

MODIFICATION RECOMMENDED

E5515B-12A

S E R V I C E

N O T E

Supersedes:
E5515B-12

E5515B Wireless Communications Test Set (8960 Series)

Serial Numbers: GB45370101 / GB47330118

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

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

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

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	X IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME	STANDARDS: LABOR: 1.0 Hour	
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	SERVICE INVENTORY: X RETURN X SCRAP X SEE TEXT	USED PARTS: X RETURN X SCRAP X SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 01 FEB 2009	
AUTHOR: SW PRODUCT LINE: 13			
ADDITIONAL INFORMATION: Old-style design no longer required for failure analysis (P/N E5515-60353) – do not return to SQF.			

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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 E5515B's starting with S/N GB47360101 (Audio assembly P/N E5515-60553).

Solution/Action:

If the Test Set will not power up, has bootup 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 -- re-calibration is not required. The old-design Audio assembly is no longer required for further failure analysis. Return only defective new-design Audio assemblies from E5515B's with P/N E5515-60553 to South Queensferry using the following address:

Agilent Technologies (UK) Ltd
Attention: PL13 Field Returns
South Queensferry
West Lothian EH30 9TG
United Kingdom