

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E5515C-01

S E R V I C E N O T E

Supersedes:
NONE

E5515C 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 E5515T-04			

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May 8, 2002

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).

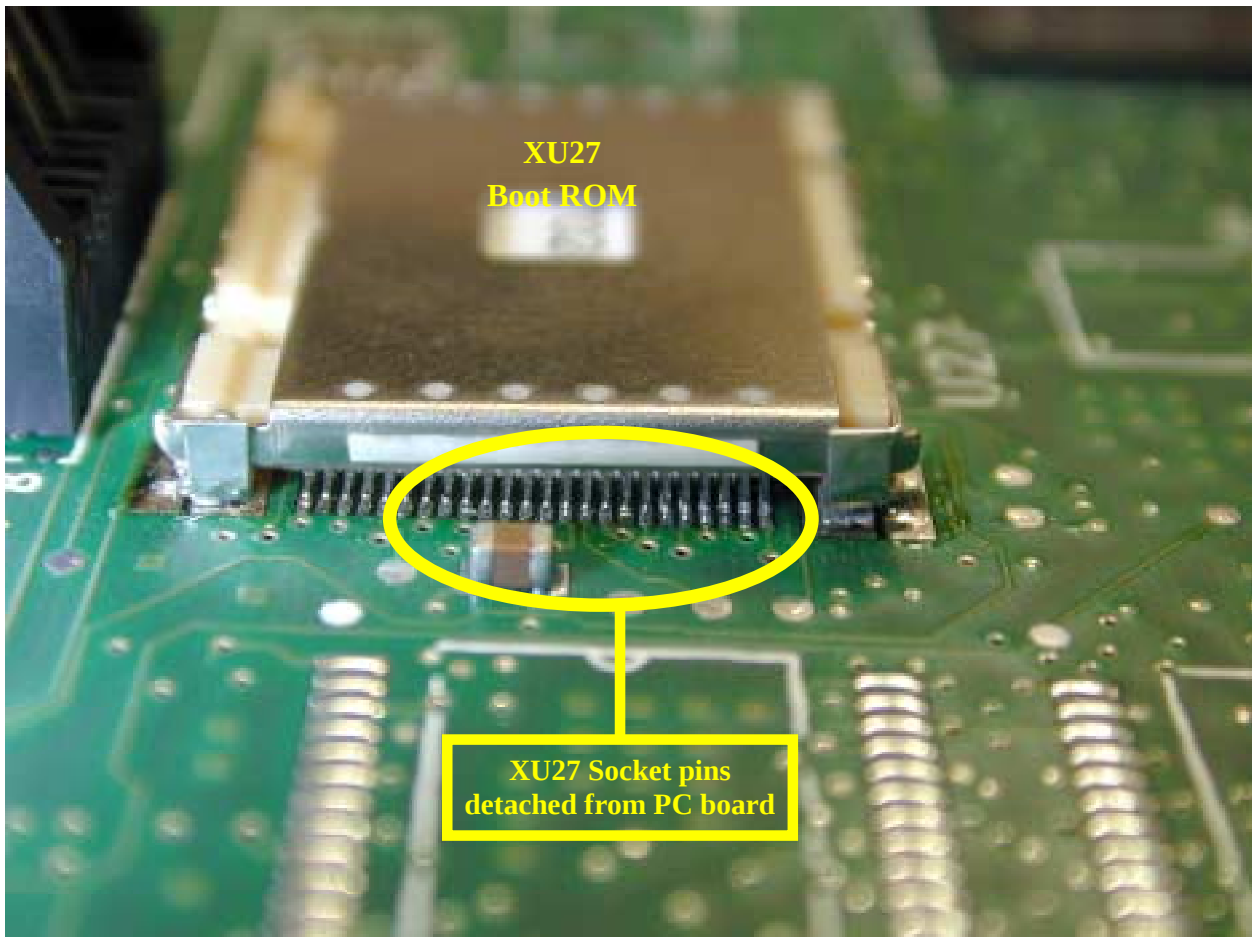


Figure 1

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.

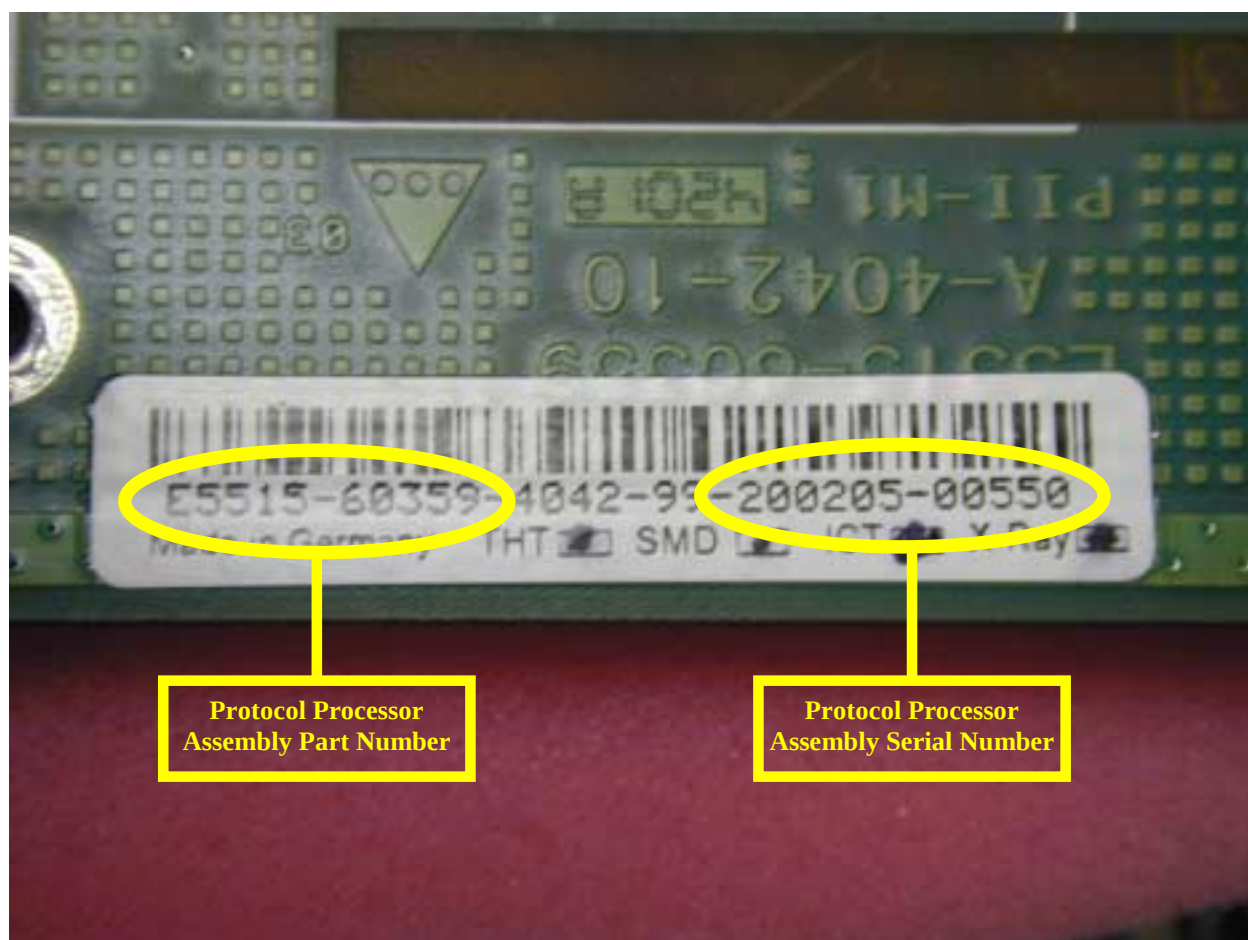


Figure 2

Appendix 1: NOTE US & GB Prefixes for Instrument Serial Numbers

Model Number	Instr S/N	Protocol Proc S/N
E5515C	US38080124	20010701620
E5515C	US39340068	20010700593
E5515C	US39340075	20010701034
E5515C	US40120012	20010701057
E5515C	US40120087	20010700588
E5515C	US40120090	20010701033
E5515C	US40120092	20010701055
E5515C	US40120093	20010701065
E5515C	US40480016	20010701044
E5515C	US40480019	20010701022
E5515C	US41070101	20010701436
E5515C	US41070102	20010701443
E5515C	US41070104	20010701054
E5515C	US41070106	20010701072
E5515C	US41070111	20010701467
E5515C	US41070114	20010701460
E5515C	US41070116	20010702459
E5515C	US41070123	20010701423
E5515C	US41070125	20010701437
E5515C	US41070128	20010701025
E5515C	US41070130	20010701471
E5515C	US41070133	20010701053
E5515C	US41070137	20010701451
E5515C	US41070140	20010701073
E5515C	US41070142	20010701076
E5515C	US41070143	20010701074
E5515C	US41070144	20010701430
E5515C	US41070149	20010701430
E5515C	US41070153	20010701026
E5515C	US41070154	20010701020
E5515C	US41070156	20010700944
E5515C	US41070160	20010701060
E5515C	US41070162	20010701445
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E5515C	US41070167	20010701438
E5515C	US41070168	20010700982
E5515C	US41070169	20010700937
E5515C	US41070170	20010701077
E5515C	US41070171	20010701421
E5515C	US41070175	20010701461
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E5515C	US41070188	20010700948
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E5515C	US41070193	20010700577
E5515C	US41070194	20010701414
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