

MODIFICATION RECOMMENDED

E5515C-09C

S E R V I C E

N O T E

Supersedes:
E5515C-09B

E5515C Wireless Communications Test Set (8960 Series)

Serial Numbers: GB45360101 / GB47320244

Failure to Power Up or Audio Analyzer/Source Failures Require Replacement of Audio Assembly Due to Defective Capacitors

Parts Required:

| P/N | Description | Qty. |
|-------------|---------------------|------|
| E5515-61802 | Audio Assembly, New | 1 |

ADMINISTRATIVE INFORMATION

| | | | |
|--|--|--|---|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | XX ON SPECIFIED FAILURE [] AGREEABLE TIME | STANDARDS LABOR: 1.0 Hours | |
| LOCATION CATEGORY: | [] CUSTOMER INSTALLABLE XX ON-SITE XX SERVICE CENTER [] CHANNEL PARTNER | SERVICE INVENTORY: XX RETURN [] SCRAP XX SEE TEXT | USED PARTS: XX RETURN [] SCRAP XX SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE NO CHARGE AVAILABLE UNTIL: 01 FEBRUARY 2009 | | |
| AUTHOR: SW | PRODUCT LINE: PL13 | | |
| ADDITIONAL INFORMATION: The old-style design is no longer required for failure analysis (P/N E5515-60402) -- do not return the old-style design. If a new-style design fails, please return this module to the Asia Manufacturing Center in Malaysia for analysis. See below for shipping information. | | | |

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Situation:

Defective power supply bypass capacitors on the Audio assembly can cause the Test Set to fail to power-up correctly, shut down during normal operation, or cause audio analyzer or source failures. These defective parts can cause one or more of the power supply voltages (typically the $\pm 15\text{Vdc}$) to crowbar but will not damage the power supply. This failure mode will result in no display and resetting of the power supply which will sound like relays cycling approximately once per second. Also, the LED status indicators on several assemblies (ROM Baseband or Timing Ref, for example) will cycle on/off at this same rate. The new design Audio assembly has eliminated this failure mode. These were introduced in E5515C's starting with S/N GB47350101 (Audio assembly P/N E5515-60502).

Solution/Action:

If the Test Set will not power up, has boot-up failures, or exhibits audio analyzer or source failures, replace the Audio Assembly using the repair kit noted. The best method of troubleshooting is to remove the Audio assembly and reboot the Test Set. If the Audio assembly is defective, the Test Set will power up normally but will display an error message, "Failure: No measurements or settings can be made", indicating that the Audio assembly has not been recognized during boot-up. After replacement verify that the Test Set operates normally – a commercial re-calibration is not required.

The old-design Audio assembly is no longer required for further failure analysis (E5515-60402). Please do not return these defective modules – scrap them locally.

HOWEVER, if a new-design Audio assembly fails (P/N E5515-60502), please return this assembly to the Asia Manufacturing Center in Malaysia using the following address:

Agilent Technologies Microwave Products (M) Sdn Bhd
Test & Measurement Organization-F03
Bayan Lepas Free Industrial Zone
11900 Penang
Malaysia

Attn : Choo, Wen-Ling
Tel : 60 4 6802313