



Debug Guide
C390
Level 3

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C390
Debug Guide Level3
Motorola Confidential Proprietary

Version	Modification	Date

**Don't
power up**

Connect PCB to Radiocomm with cable P/N: SKN6371A and supply with a external power supply to 4.2v, follow photography 1

Push power on button, ¿the consumption is about 50mA?

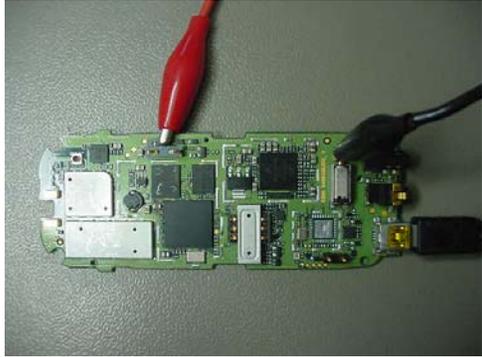


Photo 1

Has continuity fuse F900?

Recover flash follow procedure page 10

Replace F900

Push power button, the consumption is about 120mA and after down to 50mA?

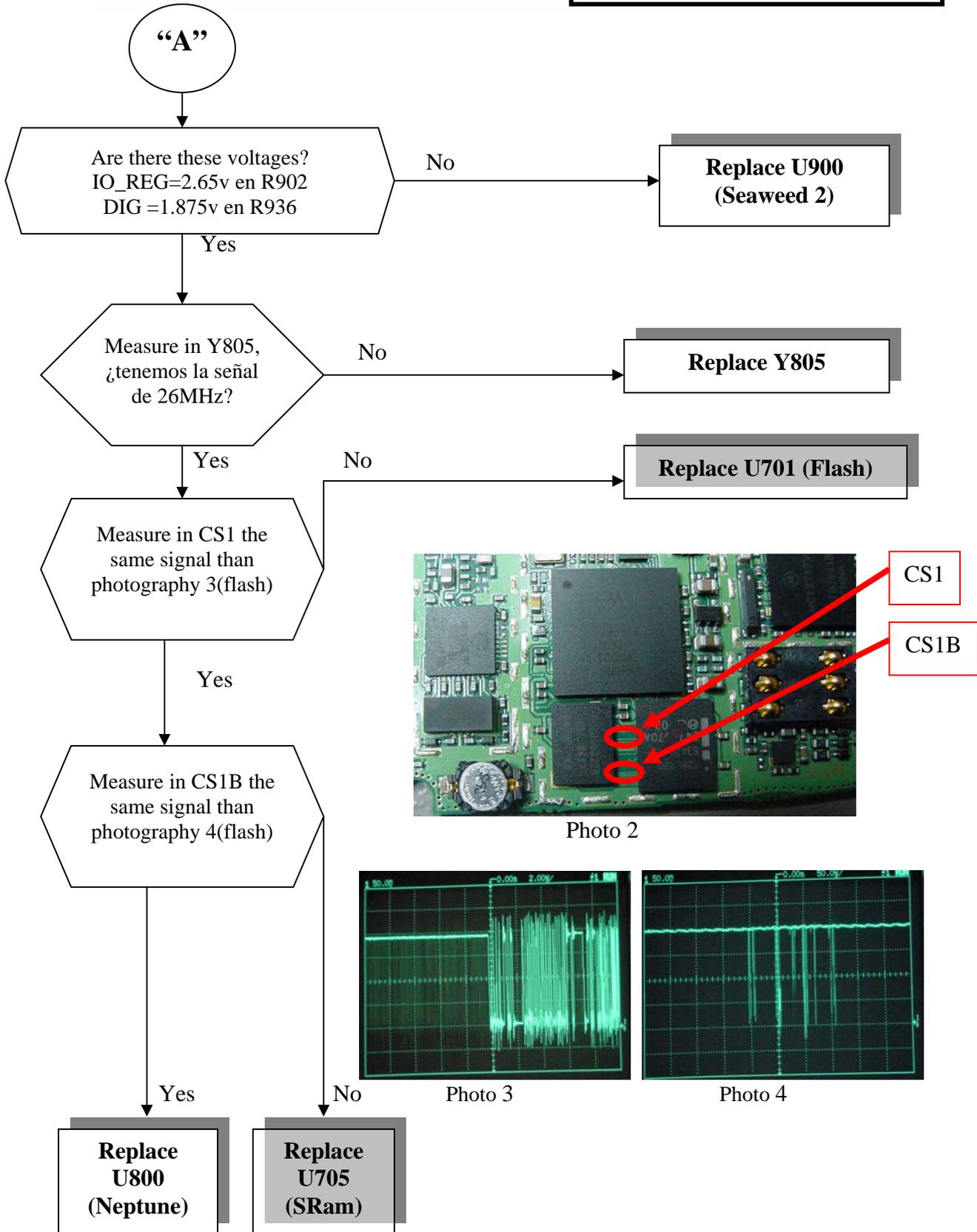
Resolder U900 (Seaweed) power up it?

END

Measure in Y900; is there signal of 32MHz?

Replace Y900

Go to "A" pag.4

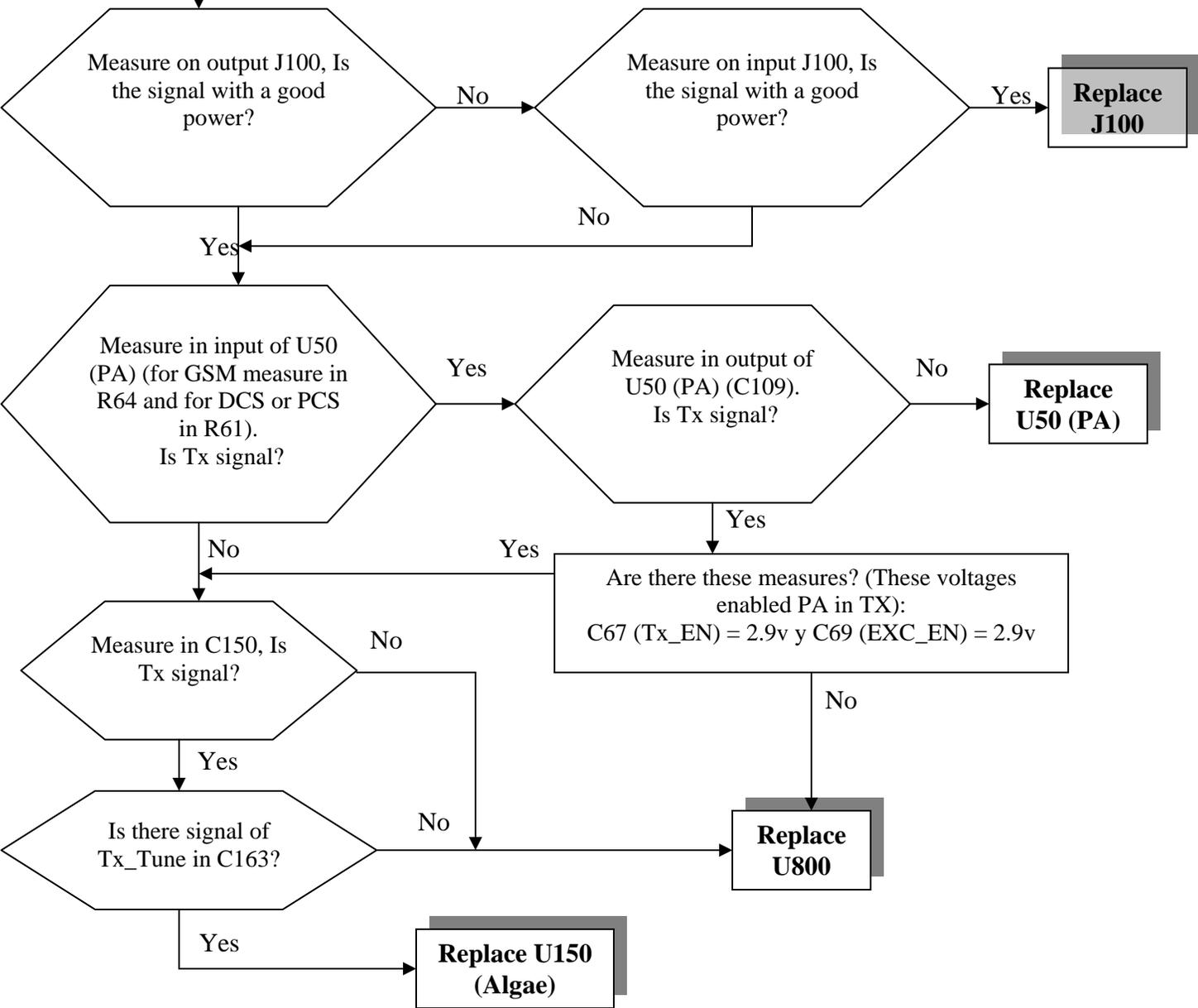


Use this procedure to set TX in any band (GSM, DCS, etc). Main difference between setting bands is:

- Set band with Radiocomm.
- Set channels (accordingly to band selected) with Radiocomm.

Connect the PCB to Radiocomm with USB's cable P/N: SKN6371A and supply it with external supply (4, 2 v) follow photography 1. Put it to transmit with 15 LEVEL PA and select: "00- All zeroes", in window CARRIER, select the band and channel.

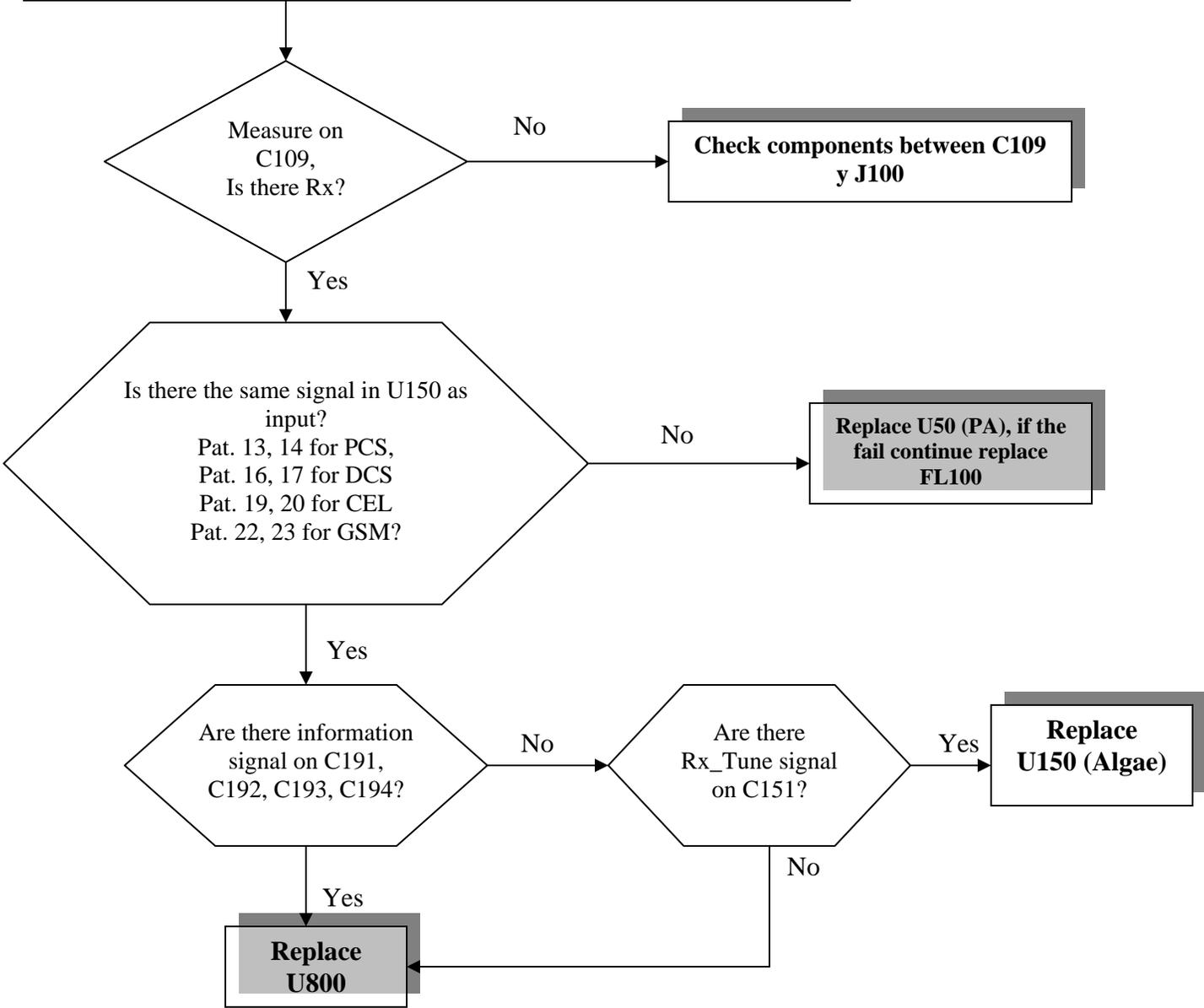
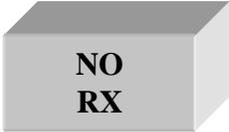
No TX



Use this procedure to set TX in any band (GSM, DCS, etc). Main difference between setting bands is:

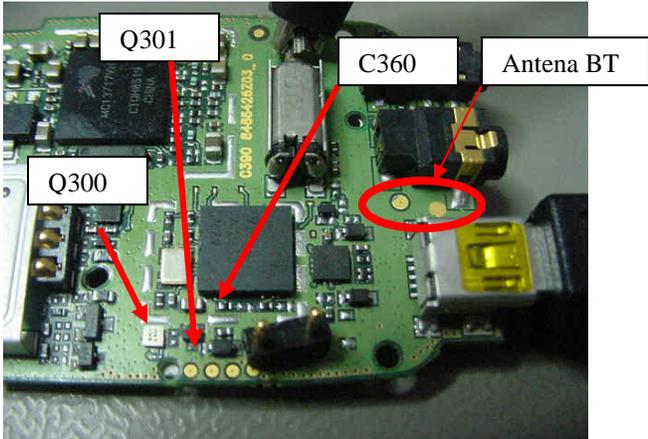
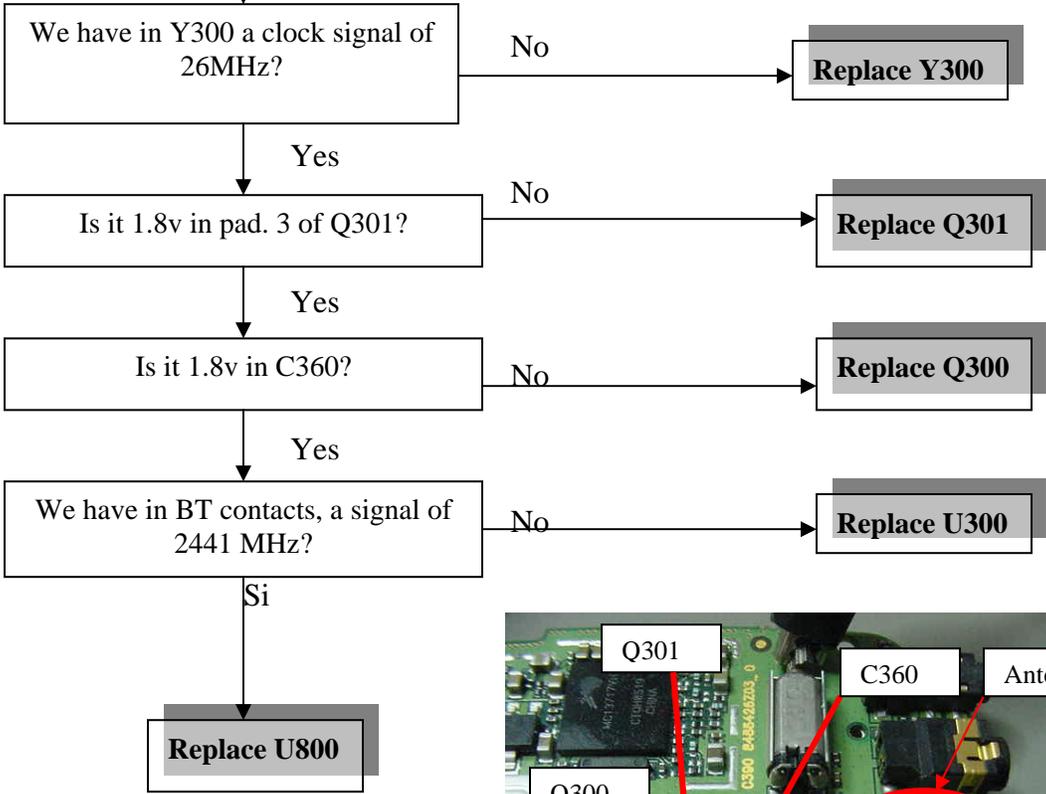
- Set band with Radiocomm.
- Set channels (accordingly to band selected) with Radiocomm.

Connect the PCB to Radiocomm with USB's cable P/N: SKN6371A and supply it with external supply (4.2 v) follow photography 1.
 Inject a signal (-50 dBm GSM channel or -50 dBm DCS channel) to external connector J100.



**No
Bluetooth**

Connect PCB to Radiocomm with cable
 P/N: SKN6371A and supply with a external power supply to 4.2v. Put in suspend mode and push in GSM3, in "Bluetooth" window select parameter 84 and "click" in "EXECUTE", select parameter 81 and "click" in "EXECUTE", select parameter 01 and in "TO RADIO" window write 2DFC0129 and "click" in "EXECUTE"





FLASH REPLACING PROCEDURE

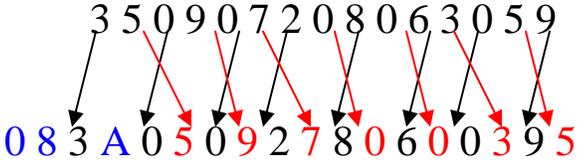
REQUIREMENTS: FOR THIS PROCEDURE WE USE,
 WINDOWS 2000, PST 6.8 or RSD AND RADIOCOMM 7.1.1 or higher ALWAYS

1. – Connect phone to PC with WIN 2000 and PST 6.8 or higher (or RSD) and download this software:
 R364_G_0B.D1.09R_LP0003_DRM0001_GMIC380001AA07C_image.shx
2. - Then restore IMEI, with Radiocomm 7.1.1:
 - Put the PCB in suspend mode.
 - Click in “GSM 2”
 - In STELEM/RDELEM write that information:

Element ID	0004
Record #	0001
Record Offset	0000
Length	0009
Data	xxxxxxxxxx IMEI *Note

*Note: Example for writing an imei:

Pcb’s Imei



For write in Data:

-Click on STELEM

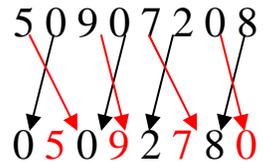
3. - Then restore Subsidy Lock, with Radiocomm 7.1.1:
- Put the PCB in suspend mode.
 - Click in “GSM 2”
 - In STELEM/RDELEM write that information:

Element ID	0348
Record #	0001
Record Offset	0000
Length	0004
Data	XXXXXXXXXX Subsidy Lock *Note

Element ID	0349
Record #	0001
Record Offset	0000
Length	0004
Data	XXXXXXXXXX Subsidy Lock *Note

*Note: Example for writing a subsidy lock:

Pcb’s subsidy lock



For write in Data:

-Click on STELEM

4. - Then restore all NVM elements, with Radiocomm 7.1.1
5. - After downloading last software’s version, phasing the transceiver with GPGATE and 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

RECOVER THE REFLASH

- This procedure must be used for no power up, power down in standby itself or “blocked”, failures.

REQUIREMENTS: FOR THIS PROCEDURE WE USE,
WINDOWS 2000, PST 6.8 AND RADIOCOMM 7.1.1 ALWAYS

1. - Connect phone to PC with WIN 2000 and PST 6.8 or higher (or RSD), press keys *, # and Send and download this software:

R368_G_0B.A0.02I_DEV_reflash.shx

2. - Then restore all NVM elements, with the Radiocomm 7.1.1 or higher.
3. - After downloading last software’s version, phasing the transceiver with GPGATE and 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