

# RightMark Audio Analyzer test report

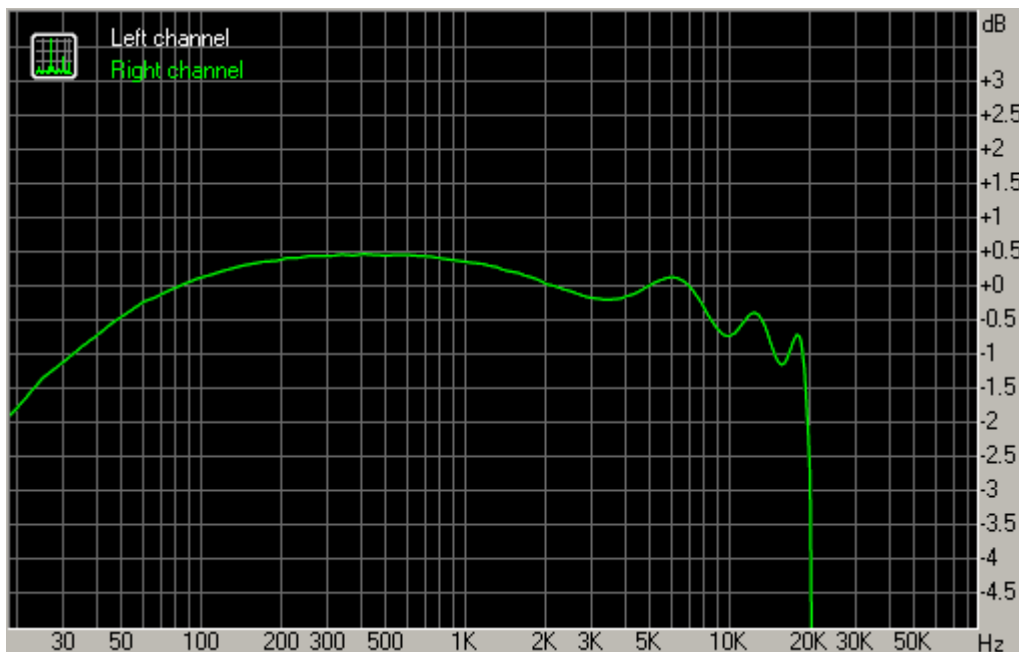
Testing device                    Realtek HD Audio output  
Sampling mode                    16-bit, 192 kHz  
Interface                         MME  
Testing chain                     External loopback (line-out - line-in)  
RMAA Version                    6.0.5

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

## Summary

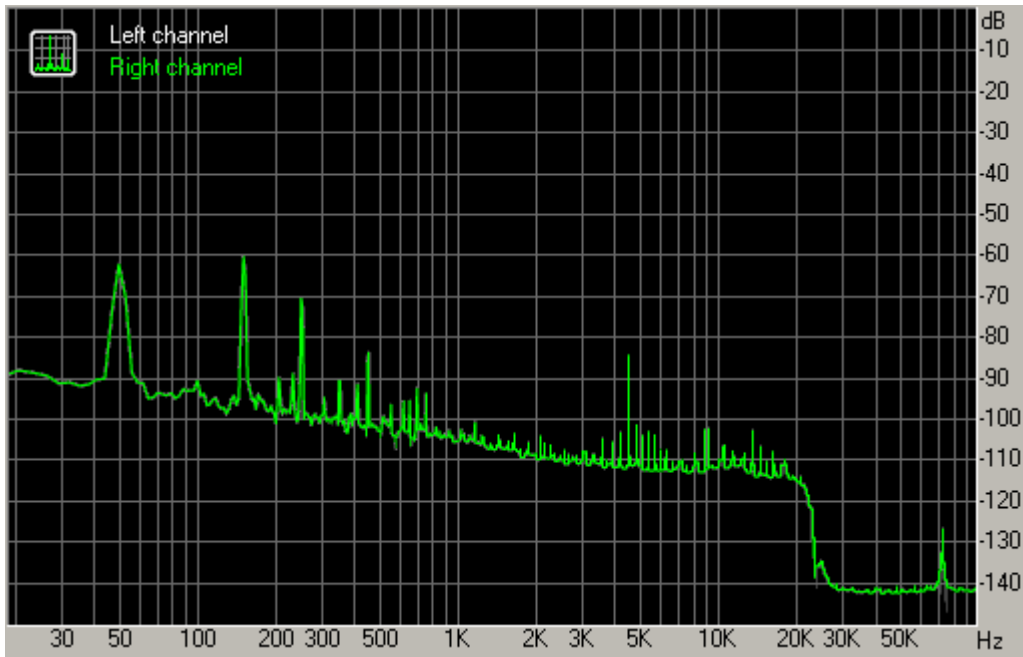
Frequency response (from 40 Hz to 15 kHz), dB	+0.46, -1.04	Average
Noise level, dB (A)	-71.7	Average
Dynamic range, dB (A)	71.7	Average
THD, %	0.530	Poor
THD + Noise, dB (A)	-43.2	Very poor
IMD + Noise, %	0.496	Poor
Stereo crosstalk, dB	-37.5	Very poor
IMD at 10 kHz, %	0.280	Average
<b>General performance</b>		<b>Average</b>

## Frequency response



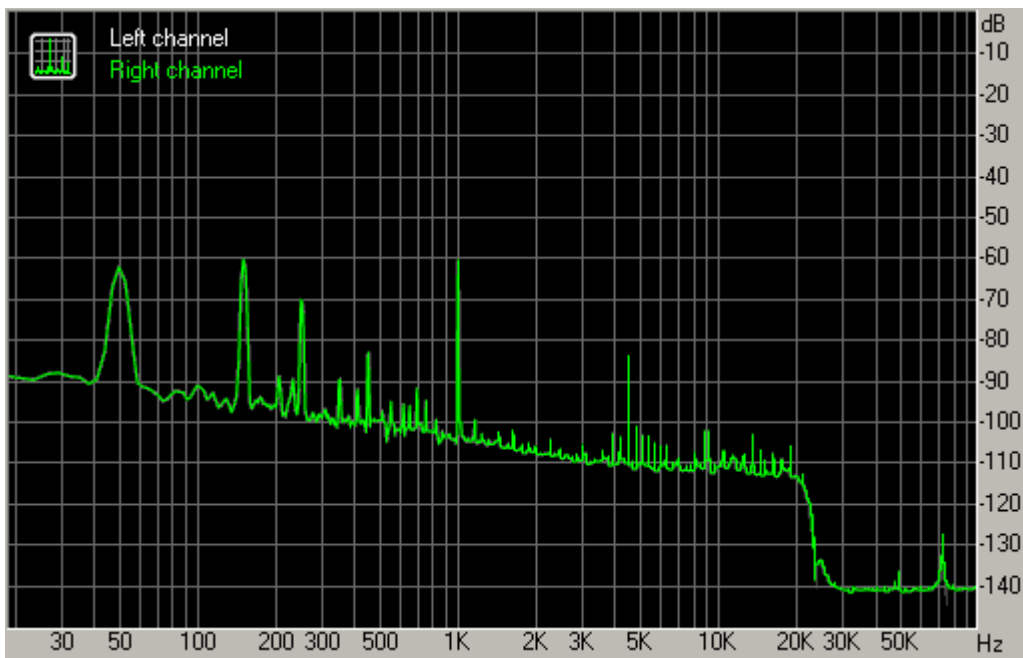
From 20 Hz to 20 kHz, dB                    -2.10, +0.46  
From 40 Hz to 15 kHz, dB                    -1.04, +0.46

## Noise level



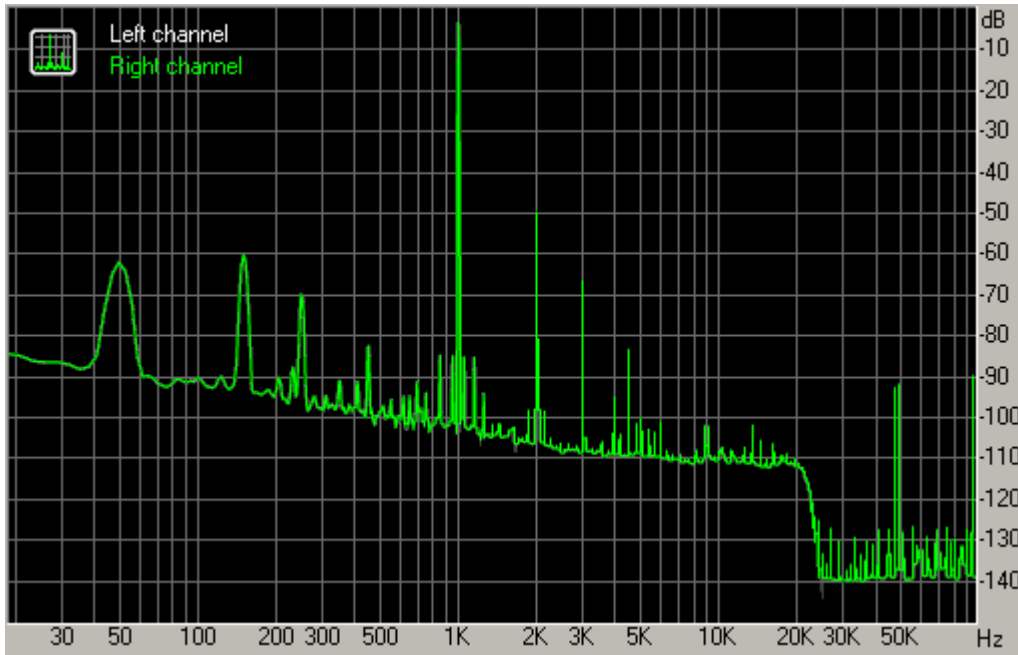
	Left	Right
RMS power, dB	-60.6	-60.6
RMS power (A-weighted), dB	-71.7	-71.7
Peak level, dB FS	-51.2	-51.2
DC offset, %	-0.0	-0.0

## Dynamic range



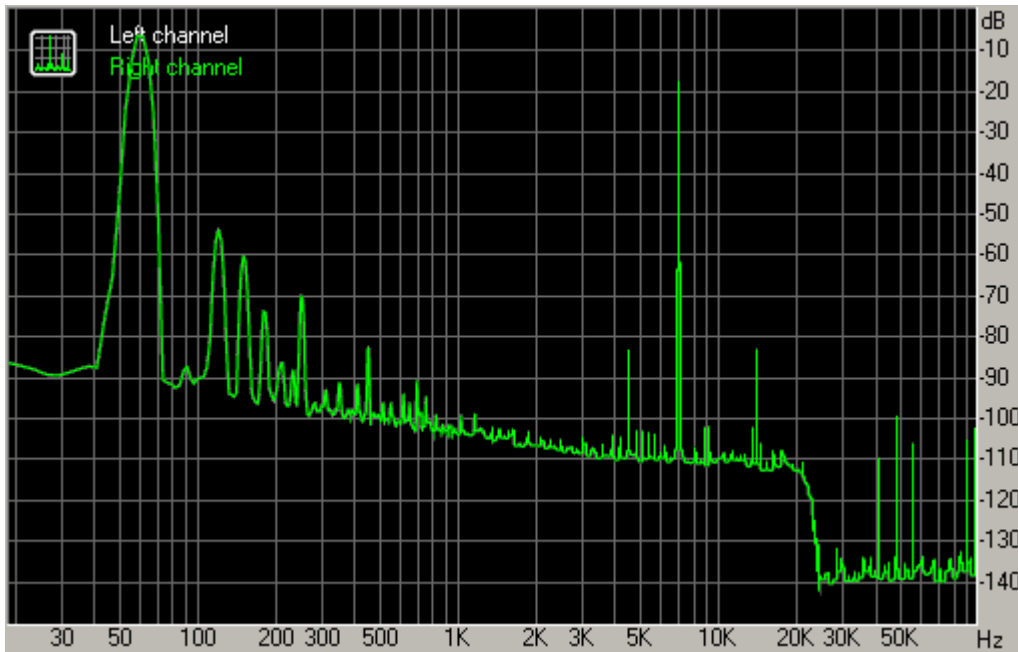
	Left	Right
Dynamic range, dB	+60.2	+60.2
Dynamic range (A-weighted), dB	+71.7	+71.7
DC offset, %	-0.00	-0.00

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



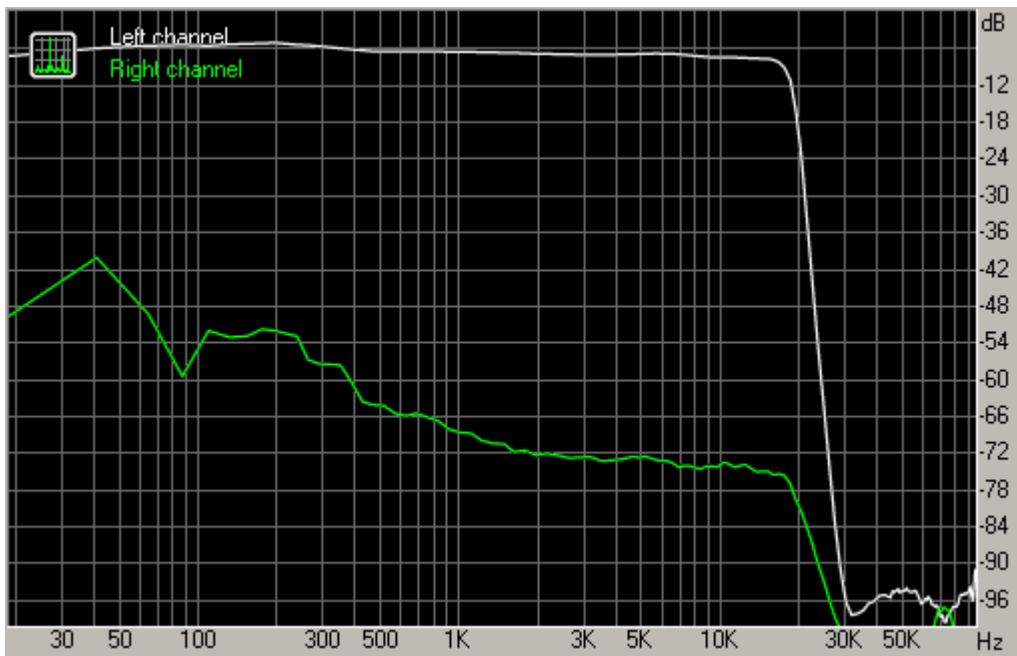
	Left	Right
THD, %	+0.5301	+0.5301
THD + Noise, %	+0.5630	+0.5630
THD + Noise (A-weighted), %	+0.6934	+0.6934

## Intermodulation distortion



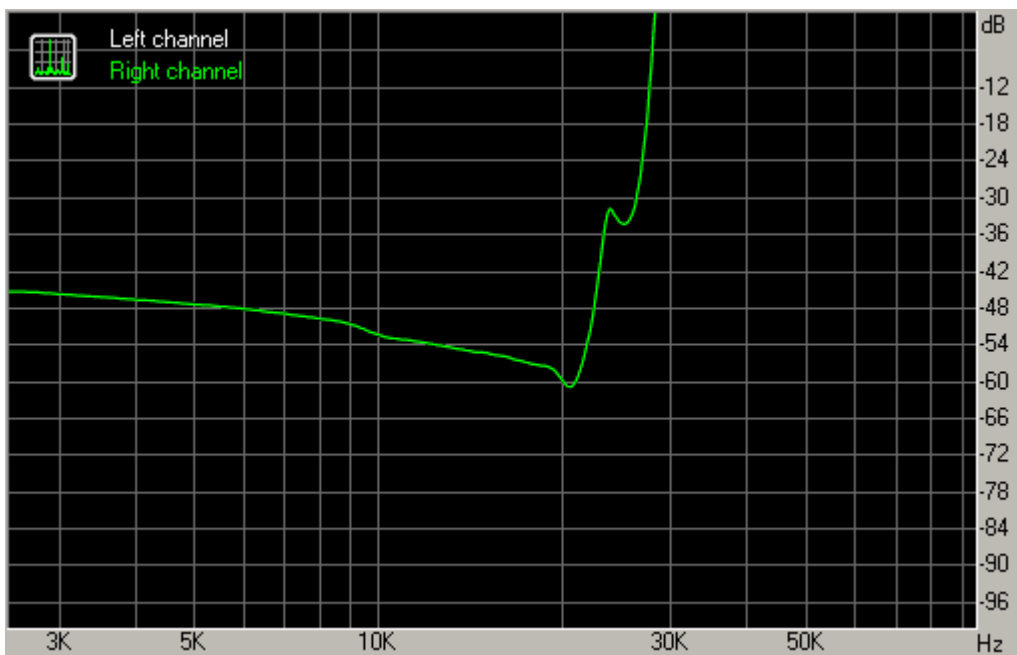
	Left	Right
IMD + Noise, %	+0.4963	+0.4963
IMD + Noise (A-weighted), %	+0.2438	+0.2438

## Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-4	-54
Crosstalk at 1000 Hz, dB	-6	-68
Crosstalk at 10000 Hz, dB	-6	-73

### IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.4272	0.4272
IMD + Noise at 10000 Hz,	0.2411	0.2411
IMD + Noise at 15000 Hz,	0.1716	0.1716