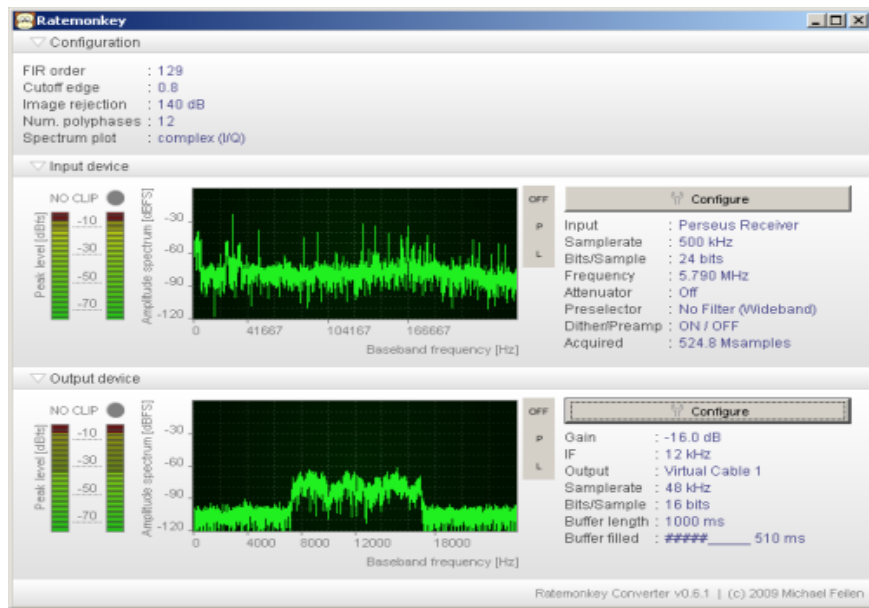
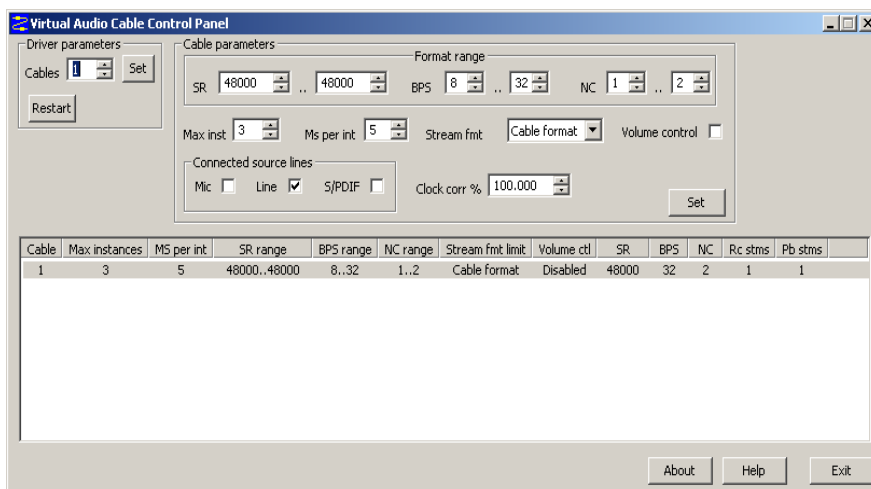


Perseus Rx and DRM decoding

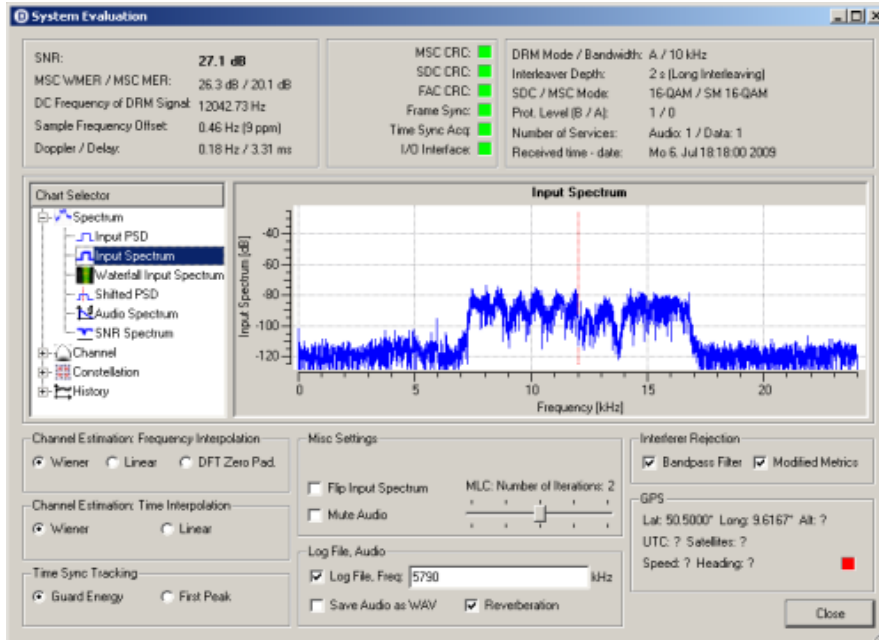
Some hints for using the Perseus Rx with the **Ratemonkey** samplerate converter (a tool by Michael Feilen, V0.6.1) and Virtual Audio Cable as input device for Dream or FhG DRM SoftwareRadio (with IF shifted to 12 kHz)



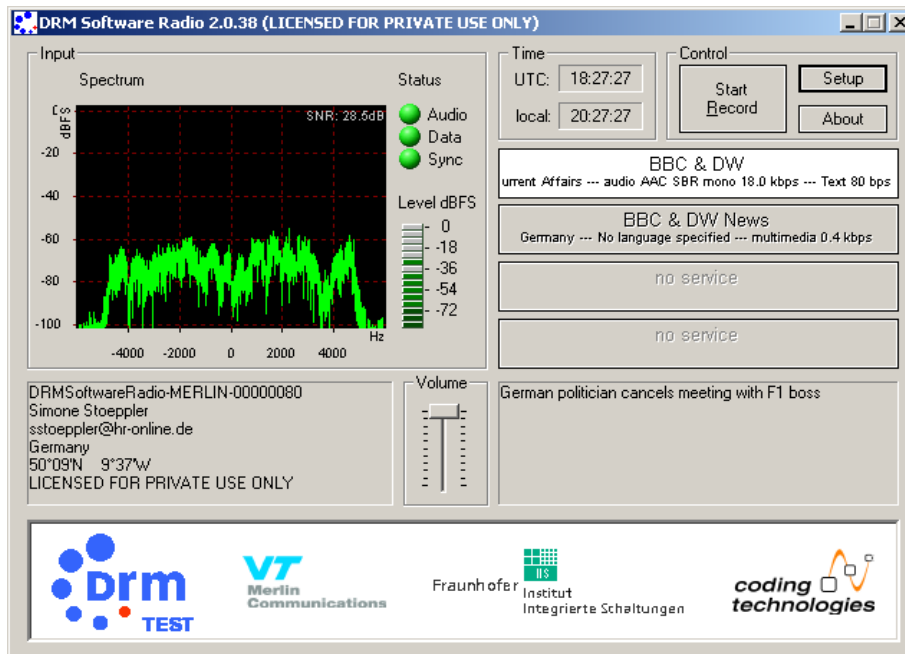
settings for Virtual Audio Cable:



Here is an example showing the system evaluation dialogue in Dream with the IF at about 12 kHz:



and the same signal using FhG DRM SoftwareRadio (which is not possible with the Perseus software):



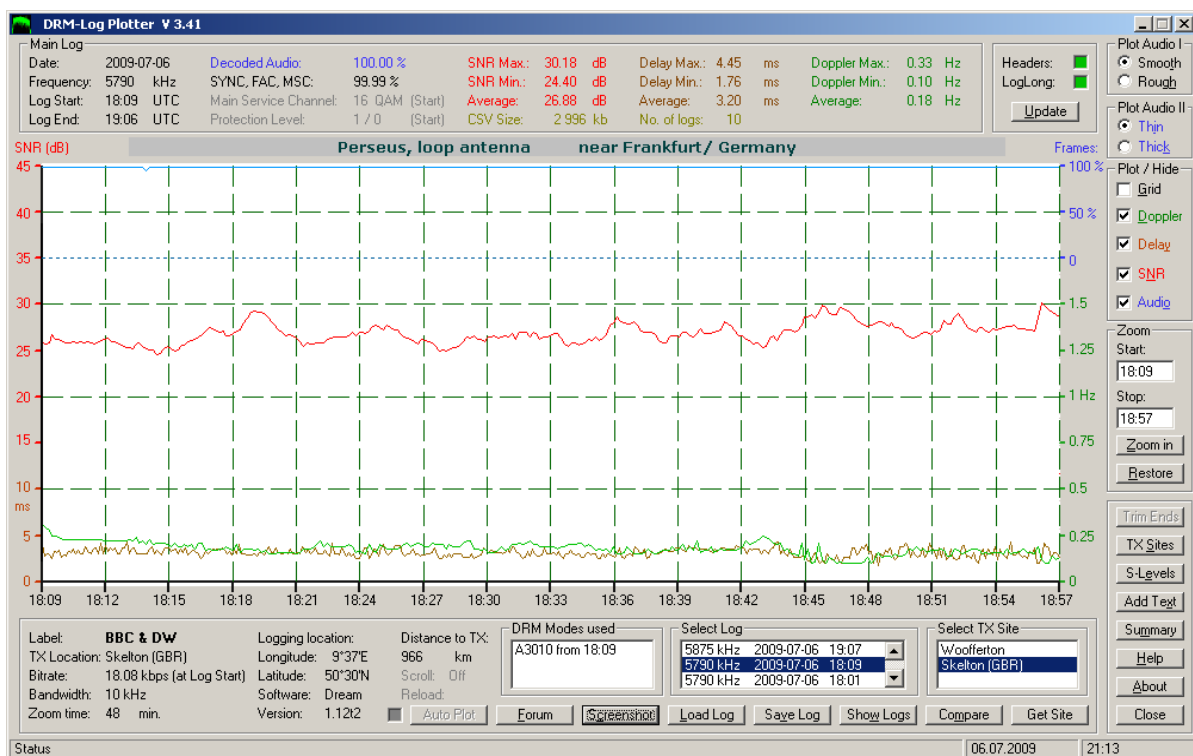
For details about ratemonkey and (free) download see <http://www.drm-sender.de>

Start ratemonkey with these commandline options to shift the IF to 12 kHz, set the order of the FIR Filter and high image rejection as needed on most transmissions:

```
ratemonkey.exe -indev perseus -inrate 500000 -perslo 5790000 -persdith -firtabs 128 -cutoff 0.8 -imgrej 140 -complex -outdev line -outrate 48000 -realtime -outfihz 12000 -outline "Virtual Cable 1" -perspres 10
```

CPU load from ratemonkey is quite low compared to the Perseus software or Winrad and adding ``-console`` (= without GUI) in the command line options will even reduce it further. DRM decoding using the Perseus and ratemonkey is a lot more reliable and avoids occasional sync losses in DRM decoding as the output samplerate can be set to 48 kHz as required.

Results from Dream using the configuration as described above, on BBC&DW 5790 kHz from Skelton:



For further questions contact me by email: [simone\(at\)stoepplernet.de](mailto:simone(at)stoepplernet.de)