

VLC Lamp LEDs PWM duty cycle (brightness)



No. of VLC frame chunks **6**
 Chunk duration **68** ms
 Inter-chunk delay **200** ms
 Total duration to TX VLC frame **1.408** s
 Total duration to RX VLC frame **1.408** s

BLE scan window **50** ms
 BLE scan interval **100** ms
 BLE scan duty cycle **0.5**

Boot duration **72** s
 Avg. Boot current **0.409** A

1. Boot

Idle duration **60** s

BLE OFF

Duration of Ethernet data transfer **60** sAvg. current **0.2557** AAvg. current **0.2556** AAvg. current **0.2557** AAvg. current **0.3887** A

2. BBB idle

5. VLC CMD TX

8. VLC DATA RX

13. Ethernet data transfer

BLE scan duration **60** s

BLE scanning active

Avg. current **0.2556** AAvg. current **0.2506** AAvg. current **0.2557** AAvg. current **0.3887** A

3. BBB idle + BLE scanning

7. VLC CMD TX during BLE scan

10. VLC DATA RX during BLE scan

16. Ethernet data transfer during BLE scan

BLE connection duration **60** s

BLE-connected to node

Avg. current **0.2557** AAvg. current **0.2556** AAvg. current **0.2557** AAvg. current **0.3887** A

4. BBB idle + BLE connected to node

6. VLC CMD TX during BLE connection

9. VLC DATA RX during BLE connection

14. Ethernet data transfer during BLE connection

Duration BLE CMD TX **4.5** msDuration of BLE data RX **2.5** msAvg. current **0.3337** AAvg. current **0.3596** A

(Lamp can be ON or OFF)

(Lamp needs to be ON during VLC TX, 1 - 98%)

(Lamp can be ON or OFF)

(Lamp can be ON or OFF)

(Lamp can be ON or OFF)

(Lamp can be ON or OFF)

Target sampling frequency **1000** samples/s
 Current variation **1** mA
 Duration variation **0.005** s
 Overall average current **314.9** mA
 Overall average duration **751.2** s

CREATE DATASET Saving indicator

No. of last states **5**No. of cycles **5**

REPEAT LAST STATES

OVERALL AVERAGE CURRENT **315.1** mATOTAL CHARGE CONSUMPTION **65.76** mAhTOTAL ENERGY CONSUMPTION **328.8** mWhTOTAL DURATION **751.2** s

RESET

EXIT

REMOVE LAST OPERATION IN PLOT

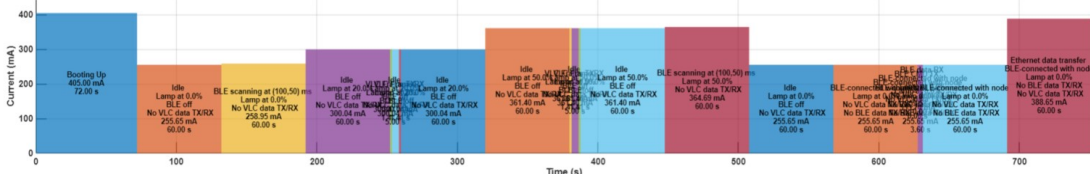
Operation Count **21**

Filename

SAVE

LOAD

Instantaneous Current vs Time



BBB AP Current Profile (751.25 s total)

