

Ideas

- 1 Internet life
 - 2 4G/5G rural
 - 3 Antenna/LAN/comm.
- Ypoo village serv

Energy — Monitoring
 — Control

RPI

Air Quality

↳ Antenna sensing

Mohamed

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

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

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

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

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

$f = \frac{30}{2.5 \times 10^{-3}} = 12 \times 10^3 = 12000 \text{ GHz}$

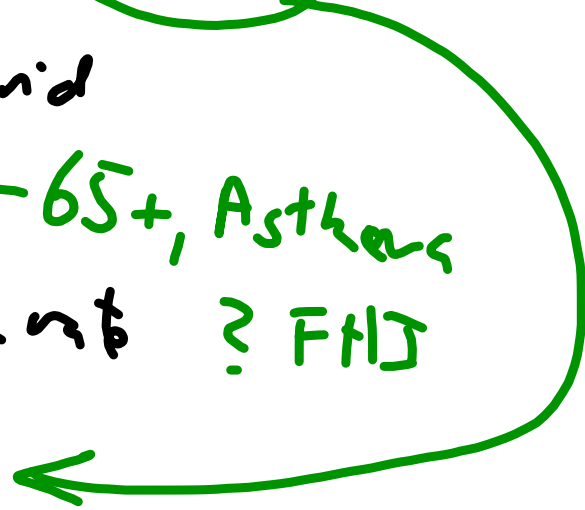
Ali Reza, ~~Mahmoud~~

CO₂ man
↓

Masboud
audio

MIT : CO₂ = Covid

- ↳ pers. sens. ← 65+, Asthmas
- ↳ overall infection ? FHJ
- ↳ activity ?



Rex, Inaam \rightarrow humidity, temp
RPI

Mahmud - PM₁₀, PM_{2.5},

Sana ^{thermal}
5G mal/motion

Olli vulnerability Basic Internet

Lars Erik

Energy

WIN-WIN
consumption

Basic Internet

Next steps
- State of
the art