

RightMark Audio Analyzer test report

Testing device Realtek HD Audio output
Sampling mode 16-bit, 192 kHz
Interface MME
Testing chain External loopback (line-out - line-in)
RMAA Version 6.0.5

20 Hz - 20 kHz filter ON
Normalize amplitude ON
Mono mode ON
Calibration signal, Hz 1000
Polarity correct/correct

Summary

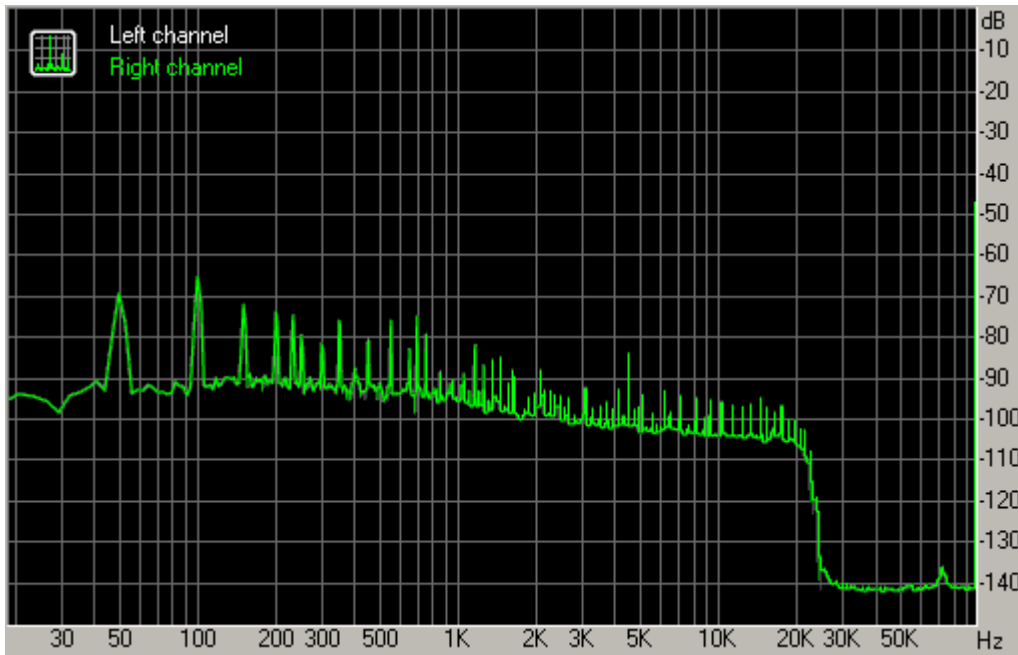
Frequency response (from 40 Hz to 15 kHz), dB	+1.68, -11.07	Very poor
Noise level, dB (A)	-66.2	Average
Dynamic range, dB (A)	66.1	Average
THD, %	0.018	Good
THD + Noise, dB (A)	-59.9	Poor
IMD + Noise, %	0.429	Poor
Stereo crosstalk, dB	-31.3	Very poor
IMD at 10 kHz, %	0.106	Average
General performance		Poor

Frequency response



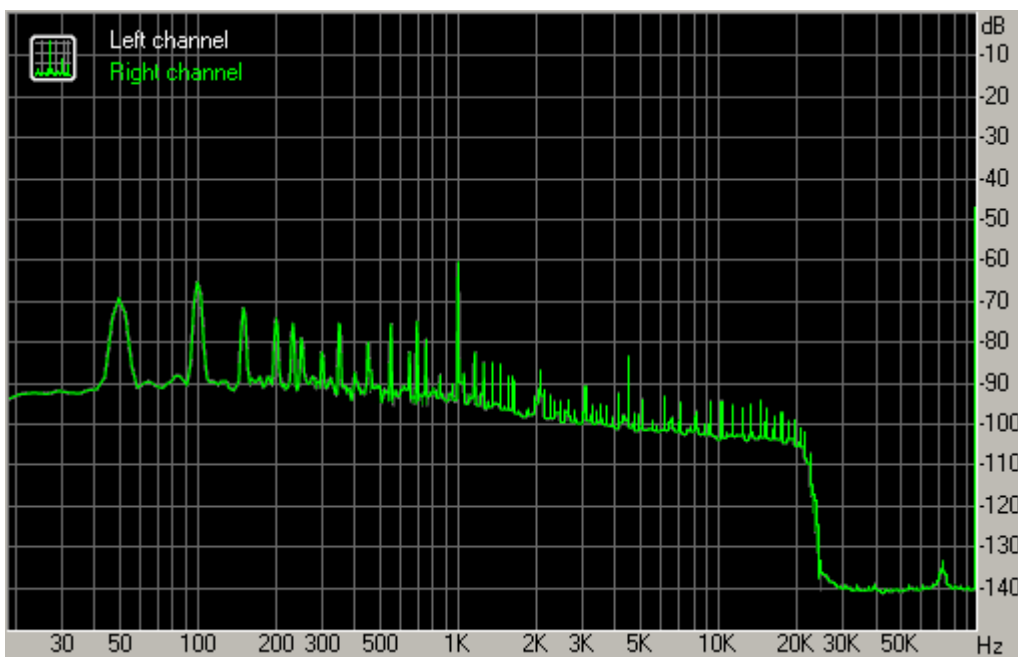
From 20 Hz to 20 kHz, dB -17.53, +1.68
From 40 Hz to 15 kHz, dB -11.07, +1.68

Noise level



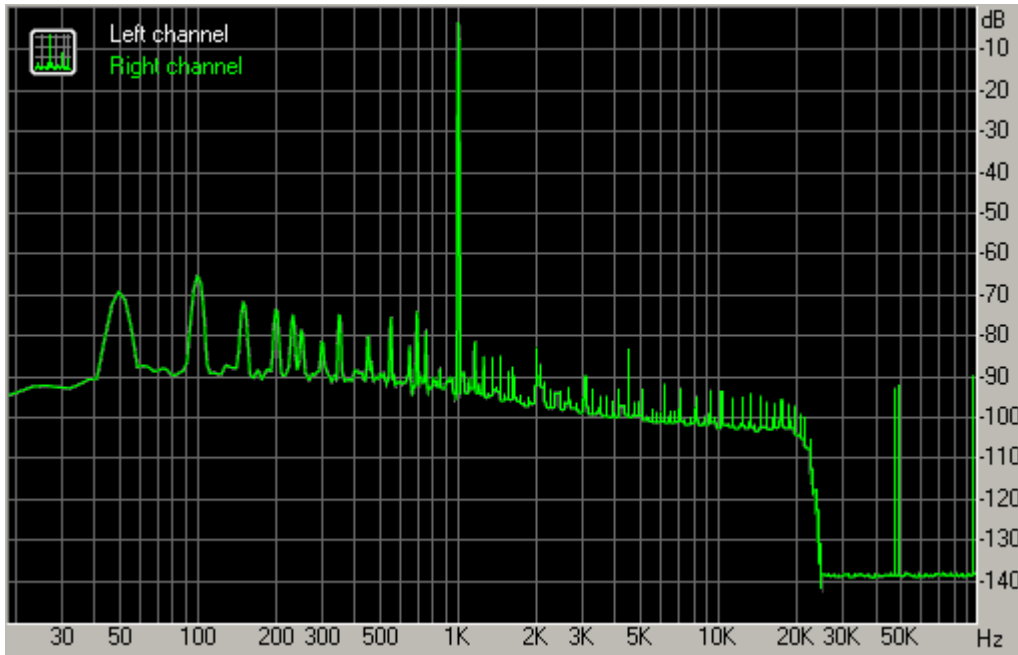
	Left	Right
RMS power, dB	-62.6	-62.6
RMS power (A-weighted), dB	-66.2	-66.2
Peak level, dB FS	-44.5	-44.5
DC offset, %	-0.0	-0.0

Dynamic range



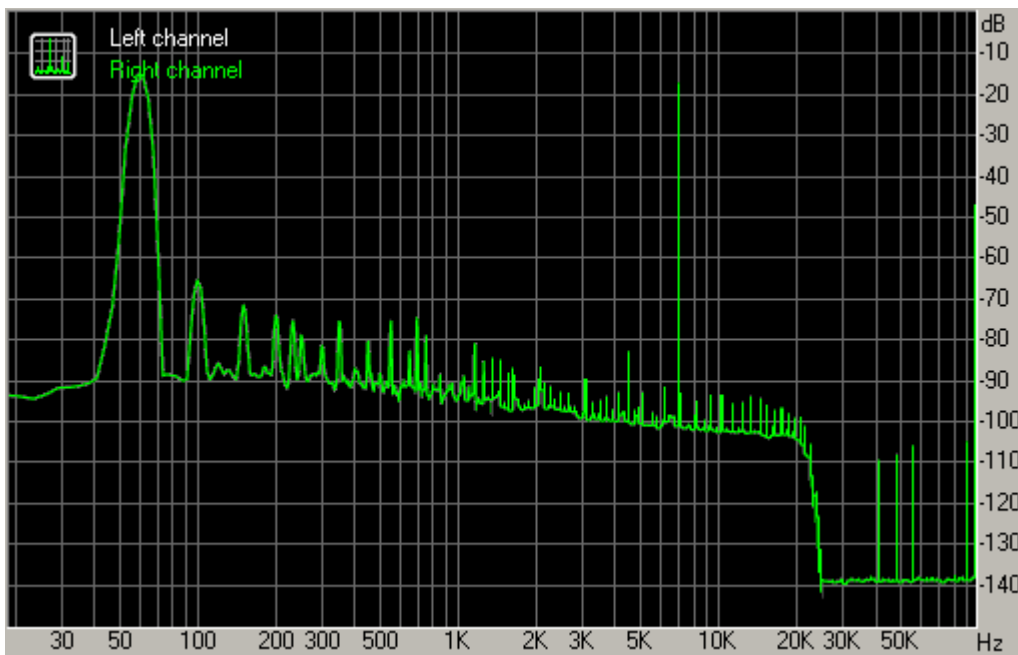
	Left	Right
Dynamic range, dB	+62.5	+62.5
Dynamic range (A-weighted), dB	+66.1	+66.1
DC offset, %	-0.00	-0.00

THD + Noise (at -3 dB FS)



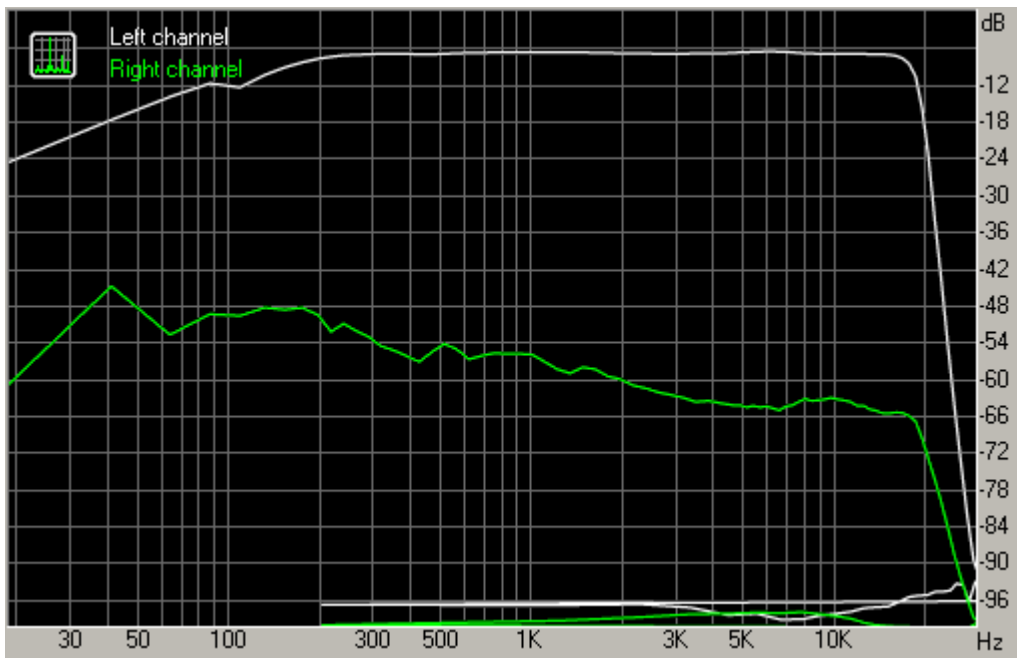
	Left	Right
THD, %	+0.0181	+0.0181
THD + Noise, %	+0.1546	+0.1546
THD + Noise (A-weighted), %	+0.1010	+0.1010

Intermodulation distortion



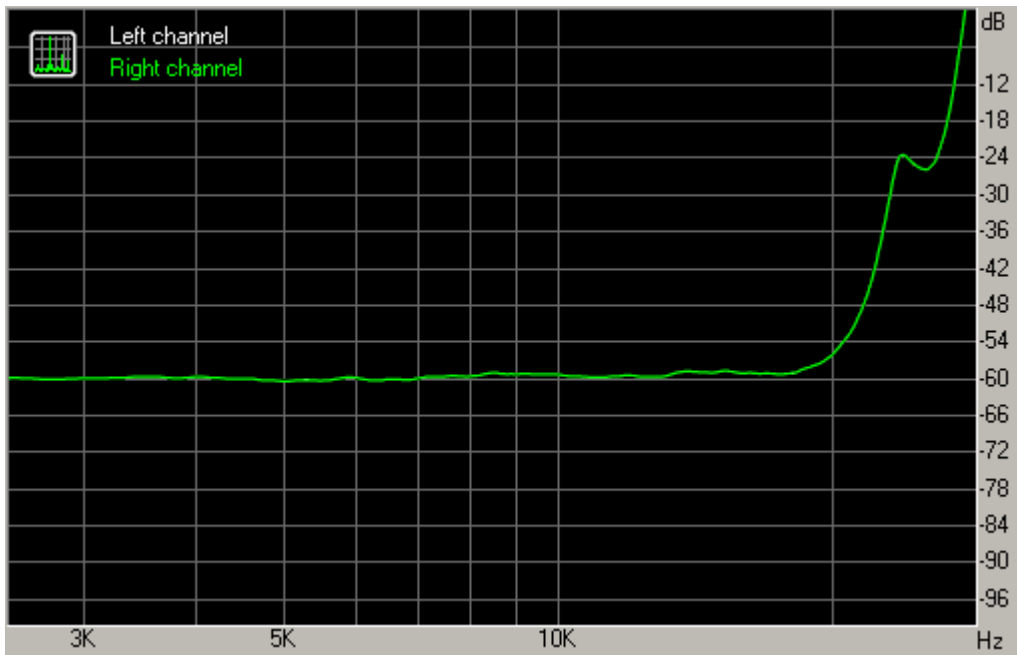
	Left	Right
IMD + Noise, %	+0.4290	+0.4290
IMD + Noise (A-weighted), %	+0.2946	+0.2946

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-11	-48
Crosstalk at 1000 Hz, dB	-6	-55
Crosstalk at 10000 Hz, dB	-6	-62

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.0955	0.0955
IMD + Noise at 10000 Hz,	0.1083	0.1083
IMD + Noise at 15000 Hz,	0.1142	0.1142