

8481D-02

S E R V I C E N O T E

Supersedes:
None

8481D Diode Power Sensor

Serial Numbers: 3643A22033, 3643A22106, 3643A22110 / 3643A22417*

*Some serial numbers within this range are not affected. 8481D sensors are affected if the serial number is listed above and the date on the Calibration Report is before February 8, 2001.

08481-60145 Tracking Numbers:
503 / 511 and 669 / 672

Cal Factor and Reflection Magnitude Uncertainty values on factory Calibration Report are incorrect.

To Be Performed By: Agilent-Qualified Personnel or Customer with 8481D calibration capability

Parts Required:

P/N	Description	Qty.
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None

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	X IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 1.50 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: August 2002	
AUTHOR: T. C.	PRODUCT LINE: PN		
ADDITIONAL INFORMATION: None			

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Situation:

Due to an error in the calibration of test equipment used to measure reflection magnitude and phase, incorrect reflection data was used to calculate the Calibration Factors of the sensor.

Therefore, the actual Reflection and Cal Factor uncertainty values are higher than those recorded on the original Calibration Report provided by the factory.

If the customer feels that the increased uncertainty is a problem, the sensor should be returned to the nearest service center with calibration capability. A local re-calibration of the device will correct the problem and will be performed free of charge to the customer.

Affected Replacement Bulkheads should not be used for repair unless the 8481D is re-calibrated after the bulkhead replacement. Customers without cal capability should return the affected bulkheads to ALS or their parts supplier as defective.