

Antenna Factor Data



OCEAN MICROWAVE

25# Building Advanced Business Park
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sales@oceanmicrowave.com www.rfecho.com

WARRANTY

Ocean Microwave Inc., warrants that our Antennas, Sensors and Probes will be free from defects in materials and workmanship for a period of three (2) years. All other products delivered under contract will be warranted for a period of two (1) years. Damage caused by excessive signals at the product's input is not covered under the warranty. Ocean Microwave Inc' obligation under this warranty shall be limited to repairing or replacing, F.O.B. Beijing, China, each part of the product which is defective, provided that the buyer gives Ocean Microwave Inc notice of such defect within the warranty period commencing with the delivery of the product by Ocean Microwave Inc.

The remedy set forth herein shall be the only remedy available to the buyer, and in no event shall Ocean Microwave Inc be liable for direct, indirect, incidental or consequential damages.

This warranty shall not apply to any part of the product which, without fault of Ocean Microwave Inc has been subject to alteration, failure caused by a part not supplied by Ocean Microwave Inc, accident, fire or other casualty, negligence, misuse or normal wear of materials.

Except for the warranty set forth above, there are no other warranties, expressed or implied, with respect to the condition of the product or its suitability for the use intended for them by the buyer.

For prompt service, please contact our service department for a Return Material Authorization Number before shipping equipment back to us.



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Contents List

Quantity	Model Number	Description	SN
1	OBH-230	0.2GHz to 3GHz	32349001

Certificate of Calibration

The instrument identified below has been individually calibrated per the following standard(s)

ANSI C63.5-2017 Calibration and Qualification of antennas

Manufacturer: Ocean microwave
Model Number: OBH-230
Serial Number: 32349001
Customer:

Date Calibrated: 14-Jan-22
Calibration Interval: 12 Month
Calibration Due Date: 13-Jan-22
Temperature: 79F (26.1 C)
Humidity: 21% Relative Humidity

Remarks

This calibration is traceable to the National Institute of Standards and Technology through documents on file in the Chatsworth Metrology laboratory. Copies of NIST Traceability and test reports are available upon request. All calibrations conform to ANSI/NCSS Z540-1-1994 and ISO/IEC 17025. Uncertainties listed are derived from methods described by NIST Tech Note 1297.

Measurement Standards and Equipment Used:

Manufacturer	Model Number	SN	Due Date
Agilent	8722ES	US39175722	28-Jan-23

Condition of Instrumentation

Condition received: Good Condition

Condition returned: Within Manufacturers Specifications

Calibration Uncertainty

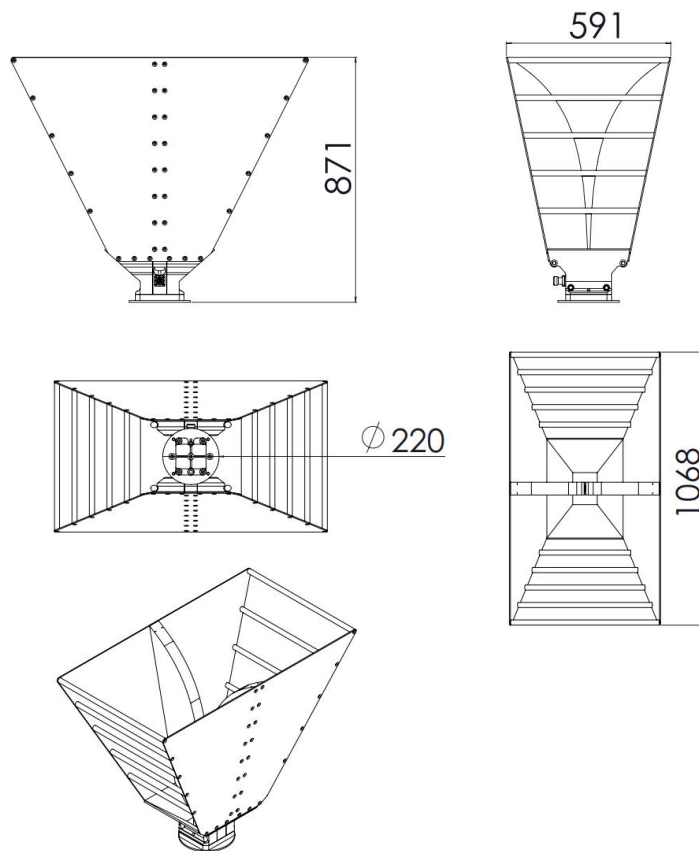
95% Confidence Level using a coverage factor of k=2

Correction Factor +/- 0.87 dB

RF Technician

Quality Control Manager

The information shown on this certificate applies only to the instrument identified above and may not be reproduced except in full, without the written approval of OCEAN MICROWAVE, inc. There is no implied warranty that the instrument will maintain its specified tolerances during the calibration interval due to possible drift, environment, or other factors beyond our control.



Description:

Broadband Horn Antenna for EMC/EMI
Gain Test System Applications.

Specifications:

Nominal Frequency Range:	0.2GHz...2GHz
Usable Frequency Range:	0.2GHz ... 2.5 GHz
Isotropic Gain:	4-16dBi
Antenna Factor:	12-25dB/m
Nominal Impedance:	50 Ω
Standing Wave Ratio SWR typical:	≈ 1.5
Front to Back Ratio:	> 25 dB
Cross Polarisation:	> 25dB(0.2GHz...2GHz)
3 dB Beamwidth typ. (E-Plane):	101.9°...30.2°
3 dB Beamwidth typ. (H-Plane):	70°...17.5°
N-Connector female	
Mount: Custom design	
Width x Length x Thickness:	1068*871*591mm
Weight:	30kg

