

DRH370

Double Ridged Horn Antenna | 370 MHz – 6 GHz



The DRH370 is one of our best-selling antennas for low-frequency applications, widely trusted across industries. With a high gain of up to 16 dBi and low VSWR, it is well-suited for EMC testing, radio monitoring, and emission measurements. Operating from 370 MHz to 6 GHz, each unit is individually calibrated in our anechoic chamber, with calibration data available for download on our website.

KEY FEATURES AND TECHNOLOGIES



Suitable for EMC/EMI



QR code to access Antenna Portal

ELECTRICAL SPECIFICATIONS

Frequency Range	370 MHz - 6 GHz	Gain	3.5 - 16 dBi
VSWR (avg)	1.2	Antenna Factor	17 - 33 dB/m
VSWR (max)	1.6	Power (CW/Peak)	600 W / 800 W
Impedance	50 Ohm	Cross Polarization	27 dB
Connector	N (female)	Polarization	Linear

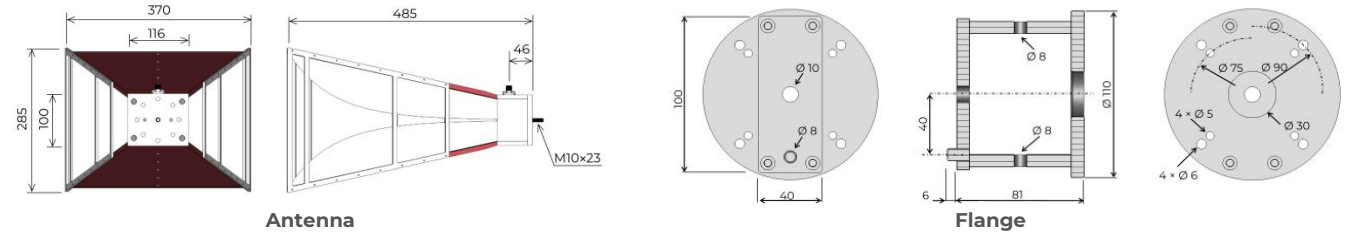
PHYSICAL SPECIFICATIONS

Width	370 mm (14.567 in)
Depth	285 mm (11.22 in)
Height	485 mm (19.094 in)
Weight	3.5 kg (7.716 lb)

OPERATING CONDITIONS

Rated Temperature	0 °C to 50 °C
Storage Temperature	-20 °C to 70 °C

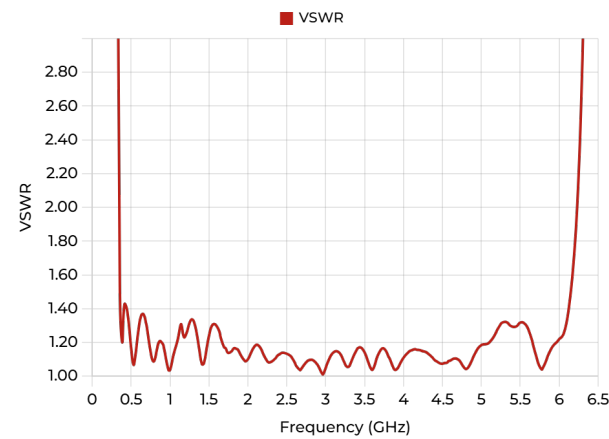
MECHANICAL DRAWINGS



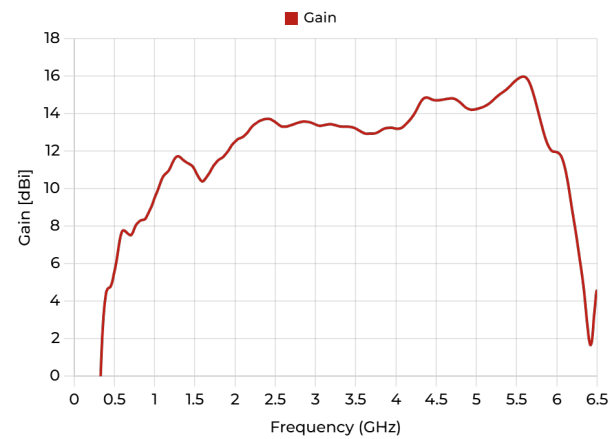
PARAMETERS AND PERFORMANCE

TYPICAL PARAMETERS

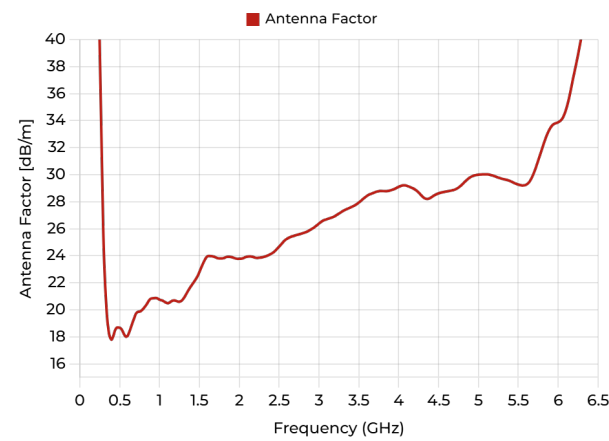
VSWR



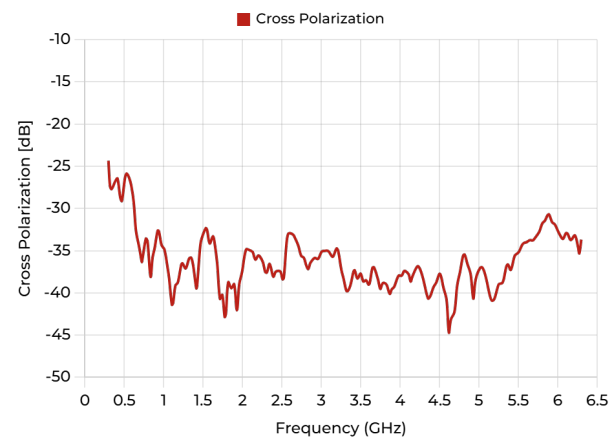
Gain



Antenna Factor

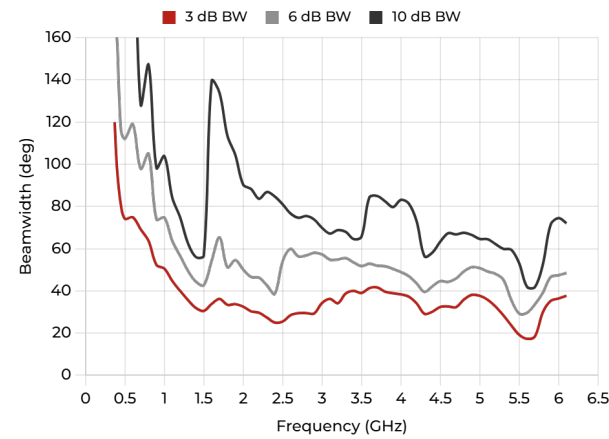


Cross Polarization

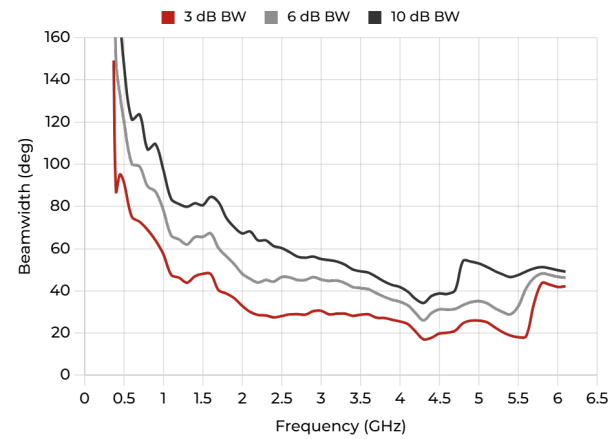


BEAMWIDTH

Port A, E plane

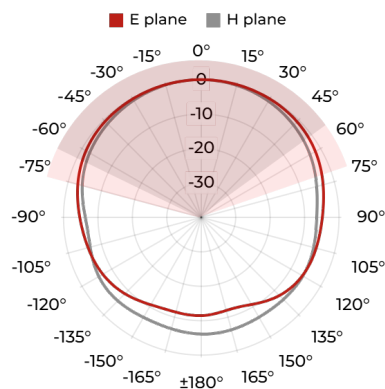


Port A, H plane

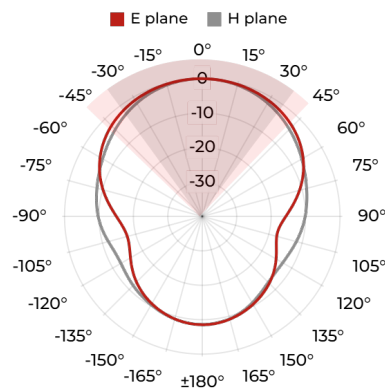


RADIATION PATTERNS

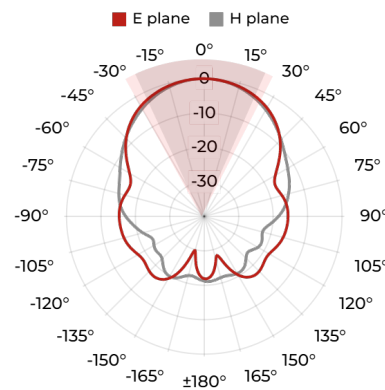
0.37 GHz



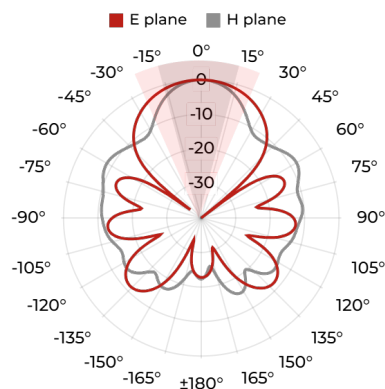
0.5 GHz



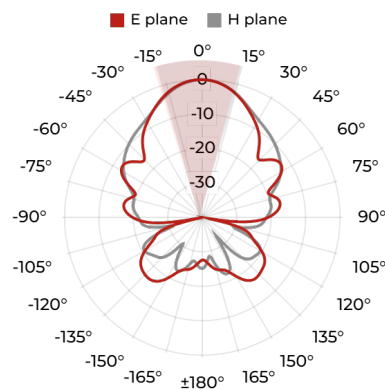
1 GHz



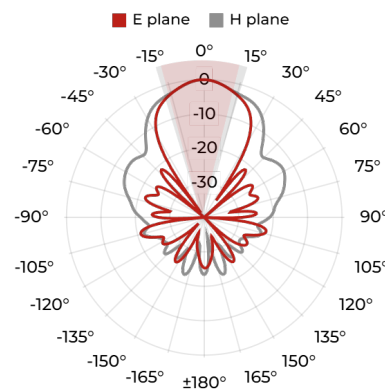
1.5 GHz



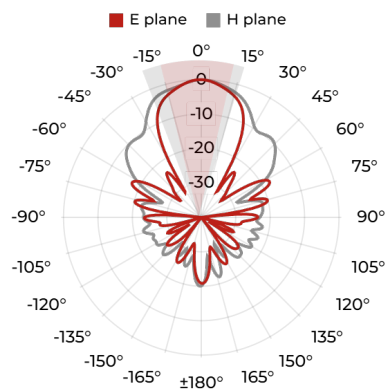
2 GHz



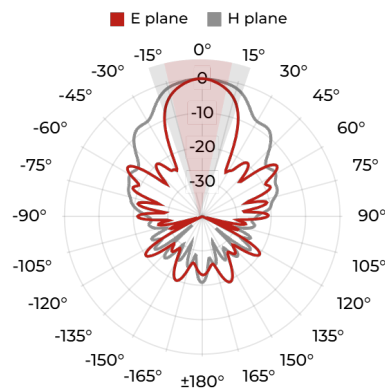
3 GHz



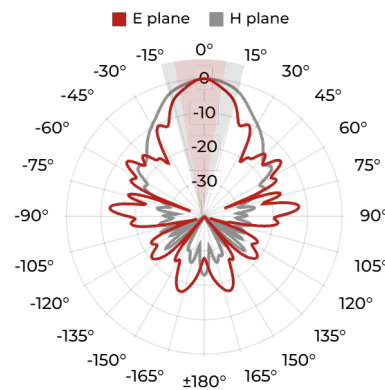
3.5 GHz



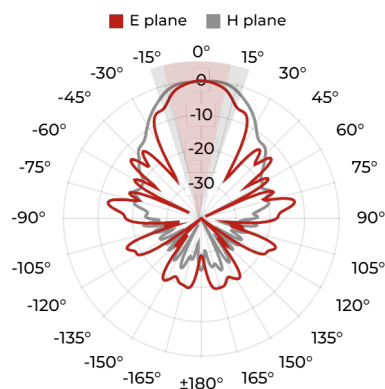
4 GHz



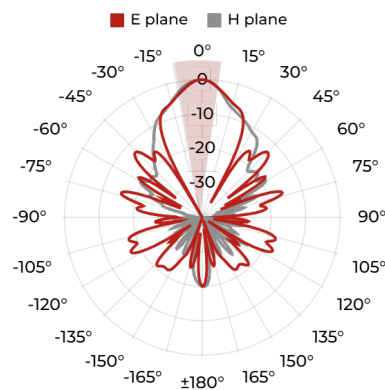
4.5 GHz



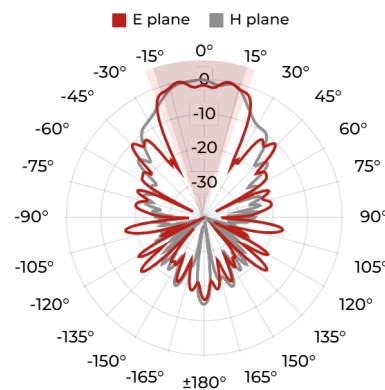
5 GHz



5.5 GHz



6 GHz



PACKAGING AND ACCESSORIES

Package Contents

- DRH370 Antenna
- Factory calibration certificate
- Full calibration report of each antenna
- QR code accessing online portal
- Calibration test dataset (available online)
- Universal antenna mount

Custom Services

- Custom mounting solutions
- Custom calibration data

Optional Accessories

- FAS01 Antenna Stand
- PAS02 Antenna Stand

RF SPIN MANUFACTURING EXCELLENCE

At RF SPIN, we maintain complete control over the entire antenna lifecycle through our modern facility in Nová Paka, equipped with state-of-the-art machinery. From initial design concepts and development to precision manufacturing and final testing, everything is handled in-house by our experienced team.

This complete vertical integration allows us to maintain the highest quality standards at every stage, ensuring exceptional precision and performance that consistently outperforms competitors. Our comprehensive approach eliminates external dependencies and enables rapid innovation with superior product reliability.



Surface Treatment

Our in-house passivation baths create protective layers ensuring optimal corrosion resistance and electrical conductivity. Anodizing technology increases durability in harsh conditions while enabling customized coloring for client branding.

In-house Antenna Measurements

Our antenna measurement facility features two modern anechoic chambers equipped with both far-field and near-field measurement capabilities. The system operates across an impressive frequency range of 0.7 GHz - 120 GHz (FF) and 2 GHz - 50 GHz (NF).



Antenna Portal

Access all critical antenna data instantly through a simple QR code scan. This digital passport eliminates paperwork, providing immediate access to specifications, documentation, and integration-ready data.

Complete Antenna Data Just One Scan Away



www.rfspin.com/antenna-portal

ABOUT RF SPIN

Experts in Precision Measurement Antennas

At RF SPIN, we maintain complete control over the entire antenna lifecycle through our modern facility in Nová Paka, equipped with state-of-the-art machinery. From initial design concepts and development to precision manufacturing and final testing, everything is handled in-house by our experienced team.



Industry Leaders Trust Our Technology

Our customers include major global companies such as Airbus Defence and Space, Apple, SpaceX, Mercedes-Benz, NASA, and prestigious international universities. We develop, design, and manufacture our antennas using innovative technologies and state-of-the-art machining equipment at our production facility in Nová Paka.



ADDITIONAL RESOURCES

Online Catalog

Browse our entire product range online with comprehensive parameters and category filtering.



[www.rfspin.com/
catalog](https://www.rfspin.com/catalog)

PDF Portfolio Guide

Download our product guide in preferred print format for quick product comparison and overview.



[www.rfspin.com/
portfolioguide](https://www.rfspin.com/portfolioguide)

DOCUMENT INFORMATION

Complete product information available at
<https://www.rfspin.com/product/drh370>
Datasheet revision: 09-2025
Data and specifications subject to change.
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MANUFACTURER

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