



## Portable MUOS Emulator



*Mighty MUOS*

### Hands-On Mission Training. Off-Satellite Operation.

The Mobile User Objective Orientation System or “**Mighty MUOS™**” is an off-satellite system emulator that prepares users and planners prior to MUOS radio use in the field. This local and portable solution for the MUOS system offers realistic and configurable training without the use of live satellite channels.

The Mighty MUOS is perfectly suited for MUOS system validation, classroom education, pre-mission rehearsals and system checks. Using this dynamic technology, your organization can exercise various connectivity scenarios to develop TTPs and train personnel, while maintaining manageable logistics and reduced expenses.

### Product Highlights

- Portable and durable design
- Emulates MUOS system operation without using live satellite channels
- Supports up to 5 simultaneous call service legs and up to 30 concurrent netted users
- Default scenarios included
- Capability to customize scenarios and create new ones
- Self-contained and ready to use when connected to AC power and MUOS terminals
- Base unit emulates a single MUOS satellite beam-carrier
- Optional second satellite beam-carrier

Contact **Jason Ferguson** at **480 422 6009 x827** or **jasonferguson@W5Tech.com** for more information.

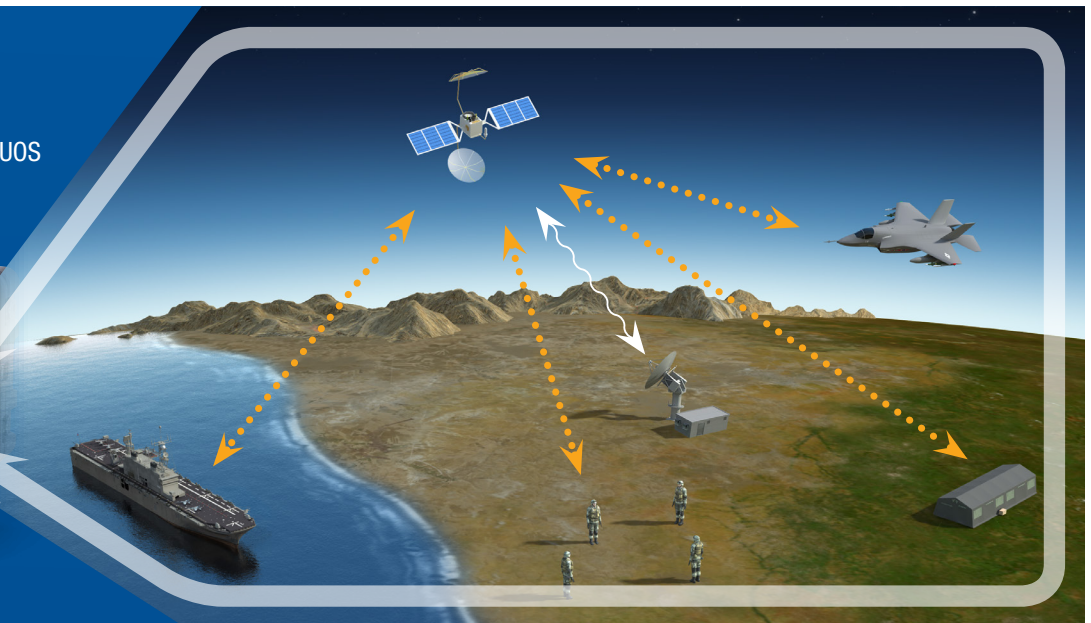
# Portable MUOS Emulator

## Features

<b>Call Types Supported</b>	Point-to-Point (PtP). Point-to-Net (PtN) & Netted Comms; SIPRNET and NIPRNET emulation
<b>Data Rates Supported</b>	2.4kbps, 9.6kbps, 32kbps, and 64kbps
<b>MUOS Supported</b>	MUOS MIL-Std-188-XXX; Usable with all MUOS-compatible terminals
<b>Frequencies Supported</b>	300-320 MHz (UHF) in the U2B direction 360-380 MHz (UHF) in the B2U direction
<b>Control and Interface</b>	GUI on included laptop
<b>Power</b>	120 VAC
<b>Dimensions</b>	26"W x 34"H x 36"D
<b>Weight</b>	120 lbs
<b>Inputs</b>	Direct connection of up to 4 TX/RX terminals and 4 TX-RX terminals. RF Input up to 20 watts on each input. Internal and external frequency reference capability
<b>Case</b>	Rugged shipping container with shock-mounted electronic chassis Removable, stowaway front and back covers Removable, lockable swivel casters Water-resistant with grip handles
<b>Initial Setup and Training</b>	On-site setup and user training available
<b>Warranty</b>	3 months
<b>Options</b>	Expansion module for added beam, capacity, and terminals Alternate frequency bands Simulated channel impairments Antenna Extended support



The Mighty MUOS' satellite and ground emulations are indistinguishable from actual MUOS system operations.



Ultra-realistic mission scenarios

