

# EMISSION MEASUREMENTS OF ANSI C63.4 AND TIME DOMAIN APPLICATIONS (ANSI C63.25 SERIES)

(Visit [www.c63.org](http://www.c63.org) for more information)



This workshop will share the activity currently underway in the ANSC C63® committee for C63.4 and C63.25 series. Among the many updates, EMC Site Validation requirements are migrating from C63.4 to the C63.25 standards series: ANSC C63 - C63.25.1, C63.25.2, and C63.25.3. Topics covered include: (1) Review of the latest draft edition of ANSI C63.4:20xx and (2) Application of Time Domain (TD) SVSWR in C63.25.1 (1 GHz – 18 GHz) (3) Newly streamlined procedures for site validation measurements in C63.25.2 (30 MHz – 1 GHz) (4) Latest development for site validations using Cylindrical Mode Filtered SVSWR (CMF SVSWR) measurements for test site validation and antenna calibration (18 GHz – 40 GHz) to be included in C63.25.3.

This workshop is designed to increase your understanding of the C63.4 standard and the expected changes in the next revision, and what to anticipate in the new C63.25 series on EMC site validation methods.

For the C63.4 discussions, there will be an analyses and changes in the requirements for the above 1 GHz test method, use of the 2 dB rule, compliance files, test setup changes and many other aspects.

For the C63.25 discussion, application of time domain and mode filter methods for validating EMC test sites will also be presented along with a live demonstration on its usage. As time permits, attendees will get a chance to apply what they learned via problem solving.

## In the C63.4 workshop, you will learn:

- RF emission measurement procedures
- National and international regulatory implications
- Test facility and instrumentation requirements
- Equipment test arrangements and configurations

## In the Time Domain (C63.25) workshop, you will learn:

- Application for site validation
- Application for antenna calibration

## Support material provided

- A complete lecture flash drive
- FCC handouts and references

## WHO SHOULD ATTEND

Those responsible for determining compliance with FCC Rules and Regulations (and CISPR 22), including:

- Product managers and developers
- EMC engineers and test technicians
- Regulatory compliance managers
- Test instrumentation developers
- Those using and calibrating antennas in making radiated emission compliance measurements
- Calibration technicians
- Calibration and measurement accreditation bodies
- Lab quality assessors
- Test instrumentation and chamber manufacturers

## EXPERT INSTRUCTORS

The workshop features industry experts and active technical contributors to ANSC C63, including Andy Griffin (Cisco), C63.4 Working Group Chair, and Zhong Chen (ETS-Lindgren), Chair of Subcommittee 1 (SC1), Techniques and Development. Standards C63.4 and C63.25 are developed and maintained by SC1.

## DATES AND LOCATION • JULY 28-29, 2023

Grand Valley State University/E3 Compliance in Grand Rapids, MI. See [www.emc2023.org](http://www.emc2023.org) for symposium hotel info and to reserve your hotel room.

## FEE INCLUDES

Complete lecture flash drive, continental breakfast, lunch, breaks, and completion certificate. Fee does NOT include copies of the draft or published standards. Fee does NOT include hotel accommodations.

## AGENDA

### Friday, July 28

8:30 am: Registration and Continental Breakfast  
9:00 am to 5:00 pm: Workshop Lectures

### Saturday, July 29

8:30 am: Continental Breakfast  
9:00 am to 12:00 pm: Workshop Lectures and Live Demonstrations

## REGISTRATION FORM Contact: Janet O'Neil • Telephone: 425-443-8106 • [j.n.oneil@ieee.org](mailto:j.n.oneil@ieee.org)

Ms./Mr. \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Daytime Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Signature: \_\_\_\_\_

### Check or Credit Card Number must accompany registration.

To pay by credit card, please so indicate when you submit your registration form and an invoice will be emailed to you.

### Workshop Fee – All Day July 28 and Morning Only July 29

By June 15*:	\$1,100 USD	_____
C63® & S/C Members (by June 15)	\$975 USD	_____
Add \$200 if after June 15 or at the door**	\$200 USD	_____
	Total USD \$	_____

Make check payable to:

**U.S. EMC Standards Corporation** in U.S. dollars drawn on a U.S. bank.

Mail to:\* Janet O'Neil  
ETS-Lindgren  
8422 NE Meadowmeer Drive  
Bainbridge Island, WA 98110

**NOTE: You are not registered until you receive confirmation.**

**\*Please do not mail after July 10. \*\*With prior telephone or email registration only.**