

S E R V I C E N O T E

SUPERSEDES: NONE

E4431A Rf Signal Generator

Serial Numbers: See Below

Modification to improve performance**Duplicate Service Notes:**

E4400A-01 Serial Numbers: US37230227/US37230231, GB37040131, GB37040133

E4420A-01 Serial Numbers: US37230189/US37230196, US37230198

E4421A-01 Serial Numbers: US37230368/US37230378 US37230380/US37230382
US37230385, US37230388

E4422A-01 Serial Numbers: US37230169/US37230173

E4430A-01 Serial Numbers: US37230131/US37230132

E4431A-01 Serial Numbers: US37230199

E4432A-01 Serial Numbers: US37231151, US37231153/US37231155
US37231157/US37231188, GB37040183 GB37040185,
GB37040187, GB37040188

E4433A-01 Serial Numbers: US37230478/US37230496 US37230498/US37230499

To Be Performed By: Agilent-Qualified Personnel*Continued*

DATE: September 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 1.0 Hr. Assy: 6.0 Hrs Automated Adjust	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☒ SEE TEXT	USED PARTS: ☒ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		
AGILENT RESPONSIBLE UNTIL: Product's support life			
AUTHOR: JE	ENTITY: 5320	ADDITIONAL INFORMATION:	

Parts Required:

P/N	Description	Quantity
E4400-60007	Electronic Attenuator/RPP(NEW)	1
OR		
E4400-69007	Exchange Electronic Attenuator/RPP	1

Situation:

The wrong gasket installed in the electronic attenuator can short out a PCB via which will load down the +12 volt supply below +6 volts. This will trip the RPP in the attenuator. Once this happens, the customer or the Agilent service center cannot reset the RPP.

To aid troubleshooting this issue, a service technician can measure the +12 volt supply to the attenuator on A14J14 pin 14 on the CPU/Motherboard. This +12 volt supply should measure about +11.5 to +12.5 for a good attenuator. If the RPP is still tripped and A14J14 pin 14 reads +10 volts and below, this means that the attenuator gasket may have shorted out the PCB via?

Solution / Action:

Replace the electronic attenuator/RPP assembly and recalibrate the ESG/D Rf Signal Generator. For factory power level accuracy specifications, ship the unit to Agilent customer service center as described in the Agilent customer service center routing guide. Otherwise, the power level accuracy calibration may be performed with ESG Service software and procedure documented in the ESG/D Calibration Guides, ESG # E4400-90079/ESG-D # E4400-90084, to reduced specifications. All defective electronic attenuator /RPP's have been purged from inventory.