DSR

info@directsoundrecords.com • +44 (0) 7831 542056

Tracking ability / anti-skate

Measurement 8 Nov 2026 at 17:26

Issued 9 November 2026 at 10:09 · ID: EEA0D2B0-2700-4872-9520-CF84E9423D57

Date: Sunday, 8 November 2026 at 17:26

Input: USB Audio CODEC · Direct interface

Format: Stereo analysis (input channels 1–2) · 2-channel input stream · 48,000 Hz

Tracking measurements

Retained measurement status: Complete

Clean through 100 µm; first failed step 80 µm.

Measurement	Value
Highest passed	100 µm
First failed	80 µm

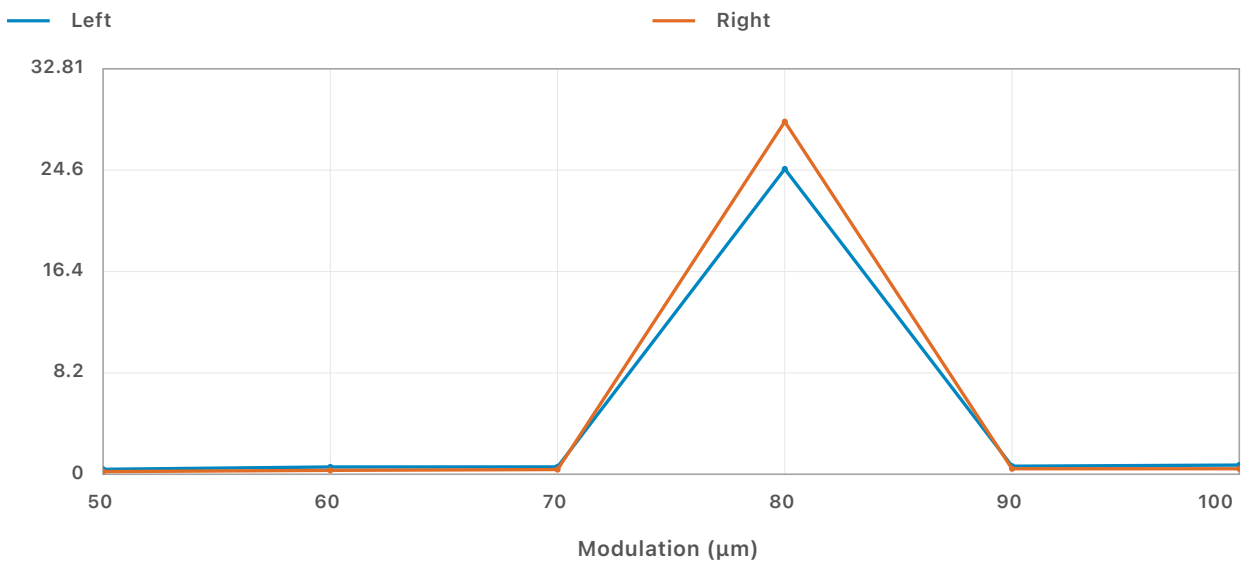
Ladder results

Original pass/fail labels retain the criterion used when this result was analysed. Missing bands and channels remain unavailable.

Band (µm)	Stored THD	Left THD	Right THD	Evaluation
50	0.402 %	0.40169%	0.21493%	CLEAN
60	0.589 %	0.58943%	0.31536%	CLEAN
70	0.595 %	0.59521%	0.38103%	CLEAN
80	28.526 %	24.70041%	28.52627%	SEVERE
90	0.652 %	0.65234%	0.44435%	CLEAN
100	0.744 %	0.74373%	0.44493%	CLEAN

Each point is a retained channel measurement. Connections are visual guides; partial ladders show individual points without bridging missing bands.

Ladder distortion

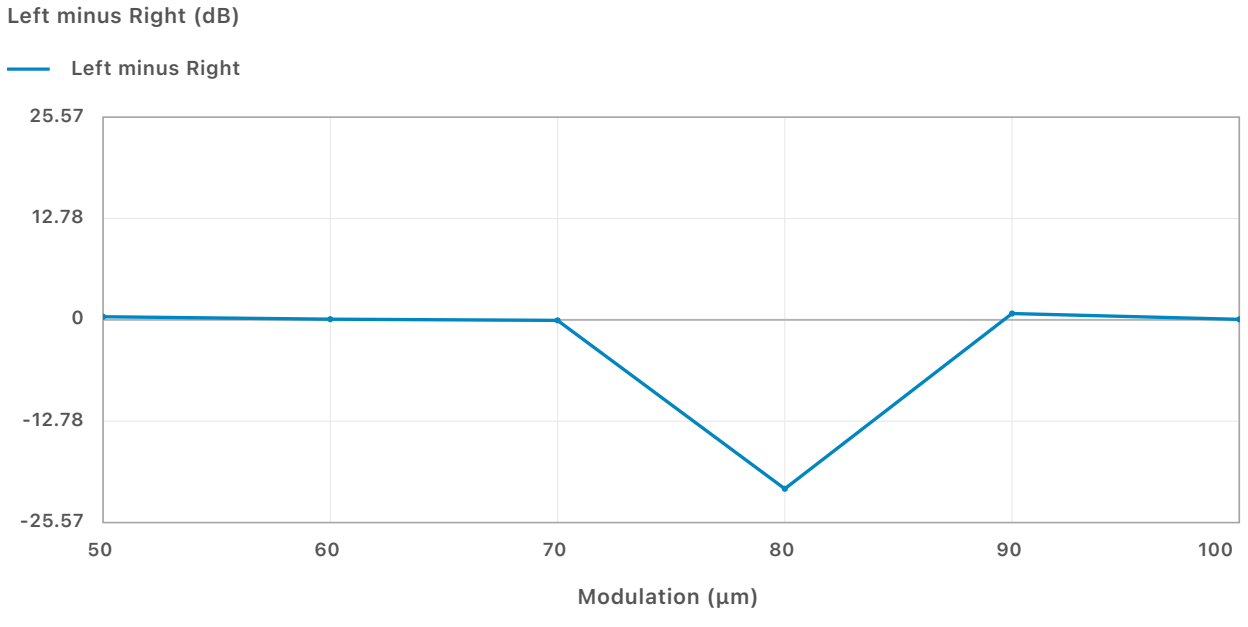


Channel balance

Level difference is shown separately in dB. It does not share the distortion percentage axis. Positive values indicate Left above Right.

Band (µm)	50	60	70	80	90	100
L-R (dB)	+0.392	+0.084	-0.067	-21.304	+0.797	+0.064

Ladder channel balance



Band diagnostics

Carrier and spectral values are retained separately for each band and channel. H1 is a phase-selective fitted peak level in dBFS. Noise is relative to the fitted fundamental.

Band / channel / source	Carrier	H1 level	THD / THD+N	H4-H6	Noise
50 µm · Left FFT peak	313.726 Hz	-39.795 dBFS	0.40169% / 438.71418%	0.02483%	12.844 dB
50 µm · Right FFT peak	313.724 Hz	-40.188 dBFS	0.21493% / 447.55771%	0.04797%	13.017 dB
50 µm · Mono FFT peak	313.725 Hz	-39.992 dBFS	0.28180% / 442.85803%	0.02283%	12.925 dB
60 µm · Left FFT peak	313.814 Hz	-38.026 dBFS	0.58943% / 452.78011%	0.05708%	13.118 dB
60 µm · Right FFT peak	313.811 Hz	-38.110 dBFS	0.31536% / 445.12684%	0.06568%	12.970 dB
60 µm · Mono FFT peak	313.813 Hz	-38.071 dBFS	0.41004% / 448.84872%	0.02835%	13.042 dB
70 µm · Left FFT peak	313.832 Hz	-40.649 dBFS	0.59521% / 739.85505%	0.05017%	17.383 dB
70 µm · Right FFT peak	313.830 Hz	-40.582 dBFS	0.38103% / 716.04052%	0.05793%	17.099 dB
70 µm · Mono FFT peak	313.831 Hz	-40.618 dBFS	0.45254% / 727.68587%	0.02761%	17.239 dB
80 µm · Left FFT peak	314.418 Hz	-106.268 dBFS	24.70041% / 16395.31841%	12.46389%	44.294 dB
80 µm · Right FFT peak	313.715 Hz	-84.955 dBFS	28.52627% / 1059.89526%	4.03704%	20.505 dB
80 µm · Mono FFT peak	313.815 Hz	-89.365 dBFS	25.02646% / 1133.32734%	4.80727%	21.086 dB
90 µm · Left FFT peak	313.637 Hz	-44.106 dBFS	0.65234% / 1258.70505%	0.08239%	21.998 dB
90 µm · Right FFT peak	313.635 Hz	-44.903 dBFS	0.44435% / 1349.96878%	0.12624%	22.606 dB
90 µm · Mono FFT peak	313.636 Hz	-44.499 dBFS	0.52678% / 1302.10778%	0.04764%	22.293 dB
100 µm · Left FFT peak	313.779 Hz	-33.529 dBFS	0.74373% / 392.86577%	0.06275%	11.885 dB

Band diagnostics - continued

Band / channel / source	Carrier	H1 level	THD / THD+N	H4-H6	Noise
100 µm · Right FFT peak	313.777 Hz	-33.593 dBFS	0.44493% / 387.52854%	0.07803%	11.766 dB
100 µm · Mono FFT peak	313.778 Hz	-33.560 dBFS	0.53650% / 389.93162%	0.04293%	11.820 dB

Harmonic profile

Each cell shows amplitude percentage followed by dBc, relative to that channel's H1. Percentage = 100 × 10^(dBc / 20) when only a retained dBc value is available.

Band / channel	H2 % / dBc	H3 % / dBc	H4 % / dBc	H5 % / dBc	H6 % / dBc
50 µm · Left	0.39757% -48.012 dBc	0.05169% -65.731 dBc	0.01392% -77.124 dBc	0.00886% -81.053 dBc	0.01856% -74.630 dBc
50 µm · Right	0.17118% -55.331 dBc	0.12080% -58.359 dBc	0.04161% -67.617 dBc	0.01892% -74.461 dBc	0.01457% -76.732 dBc
50 µm · Mono	0.26757% -51.451 dBc	0.08541% -61.370 dBc	0.01849% -74.660 dBc	0.01211% -78.339 dBc	0.00572% -84.847 dBc
60 µm · Left	0.58071% -44.721 dBc	0.08333% -61.584 dBc	0.04288% -67.355 dBc	0.02338% -72.623 dBc	0.02954% -70.593 dBc
60 µm · Right	0.27597% -51.183 dBc	0.13777% -57.217 dBc	0.05842% -64.669 dBc	0.02706% -71.355 dBc	0.01301% -77.717 dBc
60 µm · Mono	0.39620% -48.042 dBc	0.10175% -59.850 dBc	0.01730% -75.237 dBc	0.01877% -74.530 dBc	0.01234% -78.177 dBc
70 µm · Left	0.58209% -44.700 dBc	0.11375% -58.881 dBc	0.04009% -67.939 dBc	0.01109% -79.101 dBc	0.02805% -71.040 dBc
70 µm · Right	0.32094% -49.872 dBc	0.19703% -54.109 dBc	0.05043% -65.947 dBc	0.02590% -71.733 dBc	0.01193% -78.469 dBc
70 µm · Mono	0.42440% -47.445 dBc	0.15465% -56.213 dBc	0.01856% -74.630 dBc	0.01482% -76.581 dBc	0.01408% -77.026 dBc
80 µm · Left	18.77248% -14.530 dBc	10.11711% -19.899 dBc	9.08386% -20.835 dBc	6.40211% -23.874 dBc	5.64313% -24.970 dBc
80 µm · Right	27.27770% -11.284 dBc	7.30599% -22.726 dBc	2.36263% -32.532 dBc	2.54666% -31.881 dBc	2.05674% -33.736 dBc
80 µm · Mono	23.47053% -12.590 dBc	7.23520% -22.811 dBc	3.45486% -29.231 dBc	2.54258% -31.895 dBc	2.17006% -33.271 dBc
90 µm · Left	0.63146% -43.993 dBc	0.14148% -56.986 dBc	0.06910% -63.211 dBc	0.02363% -72.531 dBc	0.03815% -68.370 dBc

Harmonic profile - continued

Band / channel	H2 % / dBc	H3 % / dBc	H4 % / dBc	H5 % / dBc	H6 % / dBc
90 µm · Right	0.38440% -48.304 dBc	0.18370% -54.718 dBc	0.11565% -58.737 dBc	0.04005% -67.949 dBc	0.03098% -70.178 dBc
90 µm · Mono	0.49998% -46.021 dBc	0.15887% -55.979 dBc	0.03516% -69.078 dBc	0.02697% -71.382 dBc	0.01748% -75.149 dBc
100 µm · Left	0.72923% -42.743 dBc	0.13199% -57.589 dBc	0.04156% -67.627 dBc	0.02917% -70.700 dBc	0.03687% -68.666 dBc
100 µm · Right	0.36245% -48.815 dBc	0.24597% -52.182 dBc	0.06528% -63.704 dBc	0.03722% -68.586 dBc	0.02103% -73.543 dBc
100 µm · Mono	0.50084% -46.006 dBc	0.18749% -54.541 dBc	0.03356% -69.484 dBc	0.02132% -73.425 dBc	0.01619% -75.815 dBc

Capture intervals and temporal coverage

Intervals refer to the retained original ladder capture; window counts describe stored temporal evidence, not new analysis.

Band (µm)	Extracted interval	Window / hop	Retained windows
50	1.891 to 11.589 s	250.0 ms / 125.0 ms	Left 31 · Right 31 · Mono 31
60	17.672 to 27.248 s	250.0 ms / 125.0 ms	Left 31 · Right 31 · Mono 31
70	33.331 to 43.029 s	250.0 ms / 125.0 ms	Left 31 · Right 31 · Mono 31
80	46.000 to 46.800 s	250.0 ms / 125.0 ms	Left 5 · Right 5 · Mono 5
90	48.914 to 59.006 s	250.0 ms / 125.0 ms	Left 31 · Right 31 · Mono 31
100	64.584 to 73.856 s	250.0 ms / 125.0 ms	Left 31 · Right 31 · Mono 31

Temporal distortion summaries

All robust statistics are percentages of H1. MAD describes variation; it is not a confidence interval.

Band / channel	THD	H4-H6	Robust H1 median
50 µm · Left	Median 0.48840% P5 / P95 0.41983% / 0.57062% Min / max 0.40092% / 0.58329% MAD 0.03831%	Median 0.02978% P5 / P95 0.01775% / 0.04884% Min / max 0.01598% / 0.06281% MAD 0.00411%	-26.753 dBFS
50 µm · Right	Median 0.27331% P5 / P95 0.21834% / 0.33000% Min / max 0.19517% / 0.34958% MAD 0.02769%	Median 0.06943% P5 / P95 0.04865% / 0.10014% Min / max 0.04765% / 0.11704% MAD 0.01175%	-26.986 dBFS

Temporal distortion summaries - continued

Band / channel	THD	H4-H6	Robust H1 median
50 µm · Mono	Median 0.35989% P5 / P95 0.30182% / 0.41671% Min / max 0.29389% / 0.42228% MAD 0.03969%	Median 0.02891% P5 / P95 0.01870% / 0.03824% Min / max 0.01722% / 0.04040% MAD 0.00514%	-26.871 dBFS
60 µm · Left	Median 0.64875% P5 / P95 0.59972% / 0.74830% Min / max 0.57812% / 0.76913% MAD 0.03783%	Median 0.05468% P5 / P95 0.03367% / 0.12811% Min / max 0.02614% / 0.13148% MAD 0.01563%	-24.729 dBFS
60 µm · Right	Median 0.37573% P5 / P95 0.28088% / 0.44050% Min / max 0.26446% / 0.45051% MAD 0.05182%	Median 0.08781% P5 / P95 0.06197% / 0.12031% Min / max 0.06164% / 0.13066% MAD 0.01181%	-24.965 dBFS
60 µm · Mono	Median 0.46699% P5 / P95 0.40123% / 0.56397% Min / max 0.39725% / 0.57131% MAD 0.04878%	Median 0.03917% P5 / P95 0.02643% / 0.05097% Min / max 0.02262% / 0.05334% MAD 0.00503%	-24.851 dBFS
70 µm · Left	Median 0.77302% P5 / P95 0.66508% / 0.85779% Min / max 0.57826% / 0.86665% MAD 0.04646%	Median 0.07497% P5 / P95 0.05096% / 0.14186% Min / max 0.04707% / 0.19064% MAD 0.01939%	-23.224 dBFS
70 µm · Right	Median 0.42029% P5 / P95 0.35217% / 0.54692% Min / max 0.31289% / 0.54907% MAD 0.04817%	Median 0.09060% P5 / P95 0.06441% / 0.13234% Min / max 0.05911% / 0.13926% MAD 0.01468%	-23.437 dBFS
70 µm · Mono	Median 0.53582% P5 / P95 0.45085% / 0.65043% Min / max 0.40055% / 0.65065% MAD 0.05673%	Median 0.03853% P5 / P95 0.02805% / 0.05345% Min / max 0.02592% / 0.05789% MAD 0.00795%	-23.333 dBFS
80 µm · Left	Median 28.88586% P5 / P95 21.89340% / 31.95072% Min / max 20.73819% / 32.12553% MAD 2.37163%	Median 14.12706% P5 / P95 7.52237% / 15.22768% Min / max 6.50055% / 15.35459% MAD 1.22752%	-88.612 dBFS
80 µm · Right	Median 26.38887% P5 / P95 17.34639% / 29.50078% Min / max 15.65507% / 29.56575% MAD 2.85203%	Median 2.76838% P5 / P95 2.72702% / 4.41538% Min / max 2.72621% / 4.65247% MAD 0.04217%	-80.775 dBFS
80 µm · Mono	Median 25.47020% P5 / P95 19.66215% / 27.59837% Min / max 19.33272% / 27.82160% MAD 2.35140%	Median 4.45647% P5 / P95 2.80466% / 5.68528% Min / max 2.41219% / 5.90300% MAD 0.35794%	-83.634 dBFS

Temporal distortion summaries - continued

Band / channel	THD	H4-H6	Robust H1 median
90 µm · Left	Median 0.88228% P5 / P95 0.76247% / 0.97782% Min / max 0.75841% / 0.98427% MAD 0.05575%	Median 0.10383% P5 / P95 0.07104% / 0.14618% Min / max 0.06774% / 0.18412% MAD 0.01597%	-22.098 dBFS
90 µm · Right	Median 0.54446% P5 / P95 0.40436% / 0.65063% Min / max 0.37609% / 0.74149% MAD 0.06418%	Median 0.16273% P5 / P95 0.12613% / 0.25514% Min / max 0.12147% / 0.28258% MAD 0.02470%	-22.295 dBFS
90 µm · Mono	Median 0.66993% P5 / P95 0.55236% / 0.76853% Min / max 0.52672% / 0.82646% MAD 0.06902%	Median 0.06298% P5 / P95 0.04843% / 0.08236% Min / max 0.04029% / 0.12789% MAD 0.00760%	-22.198 dBFS
100 µm · Left	Median 0.87602% P5 / P95 0.78182% / 1.00260% Min / max 0.74497% / 1.03410% MAD 0.05047%	Median 0.07703% P5 / P95 0.05773% / 0.10137% Min / max 0.05058% / 0.12240% MAD 0.01003%	-21.398 dBFS
100 µm · Right	Median 0.54557% P5 / P95 0.44676% / 0.68553% Min / max 0.42650% / 0.70915% MAD 0.07244%	Median 0.10587% P5 / P95 0.06384% / 0.14295% Min / max 0.05936% / 0.17052% MAD 0.02470%	-21.573 dBFS
100 µm · Mono	Median 0.61998% P5 / P95 0.54115% / 0.77243% Min / max 0.51065% / 0.80491% MAD 0.04868%	Median 0.05521% P5 / P95 0.03792% / 0.07224% Min / max 0.03058% / 0.08140% MAD 0.00832%	-21.487 dBFS

Stereo temporal differences

Signed differences are Left minus Right. P95 and maximum use the absolute time-matched channel difference.

Band (µm)	THD difference	H4-H6 difference	Robust level L-R
50	Median +0.22884 pp P95 |Δ| 0.27297 pp Max |Δ| 0.27617 pp	Median -0.04507 pp P95 |Δ| 0.06431 pp Max |Δ| 0.07357 pp	+0.231 dB
60	Median +0.28995 pp P95 |Δ| 0.36983 pp Max |Δ| 0.39487 pp	Median -0.02351 pp P95 |Δ| 0.06867 pp Max |Δ| 0.07804 pp	+0.232 dB
70	Median +0.34273 pp P95 |Δ| 0.37114 pp Max |Δ| 0.39020 pp	Median -0.01577 pp P95 |Δ| 0.05768 pp Max |Δ| 0.09132 pp	+0.212 dB
80	Median +2.88463 pp P95 |Δ| 12.01259 pp Max |Δ| 13.23079 pp	Median +10.70211 pp P95 |Δ| 11.37129 pp Max |Δ| 11.40085 pp	-6.986 dB

Stereo temporal differences - continued

Band (µm)	THD difference	H4-H6 difference	Robust level L-R
90	Median +0.34851 pp P95 |Δ| 0.39715 pp Max |Δ| 0.40709 pp	Median -0.06965 pp P95 |Δ| 0.13919 pp Max |Δ| 0.14175 pp	+0.191 dB
100	Median +0.33492 pp P95 |Δ| 0.40889 pp Max |Δ| 0.45283 pp	Median -0.02754 pp P95 |Δ| 0.08156 pp Max |Δ| 0.09606 pp	+0.170 dB

Modulation linearity

Measured carrier-level progression relative to the stored reference band. Error is measured minus expected growth.

Band (µm)	Expected gain	Left gain / error	Right gain / error
50	+0.000 dB	+0.000 dB / +0.000 dB	+0.000 dB / +0.000 dB
60	+1.584 dB	+2.024 dB / +0.440 dB	+2.020 dB / +0.437 dB
70	+2.923 dB	+3.529 dB / +0.606 dB	+3.549 dB / +0.626 dB
80	+4.082 dB	-61.859 dB / -65.941 dB	-53.790 dB / -57.872 dB
90	+5.105 dB	+4.655 dB / -0.451 dB	+4.690 dB / -0.415 dB
100	+6.021 dB	+5.355 dB / -0.665 dB	+5.413 dB / -0.607 dB
50 to 100	+6.021 dB	+5.355 dB / -0.665 dB	+5.413 dB / -0.607 dB

Tracking evidence and validity

Evidence retained; numerical breakdown thresholds require controlled-capture validation.

Measurement	Value
Analysis version	3
Evidence thresholds calibrated	No
Breakdown indication	Threshold not calibrated
Affected channels	Not established

Harmonic growth and evidence flags

Growth is relative to the preceding retained band. Amplitude/THD ratios and harmonic power fractions are different quantities. Excursion is temporal high-order P95 minus median, in percentage points (pp).

Flags: HG high-order growth; TE temporal excursion; PI persistent increase; CD channel divergence; LD linearity deviation. None means all retained flags are false; unavailable means flags were not stored.

Band / channel	THD growth ratio / pp	H4-H6 growth ratio / pp	Amplitude / THD	H2-H6 power fraction	Flags / excursion
50 µm · Left	Unavailable Unavailable	Unavailable Unavailable	H2 0.98976 H3 0.12869 H4-H6 0.06182	H2 0.97962 H3 0.01656 H4-H6 0.00382	Unavailable 0.01906 pp
50 µm · Right	Unavailable Unavailable	Unavailable Unavailable	H2 0.79643 H3 0.56204 H4-H6 0.22320	H2 0.63430 H3 0.31588 H4-H6 0.04982	Unavailable 0.03071 pp
60 µm · Left	1.467 × +0.18774 pp	2.298 × +0.03224 pp	H2 0.98521 H3 0.14138 H4-H6 0.09683	H2 0.97064 H3 0.01999 H4-H6 0.00938	Unavailable 0.07344 pp
60 µm · Right	1.467 × +0.10043 pp	1.369 × +0.01771 pp	H2 0.87509 H3 0.43686 H4-H6 0.20826	H2 0.76578 H3 0.19084 H4-H6 0.04337	Unavailable 0.03250 pp
70 µm · Left	1.010 × +0.00578 pp	0.879 × -0.00690 pp	H2 0.97794 H3 0.19110 H4-H6 0.08429	H2 0.95637 H3 0.03652 H4-H6 0.00711	Unavailable 0.06689 pp
70 µm · Right	1.208 × +0.06566 pp	0.882 × -0.00775 pp	H2 0.84230 H3 0.51712 H4-H6 0.15204	H2 0.70947 H3 0.26741 H4-H6 0.02312	Unavailable 0.04173 pp
80 µm · Left	41.498 × +24.10520 pp	248.418 × +12.41371 pp	H2 0.76001 H3 0.40959 H4-H6 0.50460	H2 0.57761 H3 0.16777 H4-H6 0.25462	Unavailable 1.10061 pp
80 µm · Right	74.867 × +28.14524 pp	69.684 × +3.97911 pp	H2 0.95623 H3 0.25611 H4-H6 0.14152	H2 0.91438 H3 0.06559 H4-H6 0.02003	Unavailable 1.64700 pp
90 µm · Left	0.026 × -24.04807 pp	0.007 × -12.38149 pp	H2 0.96799 H3 0.21688 H4-H6 0.12630	H2 0.93701 H3 0.04704 H4-H6 0.01595	Unavailable 0.04235 pp
90 µm · Right	0.016 × -28.08192 pp	0.031 × -3.91080 pp	H2 0.86509 H3 0.41340 H4-H6 0.28411	H2 0.74838 H3 0.17090 H4-H6 0.08072	Unavailable 0.09240 pp
100 µm · Left	1.140 × +0.09139 pp	0.762 × -0.01964 pp	H2 0.98050 H3 0.17747 H4-H6 0.08437	H2 0.96138 H3 0.03150 H4-H6 0.00712	Unavailable 0.02434 pp
100 µm · Right	1.001 × +0.00058 pp	0.618 × -0.04821 pp	H2 0.81464 H3 0.55282 H4-H6 0.17538	H2 0.66363 H3 0.30561 H4-H6 0.03076	Unavailable 0.03708 pp

Stereo evidence differences

THD and H4-H6 differences are signed Left-Right / absolute; the final column reports time-matched P95 absolute differences.

Band (µm)	THD signed / absolute	H4-H6 signed / absolute	Time-matched P95 THD / H4-H6
50	+0.18676 pp / 0.18676 pp	-0.02314 pp / 0.02314 pp Ratio 1.932 ×	0.27297 pp / 0.06431 pp
60	+0.27407 pp / 0.27407 pp	-0.00860 pp / 0.00860 pp Ratio 1.151 ×	0.36983 pp / 0.06867 pp
70	+0.21419 pp / 0.21419 pp	-0.00776 pp / 0.00776 pp Ratio 1.155 ×	0.37114 pp / 0.05768 pp
80	-3.82586 pp / 3.82586 pp	+8.42684 pp / 8.42684 pp Ratio 3.087 ×	12.01259 pp / 11.37129 pp
90	+0.20799 pp / 0.20799 pp	-0.04385 pp / 0.04385 pp Ratio 1.532 ×	0.39715 pp / 0.13919 pp
100	+0.29880 pp / 0.29880 pp	-0.01528 pp / 0.01528 pp Ratio 1.244 ×	0.40889 pp / 0.08156 pp

Channel-summary P95 differences

Difference of the channels' separate P95 summaries, signed Left-Right / absolute. This differs from P95 of time-matched |Left-Right|. The original legacy fields are retained with their earlier semantics; they can contain a time-matched fallback in older records.

Band (µm)	THD P95 signed / absolute	H4-H6 P95 signed / absolute	Legacy P95 THD / H4-H6
50	+0.24061 pp / 0.24061 pp	-0.05130 pp / 0.05130 pp	0.24061 pp / 0.05130 pp
60	+0.30780 pp / 0.30780 pp	+0.00780 pp / 0.00780 pp	0.30780 pp / 0.00780 pp
70	+0.31087 pp / 0.31087 pp	+0.00952 pp / 0.00952 pp	0.31087 pp / 0.00952 pp
80	+2.44994 pp / 2.44994 pp	+10.81230 pp / 10.81230 pp	2.44994 pp / 10.81230 pp
90	+0.32720 pp / 0.32720 pp	-0.10896 pp / 0.10896 pp	0.32720 pp / 0.10896 pp
100	+0.31706 pp / 0.31706 pp	-0.04158 pp / 0.04158 pp	0.31706 pp / 0.04158 pp

Capture and validation

Measurement	Value
Recorded	Sunday, 8 November 2026 at 17:26
Test	Tracking ability
Input	USB Audio CODEC

Capture and validation - continued

Measurement	Value
Input mode	Direct interface
Capture status	Accepted
Signal validation	Confirmed
Duration / sample rate	75.50 s · 48000 Hz
Channel format	Stereo analysis (input channels 1-2) · 2-channel input stream
Input trim	+0.0 dB
Raw peaks	L -15.72 dBFS · R -19.52 dBFS
Analyzed peaks	L -15.72 dBFS · R -19.52 dBFS
Analyzed RMS	L -27.19 dBFS · R -27.39 dBFS
Clipped samples	0 raw · 0 post-trim

Analysis history

The report's measurements above describe the currently selected saved analysis. Earlier immutable revisions remain archived with this test.

Revision	DSP version	Captured	Analysed
Current	v3	8 Nov 2026 at 17:26	8 Nov 2026 at 17:26

Measurement methods and traceability

THD is the retained combined H2-H6 amplitude relative to H1. THD+N additionally includes residual noise. H4-H6 is a diagnostic root-sum-square amplitude; each harmonic is shown as percent of H1 and dBc.

Temporal values summarise retained short analysis windows: median, P5/P95, range and MAD (median absolute deviation). Percentage-point differences (pp) are distinct from relative growth ratios. Time-matched P95 |Left-Right| is distinct from the difference of each channel's P95.

The ladder records the response of the cartridge, record and capture chain together. Original pass/fail metrics and experimental breakdown evidence are distinct assessments. Uncalibrated evidence does not establish a mechanical fault or an adjustment direction.

Figures and tables use retained measurements only. Missing evidence is labelled unavailable; report generation does not load audio, rerun analysis or infer measurements for missing bands.

Mono in the diagnostic tables is the retained (Left + Right) / 2 signal, not an additional physical input.

Method & Traceability

Measurements use the identified input, recorded sample rate and channel configuration. Capture evidence and test-specific processing are retained with each result.

Results apply to the documented system, test media, connection path and conditions. Trim cannot repair upstream clipping.

Professional Sign-off

Technician: Michelangelo Canonico

Company: DSR