

# TMC SPECIFICATION

NO. S 1060

REV: 3

COMPILED:

RRH

CHECKED:

APPD:

*ANN*  
*1/11/66*

SHEET

1

OF

6

TITLE:

Typed by mtp 1/11/66

TEST PROCEDURE

for

DDR-7H

# TMC SPECIFICATION

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SHEET 2 OF

TITLE: TEST PROCEDURE - DDR-7H

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## A. INTRODUCTION

The DDR-7H is a receiver system designed primarily for reception of signals in the frequency range of .54 to 31.5 mcs in AM, CW and SSB modes.

## B. COMPONENT PARTS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>TEST SPEC.</u>
1.	RAK-4 Cabinet	-----
2.	LSP-4 Loudspeaker Panel	-----
3.	GPR-90RXD General Coverage Receiver	S-561
4.	MSR-4 Sideband Converter	S-381

It is assumed that all component parts have been tested and inspected individually before the system is tested as a whole.

## C. EQUIPMENT REQUIRED

R.F. Signal Generator, Measurements Model 82 or equivalent.

## D. PROCEDURE

1. Connect the a-c line cord from the GPR-90RXD. (MSR-4 is plugged into auxiliary a-c socket on GPR-90RXD.)

2. Connect the signal generator output to the "72  $\Omega$  ANT" connector (BNC) on the GPR-90RXD.

3. Set the signal generator output at 5 mcs, modulated by audio tone.

\* 4. Turn on the GPR-90RXD and MSR-4. Red indicator light on MSR-4 should light, and dial lights in the GPR-90RXD should light.

5. Set the controls on the GPR-90RXD as follows:



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D. PROCEDURE - Cont'd

6. Set the controls on the MSR-4 as follows:

<u>CONTROL</u>	<u>SETTING</u>
SIDEBAND	XTAL-UPPER
BFO	OFF
NOISE LIMITER	ON
AUDIO GAIN	As required

\* 7. Adjust signal generator until tone is heard in the loudspeaker, equal in frequency to the modulating tone of the signal generator.

\* 8. Switch the SIDEBAND CONTROL of the MSR-4 to LOWER. The tone in the loudspeaker should disappear until the frequency of signal generator is readjusted.

\* 9. Turn off the modulating tone in the signal generator and turn BFO control of the MSR-4 to ON. Change AVC control of MSR-4 to SLOW. CW signal should now be heard in the loudspeaker.

\* 10. Change SIDEBAND control to UPPER. The CW beat should disappear until frequency of signal generator is re-adjusted.

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THE TECHNICAL MATERIEL CORP.

MAMARONECK, N.Y.

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DDR-7H TEST DATA SHEET

SERIAL NO.: \_\_\_\_\_

MFG. NO.: \_\_\_\_\_

D4	Power on GPR-90 & MSR-4	_____	OK
D7	AM Reception, USB	_____	OK
D8	AM Reception, LSB	_____	OK
D9	CW Reception, LSB	_____	OK
D10	CW Reception, USB	_____	OK

TESTER: \_\_\_\_\_

DATE: \_\_\_\_\_