



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

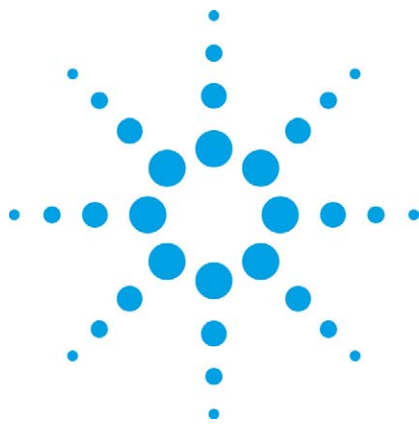
### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

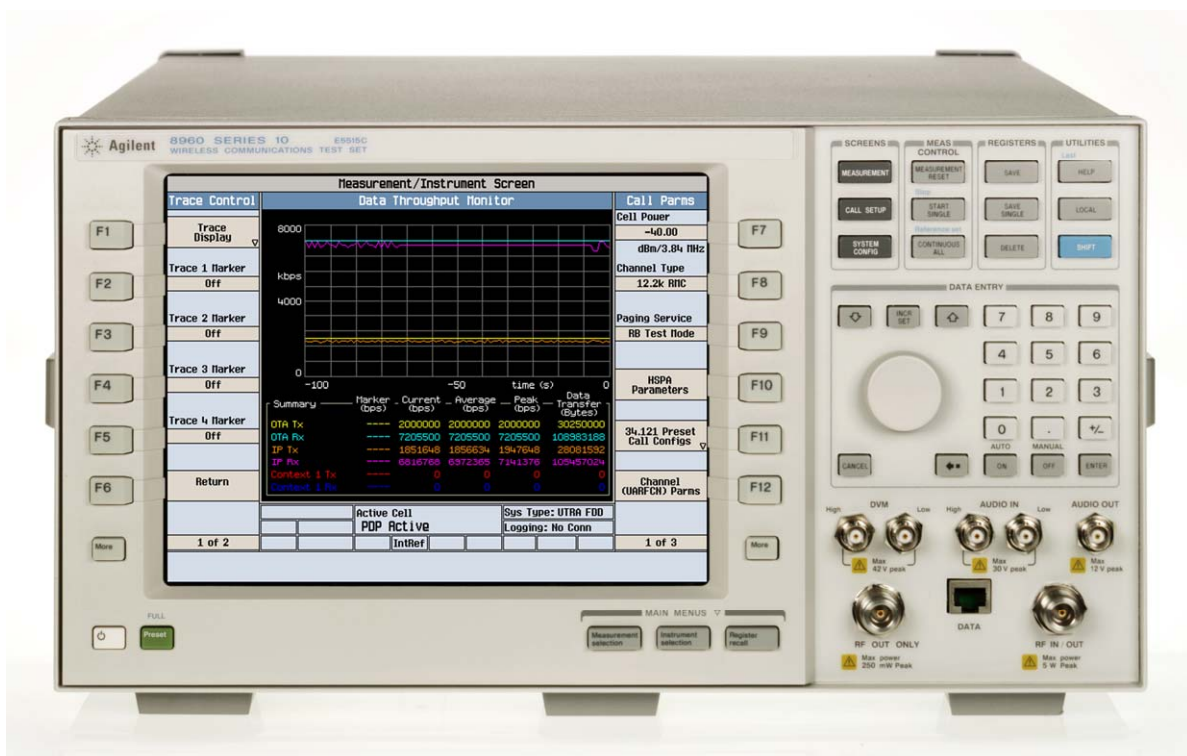
**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)



# Agilent E5515C Wireless Communications Test Set

High performance hardware platform for the 8960 family of mobile device design and manufacturing test solutions

## Technical Overview



The only bench top test set hardware platform with performance for mobile device test across the entire lifecycle – from design through integration/validation, conformance, manufacturing and repair.



**Agilent Technologies**

The high performance E5515C is the hardware platform for the 8960 wireless communications test set family. Combining the E5515C with software from the 8960 family of embedded software applications creates a cellular network emulator for testing mobile device RF, baseband and IP data traffic flows. Testing can be done via call processing or test mode control and provides:

- Industry's most accurate, repeatable standards-compliant RF and baseband measurements
- Stable performance for end-to-end high speed IP data throughput testing
- Industry leading accuracy, reliability and measurement speed

The 8960 with E5515C speeds mobile device development, increases manufacturing throughput and minimizes support costs.

Test performance specifications are documented in the software applications. Refer to [www.agilent.com/find/8960](http://www.agilent.com/find/8960) for available software applications.

### **One test set for design, integration/validation, conformance, and manufacturing test**

Using one test set across the design cycle speeds design and manufacturing by providing faster and simpler debug and fix cycles, easier problem replication across groups, higher asset utilization, and reduced support requirements.

The 8960 hardware platform consists of the E5515C base-model and three hardware functionality options:

- Option 002 – Second RF source for GSM, GPRS and EGPRS technologies.
- Option 003 – Flexible CDMA base station emulator for today's CDMA-based technologies such as cdma2000, 1xEV-DO, W-CDMA, HSPA and HSPA+. Also needed for some GSM, GPRS and EGPRS features.
- Option 004 – Digital Bus option for fading test solutions with Agilent's N5115/5101 Baseband Studio applications

# Technical Specifications

These specifications apply to an E5515C mainframe for serial number US40410101, GB4041010, MY46010000 or higher.

Specifications describe the test set's warranted performance and are valid for the unit's operation within the stated environmental range unless otherwise noted. All specifications are valid after a 30-minute warm-up period of continuous operation.

Supplemental characteristics are intended to provide typical, but non-warranted, performance parameters that may be useful in applying the instrument. These characteristics are shown in italics and labeled as "typical", or "supplemental." All units shipped from the factory meet these typical numbers at 25 °C ambient temperature without including measurement uncertainty.

These are general specifications that apply to an E5515C mainframe over the 25 °C ±5 °C ambient temperature range. Specific test and lab application specifications can be found in the library on the 8960 website: [www.agilent.com/find/8960](http://www.agilent.com/find/8960)

## Remote programming

GPIB	IEEE Standard 488.2
GPIB help	pressing the front panel Help key and then any other key will cause the test set to display the GPIB syntax for that command at the bottom of the front panel display; pressing the Help key again exits this mode of operation
Remote front panel lockout	allows remote user to disable the front panel display to improve GPIB measurement speed
Implemented functions	T6, TE0, L4, LE0, SH1, AH1, RL1, SR1, PP0, DC1, DT0, C0, and E2

## General specifications

Dimensions (H x W x D)	8.75 x 16.75 x 24.63 inches (222 x 426 x 625 mm), 7 rack spaces high
Weight	66 lbs (30 kg)
Display	10.5 inches (26.7 cm), active matrix, color, liquid crystal
LAN (local area network) port (for firmware upgrades and protocol logging only)	RJ-45 connector, 10 base T Ethernet with TCP/IP support
Operating temperature	0 to +55 °C
Storage temperature	-20 to +70 °C
Power	100 to 240 Vac, 50 to 60 Hz, 550 VA maximum
Calibration interval	two years
EMI	conducted and radiated interference meets CISPR-11
<i>Radiated leakage due to RF generator</i>	<i>typically &lt; 1 μV induced in a resonant dipole antenna one inch from any surface except the underside and rear panel at set RF generator output frequency and output level of -40 dBm</i>
<i>Spurious leakage</i>	<i>typically &lt; 5 μV induced in a resonant dipole antenna one inch from any surface on the front half of all sides of the instrument at frequencies other than the RF generator output frequency and output level of -40 dBm with no cable connected to the rear-panel LAN port</i>
<i>Power consumption</i>	<i>typically 400 to 450 W continuous</i>



### Agilent Email Updates

[www.agilent.com/find/emailupdates](http://www.agilent.com/find/emailupdates)

Get the latest information on the products and applications you select.



### Agilent Direct

[www.agilent.com/find/agilentdirect](http://www.agilent.com/find/agilentdirect)

Quickly choose and use your test equipment solutions with confidence.



[www.agilent.com/find/open](http://www.agilent.com/find/open)

Agilent open simplifies the process of connecting and programming test systems to help engineers design, validate and manufacture electronic products. Agilent offers open connectivity for a broad range of system-ready instruments, open industry software, PC-standard I/O and global support, which are combined to more easily integrate test system development.

### Remove all doubt

Our repair and calibration services will get your equipment back to you, performing like new, when promised. You will get full value out of your Agilent equipment throughout its lifetime. Your equipment will be serviced by Agilent trained technicians using the latest factory calibration procedures, automated diagnostics and genuine parts. You will always have the utmost confidence in your measurements.

Agilent offers a wide range of additional expert test and measurement services for your equipment, including initial start-up assistance, onsite education and training, as well as design, system integration, and project management.

For more information on repair and calibration services, go to:

[www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

[www.agilent.com](http://www.agilent.com)

[www.agilent.com/find/8960](http://www.agilent.com/find/8960)

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

[www.agilent.com/find/contactus](http://www.agilent.com/find/contactus)

#### Americas

Canada	(877) 894-4414
Latin America	305 269 7500
United States	(800) 829-4444

#### Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Thailand	1 800 226 008

#### Europe & Middle East

Austria	01 36027 71571
Belgium	32 (0) 2 404 93 40
Denmark	45 70 13 15 15
Finland	358 (0) 10 855 2100
France	0825 010 700*
	*0.125 €/minute
Germany	07031 464 6333
Ireland	1890 924 204
Israel	972-3-9288-504/544
Italy	39 02 92 60 8484
Netherlands	31 (0) 20 547 2111
Spain	34 (91) 631 3300
Sweden	0200-88 22 55
Switzerland	0800 80 53 53
United Kingdom	44 (0) 118 9276201

Other European Countries:

[www.agilent.com/find/contactus](http://www.agilent.com/find/contactus)

Revised: October 1, 2008

Product specification and descriptions in this document subject to change without notice.

© Agilent Technologies, Inc. 2008  
Printed in USA, November 12, 2008  
5990-3238EN



**Agilent Technologies**



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)