DATE 11/19/63	TMC SPECIFICATION NO. S-802	
SHEET 1 OF 4		
RJE COMPILED / N.P. CHECKED	TITLE:	
APPROVED BP		

AX-466 TEST PROCEDURE
(MAF-1)

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 459M 6444

DATE 11/19/63 SHEET 2 OF 4	TMC SPECIFICATION NO. S-802	
RJE COMPILED / CHECKED	TITLE: AX-466 TEST PROCEDURE	
APPROVED	(MAF-1)	

I TEST EQUIPMENT (OR EQUIVALENT)

A. Counter, Berkeley Model 5500. or equivalent.
B. AC VTVM, Ballantine Model 314. or equivalent.
C. Audio Generator, Hewlett Packard 200 AB or equivalent.
D. Resistors ($\frac{1}{2}$ watt), 1.5K, 2.2K, 810, and 1K.

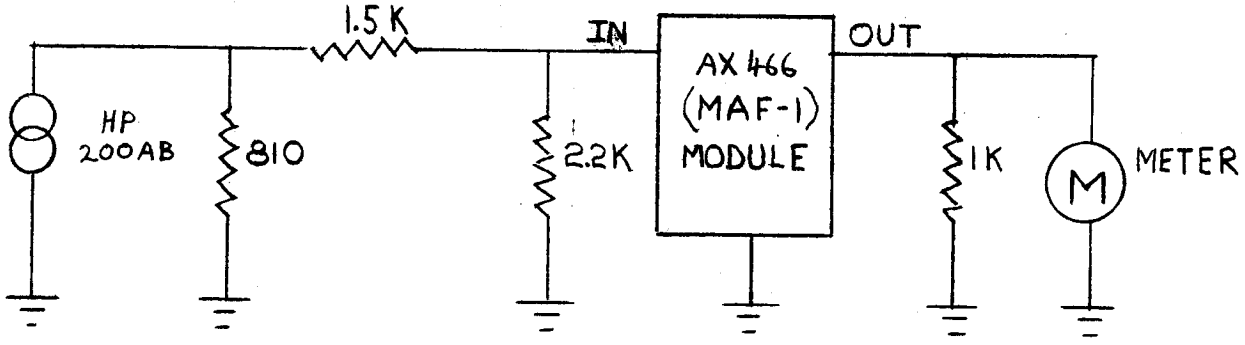
II PRELIMINARY

A. Check for mechanical defects, such as ganged switch alignment, loose couplings, etc.
B. Insure all knobs are located in their first position, (i.e. LOW CUT-OFF in OUT position and HIGH CUT-OFF in .1KC position and their respective switch wafers are in the first position.

III TEST SET-UP

A. Connect audio input thru the pad to the AUDIO IN jack, J-6401: The load and metered output to J6402 as in figure 1.

FIGURE 1



B. Set front panel switches to OUT position, and the audio generator to 1KC at 1.0 volt (0db reference point) across the 1K load resistor.
C. After setting the 0db reference point as in III B measure the input voltage to the MAF-1. (After the Pad). Both voltages should be the same.
D. Place the High Cut-Off switch to the 2.5KC position There should be practically no change in voltage. This is the insertion loss: it should be less than 1db. Record this value in the test data sheet.

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IV. TESTING OF THE HIGH CUT-OFF FILTERS

A. Place the HIGH CUT-OFF switch to the .1KC position. Set audio generator frequency 20% below this frequency. Increase the audio generator frequency and record the 3db drop-off point in the test data sheet. Continue variation of the audio oscillator to the 60db drop-off point to insure a continuous decline in attenuation of the higher frequencies beyond the 3db drop-off points.

B. Repeat IV.A with the remaining positions on this switch, then return to the OUT position.

V. TESTING OF THE LOW CUT-OFF FILTERS

A. Place the LOW CUT-OFF swithc to the .1KC position. Set audio generator frequency 20% above this frequency. Decrease the audio generator frequency and record the 3db drop-off point in the test dat sheet. Continue variation of the audio socillator to the 60db drop-off point to insure a continuous decline in attenuation of the lower frequencies beyond the 3db drop-off points.

B. Repeat V.A with the remaining positions on this switch, then return to the OUT position.

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THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

AX-466 TEST DATA SHEET (MAF-1)

MFG. NO. _____

A. MECHANICAL _____ OK.
B. INSERTION LOSS _____ DB..
C. Below is a chart with the 3db drop-off points on the different switches in their respective positions.

SWITCH POS. IN KCS	HIGH CUT-OFF -3db POINT
.1	KC
.25	KC
.5	KC
1	KC
2.5	KC
	LOW CUT-OFF -3db POINT
.1	KC
.25	KC
.5	KC
1	KC
2.5	KC

DATE _____

TESTER _____

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