**7.2 Background noise signals**

Note: All Files are provided as 48 kHz files in wav format. They contain two 10 sec repetition of the noise in order to allow adaptation of signal processing.

**A: Automatically generated emergency calls**

**A1: Simulated emergency call noise scenario**

|  |  |  |  |
| --- | --- | --- | --- |
| Stationary car (parking on a highway parking place), engine off, all 4 windows open, passing vehicles | | |  |
| **Recording position** | **Level in dB(A)** \*\* | **File** **Name** |
| Driver left ear | 74.2 | A1\_Highway\_Drv.wav |
| Driver right ear | 68.0 |
| IVS microphone | 72.9 | A1\_Highway\_IVS.wav |

**A2: Simulated emergency call noise scenario**

|  |  |  |  |
| --- | --- | --- | --- |
| Stationary car (parking on a highway parking place), engine off, all 4 windows open, passing vehicles, additional voice babble from outside of the vehicle | | |  |
| **Recording position** | **Level in dB(A)** \*\* | **File** **Name** |
| Driver left ear | 74.3 | A2\_Highway\_Babble\_Drv.wav |
| Driver right ear | 69.1 |
| IVS microphone | 73.8 | A2\_Highway\_Babble\_IVS.wav |

**A3: spectrally adapted stationary noise to reproduce spectral content of scenario A1**

|  |  |  |  |
| --- | --- | --- | --- |
| White Gaussian noise filtered by the average spectrum derived from scenario A1  🡪A3\_WN\_A1SpecShape\_Drv|IVS.wav | | |  |
| **Recording position** | **Level in dB(A)** \*\* | **File** **Name** |
| Driver left ear | 74.2 | A3\_WN\_A1SpecShape\_Drv.wav |
| Driver right ear | 68.0 |
| IVS microphone | 72.9 | A3\_WN\_A1SpecShape\_IVS.wav |

**A4: Simulated emergency call noise scenario**

|  |  |  |  |
| --- | --- | --- | --- |
| stationary car (parking on a country road parking place), engine off, all 4 windows open, single passing vehicle | | |  |
| **Recording position** | **Level in dB(A)** \*\* | **File** **Name** |
| Driver left ear | 64.0 | A4\_CountryRd\_Drv.wav |
| Driver right ear | 58.1 |
| IVS microphone | 59.1 | A4\_CountryRd\_IVS.wav |

\*\* Level calculated from avg. spectrum (4096 Hanning window, 75% overlap) in the frequency range 50-20000 Hz