

**E5515C-09**

**S E R V I C E N O T E**

Supersedes:  
NONE

**E5515C Wireless Communications Test Set (8960 Series)**

**Serial Numbers: GB45360101/GB99999999**

**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:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input checked="" type="checkbox"/> IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME	STANDARDS:	LABOR: 1.0 Hour
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: AS/LL		AGILENT RESPONSIBLE UNTIL: 01 FEB 2009	
PRODUCT LINE: 13			
ADDITIONAL INFORMATION: RETURN FAILED AUDIO ASSEMBLIES 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.

**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 bootup. After replacement verify that the Test Set operates normally. Re-calibration is not required. Return the defective Audio assemblies to South Queensferry using the following address:

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