

Waveguide Near Field Probes up to 500 GHz



TECHNICAL SPECIFICATIONS

- **Frequency coverage**
WR1000 to WR2.2 waveguide standards
- **Probe architecture**
Waveguide-coupled design for efficient near field sampling
- **Availability**
Low-cost stock availability for immediate delivery
- **Compatibility**
Compatible with standard measurement instrumentation and network analyzers
- **Maximum operating frequency**
500 GHz
- **Configuration options**
Available in standard and custom length configurations
- **Impedance matching**
Optimized across supported frequency bands

APPLICATIONS

Antenna Measurement: Near field radiation pattern characterization and gain assessment across mmWave and sub-THz frequencies

Component Testing: RF and mmWave device validation, including filters, amplifiers, and integrated circuits

5G and 6G Development: Frequency band validation for emerging wireless communication standards

SATCOM Systems: Satellite communication payload and antenna array diagnostics

Defense and Aerospace: Radar and electronic warfare system characterization

Material Characterization: Dielectric property measurement at sub-terahertz frequencies

Electromagnetic Field Mapping: Spatial field distribution analysis in controlled measurement environments