



Broadband Microwave Measurements of

**COMPLEX PERMITTIVITY
CONDUCTIVITY**

DIELECTRIC LOSS

COMPLEX PERMEABILITY

- Up to 8 GHz
- Up to 18 GHz

- Any type of material
- Precise measurements in small sample volumes
- Complete customization to your Vector Network Analyzer
- Portable and user-friendly

Applications

ANTENNA DEVELOPMENT | ELECTRONICS

AND GENERAL INSTRUMENTATION | AVIATION

TECHNOLOGIES | RADAR RESEARCH | CONSTRUCTION

INDUSTRY | GEOLOGY, GEOPHYSICS |

BIOMEDICAL DOMAIN AND BIOMATERIAL

DEVELOPMENT | AGRI-FOOD INDUSTRY

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 MULTIWAVE

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UNIVERSAL DEVICE

BROADBAND ELECTROMAGNETIC
CHARACTERIZATION OF MATERIALS



Meet EpsiMu®, Multiwave's latest measurement tool to improve understanding of material electromagnetic properties.

By launching EpsiMu®, Multiwave offers a high precision device for broadband electromagnetic characterization of materials.

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/Products

EpsiMu® 7 mm

Coaxial transmission line ideal for Broadband RF measurements

Up to 18 GHz

SPECIFIC FOR ACCURATE SOLID MEASUREMENTS



EpsiMu® PE13 mm

Integrated independent Sample holder

Universal material testing

Up to 8 GHz

CUSTOMIZABLE TO ANY DIMENSION



/Services

Use EpsiMu® to

CONFIRM DIELECTRIC PROPERTIES GIVEN BY MATERIAL SUPPLIERS

UNDERSTAND HOW A MATERIAL'S ELECTROMAGNETIC PROPERTIES ARE AFFECTED BY TEMPERATURE AND AMBIENT HUMIDITY CHANGES

TEST FOR IMPURITIES IN WATER, OIL OR OTHER LIQUIDS

We provide quick detailed reports on precise measurements of any type of material

- DIELECTRIC CONSTANT
- CONDUCTIVITY
- DIELECTRIC LOSS
- PERMEABILITY

In a wide range of



Moisture content
from 0% to 99%



Temperature
from -40°C to +85°C

or in a specific time frame

Request a quote

