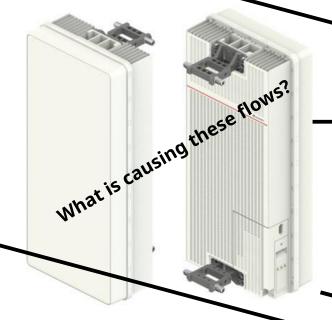
FLOWS

What kind of flows do you see?



Huawei Active Antenna Unit (AAU) 5613

Technical standard	3GPP Release 15
Frequency Band	3400Mhz - 3800Mhz
TX RX channel	64T64R
Polarization	+45°, '-45°
Gain (dBi)	24

What are their functions?

Who is managing these flows

and for what purposes?

What protocols and frequencies are used and who allows it?

Who has access to the data?

VISIBILITY How one of straining communications of sold communications of the sold comm How would you show them on a map? Can you find out more?

# Resources

Smartphone apps:

Google



\* WiFi Analyzer

\* Architecture of Radio

oogle



Apple



## **Current Dutch frequency map:**

https://www.rdi.nl/binaries/rdi/documenten/brochures/2017/juli/21/overzicht-van-het-nederlandse-frequentiespectrum/Poster+het+Nederlandse+frequentiespectrum+2024.pdf



Websites:



https://data.groningen.nl/



#### \* Antennekaart

https://antennekaart.nl/



## \* Antenneregister

https://antenneregister.nl/

# **Infrastructure Walk**

The Infrastructure Walk is brought to you by the **critical infrastructure lab** for the Data in Society source (University of Groningen). We research power and contestation in communication infrastructures. One way of doing this is mapping how the electro-magnetic spectrum is utilised, and asking critical questions such as...

"How is the shaping and usage of the electro-magnetic spectrum, through material technologies, companies, states, and regulations, changing society and everyday life?"

The **critical infrastructure lab** aims to co-develop alternative infrastructural futures that center people and planet over capital and control. We produce research insights, policy recommendations, and build community around three overlapping areas: geopolitics — standards — environment.

4G → 800 + 2600 MHz
5G → 700 MHz 3500 MHz
C2000 → 380 MHz
DECT → 1880-1900 MHz
GSM → 880-960
1710-1780
1805-1875 MHz
WiFi → 2412-2472 MHz
5180-5320 / 5500-5700 MHz
Bluetooth → 2402-2480 MHz

More information about the lab: https://criticalinfralab.net/

