

## RightMark Audio Analyzer test report

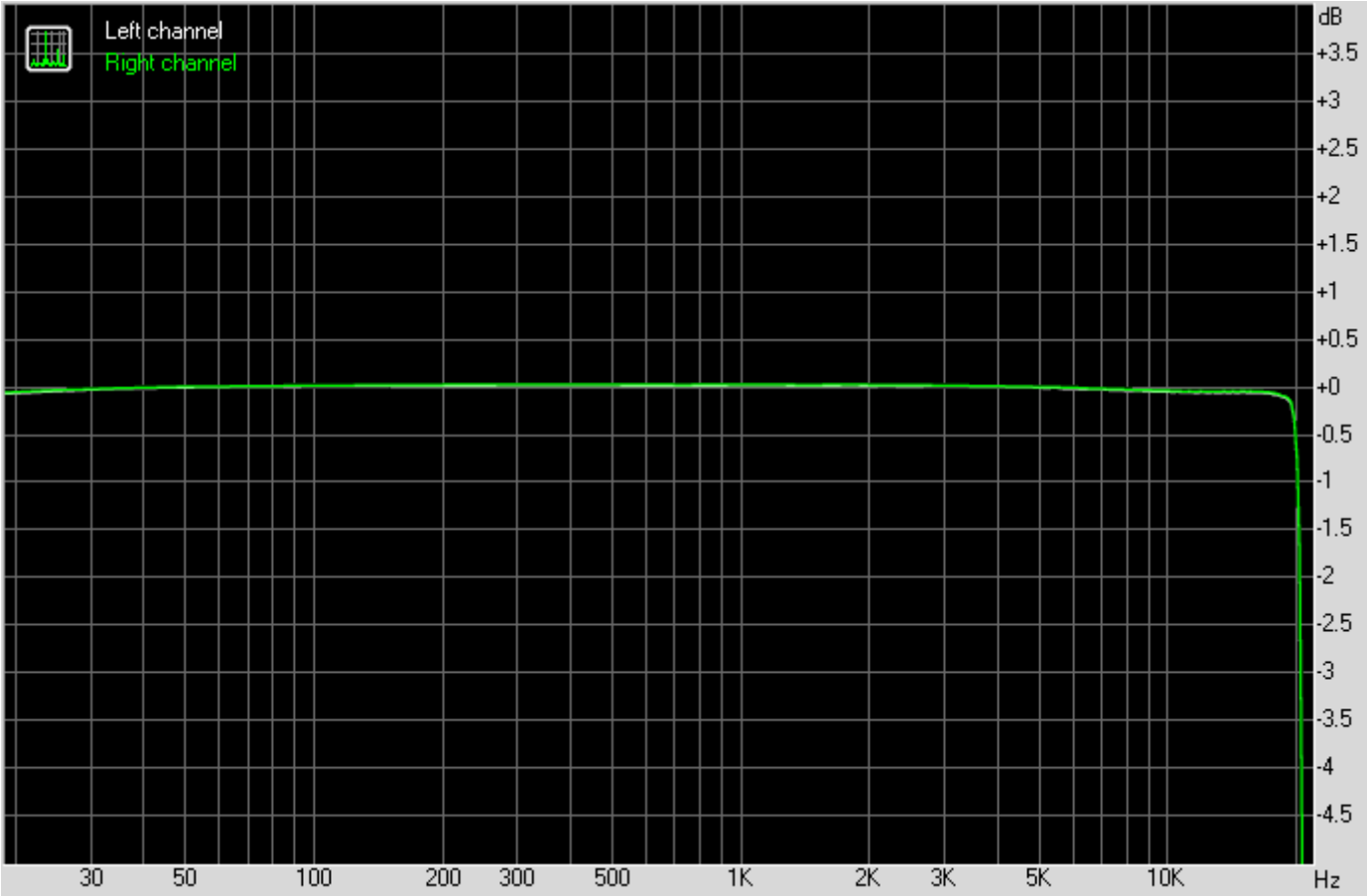
Testing device	[MME] Out 3-4 (M4)
Sampling mode	24-bit, 44 kHz
Interface	MME
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-11.2 dB / -11.2 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	correct/correct

### Summary

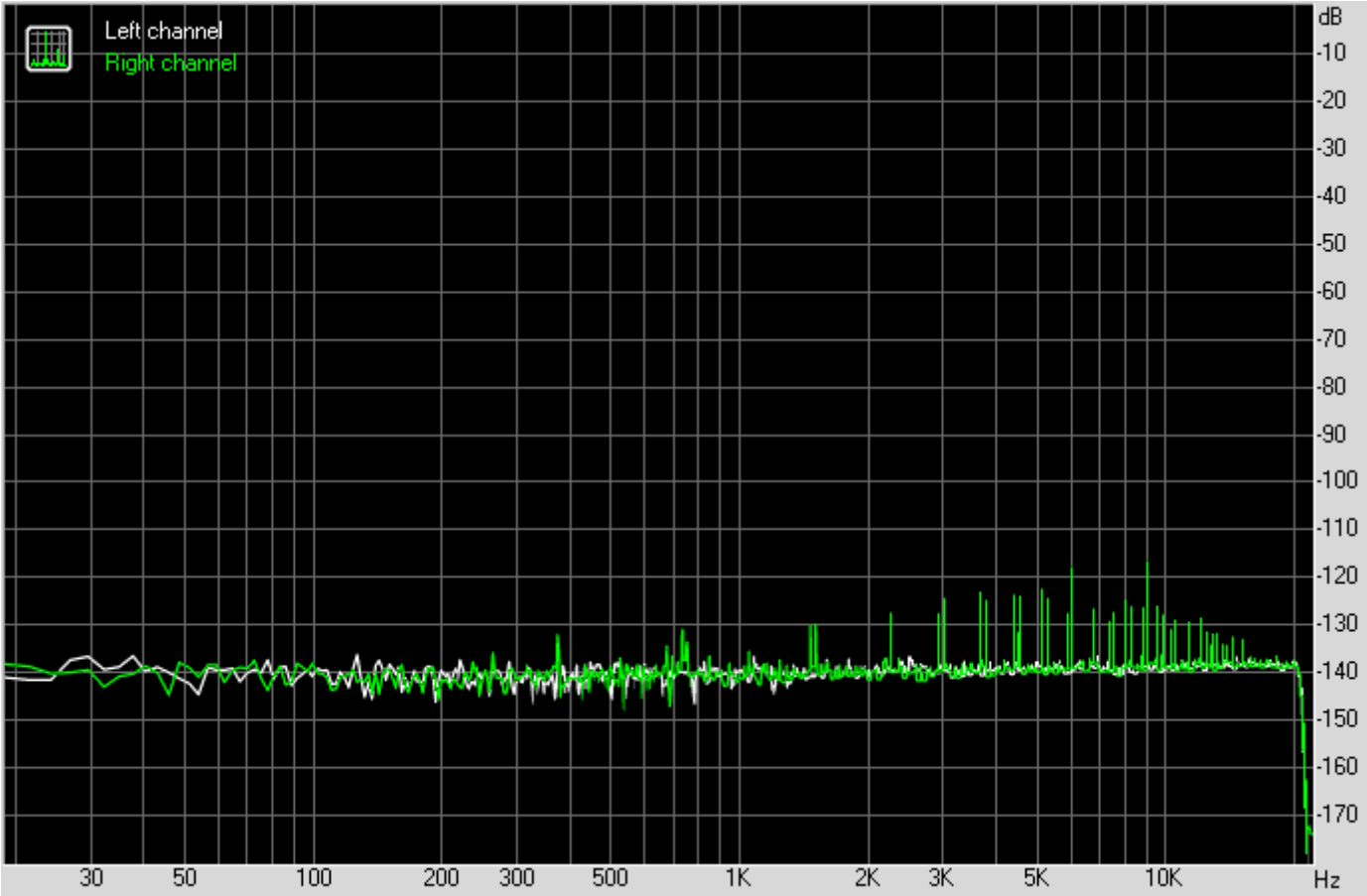
Frequency response (from 40 Hz to 15 kHz), dB	+0.02, -0.06	Excellent
Noise level, dB (A)	-106.4	Excellent
Dynamic range, dB (A)	105.5	Excellent
THD, %	0.00036	Excellent
THD + Noise, dB (A)	-66.2	Average
IMD + Noise, %	0.094	Good
Stereo crosstalk, dB	-106.6	Excellent
IMD at 10 kHz, %	0.00179	Excellent
<b>General performance</b>		<b>Very good</b>

### Frequency response



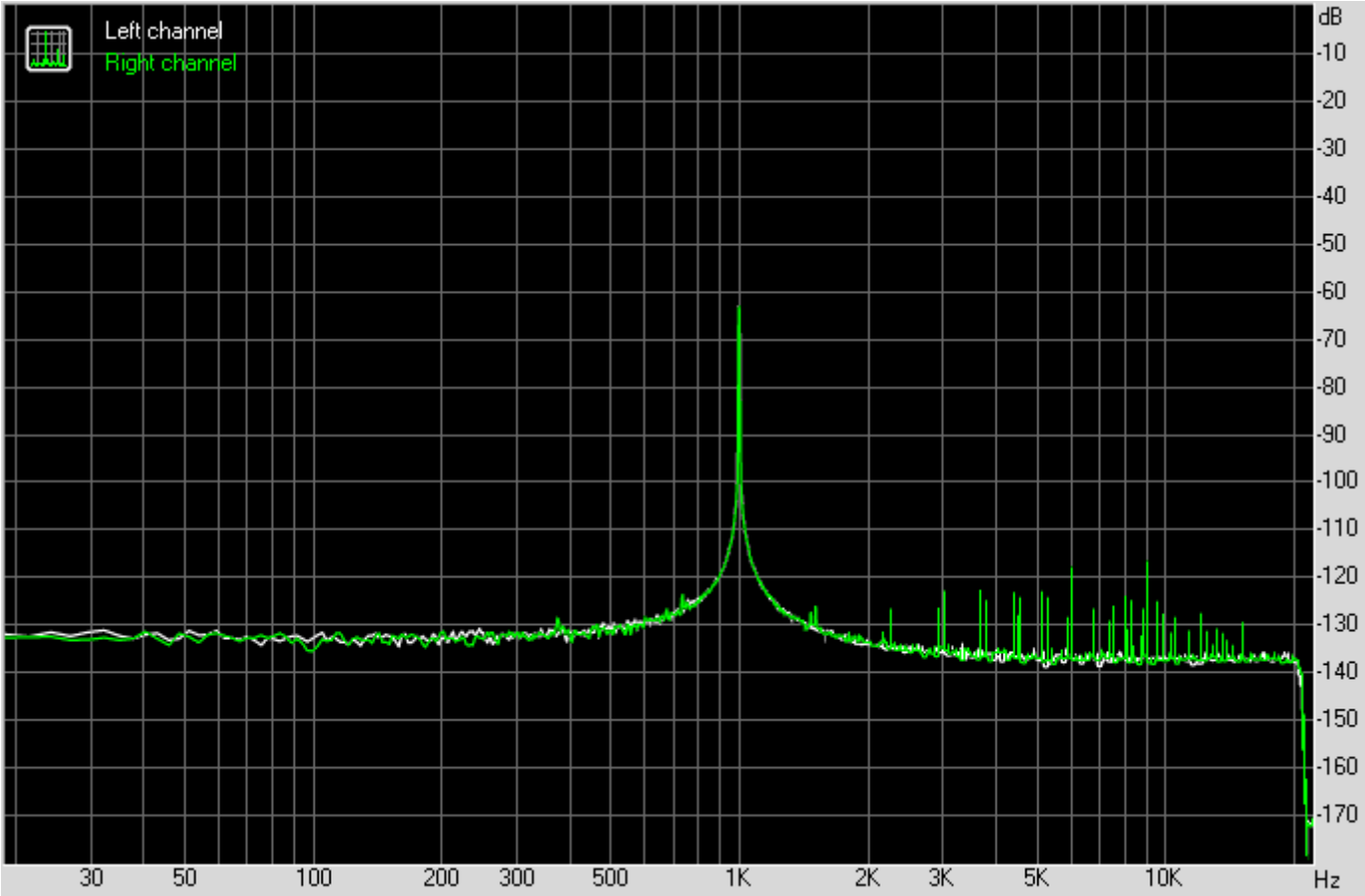
	Left	Right
From 20 Hz to 20 kHz, dB	-0.74, +0.02	-0.72, +0.03
From 40 Hz to 15 kHz, dB	-0.06, +0.02	-0.05, +0.03

Noise level



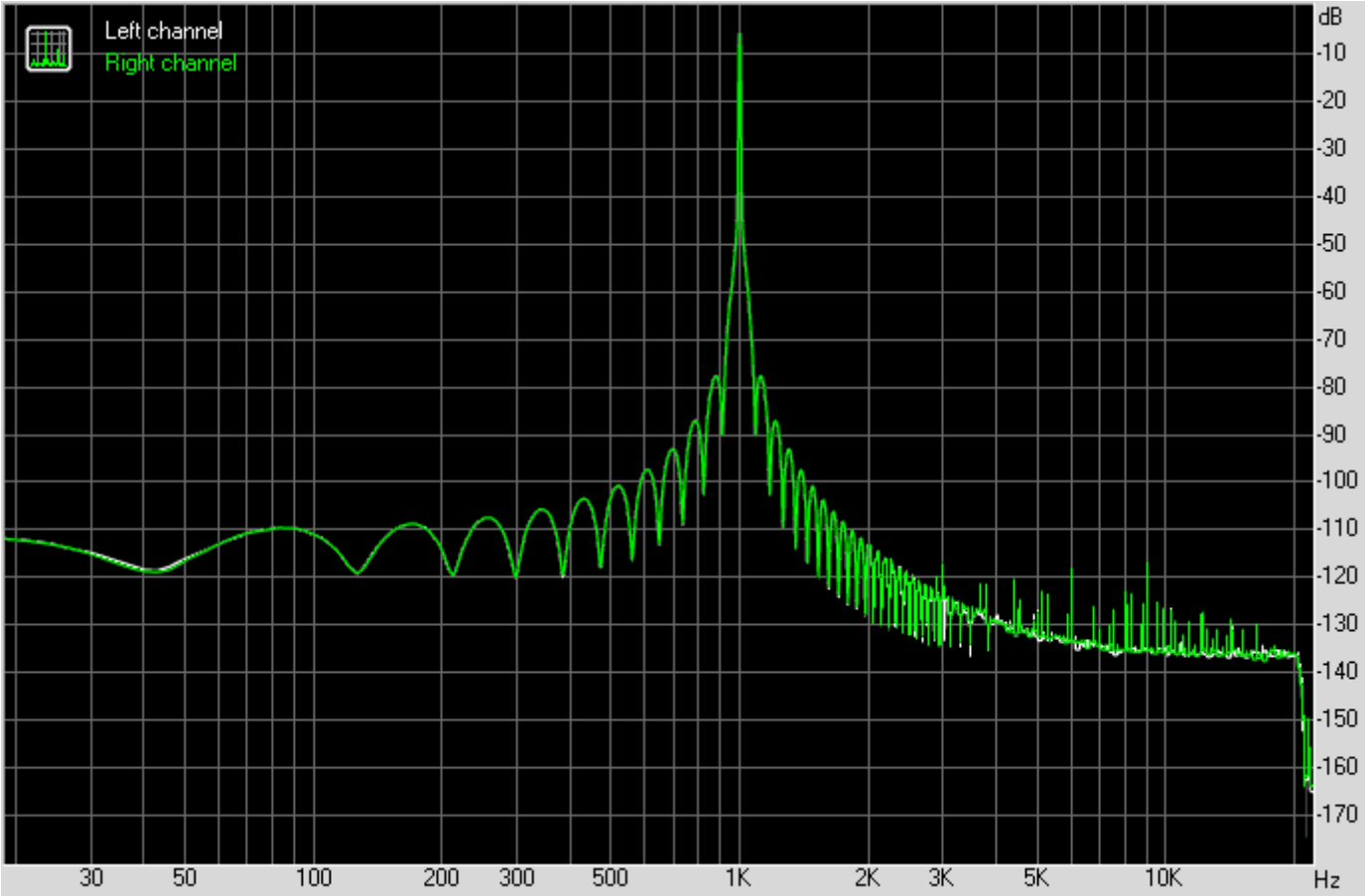
	Left	Right
RMS power, dB	-105.9	-105.1
RMS power (A-weighted), dB	-106.9	-105.8
Peak level, dB FS	-61.3	-61.3
DC offset, %	-0.0	-0.0

Dynamic range



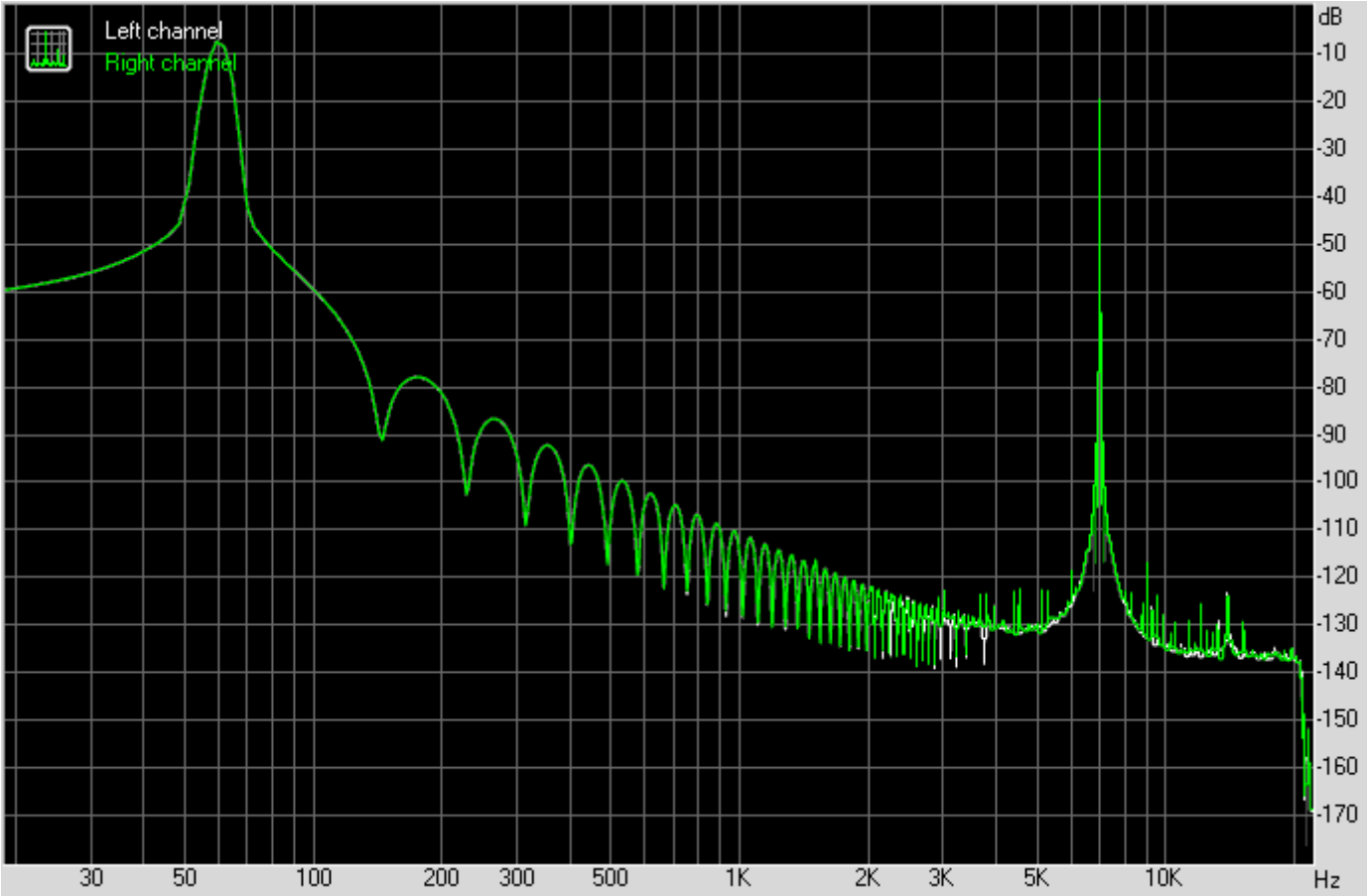
	Left	Right
Dynamic range, dB	+105.2	+104.6
Dynamic range (A-weighted), dB	+105.9	+105.0
DC offset, %	+0.00	+0.00

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



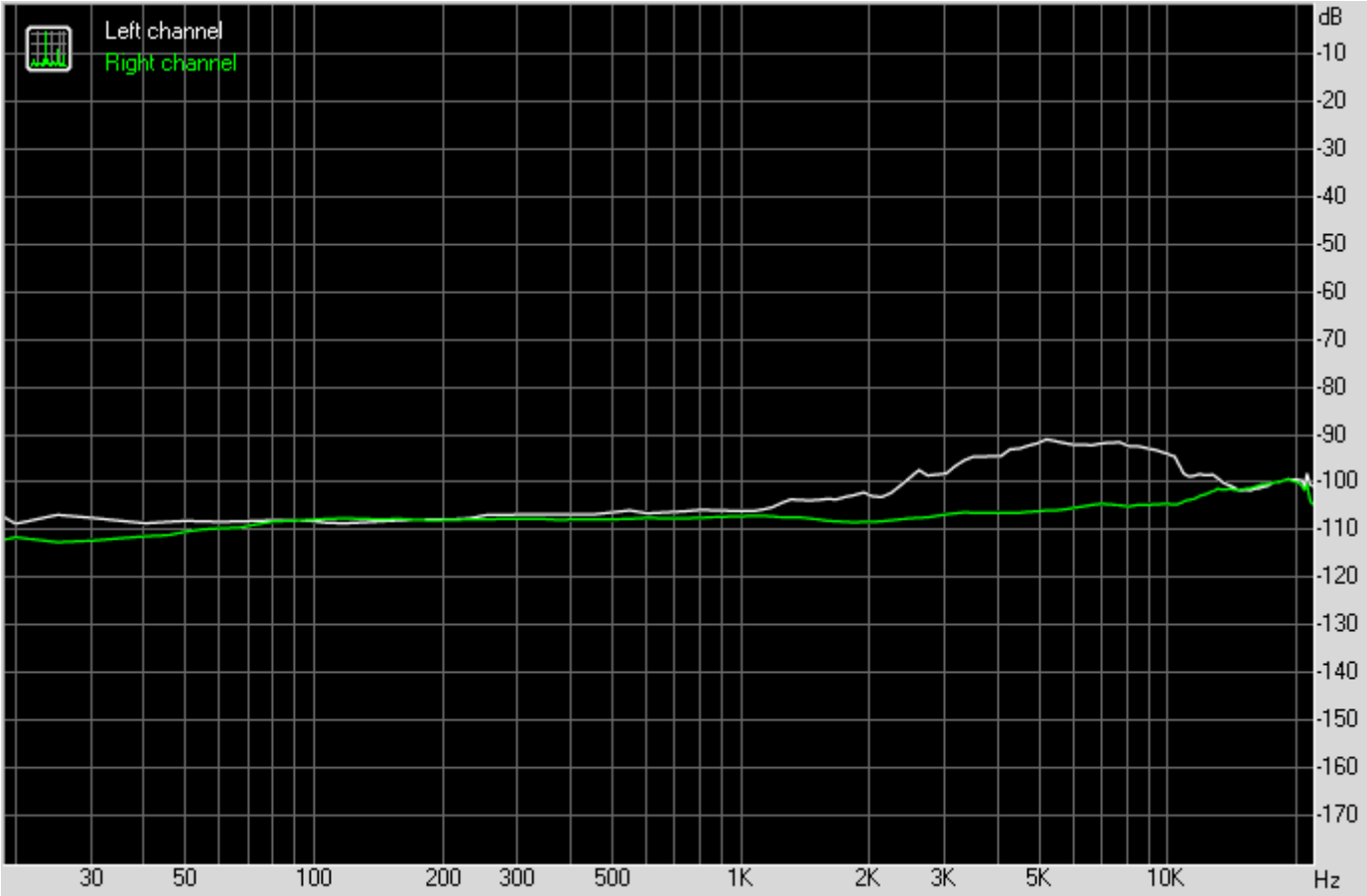
	Left	Right
THD, %	0.00027	0.00044
THD + Noise, %	0.04408	0.04408
THD + Noise (A-weighted), %	0.04875	0.04876

Intermodulation distortion



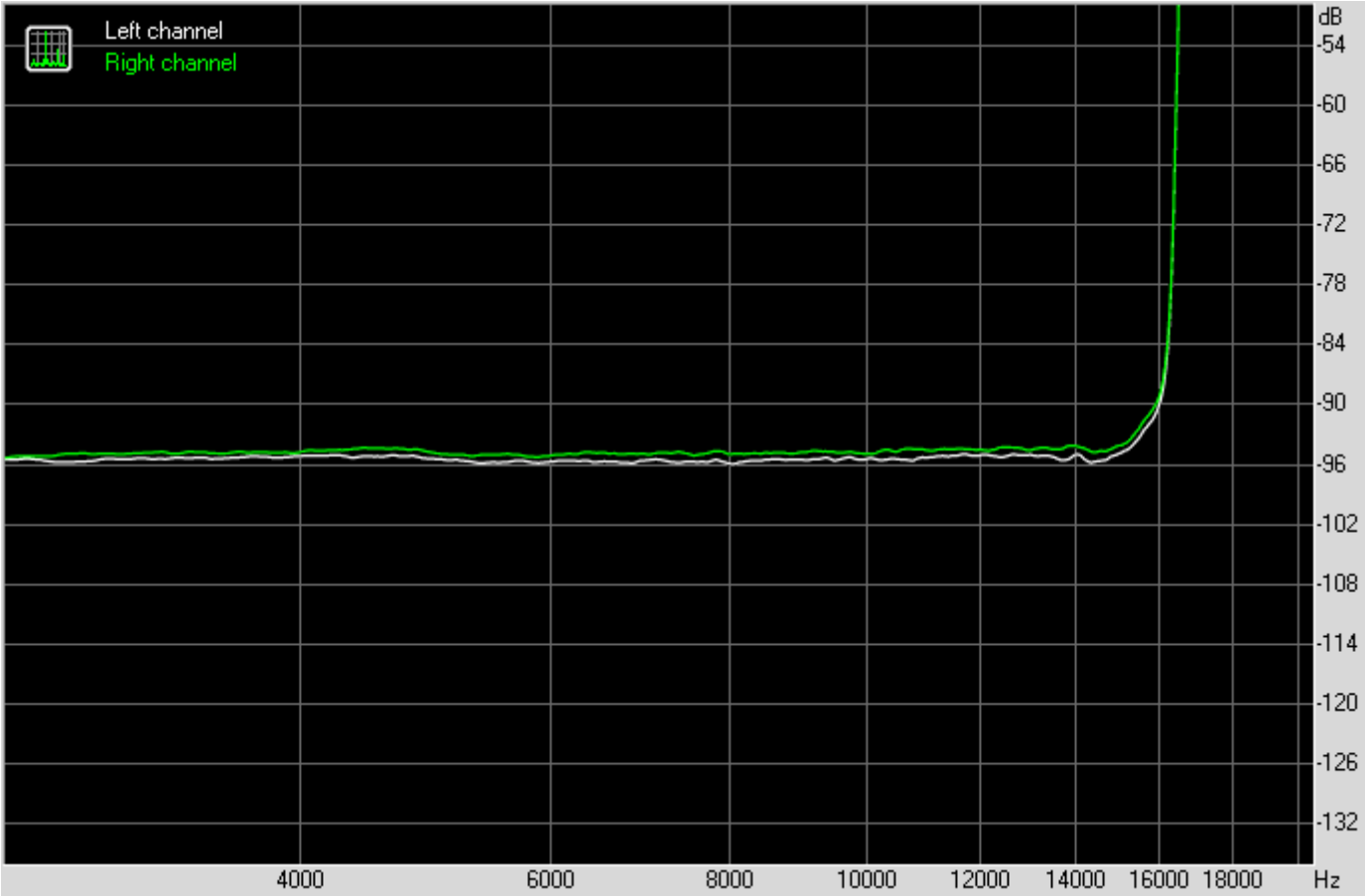
	Left	Right
IMD + Noise, %	0.09371	0.09371
IMD + Noise (A-weighted), %	0.02353	0.02354

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-107	-107
Crosstalk at 1000 Hz, dB	-105	-106
Crosstalk at 10000 Hz, dB	-93	-104

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.00169	0.00180
IMD + Noise at 10000 Hz,	0.00169	0.00179
IMD + Noise at 15000 Hz,	0.00179	0.00197