

Manual Changes Supplement

N4375B Lightwave Component Analyzer User's Guide

This supplement is written for the N4375B Lightwave Component Analyzer User's Guide, part number 4375B-90A02, print date December 2008. It contains important information for correcting manual errors.



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Contacting Agilent

Assistance with test and measurement needs and information on finding a local Agilent office are available on the Web at:

<http://www.agilent.com/find/assist>

If you do not have access to the Internet, please contact your Agilent field engineer.

NOTE

In any correspondence or telephone conversation, refer to the Agilent product by its model number and full serial number. With this information, the Agilent representative can determine whether your product is still within its warranty period.

Change 1

Change 1, on Page 150, in the specifications table for electrical to optical measurements at 1310 nm (EO mode) shows an instance of “typ” that must be removed.

Instructions

In the “Minimum measurable frequency Response (noise floor)^{b c}” row of the specification table, remove “typ.” after “-60 dB (W/A)” as shown below.

Minimum measurable frequency Response (noise floor) ^{b c}	-60 dB (W/A) typ.	-86 dB (W/A)	-86 dB (W/A)
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Change 2

Change 2, on Page 151, in the specifications table for electrical to optical measurements at 1550 nm (EO mode) shows an instance of “typ” that must be removed.

Instructions

In the “Minimum measurable frequency Response (noise floor)^{b c}” row of the specification table, remove “typ.” after “-60 dB (W/A)” as shown below.

Minimum measurable frequency Response (noise floor) ^{b c}	-60 dB (W/A) typ.	-86 dB (W/A)	-86 dB (W/A)
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Change 3

Change 3, on Page 152, in the specifications table for optical to electrical measurements at 1310 nm (OE mode) shows an instance of “typ” that must be removed.

Instructions

In the “Minimum measurable frequency Response (noise floor)^{a d e}” row of the specification table, remove “typ.” after “-49 dB (A/W)” as shown below.

Minimum measurable frequency Response (noise floor) ^{a d e}	-49 dB (A/W) typ.	-72 dB (A/W)	-76 dB (A/W)
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Change 4

Change 4, on Page 153, the heading is incorrect and the specifications table for optical to electrical measurements at 1550 nm (OE mode) shows an instance of “typ” that must be removed.

Instructions

1. In the heading, change 1310 to 1550.
2. In the “Minimum measurable frequency Response (noise floor)^{a d e}” row of the specification table, remove “typ.” after “-49 dB (A/W)” as shown below.

Minimum measurable frequency Response (noise floor) ^{a d e}	-49 dB (A/W) typ.	-72 dB (A/W)	-76 dB (A/W)
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Change 5

Change 5, on Page 154, in the specifications table for optical to optical measurements at 1310 nm (00 mode) shows two instances of “typ” that must be removed.

Instructions

In the “Relative frequency response uncertainty^a” row and “Absolute frequency response uncertainty^a” row of the specification table, remove “typ.” after “-13 dB_e” as shown below.

Relative frequency response uncertainty ^a	DUT response ≥ -13 dB _e (typ.) (≥ -6.5 dB _o) ^b	±0.25 dB _e typ. (±0.125 dB _o typ.)	±0.25 dB _e (±0.125 dB _o)	±0.25 dB _e (±0.125 dB _o)
Absolute frequency response uncertainty ^a	DUT response ≥ -13 dB _e (typ.) (≥ -6.5 dB _o) ^b	±1.2 dB _e typ. (±0.6 dB _o typ.)	±1.2 dB _e (±0.6 dB _o)	±1.2 dB _e (±0.6 dB _o)

Change 6

Change 6, on Page 155, in the specifications table for optical to optical measurements at 1550 nm (00 mode) shows two instances of “typ” that must be removed.

Instructions

In the “Relative frequency response uncertainty^a” row and “Absolute frequency response uncertainty^a” row of the specification table, remove “typ.” after “-13 dBe” as shown below.

Relative frequency response uncertainty ^a	DUT response $\geq -13 \text{ dBe}$ (typ.) $(\geq -6.5 \text{ dBo})$ ^b	$\pm 0.25 \text{ dBe typ.}$ $(\pm 0.125 \text{ dBo typ.})$	$\pm 0.25 \text{ dBe}$ $(\pm 0.125 \text{ dBo})$	$\pm 0.25 \text{ dBe}$ $(\pm 0.125 \text{ dBo})$
Absolute frequency response uncertainty ^a	DUT response $\geq -13 \text{ dBe}$ (typ.) $(\geq -6.5 \text{ dBo})$ ^b	$\pm 1.2 \text{ dBe typ.}$ $(\pm 0.6 \text{ dBo typ.})$	$\pm 1.2 \text{ dBe}$ $(\pm 0.6 \text{ dBo})$	$\pm 1.2 \text{ dBe}$ $(\pm 0.6 \text{ dBo})$