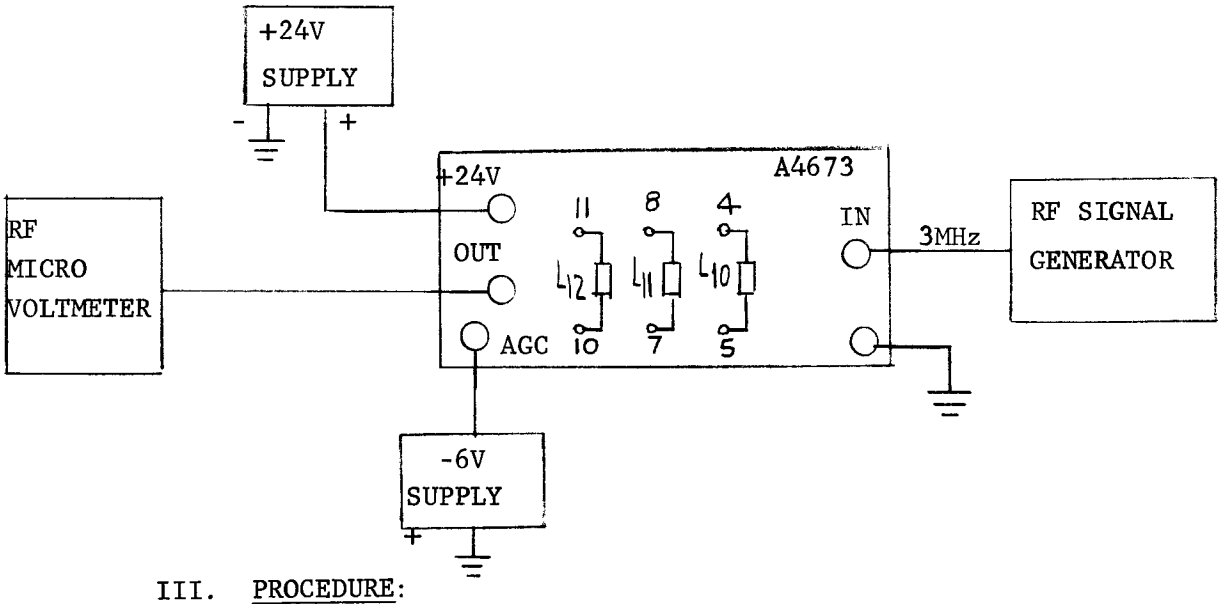
I. EQUIPMENT REQUIRED:

RF SIGNAL GENERATOR
RF MICRO VOLTMETER
+24 VOLT POWER SUPPLY
-6 VOLT POWER SUPPLY (ADJUSTABLE)
THREE (3) RF COILS (5.6 mh FOR L10, L11, & L12)

II. PRELIMINARY:

HOOK UP EQUIPMENT AS SHOWN BELOW



III. PROCEDURE:

1. Set the RF Signal Generator to 3MHz with a level of 300 u volts.

2. Set the +24 volt power supply on.

3. Set the -6 volt Power Supply on and adjust its output to 0 volts.

4. Tune C6, C12, and C24 for maximum indication on RF microvoltmeter at 3MHz.

5. GAIN - The Gain of the A4673 RF Amplifier Board should be 30db or greater.

For Example: With a 300u volt input, the output should be greater than 10 millivolts. Record the results on the Test Data Sheet.

6. AGC - Adjust the RF Signal Generator Level (input to the RF Amplifier A4673) for an output reference level of 0db on the .03 volt scale of the RF millivoltmeter.

7. Increase the input signal level by 10db.

8. Adjust the level of the negative six (-6V) volt power supply to obtain the same reference voltage level as obtained in step six (6) above. Record the voltage reading on the Test Data Sheet.

9. The AGC voltage should not be higher than -5.5 VDC for a +70db range.

TMC SPECIFICATION

NO. S-1368

REV:

COMPILED: | CHECKED: | APPD: | SHEET 1 OF 1

TITLE: RF AMPLIFIER A4673

TEST DATA SHEET

GAIN _____ db. (REQ. 30db or greater)

AGC DATA

SIGNAL INPUT LEVEL	AGC VOLTAGE	RANGE
_____	0 VDC	0db
_____	_____ VDC	+10db
_____	_____ VDC	+20db
_____	_____ VDC	+30db
_____	_____ VDC	+40db
_____	_____ VDC	+50db
_____	_____ VDC	+60db
_____	_____ VDC	+70db (REQ. 70db Range less than -5.5V)

TESTED BY _____

DATE _____

ACCEPTED _____ REJECTED _____