

# RightMark Audio Analyzer test report

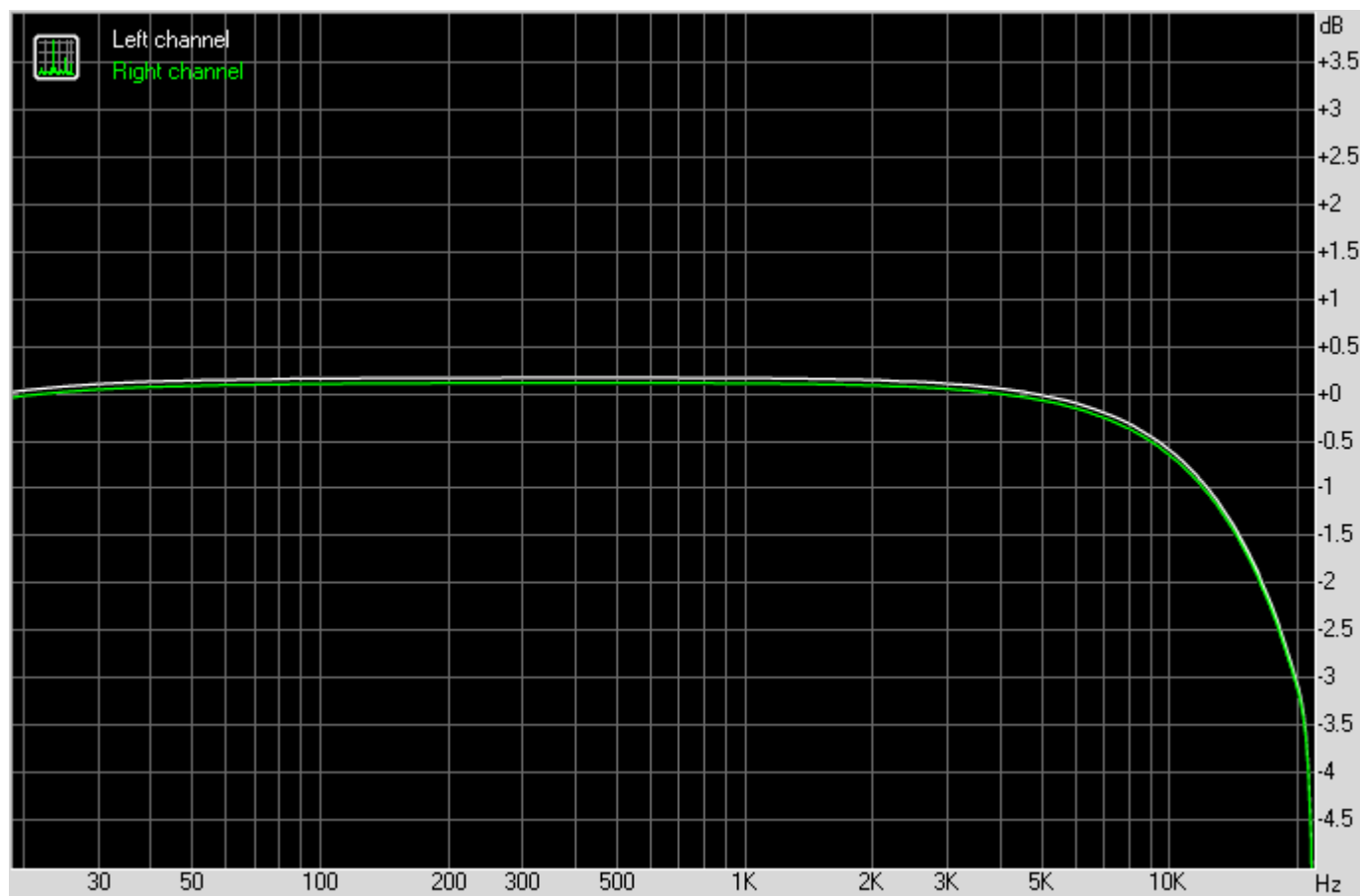
Testing device	[DirectSound] ss3601 24 44.1
Sampling mode	24-bit, 44 kHz
Interface	DirectSound
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-0.3 dB / -0.3 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

## Summary

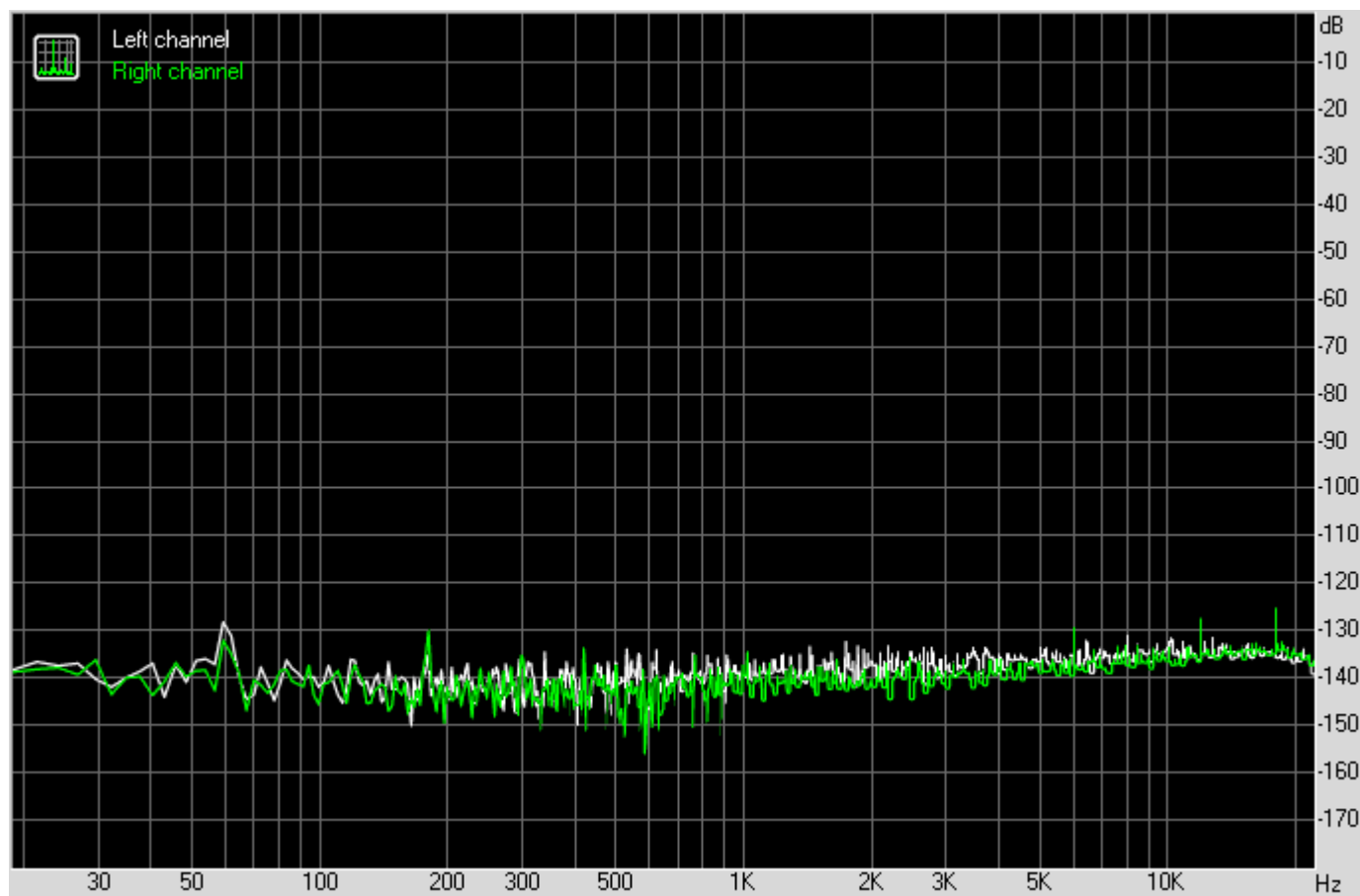
Frequency response (from 40 Hz to 15 kHz), dB	+0.11, -1.66	Average
Noise level, dB (A)	-107.1	Excellent
Dynamic range, dB (A)	109.9	Excellent
THD, %	0.00271	Excellent
THD + Noise, dB (A)	-89.0	Good
IMD + Noise, %	0.00330	Excellent
Stereo crosstalk, dB	-86.8	Excellent
IMD at 10 kHz, %	0.200	Average
<b>General performance</b>		<b>Very good</b>

## Frequency response



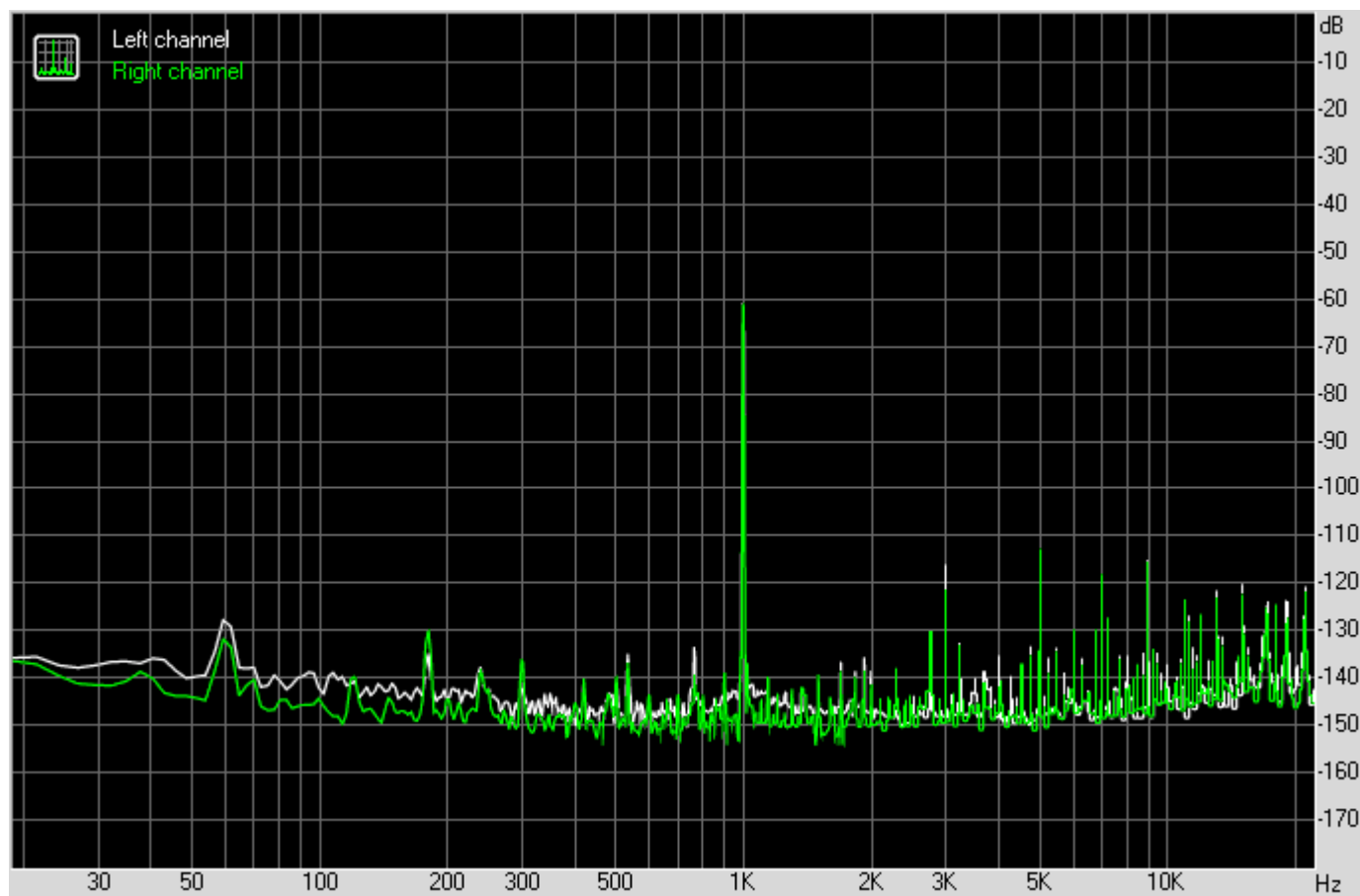
	Left	Right
From 20 Hz to 20 kHz, dB	-3.09, +0.17	-3.15, +0.11
From 40 Hz to 15 kHz, dB	-1.60, +0.17	-1.66, +0.11

## Noise level



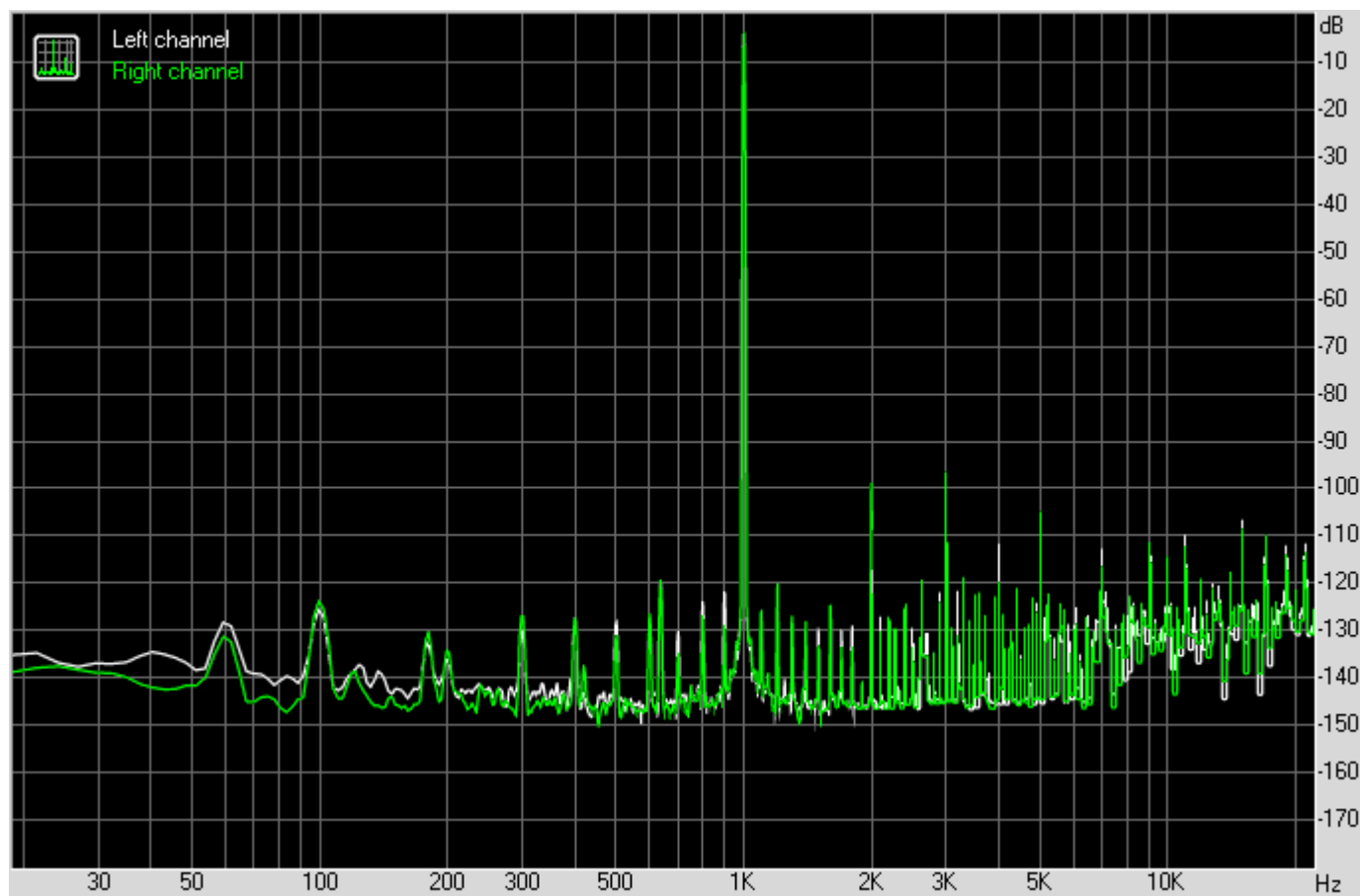
	Left	Right
RMS power, dB	-105.2	-105.9
RMS power (A-weighted), dB	-106.4	-107.8
Peak level, dB FS	-87.8	-88.4
DC offset, %	+0.0	+0.0

**Dynamic range**



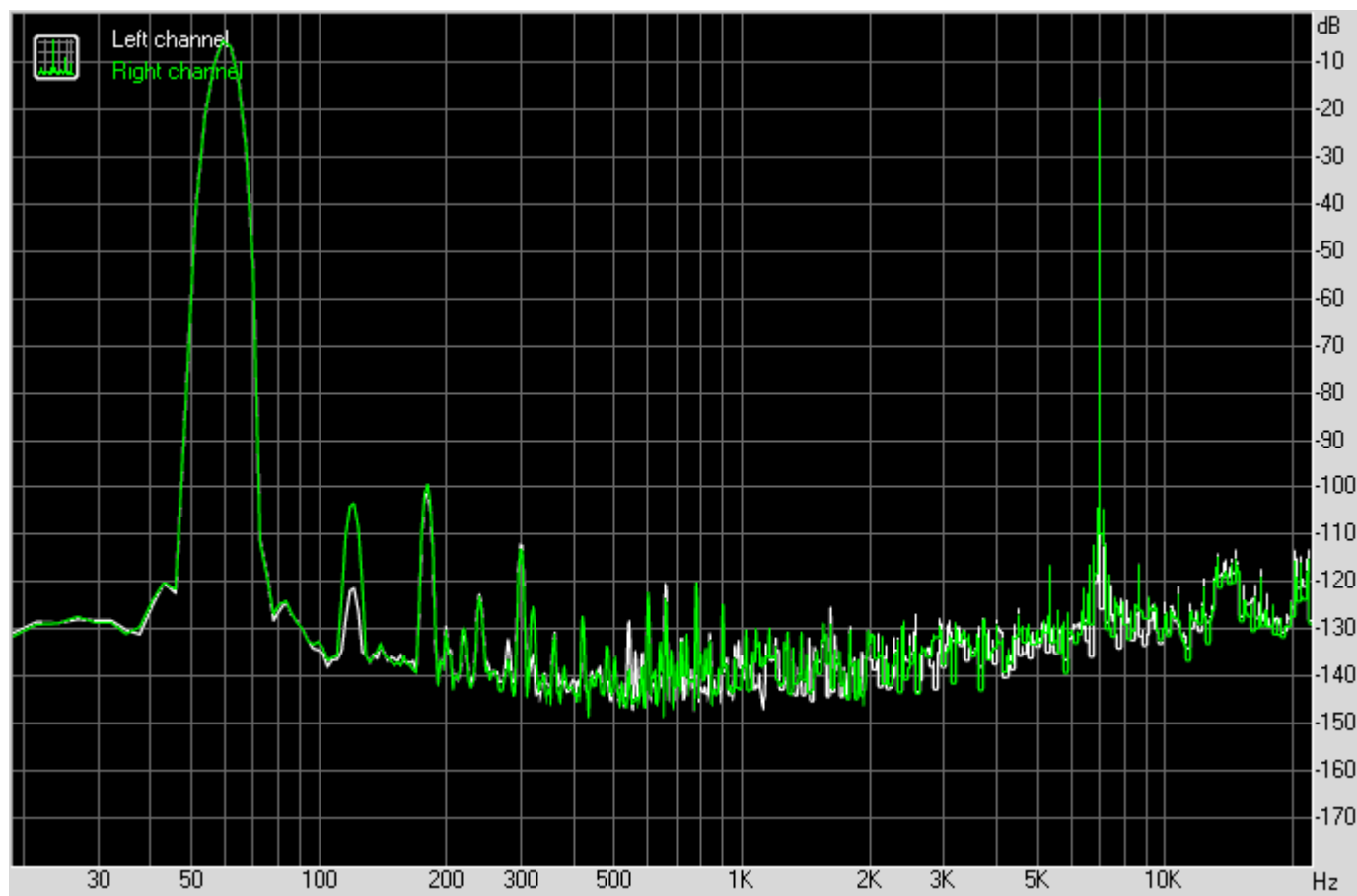
	Left	Right
Dynamic range, dB	+109.4	+109.7
Dynamic range (A-weighted), dB	+109.6	+110.1
DC offset, %	+0.00	+0.00

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



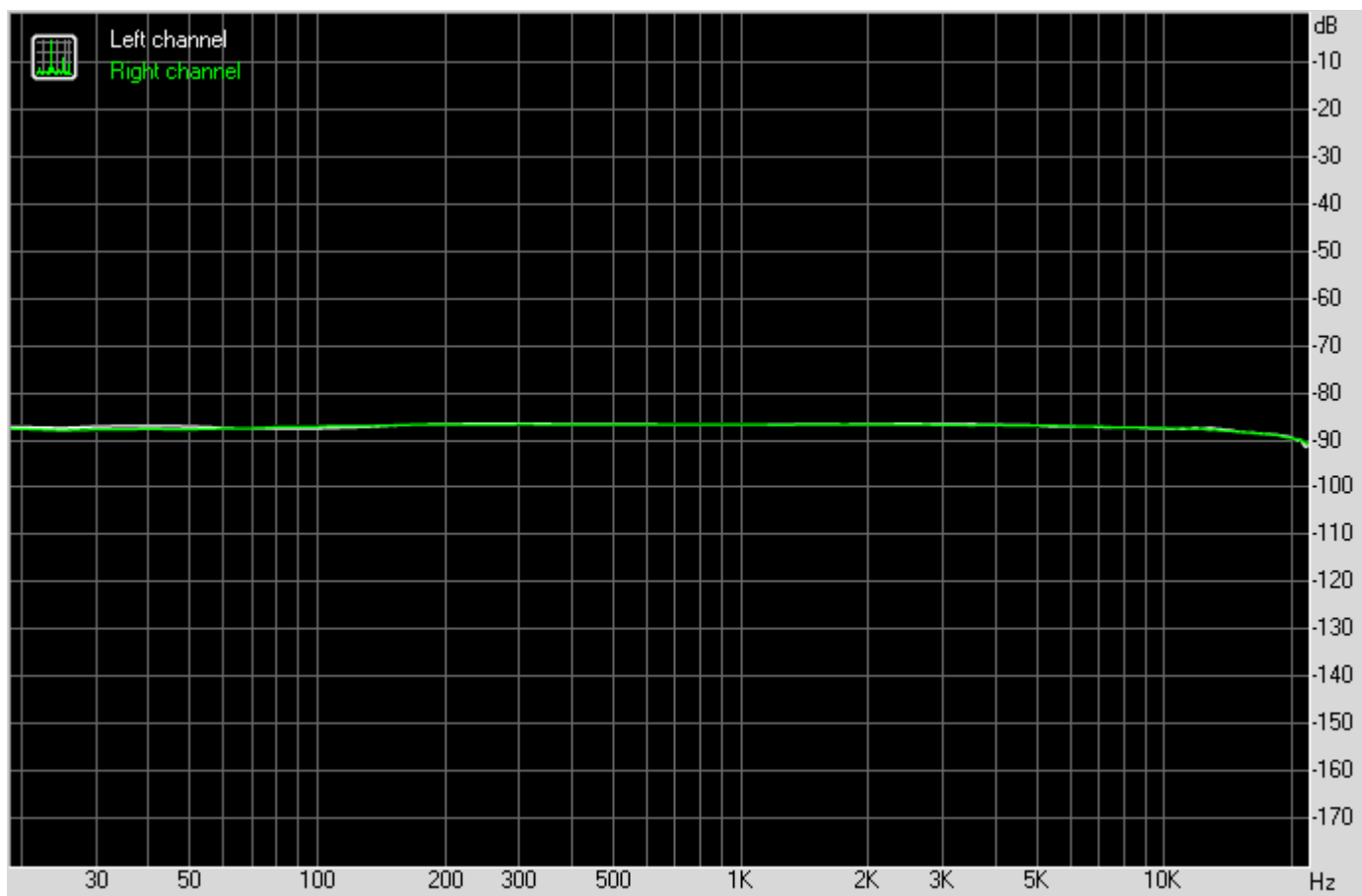
	Left	Right
THD, %	0.00230	0.00311
THD + Noise, %	0.00261	0.00332
THD + Noise (A-weighted), %	0.00298	0.00408

### Intermodulation distortion



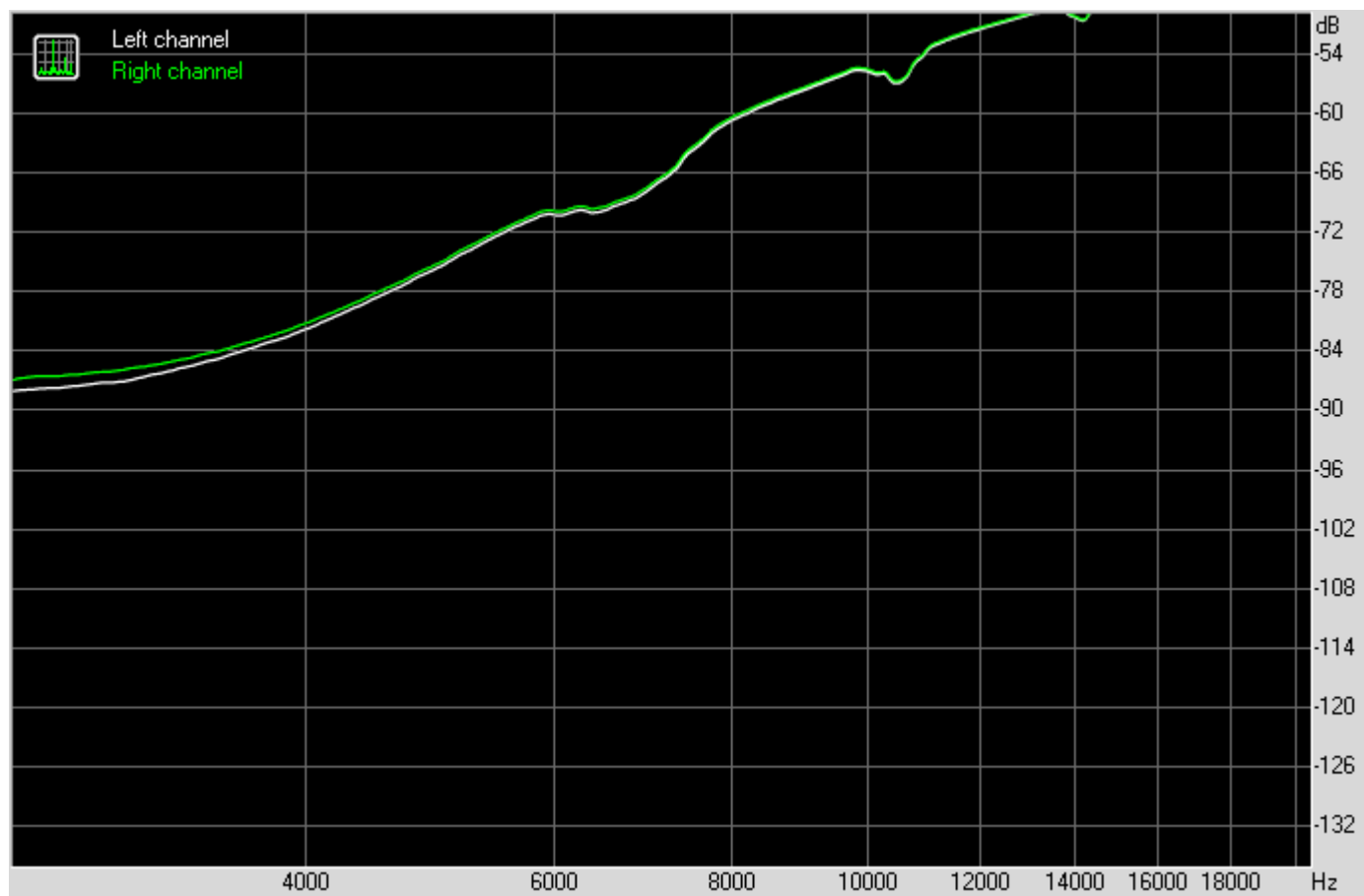
	Left	Right
IMD + Noise, %	0.00303	0.00357
IMD + Noise (A-weighted), %	0.00217	0.00248

### Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-87	-86
Crosstalk at 1000 Hz, dB	-86	-86
Crosstalk at 10000 Hz, dB	-87	-87

### IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.01702	0.01787
IMD + Noise at 10000 Hz,	0.16259	0.16736
IMD + Noise at 15000 Hz,	0.41340	0.41940