

## RightMark Audio Analyzer test report

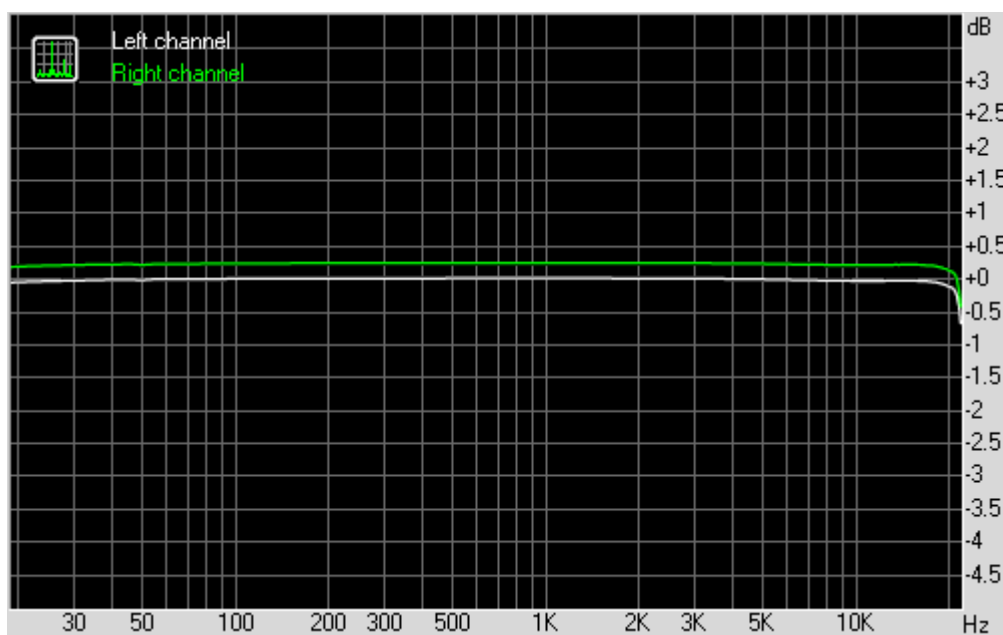
Testing device	Äèàìèèè (ASUS Xonar DX Audio D)
Sampling mode	16-bit, 44 kHz
Interface	MME
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.2.5

20 Hz - 20 kHz filter	OFF
Normalize amplitude	ON
Level change	-0.4 dB / -0.2 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

### Summary

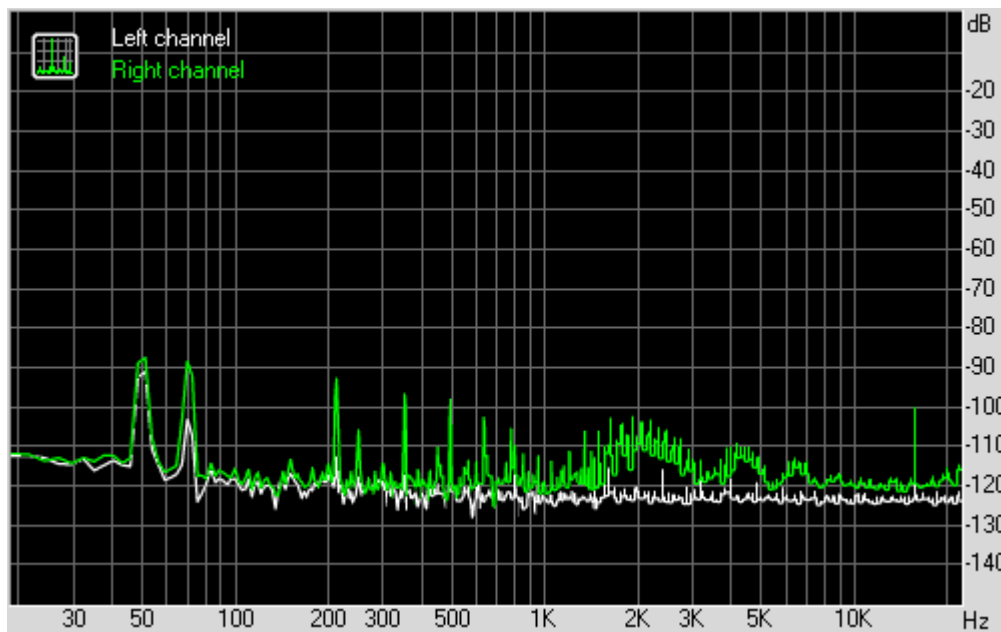
Frequency response (from 40 Hz to 15 kHz), dB	+0.01, -0.03	Excellent
Noise level, dB (A)	-88.6	Good
Dynamic range, dB (A)	88.6	Good
THD, %	0.0079	Very good
THD + Noise, dB (A)	-76.9	Average
IMD + Noise, %	0.017	Very good
Stereo crosstalk, dB	-81.2	Very good
IMD at 10 kHz, %	0.014	Very good
<b>General performance</b>		<b>Very good</b>

### Frequency response



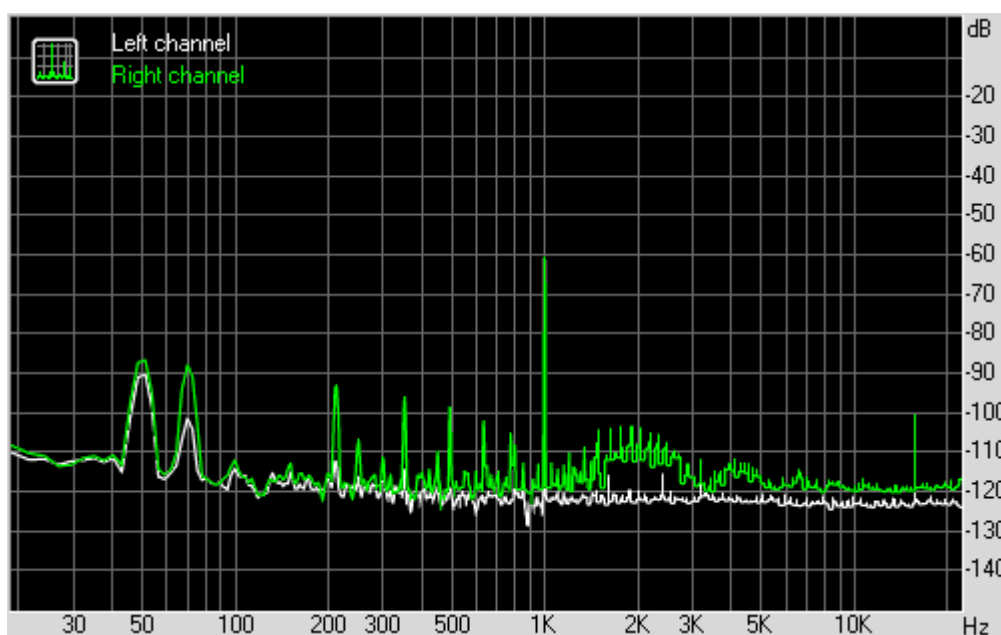
	Left	Right
From 20 Hz to 20 kHz, dB	-0.11, +0.01	+0.14, +0.25
From 40 Hz to 15 kHz, dB	-0.03, +0.01	+0.21, +0.25

## Noise level



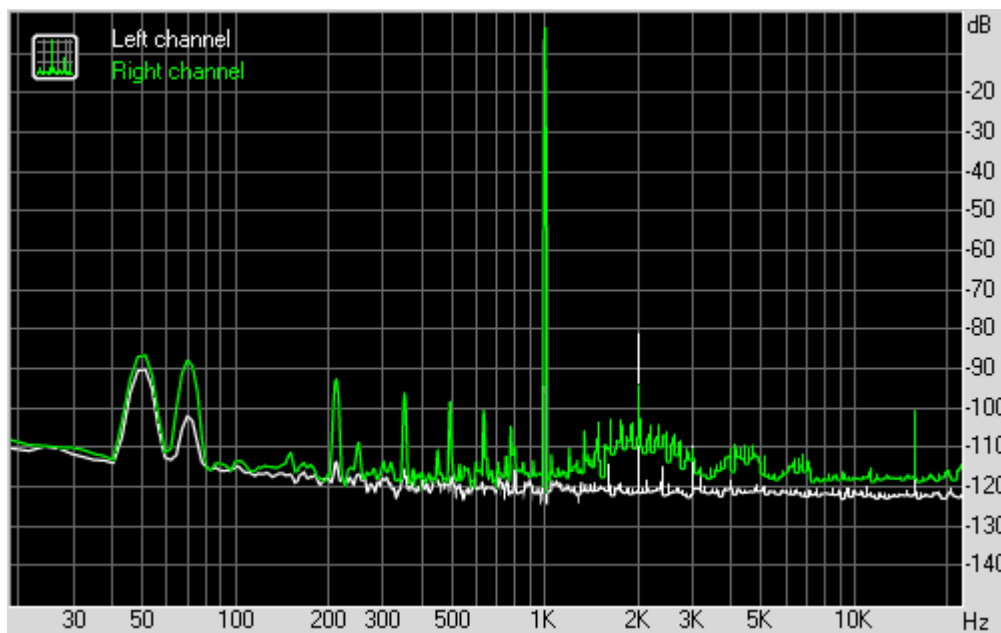
	Left	Right
RMS power, dB	-85.9	-79.9
RMS power (A-weighted), dB	-91.5	-85.7
Peak level, dB FS	-73.6	-66.0
DC offset, %	-0.0	-0.0

## Dynamic range



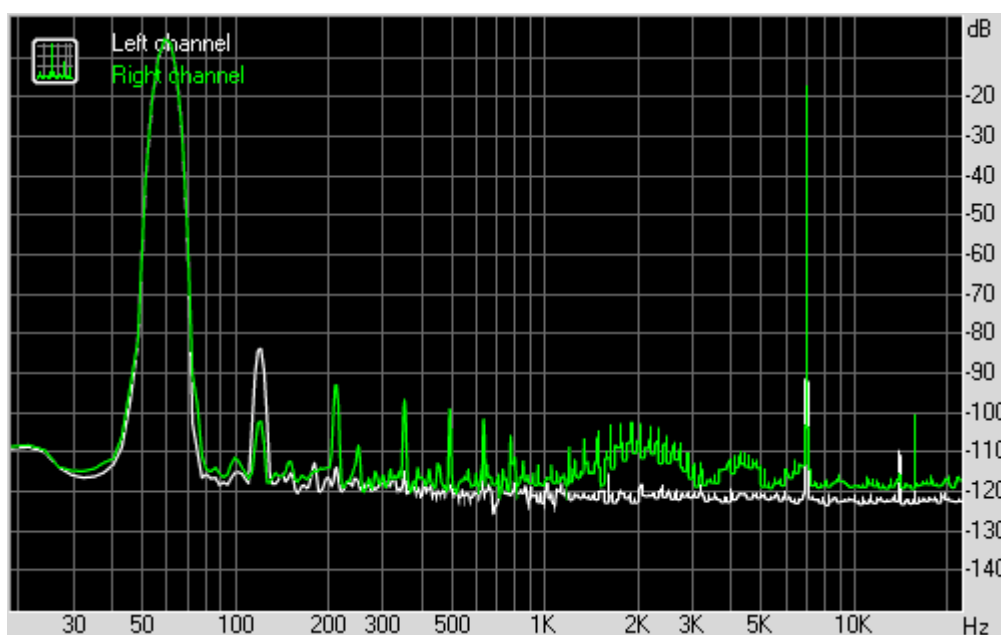
	Left	Right
Dynamic range, dB	+86.7	+82.0
Dynamic range (A-weighted), dB	+91.5	+85.7
DC offset, %	-0.00	-0.00

### THD + Noise (at -3 dB FS)



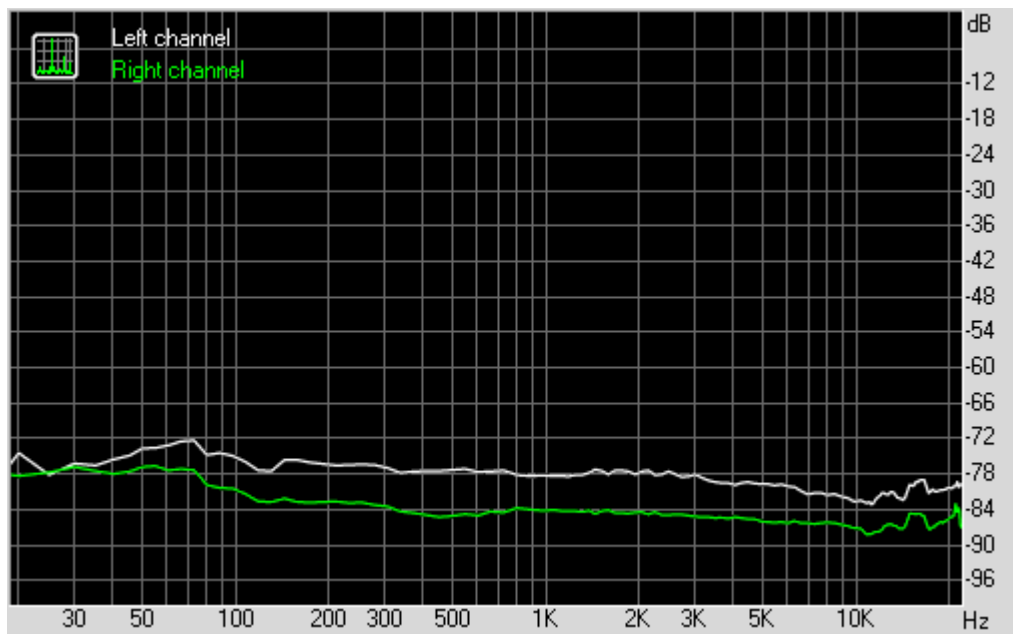
	Left	Right
THD, %	+0.0127	+0.0030
THD + Noise, %	+0.0154	+0.0161
THD + Noise (A-weighted), %	+0.0175	+0.0110

### Intermodulation distortion



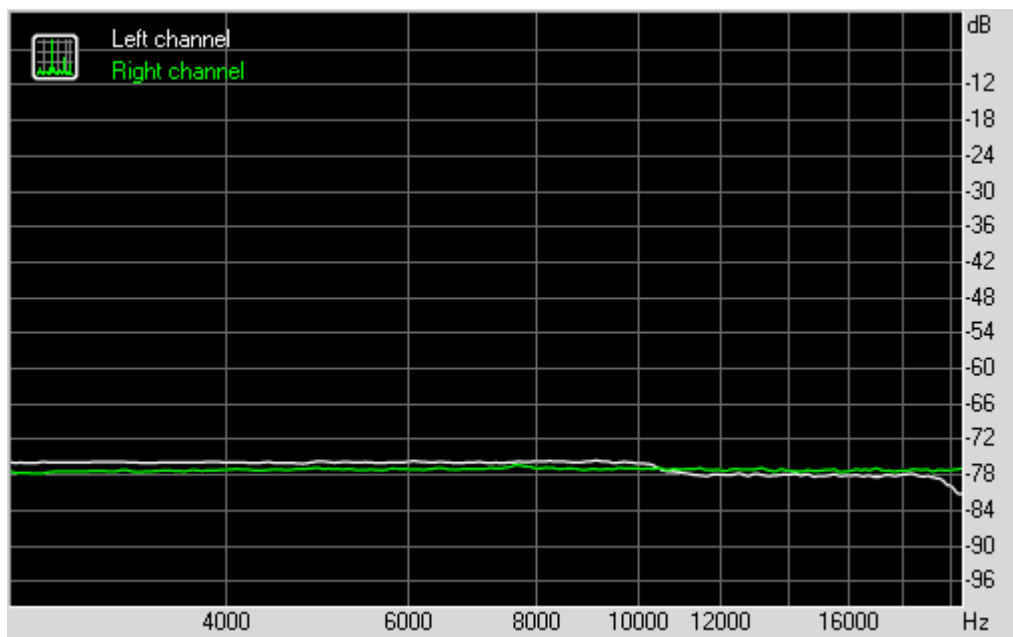
	Left	Right
IMD + Noise, %	+0.0168	+0.0179
IMD + Noise (A-weighted), %	+0.0097	+0.0129

## Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-74	-80
Crosstalk at 1000 Hz, dB	-77	-83
Crosstalk at 10000 Hz, dB	-82	-86

## IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.0162	0.0142
IMD + Noise at 10000 Hz,	0.0158	0.0142
IMD + Noise at 15000 Hz,	0.0124	0.0137