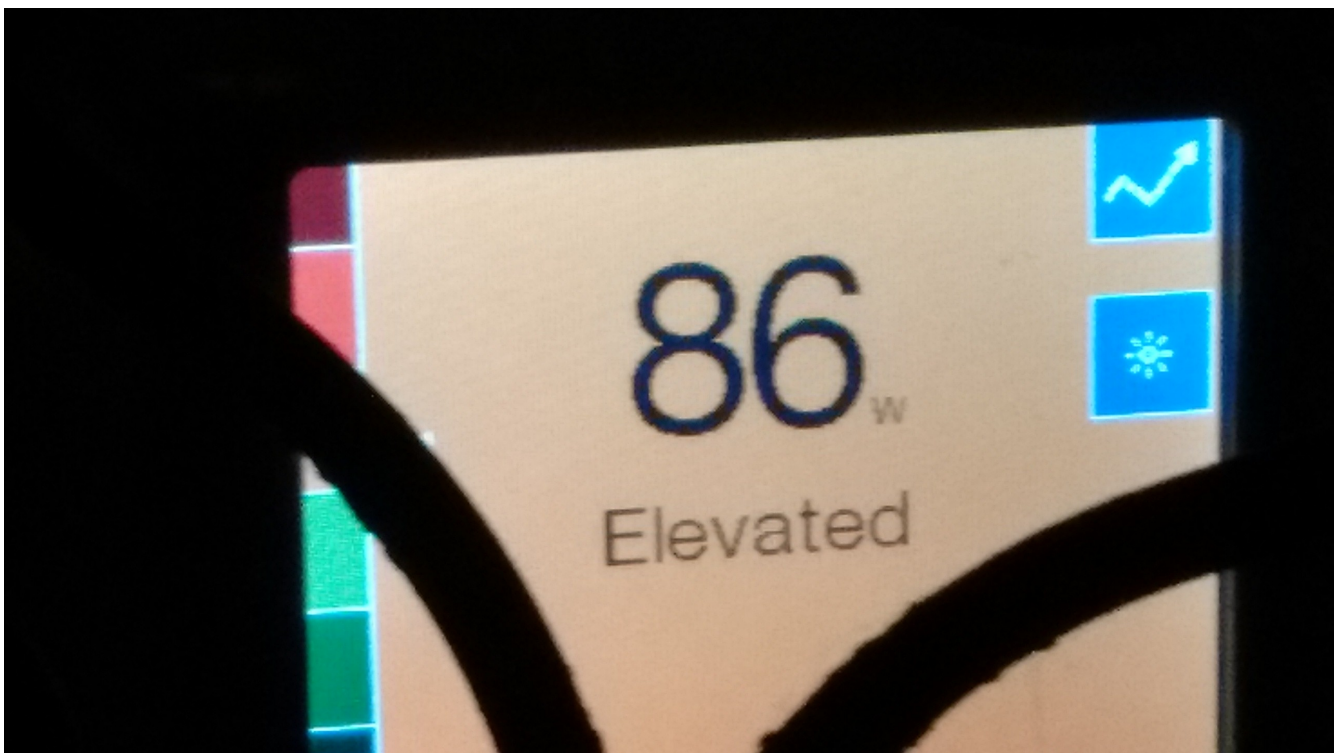
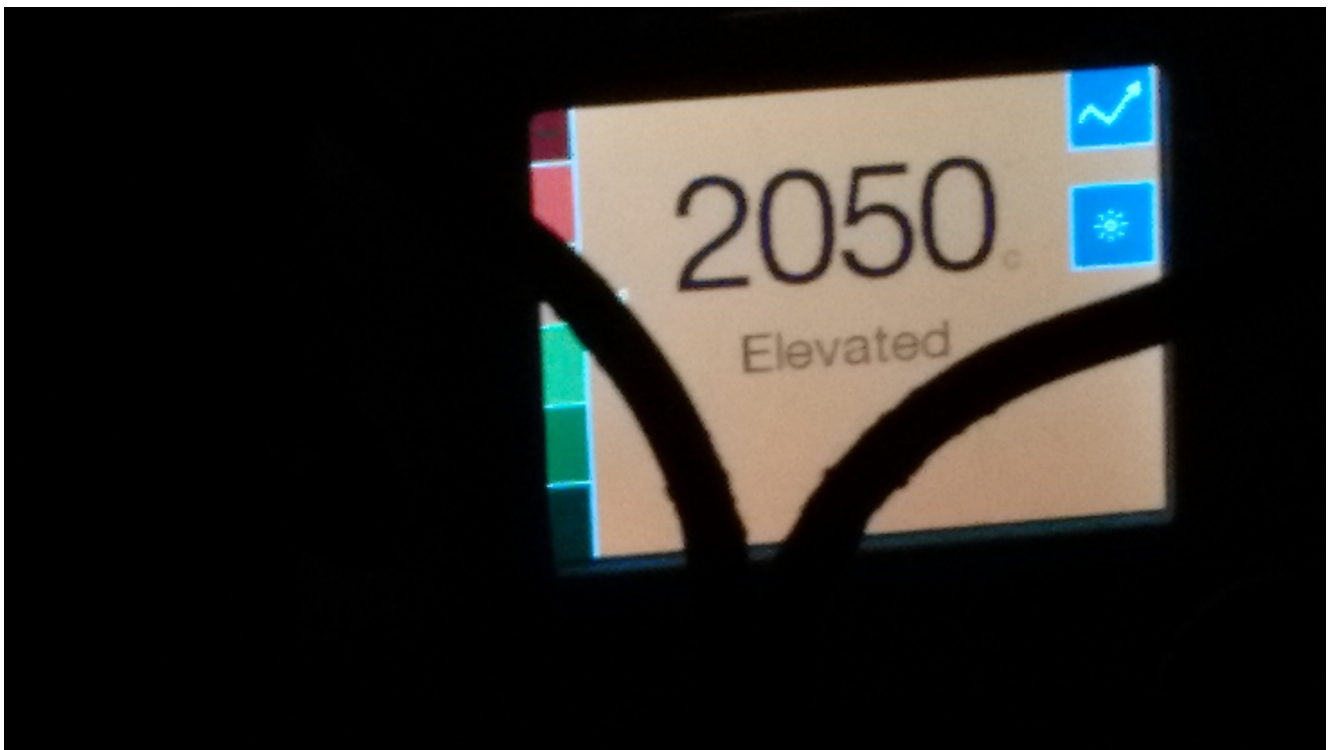


Understanding Speck Readings

Speck's color-coded scales make understanding your air quality straightforward even from a distance. Darker greens represent generally healthy air while lighter greens and yellow indicate less healthy air and orange and red indicate high-level pollution that requires immediate attention.

Particle Counts (ppL)	Estimated Mass ($\mu\text{g}/\text{m}^3$)	Rating	Description
8001 - 16000	321 - 640	Very High	This level of particles is unsafe and warrants more serious long-term health effects if sustained.
4001 - 8000	161 - 320	High	Air pollution levels are dangerous and everyone may experience coughing, itchy eyes or other symptoms. This level of particles may significantly trigger asthma and allergy symptoms. Work to decrease values as soon as possible or consider wearing a mask.
2001 - 4000	81 - 160	Elevated	Air pollution is unacceptably high and problematic for all persons due to significant particulate loading in the air. Brief exposures to this level often occur from cleaning, such as vacuuming a carpet. If this level is sustained during the nighttime, consider investing in an air filter for the bedroom.
1001 - 2000	41 - 80	Slightly Elevated	Air quality is problematic for vulnerable populations (elderly, respiratory-compromised individuals or children). This level of pollution warrants taking steps to try to reduce: turn on your kitchen hood vent; consider opening or closing a window as appropriate, etc.
501 - 1000	21 - 40	Moderate	Air quality poses a slightly elevated risk of asthma, allergy and arrhythmia symptoms. Frequently seen moderate level of particulates are often caused by human behavior (cooking, candle burning, etc.).
0 - 500	0 - 20	Good	Air quality is considered good and there is little risk of particulates causing harm to your health.



Note that the top reading is using the c scale and the bottom is in the w scale. Multiplying the w reading by 25 or dividing the c reading by 25 will give an approximate conversion respectively. The yellow screen indicates the Elevated status which is also evident in the text beneath the numerical reading. These are actual readings taken at night on my front porch prior to reaching 450w due to burning leaves 100 feet away in my neighbor's yard.