Measurements and analysis of the traffic noise in Amman, Jordan and its effects

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ABSTRACT

This paper gives the measured values of the sound pressure level \( L_{10} \) resulting from traffic noise measurements over periods of 1 h and 18 h. These measurements were done daily over long and difficult periods, and at different periods and at different locations, in the greater Amman (Jordan) area. Measured values are presented versus the numbers of vehicles accounted for at the time of measurement. Comparisons between calculated and measured levels for both Amman and other cities are given. Annoyance, from the traffic noise, to the people living around the measurement sites is given in a percentage form.