DATE January 15, 1963	TMC SPECIFICATION NO. S-738	A
SHEET 1 OF 3		
NP COMPILED / NP CHECKED	TITLE:	
APPROVED BP		

BSP-1, 2, 3 TEST PROCEDURE

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

DATE 8/24/64 SHEET 2 OF 3	TMC SPECIFICATION NO. S	A
COMPILED / CHECKED	TITLE: BSP-1,2,3 TEST PROCEDURE	
APPROVED		

A. TEST EQUIPMENT REQUIRED

1. AC VTVM Ballantine Mo.314 or equivalent.
2. Audio Generator H.P. Mo. 200AB,or equivalent
3. Distortion Meter B&W Mo. 400, or equivalent.

B. PRELIMINARY

*1. Inspect unit for mechanical imperfections.

C. PROCEDURE

1. Connect output from audio generator to terminals 6 and 8 of TB-2.
2. Turn gain controls fully ccw.
3. Plug in AC line cord.
4. Set signal generator to 1000 cps and with Distortion Meter connected across generator output,set generator attenuator for -6DB.
5. Connect Distortion Meter across speaker terminals.
6. With gain control,set output for 1 watt,about 1.79 V on 3 volt scale.

* 7. Determine gain as follows: Note DB reading on Distortion Meter and using the following formula calculate gain.
10-DB+21+(-6)=gain in DB.
The gain should be 36 DB±3DB.

8. Disconnect Distortion meter and connect AC-VTVM in its place.

* 9. Remove signal and measure hum level. This should be at least -40 DB.

* 10. Reinsert signal and check frequency response between 200 cps and 7000 cps. It should not drop more than 3 DB.

11. Disconnect AC-VTVM and connect Distortion Meter in its place.

12. Adjust audio generator for 400 cps at -6 DB. Set gain control for 1 watt output.

* 13. Measure distortion, it should not exceed 2%.

14. For a BSP-2,repeat steps 1 thru 13 for second amplifier.

15. For a BSP-3,repeat steps 1 thru 14 for thrid amplifier

*RECORD ON TEST DATA SHEET

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

DATE January 15, 1963 SHEET 3 OF 3	TMC SPECIFICATION NO. S- 738	A
NP COMPILED / N.P. CHECKED	TITLE: BSP-1, 2, 3 TEST PROCEDURE	
APPROVED		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, N.Y.

BSP-____ TEST DATA SHEET

SERIAL NO._____

MFG. NO._____

		CHAN. 1	CHAN. 2	CHAN. 3
B. 1	Mechanical _____OK			
C. 7	Amplifier gain 36 DB +3DB for 1 Watt output with -6DBM input	_____DB	_____DB	_____DB
C. 9	Hum level. -40DB at 1 watt output.	_____DB	_____DB	_____DB
C. 10	Frequency response between 200 & 7000 cps, 3DB down.	200cps___DB 7KC___DB	200cps___DB 7KC___DB	200cps___DB 7KC___DB
C. 13	Amplifier distortion, not more than 2% at 1W, 400cps.	_____%	_____%	_____%

DATE:_____

TESTER:_____

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

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S728
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
8/24/64	A	2,3	12206	Revised sht. 2,3 per EMN	LG