

RightMark Audio Analyzer test report

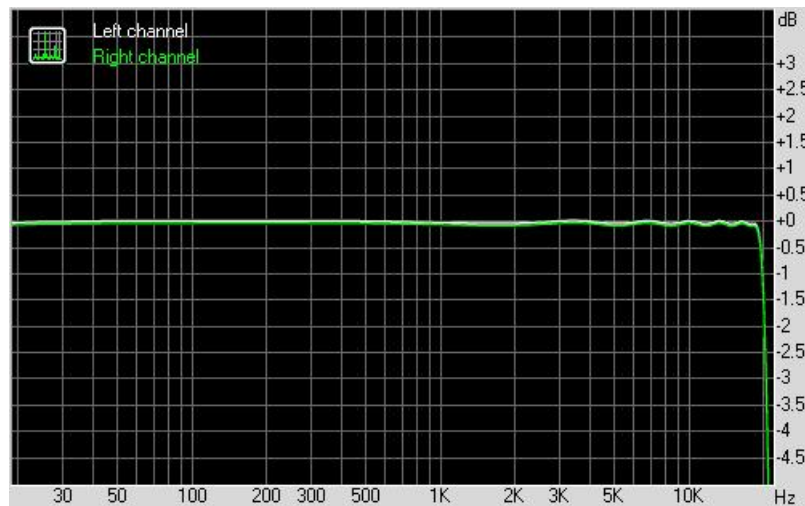
Testing device	Realtek
Sampling mode	16-bit, 44 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.3.0

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-0.4 dB / -0.5 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	inverted/inverted

Summary

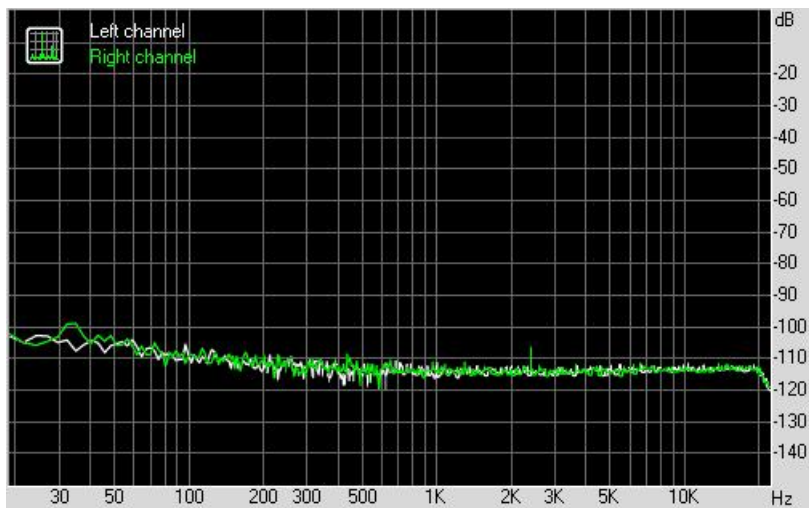
Frequency response (from 40 Hz to 15 kHz), dB	-0.03, -0.09	Excellent
Noise level, dB (A)	-81.8	Good
Dynamic range, dB (A)	81.7	Good
THD, %	0.0045	Very good
THD + Noise, dB (A)	-73.6	Average
IMD + Noise, %	0.026	Good
Stereo crosstalk, dB	-82.1	Very good
IMD at 10 kHz, %	0.025	Good
General performance		Very good

Frequency response



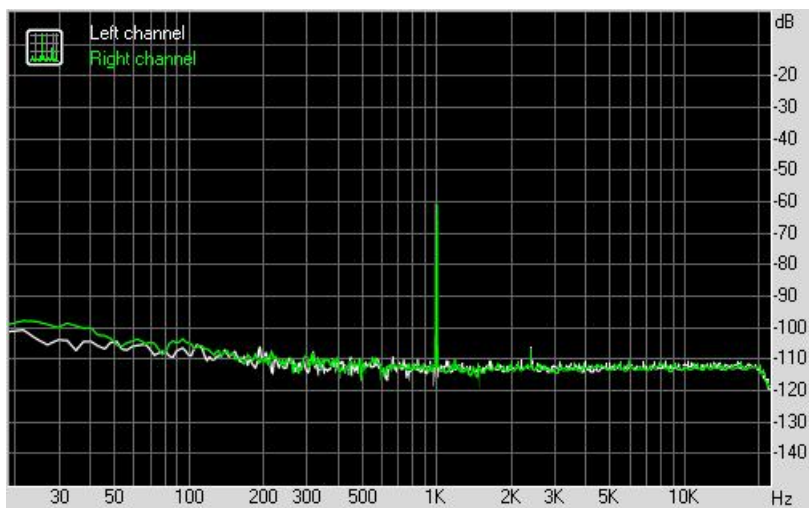
	Left	Right
From 20 Hz to 20 kHz, dB	-1.56, +0.01	-1.59, -0.03
From 40 Hz to 15 kHz, dB	-0.05, +0.01	-0.09, -0.03

Noise level



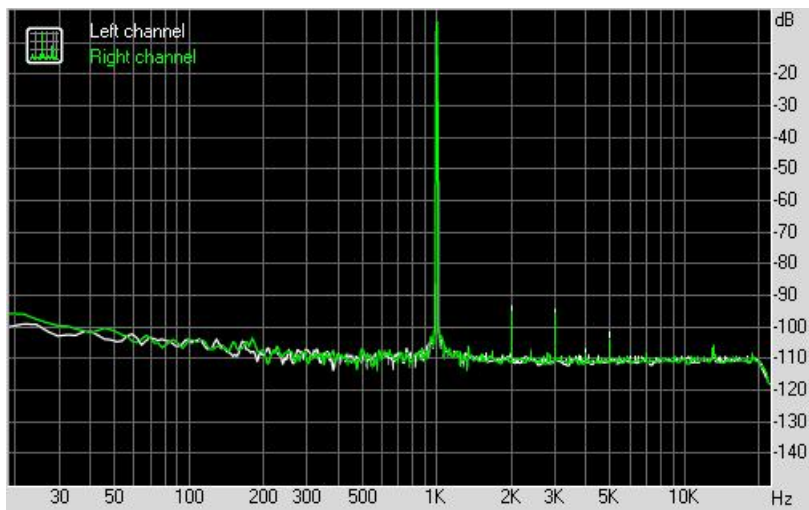
	Left	Right
RMS power, dB	-80.6	-80.6
RMS power (A-weighted), dB	-81.8	-81.8
Peak level, dB FS	-63.1	-64.2
DC offset, %	-0.0	-0.0

Dynamic range



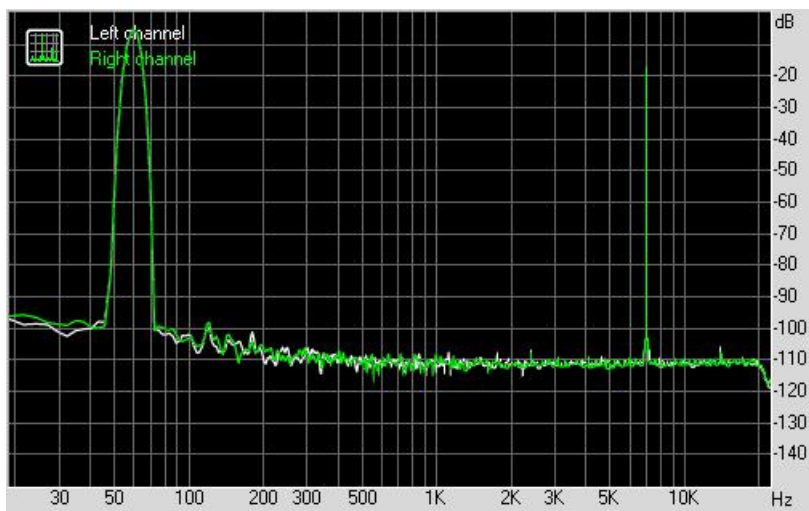
	Left	Right
Dynamic range, dB	+80.5	+80.4
Dynamic range (A-weighted), dB	+81.7	+81.8
DC offset, %	-0.00	+0.00

THD + Noise (at -3 dB FS)



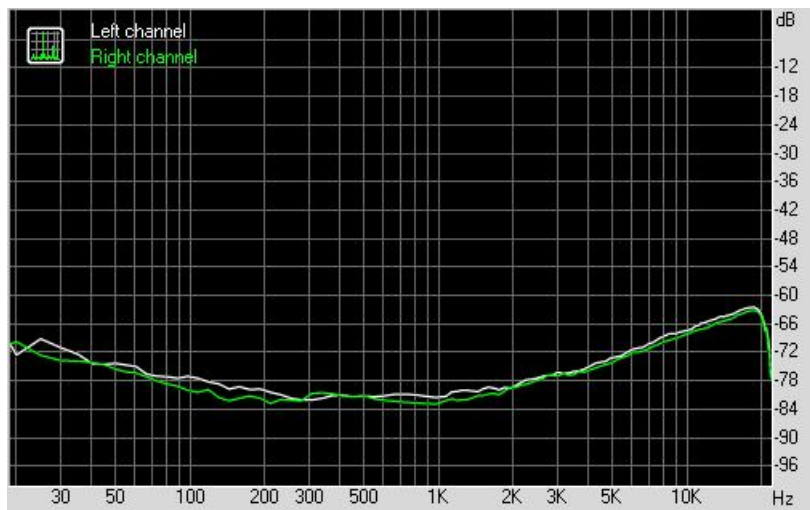
	Left	Right
THD, %	+0.0047	+0.0042
THD + Noise, %	+0.0224	+0.0227
THD + Noise (A-weighted), %	+0.0207	+0.0209

Intermodulation distortion



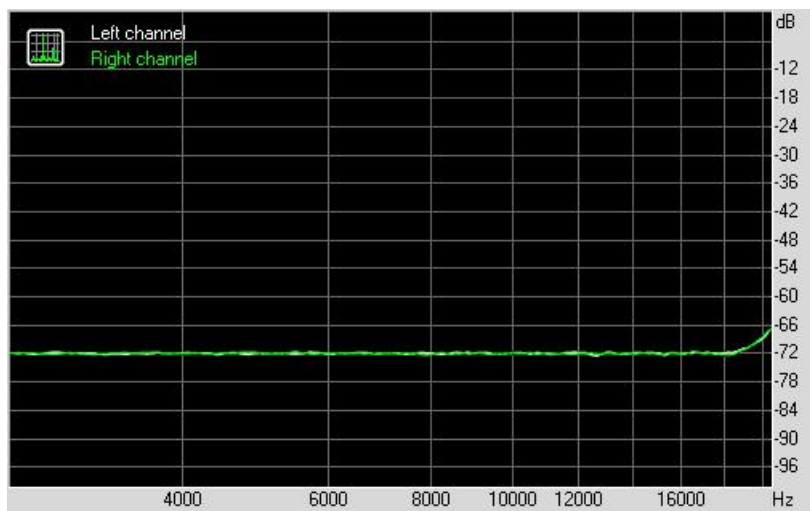
	Left	Right
IMD + Noise, %	+0.0261	+0.0261
IMD + Noise (A-weighted), %	+0.0223	+0.0221

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-76	-79
Crosstalk at 1000 Hz, dB	-81	-82
Crosstalk at 10000 Hz, dB	-66	-67

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.0252	0.0248
IMD + Noise at 10000 Hz,	0.0254	0.0253
IMD + Noise at 15000 Hz,	0.0254	0.0245