

DATE 2 July 1964

SHEET 1 OF 5

TMC SPECIFICATION NO. S-842

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ML
COMPILED

gab
CHECKED

TITLE: TEST PROCEDURE FOR FX-167

APPROVED *RJC*

TEST PROCEDURE

for

FX-167

DATE 2 July 1964

SHEET 2 OF

TMC SPECIFICATION NO. S-842

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TITLE: TEST PROCEDURE FOR FX-167

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1. TEST EQUIPMENT REQUIRED:

- a. Signal Generator - HP-606A or equivalent.
- b. A-c Voltmeter - Ballantine 314 or equivalent.
- c. Frequency Counter - HP-5244L or equivalent.
- d. Attenuator - Daven Model TG-950 or equivalent.
- e. Power Supply - Lambda Model 25 or equivalent.
- f. Test Jig for FX-167.
- g. T-connector BNC, UG-274/0., Test Case, Glyptal.

2. PRELIMINARY:

- a. Inspect units to be tested for obvious mechanical defects.
- b. Connect power supply and test equipment to test jig as per drawing.
- c. Connect T-connector to Signal Generator output.
- d. Connect one end of T-connector to frequency counter.
- e. Connect other end of T-connector to input of attenuator.
- f. Connect output of attenuator to input of test jig.
- g. Turn voltage regulator to zero on power supply.
- h. Connect Simpson to d-c output lugs on power supply - use 1000V scale.
- i. Turn on power supply and adjust for 250V indication on Simpson meter.
- j. Disconnect Simpson meter.
- k. Set up Signal Generator as follows:
 - 1) Output 1 volt range.
 - 2) Adjust output meter for .5 volts.
 - 3) Frequency 455 kc as indicated on frequency counter.
- l. Use 16 db attenuation in Daven Attenuator.
- m. Plug unit to be tested into jig after mounting into test case.

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SHEET 3 OF

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3. PROCEDURE:

- a. Turn top slug to full out position.
- b. Ground test Point 2.
- c. Connect Ballantine to test Point 1 - use 1 volt scale.
- d. Tune bottom slug for maximum indication on Ballantine.
- e. Remove ground from test Point 2.
- f. Tune top slug for dip as indicated on Ballantine.
- g. Remove Ballantine from TP1 and connect to TP3. Meter should read between 8 and 16 db.
- h. Vary Signal Generator up in frequency until a change of 3 db down is indicated on Ballantine. Note: FREQUENCY MUST BE AT LEAST 463 KC. Record on Test Data Sheet.
- i. Vary Signal Generator down in frequency past 455 kc for another change of 3 db down. Note: FREQUENCY MUST BE AT LEAST 447 KC. Record on Test Data Sheet.
- j. Remove tested unit from test jig and remove test case.
- k. Glyptal both tuning slugs to prevent slippage by applying Glyptal with small brush.

THIS COMPLETES TEST

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SHEET 4 OF 4

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THE TECHNICAL MATERIEL CORPORATION
700 FENIMORE RD.
MAMARONECK, N.Y.

TEST DATA SHEET

SERIAL NO.: _____

MFG. NO.: _____

1. (3-h) FREQ _____

2. (3-i) FREQ _____

DATE _____

TESTER _____

DATE 2 July 1964

SHEET 5 OF

TMC SPECIFICATION NO. S-842

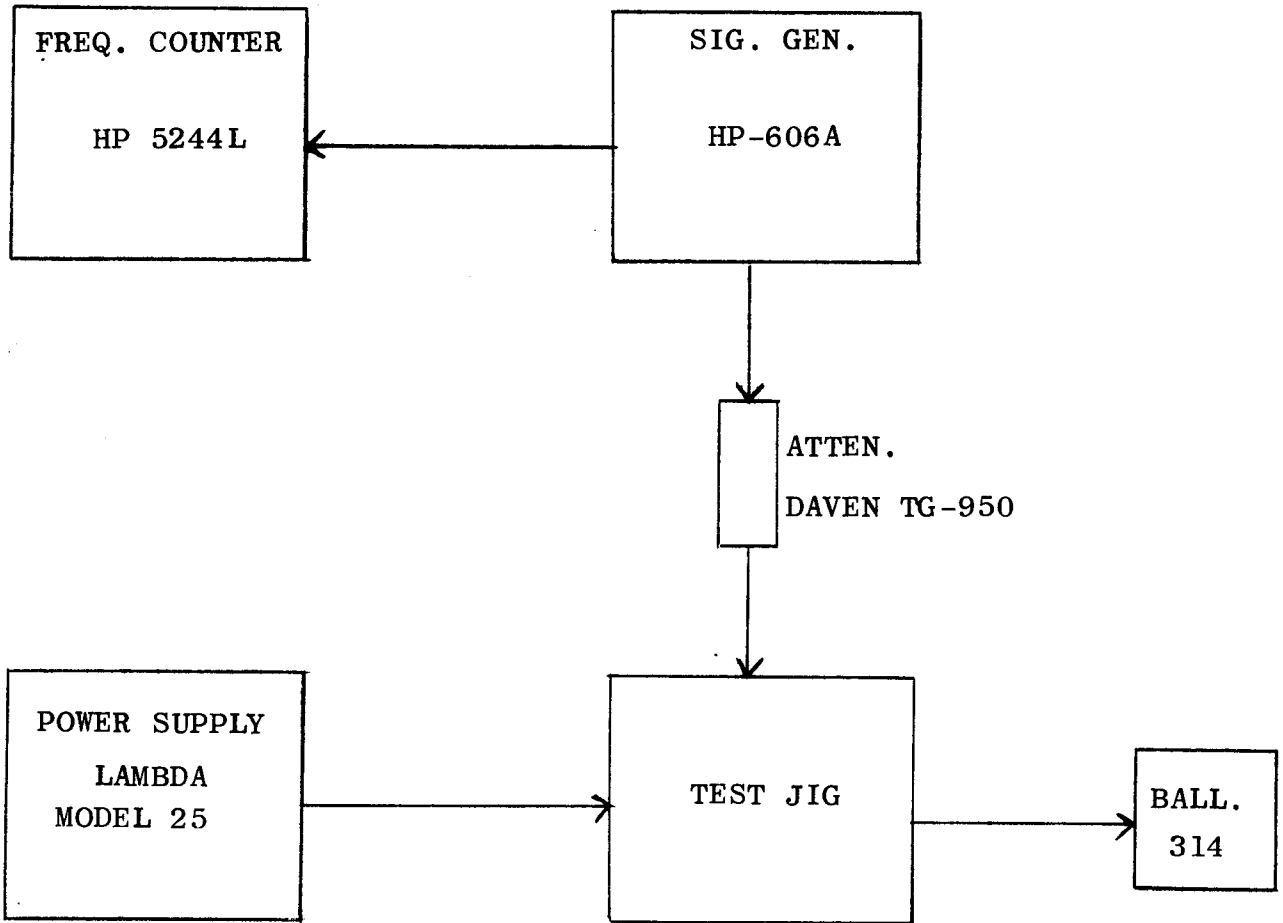
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TITLE: TEST PROCEDURE FOR EX-167

APPROVED



TEST SET UP

