



Portable MUOS Emulator



Mighty MUOOS™

Hands-On Mission Training. Off-Satellite Operation.

The Mobile User Objective Orientation System or “**Mighty MUOOS**” 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 MUOOS 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.

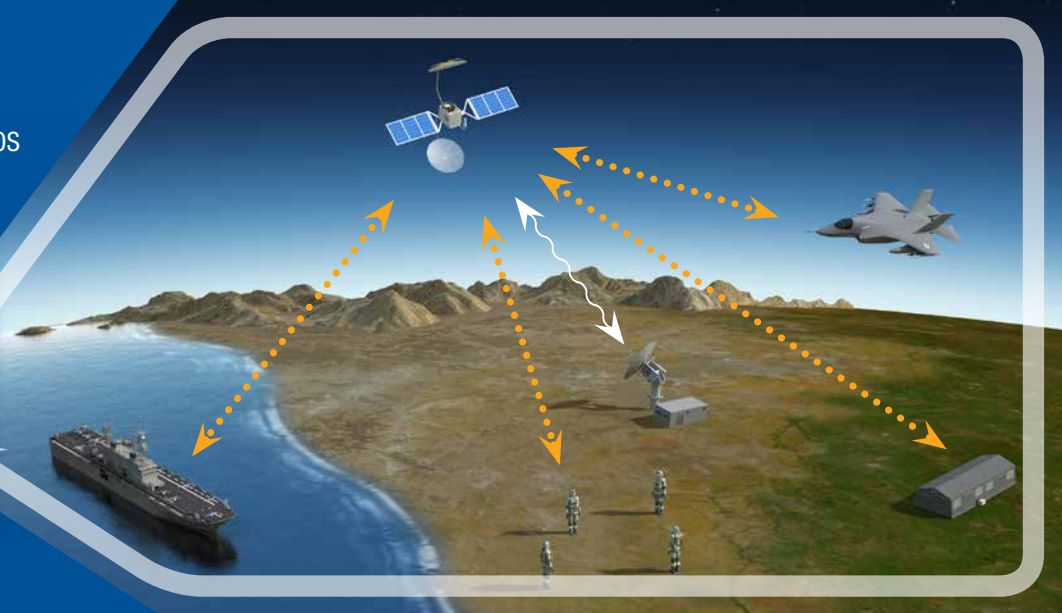
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Features

Call Types Supported	Point-to-Point (PtP). Point-to-Net (PtN) & Netted Comms; SIPRNET and NIPRNET emulation
Data Rates Supported	2.4kbps, 9.6kbps, 32kbps, and 64kbps
MUOS Supported	MUOS MIL-STD-188-187; Usable with all MUOS-compatible terminals
Frequencies Supported	300-320 MHz (UHF) in the U2B direction 360-380 MHz (UHF) in the B2U direction
Control and Interface	GUI on included laptop
Power	120 VAC
Dimensions	26"W x 34"H x 36"D
Weight	200 lbs
Inputs	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
Case	Rugged shipping container with shock-mounted electronic chassis Removable, stowaway front and back covers Removable, lockable swivel casters Water-resistant with grip handles
Initial Setup and Training	On-site setup and user training available
Warranty	3 months
Options	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



UHF



Ka-Band