

## RightMark Audio Analyzer test report

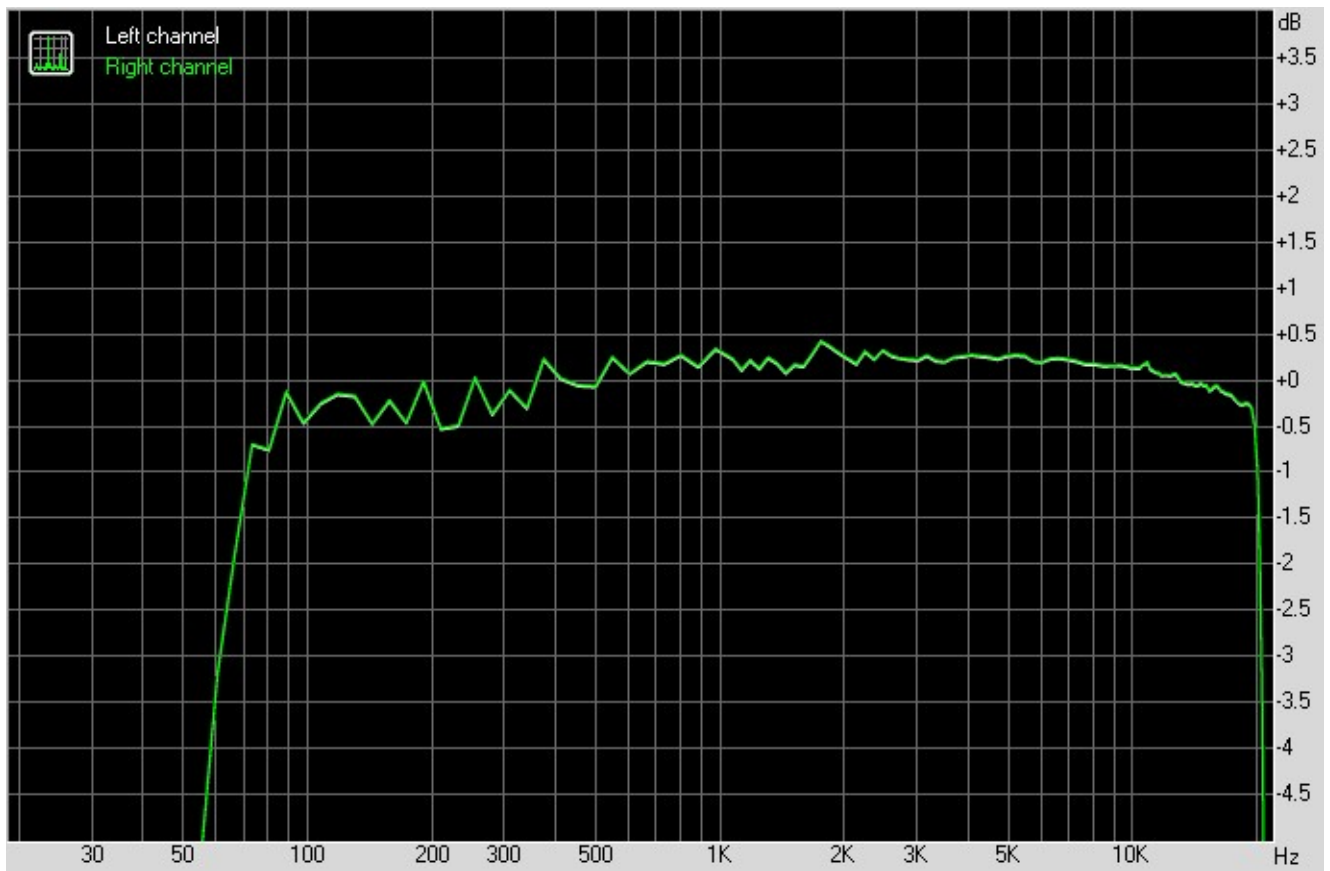
Testing device	[DirectSound] Primary Sound Driver
Sampling mode	16-bit, 44 kHz
Interface	DirectSound
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	0.9 dB / 0.9 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	inverted/inverted

### Summary

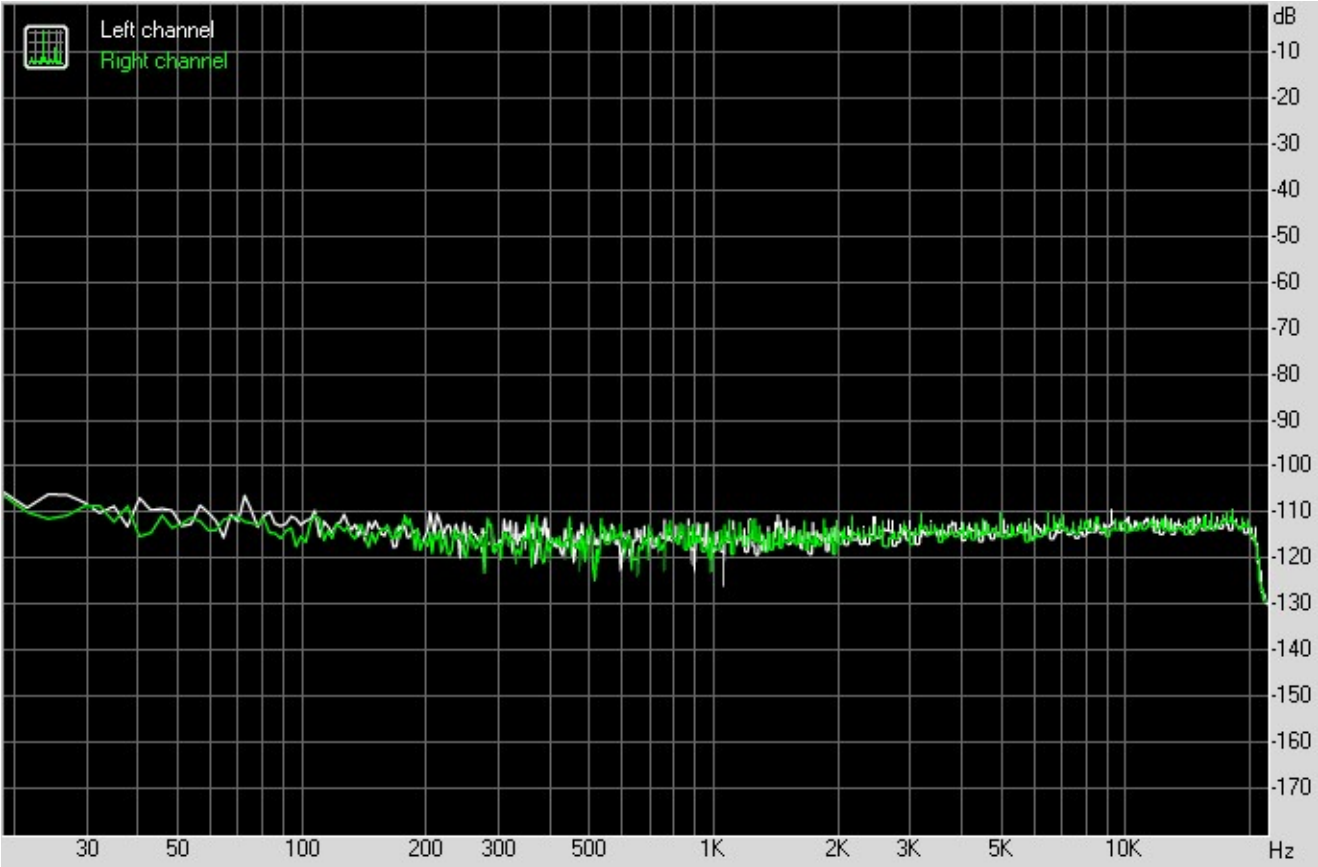
Frequency response (from 40 Hz to 15 kHz), dB	+0.41, -12.23	Very poor
Noise level, dB (A)	-84.0	Good
Dynamic range, dB (A)	83.9	Good
THD, %	0.00401	Very good
THD + Noise, dB (A)	-75.3	Average
IMD + Noise, %	2.747	Poor
Stereo crosstalk, dB	-87.2	Excellent
IMD at 10 kHz, %	0.016	Very good
<b>General performance</b>		<b>Average</b>

## Frequency response



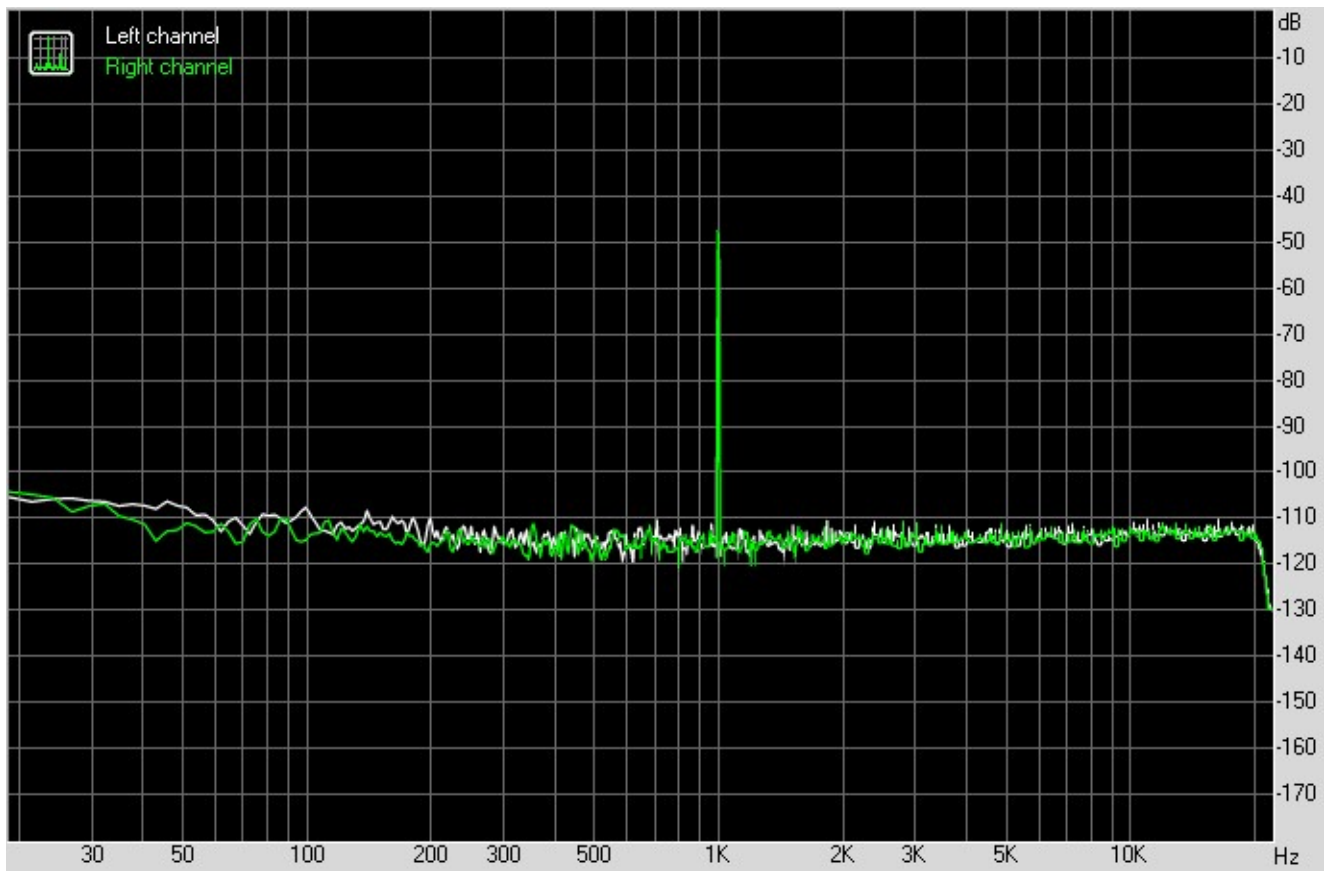
	Left	Right
From 20 Hz to 20 kHz, dB	-20.27, +0.41	-20.26, +0.43
From 40 Hz to 15 kHz, dB	-12.23, +0.41	-12.22, +0.43

Noise level



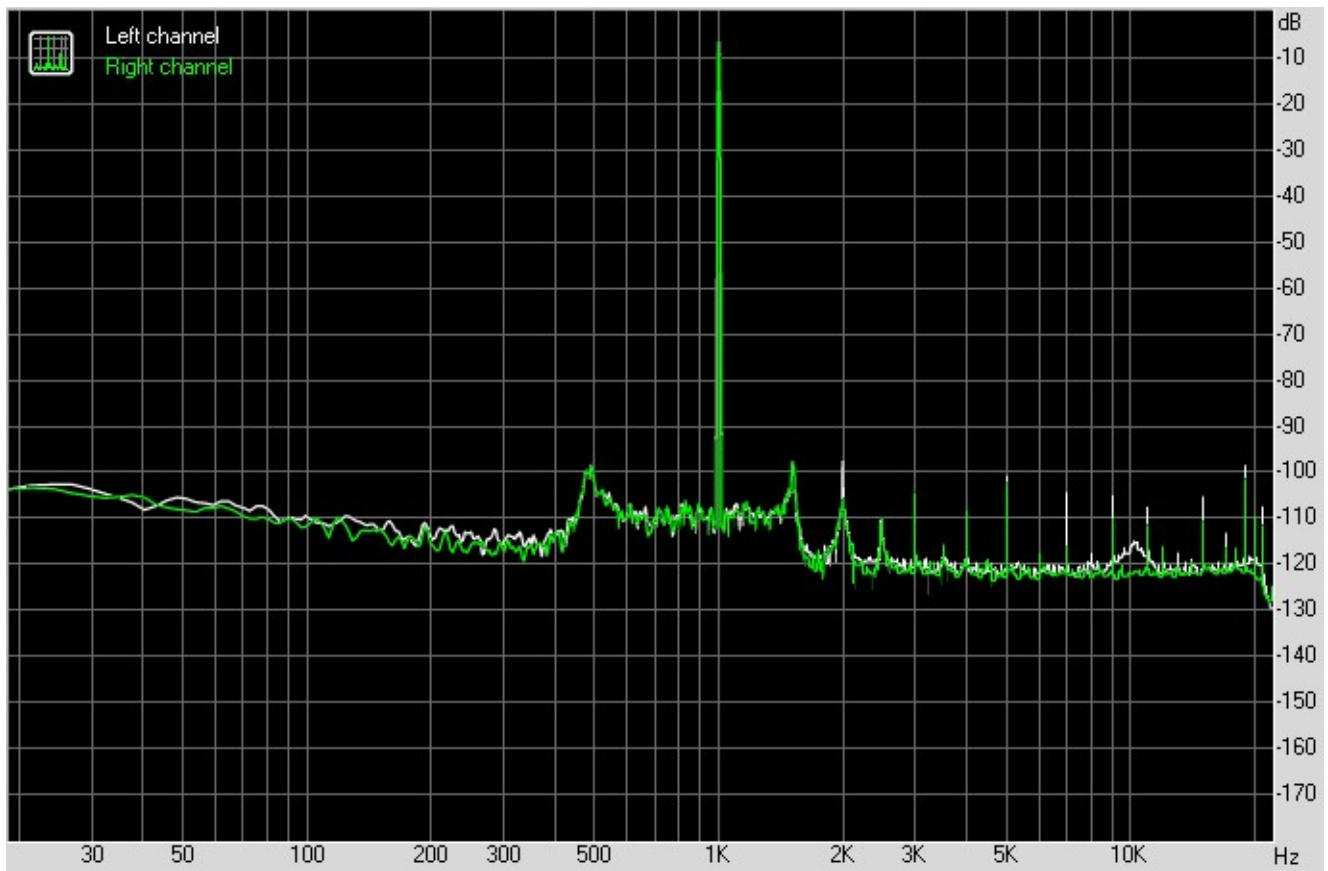
	Left	Right
RMS power, dB	-82.7	-82.9
RMS power (A-weighted), dB	-83.9	-84.1
Peak level, dB FS	-69.6	-70.1
DC offset, %	-0.0	-0.0

## Dynamic range



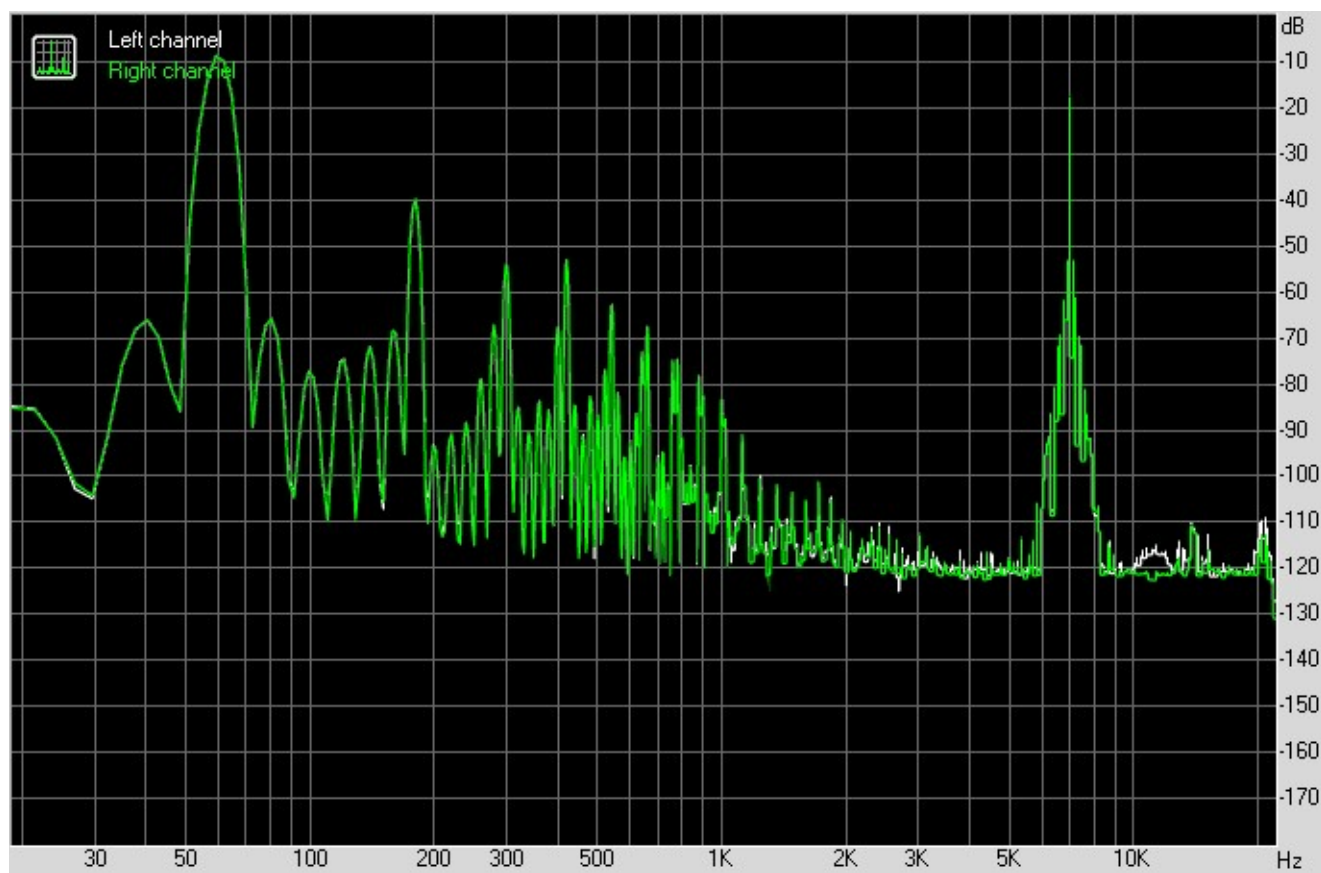
	Left	Right
Dynamic range, dB	+82.5	+82.9
Dynamic range (A-weighted), dB	+83.7	+84.0
DC offset, %	+0.00	-0.00

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



	Left	Right
THD, %	0.00481	0.00322
THD + Noise, %	0.01782	0.01637
THD + Noise (A-weighted), %	0.01765	0.01664

## Intermodulation distortion



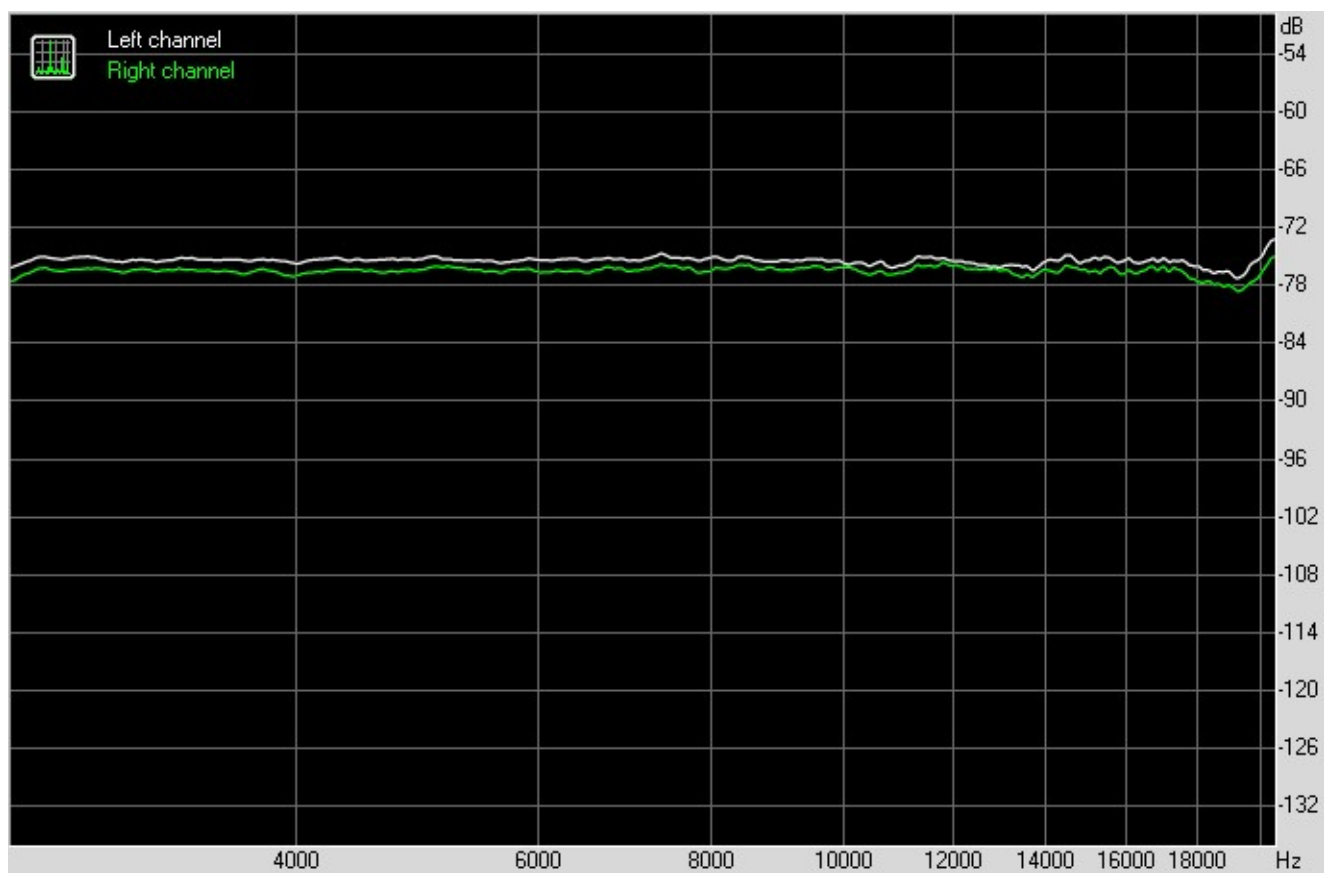
	Left	Right
IMD + Noise, %	2.74737	2.74750
IMD + Noise (A-weighted), %	1.21275	1.21307

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-33	-34
Crosstalk at 1000 Hz, dB	-87	-86
Crosstalk at 10000 Hz, dB	-91	-87

## IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.01772	0.01556
IMD + Noise at 10000 Hz,	0.01643	0.01560
IMD + Noise at 15000 Hz,	0.01695	0.01493