

N4373C-01A

Modification Recommended Service Note

Supersedes:
N4373C-01

N4373C 40/50/67 GHz Lightwave Component Analyzer

Serial Numbers:

DE47400108, DE48A00102, DE48A00104, DE48A00106, DE48A00107, DE48A00109 - DE48A00111,
DE48A00113, DE48A00117 - DE48A00134, DE48A00136 - DE48A00146, DE48A00151 - DE48A00156,
DE48A00158

An improved calibration procedure is recommended for re-adjustments and verification of N4373B/C/D LCAs. **Customer needs to approve re-adjustment**

Parts Required:

NONE

ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS			
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	5.0 Hours		
LOCATION	<input type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN	USED	<input type="checkbox"/> RETURN
CATEGORY:	<input checked="" type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP	PARTS:	<input type="checkbox"/> SCRAP
	<input checked="" type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SEE TEXT		<input type="checkbox"/> SEE TEXT
	<input type="checkbox"/> CHANNEL PARTNERS				
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	Aug 1 st , 2021		
	<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE:	[3E]		
	<input type="checkbox"/> Calibration NOT Required	AUTHOR:	[PSC]		

ADDITIONAL INFORMATION:

Situation:

- After re-adjustment, the “relative frequency response uncertainty” measurement value in the “Production Test Data” report could be improved
- The improvement is effective in the range 40GHz to 50GHz. The “relative frequency response uncertainty” is specified across the range of 0.05GHz to 65GHz. The specification limits are detailed for 5 sub-ranges. The particular measurement value in the range 20GHz to 50GHz could be improved
- The re-adjusted instruments will benefit from a further reduced uncertainty for E/O and O/E measurements in the range of 40GHz to 50GHz.
- All Specifications remain unchanged

Solution/Action:

- “As received” calibration will be performed
- **Double check if re-adjustment already performed**
(if adjustment files on system dated after Jan 2018 no action is required)
- Re-adjustment is done as automatically ordered
- “As completed” calibration will be performed
- Keysight will cover the additional cost for the re-adjustment as part of a regular calibration

Revision History:

Date	Service Note Revision	Author	Reason for Change
22 Feb 2019	01	PSC	As Published