

McIntosh MC275 power amplifier:

https://www.stereophile.com/tubepoweramps/mcintosh_mc275_power_amplifier/index.html

Description: Two-channel, tubed stereo (switchable to parallel mono operation) power amplifier. Tube complement: four KT88, three 12AX7A, four 12AT7. Inputs: 1 pair single-ended (RCA), 1 pair balanced (XLR). Loudspeaker outputs: separate gold-plated, 5-way binding posts for 4, 8, and 16 ohms. Preamp output: 1 pair single-ended (RCA). Inputs: 1 pair balanced (XLR), 1 pair single-ended (RCA). Output power: 75Wpc (18.8dBW) into 4, 8, or 16 ohms (stereo), 150W into (21.8dBW) 2, 4, or 8 ohms (mono). Frequency response: 20Hz–20kHz, +0/–0.5dB; 10Hz–70kHz, +0/–3dB. Signal/noise ratio: 100dB, A-weighted (no reference level given). THD: 0.05% at any power level from 250mW to rated power output. Input sensitivity: 1.2V unbalanced, 2.5V balanced. Input impedance: 90k ohms unbalanced, 180k ohms balanced. Damping factor: >14 (wideband). Power consumption: 170W (idle), 360W (full power).

Dimensions: 16.5" (420mm) W by 8.25" (210mm) H by 12" (305mm) D. Weight: 67 lbs (30.5kg) net, 75 lbs (34.1kg) shipping.

Serial Number Of Unit Reviewed: WV3092.

Price: \$4500. Warranty: 3 years parts & labor, 90 days tubes.

Manufacturer: McIntosh Laboratory, 2 Chambers Street, Binghamton, NY

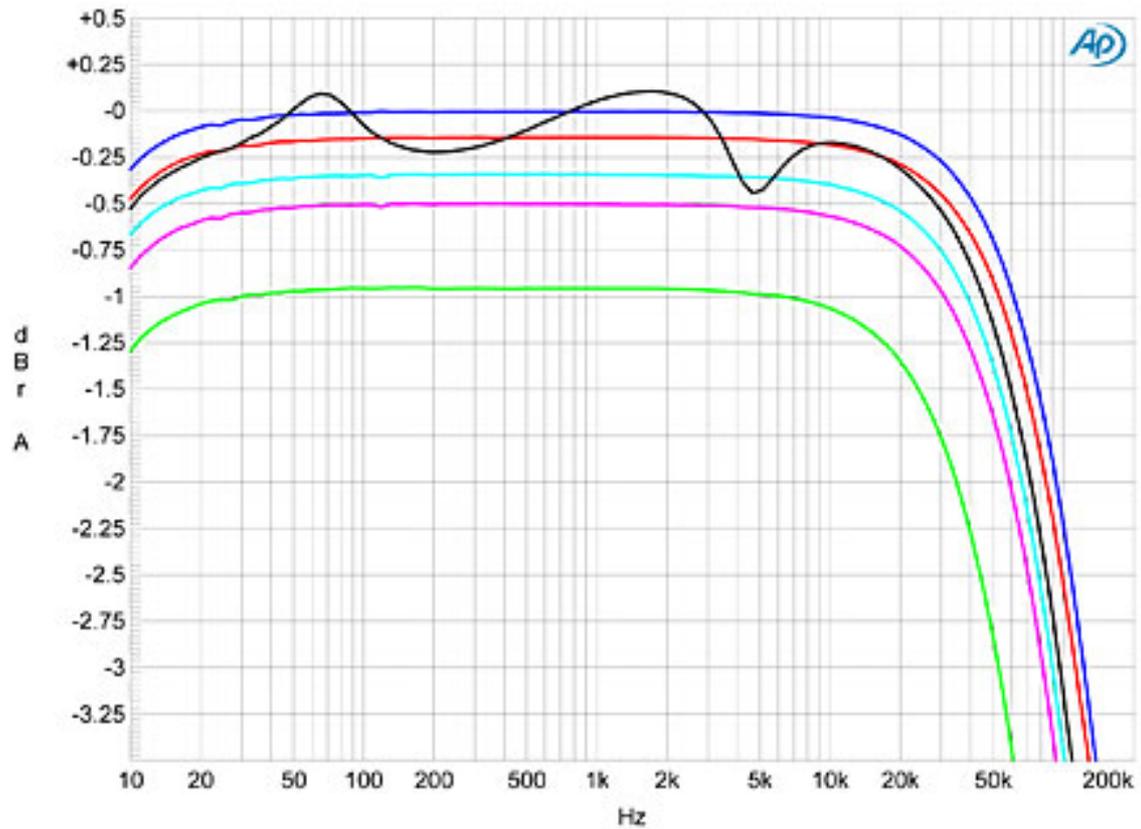


Fig.2 McIntosh MC275, 4 ohm output tap, frequency response at 2.83V into: simulated loudspeaker load (gray), 8 ohms (left channel blue, right red), 4 ohms (left cyan, right magenta), 2 ohms (green). (1dB/vertical div.)

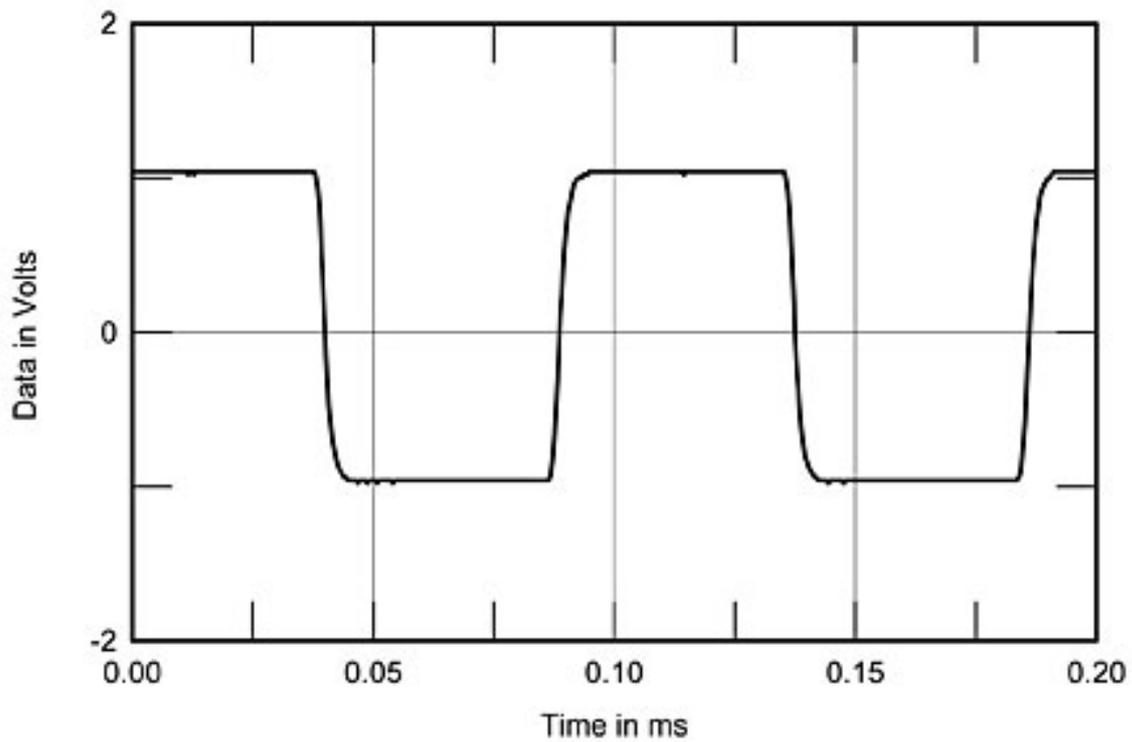


Fig.5 McIntosh MC275, 4 ohm output tap, small-signal 10kHz squarewave into 8 ohms.

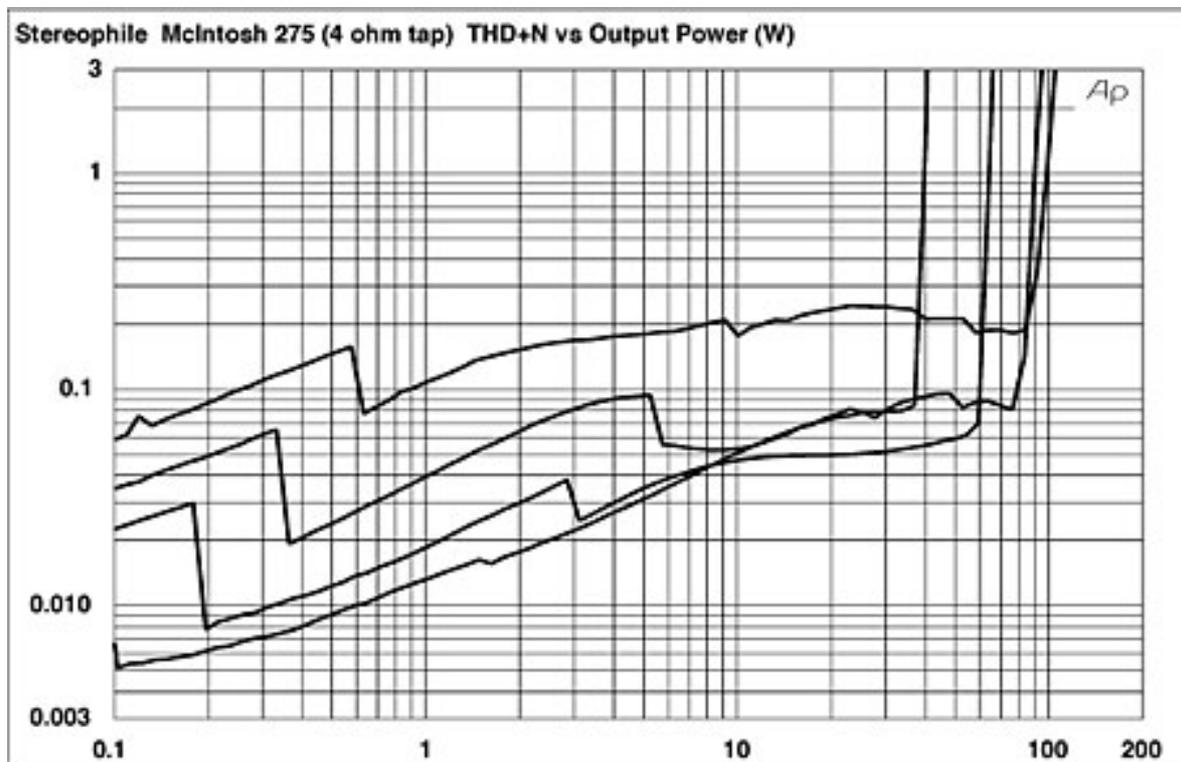


Fig.6 McIntosh MC275, 4 ohm output tap, distortion (%) vs 1kHz continuous output power into (from bottom to top): 16, 8, 4, 2 ohms.

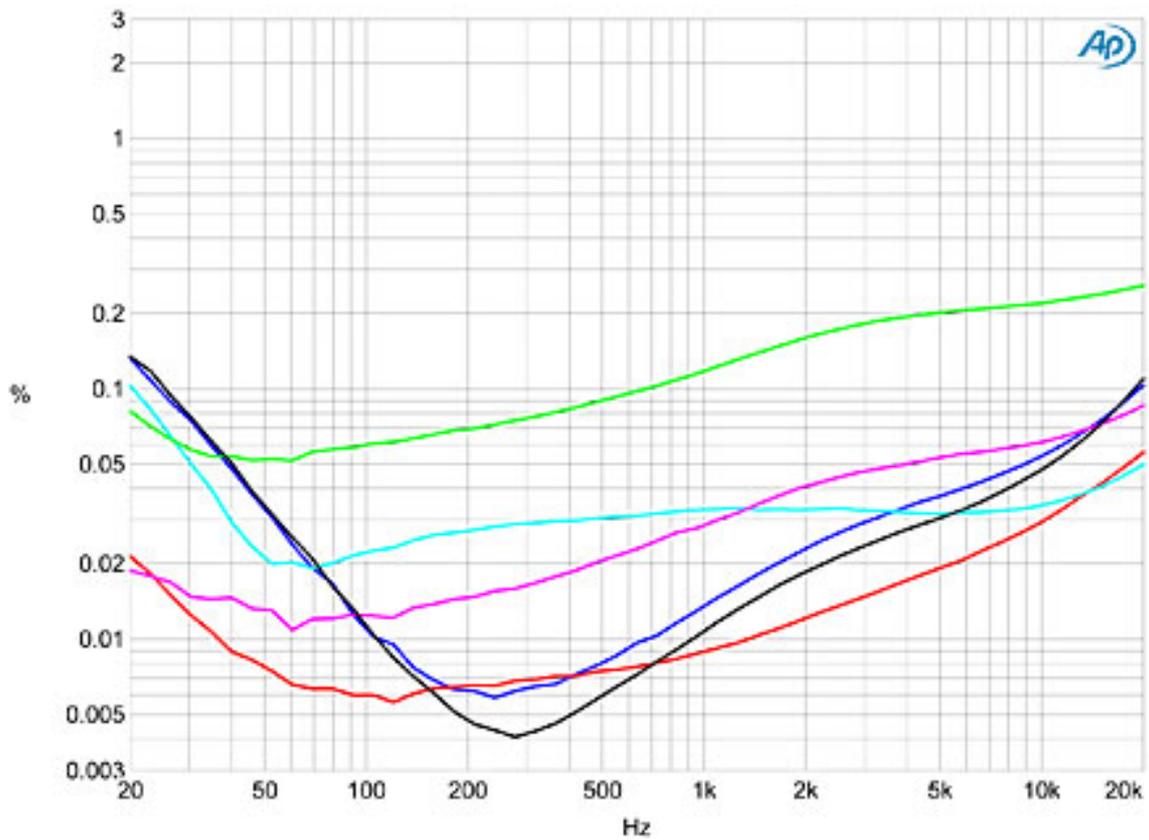


Fig.9 McIntosh MC275, 4 ohm output tap, THD+N (%) vs frequency at 2.83V into: 8 ohms (left channel blue, right red), 4 ohms (left cyan, right magenta), 2 ohms (green).

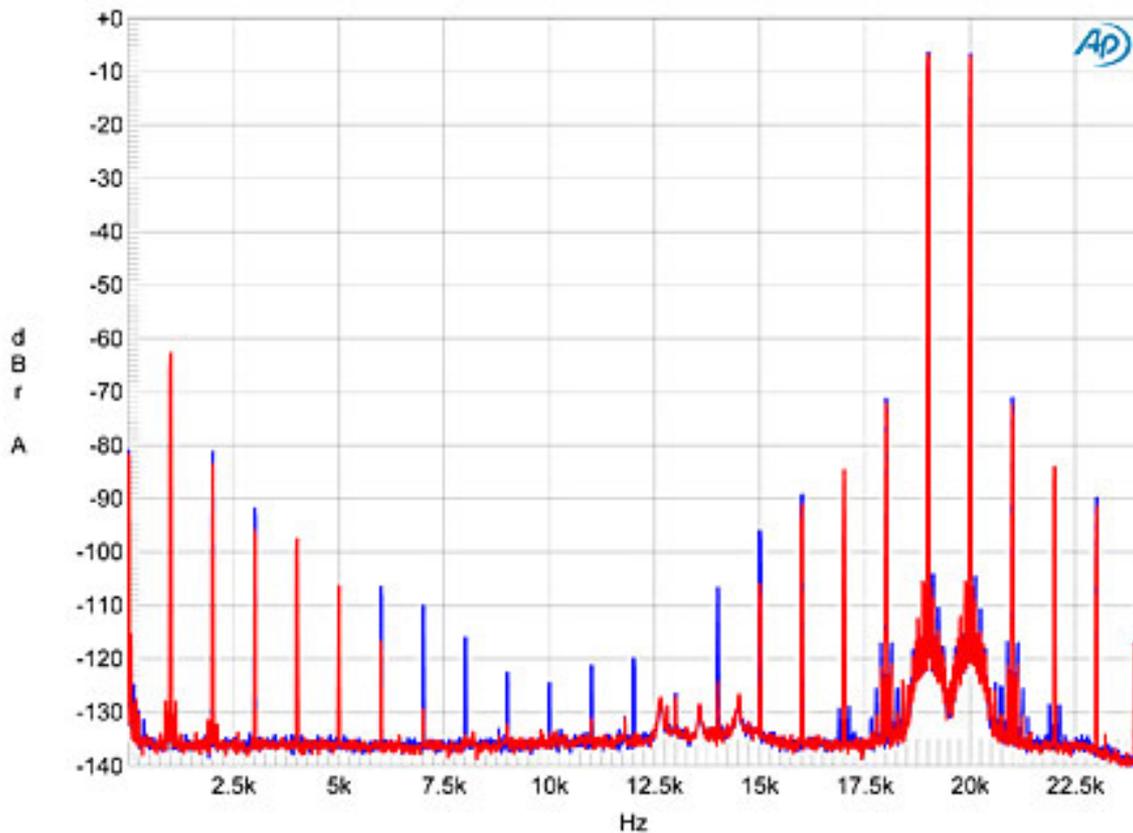


Fig.13 McIntosh MC275, 4 ohm output tap, HF intermodulation spectrum, DC–24kHz, 19+20kHz at 24W peak into 4 ohms (linear frequency scale). As I said, it is difficult to believe from its measured performance that the McIntosh MC275 was designed almost half a century ago (by a team led by company cofounder Sidney Corderman, footnote 1). Good audio engineering is timeless.—**John Atkinson**