

5-1-59

DETECTOR COLD TEST

TEMP

AMB	UNIT	NOISE	NOISE + SIGNAL	FREQ.	DIAL	SEN.
66°	66°	.35	.35.7	30 MC	98	1.4
60°	60°	.35	.7		98	1.4
40°	40°	.35	.7		98	1.4
20°	20°	.3	.6		98	1.3
0°	2°	.3	.6		98	1.2
-30	-28°	.32	.62		98	1.3
-40	-38°	.32	.62		98.2	1.2
-50	-48°	.32	.62		98.5	3.6
-65°	-65°	.32	.62	30.12	99.2	1.0

DET. ONLY - NOT MODIFIED (ED-.001 STILL IN USE)

$$10 \text{ MS} = 10 \text{ cm}$$

$$12.4 \text{ cy} = 10 \text{ m.s.}$$

$$CPS = \frac{\text{# of cy}}{\text{time}} = \frac{12.4}{.010} = 1240$$

5/1/54 BS.13.

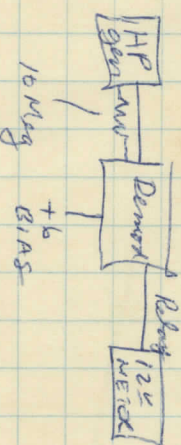
8:30 PM

Detector - in box - 1001 and 6103
capacitor



Detector in box

HP audio osc
input 10 mV
range 10



Input
voltage (log)

freq.

Bias

Remarks

Temp	Time	Reactor	Balancing	Noise + Signal	6080 level	Input voltage (log)	freq.	Bias	Remarks
70	8:30	.25	.75		80% 2 mV	.15 P-P	1090	+5	Range of pulley in relay
20	8:40	.25	.9		"	.35 P-P	1090	+6	"
0	8:43	.24	.9		"				Relay stays in 10 sec after signal removed
-37	8:52	.25	.85		"	.4	1090	+6	pulls in stays in
-44	9:01	.25	.9		"	.41	"	+7 1/2	stays in
-65	9:20	.25	.9		"	.35 & .4	1090	+7 1/2	pulls in stays in and signal reduced

5-1-59

FREQ. (MC)	TEMP		DIAL	SEN.	COLD TEST OF 3004 RCVR.			UNIT NO. 2	SELECTIVITY		AUDIO	
	AMB	UNIT			TP-1	TP-2	TP-3		IMAGE	GDB		GDB
260	78°	78°	93.3	3.5uv	.29	.04	.5		-55DB	57.12	192.78	1180
	60°	60°	93.3	3.5uv	.29	.04	.5					
	40°	40°	93.3	2.6uv	.3	.04	.5					
	20°	21°	93.3	2.6uv	.305	.045	.5					
260.007	0°	0°	93.4	2.6uv	.31	.045	.5					
	-10°	-8	93.5	2.6uv	.315	.5	.5					
	-20°	-18°	93.7									

NOTES: RELAY STUCK
AT 40°

RCVR. QUIT
AT -20°

RELAY CHANGED
AT 30° WORKED
ONCE. THEN STUCK

S-1-59

COLD TEST OF RCVR. 3004 UNIT #02

FREQ.(MC)	TEMP.		DIAL	SEN.(AIR)	TP			IMAGE	SELECTIVITY	
	AMB	UNIT			TP-1	TP-2	TP-3		GDR	60DB
260	74°	74°	93.8	2.6	.29	.04	.55	-55DB	57.12	180.1
	60°	60°	93.8	2.6	.29	.05	.55			1110
	40°	41°	93.9	2.25	.3	.05	.55			
	20°	21°	94	2.25	.305	.055	.55			1130
	0°	2°	94	2.25	.305	.065	.55			
	-20°	-18°	94.1	2.25	.31	.06	.55			
	-40°	-38°								
	-50°	-48°	94.3	3	.31	.06	.8			1135
260.050	-65°	-65°	94.5	3	.315	.06	.8	-55DB	57.12	180.2
										1140

NOTES:

RELAY STUCK AT 40°

A REFERENCE SET OF 50DB WAS PRESENT, IN THE

608D HP SIGNAL GEN. AND 2000D AUDIO OSC WERE USED.