

### 4.15.1: Introduction

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Room resonance modes can produce wide variations in bass response depending on the listener's position. Peak-to-valley variation can exceed 10 dB which is clearly audible to even casual listeners. Generally, maximums will occur along wall, floor and ceiling boundaries, especially in the corners where these boundaries meet. The precise locations of peaks and valleys will depend on the room size, shape and construction; as well as the frequency being tested.

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