TMC SPECIFICATION

NO. S - 961

REV: 0

COMPILED: RDV | CHECKED: | APPD: May 5/28/65 | SHEET COVER OF 4

TITLE:

Typed by mtp 5/28/65

TEST PROCEDURE

for

AFCR-3

TMC SPECIFICATION				NO. S - 961
REV: 0				
COMPILED: RDV	CHECKED:	APPD:	SHEET 1 OF 4	
TITLE: TEST PROCEDURE FOR AFCR-3				
Typed by mtp 5/28/65				

NOTE:

This test procedure is supplemented by Test Procedure S-679 for AFC-3 to form a complete test procedure for the AFCR-3.

A. EQUIPMENT REQUIRED

1. S-679 Test Procedure for AFC-3.
2. AFCR-3 Test unit and inter-connecting cable.
3. Schematic CK-390.
4. VOM Simpson Model 260 or equivalent.
5. All additional equipment required in S-679.

B. ELECTRO MECHANICAL CHECKOUT

1. Test Unit:

Set BATTERY switch ON-OFF to OFF; MODE switch., AM-SIDEBAND to SIDEBAND; and POWER switch ON-OFF to OFF.

2. Connect the interconnecting cable between the test unit and the AFCR-3.
3. Rotate the Tuning Knob on the AFCR-3 fully clockwise until stopped by resistance pot R5131.
4. Set the BATTERY ON-OFF switch to ON.
5. Adjust METER ADJUST on the test unit until meter reads "100".
6. Rotate the Tuning Knob fully counter-clockwise until stopped again by R5131. Meter should now read "0".
7. Rotate the Tuning Knob clockwise until the meter reads "50"; i.e. dead center.

B. ELECTRO MECHANICAL CHECKOUT - Cont'd

8. Release the two Allen screws on the front section of the flexible coupling, and rotate the tuning knob until the white pointer coincides with the zero mark (0) on the front panel.

9. Re-tighten both Allen screws without disturbing any shaft settings.

10. Set the power switch on the test unit to ON.

11. Move and hold the motor switch lever to the left on test unit, and observe the pointers on the tuning knob and meter moving to the left side (CCW).

12. The time it takes the pointer on the tuning knob to move from zero (0) to -3KC should not exceed 15 seconds.

13. Move, and hold, the Motor switch lever to the right. Observe th pointers on the tuning knob and the meter moving to the right (CW). The time it takes the pointer on the tuning knob to move from -3KC to +3KC should not exceed 30 seconds.

14. Connect the VOM between the center conductors of J5017 and J5018, and measure zero (0) resistance.

15. Disconnect the meter lead from J5018 and connect it to ground. Measure infinite resistance to ground.

16. Set the MODE switch to AM and measure 15 ohms to ground.

17. Re-connect the meter lead to J5018 and measure 270 ohms.

18. Connect the VOM across the red RESET button on the AFCR-3.

19. Push the red RESET button on the test unit and read zero (0) r sistance on the meter.

20. Connect the power cable to the AFCR-3. Wh n the fade light on the AFCR-3 is off, the fade light on th test unit should be off.

B. ELECTRO MECHANICAL CHECKOUT - Cont'd

21. When the fade light on the AFCR-3 is made to go on, the FADE LIGHT on the test unit should be on.

22. Proceed testing the AFCR-3 according to Test Specification S-679.

TEST DATA SHEET

for

ELECTRO MECHANICAL SECTION

SERIAL NO.: _____

MFG. NO.: _____

1. Meter Readings 100-50-0 _____ OK
2. 15 and 30 second test _____ OK
3. AM-SSB Resistance Measurements _____ OK
4. Reset Test _____ OK
5. Fade Light Test _____ OK

DATE: _____

TESTER: _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S-961 0
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
6/1/65		1 of 4		O=ORIGINAL RELEASE FOR PRODUCTION.	

TMC FORM MLR-1 2-65—AINS.