



Quad Ridged Horn Antenna

The addition of two-spirit levels is a matter of course, thanks to which your measurement in both planes will be very accurate and fun.

Features and Specifications

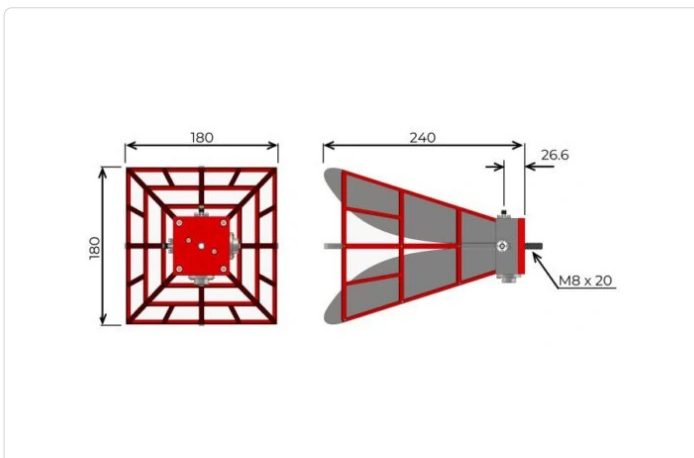
<p><b>Technical Performance</b></p> <ul style="list-style-type: none"> <li>Wide bandwidth</li> <li>Low return loss</li> <li>Individual calibration</li> </ul>	<p><b>Design and Surface Treatment</b></p> <ul style="list-style-type: none"> <li>Corrosion-resistant coating</li> <li>Includes standard mount</li> <li>Very precise spirit level for both polarizations</li> </ul>	<p><b>Manufacturing Technology</b></p> <ul style="list-style-type: none"> <li>Manufactured using a high grade aluminum alloy</li> <li>Extremely durable</li> <li>High quality SMA type coaxial connector</li> </ul>	<p><b>Product Packaging Includes</b></p> <ul style="list-style-type: none"> <li>Adapter with 1/4 inch inner thread, supplied with antenna</li> <li>Linear polarized double ridged broadband horn antenna</li> </ul>
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Product Parameters

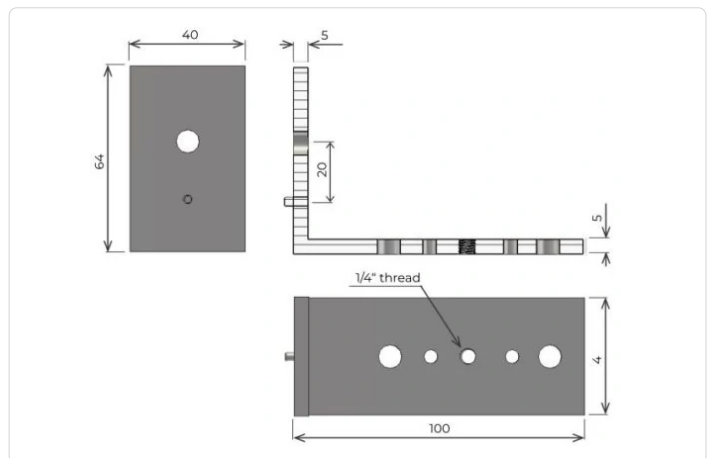
<p><b>PRODUCT IDENTIFICATION</b></p> <table border="1"> <tr> <td>Product Name</td> <td>QRH11</td> </tr> <tr> <td>Product Category</td> <td>Quad Ridged Horn Antenna</td> </tr> </table>		Product Name	QRH11	Product Category	Quad Ridged Horn Antenna	<p><b>PHYSICAL SPECIFICATIONS</b></p> <table border="1"> <tr> <td>Width</td> <td>180 mm (7.087 in)</td> </tr> <tr> <td>Height</td> <td>240 mm (9.449 in)</td> </tr> <tr> <td>Depth</td> <td>180 mm (7.087 in)</td> </tr> <tr> <td>Weight</td> <td>1.03 kg (2.271 lb)</td> </tr> </table>		Width	180 mm (7.087 in)	Height	240 mm (9.449 in)	Depth	180 mm (7.087 in)	Weight	1.03 kg (2.271 lb)										
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Mechanical Drawings

Antenna



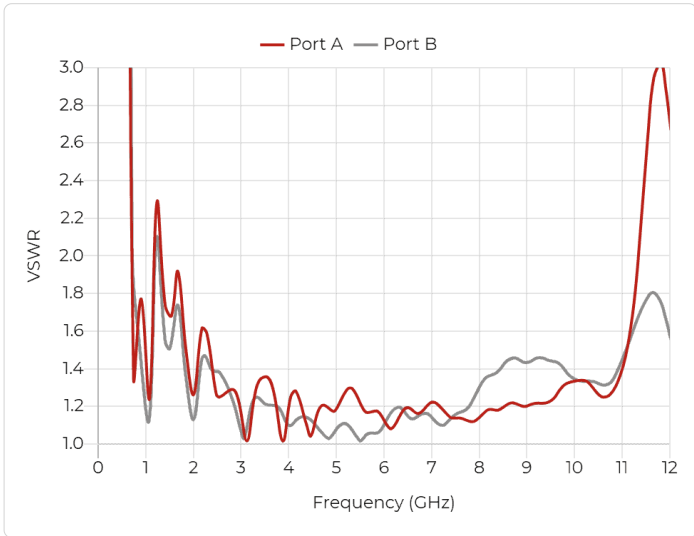
Mounting flange



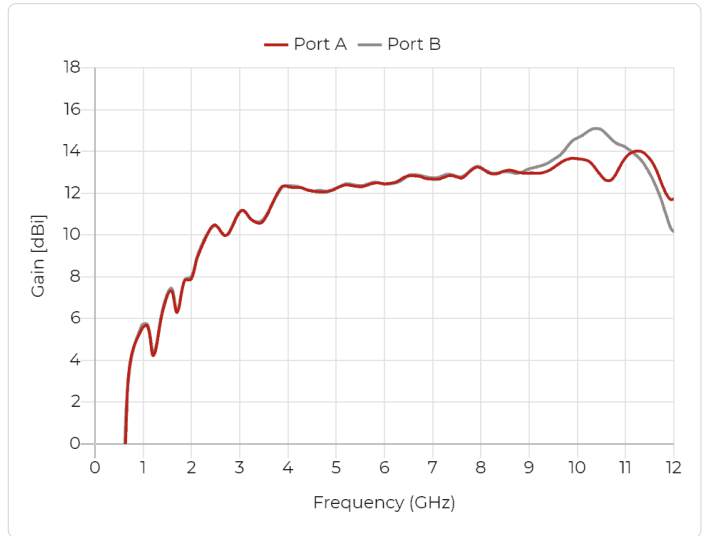
# Parameters and Performance

## Typical parameters

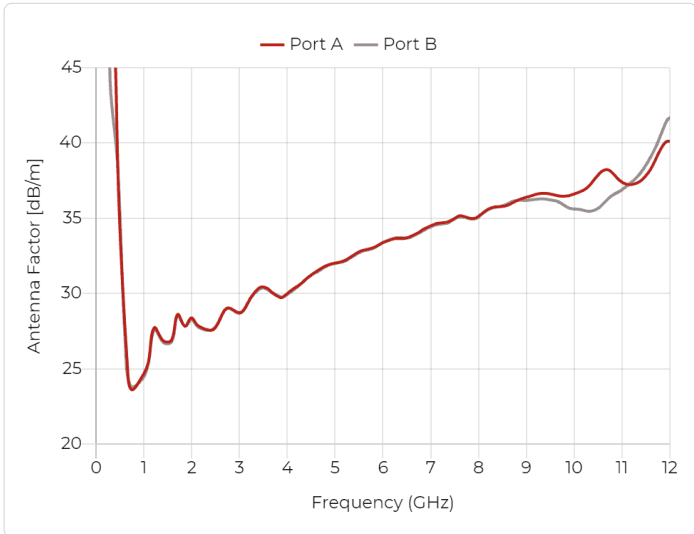
VSWR



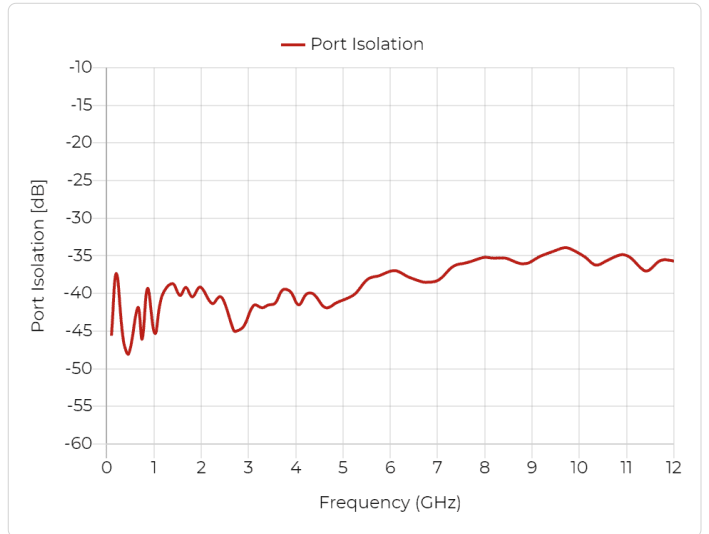
Gain



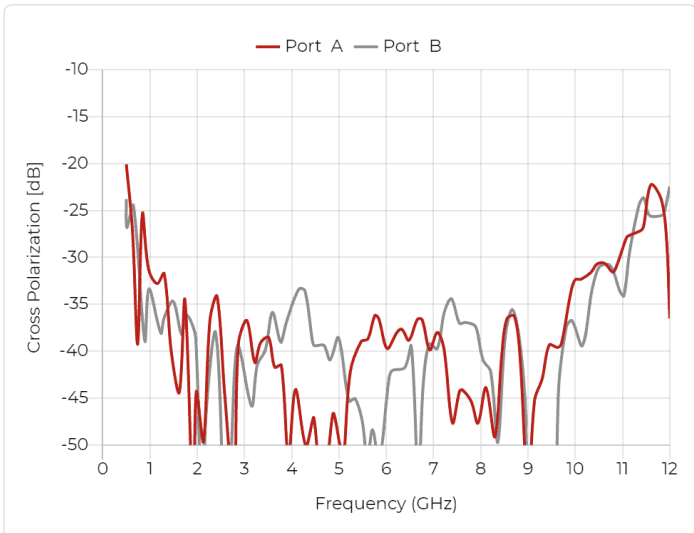
Antenna Factor



Port Isolation

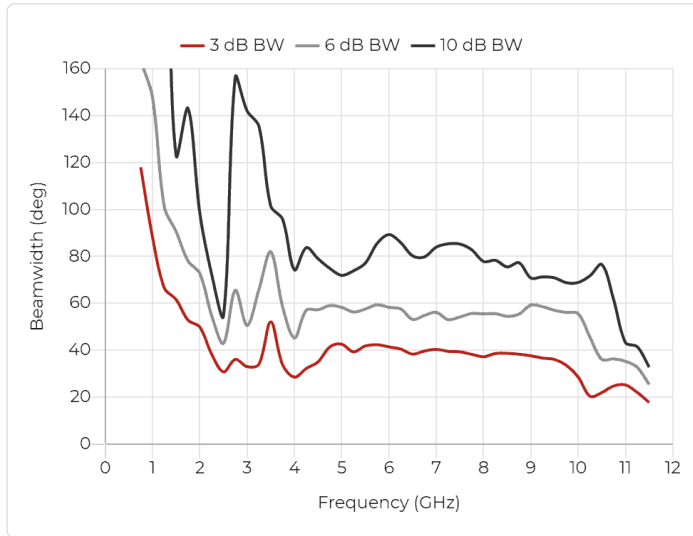


Cross Polarization

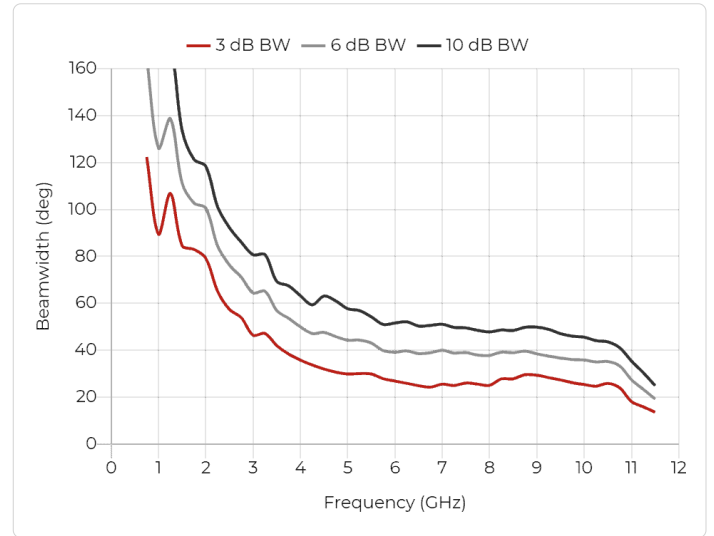


## Beamwidth

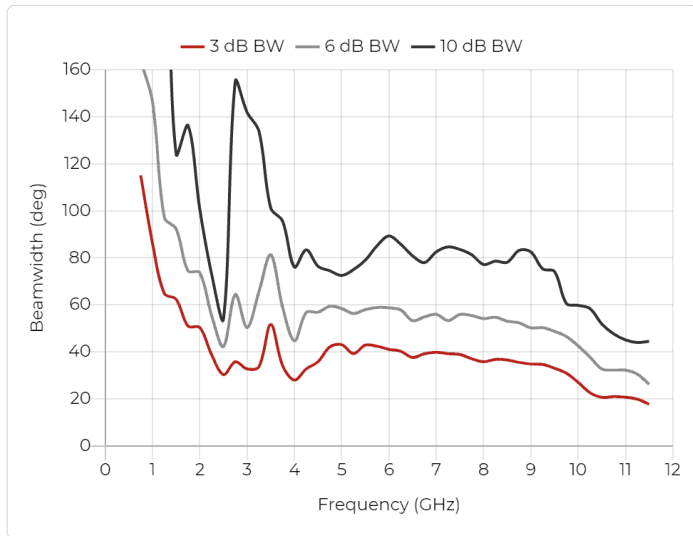
Port A, E plane



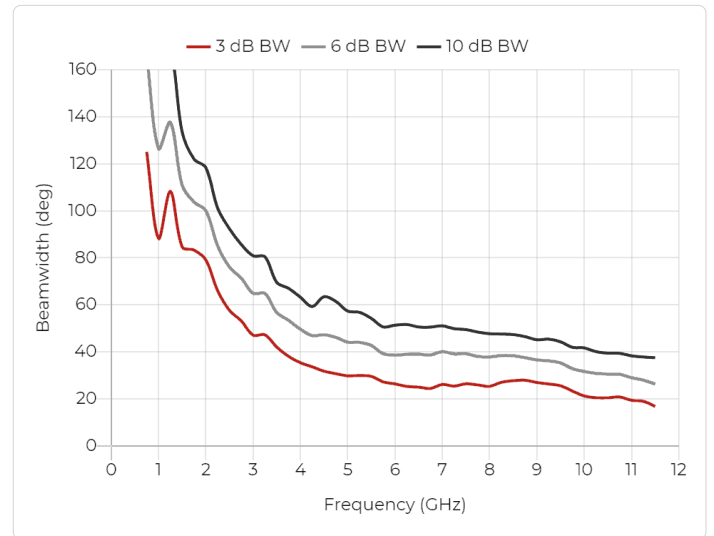
Port A, H plane



Port B, E plane

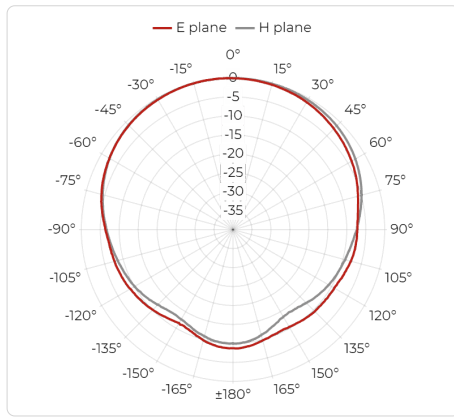


Port B, H plane

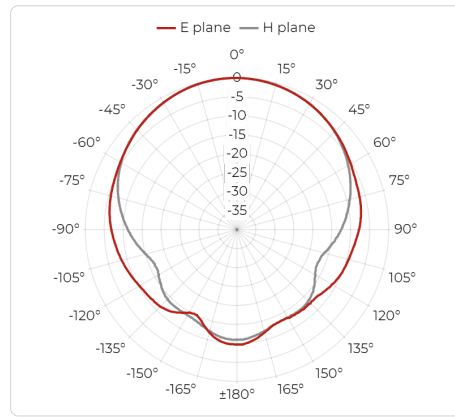


## Radiation Patterns - Port A

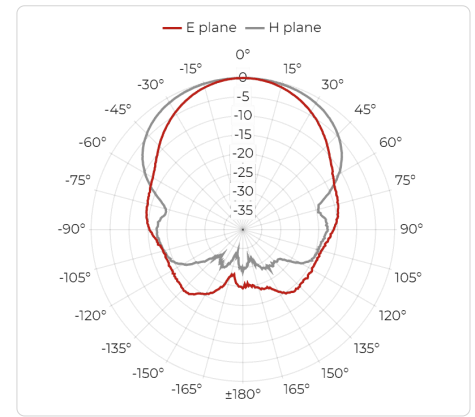
Port A, 0.75 GHz



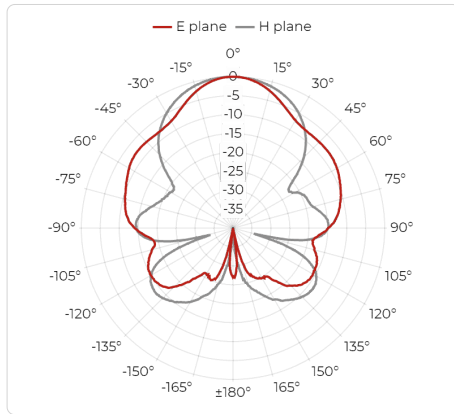
Port A, 1 GHz



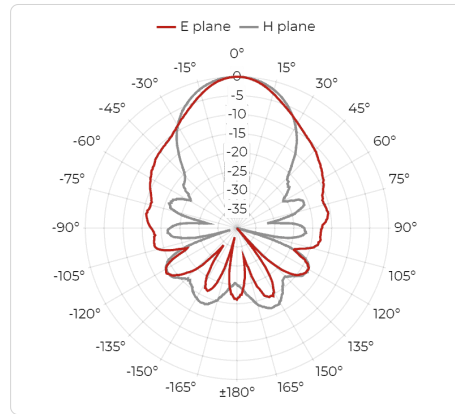
Port A, 2 GHz



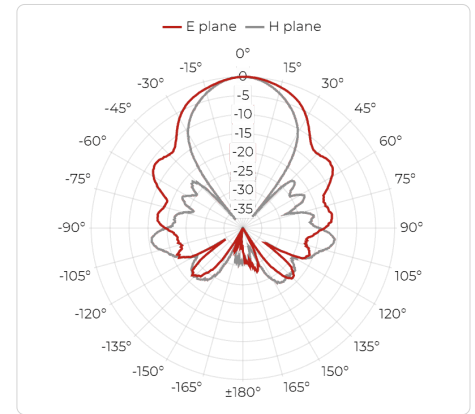
Port A, 3 GHz



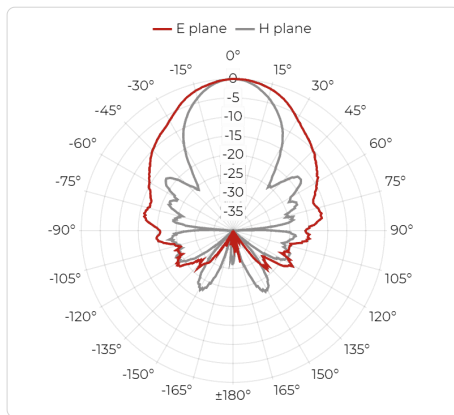
Port A, 4 GHz



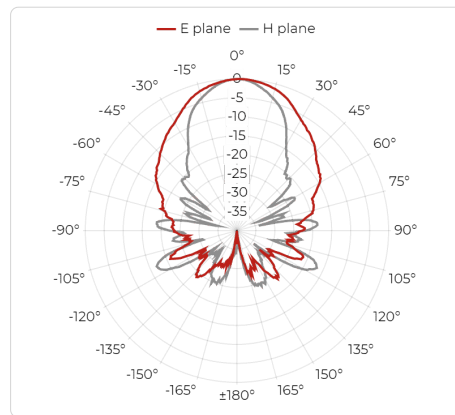
Port A, 5 GHz



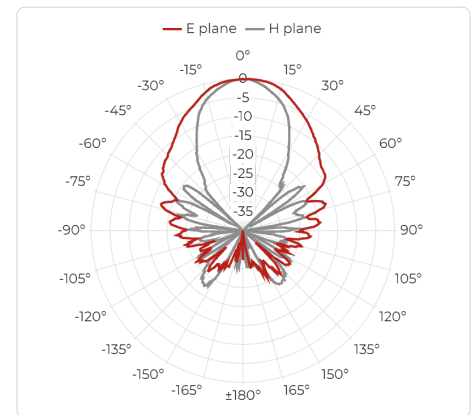
Port A, 6 GHz



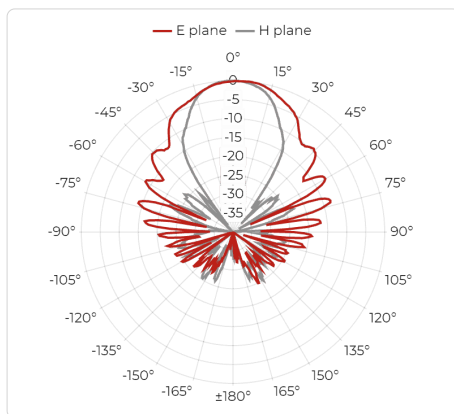
Port A, 7 GHz



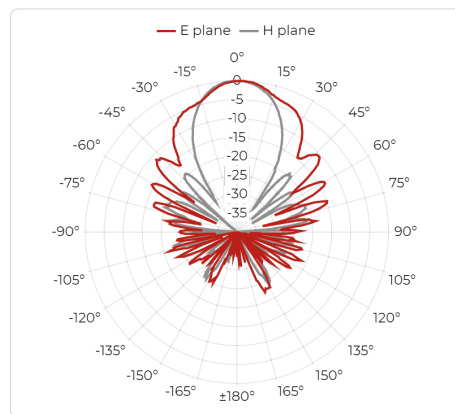
Port A, 8 GHz



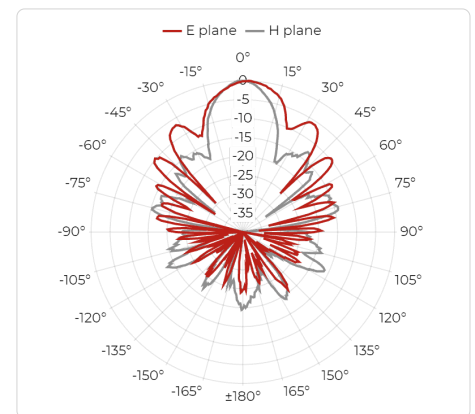
Port A, 9 GHz



Port A, 10 GHz

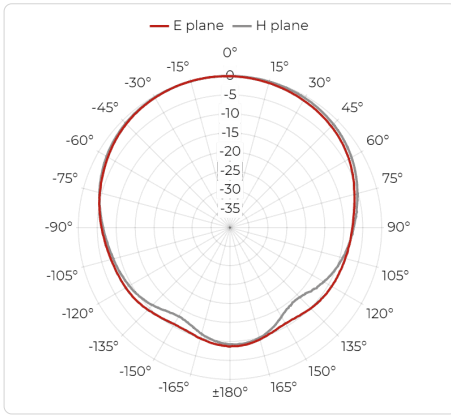


Port A, 11 GHz

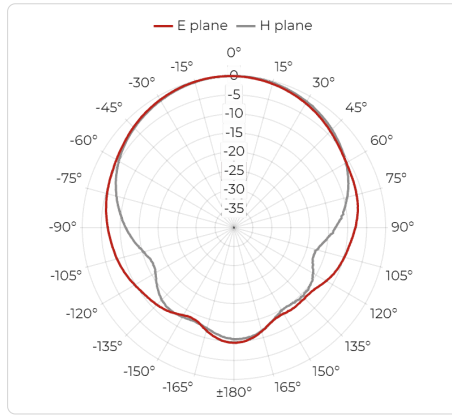


## Radiation Patterns - Port B

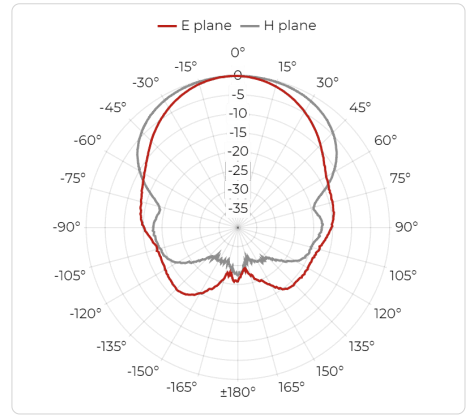
Port B, 0.75 GHz



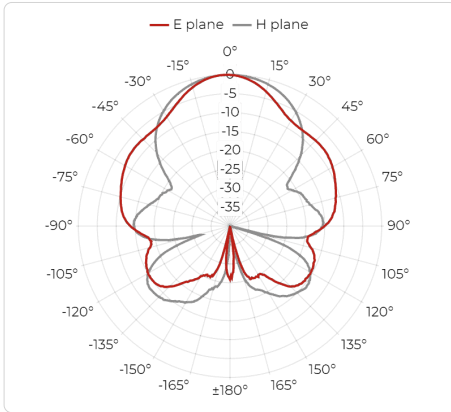
Port B, 1 GHz



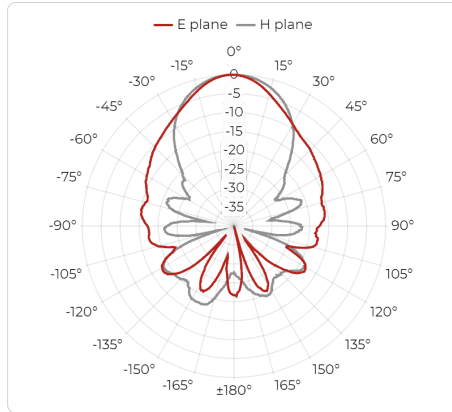
Port B, 2 GHz



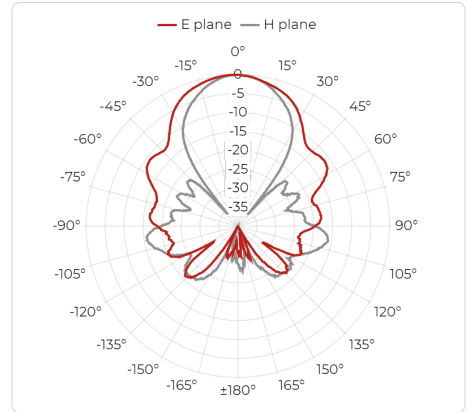
Port B, 3 GHz



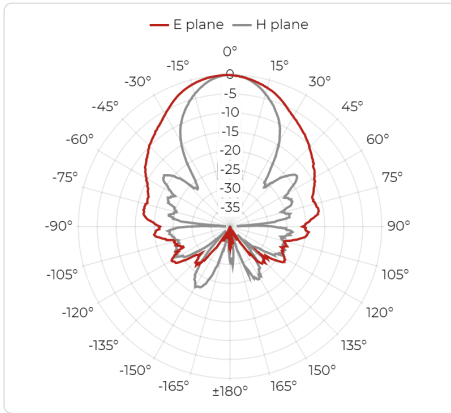
Port B, 4 GHz



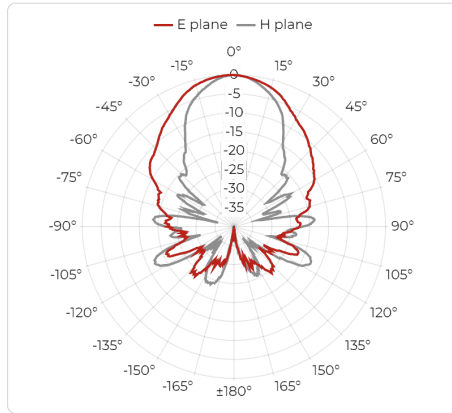
Port B, 5 GHz



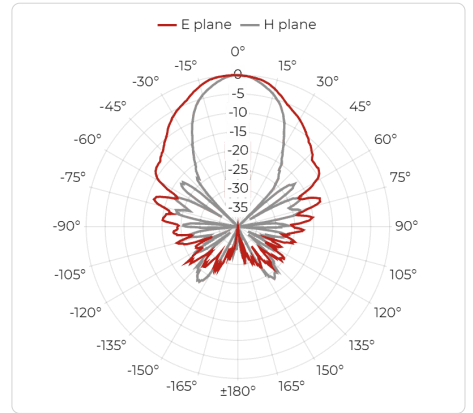
Port B, 6 GHz



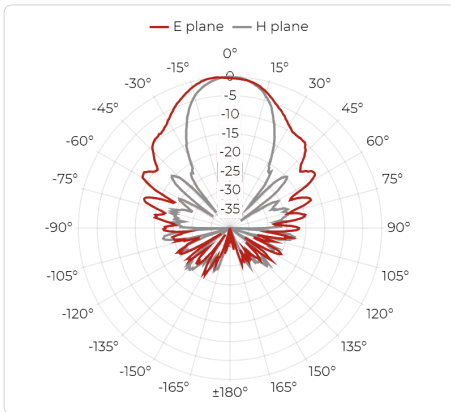
Port B, 7 GHz



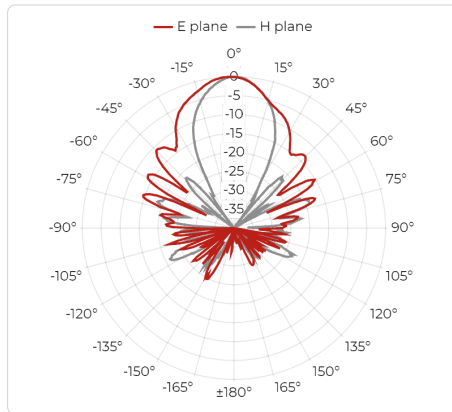
Port B, 8 GHz



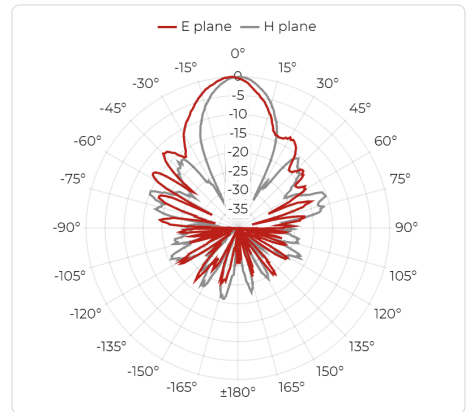
Port B, 9 GHz



Port B, 10 GHz



Port B, 11 GHz



## Packaging and Accessories

### What's in a box

- QRH11 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)



Factory calibration report

### Custom services

- Custom mounting solutions
- Custom calibration data

### Accessories

- Standard mounting flange

## Manufacturer Information

### About Datasheet

Product information available also online at  
<https://www.rfspin.com/product/qrh11/>

*Data and specifications subject to change without notice.*

*Datasheet revision 07-2021.*

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