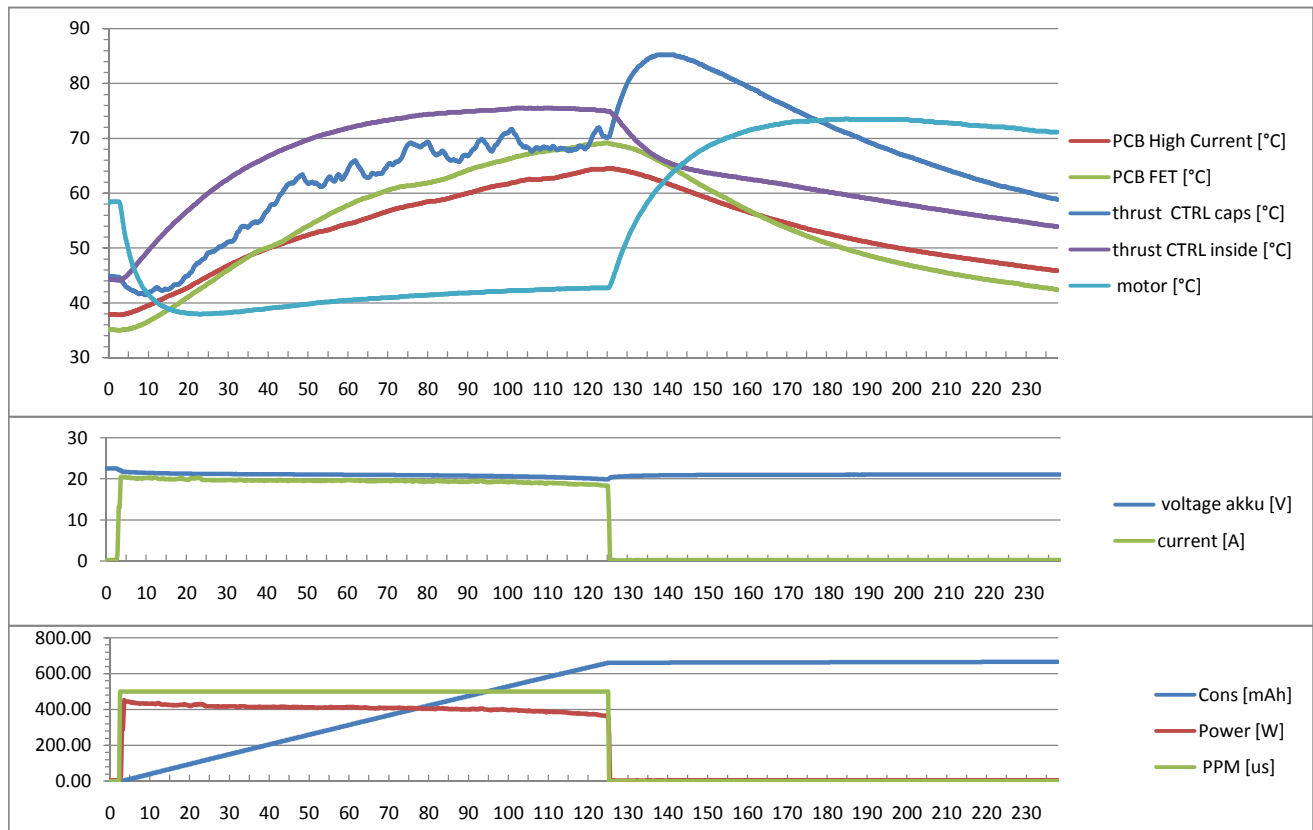


Sensor Location	Temp. @ t=120s (meas.)	Temp. @ final state (approx.)
PCB High Current	64.2	75.0
PCB FET	68.5	78.0
thrust CTRL caps	68.8	70.0
thrust CTRL inside	75.2	75.0
motor	42.7	45.0

Specs	Value
PPM Signal	500 us
E	50.1 kJ
C	666.8 mAh
I_max	20.5 A
P_max	451 W



Remarks

- Temperature Rise Motor after Shut down is significant, but not critical since windings and core can handle much more (>130°C).
- Temperature Rise CTRL Caps after Shut down is critical. These Caps may burst @ 105°C

Results

- With the mounted FETs a steady state current of 20 A is still safe, but getting close to a critical Temperature > 80°C.
- We can safely adjust the maximum PPM signal from 360 us to 500 us