

RightMark Audio Analyzer test report

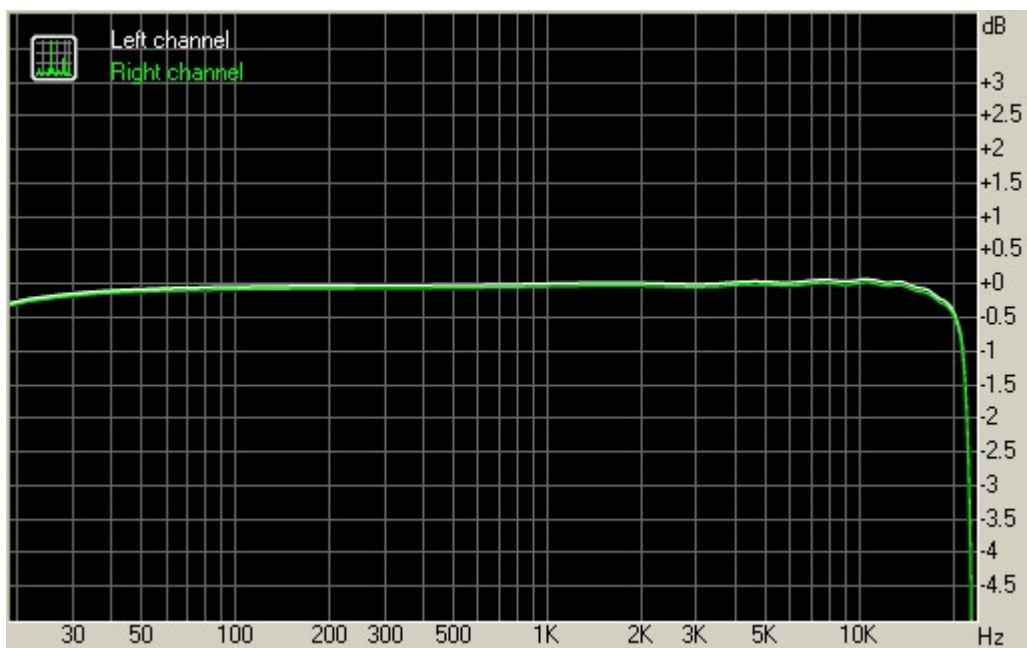
Testing device	Roland Duo Ex + OPFET
Sampling mode	24-bit, 48 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.1

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-1.3 dB / -1.3 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

Summary

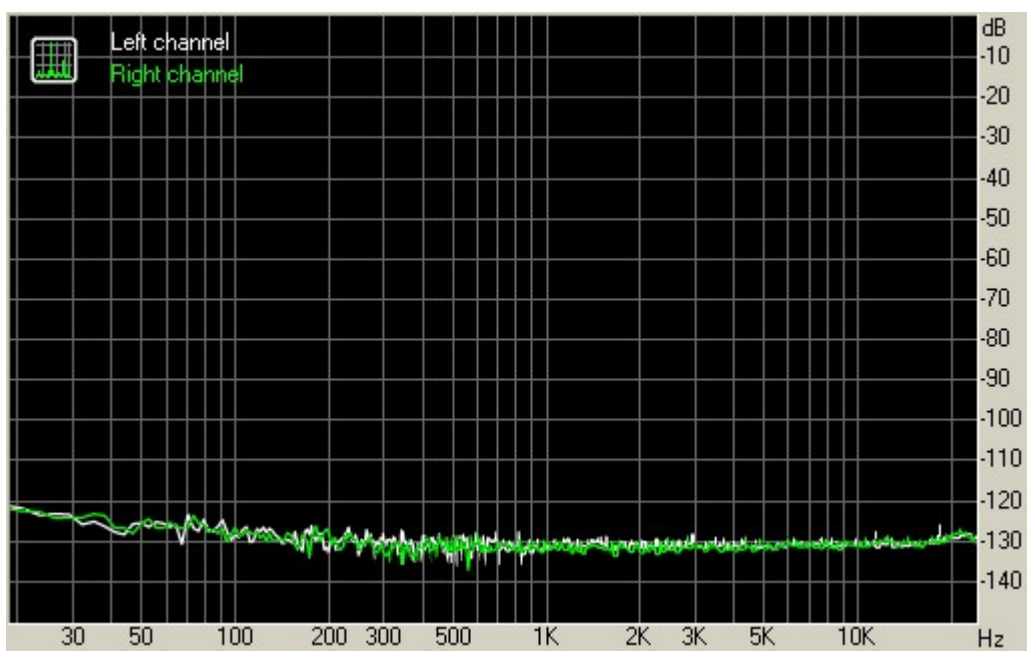
Frequency response (from 40 Hz to 15 kHz), dB	+0.07, -0.10	Very good
Noise level, dB (A)	-99.1	Excellent
Dynamic range, dB (A)	98.9	Excellent
THD, %	0.0022	Excellent
THD + Noise, dB (A)	-88.5	Good
IMD + Noise, %	0.0063	Excellent
Stereo crosstalk, dB	-98.1	Excellent
IMD at 10 kHz, %	0.0042	Excellent
General performance		Excellent

Frequency response



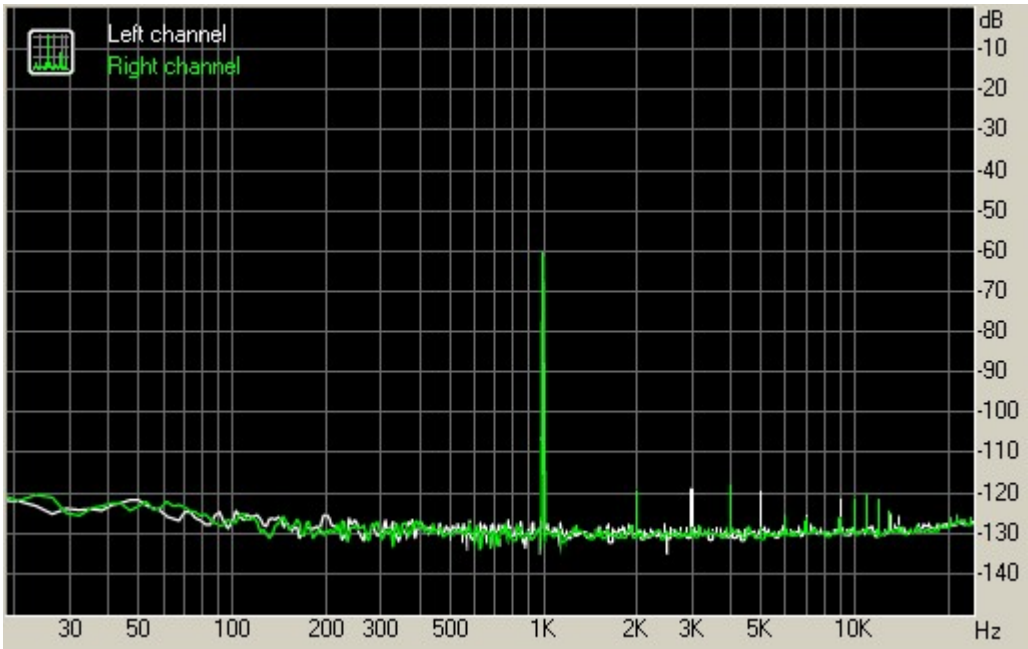
	Left	Right
From 20 Hz to 20 kHz, dB	-0.40, +0.07	-0.46, +0.02
From 40 Hz to 15 kHz, dB	-0.10, +0.07	-0.14, +0.02

Noise level



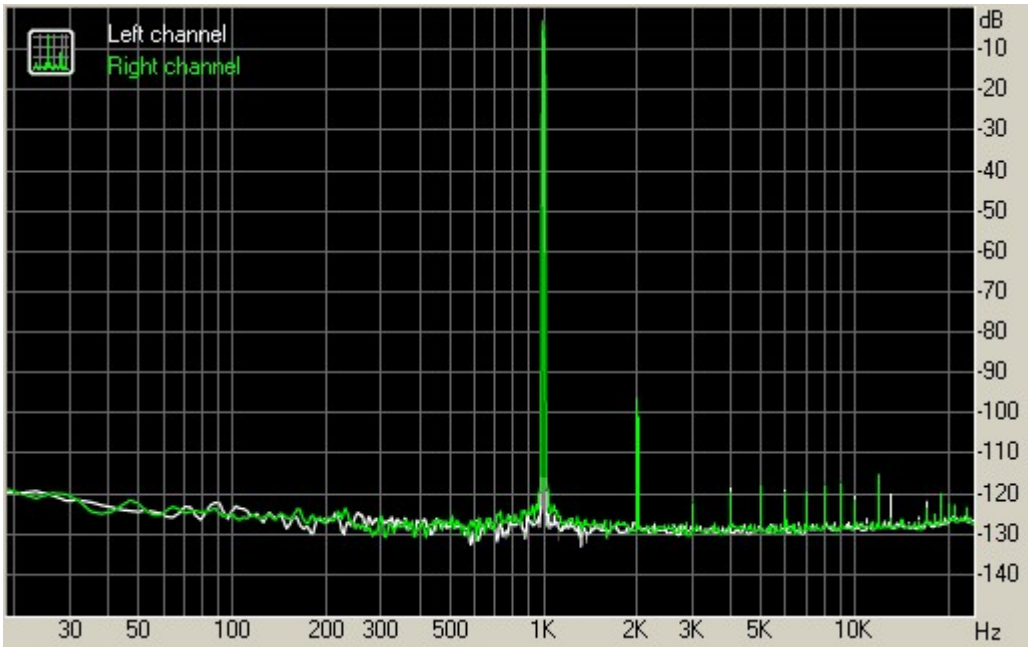
	Left	Right
RMS power, dB	-97.9	-98.0
RMS power (A-weighted), dB	-99.0	-99.3
Peak level, dB FS	-81.9	-82.1
DC offset, %	-0.0	-0.0

Dynamic range



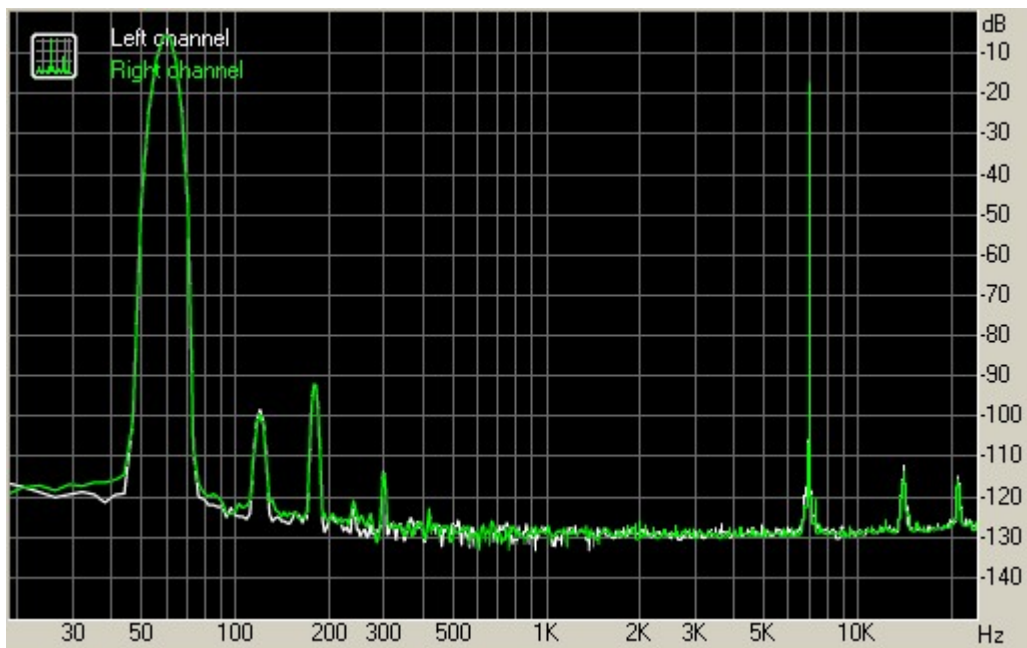
	Left	Right
Dynamic range, dB	+97.7	+97.9
Dynamic range (A-weighted), dB	+98.9	+99.0
DC offset, %	+0.00	+0.00

THD + Noise (at -3 dB FS)



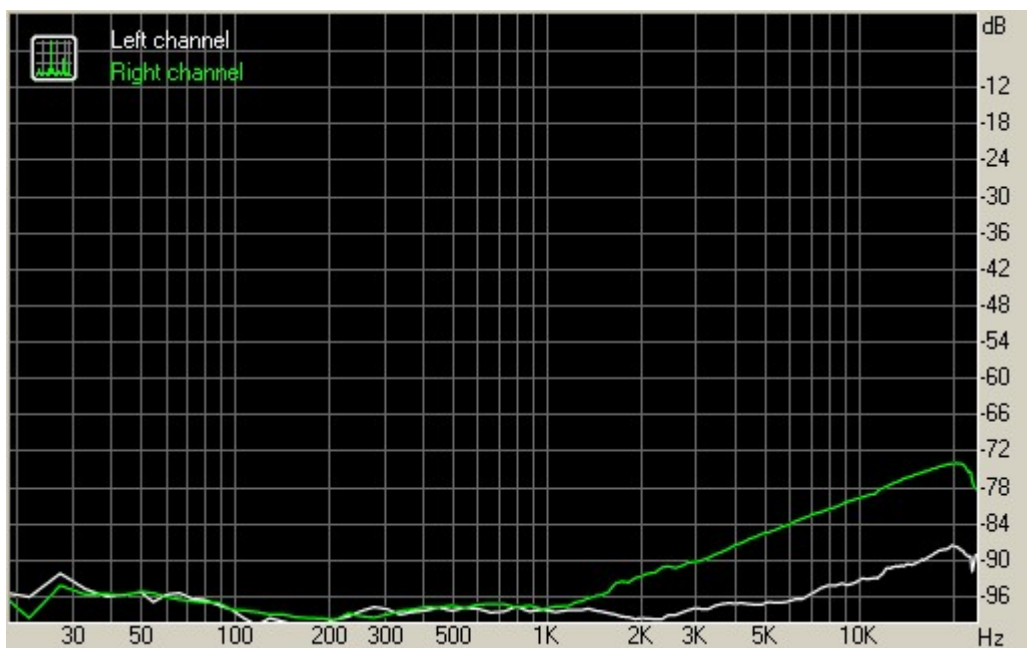
	Left	Right
THD, %	+0.0022	+0.0022
THD + Noise, %	+0.0035	+0.0036
THD + Noise (A-weighted), %	+0.0036	+0.0038

Intermodulation distortion



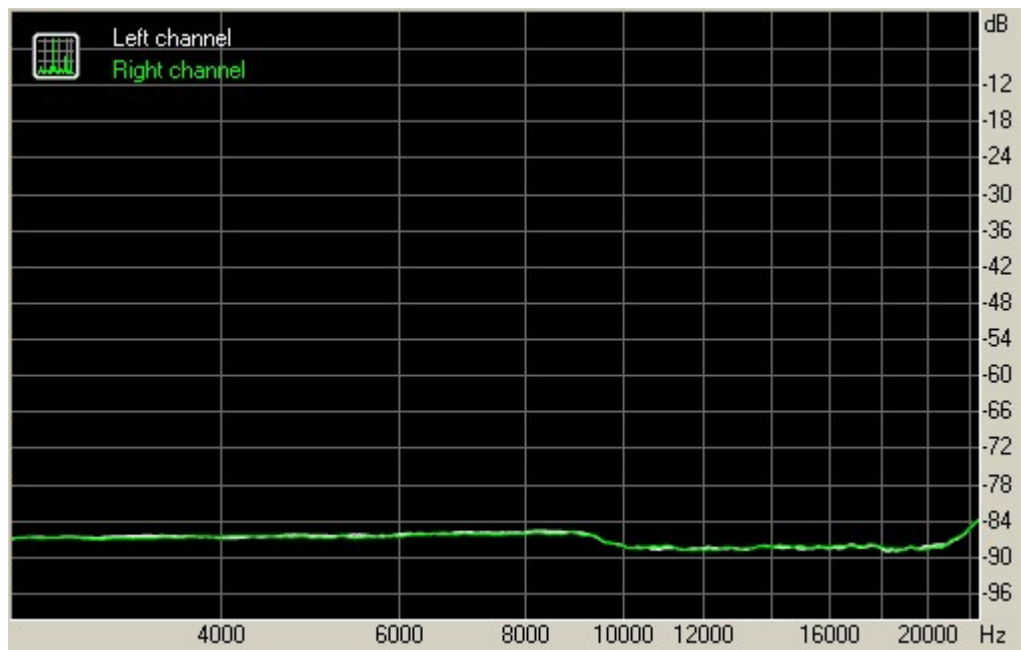
	Left	Right
IMD + Noise, %	+0.0063	+0.0063
IMD + Noise (A-weighted), %	+0.0035	+0.0035

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-98	-97
Crosstalk at 1000 Hz, dB	-97	-97
Crosstalk at 10000 Hz, dB	-92	-79

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.0048	0.0046
IMD + Noise at 10000 Hz,	0.0040	0.0039
IMD + Noise at 15000 Hz,	0.0037	0.0039