APRS: Gateway Services

APRS Gateway Services

- Send APRS messages on the national frequency, **144.390 MHz** in the US, using **AX.25 packet**
- In Southern California set your path to **WIDE2-2** (other wide paths will work but are not preferred)
- Your message must be received by an Internet-connected **Gateway** to be processed

APRS Gateway Services

- SMS
- WTSAPP
- SOTA
- EMAIL-2
- WXBOT
- WLNK-1

https://www.aprs-is.net/

APRS: SMS

- Replaces SMSGTE
- Recipients must "Opt In" at
  - aprs.wiki
- In PinPoint
  - Tools | Send SMS via Gateway (F4)
- Replies found under "Messages"

APRS: SMS
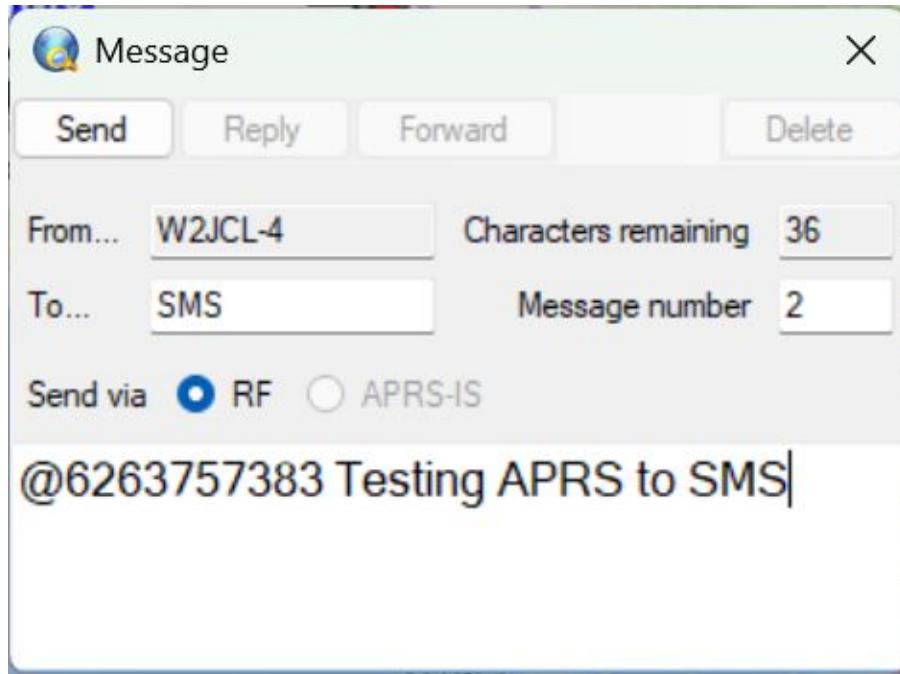
APRS: WTSAPP

- No need to Opt In
- Must use international prefix
- In PinPoint
  - Tools | Send Message (F6)
  - Address to "WTSAPP"
- Replies found under "Messages"

APRS: WTSAPP
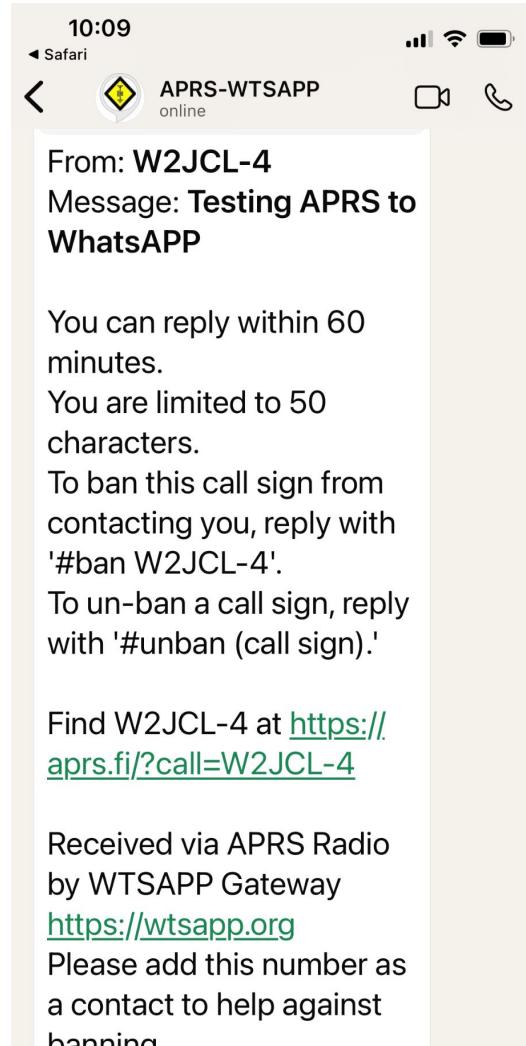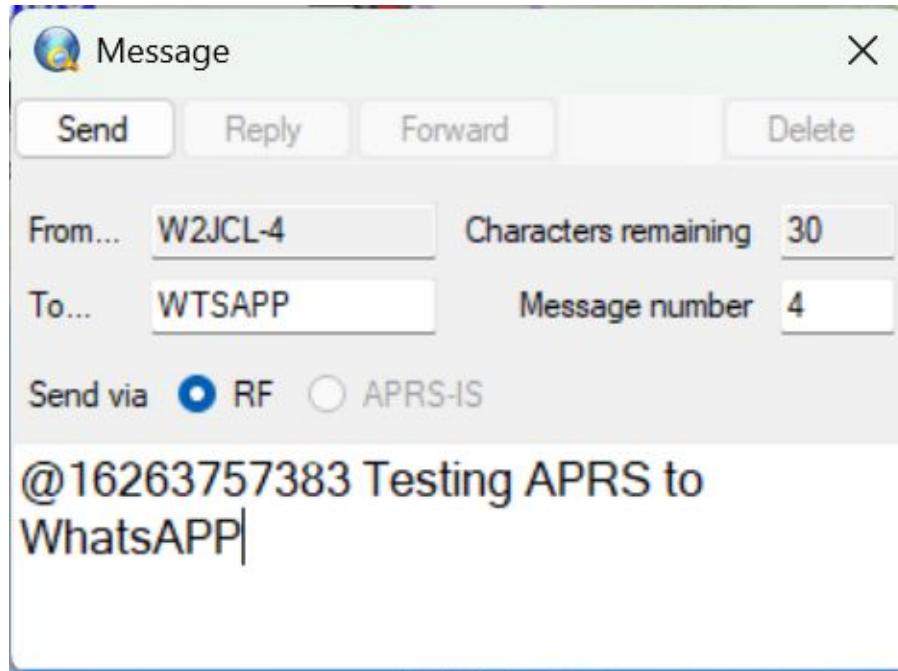
APRS: WTSAPP

APRS: SOTA

- Self-spot on SOTAwatch via APRS
- Send formatted message to SOTA or APRS2SOTA
  - SOTA <summit-ref> <frequency> <mode> [call] [comment]
- Examples
  - SOTA W6/CT-019 146.520 FM W2JCL calling cq
  - SOTA W6/CT-225 14.062 CW need 2 more

APRS: EMAIL-2

- "EMAIL" service deprecated
- In PinPoint
    - Tools | Send Email via Gateway (F5)
    - @winlink.org for Winlink messages
- No replies permitted
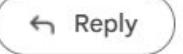
APRS: EMAIL-2

APRS: WXBOT

- Weather information
- In PinPoint
  - Tools | Send Message (F6)
  - Address to "WXBOT"
- Replies found under "Messages"

APRS: WXBOT

- Message body "where"
  - Blank (your latest location)
  - Callsign-ssid
  - City,ST
  - Zipcode (5 digit)
  - Lat/Lon (decimal degrees)
  - IATA airport code (e.g. LAX)

APRS: WXBOT

- Message body "when"
  - today (default)
  - tonight
  - tomorrow
  - Monday [night] (etc.)

APRS: WXBOT

- Message body "what"
  - brief (default)
  - full
  - current
  - metar (with airport code)

APRS: WXBOT

- Examples
  - Pasadena,CA Sunday full
  - Tomorrow 91030
  - W1AW
  - 34.102/-118.146
- https://sites.google.com/site/ki6wjp/wxbot

APRS: WXBOT
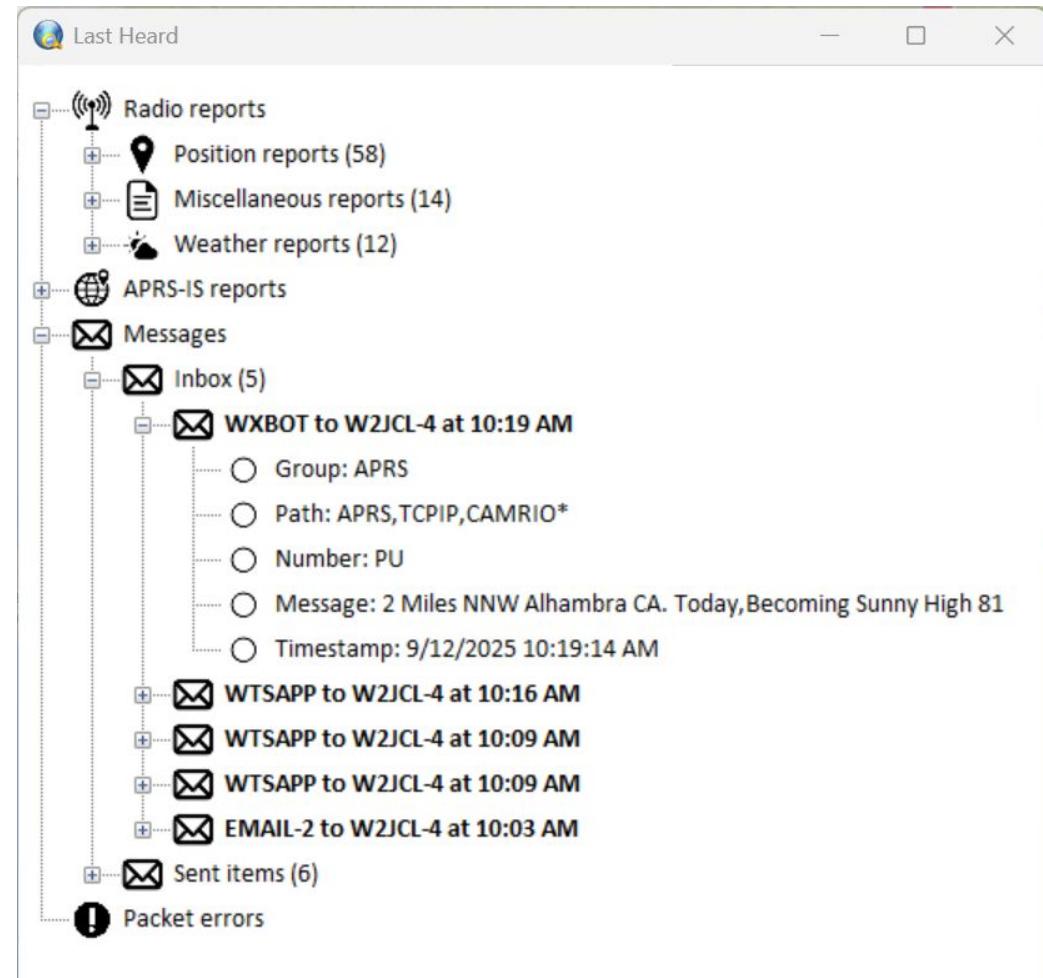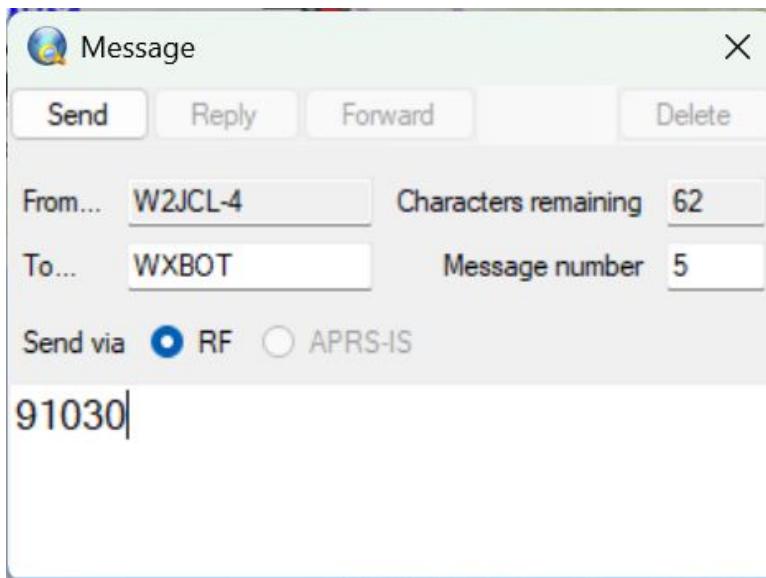
APRS: WLNK-1

- Interact with your Winlink account
  - Send, list, read, reply, etc.
- https://winlink.org/APRSLink
- In PinPoint
  - Tools | Send Message via WinLink Gateway (F7)
- Replies found under "Messages"

Resources

- aprs.fi (online, or smartphone app with software TNC)
- SoundModem (free Windows software TNC)
  - https://uz7.ho.ua/packetradio.htm
- PinPoint APRS (free APRS mapping and messaging)
  - https://pinpointaprs.com/
- Digirig (compact computer/radio interface)
  - https://digirig.net/product/digirig-mobile/
  - https://digirig.net/product/digirig-lite/
  - https://digirig.net/product/vox-ptt-cable-for-smartphones/