

DATE 8-3-61
SH. 1 OF 3

TMC SPECIFICATION NO. S-593

COMPILED BY
W. EVERETT

TITLE: TEST PROCEDURE SYM-1084

JOB

APPROVED



1. Inspect the system for any observable mechanical or electrical defects. Check slides and rear door for smooth mechanical operation.
2. Check calibration of VOX-5 at 2000, 2500, 3000, 3500, and 4000 kc.
3. Perform the receiver sensitivity check as shown in figure 1. The frequencies used are 2 Mc, 4 Mc, 8 Mc, 16 Mc, and 28 Mc. Note that the output of both MSR-4 units must be measured. Sensitivity must be better than 1 microvolt for 10 db S+N/N.
4. Tune the receiver to one signal generator frequency and check the CFA for proper operation. The cathode ray tube MONITOR must show the signal.
5. Connect a 2000 ohm 10 watt resistor (TMC Part No. RW-109-28) between terminals 8 and 9 of the CFA. Turn the switch to MARK. A reading of at least 70 ma. must be observed on the PSP-1 OUTPUT CURRENT meter when the control is advanced fully clockwise. Turn the switch to SPACE. No reading should be observed.
6. Operate the TIS-3 and check the SBE-2 meter for full audio level. At least 0 db should be observed on the SBE-2 meter.
7. Complete the test procedure normally used for the SBT-1K.

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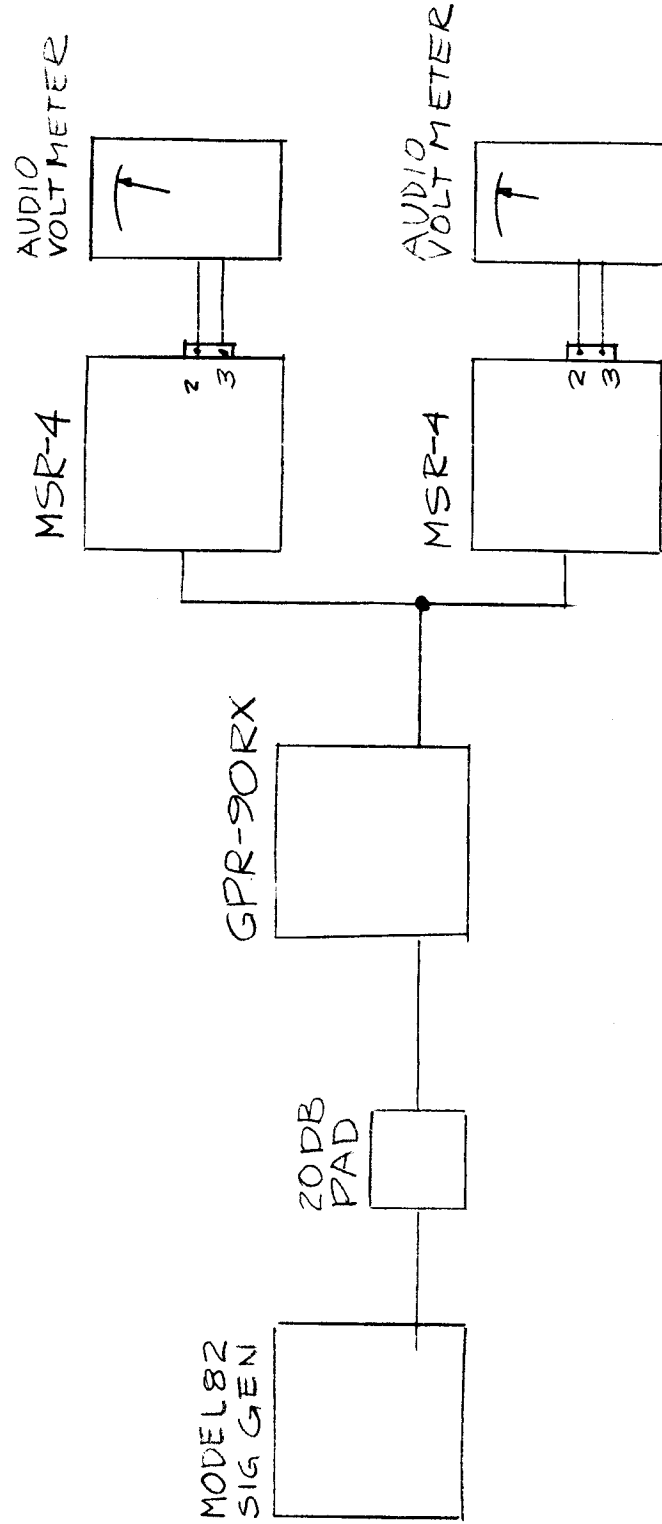


FIG. 1 RECEIVER SENSITIVITY

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1. Mechanical and electrical inspection _____

FREQ	ERROR
2000 KC	CPB
2500	
3000	
3500	
4000	

2. VOX-5 Calibration

FREQ	SENSITIVITY
2 Mc	μV
4	
8	
16	
28	

3. Receiver Sensitivity

4. CFA Operation _____

5. PSP/CFA Operation _____

6. TIS-3 Operation _____

7. SBT-1K Test Completed _____

DATE _____

TESTED BY _____