

N9030A-05

S E R V I C E N O T E

Supersedes:
NONE

N9030A PXA Signal Analyzer

Serial Numbers: All

Software bug causes IF frequency response errors in FFT sweep mode above 3.6 GHz

Parts Required:
NONE, Software upgrade only.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
<input type="checkbox"/> Calibration Required <input checked="" type="checkbox"/> Calibration NOT Required	PRODUCT LINE: 12 AUTHOR: BS
ADDITIONAL INFORMATION:	

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PRINTED IN U.S.A.

December 3, 2013
Rev. 21



Situation:

Instruments with the hardware option configuration shown below will have IF frequency response errors when the analyzer is performing any measurement that uses sweep type FFT or relies on I/Q acquisitions when making measurements above 3.6 GHz.

IF frequency response errors may be in excess of 6 dB due to the SW bug. Normal IF frequency response is $< \pm 0.25$ dB or $< \pm 0.30$ dB depending on measured frequency.

Instrument option and software configuration required for problem to occur. (Press System, Show System to view the list of options and the software revision).

Options that must be installed	Options that must NOT be installed	Software revisions that cause the problem
N9030A-MPB N9030A-DP2	N9030A-B25 or N9030A-B40 or N9030A-B1X or N9030A-B85	A.13.06, A.13.07, A.13.08, A.13.09

Solution/Action:

Upgrade the instrument software to revision A.13.12 or later to fix this problem.

Instrument software is available at www.agilent.com/find/pxa_software

There is no need to perform any readjustments since the built-in auto alignment contained in the updated software will correct the problem.

This problem will be detected by the IF Frequency Response test performed as part of the Agilent calibration process.

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	12-5-2013	BS	As published