E4438C-08

S E R V I C E N O T E

Supersedes:
None

E4438C Vector Signal Generator

Serial Numbers: [0000A00000 / 9999Z99999]

Cleaning dust, dirt, and debris from ventilation holes and fans

Parts Required:

P/N	Description	Qty.

None

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:
INFORMATION ONLY
AUTHOR: MCC PRODUCT LINE: 15
ADDITIONAL INFORMATION:

Agilent Technologies

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Situation:
Some instruments are operated in environments that lead to a build up of dust, dirt, and debris in ventilation holes and on fan blades that block the air flow. Customers have complained that instruments are being returned with partly or completely blocked ventilation holes and fans.

Solution/Action:
Vacuum the instrument's ventilation holes and fan blades so proper air flow is restored.

1. Locate a vacuum. A suitable vacuum can be found on the web or purchased locally. As an example one such vacuum vendor can be found at **http://www.convac.co.uk/vacuum.htm** but other vendors are available. The only requirements for the vacuum performance are that it be EMI/RFI filtered and ESD safe.

2. Prior to cleaning, repairing, or calibrating the instrument, unplug the instrument.

3. Inspect the ventilation holes on the instruments external cover and rear panel and the fan intake and blades. If dusty and dirty, remove the dust and dirt using the vacuum.

4. If the external cover ventilation holes or fan blades do not need cleaning, skip steps 5 and 6 and the process is complete. If the external cover ventilation holes or fan blades needed cleaning continue with steps 5 and 6.

5. Remove external and internal covers. Locate are any internal fans, inspect, and clean if dusty or dirty.

6. Locate, inspect, and clean the power supply ventilation holes without removing any power supply covers. Power supplies are purchase parts and Agilent does not have permission to open up the power supply.