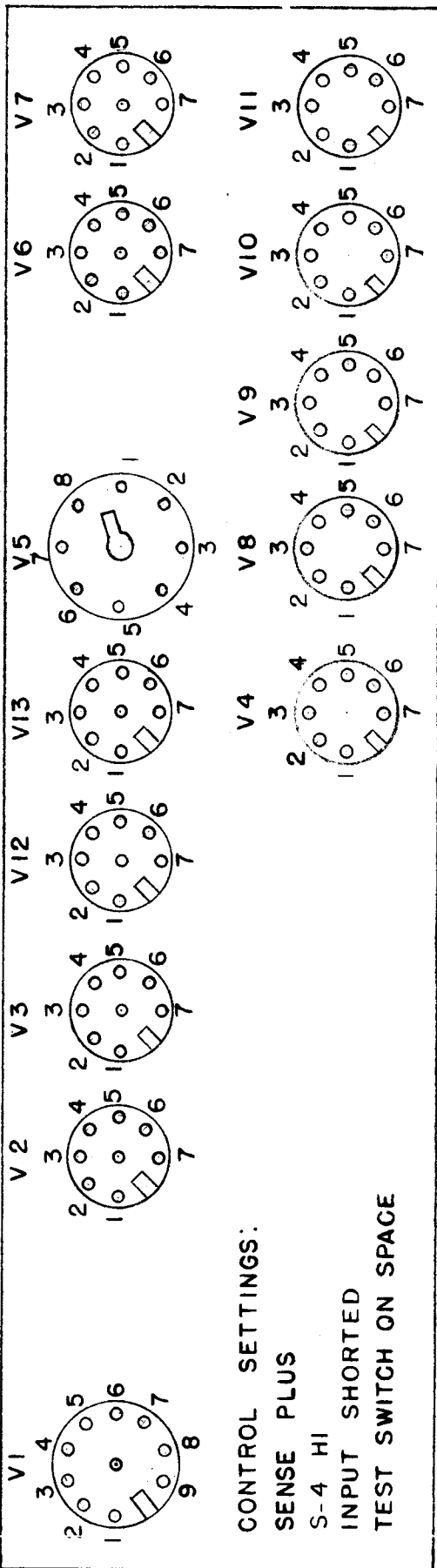


VOLTAGE CHART

EQUIPMENT: CARRIER TELEGRAPH RECEIVER

MODEL: TAD-1



VOLTAGES MEASURED WITH V.T.V.M.

TUBE SYMBOL	FUNCTION	TYPE	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS
V1	TONE AMP.	12AU7	1-G	165	2-G	0	3-G	7.1	6-G	309	7-G	0	8-G	15.0 AC6.3
V2	TONE RECT.	6AL5	5-2	- .5	1-7	1.2	3-4	AC6.3						
V3	TONE RECT.	6AL5	5-2	- .5	1-7	2.8	3-4	AC6.3						
V4	PULSE REST.	6J6	1-B-	160	2-B-	490	6-B-	120	7-B-	120	3-4	AC6.3	5-B-	40
V5	OUT. TUBE	6Y6	3-G	275	4-G	275	5-G	-145	8-G	0	2-7	AC6.3		
V6	POWER RECT.	6X4	1-G	AC275	6-G	AC275	7-G	330	3-4	AC6.3				
V7	BIAS RECT.	6X4	7-G	AC265	1-G	-340	6-G	-340	3-4	AC6.3				
V8	VOLT. REG.	OB2	5-2	-105										
V9	VOLT REG	OA2	5-2	-150										
V10	VOLT REG.	OA2	5-2	-150										
V11	VOLT REG.	OB2	5-2	-105										
V12	CLAMPER	6AL5	7-1	.4	5-2	-1.0	3-4	AC6.3						
V13	PULSE AMP.	6AU6	1-G	- .8	5-G	260	6-G	63	7-G	.5	3-4	AC6.3		

ADDENDUM TO INSTRUCTION MANUAL

M del LFA
Low Frequency Shift Adapter

The following changes have been made in the schematic diagram. It is suggested that these changes be entered in the Schematic Diagram, Section IV-4 of this instruction manual.

R127 should read R128
R128 " " R127
R129 " " R130
R130 " " R129
R131 " " R132
R132 " " R131

C119 " " C122
C120 " " C121
C121 " " C120
C122 " " C119

~~L104~~ " " ~~L105~~
~~L105~~ " " ~~L104~~

V105 " " V106
V106 " " V105

Terminal No. 1 of T102 should read No. 3

Terminal No. 3 of T102 should read No. 1

WAS AES047 12-1-53

DATE 12-29-52	ADDENDUM LFA SCHEMATIC DIAGRAM	THE TECHNICAL MATERIEL CORPORATION MAMARONECK, NEW YORK	
DRN. hs			
CHKD. <i>PH</i>			
APPD. A.J.J.			
		SHEET 1 OF 1	NO. CH-107

CH-107

	ADK	CFA	DCO	DCU	DVM	LSP	MP-1	PSP-1	RAPC	SFO92	SP-600, DMK-1	VOX	XFK	XFL
0A2		1		1			1		1	2				
0A3														
0B2		3		3	2		1						2	
0C3														
0D3									2	2				
2BP1		1												
2E26													1	
3BP1-A					1									
5R4GY											1			
5U4G										1			1	
5V4	1								1					
5V4G														
5Y3GT		1		1	1			1						
6A67											1			1
6A65			3		3		2							
6A65		3		2	1		1							
6A65				1			4							
6A66					1									
6A66		4		2										
6BA6				2			1				7			
6BE6					1						2		2	
6C4			1	1							3			
6H6									1	2				
6J6		3			1		1						1	
6L6	2								1					
6N7														
6SA7														
6SJ7									1					
6SK7GT									1					
6SL7GT	1									1				1
6SN7GT	1									6				4
6V6														
6V6GT											1			
6X4		1		1	3		1		1				1	
6Y6GT		1						1						
12AU7		3		1	2	1					1		3	
12AX7					2									
884					1									

DATE 3/13/52
 DRN. SAM
 CHKD. SAM
 APPD. [Signature]

TUBE COMPLEMENTS
 (STANDARD)
 (WAS AEM080 12-1-53)

THE TECHNICAL MATERIEL
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 MAMARONECK, NEW YORK
 SHEET / OF / NO. CH-108

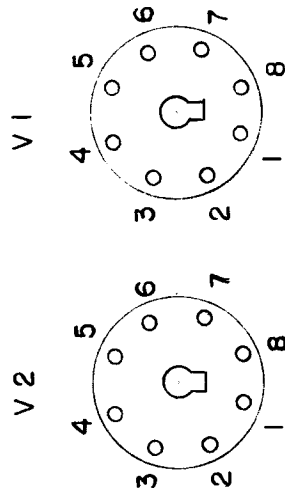
CH-108

CH-109

VOLTAGE CHART

EQUIPMENT : POWER SUPPLY

MODEL : PSP



CONTROL SETTINGS
 S2 "+"
 R2 MAX. OUTPUT
 CURRENT CONTROL 60MA

VOLTAGES MEASURED WITH 20,000 OHM/VOLT DC 1,000 OHM/VOLT AC METER

TUBE SYMBOL	FUNCTION	TYPE	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS
V1	RECTIFIER	5Y3	4-B-	AC280	6-B-	AC280	2-B-	242	2-8	AC5.0		
V2	OUT. TUBE	6Y6	3-8	120	4-8	120	5-8	-10	2-7	AC6.3		

CH-109

276 38M059-12-17-53

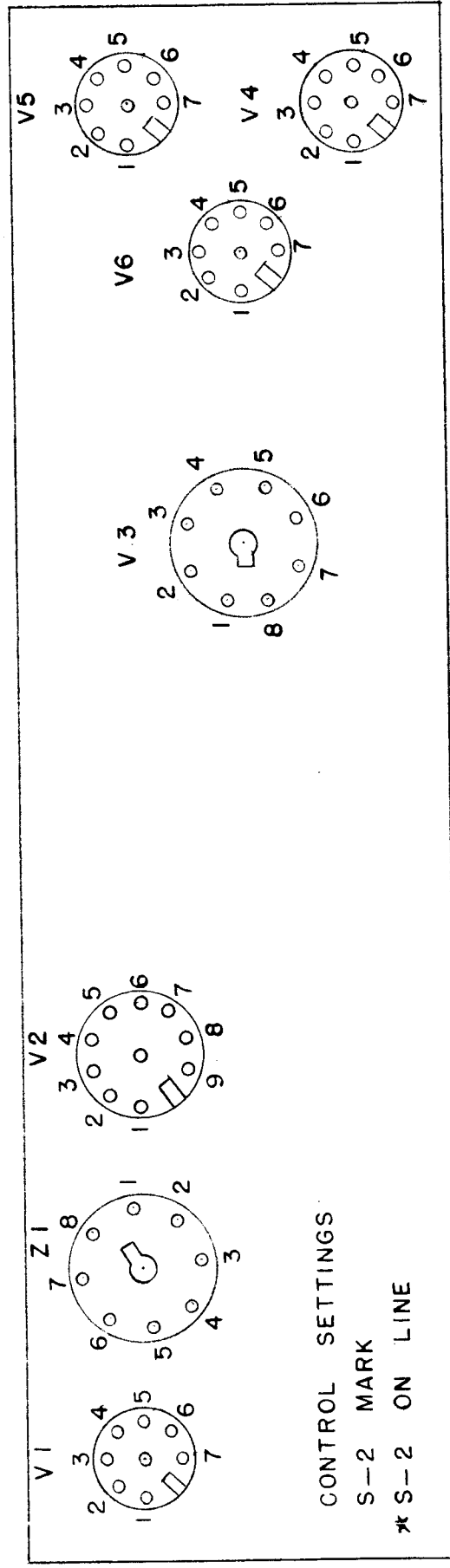
CH-109

CH-110

VOLTAGE CHART

EQUIPMENT: CARRIER TELEGRAPH TRANSMITTER MODEL: TAK-1

CONTROL SETTINGS
 S-2 MARK
 * S-2 ON LINE



VOLTAGES MEASURED WITH 20,000 OHM/VOLT DC 1,000 OHM/VOLT AC METER

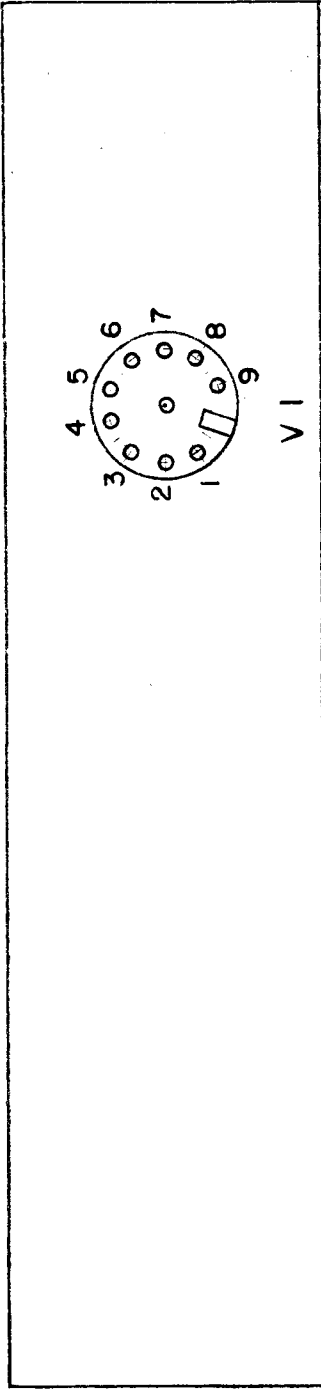
TUBE SYMBOL	FUNCTION	TYPE	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS
V1	TONE OSC.	6AQ5	2-G	6.6	3-4	3.4	AC7.0		5-G	220	6-G	110
V2	TONE AMP.	12AU7	1-G	315	2-G	0	0	3-G	9-4	AC7.0	6-G	315
V3	KEYER	2B23	3-G	0	8-6	-80	AC7.0					
V4	POWER RECT.	6X4	1-G	AC380	6-G	AC380	7-G	AC7.0				
V5	POWER RECT.	6X4	1-G	-390	6-G	-390	AC360	3-4	AC7.0			
V6	VOLT. REG.	OB2	5-G	105								

CH-110
 WAS AEM060
 1/26/54

CH-110

VOLTAGE CHART

EQUIPMENT : TONE TERMINAL TRANSMIT MODEL: TKM-TC



CONTROL SETTINGS
S-1 CAL. CHANNEL 1

VOLTAGES MEASURED
WITH 20,000 OHM/VOLT'DC
1,000 OHM/VOLT AC METER

TUBE SYMBOL	FUNCTION	TYPE	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS	PINS	VOLTS				
VI	NULL AMP.	12AU7	1-G	130	2-G	0	3-G	4.5	6-G	120	7-G	0	8-G	4.5	4-G	6.3
																AC

FIGURE 5-4

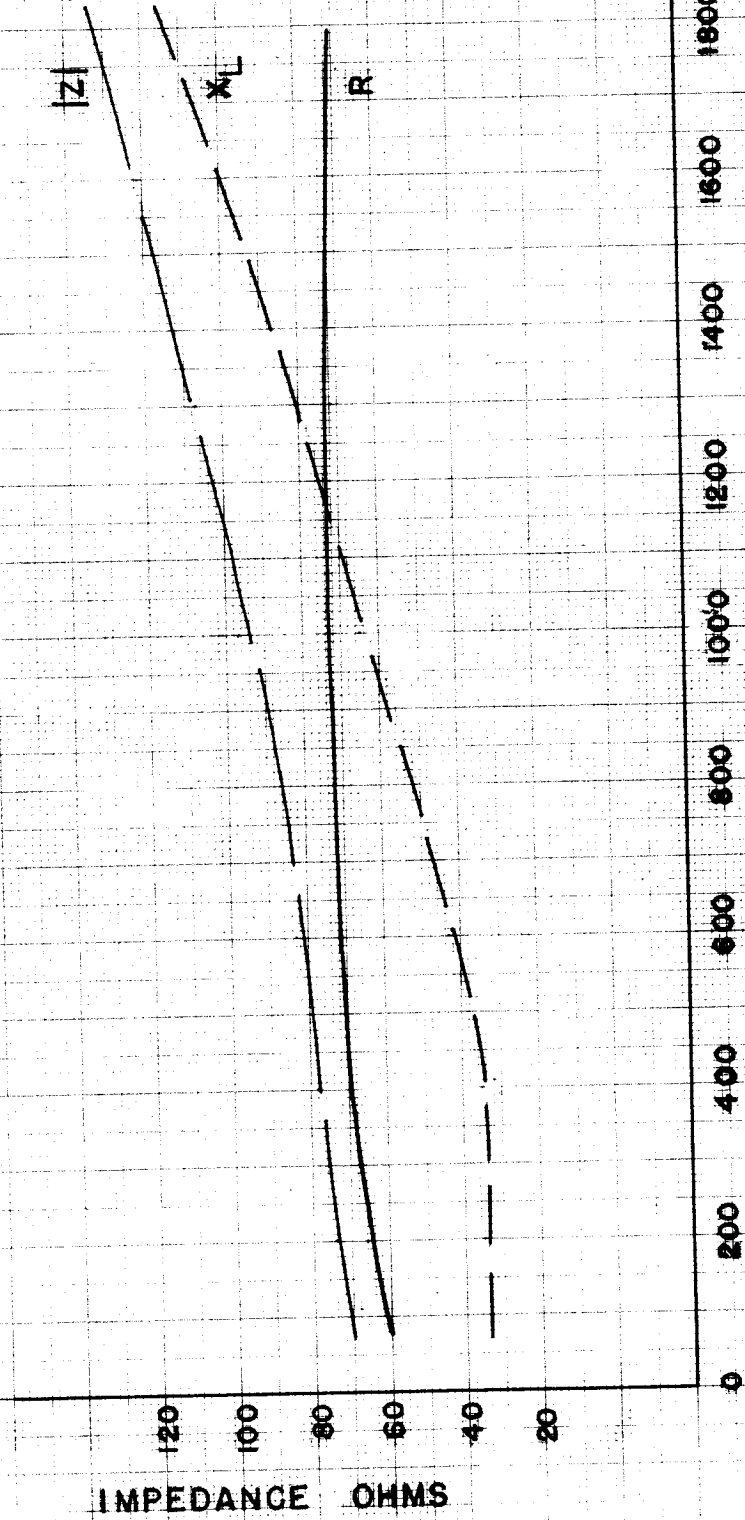
WAS AFM062
1/26/54

CH-111

11-41

CH-112

IMPEDANCE CHARACTERISTICS - TROO3



WAS AEMOES2
1/27/54

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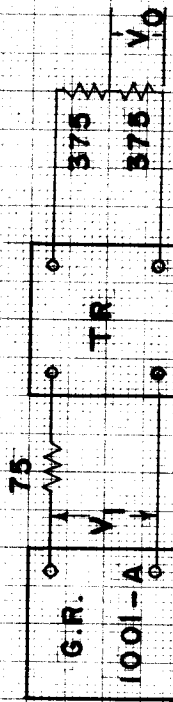
CH-112

CH-113

FREQUENCY RESPONSE TRO03
 750/75 Ω

RELATIVE RESPONSE DB

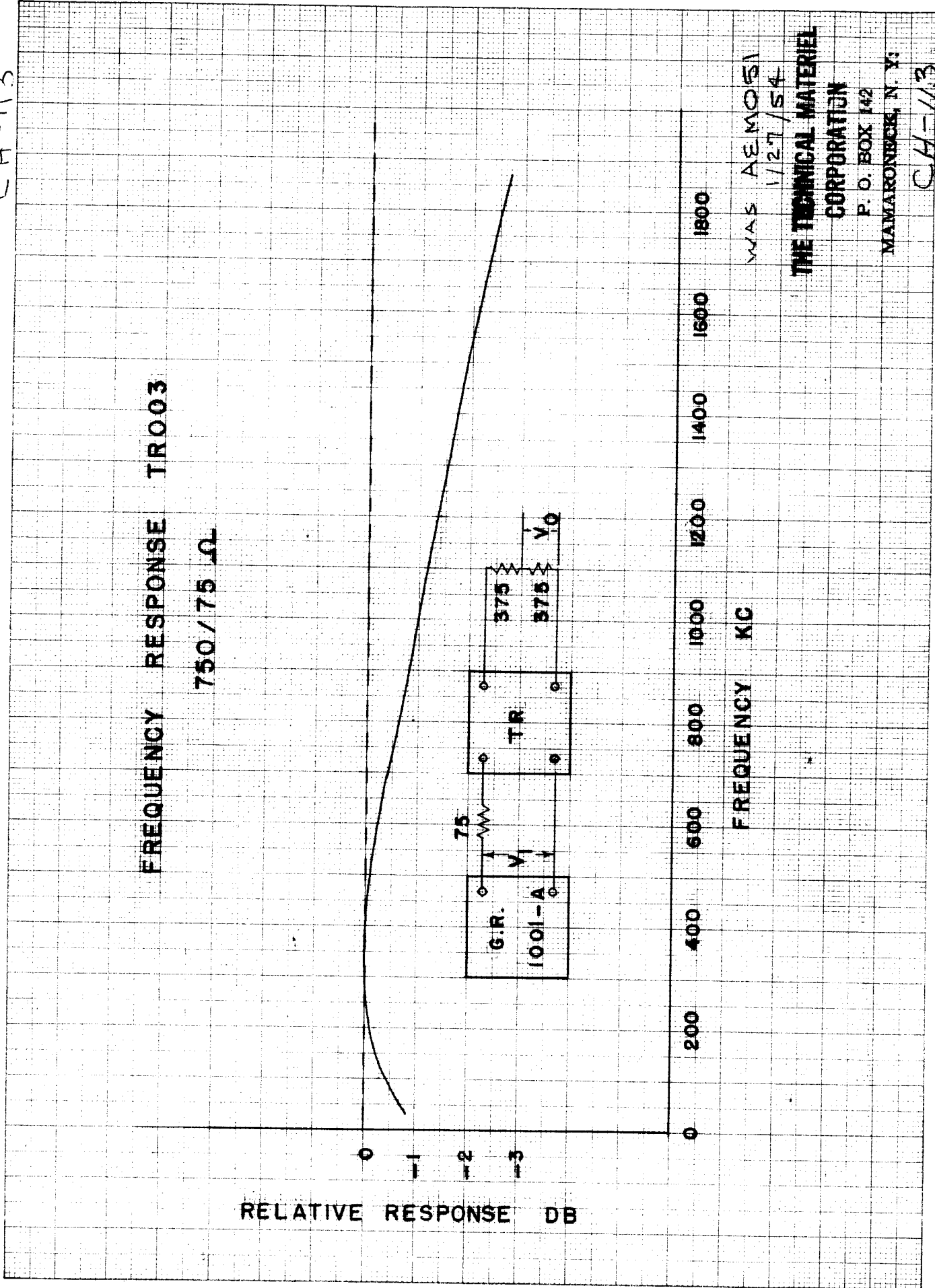
FREQUENCY KC



WAS AEMOSI
 1/27/54

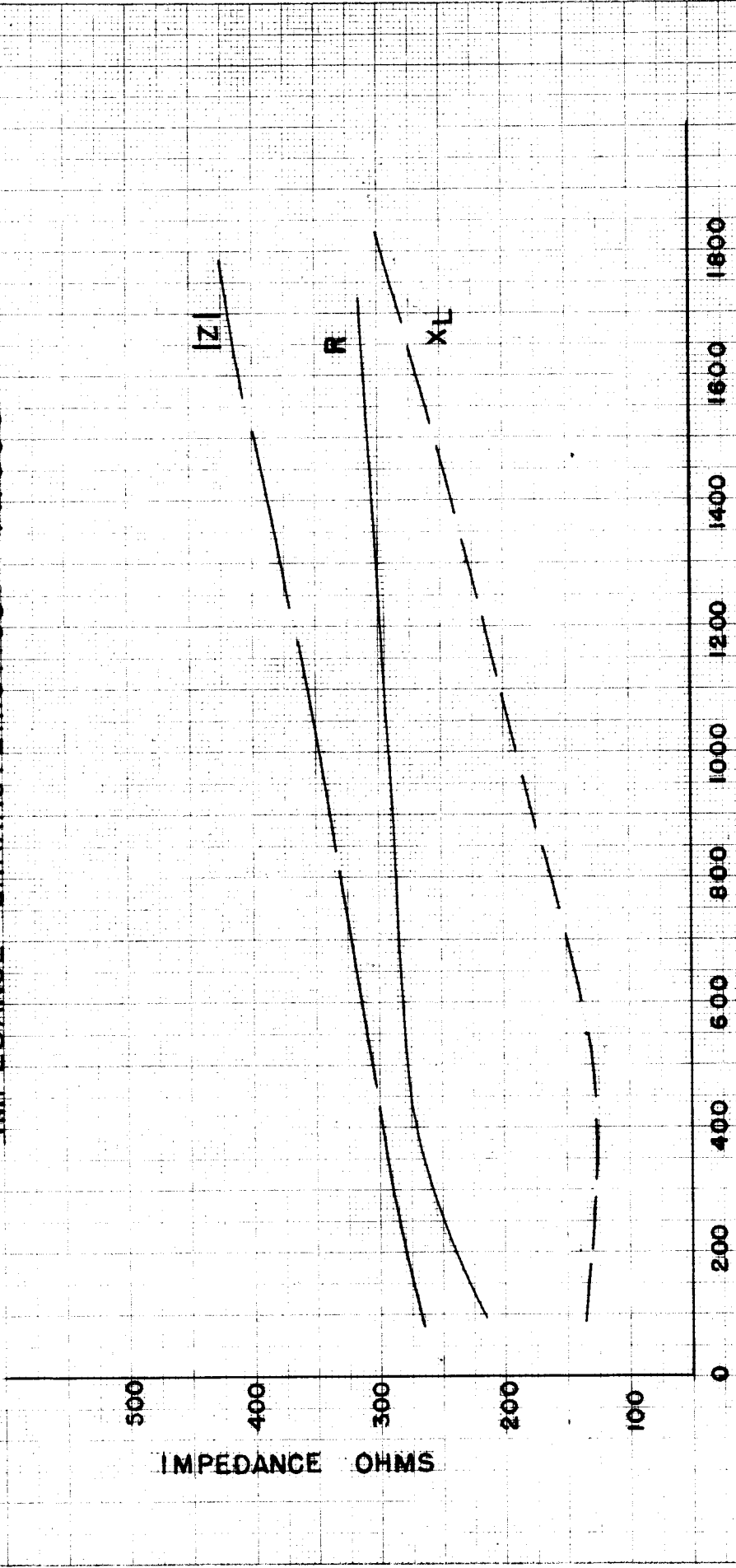
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CH-113



CH-114

IMPEDANCE CHARACTERISTICS TRO05



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WAS AEM056
1/29/54

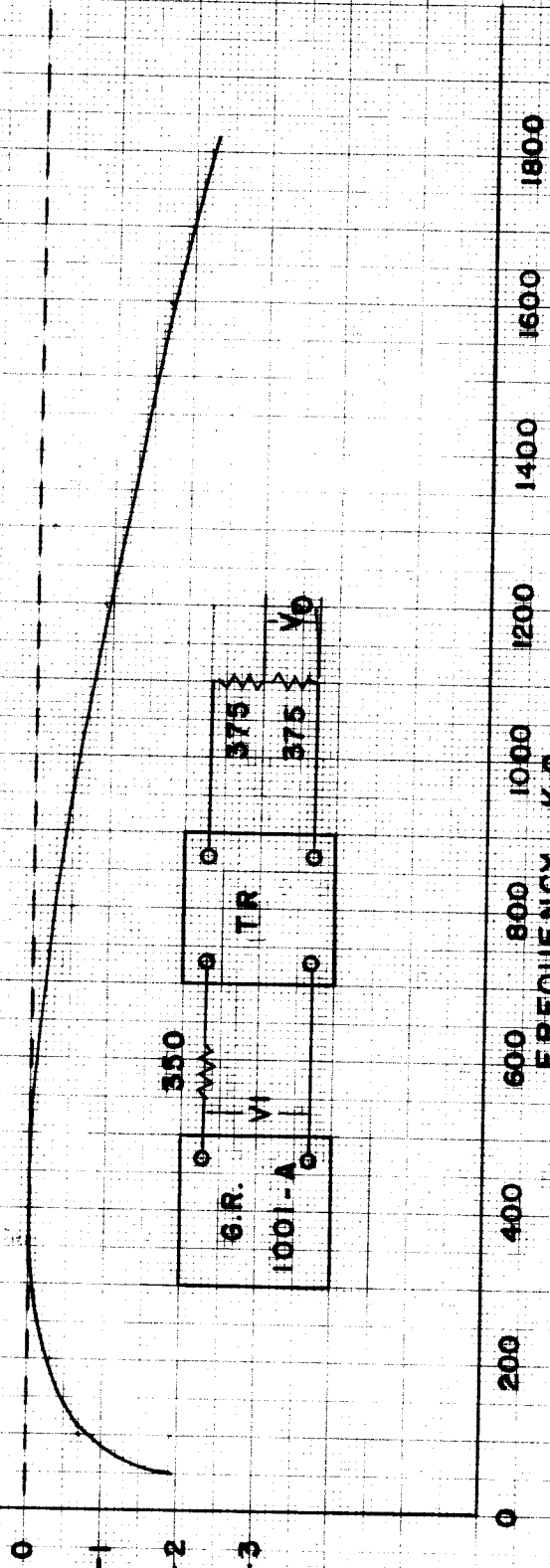
CH-114

CH-115

FREQUENCY RESPONSE TROOS
 350/750 Ω

RELATIVE RESPONSE - DB

FREQUENCY - K.C.



WAS REMOVED 1/29/54

THE TECHNICAL MATERIEL
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CH-115

CH-116

CH-116

REFERENCE MARKER OR CORRECTLY TUNED SIGNAL PULSE

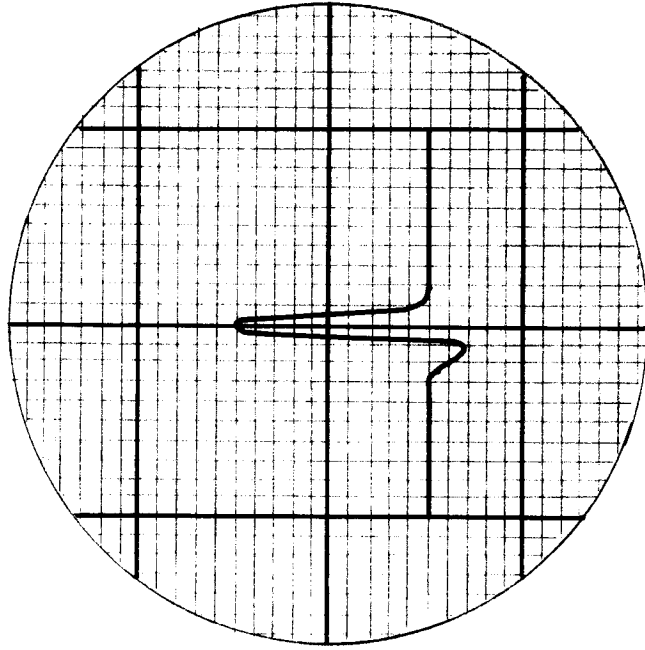


FIG.-2-D

SWEEP RANGE ± 5 KC

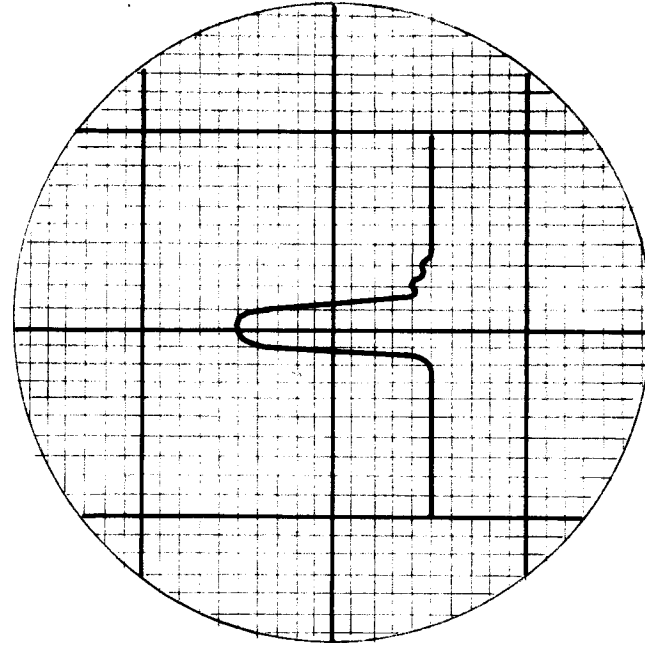


FIG.-2-E

SWEEP RANGE ± 1 KC

MONITOR SWITCH SET TO CAL.
 PULSE HEIGHT ADJUSTED BY RF GAIN CONTROL

CH-117

CH-117

SIGNAL MONITORING
INCORRECTLY TUNED CW OR PHONE

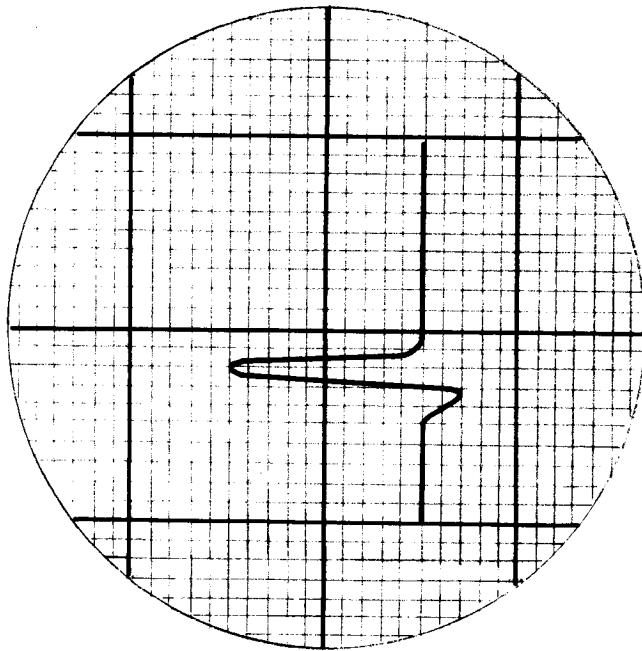


FIG-2-F

SIGNAL DETUNED TO -2KC
OR BELOW CENTER OF
DESIRED FREQUENCY
(RANGE ± 5 KC)

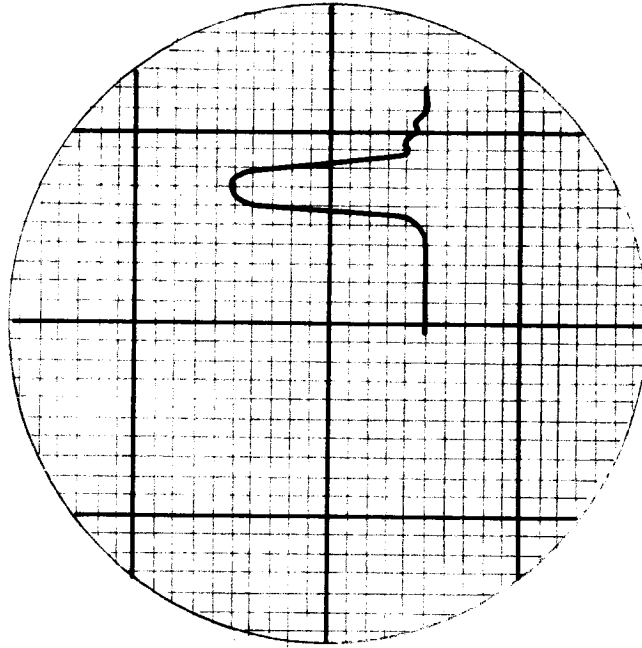


FIG-2-G

SIGNAL DETUNED TO +700 CPS
OR ABOVE CENTER OF
DESIRED FREQUENCY
(RANGE ± 1 KC)

CH-118

811-H

FREQUENCY SHIFT MONITORING
CORRECTLY TUNED
(850 ~ SHIFT)

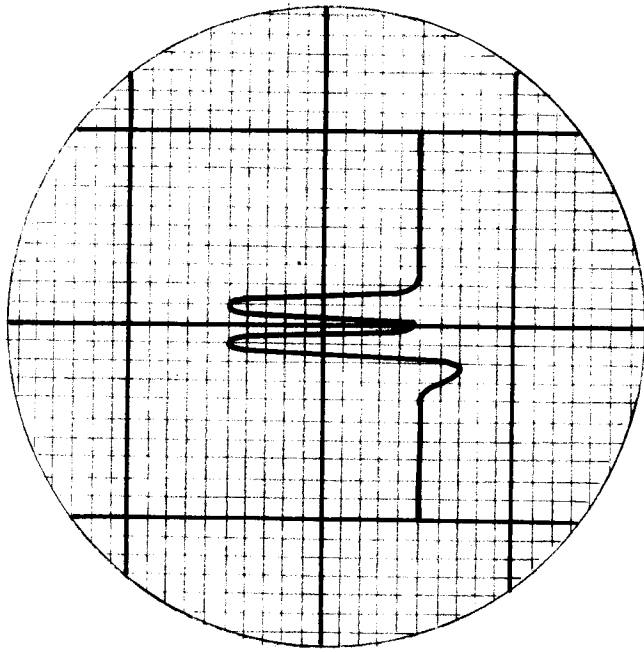


FIG.-2-H

F.S. SIGNAL PULSE
(RANGE ± 5 KC)

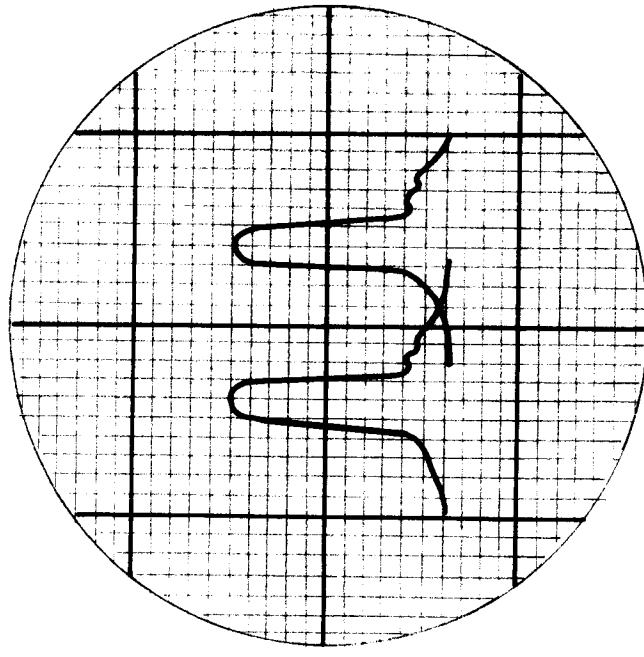


FIG.-2-I

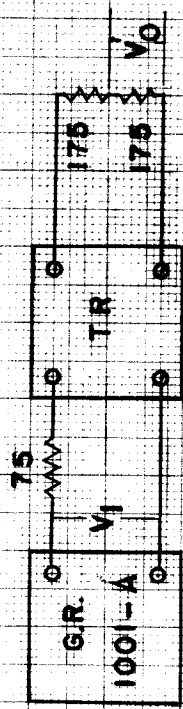
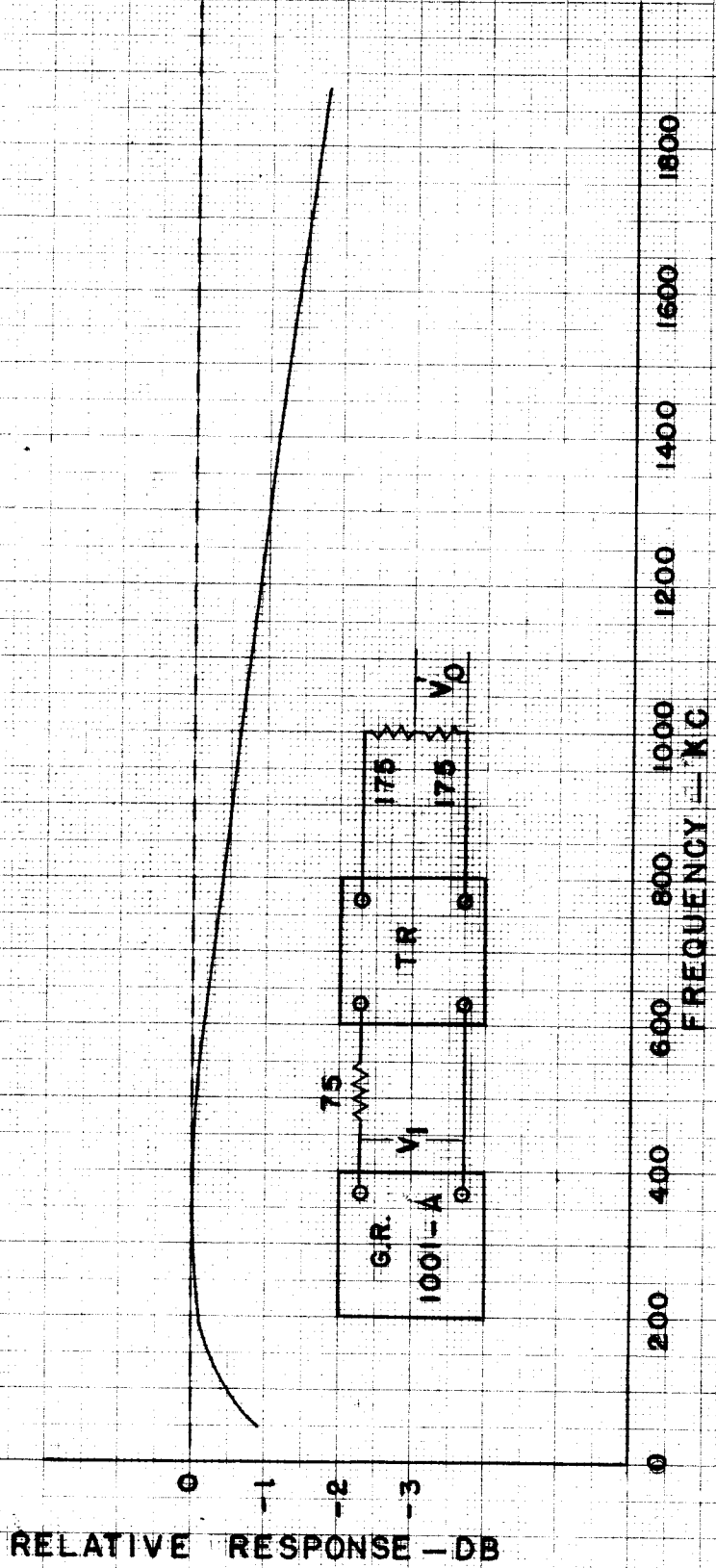
F.S. SIGNAL PULSE
(RANGE ± 1 KC)

NOTE

SCOPE SCREEN DIVISIONS AND 425 ~ MARK-SPACE PULSE
PEAKS, EACH SIDE OF CENTER OF 850 ~ SPREAD.

60
 CH-119

FREQUENCY RESPONSE T R 0 0 4
 350/75 Ω



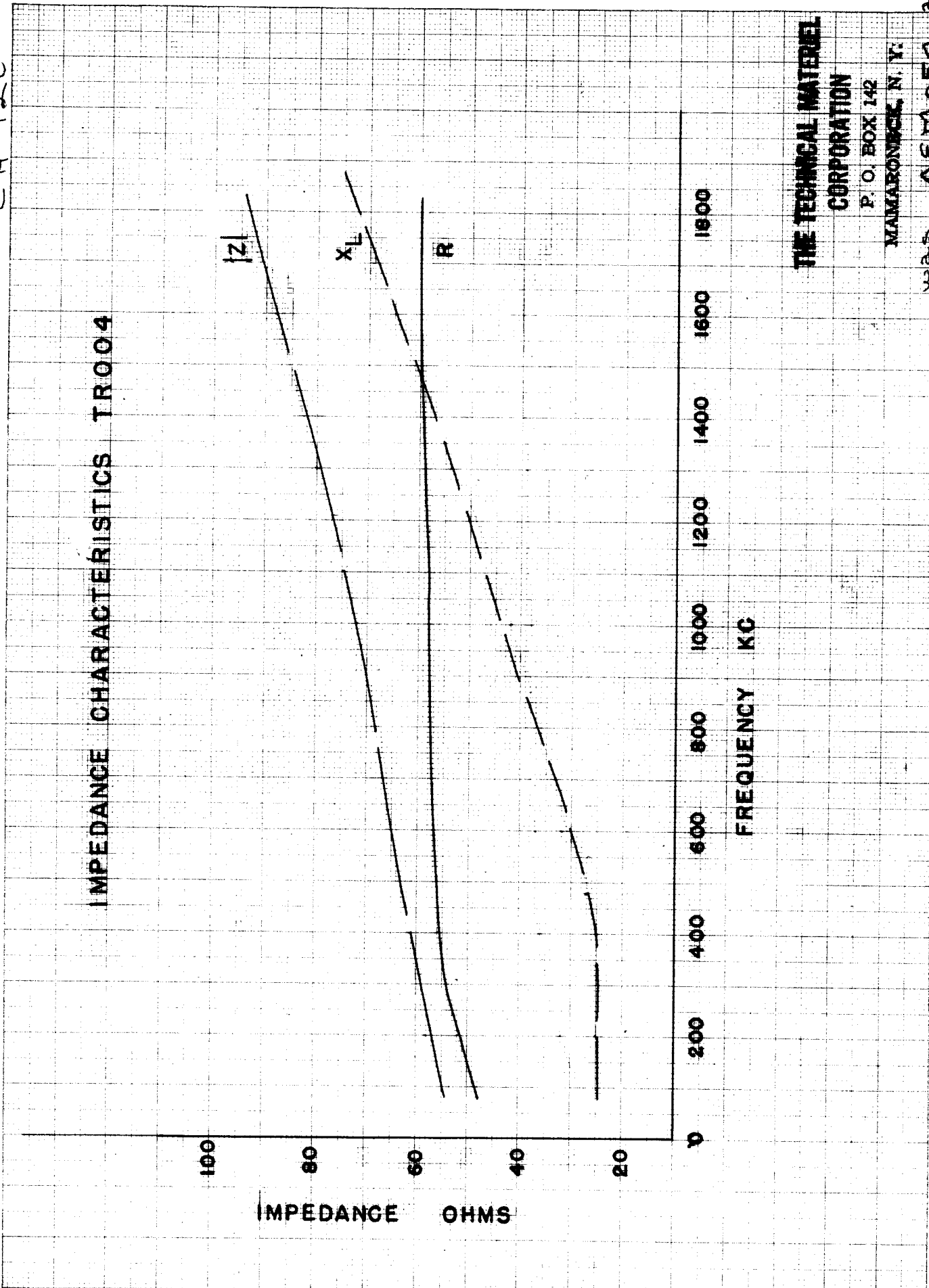
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CH-119

CH-120

IMPEDANCE CHARACTERISTICS TR004



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WAP AEM 054 2/11/54
CH-120

ILLUSTRATION OF THE CLAMP & THRESHOLD OPERATION:

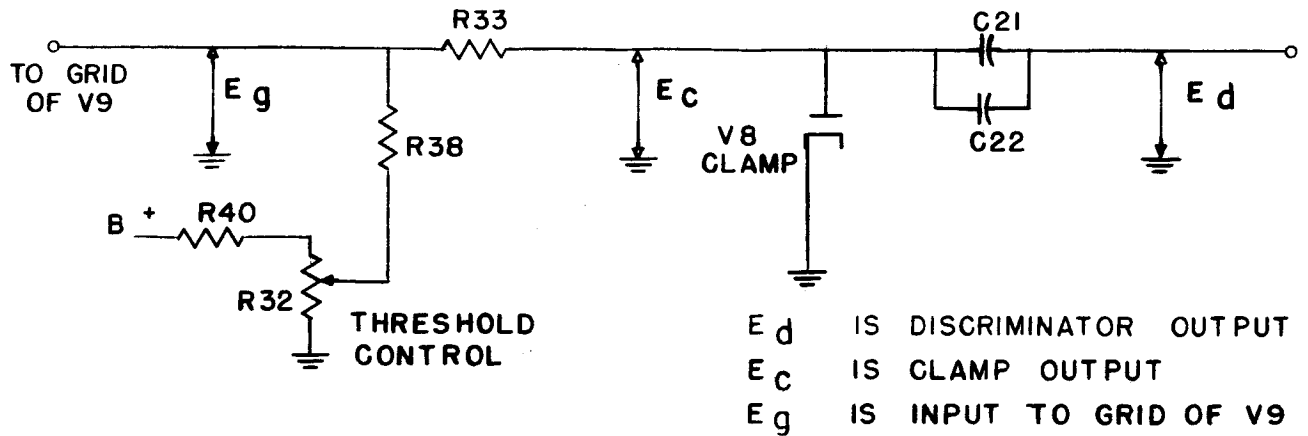
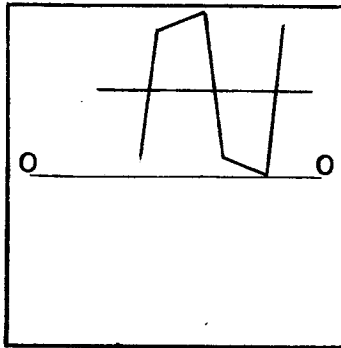
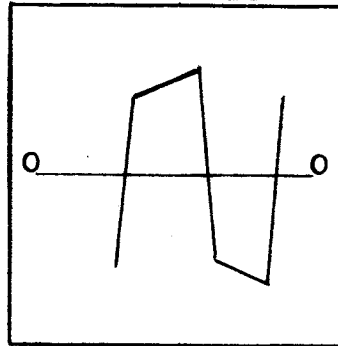


FIG 2-2A



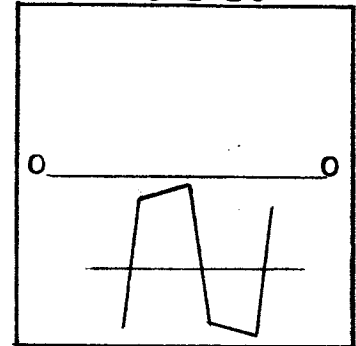
E_d WITH DRIFT

FIG. 2-2B



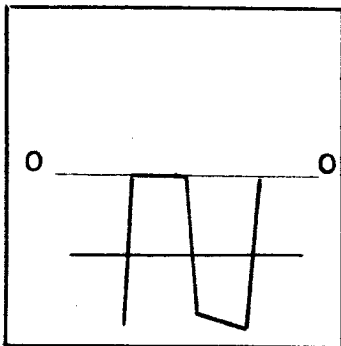
E_d WITH NO DRIFT

FIG 2-2C



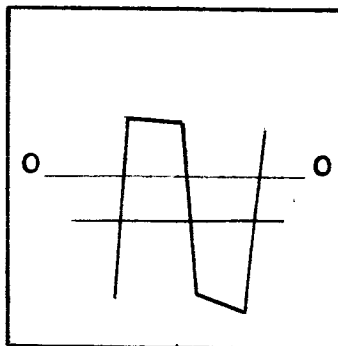
E_d WITH DRIFT

FIG 2-2D



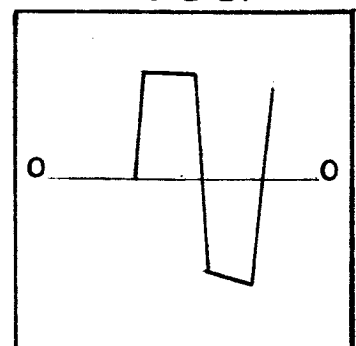
E_c DOES NOT CHANGE WITH DRIFT

FIG 2-2E



E_g WITH INSUFFICIENT THRESHOLD

FIG 2-2F

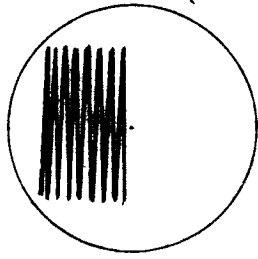


E_g WITH PROPER THRESHOLD SETTING

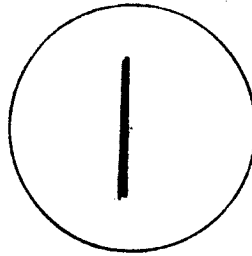
NOTE:

(E_g SEEN WHILE V9 IS REMOVED FROM SOCKET.)
 ALL PATTERNS SEEN USING HIGH IMPEDANCE SCOPE WITH DC AMPLIFIER (SUCH AS DUMONT 304 H WITH 2507 PROBE)

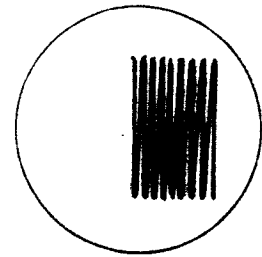
CH-122



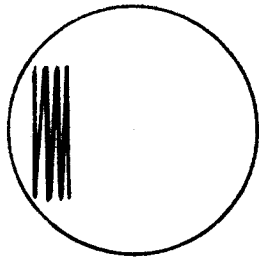
DOWN DRIFT OF 300 CPS
(850 CPS SHIFT)



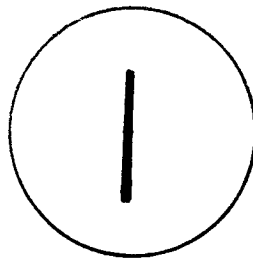
ZERO DRIFT
(850 CPS SHIFT)



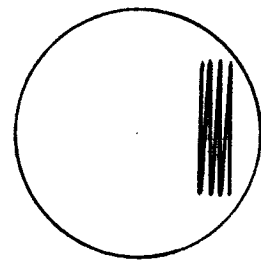
UP DRIFT OF 300 CPS
(850 CPS SHIFT)



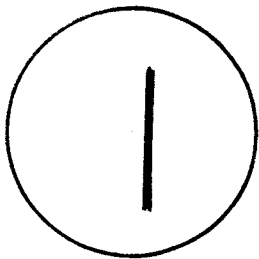
DOWN DRIFT OF 500 CPS
(100 CPS SHIFT)



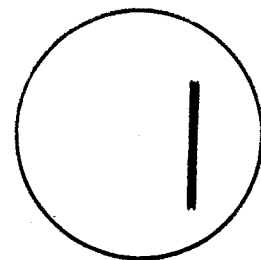
ZERO DRIFT
(100 CPS SHIFT)



UP DRIFT OF 500 CPS
(100 CPS SHIFT)



STANDING BY ON MARK
(100 CPS SHIFT)



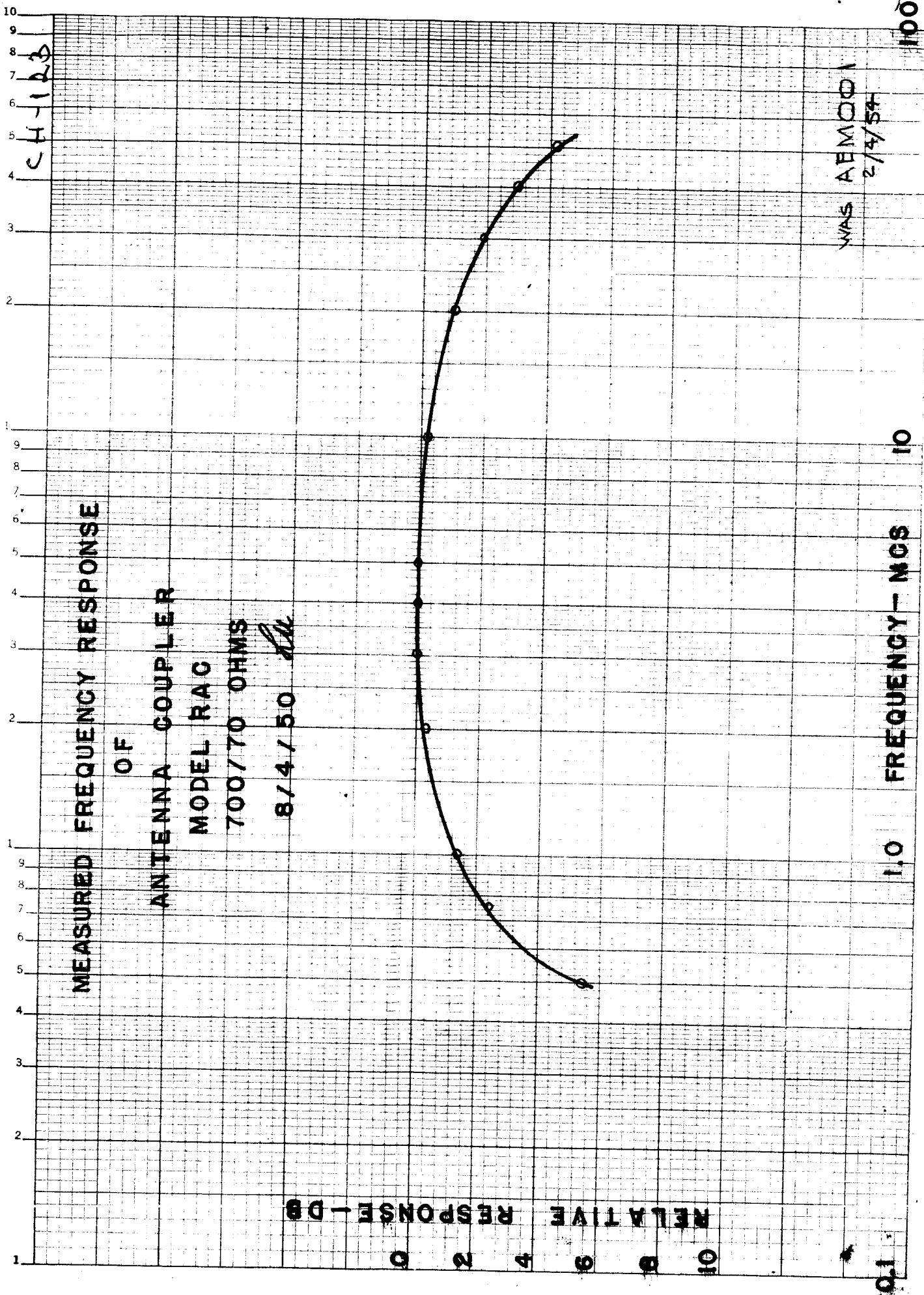
STANDING BY ON MARK
(850 CPS SHIFT)

CFA

MONITOR PATTERNS

FIGURE 3-1

Model CFA
CH-122



100
CH-1123

CHART OF REMOVABLE COMPONENTS BY PART NUMBER

CHANNEL FREQ. CPS		BAND PASS FILTERS																		
		TRANSMIT (FOR MODEL TTF)			RECEIVE (FOR MODEL TRF)															
		60 WPM	150 WPM	250 WPM	60 WPM	150 WPM	250 WPM	60 WPM	150 WPM	250 WPM										
	FREQUENCY DETERMINING ELEMENT (P/O MODEL TTU)																			
425	NF-103-425	FX-139-425																		
595	NF-103-595	FX-139-595	FX-142-595																	
765	NF-103-765	FX-139-765																		
935	NF-103-935	FX-139-935	FX-142-935	FX-143-935																
1105	NF-103-1105	FX-139-1105																		
1275	NF-103-1275	FX-139-1275	FX-142-1275																	
1445	NF-103-1445	FX-139-1445		FX-143-1445																
1615	NF-103-1615	FX-139-1615	FX-142-1615																	
1785	NF-103-1785	FX-139-1785																		
1955	NF-103-1955	FX-139-1955	FX-142-1955	FX-143-1955																
2125	NF-103-2125	FX-139-2125																		
2295	NF-103-2295	FX-139-2295	FX-142-2295																	
2465	NF-103-2465	FX-139-2465		FX-143-2465																
2635	NF-103-2635	FX-139-2635	FX-142-2635																	
2805	NF-103-2805	FX-139-2805																		
2975	NF-103-2975	FX-139-2975	FX-142-2975																	

VOLTAGE CHART

CH-136

CHART A

TUBE NO	TUBE TYPE	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
V101	5Y3	RECTIFIER	NC	+320	—	310 AC	—	310 AC	—	+320	—
V102	0A2	VOLTAGE REGULATOR	+150	GND	NC	GND	+150	NC	GND	—	—
V201	6AH6	RF AMPLIFIER	-.5	GND	6.3 AC	GND	+255	+145	+1.7	—	—
			1.4 RF				32 RF				
V202	6AQ5	POWER AMPLIFIER	-28	+5	6.3 AC	GND	+255	+230	-28	—	—
			32 RF				180 RF				

CHART B

TUBE NO	TUBE TYPE	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
V203	6BE6	MIXER	-11	GND	6.3 AC	GND	+40	+40	-.2	—	—
			7 RF						.75 RF		
V204	12AU7	AUDIO AMPLIFIER	+25	-.8	GND	6.3 AC	6.3 AC	+45	-1.5	GND	GND
V301	6C4	MASTER OSCILLATOR	+120	NC	6.3 AC	GND	+120	-3.3	+1.3	—	—
V302	12AU7	CATHODE FOLLOWER	+150	+2	+5.2	6.3 AC	6.3 AC	+75	-12	+7	GND
		XTAL OSCILLATOR		3 RF	1.4 RF			17.5 RF	18 RF	8.2 RF	

NC= NO CONNECTION

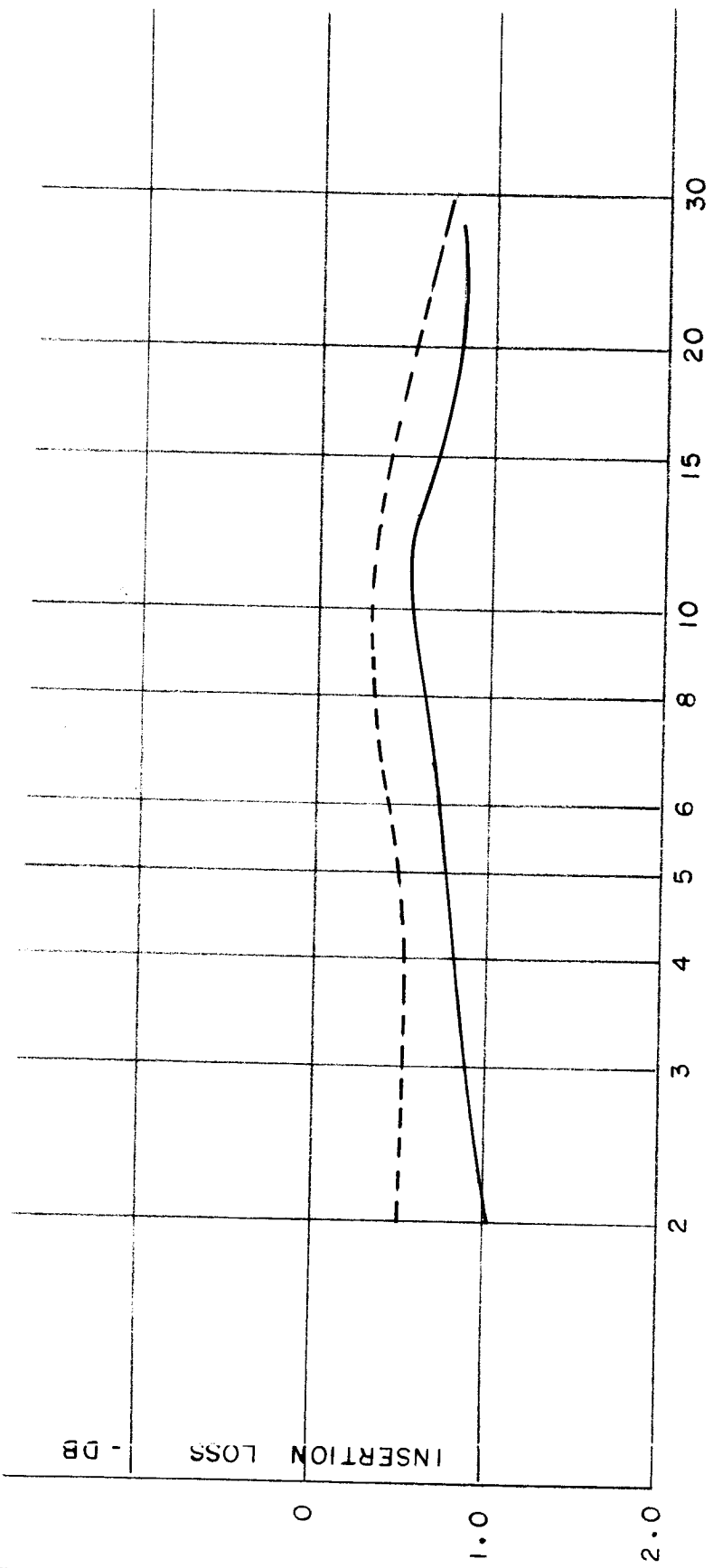
ALL CONDITIONS WHICH ARE LISTED BELOW APPLY TO BOTH CHARTS "A" & "B" EXCEPT WHERE MARKED "A" & "B" ONLY.

ALL VOLTAGES ARE "DC", EXCEPT THOSE MARKED "RF" OR "AC," ALL MEAS. TO GND.

1. LINE VOLTAGE: 110V AT 60 CPS.
2. FUNCTION SW.: CHART "A" ONLY-"EXCITER"
CHART "B" ONLY-"CAL"
3. AMPL. PLATE SW: "ON"
4. M.O. APPROX. FREQ.: 2,022,000 CPS
5. J-203 IS TERMINATED WITH 72 Ω RESISTIVE LOAD, 10W RATING
6. THE "OUTPUT CONTROL" SET AT MAX. OUTPUT
7. CHART "A" ONLY: BANDSWITCH SET AT "2-4" MCS. TUNING CONTROL ADJUSTED FOR MAX. BRIGHTNESS ON "TUNING INDICATOR".
8. VOLTMETER USED: HIGH IMPEDANCE, LOW INPUT CAPACITANCE SUCH AS HEWLETT PACKARD 610B OR EQUIVALENT.

A. J. J.

REQ. PER UNIT	MODEL	USED ON	CH-147
		ASSY. NO.	
		DATE	



--- 600 Ω TERMINATION
 ——— 270 Ω TERMINATION

REQ. ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
TOLERANCES							INSERTION LOSS			
SCALE:							TR-128			
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							CHECKED			
DEC. DIM. \pm							DRAWN			
FRAC. DIM. \pm							ELEC. DES. APP. MECH. DES. APP.			
ANGULAR DIM. \pm							FINISH & SPEC. NO.			
							CH-147			

CH-149

USED ON

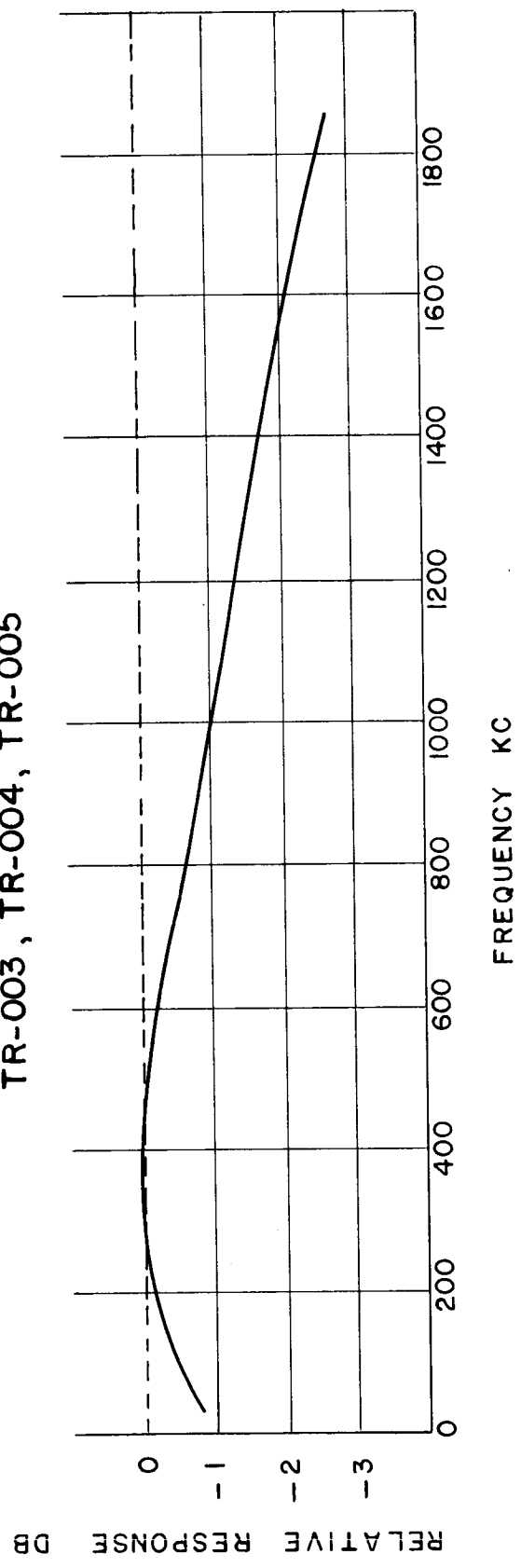
MODEL

REQ. PER UNIT

ASSY. NO.

DATE

FREQUENCY RESPONSE
TR-003, TR-004, TR-005

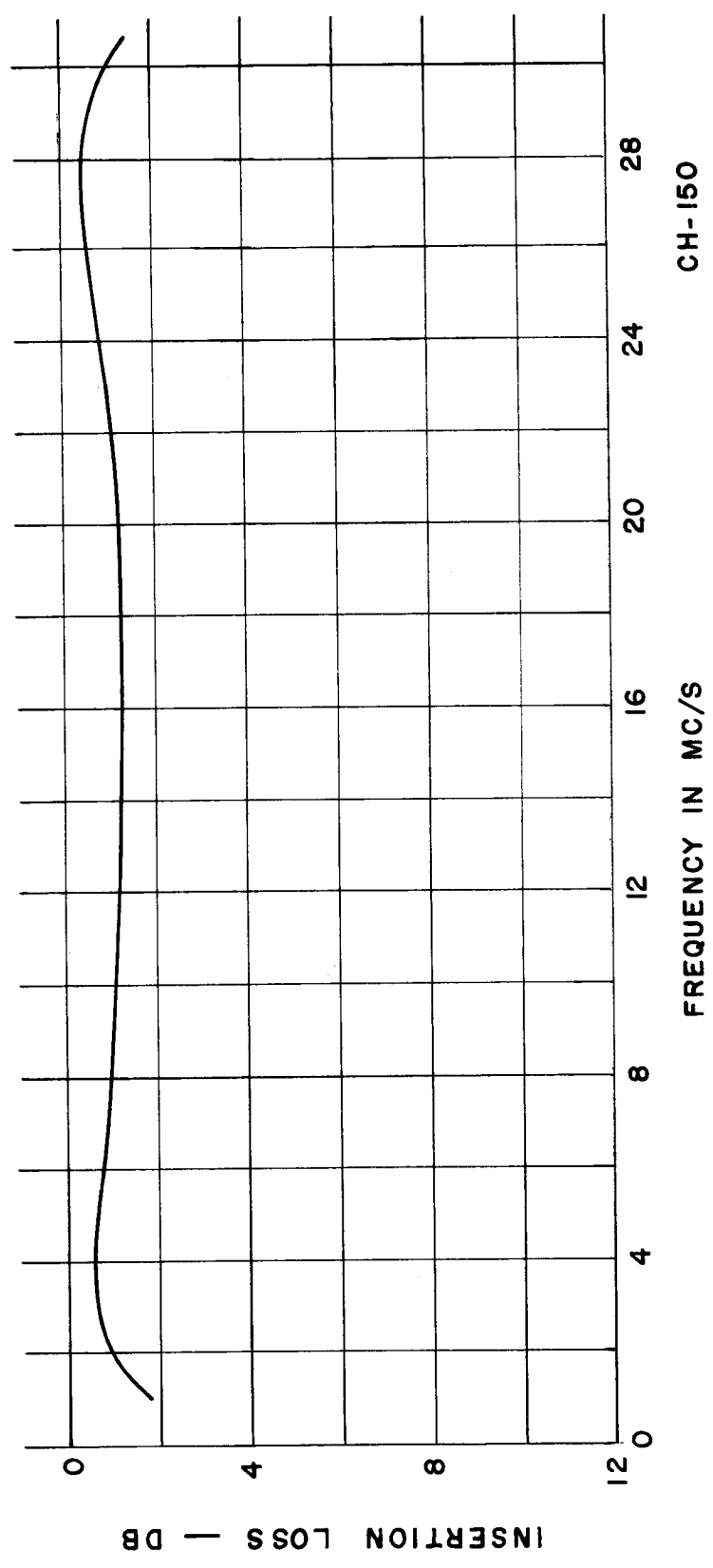


REQ. ITEM	DESCRIPTION	SYMBOL
	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
	FREQUENCY RESPONSE	
	TR-003, TR-004, TR-005	
	STOCK SIZE	
	MATERIAL	
	TYPE & TEMPER	HEAT TREAT. SPEC.
	FINISH & SPEC. NO.	ELEC. DES. APP. MECH. DES. APP.
	CH. NO.	DRAFTS
	DATE	CHECKER
	CHANGED FROM	ENG. APP.
	TOLERANCES	
	SCALE:	
	MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES	
		FINAL APPROVAL
		CH-149

REQ. PER UNIT	USED ON	
	MODEL	DATE
	ASS'Y. NO.	

CH-150

INSERTION LOSS FREQUENCY CHARACTERISTICS
TR-001



REQ. ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	SYMBOL
TOLERANCES							
DEC. DIM. ±	MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.						
FRAC. DIM. ±							
ANGULAR DIM. ±	REMOVE ALL BURRS AND SHARP EDGES						
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL			
		JAD 4/16/56		ARB			CH-150
PART NO.		MATERIAL		DESCRIPTION			
				THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK			
STOCK SIZE		MATERIAL		INSERTION LOSS VS FREQUENCY			
				TR-001			
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.			

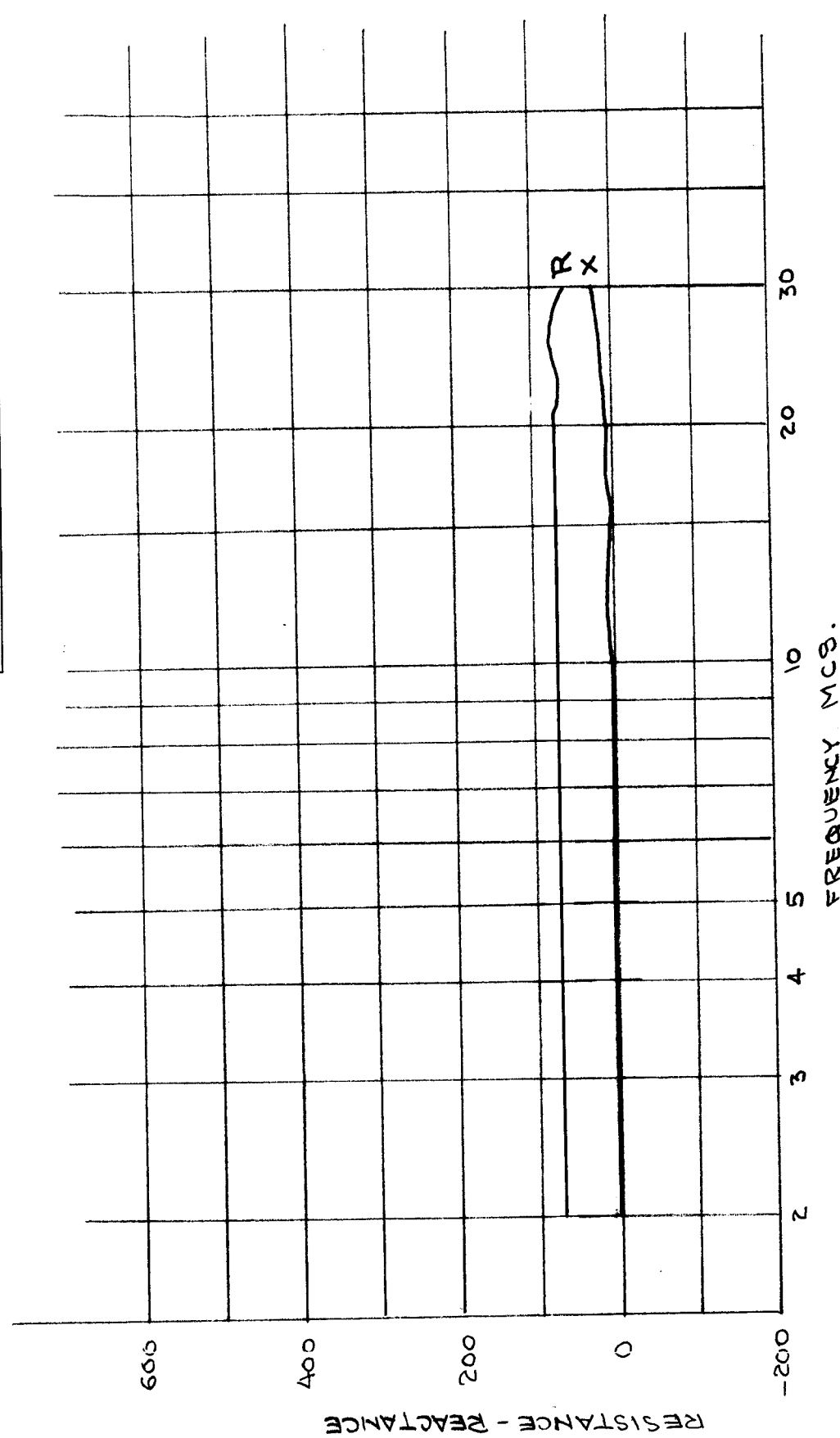
CH-152

Output f (MCS) Frequency	P.A. Band (MCS)	Power Input Appx. 1200 W.				Power Input Appx. 750 W.			
		Load Impedance 52Ω non-reactive		Load Impedance 150Ω non-reactive		Load Impedance 52Ω non-reactive		Load Impedance 150Ω non-reactive	
		P.A. Tuning (appx) No. (appx)	Antenna Loading (appx) No. (appx)	P.A. Tuning (appx) No. (appx)	Antenna Loading (appx) No. (appx)	P.A. Tuning (appx) No. (appx)	Antenna Loading (appx) No. (appx)	P.A. Tuning (appx) No. (appx)	Antenna Loading (appx) No. (appx)
2.0	2.0-2.5	02.2	45	00.1	40	02.7	65*	01.4	65
2.5	2.0-2.5	03.1	10	00.9	35	03.6	50*	02.6	00
2.5	2.5-3.0	02.6	20	00.7	40	03.3	65*	01.8	15
3.0	2.5-3.0	09.6	60	07.9	65	09.9	15	09.0	40
3.0	3.0-4.0	03.1	00	01.2	30	04.0	40*	02.8	00
4.0	3.0-4.0	12.5	55	11.1	70	12.7	25	11.9	55
4.0	4.0-6.0	05.7	10	04.0	35	06.6	55*	05.6	00
6.0	4.0-6.0	16.5	65	15.8	70	16.8	35	16.4	55
6.0	6.0-8.0	10.5	40	09.4	60	10.8	00	10.3	40
8.0	6.0-8.0	16.6	75	16.0	80	17.1	55	16.4	70
8.0	8.0-12	12.8	55	11.9	70	13.2	30	12.5	60
12	8.0-12	19.1	85	18.6	90	19.3	70	18.9	85
12	12-16	18.0	75	17.4	90	18.3	65	17.8	80
16	12-16	21.0	95	20.5	95	21.2	85	20.7	90
16	16-24	17.0	75	16.6	80	17.3	50	16.9	55
24	16-24	21.0	80	20.7	85	21.2	75	20.9	80
24	24-32	18.6	75	18.3	80	18.8	70	18.5	75
32	24-32	22.1	70	21.9	75	22.2	65	22.0	70

The Antenna Loading switch is set in position #2, except when indicated by * position #1 is used.

PA Tuning (appx)
GPT: 750
CH-152

REQ. PER UNIT	USED ON	CH-162
	MODEL	
	ASS'Y. NO.	
	DATE	
	TER-5000 (10)	

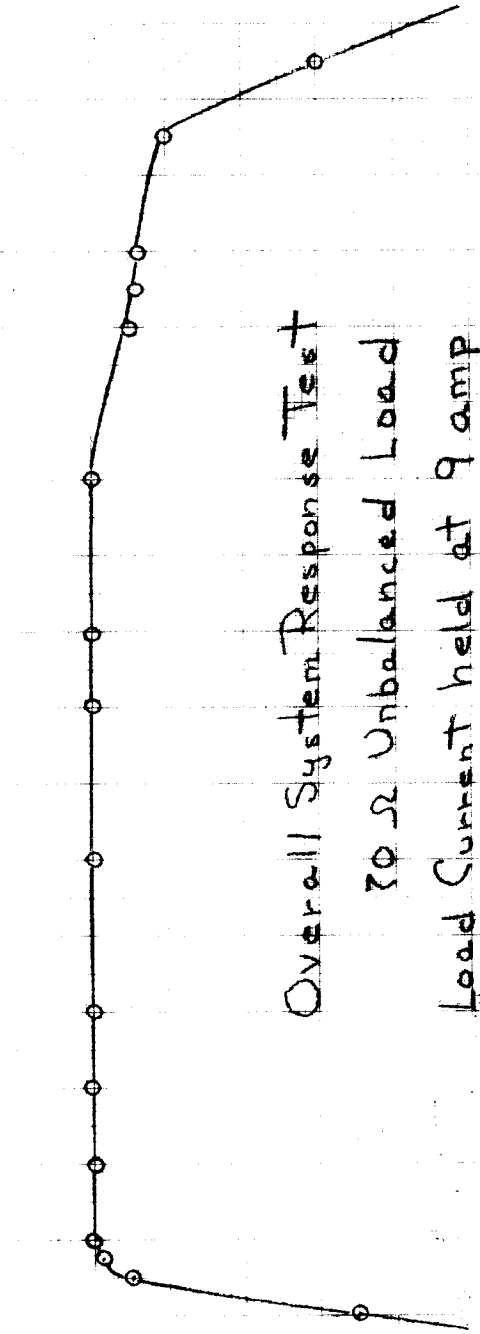


REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
	STOCK SIZE	IMPEDANCE CHARACTERISTICS	
	MATERIAL	THE MODEL TER-5000 (10)	
	TYPE & TEMPER	Q.F.G.	
	HEAT TREAT. SPEC.	Q.F.G.	
	FINISH & SPEC. NO.	CHECKED	FINAL APPROVAL
			CH-162

SCALE:
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
 REMOVE ALL BURRS AND SHARP EDGES

TOLERANCES
 DEC. DIM. ±
 FRAC. DIM. ±
 ANGULAR DIM. ±

Audio Input Level dBm



Overall System Response Test
 30 Ω Unbalanced Load
 Load Current held at 9 amp
 Model GPT 10K

NOTICE TO PERSONS RECEIVING THIS DRAWING

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Property of:

THE TECHNICAL MATERIEL CORPORATION
 MAMARONECK, NEW YORK

Upper Sideband
 Spec # CAA-R-1099a
 Date Dec 13 1957

Date June 18 1959
 Serial # 131
 TMC Test by D. G. ...
 FAA Inspector - William A. Walker
 Contract # Cea-33715
 P.O. # 8-2285-1

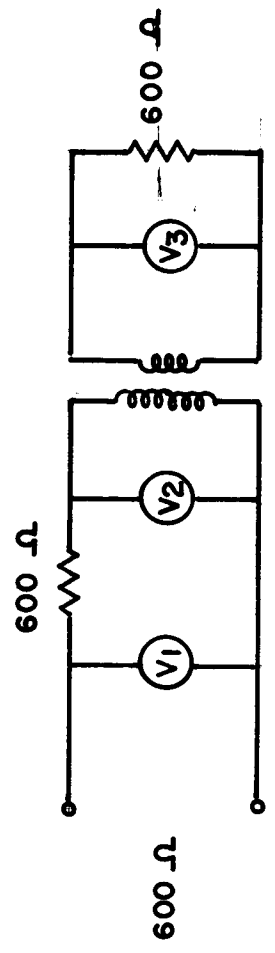
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

Freq. CPS

REQ. PER. UNIT	MODEL	USED ON ASS'Y. NO.	DATE

CH-166

f cps	V1	V2	V3
350	1	.53	.45
500			
1000			
1500			
2000			
2500			
3000			
3300			
3500			
4000			



GPT-10K UNIT TESTED

SBE SERIAL NO 237

FA A INSPECTOR

TMC INSPECTOR *David B. Smith*

DATE 6-22-59

CONTRACT NO CCA-33715

PURCHASE ORDER NO B-2285-1

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		TEST OF TMC TF-170	
		600Ω BAL. TO LINE TRANSFORMER	
		DB DB	DB
		DRAWN	CHECKED
		DB DB	DB
		HEAT TREAT. SPEC.	FINAL APPROVAL
		FINISH & SPEC. NO.	CH-166

SCALE:

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

CH-192

CBE-1 SER. NO. _____
CHG-1 SER. NO. _____
CMD-1 SER. NO. _____

CLL-1 SER. NO. _____
TIS-3 SER. NO. _____
CSS-1 SER. NO. _____

CHL-1 SER. NO. _____
CPP-2 SER. NO. _____
APP-3 SER. NO. _____
CPP-1 SER. NO. _____

FREQ. IN MC/S	VOX SETTING	BAND SW	OUTPUT TUNING BAND	OUTPUT POWER PEP	CARRIER SUPPRESS.	DISTORT. FOR 1 WATT PEP	DISTORT. FOR 100 MW
1.750	2.750	3.750	A				
3.750	4.750	5.750	B				
5.750	6.750	7.750	B				
7.750	8.750	9.750	C				
9.750	10.750	11.750	C				
11.750	12.750	13.750	C				
13.750	14.750	15.750	C				
15.750	16.750	17.750	D				
17.750	18.750	19.750	D				
19.750	20.750	21.750	D				
21.750	22.750	23.750	D				
23.750	24.750	25.750	D				
25.750	26.750	27.750	D				
27.750	28.750	29.750	D				
29.750	30.750	31.750	D				
31.750	32.750	33.750	D				

TIS KEYING _____ DATE _____ MODEL: SBG-1

TIS SHIFT _____ MFGR NO. _____

TIS CHANNEL _____ SERIAL NO. _____

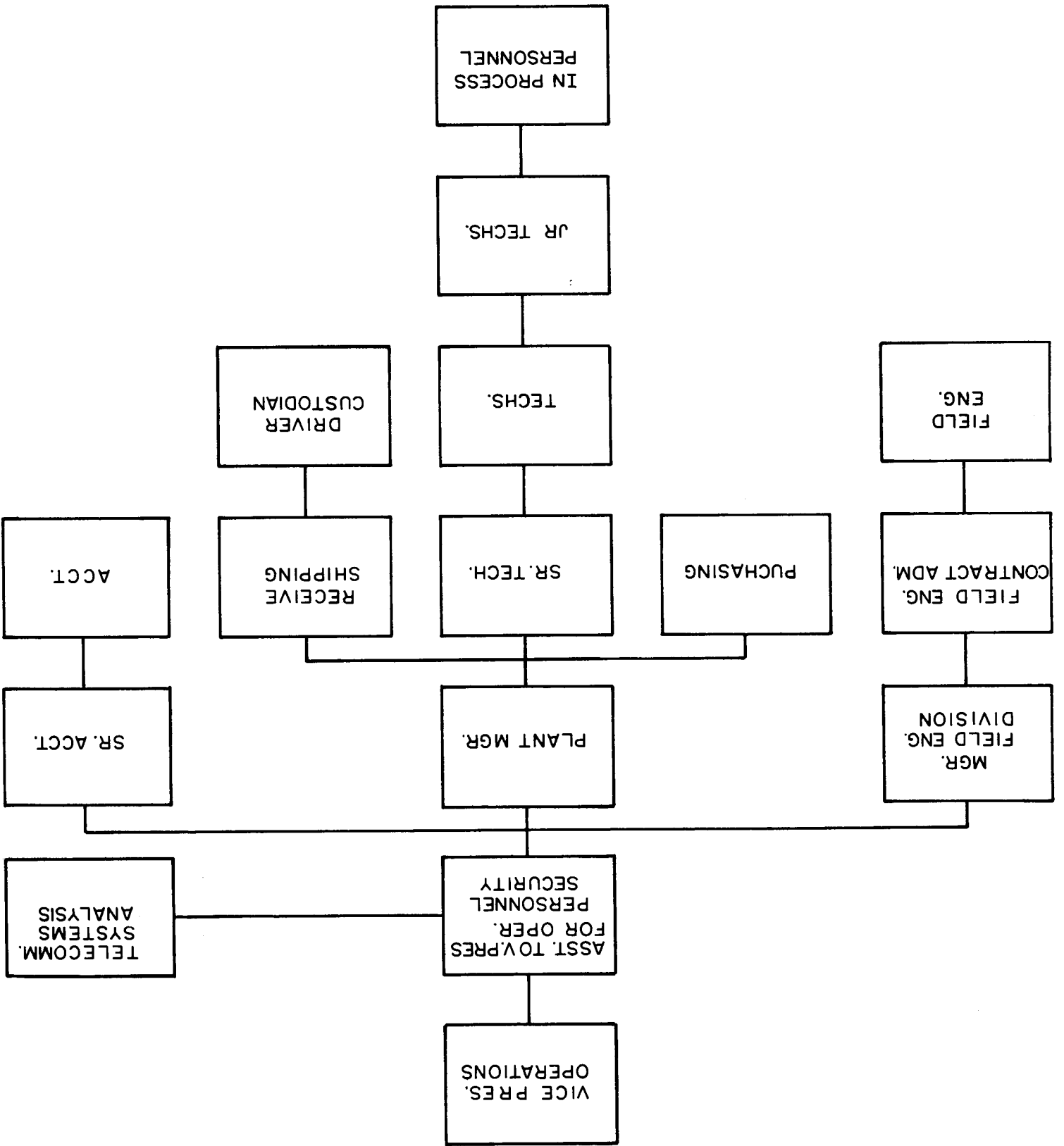
REMARKS: _____ TESTED BY _____

APPROVED BY _____

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

CH-192

ORGANIZATION CHART
T.M.C. SYSTEMS VIRGINIA



CH-197

906

CH-197

C 14-198

THE TECHNICAL MATERIEL CORPORATION
AND
SUBSIDIARIES

THE TECHNICAL MATERIEL CORPORATION
MAIN OFFICE: 700 FENIMORE ROAD
MAMARONECK, NEW YORK

PLANT NO. 1 - (40,000 SQ. FT.)
700 FENIMORE ROAD

MAIN OFFICE
ENGINEERING LABS
SPECIAL PRODUCT PRODUCTION
MACHINE SHOP
METAL PLATING, PROCESSING
TRANSFORMERS
COIL WINDING
CABLE
PATCH PANELS

PLANT NO. 2 - (50,000 SQ. FT.)
700 WAVERLY AVENUE

TRANSMITTER PRODUCTION
TERMINAL EQUIPMENT PRODUCTION
SUB-ASSEMBLY PRODUCTION
TEST & QUALITY CONTROL
STOCK ROOMS
PAINT SHOPS

PLANT NO. 3 - (5,000 SQ. FT.)
705 FENIMORE ROAD

SYSTEMS AND SPECIAL
PRODUCTS ASSEMBLY

PLANT NO. 4

50,000 SQ. FT. OF PRODUCTION
SOON TO BE CONSTRUCTED ON
MINIMUM 10 ACRE TRACT.

TMC INDUSTRIAL CORPORATION
700 WAVERLY AVENUE (6,500 SQ. FT.)

MILITARY PACKAGING
WOOD WORKING SHOP
PLASTIC SHOP

TMC (CANADA) LTD.

OTTOWA, CANADA (18,000 SQ. FT.)

MAIN OFFICE
ENGINEERING LABS
MACHINE SHOP
TEST & QUALITY CONTROL
PRODUCTION SHOP

TMC SYSTEMS (VIRGINIA)

ALEXANDRIA, VA. (5,000 SQ. FT.)
(4,250 SQ. FT. ADJACENT AVAILABLE)
MAIN OFFICE
FIELD ENGINEERING HEADQUARTERS
SYSTEM ENGINEERING
SPECIAL PRODUCTS
REGIONAL MAINTENANCE & REPAIR

TMC SYSTEMS (DALLAS)

GARLAND, TEXAS (3,000 SQ. FT.)

REGIONAL MAINTENANCE & REPAIR
SPECIAL TRANSFORMER PRODUCTION
FIELD ENGINEERING SERVICE

TMC SYSTEMS (FLORIDA)

ORLANDO, FLORIDA
SOON TO BE ACTIVATED

REGIONAL MAINTENANCE & REPAIR
FIELD ENGINEERING SERVICE

TMC SYSTEMS (CALIFORNIA)

SAN DIEGO, CALIFORNIA
SOON TO BE ACTIVATED

REGIONAL MAINTENANCE & REPAIR
FIELD ENGINEERING SERVICE