

MODIFICATION AVAILABLE – PERFORMANCE ENHANCEMENT
CHARGEABLE TO CUSTOMER .

E8247C-03

S E R V I C E N O T E

Supersedes:
None

E8247C PSG Analog Signal Generator

Serial Numbers: [0000A00000 / 9999Z99999]

Adding an attenuator option 1E1 To E8247C

To Be Performed By: Agilent-Qualified Personnel
Only Agilent installable, not customer installable.

Parts Required:

P/N	Description	Qty.
RF output front panel models:		
Option 520:		
E8251-60104	ATTENUATOR BRKT CBL ASSY	1
Option 540		
E8251-60098	ATTENUATOR BRKT CBL ASSY	1
RF output rear panel (option 1EM) models:		
Option 520		
E8251-60105	ATTENUATOR BRKT CBL ASSY	1
Option 540		
E8251-60099	ATTENUATOR BRKT CBL ASSY	1

Situation:

To provide the ability to add an attenuator (option 1E1) to E8247C at Agilent service centers.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	X PERFORMANCE ENHANCEMENT [] SERVICE / RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	[] CUSTOMER INSTALLABLE [] ON-SITE X SERVICE CENTER	AVAILABLE UNTIL: 2 years before End of support
AUTHOR: DMC PRODUCT LINE: 15		
ADDITIONAL INFORMATION:		

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Solution/Action:

Installation of this option requires using information in the Assembly Replacement and Replaceable Parts sections of the Service Guide for PSG Signal Sources Generator (E8251-90259) and having access to the PC LAN and a valid IP address. There are 4 parts to installing the attenuator option 1E1.

- I. Order and install hardware
- II. Contact customer support to update the instrument's files
- III. Adjust and performance test the instrument.
- IV. 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 are outlined in the Assembly Replacement section of the Service Guide.
3. Remove the cable going between A24 High Band Coupler and the RF Output Connector.
4. Remove cables as necessary from the attenuator assembly and install the attenuator assembly in the instrument using the Replaceable Parts section of the Service Guide as a reference.
5. Hardware installation is complete after connecting the attenuator semi-ridge cables to the A24 Coupler and the RF Output, and the ribbon cable to J13 Attenuator connector on the MID Assembly and the attenuator securely screwed to the instrument.

Updating files:

Updating the files requires the instrument be connected to a PC LAN that can be accessed by the support engineer. The PC LAN can be inside or outside the Agilent's firewall.

6. Notify the support engineer by email at PGU, SOURCES of the model number xxx, serial number xxx, with options xxx installed, will be connected to the PC LAN at IP address xxxxxxxx, and needs option 1E1 installed. the date and time the instrument will be available on the PC LAN for updating. The support engineer will then reply letting you know if they are available on that date to do the updating.
7. To be able to access the instrument, the IP address, Subnet Mask, and Default Gateway must be loaded in to the instrument. After the instrument is connected to the PC LAN and turned on, the support engineer will be able to access it from his desk and update the files.
8. On the agreed upon date, connect the instrument to the PC LAN, turn it on and leave it for 24 hours or until notified the file update is complete.

Adjustments and Performance Testing:

9. Perform the Adjustments and Performance tests listed in the Post Repair section of the Service Guide for replacing the AT1.

Pricing:

The price for upgrading to 1E1 may vary from service center to service center. But the minimum price the customer is to be charged for adding option 1E1 (parts and labor) must be equal to the price the customer would have paid if the option were purchased with the instrument. The service center may choose to charge more than the price paid for the option at the time the instrument was purchased.

Example: Opal price for option 1E1 at time of purchase is \$3K. Upgrade cost \geq \$3K.

Estimated Time:

520 & 540 hardware installation: 2 Hrs

Option 520 Adjustments: 95 minutes, performance tests: 240 minutes

Option 540 Adjustments: 120 minutes, performance tests: 340 minutes