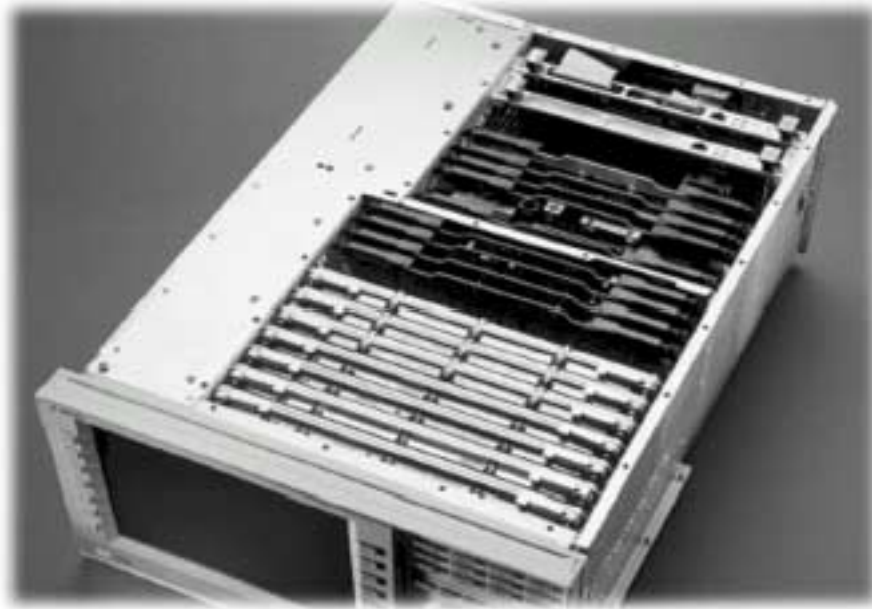


# Installation Note

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## Agilent Technologies 8960 Wireless Communication Test Set Installing the ADC Board

Upgrade Kit Part Number: E5515BU/CU-505



### Notice:

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E5515-90290



**Agilent Technologies**

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**Agilent Technologies 8960 Wireless Communication Test Set  
Upgrade for the ADC Board  
Kit Part Number: E5515BU/CU-505**

<b>Product Affected:</b> .....	E5515B / E5515C
<b>Serial Numbers:</b> .....	E5515B <GB4604; E5515C <GB4605
<b>OR Required option:</b> .....	Option 003
<b>Replaces Board:</b> .....	ADC Board
<b>Applications Supported:</b> .....	All
<b>To Be Performed By:</b> .....	(X) Agilent Technologies Service Center (X) Personnel Qualified by Agilent Technologies (X) Customer
<b>Estimated Installation Time:</b> .....	2.0 hours
<b>Estimated Verification Time:</b> .....	0.5 hours

***Introduction***

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***NOTE:*** This upgrade kit requires new versions of compatible applications.

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Installation includes the following major steps:

1. Install newer versions of applications.
2. Remove incompatible applications.
3. Disassembly
  - a. Remove the instrument covers.
  - b. Remove the old board.
4. Assembly
  - a. Remove and Replace Daughter Boards
  - b. Install new Board.
5. Replace covers.

***Installation Kit Parts List***

Item	Qty	Description
1	1	ADC Board

***Tools Required***

- TORX T-20 driver

***Safety Considerations***

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**WARNING** Before you disassemble the test set, turn the power switch off and unplug the power cord. Failure to unplug the test set can result in personal injury.

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**CAUTION** Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation.

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### ***Install Newer Versions of Existing Applications:***

1. Upgrade all existing compatible applications to the latest revision (see Table 1).
2. The test set must be connected to the PC by a cross-over cable via the test set's LAN port. The LAN speed needs to be a 10MB connection.
  - a. Run the Agilent 8960 File Utility
  - b. Select the Direct Connection (Single test set) button.
  - c. Select the Test Application tab.
  - d. Highlight the old revision(s) of application(s) and select the Delete From test set button. All licenses should remain on the instrument. Removing an application does not remove the license for that application.
3. Make one of the new application versions active, so after installing the hardware the instrument will boot into a compatible application.
4. Follow the Firmware installation instructions that come with the Applications.

### ***Remove Incompatible Applications:***

1. Remove all non-compatible applications from the test set. Removing older application revisions prevents improper operation of the test set.

E1960A	GSM	NOT COMPATIBLE
E1961A	AMPS/136	A.11.xx or greater
E1962B	CDMA 2000 TA	B.10.xx or greater
E1963A	W-CDMA TA	A.08.xx or greater
E1964A	GPRS TA	NOT COMPATIBLE
E1966A	1xEV-DO TA	A.05.xx or greater
E1968A	GSM/GPRS/EGPRS TA	A.06.xx or greater
E1985A	GSM/GPRS_AMPS/136_W-CDMA	NOT COMPATIBLE
E1985B	GSM/GPRS_AMPS/136_W-CDMA	NOT COMPATIBLE
E1985C	GSM/GPRS_CDMA2000_AMPS/136	NOT COMPATIBLE
E1985E	CDMA2000_1xEV-DO	NOT COMPATIBLE
E1987A	Fast Switch Test App	A.03.xx or greater
E6590A	GSM/GPRS RF Modem	A.04.xx or greater
E6701A	GPRS Lab App	NOT COMPATIBLE
E6701B	GSM/GPRS Lab App B	NOT COMPATIBLE
E6701C	GSM/GPRS Lab App C	NOT COMPATIBLE
E6701D	GSM/GPRS Lab App D	D.03.xx or greater
E6702A	CDMA 2000 Lab App A	NOT COMPATIBLE
E6702B	CDMA 2000 Lab App B	B.03.xx or greater
E6703A	W-CDMA Lab App A	NOT COMPATIBLE
E6703B	W-CDMA Lab App B	NOT COMPATIBLE
E6703C	W-CDMA Lab App C	C.03.xx or greater
E6766A	1xEV-DO Lab App	A.02.xx or greater
E6785A	GSM/GPRS_W-CDMA LA A	NOT COMPATIBLE
E6785B	GSM/GPRS_W-CDMA LA B	NOT COMPATIBLE
E6785C	GSM/GPRS_W-CDMA LA C	C.03.xx or greater

**Table 1**

## ***Disassembly:***

### **Remove outer cover and top cover for the 8960:**

1. Remove handles and rear bumpers.
2. Remove the screws on the rear panel holding outer cover.
3. Slide outer cover off.
4. Remove the 26 screws holding the top cover on and remove the cover.

### **Remove the old board:**

1. Remove the ADC Assembly. The ADC is the first board in the digital section. Pull the board straight up using the 2 black cam-outs on the top of the assembly.
2. Disconnect the yellow cable from the board.

## ***Assembly:***

### **Install Board**

1. Remove the two daughter boards from the old ADC Board. This requires a TORX-10 to remove the screws.
2. Install the two daughter boards to the new ADC Board.
3. Connect the yellow cable to the ADC board.
4. Install the ADC Assembly into J29- J31 slots on the Digital Motherboard.

### ***Reboot the instrument:***

1. Turn the instrument on. The instrument should boot into the compatible application last upgraded.

### ***Replace covers:***

1. Replace the top cover and secure it with the 26 screws.
2. Slide the outer (cover) on.
3. Replace the screws on the rear panel.
4. Attach the rear bumpers and handles.

**Questions and concerns contact Agilent Technologies Support:**

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