



AN/ALM-280 Enhanced Automated Special Test Equipment (EASTE)

A ruggedized, fully programmable mobile Radar/Electronic Warfare (R/EW) test system designed to accomplish performance verification of a wide variety of R/EW systems.



Photos courtesy of www.af.mil

Engineered for life

AN/ALM-280 Enhanced Automated Special Test Equipment (EASTE)

The Enhanced Automated Special Test Equipment (EASTE) AN/ALM-280 is a ruggedized, fully programmable mobile Radar/Electronic Warfare (R/EW) test system designed to accomplish performance verification of a wide variety of R/EW systems. It performs this function through the generation of complex RF signals and evaluation of System Under Test (SUT) response. The test set operates in either automatic, semi-automatic or manual modes to provide increased performance measurement efficiency for SUT maintenance and fault isolation.

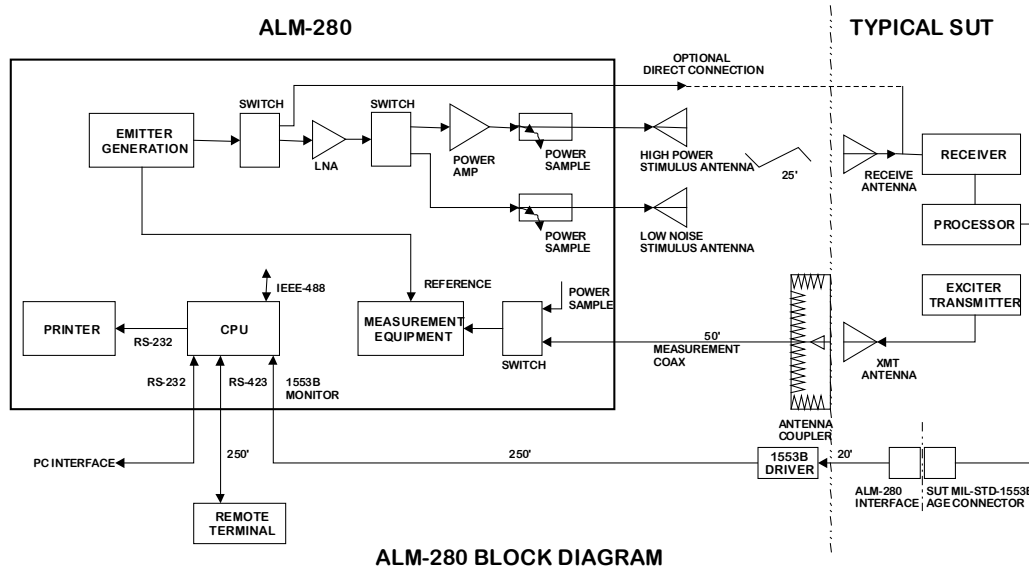
Its versatile hardware and software design provides an excellent tool for developmental testing of new R/EW systems or evaluating upgrades to existing systems. A remote terminal keyboard/display allows a single technician to control test activity and analyze test results from inside the aircraft crew compartment. An additional feature of the AN/ALM-280 is its versatility in allowing the operator to create RF emitters via keyboard input and perform automatic calibration and self-test.

Features

- Organizational maintenance radar electronic warfare test set
- Menu-driven operational programs
- Interactive computer control
- Automatic measurements
- Manual mode
- Complex Radio Frequency (RF) emitter generation
- Remote control terminal
- Automatic test result recording and optional printout
- Built-In-Test (BIT) and calibration routines

Technical Description

- Generation of broadband, RF frequencies over the range of 50 MHz to 18 GHz
- Up to two simultaneous emitters at any frequency
- Leveled RF power output of +40 dBm (CW or pulsed) over full spectrum
- Free space radiated power level of -85 to -25 dBm at 25 feet
- Complex pulse and scan generation
- Octave Band Amplifiers
- Automated generation of radar threat emitters and system response measurement and analysis
- PASS/FAIL indications of test results
- Automatic recording of test results with print or archive capability
- MIL-STD-1553B Controller/Monitor
- System Under Test fault diagnostics



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