



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



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



GNSS RF Simulator & Recorder -Playback System & GNSS SDR Receiver Software GNSS Receiver with Source Code/ API Waveguide Components Isolators and Circulators 1.12 GHz-120 GHz Amplifiers (Non Satcom) Limiters Assembly Rotary Joint Switches



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)



CNC Semi-Rigid Coax Benders:-

CX6 All electric Se mi-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 Rand Benders

FREQUENCY STANDARD

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



ROHDE & SCHWARZ

OTHER TEST EQUIPMENT/SERVICES

Signal generator GPS amplifier GPS Splitters GPS Antenna Power Amplifier

Test and Measurement Equipments :-

Signal generator
DC Power Supply
Spectrum Analyzer Network
Analyzer Digital Storage
Oscilloscope