

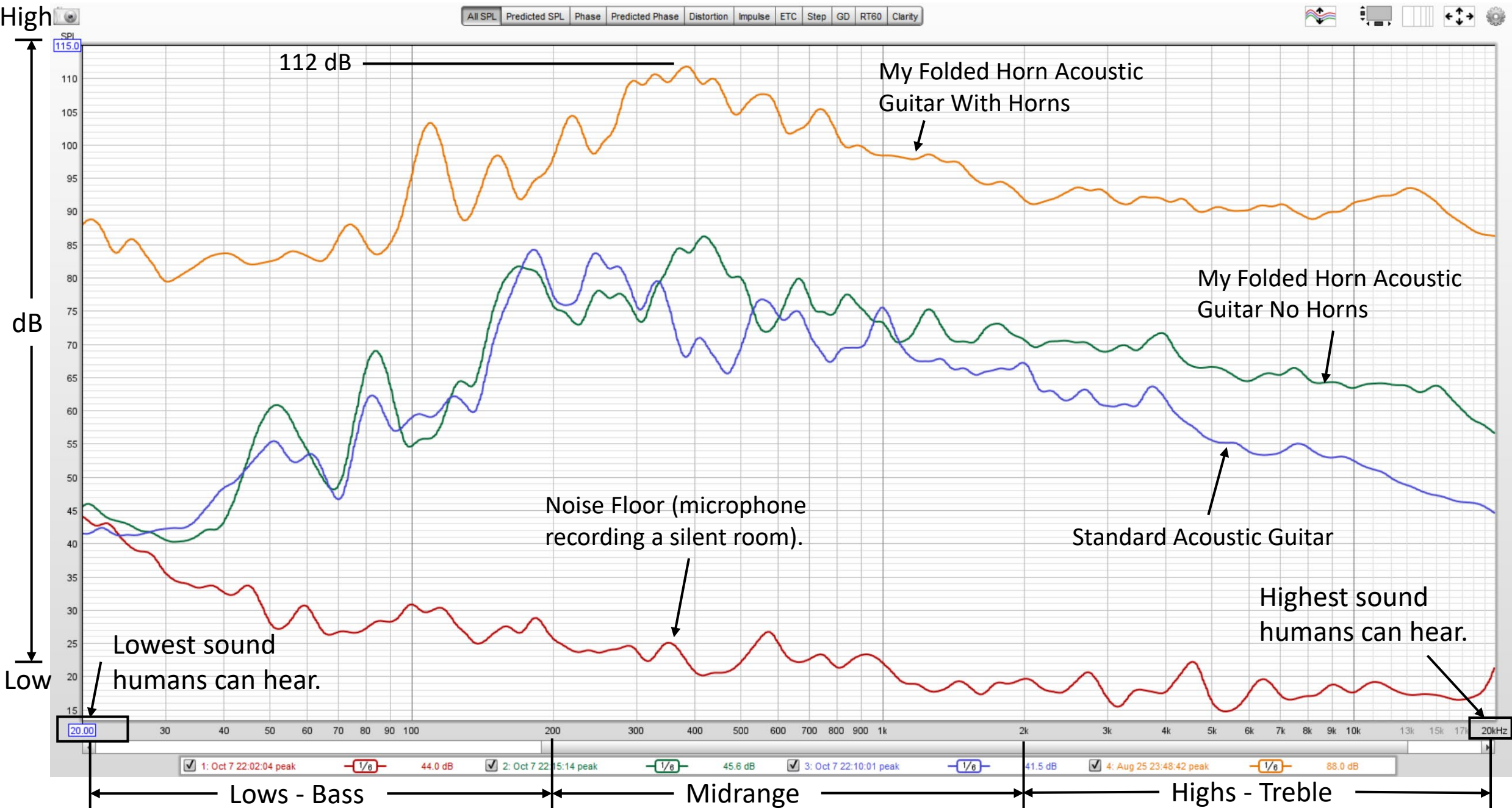
Folded Horn Acoustic Guitar U.S. Patent # 10,777,172



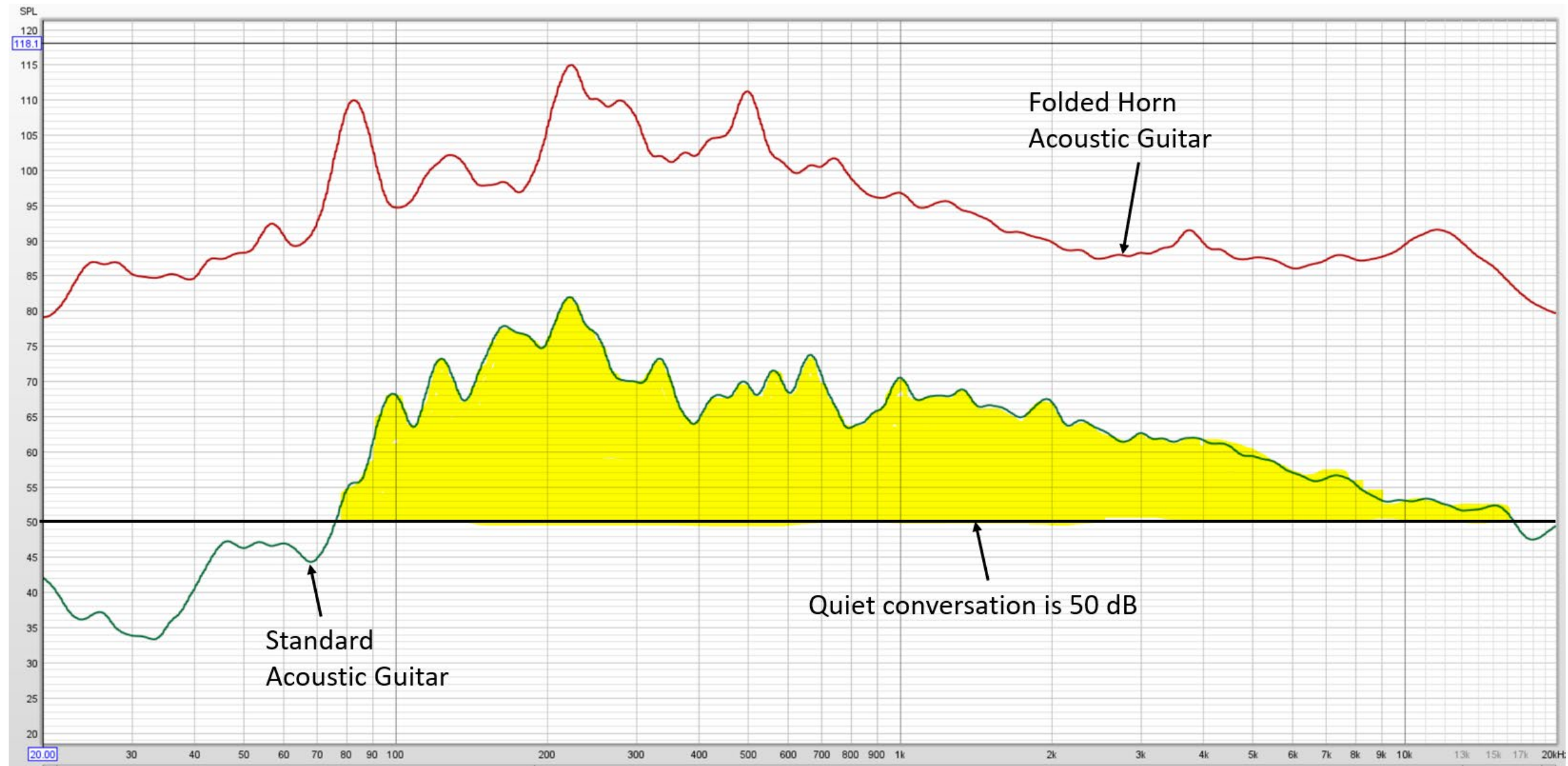


Folded Horn Acoustic Guitar U.S. Patent # 10,777,172



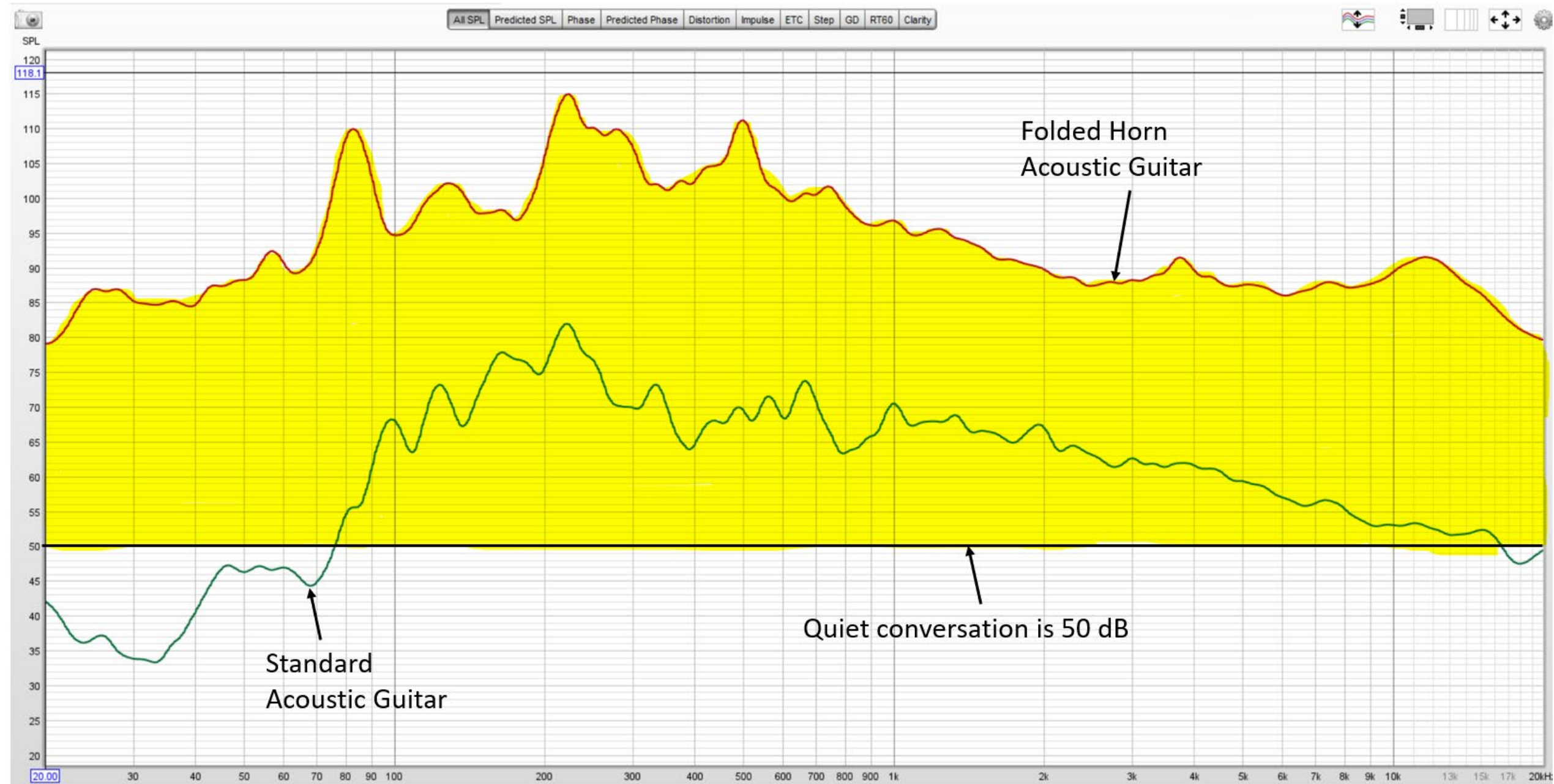


# Folded Horn Acoustic Guitar U.S. Patent # 10,777,172





# Folded Horn Acoustic Guitar U.S. Patent # 10,777,172



## Folded Horn Acoustic Guitar U.S. Patent # 10,777,172



Now that one guitar is setup, all the others are easy to copy. CNC machining is accurate to 1/5 the thickness of a human hair (.001").



## Folded Horn Acoustic Guitar U.S. Patent # 10,777,172



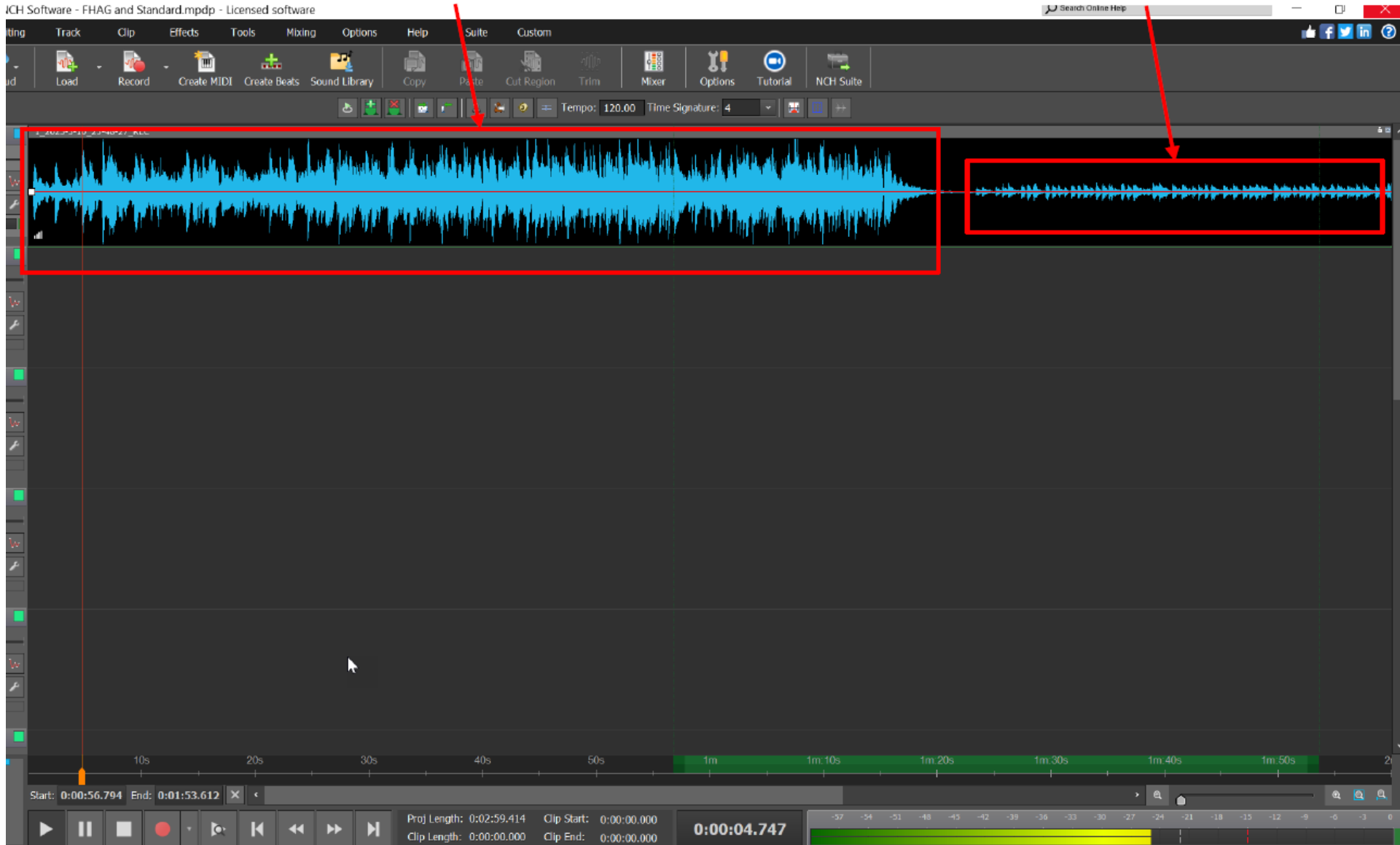
New soundboard.  
Top edge is  
finished to spec.

All outside edges  
can be drum  
sanded in  
assembly to match.

# Folded Horn Acoustic Guitar U.S. Patent # 10,777,172

Folded Horn Acoustic Guitar at highest recording level without clipping.

Standard Acoustic Guitar at same recording level.



Ratio seems to be close to FR data.



## Folded Horn Acoustic Guitar U.S. Patent #10,777,172



Normal conversation is 60-65dB, at three feet away.

A standard acoustic guitar is 75-85 dB

Many brass instruments are 95-100 dB.

Beatles song in my Jeep Grand Cherokee with the windows rolled up. Decent stereo, nothing fancy: 100 dB max, pretty damn loud.

Bagpipes are 100-105 dB, you can hear them on a hill from three blocks away.

I like 105 dB from my acoustic guitar.

I even like 110 dB from my acoustic guitar.

115 dB from my acoustic guitar is all I can tolerate, and that is likely a little too loud (you can always turn it down).

120 dB from my acoustic guitar is absolute max, pretty ridiculous, too loud, starts to feedback, distortion starts to set in.

125-130 dB is the threshold of pain.

## Testimonials #1:

# Folded Horn Acoustic Guitar Patent # 10,177,172

What a remarkable, beautiful bit of work you've put into this! And CNC skills *to the moon!* Wow. Can you see how green I am?

Unbelievable work.

This guitar is sick!!

You need to flaunt this. It will blow peoples minds!

I HATE !!!! the fact I did not think of this, I play guitar and would love to hear this, it's a great idea. So very fricken cool !!!!!

Done right, I would think this to be a revolutionary instrument.

Jaw-dropping just to see part of it.

Beyond impressive!

Beautiful, a work of Art.

This is frigging wild, awesome, crazy cool!

Intriguing acoustic design.

Wild idea, flying close to the sun.

I'd like to see the guitar. Do It. Play it.

Very, very interesting.

Cant wait to hear this thing, and please have someone with a slide rip a riff, love the concept!

I love the creativity of your project.

If its a success tonally then I'd expect a good audience for such an instrument.

The patent is notably well written. Much of it is a re-cap of the guitar's weaknesses and a teaching of new fabrication technology for complex but natural shapes.



# Folded Horn Acoustic Guitar U.S. Patent # 10,177,172



## Folded Horn Acoustic Guitar Patent # 10,777,172



CNC machine almost complete. I can cut the entire body and horns in about two full days, runs at night.



Folded Horn Acoustic Guitar Patent # 10,777,172

