

# Radioaficionados

Edición Digital

UNIÓN DE RADIOAFICIONADOS ESPAÑOLES - Octubre 2021



**EXPERIMENTACIÓN Y CACHARREO**  
**SWR-VATÍMETRO HF QRP**  
¿POR QUÉ NO CONSTRUIR UNO  
EN MENOS DE UNA HORA?



## NUEVAS TECNOLOGÍAS

DIY Meshstastic:  
construye tu propia  
placa electrónica

## TÉCNICA

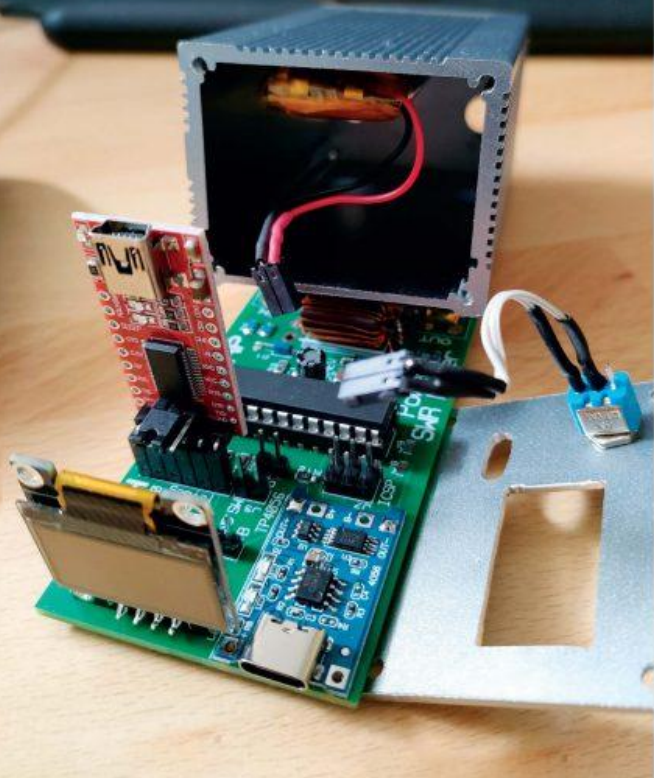
Estudio sobre bobinas  
con núcleo anular

## CACHARREO

SWR-vatímetro HF QRP

## V-U-SHF

Activaciones 144 EME  
portable (I)



# QEX

A Forum for  
Communications Experimenters

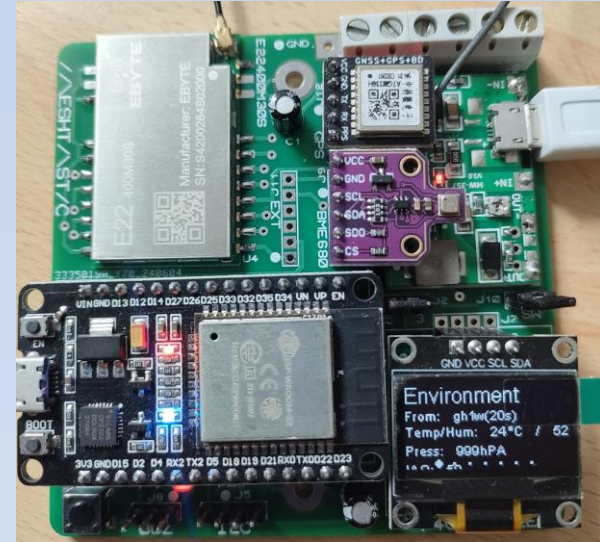
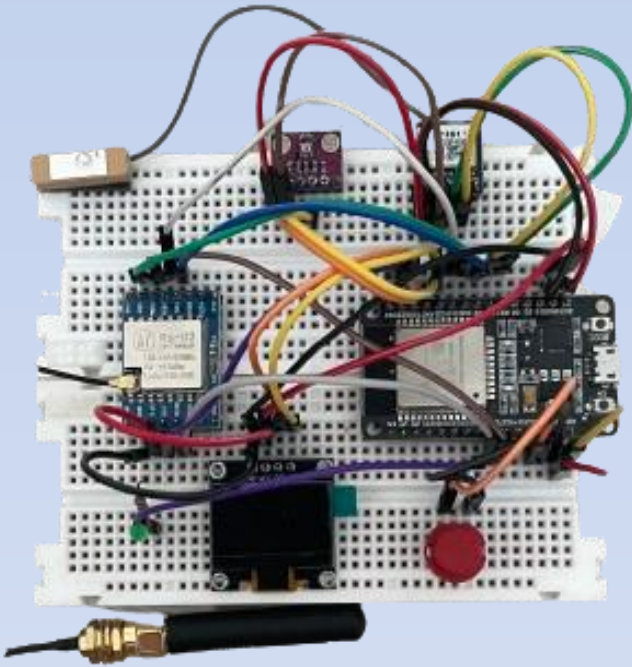
May / June 2024  
Issue No. 344 | www.arrl.org




F4GOH/KF4GOH sends SSTV images  
from a low-cost sounding balloon transmitter.


Anthony LE CREN, F4GOH – KF4GOH

# Meshtastic



f4kmn 

Tous Images Vidéos Produits Actualités

 No-IP  
<https://touchardinforeseau.servehttp.com> › f4kmn

**Ent F4KMN**

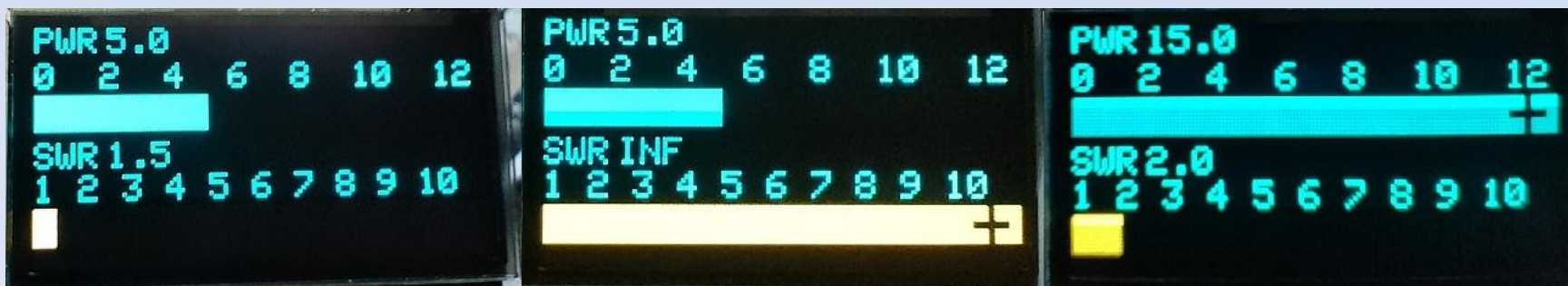
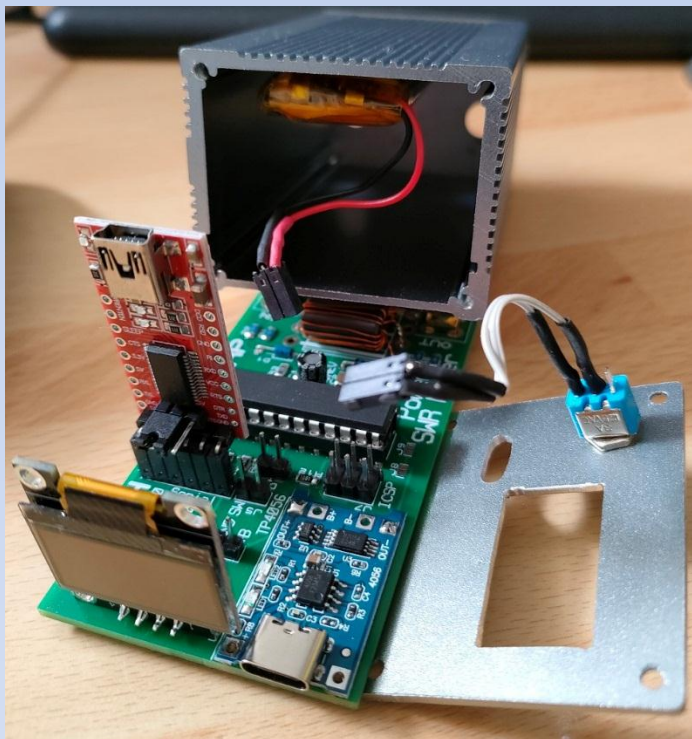
Français

- Débutant
- Avancé
- Projets
  - Meshtastic
    - Radio-REF g88 du 07-2024.pdf (02/09/2024)
    - Radio-REF g89 du 09-2024.pdf (02/09/2024)

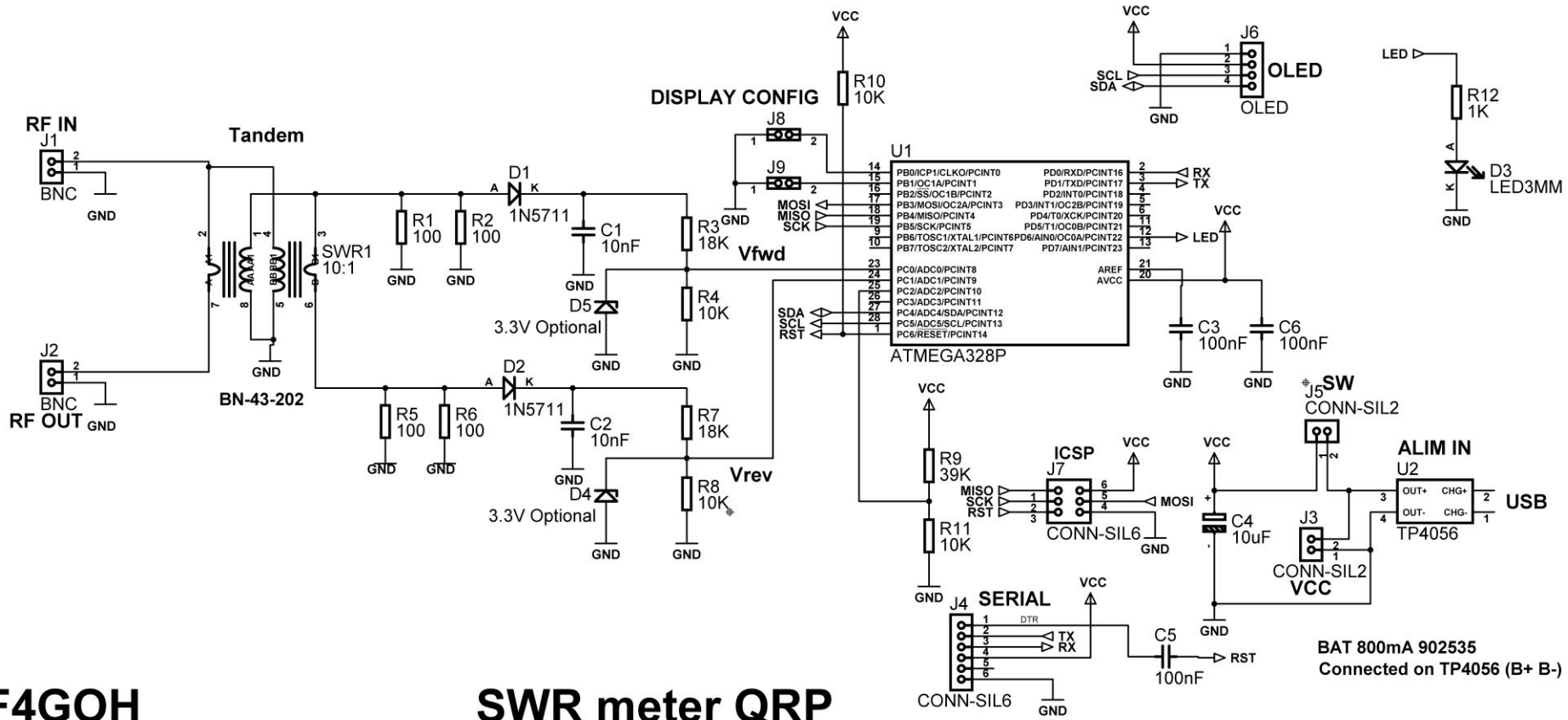


# SWR-Wattmètre HF QRP

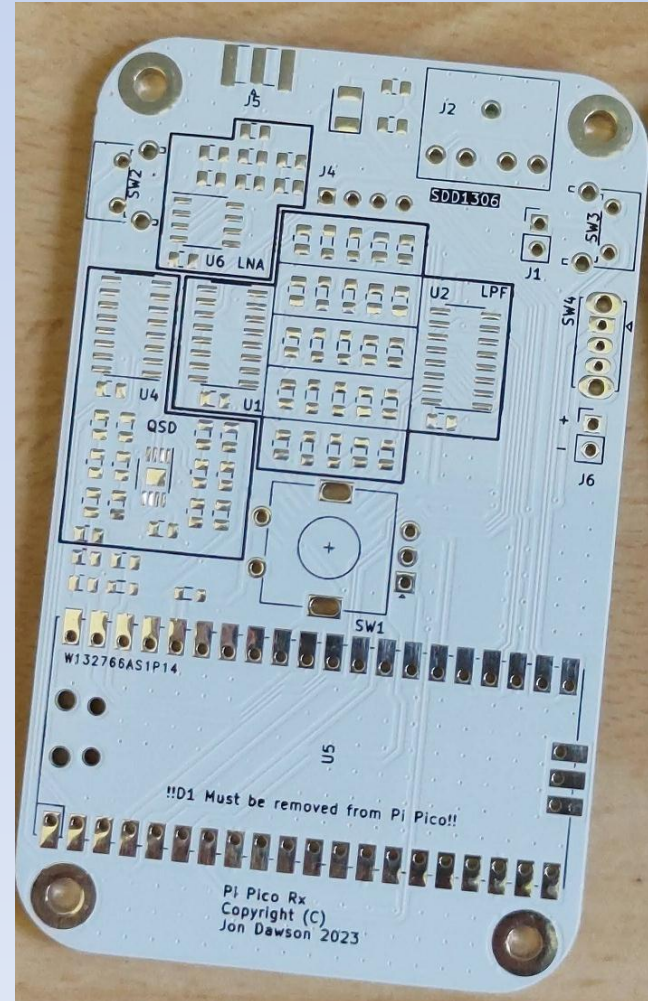
- 12 Watts max ;
- Microcontrôleur ATMEGA328p ;
- Coupleur tandem avec BN-43-202 ;
- Ecran Oled SSD1306 ;
- Affichage type bargraphe par F5BEG ;
- Connecteur série pour mise à jour avec module FTDI232 ;
- BMS (système de gestion de la batterie) ;
- Batterie 902535 800mA 3.7V.



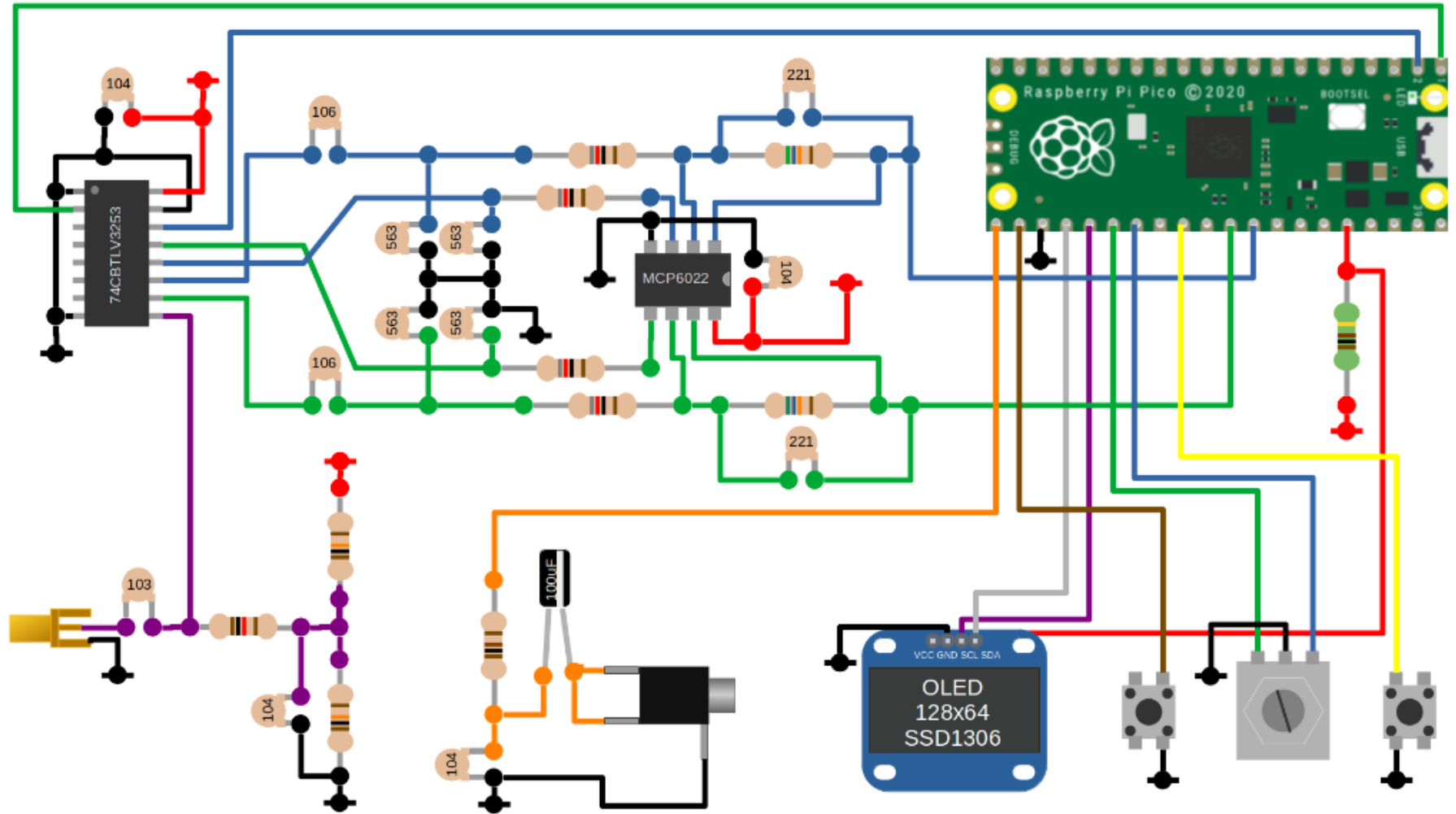
REF/RADcom/Radioaficionados/CQ-QSO



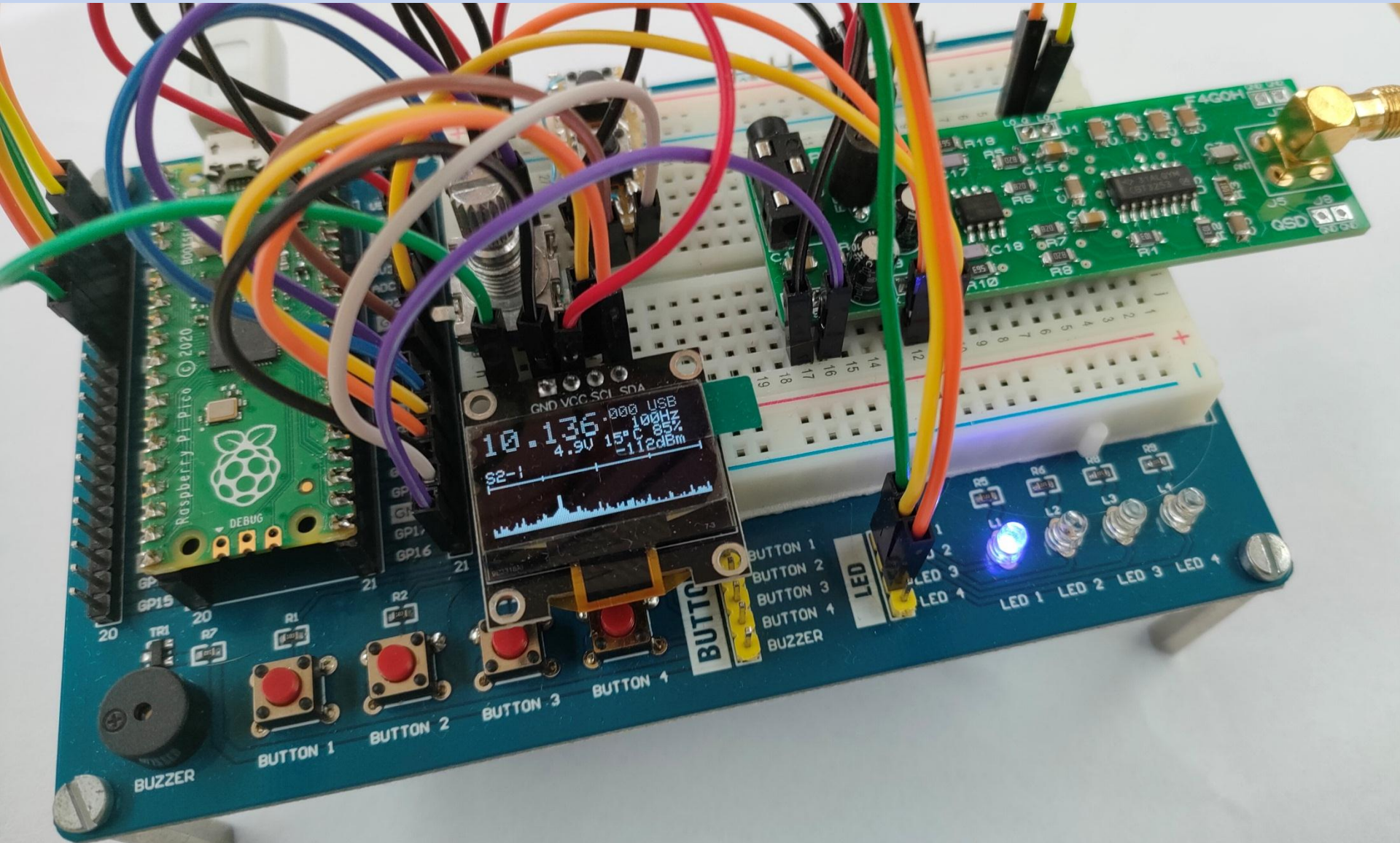
# Récepteur HF



# The Design Walkthrough

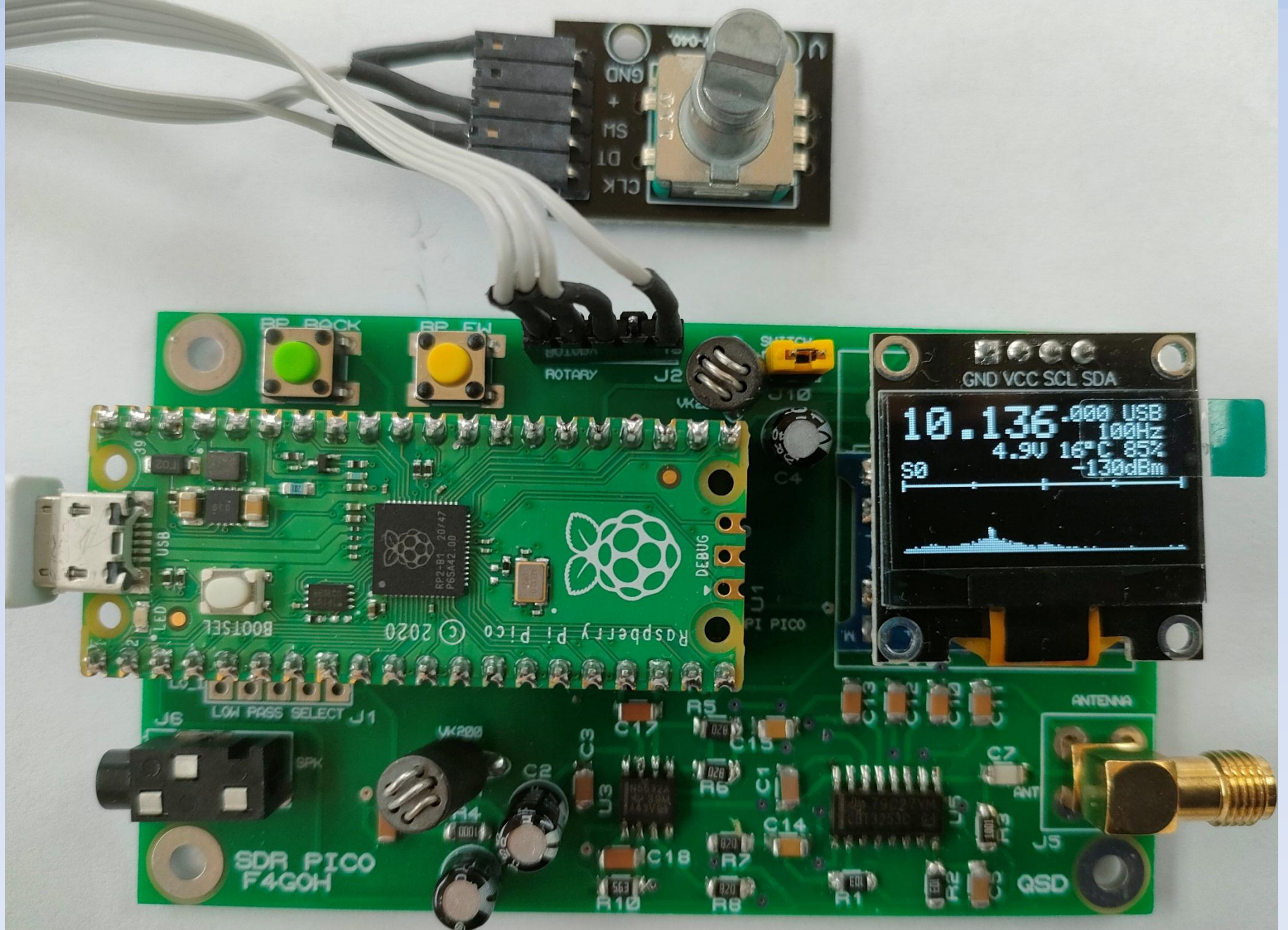






<https://github.com/f4goh/SDR-PICO>





REF/Radioaficionados/CQ-QSO

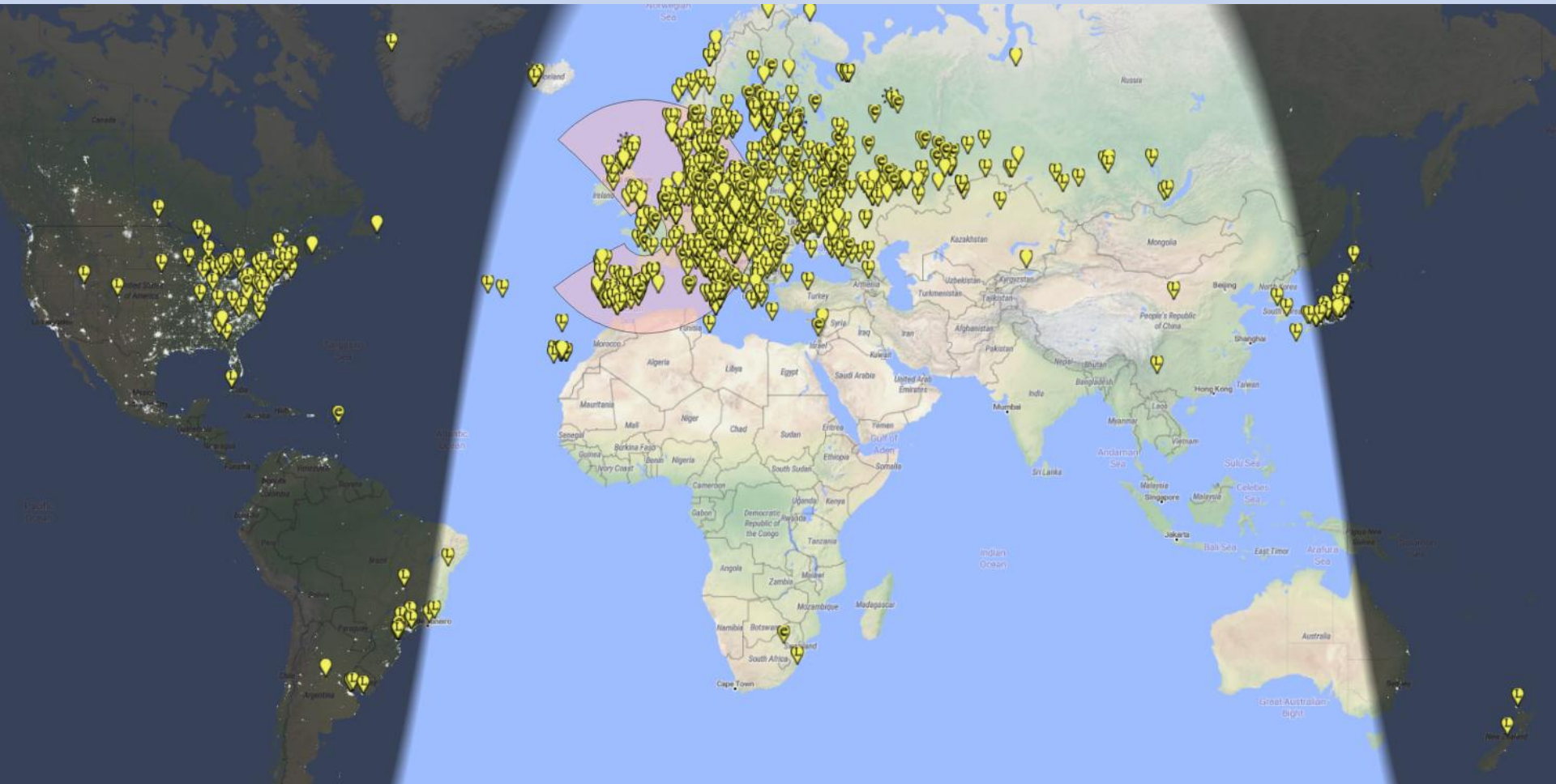


# Tests en FT8

The image displays the WSJT-X software interface. At the top is a wide graph showing signal activity over time. Below it is a control panel with various settings like 'Bins/pxel 2', 'Start 0 Hz', 'Split 2500 Hz', and 'N Avg 5'. The main window is divided into two panes. The left pane shows a 'Band Activity' table with columns for UTC, dB, DT, Freq, and Message. The right pane shows an 'Rx Frequency' table with columns for UTC, dB, DT, Freq, and Message. Below these tables are control buttons like 'CQ only', 'Log QSO', 'Stop', 'Monitor', 'Erase', 'Decode', 'Enable Tx', 'Halt Tx', 'Tune', and 'Menus'. The bottom left shows a frequency display of 14.074 000, a signal strength indicator, and a date/time display of 2024 Sep 27 15:17:26. The bottom right shows a list of messages and a power control knob. On the right side of the interface is a detailed circuit board diagram with various components labeled, including resistors (R1, R2, R3, R5, R6, R7, R8, R10, R18), capacitors (C1, C2, C3, C4, C5, C7, C14, C15, C17, C18), and connectors (J1, J2, J5, J6, J7, J8). The diagram also shows a QSD component and an ANT connector.

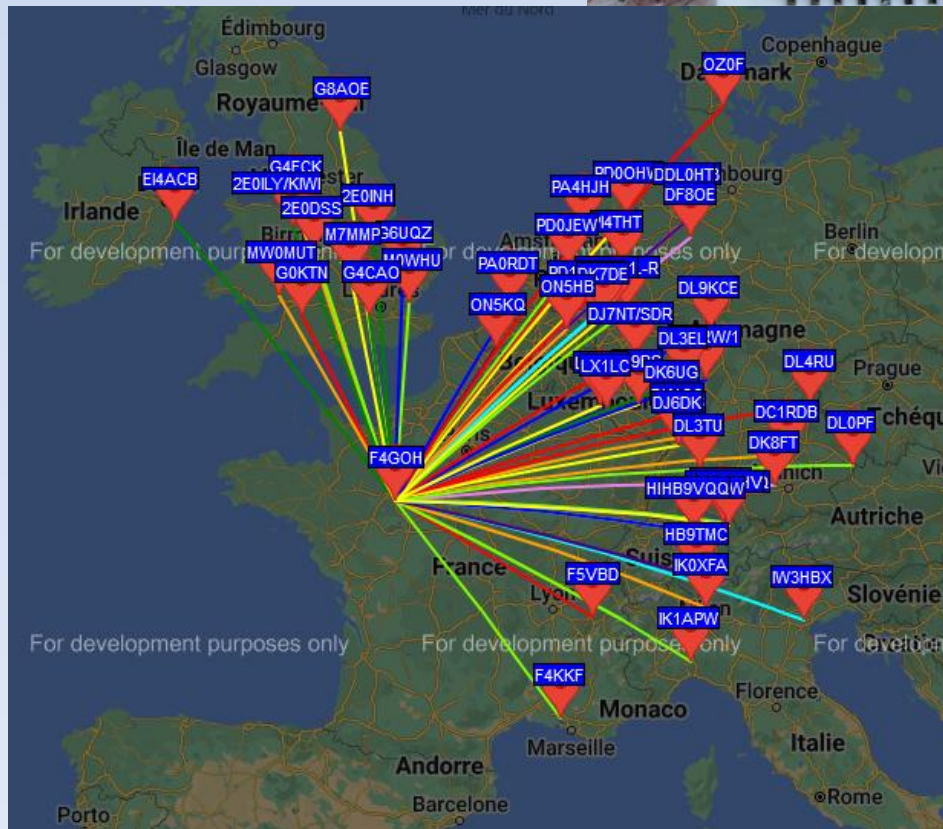
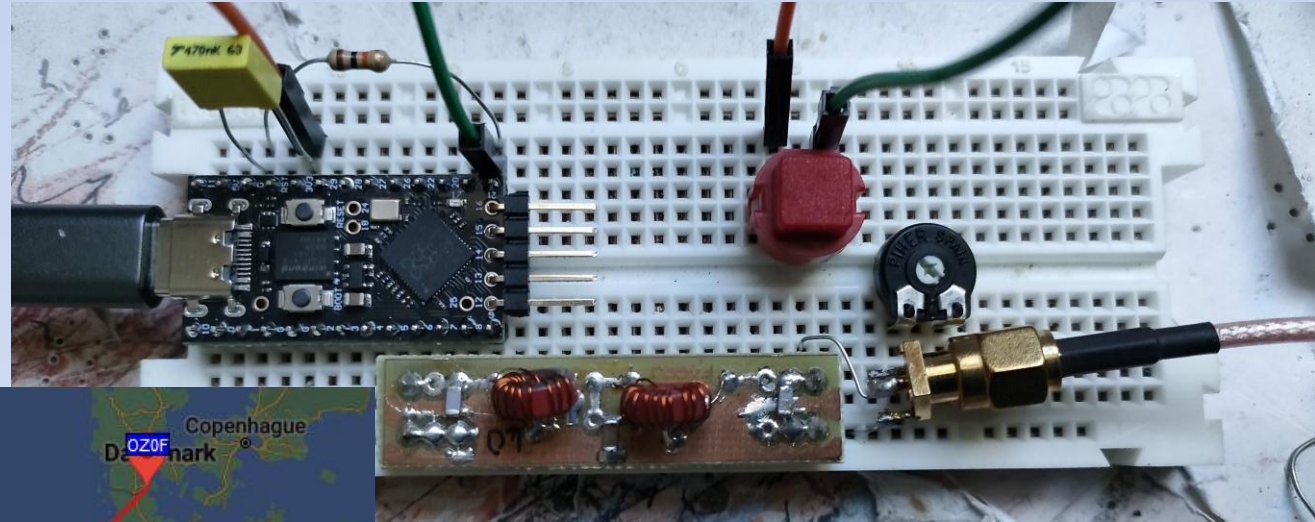
Band Activity					Rx Frequency				
UTC	dB	DT	Freq	Message	UTC	dB	DT	Freq	Message
151700	-1	0.1	1233	CQ OZ9FF U075	151545	-3	0.1	350	OK2FDH EA4CUO IM68
151700	12	0.0	1654	CT7ANO SP3AMZ RR73	151615	6	0.1	350	OK2FDH EA4CUO IM68
151700	8	-0.1	2070	RZ6L RA3LCX -10					
151700	-8	0.1	2420	DL2QAM OH5KML RR73					
151700	-16	0.1	2535	JAIWEB RSFN KO95					
151700	-2	-0.2	1708	EA3IGC SP6OWA R-01					
151700	-15	-0.0	1109	CQ R7BL LNO6					
151700	-5	0.1	1892	CQ RA2FCF KO04					
151700	-11	-0.5	2004	FD8DRF OM7AMA -08					

# Tests en FT8 sur 17m





<https://github.com/Jochen-bit/pico-WSPR-tx>



# Pico-WSPR-tx



Câble console



ESP32  
WiFi

