

E-TYPE TELEPHONE REPEATERS MONITORING TESTS

This test checks that there is margin against repeater singing when the circuit is in the idle, signaling, or busy condition. The test can be made without interfering with the normal operation of the repeater. When the test is made on a repeater which is in use on a call, it also provides a monitoring check on the quality and level of transmission.

This section is reissued to add E-type telephone repeaters in the title, and to adapt the section for application to any E-type repeater by omitting references to the combination repeater.

APPARATUS:

- 1 — KS-14418 Headset equipped with
- 1 — 354A Plug — See note 1

STEP	PROCEDURE
1	Insert the 354A plug of the headset into either the C1 and P- or the C2 and P- jacks on the front of the E1 or E2 repeater.
2	Listen with the receiver and check that the repeater is not singing. <i>Note:</i> Do not confuse line or battery noise with singing.
3	When singing is heard, report the condition in the customary manner in order that the condition may be corrected.
4	When the repeater is not singing and a conversation is heard, observe that the speech is satisfactory in both directions of transmission.
5	Disconnect the monitoring headset.

Notes

1. It is not necessary to use a blocking capacitor or a shunt resistor with the KS-14418 headset for monitoring E-type repeaters, since the dc potentials at the monitoring points are less than 3 volts.