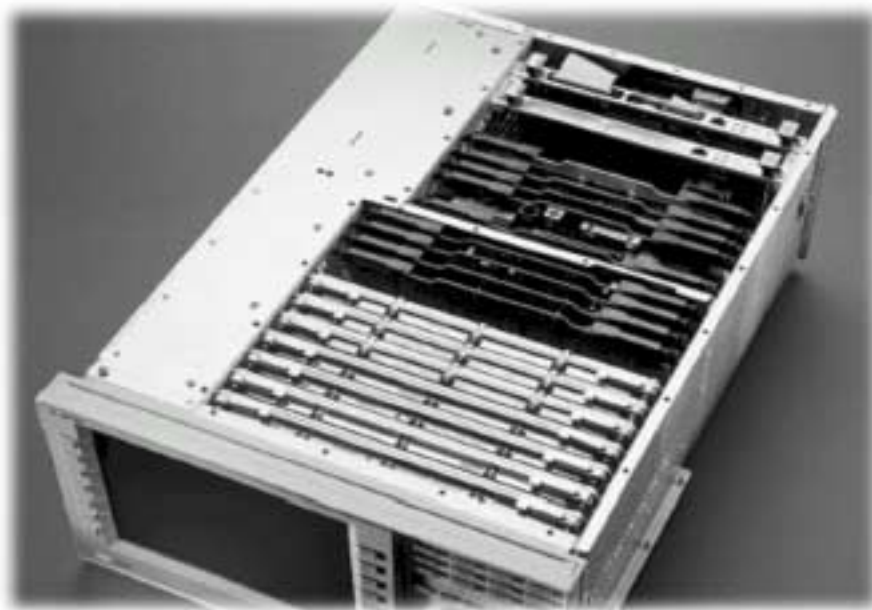


Installation Note

**Agilent Technologies 8960 Wireless Communication Test Set
Add Fast Tune Capable Step Attenuator to the E5515B/C Kit
Part Number: E5515BU-501 and E5515CU-501**



Notice:

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E5515-90307



Agilent Technologies

**Agilent Technologies 8960 Wireless Communication Test Set
Add Fast Tune capable Step Attenuator to the E5515B/C Kit
Part Number: E5515BU-501 and E5515CU-501**

Products Affected:	E5515B and E5515C
Serial Numbers:	E5515B < GB46120168 E5515C < GB46110525
Options Required:	NA
Applications Supported:	All
To Be Performed By:	(X) Agilent Technologies Service Center (X) Personnel Qualified by Agilent Technologies () Customer
Estimated Installation Time:	2.0 hours
Estimated Verification Time:	0.5 hours

NOTE: *This Step Attenuator is compatible with older revisions of firmware. However, the Fast Device Tune capability is only available in newer versions. Check release notes for feature compatibility. These instructions are the minimum required steps to perform the upgrade.*

Installation includes the following major steps:

1. Disassembly
 - a. Remove the covers from the test set.
 - b. Disconnect the Attenuator for Source 2 (if applicable)
 - c. Remove the Attenuator for Source 1.
2. Assembly
 - a. Install new Attenuator for Source 1.
 - b. Re-install the Attenuator for Source 2.
 - c. Install option label.
3. Replace covers.
4. Remove last non-compatible Application.
5. Perform Source Calibration.

Installation Kit Parts List

Item	Qty	Description
1	1	Label
2	1	Step Attenuator
3	1	Installation Instructions (this document)

Label should have **501** printed on it.

Tools Required

- TORX T-15 and T-20 drivers
- 5/16 torque wrench set to 9 in. lbs.
- PC with LAN capabilities

Safety Considerations

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.

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

Disassembly:

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 19 screws holding the bottom cover on and remove the cover.
5. Remove the old Attenuator. Refer to the *Replaceable Parts List (E5515A/B/C/T)* in the *Troubleshooting and Repair* section of the 8960 Assembly Level Repair area at: www.agilent.com/find/8960toolbox for module location.

Assembly:

1. Install the new Source 1 Attenuator from the kit.
2. Re-install the Source 2 Attenuator.
3. Tighten the cables with a 5/16" wrench set to 9 in. lbs.
4. Install the option label, 7121-7884, on the back of the test set.
 - a) Write **501** on the label if blank.
 - b) Don't cover up the old option label if the options on the old label are not also on the new label.
5. Replace the bottom cover and secure it with the 19 screws.
6. Install the outer cover.
7. Replace the outer cover screws on the Rear Panel.
8. Attach the rear bumpers and handles.

Perform Source Calibration

When any of the source components are replaced a Source Calibration must be performed.

1. Start RF Path Maintenance. The 8960 RF Path Maintenance program is available at: www.agilent.com/find/8960toolbox.
2. From the menu, select the check box indicating that you replaced Attenuator 1.
3. Select Calibration not Verification.
4. Store the new correction factors when the calibration is complete.

Questions and concerns: contact Agilent Technologies Support:

Phone: (800) 827-3848 (U.S. & Canada)
(509) 921-3848 (International)
Fax: (509) 921-3514
E-mail: spokane_service@agilent.com
Web: www.agilent.com/find/8960support