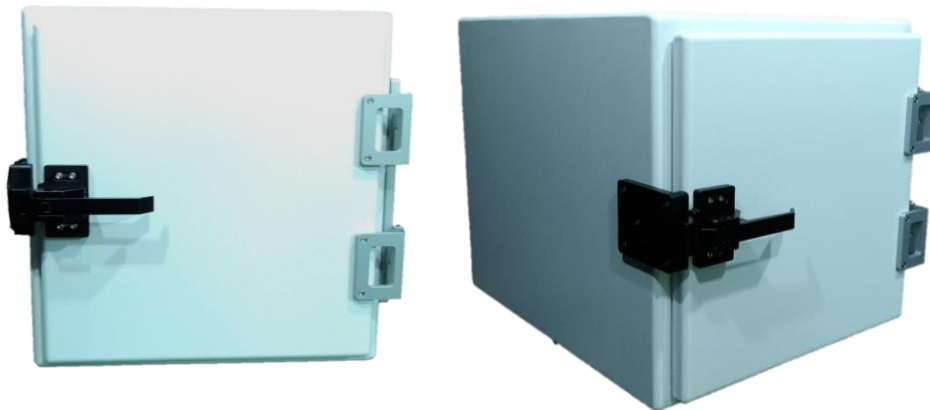


OBO Pro.2 AC420 Anechoic Chamber

Introduction :

This chamber provides a reliable and stable test environment for speakers, microphones, earphones, Mobile-phone and Notebook. It also provides I/O control port to automate plug/unplug audio jack.

This is manual opening and closing for R&D engineering development.



Features:

- High isolation against background noise.
- Uniform sound field across the measurement plane.
- Sound Isolation Ability: >30dB(A-Weighting) SPL ref. 20uPa
- Customization Fixture

Specification:

Outside Dimension:	L:521mm * W:420mm * H:420mm
Inside Dimension:	L:470mm * W: 363mm * H: 355mm
Net Weight:	~ 25Kg
Construction:	Aluminum
Power Request:	N/A
Sound Isolation Ability:	>30dB(A-Weighting) SPL ref. 20uPa
Operating Working Space:	~ 1000mm (L) X 1000mm (W)

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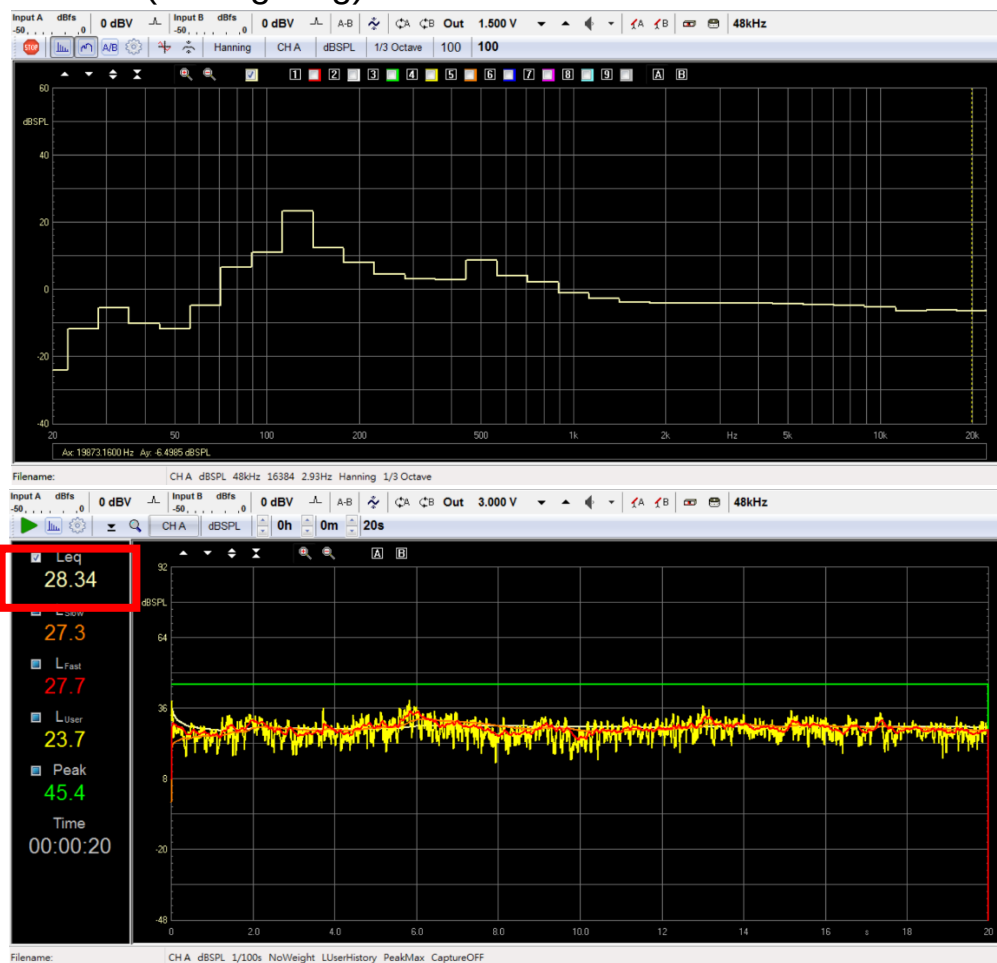
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1. Purpose: Measure the chamber specification

2. Specification:

2.1 Background Noise(Outside ≤ 50 dBA)	≈ 30 dBA
2.2 Acoustical Isolation Ability	≥ 30 dBA
2.3 Chamber Outside Size	D:521mm * W:420mm * H:420mm
2.4 Chamber Inside Size	D:470mm * W:363mm * H:355mm

3. Measurement Item:

3.1 (1)Anechoic Chamber Inside Noise dB(SPL) re. 20uPa, (A-weighting)
 $\geq$ **28.34** dBSPL(A-weighting)

Test and Measurements Report

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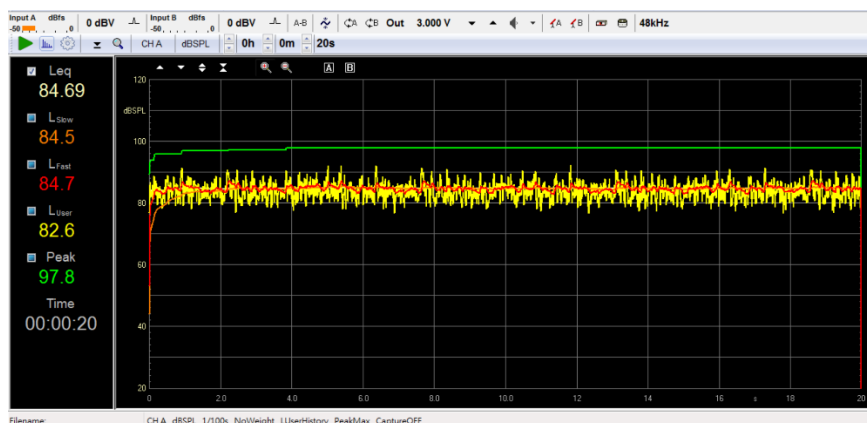
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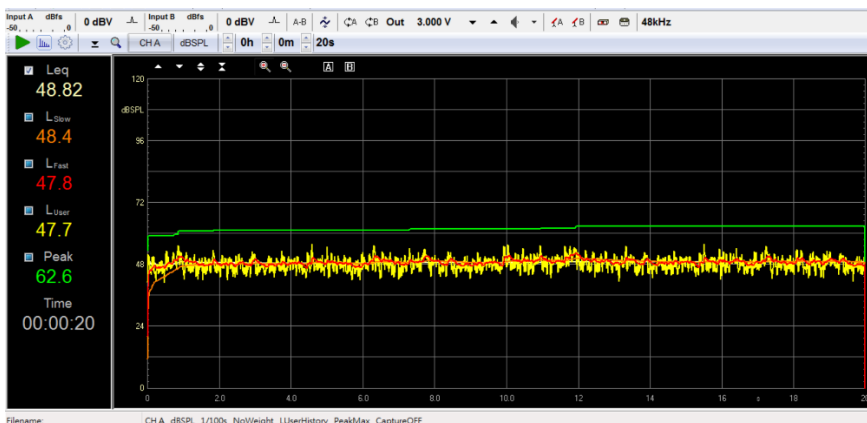
3.2 Acoustical Isolation Ability

$$84.69 \text{ dB} - 48.82 \text{ dBA} = 35.87 \text{ dBA} \geq 30 \text{ dBA}$$

A. Reference Sound Source Pink Noise Spectrum Level **84.69 dB**



B. Close Door Inside Background Noise Level **48.82 dBA**



C. 1/3 Octave pure tone isolation ability

