

Compliance Testing of Wireless Devices and Unintentional Radiators

(Visit www.c63.org for more information)

These emission workshops are in two parts over a period of two days. The first is a day and a half (24 July and the morning of 25 July) overview of the current proposed changes to the standard ANSI C63.10 for unlicensed transmitter testing and the standard ANSI C63.26 for licensed transmitter testing. The second half-day (afternoon of 25 July) is on the revised changes to ANSI C63.4 for unintentional radiators. These three standards capture most of the procedures for testing the three types of radiators to show compliance with FCC requirements. Group discussions will be a highlight of the wireless workshop. A demonstration will supplement the lecture material, time permitting. The unintentional half-day workshop will focus on the major changes in the standard. The instructors are members of ANSI ASC C63®; they have an intimate knowledge of the technology and contributed directly to the development of these procedures.

The 1.5 day Wireless Workshop covers

- Instrumentation requirements
 - Average value of pulse emissions
 - Antenna and test site requirements
 - RF output power measurements
 - Modulation measurements
 - Occupied bandwidth procedures
 - Band-edge procedures
 - Direct and signal substitution radiated emission measurements
 - Frequency stability measurements
 - Conducted tests at antenna port
 - Smart antenna system tests
 - Revised MIMO procedures
- Annexes covering example of OOB masks, consumer booster requirements, ERP/EIRP guidelines, path loss characterization, sample test report, compliance tests versus regulatory requirements

The half-day C63.4 Workshop covers

- Testing larger equipment
- Test site validation above 1 GHz
- Multiple ways to maximize emissions
- Tolerances for required distances
- Cable termination test requirements
- HDMI input/output test requirements

Who Should Attend

Those responsible for determining compliance with FCC Rules and Regulations, including:

- Product managers and developers
- EMC engineers and test technicians
- Regulatory compliance managers
- Test instrumentation developers
- Calibration and measurement accreditation bodies
- Lab quality assessors
- Test instrumentation and chamber manufacturers

Date and Location

Friday 24 July/Saturday 25 July 2020
College of Engineering
Palmer Engineering Building
The University of Nevada, Reno
Classroom information to be confirmed upon registration.

IEEE EMC+SPI Symposium Host Hotel:

See [EMC Symposium website](#) for details. Attendees are responsible for their own accommodations. Travel expenses are NOT included in the registration fees.

Expert Instructors

Mark Briggs, UL Director, Wireless Certification Program and **Bob DeLisi**, UL Principal Engineer. **Don Heirman**, Don HEIRMAN Consultants. Speaker bios are available at www.C63.org/workshops.htm.

Registration Fee Includes

Continental breakfast, lunch and refreshment breaks, and completion certificates. Soft copy of workshop notes only will be provided. Transportation to/from the Atlantis Hotel and the University of Nevada, Reno will be provided. (Fee does NOT include draft or published standards.)

Agenda

C63.10/C63.26 Wireless Workshop
All day (9 am to 5 pm), Friday 24 July and morning of 25 July 2020 (9 am to noon)

C63.4 Workshop

Saturday afternoon, 25 July 2020, 1:30 pm to 4:30 pm

Registration: 8:30 am on both days, 24 and 25 July 2020.

Registration Form (please print legibly or type)

Ms./Mr. _____
Company _____
Address _____
City _____ State _____ Zip _____
Daytime Phone _____
Email _____

C63.10/26 Workshop (July 24 all-day, July 25 morning)
By June 10* \$895 USD _____
Add \$150 if registered after June 10 \$150 USD _____
C63.4 Workshop (Saturday afternoon, July 25)
By June 10* \$325 USD _____
Add \$150 if registered after June 10 \$150 USD _____

Total ** \$ _____ USD

*Please do not mail after July 10. **A 20% discount applies to ANSI ASC C63® committee and subcommittee members.

Registration Contact: Janet O'Neil

Telephone: +1 425-443-8106 Email: j.n.oneil@ieee.org

NOTE: You are not registered until you receive confirmation. On site or "at the door" registrations can only be accepted with prior phone or email confirmation.

Payment Options:

ON LINE: To pay on line, send an email to j.n.oneil@ieee.org along with a scan of this completed registration form. An invoice will be returned to you via email, which you can use to pay on line with your credit card.

CHECK: Make check payable to **U.S. EMC Standards Corporation** in U.S. dollars drawn on a U.S. bank. Mail to:

Mike Windler, PO Box 598, Burlington, Wisconsin 53105

Please visit www.c63.org/workshops.htm for more information on ANSI ASC C63®, this workshop, and speaker biographies.

The organizing committee reserves the right to substitute speakers, modify the program (or lecture notes), restrict attendance or to cancel the workshop. In the event the workshop is canceled, registration fees will be refunded. No refunds will be made to individuals who cancel after June 10. Substitutions are allowed. *Workshops without a minimum of six attendees registered by 20 June 2020 will be canceled and registration fees returned. It is suggested that you book refundable travel arrangements as appropriate if the workshop is canceled.*