# Information Only Service Note

## N9032B PXA Series Signal Analyzers

Serial Numbers:  MY00000000 - MY63459999, SG00000000 - SG63459999 with option FBP

RF to IF flatness corrections for option FBP needed after software upgrade to A.37 and later.

### Parts Required:
None

ADMINISTRATIVE INFORMATION

| | |
|---|---|
| [[]]  Calibration Required | PRODUCT LINE: 12 |
| X Calibration NOT Required | AUTHOR:  KJL |

ADDITIONAL INFORMATION:

Only for instruments with option FBP

**KEYSIGHT**
TECHNOLOGIES

Situation:

Early N9032Bs with option FBP require additional calibration tables and flatness data when upgrading to software versions higher than A.36.  This data can be created using a script and the internal comb calibrator.  This process takes about an hour.  Flatness data will be created for band 1 for microwave N9032Bs (option 526) or band 4 for mm-wave N9032Bs (options 544, 550, 555).  If software is upgraded to version A.37 and later without also running the needed script, then the instrument will be lacking flatness data in the respective band.  This will result in degraded measurements using the wideband digitizer including EVM.

Instructions and script files can be obtained from the below file location.  For external self-maintainer customers, you may request permission to access the files after clicking on the OneDrive link blow.  External customers needing additional help can email csg.tier3@keysight.com.

https://keysighttech-my.sharepoint.com/:f:/r/personal/kleitch_keysight_com/Documents/N9032B_Service_Note?csf=1&web=1&e=GWsViL

Solution/Action:
After upgrading to newer software after version A.36, execute the script to create the needed calibration tables and flatness calibration data for band 1 or band 4, depending on the frequency range option.

Revision History:

| Date | Service Note Revision | Author | Reason for Change |
|------|----------------------|--------|-------------------|
| April 30, 2024 | 01 | Keith Leitch | As Published |
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