

S E R V I C E N O T E

SUPERSEDES: None

8561A Portable Spectrum Analyzer

Serial Numbers: 0000A00000 / 3115A00556

Duplicate Service Notes:

8561A-28

8562A-59

8562B-57

Frequency Counter Accuracy Improvement**Parts Required:**

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

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 1.0 Hour		
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:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: June 1993			
AUTHOR: GPB	ENTITY: 5300	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 the 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.