

L MULTIPLEX TERMINALS
J68775 CARRIER AND PILOT SUPPLY
4139-KHZ REFERENCE FREQUENCY SUPPLY
OUTPUT MEASUREMENT

This section provides a procedure to measure the power of the 4139-kHz reference signal.

It is issued as part of the general reorganization of the 356 division of practices and supersedes Section 356-087-501. *Equipment Test Lists are affected.*

The 4139-kHz reference frequency supply generates a 4139-kHz signal which is used as a reference to adjust the carrier frequency of the R3 and T3 television terminals. The 77-kHz input signal is modulated by a 2108-kHz carrier frequency. The resulting 4139-kHz modulation product is selected by a bandpass filter and fed to the 4139 KC REF jack.

APPARATUS

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

Input

Impedance: 75 ohms

Frequency: 4139 kHz

Power: -34 dBm

P2BJ Cords

STEP	PROCEDURE
1	Calibrate the RTE for a 75-ohm terminated measurement of 4139 kHz at -34 dBm.
2	Measure the power of the 4139-kHz signal at the 4139 KC REF jack [patch (1), Fig. 1]. <i>Note:</i> The 4139 KC REF jack is located in the T3 transmitting terminal jack field. <i>Requirement:</i> -34.0 dBm or greater (-33.0 dBm is greater.)
3	If the requirement is not met, investigate for trouble in connecting circuits.

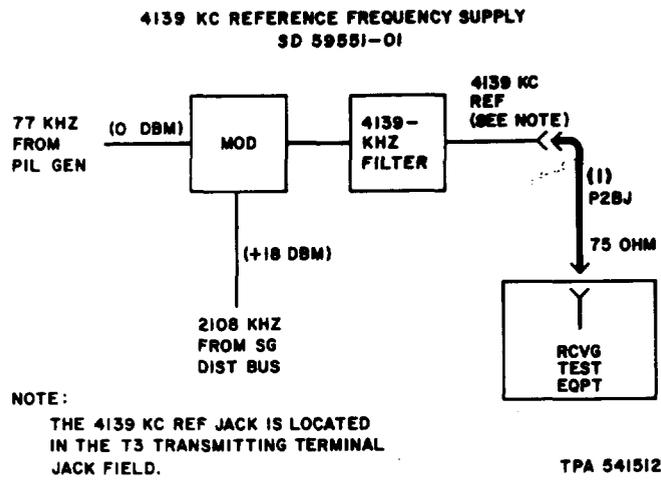


Fig. 1—Output Test—4139-kHz Reference Frequency