

This high-performance antenna boasts exceptional broadband characteristics, covering an impressive frequency band from 10 GHz to 67 GHz with a high Gain of more than 23dB. With its cutting-edge features and a reliable 1.85 mm connector, this antenna is your gateway to seamless connectivity across a wide range of 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 1.85mm type coaxial connector



Product Packaging Includes

- Linear polarized double ridged broadband horn antenna

Product Parameters

PRODUCT IDENTIFICATION

Product Name	DRH1067
Product Category	Double Ridged Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	10 GHz – 67 GHz
VSWR (max.)	1.8
VSWR (avg.)	1.3
Impedance	50 Ohm
Connector	1.85mm (female)
Power (CW / Peak)	5 W / 10 W
Antenna Factor	36 – 43 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	59 mm (2.323 in)
Height	158 mm (6.220 in)
Depth	43 mm (1.693 in)
Weight	0.267 kg (0.589 lb)

OPERATING CONDITIONS

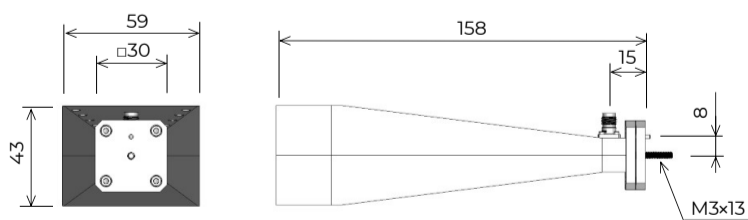
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

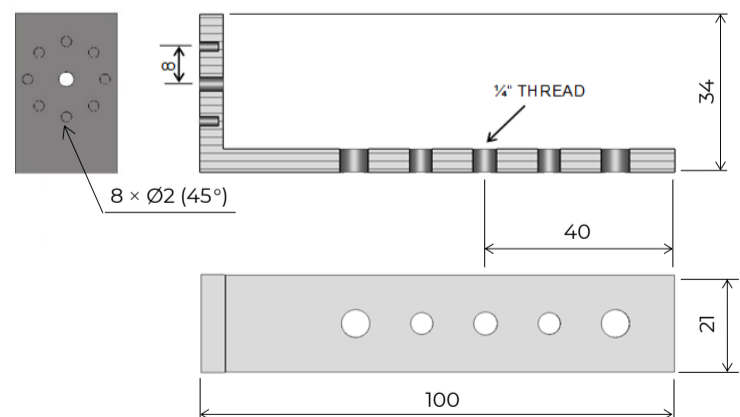
Mounting	Adapter with ¼ inch inner thread, supplied with antenna
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Mechanical Drawings

Antenna



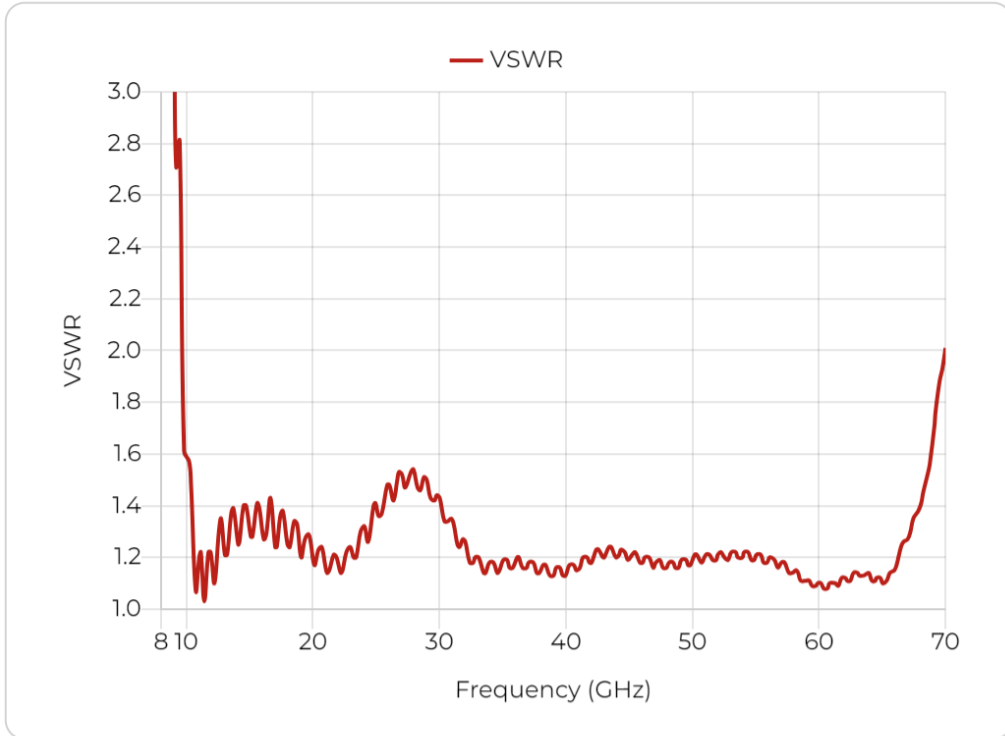
Mounting flange



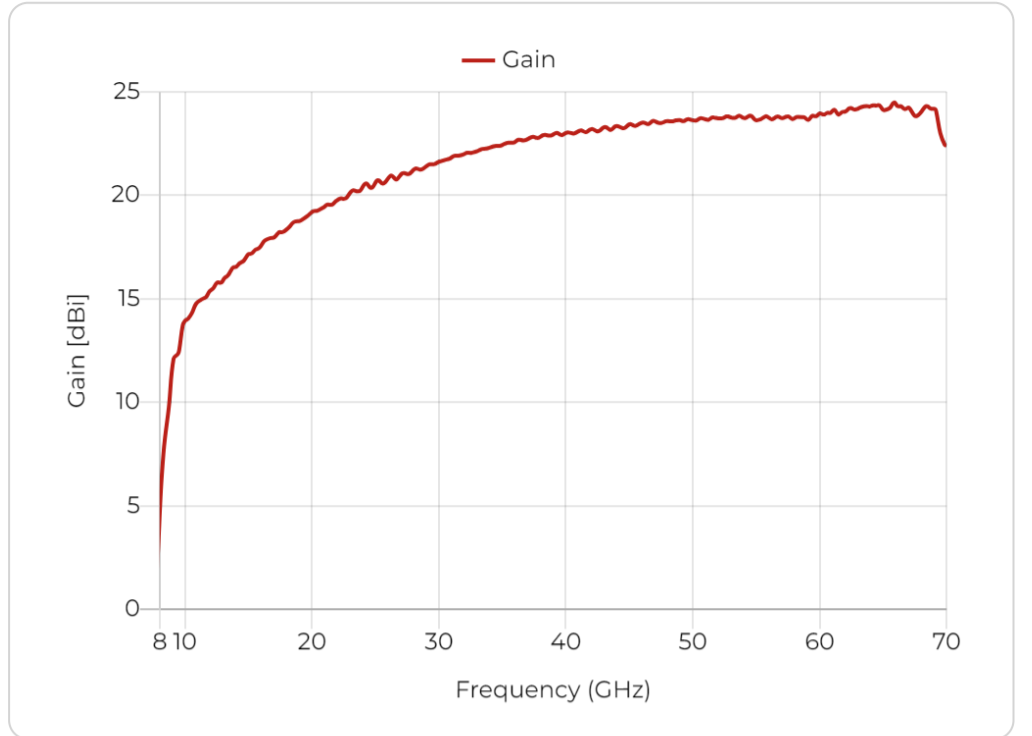
Parameters and Performance

Typical parameters

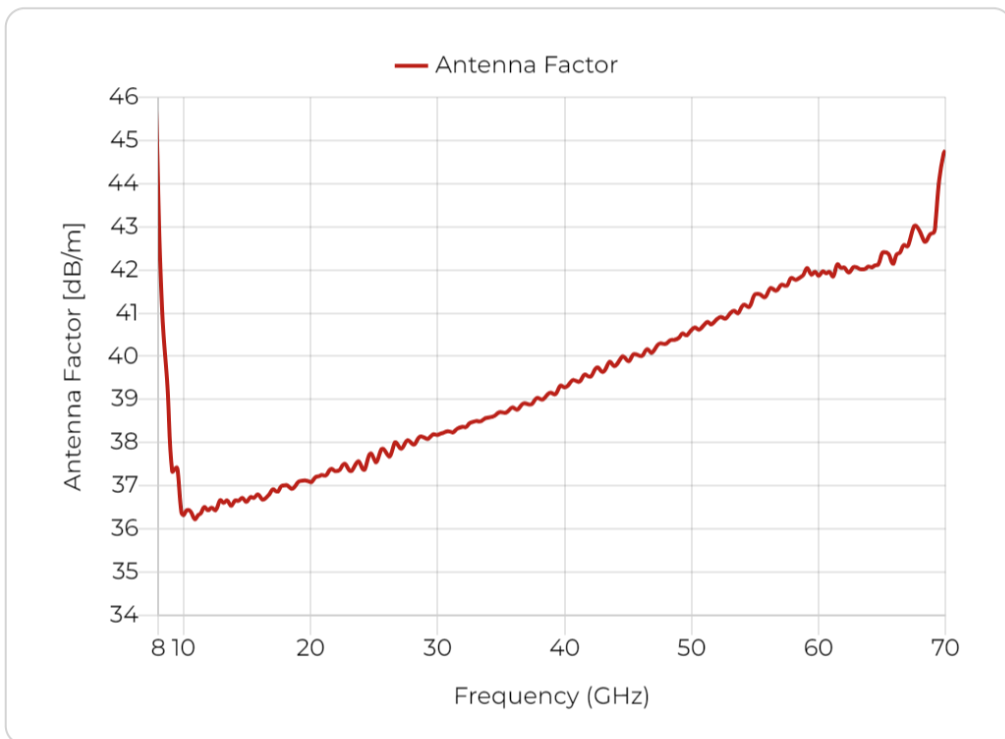
VSWR



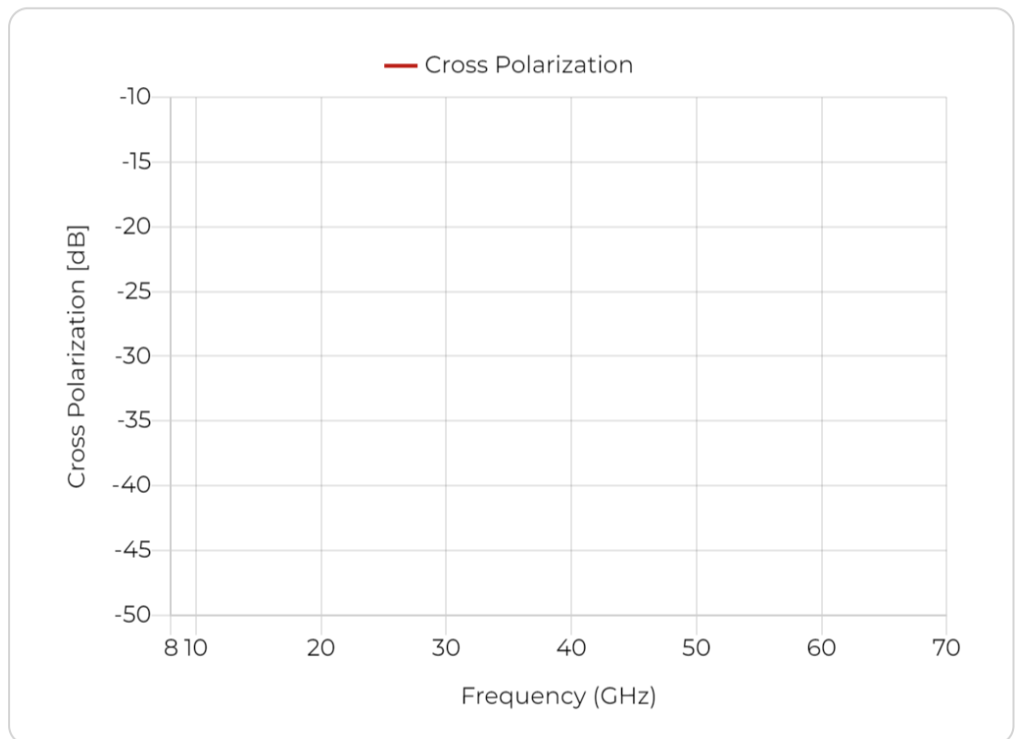
Gain



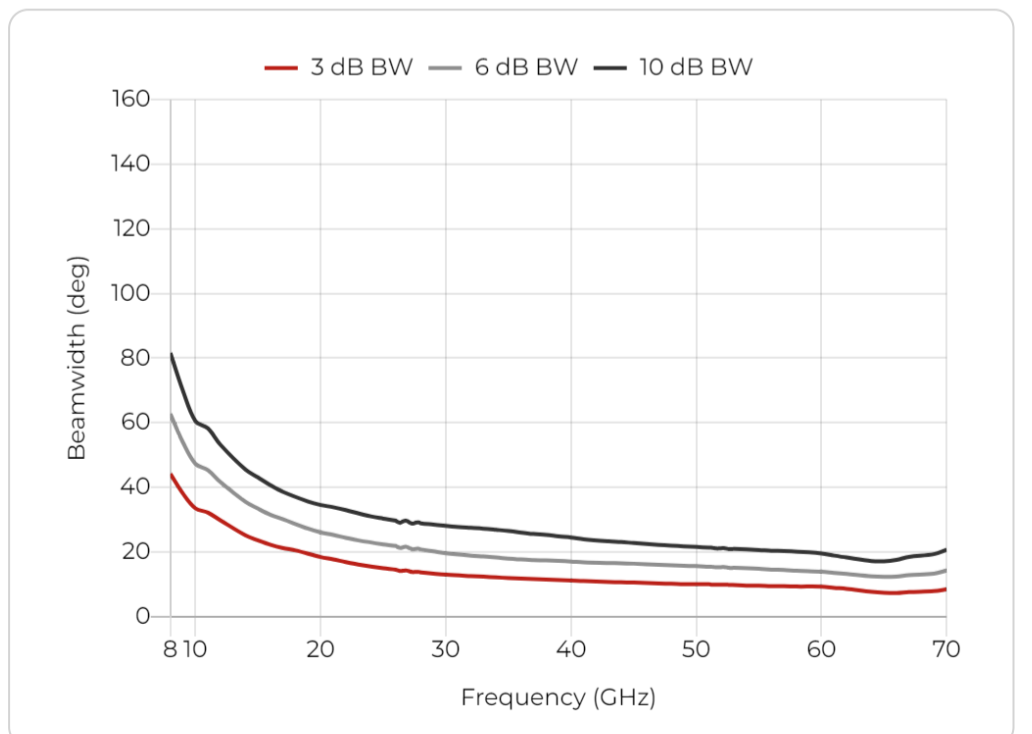
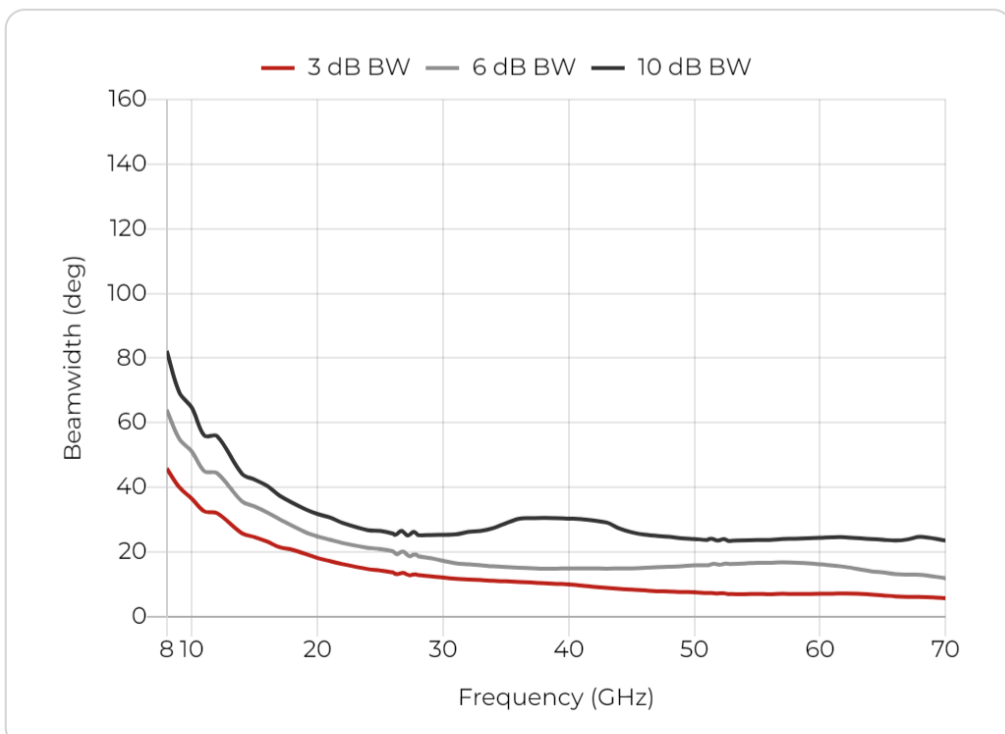
Antenna Factor



Cross Polarization

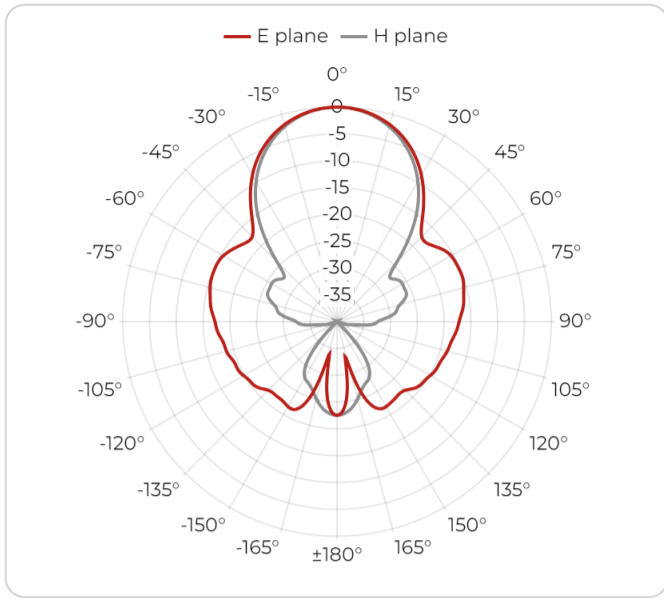


Beamwidth

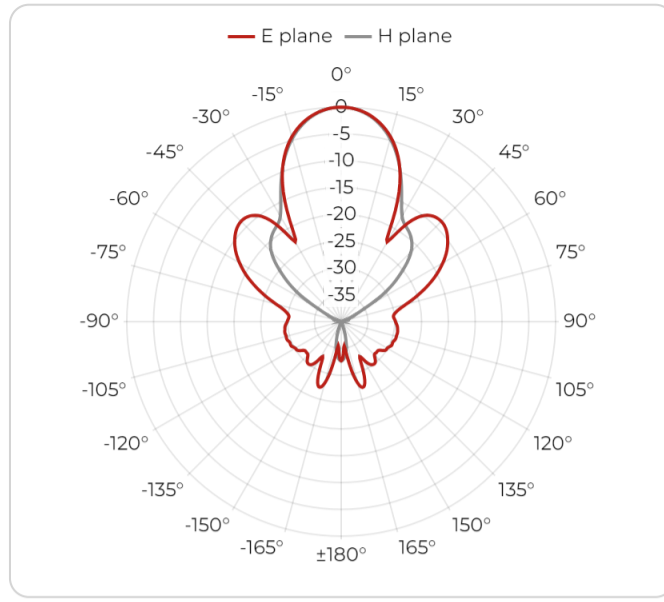


Radiation Patterns

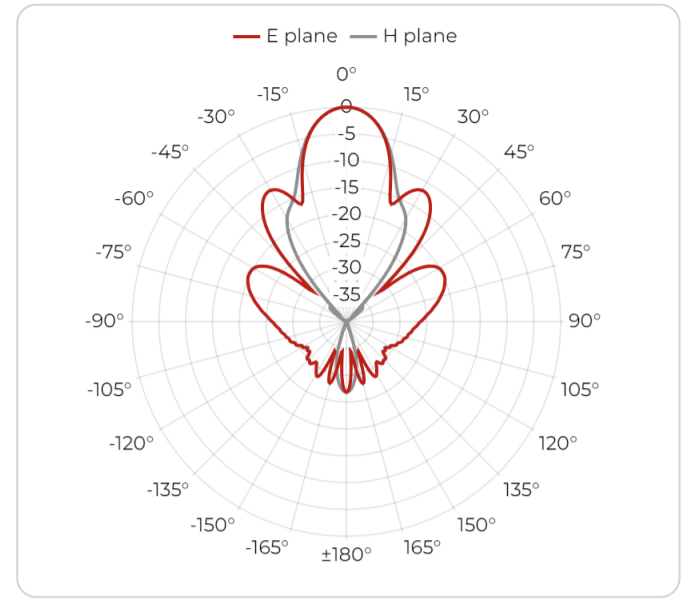
10 GHz



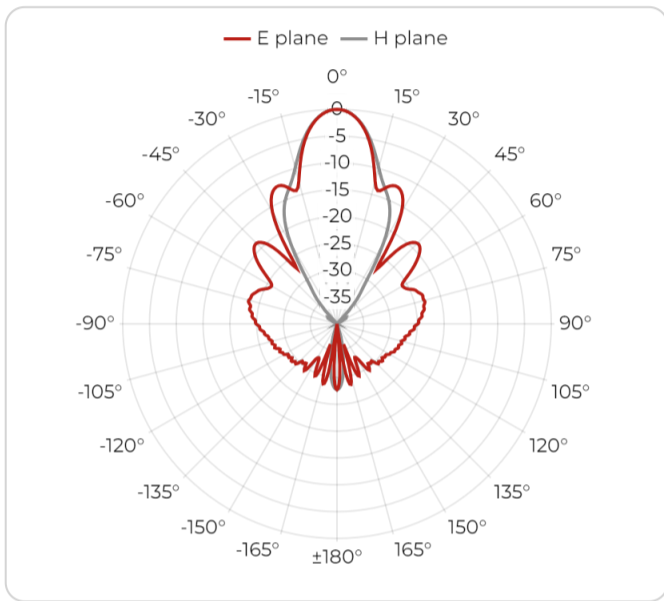
15 GHz



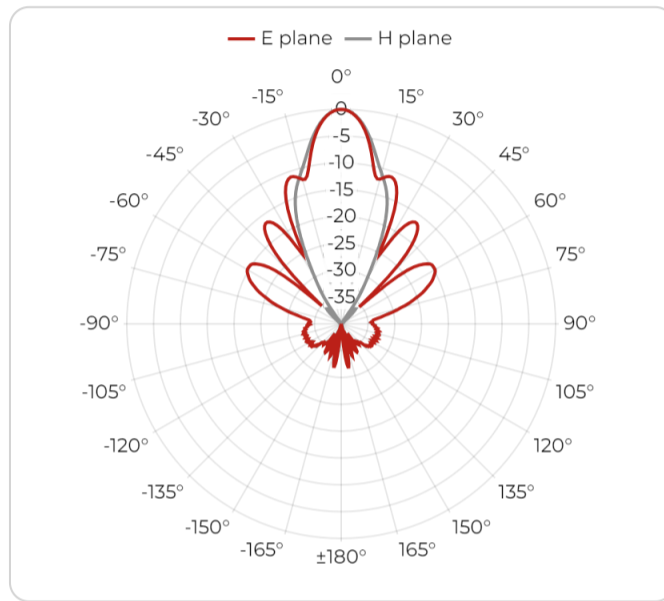
20 GHz



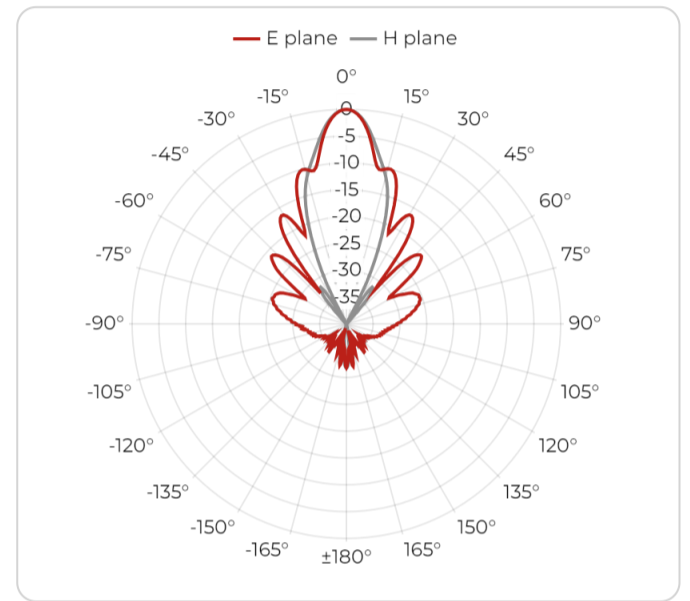
25 GHz



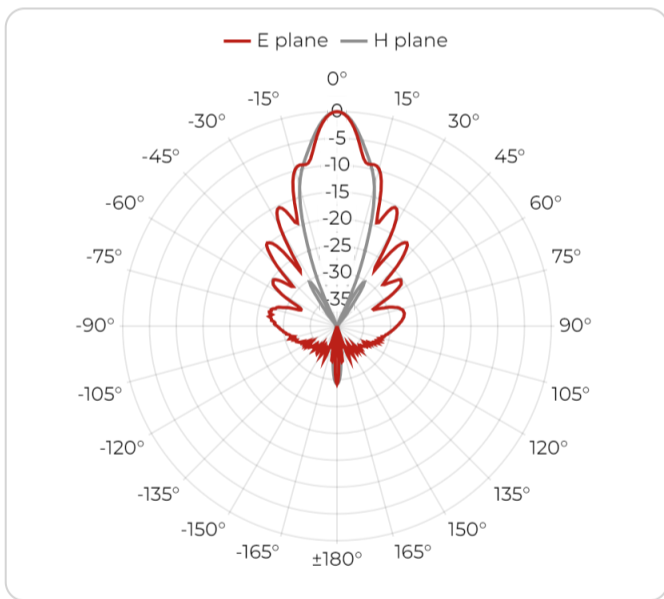
30 GHz



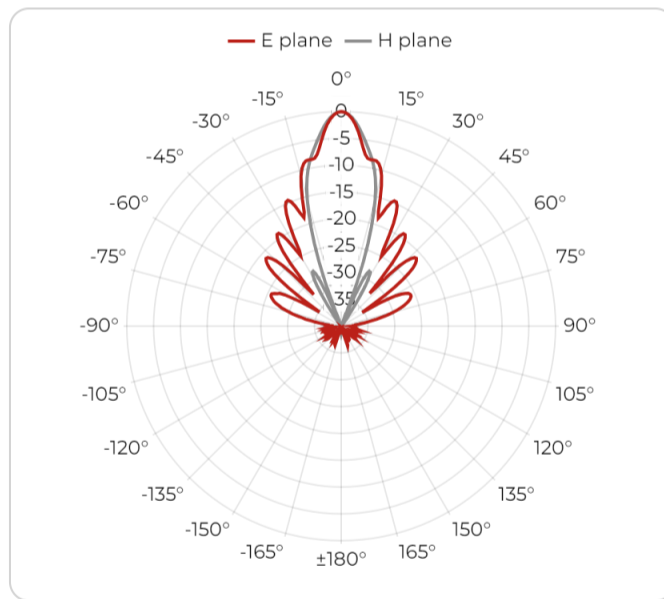
35 GHz



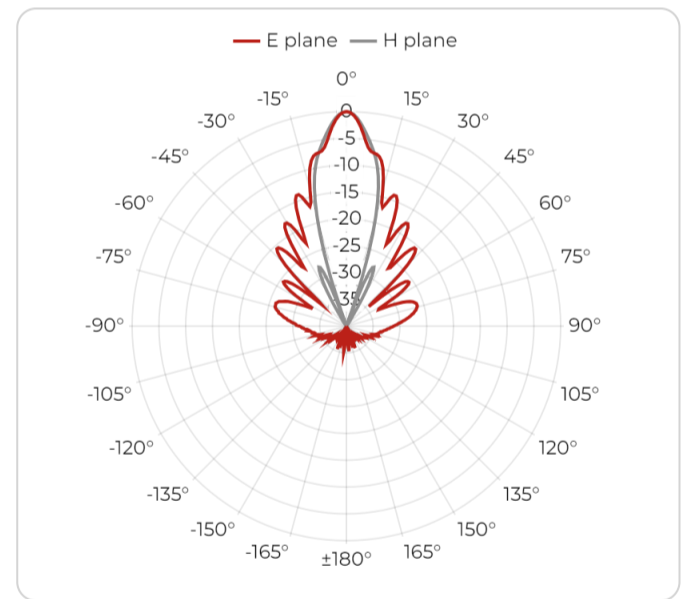
40 GHz



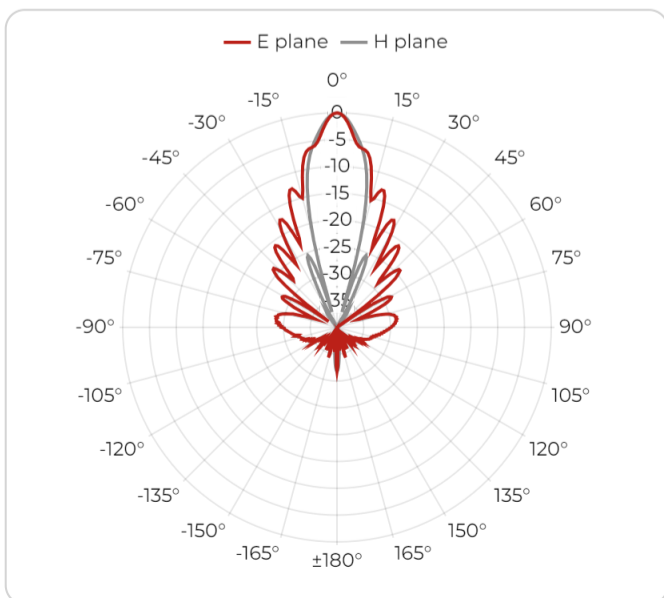
45 GHz



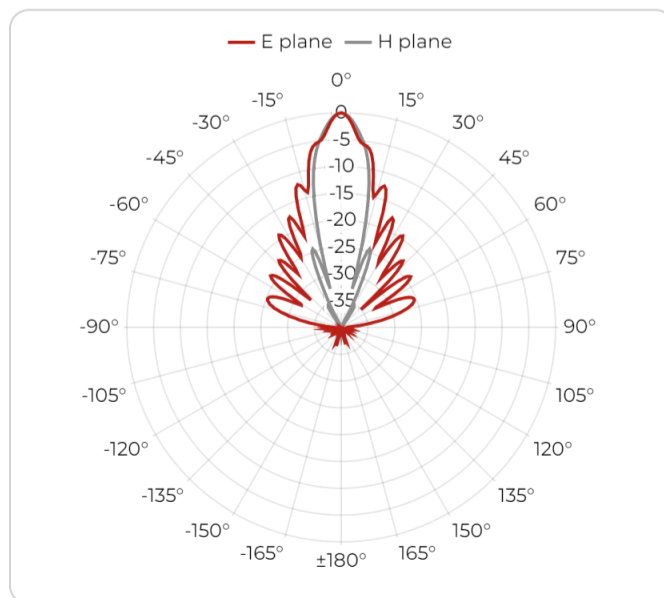
50 GHz



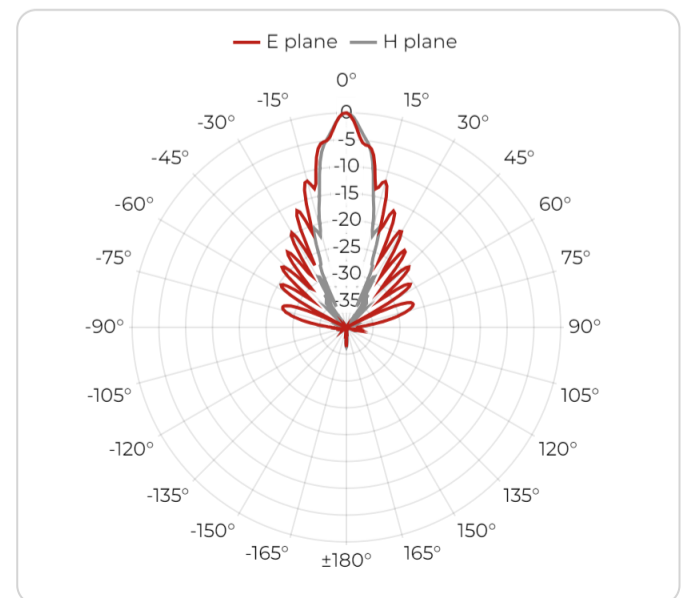
55 GHz



60 GHz



67 GHz



Packaging and Accessories

What's in a box

- DRH1067 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
- Radome waterproof enclosure

Manufacturer Information

About Datasheet

Product information available also online at
<https://www.rfspin.com/product/drh1067/>

Data and specifications subject to change without notice.

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