

NanoVNA-0.5.3_20191130

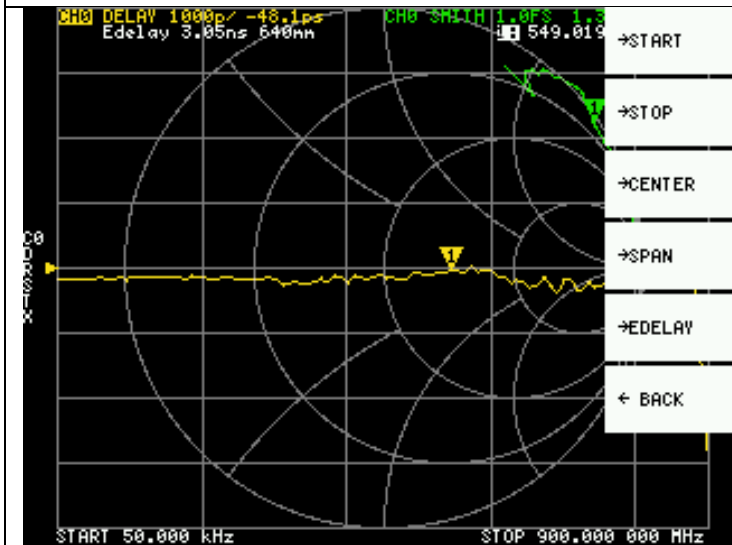
[0.5.3-20191130](#)

add marker smith value menu, which enables to select value format LOG, LIN, ReIm, R+Xj, and R+L/C.

draw marker values in the color of white

[0.5.2-20191129](#)

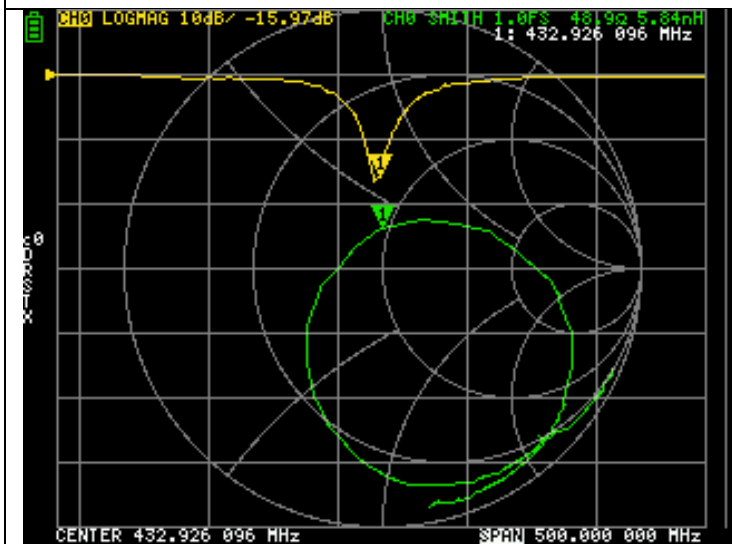
show multiple marker information
add marker delta mode



NanoVNA-0.5.1_20191123

[0.5.1-20191123](#)

add marker operation groupdelay → edelay

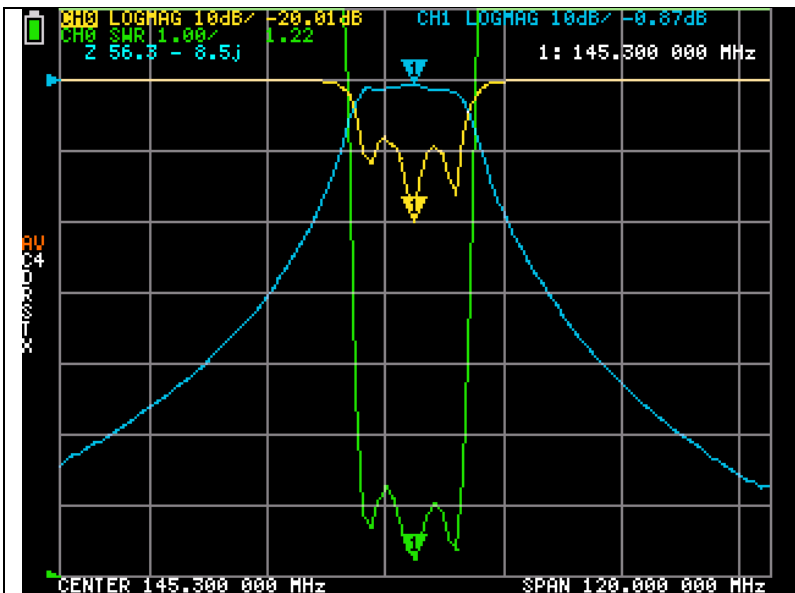


NanoVNA-0.5.0_20191117

[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.

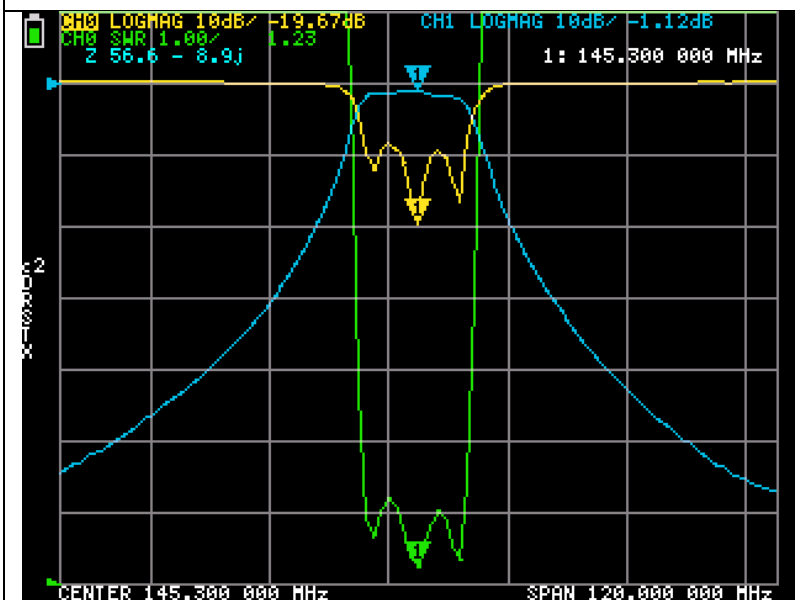


NanoVNA-Q-0.4.4_20191126
[0.4.4-20191126](#)

- added average mode for better calibration
- minor fixes

Use menu CAL => AVERAGE to enable average mode before calibration.

Note: average mode sweep time is much slower (about 3 seconds).
 When you perform calibration with enabled average mode it allows to get better calibration.



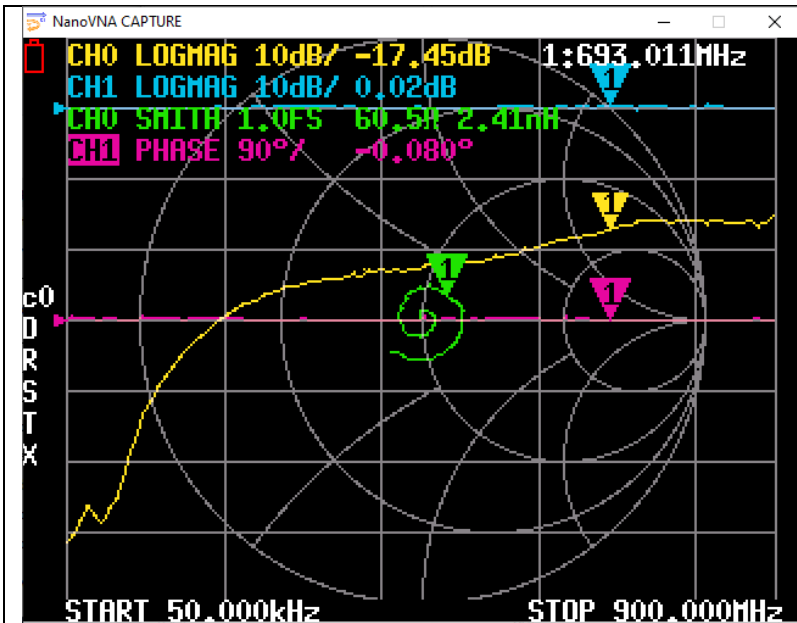
NanoVNA-Q-0.4.3_20191001
[0.4.3-20191101](#)

- fixed marker update crash
- added **vbat_offset** command (allows to set battery diode offset)
- implemented proper battery capacity percent calculation
- new colored battery indicator with more levels
- You can use **vbat_offset** command to set proper diode offset for battery voltage measurement.
- In order to save **vbat_offset** value permanently, you're needs to do any of these actions:
 menu CONFIG => SAVE
 execute console command **saveconfig**



NanoVNA-Q-0.4.2_20191028
[0.4.2-20191029](#)

- fix multi-threading
- add color command



NanoVNA-H_20191125_AA

[0.4.0-3-20191125](#)

[NanoVNA-H version compiled on November 25, 2019](#)


1. The absolute value of the linear format is displayed;
2. Si5351 default 8mA output;
3. The AA version shows 4 traces.



NanoVNA-0.3.1-2_CH0_20191027

[191130-0.5.3](#)

[0.5.3 with bigger font and info screen](#)

 [reald](#) released this 4 hours ago

191130-0.5.3

Merge branch 'master' of [git://github.com/ttrftech/NanoVNA](https://github.com/ttrftech/NanoVNA)