



ANTENNA DESIGN TOOL, 3D electromagnetic field simulator, Circuit simulator, Plasma simulation tools, Particle Physics, Cable Hotness, Thermal Simulation tools, Simulation and optimization of passive micro wave systems and components, including antennas.



Spark3D is a unique simulation tool capable to determine the Breakdown power level in a wide variety of passive RF devices.

By importing the electromagnetic field from CST studio suite, Fest3D or other solvers, Spark3D is able to analyze vacuum breakdown(multipactor) and gas discharge.



Antenna Magus is a software tool for the acceleration of the antenna design and modelling process. Validated antenna models can be exported to CST Studio Suite® from a huge antenna database of over 350 antennas.



Abaqus is used worldwide in every industry powering critical industry processes including power train engineering, electronic drop simulation, composite wing structure performance, sealing design, FEA and Multiphysics, Coupled physics, structural acoustics, thermal-electrical etc.

Space Qualified Microwave Products:-

Connectors - SMA,TNC,N,SSMA,End
Launch,Cable Connector Etc. Adapters
Launch Accessories
Super-MiniBoard-to-Board Installation Tools
Ferrite Based Components Microwave Filters
Antennas Integrated Assemblies Mixers Power
Amplifiers
SAW Oscillators
Waveguide Components
Isolators and Circulators 1.12 GHz-120 GHz
Amplifiers (Non Satcom)
Limiters
Assembly
Rotary Joint
Switches



GNSS RF Simulator & Recorder -Playback
System & GNSS SDR Receiver
Software GNSS Receiver with Source Code/ API



Device Characterization Systems

Amplifiers

Calibration kits and standards

Cables and adapters

Boonton - RF Power Meters

- RF Power Sensors

- Rf Signal Generator

Holzworth - RF Synthesizers

- Phase Shifters

NoiseCom - Noise Generator

- Noise Modules

dBmCorp - Channel Emulator

- Software



DISTRIBUTION AMPLIFIER

5 & 10 MHz

Standard 1-1000

outputs Back- Up

Oscillator Multi

Frequency Optional

1-1000 MHz



Vibration Isolation Products

- Ultra-thin Low-Height Tabletop Vibration Isolation System
- Ultra Compact Vibration Isolators
- Compact large Capacity Vibration Isolation
- Vibration Isolation Workstation



- MM/Sub-mm Wave Modules
- Quasi-Optical Detectors THz Custom Products Schottky Barrier Diodes Passive Components
- E-Field 90 degree rotators (Custom design) WGD Bends, directional coupler, Power dividers, Adapter (Custom design)

OTHER TEST EQUIPMENT/SERVICES

- Signal generator
- GPS amplifier
- GPS Splitters
- GPS Antenna Power Amplifier



Microsanj's cutting-edge product portfolio delivers high-resolution thermal imaging, device analysis, materials characterization, and advanced system diagnostics.

- Thermoreflectance Imaging
- Infrared Imaging
- Specialized Enhancements
- Software

FREQUENCY STANDARD

- GPS/GNSS Disciplined Crystal oscillator
- Hydrogen Maser Multi frequency Rubidium Oscillator



Venable Family of High Performance Frequency Response Analysers
 All Venable FRAs offer multiple frequency Options, ranging from 10 μ Hz to 5, 20 & 40M.flz models, with input channels protected To 600Vpk



CNC Semi-Rigid Coax Benders:-

- CX6 All electric Semi-Rigid Coax CNC Bender R.05
- CNC Semi-Rigid Coax Bending machine
- RDS CNC Dual Stack Semi-rigid Coax Bender CNC
- Coax Cut-to- Length & Coax Random Benders

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