



MICROWAVE UPDATE 2016

OCTOBER 13-15

St. Louis, MO

Microwave Update is the only conference in the U.S. devoted to the Amateur 900 MHz through 47 GHz and above Microwave bands. Attendees include the "who's who" of the Microwave community here in the U.S. and world including Europe, Japan and Australia.

**Two Days of
Technical
Presentations**

**Proceedings
Published by ARRL**

Antenna Range

**Noise Figure
Measurements**

**Friday night Swap
Meet**

**Luncheon
Saturday Banquet**

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microwaveupdate.org

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Microwave Update 2016 – St. Louis, MO

When: October 13th – 15th

Host Hotel: Holiday Inn – Airport West in Earth City, MO.

Technical presentations on Friday and Saturday will be given by leading Amateur Operators pursuing activities in the Microwave bands.

Informative forums will be drawn from these various topics:

- Antenna modeling and testing methods
- Beacon design, construction and operation
- Best operating practices
- Broadband & mesh networks
- Commercial and surplus microwave components – adapting and using them
- Demonstration projects for Maker Faires, schools, non-microwave Hams
- Designing for mobile and portable microwave operation
- Effectiveness of various digital weak-signal modes at microwave frequencies
- EME station design and operation
- Getting started on the microwave bands
- Homebrew construction methods and tips
- Microwave-band repeaters – voice, video, data
- Propagation characteristics and paths
- Use of test equipment to test, optimize and troubleshoot equipment
- Weatherproofing and or ruggedizing outdoor fixed and portable installations

Bring your Preamps and Microwave antennas for free *Noise Figure* and *Antenna Gain* measurements. A location in the hotel parking lot will be available to show mobile Rover and Portable Dish Microwave stations on-the-air. A 10GHz Beacon will be accessible for testing.

MUD Auction - A popular auction among the attendees will be Friday and Saturday auctions with proceeds helping defray the conference expenses. Bring along any extra unwanted equipment that you would like to donate and help make it a successful and fun event.

The MUD Conference will conclude with a Saturday evening banquet with a featured speaker followed by many door prize giveaways.