ANNEX II: APPENDIX A

CALIBRATION RECORD OF BASELINE NOISE MEASUREMENTS

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Abbreviations

Abbreviation	Definition
am	ante meridiem
dB	decibel
LAIeq	equivalent energy noise level in dBA
LAFmax	maximum time-weighted dBA sound level measured using fast time-weighting
LCpeak	maximum C-weighted peak sound level in dBC
LAFmin	minimum time-weighted dBA sound level measured using fast time-weighting
pm	post meridiem
R	receptor

A1   CALIBRATION RECORD

A1.1   Receptor 1

A1.1.1   Pre-measurement Calibration for Receptor 1

The pre-measurement calibration record for the Receptor (R)1 site is presented in Figure A1.1-1.

Figure A1.1-1   Pre-measurement Calibration Record for Receptor 1

Cursor: 07/28/2013 12:17:45 PM - 12:18:00 PM LAleq=93.9 dB LAFmax=93.9 dB LCpeak=101.6 dB LAFmin=93.8 dB

☑ LAleq   ☐ LAFmax   ☐ LCpeak   ☐ LAFmin

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A1.1.2   Post-measurement Calibration for Receptor 1

The post-measurement calibration record for the R1 site is presented in Figure A1.1-2.

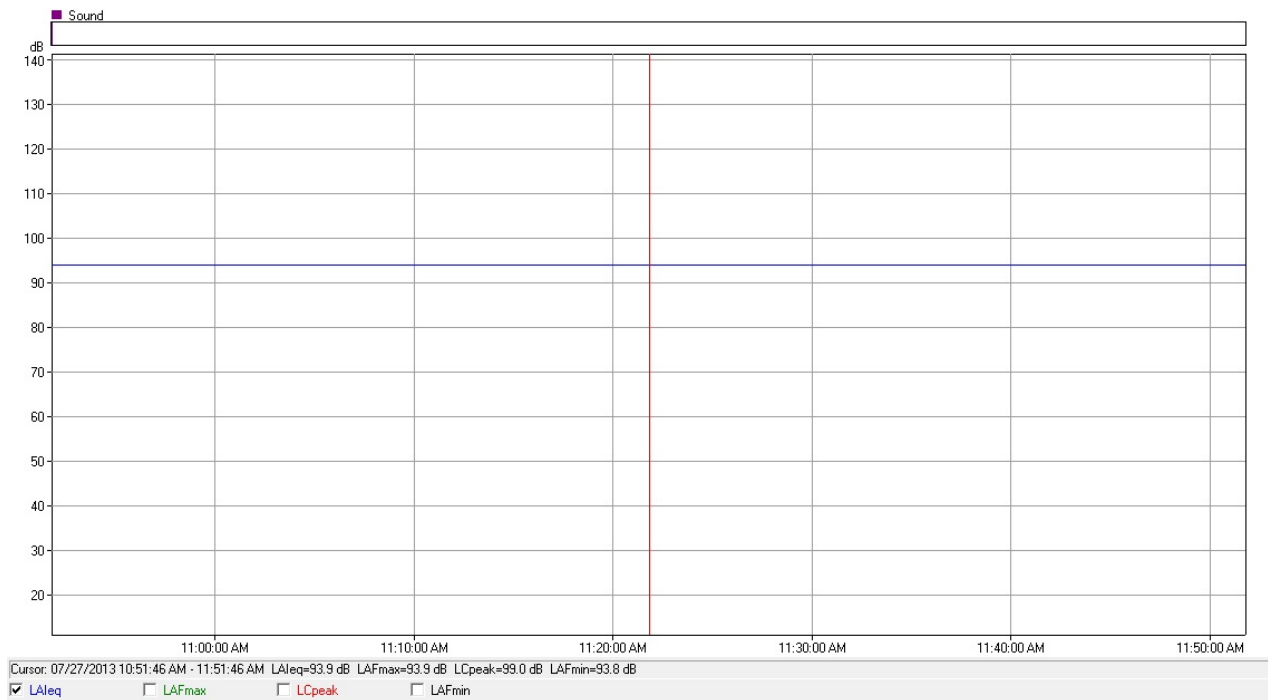**Figure A1.1-2   Post-measurement Calibration Record for Receptor 1**

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A1.2   Receptor 2

A1.2.1   Pre-measurement Calibration for Receptor 2

The pre-measurement calibration record for the R2 site is presented in Figure A1.2-1.

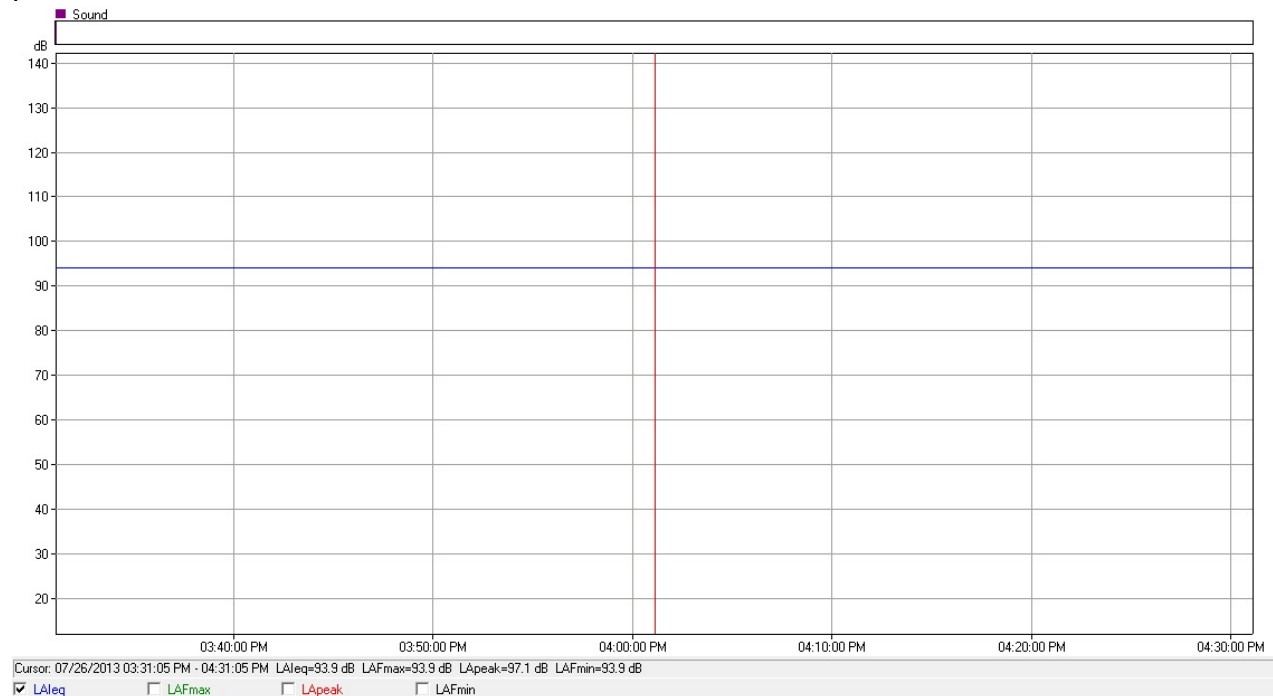**Figure A1.2-1   Pre-measurement Calibration Record for Receptor 2**

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A1.2.2   Post-measurement Calibration for Receptor 2

The post-measurement calibration record for the R2 site is presented in Figure A1.2-2.

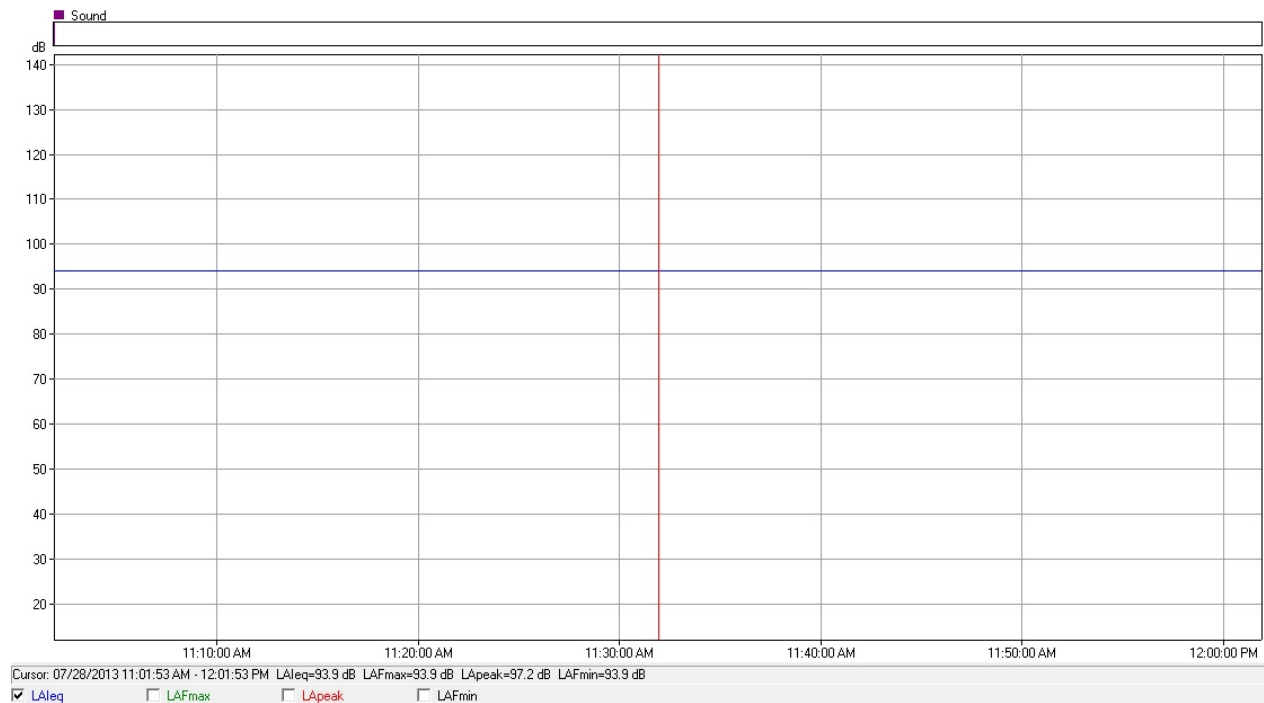**Figure A1.2-2   Post-measurement Calibration Record for Receptor 2**

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A1.3   Receptor 3

A1.3.1   Pre-measurement Calibration for Receptor 3

The pre-measurement calibration record for the R3 site is presented in Figure A1.3-1.

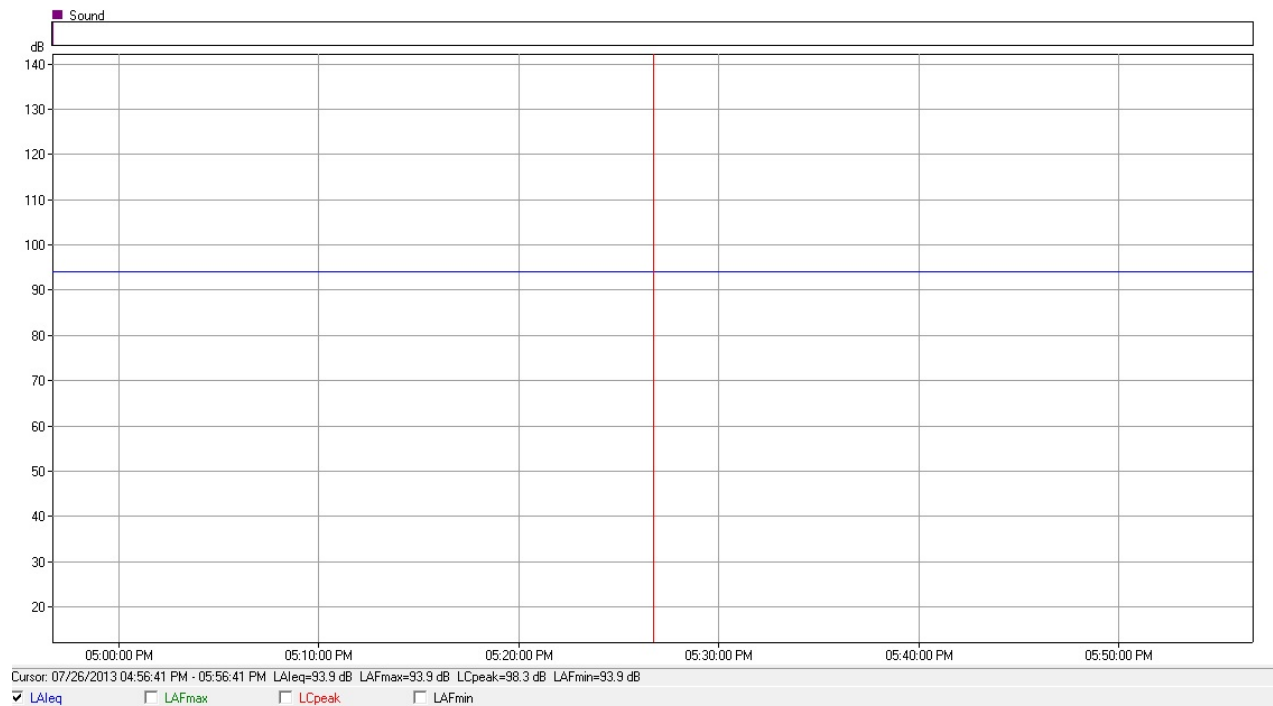**Figure A1.3-1   Pre-measurement Calibration Record for Receptor 3**

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A1.3.2   Post-measurement Calibration for Receptor 3

The post-measurement calibration record for the R3 site is presented in Figure A1.3-2.

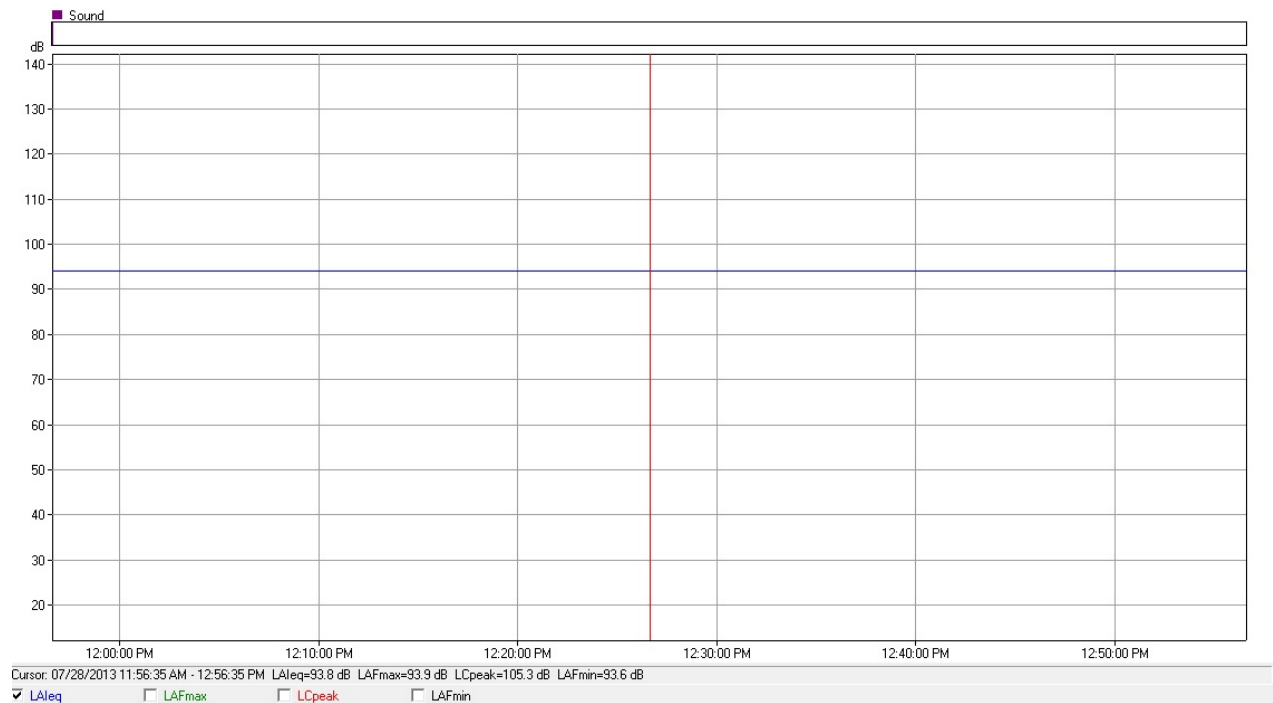**Figure A1.3-2   Post-measurement Calibration Record for Receptor 3**

LAleq = equivalent energy noise level in dBA; LAFmax = maximum time-weighted dBA sound level measured using fast-time weighting; LCpeak = maximum C-weighted peak sound level in dBC; LAFmin = minimum time-weighted dBA sound level measured using fast-time weighting.

A2   GLOSSARY

Term	Definition
A-weighting	A spectral or frequency weighting scheme applied to noise measurements to replicate the frequency response of the human auditory system.
C-weighting	A spectral or frequency weighting scheme that emphasizes low frequency content.
Decibel (dB)	The decibel (dB) is a measure, on a logarithmic scale, of the magnitude of a particular quantity (such as sound pressure level or sound power level) with respect to a standard reference value.
dBA	Decibel value obtained using A-weighting.
dBC	Decibel value obtained using C-weighting.
Fast time	Fast time refers to a specific sound level meter setting that establishes the time interval over which measured sound pressure levels are averaged. The fast time interval is equal to 125 milliseconds.
L_{AFmax}	Maximum sound pressure level measured using A-weighting and fast time interval settings on a sound level meter. This value represents the maximum sound pressure level present during a measurement.
L_{AFmin}	Minimum sound pressure level measured using A-weighting and fast time interval settings on a sound lever meter. This value represents the minimum sound pressure level present during a measurement.
L_{Cpek}	Maximum C-weighted peak sound pressure level present during a measurement.