Modification Recommended Service Note

Supersedes:
NONE

N4391A – Optical Modulation Analyzer

Serial Numbers: DE49900158, DE49900160, DE49900167, DE49900176, DE49900177, DE49900181

Performance improvement for polarization tracking of transmitter back-to-back measurements on dual test set OMA's

Parts Required:
P/N   Description   Qty.

None – Modification will be done at factory → RTF

ADMINISTRATIVE INFORMATION

ACTION CATEGORY:	[[]] ON SPECIFIED FAILURE **X** AGREEABLE TIME	STANDARDS LABOR: 0.5 Hours for admin			
LOCATION CATEGORY:	[[]] CUSTOMER INSTALLABLE [[]] ON-SITE (active On-site contract required) **X** KEYSIGHT LOCATION → RTF [[]] CHANNEL PARTNERS	SERVICE: INVENTORY:	[[]] RETURN [[]] SCRAP **X** None → RTF	USED PARTS:	[[]] RETURN [[]] SCRAP **X** None → RTF
AVAILABILITY: PRODUCT'S SUPPORT LIFE	**X** Calibration Required → included in RTF service [[]] Calibration NOT Required	NO CHARGE AVAILABLE UNTIL: 30-Apr-2018 PRODUCT LINE: 3E AUTHOR: jm			

ADDITIONAL INFORMATION:
The implementation of the recommended modification service note will be done at the factory → RTF.

Situation:

For transmitter back-to-back measurements the first **dual test set** architecture does not keep the assignment of X and Y polarization of signals to VSA channels between result updates. This limitation often shows different results between single and dual test set OMAs.

NOTE   This behavior does not violate any warranted or typical specifications of the OMA system

To have best result agreement between the OMA systems Keysight is offering and recommending this free-of-charge (until Apr-2018) service for the identified systems.

Solution/Action:
Send in your OMA system to your next Keysight service location to upgrade your dual test set to the new enhanced architecture at factory → RTF.
A subsequent system calibration at factory is included.

Revision History:

Date	Service Note Revision	Author	Reason for Change
13 Sep 2016	01	jm	As Published