SECTION 5

TABLE 5-1

BAND 3.5 mcs
AF GAIN F.C.
FUNCTION L.S.B.
RF GAIN F.C.

Signal Levels

SIGNAL INJECTION POINT		GENERATOR OUTPUT f	GENERATOR OUTPUT V	NORMAL INDICATION
V8	Pin 3	1700 CPS	8.6v	1.5w AF O/P
V8	Pin 1	1700 CPS	200mV	1.5w AF O/P
V12	Pin 8	Carrier Osc Injection		0.6v RF
V4	Pin 1	455 kc	260mV	2.5v AVC
V3	Pin 1	455 kc	2.6mV	2.5v AVC
V13	Pin 5	455 kc	4 mV	2.5v AVC
V13	Pin 7	455 kc	1.6mV	2.5v AVC
V13	Pin 7	3055kc	2.6mV	2.5v AVC
V13	Pin 1	VFO Injection		0.6v RF
V2	Pin 5	3055kc	1.6mV	2.5v AVC
V2	Pin 7	3055kc	2 mV	2.5v AVC
V2	Pin 1	3055kc	1.6mV	2.5v AVC
V2	Pin 1	1st Osc. Injection	8	1.5v RF
V1	Pin 7	3600kc	3 mV	2.5v AVC
V1	Pin 2	3600kc	160uV	2.5v AVC
ANT		3600kc	50uV	2.5v AVC

Signal Generator termination impedance 75 ohms
Injection via 0.01 uF condenser except Antenna Measurement.

TABLE 5-2

BAND 3.5 mcs
AF GAIN F.C.C.
FUNCTION L.S.B.
RF GAIN F.C.

Voltage Measurements Receive

VALVE PIN CONNECTIONS										
-	1	2	3	4	5	6	7	8	9	
V 1	0.2	-0.3	0.2	6.3	0	0	210	30	0	RF AMP
V 2	1.3*	1	6.3	0	210	50	0	-	-	1st Mix
V 3	0	0	6.3	0	180	120	2.3	-	-	1st IF
V 4	0	0	6.3	0	190	100	2.2	-	-	2nd IF
V 5	115	0	83	0	6.3	66	1.1	4	3	VFO
V 6	-3.5	0	0	6.3	200	0	140	-	-	1st OSC
V 7	-55	0	0	6.3	90	60	0	CAL	ON	CAL
V 8	0	17	0	0	6.3	205	220	1	180	Aud O/P
V 9	150	-	-	0	150	-	-			Stab
V10	180	0	2.2	0	0	186	0	2.2	6.3	S Mtr
V11	95	0	4	0	0	95	-0.4	0	6.3	Car. Osc.
V12	0	0	0	0	6.3	140	-0.5	0.5	0	Prod. Det.
V13	-0.15	0.9	0	6.3	210	45	0	-	-	2nd Mix

D 3 D 4 Junction 235 v.

* varies with band

TABLE 5-3

Resistance Measurements

	VALVE PIN CONNECTIONS								
	1	2	3	4	5	6	7	8	9
V 1	47	1.3M	47	0	0	0	6.5K	170K	0
V 2	47K	270	0	0	13K	82K	100K		
V 3	1.5M	0	0	0	13K	50K	270		
V 4	1.5M	0	0	0	13K	50K	270		
V 5	14K	68K	70K	0	0	40K	270	680	100,680
V 6	100K	0	0	0	13K	0	65K		
V 7	1M	0	0	0	125K	270K	0	CAL	ON
V 8	1M	470	470k	0	0	3.9K	2.9K	2.2K	240K
V 9	8K	0	-	0	8K	-	0		
V10	12K	0	300	0	0	12K	600K	300	0
V11	40K	100K	INF	0	0	40K	100K	4	0
V12	0	0	0	8	0	70K	360K	680	0
V13	47K	270	0	0	13K	85K	100K		

D3, D4 Junction 3K