

MODIFICATION RECOMMENDED

E5515B-07D

S E R V I C E

N O T E

Supersedes:
E5515B-07C

E5515B Wireless Communications Test Set (8960 Series)

Serial Numbers: US000000000/US40309999, GB000000000/GB44209999

Mobile Phone Protocol Failures or Dropped Calls Require Replacement of the Demod Down Converter (DDC)

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E5515-69828	Demod Down Converter (Refurbished)	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☒ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR: 1.0 Hour	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☒ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☒ RETURN SCRAP SEE TEXT	USED PARTS: ☒ RETURN SCRAP SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 1 SEP 2008	
AUTHOR: SW PRODUCT LINE: 13			
ADDITIONAL INFORMATION:			

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Situation:

The Demod Down Converter (DDC) may require replacement to resolve mobile phone protocol failures during normal test set operation. Common failure symptoms include inability to establish calls, dropped calls or excessive BER. Performance is degraded by elevated operating temperatures such as those found in equipment racks.

For the E1960A TA (Test Application) the problem will be noticed only in the 900 MHz band because the defective divider chip is switched out in the 1800/1900 MHz band. The DDC is one of two receivers within the measurement subsystem. It is used along with the ADC Demod Sampler, DSP, and Protocol subsystems to establish and maintain the link between the test set and mobile phone during a call.

Solution/Action:

If the test set fails to connect correctly to the mobile phone, replace the Demod Down Converter using repair kit E5515-69828. Verify that the test set operates normally and establishes a link (connection) to the mobile phone. Re-calibration is not required.