EMC Pre-Compliance Test Systems

Keysight Technologies and TOYO

Accelerate your pre-compliance testing with G-CELL and G-TEM based systems

Electromagnetic compatibility (EMC) measurements made in accordance with the international CISPR16 standard require the use of an anechoic chamber or an open area test site (OATS). The provision of these facilities can involve significant investments in both time and cost. Even users with an OATS or anechoic chamber can find it difficult to access these facilities at a convenient time due to their frequent use.

TOYO Corporation's test systems based on G-TEM (gigahertz transverse electromagnetic) cells and G-CELLs allow EMC pre-compliance testing to take place in an office environment.

With TOYO's EMC pre-compliance test systems, you can measure radiated noise with a G-CELL or G-TEM cell instead of using an open area test site or in an anechoic chamber. Potential interference or immunity problems can be identified early allowing preventative action to be taken before incurring the cost and time of full EMC testing. G-TEM cell systems can support testing up to 18 GHz and are available in a number of configurations to support different sizes of equipment-under-test (EUT).

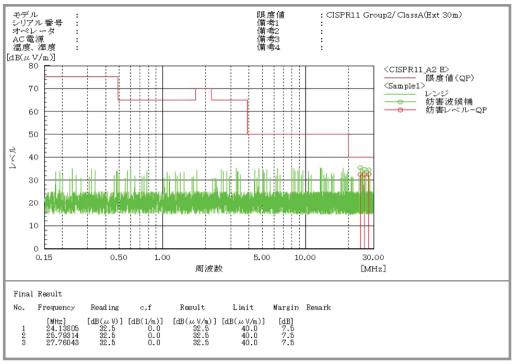
- EMC pre-compliance testing
- G-TEM cell or G-CELL configurations
- Minimizes testing at anechoic chambers or OATS
- EMC testing in office environment
- Identifies interference allowing early correction
- Performs radiated immunity testing
- Uses Keysight spectrum analyzers
- Accelerates product development process.

KEYSIGHT TECHNOLOGIES

EMC Pre-Compliance Test Systems

The G-CELL based system can accommodate an EUT of up to 40 x 40 x 40 cm and comes with a large opening for easy access. With external dimensions of 70 x 70 x 70 cm the G-CELL can be installed easily in an office environment. The systems can also be used for radiated immunity testing.

The systems come with TOYO EP5/ME software, which allows you to store your test results for comparison to past data and reporting.



The systems can be used with a range of Keysight Technologies spectrum analyzers, including the N9320B 9 kHz to 3 GHz RF spectrum analyzer. The choice of Keysight spectrum analyzer will depend upon the frequency required in the test.

With the TOYO G-TEM cell and G-CELL EMC pre-compliance test systems and Keysight spectrum analyzers you can simplify and accelerate your product development process.

System Components

Keysight Technologies

N9320B	RF spectrum analyzer 9 kHz to 3 GHz

TOYO Corporation

EP5/ME-AJ	Pre-compliance EMI measurement software
G-CELL	TEM-wave large-bandwidth transmission line system
G-TEM	G-TEM cell system

To learn how this solution can address your specific needs please contact Keysight's solutions partner, TOYO
www.keysight.com/find/toyo

TOYO Corporation

Keysight & Solutions Partners
Extending our solutions to meet your needs

Keysight 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.keysight.com/find/solutionspartner

TOYO Corporation has more than 30 years of experience in the field of EMC measurement. The company is one of Japan's pre-eminent specialists in measurement, providing comprehensive and integrated support in hardware, software and education.
www.toyo.co.jp/english

For information on Keysight Technologies' products, applications and services, go to
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