DATE 4/11/59 SH. 1 OF 8 COMPILED BY N.K.	TMC SPECIFICATION NO. S- 10026	
	TITLE: PRODUCTION TESTING OF MODEL TIS-2	JOB
APPROVED		

INSTRUCTIONS FOR THE

PRODUCTION TESTING

OF THE

MODEL TIS-2

DATE 4/11/59 SH. 2 OF 8 COMPILED BY N.K.	TMC SPECIFICATION NO. S - 10026	
	TITLE: PRODUCTION TESTING OF MODEL TIS-2	JOB
APPROVED		

The F/S and Tone Intelligence System, Model TIS-2, is a modified version of the Model TIS-1. The following instruction sheets of the Model TIS-1 can be used for production testing:

Model TST-2	see TMC Specification No. S-321
Model TTU-1	see TMC Specification No. S-320
Model TTF-2	see TMC Specification No. S-328

A new test procedure for the Model TTU-2 has been compiled on the following pages.

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	TITLE: PRODUCTION TESTING OF MODEL TTU-2	JOB TMC
APPROVED		

INSTRUCTIONS FOR THE

PRODUCTION TESTING

OF THE

MODEL TTU-2

DATE 4/11/59	TMC SPECIFICATION NO. S - 10026	
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APPROVED N. K.		

I N D E X

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APPROVED M. Ka		TDC

1. TEST EQUIPMENT REQUIRED

1. Power supply Model TST-2.

2. Counter Berkeley Model 5558 or equivalent.

3. AC VTVM Hewlett-Packard Model 410B or equivalent.

2. TEST INSTRUCTIONS

Proceed as outlined in paragraph 4, Test Sequence and Procedure.

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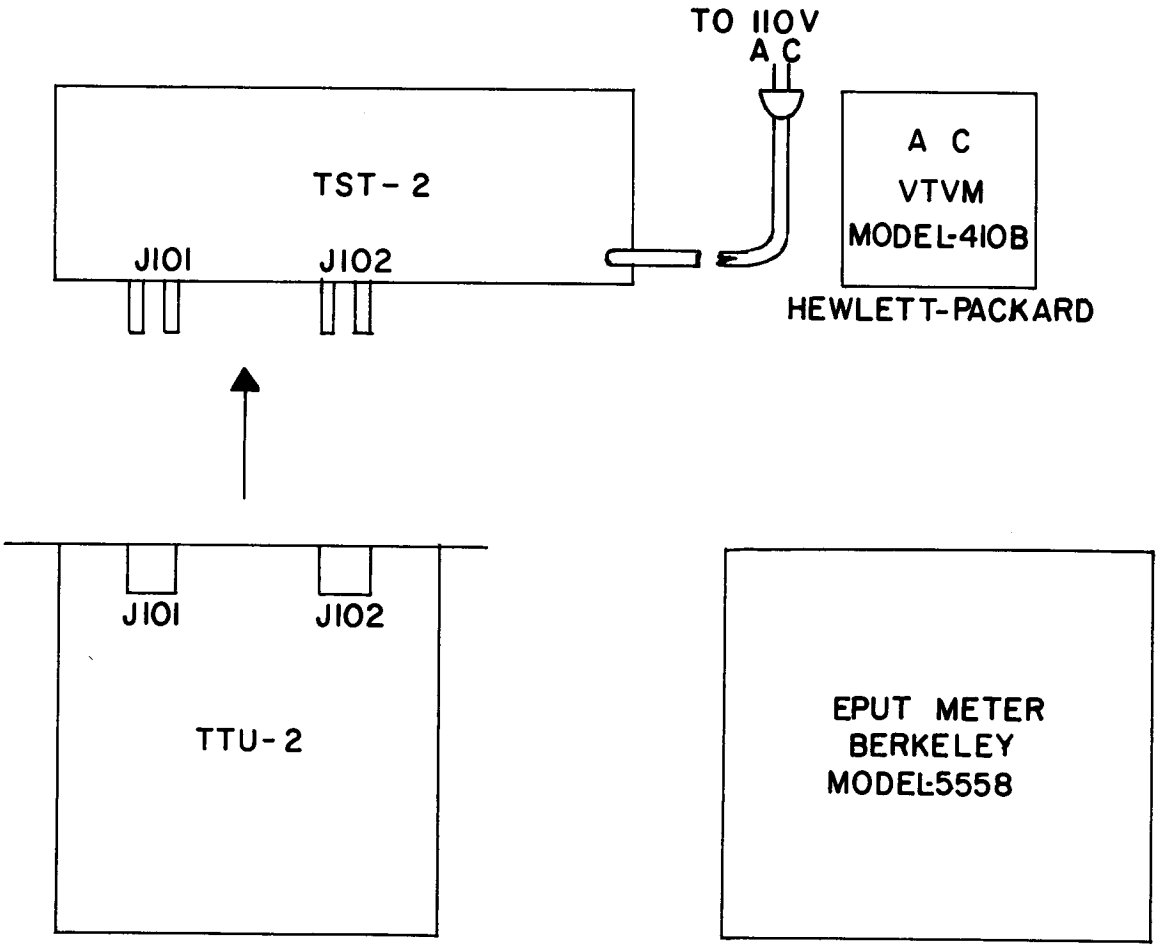
3. GENERAL INSTRUMENT LAYOUT



4. TEST SEQUENCE AND PROCEDURE

A. GENERAL AND VISUAL INSPECTION

1. Inspect the unit for obvious mechanical and electrical errors.

2. Be sure that all screws are tight.

B. FREQUENCY ADJUSTMENT AND OUTPUT TEST

1. Plug F/S transmit unit, Model TTU-2 into the pow r supply, Model TST-2.

2. Turn the output control R135 fully clockwise for maximum output.

3. Set C108 to one-half its value.

4. Connect a jumper from terminal 4 to 5 on E101.

5. Turn power on and allow a warm up time of approximately 30 minutes.

6. Connect counter to pin 7 of V102 and adjust C126 to a frequency of approximately 200.4 kc/s. If you cannot obtain the specified frequency set capacitor C126 at one-half its capacity and adjust C118 for the specified frequency.

7. Connect counter to junction of R110, R111 and R112. The frequency should be approximately 197.4 kc/s.

8. Connect counter to terminal 1 and 2 on E101 and adjust C108 to a mark frequency of 2975 c/s.

9. Disconnect jumper from terminal 5 on E101 and adjust R119 to the specified frequency shift.

10. Connect jumper again to terminal 5 on E101. If th mark frequency is not 2975 c/s readjust C108.

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APPROVED M. Kr.		

11. Repeat steps 9 and 10 until the correct frequency shift and mark frequency are obtained.

12. Measure the output voltage in mark condition with a VTVM. It must exceed 0.45 V.

The unit which has met the specifications above must be placed in its final form with cover plates etc. and prepared for shipment.