

E5061B-04B

S E R V I C E N O T E

Supersedes:
E5061B-04A

E5061B Network Analyzer

Serial Numbers: **ALL**

E5061BU Option 135/035/137/037/215/235/217/237 Upgrade Kit Upgrade Procedure.

Parts Required:

P/N	Description	Qty.
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E5052BU upgrade kits.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY INTERNAL ONLY DOCUMENT	
<input checked="" type="checkbox"/> Calibration Required <input type="checkbox"/> Calibration NOT Required	PRODUCT LINE: WN AUTHOR: jm
ADDITIONAL INFORMATION: E5061BU Option 135/035/137/037/215/235/217/237 Upgrade Kit Upgrade Procedure	

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Situation:

This service note describes how to install the option 135/215/235/137/217/237 to the E5061B. When customers order the upgrade kit, the customers send their E5061B for upgrade to nearest Agilent service center. The service centers that can support the E5061B are able to upgrade the E5061B using following procedure.

Upgrade Kit Product No.	Description	E5061B Option	
		From	To
E5061BU-215	Upgrade from 50ohm 1.5GHz TR to 50ohm 1.5GHz S-parameter	115	215
E5061BU-135	Upgrade from 50 ohm 1.5GHz TR to 50 ohm 3GHz TR	115	135
E5061BU-235	Upgrade from 50ohm 3GHz TR to 50ohm 3GHz S- parameter	135	235
E5061BU-035	Upgrade from 50ohm 1.5GHz S- parameter to 50ohm 3GHz S- parameter	215	235
E5061BU-217	Upgrade from 75ohm 1.5GHz TR to 75ohm 1.5GHz S- parameter	117	217
E5061BU-137	Upgrade from 75ohm 1.5GHz TR to 75ohm 3GHz TR	117	137
E5061BU-237	Upgrade from 75ohm 3GHz TR to 75ohm 3GHz S- parameter	137	237
E5061BU-037	Upgrade from 75ohm 1.5GHz S- parameter to 75ohm 3GHz S- parameter	217	237

When the service center upgrades the above options, Firmware needs to update to A.02.09 or later

When the customer upgrade from 1.5 GHz to 3 GHz and from T/R to S-parameter at the same time, the following two upgrade kits are ordered and shipped to the service center.

- For 50 ohm option, E5061BU-135 + E5061BU-235
- For 75 ohm option, E5061BU-137 + E5061BU-237

Solution/Action:**Installation procedure**

- I. Update Firmware to A02.09 or later, in case it's below A.02.09.
- II. Execute the E5061B adjustment program
- III. Confirm the performance with the performance test program
- IV. Place the Option label
- V. Change Product Name label on front panel (Option 135/035/137/037 upgrade)

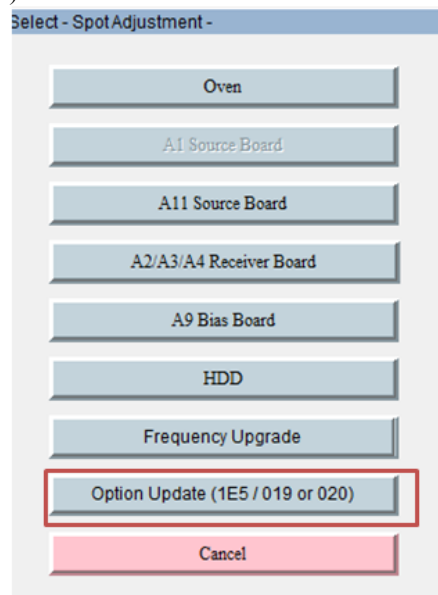
- I. Update Firmware to A.02.09 or later, in case it's below A.02.09.
- II. Execute the E5061B adjustment program
 1. Follow E5061B Network Analyzer Software Entitlement Certificate which is attached in the upgrade kit.
 - 1-1. You will need access to the internet and an e-mail account to activate the frequency upgrade license.
 - 1-2. Log on to the Agilent Software Licensing System, <http://www.agilent.com/find/softwarelicense> then follow the instructions provided to create the license file. You will need Order Number and Certificate Number on the Entitlement Certificate, and also you need E5061B's serial number.
 - 1-3. After receiving the license file that will be e-mailed to you, put the .lic file to your PC under adje5061b\license directory.
 2. Run the E5061B adjustment program (Revision should be A.02.20 or later).
 - 2-1. See the current E5061B info by clicking AUTO READ button.
 - 2-2. Check the current Firmware revision, E5061B serial-number and the current option(s)

If the firmware revision shown in the E5061B Info and Test Conditions screen is below A.02.09, go to Step I.

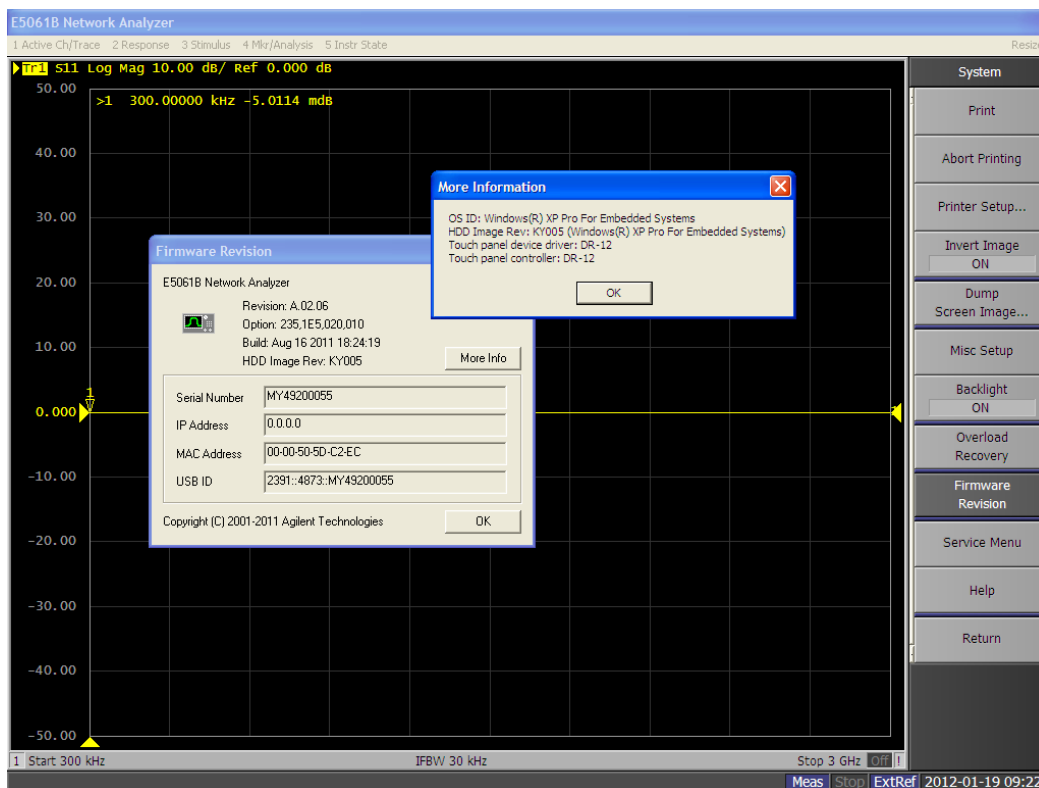
If the E5061B serial-number shown in the E5061B Info and Test Condition screen is different from the serial-number which you received via e-mail, option upgrade procedure does not work correctly. (Exception) If the E5061B serial-number shown in the E5061B Info and Test Condition screen is 0000000000, write the appropriate serial-number before executing Step 2-3. See Service Note E5061B-07 of A51 DSP Assembly Post-Repair procedure in details.

If the E5061B option number(s) shown in the E5061B Info and Test Condition screen is different from the “From” Option, option upgrade procedure does not work correctly.

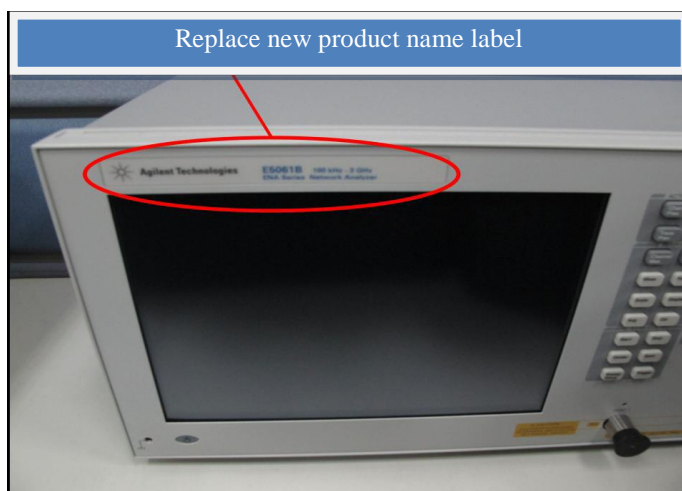
- 2-3. Proceed by clicking “Next”. Select “Spot Adjustment” and proceed with “Option update (1E5/ 019 or 020)”



- 2-4. A dialog box will pop up. Enter .lic filename with file extension which you put under adje5061b\license directory.
- 2-5. Confirm the “To” Option, then click OK button. Verify on the unit option and s/n once option update is completed and firmware rebooted.
3. Select “All adjustment” and run
4. Once finishing the adjustment, restart the system and check if the corrected option is applied.



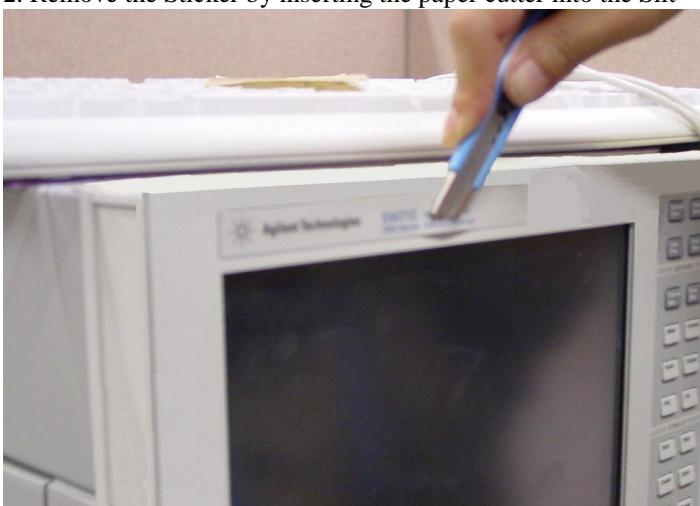
- III. Confirm the performance with the performance test program
 - After execute the adjustment and confirming the option is installed. All of performance test should execute to ensure the system's performance is correct.
- IV. Change the option label
 - Attach the new option label (135/215/235/137/217/237) below the serial number label of the Rear panel.
- V. Change Product Name label on front panel (E5061BU Option 135/035/137/037 upgrade)
 - For option 135/035/137/037 upgrade, remove the product name label on front panel and attach the new product name label as shown in figure below.



- Remove the original product name label as described in procedure below.
1. Slit up in the center of Sticker.



2. Remove the Sticker by inserting the paper cutter into the Slit



Caution: If sticker is removed directly at the edge, it may scratch the front panel

- End of Document -

Revision History:

Revision Number	Date	Author	Reason For Change
04		JM	As published
04A		JM	Updated the option upgrade procedure with E5061B adj program.
04B	7-Mar-2013	LS	Updated on the option upgrade procedure.