# 锁频原理

UPTIME(s) CPU(F/L/T) GPU(F/L/T) VPU/HEVC(F) DDR(F/L) FPS

00:03:45 1608/04/61 594/00/59 000/000 516/00 0.0

分析rk修改原理

分析重启dji原理

分析ams锁屏原理，594->550之间调整？

拆机分析呢？

# 日志

## 抓取手段

adb shell rm -rf /sdcard/logs

adb shell mkdir /sdcard/logs

adb reboot

adb root

adb remount

adb shell

#dmesg > /sdcard/logs/kernel.log

cat /proc/kmsg > /sdcard/logs/kernel0324.log

adb shell

logcat -b main -b system -b radio -b events -v time > /sdcard/logs/logcat0324-dji.log

adb shell

. hardware\_monitor.sh > /sdcard/logs/hardware0324.log

cp -rf /data/tombstones /sdcard/logs/

cp -rf /data/anr /sdcard/logs/

exit

adb pull /sdcard/logs

## dmesg | grep dvfs

root@gl300e:/ # dmesg | grep dvfs

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<3>[ 0.000000] DVFS ERR: of\_dvfs\_init:vd(board\_id) get regulator\_name err, ret:-22

<4>[ 2.314766] MALI\_DVFS\_STEP = 6, div\_dvfs = 6

<6>[ 2.314775] mali\_dvfs\_infotbl[0].clock=99000,min\_threshold=0,max\_threshold=70

<6>[ 2.314783] mali\_dvfs\_infotbl[1].clock=198000,min\_threshold=64,max\_threshold=76

<6>[ 2.314789] mali\_dvfs\_infotbl[2].clock=297000,min\_threshold=73,max\_threshold=82

<6>[ 2.314796] mali\_dvfs\_infotbl[3].clock=417000,min\_threshold=79,max\_threshold=88

<6>[ 2.314802] mali\_dvfs\_infotbl[4].clock=480000,min\_threshold=89,max\_threshold=94

<6>[ 2.314809] mali\_dvfs\_infotbl[5].clock=594000,min\_threshold=93,max\_threshold=100

<4>[ 67.021662] | | |- clock: clk\_gpu current: rate 99000, volt = 950000, enable\_dvfs = ENABLE

<4>[ 67.021902] | | |- clock: aclk\_vio1 current: rate 297360, volt = 1100000, enable\_dvfs = ENABL

<4>[ 67.022013] | | |- clock: clk\_ddr current: rate 516000, volt = 1150000, enable\_dvfs = ENABLE

<4>[ 67.022203] | | |- clock: clk\_core current: rate 600000, volt = 900000, enable\_dvfs = ENABLE

## 删掉600M ok

[0351@1.3：pass](mailto:0351@1.3：pass)

9.0.0.XX为600M@为1.325v：pass

[600@1.275](mailto:600@1.275):pass

[600@1.2](mailto:600@1.275)5:no?

9.0.2.1Dvfs [600@1.25：工厂no](mailto:600@1.25：工厂no)，key测no

0381：key测no

Dvfs-删掉600M配置：pass

Dvfs +600@1.275?

root@gl300e:/ # dmesg | grep dvfs

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<6>[ 0.000000] dvfs\_node\_parse\_dt>>>>>>cpufreq mode=0

<3>[ 0.000000] DVFS ERR: of\_dvfs\_init:vd(board\_id) get regulator\_name err, ret:-22

<4>[ 2.299506] MALI\_DVFS\_STEP = 5, div\_dvfs = 7

<6>[ 2.299515] mali\_dvfs\_infotbl[0].clock=99000,min\_threshold=0,max\_threshold=70

<6>[ 2.299522] mali\_dvfs\_infotbl[1].clock=198000,min\_threshold=65,max\_threshold=77

<6>[ 2.299529] mali\_dvfs\_infotbl[2].clock=297000,min\_threshold=75,max\_threshold=84

<6>[ 2.299536] mali\_dvfs\_infotbl[3].clock=417000,min\_threshold=82,max\_threshold=91

<6>[ 2.299542] mali\_dvfs\_infotbl[4].clock=480000,min\_threshold=94,max\_threshold=100