SH. 1 OF 3

A.J.J.

TMC SPECIFICATION NO. S-139-A

TITLE: LFA - PRODUCTION TEST

JOB109

APPROVED A.J. J.

PURPOSE:

The purpose of this specification is to establish a test procedure for production testing of the L.F.A.

EQUIPMENT REQUIRED:

1-Signal Generator operating at 2 mc having an adjustable output of 2.5 volts or better.

2-M.P.h10-B Veltmeter or equivalent.
3-Bimpson Multimeter Model #260 or equivalent.
b.C.R.O., Dumont 30h-H or equivalent.
5-75 ohm, 10 Watt non-inductive load.
6-1-2/05mc, 1-2.25mc, 1-2.5mc Crystal.

PROCEDURE:

Insert tubes 6Ch, 6BE6, 6Ch, 12AT7, 6AQ5, 6AQ5, 5VhG, QA2 into V101, V102, V103, V10h, V105, V106, V107, V108 respectively. Insert crystals, 2.05me, 2.25me, 2.5mc into Y101, Y102, Y103 respectively. Connect the 75 ohm load between J103 and ground. Turn R-111 and R-112 full cleckwise.

CHECK:

Oven Cycle
Power and Oven Indicators
Line voltage to be 110V.

TEST:

l-Perform A.C. & D.C. voltage checks and data recorded on data sheet.

2-Meter & Output test taken and data recorded on test sheets.
3-Distortion test taken and test sheet signed.

Copies of Data Sheets should be prepared on ditto forms, from the sample copies shown in this specification.

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COMPILED BY A.J.J.	TITLE: LFA - PRODU	CTION TEST	JOB 109
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	TEST DAT	A SHEETS	
	IESI DAI	A OHESTO	
W 9			
Test-1	.C. Voltage: *		
	101-Pin 3	(5.8 to 6.	.3)Vac
Test-1			
	.C. Voltage: *		
mnam no:	****** \$505\\$647 \$74	THE MEACHDED DATHE	
TEST PO.	INT NORMAL VA	LUE MEASURED VALUE	
V101- P	- · · · ·		
V102 -	- <u>-</u>		
V103- V10h	1 180 to 29 1 192 to 21		•
VIOH-	6 192 to 21		, •
V105-	5 228 to 25	2 V. V.	•
V106-	5 228 to 25		•
V108-	1 143 to 15		
V107-	2 290 to 32 8 290 to 32		
V107-	0 290 60 32		•
		READINGS TAKEN WITH REFERENCE OF 119 VA	
Test-2			
	utput and Meter Test:		
	•		77-71-
amplitu	a) Feed a 2 Mcs Sign de. Connect the VTVM	al into J102 of 2.5 to 3.5 to J103 and tune Z101 for	maximum output.
ď	b) Adjust the input	Signal level to obtain an	output of 20V
@ J103	when the crystal swit	cch is at position 1 (50 Kc	
reset i	nput level during the	following test:	
	Turn crystal swit	ch through all three posit	ions and take
these r	eadings:	on one of the party of the part	
		OUTPUT	
CRYSTAL	SWITCH POSITION	NORMAL MEAS	URED
	1	20 ₹.	
	1 2 3	18-22 V	٧.
	3	1622 V	∨.
		METERS NORMAT MEAS	त्रवा
	1	NORMAL MEAS	ured Ma
	1 2 3	.809 ma	ma
	3	.7085 ma	ma
_			***
R	ej et units which do	not fall in th normal lim	ユ しぎ ●

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	TITLE: LFA - PRO	DUCTION TEST		JOB 109
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Test-3 Dis	stortion:			
Cor distortic	nect the C.R.O. on or flattening	at J103 and note that off at 50 Kc with 20	t there is no vi V output.	sible
	TESTED BY: DATE:			
		ACCEPTED:	REJ ECTED	:
		40.3.000		
				•