DATE 6/8/61
SH. 1 OF 7
COMPILED BY
C.G.

TMC   SPECIFICATION NO. S - 578

TITLE: TEST PROCEDURE FOR MODEL LFD   JOB   C

APPROVED   C.G.   PTM

1. Equipment Required

    a. RF Signal generator
    b. RF VTVM

2. Procedure

    a. Set up test equipment and equipment to be tested as indicated
        in Figure 1.

    b. Check each test frequency for voltages indicated in Table I, II,
        III, or IV as appropriate.
    c. Record results obtained on test data sheets for the unit.
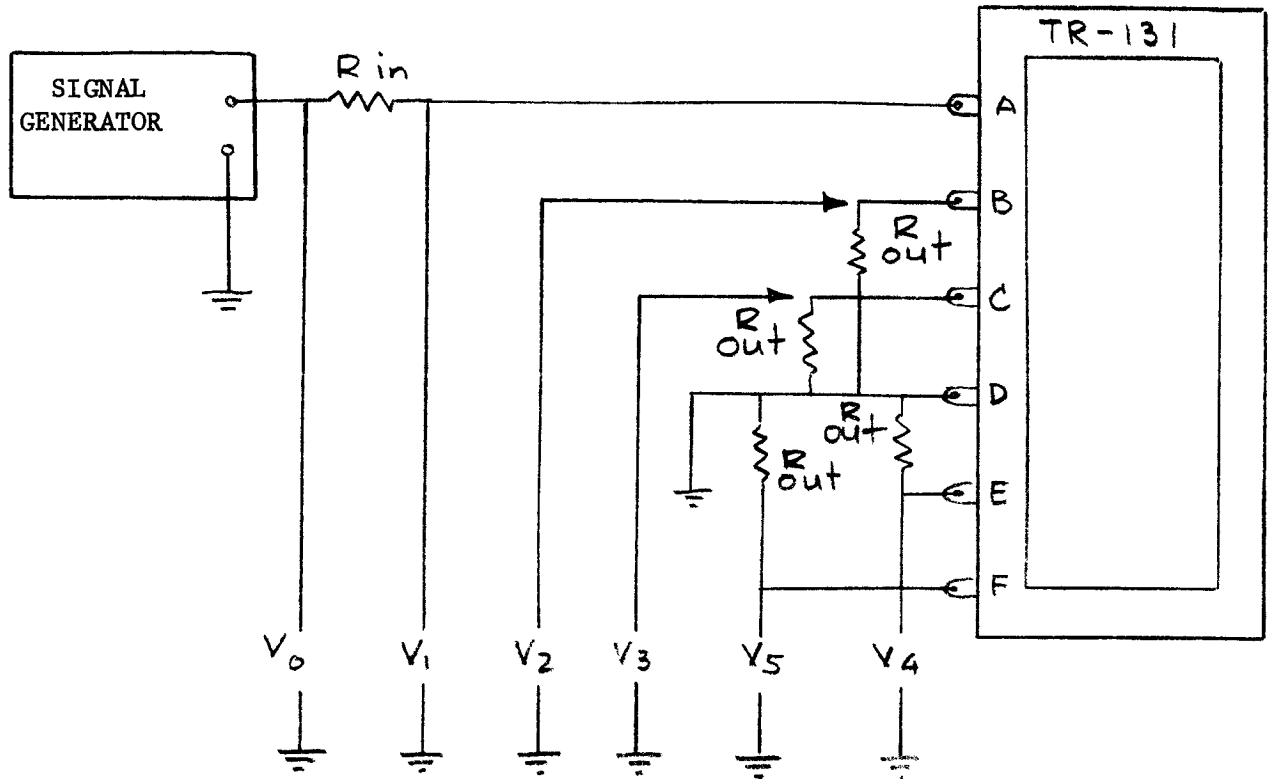
DATE 6/5/61
SH. 2 OF 7
COMPILED BY
C.G.
APPROVED

TMC   SPECIFICATION NO. S - 578

TITLE: TEST PROCEDURE FOR MODEL LFD   JOB   C

R in or R out: 68 or 47 ohm as specified by customer for 50 or 70 ohm nominal.

FIGURE 1
TEST EQUIPMENT DIAGRAM

DATE 6/5/61
SH. 3 OF 7

TMC   **SPECIFICATION NO. S - 578**

COMPILED BY C.G.

TITLE: TEST PROCEDURE FOR MODEL LFD   JOB $\mathcal{C}$

APPROVED

R in = 68 ohm   R out = 47 ohm

FREQ. KCS	V_0	V_1	V_2	V_3	V_4	V_5
			RF VOLTS (LIMITS)			
15	1.0	.42 to .58	.16 to .19	.16 to .19	.16 to .19	.16 to .19
500	1.0	0.5 to 0.7	.15 to .21	.15 to .21	.15 to .21	.15 to .21
1000	1.0	0.5 to 0.7	.15 to .21	.15 to .21	.15 to .21	.15 to .21
2000	1.0	0.58 to 0.82	.15 to .21	.15 to .21	.15 to .21	.15 to .21
VOLTAGE RATIO* →			less than 1.41	less than 1.41	less than 1.41	less than 1.41

* NOTE: Ratio of highest to lowest   voltage at any given output terminal to be less than 1.41 (3 db)

TABLE I

DAT:
SH. _4_ _OF_ _7_
COMPILED BY
C.G.
APPROVED

TMC   SPECIFICATION NO. S - 578

TITLE: TEST PROCEDURE FOR MODEL LFD   JOB   C

R in = 47 Ohm   R out = 47 Ohm

FREQ. KCS	V$_0$	RF VOLTS (LIMITS)				
		V$_1$	V$_2$	V$_3$	V$_4$	V$_5$
15	1.0	.55 to .59	.18 to .22	.18 to .22	.18 to .22	.18 to .22
500	1.0	.66 to .70	.21 to .25	.21 to .25	.21 to .25	.20 to .24
1000	1.0	.71 to .75	.20 to .24	.20 to .24	.20 to .24	.19 to .23
2000	1.0	.79 to .83	.16 to .20	.16 to .20	.16 to .20	.15 to .19
VOLTAGE RATIO* ⟶			less than 1.41	less than 1.41	less than 1.41	less than 1.41

*NOTE   Ratio of highest to lowest voltage at any given
output terminal to be less than 1.41 (3db).

R in = 68 Ohm   R out = 68 Ohm

		RF VOLTS (LIMITS)				
FREQ. KCS	V_0	V_1	V_2	V_3	V_4	V_5
15	1.0	.50 to .54	.17 to .21	.17 to .21	.17 to .21	.16 to .20
500	1.0	.66 to .70	.21 to .23	.21 to .25	.21 to .25	.21 to .25
1000	1.0	.68 to .72	.21 to .25	.21 to .25	.22 to .24	.20 to .24
2000	1.0	.74 to .78	.18 to .22	.18 to .22	.18 to .22	.18 to .22
VOLTAGE RATIO* ⟶			less than 1.41	less than 1.41	less than 1.41	less than 1.41

*NOTE: Ratio of highest to lowest voltage at
any given output terminal to be less
than 1.41 (3db).

R in - 47 Ohm   R out = 68 Ohm

FREQ. KCS	RF VOLTS (LIMITS)					
	V_0	V_1	V_2	V_3	V_4	V_5
15 n	1.0	.55 to .59	.20 to .24	.20 to .24	.20 to .24	.20 to .24
500	1.0	.70 to .74	.24 to .28	.24 to .28	.24 to .28	.24 to .28
1000	1.0	.72 to .76	.23 to .27	.23 to .27	.23 to .27	.23 to .27
2000	1.0	.80 to .84	.20 to .24	.21 to .25	.21 to .25	.20 to .24
VOLTAGE RATIO* ⟶			less than 1.41	less than 1.41	less than 1.41	less than 1.41

*NOTE: Ratio of highest to lowest voltage at any
given output terminal to be less than 1.41 (3db).

DATE 6/5/61		TMC SPECIFICATION NO. S - 578
SH. 7 OF 7		
COMPILED BY C.G.	TITLE: TEST PROCEDURE FOR MODEL LFD	JOB C

APPROVED

TEST DATA SHEET   LFD

R in _____ R out _____

FREQ. KCS	RF VOLTS (ACTUAL)					
	V_0	V_1	V_2	V_3	V_4	V_5
VOLTAGE RATIO < 1.41						

DATE _____

TESTED BY _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK   NEW YORK

S-578

LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
3/5/64	A	3	10989	Revised Sheet 3 per EMN.	
7/21/65	B	3	14491	Revised per EMN	
10/19/65	C	all	15008	Revised per EMN	
			THE TECHNICAL MATERIEL CORP.	S-578	
			MAMARONECK NEW YORK		