Subject: Recording Silence
Posted by Concorde on Mon, 21 Feb 2022 23:11:42 GMT
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Is there a way to record silence so completely that there is no way to tell if anything was even recorded?

We can have the best audio technology known to man, but can we do that?

Subject: Re: Recording Silence
Posted by Wayne Parham on Tue, 22 Feb 2022 01:01:28 GMT
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I guess your question is really how to make the signal to noise ratio as high as possible, which is the holy grail of many amplifier makers. They want the passages in between music to be dead solid black quiet. If you have that and good dynamic range for transients, you have a great amp, provided the other obvious specs like distortion are good.

But if all you really wanted was a quiet recording, that's pretty easy in the digital realm. All sampled bits must just be zero. By definition, then, the recording is perfectly "quiet." Of course, we still have to be able to present that to the loudspeakers, which requires an amplifier chain, and that takes us back to the first paragraph.

Subject: Re: Recording Silence
Posted by gofar99 on Wed, 23 Feb 2022 01:57:26 GMT
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Hi, I agree with Wayne...but ask why?

Subject: Re: Recording Silence
Posted by Concorde on Sat, 26 Feb 2022 14:36:18 GMT
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No real reason, other than the idea fascinated me. That, and if you have noise-canceling headphones and you have a recording of dead silence coming through them, would there be a noticeable difference between the two different lack of "sounds"?

Subject: Re: Recording Silence

Posted by Nouri on Fri, 04 Mar 2022 04:23:37 GMT
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It sounds like one and the same to me. I think you're getting deeper with this than current technology does. Like you're wanting to know if there is something more silent than silence.

Dead silence is dead silence and it can be achieved with the right equipment. But that's as far as it goes.

Sorry. 8)