

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	<b>DRH1067</b>
Product Category	<b>Double Ridged Horn Antenna</b>

### ELECTRICAL SPECIFICATIONS

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

### PHYSICAL SPECIFICATIONS

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

### OPERATING CONDITIONS

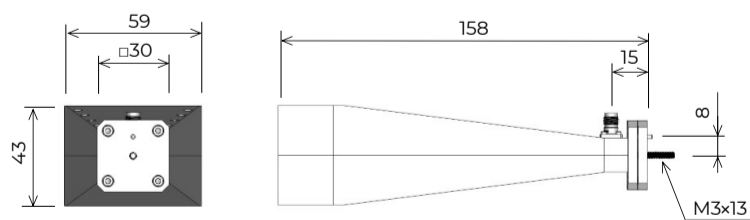
Rated Temperature Range	<b>0°C – +50°C</b>
Storage Temperature Range	<b>-20°C – +70°C</b>

### MOUNTING FLANGE

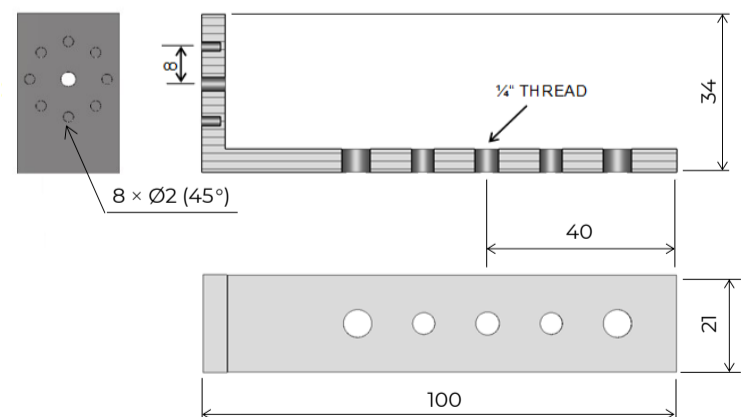
Mounting	<b>Adapter with ¼ inch inner thread, supplied with antenna</b>
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## Mechanical Drawings

Antenna



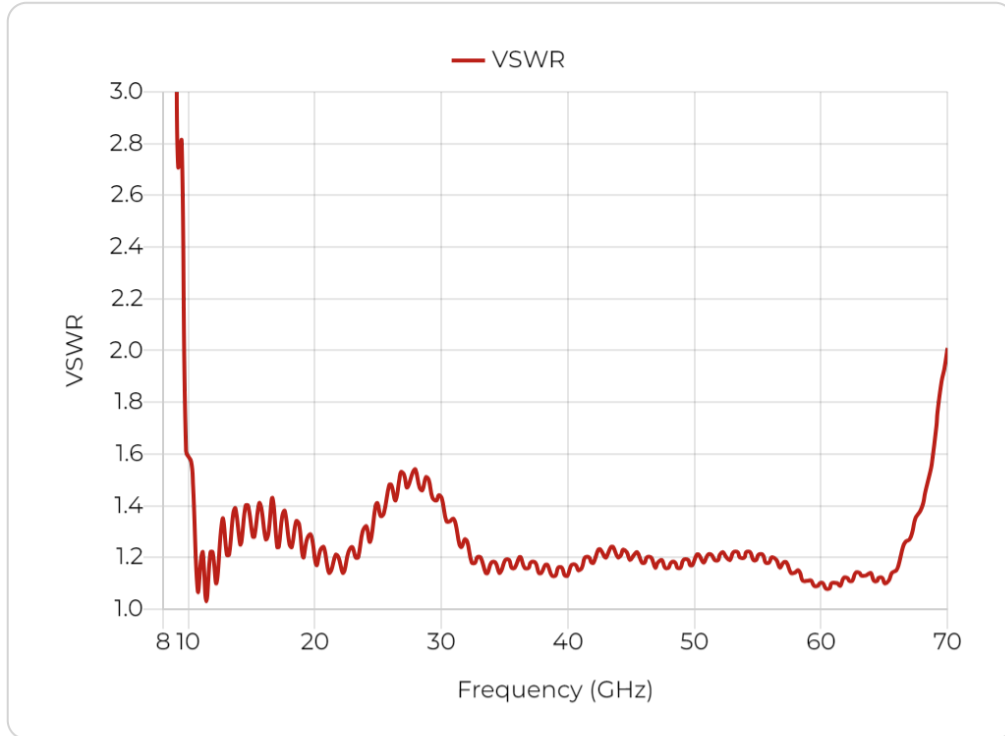
Mounting flange



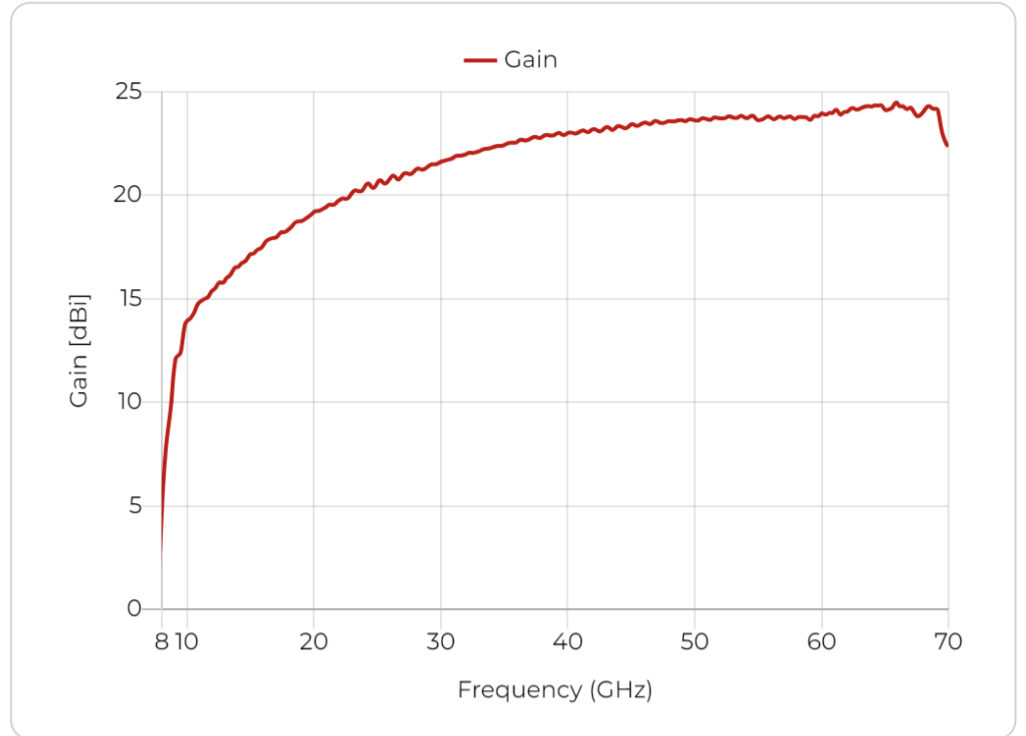
# Parameters and Performance

## Typical parameters

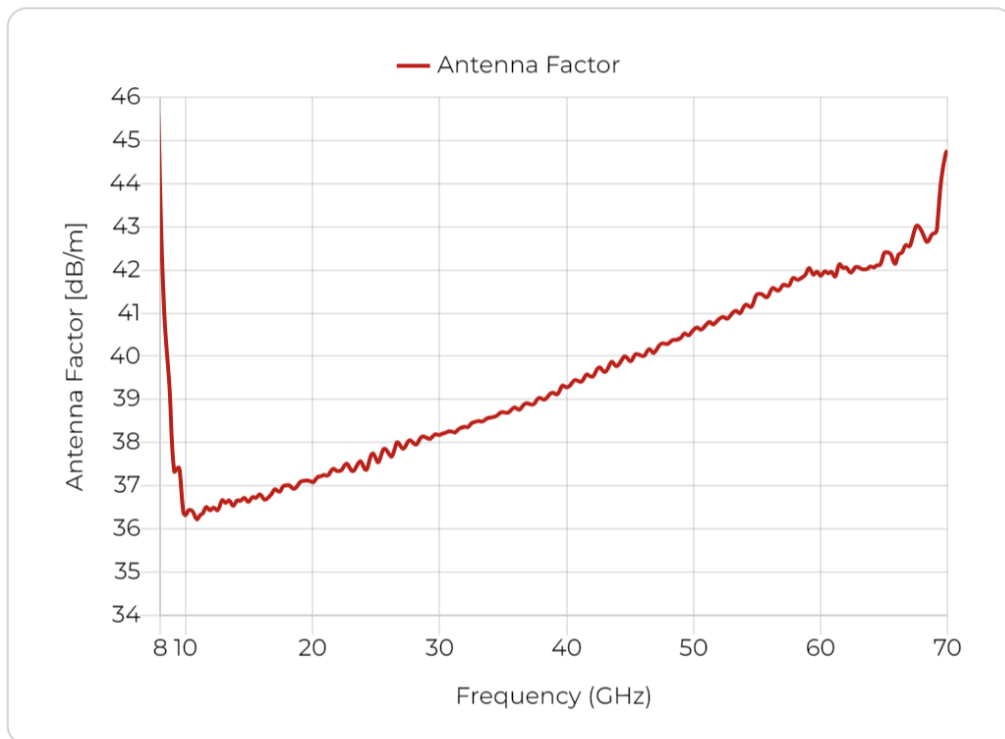
VSWR



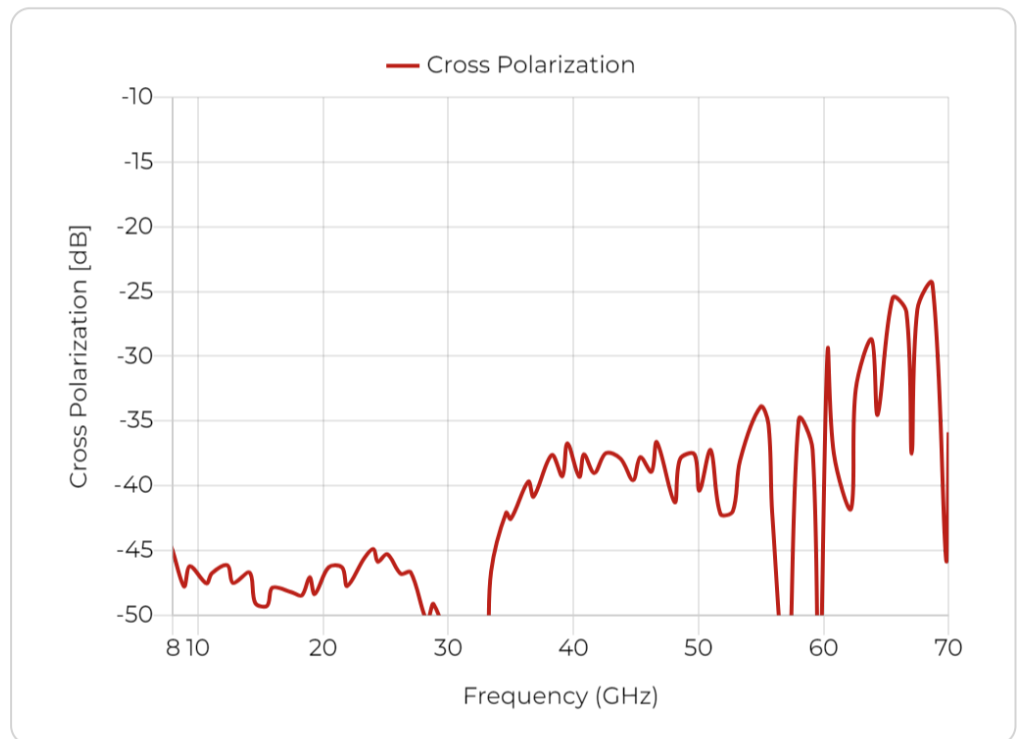
Gain



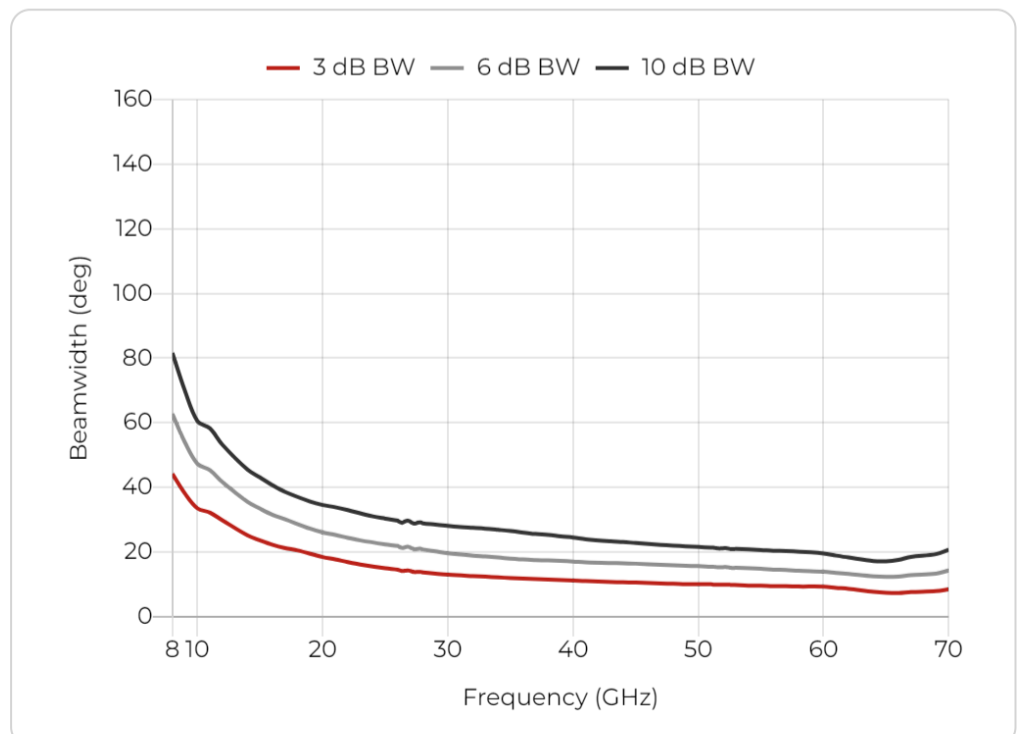
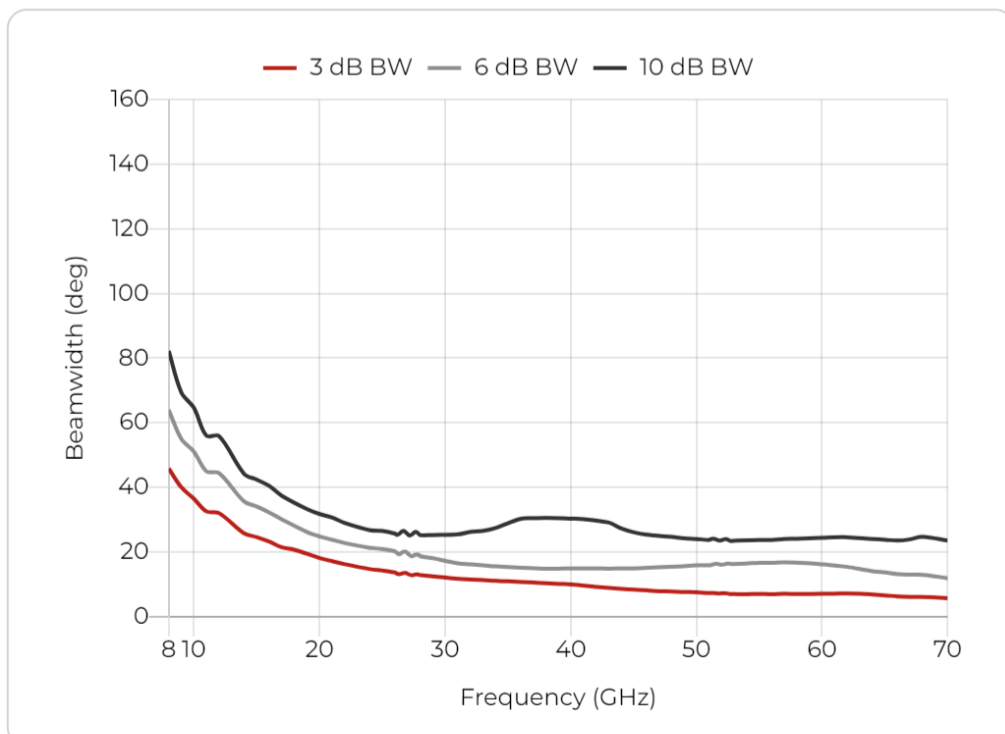
Antenna Factor



Cross Polarization

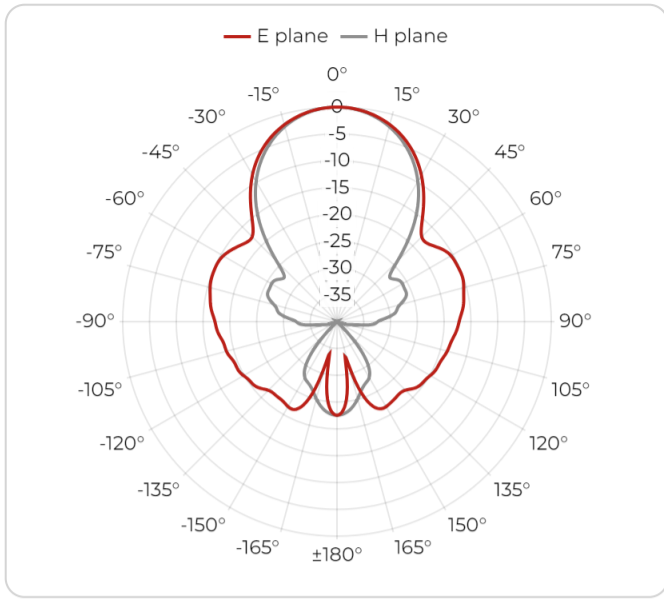


## Beamwidth

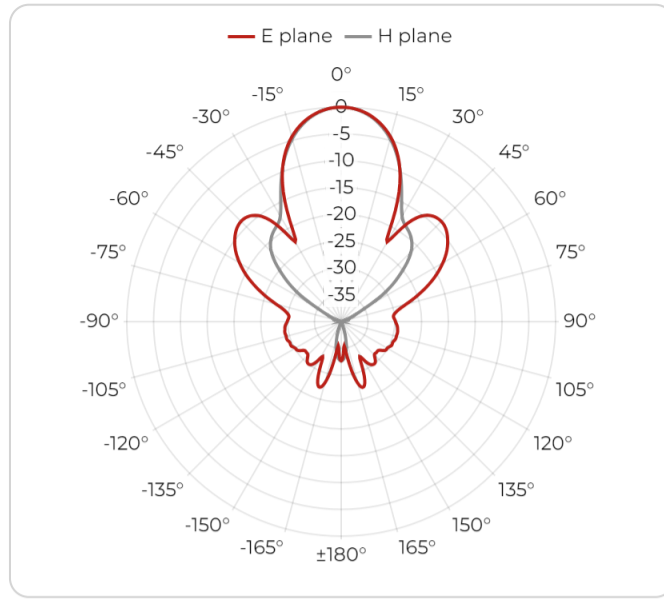


# Radiation Patterns

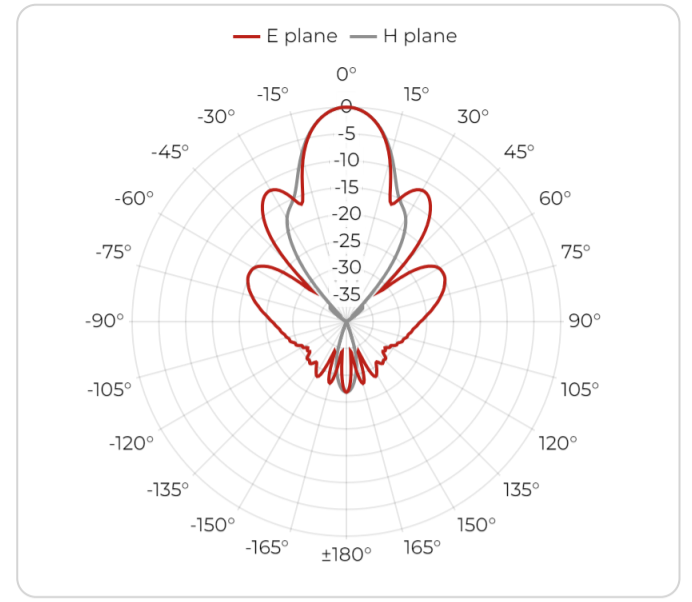
10 GHz



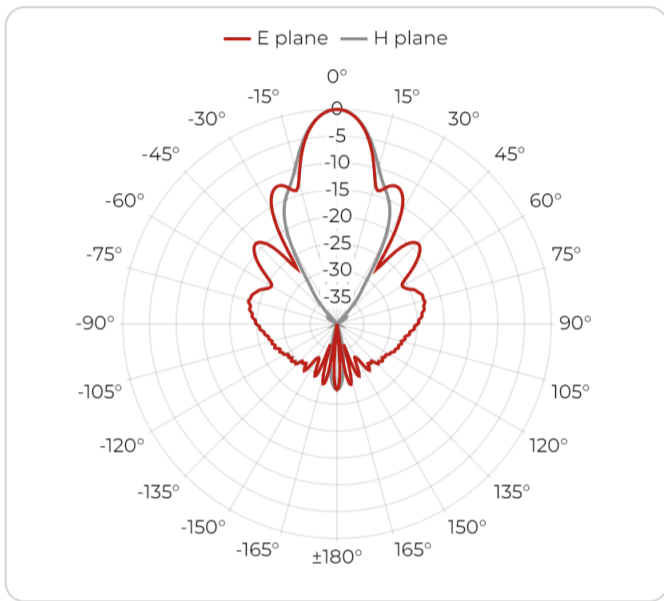
15 GHz



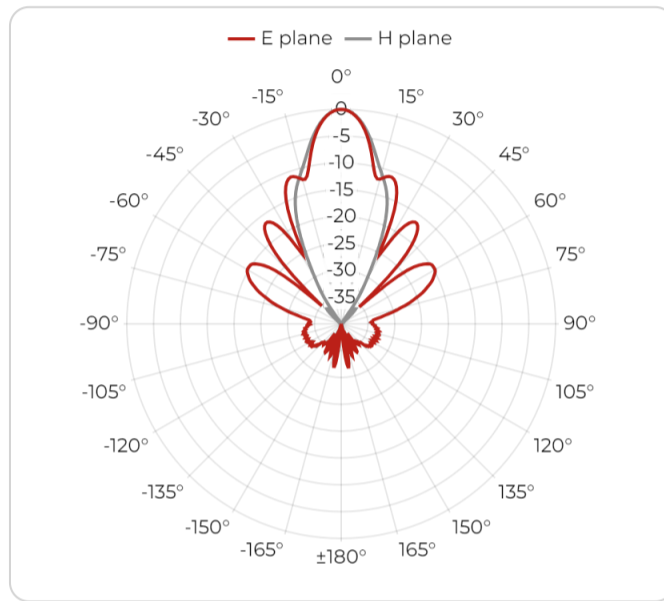
20 GHz



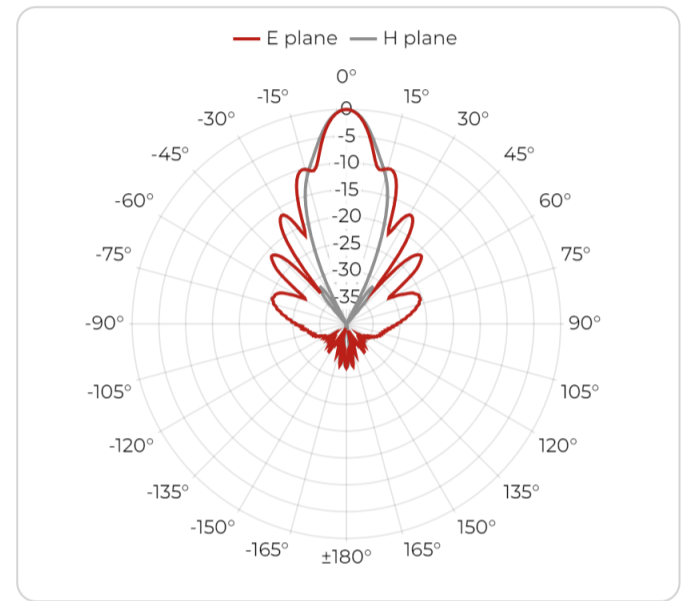
25 GHz



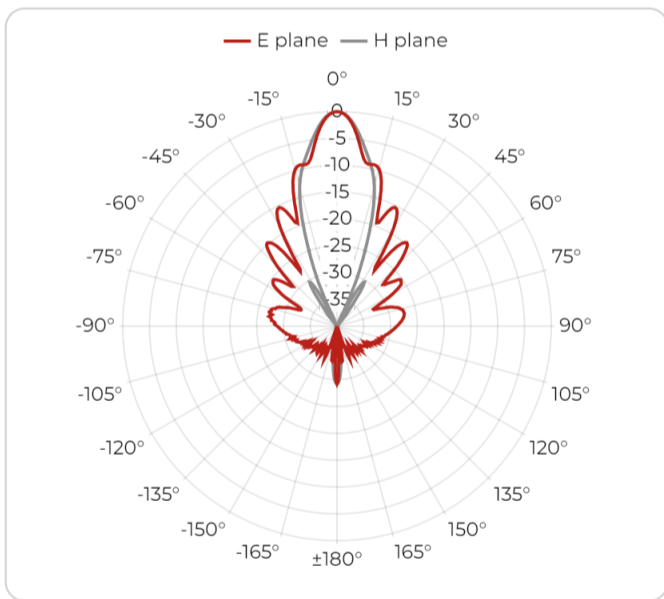
30 GHz



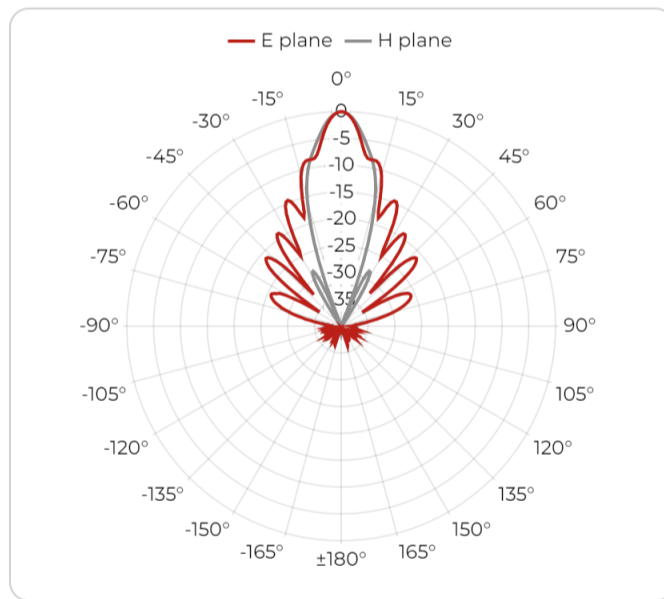
35 GHz



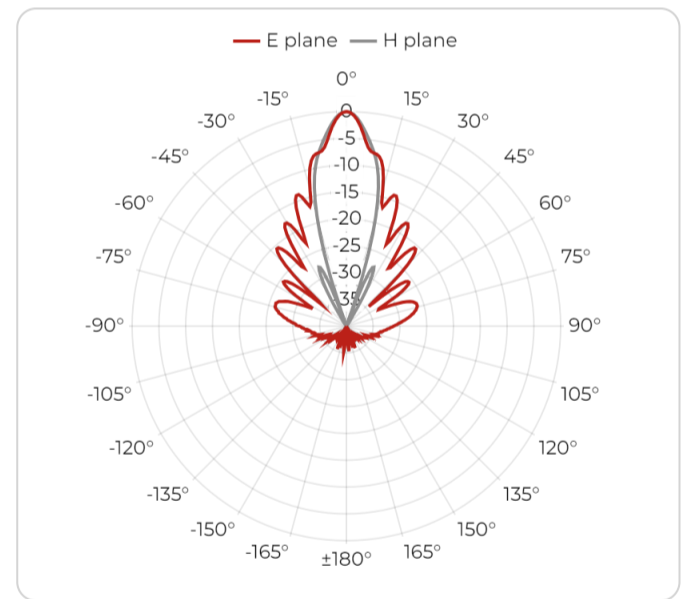
40 GHz



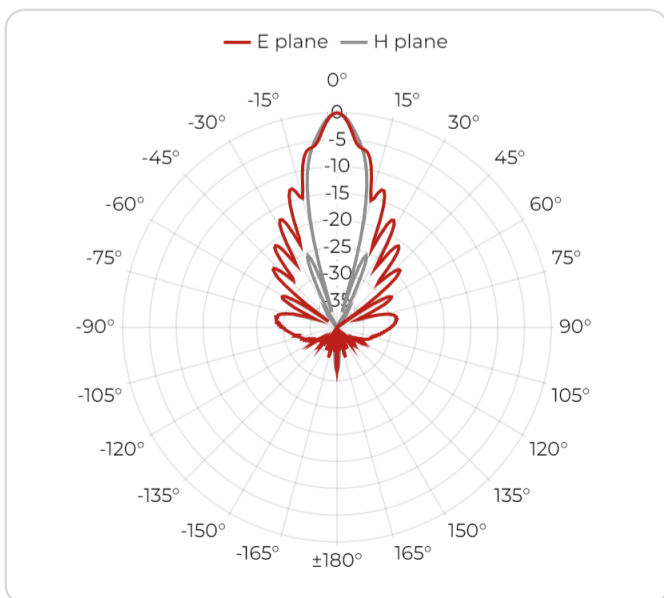
45 GHz



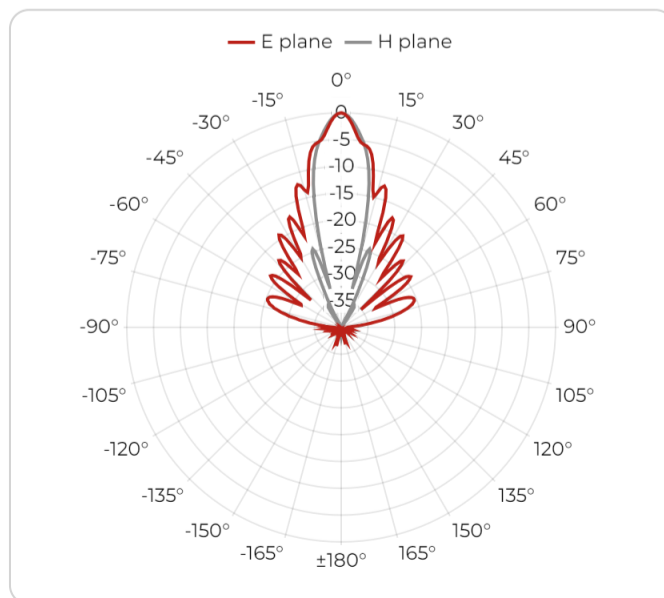
50 GHz



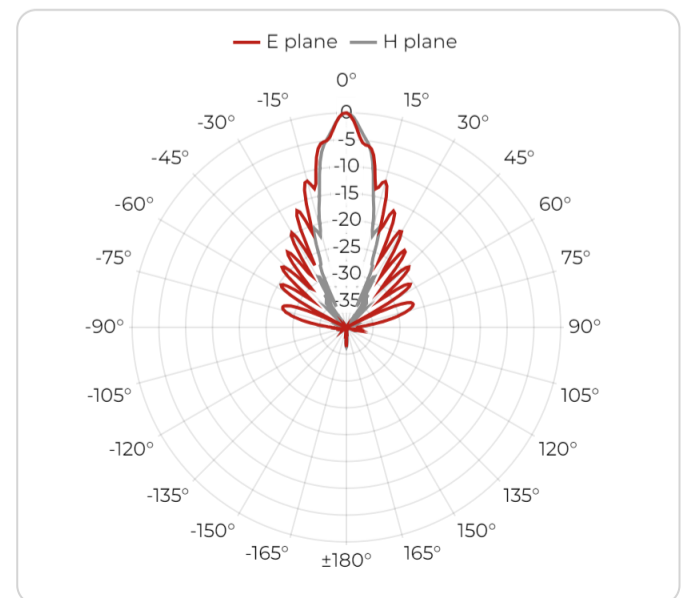
55 GHz



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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