

Radio Frequency Safety Officer Courses For 2019 in Chandler, AZ



Attendees can earn CEU's from the
IEEE for this approved course

Inventory
Evaluate
Control
Manage
Follow-up

Radio Antenna Safety Services, LLC

Course Outline

- **BASICS of Non-Ionizing Radiation (NIR)**
 - Ionizing vs. Non-Ionizing
 - Frequency and Wavelength
 - Applications
- **Exposure Effects**
 - Currents, Absorption, Surface Heating
 - Non-thermal Effects
 - Overexposure Effects
- **Standards**
 - FCC, IEEE, SC6 and ICNIRP
 - Exposure and Action Limits
 - Medical Device Limits
- **Safety Programs**
 - IEEE C95.7 Recommendations
 - Intentional and Unintentional Emitters
 - Engineering and Administrative Controls
- **Antennas**
 - Near, Intermediate and Far-field calculations
 - Gain vs. Beamwidth
- **Instrumentation**
 - Sensor types vs. Frequency
 - Monitors and Meters
 - Fixed and Portable
 - Types of Detectors

RFSO Course Introduction

There are many sources of Non-Ionizing Radiation in our world today. Learn how to effectively manage them in this unique training class.

Today's RFSO needs a solid foundation in the various sources of NIR and the best practices to control them. This course gives the best information available with up-to-date review of existing and proposed standards. Starting out with the basics we quickly move through the exposure effects so that you gain an understanding of how the standards are developed.

The second half of the course focuses on the practical knowledge necessary to control NIR hazards. Starting with development of effective RF Safety programs and a knowledge of intentional and unintentional emitters, attendees are ready to review the various types of instrumentation available to effectively monitor or measure NIR in the workplace, or any place.

When location and time permits, we also organize a "hands-on" session where attendees get to make actual measurements in front of antennas. Attendees can get help with their instruments or use some of ours.

What You Should Expect to Learn

Attendees will learn how to effectively identify and manage sources of NIR in any industry.

Generate an Effective RF Safety Program

Non-Ionizing Radiation is a difficult discipline for some safety professionals. We simplify it for attendees while separating facts from fiction and give you a solid foundation to move forward. You will be able to provide valuable knowledge to your employer after this course.

Not every source of Non-Ionizing Radiation needs to be part of your program. Learn how (and why) to discriminate between sources based on power and frequency.

What controls are successful while also being cost effective is learned as well as evaluating your program going forward.

- Learn about Sources of NIR—DC to Ultraviolet (excluding laser's)
- Learn the biology that Standards are based on
- Know the difference between the Standards
- Learn how and when to Institute Controls
- How to Evaluate Antennas
- Learn about the different types of RF Safety Equipment

CUSTOM CLASSES

When you need to train more than a few people, we're more than willing to bring our training to you. We've provided RF Safety training domestically as well as internationally for years.

CUSTOM CONTENT

We can tailor our training to your needs. Industrial users don't necessarily want or need to know about antennas, so we spend more time on controlling those devices in your workplace. Contact us to learn more about meeting your needs.

Classes are also modified for the needs and level of knowledge of the attendees. Getting too technical with non-technical employees is usually wasted time. We present what needs to be learned in order to make your program succeed.



How To Register for our RFSO Class, held in Chandler, AZ.

Just fill in the fields below and let us know the class you're interested in and e-mail or fax back to us. We'll confirm with you the registration and let you know more information about nearby hotels. For custom class requests, we'll get right back to you to begin the quoting process.

- Register Me for the March 12-14 RFSO Class (\$ 1,950.00)
- Register Me for the April 9-11 FCC RFSO Class (\$ 1,950.00)
- Register Me for the November 5-7 RFSO Class (\$ 1,950.00)

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY / STATE / ZIP _____

TELEPHONE () _____

E-MAIL _____

Please Send Me Information on:

- Future 3-Day Courses Custom In-House Courses

Radio Antenna Safety Services, LLC
1900 W. Chandler Blvd., Suite 15-236
Chandler, AZ 85224

E-mail: info@saferoof.net
Phone: (800) 203-1920
Fax: (509) 275-0709