

E500T-ATT Test Platform

EMITE E500T
Reverberation
Chamber



Anite PropSim FS8/F8
Channel Emulator

MIMO OTA testing for LTE and LTE-A is now critical to meet carrier requirements and determine the realistic performance of wireless devices. EMITE and Anite have produced a unique Test Platform for MIMO OTA performance and conformance evaluation. Leading operators in the US are moving ahead of slow-pacing standardization bodies, and have set the requirements for their LTE MIMO OTA Test plans, approving the EMITE-Anite E500T-ATT Test Platform.

The E500T-ATT Test Platform is used in combination of a VNA (Anritsu, Rohde & Schwarz or Keysight Technologies) for calibration purposes and a eNodeB from Rohde & Schwarz (CMW500) for LTE signalling.

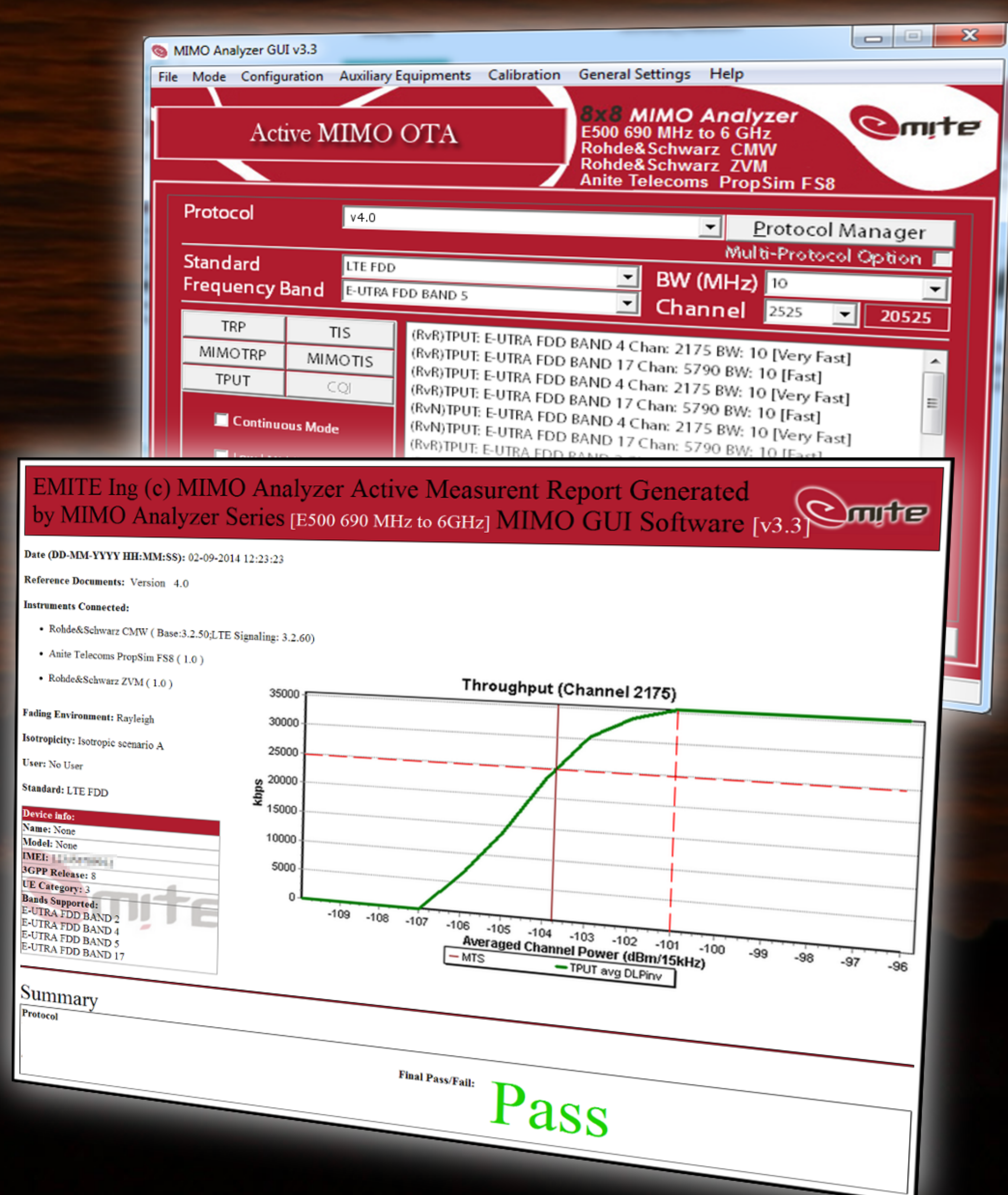
With unheard-of level of automation and reporting, users can calibrate and test with one button, and quickly evaluate the effectiveness of any LTE wireless device for entering leading operators networks. The multicavity mode-stirred source-stirred EMITE E500T Reverberation Chamber provides the unique Over-The-Air (OTA) environment and system Graphic User Interface (GUI) controlling all connected instruments. Anite's FS8/F8 channel emulator provides the complex correlation, delay and noise profiles required to be combined with the OTA reverberation chamber fading environment by leading operators Test Plans for full evaluation of performance.

Main Features:

- 690 – 6000 MHz.
- One-shot calibration.
- One-button testing.
- Turnkey System, no RF reconnections.
- Automated control and reporting of entire Test Plans and Protocols.
- Overnight testing with Smart Attachment algorithms (no human intervention).
- Fast LTE and LTE-A Throughput (TPUT), TRP and TIS testing, including MTS (MIMO Throughput Sensitivity).
- 2x2, 4x4 and 8x8 MIMO OTA.
- Simple saving, plotting and exporting of results.

Available Extensions:

- Passive measurements (correlation, efficiency, capacity, etc.).
- Spurious Emissions measurements.
- LTE-A Carrier Aggregation + MIMO.
- 2G/3G/WLAN Testing.



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