

S E R V I C E N O T E

SUPERSEDES: None

**346C Noise Source**

**Serial Numbers:** 0000A00000 / 3318A02406

A1 Current Regulator Board Assembly P/N 00346-60034

**Modification to eliminate 425MHZ spurious oscillations**

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

**Parts Required:**

Part No.	Description
1853-0213	A1Q1 Transistor 2N4236
0698-7205	A1R6 Resistor 51.1 OHM 1% .05W
0160-4574	A1C2 Capacitor 1000pF 100V

**Situation:**

The 346C noise sources within the above serial range can cause spurious oscillations when connected to the +28V, creating incorrect results when measuring frequencies of around 425Mhz and its multiples.

*Continued*

DATE: 11 April 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
<b>MODIFICATION RECOMMENDED</b>					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.50 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 checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: 11 April 1996		
AUTHOR: EM	ENTITY: 5300	ADDITIONAL INFORMATION:			



**Solution/Action:**

On the 00346-60034 board, change transistor Q1 to part number 1853-0213. Install the series combination of A1R6 and A1C2 from the anode of A1CR1 to ground.

**Note:** The anode end connects to the red wire. Connect the resistor end of this combination to the anode of A1CR1 and the capacitor end to ground. Re-assemble the unit and perform the operators checks per the operating/service manual.