

## FURTHER MEASUREMENTS FOR THE VALIDATION OF THE GROUND VIBRATION MODELS

An axisymmetric layered-ground mathematical model has been developed as part of the work on a larger model to predict the ground vibration from trains. This report assesses the validity of this model by comparing measured and calculated frequency response functions of the ground. Measurements were taken at five different sites, providing data on the variability of propagation characteristics, and the range of values of ground parameters between sites. Good agreement between the measured and calculated result is obtained.