

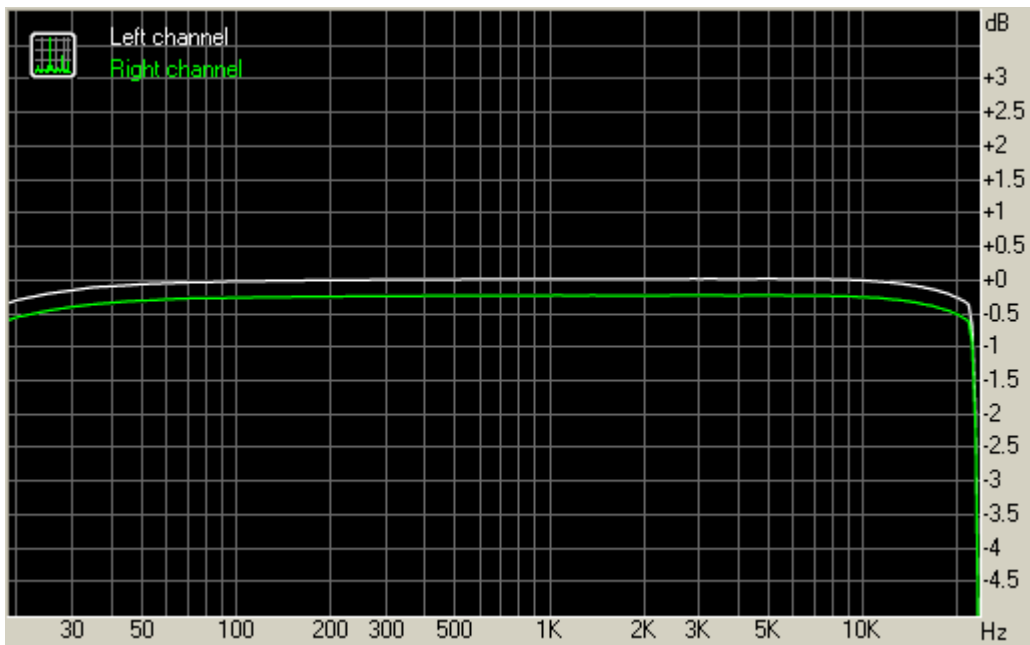
RightMark Audio Analyzer test report

Testing device	Marantz PM-94
Sampling mode	24-bit, 48 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.2.3 PRO
20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-0.2 dB / -0.4 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

Summary

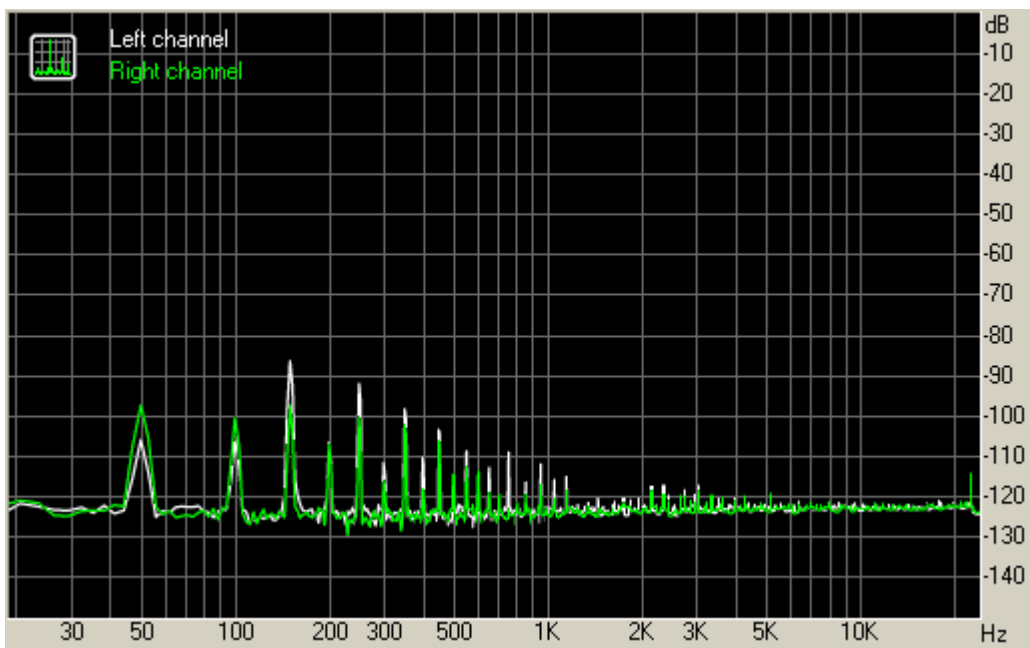
Frequency response (from 40 Hz to 15 kHz), dB	+0.02, -0.09	Excellent
Noise level, dB (A)	-90.2	Very good
Dynamic range, dB (A)	90.2	Very good
THD, %	0.027	Good
THD + Noise, dB (A)	-68.3	Average
IMD + Noise, %	0.031	Good
Stereo crosstalk, dB	-77.4	Very good
IMD at 10 kHz, %	0.027	Good
General performance		Very good

Frequency response



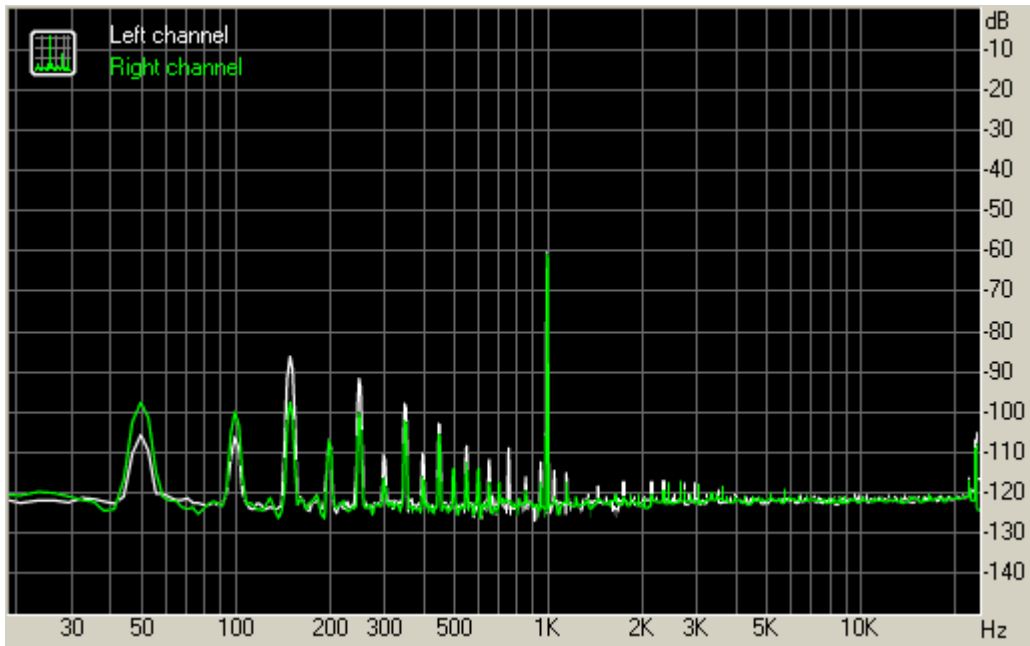
From 20 Hz to 20 kHz, dB -0.30, +0.02
 From 40 Hz to 15 kHz, dB -0.09, +0.02

Noise level



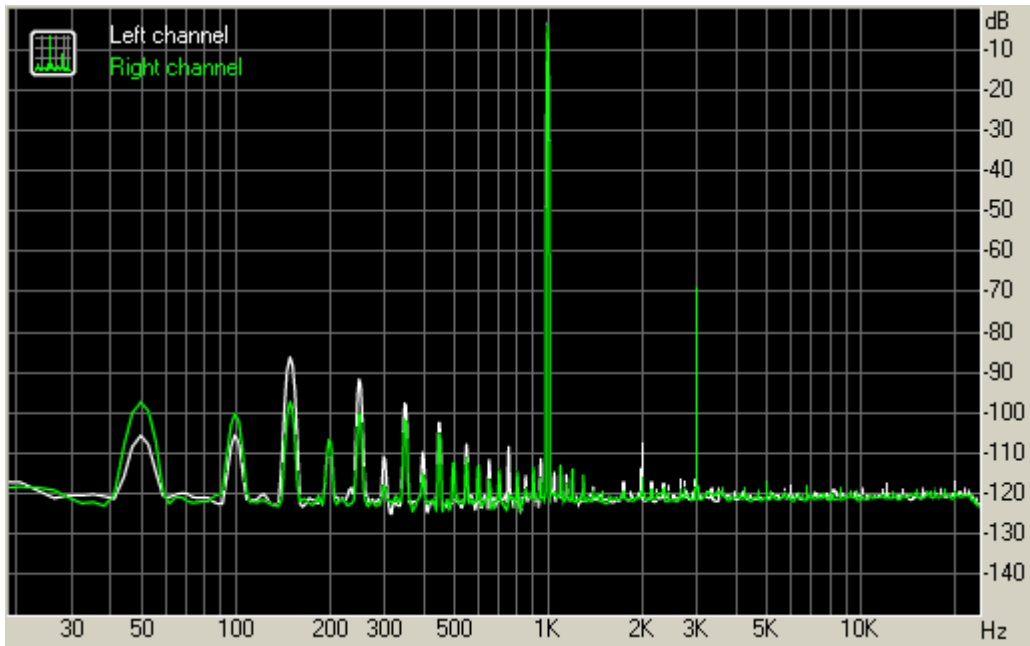
	Left	Right
RMS power, dB	-85.5	-88.5
RMS power (A-weighted), dB	-89.7	-90.6
Peak level, dB FS	-73.9	-73.9
DC offset, %	-0.0	-0.0

Dynamic range



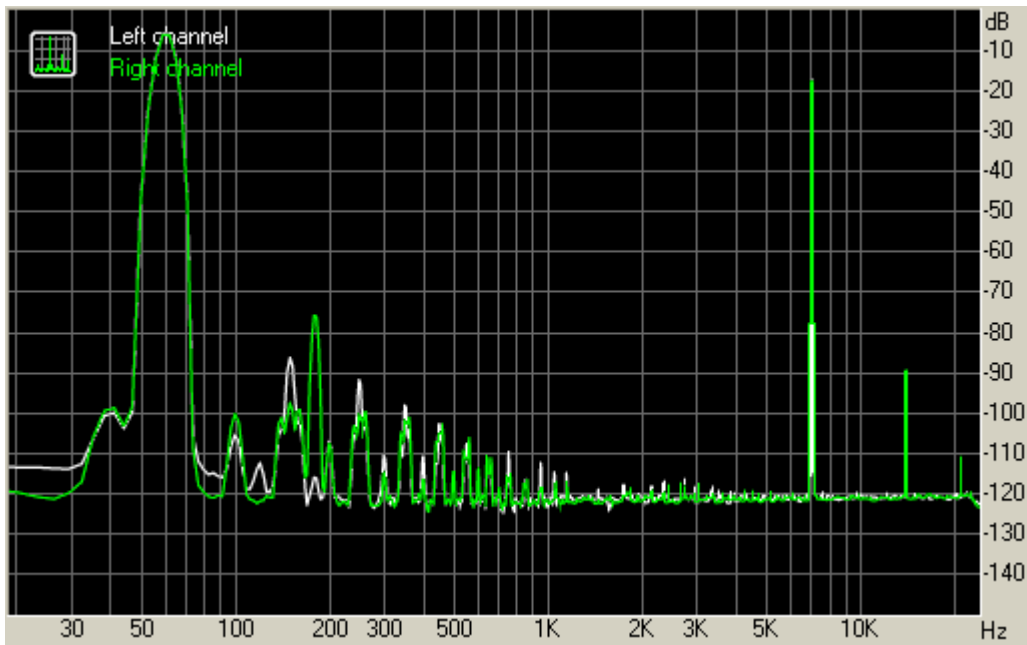
	Left	Right
Dynamic range, dB	+85.5	+88.7
Dynamic range (A-weighted), dB	+89.7	+90.6
DC offset, %	-0.00	-0.00

THD + Noise (at -3 dB FS)



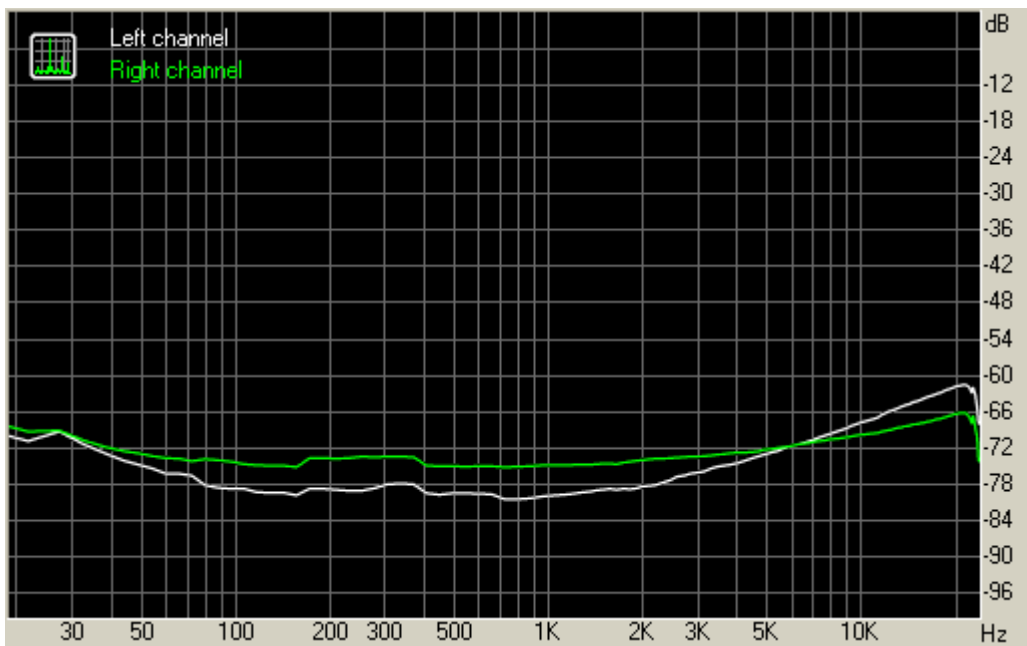
	Left	Right
THD, %	+0.0011	+0.0522
THD + Noise, %	+0.0106	+0.0527
THD + Noise (A-weighted), %	+0.0066	+0.0705

Intermodulation distortion



	Left	Right
IMD + Noise, %	+0.0136	+0.0478
IMD + Noise (A-weighted), %	+0.0083	+0.0361

Stereo crosstalk

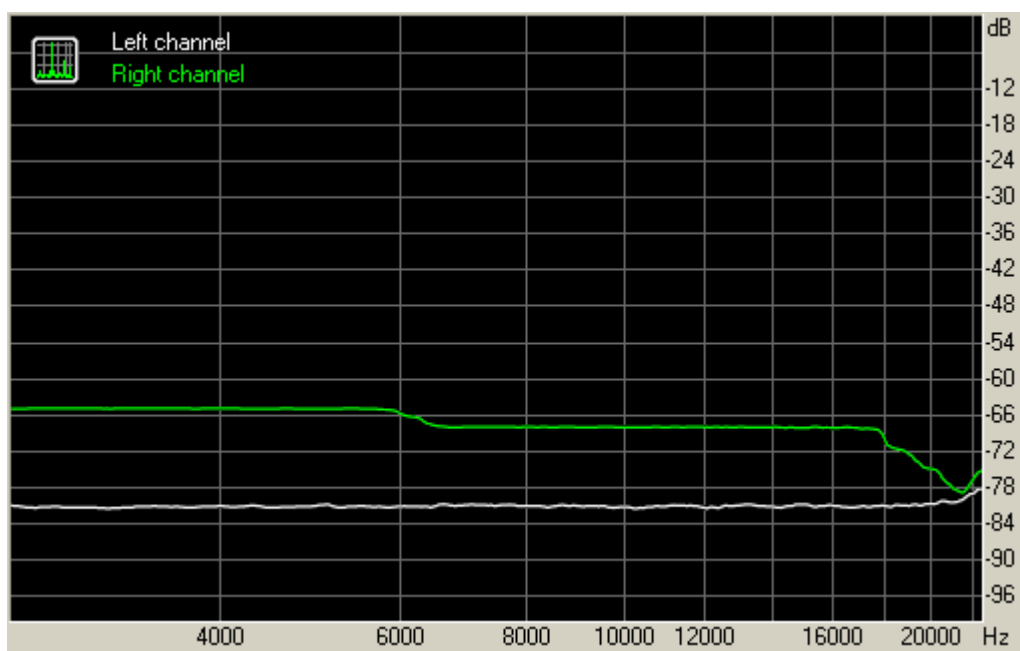


	Left	Right
Crosstalk at 100 Hz, dB	-78	-73
Crosstalk at 1000 Hz, dB	-79	-74

Crosstalk at 10000 Hz, dB

-67

-69

IMD (swept tones)

	Left	Right
IMD + Noise at 5000 Hz,	0.0089	0.0561
IMD + Noise at 10000 Hz,	0.0086	0.0395
IMD + Noise at 15000 Hz,	0.0091	0.0392