

RightMark Audio Analyzer test report

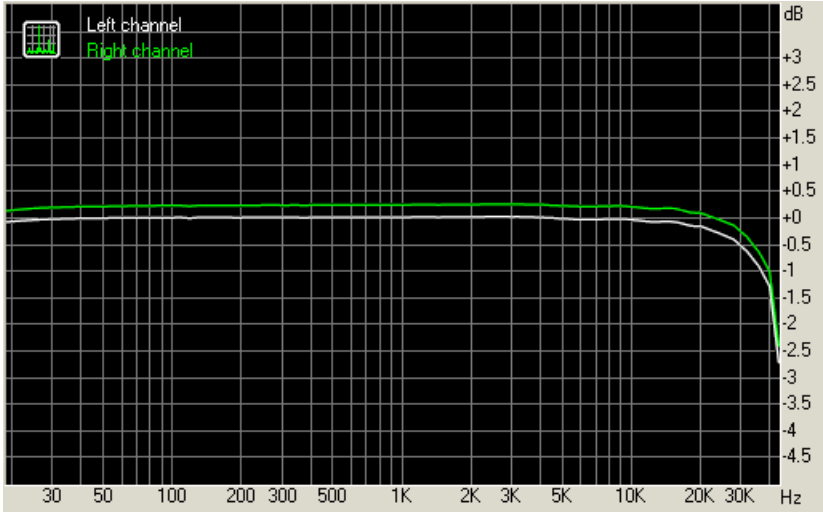
Testing device	SA220_test1
Sampling mode	24-bit, 96 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.1.1

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-7.3 dB / -7.1 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

Summary

Frequency response (from 40 Hz to 15 kHz), dB	+0.02, -0.08	Excellent
Noise level, dB (A)	-87.6	Good
Dynamic range, dB (A)	87.5	Good
THD, %	0.127	Average
THD + Noise, dB (A)	-55.6	Poor
IMD + Noise, %	0.129	Average
Stereo crosstalk, dB	-81.8	Very good
IMD at 10 kHz, %	0.068	Good
General performance		Good

Frequency response



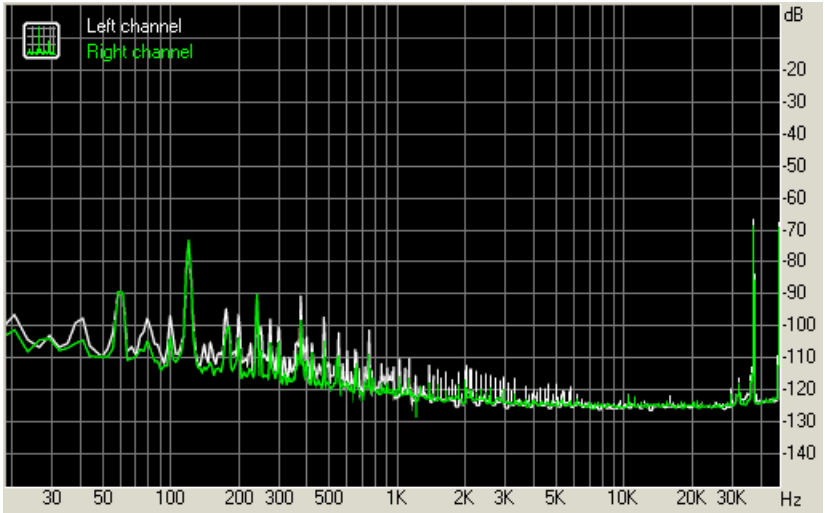
From 20 Hz to 20 kHz, dB

-0.16, +0.02

From 40 Hz to 15 kHz, dB

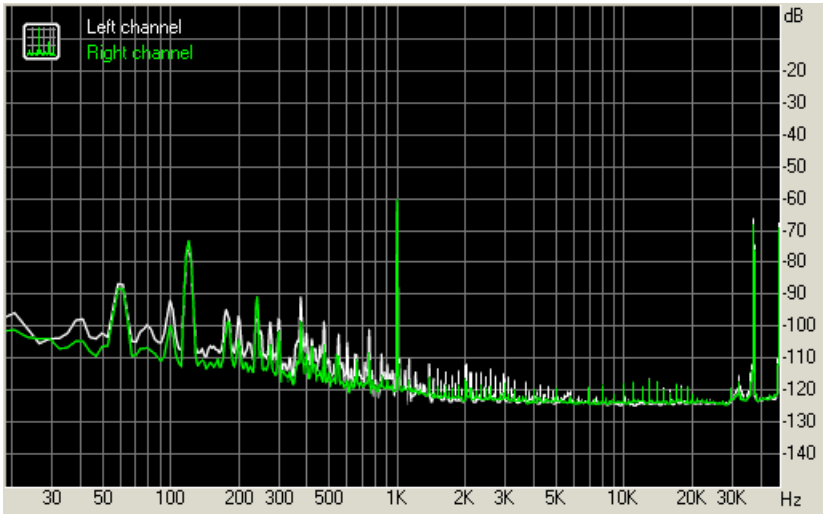
-0.08, +0.02

Noise level



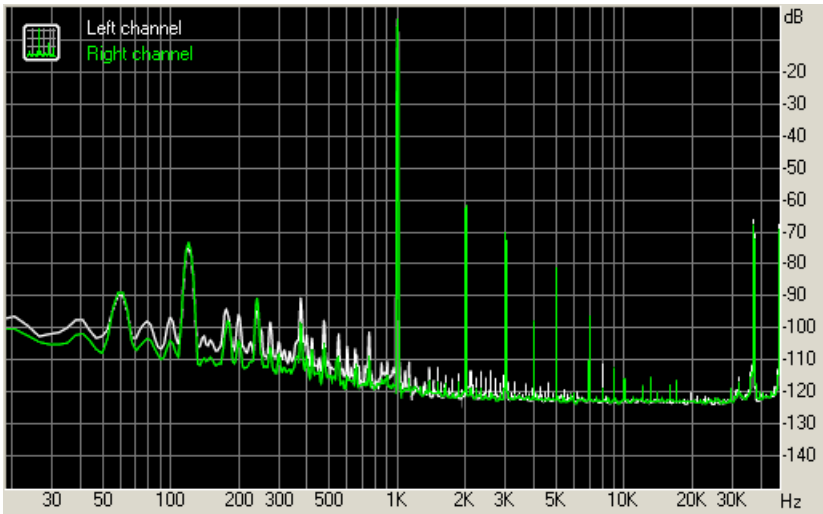
	Left	Right
RMS power, dB	-76.8	-76.0
RMS power (A-weighted), dB	-87.3	-87.9
Peak level, dB FS	-55.7	-56.1
DC offset, %	-0.0	-0.0

Dynamic range



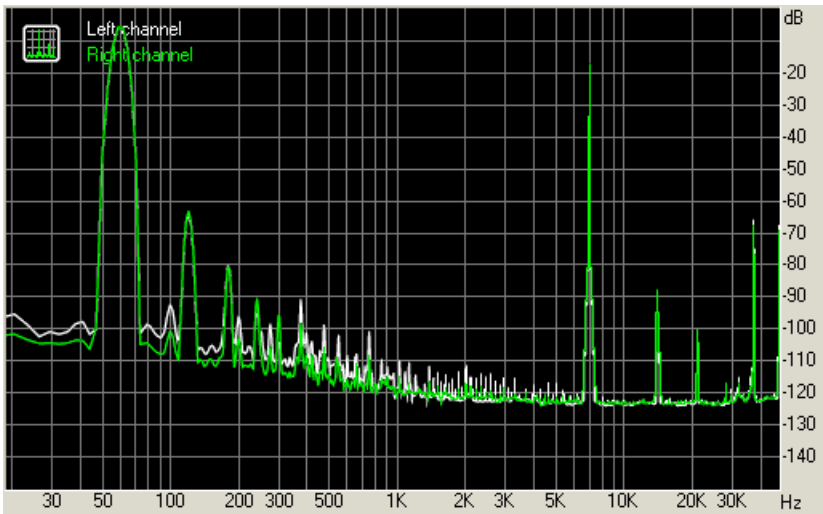
	Left	Right
Dynamic range, dB	+76.1	+75.6
Dynamic range (A-weighted), dB	+87.1	+87.8
DC offset, %	-0.00	-0.00

THD + Noise (at -3 dB FS)



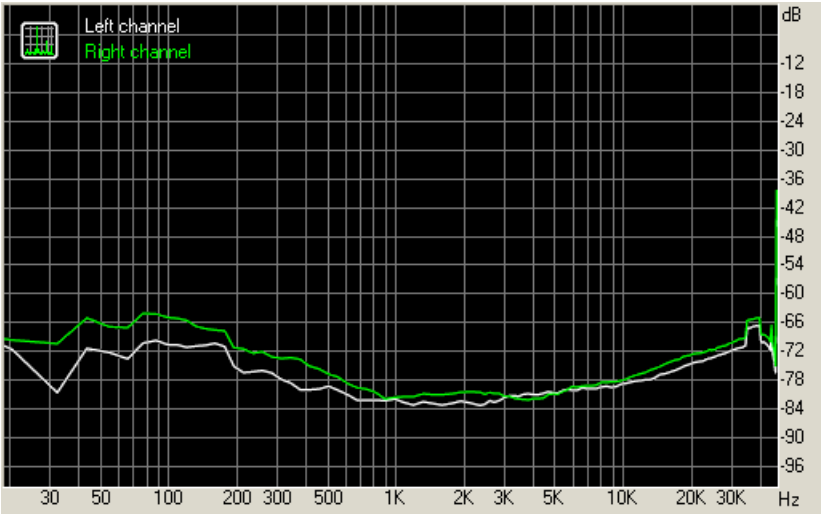
	Left	Right
THD, %	+0.1288	+0.1256
THD + Noise, %	+0.1329	+0.1299
THD + Noise (A-weighted), %	+0.1685	+0.1645

Intermodulation distortion



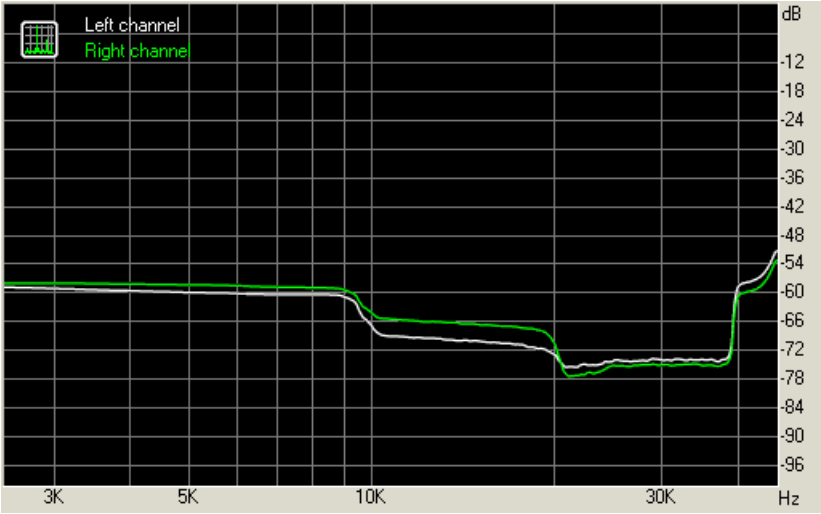
	Left	Right
IMD + Noise, %	+0.1268	+0.1303
IMD + Noise (A-weighted), %	+0.0662	+0.0678

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-70	-64
Crosstalk at 1000 Hz, dB	-81	-81
Crosstalk at 10000 Hz, dB	-78	-77

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.1012	0.1213
IMD + Noise at 10000 Hz,	0.0446	0.0613
IMD + Noise at 15000 Hz,	0.0315	0.0468