

21A TRANSMISSION MEASURING SET
(J94021A)
SIMPLE CALIBRATION CHECKING PROCEDURE

1. GENERAL

1.01 This section provides a simple calibration checking procedure. This information is on a card attachment which should be removed from the section, placed in a transparent envelope and attached to the handle of the 21A transmission measuring set. (Transparent envelopes suitable for a 3 in. by 5 in. card may be obtained from the Western Electric Company.) These checks should be made before the start of a test, or before the first of a series of tests, made with the set. These

checks are not complete assurance that the set is free from trouble but should be effective in calling attention to transmission difficulties of material magnitude.

1.02 Section E40.206, A702.614 gives full transmission checking procedures and other maintenance information for detecting and clearing troubles and maladjustments. These procedures should be followed periodically, as required, to assure the continuing accuracy of the set.

CHECK OF TRANSMISSION CALIBRATION	Attached to Issue 1 E40.206.1, A702.614.1
Check before a test or before first test of a series.	
1. Connect ac 115V. Ground test clip. Allow 10 min. warm-up.	
2. Set for 1000 cycles (FREQ MULT on X100; FREQ dial on 10.)	
3. Set DET INPUT and both OSC OUTPUT controls on red 0.	
4. With 2P14A or 3P14A cord, or equiv. 2- or 3-cond. cord, 241-type plugs, patch OSC OUT 600 Ω to DET IN 600 Ω jacks.	
5. Check that meter reads red 0 within 1 scale division.	
6. Turn DET INPUT control to white 0 and check that meter reads black 0 within 1 scale division.	
7. Turn both OSC OUTPUT controls to black 0 and check that meter still reads black 0 within 1 scale division.	
8. Turn FREQ MULT to X10 & X1000. Check that meter change is not more than 1 scale division in either position.	
Not complete assurance that there is no trouble. If checks disclose suspicion of trouble, make calibration checks and adjustments specified in Part 4 of E40.206. A702.614.	

Fig. 1 — Copy of Card Attachment

CHECK OF TRANSMISSION CALIBRATION

Attached to Issue 1
E40.206.1, A702.614.1

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