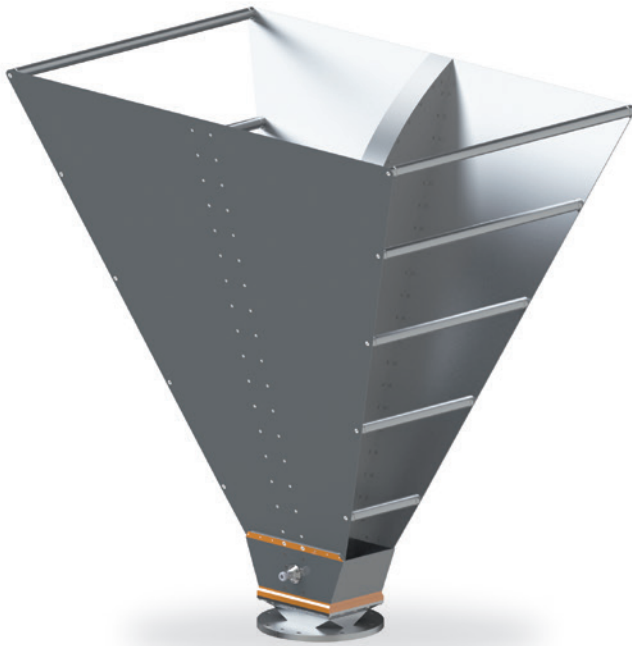


EMC Dual-Ridge horn

EH022 (0.2 – 2 GHz)



SOLUTION FOR

Radiated emissions testing according to

- ANSI 63.4
- CISPR 11, 12, 13, 14-1, 16-1-4, 16-2-3, 22, 32
- EN 61000-6-3, EN 61000-6-4
- IEC 60601-1-2, 60533, 61326,
- MIL-STD 461
- RTCA/DO 160

Main features

Technical performance

- Single linear polarization
- Smooth/balanced gain with frequency
- Low return loss / VSWR
- wide bandwidth (10:1)

Design

- Unique design preventing the excitation of unwanted high order modes in the aperture
- Well defined smooth radiation pattern throughout the operational bandwidth
- Stiff/robust and lightweight mechanical design
- Precision machined
- High reliability N coaxial connector

- Warranty: 3 years

Product configuration

Equipment

- Storage box
- Standard axial mounting interface
- Custom mounting interface
- Antenna tripod

Services

- Calibration
- Maintenance

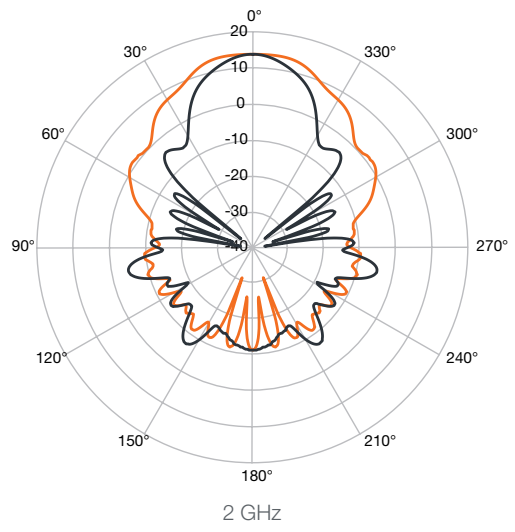
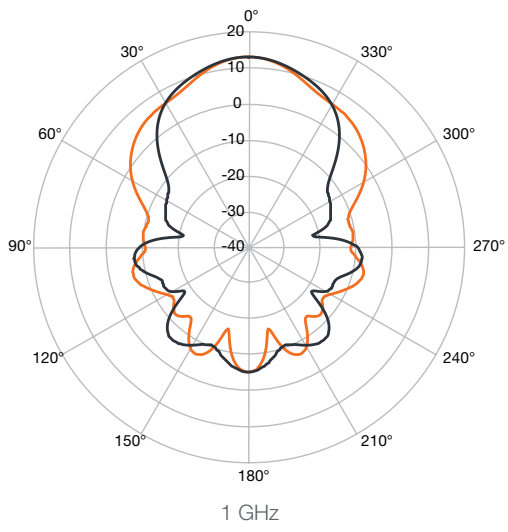
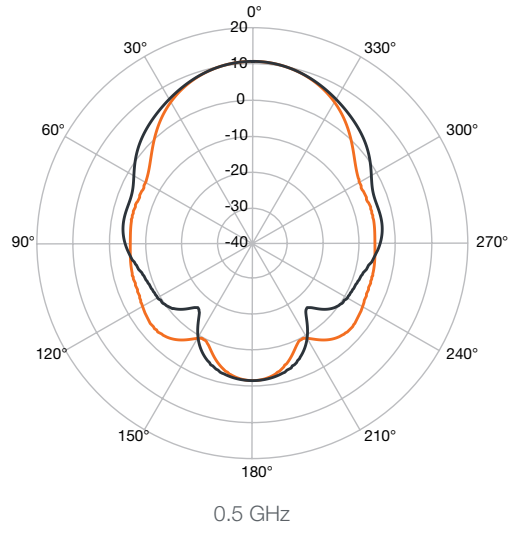
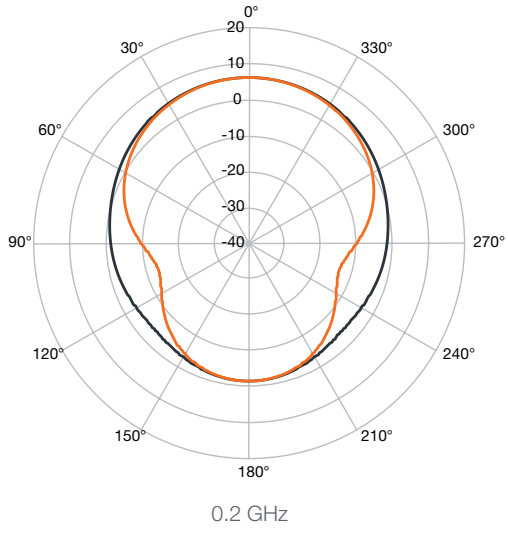
Delivered documents

- Technical description document
- Calibration certificate

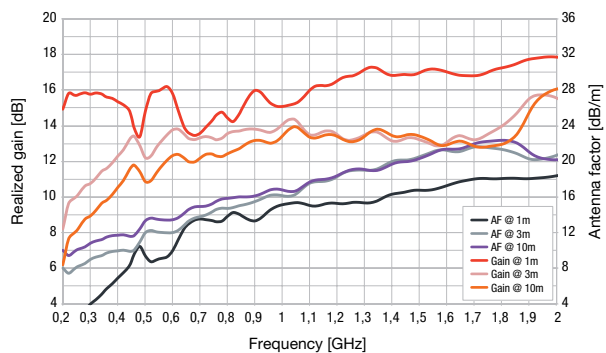
Included Optional

Far-field radiation pattern

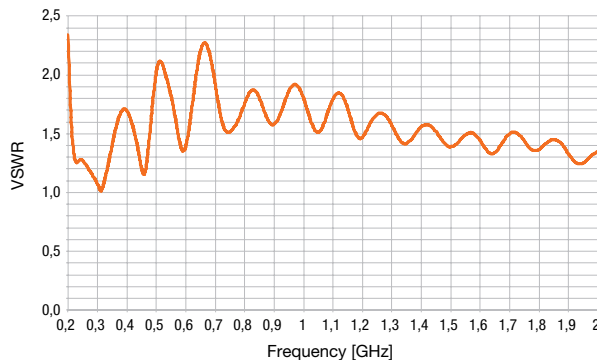
— E-plane — H-plane



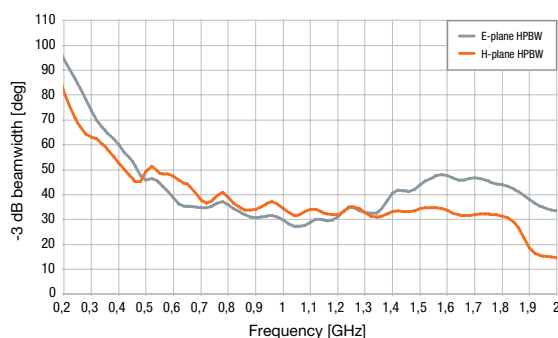
Gain / Antenna factor



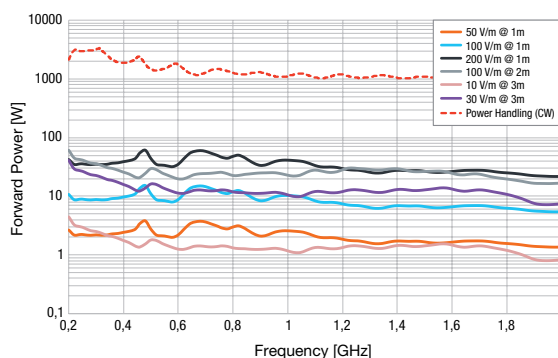
VSWR



-3 dB beamwidth



Power handling (CW) / Forward power



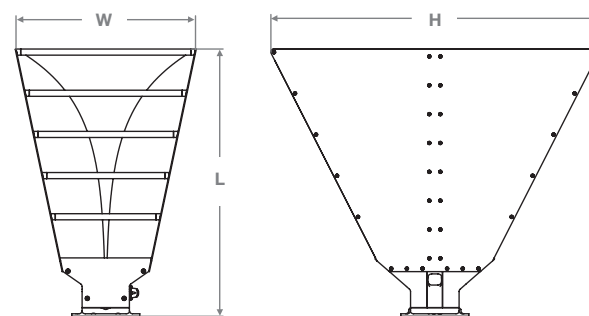
Electrical characteristics

Type of antenna	Dual-Ridge horn
Frequency range	0.2 – 2 GHz
Realized gain	5.5 – 16 dBi
Antenna factor	4 – 22 dB/m
E-plane HPBW (2x)	94 – 27 deg
H-plane HPBW (2x)	81 – 14 deg
VSWR	1.1 to 2.4 (average 1.6) : 1
Polarization	Single linear
Impedance	50 Ohms
Power handling (CW)	2 kW @ 0.2 GHz 1 kW @ 1 GHz 900 W @ 2 GHz

Mechanical characteristics

Dimensions (H x W x L)	96.0 x 61.0 x 9.5 cm
Weight (approx.)	10 Kg
Material	Aluminum
Surface treatment	Surtec 650®
Coatings	Gray (RAL 7021) Orange (RAL 2009)
RF connector	N Female – Southwest 312-14SF®

Dimensional drawing



A global presence

Microwave Vision exports more than 90% of its production outside of France. The Group spans Europe, Asia and America through 20 locations in 10 countries.

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