Avid

Measurement Report

DATE Sunday, 8 November 2026 at 17:32

INPUT USB Audio CODEC

MEASUREMENTS

Channel balance	L-R +0.43 dB
Playback RPM	33.20 RPM • -0.39% vs 33 1/3 • Settled min 33.07 RPM • Settled max 33.31 RPM • Span 0.24 RPM
DIN-shaped wow & flutter RMS	0.059%
Raw speed variation	Unweighted RMS ±0.210% • 2-sigma ±0.420%
Raw wow/flutter components	Unweighted wow RMS 0.199% • Unweighted flutter RMS 0.061%
1 kHz Electrical Crosstalk	L→R -39.7 dB • R→L -35.5 dB • Balance 4.27 dB • Avg separation 37.6 dB
Distortion diagnostics	L 0.59% THD • R 0.64% THD • THD L-R -0.05 pp • H2 R 0.7 dB higher • H3 R 2.6 dB higher
Harmonic reliability	The right channel's third harmonic changed most during recording. Repeat before changing the cartridge setup.
Harmonic profile	L 2nd -44.7 dB • 3rd -66.6 dB • 4th -70.6 dB • 5th -71.3 dB | R 2nd -43.9 dB • 3rd -64.0 dB • 4th -64.9 dB • 5th -68.7 dB
Further investigation	A large L/R difference was observed in crosstalk. Check routing and gain, then repeat the capture. If the difference persists, investigate with General Reference Level and 1 kHz channel suite in Groove Scope Studio, using the matching test records.