

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

J7230A-01

S E R V I C E N O T E

Supersedes:
NONE

J7230A OmniBER OTN

Serial Numbers: GB30100100/GB30100200

Replace 10G optical PCA to fix fault where the 9.95/10.7Gb/s optical receiver detects errors and alarms (BIP, LOF, LOP and others) where none exist. The serial numbers of the 10G optical PCAs affected are as follows:

006019, 006021, 006023, 006025, 006026, 006773, 006775, 006776, 006779,
006780, 006781, 006783, 006784, 006786, 006787, 006788, 006791, 006792,
006795, 006798, 006799

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
J7230-63001	10G Optical Assembly	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 2 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL: 2008			
AUTHOR: DM PRODUCT LINE: 2Q			
ADDITIONAL INFORMATION: All returned optical assemblies must be tagged with the service note number, J7230A-01, so they can be easily identified at division.			

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Situation:

A batch problem existed with early J7230A units, where the 10G optical interface failed after a short time. The symptoms of the failure are that the 9.95/10.7Gb/s optical receiver shows errors and alarms (BIP errors, LOF, LOP and others), when none exist. Although many of these optical assemblies have been repaired/replaced, a number remain in circulation. Therefore, if a J7230A unit with a 10G optical assembly corresponding to one of the serial numbers listed on page 1 of this document should require repair, this should be carried out under the guidelines of this service note.

The 10G optical assembly serial number can be found as follows:

With the J7230A unit powered on, press Menu, choose System, then Manufacturing Data. From the menu, read the information pertaining to slot 2, the 10G optical assembly. The information will be in the form:

J7230-63001 0400 SL 204 XXXXXX 00C

where XXXXXX is the six-digit serial number listed on page 1 of this document.

Solution/Action:

If the 10G optical assembly serial number corresponds to one from the list on page 1 of this document, remove it from the J7230A instrument and fit a new 10G optical assembly. In order to carry out this repair, you may require information contained in the J7230A Disassembly Guide and J7230A Installation and Verification Manual. These can be found in the TNTD website, Horizon, at the following location:

<http://horizon.britain.agilent.com/>

Follow “Product – OmniBER OTN (J7230A) – Support – Service Documentation” for the Disassembly Guide and “Product – OmniBER OTN (J7230A) – Support – Manuals” for the Installation and Verification manual.

To verify the repair, perform all self-tests on the instrument except long-gating tests (further information can be found in the J7230A Installation and Verification Manual). Ensure that the correct optical patchcords and attenuators are used at all times.

Finally, ship the faulty optical assembly to TNTD Customer Support, **securely tagged with J7230A-01 for ease of identification at TNTD.**

If there are any problems with the repair, email TNTD_Support@agilent.com.