

# TMC SPECIFICATION

NO. S 1106

REV:  $\emptyset$

COMPILED: RRH

CHECKED:

APPD: 

SHEET 1

OF 5

TITLE:

typed by vab

6/6/66

TEST PROCEDURE

FOR THE

LPF-750-3

# TMC SPECIFICATION

NO. S 1106

REV:

COMPILED: RRH

CHECKED:

APPD: *DB*

SHEET 2 OF 5

TITLE: TEST PROCEDURE FOR THE LPF-750-3

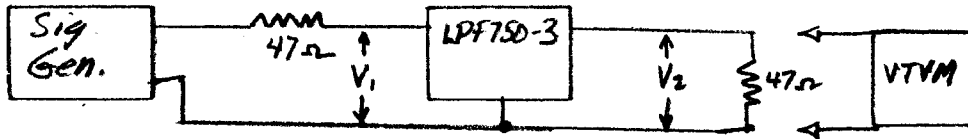
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**A. TEST EQUIPMENT REQUIRED:**

- 1 RF VTVM Hewlerr Packard Model 410B or equivalent
- 1 RF Generator, Measurements Corp. Model 65B, or equivalent
- 2 47 ohm, 1 watt 5% resistors
- 1 GPT 750 transmitter, or equivalent
- 1 50 ohm dummy load, 1 KW or greater capacity
- 1 0-10 Amp RF meter

**B. RESPONSE TEST:**

1. Connect test equipment as indicated in Figure 1:



2. Set signal generator for 1 volt RMS at  $V_1$  on 2 mcs and record  $V_2$ . Repeat as indicated below, convert voltage to DB reference to the 2 mcs value.

MC	$V_1$	$V_2$	RESPONSE	
			REQUIRED	ACTUAL
2	1		REFERENCE	0 DB
2.5	1		0 + 1	
3.0	1		0 + 1	
3.5	1		at least	-3 DB
4.0	1		at least	-30 DB
6.0	1		at least	-30 DB
10.0	1		at least	-30 DB
16.0	1		at least	-30 DB
32.0	1		at least	-30 DB

# TMC SPECIFICATION

NO. S 1106

REV:

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SHEET 3 OF 5

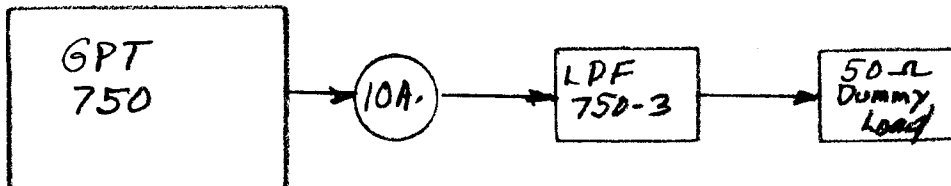
TITLE: TEST PROCEDURE FOR THE LPF-750-3

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## C. POWER TEST

1. Connect test equipment as indicated in figure 2:



2. Tune transmitter to 2.5 mcs and increase drive until current as read by the meter is approximately 4.5 Amps. Hold power through the filter for 15 minutes and observe for break-down and/or heating.

# TMC SPECIFICATION

NO. S 1106

REV: \_\_\_\_\_

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APPD: \_\_\_\_\_

SHEET 4 OF 5

TITLE: TEST PROCEDURE FOR THE LPF-750-3

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## TEST DATA SHEET

LPF-750-3

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

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

**B2. RESPONSE**

MC	RESPONSE (DB)	
	REQUIRED	ACTUAL
2	0 (Reference)	0
2.5	0 ± 1	
3.0	0 ± 1	
3.5	at least -3 DB	
4.0	at least -30 DB	
6.0	at least -30 DB	
10.0	at least -30 DB	
16.0	at least -30 DB	
32.0	at least -30 DB	

C2. POWER TEST: \_\_\_\_\_ OK

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

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

