Anritsu
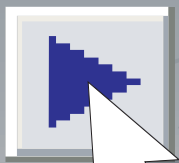
LANTest

WLAN production software for use with the MT8860B

LANTest

Transmit Power Levels

Transmit Spectrum Mask

Transmit Center Frequency Tolerance

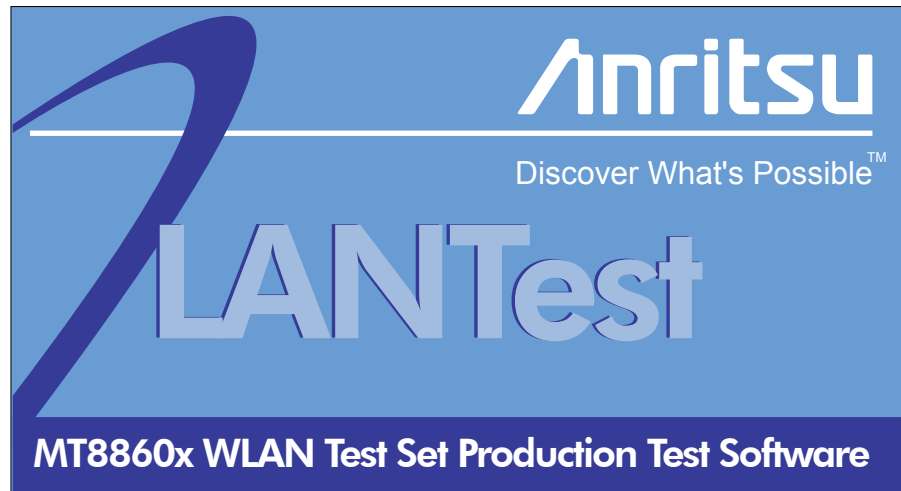Transmit Modulation Accuracy (EVM)

Spectral Flatness

Receiver Sensitivity

Run

Introducing LANTest

IEEE 802.11

LANTest is a PC based software package provided as standard with each MT8860B. LANTest allows the user to predefine a complete test plan of measurements and to run this automatically for both Tx and Rx testing on 802.11b and 802.11g devices.

LANTest is the ideal tool for testing large numbers of devices quickly and easily in either a production or R&D environment.

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Discover What's Possible™

LANTest

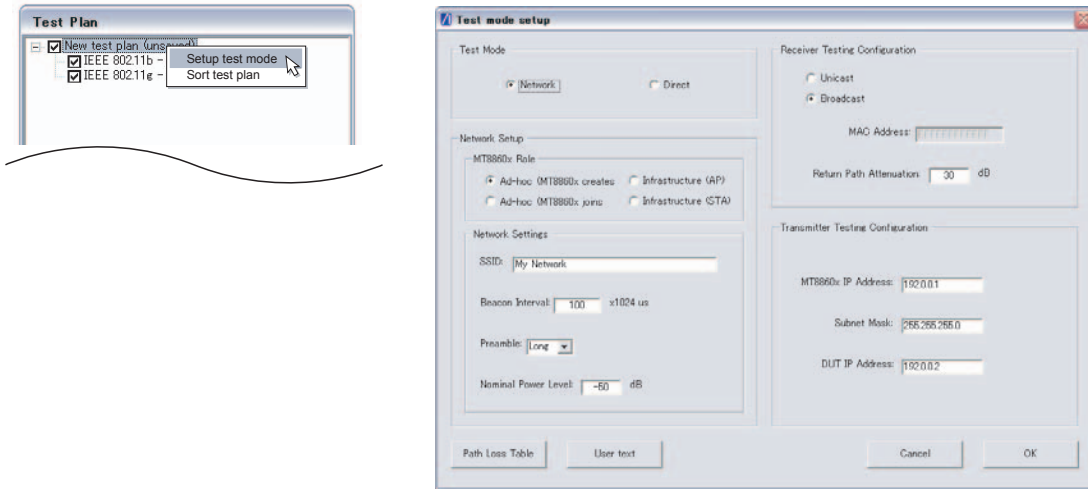**MT8860x WLAN Test Set Production Test Software**

LANTest provides:-

- Familiar and intuitive windows interface enabling creation of test plans with ease, speed, and flexibility.

- Full compatibility with Tx and Rx testing on all 802.11b/g devices.

- Communication with the MT8860B by means of standard GPIB interface.

- One-click operation for selection and execution of required tests.

- Real time display of test status with pass/fail indication.

- Detailed test report printed and archived.

- Database search functionality for viewing test reports that have been automatically archived in Access database.

- Freedom to modify Visual Basic .net source code to match exact requirements.
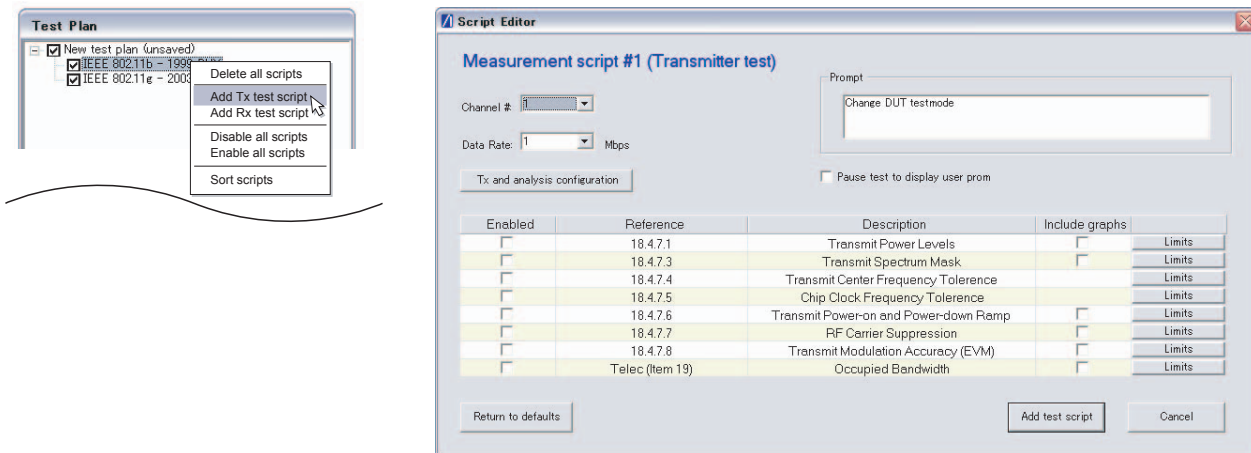
Creating a Test Plan

Test plans can be created in isolation without the need to have the MT8860B connected to the PC. Each test plan consists of two measurement groups; 802.11b and 802.11g. A number of transmitter and receiver measurement scripts can be defined for each group.

Define how the DUT is to be tested.

LANTest allows devices to be tested in either 'Network' or 'Direct' mode. In 'Network' mode, a network connection is established and devices are tested using standard WLAN protocols. In 'Direct' mode a network connection is not required. Devices are controlled using the test mode software utility provided by the chipset vendor. A path loss table can be defined for each test plan to correct for test system cable loss or over the air loss.
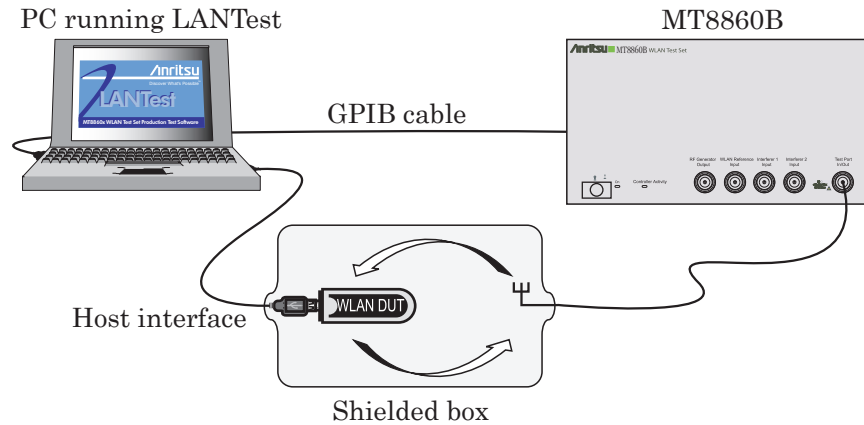
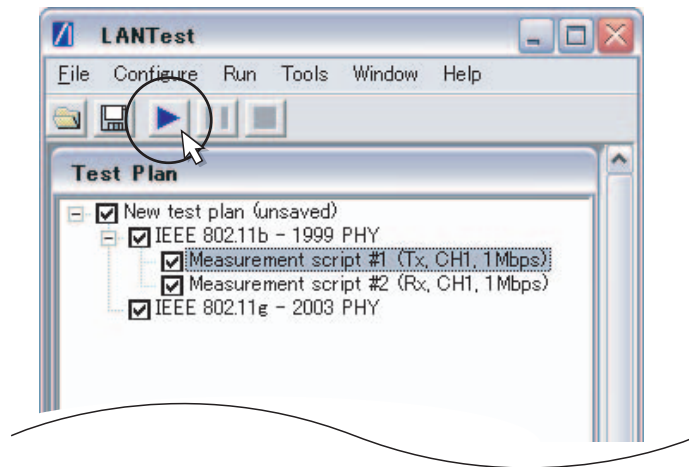Create a Tx or Rx test script for the required WLAN standard.

LANTest allows all combinations of channel number and data rate to be tested using a combination of transmitter and receiver measurement scripts. A channel number and data rate are specified for each measurement script . One or more measurements can be selected, and for each measurement pass/fail limits can be defined. Graphical data can also be requested where applicable.

Executing the Test Plan

Configure the Equipment.

PC running LANTest   MT8860B
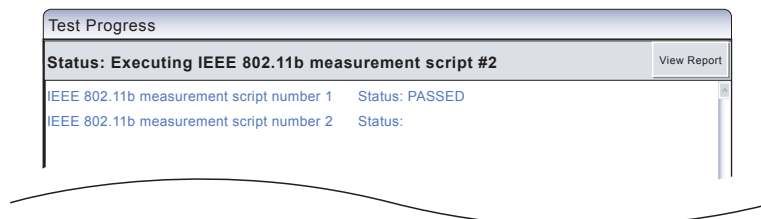
GPIB cable

Host interface

Shielded box

Select the required components of the test plan and click run.

Users can select to execute the entire test plan, a measurement group, or a single measurement script. Simply highlight the required component and click ▶. Test plans created for R&D validation and verification can be easily modified for production applications by turning off measurement scripts.
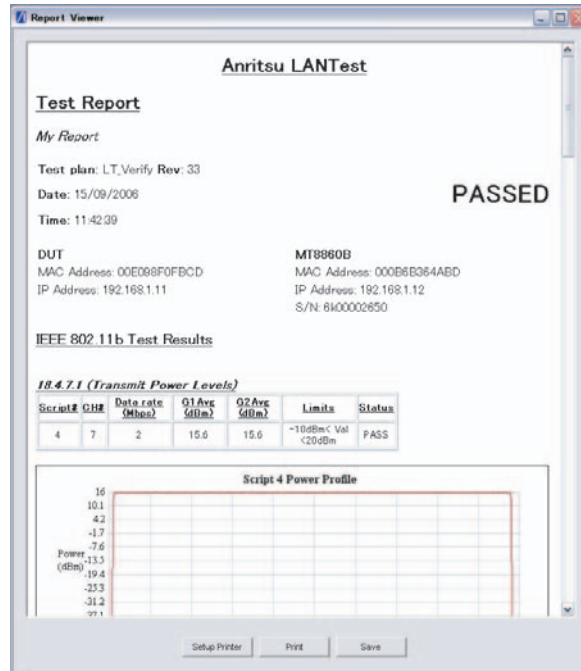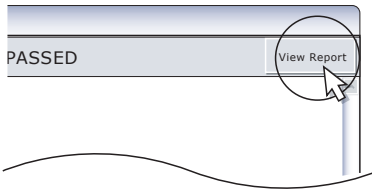
Overall test status displayed in real time.

The overall test status and the status of each individual measurement script is reported in real time as the test plan is executed.
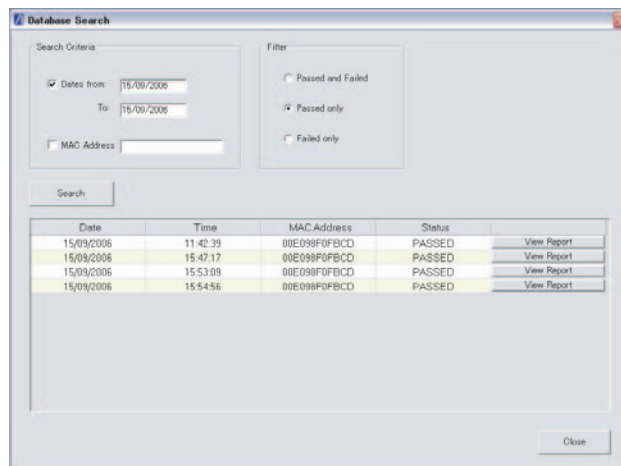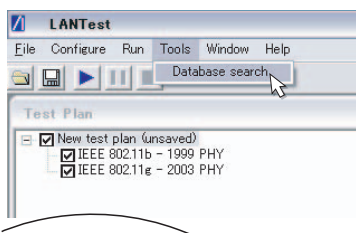
Viewing the Test Results

Click to view detailed test report.

The measurement results can be inspected when the test plan is complete. The test report contains all the measured data, the limits applied, and a pass/fail indication. Reports are automatically written to a database, but can also be printed or saved to an html file.

Search test results archived in Microsoft Access database.

LANTest allows previous test reports to be extracted from the database. A search facility based on date or MAC address is provided, and the reports can be further filtered based on a pass/fail criteria.

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