L MULTIPLEX TERMINALS

LMX-1, MMX-1

CARRIER AND PILOT SUPPLY

520-KHZ HARMONIC GENERATOR CIRCUIT

520-KHZ OUTPUT TEST

This section provides procedures for in-service measurement of the 520-kHz harmonic generator output (Fig. 1).

This section is reissued to add a maintenance note to Step 4. ***Equipment Test Lists are not affected.***

APPARATUS

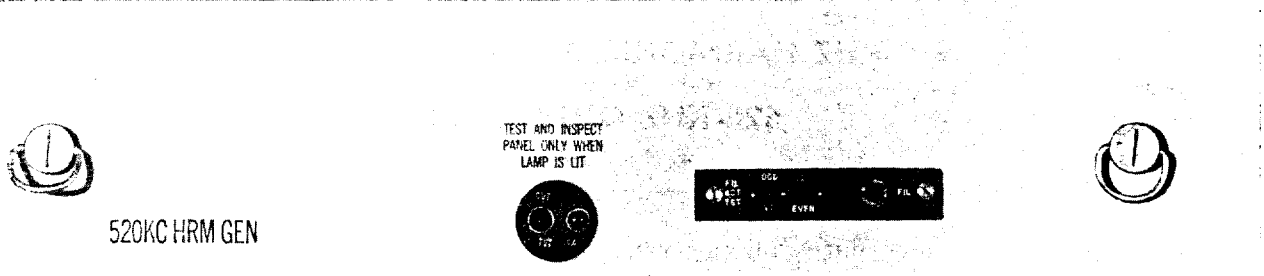
J64070B (70B) or J64074A (74A) Power Meter

P2BJ Cords, as required

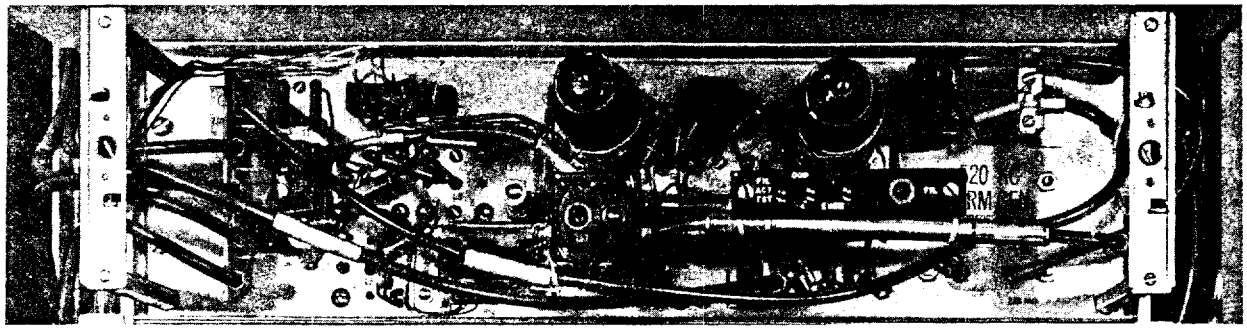
75-ohm Attenuator, adjustable in 1-dB steps

STEP	PROCEDURE
1	Prepare the power meter (PWR MTR) for a 75-ohm measurement at a power of +0.5 dBm.
2	Set the attenuator to 10 dB.
3	Make patches (1) and (2), Fig. 2.
4	Reduce the attenuator to 5.0 dB, and read the PWR MTR indication. ***Requirement:*** Not less than +0.5 dBm ***Note:*** If any jitter of the PWR MTR indication is observed, check capacitors C1 and C32 for proper adjustment at the correct resonance point as specified in Section 356-165-501, Chart 2.

STEP	PROCEDURE



A. WITH COVER



B. WITH COVER REMOVED

Fig. 1—520-kHz Harmonic Generator With and Without Cover

5 If the requirement is met, proceed to Step 6. If it is not met, perform tests in accordance with Sections 356-150-501 (Electron Tube Tests) and 356-165-501 (Primary Frequency Converter, Input and Output Measurements). Repeat Steps 1 through 4.

6 Remove patches (1) and (2), Fig. 2.

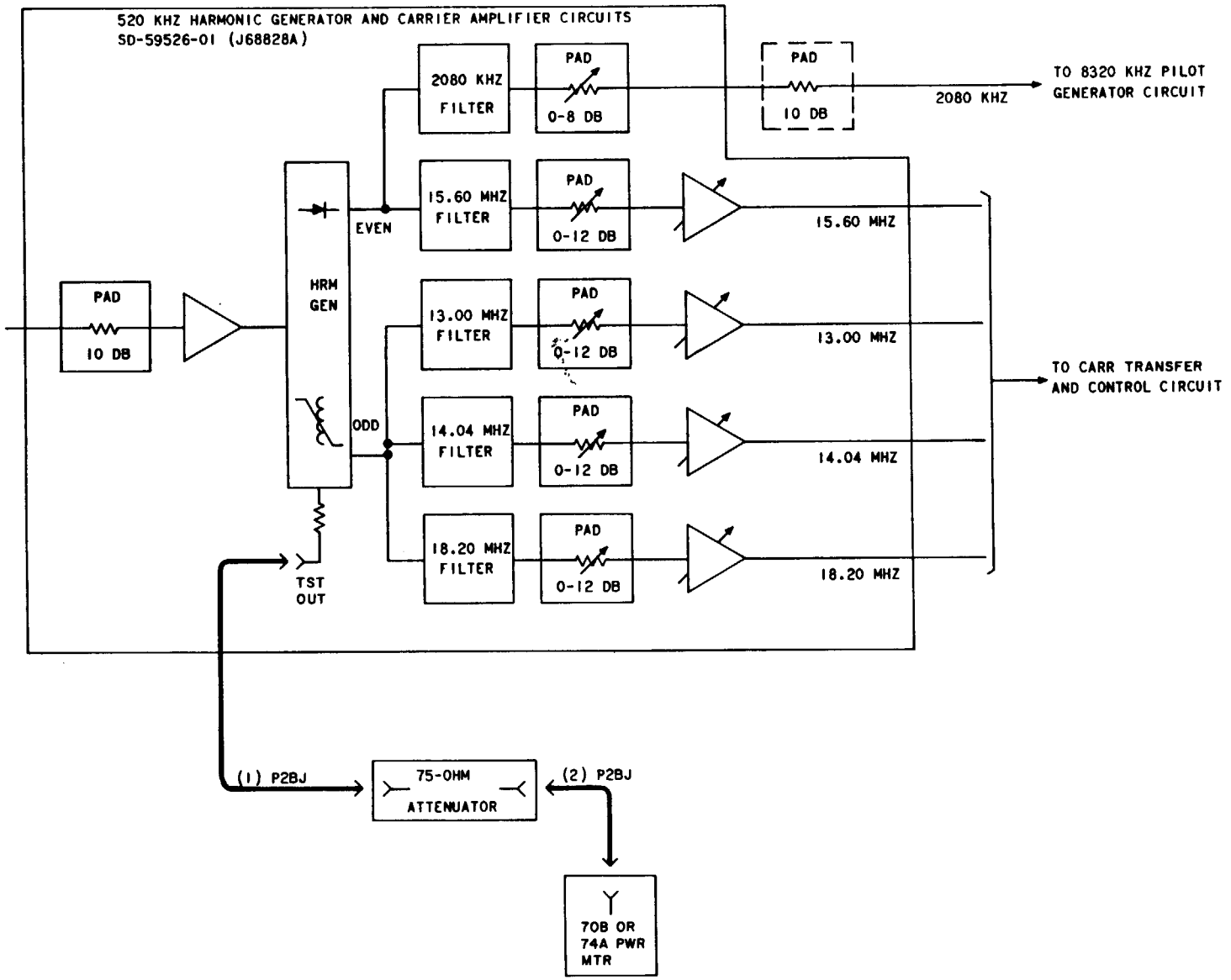


Fig. 2—Measurement of 520-kHz Harmonic Generator at TST OUT Jack