# MANUAL CHANGES

#### MANUAL IDENTIFICATION -

Model Number: Date Printed: Part Number: 8447A April 1970

08447-90003

This supplement contains important information for correcting manual errors and for adapting the manual to instruments containing improvements made after the printing of the manual.

To use this supplement:

Make all ERRATA corrections

Make all appropriate serial number related changes indicated in the tables below.

Serial Prefix or Number	Make Manual Changes	Serial Prefix or Number — Make Manual Changes —
1145A	1	
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NEW ITEM

#### **ERRATA**

Page 1-1, Table 1-1:

Add Reverse Isolation: > 30 dB

Page 4-2, Paragraph 4-6:

Add 10 dB attenuator (2 required) . . . . . . . HP 8491A Opt. 010 to the equipment list.

Page 4-3, Paragraph 4-6:

Change step 6 to read as follows:

To check flatness, set the signal level at Channel A to -30 dBm. Connect a 10 dB attenuator to each tee, between the tee and the adapter. Note the level difference between Channel A and Channel B as the generator frequency is tuned from 10 MHz to 400 MHz. Keep the input level to the amplifier (CHANNEL A) constant and note the variation in Channel B. Channel B should change < 1 dB ( $\pm$  0.5 dB).

Page 4-5, Paragraph 4-7:

Under SPECIFICATION: Change "parts" to "ports."

#### NOTE

Manual change supplements are revised as often as necessary to keep manuals as current and accurate as possible. Hewlett-Packard recommends that you periodically request the latest edition of this supplement. Free copies are available from all HP offices. When requesting copies quote the manual identification information from your supplement, or the model number and print date from the title page of the manual.





Page 4-10, PERFORMANCE TESTS:
Add the following performance test:

## PERFORMANCE TESTS

# 4-10. REVERSE ISOLATION

SPECIFICATION:

Reverse Isolation: > 30 dB

DESCRIPTION:

Using a signal generator and a vector voltmeter, a known signal level loss is measured from OUTPUT to INPUT port.

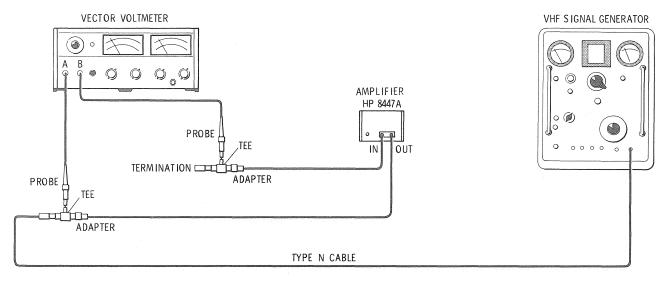


Figure 4-8. Reverse Isolation Test Setup

## **EQUIPMENT:**

Signal Generator		٠						•							.HP 608E/F
Vector Voltmeter .															
Feedthrough Tee (2).															HP 11536A
Termination	•,							٠		•		•	,.		. HP 908A
Adapter														•	UG-201A/U
Type N Cable							•		•						HP 11500A



# ERRATA (Cont'd)

## **PERFORMANCE TESTS**

#### PROCEDURE:

1. Connect the test setup as shown in Figure 4-8. Make the following control settings.

608E/F:

MODULATION	
ATTENUATION	Maximum (lowest output level)
FREQUENCY RANGE	

8405A:

FREQUENCY RANGE — MHz	100 - 200
CHANNEL	A

- 2. Adjust the generator signal level for 0 dBm (read on vector voltmeter).
- 3. Switch voltmeter to CHANNEL B. Signal at INPUT shall be at least 30 dB below signal at output.

Reverse Isolation: > 30 dB

Page 4-11, Table 4-1 Add:

4-10	Reverse Isolation		
3	Reverse Isolation	dB	30

Page 5-2, Paragraph 5-8:

Change "Figure 4-1" to "Figure 5-1" in step 1.

Page 6-2, Table 6-2:

Change C2 to 0160-2049, C:FXD 5000 PF +80 -20% 500 WVDC, 28480, 0160-2049.

Page 8-9, Figure 8-4:

Delete line connecting CR8 and C4.



# CHANGE 1

Page 6-4, Figure 6-1: Change to read as follows:

# NOTE

STANDARD indicates new color scheme. OPTION X95 indicates complete old color scheme.

Figure 6-1. Cabinet Parts

2 5000-7891 SIDE COVER: 3x8, BLUE GRAY (OPTION X95) 3 5060-0247 FRAME ASSY 4 NOT ASSIGNED 5 5060-8553 TOP COVER: 5x8, OLIVE GRAY (STANDARD) 5 5060-0708 TOP COVER: 5x8, BLUE GRAY (OPTION X95) 6 08447-00002 REAR PANEL 7 5060-0727 FOOT ASSY 8 08447-00032 FRONT PANEL, MINT GRAY 9 5000-8569 BOTTOM COVER, OLIVE GRAY (STANDARD) 9 5000-0710 BOTTOM COVER, BLUE GRAY (OPTION X95)	3 4 5 5 6 7 8 8	5060-0247 5060-8553 5060-0708 08447-00002 5060-0727 08447-00032 08447-00033 5000-8569	FRAME ASSY NOT ASSIGNED TOP COVER: 5x8, OLIVE GRAY (STANDARD) TOP COVER: 5x8, BLUE GRAY (OPTION X95) REAR PANEL FOOT ASSY FRONT PANEL, MINT GRAY FRONT PANEL OPTION 001, MINT GRAY BOTTOM COVER, OLIVE GRAY (STANDARD)
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