

AET Professional Services

AET Professional Services specialize in the development of antenna, microwave devices, and signal integrity and EMI analysis for high-speed digital circuits. We also provide microwave dielectric and magnetic measurement services for solid, liquid and gas materials.

Design and Analysis Services

Microwave Device Design and Analysis

- Microwave Cavity
- Filter
- LTCC Module
- TRX Module Design
- PBG Structure
- Coupler
- Transition
- Ferrite Device
- Klystron
- Photonic Band Gap

Signal Integrity and EMI Analysis

- High-speed Interconnect Modeling
- High-speed Busses and Backplane
- Characterization of LSI Packages
- Mixed-domain Analysis for Gigabit Circuits
- EMI Analysis for PCB and Enclosure

Accelerator Design

- Electron Accelerators
- Ion Accelerators
- Injectors
- RF Guns

Broadband Antenna Design and Analysis

- UWB Antenna
- Microstrip Patch Antenna
- Array Antenna
- Horn Antenna
- Embedded Antenna
- SAR Analysis
- Antenna Isolation Analysis

Microwave Dielectric Measurement Service

- Substrate Materials for High-speed Circuits
- Low Loss Dielectrics of Filters and Antennas
- Thin Film Materials
- Semiconductor Materials

E-Beam, Ion Sources and X-Ray Tube Design

- Electron Gun
- Ion Sources
- X-ray Tube

RF/Microwave and Signal Integrity Design Tool Suite

- CST MW STUDIO: Multidomain EM Field Simulator
- Apach Design Solution NSPICE: Mixed-domain Circuit Simulator

