'IJ PA' DICH SAM: CHUS JAN LAN, JAN CHOH, 'EJ HOCH JAJ QAH

'lj pa' DIch Sam: chuS jan lan, jan choH, 'ej Hoch jaj QaH

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Journal of Equatorial Audio Science, 2025.

ngoD

'lj pa' reference -- static pat Qo'. tuj -- chuS jan Devwl' compliance 'ej crossover choH. bIQ -- wab velocity 'ej absorption choH. pressure -- diaphragm rest choH. vibration -- low-Sar mIgh. pe'meH He -- RF spectrum. 3 DIS 4 'lj pa' pIm latitude -- Hoch variable 'eSorghlu'. QaH burden 20-45 min 'lj session Hoch.

1. NGOQ

Hoch audiophile Sov -- pat jaj pIm wab pIm. psychological explain motlh. physical explain -- lugh law'. 'lj Dat choH, jan choH -- 'eSorghlu'.

wej DIS loS 'lj pa': Quito, Zurich, Nashville, Sapporo. tuj, bIQ, pressure, vibration, pe'meH He sensors 1-second interval.

2. CHUS JAN LAN

chuS jan lan rectangular pa' -- modal analysis, 'eSorghwl', fix. 'ach vIH.

thermal expansion -- chuS jan 0.3 mm/degC concrete, 1.2 mm/degC timber. 15degC DIS choH -- timber 18 mm vIH.

Nashville pa' (timber) DIS wa' -- chaH chuS jan 14.3 mm rear, nIH 11.7 mm rear. inter-chuS jan distance 5.9 mm choH -- stereo image 1.4deg shift.

3. TUJ WANI' ELECTRONICS

crossover polypropylene capacitor (-200 ppm/degC), ferrite inductor (+800-2000 ppm/degC). 10degC -- crossover Sar 0.2-0.5% shift. 3 kHz crossover 6-15 Hz shift -- phase choH -- 'lj Daq Sar jang 0.8 dB choH.

amplifier bias drift -- Class A/B 25degC vo' 58degC -- THD 0.0042% vo' 0.0019%. H2:H3 ratio 3.2:1 vo' 4.7:1.

practical: 60 min warm-up pa'logh 'lj. pa' tuj +/-0.5degC stable.

4. JA'CHUQ

bIQ -- wab velocity choH -- reflections arrival poH choH -- pa' impulse response choH.

absorption -- 50% RH 0.006 dB/m 4 kHz, 20% RH 0.011 dB/m -- nearly double. Nashville RT60 4 kHz law' -- 0.28s (summer 65% RH) vo' 0.22s (winter 25% RH) -- 21% DIS choH.

40-55% RH maintain. Quito -- 45-50% RH DIS naQ -- yoq altitude advantage.

5. BERTLHAM

'lj pa' reference -- dynamic pat -- tuj, bIQ, vibration, pe'meH He, chuS jan lan -- taH drift. uncorrected -- 1 dB law' Sar jang choH. QaH mIw 15-45 min session Hoch. meq potlh -- pa' Dat inherent stability. tuj +/-0.5degC, bIQ 40-55% RH, vibration isolation, pe'meH yoD, chuS jan lan verify. Hoch lugh. Hoch frequently neglect.

DE'MEY

[1] F. A. Everest, K. C. Pohlmann, Master Handbook of Acoustics, 6th ed., 2015.

[2] H. Park, M. Ferro, C. Ohm, "Ferroelectric coupling PTFE," 2022.

[3] IEC 60268-13:1998.