

# Modification Recommended Service Note

Supersedes:  
NONE

## N4692D option ODC - DC to 40 GHz Electronic Calibration Module (ECal)

Serial Numbers: See Table 1  
Manufacturing ID Number: N/A

### The Problem –

On certain N4692D units with Option ODC, Reflection Tracking may exceed the specification by 0.05 dB at frequencies below 200MHz when measuring high reflective devices.

### Parts Required:

None

#### ADMINISTRATIVE INFORMATION

ACTION	<input type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS		
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	3.5 Hours	
LOCATION	<input checked="" type="checkbox"/> SERVICE CENTER	SERVICE:	<input type="checkbox"/> RETURN	USED <input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP	PARTS: <input type="checkbox"/> SCRAP
	<input type="checkbox"/> CHANNEL PARTNERS		<input type="checkbox"/> SEE TEXT	<input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	2 Sept 2022	
	<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE:	PLWN	
	<input type="checkbox"/> Calibration NOT Required	AUTHOR:	CT	

ADDITIONAL INFORMATION:  
Affect N4692D with option ODC only

**Situation:**

It was identified that certain units of N4692D with option 0DC were affected by an error in the calibration algorithm. For the units affected by this calibration error, the Reflection Tracking may exceed the specification by 0.05 dB at frequencies below 200MHz. The error would only be apparent when measuring highly reflective devices at frequencies below 200MHz. Recalibration at Keysight’s service center will resolve the issue and ensure optimized and accurate data is loaded into the unit. If your application does not involve taking any measurements within the impacted frequency range on highly reflective devices, you can continue to use the ECal unit with its currently characterized data. At your next calibration cycle, the unit will be recharacterized and the issue will be resolved.

**Solution/Action:**

1. Return the ECal unit to the nearest Keysight service center for re-calibration.
2. A new calibration report will be generated.

**Table 1 Serial Number**

<b>Serial Number</b>			
MY59410135	MY59410195	MY59410268	MY59410320
MY59410138	MY59410196	MY59410269	MY59410325
MY59410141	MY59410203	MY59410271	MY59410330
MY59410142	MY59410210	MY59410272	MY59410337
MY59410146	MY59410218	MY59410282	MY59410343
MY59410147	MY59410239	MY59410283	MY59410346
MY59410148	MY59410243	MY59410296	MY59410359
MY59410157	MY59410244	MY59410298	MY59410362
MY59410169	MY59410254	MY59410299	MY59410372
MY59410174	MY59410255	MY59410307	MY59410374
MY59410175	MY59410256	MY59410308	MY59410383
MY59410183	MY59410262	MY59410311	MY59410395
MY59410192	MY59410264	MY59410317	SG59410110

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
2 Sep 2021	01	Lam CT	As Published
1 Mar 2023	02	Lam CT	Update Labor Hour