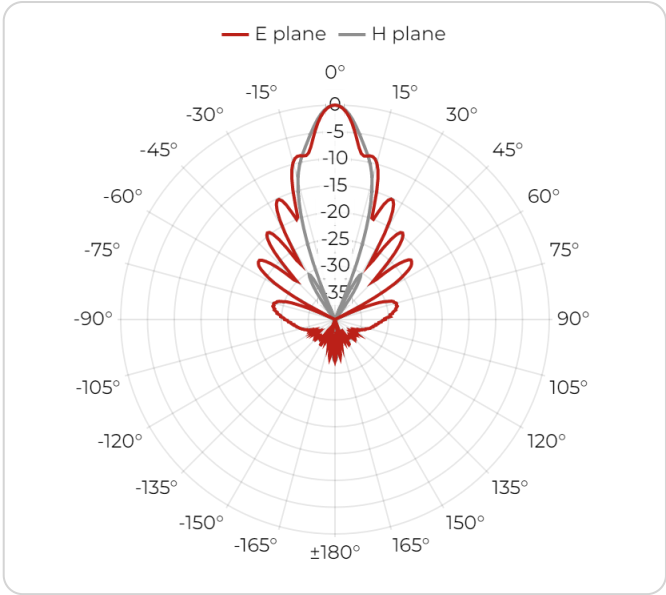
25 GHz



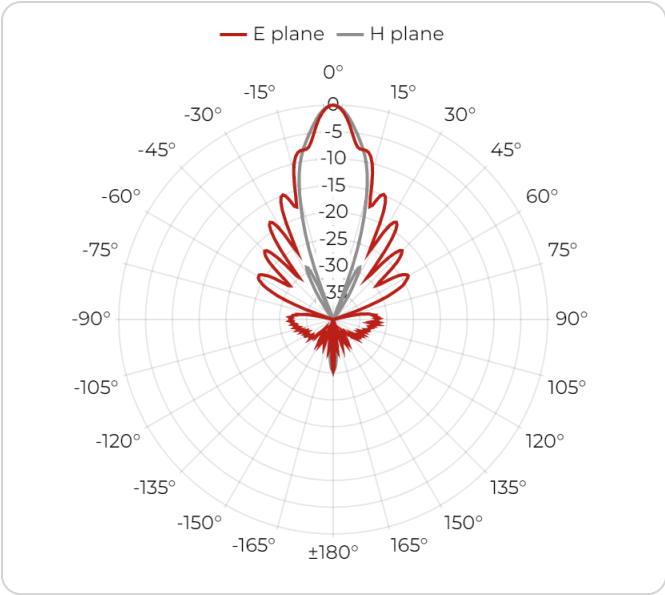
29 GHz



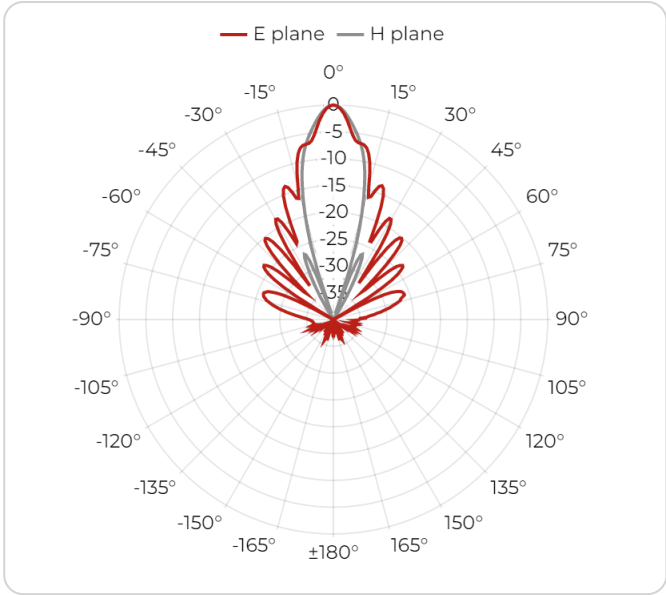
33 GHz



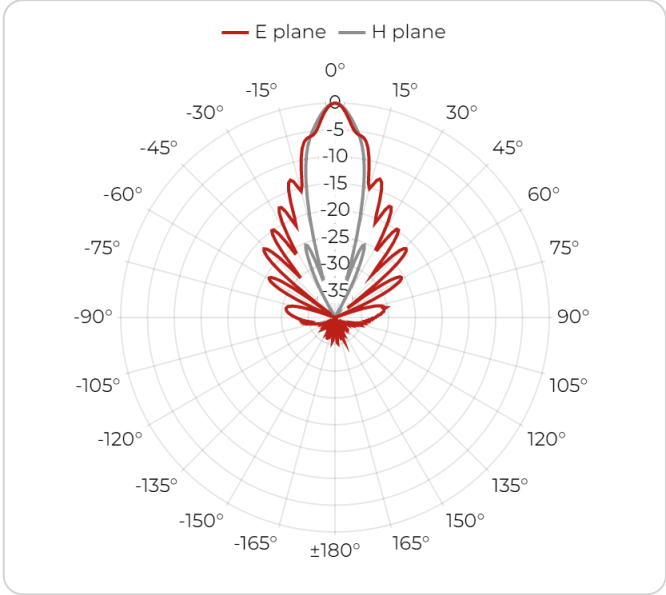
37 GHz



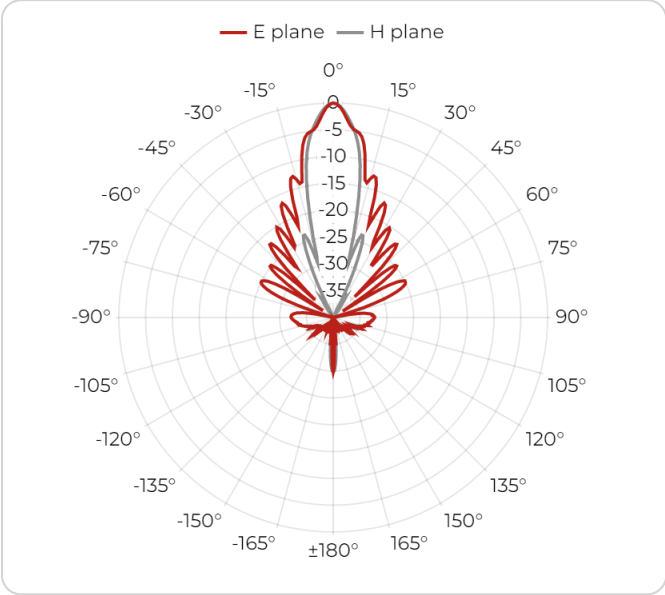
41 GHz



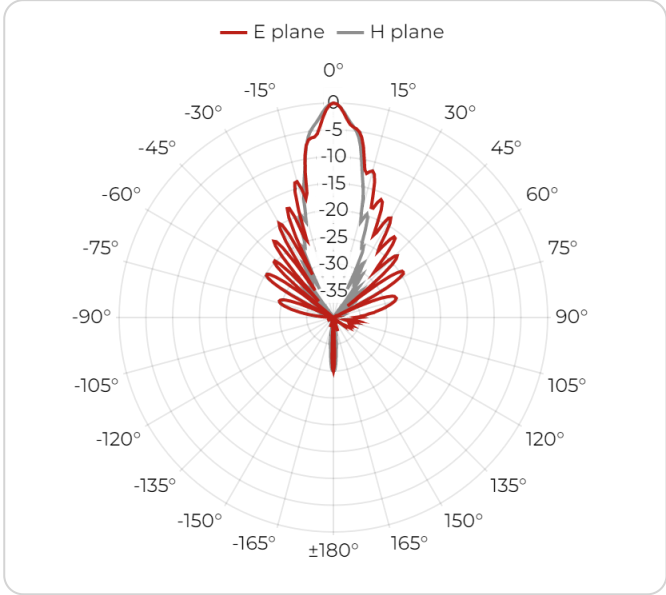
45 GHz



49 GHz



53 GHz



Packaging and Accessories

What's in a box

- DRH0953 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](#)

Custom services

- Custom mounting solutions
- Custom calibration data

Manufacturer Information

About Datasheet

Product information available also online at
<https://www.rfspin.com/product/drh0953/>

Data and specifications subject to change without notice.

Datasheet revision 02-2024.

© RFspin 2024

📍 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)