VOICE OPERATED SWITCHED GAIN REPEATER
TEST AND ADJUSTMENT

This section provides procedures for testing the J99338 voice operated switched gain repeater (VOSGR). The VOSGR is provided to enable testing and maintenance of the unigauge plant.

This section does not affect Equipment Test Lists.

The procedures given below are applicable to both versions of the VOSGR (see Section 332-131-100) and should be performed as required.

Since no field adjustment facilities are provided for the VOSGR, the plug-in units should be replaced when the following requirements are not met.

APPARATUS:

1—1000-Hz balanced 600-ohm oscillator with −35 dBm output level. The oscillator part of the J924021A (21A) transmission measuring set (TMS) is suitable for this purpose.

1—Detector, 600-ohm balanced input with a sensitivity of −35 dBm at 1000 Hz. The detector part of the 21A TMS is suitable for this purpose.

1—Volt-ohm-milliammeter (VOM), KS-14510, L1, or equivalent.

STEP	PROCEDURE
1	Connect the oscillator to terminals 14 and 15 on the odd-numbered positions, which are panel-stamped J( )A.
2	Adjust the oscillator output to −35 dBm.
3	Connect the detector to terminals 14 and 15 on the even-numbered positions, which are panel-stamped J( )B. ***Requirement:*** The detector should read −30.4 ±0.4 dBm.
4	Interchange the connections of the oscillator and the detector. ***Note:*** The oscillator output should remain at −35 dBm. ***Requirement:*** The detector should read −30.4 ±0.4 dBm.

STEP	PROCEDURE
5	With the oscillator and detector still connected, connect the VOM to terminals 3 and 4 (positive lead to 3) on the odd-numbered positions. ***Requirement:*** The VOM should read 4.2 $\pm$0.4 volts.
6	Remove all test connections.