Testing Software

Anritsu introduces Cellular Repair Center Application (CRCA) software for use with its MT8802A Radio Communications Analyzer that creates a single test solution for fast, automated testing of TDMA, CDMA, GSM, and AMPS cellular phones. Anritsu has developed the CRCA software to simplify cell phone testing so technicians of any experience can conduct fast and accurate tests. An operator interface makes it easy for technicians to identify the problem associated with the performance of the phone. The technician selects the phone model under test and corresponding service provider, the executes the test. As a result, minimal training is required before the test solution can be implemented.
The CRCA software has a test manager feature that stores designated test sequences for each phone and associated service provider. Once a technician inputs the phone model under test and corresponding service provider, the appropriate test sequence is automatically recalled.
A data file of test results is created and saved in a tab delimited format immediately after a phone is tested. Because it is saved in such a format, data can be easily extracted to run reports and track test results. A temporary file containing details of the test and results is also created and can be viewed from the operator interface.
Used in conjunction with the MT8802A, the CRCA software creates a single test solution that conducts a variety of transmitter and receiver tests based on TDMA, CDMA, and GSM. The MT8802A essentially combines nine instruments into one. In addition to acting as a base-station simulator, the MT8802A also has the measurement capabilities of a digital modulation analyzer covering 700 MHz to 1100 MHz and 1400 MHz to 2300 MHz bands; 3 GHz RF spectrum analyzer; digital modulation signal generator covering 300 kHz to 3 GHz; audio analyzer/generator; analog modulation analyzer; digital modulation analyzer; power meter with built-in thermocouple; and frame/bit error rate tester.

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