

RightMark Audio Analyzer test report

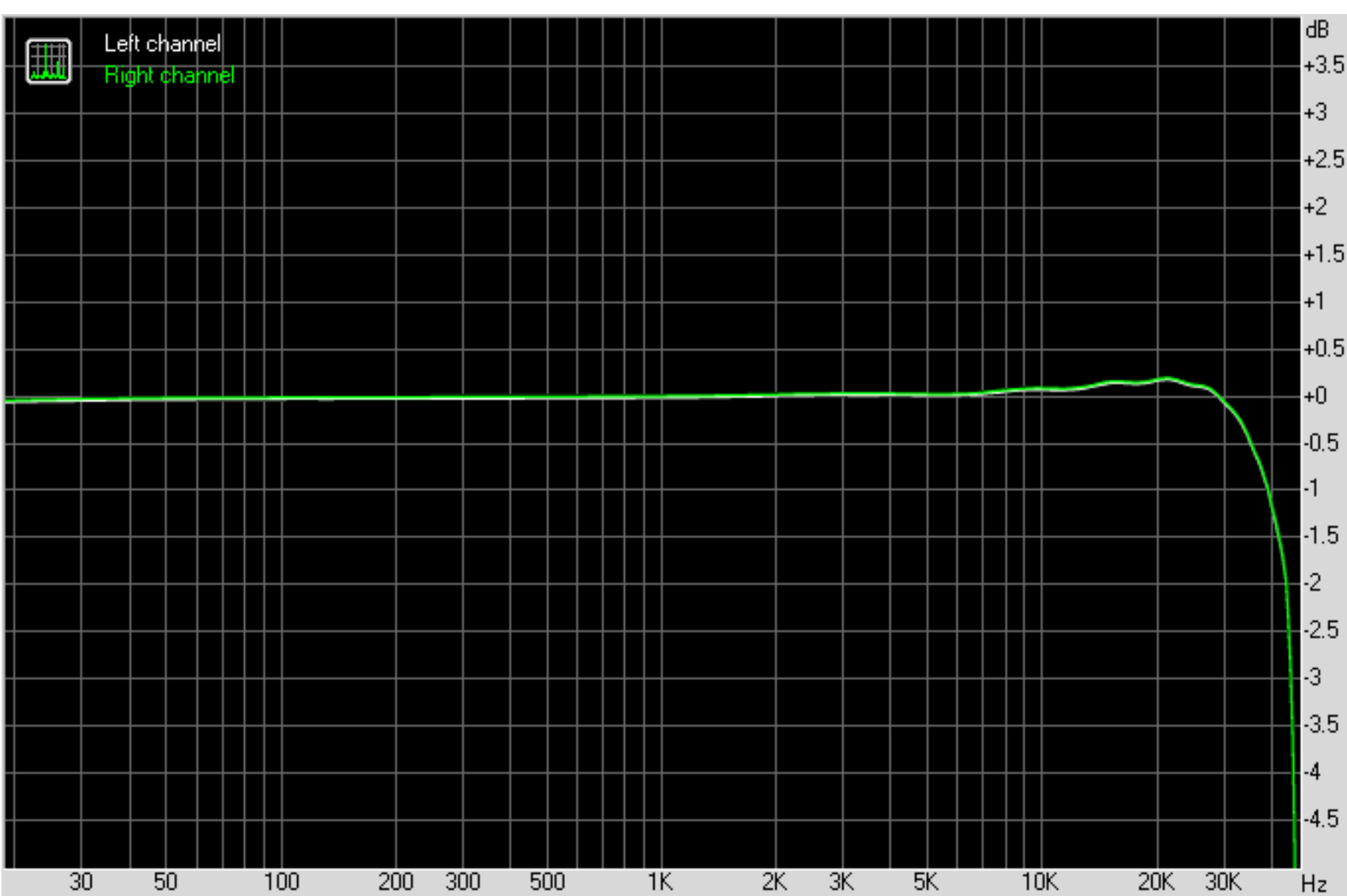
Testing device	MOTU Audio Express FW400
Sampling mode	24-bit, 96 kHz
Interface	
Testing chain	External loopback (line-out - line-in)
RMAA Version	6.4.5 PRO

20 Hz - 20 kHz filter	OFF
Normalize amplitude	OFF
Level change	-2.6 dB / -2.6 dB
Mono mode	OFF
Calibration singal, Hz	1000
Polarity	correct/correct

Summary

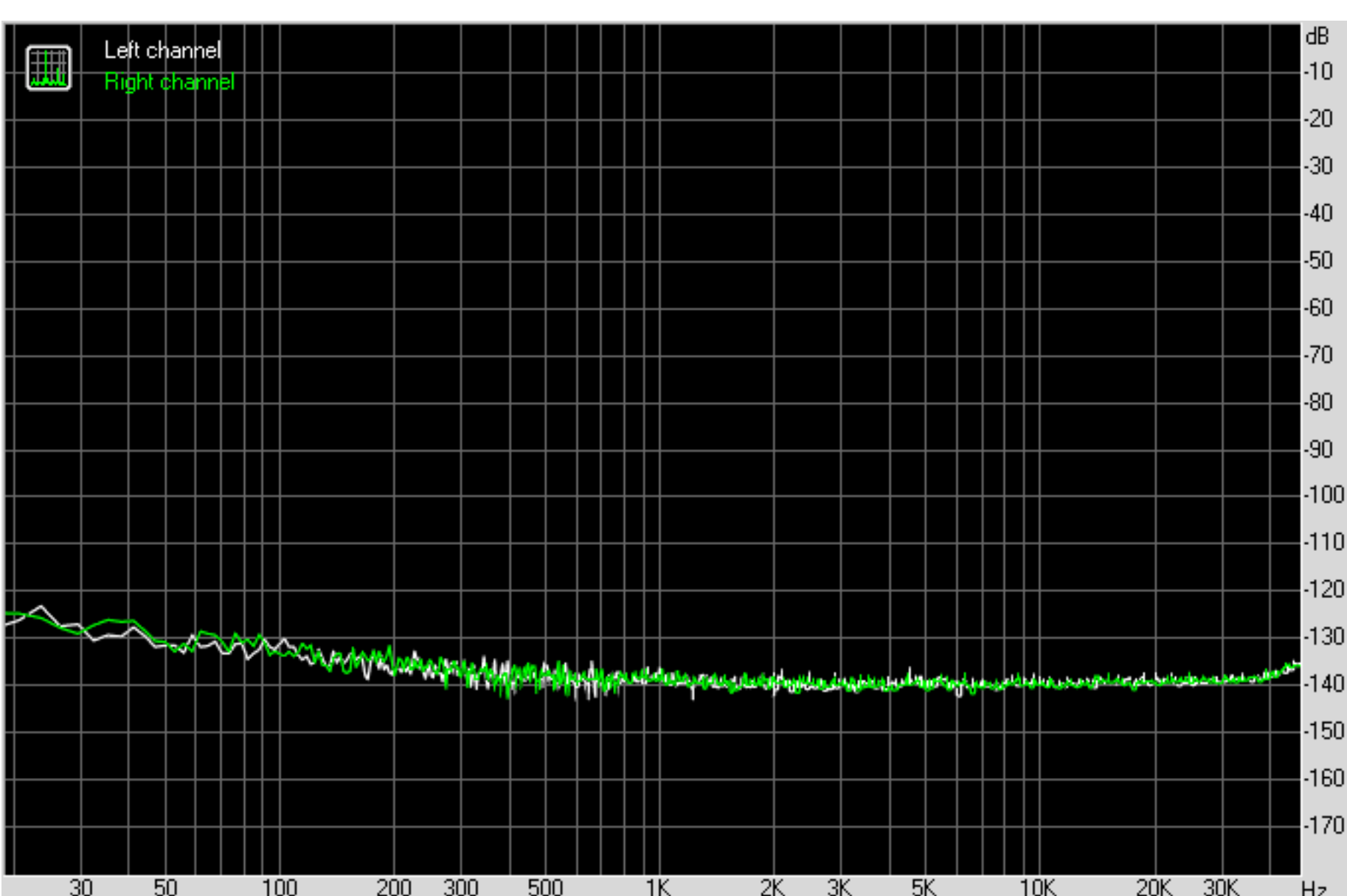
Frequency response (from 40 Hz to 45 kHz), dB	+0.18, -3.03	Average
Noise level, dB (A)	-107.4	Excellent
Dynamic range, dB (A)	107.4	Excellent
THD, %	0.00031	Excellent
THD + Noise, dB (A)	-95.3	Excellent
IMD + Noise, %	0.00283	Excellent
Stereo crosstalk, dB	-103.5	Excellent
IMD at 10 kHz, %	0.00303	Excellent
General performance	Very good	

Frequency response



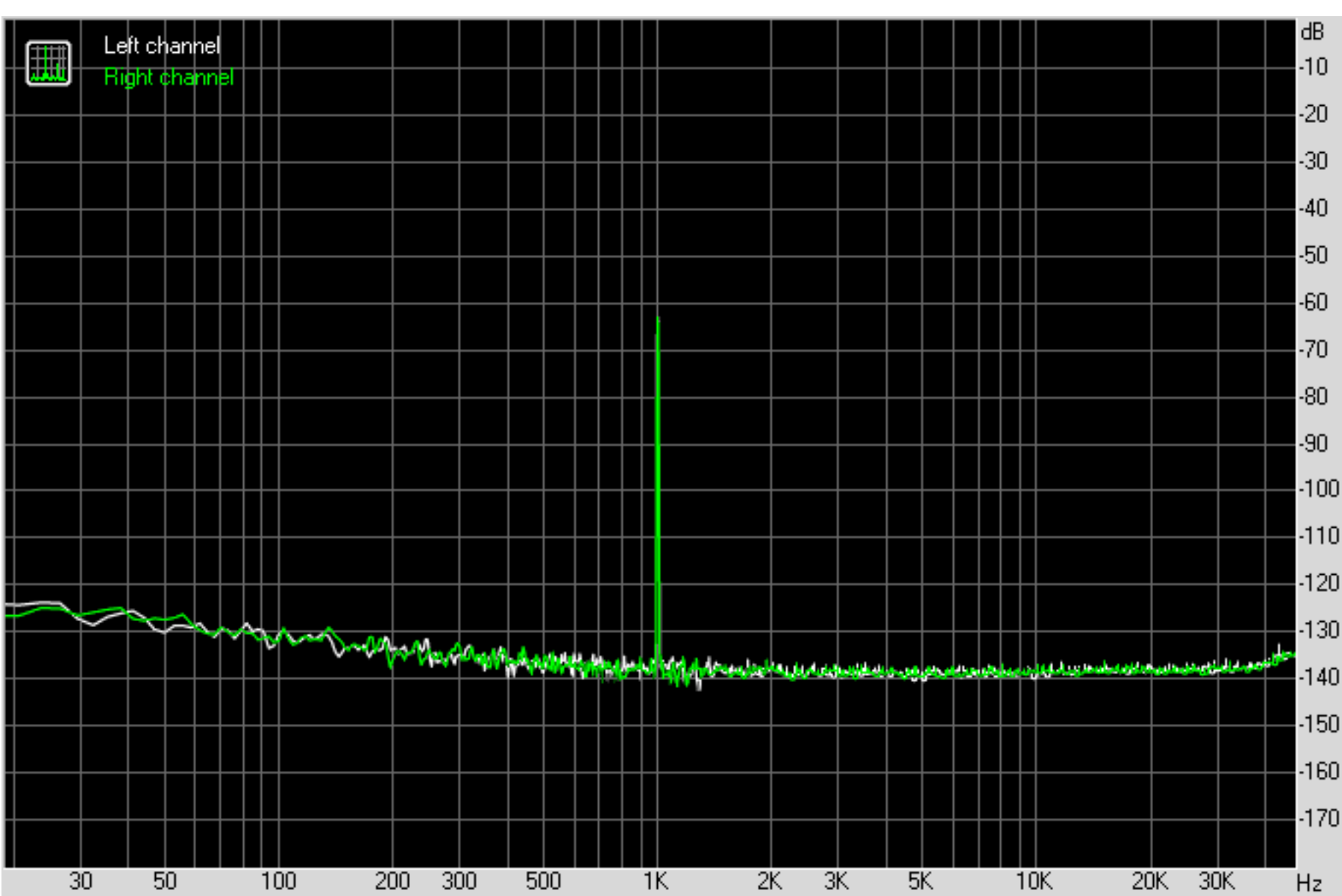
	Left	Right
From 20 Hz to 20 kHz, dB	-0.06, +0.16	-0.05, +0.18
From 40 Hz to 45 kHz, dB	-3.03, +0.18	-3.00, +0.19

Noise level



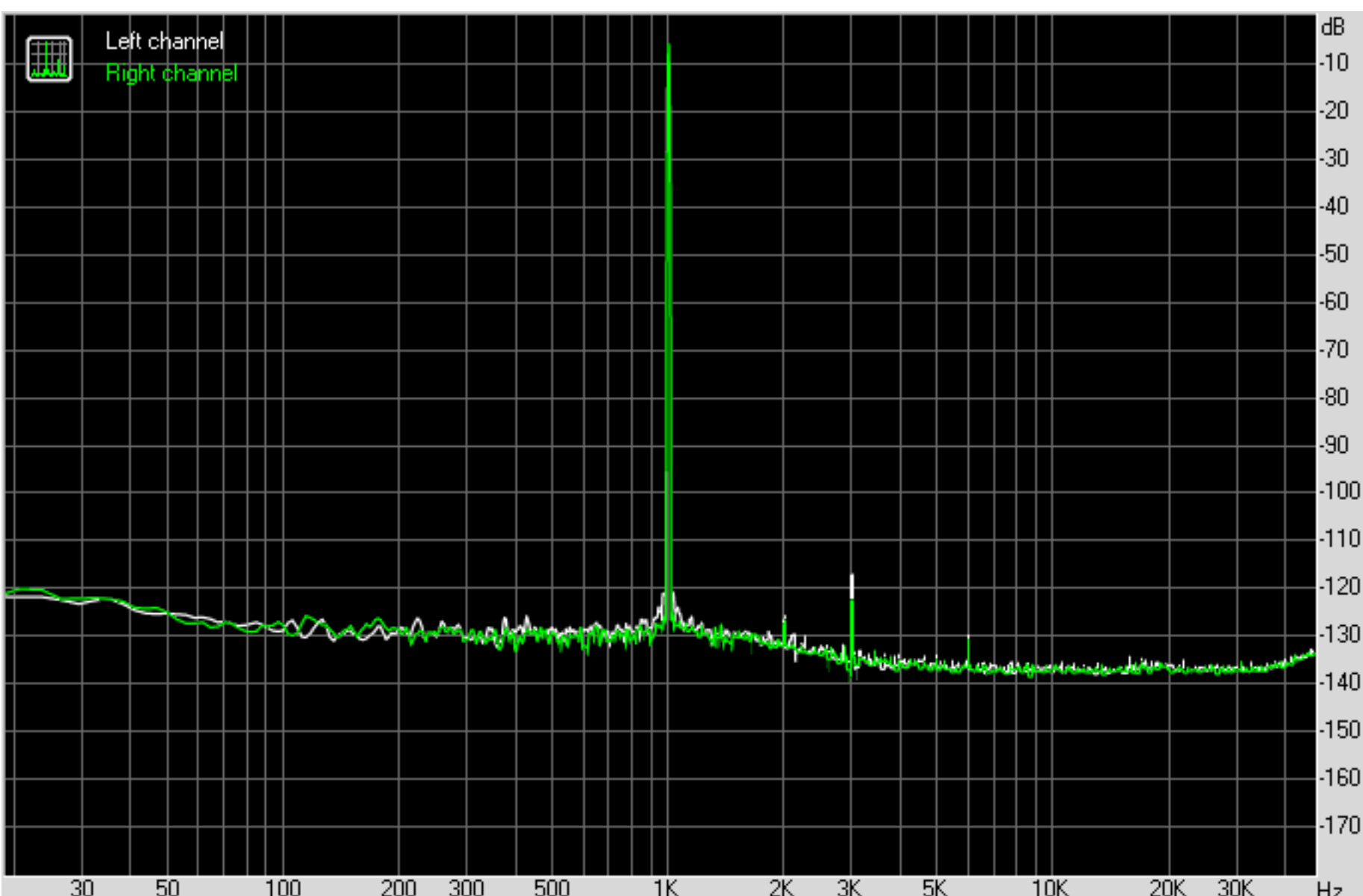
	Left	Right
RMS power, dB	-95.2	-95.7
RMS power (A-weighted), dB	-107.4	-107.4
Peak level, dB FS	-86.6	-87.6
DC offset, %	-0.0	-0.0

Dynamic range



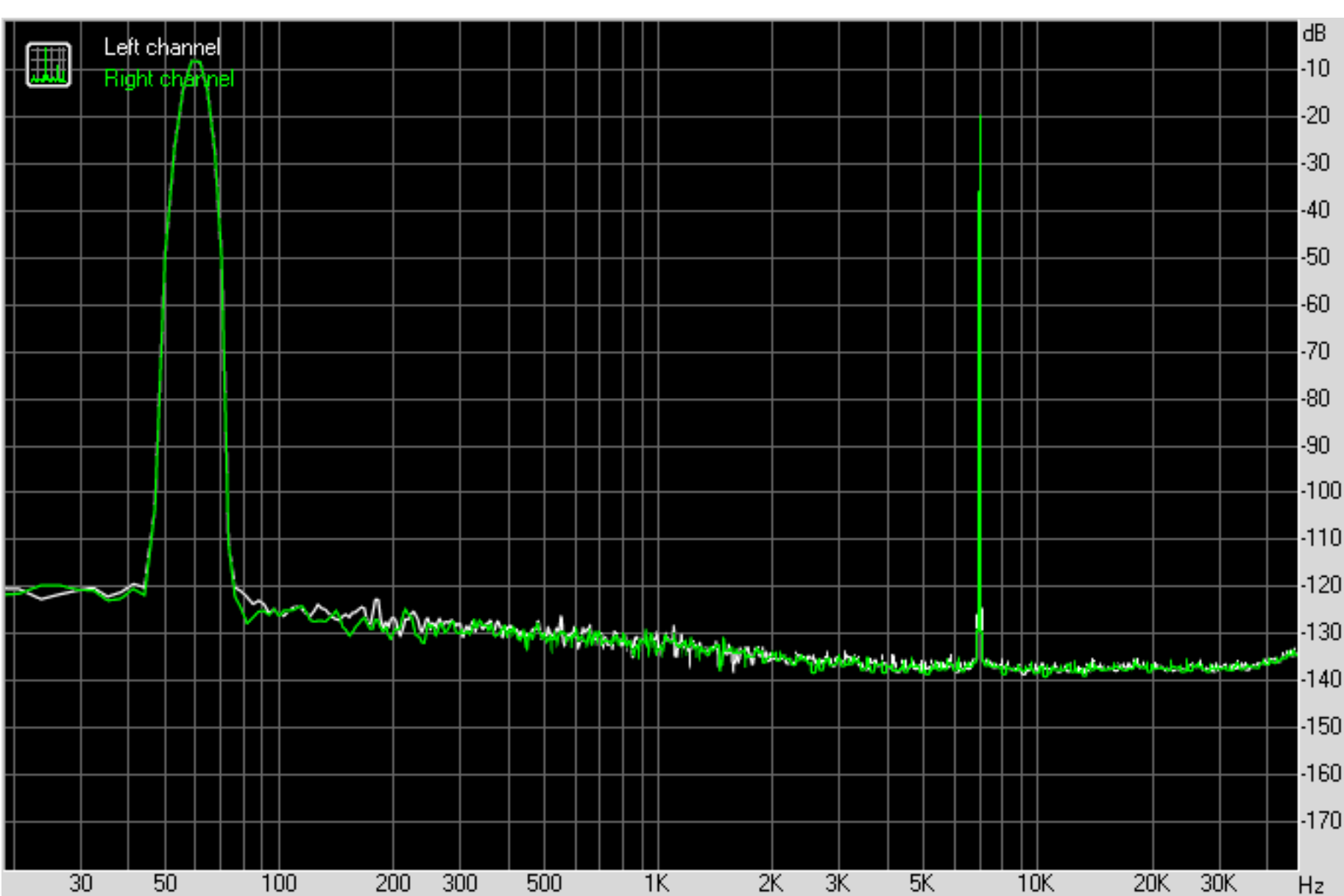
	Left	Right
Dynamic range, dB	+101.7	+102.3
Dynamic range (A-weighted), dB	+107.3	+107.4
DC offset, %	-0.00	+0.00

THD + Noise (at -3 dB FS)



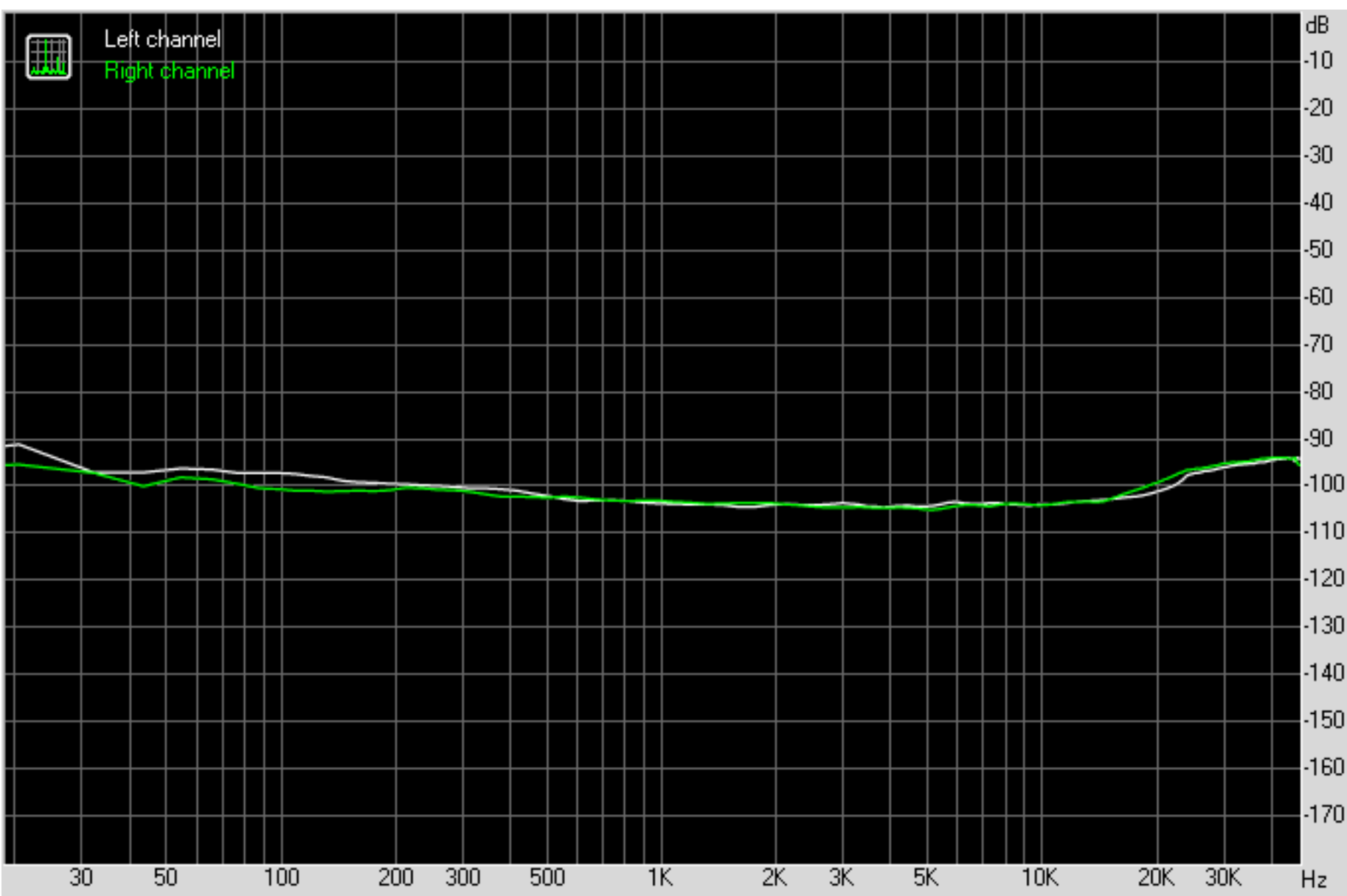
	Left	Right
THD, %	0.00036	0.00027
THD + Noise, %	0.00255	0.00254
THD + Noise (A-weighted), %	0.00174	0.00169

Intermodulation distortion



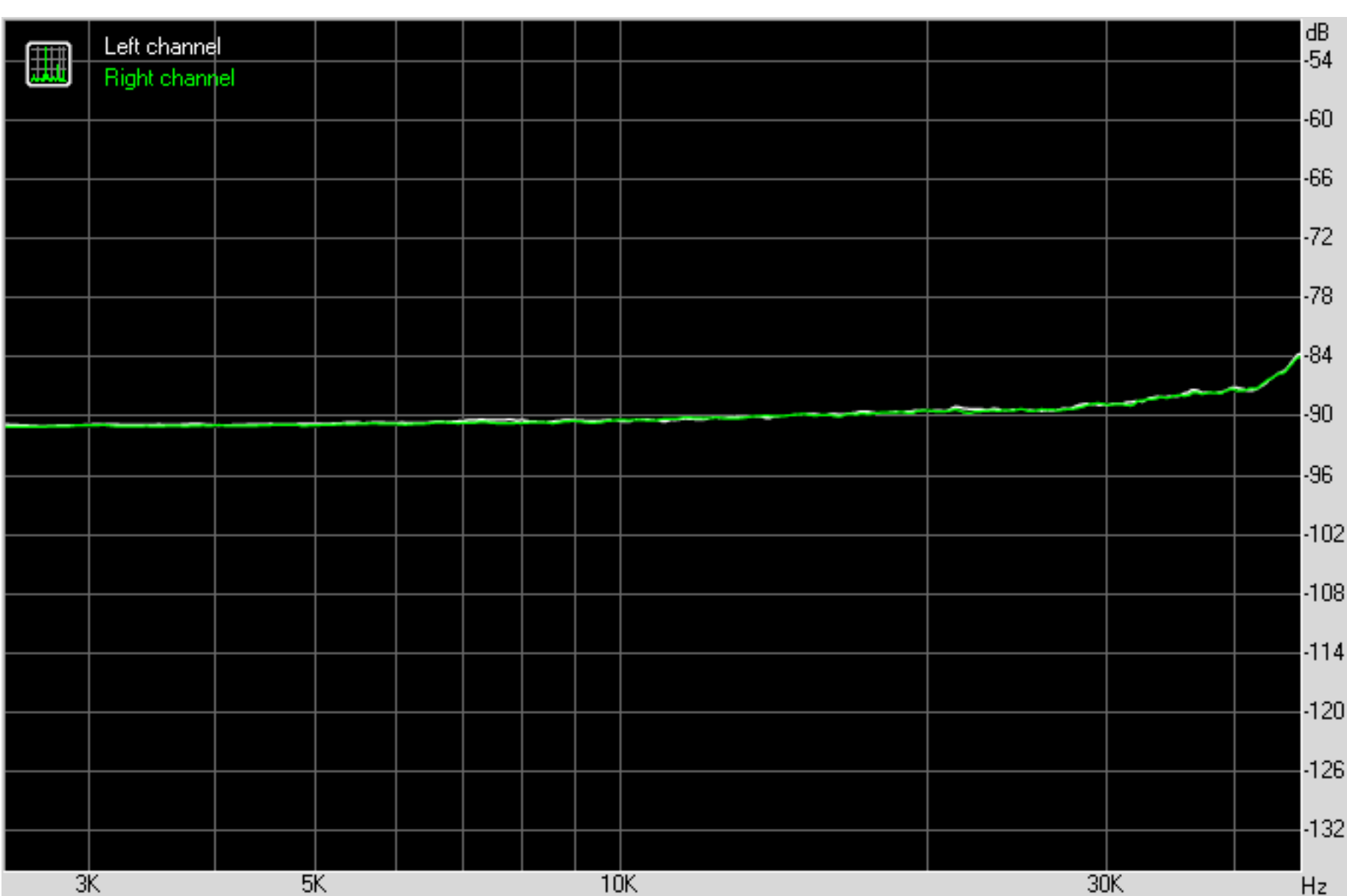
	Left	Right
IMD + Noise, %	0.00286	0.00279
IMD + Noise (A-weighted), %	0.00181	0.00174

Stereo crosstalk



	Left	Right
Crosstalk at 100 Hz, dB	-96	-100
Crosstalk at 1000 Hz, dB	-103	-102
Crosstalk at 10000 Hz, dB	-103	-103

IMD (swept tones)



	Left	Right
IMD + Noise at 5000 Hz,	0.00289	0.00284
IMD + Noise at 10000 Hz,	0.00298	0.00303
IMD + Noise at 15000 Hz,	0.00323	0.00323