

**E5071C-09**

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

Supersedes:  
NONE

**E5071C - ENA Series Network Analyzer, 9 kHz to 20 GHz**

**Serial Numbers: MY46100001 to MY46111081,SG46100001 to SG46100256**

**Receiver IF Ranging Test fails, though all the Performance Tests pass.**

**Parts Required:**

P/N	Description	Qty.
NONE		

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>INFORMATION ONLY</b>	
AUTHOR: jm	PRODUCT LINE: WN
ADDITIONAL INFORMATION:	

© AGILENT TECHNOLOGIES, INC. 2011  
PRINTED IN U.S.A.

April 13, 2011

Rev. 18

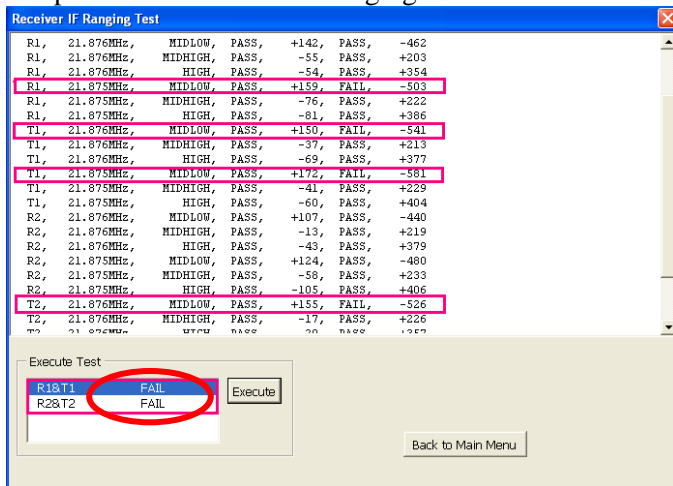


**Situation:**

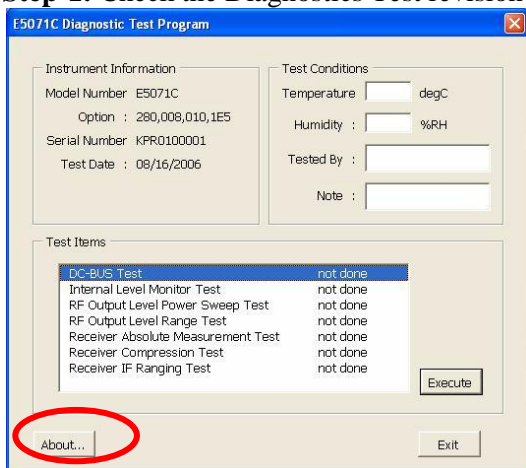
Receiver IF Ranging Test in the Diagnostics Test fails, though all the performance tests pass.

In this case, Diagnostics Test revision might be Rev. A.01.11 or below which has too severe Receiver IF Ranging test limits.

Sample of the Receiver IF Ranging Test failure.

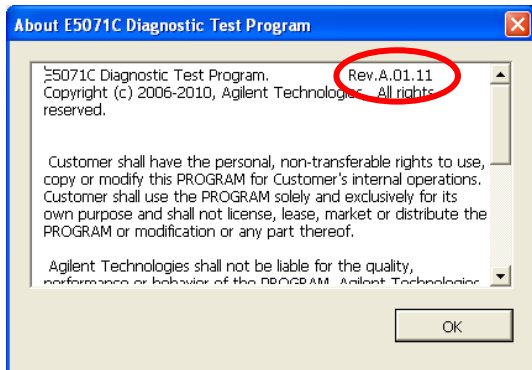
**Solution/Action:**

**Step-1:** Check the Diagnostics Test revision by clicking About Button.



If the revision is A.01.11 or below, go to **Step-2**.

If the revision is A.01.12 or above with Receiver IF Ranging test failure, go to **Step-4**.



**Step-2:** Update the firmware to Rev. A.09.61 or above, then the Diagnostics Test is automatically updated to A.01.12 or above.

**Step-3:** Re-run the Diagnostics Test and check the Receiver IF Ranging test result.  
If there is no Receiver IF Ranging test failure, the issue is resolved.  
If not, go to **Step-4**.

**Step-4:** Go to Diagnostics Test Failure Troubleshooting section in the E5071C service manual.

**Note:** If your customer claims the Receiver IF Ranging failure while running Diagnostics Test, recommend updating the firmware to A.09.61 or above.

**- End of Document -**