GARS Favorite Websites and Phone Apps

September 12, 2023

K4CQO - Bob

What is WSPR

- The standard message is <callsign> + <4 character locator> + <dBm transmit power>
- Example “K1ABC FN20 37”
- is a signal from station K1ABC
- in Maidenhead grid cell “FN20”,
- sending 37 dBm, or about 5.0 W
- Standard message components after lossless compression:
- 28 bits for callsign,
- 15 bits for locator,
- 7 bits for power level,
- total: 50 bits.
- Occupied bandwidth is about 6 Hz

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- WSPR Desktop transmitter
- WSPR Desktop transmitter | ZachTek

- **Some quick features**

1. Standalone operation, PC required for configuration but not for operation
2. Output of 200 mW
3. Powered from microUSB supply
4. Comes with built-in GPS module and includes external GPS antenna
5. Use the PC configuration SW for set up (call sign & band choices), then can operate in standalone mode
6. Available in three models:
    4. Model 2190TO80 for bands 2190 m, 630 m, 160m and 80m
    5. Model 80TO10 for 80/40/30/20/17/15/12/10 meters
    6. Model 40TO6 for 40/30/20/17/15/12/10/6 meters

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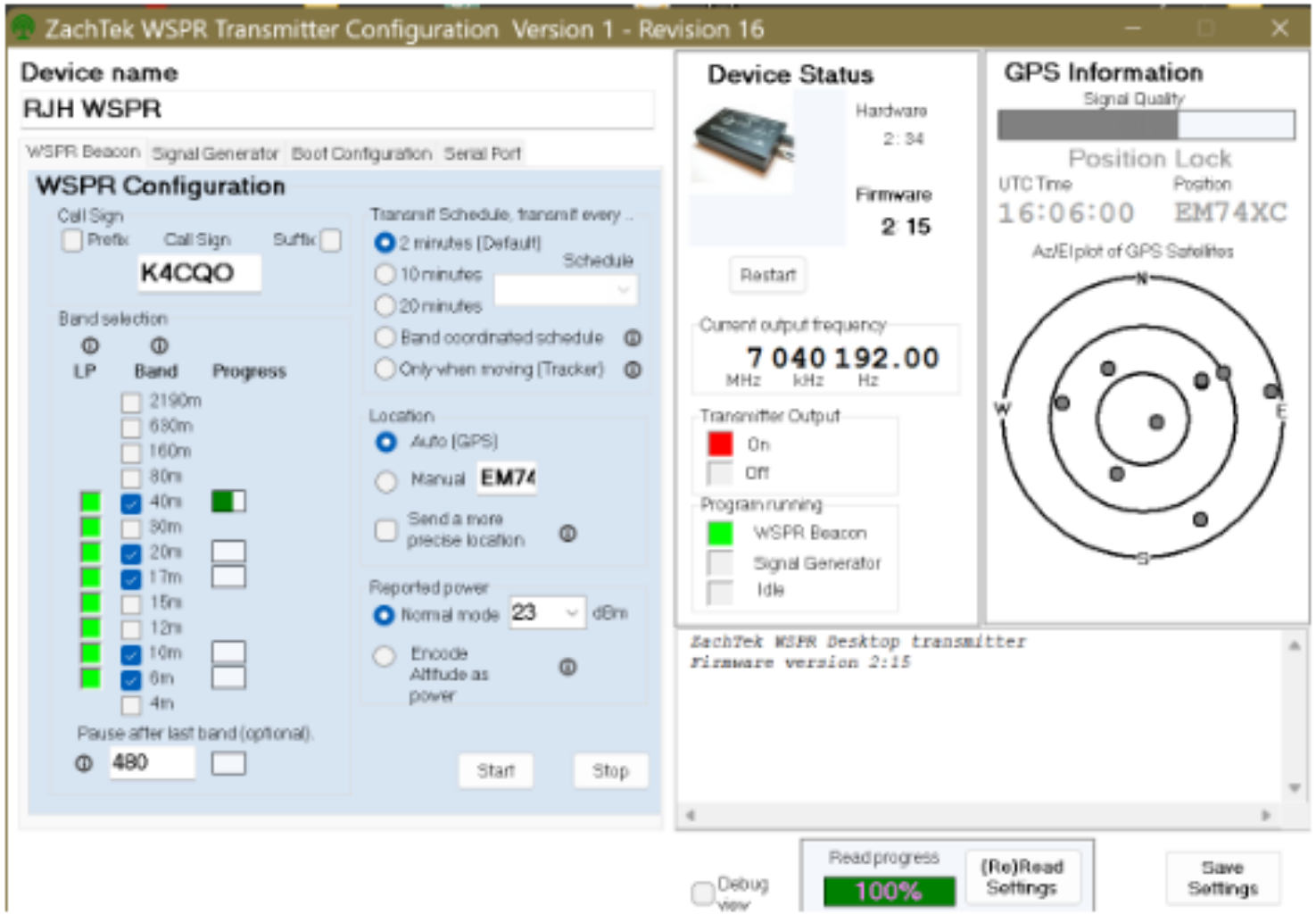
My configuration



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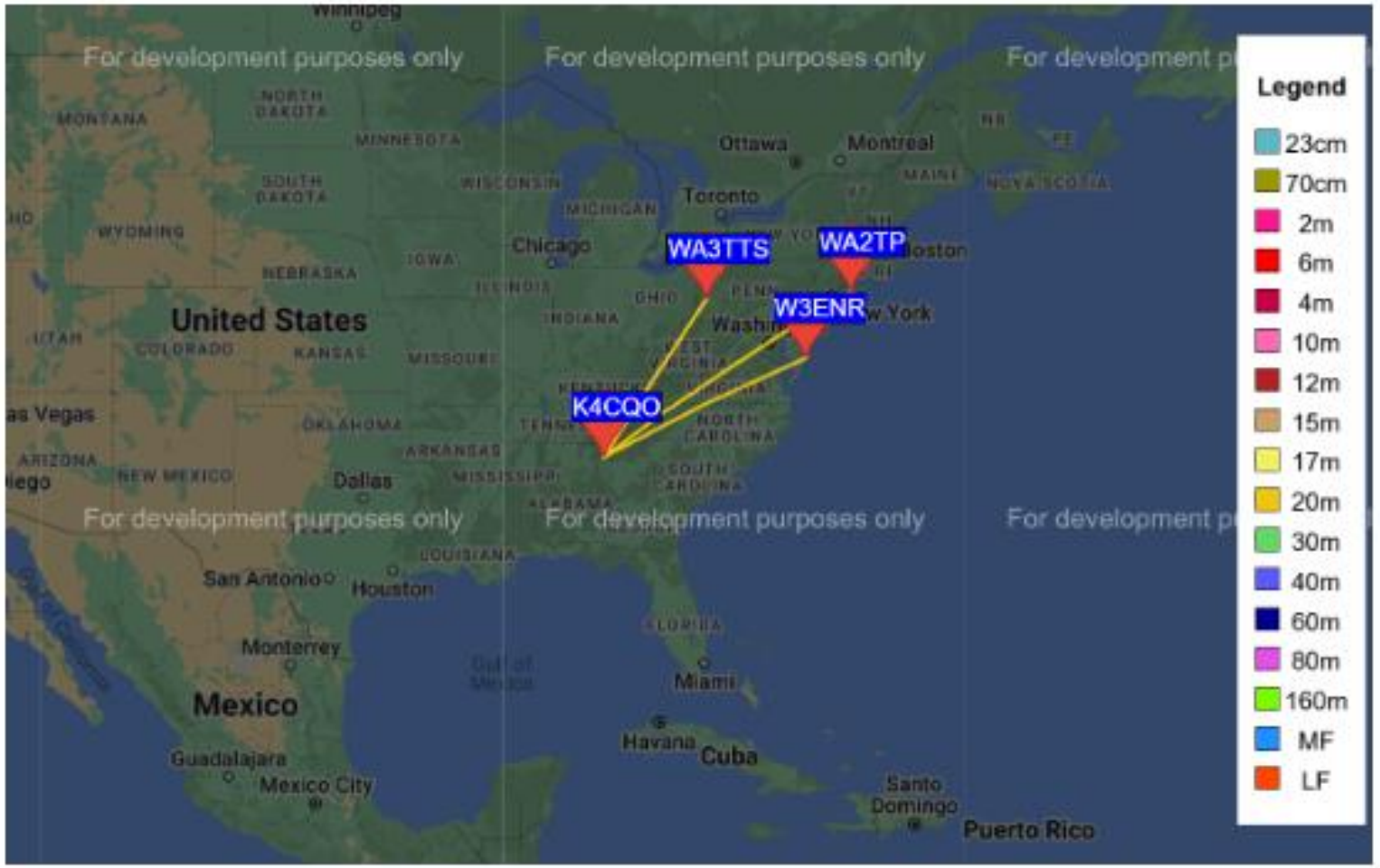
www.wsprnet.org/drupal/wsprnet/map

Sample maps

You need to be a registered WSPR member to view the maps (www.wsprnet.org/drupal/wsprnet/map).



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W3DJS - Dave

- HamPi, HamPC and HamIQ.
- https://linktr.ee/HAMPIW3DJS

WD4NET - Neil

- miklor.com (radio reviews)
- repeater-builder.com

WB2OGY - Steve

- https://timesmicrowave.com/ Has good information about coax specifications.
- https://educ.jmu.edu/~fawcetwd/archive/AndrewCatalog38.pdf The old Andrew catalog is preserved online and contains some great data on waveguide and cable.

KN2TOD - Mark

<https://rpilocator.com/>

Leads to these two excellent sources (Pi's, Arduinos, etc. Cases, fans, cables, etc. Displays, oh my! etc. etc. etc.):

<https://chicagodist.com/>
<https://www.pishop.us/>

(also: <https://www.pishop.ca/> up north somewhere)

A SHACK FOR A CAT! **<https://www.instructables.com/Cardboard-Geodesic-Dome/>**

W4LON - Fisher

- WXWARN: "heads up" NWS developing weather conditions: https://wxwarn.affirmatech.com/
- NWS (cell phone): https://mobile.weather.gov/#typeLocation
- NWS (Skywarn): https://www.weather.gov/skywarn/
- Gwinnett County ARES: Gwinnett ARES – Gwinnett Amateur Radio Emergency Service
- SouthEast / Georgia ARES:

https://georgia-ares-oldtopographer.hub.arcgis.com/apps/9695e774a1c64971b43bb89a8bae766e/explore

-POTA Spotter App: https://pota.app/#/

- WINLINK: Global radio email: https://www.winlink.org/
- VARA [HF/FM/ Sat/Chat) modem programs for Winlink: https://rosmodem.wordpress.com/
- VarC (HF): free real-time HF P2P chat app, use with Vara modem: https://www.varac-hamradio.com/
- Audacity: open source audio editor: https://www.audacityteam.org/

K4GTR - Kevin

- https://www.camras.nl/en/about-the-radio-telescope/
- https://www.kicad.org/download/windows/
- https://qrp-labs.com/qmx.html
- hamGPS app

Other entries

- KC4SR – Ken Solar Conditions and Ham Radio Propagation (w5mmw.net)
- WD4AMC – Bill HamStudy.org: Cutting edge amateur radio study tools
- W4KIB – Kevin https://sotl.as/map
- AK4AM – Alex VHF Propagation Map (dxview.org)
- W4KLY - Paul - Parks on the Air | POTA
- John - Welcome to the Radio Society of Great Britain - Portal (rsgb.org)