

S E R V I C E N O T E

SUPERSEDES: None

8563 E Series Portable Spectrum Analyzers with Option 001

Serial Numbers: See below

12.4 GHz Signal on 310.7 MHz IF Output

Duplicate Service Notes:

- 8560E-21 Serial Numbers: 3635A02450/3643A02650
- 8561E-17 Serial Numbers: 3635A01064/3641A01716
- 8562E-09 Serial Numbers: 0000A00000/3643A00240
- 8563E-21 Serial Numbers: 3635A05658/3645A06169
- 8564E-16 Serial Numbers: 3635A00584/3643A00661
- 8565E-16 Serial Numbers: 3635A00511/3643A00559

To Be Performed By: Agilent-Qualified Personnel, Customer

Parts Required:

P/N	Description	Quantity
1855-0974	Transistor, FET	1

Continued

DATE: January 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: Product's support life
AUTHOR: GPB	ENTITY: 5320	ADDITIONAL INFORMATION:

Situation:

Oscillations in the 310.7 MHz Second IF Stage can produce a signal at approximately 12.4 GHz at around -20 dBm on the Second IF Output. This situation does not violate any instrument specifications but it can interfere with some applications which require monitoring at the Second IF Output, such as wide band power measurement.

Solution / Action:

Change A15Q801 to the part number listed above. This is a surface mount part requiring special SMT equipment. If the equipment is not available, order the current version of the A15 RF Assembly.