

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E5515T-04

S E R V I C E N O T E

Supersedes:
NONE

E5515T Wireless Communications Test Set (8960 Series)

Serial Numbers: Refer to Appendix 1 for specific instrument (and board) serial numbers

Lockup During Power-up Requires Replacement of Protocol Processor

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
E5515-61850	Protocol Processor Repair Kit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:		IMMEDIATELY X ON SPECIFIED FAILURE X AGREEABLE TIME	
STANDARDS:		LABOR: 1.0 Hour	
LOCATION CATEGORY:		CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	
SERVICE INVENTORY:		X RETURN SCRAP SEE TEXT	
USED PARTS:		X RETURN SCRAP SEE TEXT	
AVAILABILITY:		PRODUCT'S SUPPORT LIFE	
AGILENT RESPONSIBLE UNTIL:		1 MAY 2005	
AUTHOR: AS PRODUCT LINE: 13			
ADDITIONAL INFORMATION: Duplicate Service Notes E5515B-05 and E5515C-01			

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Situation:

The Protocol Processor (Agilent P/N E5515-60359) may cause the test set to lockup during the protocol boot initialization portion of the power-up process or during normal operation. The test set may also restart, depending on the TA (Test Application) version being used. A manufacturing defect caused the socket for the Boot ROM (XU27) to detach from the PC board. An example of a defective board is shown in Figure 1.

The Protocol Processor establishes and maintains the radio link between the test set and mobile station (phone-under-test). It generates forward channel data (for transmission to the mobile via the RF source) and decodes reverse channel protocol streams (for measurement analysis).

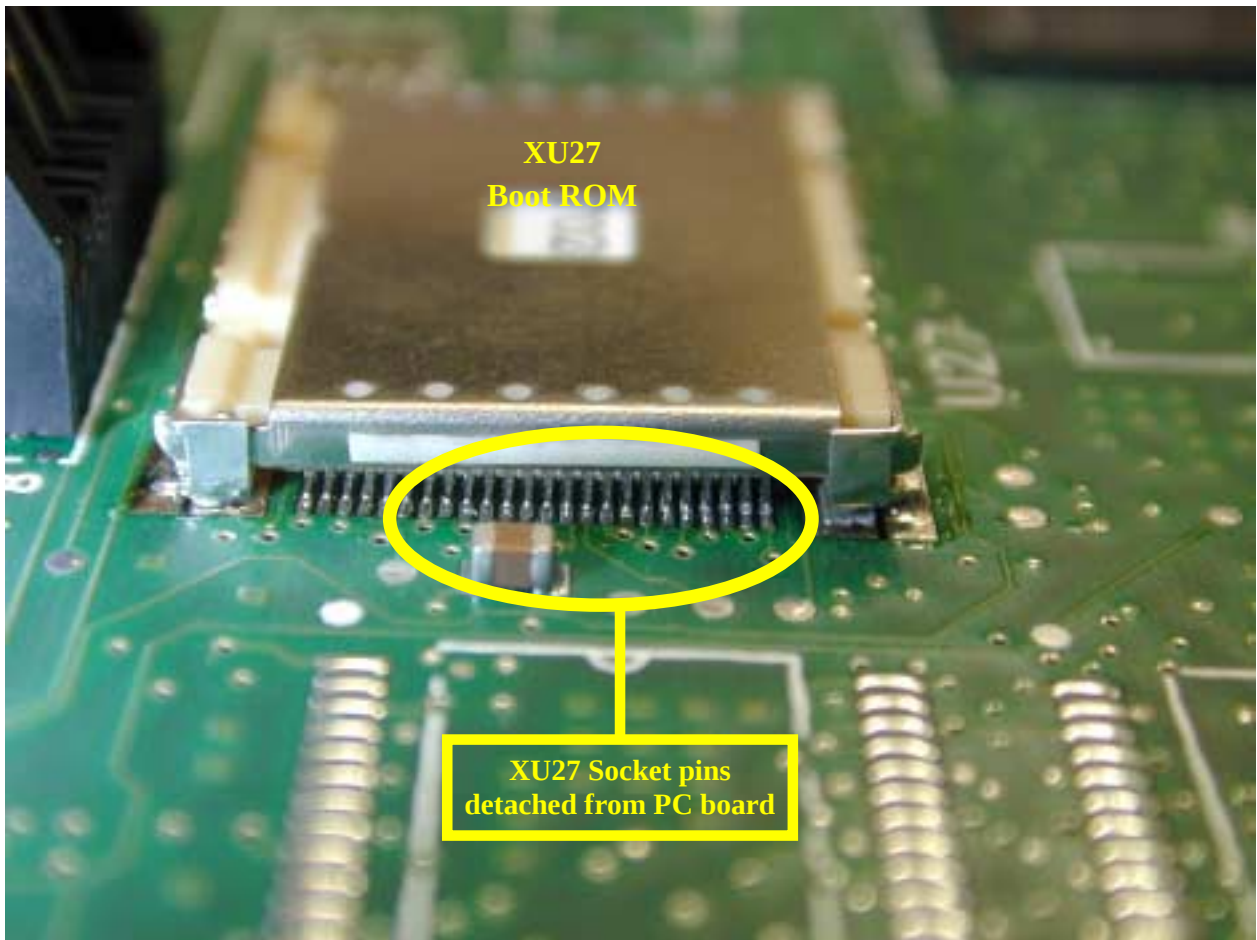


Figure 1

Solution/Action:

If the instrument fails to power-up correctly or locks up during normal operation, verify that the original Protocol Processor is installed in the test set (refer to Appendix 1 for specific instrument and board serial numbers). This can be determined by the following methods:

- Test set CSO (service) history.
- Visual inspection of the board's label (see Figure 2).
- Run iconfig (instrument configuration) via LAN:
 - o Connect the test set to a LAN (which is also used for TA upgrades).
 - o On a PC connected to the same LAN, open an Internet browser window and go to "http://xxx.xxx.xxx.xxx/iconfig", where xxx.xxx.xxx.xxx is the test set's IP address.
 - o This will return the instrument configuration data. Verify the Protocol Processor's part number and serial number.

NOTE: *Early revisions of some TAs may not return data on the three processors (Host, Protocol and DSP) within the test set. In this case one of the other methods should be used (visual inspection or service history).*

Replace the Protocol Processor using Repair Kit E5515-61850 and verify that the test set powers-up correctly.

Label inspection: Figure 2 shows a label on board part number E5515-60359 with board serial number 200205-00550, which corresponds to year 2002, 5th week, serial number 00550.

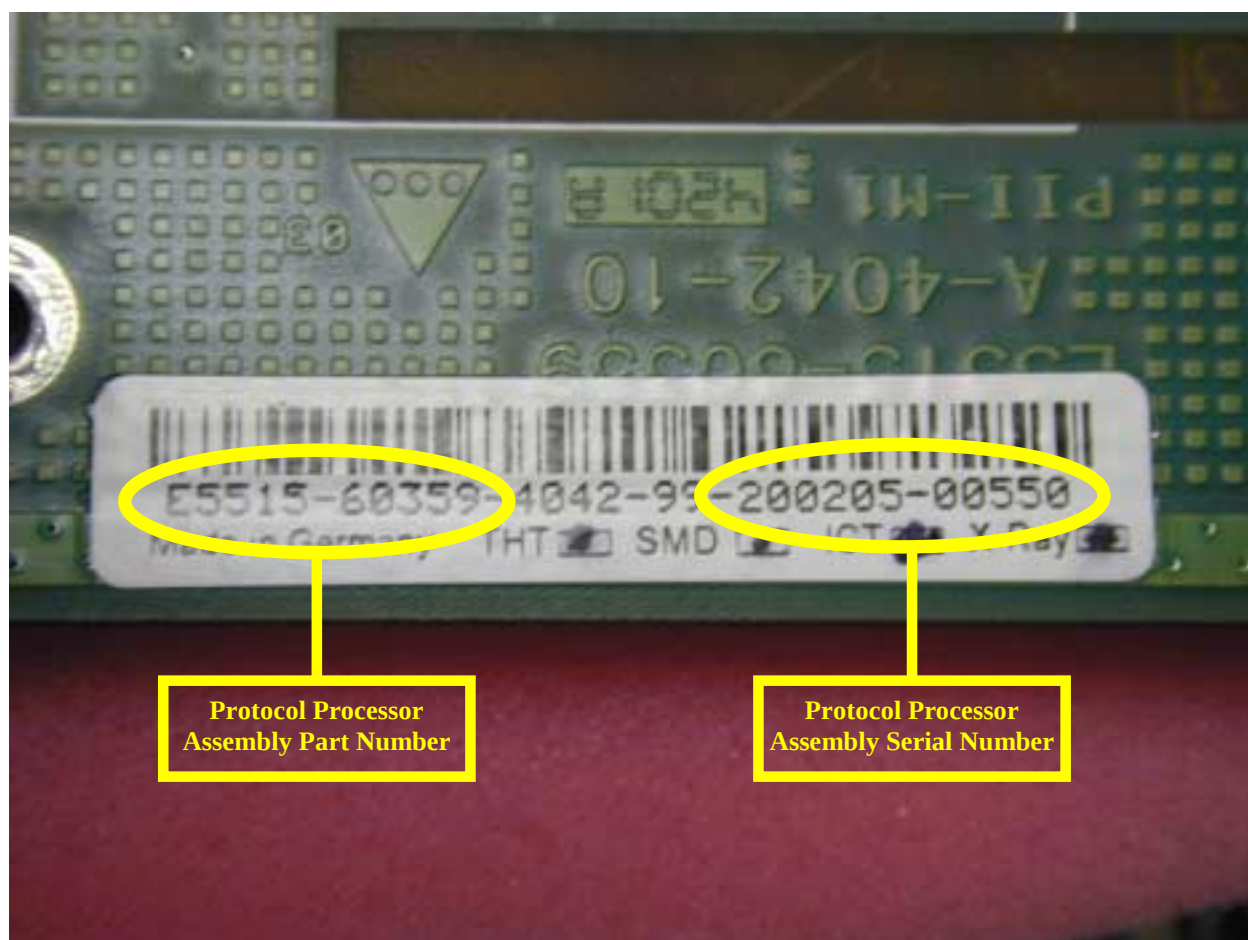


Figure 2

Appendix 1:

Model Number	Instrument Serial Number	Protocol Processor S/N
E5515T	US39340068	20010701034
E5515T	US40120013	20010701058
E5515T	US40180109	20010701631
E5515T	US40330126	20010701646
E5515T	US40330127	20010700561
E5515T	US40330129	20010700952
E5515T	US40380146	20010701452
E5515T	US40380154	20010701417
E5515T	US40380231	20010701014
E5515T	US40380250	20010700599
E5515T	US40440101	20010701633
E5515T	US40440102	20010701641
E5515T	US40440117	20010700603
E5515T	US40440118	20010700956
E5515T	US40440120	20010701028
E5515T	US40440132	20010700983
E5515T	US40440138	20010701649
E5515T	US40440150	20010700953
E5515T	US40440156	20010700582
E5515T	US40440164	20010700942
E5515T	US40440172	20010701056
E5515T	US40440176	20010701621
E5515T	US40480191	20010700587
E5515T	US40480200	20010701450
E5515T	US40480202	20010700934
E5515T	US40480211	20010701047
E5515T	US40480221	20010701648
E5515T	US40480249	20010701635
E5515T	US40480255	20010700987
E5515T	US40480256	20010700563
E5515T	US40480257	20010701656
E5515T	US40480261	20010700932
E5515T	US40480272	20010700592
E5515T	US40480274	20010701016
E5515T	US40480276	20010701018
E5515T	US40480281	20010700933
E5515T	US40480284	20010700962
E5515T	US40480319	20010701640