208/240 @ 20A
AC INPUT

LINE 1
SAFETY GND
LINE 2

TB1-1 TB1-2 TB1-3 TB1-4

A8
AC DIST. ASSY. EXCITER
1245-1500

IEC OUTLETS

J1 J2 J3 J4 J5 J6 J7 J8

TO A1-J14
TO A25-J2
TO A26-J1
TO A4-J2
TO A5-J2
TO A6-J8
TO A7-J2

AC LINE CORDS TO ALL TRAYS

P/O A9
REMOTE INTERFACE ASSY.
1245-1801

J9-1 OPER IND
J9-2 RTN
J9-3 STANNDBY IND
J9-4 PWR LOWER
J9-5 RTN
J9-6 PWR RAISE
J9-7 VIDEO LOSS
J9-8 RTN

J9-26 EXCITER METERING
J9-27

J11-1 +12V
J11-2 ENABLE
J11-3 RTN
J11-4 +12V
J11-5 ENABLE
J11-6 RTN
J11-34 FAN ENABLE
J11-35 +12V
J11-36 FAN ENABLE
J11-37 +12V

BNC J12 J10-1 J10-2
SEE NOTE 4 RG-55
SIDE A DRIVER RF
DRIVER O/P PWR.
IEC CONN. TO A8-J4

BNC J13 J10-3 J10-4
SEE NOTE 4 RG-55
SIDE B DRIVER RF
DRIVER O/P PWR
IEC CONN. TO A8-J5

J10-6 COMB. AUR. PWR
J10-5
J10-8 COMB. VIS. PWR
J10-7
J10-10 COMB. REFL
J10-9
J11-7 ALC REF.
J11-8
J11-9 ALC REF.
J10-10
J11-11 ALC REF.
J11-12
J11-13 ALC REF.
J11-14
J11-15 ALC REF.
J11-16
J11-17 ALC REF.
J11-18
J11-20 ALC REF.
J11-21
J11-22 ALC REF.
J11-23
J11-24 ALC REF.
J11-25
J11-26 ALC REF.
J11-27
J11-28 ALC REF.
J11-29
J11-30 REJECT PWR
J11-31
J10-11 SIDE A FWD.
J10-12
J10-14 SIDE A REFL.
J10-15
J10-16 SIDE B REFL.
J10-17
J10-18 SIDE B FWD.
J10-19
J10-20
J10-21

A3
SPLITTER
ZFSC-2-2SMA

1 SMA
2 SMA
S SMA

RF O/P #2 RG-55 BNC
SEE NOTE 3

ALC REF.

A4
PHASE/GAIN
TRAY
1245-1200

J1
J5-7
J5-5
J5 IS A 15 POS "D" CONN.
J5-8
J5-15

A5
PHASE/GAIN
TRAY
1245-1200

J5 IS A 15 POS "D" CONN.

A6
METERING PANEL
1136811
OR
1136812

J10 IS A 37 POS "D" CONN.
J11 IS A 15 POS "D" CONN.

J11-9
J11-10
J11-12
J11-13
J10-30
J10-31
J10-12
J10-11
J10-9
J10-8
J10-7
J10-6
J10-5
J10-4
J10-3
J10-2
J10-1
J10-27
J10-26
J10-25
J10-24
J10-23
J10-22
J10-21
J10-20
J10-18
J10-17
J10-16
J10-15
J10-37
J10-36
J11-7
J11-8
J11-6
J11-5
J11-1
J11-2
J11-3
J11-4

RF O/P #1 RG-55 SEE NOTE 3

ALC REF.

ALC REF.

ALC REF.

J10-28
J10-29
J10-14
J10-13
J10-33
J10-32

IEC CONN TO A8-J6
J8

RG-55

BNC

RG-174

IEC CONN TO A8-J3

COMBINED REFL. PWR.

A26
10 MHz REFERENCE TRAY
(OPTIONAL)

J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J14 J15

SMA J1 J2 J3 J4 J5 J6 J7

RG-55 FWD. O/P SAMPLE
RG-55 SIDE A FWD. SAMPLE
RG-55 SIDE A REFL. SAMPLE
RG-55 SIDE B FWD. SAMPLE
RG-55 SIDE B REFL. SAMPLE
RG-55 REJECT SAMPLE
RG-55 REFL. O/P SAMPLE

SMA J14 J15 J16 J17 J18 J19 J20

A7
VHF/UHF
RECEIVER
TRAY
(OPTIONAL)
1265-1100

J2 TO A8-J7
IEC CONN
J14 TO A8-J1
IEC CONN

OPTIONAL DIGITAL IF I/P
BNC J6
SEE NOTE 5

J4 BNC RCVR IF RG-55 BNC J6
J3-4
J3-3 RCVR ALC J11-34 J11-11

J3 IS A 15 POS "D" CONN.

J5 J1

"F" 75 OHM I/P RG-59
"N" 50 OHM I/P RG-55

"F" J3
"N" J1

A1
EXCITER

J10-3 J10-16 J10-4 J10-12 J10-13 J10-11 J11-25 J11-31
J10-10 J10-22 J11-18 J11-4 J11-14 J11-19 J11-5 J11-15 J11-2 J11-16 J11-3 J11-17
J10-7 J10-19 J10-6 J10-18
J11-35
J11-1
SMA J9

J7 IS A 9 POS "D" CONN.
J10 IS A 25 POS "D" CONN.
J11 IS A 37 POS "D" CONN.

EXTERNAL 10 MHz REF

IEC CONN TO A8-J2

RG-55 10 MHz REF.

TB1-(-) TB1-GND TB1-(+)

BLACK
RED

BNC J1 VIDEO RG-179
BNC J3 COMP. AUDIO RG-179
BNC J12 AUR I.C. INPUT RG-55
J11-22 STANDBY
J11-21 RTN
J11-20 OPERATE
J11-9 MANUAL
J11-36 RTN
J11-8 AUTO
J11-24 INTERLOCK
J11-23 RTN
J11-37 VSWR CUTBACK IND.

J11-12 RCVR FAULT
J11-10 MOD. SELECT
J11-28 RTN
J11-7 EXC AUTO MODE IND
J11-32 RTN
J11-6 EXC MAN MODE IND

J7-1
J7-2
J7-3
J7-4
J24
J25
J23

RG-55
50 KHz O/P BNC
IF OSC SAMPLE BNC
CH OSC SAMPLE BNC
CHANNEL AFC
IF AFC
RG-188

A25
(OPTIONAL)
PRECISE FREQ CONT. TRAY
1294-1153 + OFFSET
1294-1154 0 OFFSET
1294-1155 - OFFSET
J7 IS A 9 POS "D" CONNECTOR

J8 J2
J6
J5
J7-4
J7-3
J7-2
J7-1
J1 BNC

OVER TEMP
OVER TEMP RTN

J11-32
J11-33

TB1-(-) TB1-GND TB1-(+)
BALANCED AUDIO INPUT

J8-1
J8-2
J8-3
J8-4
J8-5
J8-6
J7-1
J7-2
J8-7
J8-9
J8-10
J8-11
J9-30
J9-31
J9-32

J7 IS A 9 POS "D" CONN
J8 IS A 25 POS "D" CONN
J9 IS A 37 POS "D" CONN
J10 IS A 25 POS "D" CONN
J11 IS A 37 POS "D" CONN

P/O A9
REMOTE INTERFACE ASSY.
1245-1801

NOTES:
1) ALL SINGLE WIRE IS 22 AWG UNLESS NOTED OTHERWISE.
2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.
3) RF OP #1 & RF OP #2 MUST BE EQUAL LENGTH CABLES.
4) SIDE A RF & SIDE B RF MUST BE EQUAL LENGTH CABLES.
5) THE CABLE FROM A7-J4 TO A1-J6 IS NOT USED WHEN THE OPTIONAL DIGITAL IF INPUT KIT (1281-1031) IS USED IN THE EXCITER.

REV	ECO	DATE	APV
C	2011021	05/21/02	LRT
B	2010141	11/20/01	LRT
A	2009994	7/26/01	LRT
1	9317	5/16/98	RE

C0 2011021 05/21/02 LRT — CHANGED NOTE ON A7 TO READ "J3 IS A 15 POS "D" CONN". CHANGED A6 TO "1136811 OR 1136812; DELETED "1245-1100" FROM A1.

B0 2010141 11/20/01 LRT — ADDED WIRES FROM A1-J11-2,3,16&17 TO A9-J11-34,36, 35&37. CDD

A0 2009994 7/26/01 LRT — ADDED J6 OPTIONAL DIGITAL IF I/P TO A1 EXCITER. ADDED NOTE 5. (MAS)

1 9317 5/16/98 RE — ADD "TO A25-J2 TO A8-J2" AND "TO A26-J1 TO A8-J3. ADD OPTIONAL PRECISE FREQUENCY TRAY (A25) AND CONNECTIONS TO A1 EXCITER; ADD OPTIONAL A26 10 MHz TRAY, RG-55 FROM A26-J2, BNC TO A25-J1, BNC. PWN

Axcera

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MATERIAL ----

FINISH ----

TITLE: I/C, SINGLE UHF EXCITER ASSEMBLY (1278-1400)

DWN	SJM	7/18/96	DWG. NO. 1278-8400	REV. C0
CHK	RE	7/19/96		
REL	RE	7/19/96	D SCALE --	SHEET 1 OF 1