

MODIFICATION AVAILABLE – PERFORMANCE ENHANCEMENT  
 CHARGEABLE TO CUSTOMER SERVICE / RELIABILITY  
 ENHANCEMENT CHARGEABLE TO CONTRACT IF THERE IS ONE.

## E8247C-05

# S E R V I C E N O T E

Supersedes:  
None

## E8247C PSG Analog Signal Generator

Serial Numbers: [0000A00000 / 9999Z99999]

### Adding option UNR to E8247C

To Be Performed By: Agilent-Qualified Personnel

#### Parts Required:

P/N	Description	Qty.
E8251-60085	10 MHz OCXO	1
E8251-60048	Ref. Board (UNR)	1

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
<b>MODIFICATION AVAILABLE</b>		
ACTION CATEGORY:	AGREEABLE TIME	X PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: 2 yrs before End of supprt
AUTHOR: SN      PRODUCT LINE: 15		
ADDITIONAL INFORMATION:		

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**Situation:**

To provide the ability to add a time base, option UNR to E8247C at Agilent service centers.

**Solution/Action:**

Installation of this option requires using information in the Assembly Replacement and Replaceable Parts section of the Service Guide for PSG Signal Sources Generator (E8251-90259).

There are three parts to installing the enhanced phase noise option UNR.

- I. Order and install hardware
- II. Adjust and performance test the instrument
- III. Pricing

**Hardware installation procedure:**

1. Order the part number from the parts list above that matches the instrument option
2. Remove the outer and inner covers following the steps outlined in the Assembly Replacement section of the Service Guide.
3. Remove the old standard A7 and install the new A7 (E8251-60048) assembly in the instrument using the Replaceable Parts section of the Service Guide as a reference.
4. Install A32, E8251-60085 10Mhz Crystal Oscillator (Option UNR) using the Replaceable Parts section of the Service Guide as a reference.
5. Hardware installation is completed after A32 installed.
6. Verify option is installed by pressing: [Utility] [Instrument info] [Diagnostic info] option UNR should display.

**Adjustments and Performance Testing:**

7. Perform the adjustments and performance tests listed in the Post Repair section of the Service Guide for A32 and A7 (UNR).

**Pricing:**

The price for upgrading to UNR may vary from service center to service center. But the minimum price the customer is to be charged for adding option UNR (parts and labor) must be equal to the price the customer would have to pay if the option were purchased with the instrument. The service center may choose to charge more than the price paid for the option at time the instrument was purchased.

Example: Opal price for option UNR at time purchase is \$8144.00. Upgrade cost  $\geq$  \$8144.00

520 & 540 hardware installation: 2 Hrs

520 & 540 performance tests: 2Hrs