Background Noise in Hood River Kitchen, deck, and bedroom, Doppio Cafe and Double Mountain Pub recorded 10/27/07
Rick Campbell

Here is a photo of the laptop sitting on the kitchen table. Note the Refrigerator door in the background. This is a source of much of the audible noise in the green spectrum below, based on perceived arrival angle. The black spectrum is a relatively quiet baseline recorded in the Hood River Bedroom with the door shut and the furnace not running. This is similar to the noise floor in the String Theory and K2 recordings. Doppio is an Acoustic Music Performance venue, and Double Mountain is a typical Saturday night pub loud conversation environment, with many conversations but no music.

This is the power spectrum on the internal microphone in the 12” Powerbook sitting on a food-service table, except the Bedroom spectrum where the laptop was sitting on the bed. Traffic noise from I-84 0.5 km line-of-site from the single-pane bedroom window is clearly audible even in the black spectrum and may account for most of the noise in the black spectrum. A CW signal in the Hood River kitchen that peaks at -20 dB on this scale is loud, but not uncomfortable. The same signal would be easily copied at -70 dB above the Hood River bedroom noise, and probably at -90 dB in the mountains.