

MODIFICATION RECOMMENDED

**N5181A-08A**

**S E R V I C E**

**N O T E**

Supersedes:  
N5181A-08

## N5181A – MXG Analog Signal Generator

Serial Numbers: MY48180600 through MY48181200  
MY49060001 through MY49061290  
SG49060001 through SG49060030

Power supplies for a range of N5181A MXGs may incur an initial higher failure rate due to a minimally characterized lower level part.

### Parts Required:

P/N	Description	Qty.
N5180-60060	A1 Power Supply	1 each

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 1.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	January 1, 2011	NO CHARGE AVAILABLE UNTIL: January 1, 2011	
AUTHOR:	AKS	PRODUCT LINE: 15	
ADDITIONAL INFORMATION:  This Service Note covers only Power Supply failures in the range of units described above; at the customers' site or at an Agilent Service Center.			

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**Situation:**

The N5181A MXG Signal Generator Power Supplies in this instrument serial number range may have been built with a single lower level part that was not fully characterized or rated. The reliability of the power supply is very good with an Annual Fail Rate (AFR) of 0.25%. It is estimated that this lone part might increase the initial six month failure rate of the power supply by 2% to 2.25%. Units that will fail, show a failure in the 1<sup>st</sup> six months of usage. After six months the power supply reliability is once again normal with the AFR back to 0.25%.

**Solution/Action:**

The power supply part concern has been identified and resolved for all other serial number N5181A MXGs.

N5181A MXG units within these suspected serial number ranges, that fail due to a power supply failure (suspected related part or not), are approved and are covered under an extended warranty till January 1, 2011.