

MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

E4438C-11

S E R V I C E N O T E

Supersedes:

E4438C Vector Signal Generator

Between Serial Numbers: MY45090100 to MY45091273 and SG45090002 to SG45090047

Fails Residual FM performance test.

This service note only applies to instruments that do not have the Base band generator option (001, 002, 601 or 602) installed and are not option UNJ.

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
0180-5067	Capacitor (470 uF Tantalum)	(7)

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR: 1.0 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	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY: EOS	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: EOS	
AUTHOR: MW	PRODUCT LINE: 15		
ADDITIONAL INFORMATION:			

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Situation:

E4438C units that are not option UNJ and do not have the Baseband generator installed may fail the Residual FM performance test. If this happen, check the ESG output for spurs at 1 KHz offset from the carrier.

Solution/Action:

If the unit fails Residual FM, change the following Capacitors from 330 uF to 470 uF on the Mother board. Capacitors C317, C318, C319, C321, C475, C476 and C477

If parts are not available, Replace the Mother board E4400-60504

