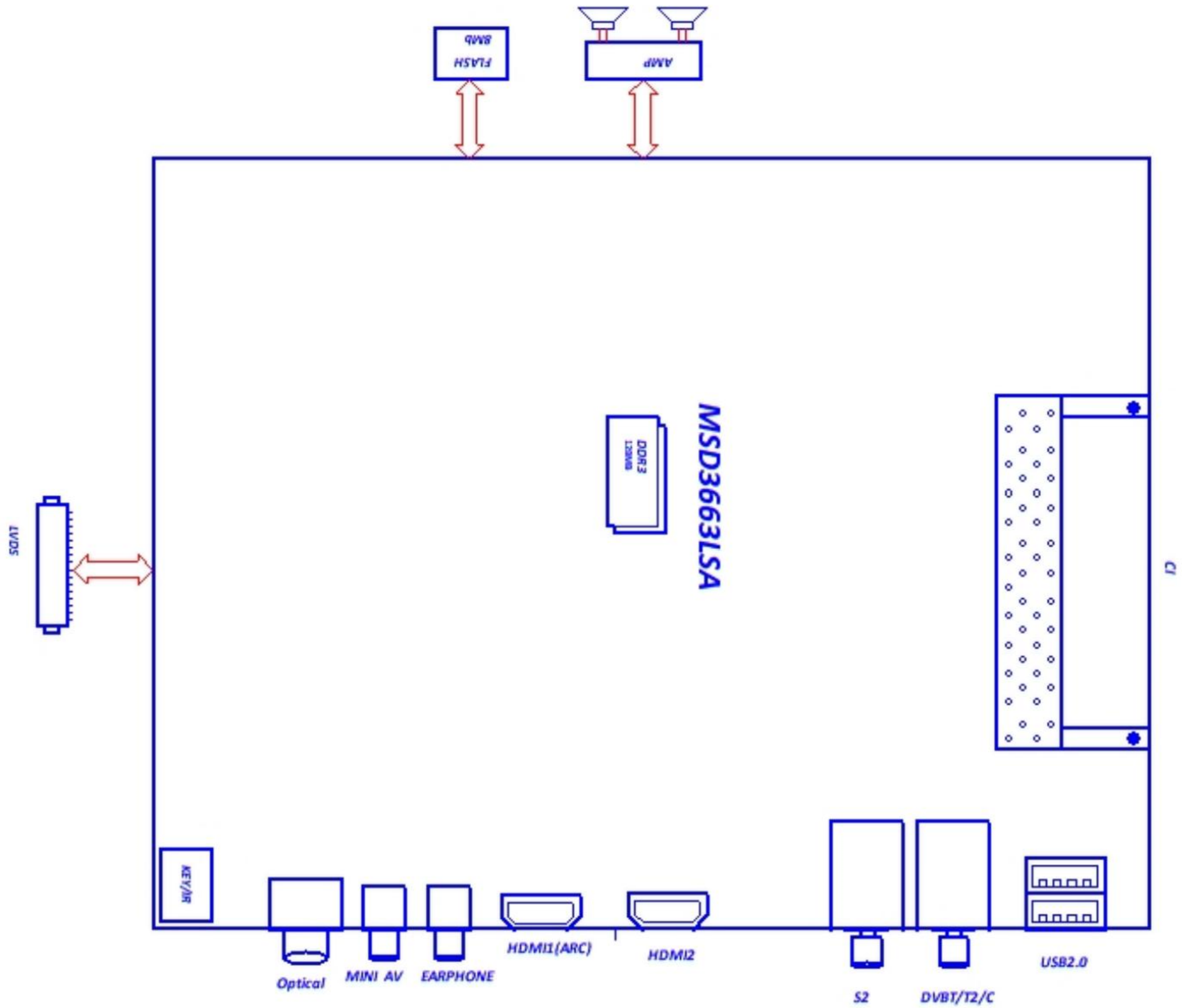
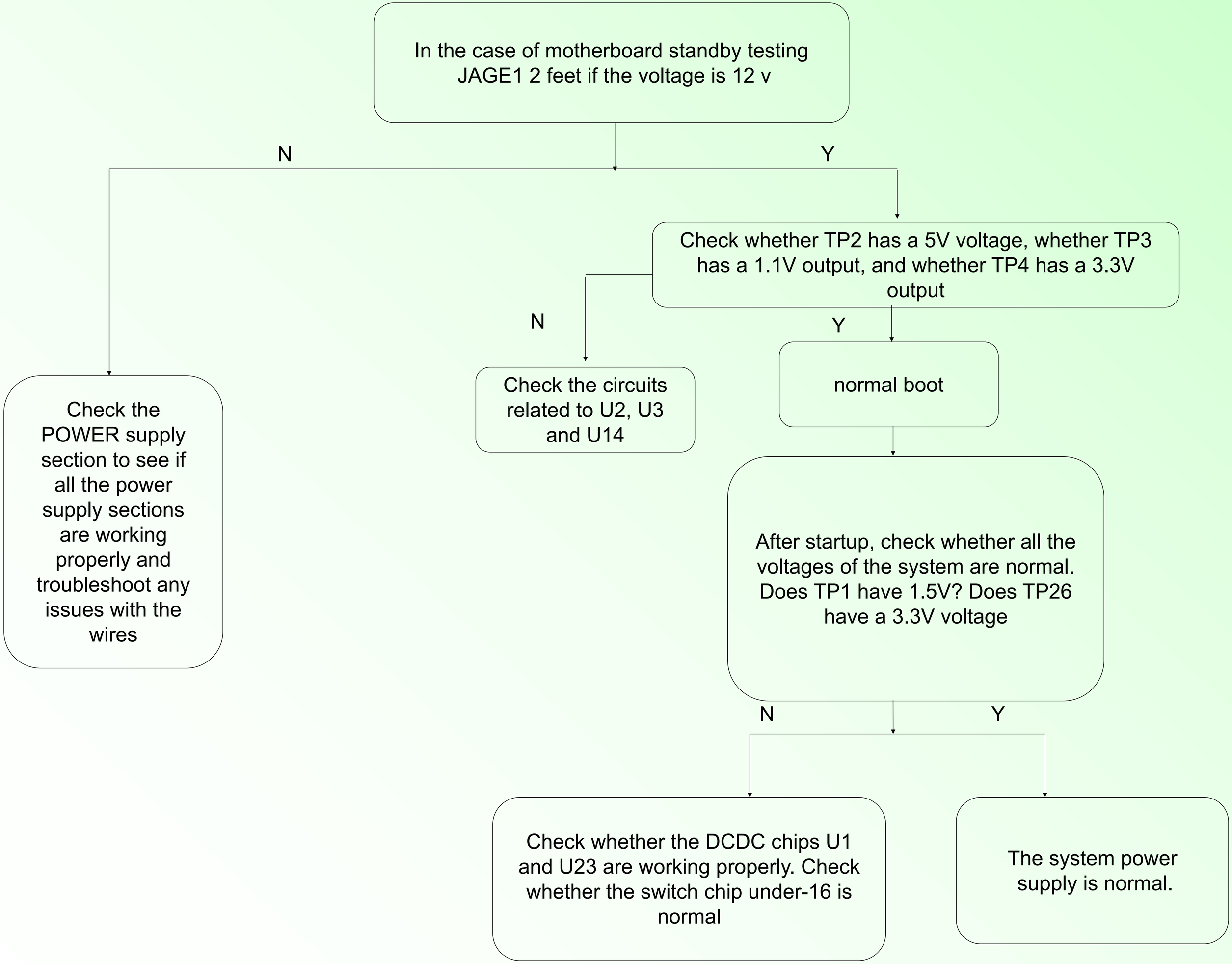
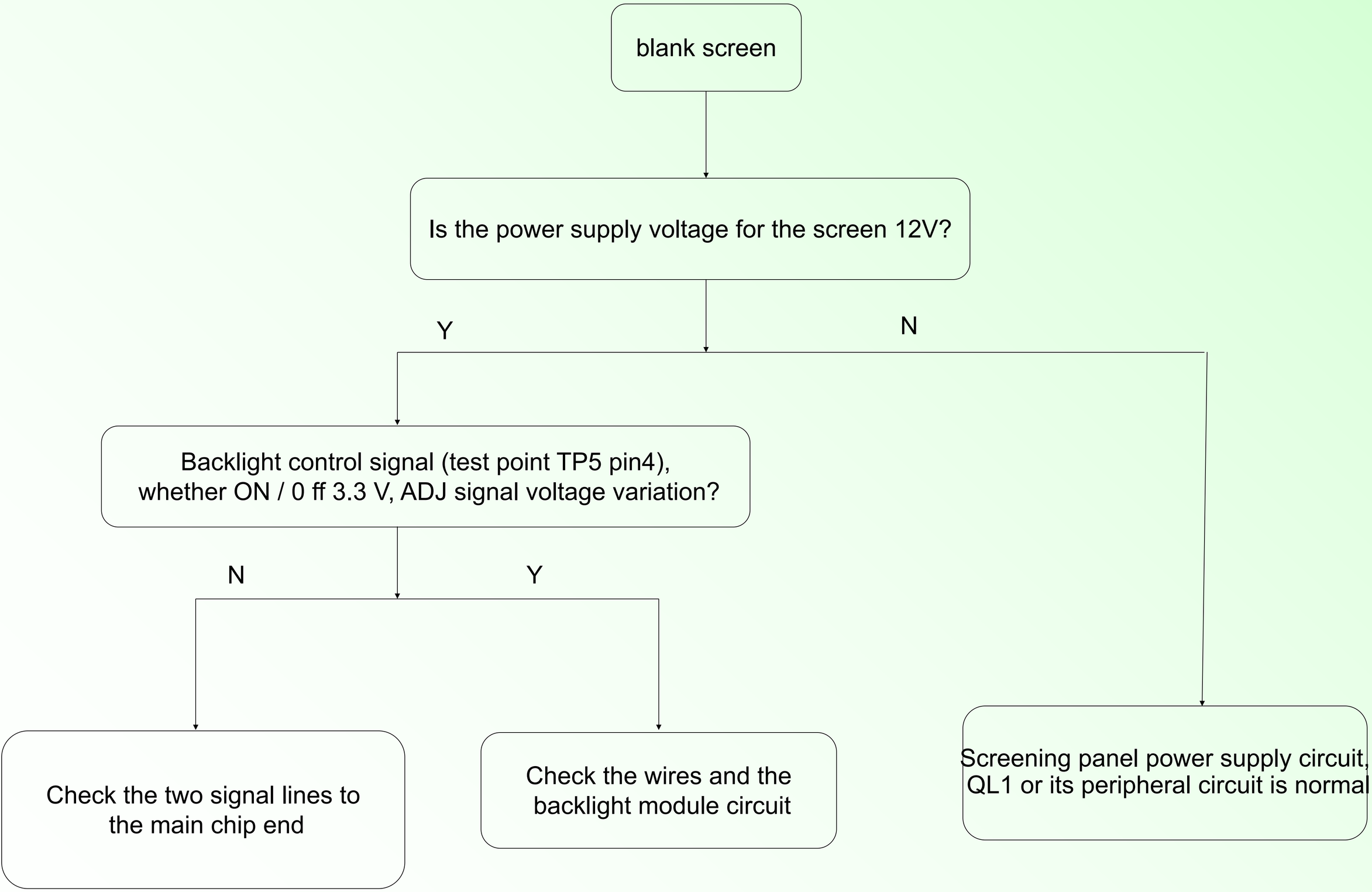
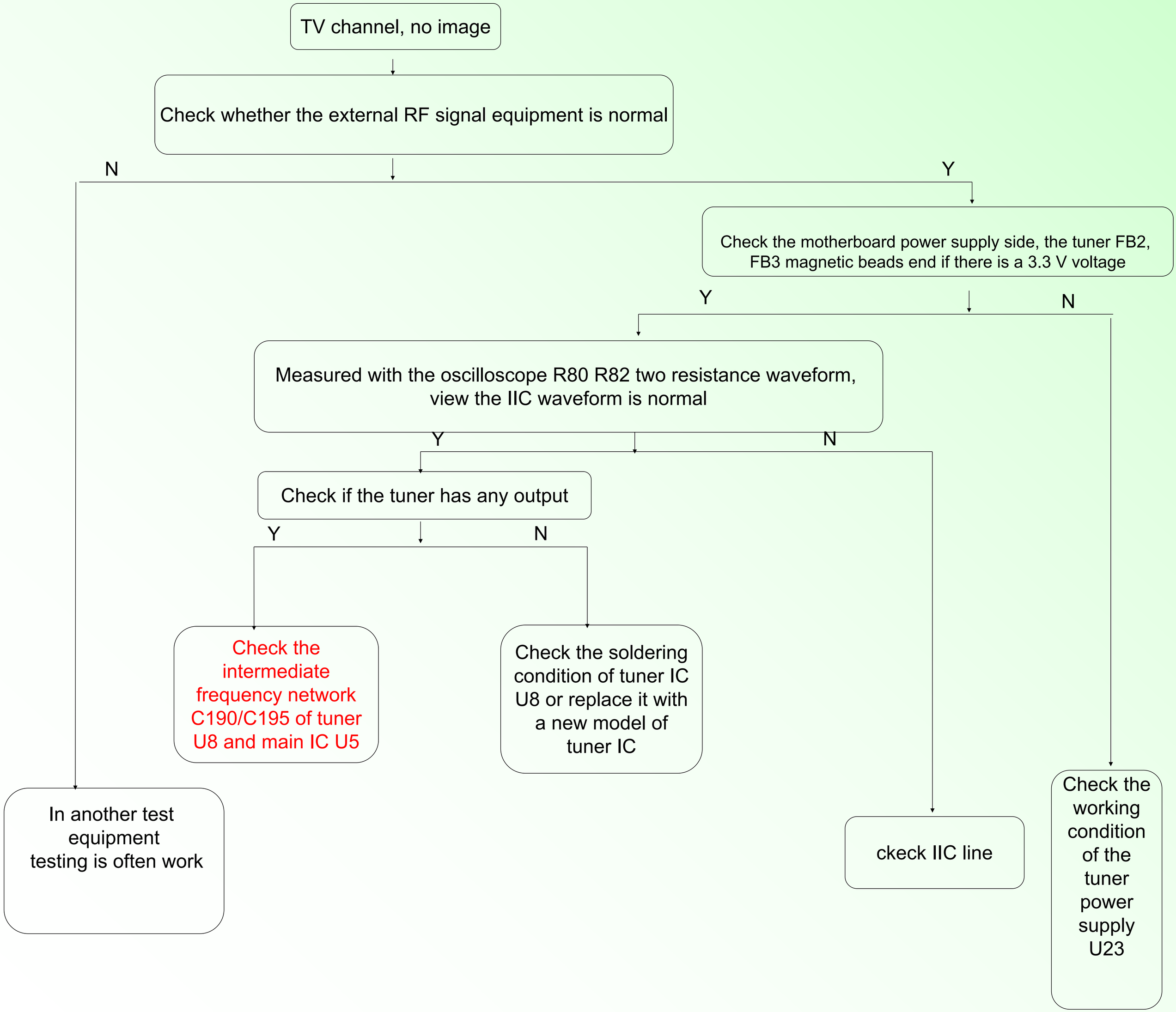
CV3663C-W32
Common problems solution

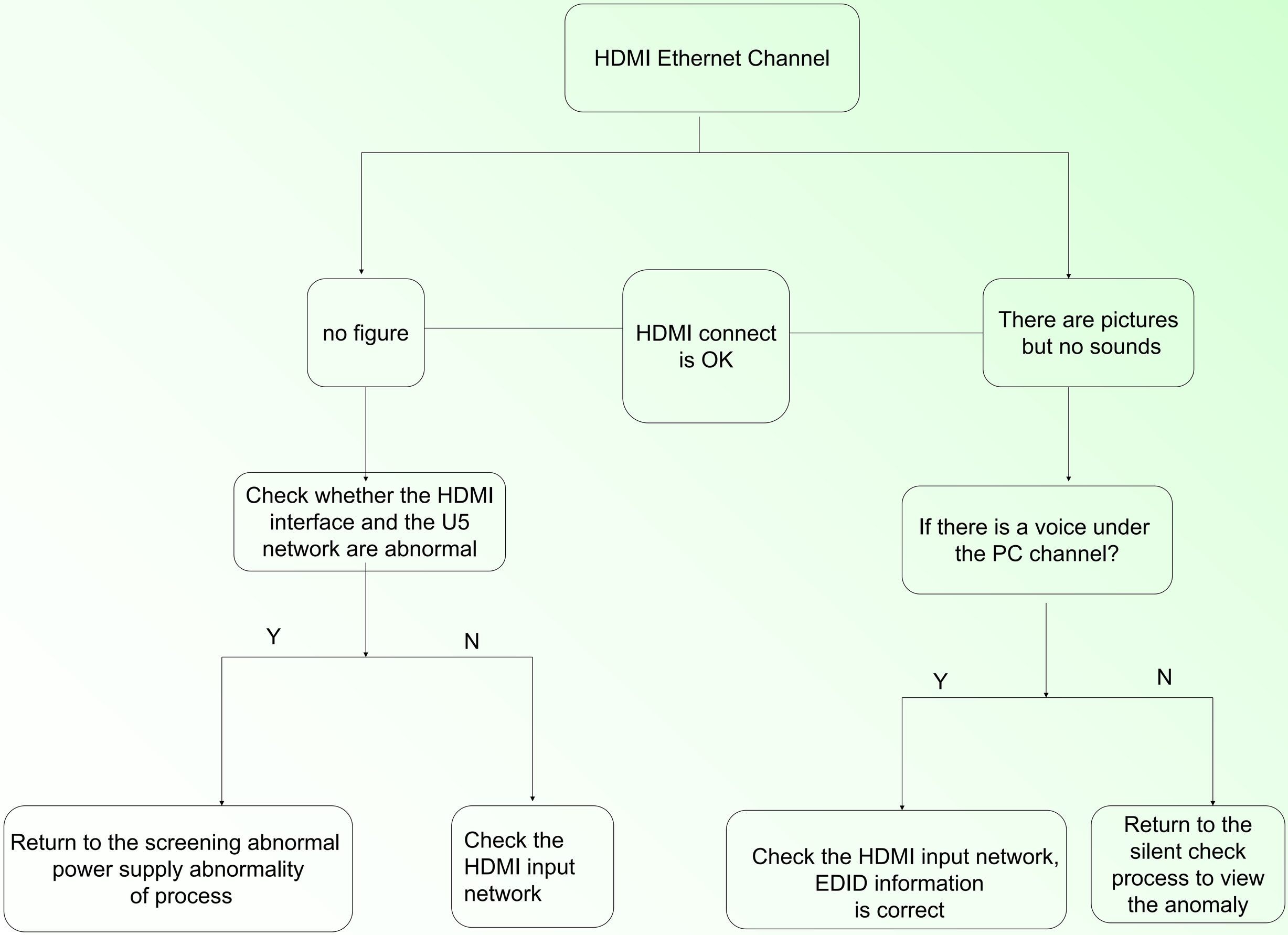
—Power Unit Problem Solving
—Display Unit Problem Solving
—Audio Unit Problem Solving
—Functional Unit Problem Solving

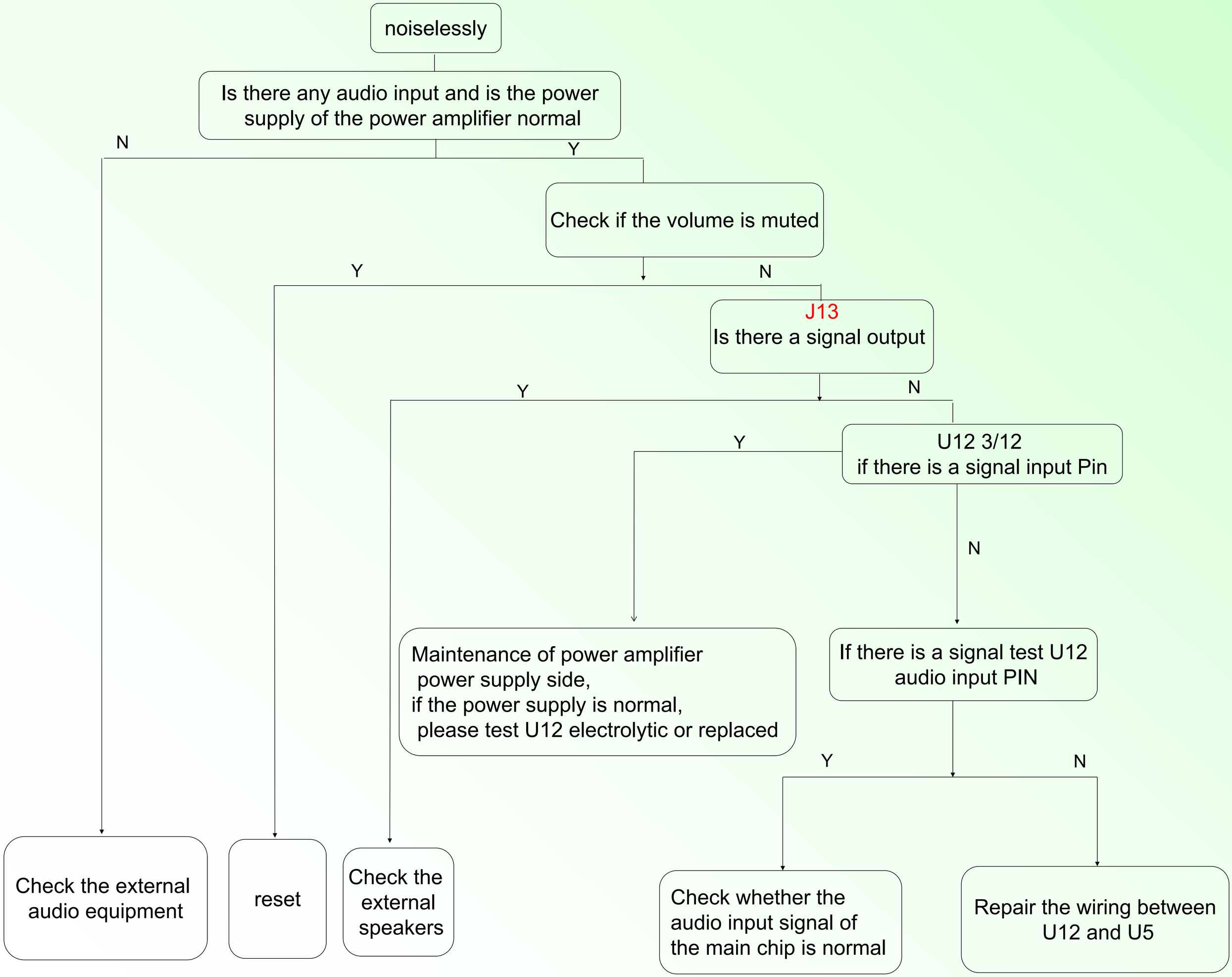

FLASH
8MB
AMP
MSD3663LSA
DDR3
128MB
LVDS
CI
KEY/IR
Optical
MINI AV
EARPHONE
HDMI1(ARC)
HDMI2
S2
DVBT/T2/C
USB2.0


In the case of motherboard standby testing JAGE1 2 feet if the voltage is 12 v
N
Y
Check the POWER supply section to see if all the power supply sections are working properly and troubleshoot any issues with the wires
Check whether TP2 has a 5V voltage, whether TP3 has a 1.1V output, and whether TP4 has a 3.3V output
N
Check the circuits related to U2, U3 and U14
Y
normal boot
After startup, check whether all the voltages of the system are normal. Does TP1 have 1.5V? Does TP26 have a 3.3V voltage
N
Y
Check whether the DCDC chips U1 and U23 are working properly. Check whether the switch chip under-16 is normal
The system power supply is normal.


blank screen
Is the power supply voltage for the screen 12V?
Y
N
Backlight control signal (test point TP5 pin4), whether ON / 0 ff 3.3 V, ADJ signal voltage variation?
N
Y
Check the two signal lines to the main chip end
Check the wires and the backlight module circuit
Screening panel power supply circuit, QL1 or its peripheral circuit is normal


TV channel, no image
Check whether the external RF signal equipment is normal
N
Y
Check the motherboard power supply side, the tuner FB2, FB3 magnetic beads end if there is a 3.3 V voltage
Y
N
Measured with the oscilloscope R80 R82 two resistance waveform, view the IIC waveform is normal
Y
N
Check if the tuner has any output
Y
N
Check the intermediate frequency network C190/C195 of tuner U8 and main IC U5
Check the soldering condition of tuner IC U8 or replace it with a new model of tuner IC
In another test equipment testing is often work
ckeck IIC line
Check the working condition of the tuner power supply U23


HDMI Ethernet Channel
no figure
HDMI connect is OK
There are pictures but no sounds
Check whether the HDMI interface and the U5 network are abnormal
Y
N
Return to the screening abnormal power supply abnormality of process
Check the HDMI input network
If there is a voice under the PC channel?
Y
N
Check the HDMI input network, EDID information is correct
Return to the silent check process to view the anomaly


noiselessly
Is there any audio input and is the power supply of the power amplifier normal
N
Y
Check if the volume is muted
Y
N
J13
Is there a signal output
Y
N
U12 3/12
if there is a signal input Pin
Y
N
Maintenance of power amplifier power supply side, if the power supply is normal, please test U12 electrolytic or replaced
If there is a signal test U12 audio input PIN
Y
N
Check the external audio equipment
reset
Check the external speakers
Check whether the audio input signal of the main chip is normal
Repair the wiring between U12 and U5