

From Icon help file

Acoustic & Vibration Specifications

The following conditions must be met in order to guarantee published system noise specifications:

Vibration

The prepared site should not exceed vibration criteria D (VC-D) in any direction, vertical or horizontal, to achieve the specified performance (see [Figure 1](#)). Frequency domain analysis is the analysis methodology used for the following vibration criteria plot. The following criteria are included in the frequency domain analysis of the following vibration criteria plot:

- 1/3 Octave analysis with one second filter time constant
- Exponential averaging

The vibration criteria plot details the vibration criteria for sensitive equipment in buildings and demonstrates velocity versus frequency using 1/3 octave analysis. The plot details the allowable amplitude as a function of frequency. Amplitude is given in terms of RMS value.

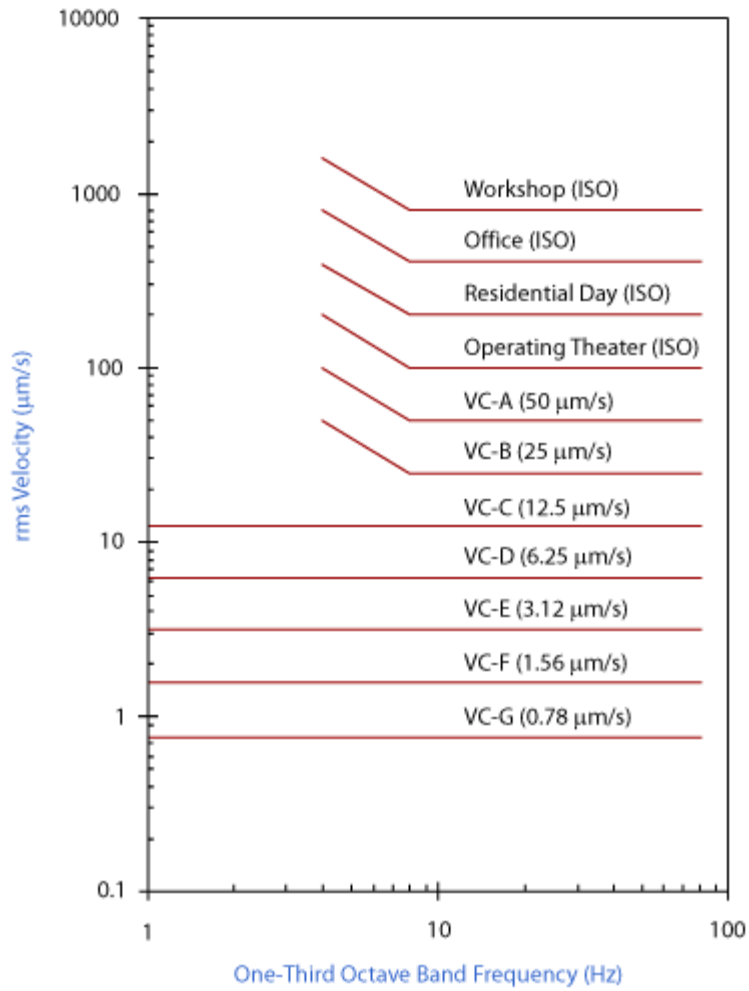


Figure 1: Vibration criteria plot

Acoustic

When used with an AVH-1000 acoustic hood, acoustic noise should not exceed 85 dBC (Note “C” weighting).