

## RightMark Audio Analyzer test report

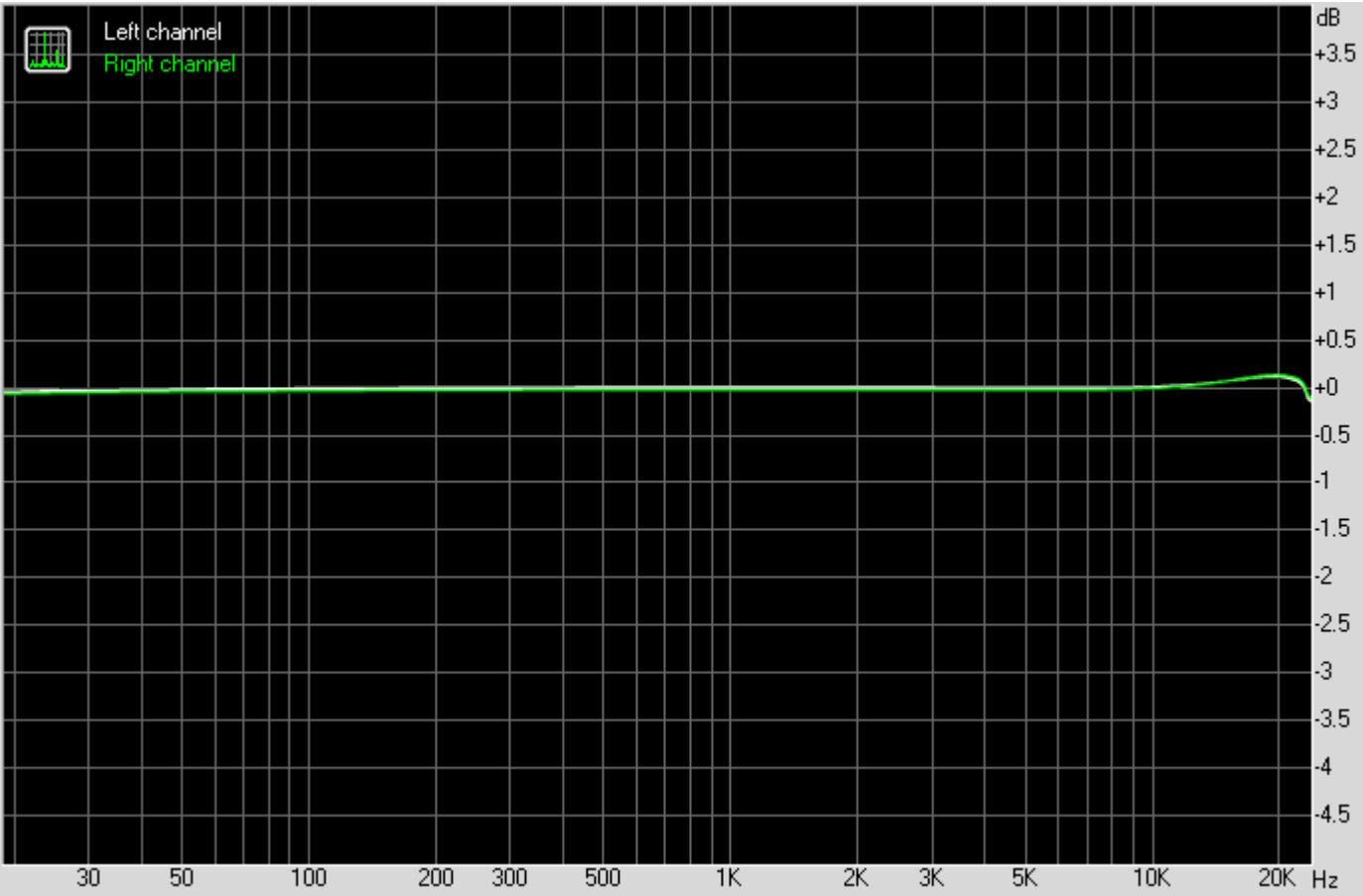
Testing device	[ASIO] Focusrite USB ASIO
Sampling mode	24-bit, 48 kHz
Interface	ASIO
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5

20 Hz - 20 kHz filter	ON
Normalize amplitude	ON
Level change	-3.0 dB / -3.0 dB
Mono mode	OFF
Calibration signal, Hz	1000
Polarity	inverted/inverted

### Summary

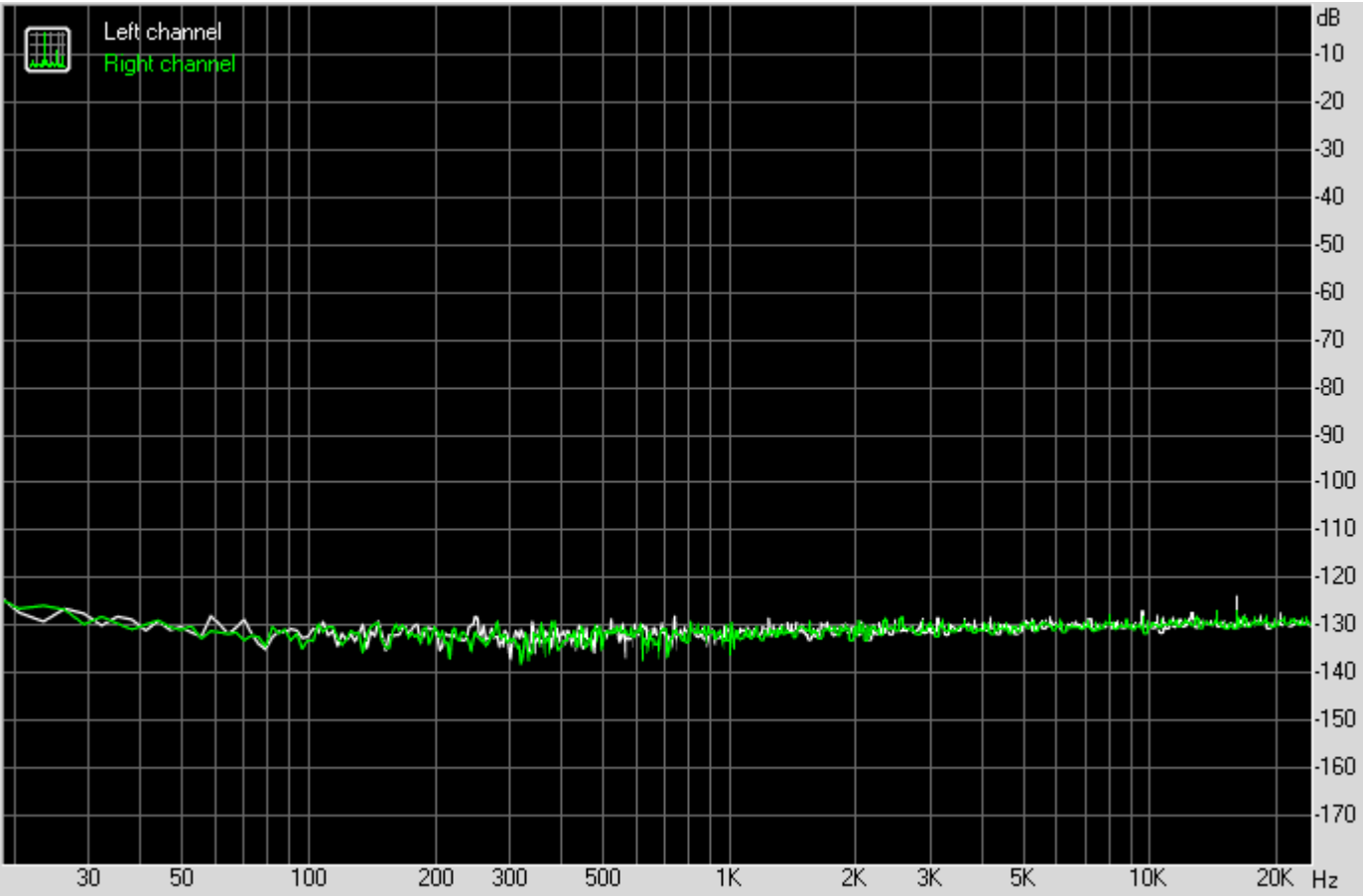
Frequency response (from 40 Hz to 15 kHz), dB	+0.07, -0.04	Excellent
Noise level, dB (A)	-98.4	Excellent
Dynamic range, dB (A)	98.4	Excellent
THD, %	0.00065	Excellent
THD + Noise, dB (A)	-89.6	Good
IMD + Noise, %	0.00407	Excellent
Stereo crosstalk, dB	-78.6	Very good
IMD at 10 kHz, %	0.00443	Excellent
<b>General performance</b>		<b>Excellent</b>

### Frequency response



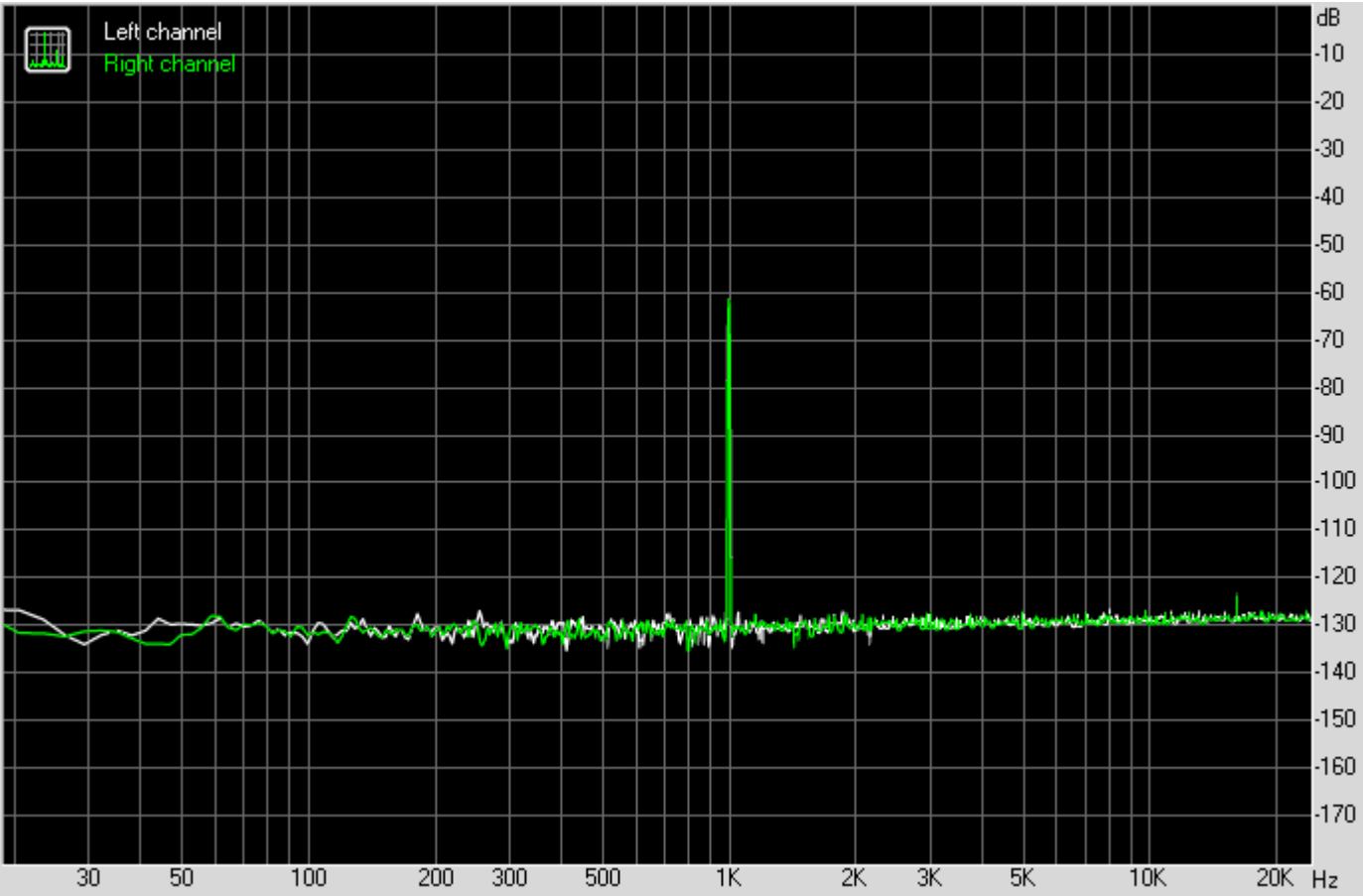
	Left	Right
From 20 Hz to 20 kHz, dB	-0.04, +0.11	-0.06, +0.13
From 40 Hz to 15 kHz, dB	-0.02, +0.07	-0.04, +0.07

Noise level



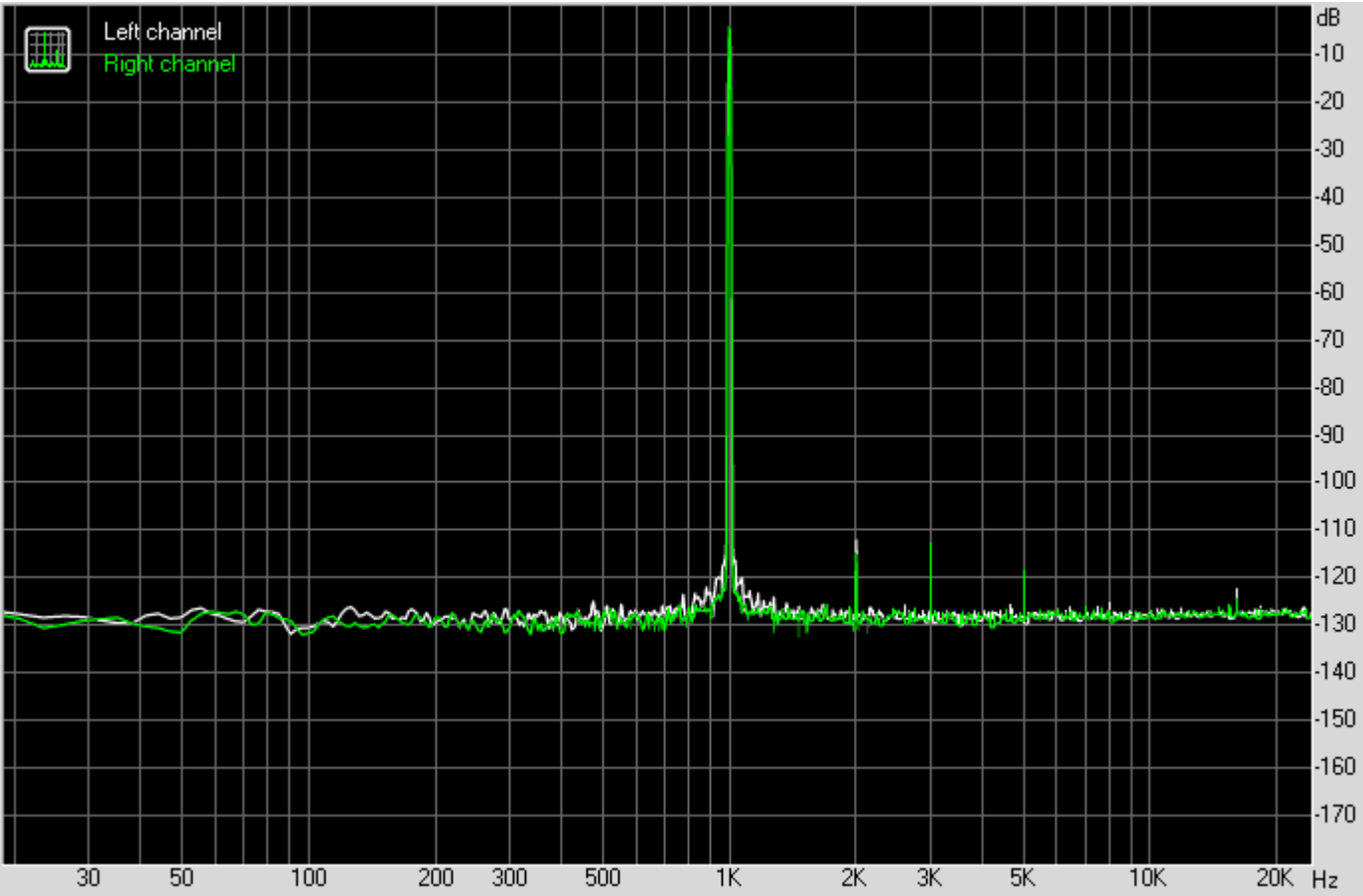
	Left	Right
RMS power, dB	-97.3	-97.3
RMS power (A-weighted), dB	-98.4	-98.5
Peak level, dB FS	-75.0	-75.1
DC offset, %	+0.0	+0.0

Dynamic range



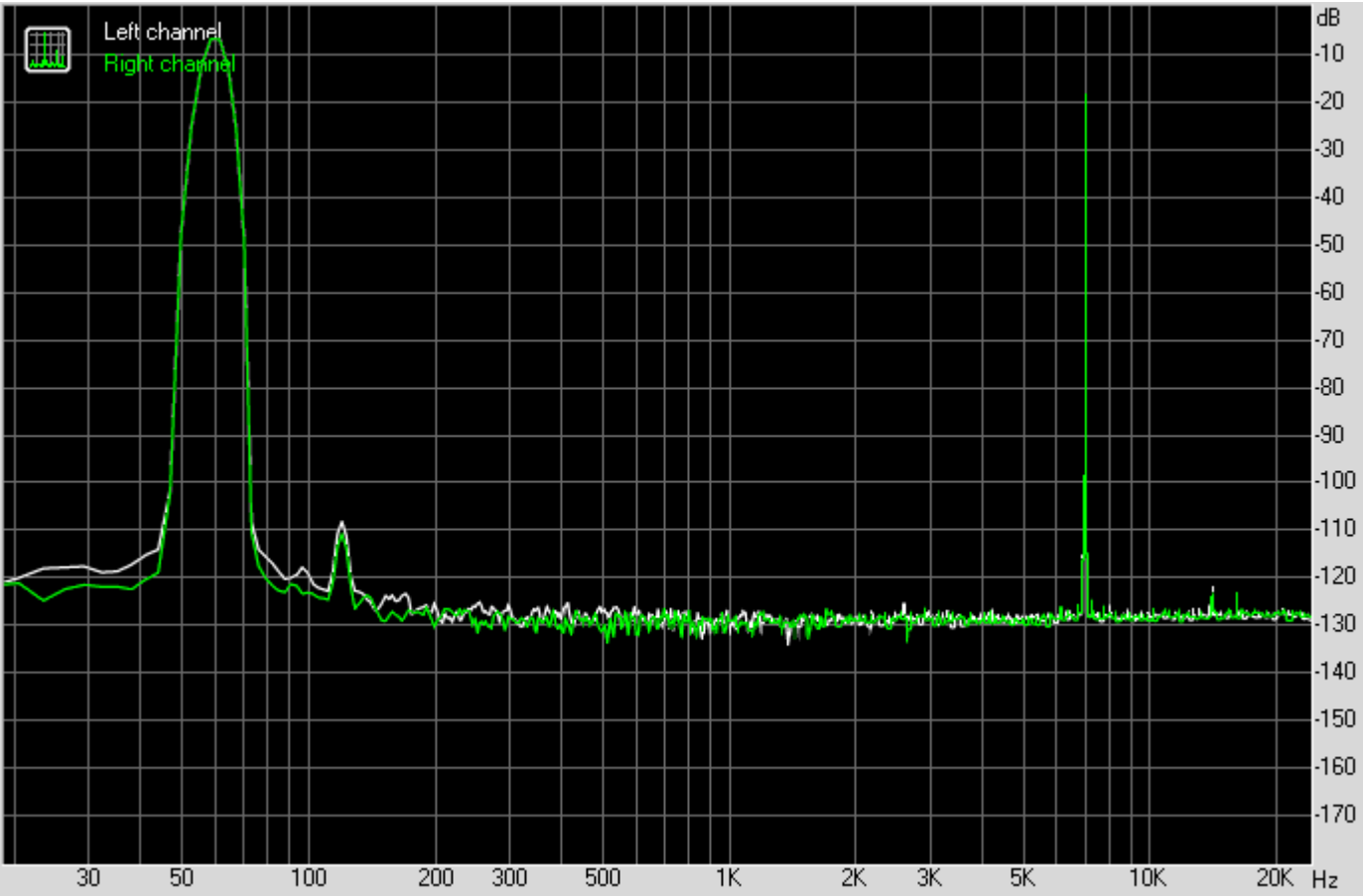
	Left	Right
Dynamic range, dB	+97.3	+97.4
Dynamic range (A-weighted), dB	+98.4	+98.5
DC offset, %	+0.00	+0.00

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



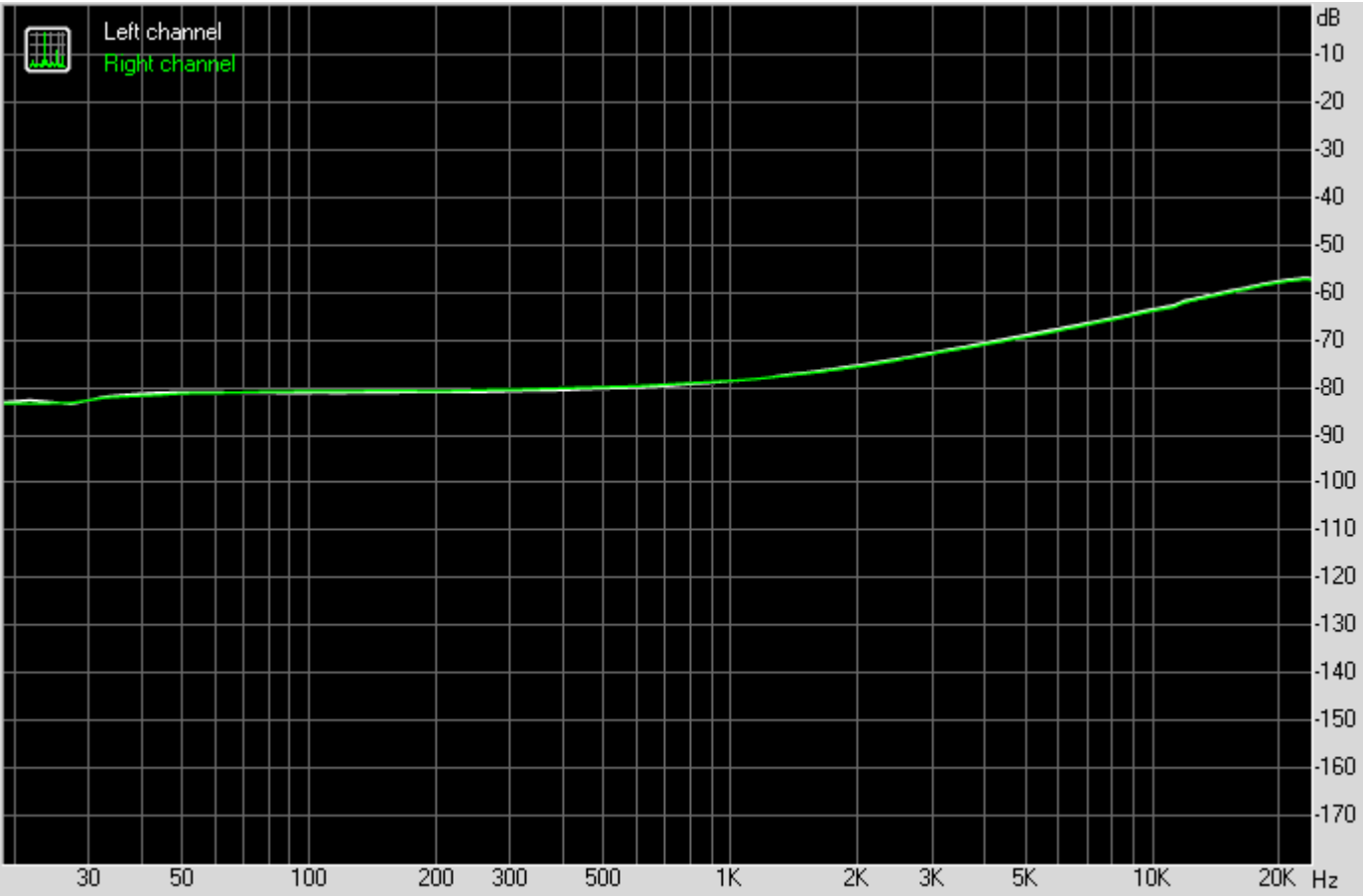
	Left	Right
THD, %	0.00066	0.00063
THD + Noise, %	0.00376	0.00325
THD + Noise (A-weighted), %	0.00363	0.00300

**Intermodulation distortion**



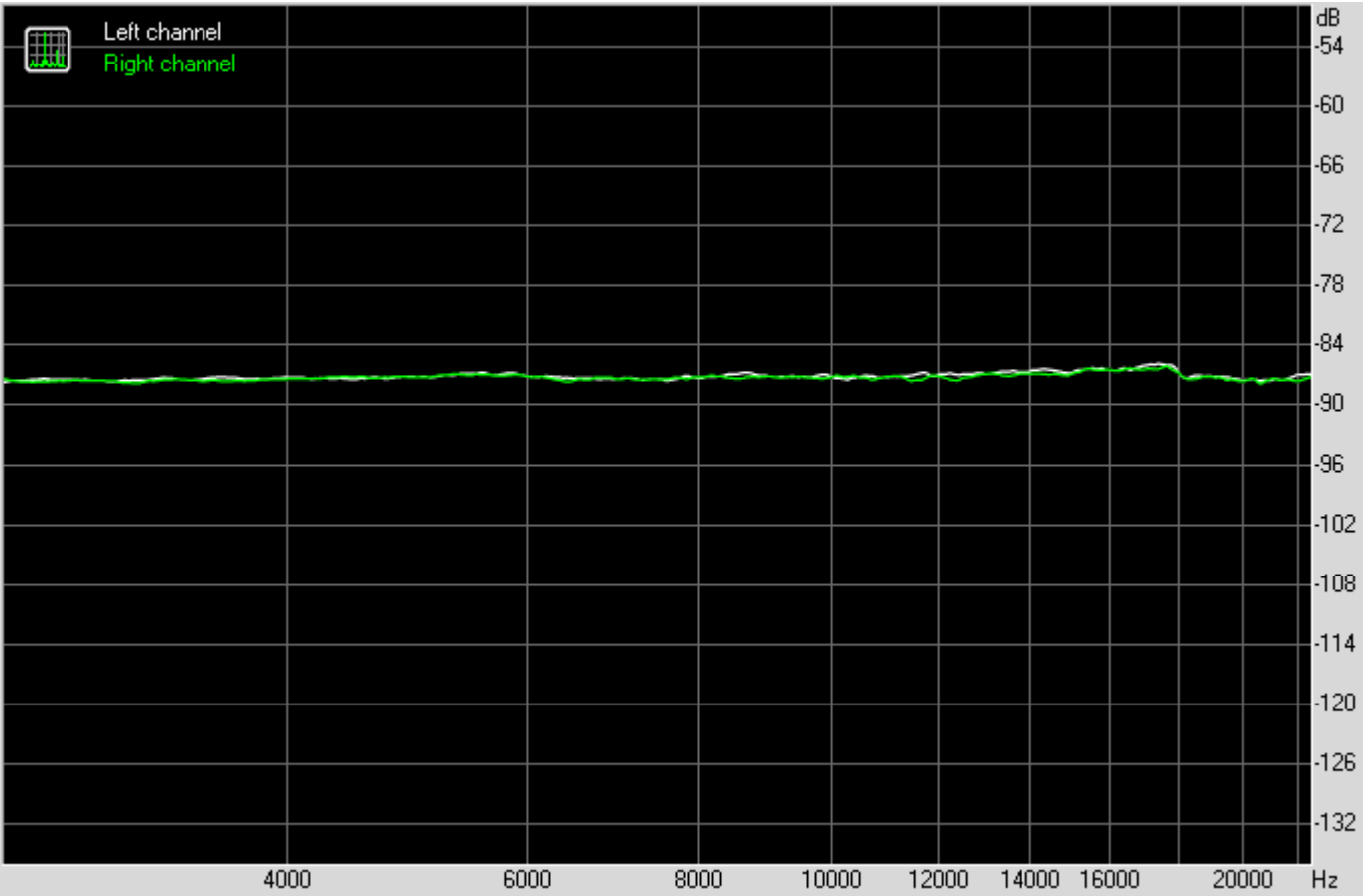
	Left	Right
IMD + Noise, %	0.00419	0.00395
IMD + Noise (A-weighted), %	0.00351	0.00342

**Stereo crosstalk**



	Left	Right
Crosstalk at 100 Hz, dB	-80	-80
Crosstalk at 1000 Hz, dB	-78	-78
Crosstalk at 10000 Hz, dB	-63	-63

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.00438	0.00436
IMD + Noise at 10000 Hz,	0.00440	0.00436
IMD + Noise at 15000 Hz,	0.00459	0.00451