



Remarks: FDL unit is converted from *lb/ft*^{0.5} to metric by adding 18.1dB. Train set is adjusted from 7 cars to 8 cars by adding 0.6dB.

[Conversion Step of FDL from unit lb/ft0.5 to N/m0.5:

- Conversion of lbf to $N = x 0.4536 \times 9.81$
- Conversion of ft to m = x 0.3048
- Conversion of lbf/ft^0.5 to N/m^0.5 = +20 x log[(0.4536 x 9.81)/(0.3048^0.5)] = 18.1dB

Conversion of 7 cars to 8 cars: $10 \times \log(8/7) = 0.6$ dB]