



TLC Solutions Inc.
USER FIRST TECHNOLOGY

TLC SOLUTIONS, INC.
PRODUCTS & SERVICES

WIRELESS NETWORKS

SYSTEMS INTEGRATION

PRODUCT DEVELOPMENT

CUSTOM FABRICATION

OTHER PRODUCTS
AVAILABLE

- 5G NETWORKS
- LTE NETWORK
- GSM NETWORK
- UMTS NETWORK
- EVDO NETWORK
- CDMA NETWORK
- MULTI-STANDARD CORE NETWORK
- CHATTERBOX CELLULAR TRAFFIC GENERATORS



CHATTERBOX 4G LTE TRAFFIC GENERATOR

FEATURES

Easily configured and operated through a GUI interface.

Supports the following data types:

- ICMP PING, UDP, RTP (sends RTP packets at constant bitrate)
- VOIP (sends RTP packets with a statistical voice profile to emulate VOIP)
- Flood (sends burst of UDP packets),
- HTTP



THE CHALLENGE

Testing and simulation of 4G LTE Networks normally would be accomplished using a stack of mobile phones and a crew of testing personnel. Fortunately, a much more automated and scalable solution is available.

THE SOLUTION

TLC Solutions' **ChatterBox 4G LTE** has been designed to support large scale training of personnel who need to simulate real world communication traffic environments. **ChatterBox 4G LTE** can also be used to stress-test networking equipment by subjecting the network to performance extremes.

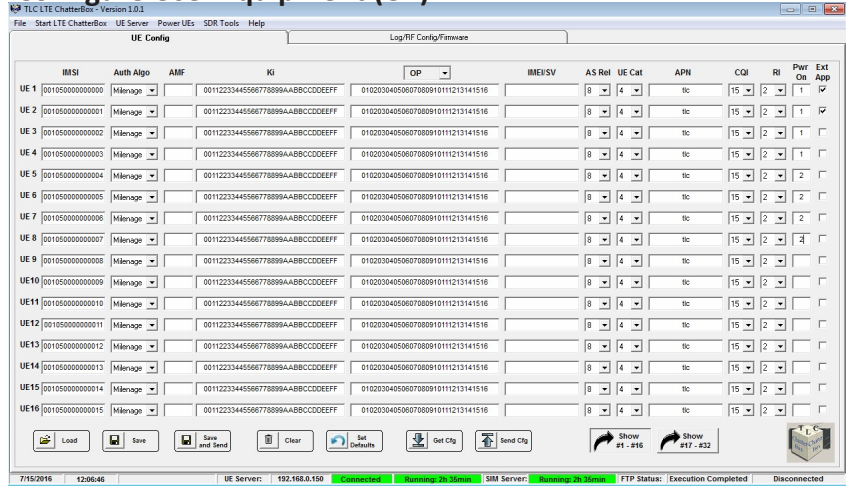
EASE OF USE

ChatterBox 4G LTE has an intuitive and easy-to-use graphical user interface that takes the guesswork and errors out of test management. Users can program and remotely operate the system such that it runs around-the-clock with little to no operator intervention enabling the operator to focus on the mission at hand.

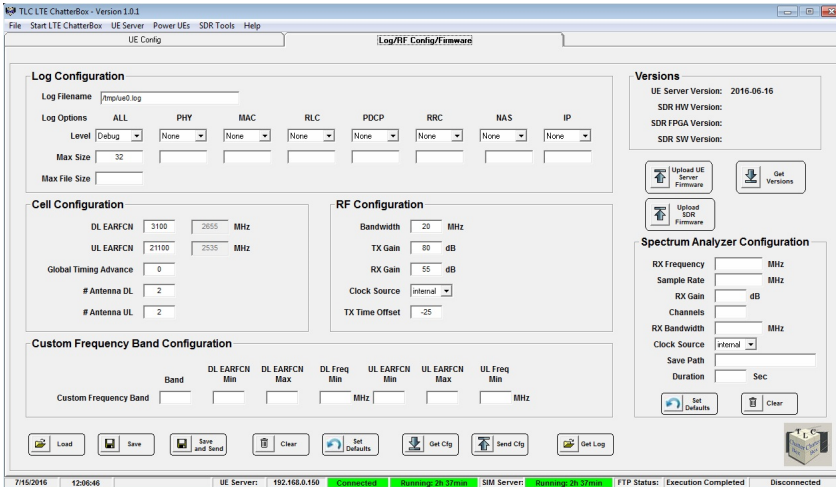
USER-FRIENDLY GRAPHICAL INTERFACE

ChatterBox's intuitive and easy-to-use graphical user interface takes the guesswork out of test management for an operator's cellular network. Users can program and remotely operate the system such that it runs around-the-clock with little to no operator intervention enabling the operator to focus on the mission at hand.

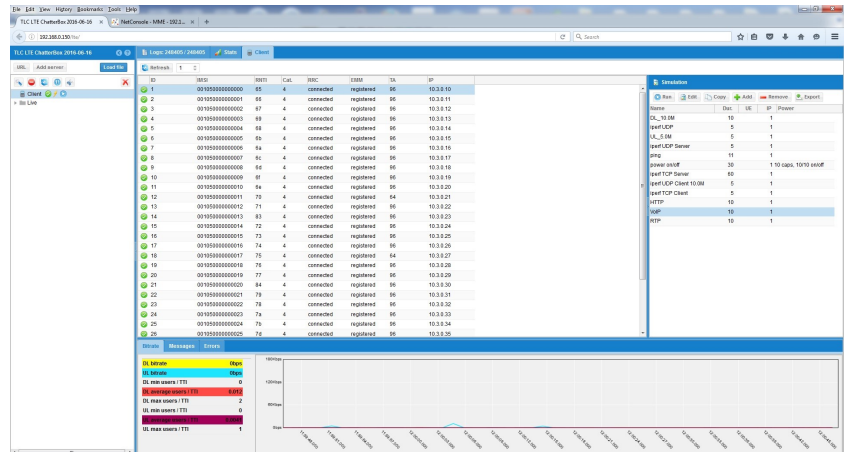
Configure User Equipment (UE)...



Configure Logging, Radio Network, and Firmware...



Monitor status and operation...



ABOUT TLC SOLUTIONS, INC.

TLC Solutions is the leader in providing secure wireless network solutions designed specifically for portability, ease-of-use and tactical communications applications across a variety of standards including 2G, 3G, 4G, 5G, CDMA, and Radio technologies.

As a small business with expertise in systems integration, RF and network engineering, hardware and software development, and custom fabrication, TLC has been producing cutting-edge communications solutions and providing outstanding support to its Government and DoD customers since its inception in 2003.

For more information on any of our products or services please visit us on the Web at:
www.toplevelcom.com

TECHNICAL DATA

Specifications:

4G LTE eNodeB

- 32-512 simultaneous users
- 1.4, 3, 5, 10, 15, 20 MHz bandwidths
- SISO/MIMO
- 3GPP Rel. 9/10 compliant
- Any LTE frequency band (3GPP defined or custom)

Input Power Options

- 110-240 VAC 50/60 Hz
- 19VDC

Temperature

- Operating -0° C to +45C
- Storage -45° C to +85°

Humidity

- Operating 0% to 95%
Non-condensing

Dimensions

- 2RU
- 3.5" H x 19" W x 20" D
- 88.1mm H x 482.6 mm W x 508mm D

Weight

- 30 lbs

Network Interface

- 1 Gbps Ethernet



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