

2.2 EMF safety: Area monitoring with AMB-8059 and AMS-8063

Survey an entire town in just one day? That's no fantasy, no illusion. The reality is the Narda Wideband **Area Monitor 8059** with vehicle mounting kit. The Narda AMB-8059 was actually designed as a stationary wideband monitor for measuring the strength of electromagnetic fields such as those produced by broadcasting equipment, and mobile communications systems, as well as high tension lines. When equipped with a solar panel and cellphone modem, it can be permanently set up at points that are of public interest, measure the field strength, and post the results on the Internet, for



example. It can thus make a valuable contribution to monitoring the quality of life. However, if it is mounted on the roof of a car using the new vehicle mounting kit, you can drive it round the entire area. Thanks to its built-in GPS module, the result will be a map showing the local field strength. You can even make good use of your lunch break, by simply parking the vehicle near a busy market and letting it make a "long term" measurement for an hour or so. Clever, simple, and efficient.

Most field strength measurements are made either in the low frequency range (energy providers, etc.) or at high frequencies (cellphones, broadcasting, etc.). The mid-range frequency band between them is often neglected. But there are long, medium and short wave transmitters everywhere, particularly in really big countries, and some of these have immense output power levels. Measuring and checking these is a challenge. There is an ideal sensor for the job, though: the EHP-200A from Narda. And, because it is so good, it is now available as a stand-alone Area Monitor with a solar panel to supply power. This set up is called the **AMS-8063**. It makes frequency selective monitoring of electric and magnetic fields in the range from 9 kHz to 30 MHz easy and convenient. Now there's no such thing as can't be done. If you want to know what all of this looks like in practice, take a look at our [example projects](#) on our homepage under Product description. You can see the EMF exposure levels for a specific location there.