Subject: Re: to RIAA or not
Posted by positron on Wed, 02 Apr 2025 03:43:54 GMT
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gofar99 wrote on Tue, 01 April 2025 20:33Hi Pos, A good question. I really don't know. I suspect that the accuracy is going to be a function of the sample and bit rate. When I do lp to digits I usually use 24/96 or 24/192. The files are stored as wavs. I have used a Moon LP3 phono preamp to enter the audio for encoding and on other occasions gone direct and used the filter in Audacity to "play" them back. It is actually hard to tell the difference. I would assume there is some but more ears are no longer that "golden". Considering that the best S/N from a really clean LP and good cartridge is in the 75dbv range. I suspect that the difference in way the music is processed is kind of a moot point. If anyone out there has done some definitive testing on this I would like to hear about the results.

I found an article but it does not state how many +/- db from an accurate RIAA curve. I assume close though. A couple of points if I may.

http://waynestegall.com/audio/riaaiir.htm

1. It appears according to the article that 96khz is the best If an additional pole is created approximately (~) 50khz, give or take. That is because the recording audio circuitry generally has a 50khz bandwidth from what I have read. Stanley Lipschitz has an AES article concerning RIAA and 50khz pole if I remember correctly.

To help newbies.

I have found that, from my own lab experiments, that altering my test preamplifier's response (decades ago) from -1db at 200khz to -1db at 150khz was quite perceivable in my lab listening tests.

So this 50khz pole could impact one's listening experience. This is not necessarily a fixed frequency, so I would suggest one should adjust to one's particular audio system.

2. I think it good to consider the extra Analog stage in the ADC as well as in the DAC. Manufacturer's similar specs mean very little as to sound quality as, example, when we consider purchasing equipment we often check for sonic differences between brand, model components. Will be interesting to see GoFar's personal results.

As some might know, I try to avoid SS parts/components whenever possible but it is virtually impossible with DACs since the DA converter chip produces an analog output. With that said, DACs are really getting good, plus the variety of musical selections on YouTube, and other sources is just too much to resist. LPs are also so expensive.

I can't wait to hear of your final results of your experiment Gofar.

cheers and good luck

pos