

RightMark Audio Analyzer test report

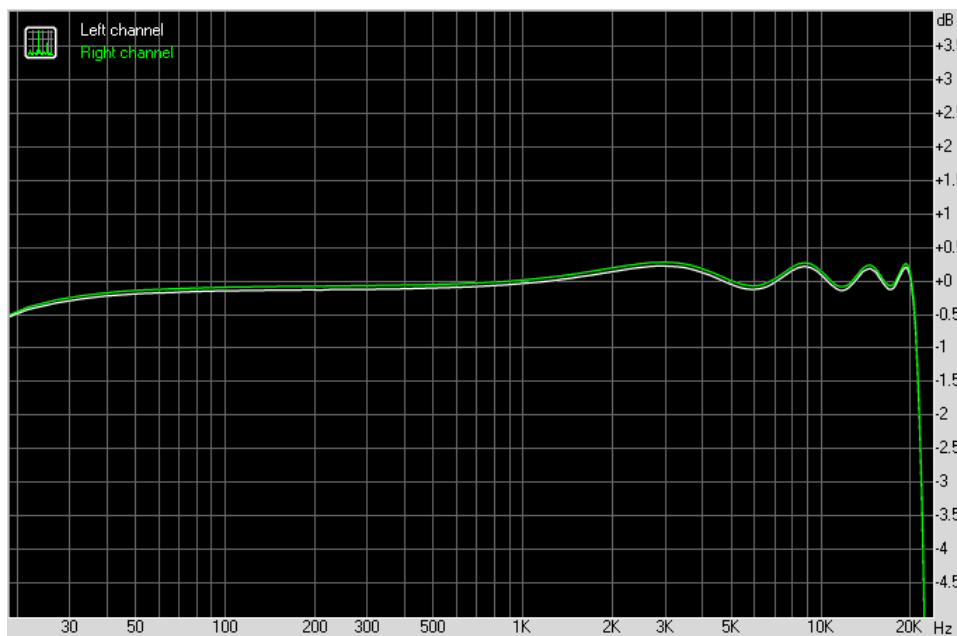
Testing device	[DirectSound] IDT High Definition Audio - Loopback test
Sampling mode	24-bit, 48 kHz
Interface	DirectSound
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-2.2 dB / -2.2 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	inverted/inverted

Summary

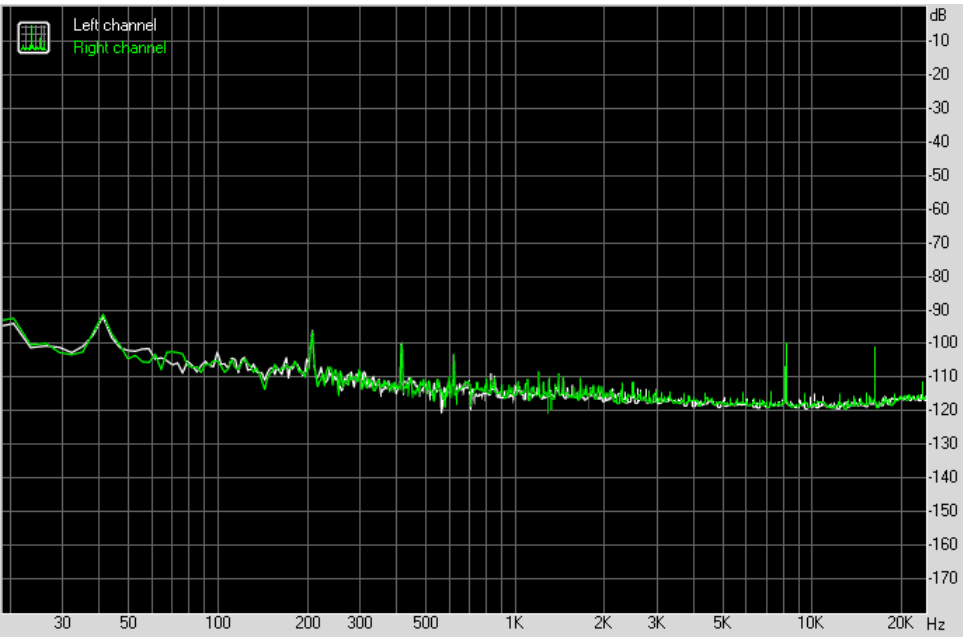
Frequency response (from 40 Hz to 15 kHz), dB	+0.28, -0.18	Good
Noise level, dB (A)	-84.6	Good
Dynamic range, dB (A)	83.9	Good
THD, %	0.00460	Very good
THD + Noise, dB (A)	-76.8	Average
IMD + Noise, %	0.021	Good
Stereo crosstalk, dB	-76.7	Very good
IMD at 10 kHz, %	0.018	Very good
General performance		Good

Frequency response



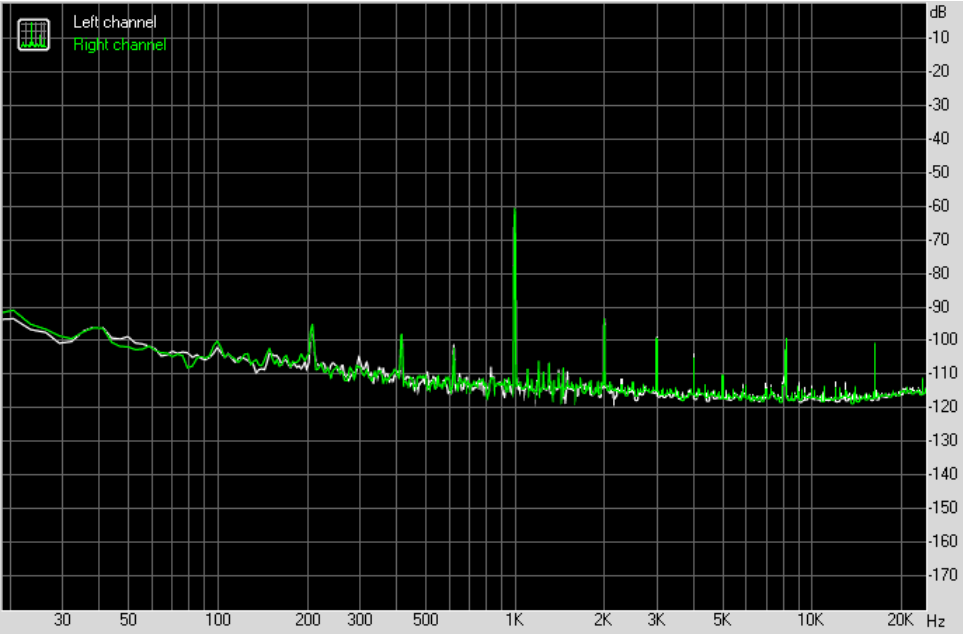
	Left	Right
From 20 Hz to 20 kHz, dB	-0.49, +0.22	-0.47, +0.28
From 40 Hz to 15 kHz, dB	-0.23, +0.22	-0.18, +0.28

Noise level



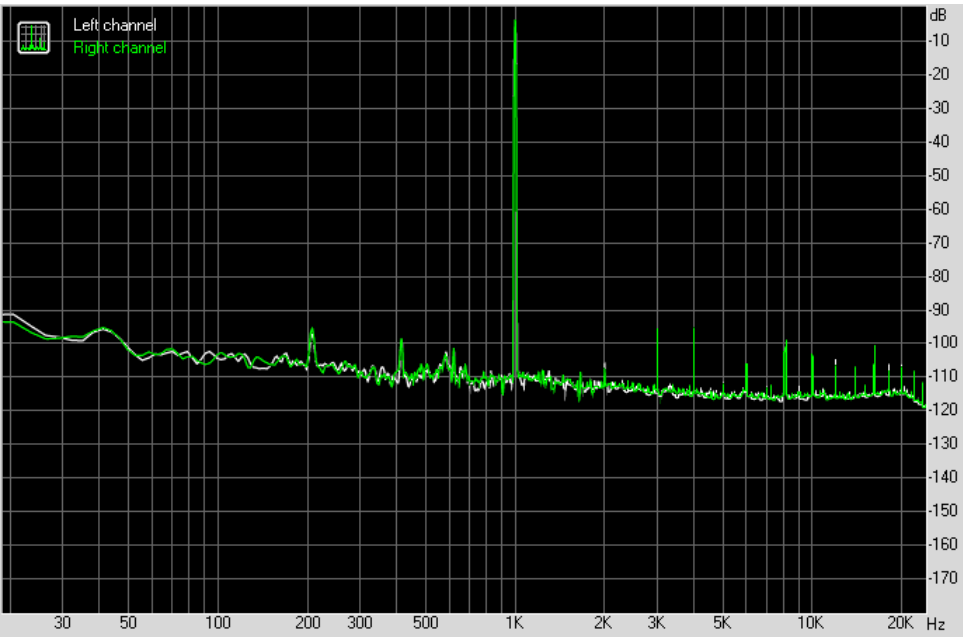
	Left	Right
RMS power, dB	-82.5	-82.5
RMS power (A-weighted), dB	-84.7	-84.4
Peak level, dB FS	-63.9	-65.0
DC offset, %	-0.4	-0.4

Dynamic range



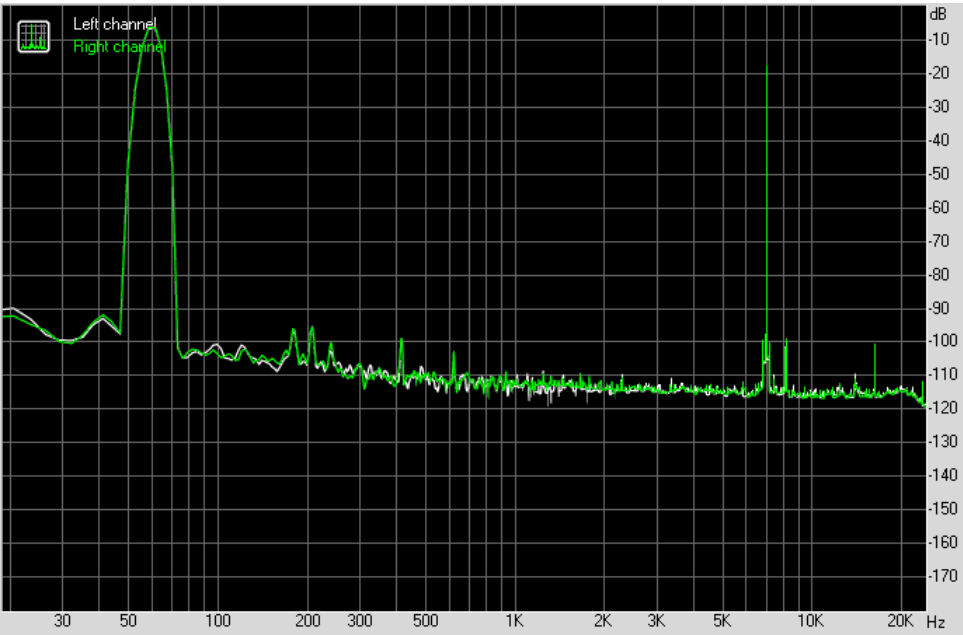
	Left	Right
Dynamic range, dB	+82.4	+82.3
Dynamic range (A-weighted), dB	+83.9	+83.8
DC offset, %	-0.38	-0.38

THD + Noise (at -3 dB FS)



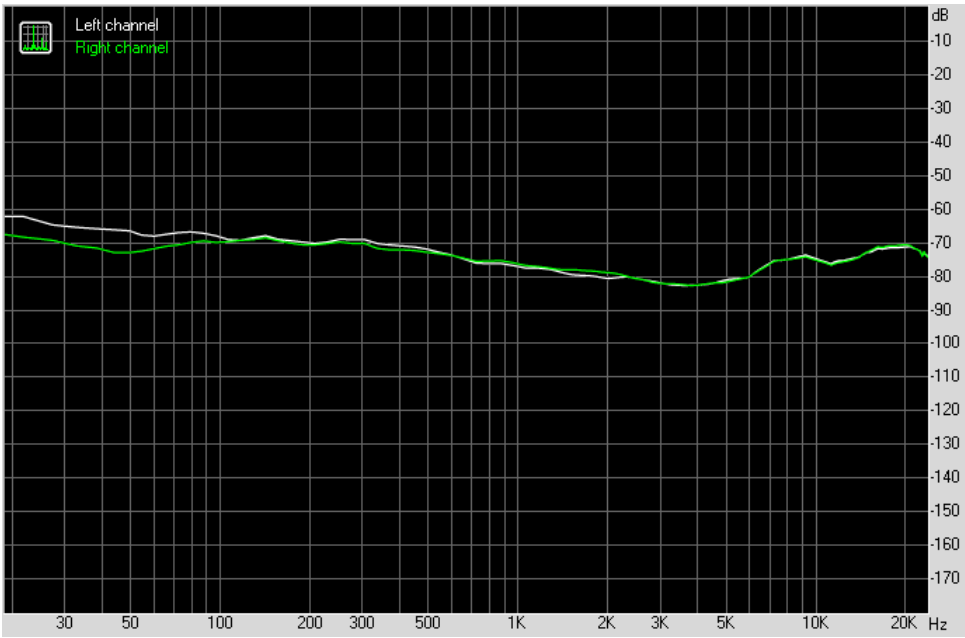
	Left	Right
THD, %	0.00454	0.00466
THD + Noise, %	0.01661	0.01664
THD + Noise (A-weighted), %	0.01437	0.01445

Intermodulation distortion



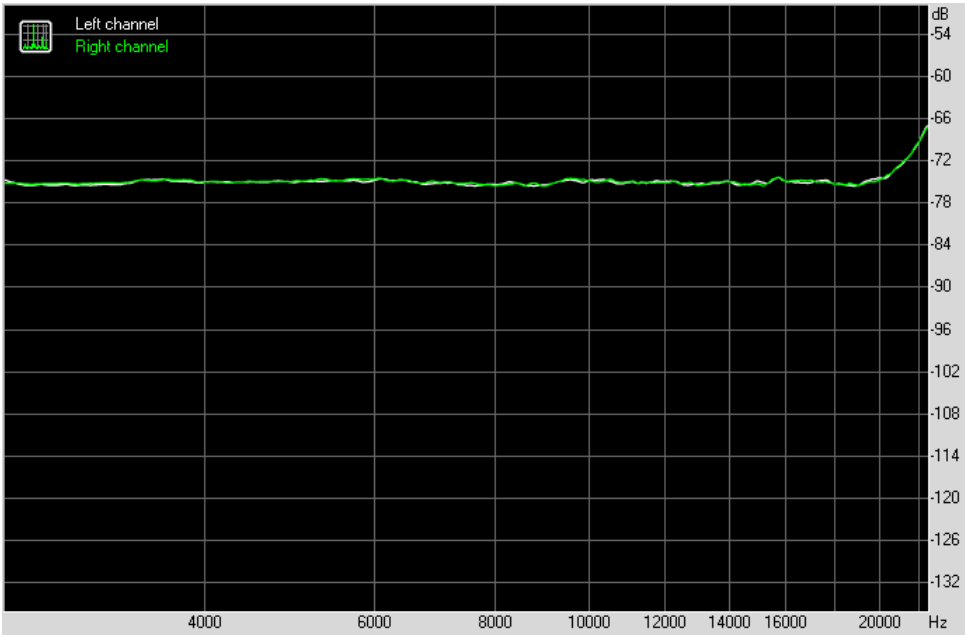
	Left	Right
IMD + Noise, %	0.02052	0.02087
IMD + Noise (A-weighted), %	0.01621	0.01671

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-67	-69
Crosstalk at 1000 Hz, dB	-76	-75
Crosstalk at 10000 Hz, dB	-74	-74

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.01783	0.01813
IMD + Noise at 10000 Hz,	0.01815	0.01818
IMD + Noise at 15000 Hz,	0.01799	0.01719