N5181A-07

S E R V I C E   N O T E

Supersedes:
NONE

N5181A MXG Analog Signal Generator

Serial Numbers: AA00000000- XX4818XXXX

N5181A A3 RF Assembly failures that occur in <u>some</u> older N5181A MXG's with an S/N: prefix < (less than) xx4818xxxx are required to use the EXCHANGE assembly N5180-69122.

Parts Required:

P/N	Description	Qty.
N5180-69122	A3 RF Assembly	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
INFORMATION ONLY

AUTHOR: AKS	PRODUCT LINE: PL15

ADDITIONAL INFORMATION:
Return ALL DEF (defective assemblies) via the PRP process as soon as possible. Doing so will ensure future Exchange part(s) availability.

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Agilent Technologies

Situation:

Older N5181A MXG Analog Signal Generators with a serial number prefix of < (less than) xx4818xxxx and that have minimal options should be repaired with the EXCHANGE A3 RF Assembly N5180-69122. This EXHANGE assembly will meet all the MXG's original warranted specifications. For these older MXG units, this assembly will be more readily available and can reduce repair turn-around time. Higher frequency and/or more optioned MXG instruments with prefix ≥ (greater than or equal to) S/N: xx4818xxxx should continue to use existing replacement assemblies.

Solution/Action:

The MXG Service Guide (P/N: N5180-90006) has been updated on the web with a New Parts Replacement Table 2-2. The table and associated footnotes clearly depict the correct A3 RF Assembly required for a particular N5181A repair; given frequency and other configured options within a particular unit. Match the unit's frequency requirement with the installed options in order to select the correct A3 RF Assembly for repairing the MXG.

The Table 2-2 below is an excerpt from the updated MXG Service Guide depicting the available A3 RF Assemblies and associated replacement part numbers.

Table 2-2

Description	Option 501		Option 503		Option 506	
	Part Number	Page Number	Part Number	Page Number	Part Number	Page Number
A3 RF Assembly UNM[ab] (front panel output)	N5180-69xxx[b]	2-12	N5180-69xxx[b]	2-12	N5180-69168	2-12
A3 RF Assembly UNM with UNU and/or UNT[ab] (front panel output)	N5180-69xxx[b]	2-12	N5180-69xxx[b]	2-12	N5180-69168	2-12
A3 RF Assembly UNM with UNU or UNW and/or UNT & any combination or all of the following options; UNV, UNZ, 1EQ and 099[a] (front panel output)	N5180-69167	2-12	N5180-69167	2-12	N5180-69169	2-12
A3 RF Assembly 1EM All (*Any combination of options or no options*)[a] (rear panel output)	N5180-69170	2-12	N5180-69170	2-12	N5180-69170	2-12

[a]The replacement of the A3 RF assembly requires firmware ≥A.01.42. To avoid configuration errors, download firmware ≥A.01.42 prior to replacing the A3 assembly. If the A3 RF assembly is replaced prior to downloading firmware ≥A.01.42, downloading firmware ≥A.01.42 and cycling the power should correct any configuration errors.

[b]Instrument serial number < xx4818xxxx: order part number N5180-69122.
Instrument serial number ≥ xx4818xxxx: order part number N5180-69166.