

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

E4438C-04

S E R V I C E N O T E

Supersedes:
NONE

E4438C ESG Vector Signal Generator

Serial Numbers: US00000000 – US99999999
MY00000000 – MY99999999

**Upgrading the High Stability Time base option 1E5 to an already existing
STANDARD Time base E4438C.**

To Be Performed By: Agilent-Qualified Personnel or Technically-Capable Customer

Parts Required:

P/N	Description	Qty.
E4400-60513	Reference Assembly	1

ADMINISTRATIVE INFORMATION

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

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Situation:

To provide the ability to add the High Stability Time base (Opt 1E5) to a STD Time base E4438C at Agilent Service Centers.

A E4438C can be changed from its current configuration of having a STD Reference to a High Stability Reference by just replacing the current STD Reference assembly with the High Stability (1E5) Reference assembly; P/N: E4400-60513. Customers who are SELF-MAINTAINERS this would be an upgrade they could perform themselves. Customers who choose not to do the upgrade themselves can request an Agilent Service Center to do the upgrade.

Solution/Action:

Removing and installing of the A18 Reference assembly requires using the Assembly Replacement and Replaceable Parts sections of the Agilent ESG Vector Signal Generator Service Guide (P/N: E4400-90511). There are 3 parts to installing the High Stability Time Base Reference option 1E5:

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

Hardware installation procedure:

1. Order the Opt 1E5 Reference assembly; P/N: E4400-60513.
2. Remove the outer and inner covers following the steps that are outlined in the Assembly Replacement section of the Service Guide.
3. Ensure line power is not connected to the unit, and then remove the A18 Reference assembly.
4. Install the new Opt 1E5 A18 Reference in the same location the previous A18 Reference assembly was removed.
5. Re-Install all covers using the correct hardware and torque requirements.

Pricing:

The price for upgrading to 1E1 may vary from Service Center to Service Center. The minimum price the customer is to be charged for adding Option 1E5 (parts and labor) must be at least equal or higher than the price the customer would have paid if the options 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 new.

Example: OPAL price for Option 1E5 at the current time of purchase is \$560. Upgrade should be \geq \$560.00. It is expected that future E4438C's will have Opt 1E5 as standard hardware to the box and therefore will have no purchase price associated with the option. In such a case, Service Centers will need to capture all appropriate costs in determining the final cost to the customer.

Estimated Time:

A18 Reference assembly removal and installation: 30 min.
Performance Verification: 4 hrs.