

**Appendix F**  
**Noise**

**Kingsbridge Armory Live Event Venue Noise Analysis**  
**Source Sound Spectrum**

Frequency (Hz)	Measured Leq (dB)	Adjusted Leq (dB)*
31.5	96.7	101.7
40	115.0	120.0
50	113.5	118.5
63	106.3	111.3
80	94.4	99.4
100	92.3	97.3
125	89.6	94.6
160	89.0	94.0
200	83.6	88.6
250	83.9	88.9
315	87.7	92.7
400	92.5	97.5
500	92.1	97.1
630	92.3	97.3
800	93.7	98.7
1000	94.4	99.4
1250	91.6	96.6
1600	89.9	94.9
2000	87.1	92.1
2500	84.8	89.8
3150	83.0	88.0
4000	80.8	85.8
A-weighted	100.8 dBA	105.8 dBA

*\*5 dB added to level in each 1/3-octave band bringing measured L<sub>max</sub> to 110 dBA to match "Rock Concert" level in CEQR Technical Manual Table 19-1.*

Apply composite 1/3-octave band transmissison loss for building envelope to source levels above and determine difference in A-weighted L<sub>eq</sub> between inteiror and exterior. Compare difference to requiements in FEIS Table 16-11.