



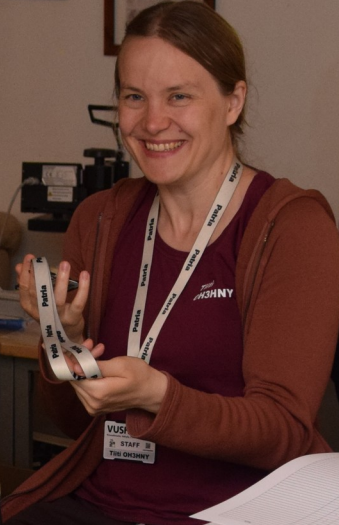
**Kristalliranta, Säkyä
FINLAND**

VUSHF2022

**LOCATOR:
KP10EW / KP10FW**



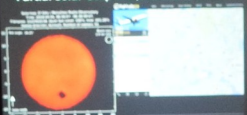
Lottery tickets 2 €
Meeting T-Shirt 10 €
Customization 5 €







"Partial solar eclipse" (5.4.2018)



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NLDC
NIXU

LoRa APRS What is LoRa?

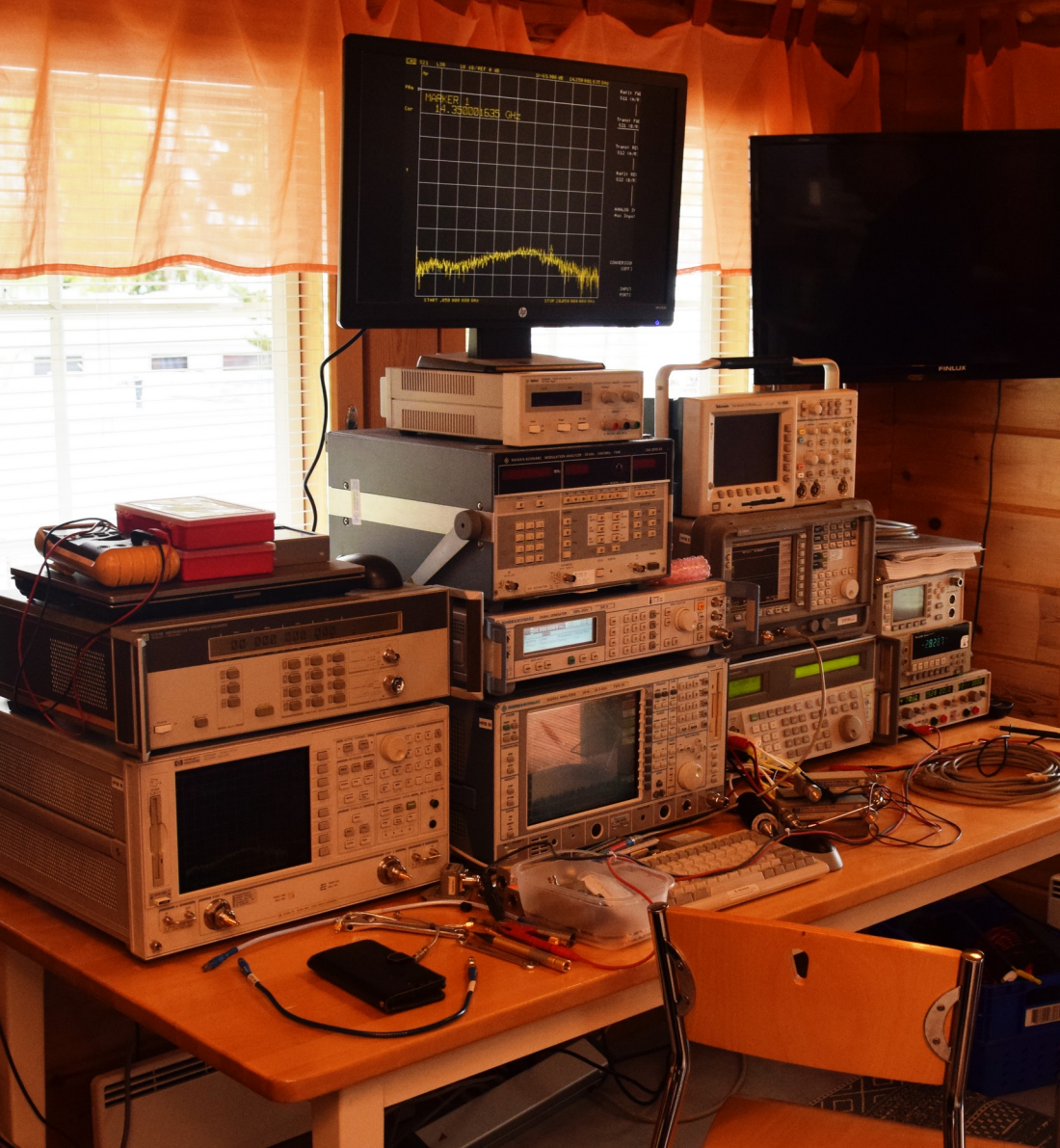
- Data mode technology for sub-gigahertz bands (433 and 868 in Europe)
- Configurable connection parameters and bandwidth, gives different data rates
- Uses proprietary spread-spectrum modulation, similar to chirp spread spectrum modulation
- NOT the same as LORAN (the WW2-era radio navigation system)
- Based on ESP32 hardware (Lilygo TTGO T-BEAM etc)[1]
- Dedicated igate and tracker software, can be run on same hardware [2][3][4]
- Open source, code available on GitHub
- Easily compilable with Visual Studio Code and PlatformIO
- Single text-based configuration file

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Sakyla, Finland - KP10ENFW



VUSHF2022
Kristalliranta, Säkyli, Finland 26.-29.5.2022
Lottery tickets
from reception







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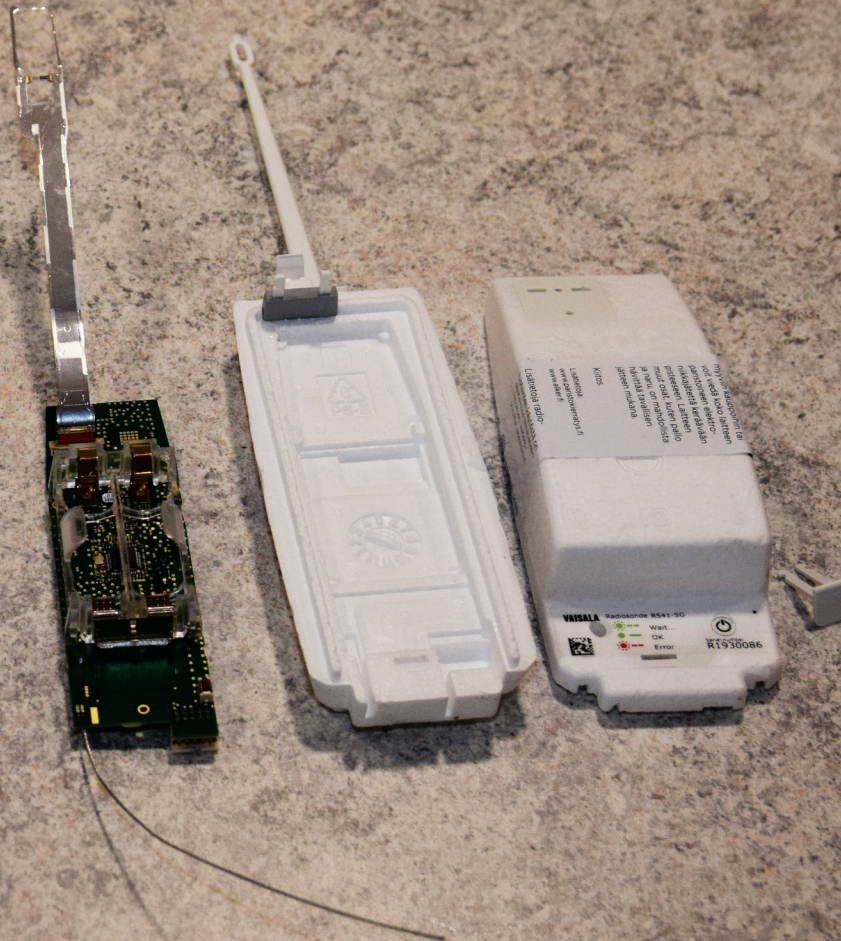
Kristalliranta, Säkylä, Finland 26.-29.5.2022

Alternative firmware for
Vaisala RS41
radiosonde available at:



SCAN ME!

<https://github.com/mikaelnousiainen/RS41ng>

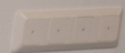




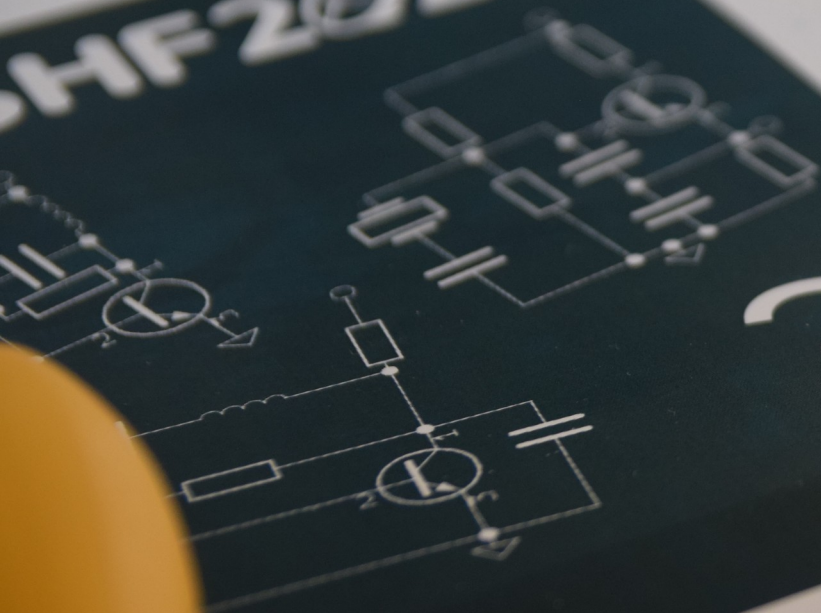








HF2022



2



$$\begin{aligned} f &= \frac{1}{2\pi RC} \\ f &= \frac{1}{2\pi \cdot 10k \cdot 10n} \\ f &= 1.59kHz \end{aligned}$$

$$2.8\mu H \quad 77kHz$$

$$\begin{aligned} R &= 30k\Omega \\ C &= 1nF \rightarrow 5.3 \end{aligned}$$

Team
LA



not stable
- 15 MHz mounted

Team

OZ



154,3 MHz

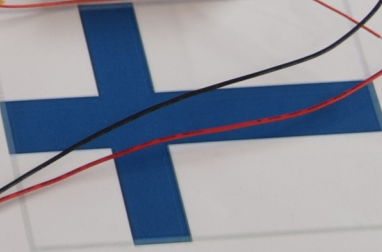
Team
SM



550 kHz

Team

OH



1,042 MHz



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<https://rats.fi/vushf2022/>