DEBUG GUIDE
C250
LEVEL 3

No power up.....pag. 2, 3 y 4
No Tx in GSM.....pag. 5
No Tx in DCS.....pag. 6
No Rx.....pag. 7
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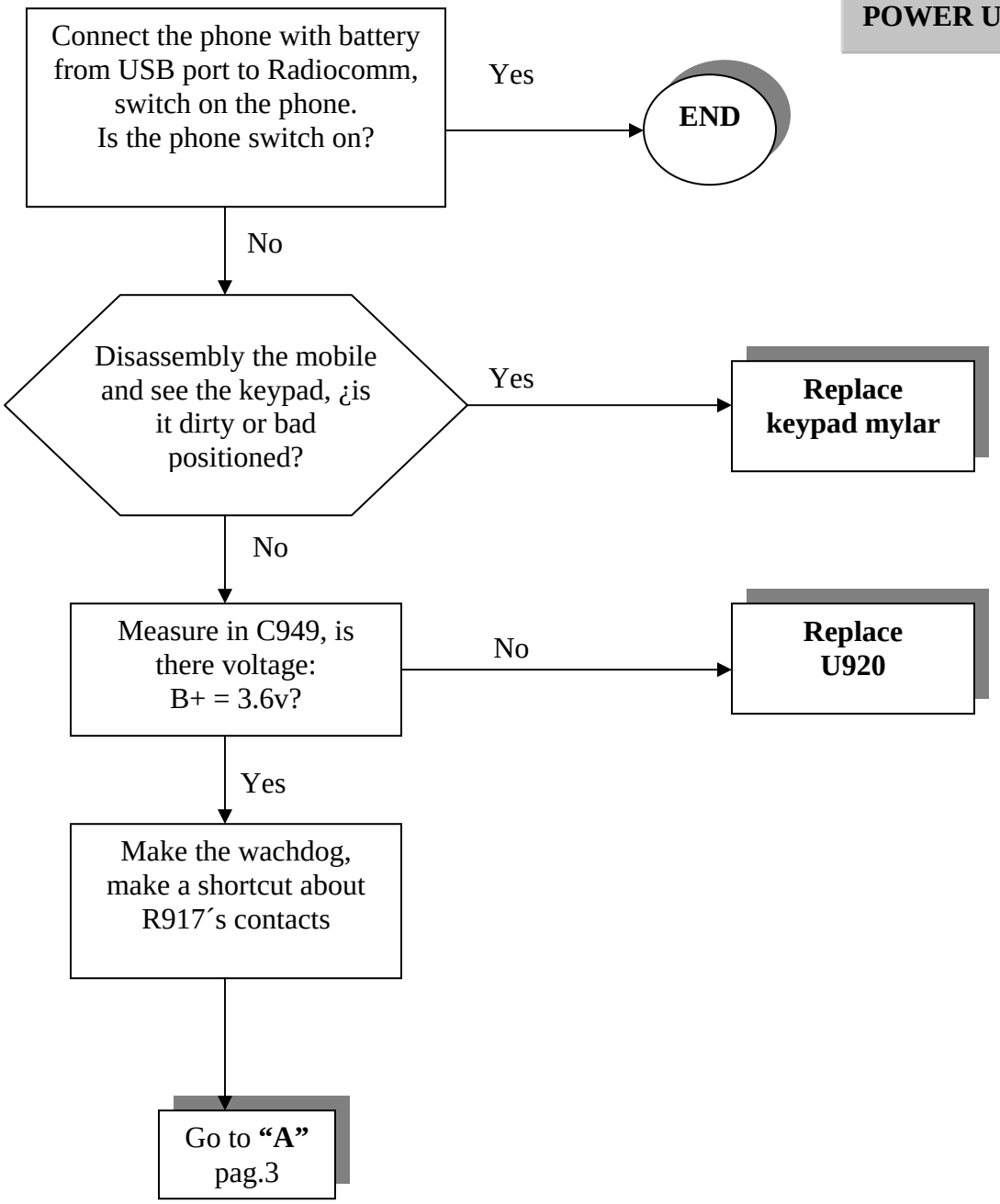
NO POWER UP


Connect the phone with battery from USB port to Radiocomm, switch on the phone. Is the phone switch on?
Yes
END
No
Disassembly the mobile and see the keypad, ¿is it dirty or bad positioned?
Yes
Replace keypad mylar
No
Measure in C949, is there voltage: B+ = 3.6v?
No
Replace U920
Yes
Make the wachdog, make a shortcut about R917´s contacts
Go to "A" pag.3

"A"

NO POWER UP

Are there that voltages?:
DIG_1.875= 1.8v on C933
AUD 2.65= 2.6v on C921
are ok?

No → **Replace U900**

Yes

Measure CS0B on the R710, Is there FLASH´s signal?(Fig.1)

No → **Replace U701**

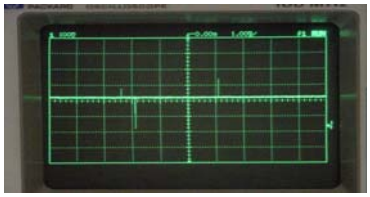


Fig. 1

Yes

Measure on CS1B(TP5043), Is there SRAM´s signal? (Fig. 2)

No → **Replace U705**

Yes

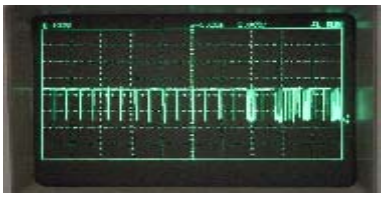


Fig. 2

Go to "B" pag. 4

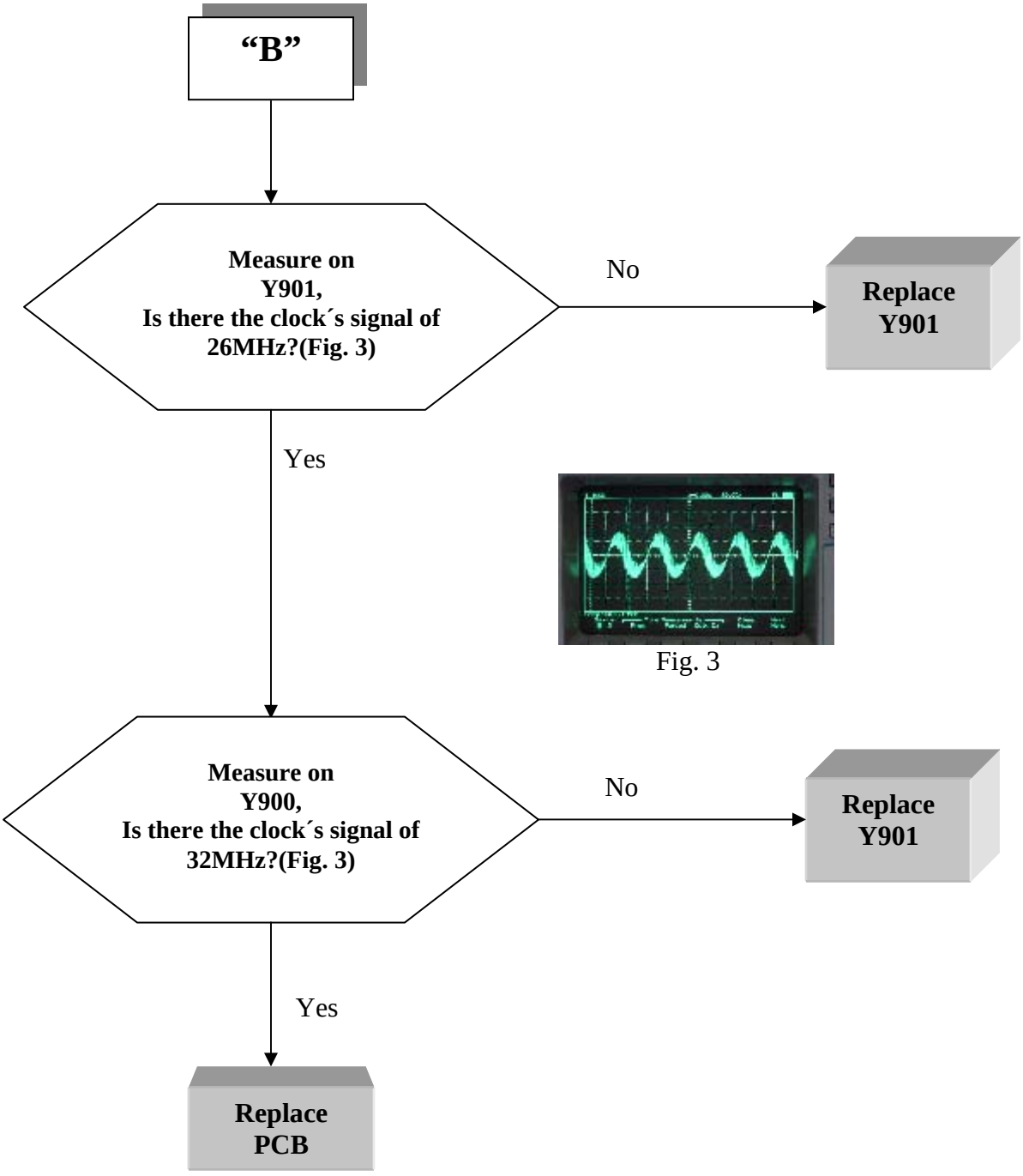
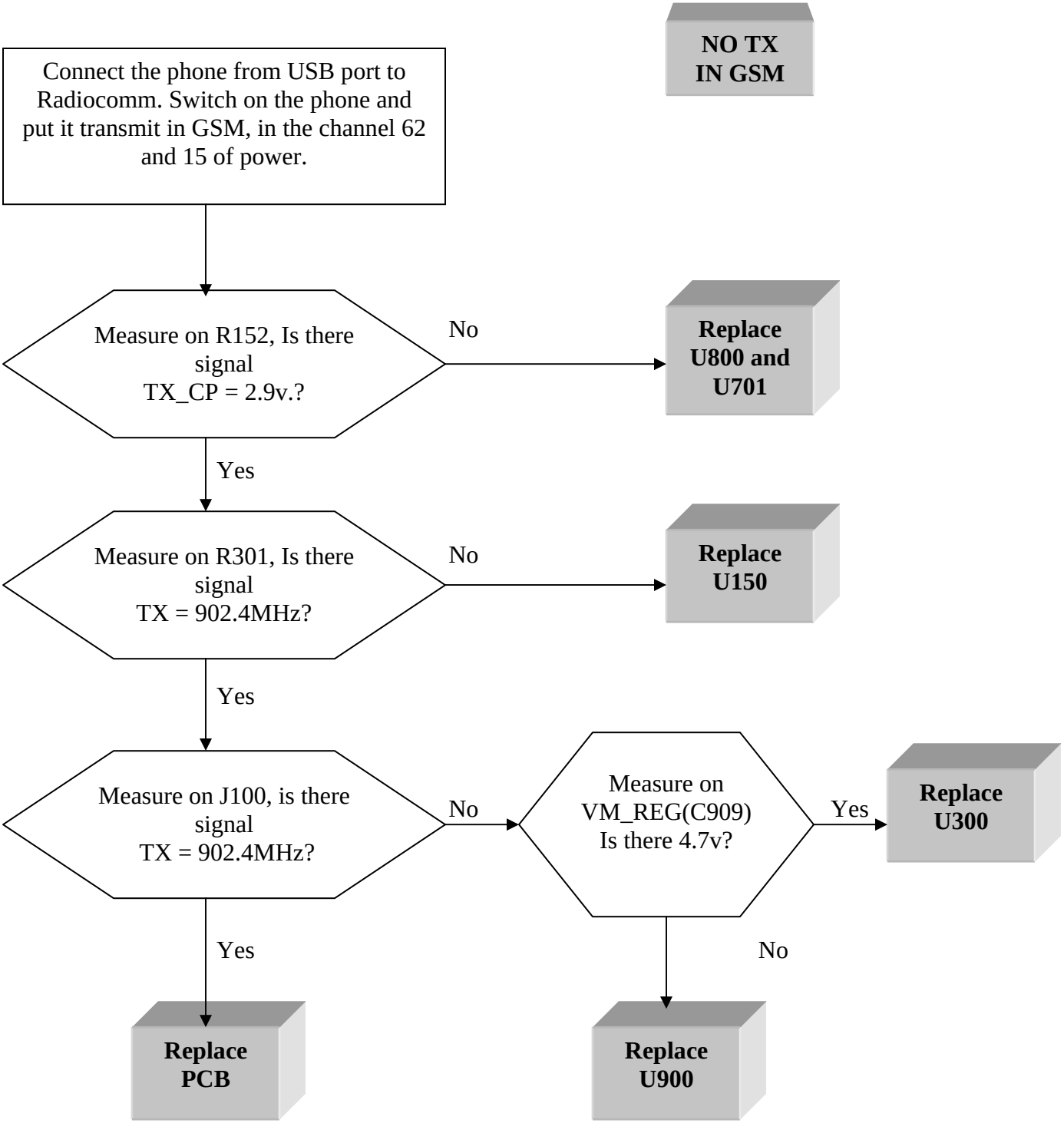
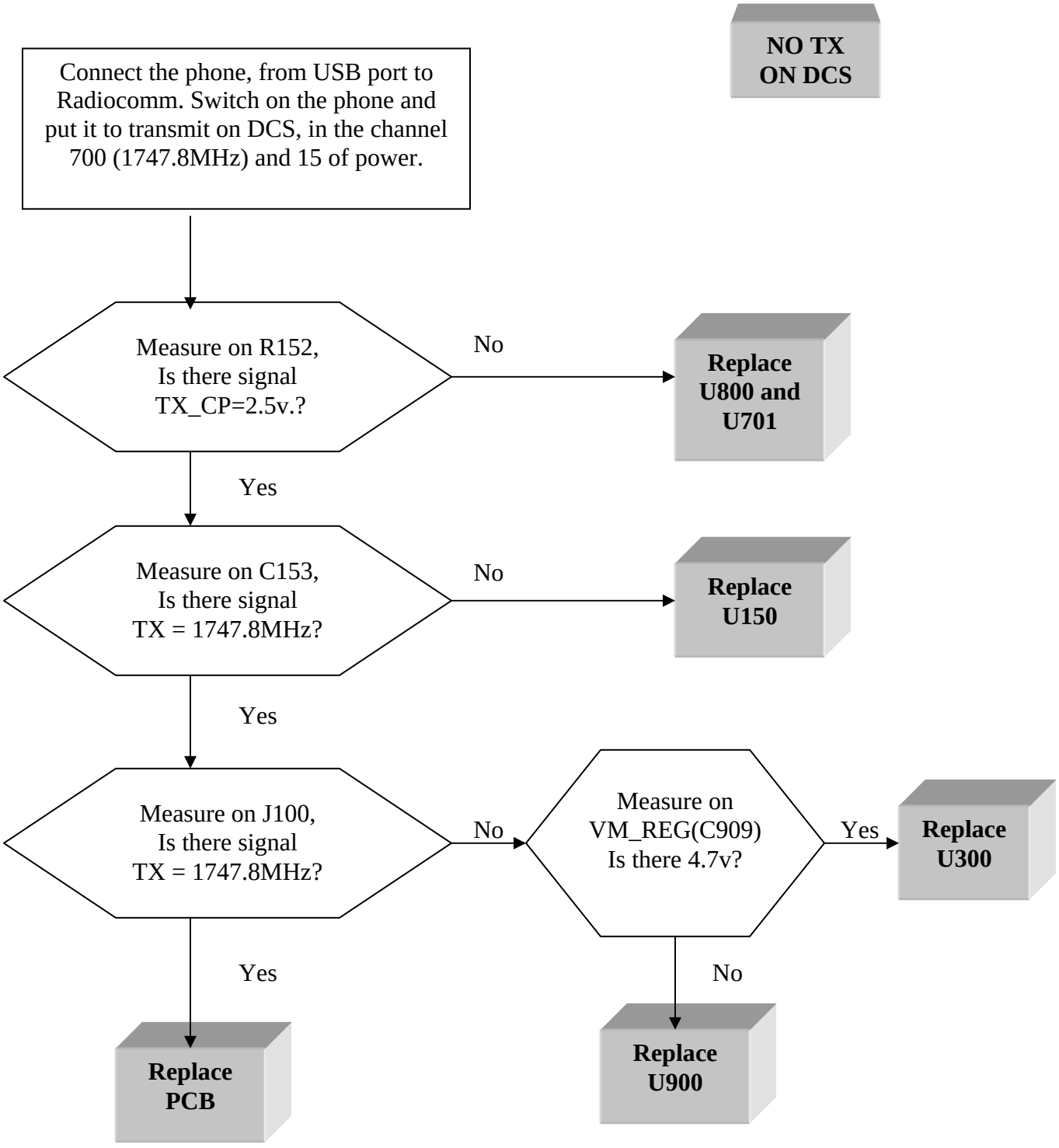
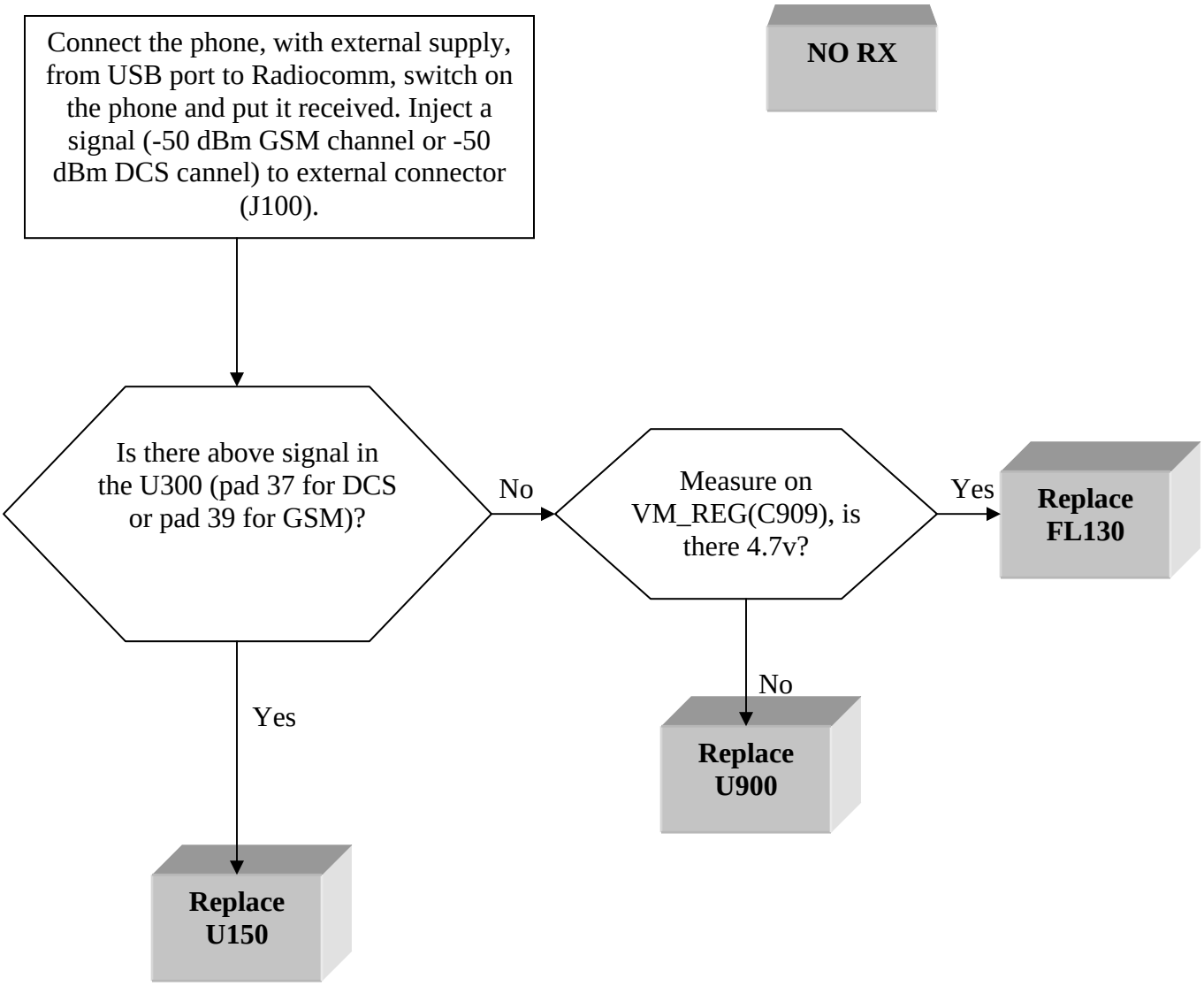

"B"
Measure on Y901, Is there the clock´s signal of 26MHz?(Fig. 3)
No
Replace Y901
Yes
Measure on Y900, Is there the clock´s signal of 32MHz?(Fig. 3)
No
Replace Y901
Yes
Replace PCB

Fig. 3


NO TX IN GSM
Connect the phone from USB port to Radiocomm. Switch on the phone and put it transmit in GSM, in the channel 62 and 15 of power.
Measure on R152, Is there signal TX_CP = 2.9v.?
No
Replace U800 and U701
Yes
Measure on R301, Is there signal TX = 902.4MHz?
No
Replace U150
Yes
Measure on J100, is there signal TX = 902.4MHz?
No
Measure on VM_REG(C909) Is there 4.7v?
Yes
Replace U300
Yes
No
Replace PCB
Replace U900


NO TX
ON DCS
Connect the phone, from USB port to Radiocomm. Switch on the phone and put it to transmit on DCS, in the channel 700 (1747.8MHz) and 15 of power.
Measure on R152, Is there signal TX_CP=2.5v.?
No
Replace U800 and U701
Yes
Measure on C153, Is there signal TX = 1747.8MHz?
No
Replace U150
Yes
Measure on J100, Is there signal TX = 1747.8MHz?
No
Measure on VM_REG(C909) Is there 4.7v?
Yes
Replace U300
Yes
Replace PCB
No
Replace U900


NO RX
Connect the phone, with external supply, from USB port to Radiocomm, switch on the phone and put it received. Inject a signal (-50 dBm GSM channel or -50 dBm DCS cannel) to external connector (J100).
Is there above signal in the U300 (pad 37 for DCS or pad 39 for GSM)?
No
Measure on VM_REG(C909), is there 4.7v?
Yes
Replace FL130
No
Replace U900
Yes
Replace U150

NOTES

NOTES

PROCEDURE FOR FLASH´S RECOVER C250

1.- This procedure is only for no power up, power down in standby itself or "blocked", failures.

2.- Remove the R810.

3.- Connect the transceiver with a battery and mini-USB´port to Windows 2000 and PST program, after download this file:

R312ULS_G_09.10.1AR_gsm_flash_dev.shx

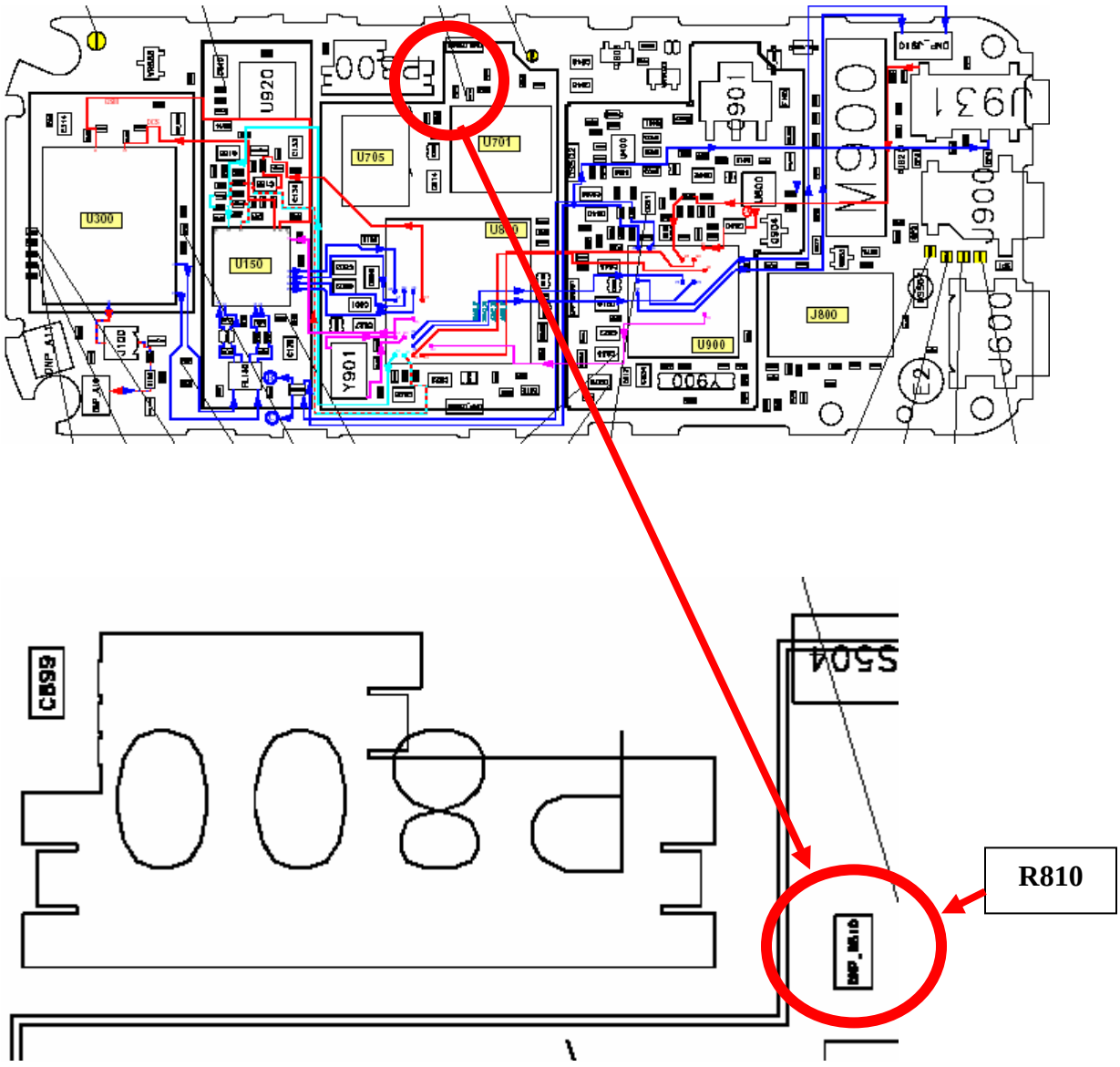
4.- Add R810.

5.- Flashing the phone with a normal flash, with a battery and mini-USB´port to Windows 2000 and PST progam.

6.- After downloading the 44 NVM/elements, phasing the transceiver with GPGATE.

7.- Master Reset and Master Clear.

To read the NVM / Seem Elements from a golden unit:
1.- Connect the transceiver to Internal Radiocomm, INITIALIZE it and SUSPEND it.
2.- Select PHONE and NV/SEEM.
3.- In PRODUCT select the platform.
4.- Select READ.
5.- Save the NVM / elements with a product´s name


U300
U150
U705
U701
U800
U900
J800
Y901
U920
J931
J900
J600
C899
R810