Modification on FCC ID : EW780-4177-B6

The FCC ID : EW780-4177-B6 applys to both Sony SPP-900 & VTECH VT9108. Both models are using the same electronics & share the same PCB. The only difference is the cosmetic.

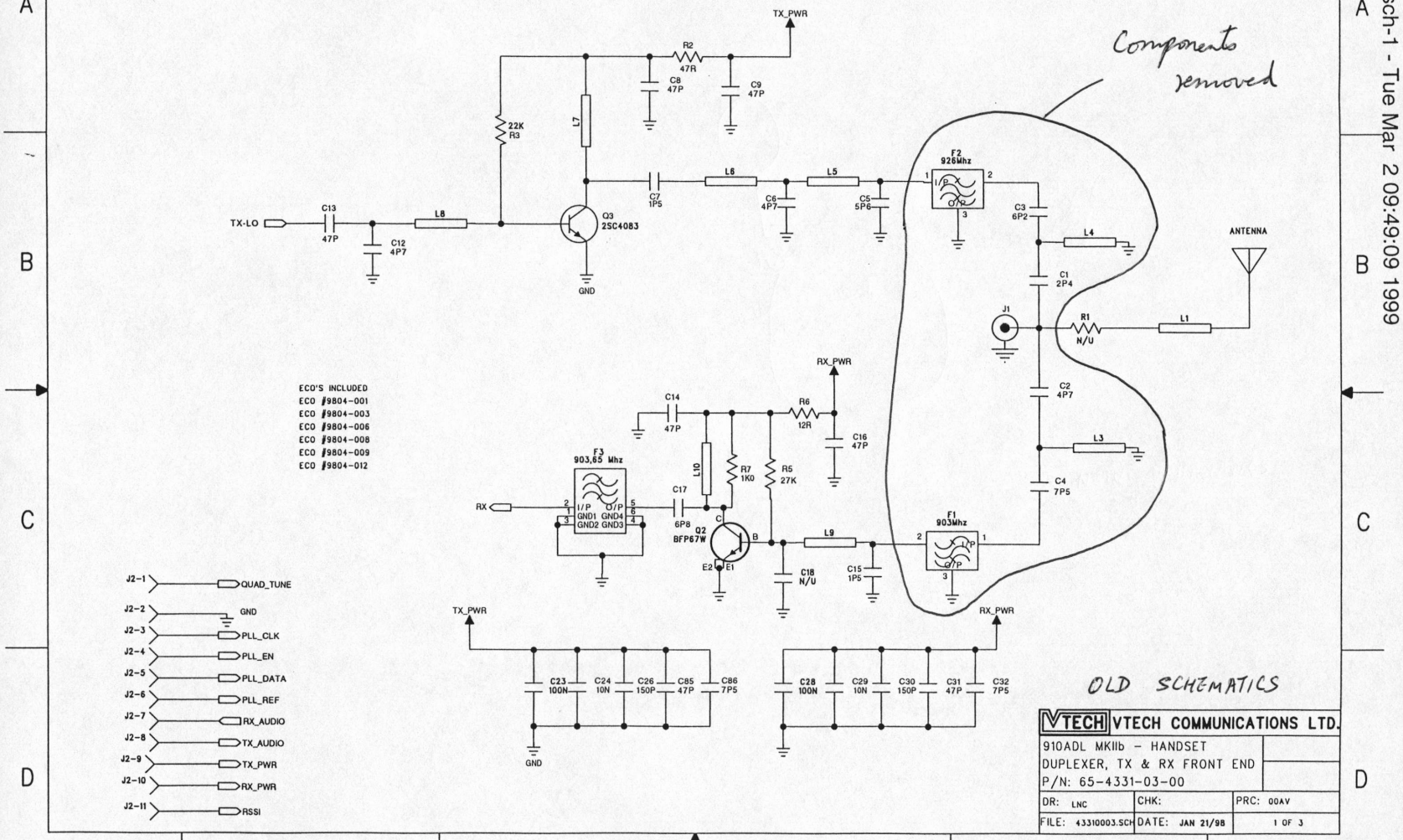
The modification made is basically replacing the 2 ceramic filters & a few components by a Saw Duplexer.
Details component changes are list as follows :-

Handset RF board :
1) Remove ceramic filter F1, F2
2) Remove inductor L3, L4
3) Remove capacitor C2, C3, C4
4) Add Saw Duplexer F1

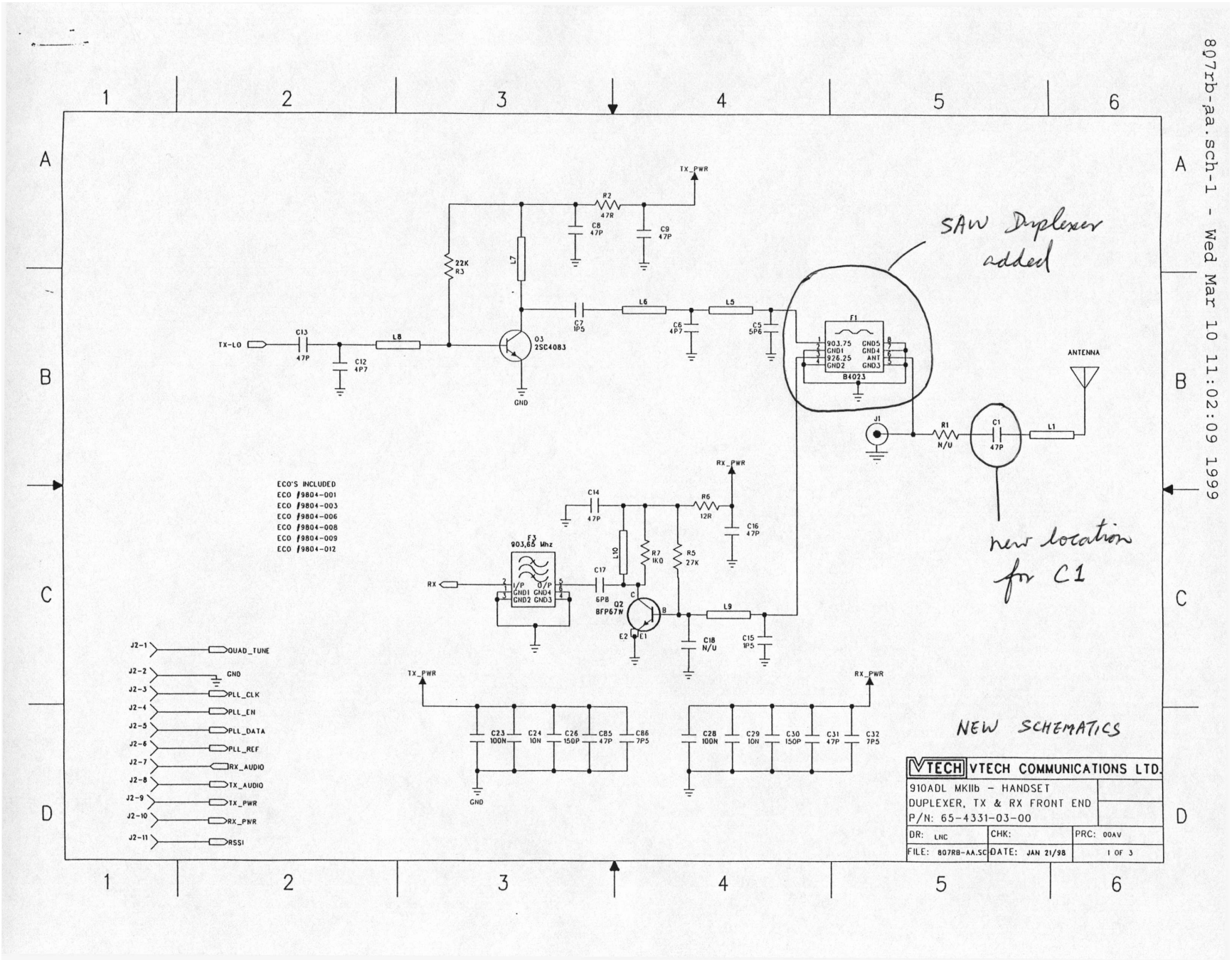
Base RF board :
5) Remove ceramic filter F1, F2
6) Remove inductor L3, L4
7) Remove capacitor C1, C2, C3, C4
8) Add Saw Duplexer F1

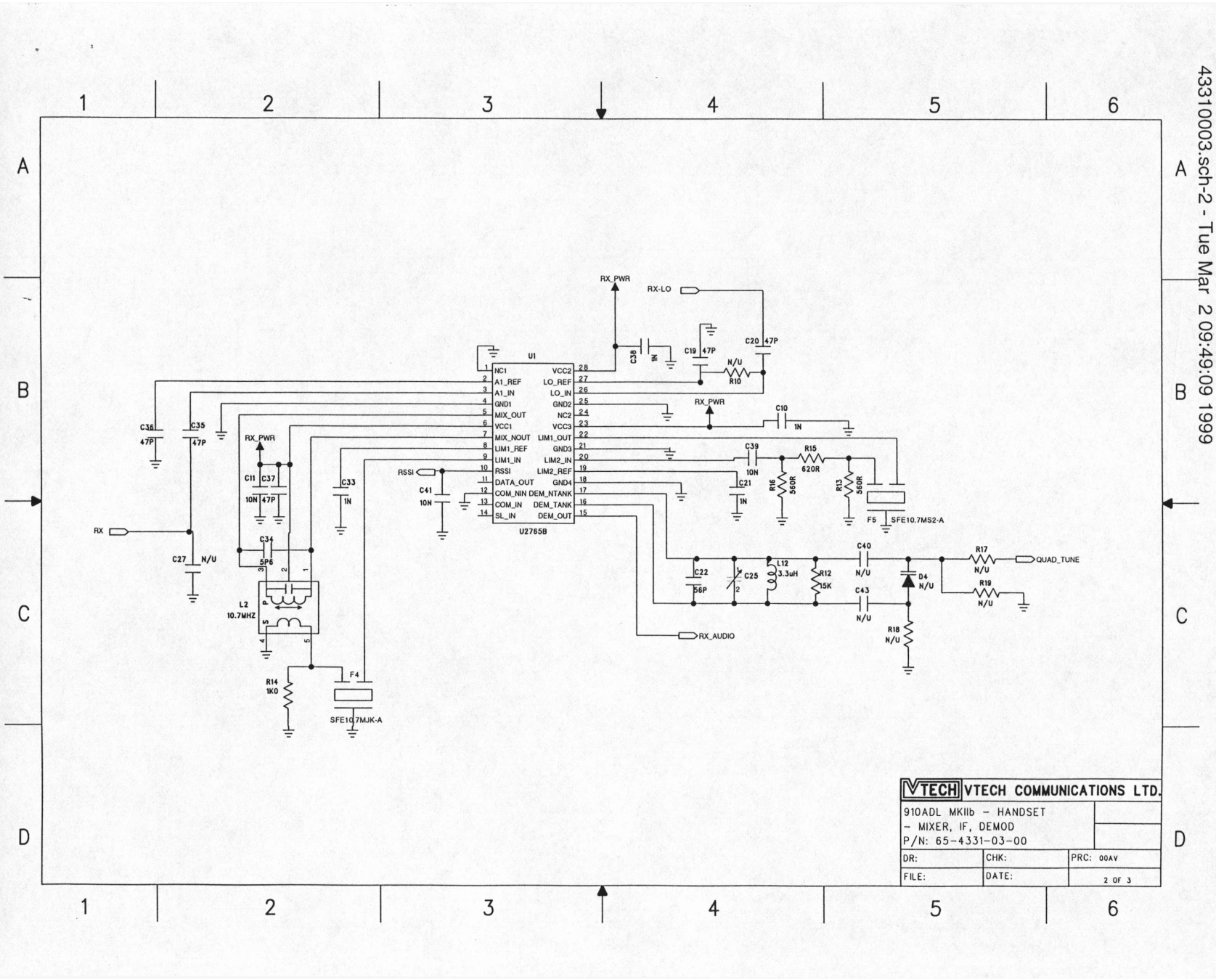
Handset RF circuitry Sheet 1 of 3 (old) -- Page 2
Handset RF circuitry Sheet 1 of 3 (new) -- Page 3
Handset RF circuitry Sheet 2 of 3 -- Page 4
Handset RF circuitry Sheet 3 of 3 -- Page 5

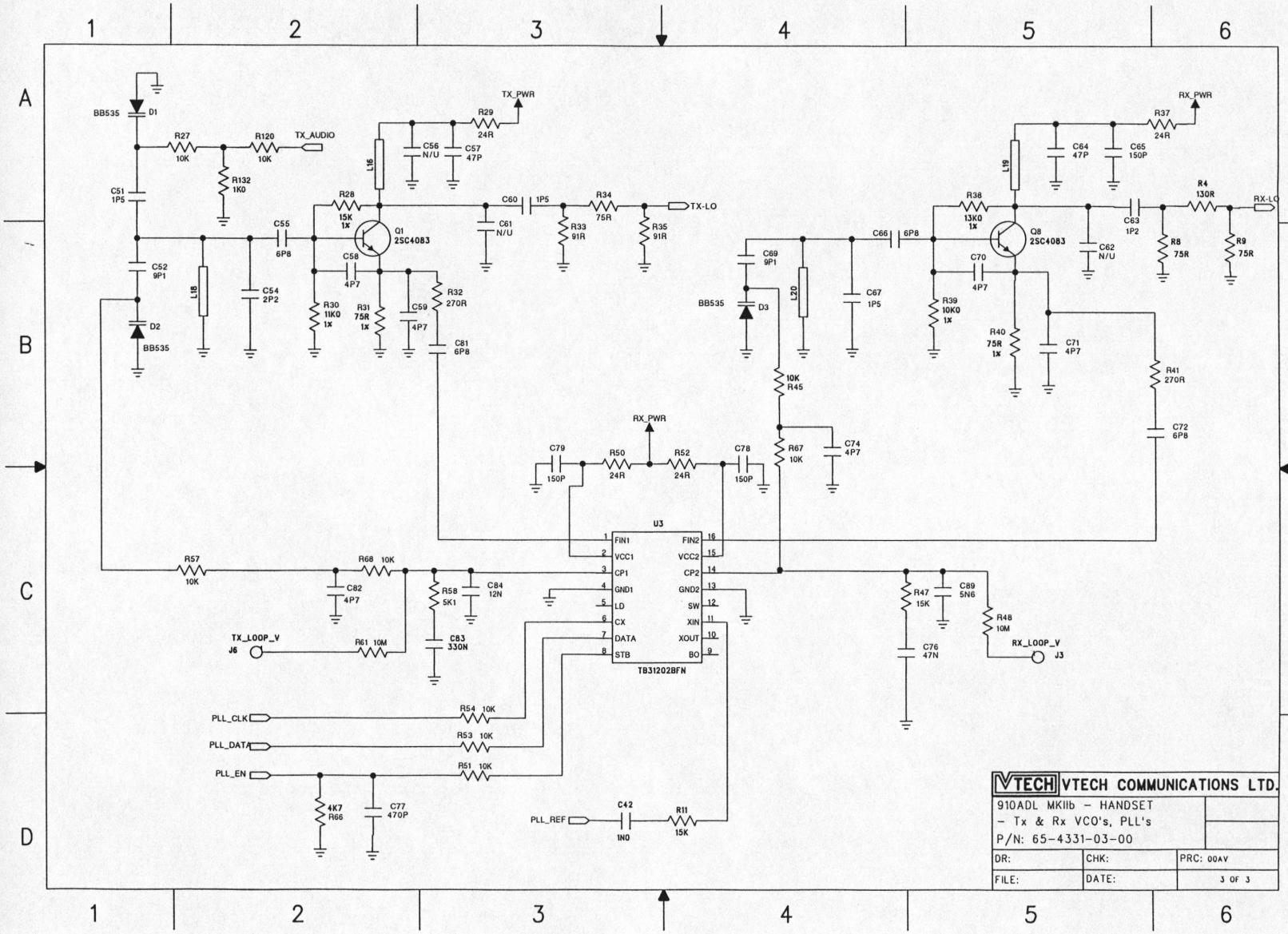
Base RF circuitry Sheet 1 of 3 (old) -- Page 6
Base RF circuitry Sheet 1 of 3 (new) -- Page 7
Base RF circuitry Sheet 2 of 3 -- Page 8
Base RF circuitry Sheet 3 of 3 -- Page 9



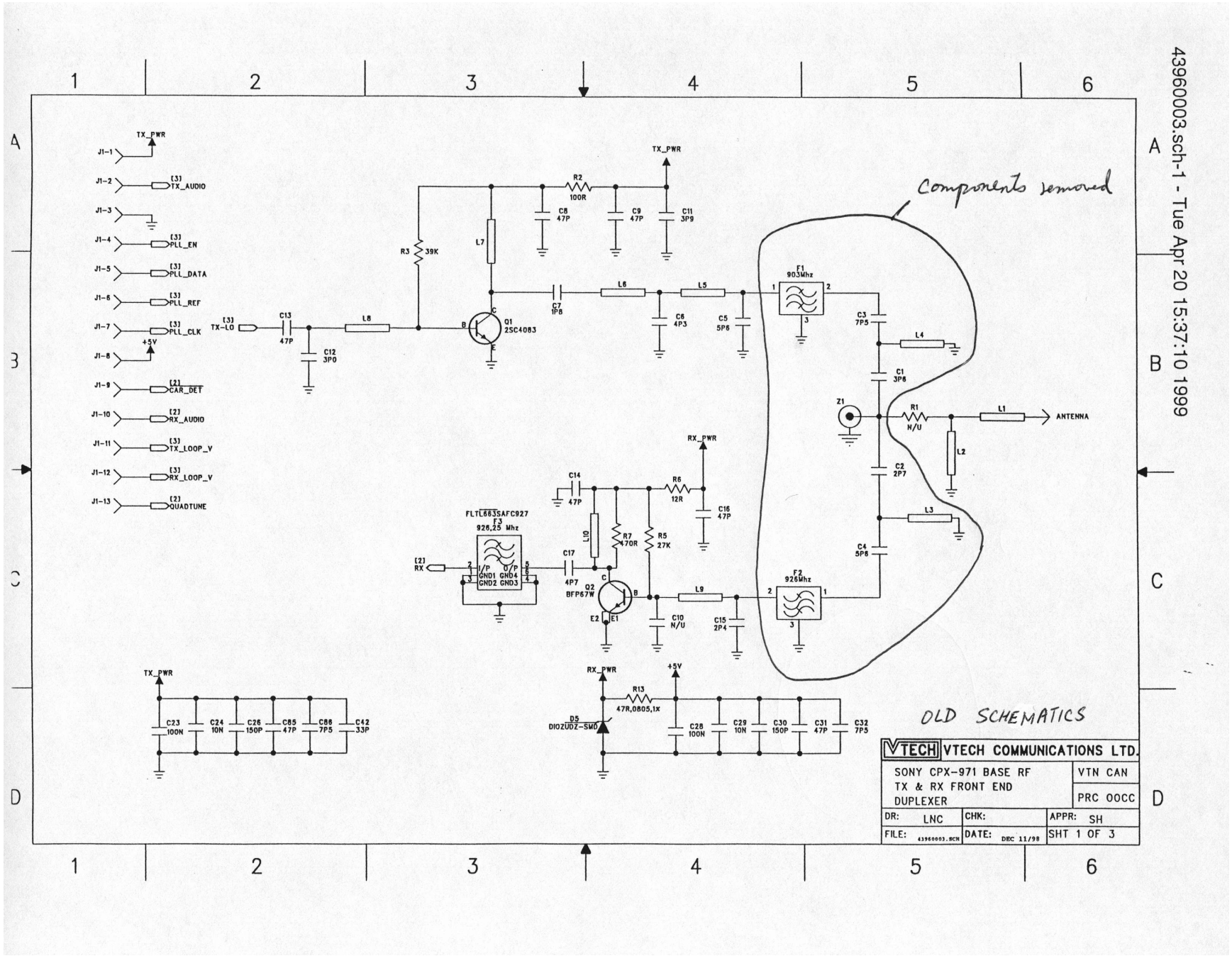
43310003.sch-1 - Tue Mar 2 09:49:09 1999

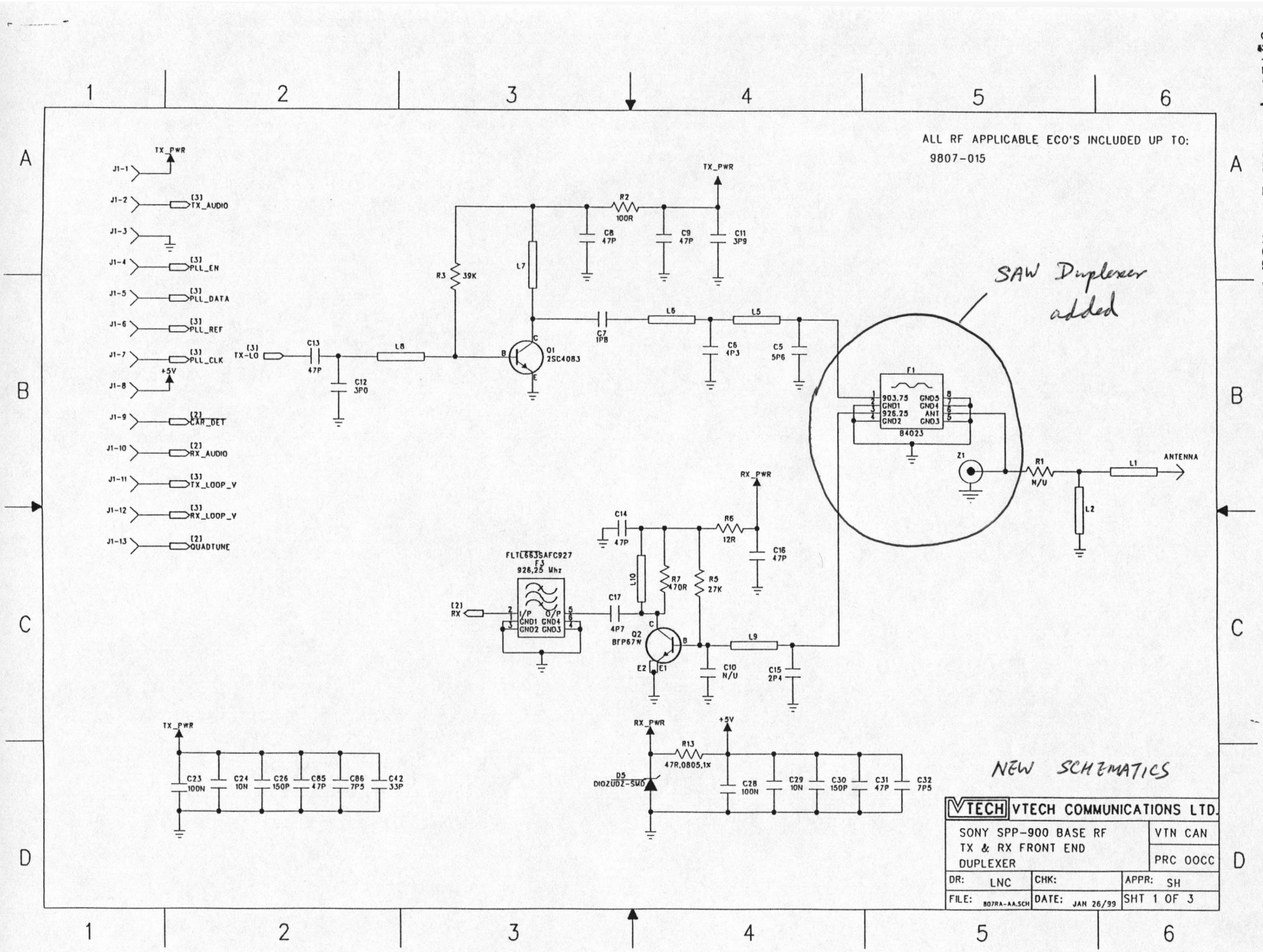

807rb-aa.sch-1 - Wed Mar 10 11:02:09 1999
SAW Duplexer added
new location for C1
NEW SCHEMATICS
TX_PWR
RX_PWR
R2 47R
C8 47P
C9 47P
22K R3
L7
C7 1P5
L6
L5
C6 4P7
C5 5P6
TX-LO
C13 47P
C12 4P7
L8
Q3 2SC4083
GND
F1
903.75 GND1 926.25 GND2 GND5 GND4 ANT GND3
B4023
ANTENNA
J1
R1 N/U
C1 47P
L1
ECO'S INCLUDED
ECO #9804-001
ECO #9804-003
ECO #9804-006
ECO #9804-008
ECO #9804-009
ECO #9804-012
C14 47P
R6 12R
C16 47P
F3 903.65 Mhz
I/P O/P GND1 GND4 GND2 GND3
L10
R7 1K0
R5 27K
RX
C17 6P8
Q2 BFP67W
L9
C18 N/U
C15 1P5
J2-1 QUAD_TUNE
J2-2 GND
J2-3 PLL_CLK
J2-4 PLL_EN
J2-5 PLL_DATA
J2-6 PLL_REF
J2-7 RX_AUDIO
J2-8 TX_AUDIO
J2-9 TX_PWR
J2-10 RX_PWR
J2-11 RSSI
C23 100N
C24 10N
C26 150P
C85 47P
C86 7P5
C28 100N
C29 10N
C30 150P
C31 47P
C32 7P5
VTECH COMMUNICATIONS LTD.
910ADL MKIIb - HANDSET
DUPLEXER, TX & RX FRONT END
P/N: 65-4331-03-00
DR: LHC
CHK:
PRC: 00AV
FILE: 807RB-AA.SC
DATE: JAN 21/98
1 OF 3

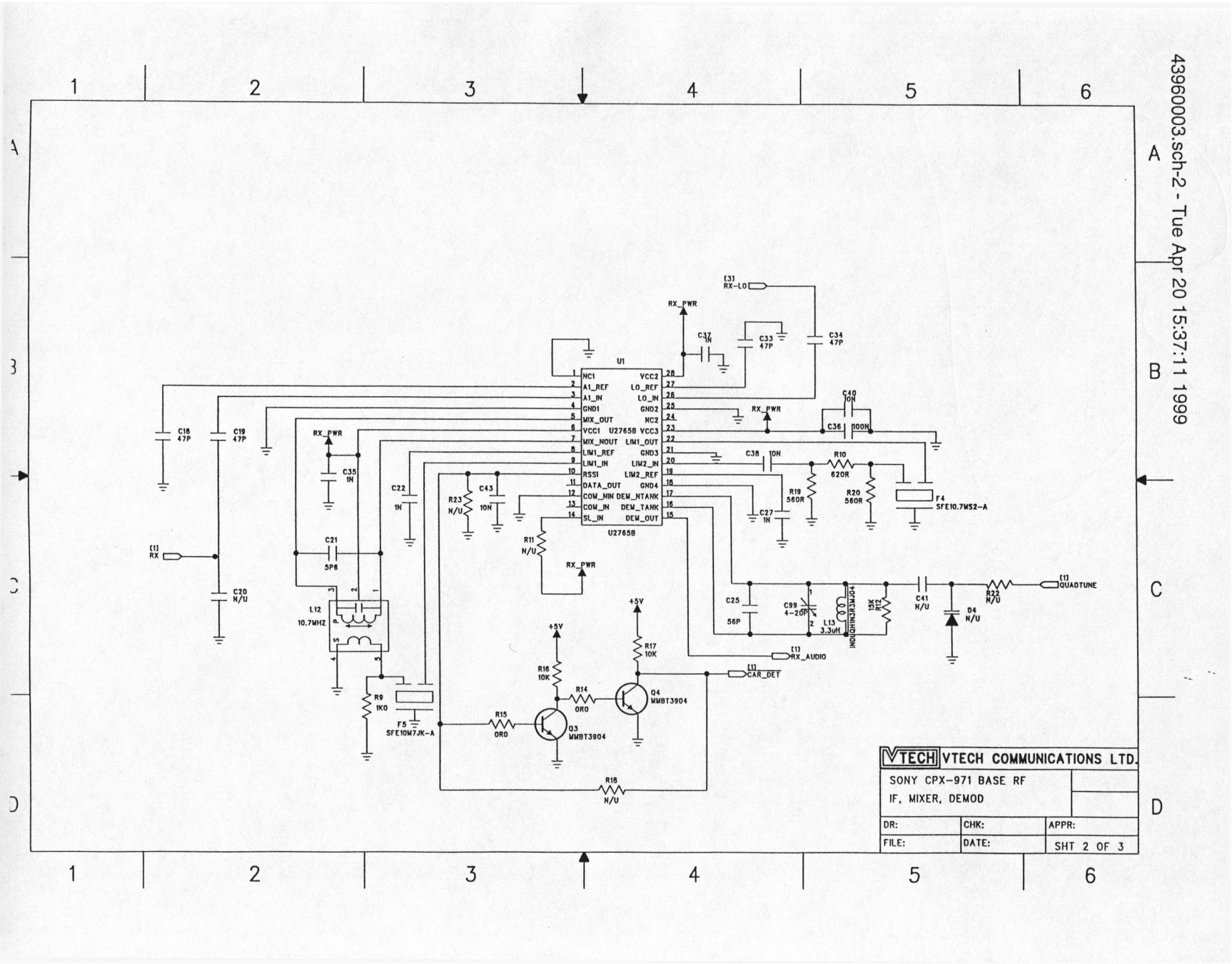

4331003.sch-2 - Tue Mar 2 09:49:09 1999
RX_PWR
RX-LO
U1
NC1
A1_REF
A1_IN
GND1
MIX_OUT
VCC1
MIX_NOUT
LIM1_REF
LIM1_IN
RSSI
DATA_OUT
COM_NIN
COM_IN
SL_IN
VCC2
LO_REF
LO_IN
GND2
NC2
VCC3
LIM1_OUT
GND3
LIM2_IN
LIM2_REF
GND4
DEM_NTANK
DEM_TANK
DEM_OUT
U2765B
C38 1N
C19 47P
C20 47P
R10 N/U
C10 1N
C39 10N
R15 620R
R16 560R
R13 560R
C21 1N
F5 SFE10.7MS2-A
C36 47P
C35 47P
C11 10N
C37 47P
C33 1N
C41 10N
RX
C27 N/U
C34 5P6
L2 10.7MHZ
R14 1K0
F4 SFE10.7MJK-A
C22 56P
C25
L12 3.3uH
R12 15K
C40 N/U
C43 N/U
D4 N/U
R18 N/U
R17 N/U
R19 N/U
QUAD_TUNE
RX_AUDIO
VTECH COMMUNICATIONS LTD.
910ADL MKIIb - HANDSET
- MIXER, IF, DEMOD
P/N: 65-4331-03-00
DR:
CHK:
PRC: 00AV
FILE:
DATE:
2 OF 3

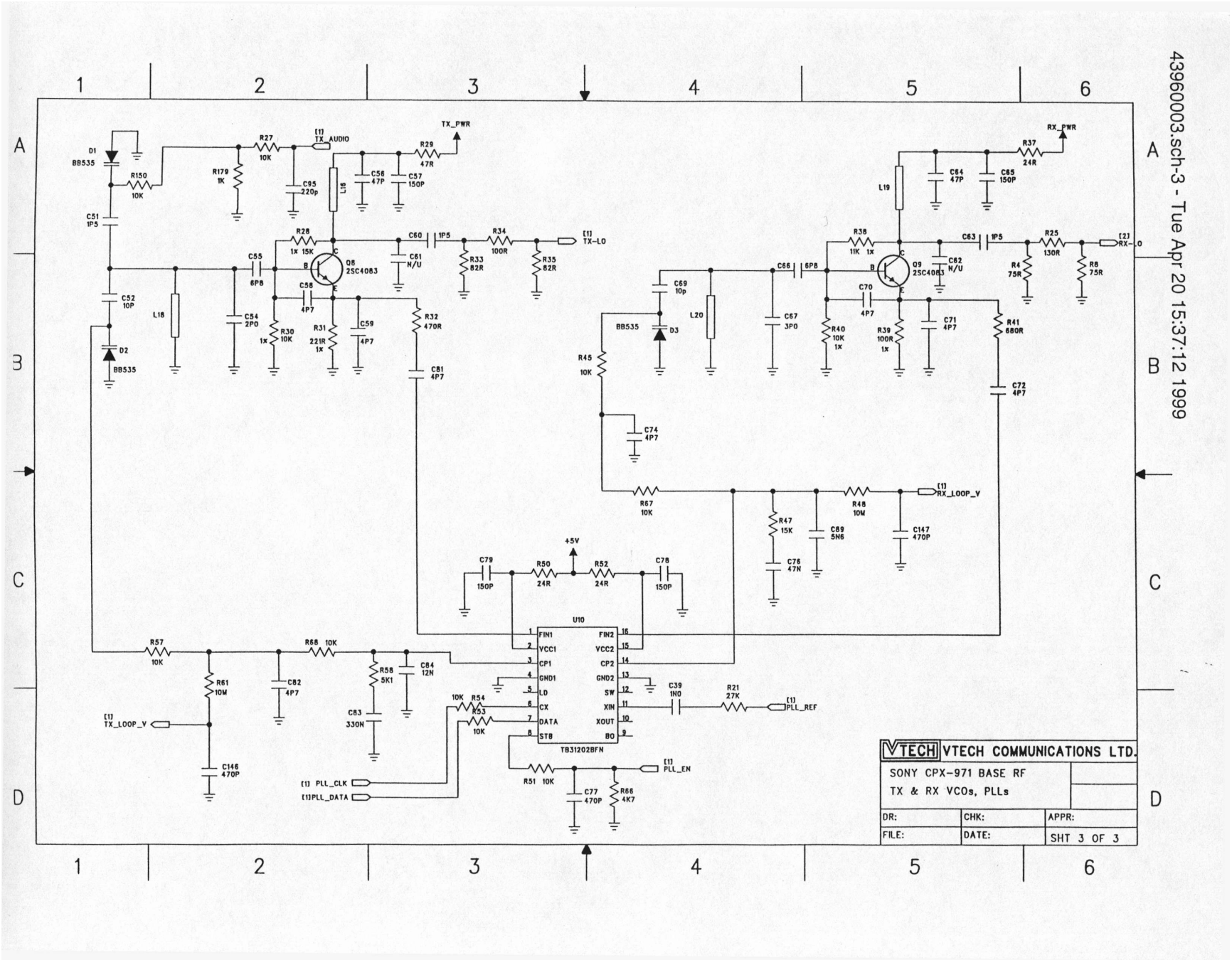


43310003.sch-3 - Tue Mar 2 09:49:10 1999


4396003.sch-1 - Tue Apr 20 15:37:10 1999
components removed
OLD SCHEMATICS
VTECH COMMUNICATIONS LTD.
SONY CPX-971 BASE RF
TX & RX FRONT END
DUPLEXER
VTN CAN
PRC 00CC
DR: LNC
CHK:
APPR: SH
FILE: 43960003.SCH
DATE: DEC 11/98
SHT 1 OF 3
TX_PWR
RX_PWR
+5V
ANTENNA
Q1 2SC4083
Q2 BFP67W
F1 903Mhz
F2 926Mhz
F3 926.25 Mhz
FLTL663SAFC927
D5 DIOZUDZ-SWD


807ra-aa.sch-1 - Wed Mar 10 11:01:30 1999
ALL RF APPLICABLE ECO'S INCLUDED UP TO:
9807-015
SAW Duplexer added
NEW SCHEMATICS
VTECH COMMUNICATIONS LTD.
SONY SPP-900 BASE RF TX & RX FRONT END DUPLEXER
VTN CAN
PRC 00CC
DR: LNC
CHK:
APPR: SH
FILE: 807RA-AA.SCH
DATE: JAN 26/99
SHT 1 OF 3
TX_PWR
RX_PWR
+5V
J1-1
J1-2 (3) TX_AUDIO
J1-3
J1-4 (3) PLL_EN
J1-5 (3) PLL_DATA
J1-6 (3) PLL_REF
J1-7 (3) PLL_CLK
J1-8
J1-9 (2) CAR_DET
J1-10 (2) RX_AUDIO
J1-11 (3) TX_LOOP_V
J1-12 (3) RX_LOOP_V
J1-13 (2) QUADTUNE
(3) TX-LO
(2) RX
R2 100R
R3 39K
R1 N/U
R5 27K
R6 12R
R7 470R
R13 47R,0805,1%
C5 5P6
C6 4P3
C7 1PB
C8 47P
C9 47P
C10 N/U
C11 3P9
C12 3P0
C13 47P
C14 47P
C15 2P4
C16 47P
C17 4P7
C23 100N
C24 10N
C26 150P
C85 47P
C86 7P5
C42 33P
C28 100N
C29 10N
C30 150P
C31 47P
C32 7P5
L1 ANTENNA
L2
L5
L6
L7
L8
L9
L10
Q1 2SC4083
Q2 BFP67W
D5 DIOZU02-SW0
F1 B4023
903.75 GND1 926.25 GND2 GND5 GND4 ANT GND3
Z1
FLTL883AFC927 F3 926.25 Mhz
I/P O/P GND1 GND4 GND2 GND3


43960003.sch-2 - Tue Apr 20 15:37:11 1999
U1
U2765B
RX_PWR
+5V
VTECH COMMUNICATIONS LTD.
SONY CPX-971 BASE RF
IF, MIXER, DEMOD
DR:
CHK:
APPR:
FILE:
DATE:
SHT 2 OF 3



43960003.sch-3 - Tue Apr 20 15:37:12 1999