

MODIFICATION RECOMMENDED

**N5181A-01A**

**S E R V I C E**

**N O T E**

Supersedes:  
N5181A-01

## N5181A MXG Analog Signal Generator

### Serial Numbers:

MY46240012, MY46240712, MY46240900, MY46240905, MY46240994, MY47070070,  
MY47070089, MY47070211, MY47070217, MY47070285, MY47070317, MY47070521,  
MY47070648, MY47070780, MY47071175, MY47420004, MY47420373, MY47420391,  
MY47420538, MY47420539, MY47420543, MY47420548, MY47420550, MY47420561,  
MY47420563, MY47420565,

MY47420567 thru MY47420967,

MY47420998, MY47420999, MY47421004, MY47421005, MY47421012, MY47421048,  
SG47400027, SG47420007, SG47420009, SG47420010, SG47420011, US46240548

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
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 checked="" 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 type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	Product Support Life	NO CHARGE AVAILABLE UNTIL: 7/1/2010	
AUTHOR:	AKS	PRODUCT LINE: 15	
ADDITIONAL INFORMATION:			

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**“Batch related component issue may result in a non-functioning instrument”.**

**Suspect N5181A MXG instruments can be returned to Agilent Technologies for inspection and if necessary, Agilent covered repair.**

**To Be Performed By: Agilent-Qualified Personnel or Customer**

**Parts Required:**

P/N	Description	Qty.
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None

**Situation:**

A functional and potential reliability concern due to a batch related component issue has been identified on some of the A3 RF assemblies internal to a MXG Signal Generator. This identified issue can cause a MXG not to power on properly. No safety issue exists due to this component issue, only the concern that the MXG could not operate properly.

Only N5181A model MXG's with the serial numbers identified in this Service Note are suspected of having this batch related component issue.

**Solution/Action:**

1. Check the rear panel serial tag for a small black inspection dot (see images below). If a black dot is present, similar to what is depicted, the instrument has been checked and no further action is required. If the dot is missing proceed to step 2.



2. Check the RF assembly board serial number by pressing: *Utility > Instrument Info > Installed Board Info*

## Serial Number

FREQUENCY			PF OFF			Board Info	
3.000 000 000 00 GHz			-110.00 dBm				
Installed Board Information							
Name	Part#/Rev#	Serial#	HUID	OFR	PIC	Opts	Extr
RF	N5180-60099	23071700019	0004	000	000	0002	0000
Analog FPGA	64						
PCI FPGA	50						
Ref FPGA	36						
Synth FPGA	225						
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CPU	N5180-60066	07547017248	0000	000		0000	0000
-----							
Front Panel	N5180-20004	00000000269	00FF	000		0000	0000
Firmware	A.22						
*** PROTO CODE ** NOT FOR CUSTOMER USE ***					06/10/2008 07:02		

- If the RF board P/N: **N5180-60099** serial number falls within the range of **23080500004** thru **23081200228**, arrangements should be made so the instrument can be sent to an Agilent Service facility for inspection and if necessary a Agilent covered repair.
- If the RF board serial number does not match the serial numbers listed, using a permanent marker, it is suggested that a black dot be placed on the serial tag as shown in step 1. Doing so will assist in future quick recognition that a specific unit has been inspected or repaired. Further, the instrument does NOT need to be returned to Agilent and can be put back into use.

### Contacting Agilent:

If an instrument is to be returned to Agilent go to: <http://www.agilent.com/find/assist> for additional contact information. If you do not have access to the Internet, or you prefer, please contact your Agilent Field Engineer.

Reference this Service Note N5181A-01 as a reason (problem description) why the instrument is being returned for service.

### Note:

In most cases the repair can be done without affecting the instrument calibration and the cal due date will not have changed.