

8562B-57

S E R V I C E N O T E

SUPERSEDES

HP 8562B Portable Spectrum Analyzer

Serial Numbers: 0000A00000/3115A00565

Duplicate Service Notes:

8561A-28
8562A-59

Frequency Counter Accuracy Improvement

Parts Required:

Qty	HP P/N	Description
1	0160-4554	Capacitor, fixed 0.01uF
1	0698-3447	Resistor, fixed 422 ohms

Situation:

Frequency counter accuracy can be degraded when instruments are operated at cold temperatures with an external reference. The inaccuracy is caused by ringing on the 10MHz signal being supplied to the A2 Controller assembly from the A15 RF assembly 10MHz distribution amplifier.

Continued

DATE: 1 June 1991

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 1.0Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	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: GPB	ENTITY: 5300	RESPONSIBLE ENTITY: 5300	UNTIL: June 1993
ADDITIONAL INFORMATION:			

Solution/Action:

The 0.01uF capacitor and the 422 ohm resistor are used on the A15 RF assembly. Remove the top and bottom Reference shields. Replace R327 with the 0.01uF capacitor. Solder the 422 ohm resistor in parallel with A15L304. Mount the resistor directly on top of the inductor making sure to allow clearance for the shield.