VARA FM on 2 Meters

NB5C

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RMS Gateway
Node

Simplex 145.060

NB5C-10

First Steps

- Register Callsign with Winlink.org.-
  - FREE----Dont forget your password.
- Download Programs-
  - User
    - Winlink Express
  - Vara Products
    - Vara FM
    - Vara HF

WINLINK WITH NO RADIO?

WINLINK WITH NO RADIO?

YES....

- TELNET
- TRY THAT BEFORE VARA FM

WHY NOT ALL THE TIME?

A) CANT SEND FORMS?

B) CANT SEND MESSAGES?

C) USES THE INTERNET?

Winlink- Many ways

Telnet- Internet dependent

Packet- Terminal Network Controller

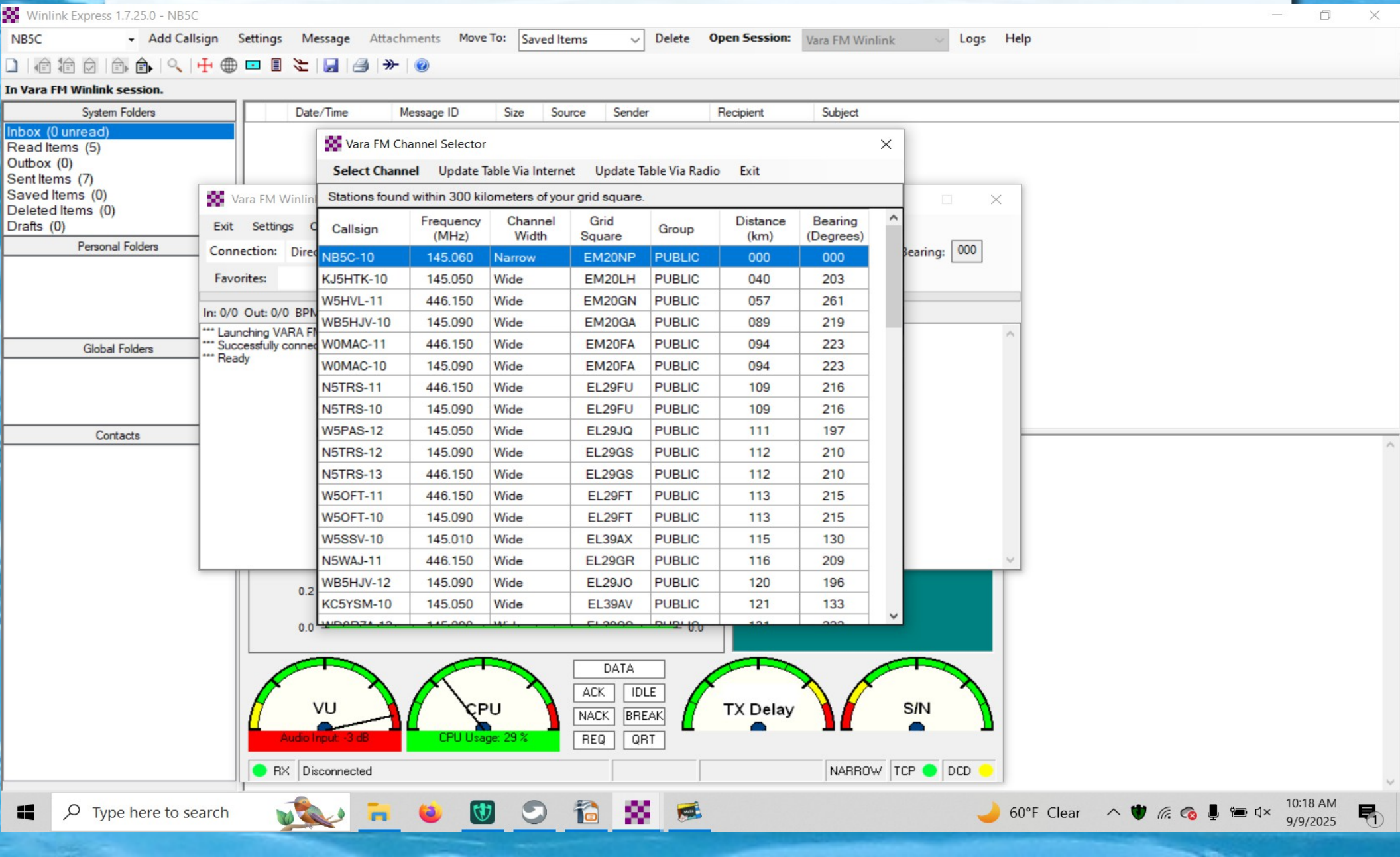
P2P – Point to Point -Person to Person

VARA HF - High Frequencies- Long

VARA FM --- Short Distances

- Need a CLOSE NODE
- Find one using Winlink- Open Session Settings

Find a Close Node



Sound -Internal/External

Sound is how the data is sent.

- Soundcard – Internal or External
  - Few Radios have internal -UHF/VHF
  - External Sound cards and CABLES
    - DigiRig and CABLES
    - Signalink w Cables and jumpers (internal)
    - Masters Communication-board/cable

Settings Needed

VARA TNC- Software TNC

Use the defaults

RMS Express Screen

VARA Setup ---- use defaults.

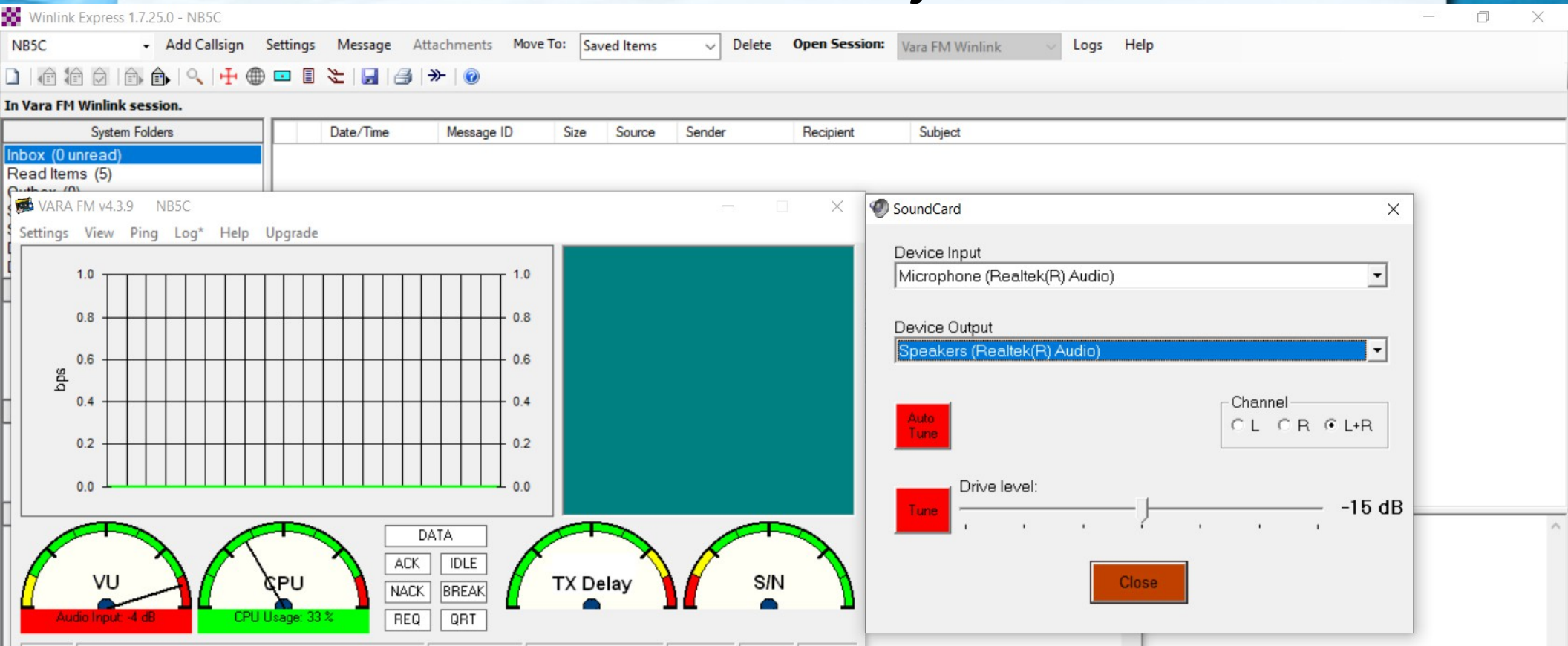
Soundcard – where most errors occur

- Setup for your sound card
- Where most errors occur

More Settings

Vara FM Settings- Adjust your soundcard from defaults.

Windows Sound Panel- Adjust levels.



PTT Settings

Com Port #- Changes in Windows!!

- Enable RTS (Request to Send)
- Enable CTS (Clear to Send)

VOX- Used with some Soundcards

RA-Board (Masters Communications)

Levels MUST be set.

PING- send to Node (NB5C-10)

Autotoune- ???

Soundcard - Details

Levels MUST be set.

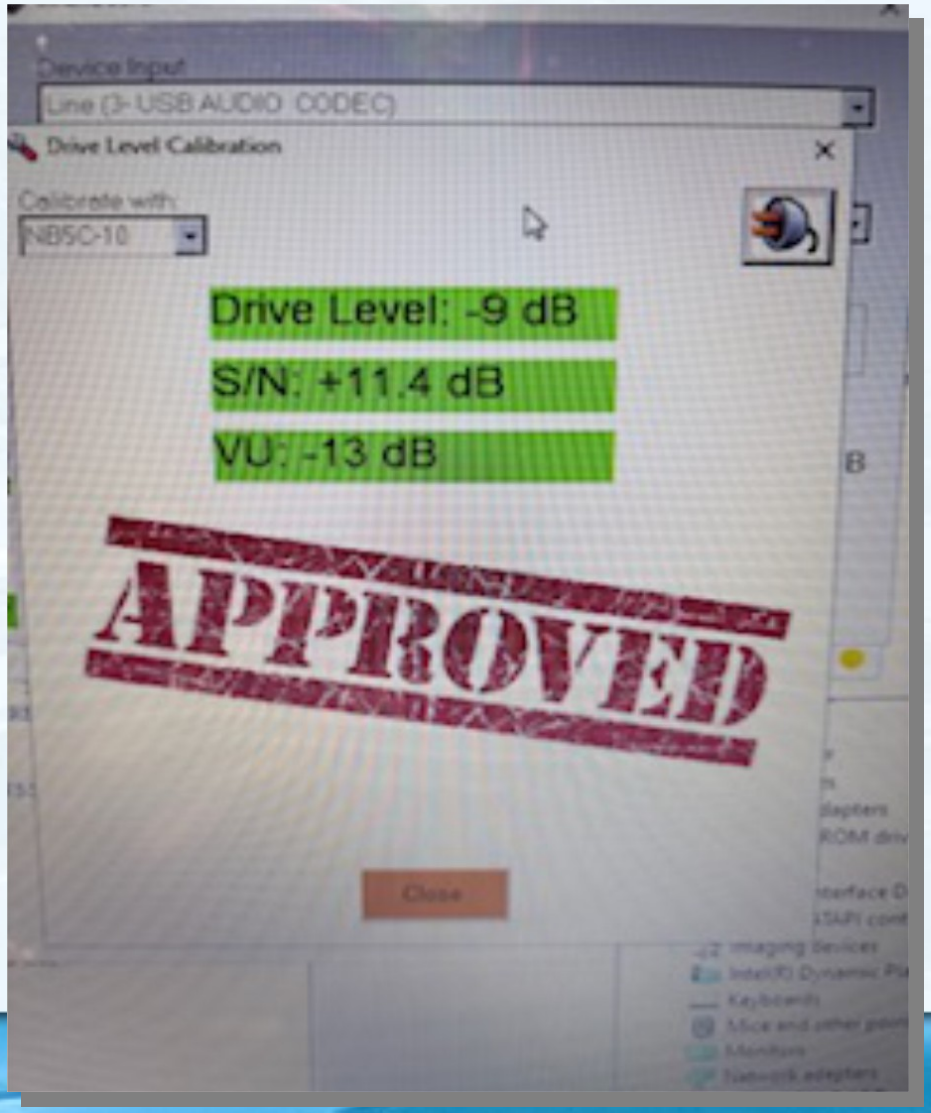
PING- send to Node (NB5C-10)

Approved is your goal

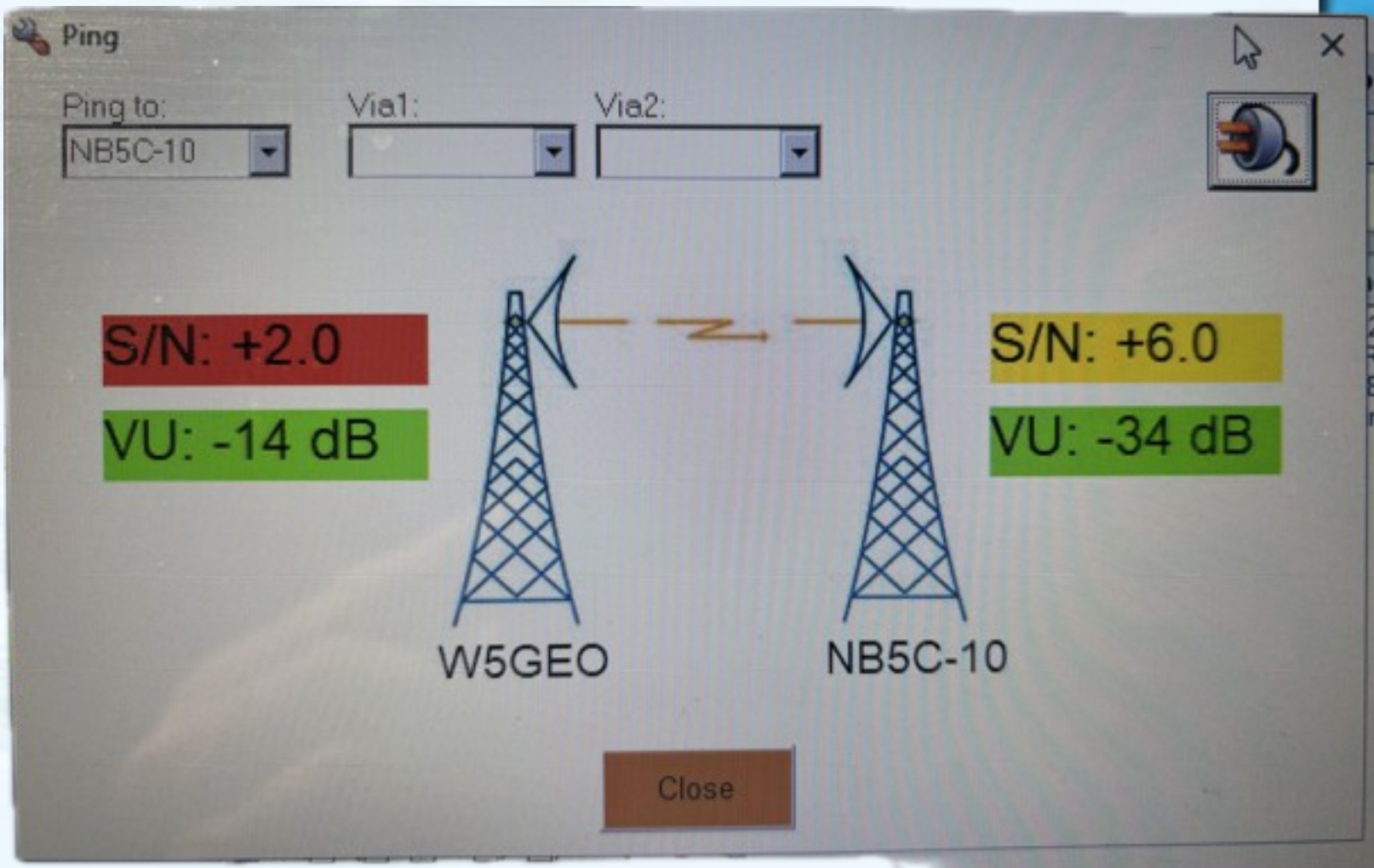
Autotoune- Calibrate with Node

Shows both ends

Soundcard Settings
Autotune- Calibration



Soundcard Settings
Ping- Both Ends



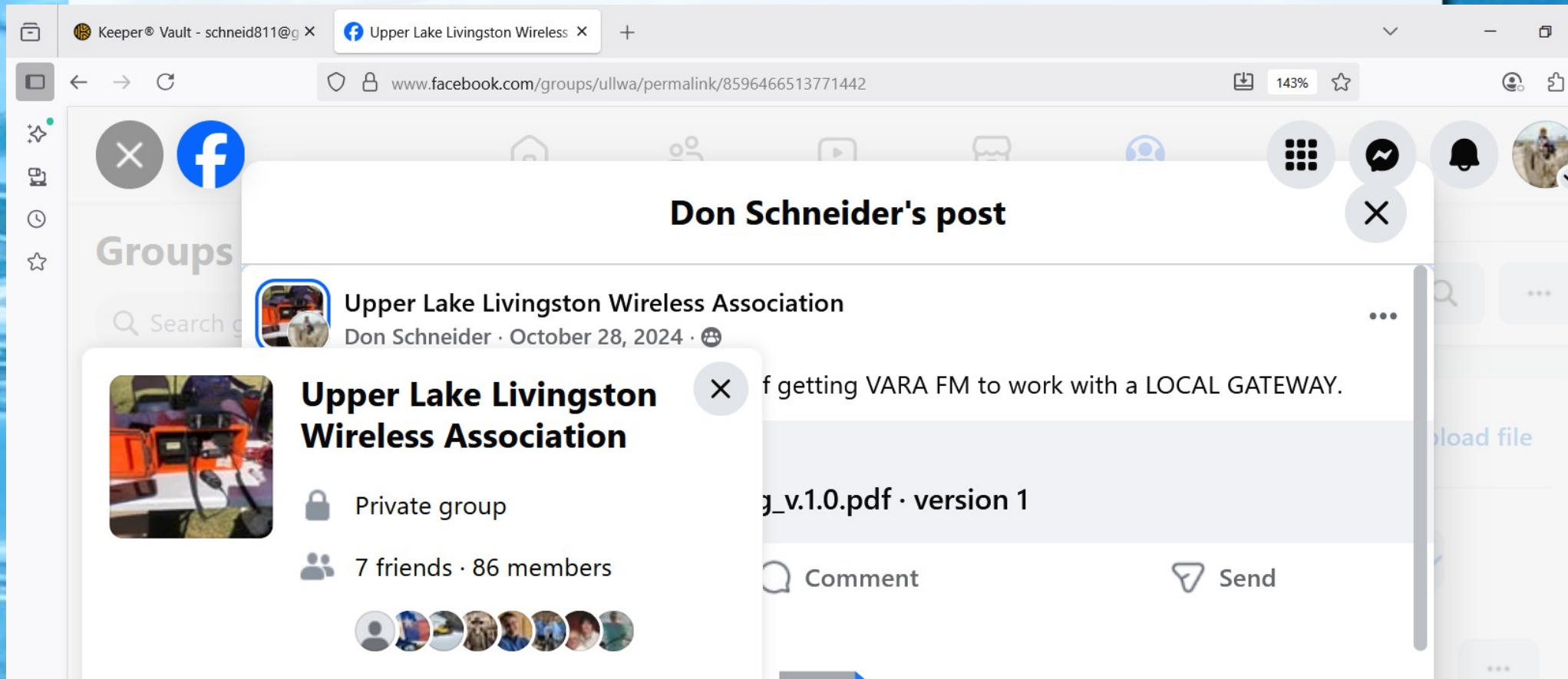
More Info

- Different Sound Cards make this complicated.
- Detailed instructions on website
- Different RMS nodes by distance.
- Mine is NB5C-10, 145.060 Simplex.
  - Starlink used for INTERNET.

Getting Complicated?

There is a step by step guide on the Facebook website.

- More.....Files



PDF from FB Page

How-To_Winlink_VARA_Digirig_v.1.0-1

Q & A

VARA FM uses a Soundcard- External

Packet- Uses a Hardware TNC or Soundmodem 114- software TNC.

RMS Nodes USE THE INTERNET

- Unless set for Radio ONLY.

Questions?