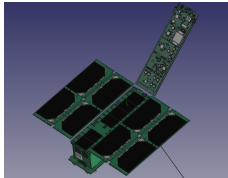
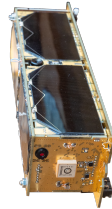
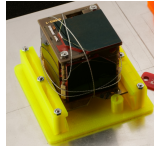
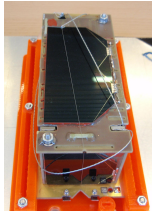
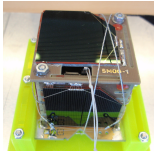


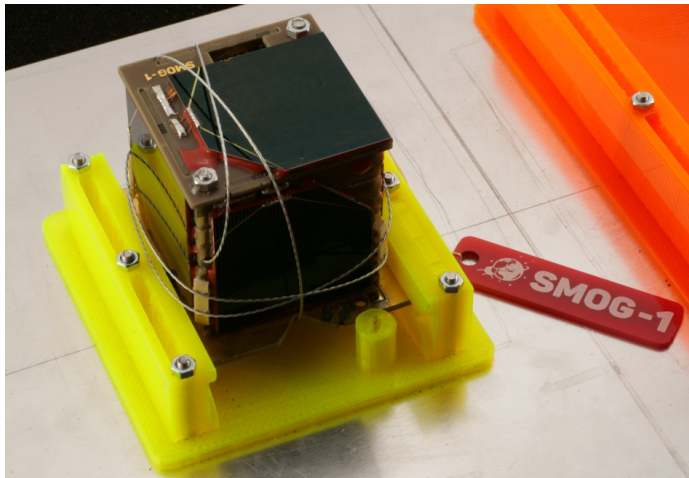
Műegyetemi hallgatói műholdak



Műegyetemi Rádió Club 1924-2024

SMOG-1 Decay

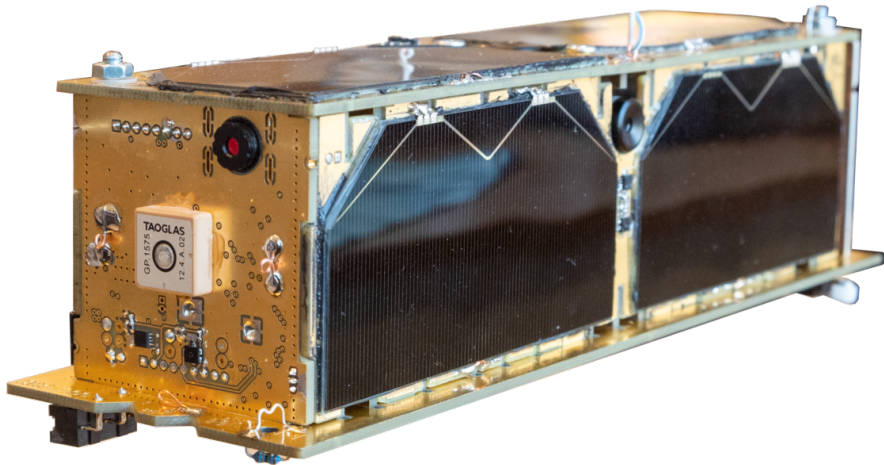
600 km LEO



Soyuz start: 2024-03-22, decay: 2024-07-28

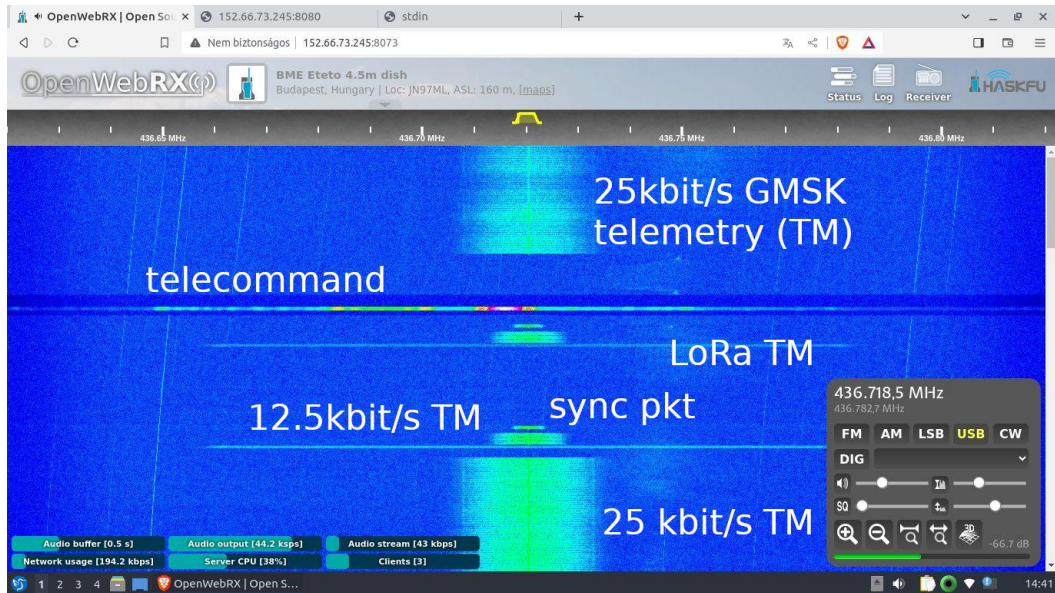
MRC-100 - 3 PQ

2023-06-12 Falcon 9 start + 2023-06-22 560 km LEO (404 km)



578 g - 5 x 5 x 15 cm - 800 mW DC

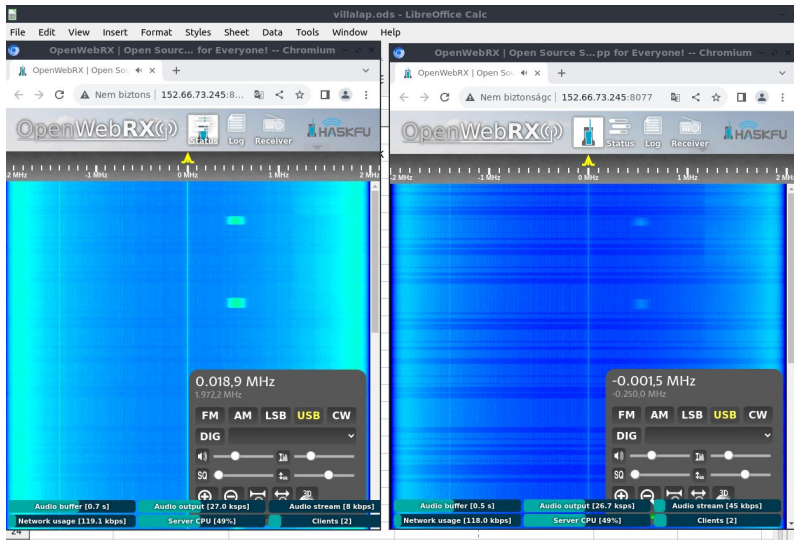
MRC-100 waterfall



MRC-100 S-band RX



MRC-100 S-band 2267.5 MHz GMSK



100 - 200 - 400 kbit/s downlink datarate

MRC-100: Earth



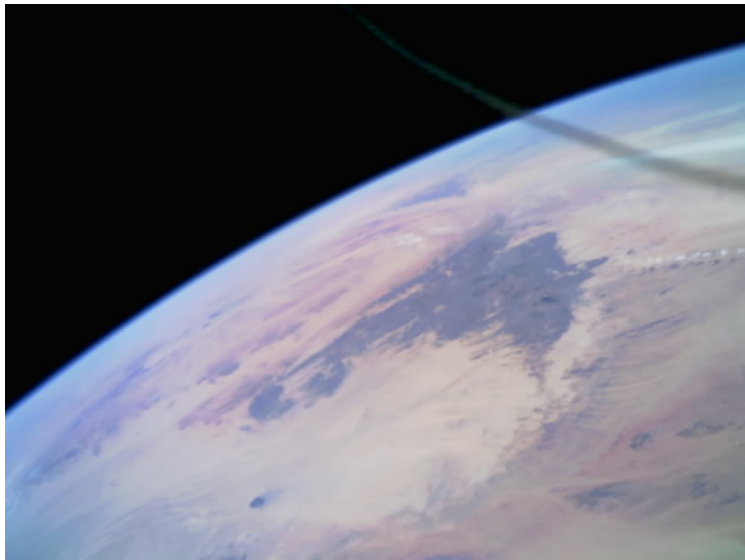
MRC-100: Earth



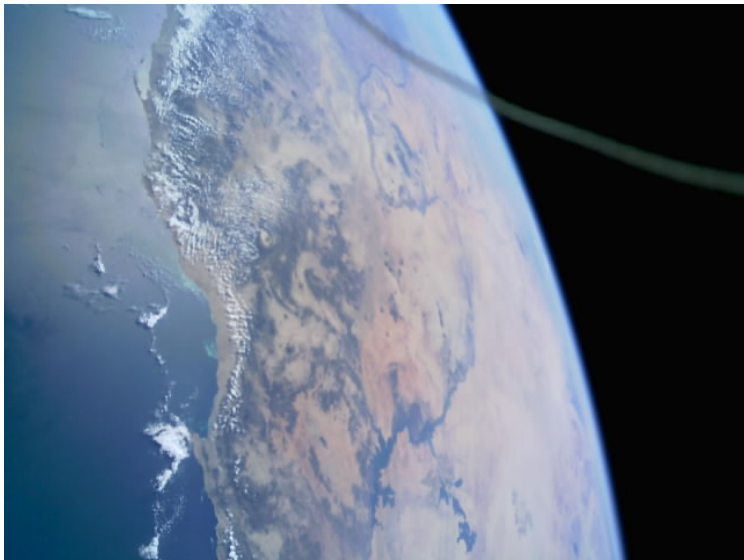
MRC-100: Earth



MRC-100: Earth



MRC-100: Earth



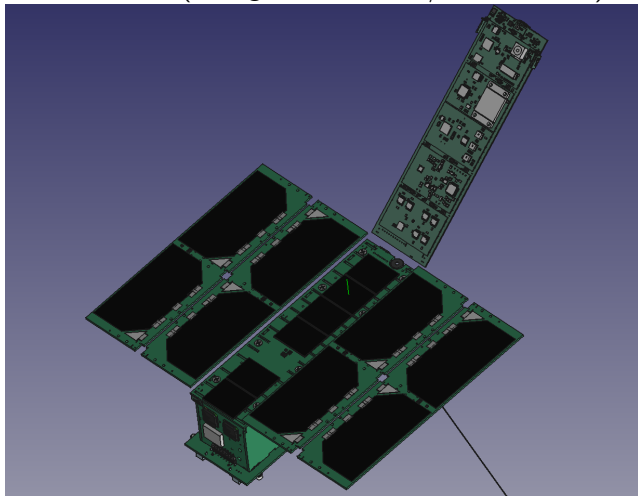
MRC-100 - last telemetry

```
MRC-100 STATUS: 0
Packet - Beacon
Timestamp: 2024-10-23 14:17:03
Serial number -7: 4294967295   RSSI: 255
Serial number -6: 4294967295   RSSI: 255
Serial number -5: 4294967295   RSSI: 255
Serial number -4: 4294967295   RSSI: 255
Serial number -3: 4294967295   RSSI: 255
Serial number -2: 4294967295   RSSI: 255
Serial number -1: 4294967295   RSSI: 255
Serial number -0: 4294967295   RSSI: 255
COM telemetry TX max current: 56 [mA]
COM telemetry TX min voltage: 2534 [mV]
Active COM: COM-2
Energy management COM TX MCS: G001
Energy management COM TX power level: 3
Energy management COM cycle sleep time: 480 [sec]
Energy management emergency mode: ACTIVE
Message: Hello world! MRC-100 is alive!
levi@mrc100:~ $ _
```

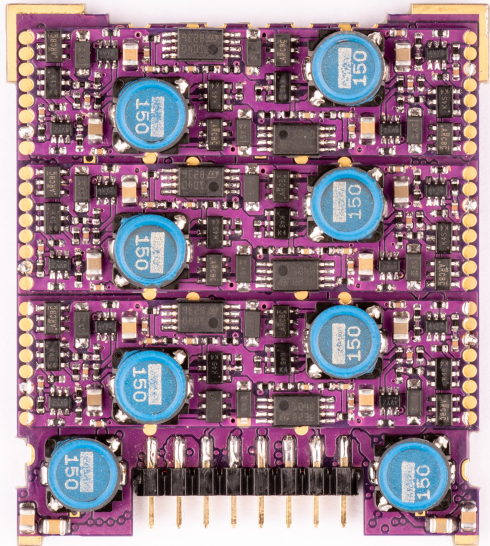
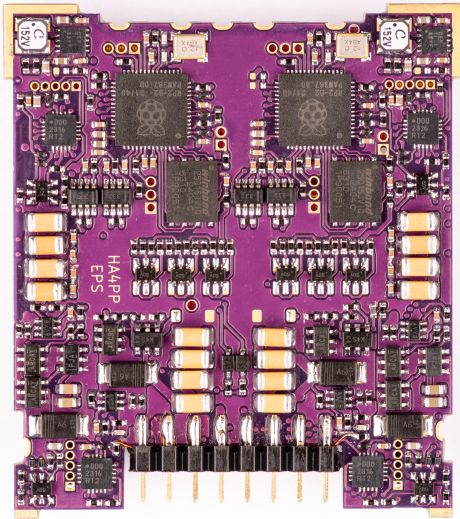
LEO 570 km, 2024-11-09 404 km

HUNITY (NMHH-1)

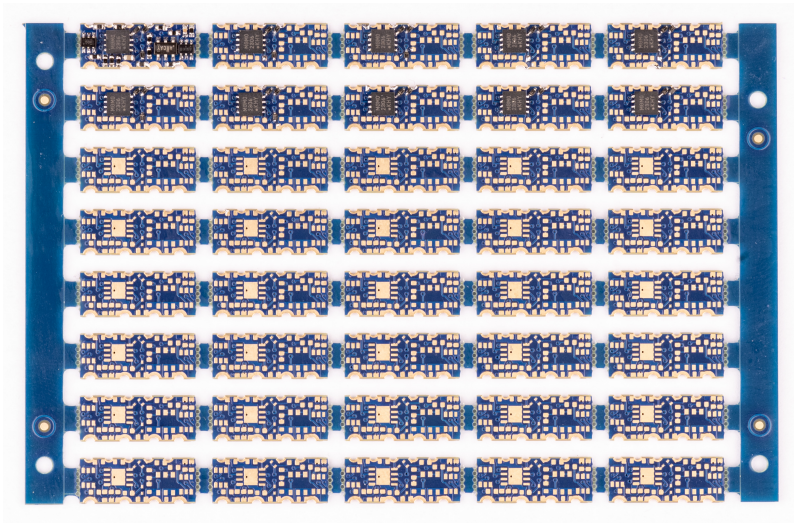
HU + UNI (HUNgarian UNITY / UNIversity)



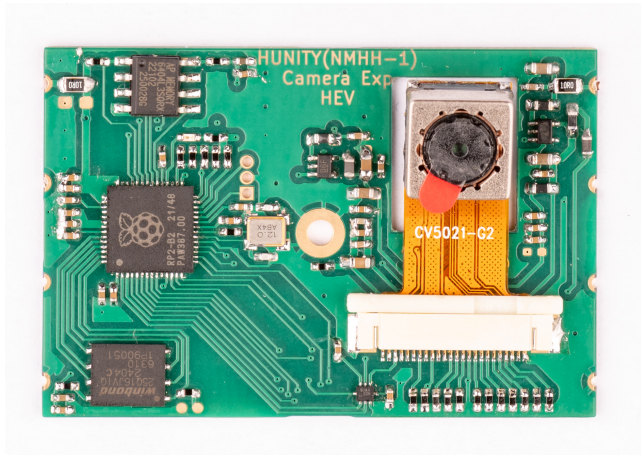
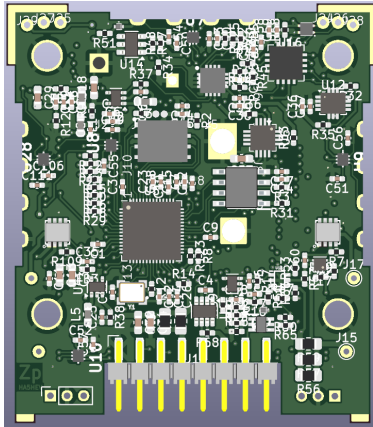
HUNTER (NMHH-1) EPS



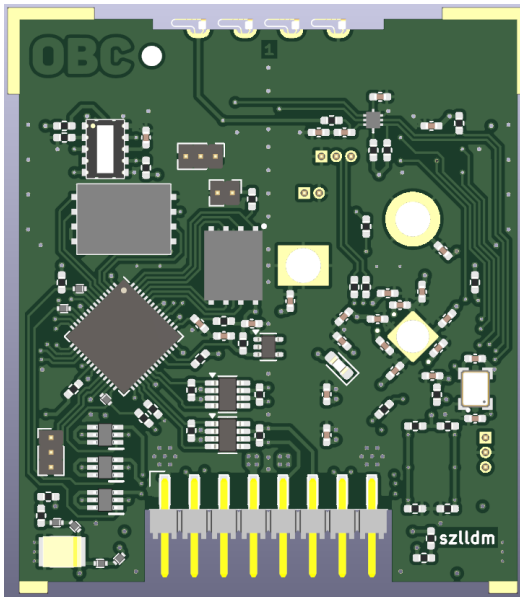
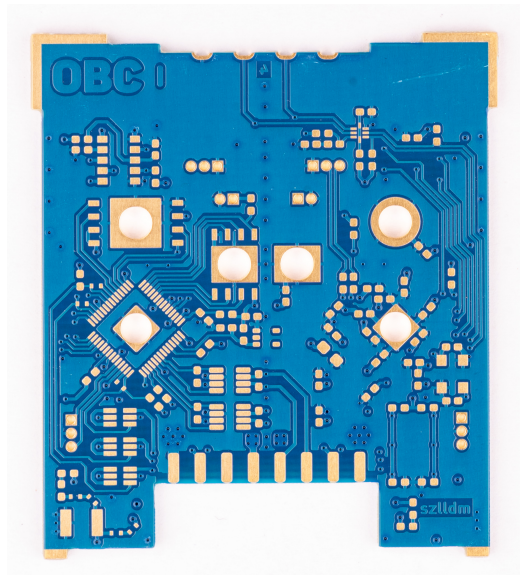
HUNTER (NMHH-1) LSW



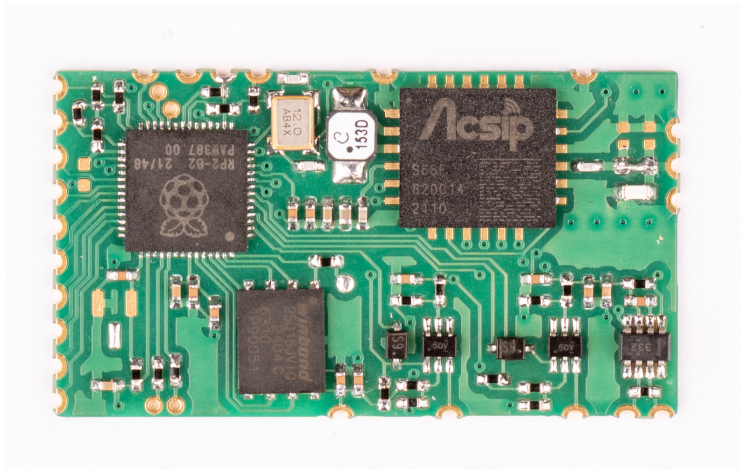
HUNTY (NMHH-1) BAT + CAM



HUNTY (NMHH-1) OBC

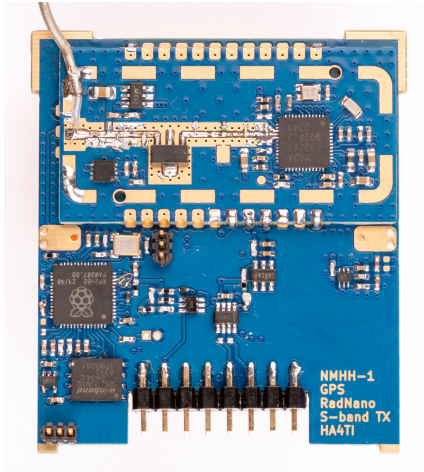
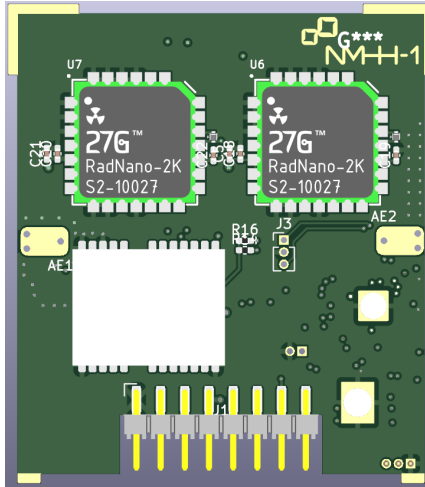


HUNTER (NMHH-1) COM

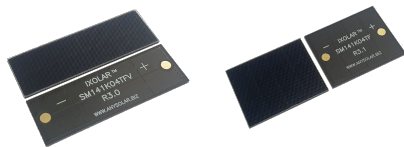
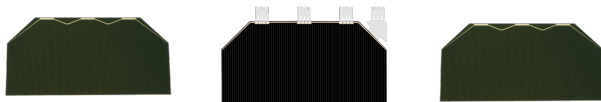
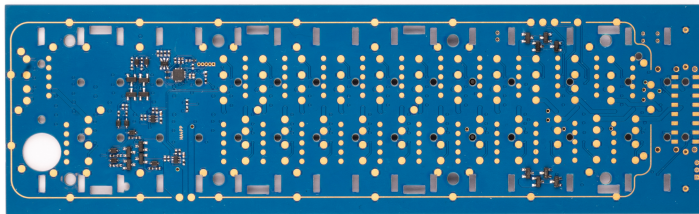


437.390 MHz 12.5 kHz UL
20 kHz GMSK DL + 67.5 kHz LoRa DL

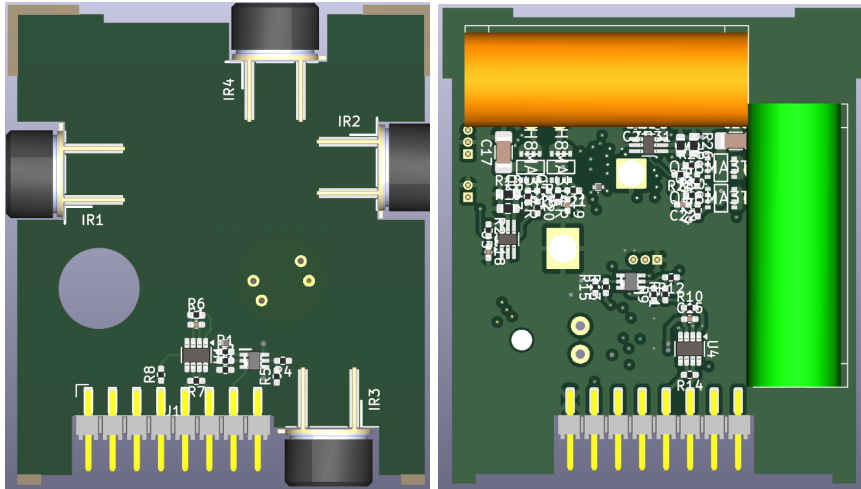
HUNTY (NMHH-1) GRS



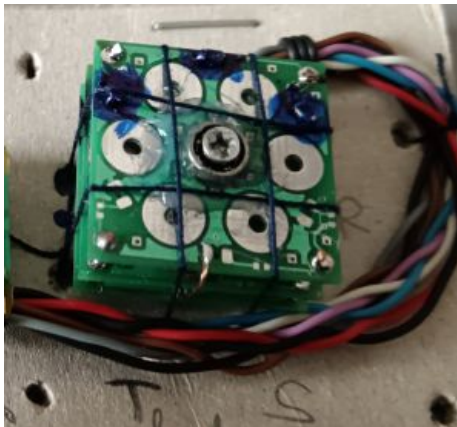
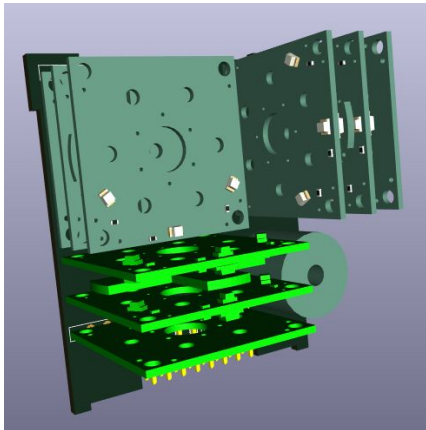
HUNTER (NMHH-1) BASE + SC



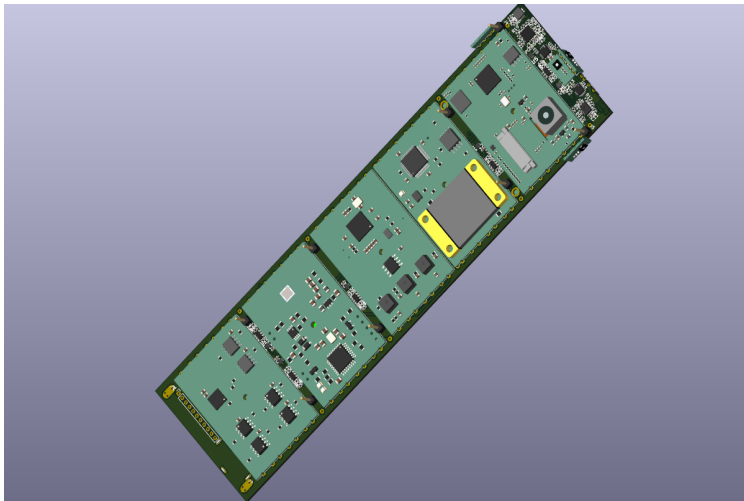
HUNTER (NMHH-1) SUN + ACMAG



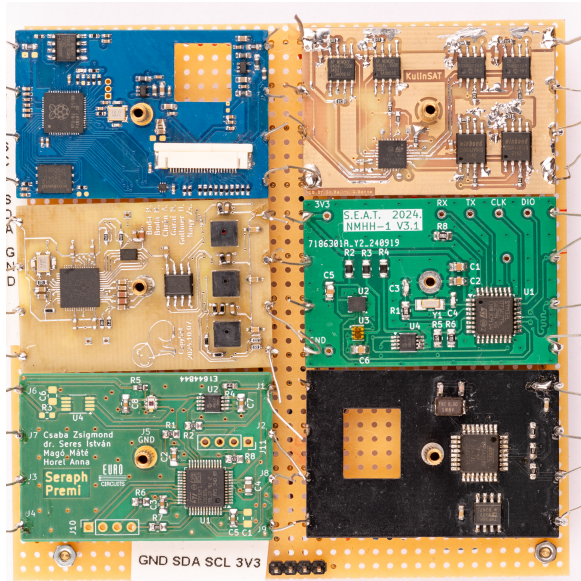
HUNTER (NMHH-1) ACMOT



HUNTER (NMHH-1) EXP



HUNTY (NMHH-1) EXP



GND - Satellite RX - <https://gnd.bme.hu/>



MaSat-1, SMOG-P, ATL-1, SMOG-1, MRC-100

HUNTY (NMHH-1) 3PQ - 2025 Q4 Falcon?

<https://gitlab.com/phorvath/smogcli2>