Compliance Scope

Virtual Laboratory
for EMI / EMC

SimYog Technology Pvt. Ltd.
Simulate Possibilities

The Compliances

Bulk Current Injection (BCI)

The BCI method is mainly used for RF immunity testing of automotive components and ICs in electronics industry. In this test method , current is injected on one or more pins simultaneously to test for malfunctions.

Radiated Emissions Test (RE)

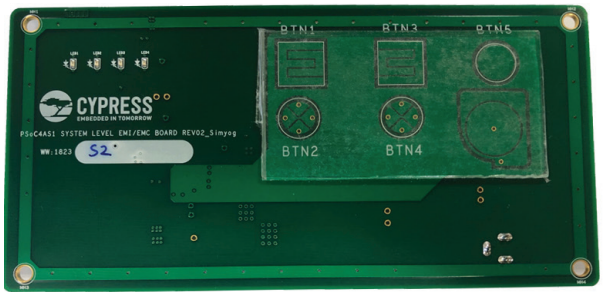
Radiated emissions testing involves measuring the electromagnetic field strength of the emissions that are unintentionally generated by the device. Emissions are inherent to the switching voltages and currents in the device.

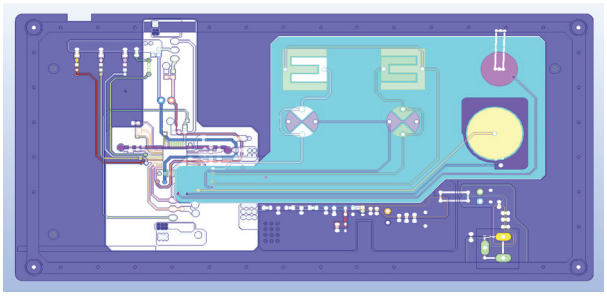
Radiated Immunity Test (RI)

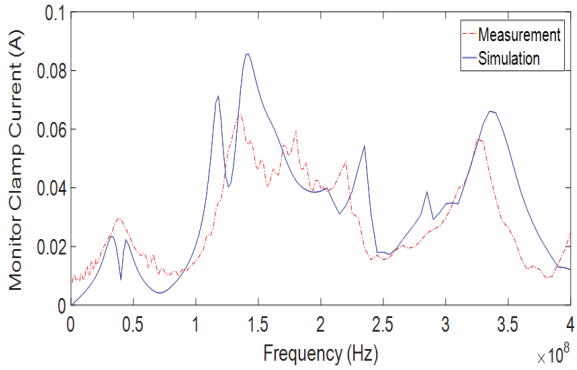
Radiated immunity test is to measure the immunity of device when subject to prescribed radiated electromagnetic field.

Conducted emission (CE)

Conducted emission method is used to find out the radio frequency noise present in the physical wiring or traces of an electrical system due to any switching or harmonic resonances within an equipment.







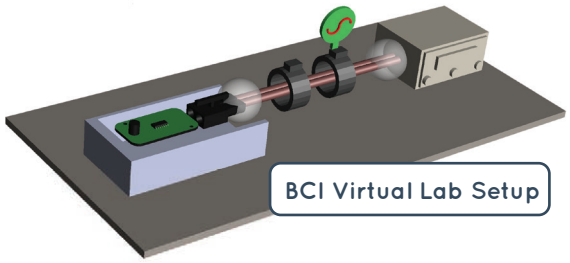
"Simyog's Compliance-scope was used to analyze the Bulk Current Injection on a product design. We could clearly observe how the impedance mismatch in one of the differential lines which eventually led to common mode currents and errors in data frames sent on these differential lines. Compliance scope can be used by any hardware engineer to easily arrive at a conclusion at an early stage."

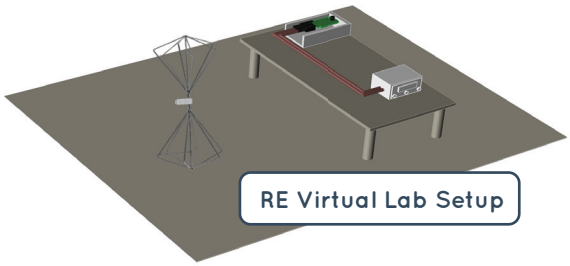
- Aravind Kamath, EMI/EMC Engineer for Global Products, **Robert Bosch Engineering and Business Solutions Pvt. Ltd.**

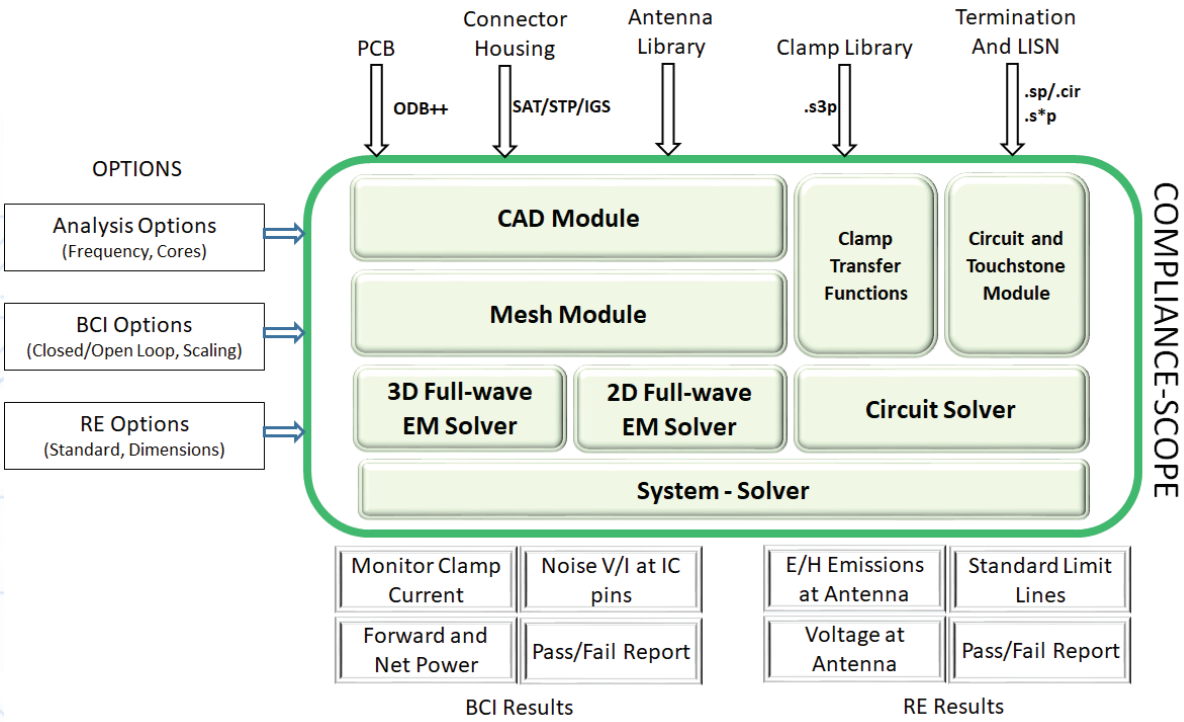
The Edge

Reduce EMI/EMC Compliance Failure to Zero

- Enable early-design verification
- Reduce re-spins
- Reduce laboratory costs
- Reduce time-to-market
- Reduce bill-of-materials incurred in late stage fixes







SimYog

Simulate Possibilities

Simyog offers system-level Design and Sign-off tools for Automotive Electronics

Simyog's vision is enabling agile processes for hardware development. This will be achieved by augmenting physical science with data-science and will reduce time from concept to market.

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