L MULTIPLEX TERMINALS

LMX-1

J68775U PRIMARY FREQUENCY SUPPLY (PFS-1)

4-KHZ OUTPUT TEST

This section provides instructions for measuring output power of the J68775U primary frequency supply (PFS-1). This issue corrects the section number specified in Step 6 (b). Arrows are used to indicate changes. ***Equipment Test Lists are not affected.***

APPARATUS

Receiving Test Equipment (RTE), per Section 356-010-500, having the following input characteristics:

Frequency: 4 kHz

Power: +1.0 dBm (approximate)

Impedance: 135 ohms

3P20B Cord

305A Plug.

STEP	PROCEDURE

Caution: Transfer of the carrier supply will cause hits on data and telegraph service. Therefore, the number of transfers should be limited to minimize service interruptions.

1 Referring to Section 356-150-300, manually transfer the 4-kHz frequency supply to be tested out of service.

Caution: Do not proceed with this test until the green lamp A on the 4-kHz frequency supply to be tested is lighted.

2 At the J68857W 104.08-kHz pilot supply unit, if provided, insert an open circuit 305A plug into the TST jack (REG or STBY) adjacent to the BUS ON REG or BUS ON STBY lamp which is ***not*** lighted. This will prevent an accidental transfer of the 104.08-kHz pilot supply unit to the 4-kHz supply bus which is idle.

STEP	PROCEDURE
3	Prepare the RTE for a 135-ohm measurement of 4 kHz at a power of approximately +1.0 dBm.
4	At the channel carrier supply bay, connect the RTE to the OSC OUT jack of the 4-kHz primary frequency supply under test [patch (1), Fig. 1].
5	Measure the power at the OSC OUT jack. ***Requirement:*** +1.0 dBm ±3.0 dB
6	If the requirement of Step 5 is met, proceed to Step 7. If the requirement is not met, perform the following steps: (a) Perform electron tube tests per Section 356-150-501.

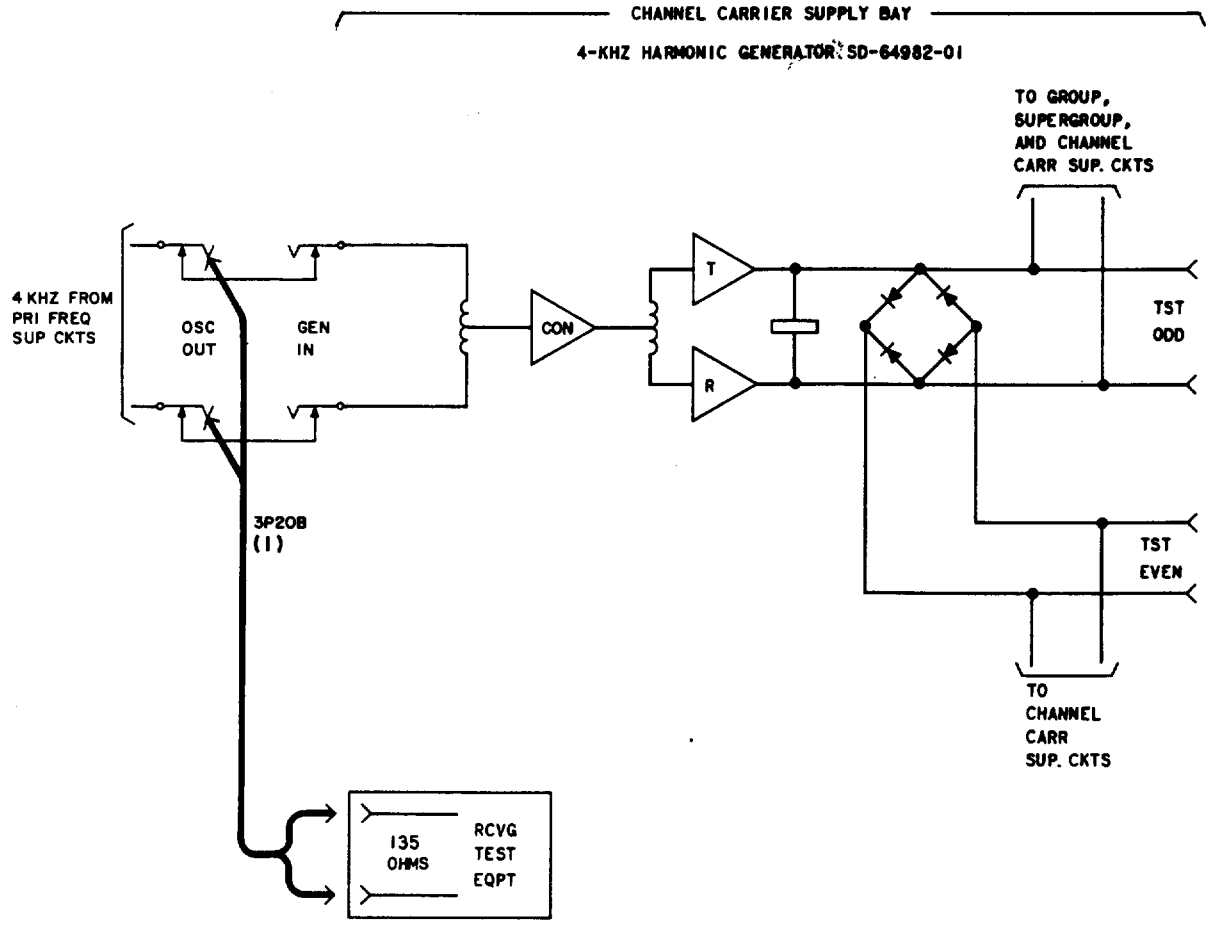

Fig. 1—Channel Carrier Supply Bay—Measurement of 4-kHz Output Power From Primary Frequency Supply

STEP	PROCEDURE
	(b) ◗Perform tests of the J68775AU impedance transformation and 4-kHz distributing circuit per Section 356-151-504.◖
7	Remove all patches and plugs.
8	Restore the 4-kHz primary frequency supply to NORM.