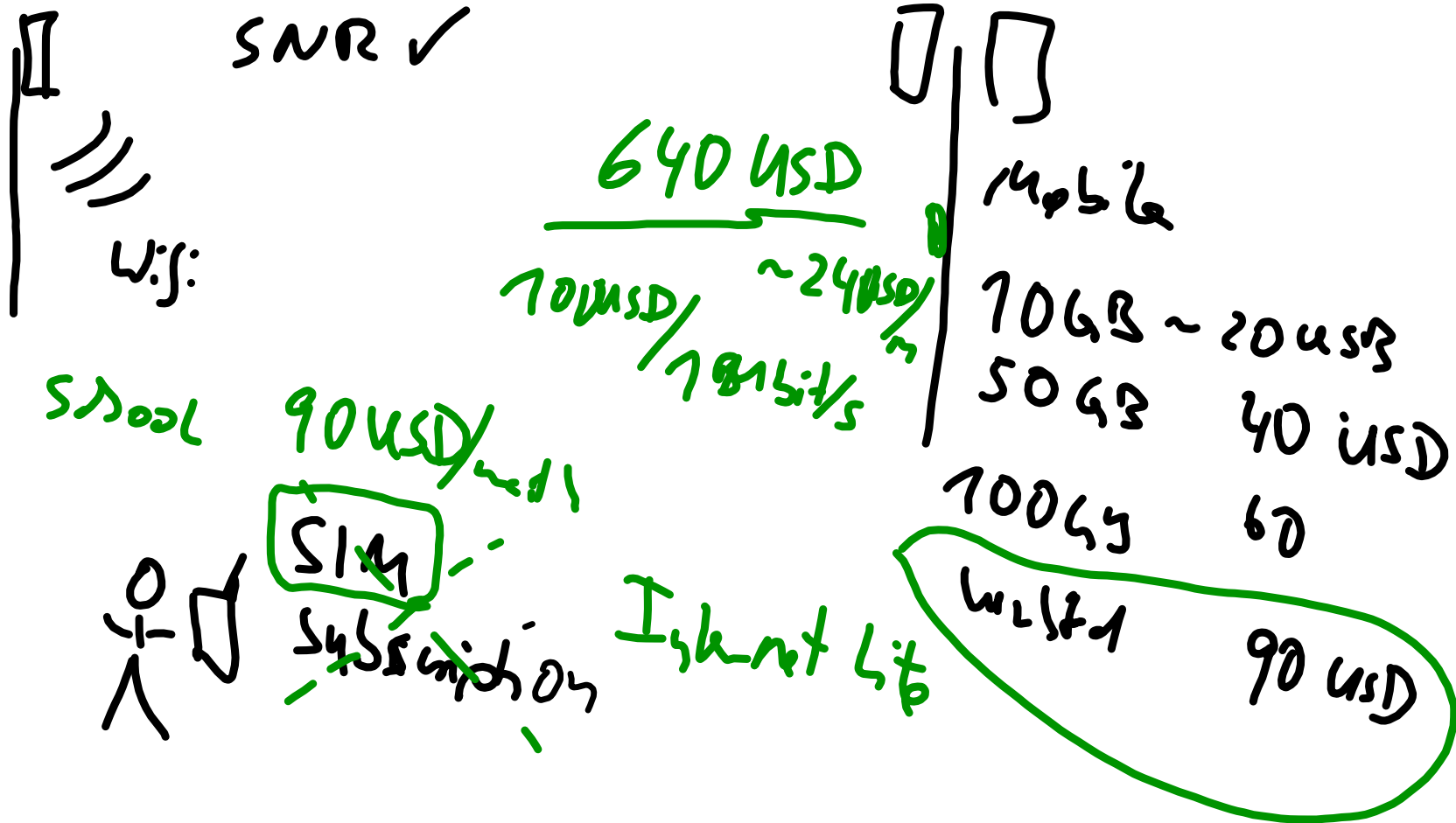
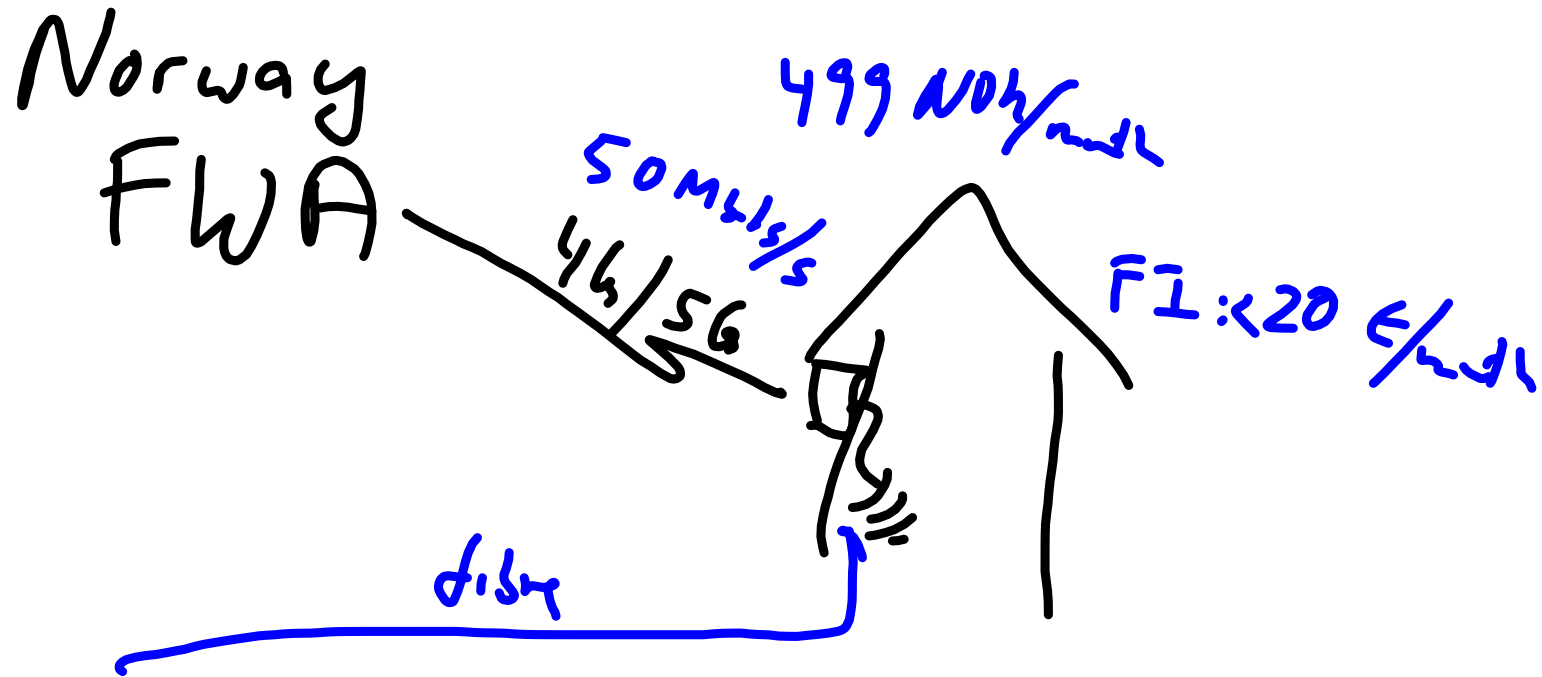






Ideas

1 Internet lib

2 4G/5G rural

3 Antenna/LAN
comm.

4 500 village area

Energy / Monitoring
Control

Air Quality

→ Antenna sensing

Antenna

$2.5 \times 10^{-6} \text{ m}$

$2.5 \times 10^{-4} \text{ cm}$

$\lambda = 2.5 \times 10^{-3} \text{ cm}$

$\lambda = \frac{30}{f}$

$f =$

$f = \frac{30}{\lambda}$

$\lambda = 2.5 \times 10^{-3}$
 $f = \frac{30}{2.5 \times 10^{-3}} = 12000 \text{ GHz}$

Ali Reza, ~~Mahmoud~~

CO₂ man
✓

Masboud
audio

MIT : CO₂ = Covid

↳ pers. sens. ← 65+, Asthmas

↳ overall infection ? FHLJ

↳ activity ?

Rex, Inaam $\rightarrow$ humidity, temp
RPI

Mahmud - PM, PM 2.5,

Sana ^{thermal}
5G mal/mention

Olli: vulnerability Basic
Internet

less Iridium WIN-WIN Basic Internet
energy consumption

Next steps
- State of
the art