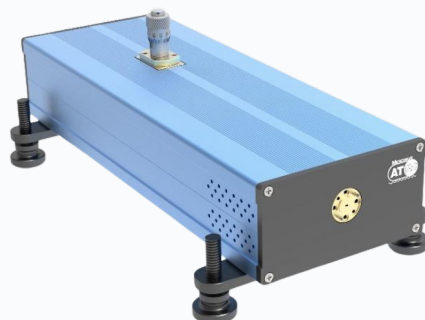


VNA Frequency Extension modules up to 500 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Coverage**
40 GHz to 500 GHz across multiple waveguide bands
- **Waveguide Band Support**
WR19 through WR3.4 architecture
- **Full-Band Extension Modules**
Complete Tx/Rx paired configurations available
- **Measurement Capabilities**
S21, S11, and S22 parameter extraction
- **Module Architecture**
Transceiver pairs optimized for minimal insertion loss and phase stability

APPLICATIONS

Component Characterization:
Testing filters, amplifiers,
antennas, and passive networks
in the mmWave and sub-THz
bands

Radar Testing: Validation of
radar front-end circuits and
antenna performance across
extended frequency ranges

RCS Measurements: Radar
cross-section analysis of
materials and structures

5G and 6G Development:
Characterization of next-
generation wireless
communication components

**SATCOM and Defense
Electronics:** High-frequency
system validation for satellite
and military applications

Research and Development:
Academic and industrial RF
characterization projects
requiring broadband capabilities