

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**85963A-1201**

# S E R V I C E N O T E

Supersedes:  
NONE

## 85963A Instability in Sweep

**Serial Numbers: Only as needed. To be performed when a variation at low end of spectrum is observed. The variation is more dramatic between 5 and 15 mhz. In most cases the deviation is between 1 and 2 db, extreme cases would exhibit themselves at 3 db and above. Perform this change only if the variation is observed.**

**Noise at low end of sweep caused by impedance change of ALC circuit that controls source output during blanking.**

**To Be Performed By: Agilent-Qualified Personnel Only**

**Parts Required:**

**P/N: 0160-7751      Description CS CE.010U 50B      Qty. 2**

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS: LABOR: 0.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL:	
AUTHOR: [initials]		PRODUCT LINE: [product line]	
ADDITIONAL INFORMATION:			

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**Situation:**

Noise at low end of sweep caused by impedance change of ALC circuit that controls source output during blanking.

**Solution/Action:**

Add two 0.01 microFarad capacitors (0160-7751) to RF Module #85961-63035-1 at the following locations: One in parallel with C114 (470pF) capacitor (new R/D C222) and one in parallel with C128 (new R/D C223)

Documents Affected

85961-60035-1 from revision M to N

85961-60035-2 from revision B to C

See PCO 65406 for more information