PART V. Adjusting Description
## 1.VCT383X+TCL M35&36 Chassis software adjustment specification
(M36 SAMPLING MODEL:2959M2   M35 SAMPLING MODEL:2118M1)

1) Adjustment of B+ Voltage
    1. Apply 180~240V to main power input, and Philips Standard Testing Pattern to RF input;
    2. Adjust VR830 in STANDARD mode until voltage (B+) is 140V±0.5V(M36), [112V±0.5V(M35)]

2) Adjustment of AFT
    1. Disconnect IF of tuner;
    2. Apply a 38.9MHz gray scale & color bar signal to the IF input via C110 by PM5418 TDS color TV Pattern generator;
    3. Monitor the DC Voltage at Pin2 of IC101;
    4. Adjust T101 until the voltage at Pin2 of IC101 becomes 2.5V;
    5. It means AFT adjusted well when add/reduce 0.1MHz, <2.5V> the voltage at Pin2 of IC101 is changed obviously.

3) Adjustment of AGC
    1. Connect IF of Tuner and IC101;
    2. Apply a 60dB gray scale & color bar signal TV signal from Tuner;
    3. Adjust VR102 to the exactly point that the noise waked up.

4) Adjustment of Screen Voltage
    1. Enter the Factory Mode;
    2. Press [CAPS] key, then press [REVEAL] key in three seconds, "Picture One" will display in screen*:
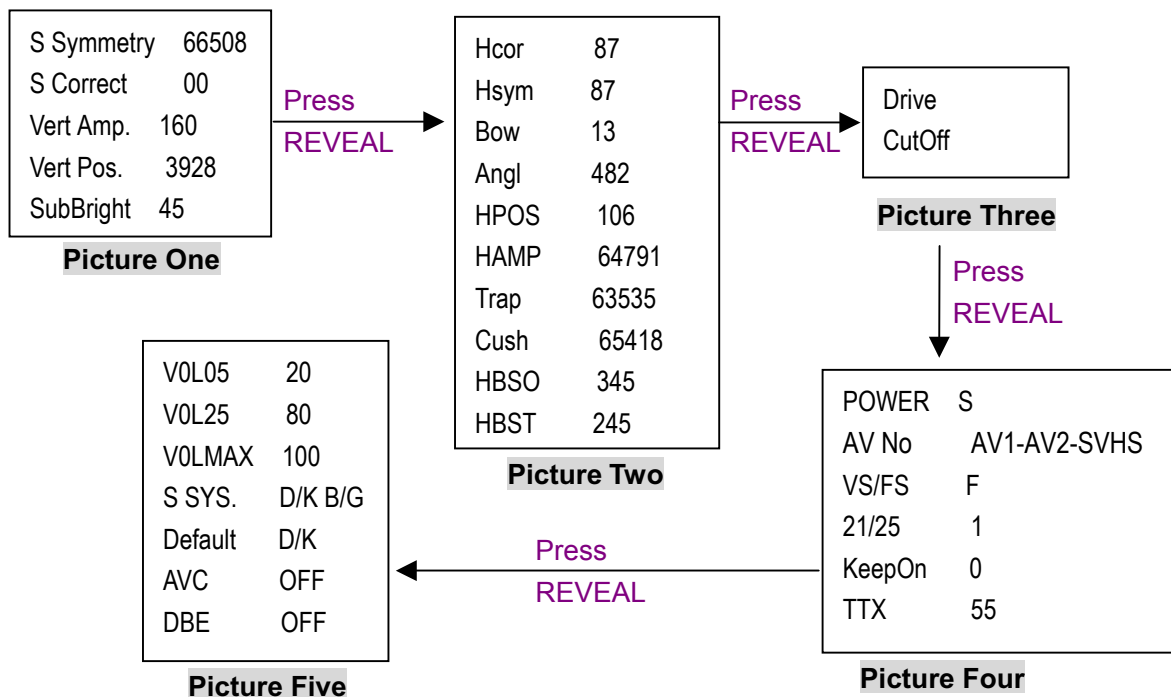
    * Key P-, P+:   Choose the Item
      Key V-, V+:   Change/adjust the Value/Mode, or Enter into the Submenu
      Key REVEAL: Choose the Picture
      Key OK: Save and Quit Factory Mode

3. Enter into **Cutoff** in "Picture Three", press [P-] to Cathode Current (G2) mode menu;
4. Press [PIC] key and then adjust Screen Voltage of FBT until the screen will become a horizontal line.

5) Adjustment of Vertical Parameter
    1. Apply a PAL cross & hatch pattern;
    2. Enter into "Picture One", adjust the parameters to make the picture in best status;
    3. The best status means that the 2nd dark bar(from dark to bright) of 8 level gray scales just can be seen.

6) Adjustment of Horizontal Parameter
    1. Adjust PAL status
        a. Apply a Philips Test Pattern / a PAL cross & hatch pattern;
        b. Enter into "Picture Two", adjust the following items to make the picture in best status.
           Hcor   Hsym   Bow   Angl   HAMP   Trap   Cush
        c. Enter into "Picture Two", adjust the following items to make the picture in best status.
           HPOS
           ① Apply RGB color bar pattern by 54200 Pattern generator via SCART COIL;
           ② Enter into **HPOS** in "Picture Two";
           ③ Press [V+]/[V-] to adjust the RGB and CVBS position to make the halftone picture overlap the screen picture.;
           ④ Press [P+] into RGB hor.pos.
           ⑤ Press [V+]/[V-] to make picture in best position.
           ⑥ Press [OK] to save and quit.
        d. Enter into "Picture Two", adjust the following items to make the picture in best status.
           HBSO   HBST
           [ANNT: *HBSO   345   <Horizon Blank Stop>   HBST   245   <Horizon Blank Start>*
           *Please apply a Blue Signal to adjust these two items. But generally it is unnecessary to adjust.***]**
    2. Adjust NTSC status
        a. Apply a Philips Test Pattern / a NTSC cross & hatch pattern;
        b. Repeat Step a. b. c. d. to adjust NTSC status.

7) Factory Manu Setting
    1. Press [CAPS] key, then press [REVEAL] key Enter into "Picture Four"

The item in "Picture Four"		Detail Description
POWER	**S**	O: Skip Standby when Power On
		S: Standby On when Power On
AV No	**AV1-AV2-SVHS**	AV1-AV2 SCART-AV2 SCART-AV2-SVHS SCART AV1-AV2-SVHS AV1-AV2-YUV
VS/FS	**F**	V: VS TUNER
		F: FS TUNER
21/25	**1**	1: 21" and below 21"
		5: 25" and above 25"
KeepOn	**0**	0: Blue Background when no signal, and auto standby if no signal in 15 minutes
		1: Noise Background