81130A-05

S E R V I C E   N O T E

81130A Pulse Generator: 81132A Channel Add/Repair

Serial Numbers: ALL

**Be aware that there are 2 types of 81132A channels available!
You cannot mix the 2 types of channels.**

When *upgrading* an 81130A from a 1 channel unit (one 81132A output channel) to a 2 output channel unit, the new channel has to match the type of channel already in the unit.

When *repairing* an 81130A (one 81132A output channel or two 81132A output channels) the repair part has to match the type of channel already in the unit.

Parts Required:

P/N	Description	Qty.

NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
INFORMATION ONLY

AUTHOR: HK	PRODUCT LINE: PL24

ADDITIONAL INFORMATION:

September 15, 2008

Agilent Technologies

Situation:

Starting June 2008 the 81130A pulse generator product with 81132A channel modules was released with a new type of 81132A channel module.

The release was necessary as the Division was running out of parts for building the older type of 81132A channel modules.

The new 81132A channel module has slightly different specifications (see new datasheet) and has a new part number.

Technical Details:

There are now 2 types of 81132A channel modules for the 81130A. They differ in specification, part number and appearance.
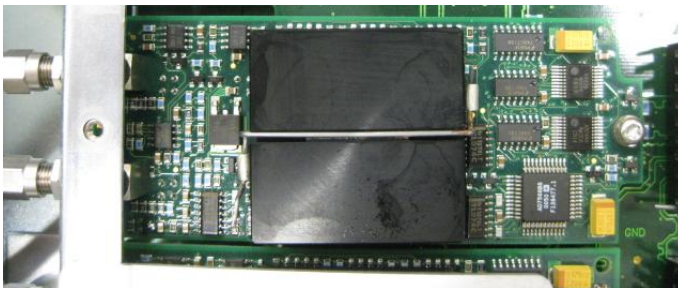
Old channel module:

81132-69509	660MHz Output Channel Board Pulse Generator EXCH
81132-69509-DEF	660MHz Output Channel Board Pulse Generator Return

There are no new modules available anymore, i.e. only exchange parts (81132-69509).

New channel module:

81132-60510	660MHz Output Channel Board Pulse Generator Spare
81132-69510	660MHz Output Channel Board Pulse Generator EXCH
81132-69510-DEF	660MHz Output Channel Board Pulse Generator Return

- Starting with serial number DE48601801 the Division will only ship new channel modules.
- There is a new firmware available: 81130A_FW_BIOS_01.12.00_04.77.
  The new firmware is able to identify the type of channel module and it is able to work with both types. You can do a firmware upgrade on all units.
- We introduced a new set of spare parts for the new channel module (numbers see above).
- For the old channel module there will be no more new repair parts (no 81132-66509) but only exchange repair parts (81132-69509) available.

- The performance verification / calibration software in the Service Centers was not impacted. Therefore the existing performance verification / calibration software can do both old and new.
- You cannot mix different types of channel modules in one 81130A unit.

Solution/Action:

- When you **upgrade** a 1 channel unit to a 2 channel you have to upgrade using the type of channel that is already used in the box, i.e. older type units (81132-66509 channel) must be upgraded with older type channels 81132-69509 and newer type channel units (81132-60510) must be upgraded with newer type channels (81132-60510).

- When you **repair** a unit, please order and use the type of channel that is already used in the 81130A box.
  Do not change or mix the type of channel.
  Older type channel modules must be repaired with older type channel modules (channels) and new type modules with new.
  It is not possible to mix the modules!