

MODIFICATION RECOMMENDED

N4010A-07

S E R V I C E N O T E

Supersedes:
NONE

N4010A Wireless Connectivity Test Set

Serial Numbers: GB45110320 / GB45280233

Performance Improvement for Units With Excessive Timebase Drift

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
N4010-69007	RF Assembly	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION RECOMMENDED		
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 2.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS: <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: FC PRODUCT LINE: PN		
ADDITIONAL INFORMATION: Service inventory is unaffected.		

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Situation:

This Service Note addresses an accelerated drift-over-time issue with the internally generated 10MHz timebase in some Agilent N4010A Wireless Connectivity Test Sets; please refer to the serial number range shown on page 1 of this Service Note.

Please Note:

1. It is highly unlikely that an affected instrument will test a bad device and declare it as a pass. It is much more likely that the instrument will test a good device and declare it as a fail (e.g. Bluetooth modulation characteristics).
2. This issue does not affect the instrument when the internal timebase is synchronized to an external timebase (i.e. applied to the “10 MHz Ref In” connector).

Solution/Action:**Step 1: Can be checked by the customer prior to contacting Agilent.**

Use the following procedure to determine whether or not the instrument is affected by this issue:

- a) Apply power to the instrument, and allow it to warm-up for at least 30 minutes
- b) Connect a frequency counter to the “10 MHz Ref Out” connector on the rear of the instrument.
- c) Measure & record the frequency of the signal at the “10 MHz Ref Out” connector.
- d) Results:
 - Within 10 MHz \pm 10 Hz: This Service Note does not apply.
 - Outside 10 MHz \pm 10 Hz: This Service Note may apply, or the instrument may be faulty.

Step 2: Must only be checked at an Agilent Service Center.

If the frequency is outside 10 MHz \pm 10 Hz, it must be visually inspected to determine whether or not this Service Note applies:

- a) Remove the external cover from the instrument.
- b) Check the label attached to the RF Assembly
- c) Label:
 - Is N4010-69007: This Service Note does not apply; the instrument may simply require an adjustment, or it may be faulty.
 - Is not N4010-69007: This Service Note applies; install part N4010-69007, fully adjust the instrument, and carry out all performance verification tests.