

**L MULTIPLEX TERMINALS**  
**LMX-1**  
**EMERGENCY PILOT SUPPLY**  
**EMERGENCY PILOT SUPPLY USING 57A OSCILLATOR**  
**TESTS**

Procedures for connecting the J64057A (57A) oscillator to the pilot distributing panel and checking its operation are described. These procedures supersede similar procedures described in Sections 356-081-501 and 356-081-502. *Equipment Test Lists are affected.*

**APPARATUS**

*Receiving Test Equipment* (Section 356-010-500) having the following characteristics:

Frequency: 308 to 8320 kHz

Power: -1.0 dBm

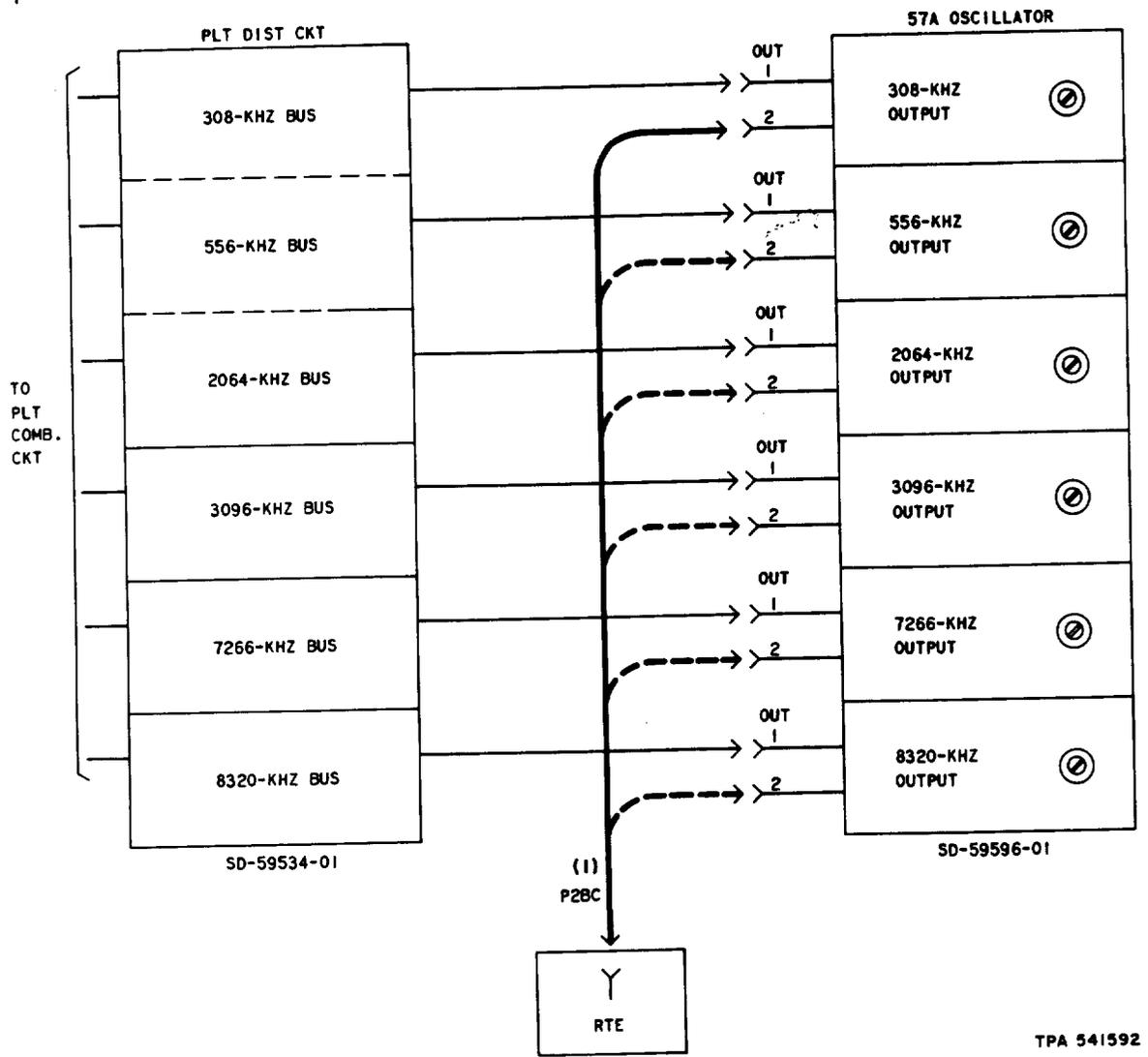
Impedance: 75 ohms

*P2BC Cord*

STEP	PROCEDURE
1	Calibrate the receiving test equipment (RTE) for a 75-ohm terminated measurement of -1.0 dBm at the frequency being measured (Fig. 1).
2	Make patch (1), Fig. 1 for the frequency being measured.
3	Read the RTE measurement.  <i>Requirement:</i> -1.0 dBm
4	If the requirement of Step 3 is not met, adjust the OUTPUT potentiometer on the 57A oscillator under test to meet the requirement.
5	Repeat Steps 1 through 4 for the remaining frequencies.
6	Connect the No. 1 outputs of the 57A oscillator to the pilot distributing panel per SD-59639-01 (Fig. 1).

**SECTION 356-180-501**

STEP	PROCEDURE
7	Momentarily operate the START key through the grid on the miscellaneous power panel associated with the 57A oscillator to assure regulation of the oscillator.
8	Measure and adjust pilots at the PIL TST jack per Section 356-180-502 covering the performance of the pilot distributing circuit.
9	Perform tests in Section 356-179-501 pertaining to the pilot combining circuits.
10	Perform tests per Section 356-176-501 covering the operational check of the emergency pilot alarm control circuit.  <i>Note:</i> Where it is required that the pilot generator be disabled, merely unplug the cable from the No. 1 output of the 57A oscillator.



**Fig. 1—Emergency Pilot Supply Using 57A Oscillator—Connecting and Measuring Patches**