

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E8257D-03

S E R V I C E N O T E

Supersedes:
None

E8257D PSG Analog Signal Generator

Serial Numbers: US00000000/US44270325
MY00000000/MY44320800

Incorrect voltage rating on the Analog Mod Gen capacitor C480

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1.00 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AUTHOR: Dan McNamee		PRODUCT LINE: PL15	
ADDITIONAL INFORMATION:			

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Situation:

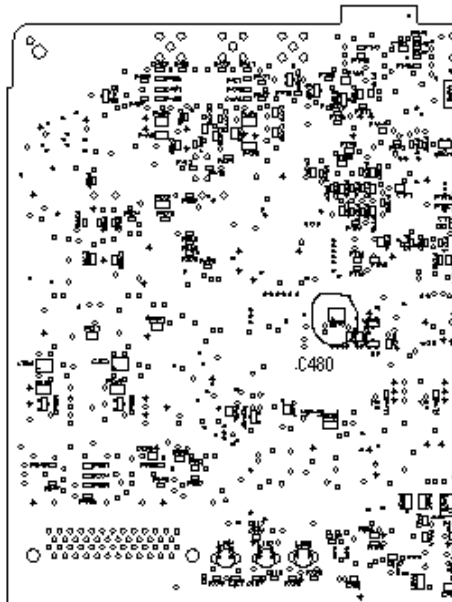
On Analog Mod Gen boards (E8251-60306) with VUF A0100, C480 a filter capacitor on a 15V line was loaded with a 10 V rated part. The capacitor needs to be removed and does not need to be replaced. Removing the capacitor will not cause any performance problems.

Solution/Action:

When in for repair and/or calibration, check the E8251-60306 VUF number. If the VUF number is A0100, the Mod Gen board needs to be removed and inspected. If the VUF number is A0101, C480 has been changed to the correct voltage rated capacitor and no further action is required. To check the Analog Mod Gen VUF number press “Utility”, “Instrument Info/Help Mode”, and “Installed Board Info”.

If the Analog Mod Gen VUF is A0100, remove the external and internal covers and the Analog Mod Gen. Instructions on removing covers is available in the Assembly Replacement section in the Agilent E8257D/67D PSG Signal Generator Service Guide.

C480 is not labeled but can be located in reference to VR451. On the bottom side of the Analog Mod Gen board locate VR451. If the board has not been reworked, slightly to the left of VR451 will be a larger black body surface mount capacitor with a white stripe. The device will be labeled with “10-10 MD” plus the company logo. If C480 is missing or C480 is a yellowish orange color, it was reworked and the VUF was not changed. Using an ESD safe station, remove C480 and re-install the Analog Mod Gen.



If the Analog Mod Gen was disconnected and removed from the instrument, run the performance tests listed for the A11 Analog Mod Gen in the Post-Repair Procedure of the Service Guide to make sure all cables were properly connected. No adjustments are required.