TLC Solutions Inc.
USER FIRST TECHNOLOGY

SMALL CELL FORUM
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Awards 2014

WINNER

Social impact – promoting small cells for
social/ economic/ environmental development

CHATTERBOX 5G
TRAFFIC GENERATOR

FEATURES

Easily configured and operated through a GUI interface.

Supports the following:

- TCP, UDP, RTP (sends RTP packets at constant bi-trate)
- VOIP (sends RTP packets with a statistical voice profile to emulate VOIP)
- Flood (sends burst of UDP packets)
- HTTP
- Can also be run in 4G mode

THE CHALLENGE

Testing and simulation of 5G SA and NSA 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 5G** has been designed to support large scale training of personnel who need to simulate real world communication traffic environments. **ChatterBox 5G** can also be used to stress-test networking equipment by subjecting the network to performance extremes.
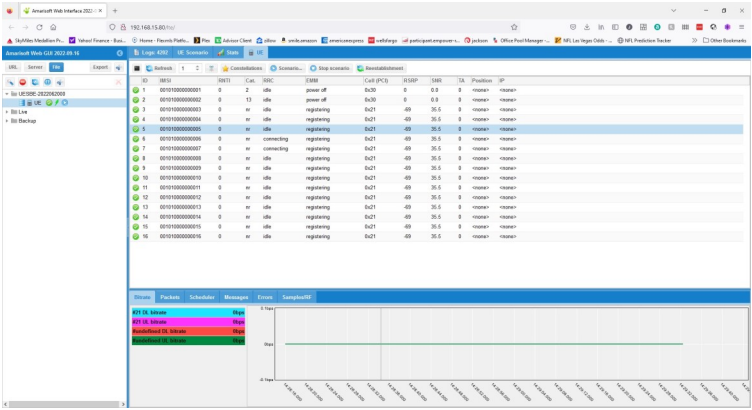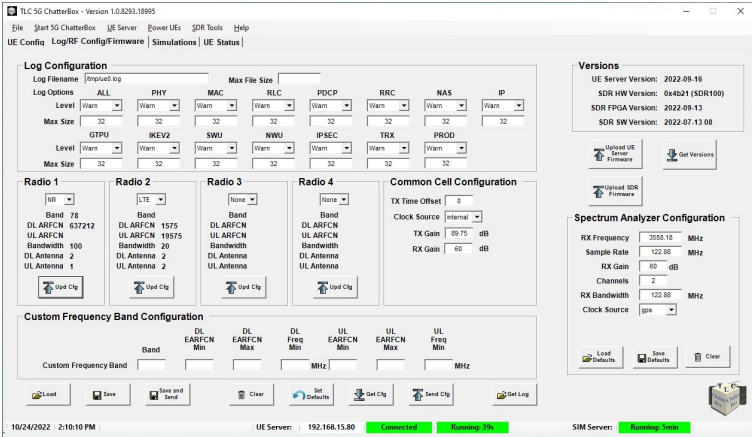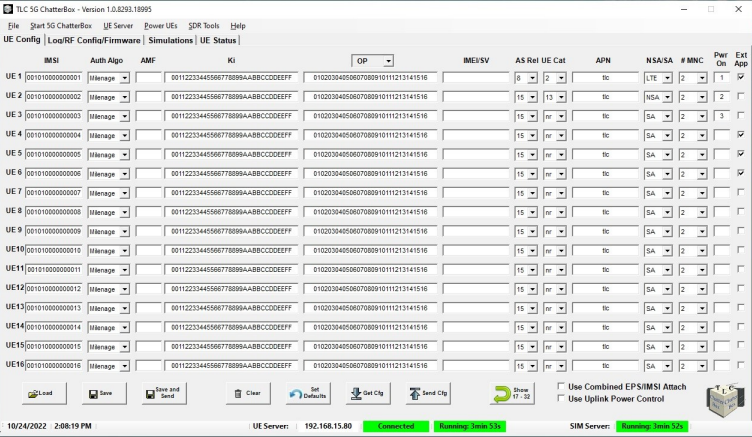
EASE OF USE

ChatterBox 5G has an intuitive and easy-to-use graphical user interface that takes the guesswork and errors out of test management. This system has the additional benefit of being backwards compatible with 4G. 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.

5G

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 Logging, Radio Network, and Firmware.**

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 the Latest 5G systems as well as support for previous 2G, 3G, 4G and CDMA 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 SPECIFICATIONS

5G Mode
- Up to 128 simultaneous users
- Up to 100MHZ bandwidths
- Supports all FDD and TDD sub-6GHZ bands with support of custom frequencies
- Supported modes: NSA and SA
- MIMO: up to MIMO 4x4 in DL
- 2 active cells
- 3GPP Rel. 15 compliant

4G Mode
- Up to 256 simultaneous users
- Supports all FDD and TDD sub-6GHZ bands with support of custom frequencies
- Up to 20Mhz Bandwidth
- MIMO: up to MIMO 4x4 in DL / 2x2 in UL
- 4 cells MIMO 2x2
- 3GPP LTE Rel. 8 support with features up to Rel. 15 compliant

Input Power Options
- 110-240 VAC 50/60 Hz

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

Humidity
- Operating 0% to 95% Non-condensing

Dimensions
- 18.31" H x 9.17" W x20.9 8" D

Weight
- 31 lbs

Network Interface
- 1 Gbps Ethernet

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