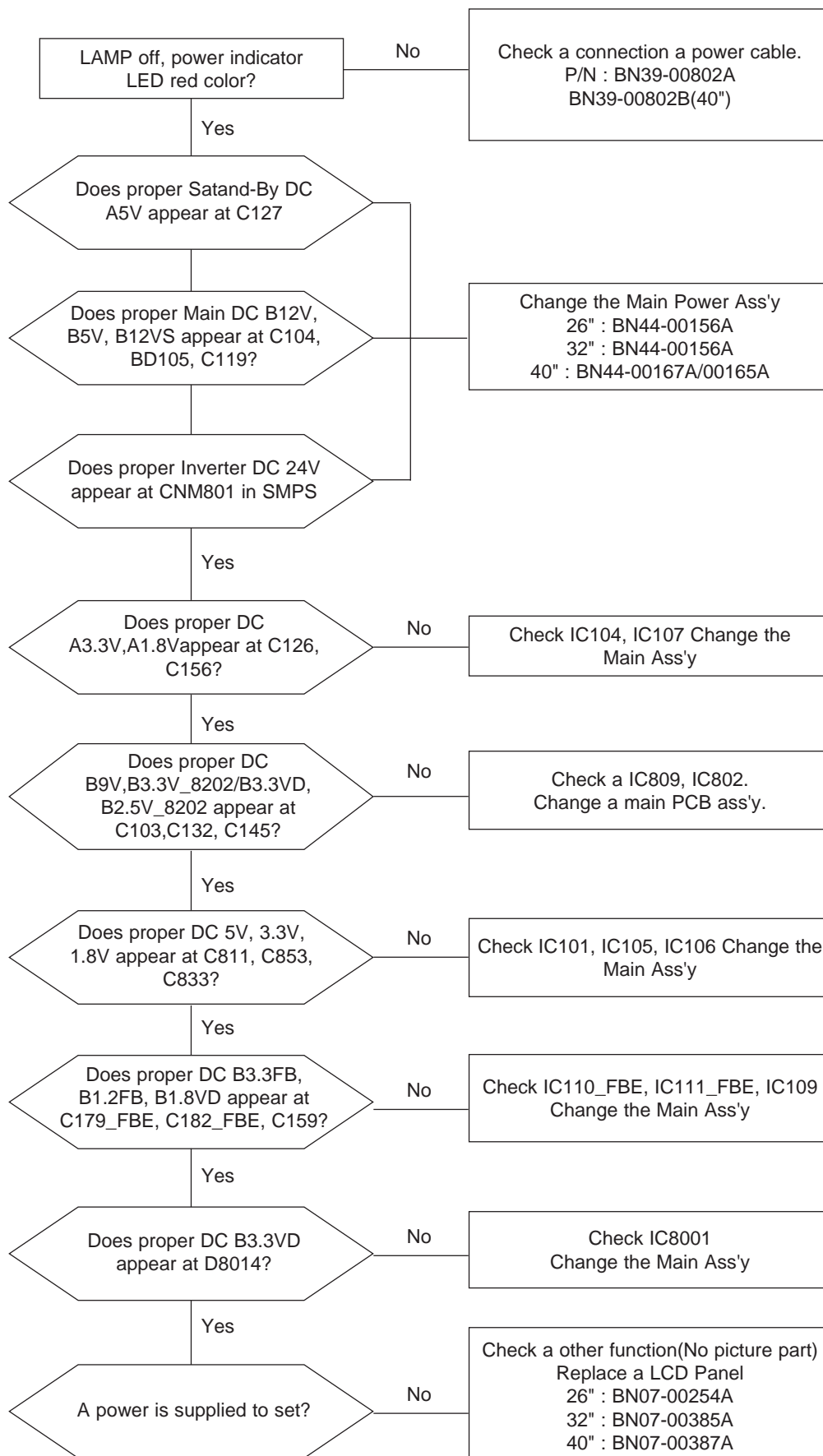

4 Troubleshooting

4-1 First Checklist for Troubleshooting

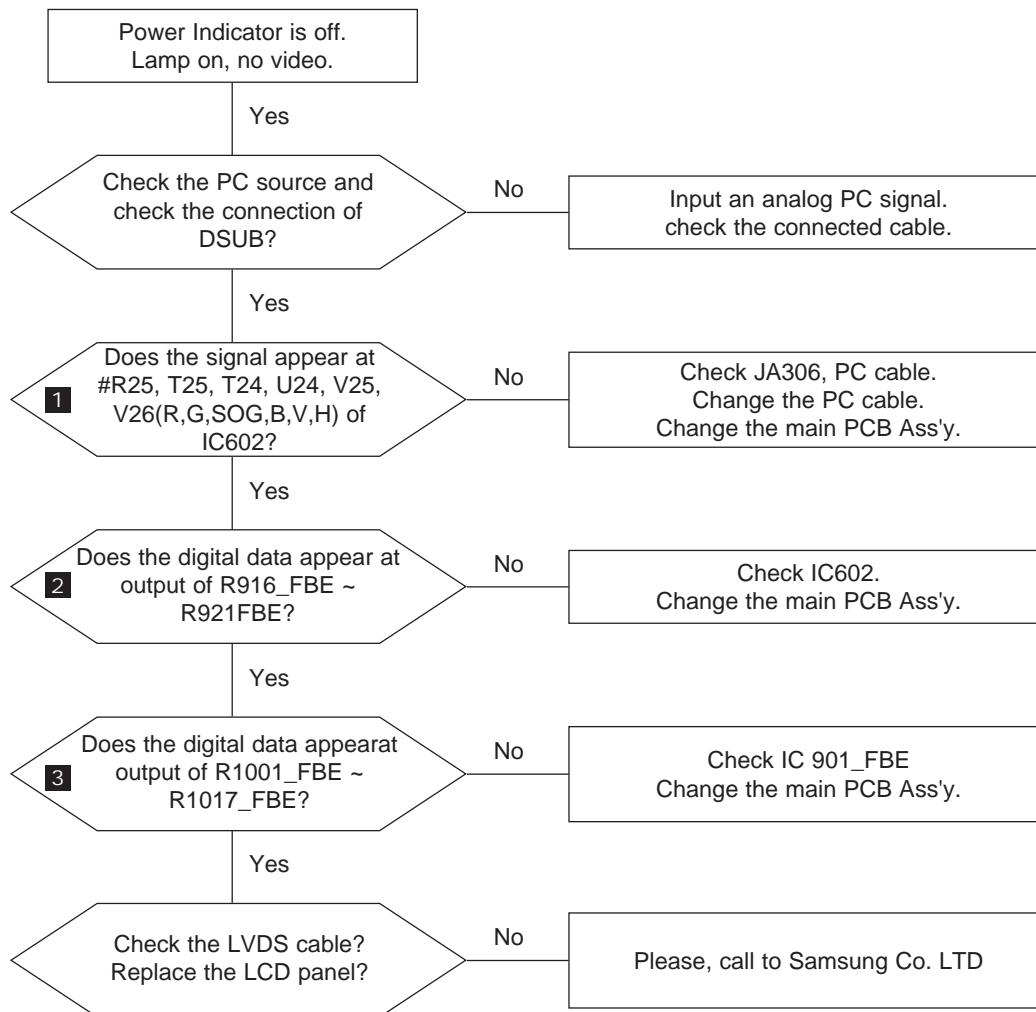
1. Check the various cable connections first.
 - Check to see if there is a burnt or damaged cable.
 - Check to see if there is a disconnected cable connection or a connection is too loose.
 - Check to see if the cables are connected according to the connection diagram.
2. Check the power input to the Main Board.
3. Check the voltage in and out between the SMPS ↔ Main Board, between the SMPS ↔ INVERTER Board, and between the Main LVDS Boards.

4-2 Checkpoints by Error Mode

4-2-1 No Power

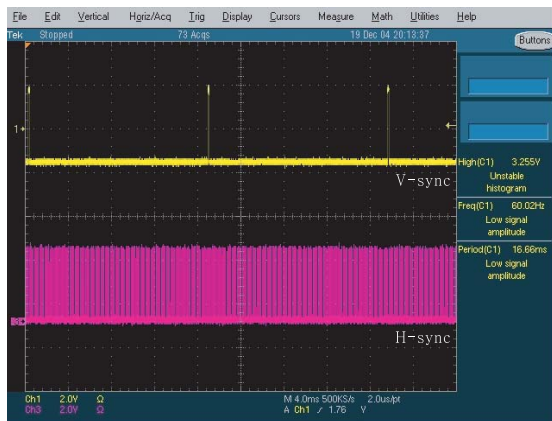


4-2-2 No Video (Analog PC Signal)

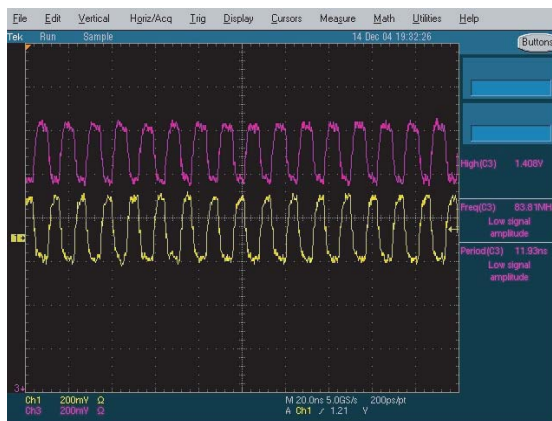


WAVEFORMS

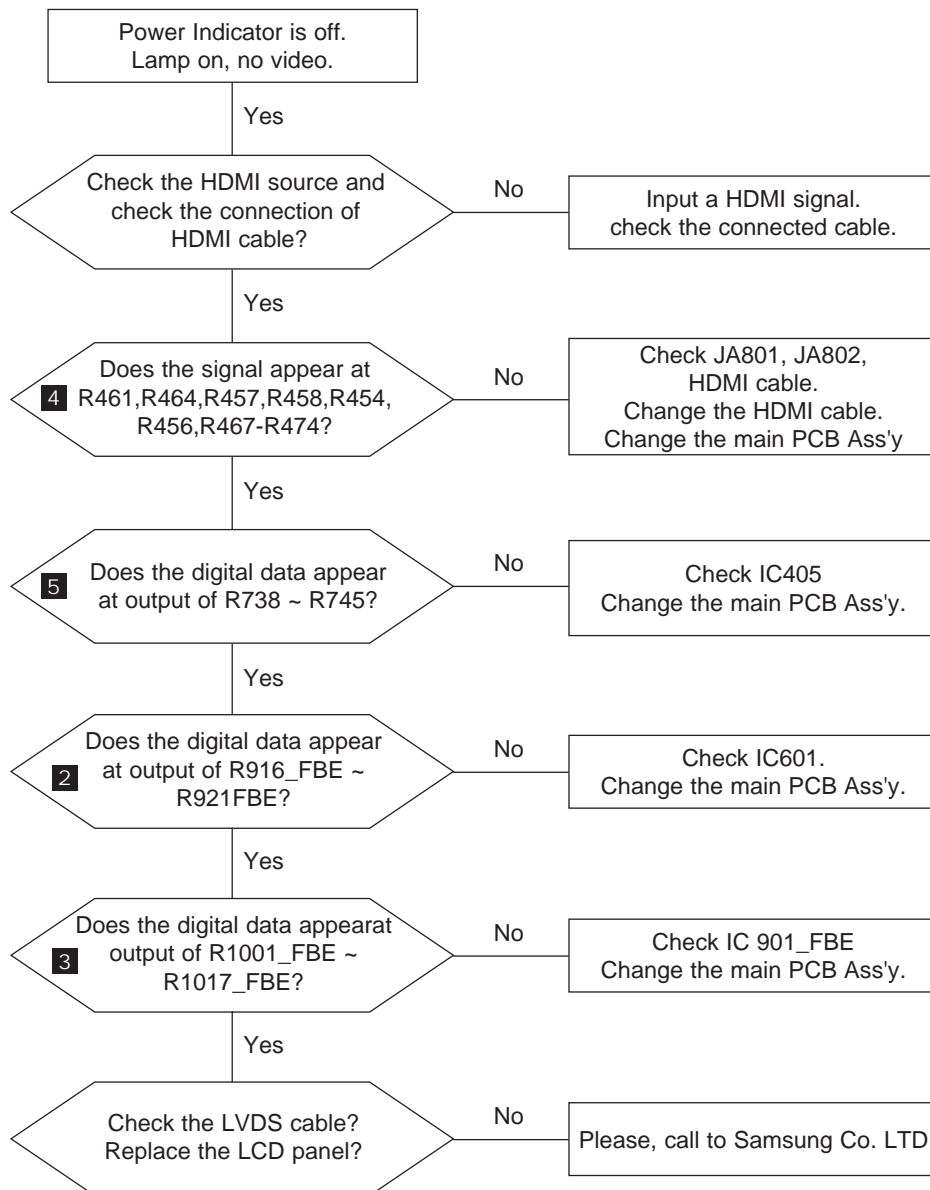
1 2 PC Input (V-Sync, H-Sync)



3 LVDS Out (CLK +/-)

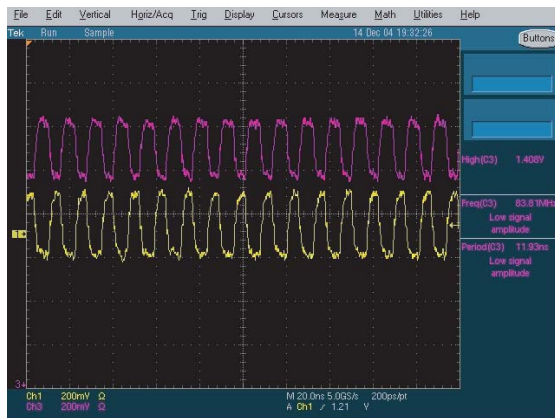


4-2-3 No Video (HDMI - Digital Signal)

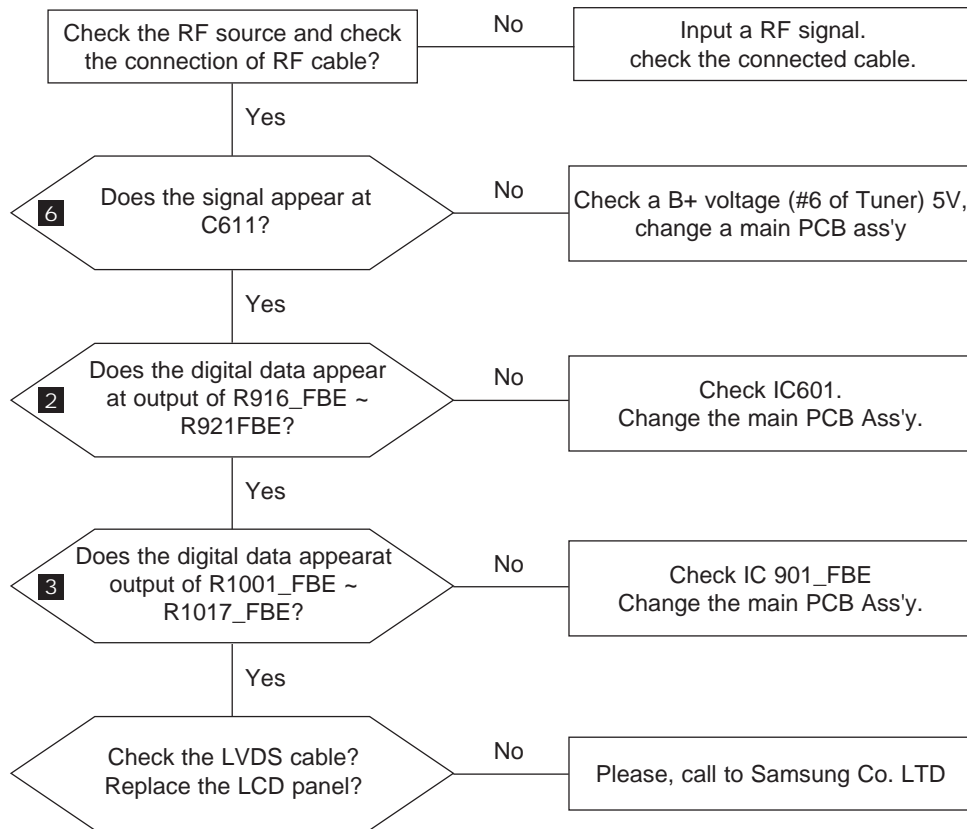


WAVEFORMS

4 5 HDMI Input (CLK +/-)

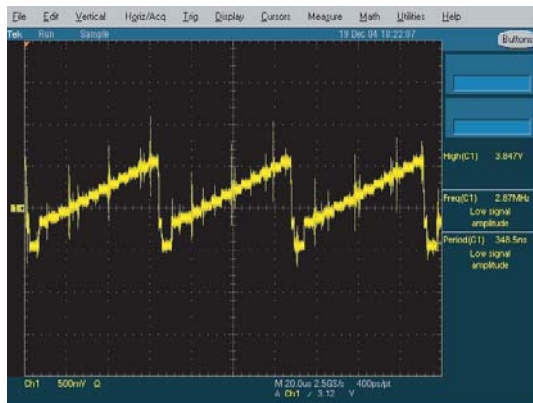


4-2-4 No Picture (Tuner_CVBS)

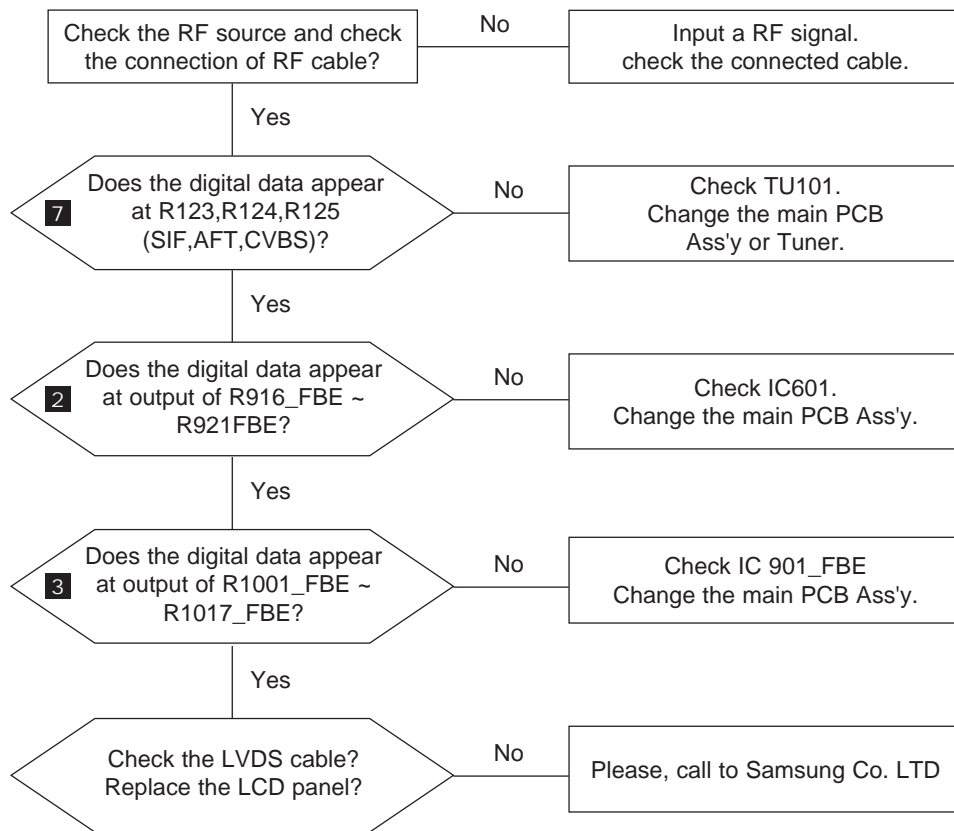


WAVEFORMS

6 Tuner CVBS Out (Pattern : Grey Bar)

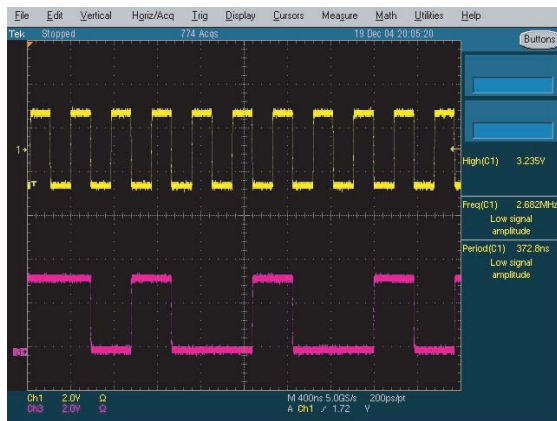


4-2-5 No Picture (Tuner DTV TS)

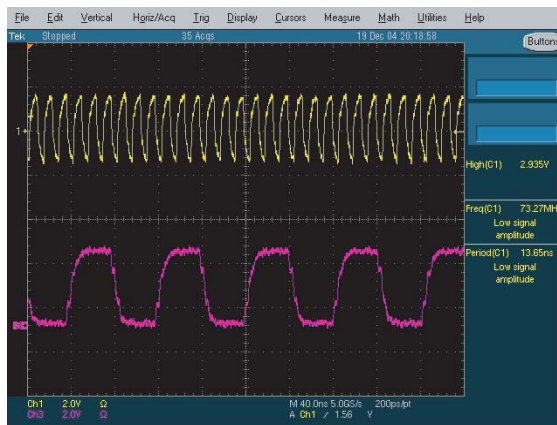


WAVEFORMS

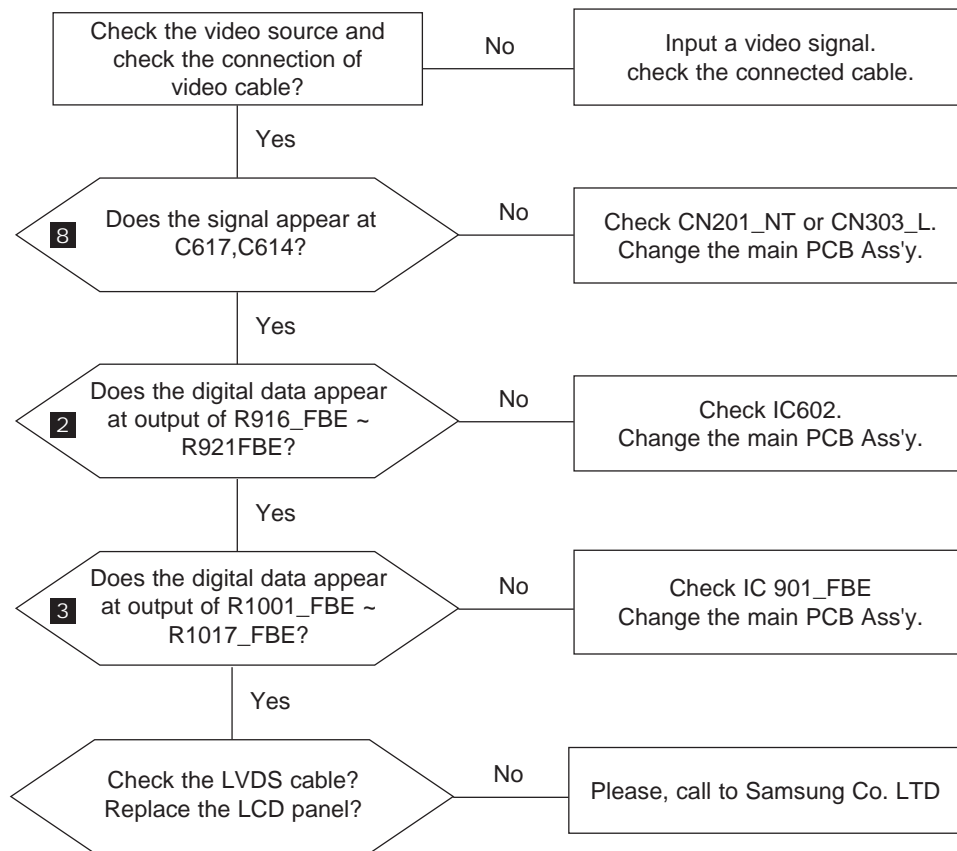
7 TS DATA Out (CLK, DATA [0])



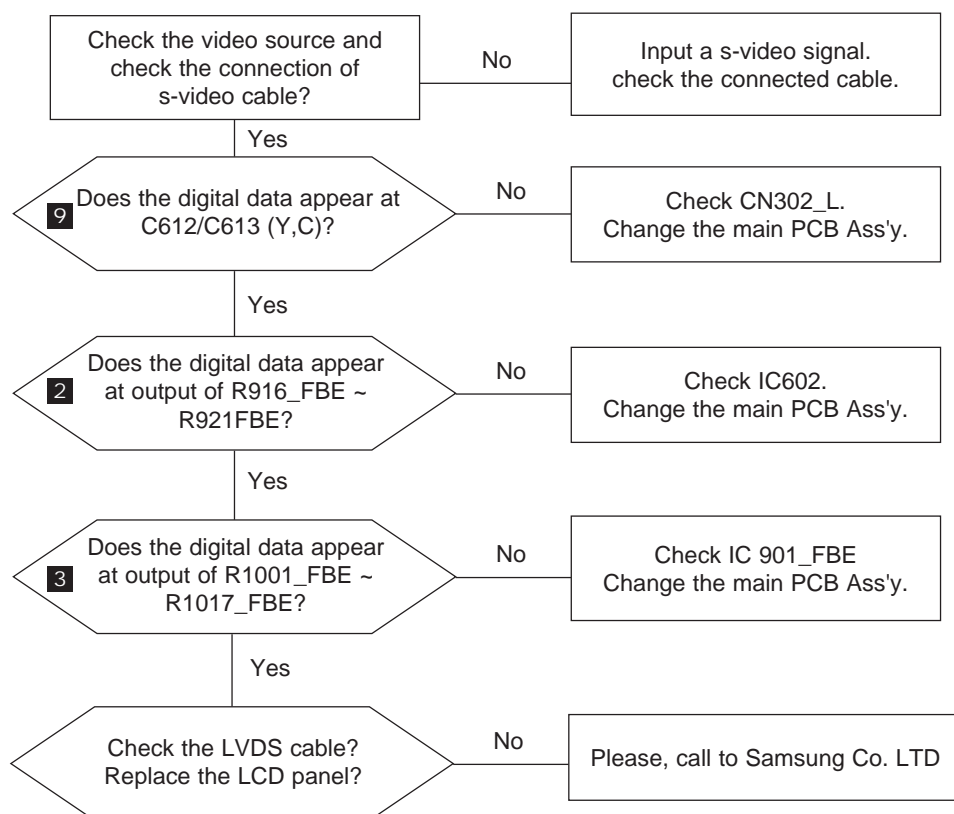
8 Eagle+ Out (CLK, H-Sync)



4-2-6 No Picture (Video_CVBS)



4-2-7 No Picture (S-VIDEO Y/C)

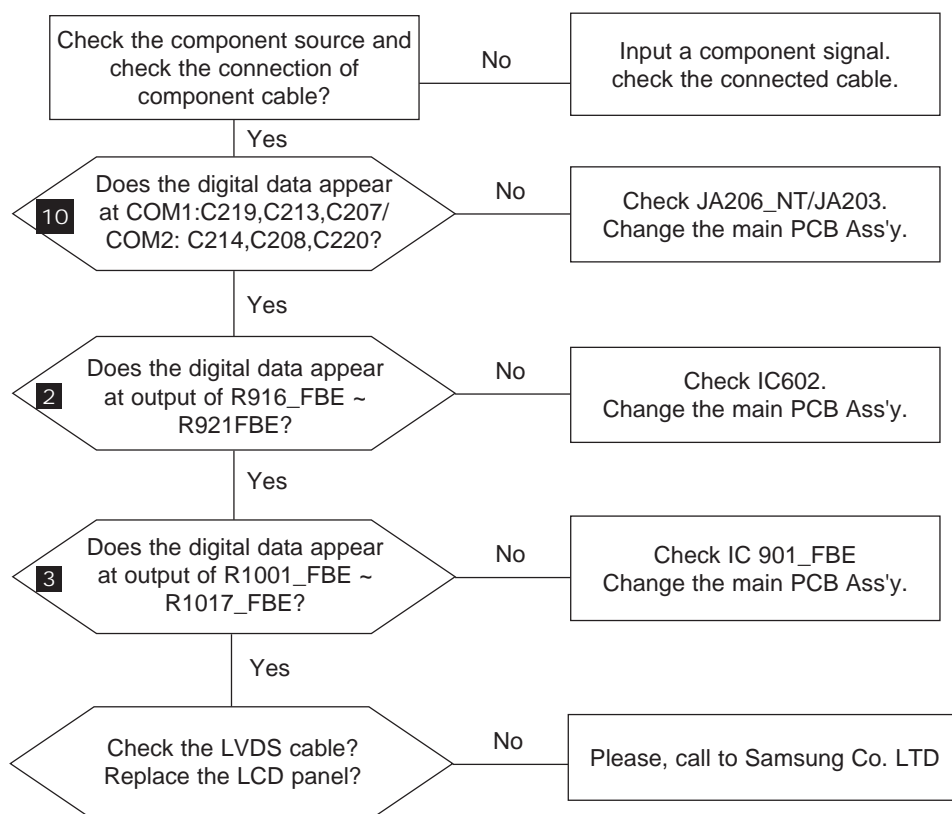


WAVEFORMS

9 S-VIDEO Input (Y/C)

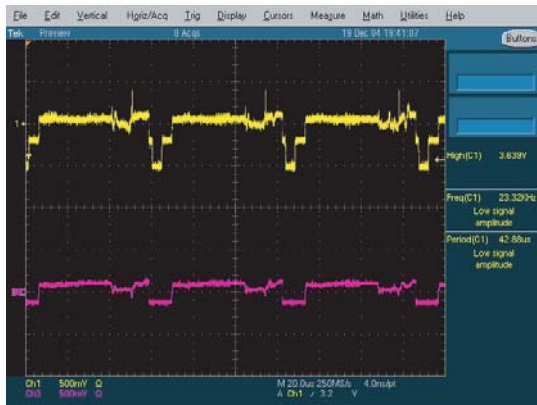


4-2-8 No Picture (Component1,2)

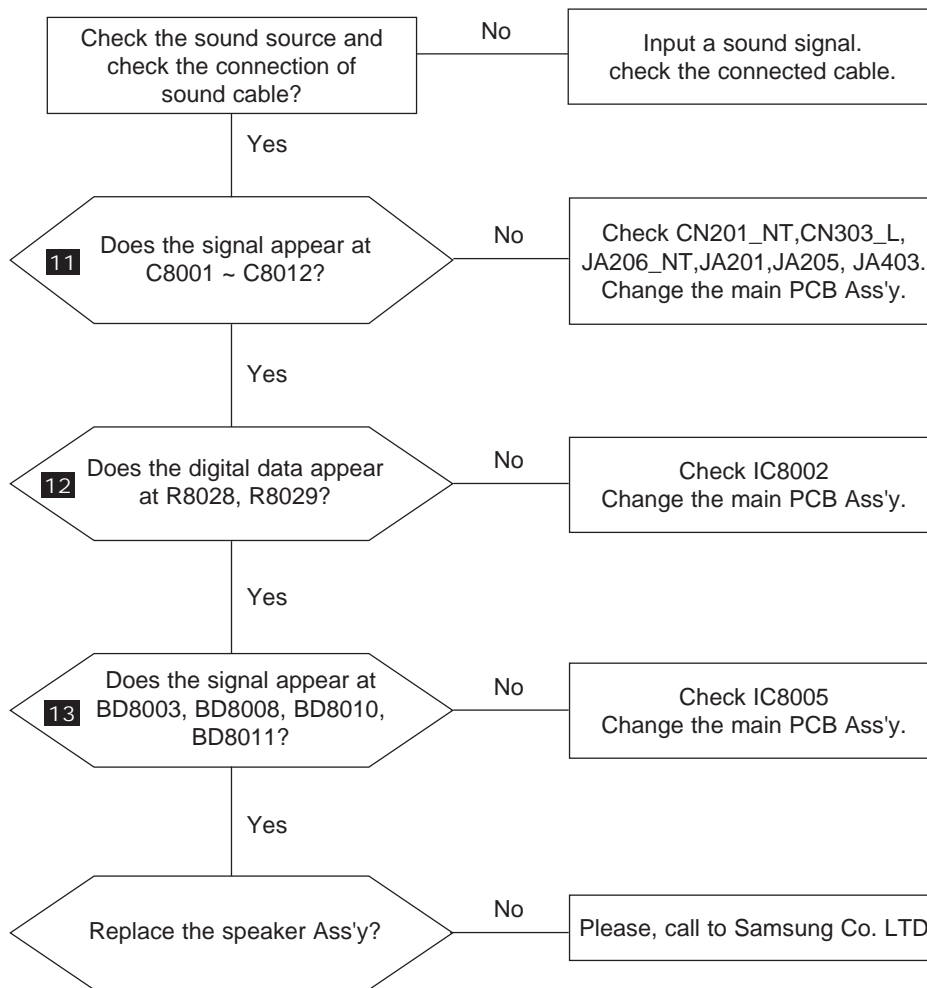


WAVEFORMS

10 Component Input (Y/Pb)

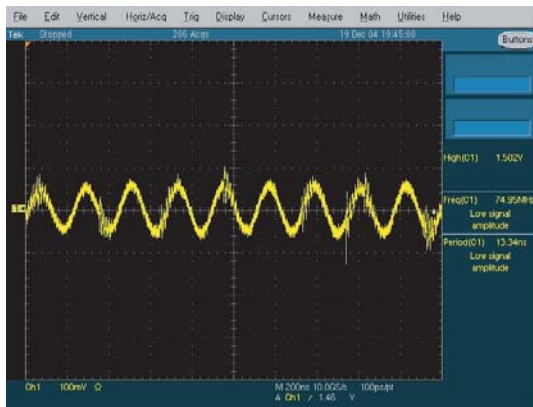


4-2-9 No Sound

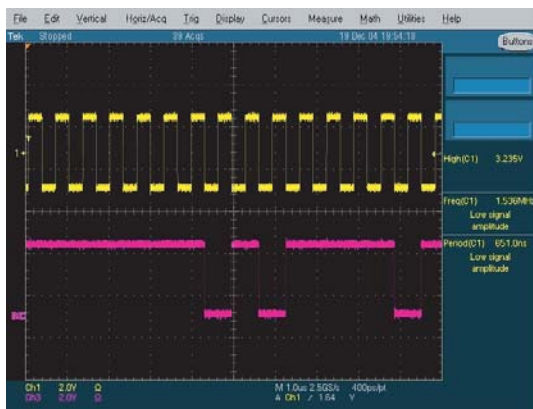


WAVEFORMS

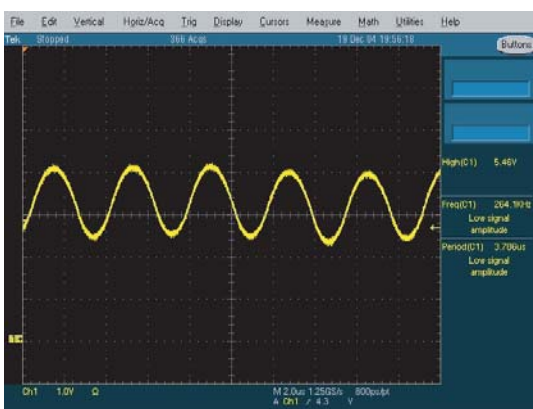
11 Audio Input (Sign Wave)



12 12S Input (CLK, DATA)



13 Audio Amp Out (Sign Wave)



Memo