

0.8.0-20200620

edy555 released

- Add format Quality Factor
- Fix label R+Xj to R+jX
- Add bandwidth command
- some fixes

0.7.1-20200321

edy555 released

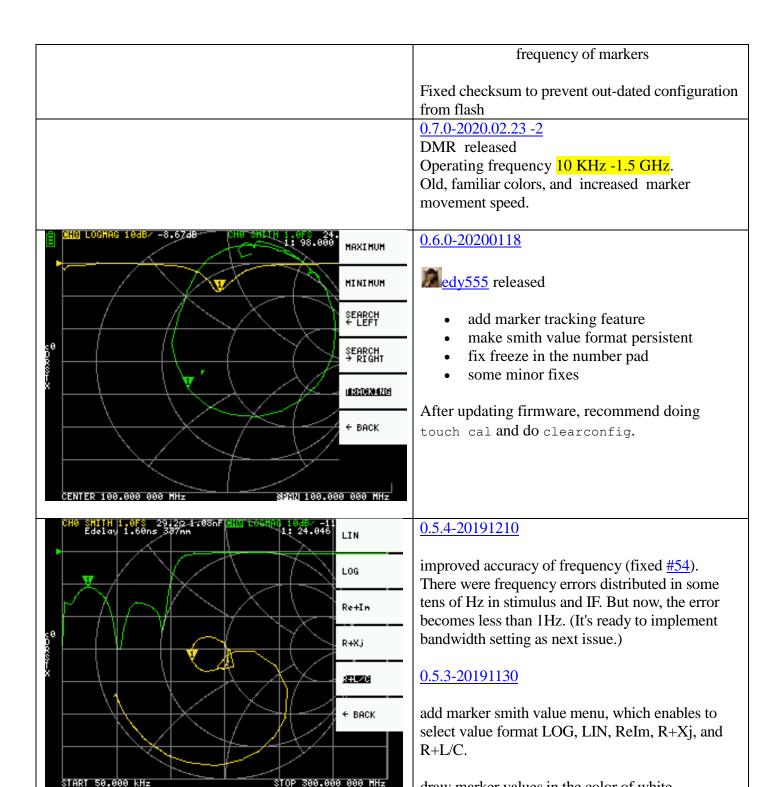
- Contributions from @DiSlord
 - shrink flash size
 - fasten sweep
 - o added color command
- added lever operation for the electrical delay
- fixed code style



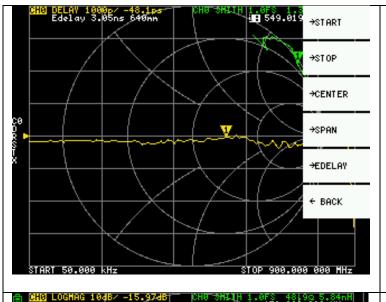
0.7.0-20200223

edy555 released

- Merged incredible contribution from @DiSlord
 - font face becomes smart, clear and having variable width
 - update trace color to have good contrast
 - o update battery indicator
 - o changed marker icon
 - o changed focus sign of the lever mode
 - o replaced number formatting scheme
 - remove the shell from chibios
 - o remove some unused command (info, thread)
 - shrink the size of flash and SRAM
 - o cleaned a large amount of the codes
- Lever operation updated
 - disable lever mode change by frequency change
 - clicking lower edge of the left and right changes lever mode to adjust the frequency of the stimulus
 - o dragging marker or clicking upper side makes lever mode to adjust the



draw marker values in the color of white



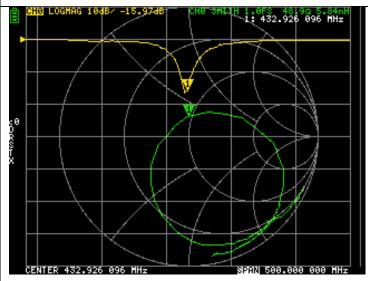
0.5.2-20191129

show multiple marker information add marker delta mode

NanoVNA-0.5.1_20191123

0.5.1-20191123

add marker operation groupdelay → edelay



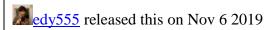
NanoVNA-0.5.0_20191117

0.5.0-20191117

- add lever operations that support shifting center freq, zoom span and marker search
- change touch cal default for 2.8 inch lcd panel
- some minor fixes

After updating firmware, recommend to do touch cal and do clearconfig if traces become scratched.

0.4.0-20191106



- add marker function to search maximum and minimum
- update nanovna.py script
- reduce flash size
- add guide after clearconfig
- some minor fixes
- add list of pc tools in README.md

After updating firmware, don't forget touch cal and try clearconfig if traces become scratched.

0.3.1-20191021



edy555 released this on Oct 21 2019

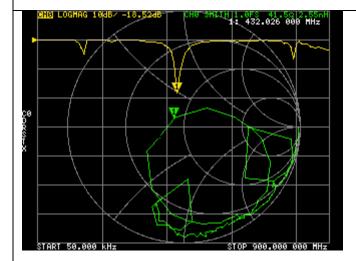
fix sign of group delay

0.3.0-20191020

 edy555 released this on Oct 20 2019 make group delay trace format work support negative time value remove close menu item minor fixes
 0.2.3-20191008 change toggle behavior of trace menu and marker menu add transform command to change mode of TDR add threadshold command remove cal glitch between different harmonic modes NanoVNA-saver in multisegment mode shall work well Needs touch calibration and save it after flashing
firmware. 0.2.2 edy555 released this on Sep 29 2019
0.2.1 edy555 released this on Sep 28 2019 fixed: freeze device by clicking pause 0.2.0-20190928
 in-device TDR support (contributed by @cho45) add scan command for multisegment scan excess 101 points fixed invalid sweep at the narrow span (<5kHz) fixed failures caused by a race condition between USB and measuring loop find device automatically in python script
0.1.1

Redy555 released this on Sep 19 2019

fix: increase stack area to prevent fault caused from nanovna-saver



2016-2019 Copyright @edy555 Licensed under GPL. See: https://github.com/ttrftech/NanoVNA Version: 0.1.0 Build Time: Sep 14 2019 - 11:16:43 Kernel: 4.0.8 Compiler: GCC 8.2.1 20181213 (release) Egcc-8-branch revision 2 Architecture: ARMu6-M Core Variant: Cortex-M0 Port Info: Preemption through NMI Platform: STM32F072xB Entry Level Medium Density devices

0.1.0-20190914



edy555 released this on Sep 14 2019

- use gcc-8.2.1 to build firmware
- contributed by cho45
 - o add screen capture command (use script ./python/nanovna.py -
 - add trace format of real/imag/impedance/reactance
 - add battery indicator (needs install D2. any small diodes are suitable. 1N4148WS or B5817WS is the best. see https://lowreal.net/2019/09/09/1)
 - add version info screen
 - add menu and command to enter dfu mode
 - add menu item to calibrate touch screen and test it
 - optimize line drawing
 - reduce sram usage

0.0.9-20190818



edy555 released this on Aug 20 2019

- support 900MHz x3 harmonic operation
- add experimental x5 harmonic
- adjust gain and drive strength of LO
- add sample command to evaluate IF amplitude and dynamic range
- add version command
- rearrange menu to reduce clicks
 - o split save and restore
 - trace and marker menu
- remove glitch at first point in sweep span
- interpolate only when cal applied
- add visual feedback on correction/pause menu item
- add n, p key in number pad screen for electrical delay
- fix the mistake of error correction formula for s11
- fix the mistake of the impedance

calculation formula
20170203
edy555 released this on Aug 11 2019 · 211 commits to master since this release
0.0.5
add schematics, block diagram and pcb photo, update README.md
20170122
edy555 released this on Aug 11 2019 · 224 commits to master since this release
0.0.4
delete unused var
20170120
edy555 released this on Aug 11 2019 · 231 commits to master since this release
0.0.3
add clearconfig command
20170118
edy555 released this on Aug 11 2019 · 233 commits to master since this release
0.0.2
set scale and refpos temporally
20170109
edy555 released this on Aug 11 2019 · 245 commits to master since this release
0.0.1
menu attribute change on trace selection and cal operations