



TEMH20 generates homogenous fields with high gain thanks to the dielectric lens. This allows close proximity radiation immunity evaluation testing.

Features and Specifications



Technical Performance

- Wide bandwidth
- Low return loss
- Individual calibration



Design and Surface Treatment

- Corrosion-resistant coating
- Includes standard mount



Manufacturing Technology

- Extremely durable
- High quality 3.5mm type coaxial connector



Product Packaging Includes

- Adapter with 1/4 inch inner thread, supplied with antenna
- Linear polarized TEM horn broadband antenna

Product Parameters

PRODUCT IDENTIFICATION

Product Name	TEMH20
Product Category	TEM Horn Antenna

ELECTRICAL SPECIFICATIONS

Frequency Range	1 GHz – 22 GHz
VSWR (max.)	1.2
VSWR (avg.)	2.6
Impedance	50 Ohm
Connector	3.5mm (female)
Power (CW / Peak)	25 W / 50 W
Antenna Factor	23.5 – 41 dB/m
Polarization	Linear

PHYSICAL SPECIFICATIONS

Width	112 mm (4.409 in)
Height	198 mm (7.795 in)
Depth	345 mm (13.583 in)
Weight	2.5 kg (5.512 lb)

OPERATING CONDITIONS

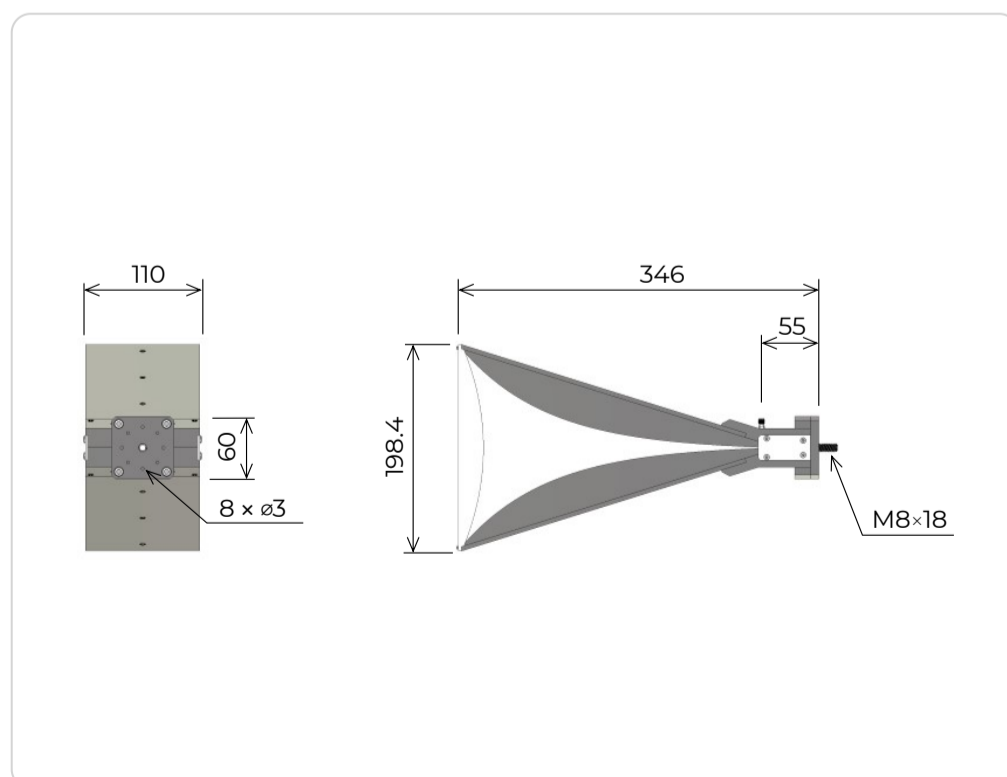
Rated Temperature Range	0°C – +50°C
Storage Temperature Range	-20°C – +70°C

MOUNTING FLANGE

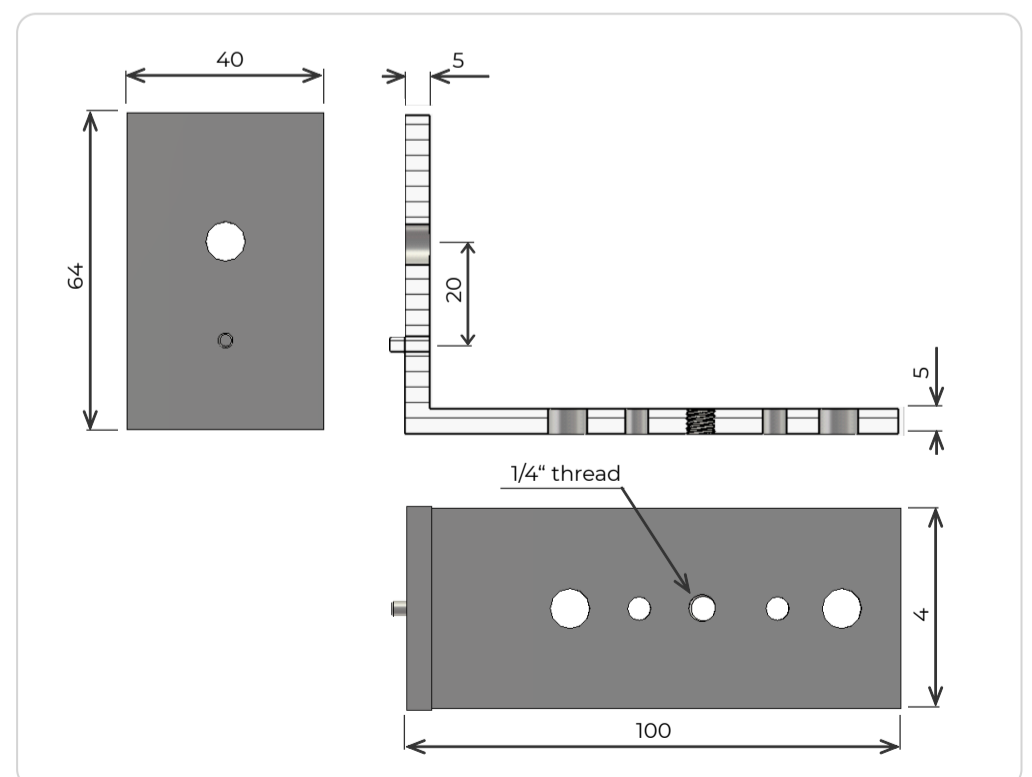
Mounting	Adapter with 1/4 inch inner thread, supplied with antenna
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Mechanical Drawings

Antenna



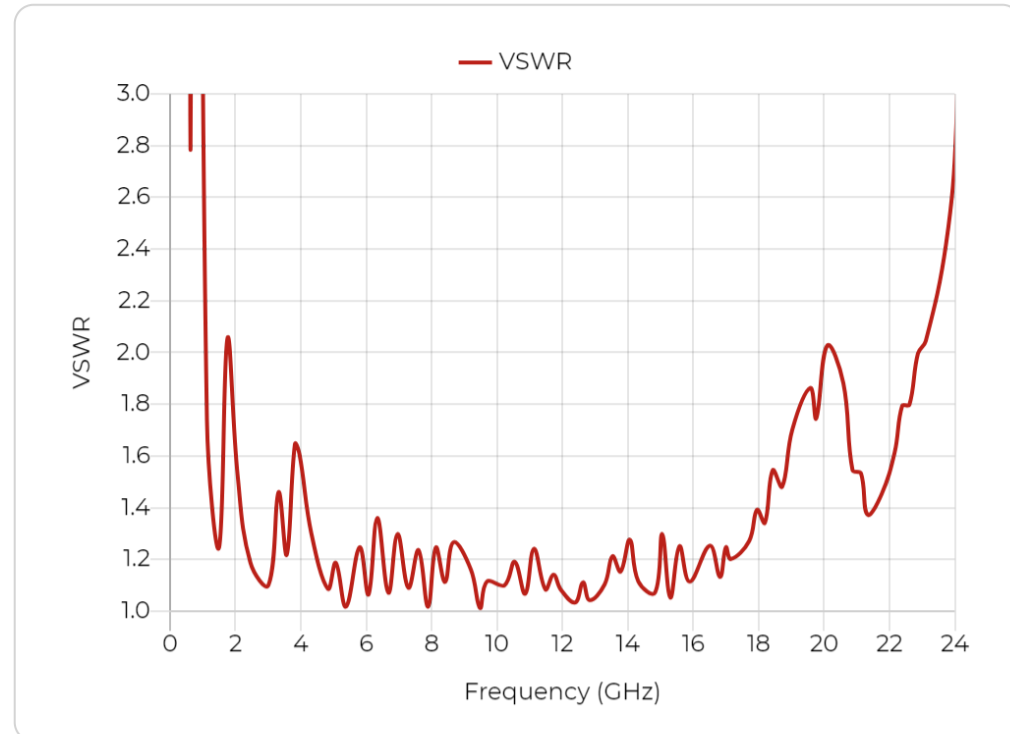
Mounting flange



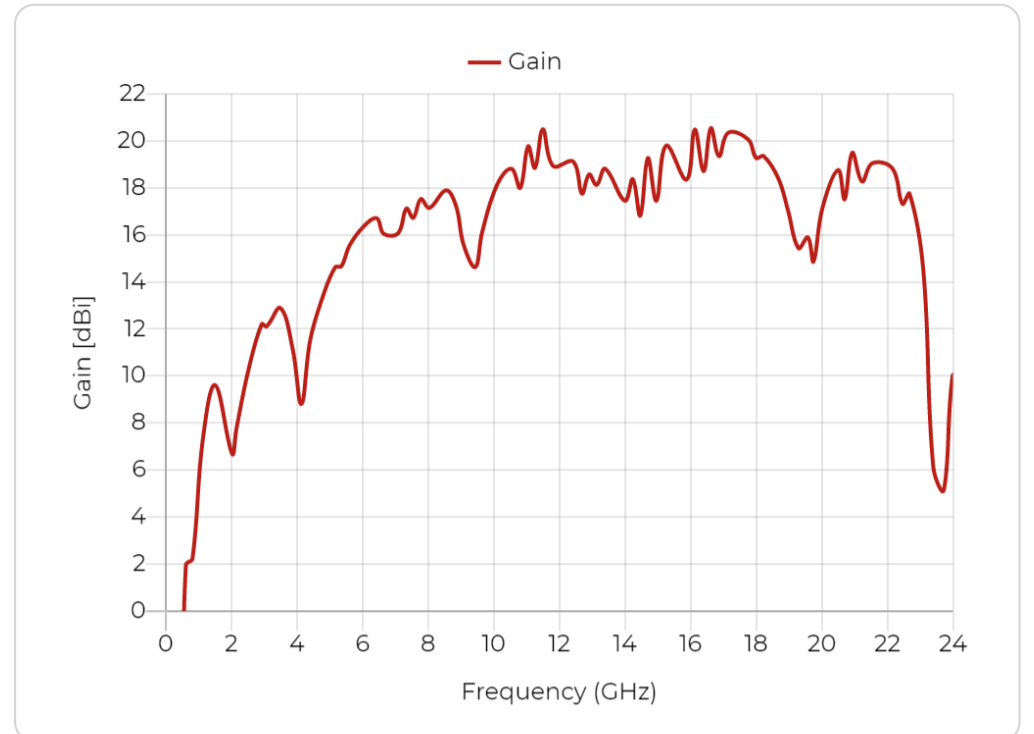
Parameters and Performance

Typical parameters

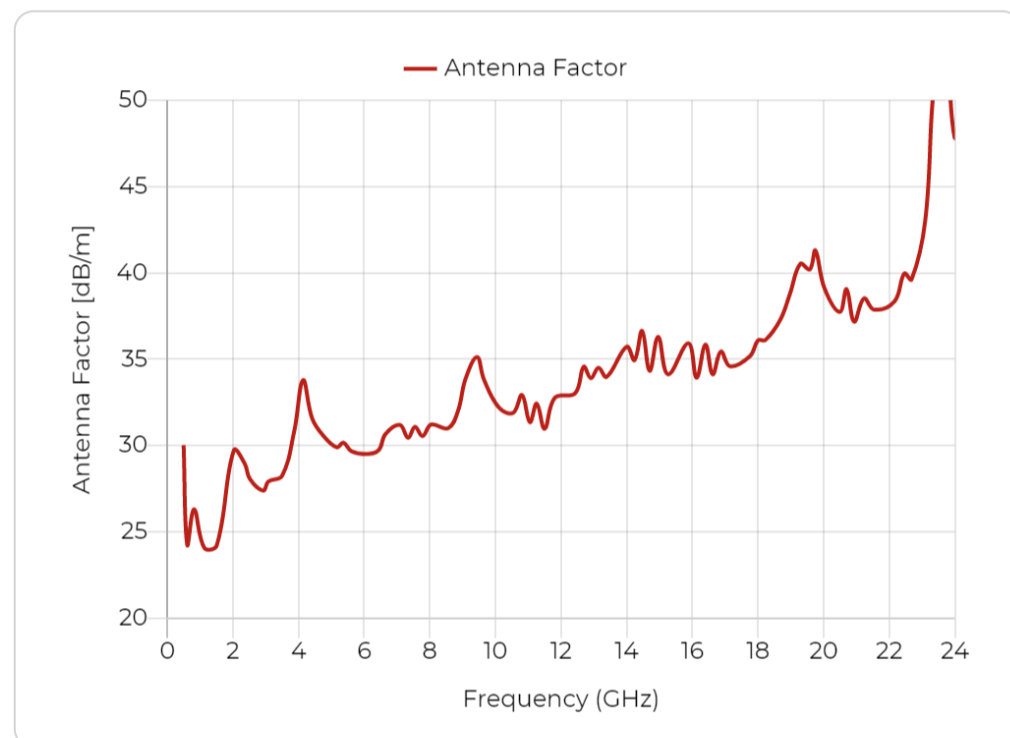
VSWR



Gain



Antenna Factor



Packaging and Accessories

What's in a box

- TEMH20 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

- [FAS01 Antenna Stand](#)
- [PAS02 Antenna Stand](#)

Custom services

- Custom mounting solutions
- Custom calibration data

Manufacturer Information

About Datasheet

TEMH20 Product Datasheet

Address

RFspin s.r.o.
info@rfspin.com

Manufactured by RFspin, Czech Republic. www.rfspin.com

RF SPIN Broadband Antenna Experts

Product information available also online at

<https://www.rfspin.com/product/temh20/>

Data and specifications subject to change without notice.

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