

Sarah Goossens

Dramco

KU Leuven

Sheet: /STM32&Sensors/

File: STM32&Sensors.kicad_sch

Title: Plantensensor

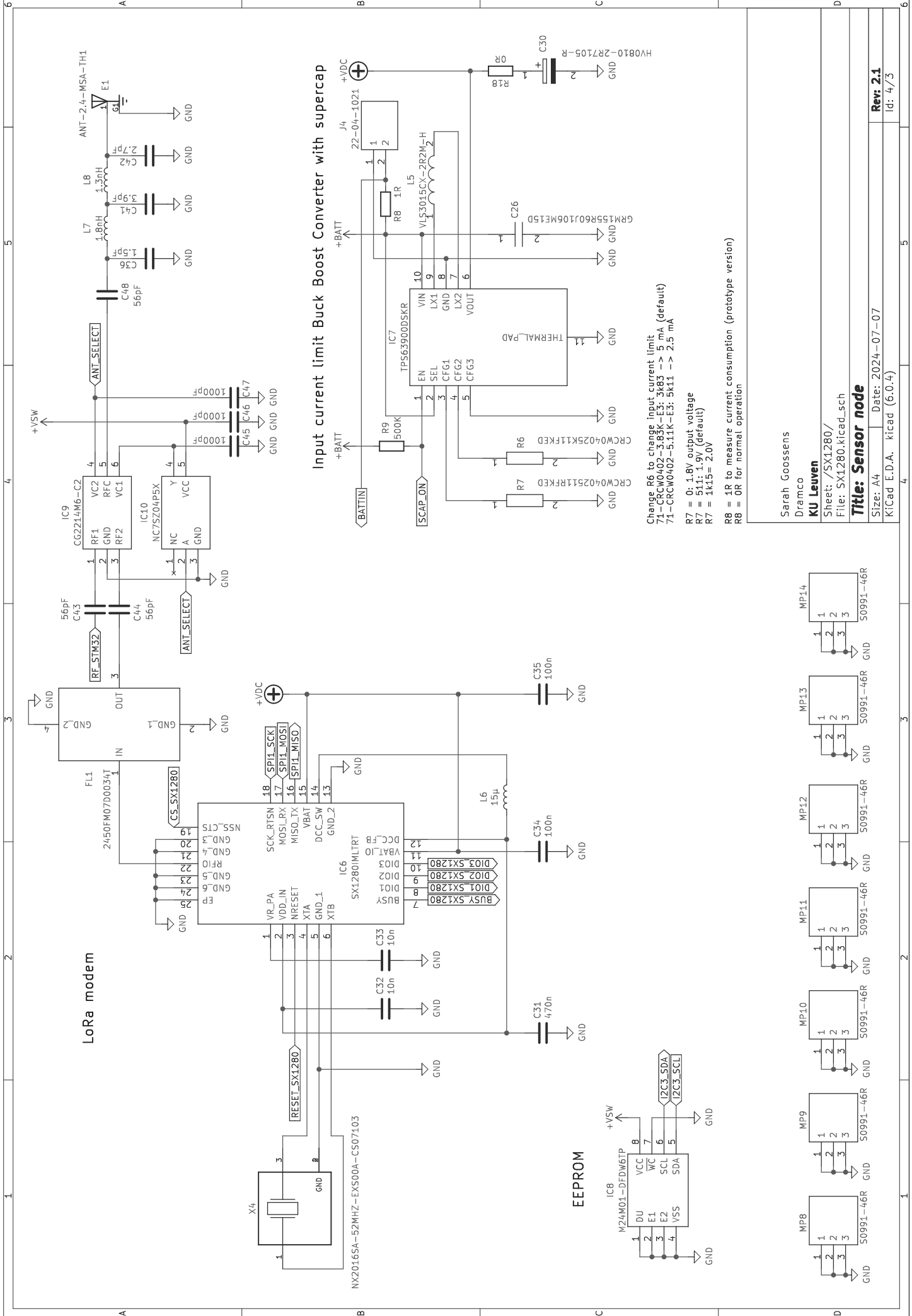
Size: A4

Date: 2024-07-07

KiCad E.D.A. kicad (6.0.4)

Rev: 2.1

Id: 2/3



LoRa modem

Input current limit Buck Boost Converter with supercap

EEPROM

Change R6 to change input current limit
71-CRCW0402-3.83K-E3: 3k83 -> 5 mA (default)
71-CRCW0402-5.11K-E3: 5k11 -> 2.5 mA

R7 = 0: 1.8V output voltage
R7 = 51k: 1.9V (default)
R7 = 1k15= 2.0V

R8 = 1R to measure current consumption (prototype version)
R8 = 0R for normal operation

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Sheet: /SX1280/

File: SX1280.kicad.sch

Title: Sensor node

Size: A4

Date: 2024-07-07

KiCad E.D.A. kicad (6.0.4)

Rev: 2.1

Id: 4/73