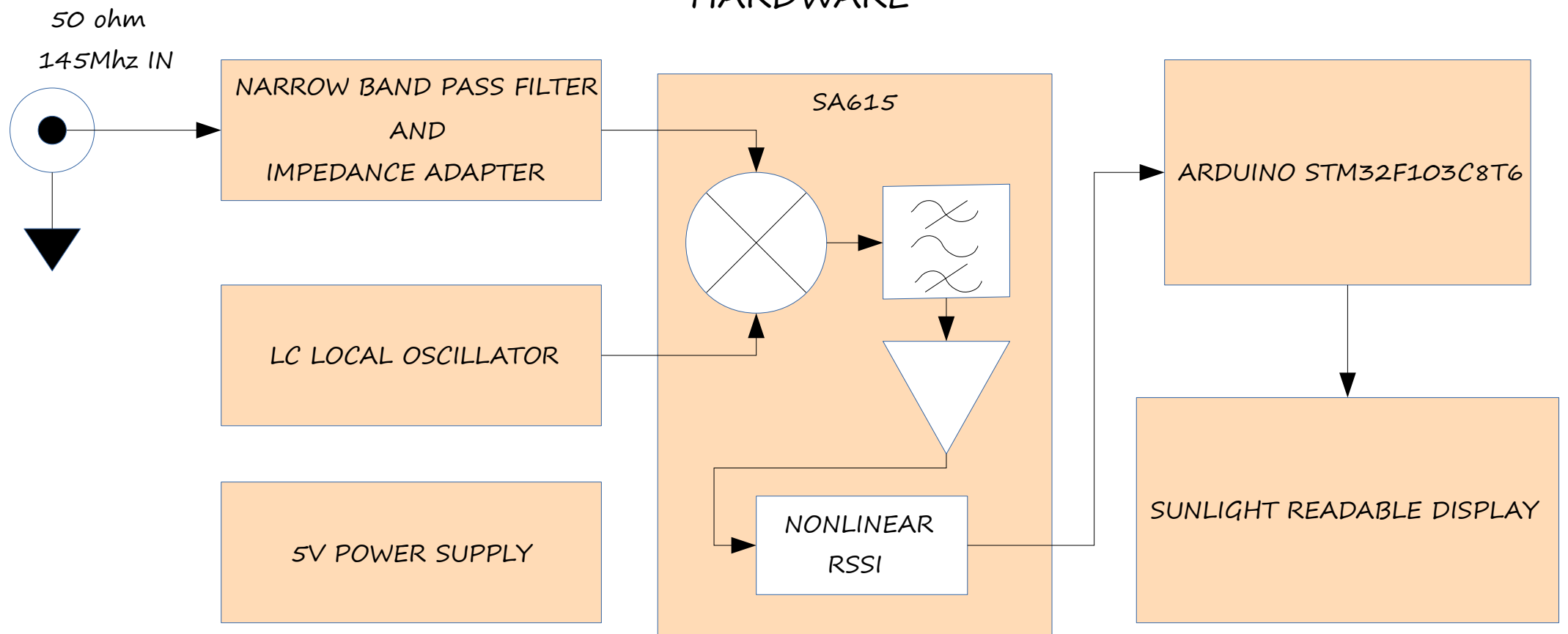


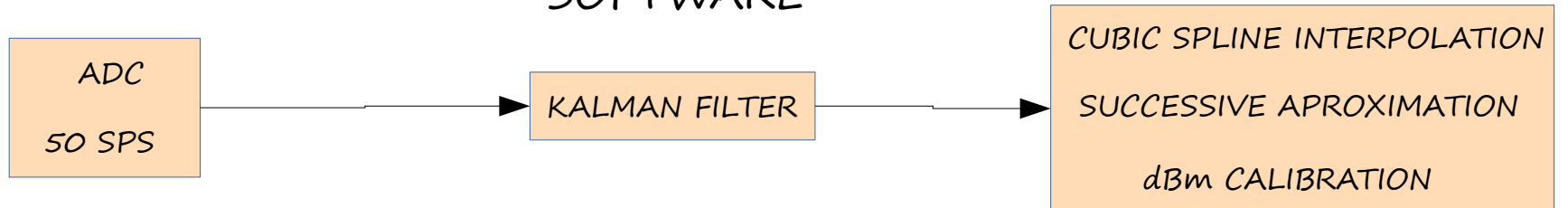
EA510T SUN NOISE METER

<https://github.com/EA510T>

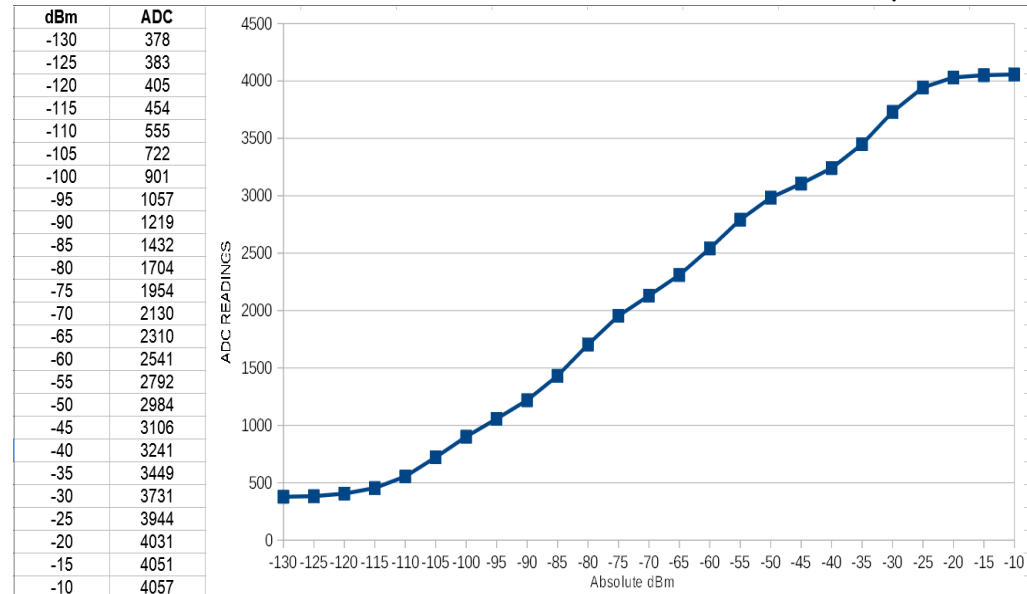
HARDWARE



SOFTWARE



UNCALIBRATED RSSI READINGS



REAL TIME CALIBRATION

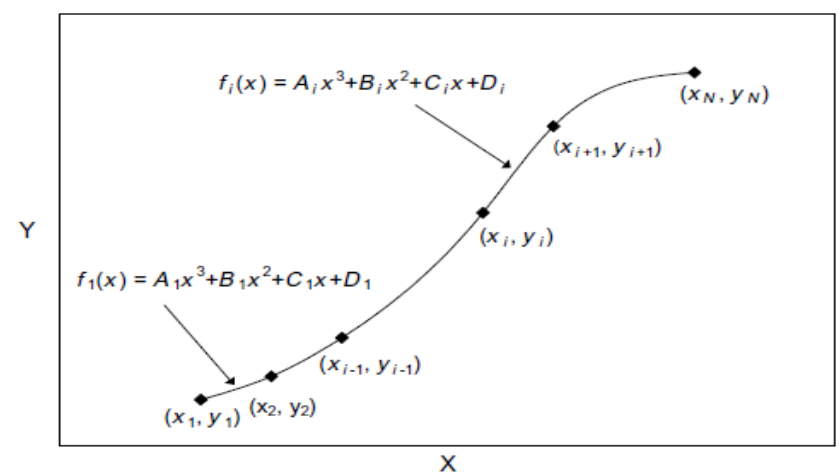
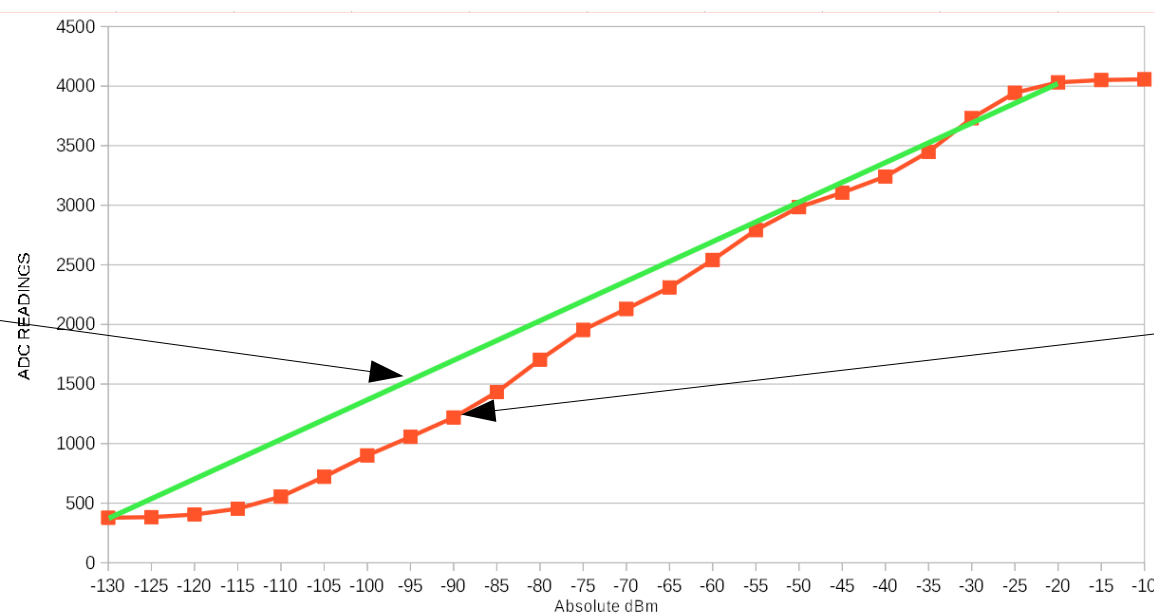


Fig. 1. Cubic spline construction.

CALIBRATED
READINGS



UNCALIBRATED
READINGS

EA510T SUN NOISE METER

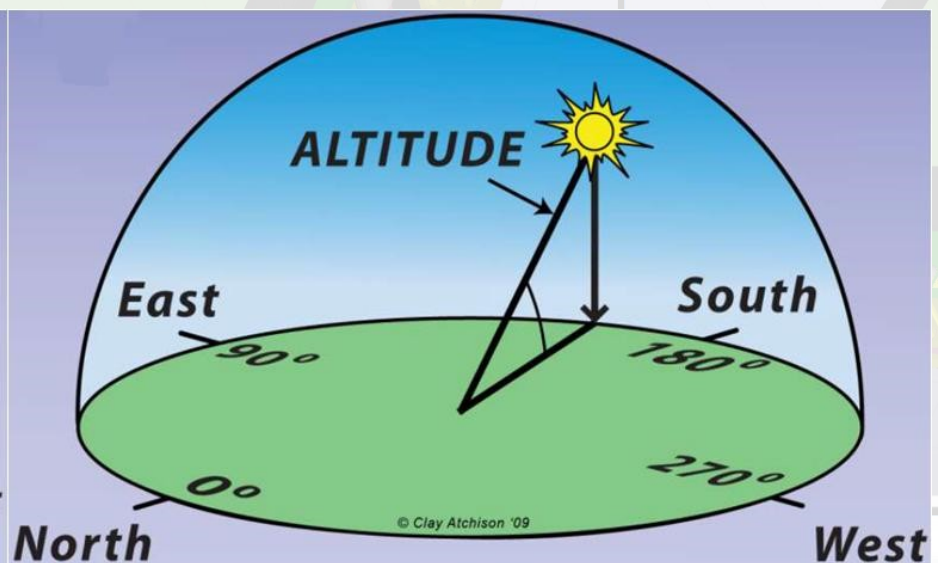
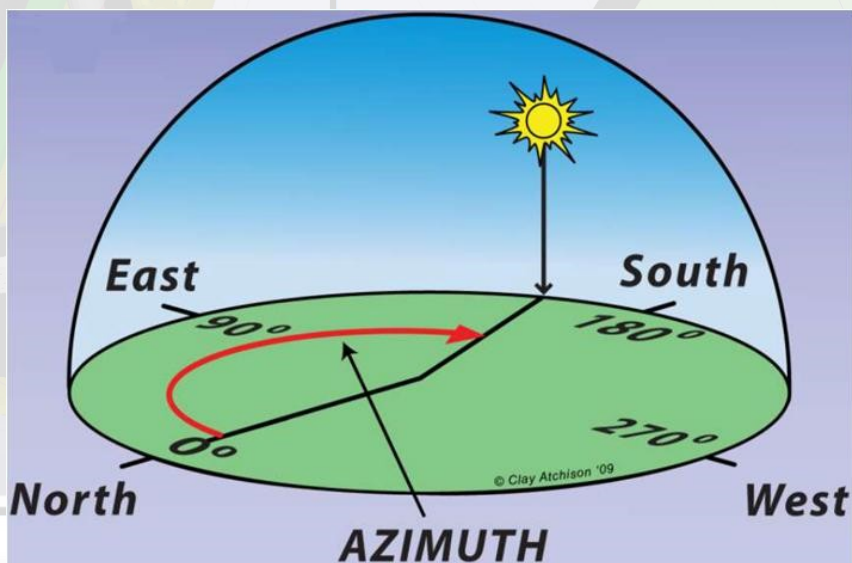
<https://github.com/EA510T>

Why a portable sun noise meter

- You must know your own azimuth and elevation on portable operation to align your antenna to your non light of sight contact
- You must be true with your receiver chain sensibility
- It's an easy way to test efficiency of parabolic reflectors, illuminators and lna gains

Features

- Narrow band to minimize out of band interferences, typically 30Khz
- 110dB calibrated measurement dynamic range, from -130dBm to -20dBm
- 0,01dB resolution
- Five programmable scales with independent filter configuration to look for noise & velocity compromise
- Graphical interface to visualize data versus time
- Two graphical bars, one instantaneous and one with 2 seconds of peak memory
- Indication of signal to noise ratio respect to your selected zero, and absolute measurement



SUN NOISE

GHZ SIGNAL

LNA

GHZ SIGNAL

TRX



145Mhz FI

