

S E R V I C E N O T E

SUPERSEDES: None

**8563A Portable Spectrum Analyzer**

**Serial Numbers:** 3147A01253 / 9999A99999

**Duplicate Service Notes:**

- 8560A-21
- 8561B-23
- 85629B-08
- 8563A-18

**Modified YTO adjustment**

**Situation:**

Performing the YTO adjustment as described in the Service Manuals or with TAM can result in a YTO UNLOCK error (301), especially as the instrument ages or is operated over temperature. This problem can be seen in instruments with firmware revisions 911108 and 920122.

The problem can also be seen if TAM is used to perform the YTO adjustment with instruments containing firmware 911108. Instrument firmware revisions 920122 and later have TAM firmware in the instrument. The TAM will not properly perform the YTO adjustment if the TAM firmware internal to the instrument is revision 920122.

DATE: 07 April 1992

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 1.0 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
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: 19 March 1994	
AUTHOR: GPB	ENTITY: 5300	ADDITIONAL INFORMATION:;	

**Solution/Action:**

For all of the above instruments, except 8560A option 002, change step 4 of the manual YTO Adjustment procedure to set the Center Frequency to 18.889297GHz instead of 18.8893GHz. For 8560A option 002, set the Center Frequency in step 5 of the 8560A Adjustment procedure to 299.5 KHz instead of 300KHz.

Do not perform the TAM YTO adjustment with these instruments with 85629B Revision F or lower unless the instrument contains internal TAM firmware later than revision 920122.