Schematic


NOTE
ALL VOLTAGES MEASURED FROM PC BOARD
GROUND WITH D.C VTVM AT NO SIGNAL
(AT 13.8V POWER SUPPLY) IF MEASUREMENT
VALUES OBTAINED ARE IN EXCESS OF ±20%
OF VALUES SHOWN. THEN REASON FOR
DIFFERENCE SHOULD BE CORRECTED
Δ TX : □ LSB , ( ) AM TX
CHASSIS GND
PC BOARD GND
* ADJUSTED (TYPICAL VALUE SHOWN)
PTBM131A4X
PTSW146A0X
PTLD085A0X
PTZZ080A0X
V.C.O MIXER
IC 2
TA7310P
MIXER RF ALC
IC 3
RF PRE AMP
RF DRIVER
RF POWER
DC SWITCH
OSC 1
OSC 2
OSC 3
IC1
PLL02
IC4 AN612
SSB IF AMP
AM IF AMP
SSB AGC
SSB DET
RF AMP
MIXER
AM IF AMP
AVR
NOISE BLANKER
SQUELCH
AF PRE AMP
AF AMP
IC 6
AN7140
DC SWITCH BUFFER
FM DET
IC5 AN240
AF ALC
REAR PANEL
ANT
PA
EXT SP
SP
D.C
KEY
E: EMITTER
C: COLLECTOR
B: BASE
S: SOURCE
G: GATE
D: DRAIN
BOTTOM VIEW
SIDE VIEW
TA7310P
AN612
TA7140
MIC UNIT
FRONT PANEL
VOLUME
SQUELCH
METER
CLARI-FIER
SW3 BAND
S2 DX / LOC
SW2 CW/LSB/USB/AM/FM MODE
S6 TONE
S4 NB
S3 ANL
S7 RF POW

Frequency/Channel Chart

A-Band		B-Band		C-Band		D-Band		E-Band	
Channel	MHz Frequency	Channel	MHz Frequency	Channel	MHz Frequency	Channel	MHz Frequency	Channel	MHz Frequency
1	26.065	1	26.515	1	26.965	1	27.415	1	27.865
2	26.075	2	26.525	2	26.975	2	27.425	2	27.875
3	26.085	3	26.535	3	26.985	3	27.435	3	27.885
4	26.105	4	26.555	4	27.005	4	27.455	4	27.905
5	26.115	5	26.565	5	27.015	5	27.465	5	27.915
6	26.125	6	26.575	6	27.025	6	27.475	6	27.925
7	26.135	7	26.585	7	27.035	7	27.485	7	27.935
8	26.155	8	26.605	8	27.055	8	27.505	8	27.955
9	26.165	9	26 615	9	27.065	9	27.515	9	27.965
10	26.175	10	26.625	10	27.075	10	27.525	10	27.975
11	26.185	11	26.635	11	27.085	11	27.535	11	27.985
12	26.205	12	26.655	12	27.105	12	27.555	12	28.005
13	26.215	13	26.665	13	27.115	13	27.565	13	28.015
14	26.225	14	26.675	14	27.125	14	27.575	14	28.025
15	**26.235**	15	26.685	15	27.135	15	27.585	15	28.035
16	26.255	16	26.705	16	27.155	16	27.605	16	28.055
17	**26.265**	17	26.715	17	27.165	17	27.615	17	28.065
18	26.275	18	26.725	18	27.175	18	27.625	18	28.075
19	26.285	19	26.735	19	27.185	19	27.635	19	28.085
20	26.305	20	26.755	20	27.205	20	27.655	20	28.105
21	26.315	21	26.765	21	27.215	21	27.665	21	28.115
22	26.325	22	26.775	22	27.225	22	27.675	22	28.125
23	26.355	23	26.805	23	27.255	23	27.705	23	28.155
24	**26.335**	24	26.785	24	27.235	24	27.685	24	28.135
25	26.345	25	26.795	25	27.245	25	27.695	25	28.145
26	26.365	26	26.815	26	27.265	26	27.715	26	28.165
27	26.375	27	26.825	27	27.275	27	27.725	27	28.175
28	26.385	28	26.835	28	27.285	28	27.735	28	28.185
29	26.395	29	26.845	29	27.295	29	27.745	29	28.195
30	26.405	30	26.855	30	27.305	30	27.755	30	28.205
31	26.415	31	26.865	31	27.315	31	27.765	31	28.215
32	26.425	32	26.875	32	27.325	32	27.775	32	28.225
33	26.435	33	26.885	33	27.335	33	27.785	33	28.235
34	26.445	34	26.895	34	27.345	34	27.795	34	28.245
35	26.455	35	26.905	35	27.355	35	27.805	35	28.255
36	26.465	36	26.915	36	**27.365**	36	27.815	36	28.265
37	26.475	37	26.925	37	27.375	37	27.825	37	28.275
38	26.485	38	26.935	38	27.385	38	27.835	38	28.285
39	26.495	39	26.945	39	27.395	39	27.845	39	28.295
40	26.505	40	26.955	40	27.405	40	27.855	40	28.305