Subject: Re: Cassette Tape Alignment
Posted by Wayne Parham on Fri, 12 Jul 2019 20:59:35 GMT
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I did that for a while, and then decided to create a dual-tone signal that combined the 315Hz sine with the 10kHz sine. I monitored the output with Daqarta's spectrum analyzer so I could see both the 315Hz content and the 10kHz content. That made it easier to set the levels to match. Then as a "sanity check," I used single-frequency sines of 315Hz and 10kHz to make sure the levels were matched when a pure sine wave was presented.

Pay attention to the relative amplitudes of the signals below at 315Hz and at 10kHz:

Before adjusting bias: Right channel bias NOT set

Right channel bias properly set

Left channel bias properly set

File Attachments

1) Right_Tape_315Hz_and_10kHz_Bias_NOT_Set.png, downloaded 568 times
2) Right_Tape_315Hz_and_10kHz_Bias_Set.png, downloaded 553 times
3) Left_Tape_315Hz_and_10kHz_Bias_Set.png, downloaded 567 times