

S E R V I C E N O T E

SUPERSEDES: 8563E-01

**8563E Portable Spectrum Analyzer**

**Serial Numbers:** 3221A00185, 3221A00213, 3221A00218, 3221A0220, 3221A00227, 3221A00231

**Modification for Intermittent sampler unlock errors**

**Situation:**

An intermittent sampler unlock error (ERR 335 SMP UNLK) can occur with these instruments. The error occurs when the instrument's center frequency is stepped in such a manner that the sampler oscillator frequency is changed from 296MHz to 285MHz, and is due to an imbalance between the current sourced by A15U402A and the current sunk by A15U402B for a few milliseconds after the frequency change. The imbalance is due to a filter capacitor A15C430.

**Solution/Action:**

Remove capacitor A15C430. This is a through-hole capacitor and can be removed merely by cutting it out with wire cutters.

DATE: 05 February 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 Hours
LOCATION CATEGORY:	<input checked="" 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
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	AGILENT RESPONSIBLE UNTIL: 01 November 1994	
		ADDITIONAL INFORMATION:	