

A Quick Visit to the Wireless World with Software Defined Radios

vinicius wagner '21

the plan

explore different RF bands.
What can we find there?
Who's speaking/listening?

interface?





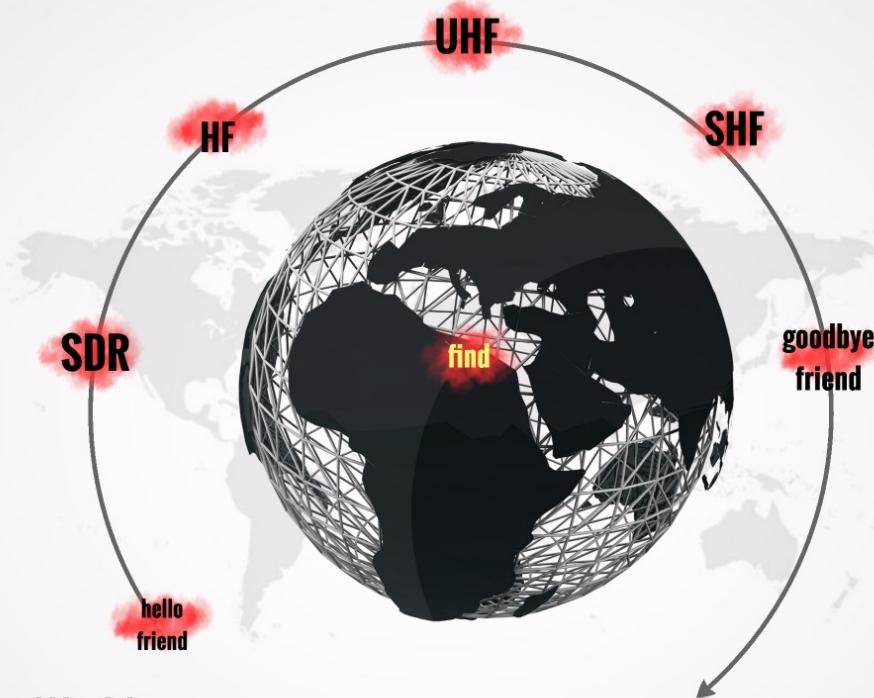
**The open air is
(un)surprisingly open.**

the plan

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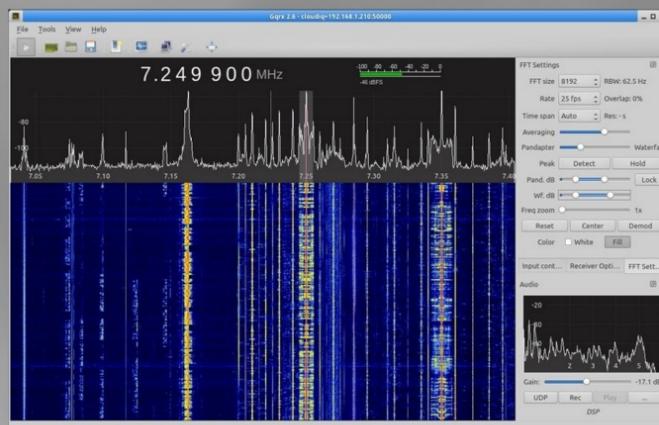
Software Defined Radios



HAM Set-up



?



GQRX

FCC.io

What?

A simple search and URL shortener for FCC ID queries.

Try it here:
FCC ID: Search

Why?

I can never find the search form on the FCC site, so fcc.io should be easy enough to remember. Fcc.io provides a way to share FCC ID searches with other people via links, email, IRC or IM.

How?

The URL scheme is simple:

- <https://fcc.io/NPI>
- <https://fcc.io/NPI71646>
- <https://fcc.io/grantee/logo>

To Do

Other search suggestions?

Email to dominics@emal.com

Disclaimer

Neither this site, nor its author, are affiliated with the FCC in any way.

Running on GitHub pages

fcc.io



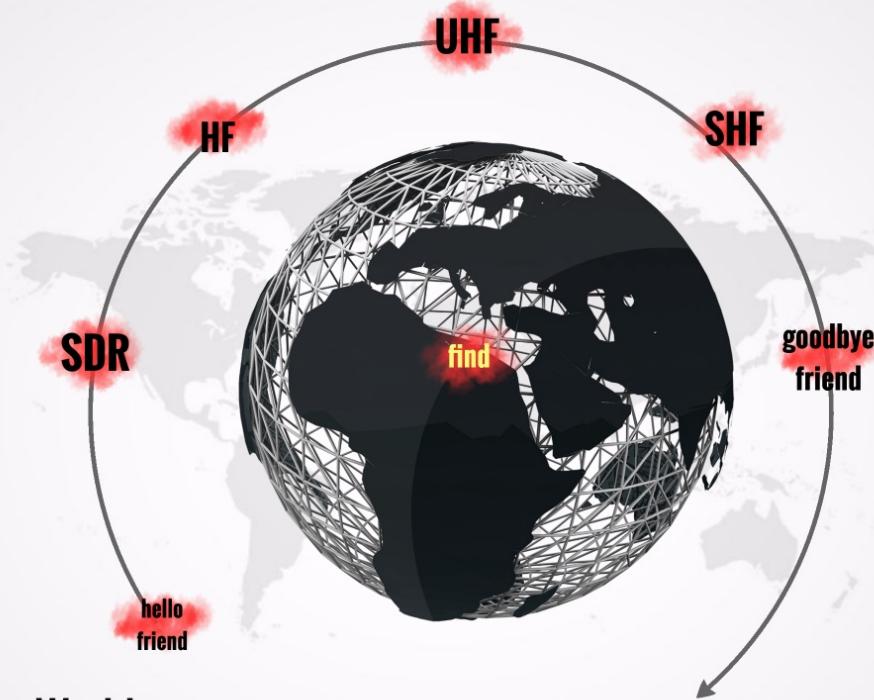
Software Defined Radios



HAM Set-up

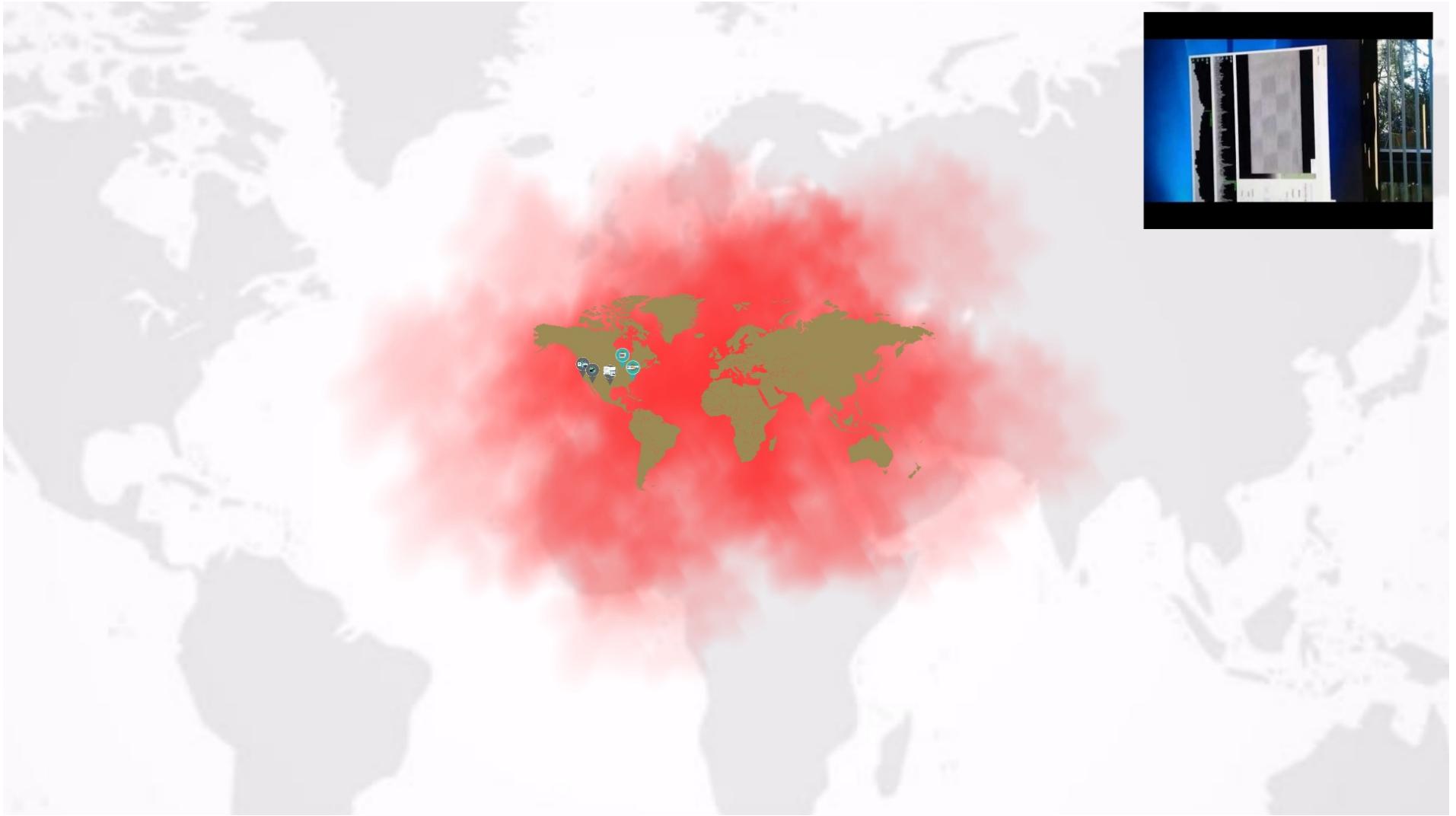


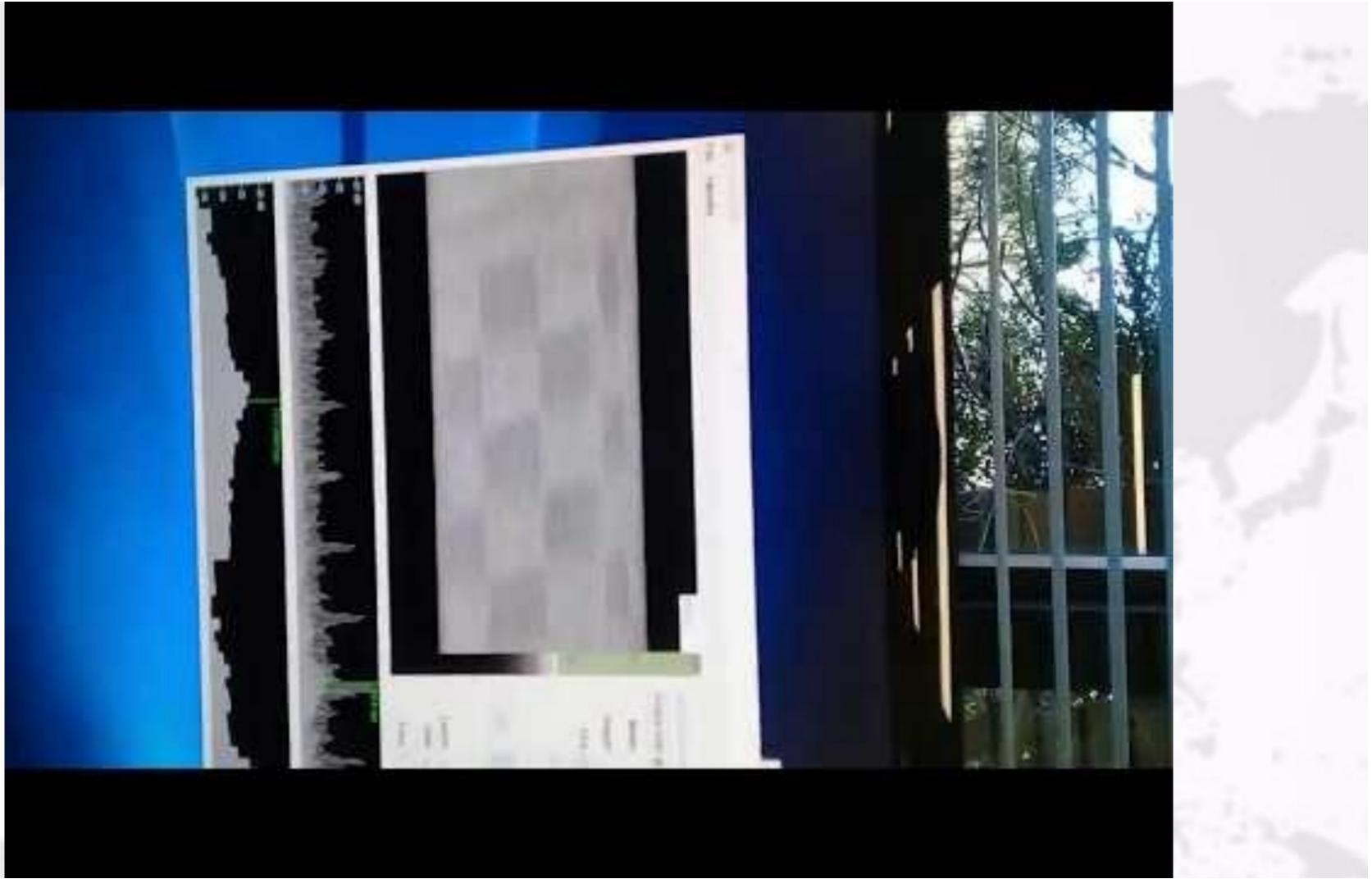
?

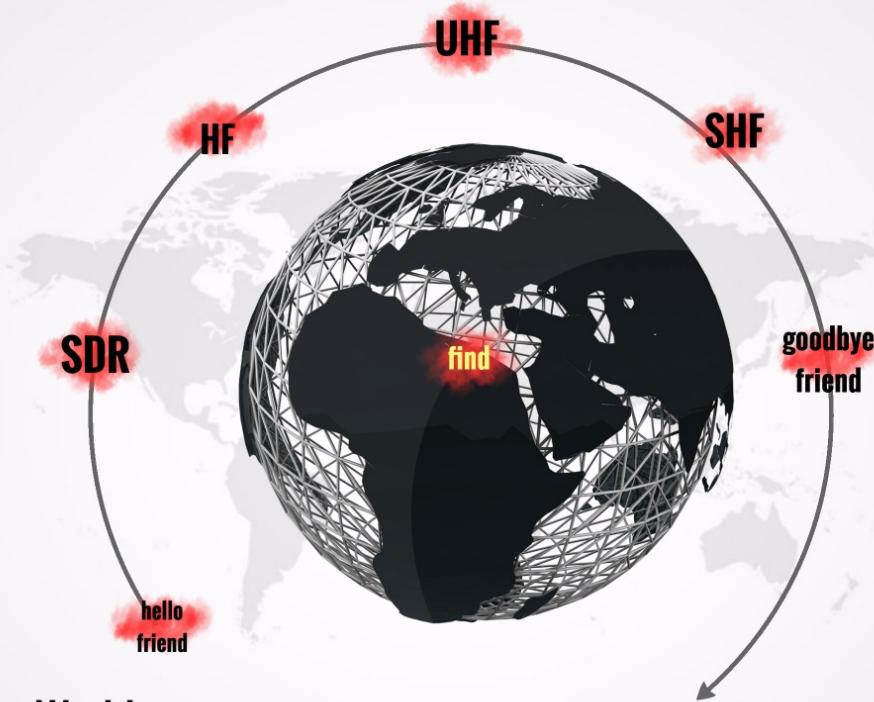


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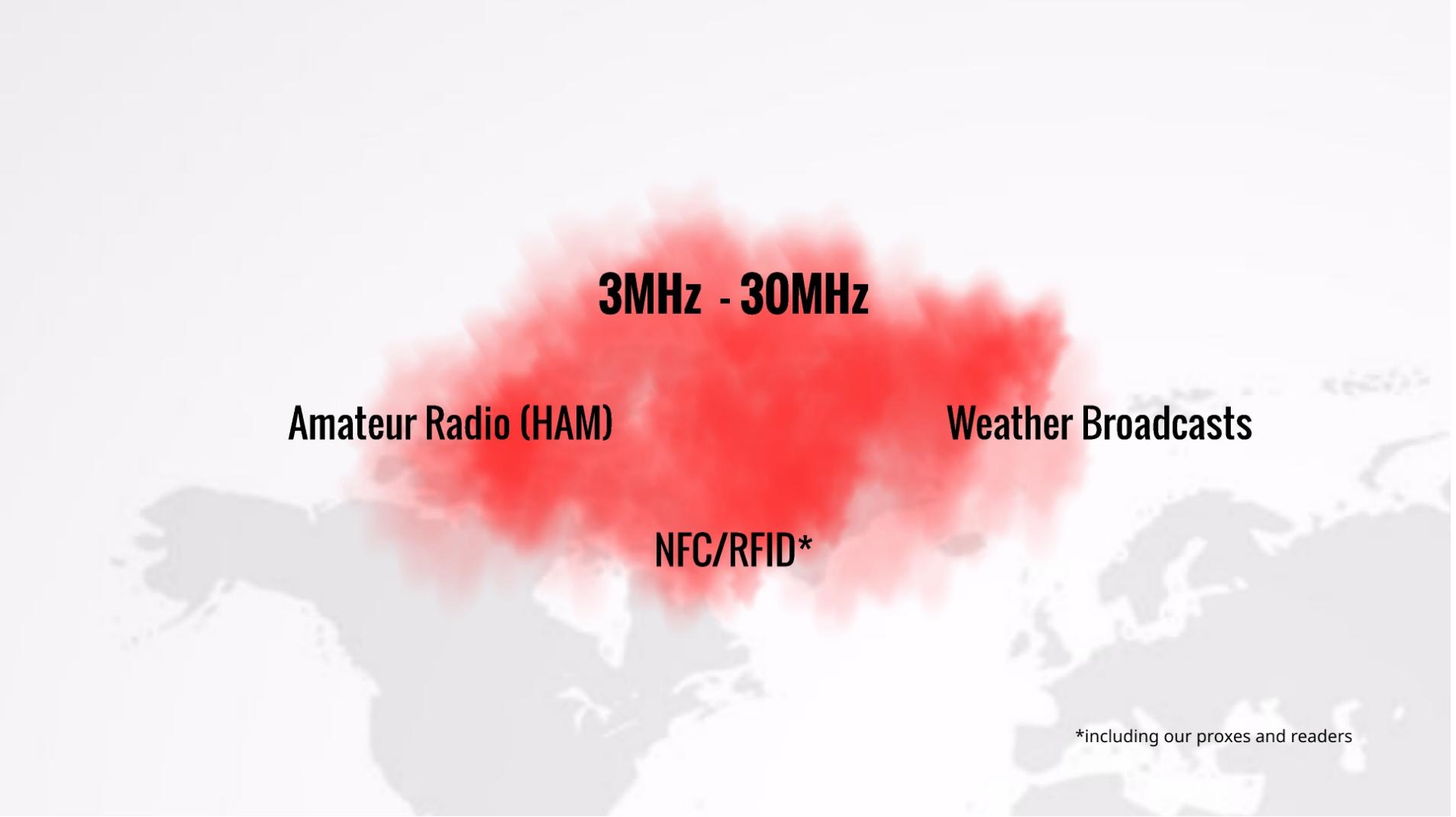






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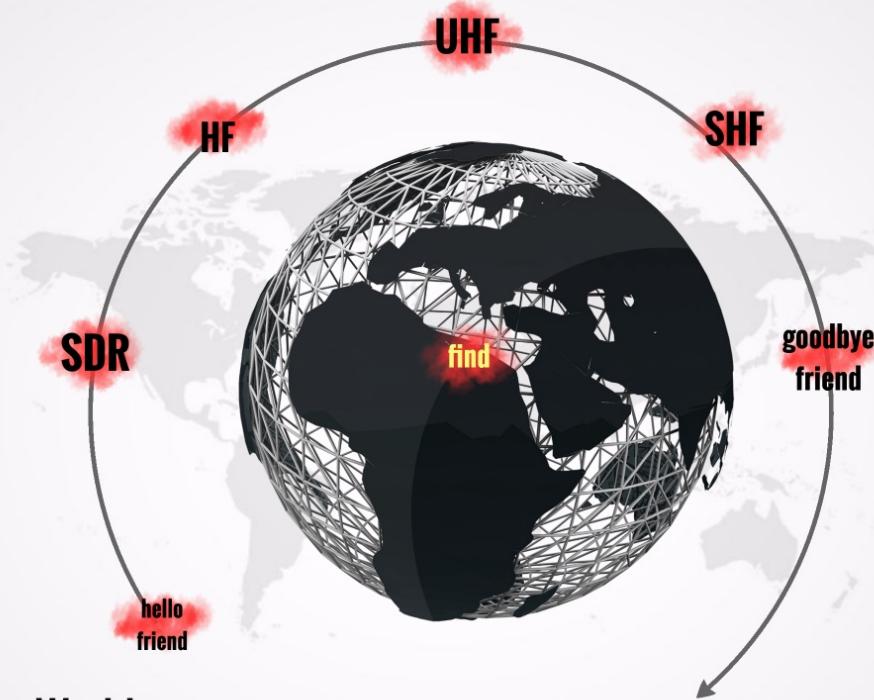
3MHz - 30MHz

Amateur Radio (HAM)

Weather Broadcasts

NFC/RFID*

*including our proxes and readers



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300MHz - 3GHz

Wi-Fi (2.4GHz)

Bluetooth

4G

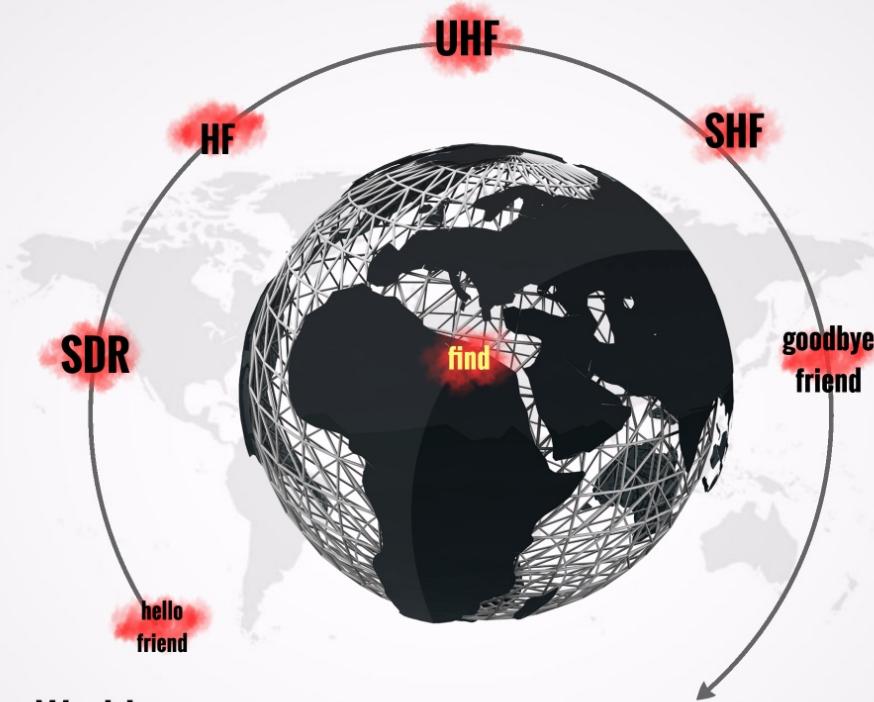
Key fobs

GPS

ADS-B*

...

*broadcasting technology that many aircraft use to communicate location with other aircraft



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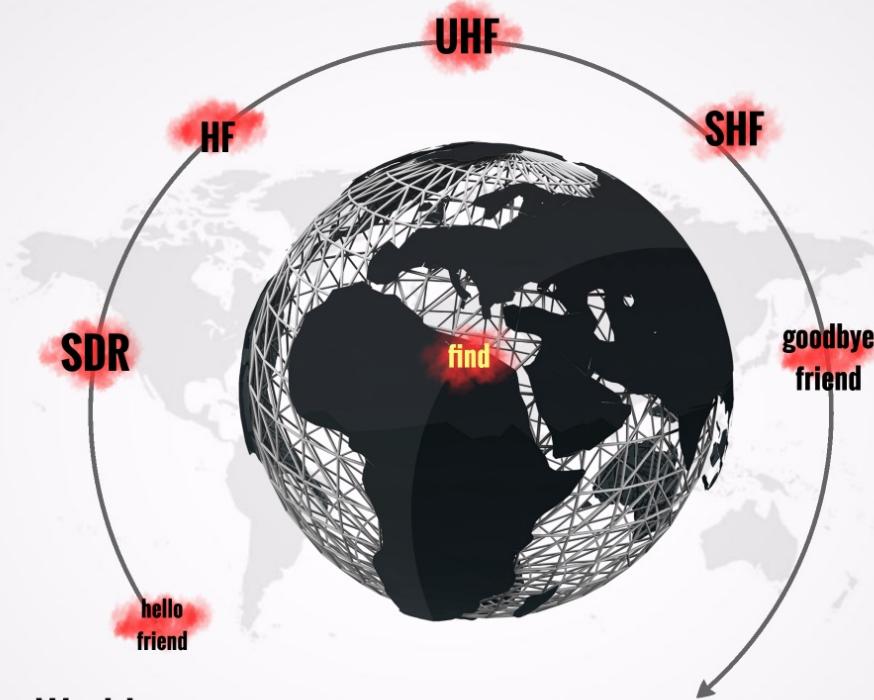
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3GHz - 30GHz (30GHz -> 300Ghz, EHF)

5GHz Wi-Fi
Radio Astronomy
Satellite Comms

5G



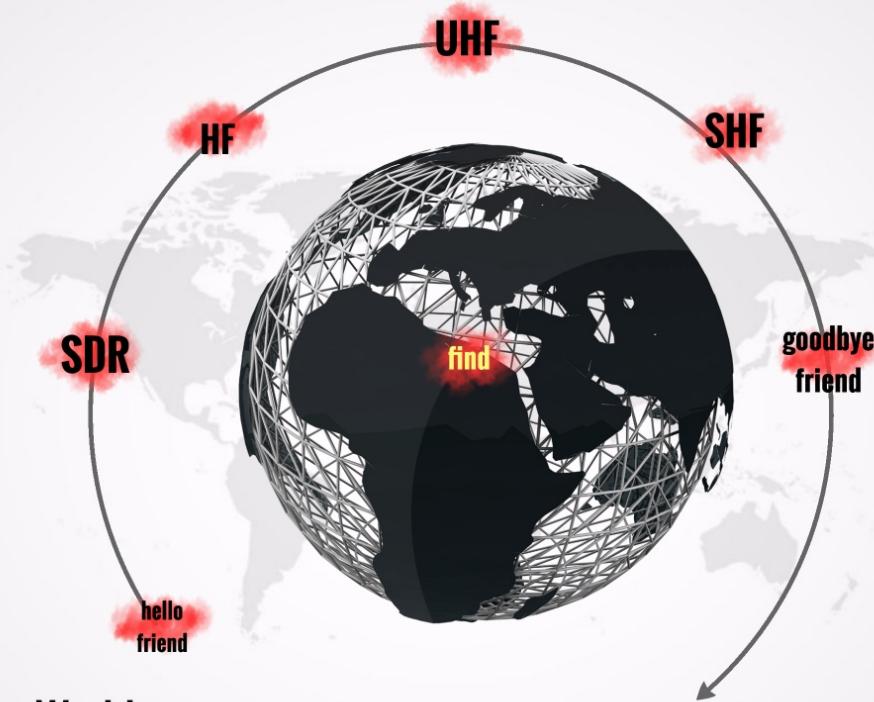
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Any questions?*

(*disclaimer: am novice)

<https://wirelessvillage.ninja/>



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