Leaflet

Powerful Support for Developing Next-Generation LTE Chipsets and Mobiles

MD8430A
Signalling Tester

Mobile phones are evolving into rich-content multimedia terminals supporting high-speed communications based on the new 3GPP LTE standard. The MD8430A Signalling Tester is an essential base station simulator, for testing LTE chipsets and mobile terminals. It is the perfect test solution for bringing LTE terminals to market as quickly as possible, based on Anritsu's extensive knowledge of modern wireless technologies.

Responsive Support for Latest 3GPP LTE Standard

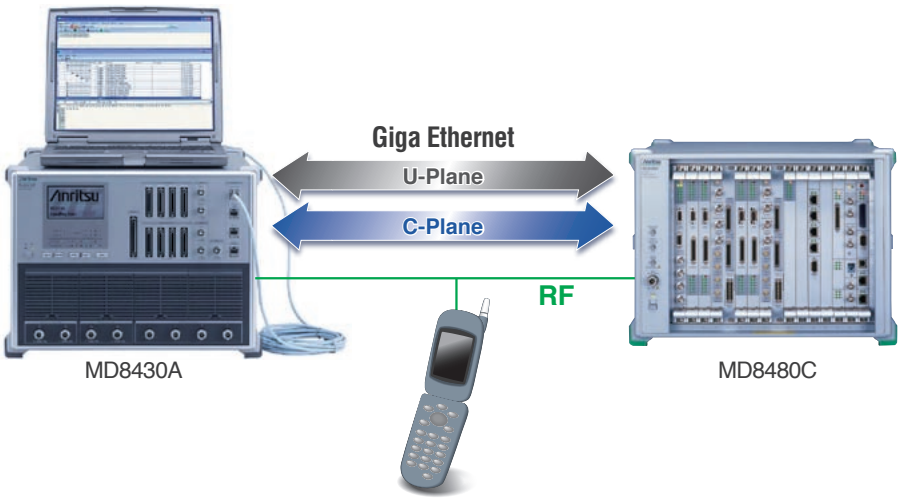
The MD8430A brings flexible and responsive support for the latest 3GPP LTE standard; starting with powerful L1/L2 cache analysis functions, it also supports handover tests with UTRAN/GERAN systems, as well as supporting the latest UE categories.

All-in-one 2x2MIMO System Handover and 100 Mbps (DL) and 50 Mbps (UL)

2x2MIMO system handover tests are supported by one MD8430A unit. End-to-end testing at download speeds of over 100 Mbps and upload speeds of 50 Mbps are already possible in combination with Anritsu's UE simulator. When the MD8430A is used together with Anritsu's Fading Simulator, supporting 2x2MIMO and connected via a dedicated digital interface, the system will offer a low-cost, high-performance, space-saving test solution.

Maximizing MD8480C Hardware Investment with Inter-RAT Handover Tests

The MD8430A may be combined with Anritsu's leading MD8480C W-CDMA Signalling Tester and used for the simulation of both W-CDMA/HSPA/HSPA Evolution and GSM/GPRS/EGPRS base stations, this combination will support LTE-UTRAN/GERAN Inter-RAT handover tests and maximize investment in existing hardware.

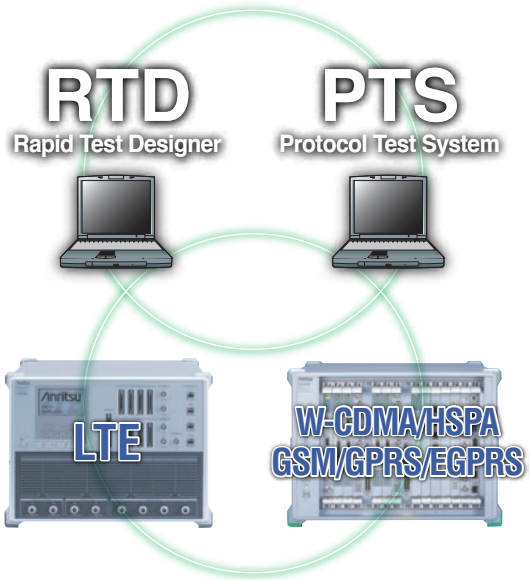


Investment Tailored to Applications Ranging from R&D to Protocol Conformance Tests

The range of models in the lineup provides flexible solutions to meet different customer requirements, ranging from chipset mobile terminal R&D to function, performance and operator acceptance testing, through to protocol conformance testing. Since each of the three models is easily upgraded, the optimized investment can be matched to current requirements and then upgraded whenever needed.

Easy L3 Scenario R&D and Full Range of Analysis Tools

The Protocol Test System (PTS) is a 3GPP-compliant R&D and test-tool environment for creating and executing protocol test in TTCN, while the Rapid Test Designer (RTD) offers an intuitive GUI for managing libraries, and running tests ranging from W-CDMA/GSM terminal function tests to operator IOT tests. Both will support LTE. Together with the MD8430A they are a powerful and flexible protocol test solution based on Anritsu's long experience in 2G and 3G measurement to help customers bring their LTE equipment to market as quickly as possible.



Main Specifications

Tx Signal		Rx Signal	
Max. Level	Main: –40 dBm (Upper setting: –20 dBm) Sub: 0 dBm	Input Level	Main: –30 to +35 dBm Sub: –45 to +20 dBm
Level Accuracy	±1.5 dB Main: –113 to –40 dBm Sub: –113 to 0 dBm (after CAL, at 18° to 28°C)	Level Accuracy	Main: ±3.0 dB Sub: ±3.0 dB (after CAL, at 18° to 28°C)
Frequency	350 to 3000 MHz (100 kHz resolution)	Frequency	350 to 3000 MHz (100 kHz resolution)
Access Method	OFDMA	Access Method	SC-FDMA
Modulation	QPSK, 16QAM, 64QAM	Modulation	QPSK, 16QAM, 64QAM
Modulation Accuracy	±2 % Sub Out: 0 dBm, 18° to 28°C LTE (OFDM, 64QAM, 20 MHz band)		

Ordering Information

Please specify the model/order number, name and quantity when ordering.
The names listed in the chart below are Order Names. The actual name of the item may differ from the Order Name.

Model/Code	Name
	— LTE Function Test Model —
MD8430A	Signalling Tester*
MD8430A-010	LTE Function Test Model (FTM)
MD8430A-060	LTE FDD Option
	— LTE Standard Test Model —
MD8430A	Signalling Tester*
MD8430A-020	LTE Standard Test Model (STM)
MD8430A-060	LTE FDD Option
	— LTE Performance Test Model —
MD8430A	Signalling Tester*
MD8430A-030	LTE Performance Test Model (PTM)
MD8430A-060	LTE FDD Option
	— Software Options —
MX843010A	LTE Control Software

Model/Code	Name	
	— Retrofit Options —	
MD8430A-350	LTE FTM to STM Upgrade	
MD8430A-351	LTE STM to PTM Upgrade	
	— Standard Accessories —	
	CD-ROM (Instruction Manual and Maintenance Software)	1 pc
J1440A	LAN Cable	2 pcs
J1211	Power Code (15A)	1 pc
J0127A	Coaxial Cable, 1.0 m (BNC-P•RG58A/U•BNC-P)	1 pc
J0576B	Coaxial Cable, 1.0 m (N-P•5D-2W•N-P)	2 pc
J1398A	N-SMA Adapter	6 pcs
G0091	Monitor Board	1 pc
J1005	Monitor Cable 80 cm	1 pc
J1459A	Digital IQ Cable	1 pc

*: A PC running either Microsoft Visual C++ 2008 or Visual Studio 2008 is required to use the MD8430A. It must satisfy the following specifications:
Windows XP (SP2) or later OS, Intel Core 2 Duo processor 2 GHz or faster CPU, 2 GB or more RAM, and 1000Base-T network interface.
Express Edition supports either Microsoft Visual C++ 2008 or Visual Studio 2008.

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