DATE 1-2-1963 SH. 1 OF 3 COMPILED BY NK/LC/hh	TMC SPECIFICATION NO. S - 10068-A	
	TITLE:	JOB
APPROVED		

TEST PROCEDURE FOR

MODE INDICATING DEVICE

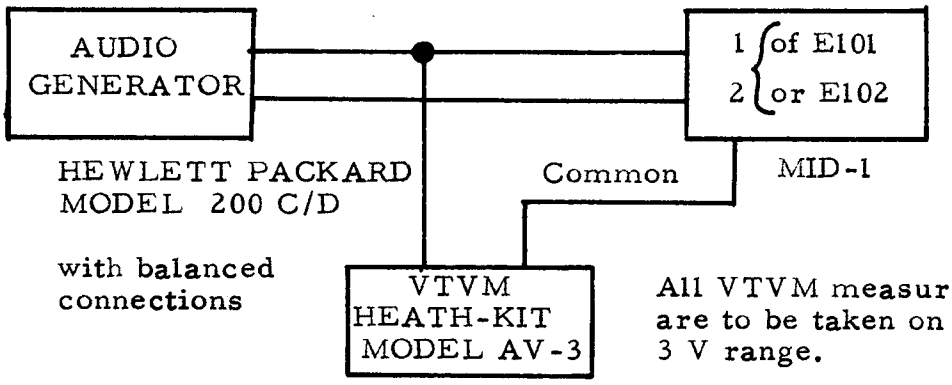
MODEL MID-1

T. M. C. (CANADA) LIMITED

OTTAWA ONTARIO

DATE 1-2-63 SH. 2 OF 3 COMPILED BY NK/LC/hh	TMC SPECIFICATION NO. S -10068-A	
	TITLE: TEST PROCEDURE FOR MID-1	JOB
APPROVED		

Inspect unit thoroughly for dry joints and good mechanical ground connections.



NOTE: Measurements taken at Terminal 1 of E101 to GROUND. Audio Generator is connected for balanced output.

1.) Set equipment up as shown in diagram above. For testing SSB channel connect audio lines to terminals 1 and 2 of E101.

2.) Set Signal Generator to 1000 c/s.

3.) Turn potentiometers R103 and R105 fully anticlockwise.

4.) Increase output control of Audio Generator slowly until relay K101 trips. The meter should read approximately 1.4V (-5 db). SSB indicating lamp should light up.

5.) Decrease output control of Audio Generator very slowly (as the drop-out action is delayed by approximately 2 1/2 seconds) until relay K101 trips. The meter should read approximately .80 V (-10 db). SSB indicating lamp should extinguish.

6.) Turn potentiometer R103 fully clockwise.

7.) Repeat step 4.
Meter should read approximately 1.0 V (-8 db).

8.) Repeat step 5.
Meter should read approximately 0.5 V.

9.) Turn potentiometer R105 fully clockwise.

10.) Increase audio output control quickly to approximately 2 V. The relay should trip after approximately 1 to 1 1/2 seconds.

11.) Change audio line to terminal 1 and 2 of E102.

12.) Turn potentiometers R110 and R112 fully anticlockwise.

13.) Increase output control of audio generator slowly until relay K102 trips. The meter should read approximately 1.4 V (-5 db).

14.) Decrease output control of Audio Generator very slowly (as the drop-out action is delayed by approximately 2 1/2 seconds) until relay K102 trips. The meter should read approximately .8 V (-10 db).

15.) Turn potentiometer R110 fully clockwise.

16.) Repeat step 4.
Meter should read approximately 1.0 V (-8 db).

17.) Repeat step 5.
Meter should read approximately 0.5 V.

18.) Turn potentiometer R112 fully clockwise.

19.) Increase audio output control quickly to approximately 2 V. The relay should trip after approximately 1 to 1 1/2 seconds. All meter readings should be within $\pm$ .3 V.

20.) Turn TEST switch to AM and check for correct indication.

21.) Turn TEST switch to SSB and check for correct indication.

REVISION SHEET

TMC (CANADA) LIMITED
OTTAWA ONTARIO

[illegible]

MODEL [illegible] PROJECT NO. __________

DATE	REV.	PAGE	ITEM	DESCRIPTION	REMARKS	CHK.	APP.
1/2/[illegible]	A	1/1		[illegible]		[illegible]	[illegible]