



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

(Visit 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.

NEW this year – an update will be provided on the recently published C63.2 “Specifications of Electromagnetic Interference and Field Strength Measuring Instrumentation in the Frequency Range 9 kHz to 40 GHz.”

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

With the C63.2 update, you will learn:

- The new requirements for instruments used for EMI measurements
- Importance of quasi-peak, peak, and average detection in the frequency range 9 kHz to 40 GHz

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 Chair of Subcommittee 1 (SC1), Techniques and Development. Standards C63.4 and C63.25 are developed and maintained by SCI; as well as Zhong Chen (ETS-Lindgren), Vice Chair ANSC C63 and C63.25.1 Working Group Chair; plus Jens Medler (Rohde & Schwarz), C63.2 Working Group Chair.

DATES AND LOCATION • AUGUST 2 AND 3, 2024

Compliance Testing in Mesa, AZ. See www.emc2024.org for symposium hotel info and to reserve your hotel room.

FEE INCLUDES

Complete lecture slides, 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, AUGUST 2

8:30 am: Registration and Continental Breakfast

9:00 am to 5:00 pm: Workshop Lectures

SATURDAY, AUGUST 3

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

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 August 2 and Morning Only August 3

By July 5*:	\$1,100 USD	_____
C63 [®] & S/C Members (by July 5)	\$975 USD	_____
Add \$200 if after July 5 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 15. **With prior telephone or email registration only.

The organizing committee reserves the right to substitute speakers, modify the program (or lecture notes), restrict attendance or to cancel the workshop(s). In the event the workshop is canceled, registration fees will be refunded. No refunds will be made to individuals who cancel after July 1. Substitutions are allowed. Workshops without a minimum of 10 attendees registered by 10 July 2024 will be cancelled and registration fees returned. It is suggested that you book refundable travel arrangements as appropriate if workshop is cancelled.