

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

5071A-10

S E R V I C E N O T E

Supersedes:
None

5071A Primary Frequency Standard

Serial Numbers: All USXXXXXXXX serial numbers

Profiling software, P/N 05071-13401
New revision A.03.00 available

To Be Performed By: Customer

Parts Required:

P/N	Description	Qty.
05071-13401	Profiling Software	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☒ AGREEABLE TIME	STANDARDS: LABOR: 0.0 Hours	
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		
AGILENT RESPONSIBLE UNTIL: Sept. 2003			
AUTHOR: D.C. PRODUCT LINE: 04			
ADDITIONAL INFORMATION: None			

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Situation:

This Profiling Software is included with each 5071A Assembly-Level Service Manual (P/Ns 05071-90003 and P/N 05071-90040) as an aid to isolating problems to the chassis or the Caesium Beam Tube (CBT). Prior revisions of this software incorrectly identified newer 10890A CBTs as "non-standard". This revision corrects this error.

Using the older revision of this software with a CBT having serial numbers beginning with the "US" or "3839" prefix would likely indicate that it fell into "Band 3" in Signal-to-Noise. This indication by itself would not have been consistent with other symptoms noted while following the service manual troubleshooting process. As of the date of this Service Note issue all 10890A CBTs are still operating years away from any predicted drop in Signal-to-Noise. This is because the expected lifetime of the 10890A CBT is in excess of 20 years and they have been manufactured only since 1992.

Solution/Action:

If you have purchased a copy of the 5071A Assembly-Level Service Manual check the revision on the floppy disk label. If it is lower than A.03.00 then it should be replaced.

An immediate copy is available as a download from the Agilent web site.

To obtain a copy go to:

www.agilent.com/find/frequencystandards

Click on "5071A Primary Frequency Standard" and on the next page click on "Software, Firmware and Drivers"

The self-extracting file will produce two files, 'ck5071a.exe' and 'readme.txt'. These can be copied to a new floppy disk or written over the older version.

A copy can also be obtained by contacting your local Agilent Sales or Service facility and requesting P/N 05071-13401. This can be provided free of charge.

Complete instructions on how this software is to be used are given in the 5071A Assembly-Level Service Manual. Using this software outside the context of the steps in the 5071A Assembly-Level Service manual will give results that are not meaningful.