

Redemption Bible Church
Audio Volume Policy
March 2023

We shall operate at levels lower than OSHA allowable exposure levels, and shall be in compliance with metering, logging, and action requirements to ensure a safe environment. This shall also realm truth for Production staff and volunteers, who are exposed to 200% to 500% more duration than an attendee, with 2 weekend services, with their associated sound checks, line checks, and rehearsals.

It is important to be aware of different weighting curves used to measure SPL. We measure in dBA-slow, or “A-weighted, slow response”. The other most common weighting curve you will see is dBC, or “C-weighted”.

- dBC weighting measures loudness in the full spectrum, 20hz-20khz.
- dBA weighting excludes the low-end content. So a dBA measurement will read lower than a dBC measurement, but will be more accurate in the damaging high frequencies.

Maximum levels shall be limited to 90dB(A)-slow and 100dB(C)-fast*. Preferred Level is 89dB(A) - Fast.

For any typical service, (1-hour) shall be below a safe 94dB(A)-slow**

For Reference (as measured at FOH):

Worship Center worship services average 89.95dB (A) fast for 2022***

The Congregation alone can reach level of 80dB(A) slow

*10dB lower than OSHA allowable noise exposure levels for 30 minutes

**11dB lower than OSHA allowable noise exposure for 1 hour

***Data available upon request