



PIONEERS IN VIRTUAL EMI/EMC LABORATORY

○ Even the most groundbreaking hardware products face unforeseen challenges.

Your designs fuel the future of aerospace systems, next-gen automobiles, and cutting-edge technologies. But what if you could anticipate and address roadblocks before they derail delivery?

At SimYog, we tackle your biggest pain point head-on — EMI/EMC issues. They are the curveballs that disrupt timelines, inflate costs, and jeopardize critical deliveries.

A single compliance failure can set you back weeks, risking competitive advantage. That's why we're here: to keep your innovation on track, starting where it matters most — the early design stage.






Optimize Hardware Design at Every Step

Enabling 'Agile for Hardware Design' with EMI/EMC simulation software that seamlessly integrates into the early design process.

Our Journey

- 2017: Founding Year**
 - Incorporated as a spin-off from IISc
- 2018: Seed Funding & Recognition**
 - Raised seed capital from Bosch and Idea Spring Capital
 - Won the KA Elevate award
- 2019: Commercial Engagements**
 - Received first purchase order from Cypress
- 2020: Product Launch**
 - Released Compliance-Scope production version
- 2021: Industry Recognition & Team Expansion**
 - Dr Pradip Dutta joined as Advisor to the Board
 - Intel selected Simyog for the Intel startup program
 - SimYog wins the NASSCOM Emerge 50 Award in the Enterprise category
- 2022: Strategic Partnerships & Industry Recognition**
 - Selected for IIT startups program
 - Selected by Qualcomm for their startup program
 - Won Tech30 award from YourStory TechSparks
- 2023: Customer Growth & Funding Milestones**
 - Reached 10 license customer companies spread across Semiconductor, Tier-1, OEMs
 - Won SEMCEI industry award at APEMC-IN CEMIC 2023
 - Secured Series-A funding from Mela Ventures, IdeaSpring Capital, and 1-crowd
- 2024: Year of Expansion**
 - Dr Krishnan Ramaswami joined as CTO
 - India patent on IC-model granted
 - Released SEM-Scope beta version
 - Featured on Forbes
 - Signed distribution agreement with Hexagon, India
 - Rebranded SimYog logo
 - Released MAX-Scope production version

Why Choose SimYog

-  Reduce BOM costs by **50%**
-  Accelerate time to market by **25%**
-  Lower R&D operational costs by **10%**

Trusted by Clients, Backed by Partners

Partner testimonial: "SimYog products are already in use at several top 10 semiconductor, Tier-1, OEM, and Defence companies. That's why we believe that SimYog is a great partner for us at Hexagon Manufacturing Intelligence and we look forward to creating a win-win situation for us and our customers."

- Sridhar Dharmarajan

Executive Vice President & Managing Director, Hexagon

Client Testimonial: "SimYog's EMI/EMC simulation at the design stage significantly reduces the risk of delays & higher verification costs during the certification stage. One can benefit from sample production cost savings, faster time-to-market, and improved product performance. SimYog plays a significant part in our product success, and we are excited about the promising roadmap."

- R. K. Shenoy

Ex-CTO, Bosch Global Software Technologies

Connect With Our Leadership



Dr Dipanjan Gope
CEO & Founder
IISC, Ex-Intel
University of Washington

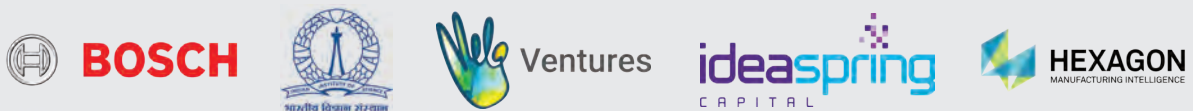


Dr Krishnan Ramaswami
CTO
Ex-TESCO, IISC
Stanford University



Dr Pradip K. Dutta
Advisor to the Board
Ex- Synopsys
University of Maryland

Our Trusted Partners



Our Clients



Transform What-If Into What's-Next

Our pioneering simulation technology ensures the perfect harmony of design and compliance, allowing you to focus on what matters most — innovation.



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Contact Us

☎ 1800-309-0746
🌐 www.simyog.com
✉ info@simyog.com

📍 Simyog Technology Pvt. Ltd.
No.5/1, "Prestige Terraces" First floor,
Union Street, Bangalore 560001



Compliance-Scope®: Virtual EMI/EMC Laboratory

What if the most elusive challenges could be uncovered during the earliest design stages?

Transition your ideas seamlessly from concept to reality — streamline workflows, mitigate risks, and accelerate your time to market with Compliance-Scope — your virtual EMI/EMC laboratory. Its

predictive capabilities enable you to identify and resolve electromagnetic compliance issues early, ensuring you stay ahead of the curve with precision.

Key Advantages



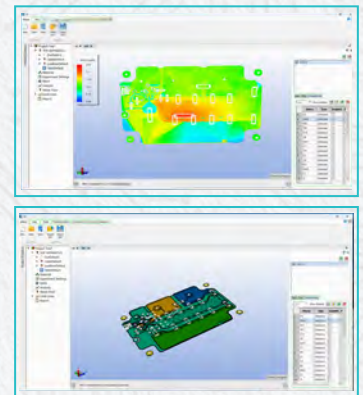
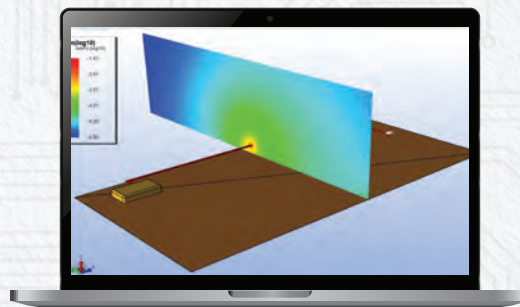
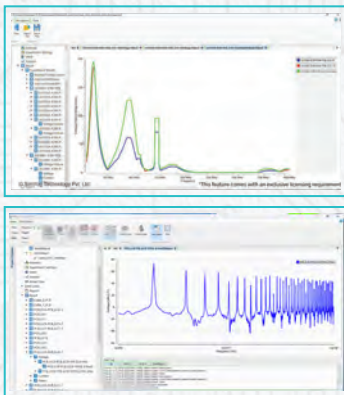
Cut BOM Costs
Save up to 50% on additional components for compliance



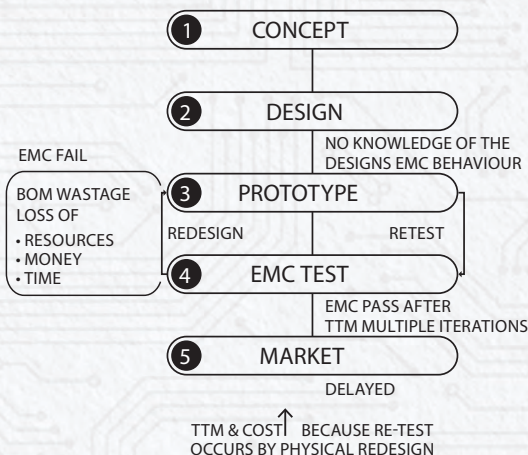
Reduced Operational Costs
Accurate results enable over 10% savings in R&D



Faster Time to Market
Reduce design cycles by 25%

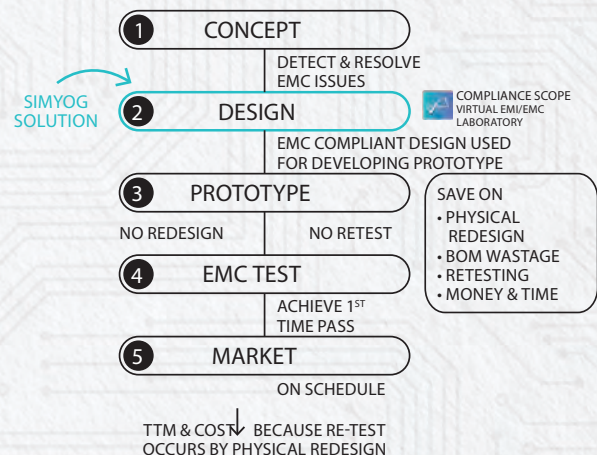


TRADITIONAL METHOD PHYSICAL LAB WORKFLOW



VS

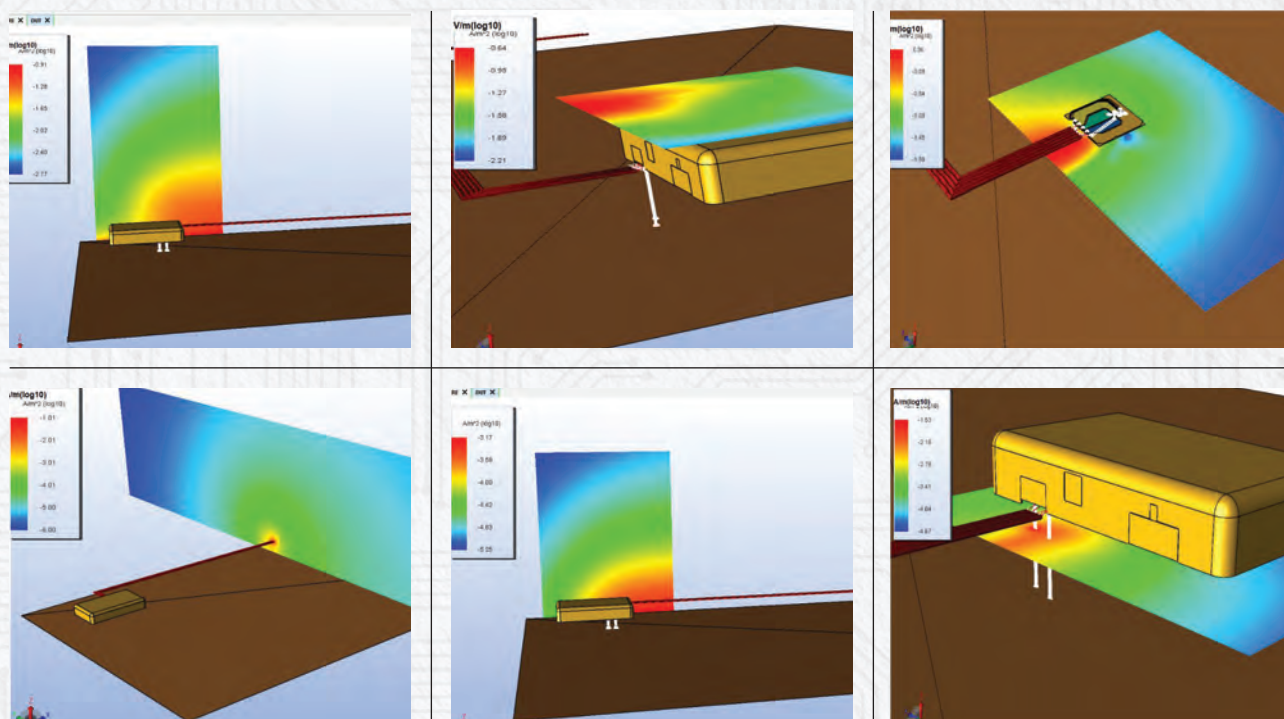
SIMYOG METHOD SIMULATION WORKFLOW



Why Compliance-Scope is a Game-Changer?

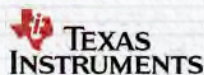
Key Features

- ▶ Predictive Compliance Testing
Analyze Radiated Emissions (RE), Conducted Emissions (CE), Radiated Susceptibility (RS), and Conducted Susceptibility (CS)
- ▶ Comprehensive Standards
Supports CISPR25, CISPR32, ISO 11452, MIL-STD-461G, and more
- ▶ Automated Simulation
Save engineering effort with fast 3D runtime and EMC-specific model libraries
- ▶ Real-Time Diagnostics
Visualize and address design bottlenecks instantly



Clients

Our global marquee customers



Mercedes-Benz



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Contact Us

1800-309-0746

info@simyog.com

www.simyog.com



SEM-Scope™: Model-based System-level EMI/EMC Simulation

What if complex systems could be simplified at their core?

It's possible with SEM-Scope, the industry's first tool for model-based system-level EMI/EMC simulation. SEM-Scope revolutionizes how you address integration-level challenges by generating sub-system models and embedding them into system-level simulations.

This makes setting up, solving, and visualizing

complex systems effortless. From streamlining design workflows to delivering precise insights, SEM-Scope empowers you to predict and design for system-level success.

Key Advantages



Simplified Setup
Streamline harness and geometry imports with intuitive tools



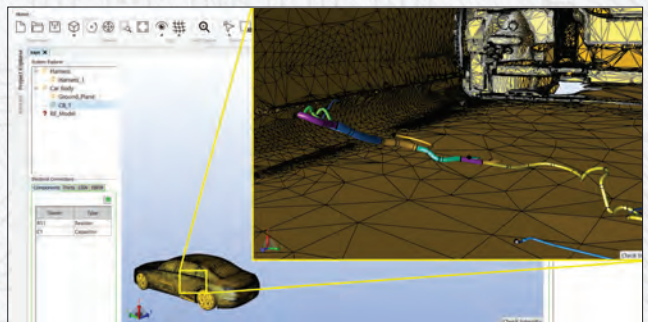
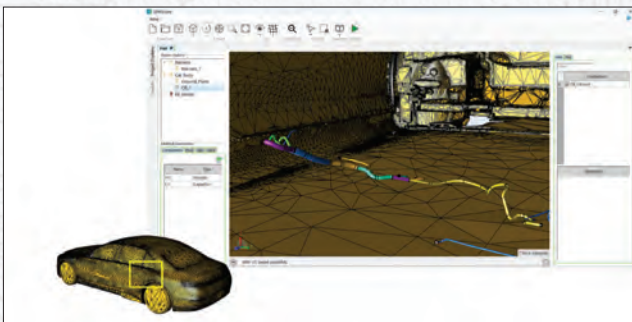
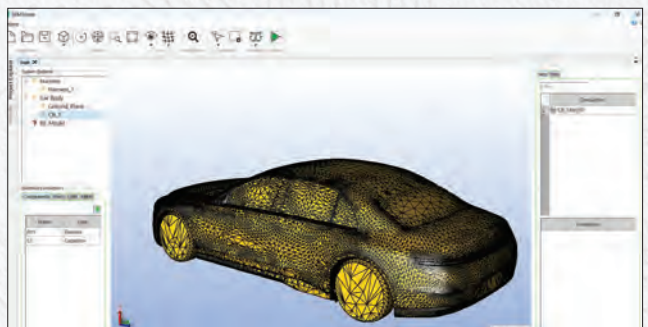
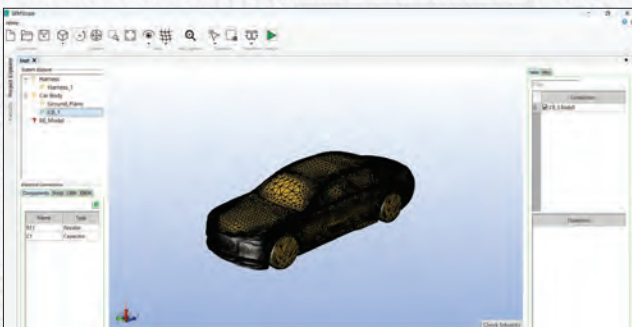
Comprehensive Analysis
Visualize system-level EMI/EMC behavior with precision



Enhanced Collaboration
Generate sub-system models without disclosing the internal details and share across teams/organisations for system-level results



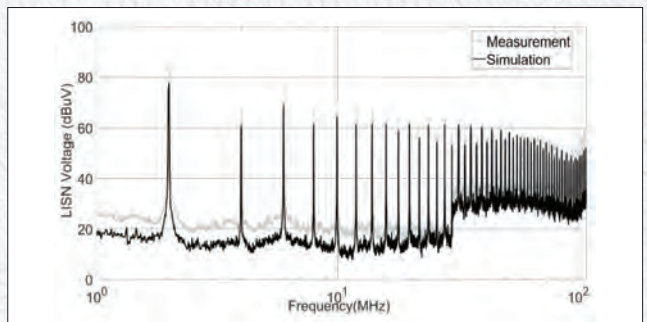
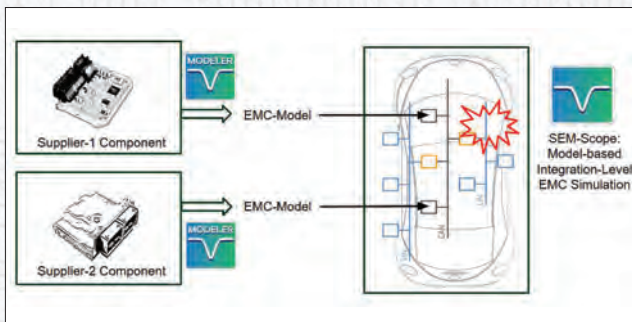
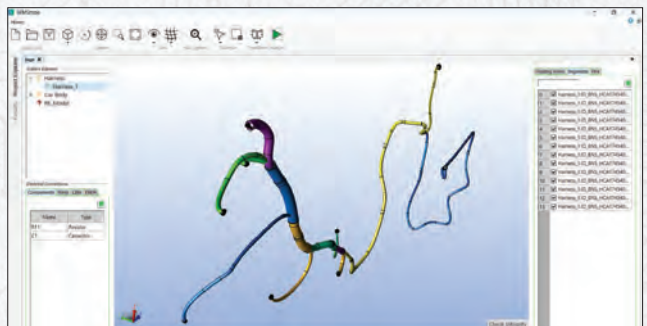
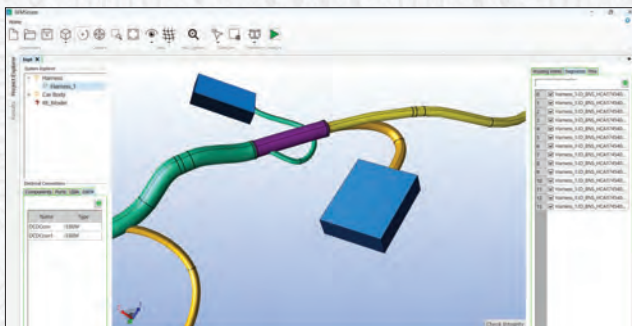
Efficiency Gain
Hybrid 2D/3D electromagnetic simulation setup for optimal efficiency



What makes SEM-Scope Essential for Complex Systems

Key Features

- ▶ **Sub-system Model Generation**
SEM-Scope provides the capability of generating Electronic Board Emission Models (EBEM) that do not disclose the internal details but is sufficient for system-level EMI/EMC analysis
- ▶ **Harness Integration**
Import KBL files with full cross-section data or path information, or create wiring harnesses from scratch using a cable library
- ▶ **3D Geometry Support**
Import SAT or STL files for detailed system visualization
- ▶ **Advanced Visualization**
Generate s-parameter and Eh/Ev field plots for comprehensive insights
- ▶ **Component Setup**
Add pins, ports, LISN, EBEM models, and other components easily
- ▶ **Dual Analysis Modes**
Switch between extraction and driven mode analysis with adaptive mesh refinement



Scan to learn more
or schedule a demo





Max-Scope[®]: Powering Precision in Electromagnetic Design

What if tackling electromagnetic challenges could be effortless and accurate — every single time?

Introducing Max-Scope, the next-gen 3D full-wave electromagnetic solver built on the Fast Method of Moments. Whether you are optimizing signal integrity or fine-tuning antenna designs, Max-Scope delivers

precision and efficiency like never before. It transforms even the most complex simulations into actionable insights, empowering you to create designs that don't just meet expectations — they set new standards.

Key Advantages



Comprehensive Applications
Supports Signal Integrity, Power Integrity, EMI/EMC, and Antenna Analysis



Quick Results
Delivers S-parameter extraction, near and far field computation, and antenna parameters with precision



Optimized Inputs
Integrates PCB layout (ODB++ files), 3D geometry (SAT files), BOM for discrete components, and circuit or electromagnetic sources



Next-Generation Technology
Features a linear-scaling Fast Method of Moments solver and high-efficiency multicore and multi-machine parallelization

Technology Differentiators



Scalable Solutions
Linear scaling ensures fast, efficient simulations, even for large designs



Parallel Processing
Harness the power of multi-core and multi-machine setups for superior performance

Applications



Signal Integrity Analysis



Power Integrity Optimization

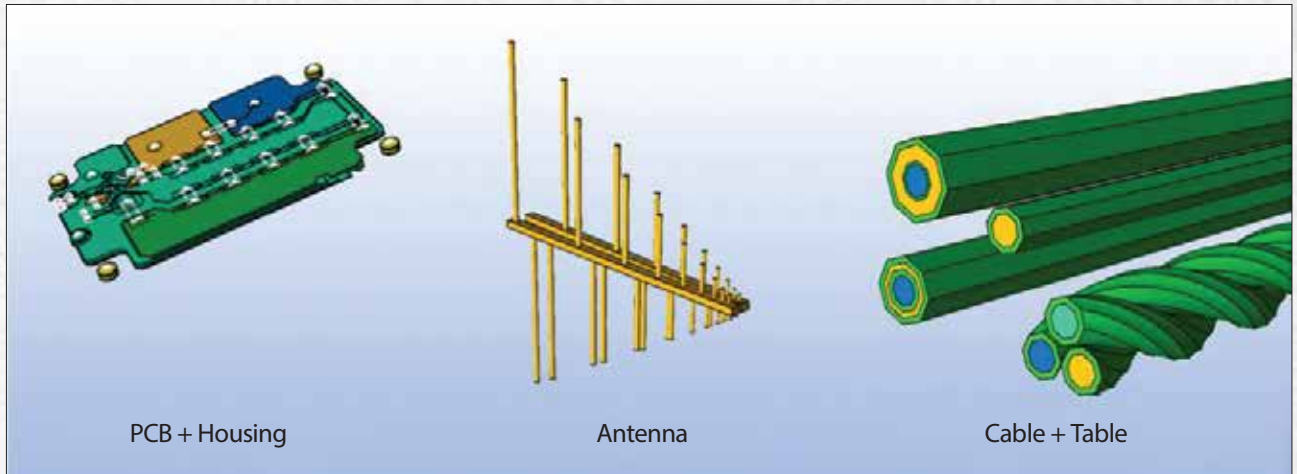


EMI/EMC Simulations

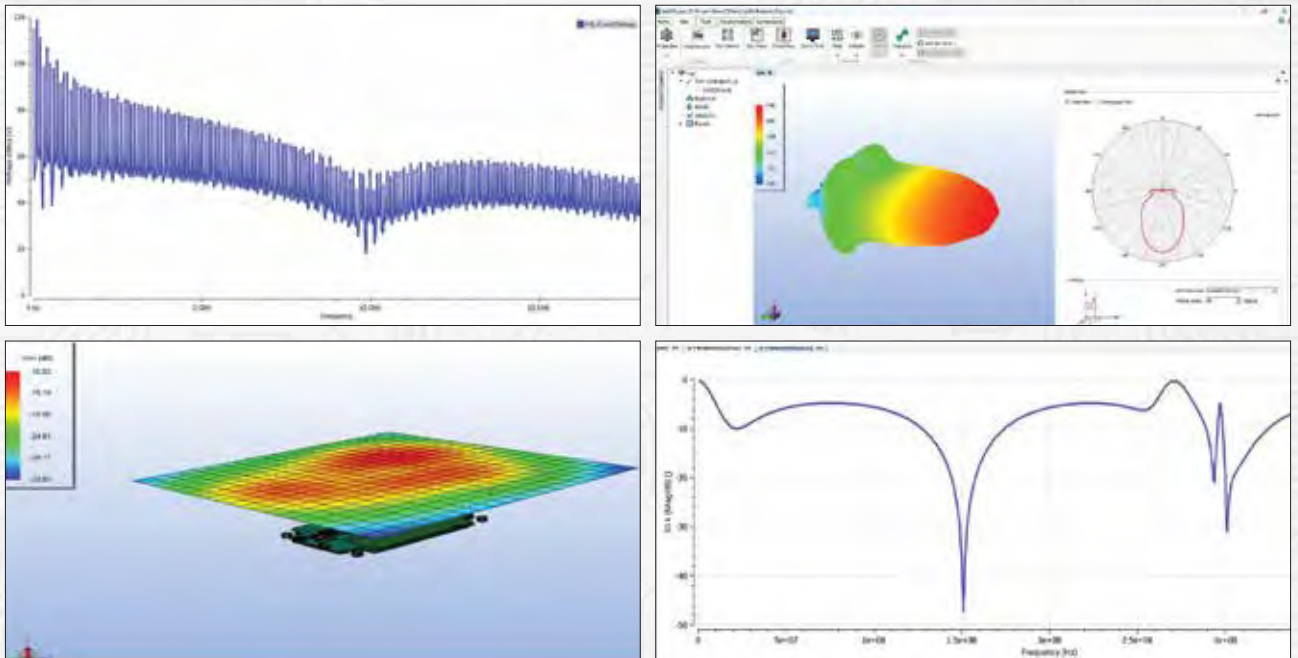


Antenna Performance Evaluation

Easy Setup and Editing



Visualization of Results



Why Max-Scope Stands Out

▶ Ahead of the Curve

Max-Scope leverages SimYog's deep domain expertise to deliver a revolutionary approach to electromagnetic simulations, combining speed, precision, and scalability in a way that redefines industry standards.

▶ Proven Performance

Built on years of cutting-edge research and development, Max-Scope empowers engineers with unparalleled insights and reliable results to meet even the most demanding design challenges.

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