

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

J2129A-01

S E R V I C E N O T E

Supersedes:

Agilent J2129/7A Transmission Test Sets

Serial Numbers:

GB27000139, GB27000140, GB27000141, GB27000143
GB27000144, GB27000145, GB27000146, GB27000147
GB27000148, GB27000150, GB27000156, GB27000166
GB27000170, GB27000171, GB27000226, GB27000232

Additional Information for Upgrading Firmware

To Be Performed By: Customer/Agilent-Qualified Personnel

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:		IMMEDIATELY ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME		STANDARDS: LABOR: N/A	
LOCATION CATEGORY:		<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER		SERVICE INVENTORY:	RETURN SCRAP SEE TEXT
AVAILABILITY:		PRODUCT'S SUPPORT LIFE		USED PARTS:	RETURN SCRAP SEE TEXT
AGILENT RESPONSIBLE UNTIL:					
AUTHOR: JIM MCW		PRODUCT LINE: PL2Q			
ADDITIONAL INFORMATION:					

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Situation:

Units purchased with the J2129A Enhanced Testing upgrade are normally shipped “upgrade enabled” which allows them to “by-pass” the normal password protection scheme required when purchasing upgrades.

However a number of customer instruments ordered with the J2129A upgrade were shipped “un-enabled” and require an additional procedure to enable the J2129A feature set.

Solution/Action:

After completing the normal upgrade procedure, use the following instructions to enable the J2129A feature set.

Description

1. Select **Menu > System > Options > Software**.
2. The instrument software options page will appear as follows

The screenshot displays the 'System - Options' window with the 'Software' tab selected. The window title is '10.225.0.223'. The 'Software' tab shows fields for 'Software Revision' (X.nn.nn), 'Build Time' (Mon Dec 3 14:03:34 2001), 'Engineer' (ead.eclipse), 'View Name' (lynx2), and 'Host Name' (hpqt0755). Below these is an 'Upgrade Software' section with 'J2129A' selected, a text box containing '123456', and an 'Enable' button. To the right, the 'Results - Trouble Scan' panel shows 'No Trouble'. At the bottom, there is a 'Tx Functions' section with checkboxes for 'Errors / Alarms', 'Frequency Offset', 'Pointer Offset', 'Non-default OH', and 'Coupling' (checked). A diagram shows a signal path from a 'Tx' block (2^23-1 Norm) through a '2M' block to a '2M HDB3' block, which is connected to a 'UUT' (Unit Under Test). A return path goes from the 'UUT' through another '2M HDB3' block and a '2M' block to an 'Rx' block (2^23-1 Norm). The 'Measurement Elapsed Time' is displayed as '00d 00h 00m 00s'. The 'Status' bar at the bottom indicates 'Laser-OFF'.

3. From the following table, select the upgrade password that corresponds to the serial number of the instrument that has been upgraded.

Serial Number	Upgrade Password
GB27000139	336107
GB27000140	218633
GB27000141	87703
GB27000143	283114
GB27000144	88307
GB27000145	219245
GB27000146	286606
GB27000147	417552
GB27000148	413116
GB27000150	16970
GB27000156	478157
GB27000166	161544
GB27000170	420556
GB27000171	289362
GB27000226	105735
GB27000232	34750

4. On the instrument **Options** page, type the password in the field labeled **J2129A** and press **Select** to enter the password and enable the software.
5. To confirm the additional features are enabled, select **Menu > Tx/Rx > Transmitter Settings**. Select folder **Physical**, **Signal Rate** and confirm that the additional 140M - DS1 rates are now available.
6. End of procedure.