

# ELECOM USB-SAV51 C-Media USB Sound Device

## RightMark Audio Analyzer test

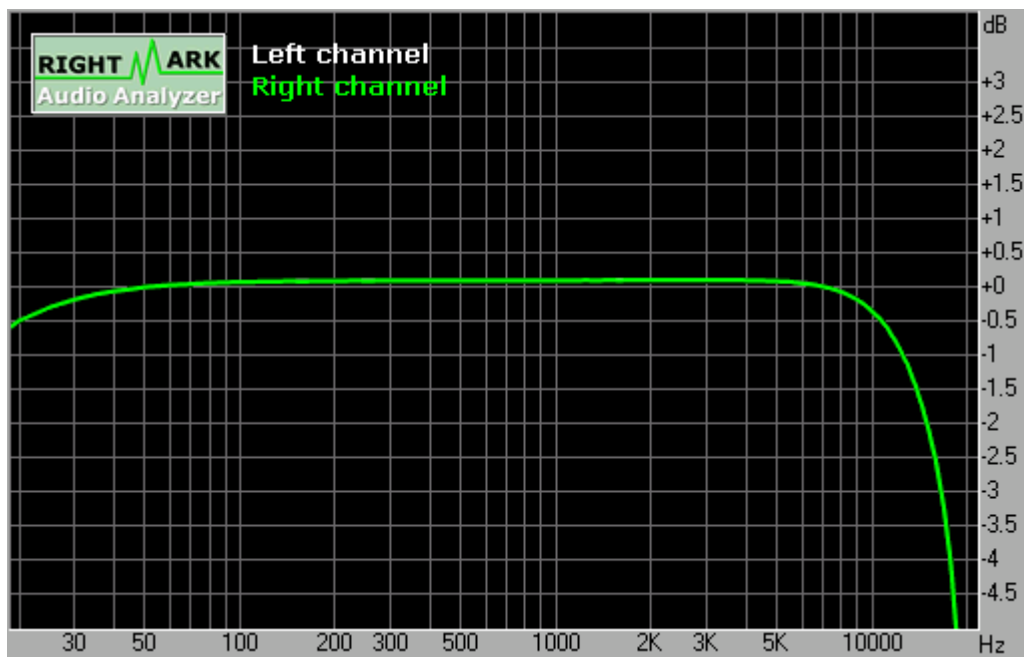
Testing chain: External loopback (line-out - line-in)  
Sampling mode: 16-bit, 44 kHz

### Summary

Frequency response (from 40 Hz to 15 kHz), dB:	+0.10, -1.97	Average
Noise level, dB (A):	-78.1	Average
Dynamic range, dB (A):	77.6	Average
THD, %:	0.073	Average
IMD + Noise, %:	0.295	Average
Stereo crosstalk, dB:	-79.4	Very good
IMD at 10 kHz, %:	0.114	Average

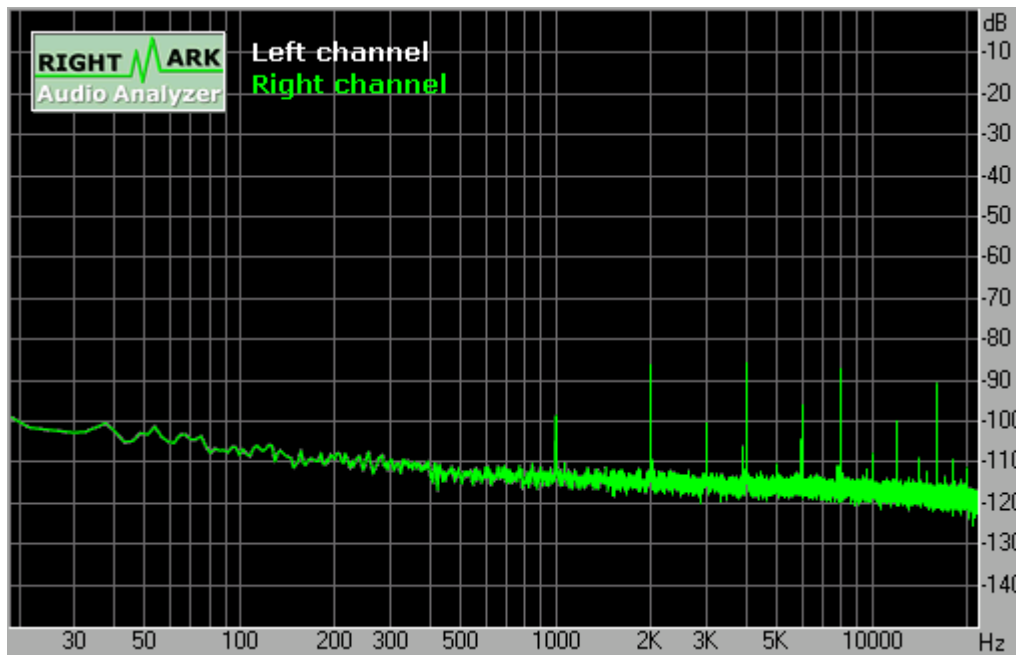
General performance: Average

### Frequency response



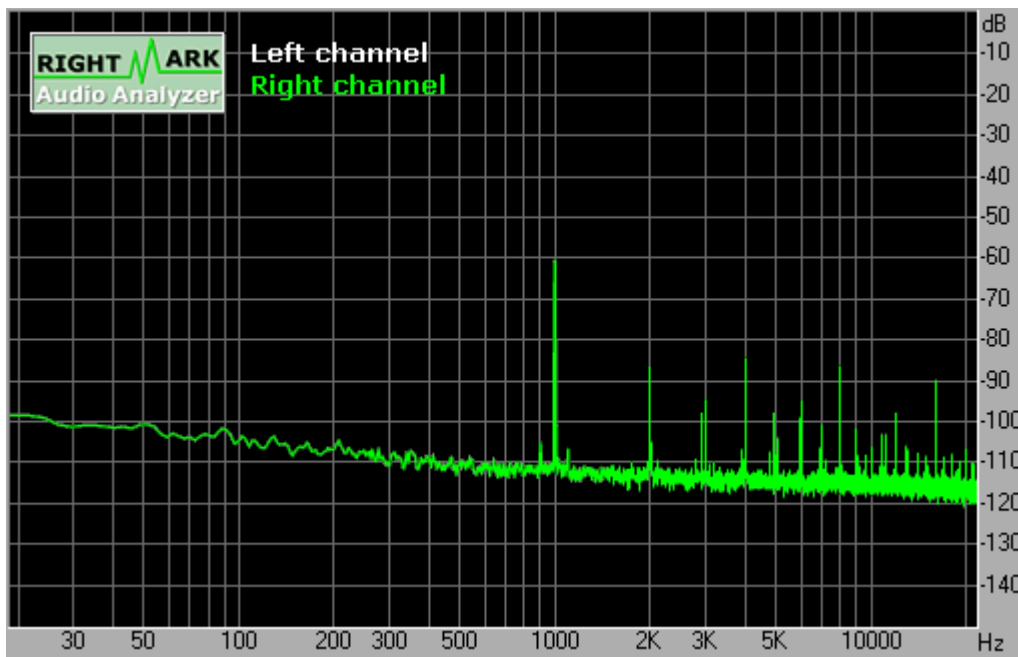
Frequency range	Response
From 20 Hz to 20 kHz, dB	-7.53, +0.10
From 40 Hz to 15 kHz, dB	-1.97, +0.10

### Noise level



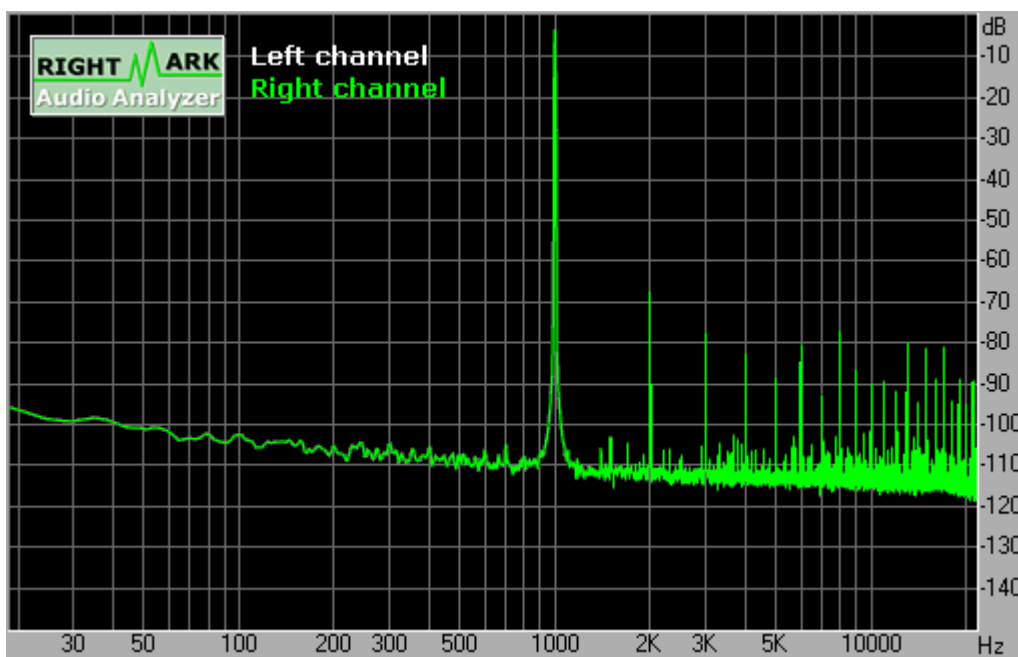
Parameter	Left	Right
RMS power, dB:	-77.9	-77.9
RMS power (A-weighted), dB:	-78.1	-78.1
Peak level, dB FS:	-63.3	-63.3
DC offset, %:	0.20	0.20

### Dynamic range



Parameter	Left	Right
Dynamic range, dB:	+77.5	+77.5
Dynamic range (A-weighted), dB:	+77.6	+77.6
DC offset, %:	0.20	0.20

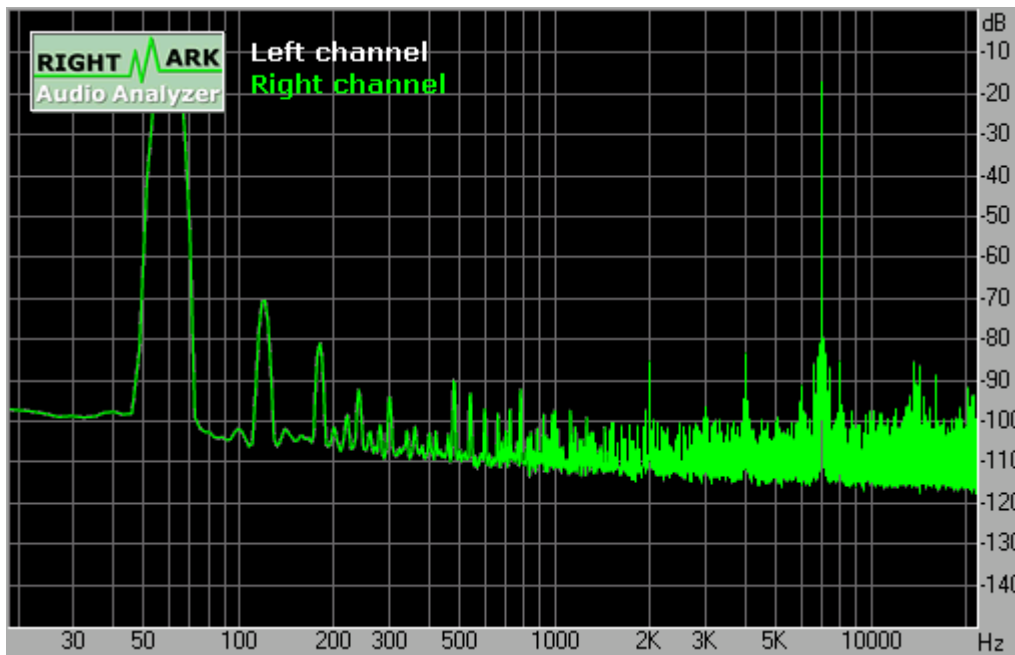
**THD + Noise (at -3 dB FS)**



Parameter	Left	Right

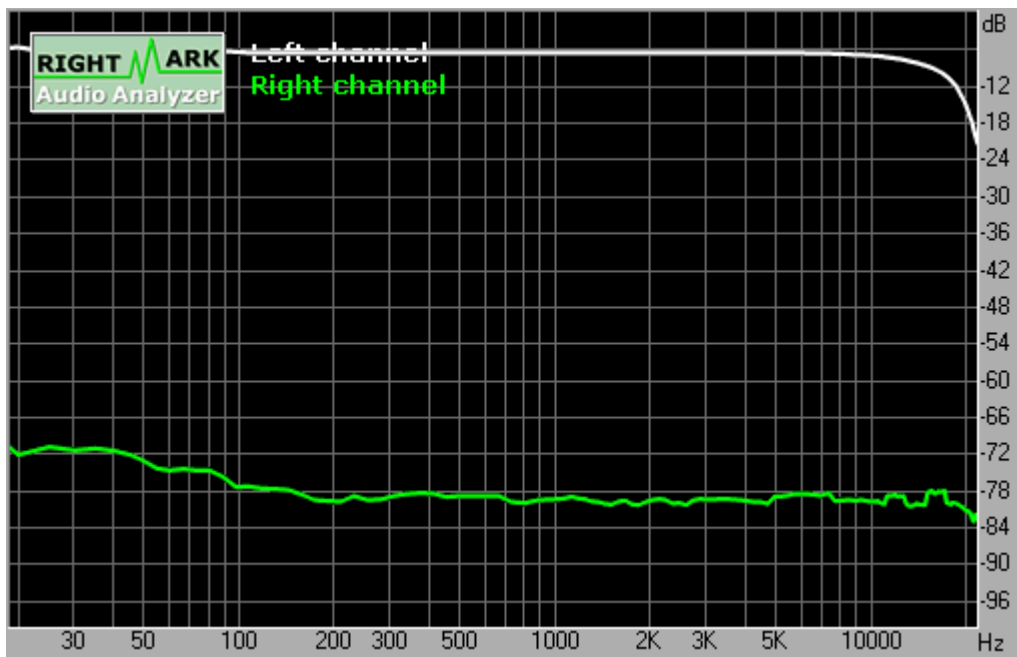
THD, %:	0.0735	0.0735
THD + Noise, %:	0.2169	0.2169
THD + Noise (A-weighted), %:	0.2417	0.2417

### Intermodulation distortion



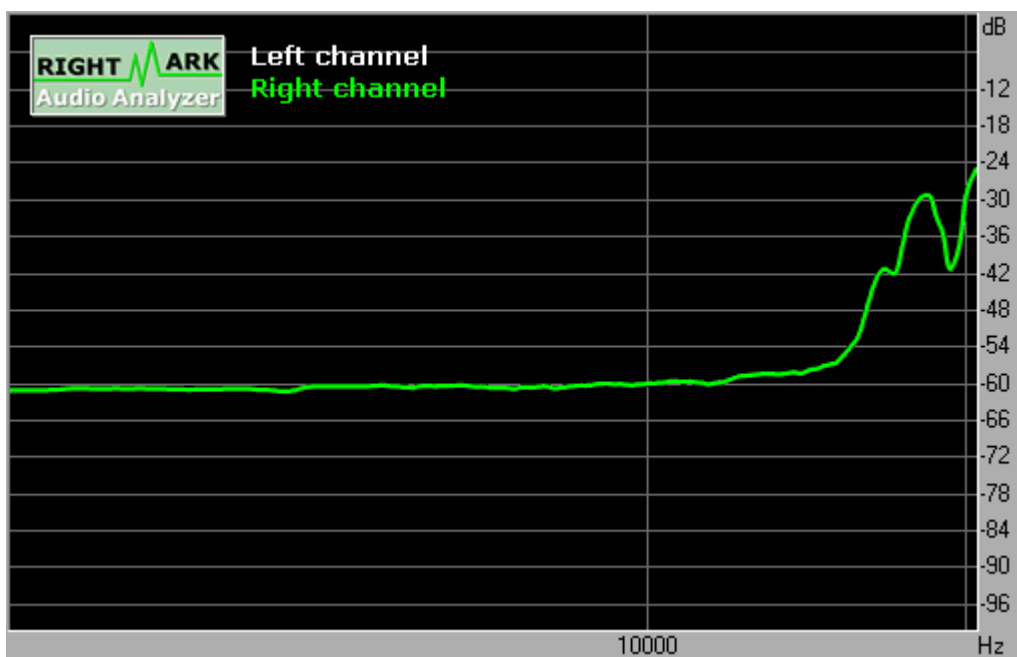
Parameter	Left	Right
IMD + Noise, %:	0.2952	0.2952
IMD + Noise (A-weighted), %:	0.2886	0.2886

### Stereo crosstalk



Parameter	L <- R	L -> R
Crosstalk at 100 Hz, dB:	-5	-76
Crosstalk at 1 kHz, dB:	-5	-78
Crosstalk at 10 kHz, dB:	-6	-79

### IMD (swept tones)



Parameter	Left	Right

IMD + Noise at 5 kHz, %:	0.0949	0.0949
IMD + Noise at 10 kHz, %:	0.1001	0.1001
IMD + Noise at 15 kHz, %:	0.1458	0.1458

This report was generated by RightMark Audio Analyzer 5.5