CISPR-Compliant EMC Measurements

Agilent Technologies and TDK RF Solutions Inc.

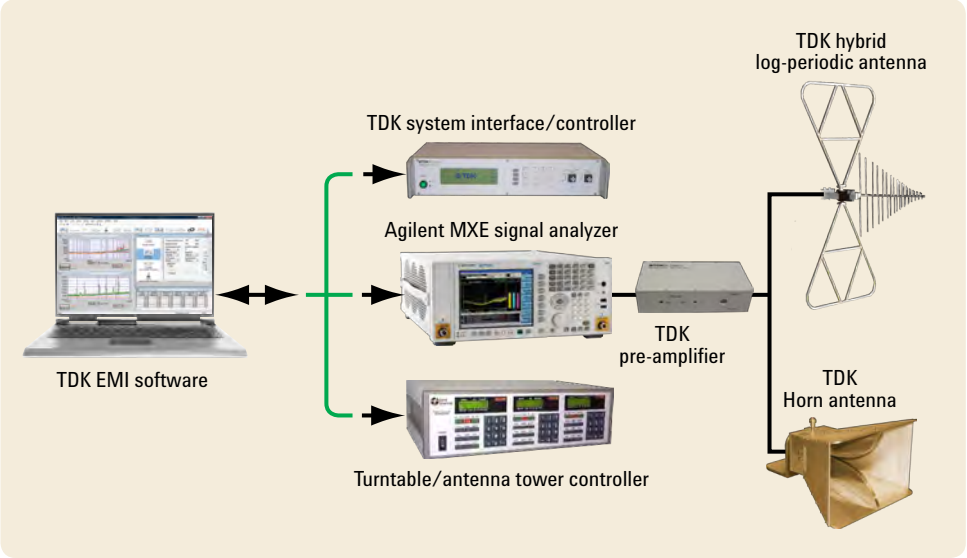
Prove your compliance to CISPR and other international standards with automated EMC measurements

When bringing new products to a world-wide market you have to prove their compliance to international electromagnetic compatibility/electromagnetic immunity (EMC/EMI) standards such as those issued by CISPR. EMC compliance measurements are typically based around an EMI receiver and software to automate and expedite the measurements.

TDK RF Solutions and Agilent Technologies together provide the hardware and software solutions necessary to automate your EMC/EMI compliance measurements. The new Agilent N9038A MXE EMI receiver is more than a CISPR-compliant EMI receiver, it features X-Series signal analysis and graphical measurement tools for easier examination of signal details. The MXE provides outstanding accuracy and sensitivity, extensive built-in diagnostic tools for EMI troubleshooting, two frequency ranges and all required detectors. The MXE allows you to move seamlessly between receiver and spectrum analyzer modes to speed the evaluation of your signal data.

The TDK RF Solutions EMI software integrates with the Agilent MXE EMI receiver, along with other accessories, to deliver a fully-compliant CISPR 16-1-1 EMI system. Additionally, it provides the uncertainty analysis that is expected from many customers. TDK RF Solutions provides the preamplifier, antennas, LISNs, and more, to deliver a high performance and flexible system.

- ***Prove compliance to CISPR and other standards***
- ***Automated EMC/EMI compliance testing***
- ***Uses Agilent MXE EMI receiver***
- ***TDK EMI software***
- ***Integrated turnkey solution***
- ***Includes all accessories, installation and training***



TDK RF Solutions specializes in providing turnkey, compliant solutions to meet specific standards and applications. TDK can specify preamplifier gain and noise figure, antenna factors, sensitivity, and software to ensure the customer has a fully compliant system. A system from TDK RF Solutions includes everything you need and can be integrated into a rack or designed to sit on a work table. These turnkey solutions include installation and training as standard to eliminate the burden of finding and integrating compliant instrumentation and hardware.

With a compliance test solution from TDK RF Solutions and Agilent you can automate and expedite the measurements required to prove the compliance of your products to international EMC/EMI standards.

Agilent Technologies

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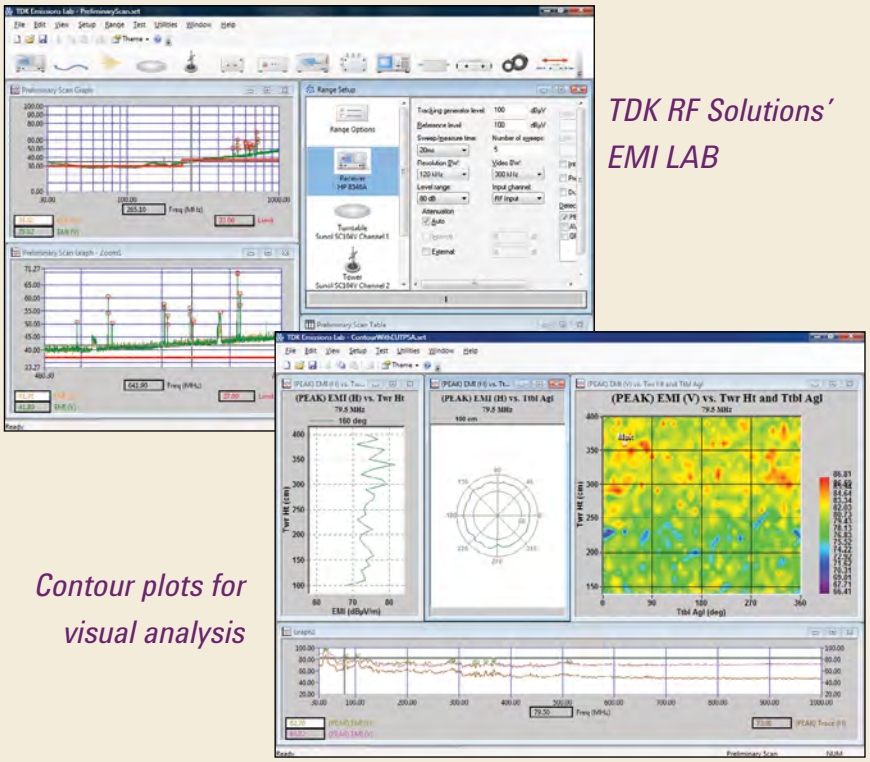

TDK RF Solutions' EMI LAB

Contour plots for visual analysis

To learn how this solution can address your specific needs please contact Agilent's solutions partner, TDK RF Solutions Inc.

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TDK RF Solutions Inc.

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Global Solutions Partner

Agilent Solutions Partner Program
Agilent and its Solutions Partners work together to help customers meet their unique challenges, in design, manufacturing, installation or support. To learn more about the program, our partners and solutions go to **www.agilent.com/find/solutionspartner**

TDK RF Solutions Inc. is a world leader in the design, development, and manufacture of technical solutions for the electromagnetic compatibility testing industry, including automated test systems, TDK anechoic chambers, software, antennas, and a wide range of test products. For more information visit **www.tdkrfsolutions.com**

For information on Agilent Technologies' products, applications and services, go to **www.agilent.com**

Product specifications and descriptions in this document subject to change without notice.

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System Components

Agilent Technologies

N9038A-508	MXE EMI receiver, 20 Hz to 8.4 GHz
N9038A-526	MXE EMI receiver, 20 Hz to 26.5 GHz

TDK RF Solutions Inc.

Turkey compliant solutions –	Commercial, automotive, MIL-STD, telecom, medical, customized
HLP-3003C	Hybrid log periodic antenna, 30 MHz to 3 GHz
HLP-2006C	Hybrid log periodic antenna, 20 MHz to 6 GHz
HRN-0018	Double ridge horn antenna, 1 to 18 GHz
TDK-EMI-LAB	EMI software
PA-xx	TDK preamplifiers

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