Exhibit 3

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          IN THE UNITED STATES DISTRICT COURT
                                                                  FOR THE DEFENDANTS:
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           FOR THE EASTERN DISTRICT OF TEXAS
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                TYLER DIVISION
                                                                  ALCATEL-LUCENT USA, INC.
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     WI-LAN, INC.
                                                                  MR. GREGORY S. AROVAS
                      DOCKET NO. 6:10cv521
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                                                             5
                                                                  MR. ROBERT A. APPLEBY
        -vs-
                                                                  MS. JEANNE M. HEFFERNAN
 5
                      Tyler, Texas
                                                                  KIRKLAND & ELLIS LLP
     ALCATEL-LUCENT USA, INC.,
                                     1:06 p.m.
                                                                  601 Lexington Ave.
                       ) July 11, 2013
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     ET AL
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                                                                  New York, New York 10022
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 8
     WI-LAN, INC.
                                                                  MR. MICHAEL E. JONES
                      DOCKET NO. 6:13cv252
                                                                  MR. JOHN F. BUFE
 9
        -VS-
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                                                                  MR. ALLEN F. GARDNER
10
     HTC CORPORATION,
                                                                  POTTER MINTON PC
     ET AL
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                                                                  110 N. College, Ste. 500
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                                                                  P.O. Box 359
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                                                                  Tyler, Texas 75710
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              TRANSCRIPT OF TRIAL
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               AFTERNOON SESSION
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                                                                  ERICSSON, INC. AND TELEFONAKTIEBOLAGET LM ERICSSON
           BEFORE THE HONORABLE LEONARD DAVIS,
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        UNITED STATES CHIEF DISTRICT JUDGE, AND A JURY
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                                                                  MR. JUSTIN S. COHEN
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                                                                  Dallas, Texas 75201
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                                                                  HTC CORPORATION, HTC AMERICA, INC., AND EXEDEA, INC.
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                                                                  FOR SONY MOBILE COMMUNICATIONS (USA) INC. AND SONY
                                                            16
     MR. WESLEY HILL
                                                                  MOBILE COMMUNICATIONS AB
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61 63 1 1 months after its acquisition from Airspan. And what needs to be. That's where the patents were, at the date 2 2 Wi-LAN wanted to do was justify the 11-million-dollar of alleged first infringement; and that's who we are 3 3 treatment of the transaction for its accountants. It required to assume is at the negotiating table. 4 wanted to book \$3 million in licensing revenue to offset 4 Q. Now, when you say that's where the patents 5 5 were, do you mean that's -- that's who owned the patents the \$8 million that they paid for the patents from 6 6 at the time of the hypothetical negotiation? Airspan. 7 7 A. Airspan owned the patents at the time of both And so they conducted an analysis -- an 8 8 hypothetical negotiations. analysis to see if they could justify that value. What 9 9 MS. HEFFERNAN: Let's go to Slide 5. they said is that -- and right in the middle, 10 10 Q. (By Ms. Heffernan) I'd like to talk a little Mr. Houston said what I just described. He said the 11 bit about the areas of disagreement that you have with company may be able to achieve the following royalty 11 12 12 rates. And he outlined a couple of royalty rates. One Mr. Jarosz. 13 13 is .1 percent of sales for base stations, and the other Did you -- did you have an opportunity to 14 14 review his expert reports in this case? is 5 cents per device for handsets or modems. 15 15 A. I did. He submitted two expert reports, and And Mr. Jarosz didn't talk about this 16 he was deposed twice, and I saw him testify in court 16 vesterday, but his base station rate, if you do it on an 17 17 here yesterday. effective rate basis, if you apply his royalty opinions 18 of the accused sales, it works out to be about 3.5 18 Q. Can you summarize your areas of disagreement 19 19 percent. So that's 35 percent times what's even in this 20 memo, which was what Wi-LAN said that it may be able to 20 A. Sure. Sure. I have them on this slide. 21 21 achieve, not what it would achieve. They fall into four categories. The first is 22 that Mr. Jarosz seeks a financial windfall for Wi-LAN 22 Q. Let me interrupt you there. You're referring 23 23 The second is that I believe he uses the wrong to Mr. Jarosz' reasonable royalty opinions. 24 starting point. That's because he placed the wrong 24 Did you hear him yesterday express a final 25 25 conclusion on what the reasonable royalty should be? party at the hypothetical negotiation table. He 62 64 1 considered Wi-LAN and focused on Wi-LAN and not Airspan. 1 A. Well, that's a good point, because that came 2 He values more than the patents-in-suit. We'll talk a 2 out on cross-examination, that he didn't have opinions 3 3 little bit more about that later. regarding a reasonable royalty. He had -- I think he 4 4 And I believe that he ignored the best called them suggestions that needed to be reduced prett 5 evidence of value. We had a transaction that we just 5 dramatically. I think it came out on cross, and I think 6 6 saw some video about involving these very same patents that's clear from this -- from this memo, too. 7 7 that we're engaged in with Wi-LAN. Q. So for his 3.8-million-dollar amount or 8 8 suggestion for Alcatel-Lucent, that was 35 times the Q. So let's take those one-by-one. 9 9 MS. HEFFERNAN: Next slide, please. amount on an effective royalty basis --10 10 Q. (By Ms. Heffernan) Now, you heard Mr. Jarosz A. Right. 11 Q. -- than the .1 percent of sales? 11 talk a bit about a memorandum. Is that where we should 12 12 (Electricity went out.) 13 A. Sure. I think that's a place where I can help 13 THE COURT: All right. I guess this illustrate why I say that Mr. Jarosz seeks a financial 14 14 would be a good time for a break. We'll take our 15 afternoon break at this time. We will be on break until 15 windfall for Wi-LAN. 16 Q. Okay. So what I have up on the screen now as 16 2:30. 17 Slide 7 is a blowup of DX 55. That is the Cory Houston 17 (Recess.) 18 memo written to Shaun McEwan in December of 2009 that 18 COURT SECURITY OFFICER: All rise. 19 we've heard some testimony about. 19 (Jury in.) 20 20 THE COURT: Please be seated. Q. You've highlighted some areas of this memo. 21 21 All right. You may proceed. 22 Can you -- can you tell us what the 22 MS. HEFFERNAN: Thank you, Your Honor. 23 23 significance is of that? Q. (By Ms. Heffernan) Mr. Bakewell, before we

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experienced that electrical inference, we were talking

about Slide 7 in your demonstratives.

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A. Sure. So this was a memo that was prepared in

connection with Wi-LAN's -- it was prepared several

A. Right. 1
O. In particular, we were talking about your 2

Q. In particular, we were talking about your

conclusion that Mr. Jarosz essentially invites the jury

4 to award a windfall to Wi-LAN. And I -- and I think we

5 left off on the .1 percent of sales for base stations.

6 A. Right.

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Q. Can you tell me how it is that you concluded

8 that Mr. Jarosz seeks to award an effective royalty rate

9 to Wi-LAN of about 35 times higher than this .1 percent

rate that we have here on DX 55?

A. Well, he had this suggestion of over

of 120 million, it's way larger.

So 10 percent of 120 million -- that's the

number he used -- that would be 12 million; and then 1

percent would be 1.2 million; .1 percent is \$120,000.

His damages estimate, or whatever he called

it, was way higher than that.

Q. Now, why do you use \$120 million as the base

for the effective royalty rate?

A. Because that's the -- what's called the

smallest saleable unit. Those were the accused sales

related to the software upgrades.

Q. And for HTC, the handset modems number here of

a nickel per device, is it your conclusion that

and I think that that was the wrong place for him to start his analysis.

MS. HEFFERNAN: So let's go to the next

that guidance; instead, he focused on Wi-LAN's licenses

MS. HEFFERNAN: So let's go to the next slide, Slide 9.

Q. (By Ms. Heffernan) On this slide, we have a listing of the licenses that Mr. Jarosz said were comparable in arriving at a hypothetical license for Alcatel-Lucent in this case: ZTE, Huawei, and Motorola Solutions.

Now, you have listed here on this slide certain columns: Scope, geography, driven by the patents-in-suit, and base stations only.

Let's go through those one by one.

A. Sure.

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Q. What do you mean when you say that the scope of these licenses is not comparable?

A. Well, I think this came out pretty clearly on cross-examination when you and Mr. Findlay cross-examined Mr. Jarosz.

The licenses for base stations, to the extent they're even considered, are very different; and the scope of those licenses was much broader than the license that we have to evaluate in this case, which relates for Alcatel-Lucent to only three patents.

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1 Mr. Jarosz seeks to invite the jury to award a windfall

to Wi-LAN?

A. The calculation works out to be similar. The

4 number -- the equivalent of what he suggested for HTC is

5 like somewhere between 20 and 25 cents, and that's way

6 above 5 cents.

7 Q. So --

8 A. That's more than -- this thing says may be

9 able to achieve. Those effective rates are way low for

what Wi-LAN said it may be able to achieve.

Q. All right,

MS. HEFFERNAN: Let's go to the next

13 slide, Slide 8.

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Q. (By Ms. Heffernan) Let's return to your

summary of the areas of disagreement.

The next area of disagreement is that you transfer that he uses the wrong starting point.

18 **A. Right.**

Q. What do you mean by that?

A. Well, that relates to the slide that I made

21 regarding the hypothetical negotiation and the

22 requirement that both he and I have to make under the

23 law that Airspan is the party that would be licensing

24 its patent rights to Alcatel-Lucent or HTC.

Because he did that, he didn't really respect

The scope of these licenses was thousands -literally thousands of patents in most cases; and ZTE
was over 400 patents, plus whatever patents relate to

these wireless standards.

6 Mr. Jarosz about his opinions in this case, I said that

Q. Now, yesterday when I was visiting with

7 the Huawei license was for 951 patents, and it was

8 roughly one-third U.S./two-thirds foreign.

A. I think that's right.

Q. But then we also talked about Huawei getting a license to almost 3500 patents.

A. Right.

Q. So can you explain how that works out?

A. Oh, sure. I'll clarify, because there's a clause in the Huawei license that says -- you get it in plain words. It says, hey, look at the schedule in the back, and if you look at the schedule in the back, it lists out 900 patents.

And then the sentence continues, and it says and you get rights to all future patents. And we've heard testimony about Wi-LAN's portfolio growing. And so that's why it's thousands of patents.

MS. HEFFERNAN: Let's go to the next

slide, Slide 10.

Q. (By Ms. Heffernan) What about the geography of

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89 91 1 1 Q. Can you -- so we've basically just discussed And this all happened at one time, and the 2 the middle part of the slide. Can you just walk -- get 2 parties agreed that, look, all that's going to change 3 us through to the end, get us through to the finish line 3 here is \$8 million. That's what this setoff agreement 4 4 here? accomplishes. 5 5 A. Sure. So -- well, I talked about, actually, Q. Okay. So, actually, we've talked -- we've 6 6 seen the Brant testimony, so I don't need to go to the all of this. I said there was a bunch of back and 7 forth. We saw what -- the culmination of that in this 7 8 8 1.55-million-dollar e-mail -- portion of the e-mail. Let's go to -- actually, let me just ask you 9 Then we saw this accounting arrangement here. 9 this. Let's take a step back. 10 Then what Airspan did is to make sure that it 10 So we've walked through the offers and the 11 was getting a -- what it thought would be a fairly 11 counteroffers. We get to a final deal, as we see here 12 priced, fair value for its patents, it went out, and it 12 for \$8 million net. 13 went to the marketplace. 13 Why is it your opinion that this patent 14 14 And InterDigital -- InterDigital is another purchase agreement is the best evidence of how the 15 15 company like Wi-LAN -- and somebody from Airspan parties at the hypothetical negotiation would look at a approached -- approached somebody from InterDigital and 16 16 license? 17 asked them what they would offer for the same patents. 17 A. So we saw people negotiating, parties 18 18 InterDigital came back and said: The best we negotiating rights to patents. They're doing it in the 19 can do is, we'll offer you \$6 million for all of your 19 form of an acquisition, which is different than a 20 20 patents, all of your patents. license. If you acquire patents, then you have the 21 21 Q. And so that's how it changed into a ability to get royalties from others. 2.2 portfolio-type approach to the deal? 22 And so a non-exclusive license, which is what 23 23 A. So then it went from just being three patents we're evaluating here, has to be some subset of the 24 to being a portfolio type of deal. So that's that 24 value of something that's purchased. 25 25 transaction -- or proposed transaction. So we have these amounts. We have \$8 million 90 92 1 1 Then just a few days later, after Airspan for all of Airspan patents -- Airspan's patents, or we 2 2 communicated to Wi-LAN that it had gotten this other have \$1.55 million for three of the four 3 3 offer, Wi-LAN offered more money. It offered a net patents-in-suit. And we know that the rights that apply 4 4 price -- and we know this is what Airspan was focused to any Defendant in this case, or any licensee, is a 5 5 on, from Mr. Brant's testimony -- of \$8 million, and it subset of that amount. 6 6 was structured as \$11 million for Airspan's patents. Q. But you mentioned in your prior testimony a 7 7 That's that amount, which I should have non-exclusive license. What's that? 8 8 underlined and not crossed out. A. Well, a non-exclusive license, it's like --9 9 And then the \$3 million for a license to one analogy you can use is an apartment, for example. 10 10 Wi-LAN's patents, which allowed Wi-LAN to book So in an apartment, you pay rent on a monthly 11 11 \$3 million in revenues. It was an accounting basis. The overall apartment complex is worth more tha 12 just each individual apartment. And a license is the 12 transaction. The economics were that \$8 million changed 13 13 ability to use the space and pay rent at whatever you hands. 14 Q. Okay. So you cite here DX 14, and I've got DX 14 occupy within the apartment building. 14 in my hand. It's -- actually, it's -- it's another 15 15 Q. All right. 16 e-mail. And the jury can take a look at it. 16 MS. HEFFERNAN: Let's go to the next 17 17 Is there a single place in this e-mail where slide, Slide 69. 18 18 they say 11 million for the patent acquisition minus Q. (By Ms. Heffernan) So you've got this 19 3 million for the Wi-LAN patent license equals 8 19 8-million-dollar benchmark. You're calling them value 20 20 benchmarks. What do you do with this number in order to million?

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determine how Airspan and -- and Alcatel-Lucent, sitting

of a license -- how much Alcatel-Lucent would pay for a

down at that table in 2005, would figure out what kind

A. Sure. So I did a calculation. I looked at,

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A. Well, there sort of is. There's three

contracts that are attached to this e-mail. There's the

11-million-dollar purchase; there's the 3-million-dollar

license; and then there's a third agreement that's

called an offset agreement that's at the back.

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- 1 well, what percent of the royalty income that Wi-LAN 2 expected of its licensees would relate to -- we'll start
- 3 with Alcatel-Lucent. And that number is 12.4 percent.
- 4 I also checked that against public
- 5 information, in terms of, if you compare the handset
- 6 market to the base station market and look at the
- 7 relative market shares and the different products. And
- 8 I got a very similar answer.
- 9 So I think there's agreement that in terms of
- 10 the share of this apartment or pie, that Alcatel-Lucent
- 11 is attributable to 12 percent of the \$8 million, or you
- 12 can attribute 12 percent of the \$8 million, if you
- 13 consider \$8 million to be the entire market to
- 14 Alcatel-Lucent.
- 15 Q. So just following through with your analogy,
- 16 if the entire apartment complex is \$8 million,
- 17 Alcatel-Lucent's share of that apartment complex, its
- 18 apartment is about 12 percent of the total; is that
- 19 right?
- 20 A. That's right. Now, we have to make a couple
- 21 of other adjustments for time, because when you pay
- 2.2 rent, you pay on a monthly basis as opposed to a patent
- 23 purchase, which covers the life of the patents. So we
- 24 have to make some adjustments to reduce the amount that 25
 - we've calculated.

under a million dollars?

- A. Right. It's actually 12.4-something percent, so that's why these numbers don't work out to be round numbers. I used the actual number from the spreadshee And then I said we have to make -- I alluded to this earlier. We have to make a couple of adjustments.
- Q. And actually, may I interrupt you?
 - A. Sure.
 - Q. Before we get to those adjustments, is this approach that you're using in this case, taking a market transaction and applying it to a licensing structure?

Is that something that you've done in your real-world practice before?

A. Sure. This is part of the work that I described that I do in terms of advising clients or figuring out the value of any patent rights relative to others. I've done this a lot. I've seen other people do it. It's also, I think, intuitive. And I think it's a very valid way to go about doing this.

I believe Mr. Jarosz said he never saw anybody do this, and I, frankly, was a little bit perplexed that he hadn't.

Q. Now, you were saying that you needed to make some adjustments. Here, we have on the slide "less post-trial damages." Why are you looking at "less

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- Q. Okay. Now, you've also highlighted the 1
- 2 portion for HTC. What is HTC's portion of the market,
- 3 based on your calculations?
- 4 A. So if you look at HTC and its portion of the
- 5 market, it's about 2-1/2 percent.
- 6 Just so everybody can see, because there's
- 7 four Defendants in this case, Ericsson is about 12
- 8 percent -- or 9 percent, which is a little less than
- 9 Alcatel-Lucent.
- 10 Then Sony Ericsson, we heard some testimony on
- 11 this, actually. I'll put a box around that. That 0
- 12 percent. These numbers are rounded, and I think it's
- 13 0.4 percent of the marketplace if you combine these two
- 14 markets together as attributable to Sony Ericsson.
- 15 So this is a source that confirms, at least
- 16 from my point of view, that the accounting records that
- 17 Sony submitted are accurate.
- 18 Q. All right.
- 19 MS. HEFFERNAN: Let's go to Slide 72.
- 20 Q. (By Ms. Heffernan) So we take your 8 million
- 21 and you multiply it by 12 percent --
- 22 A. By 12.
- 23 Q. I'm sorry?
- 24 A. Excuse me. I said, yes, by 12.
- 25 Q. And your subtotal that you arrive at is just

post-trial damages"?

A. Right. So here we are in July of 2013, but these are a longer life. These patents in this case, in particular, run out to 2017. So we've got four years that's in the future, and we're not permitted as damages experts to speculate and say what's going to happen in the future beyond today.

So we have to make an adjustment and remove the part of this calculation that relates to the future. So that's the first calculation that I did.

- Q. All right. Now, did -- did Mr. Jarosz do a similar calculation with his, I guess, amounts that he proposed?
- A. No, he did not. So if you remember, Mr. Jarosz put up a slide with those blue horizontal bars, and there was some cross-examination where I think you and I believe Mr. Findlay both asked Mr. Jarosz about whether these licenses that he had used had made an adjustment for pretrial and the post-trial damages.

And he had not. I hope that was clear from his testimony; but if it wasn't, I just want to make it abundantly clear.

These amounts apply to a much longer timeframe that's at issue than is at issue in this case.

These numbers, in addition to feeding into

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117 119 1 O. Yeah. that in 2005, he had Airspan at the table, not Wi-LAN. 1 2 A. -- that were consistent with my opinion. 2 right? 3 3 Q. Data points that you in your words said were a A. That's what he said. 4 4 useful benchmark for the reasonable royalty in this Q. Right. That's what he said under oath in the 5 case, right? 5 courtroom, right? 6 6 A. That's right. A. I'm not sure that's what he did, but that's 7 7 Q. So we have a little bit of a double standard what he said. 8 here, right? Because these licenses, they're different 8 Q. Sir, can you answer my question? 9 than the hypothetical negotiation, but you relied on 9 That's what he said under oath in this 10 them, yet you criticized Dr. Becker and Mr. Jarosz for 10 courtroom: isn't that true? 11 relying on Wi-LAN's licenses. Isn't that true, sir? 11 A. Sort of. 12 A. No, that's not true. 12 Q. Well, sir, did he testify that Airspan, in his 13 Q. Now, I think I mentioned this, and it's 13 analysis, was the party at the negotiation table in the 14 reflected here on PDX 1, Dr. Akl actually told you that 14 hypothetical negotiation, that would have occurred in there were five HTC licenses that involved comparable 15 15 2005? Did he say those words, sir? patents, right? 16 16 A. He did. 17 A. He did. 17 Q. And I think you've suggested -- and this is 18 Q. But you only relied on four of them, correct? 18 what I'm a little unclear about -- you suggested that he 19 A. Well, there was one --19 wasn't -- he didn't really do what he said he did, 20 Q. Sir, can you answer my question yes or no? Am 20 because he relied on Wi-LAN licenses; is that right? 21 I correct that you only relied -- you only found that 21 A. Among other things, yes. 22 four of the five licenses that Dr. Akl said were 22 Q. Now, you, sir, you relied in your analysis --23 comparable -- were comparable from a technological 23 in fact, pretty much the only thing that you relied on 24 standpoint provided a useful benchmark for a reasonable 24 in your analysis was the Airspan/Wi-LAN -- it wasn't 25 25 even the acquisition so much as the memo that was royalty analysis, right? 118 120 1 1 prepared, PX 200, I think you called it -- I don't know A. There was one that was very different. 2 2 whether the Defendants have a different number -- PX 200 Q. Right. The one that you rejected was the 3 3 is that valuation memo, that impairment memo, that Philips license, correct? 4 4 Mr. McEwan did. A. That's correct. 5 5 A. Right. Did you say that was the only thing I Q. And it just so happens, sir, that the Philips 6 6 license that you rejected was the license by far -- the considered? 7 7 Q. No. one HTC license that Dr. Akl identified to you by far --8 8 which involved the largest lump-sum royalty payment; A. Because that's not correct. 9 9 isn't that true, sir? Q. Your numbers that you testified about to the 10 jury were based on the Airspan acquisition agreement; 10 A. That's true. 11 11 Q. It was 4.4 million for the Philips license isn't that true, sir? that you rejected, but the Traffic Information license 12 A. Among other things, yes. 12 13 and the Dicam license and the Digcom license and the SP 13 Q. But the only -- the only numerical input into 14 14 Technology license, those were for very small amounts, your analysis came from that agreement; isn't that true, 15 15 and you found that those were comparable, right? 16 A. I don't know if they're very small. They are 16 A. No.

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Q. You started -- you went through a whole long

whether it was \$11 million or \$8 million and -- and then

you walked through how you went from the \$11 million,

Q. -- which I'll talk about with you in a second.

And that's -- those are the only numbers I

heard during your testimony; isn't that true, sir?

plus what you call the interest factor --

A. Right.

testimony about the Wi-LAN/Airspan transaction and

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what they are.

a big difference, isn't it, sir?

Q. Well, \$50,000 versus \$4.4 million is a heck of

You testified in your direct testimony that --

A. Sure. There's a difference. Of course.

I think you acknowledged that Mr. -- Dr. -- that Mr.

royalty valuation that between the parties in this case

Jarosz testified under oath that in his hypothetical

Q. I just want to clarify one point.

125 127 1 reasonable royalty, I think that that's right. It's a appropriate to start putting up language from court 2 2 orders on the screen and ask Mr. Bakewell to comment cap on royalty. 3 3 Do you remember giving that answer? upon court language. 4 4 A. Yes. That's right? We've got a motion in limine in this 5 Q. It's true, sir, isn't it, that neither 5 case, agreed upon by both parties, not to talk about 6 Dr. Becker -- well, that neither Dr. Becker nor 6 court orders. 7 7 Mr. Jarosz expressed the opinion that the Airspan MS. HUTTNER: These are not a court 8 8 purchase price was a cap on -- on the royalty that order. It's a decision in a Federal Circuit case that 9 Wi-LAN could recover, right? 9 was decided in 2011. It's a matter of public record. 10 A. Their analysis was different. 10 MS. HEFFERNAN: I still don't think it's 11 part of his conclusion. He's not a lawyer. Q. Right. And actually, sir, that's not the only 11 12 reason they didn't say it, is it? 12 THE COURT: You can question him, but 13 I mean, isn't it true that the -- well, let me 13 he's not to go into the opinion himself. 14 just ask you: Part of your job as an expert damages 14 MS. HUTTNER: I'm just going to have it 15 15 witness is -- and I know you're not a lawyer, but part read, the language -- I'm not going to ask him questions of your job is to know the law on damages; isn't that 16 whether he agrees or does not agree with the --16 17 true? 17 THE COURT: Don't go into the opinion. 18 A. Yes. 18 Objection sustained. 19 Q. And you look at the cases and you are 19 MS. HEFFERNAN: Thank you, Your Honor. (Bench conference concluded.) 20 required -- in order to give testimony that's accurate 20 Q. (By Ms. Huttner) So when we left off, we were 21 to the jury, you're required to know what the law is, 21 22 right? 22 talking about the SPECTRAlytics case, and you're aware, 23 23 sir, that in the SPECTRAlytics case --A. That's right. I try to do that. 24 Q. And you are aware, aren't you, and I think you 24 MS. HEFFERNAN: Excuse me, Your Honor. 25 25 were aware when you wrote your report, that the Federal think the Court made a ruling --126 128 1 1 Circuit is the Appeals Court that hears all patent THE COURT: The objection is sustained. 2 2 Q. (By Ms. Huttner) All right. Now, let's talk cases, right? 3 3 A. That's true. about what you call in your slides, you know, the 4 4 interest rate, in quotes. You put quotes around it, Q. And so you look to the Federal Circuit for 5 5 guidance on what a damages analysis should be in a right? 6 patent case, correct? 6 A. Right. 7 7 A. I do. Q. And the reason you put quotes around it is Q. And are you aware, sir, that the Federal 8 because the number that you used, that 31 percent, was 8 9 Circuit in the SPECTRAlytics case expressly rejected the 9 not really an interest rate, right? A. Well, it was -- can I tell you why? 10 idea that reasonable royalty damages are necessarily 10 11 limited by the price the company has paid to acquire a 11 Q. Yes or no, sir. Answer my question, please. 12 patent? 12 13 13 A. They said necessarily limited. That's true. Q. It wasn't an interest rate? 14 Q. Right. So let's look at what they said. 14 A. No. I'd like to explain. 15 MS. HUTTNER: Can I have PDX 2, please? 15 Q. It was something called the hurdle rate, 16 Q. (By Ms. Huttner) This is from the Federal 16 right? 17 17 Circuit's decision. And can you read that out loud for A. Among other things. 18 me, please, the quote that's there? Q. Wi-LAN -- and you got that number, and we 18 19 MS. HEFFERNAN: Excuse me, Your Honor. 19 talked about it in your deposition, that the hurdle rate 20 that you used, that 31 percent, you took from the McEwar 20 Permission to approach? 21 21 memo, PX 200, right? THE COURT: Excuse me? 22 MS. HEFFERNAN: Permission to approach? 22 A. Among other places, yes. 23 THE COURT: Yes. 23 Q. Okay. And the hurdle rate -- well, we talked 24 24 (Bench conference.) about an interest rate like you get on your passbook

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savings account from your bank. You know in advance

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MS. HEFFERNAN: I don't think it's

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129 1 1 at your deposition that weighted average cost of capital what the bank is going to pay you, right? They're going 2 to pay you whatever it is, 2 percent these days, not too 2 3 3 much. But 2 percent or 5 percent of whatever it is, 4 4 right? 5 5

A. Right, if that. I think it's more like zero.

Q. That's right. But you know in advance and you know that if you keep your money in the bank, that's what they're going to pay you, right?

A. Correct.

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10 Q. But that's not the same -- that's not the case 11 with the hurdle rate, right?

A. It's the same concept, but it's a different terminology. Yes.

Q. It's not guarantee -- there is no guarantee with a hurdle rate?

A. That's true.

Q. In fact, the hurdle rate -- and I think we have a definition that we can put up -- the hurdle rate -- and this is from the business dictionary. I just picked one. There are a number of them out there.

But the hurdle rate is defined as the minimum return on investment necessary to cover all costs associated with a project. If the expected rate of return is below the hurdle rate, the project is abandoned or modified to increase the return.

and the hurdle rate are essentially the same idea.

Do you recall that?

A. They can be. Yes.

Q. So in this case, the 31 percent in Mr. -- that

6 Mr. McEwan had in PX 200, that was really his -- based

7 on his best estimate of how an investment in the Airspan

8 portfolio might fare, depending upon things that might

9 happen in the future with the market, with the law, with

10 a court case like this one, right?

11 A. I'm not sure that he was that precise, but he 12 was attempting to discount an expected future value of

13 some prediction of future cash flows.

14 Q. Okay. He wasn't saying this is all I'm ever

15 going to make, right?

16 A. Yes, he was, actually.

17 Q. Well, in fact, sir, the purpose of that memo

18 that he wrote was simply to determine whether or not

Wi-LAN could book its purchase of the Airspan patent at

20 what it paid, \$11 million, right? That was the only

21 thing he was interested in?

A. I'm sure he was interested in other things,

23 but that was the main purpose of that memo.

> Q. So let's move on. I'd like you to turn to your supplemental report, Exhibit 1.6, I believe.

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1 And it goes on. I'm not going to read the 2 whole thing.

But essentially it's true, isn't it, that the hurdle rate is really a measure that a business uses to decide whether or not it's worthwhile to make a particular investment? Right?

A. I think I would agree with that. Yes.

Q. It's basically a go/no-go criteria. If an investment -- applying the hurdle rate, if it looks like

10 it's going to yield a return that exceeds the hurdle

11 rate or is equal to or exceeds the hurdle rate, then

12 it -- the business may decide to invest. But if it's

13 below the hurdle rate, the business says our money can

14 be better spent elsewhere, right?

A. Fair enough.

16 Q. And that's how companies use the hurdle rate,

17 and that's how Mr. McEwan used the hurdle rate, that

18 31-percent hurdle rate in PX 200, that memo where he was

19 looking at impairment, correct?

A. That's not right. That's not quite right.

21 Q. He talked about weighted average cost of

22 capital; is that right?

23 A. He did.

> Q. And weighted average cost of capital -- and I asked you this at your deposition. I think you told me

1 A. Okay.

> Q. This is a schedule -- financial schedule you prepared in connection with one of your reports in this case, right?

A. Hold on a second, please.

6 Q. 1.6.

A. Okay.

Q. And in 1.6, you talk about some of the numbers that you talked about during your direct testimony that were taken from that McEwan memo, right?

A. Yes.

Q. And I'd like to just walk through some of the numbers with you.

You report -- you start out in your exhibit -sorry -- in your schedule with the \$11 million that Wi-LAN paid for the Airspan portfolio, right?

A. Right.

18 Q. And you next say -- you know, you point out 19 that the portfolio contained a total of 62 patents, 20 including the 4 being asserted in this case, right?

I think that's in your -- your Footnote 3.

22 A. Right. This is one of the calculations that I 23 did.

Q. Yeah. And -- and if you leave the 4 patents-in-suit aside, you calculate here in the 132

145 147 1 Ms. Huttner was referring to. 1 18-year-old son. 2 2 I saw a rate that was, I think, 27 percent MR. SOSTEK: And can we turn to DX 3, 3 that Mr. Houston used. And then he used an amount that 3 please? 4 4 was that 31 percent. Q. (By Mr. Sostek) Can you give us a brief 5 And so to factor into this calculation that I 5 summary of your educational experience, Dr. Becker? 6 didn't have to do to begin with, it was a calculation of 6 A. Yes. I have a bachelor's of science in 7 7 generosity, I chose the highest one in order to be electrical engineering from the University of 8 8 conservative. Pennsylvania, an MBA in finance from UT Austin, and 9 MS. HEFFERNAN: No further questions. 9 Ph.D. in public policy from UT Austin. Q. And as we turn to DX 4, can you tell us if you 10 THE COURT: Thank you. Any recross? 10 11 MS. HUTTNER: No, Your Honor, no recross. 11 are a member of any professional organizations? 12 12 THE COURT: All right. Thank you. A. Yes. I'm a member of the Licensing Executive 13 If the jury will pass down any questions 13 Society, something called the American Economic 14 you might have for this witness. 14 Association, and the American Finance Association. 15 15 (Pause in the proceedings.) Q. And as we move to Slide No. 5, can you give us 16 THE COURT: All right. You may step 16 some background of your work experience? 17 down. 17 A. Yeah. I can try and make this pretty quick. 18 THE WITNESS: Thank you, Your Honor. 18 I started out as an engineer out of my THE COURT: All right. Who will your 19 19 undergraduate degree, as you saw on that prior slide. I 20 2.0 next witness be? have a bachelor's of science in electrical engineering 21 MR. SOSTEK: Your Honor, we call 21 and computer science, and I went to work first for a company called Schlumberger that's in the oil business, 2.2 Dr. Stephen Becker to the stand. 22 23 THE COURT: Dr. Becker, let me ask the 23 in the oilfield services business, but I was a research 2.4 jury, how are you doing? Do you need a break? 24 scientist in their labs in Houston. 25 25 Everybody okay? I then went and formed my own company called 146 148 1 I know it's getting warm in here. The 1 The Solutions Group that did computer design and 2 power surge we had knocked the air conditioning off, and 2 basically software design for current systems. 3 they're supposed to be trying to get it back on. If 3 After finishing my master's degree, I went to 4 anyone would like to take their jackets off, please feel 4 work for a firm called Booz-Allen & Hamilton. It's an 5 free to. 5 international management consulting firm. 6 Does anyone on the jury need a short 6 And then I formed something called Becker & 7 7 break before we continue with this witness? Everybody Associates, which essentially was continuing to do 8 okay? 8 management consulting and strategy consulting but for 9 All right. Very good. 9 smaller businesses. 10 Dr. Becker. 10 And then ultimately I formed the company that STEPHEN BECKER, Ph.D., DEFENDANTS' WITNESS, SWORN 11 11 I have now with my partner called Applied Economics 12 DIRECT EXAMINATION 12 **Consulting Group.** 13 BY MR. SOSTEK: 13 Q. And would you tell us a little bit about your 14 O. Good afternoon, Dr. Becker. 14 company, Applied Economics consulting Group? 15 15 A. Good afternoon. A. Yes. We are a firm of about 20 people in 16 Q. Would you introduce yourself to the jury, 16 Austin that do economic and financial consulting for 17 please? 17 clients in a variety of industries with a big 18 A. Yes. My name is Stephen Becker. I live in 18 concentration in the valuation of intellectual property 19 Austin. I am one of the owners of an economic 19 and particularly the valuation of patents. 20 consulting firm called Applied Economics. 20 Q. Have you served as an expert in patent damages 21 Q. And seems -- since there seems to be a 21 cases before, Dr. Becker? 2.2 requirement, could you tell us a little bit about your 22 A. I have. 23 family? 23 Q. And can you tell us a little bit about that. 24 A. Sure. My wife, Emily, and I have been married 24 A. I've been retained as an expert in -- oh, I 25 for 20 years. I've got a 16-year-old daughter and an 25 think it's over 40 cases now over the last 15, 20 years

			53 (Pages 209 to 212)
	209		211
1	that in front of the jury.	1	THE COURT: Well, it would just be up to
2	THE COURT: Right.	2	them.
3	MR. JONES: But we can do that in the	3	MR. HILL: Up to them whether they did it
4	morning.	4	Saturday or whenever?
5	THE COURT: Thank you for reminding me.	5	THE COURT: Right. Saturday or Monday or
6	Please remind me again in the morning.	6	wanted to stay late Friday night or whatever.
7	Let me just ask the parties what	7	MR. HILL: I think our preference would
8	witnesses will the Defense have left, if any, for in the	8	be, Your Honor, to argue Monday.
9	morning?	9	THE COURT: What about Defendants?
10	MR. AROVAS: The Defendants have two	10	MR. AROVAS: We'll be prepared to do it
11	witnesses, although one is by deposition and is only	11	at the Court's convenience, whether it's tomorrow or
12	five minutes.	12	Monday.
13	The last witness will be Dr. Lanning, who	13	THE COURT: Do you have a preference?
14	will talk about the issue of invalidity. I do imagine	14	MR. AROVAS: Tomorrow would be our
15	-	15	
16	that will take a little bit of time.		preference.
17	THE COURT: Okay. What would you define	17	THE COURT: Okay. All right. Well,
	as a little bit?	18	we'll see how it goes tomorrow and how long we have lef
18	MR. AROVAS: In the hour to	19	and how tired the jury is. And I may give them that
19	hour-and-a-half range.		option and see what they would prefer.
20	THE COURT: Okay. All right.	20	So be prepared to argue tomorrow in case
21	MR. AROVAS: For direct.	21	that's where we end up; but if not, we'll argue on
22	THE COURT: Okay. All right. And what	22	Monday.
23	about Plaintiffs, you'll, of course, have	23	Anything further before we adjourn for
24	cross-examination of that. What about rebuttal	24	the evening?
25	witnesses?	25	MR. WEAVER: Not from the Plaintiff, Your
	210		212
1	MR. WEAVER: Then we will be calling a	1	Honor.
2	rebuttal witness, Dr. Wells.	2	THE COURT: Okay. Defendants?
3	THE COURT: With regard to invalidity?	3	MR. AROVAS: Not from the Defendants.
4	MR. WEAVER: Correct, with regard to	4 5	THE COURT: Y'all have a good evening. We'll see you in the morning.
5	validity, yes.	6	COURT SECURITY OFFICER: All rise.
6	[Laughter]	7	(Court adjourned.)
7	THE COURT: I thought they had the	8	-
8	burden. Do you want the burden?	9	CERTIFICATION
9	MR. WEAVER: I don't think I'm going to	10 11	I HEREBY CERTIFY that the foregoing is a
10	let him testify on invalidity, Your Honor.	12	true and correct transcript from the stenographic notes
11	THE COURT: All right. Okay. Well, it	13	of the proceedings in the above-entitled matter to the
12	sounds like we're not we're probably going to use	14	best of our abilities.
13	most of our time, which y'all have got about 2 hours	15	
14	a little over 2 hours each left.	16 17	/s/ Shea Sloan
15	If we start at 9:00, we'll probably go	Ι,	SHEA SLOAN, CSR
16	'til 1:00 or 2:00.	18	Official Court Reporter
17	What would be the parties choice as to		State of Texas No.: 3081
18	whether to argue on Monday or try to argue late tomorrow	19	Expiration Date: 12/31/14
19	afternoon?	20 21	
20	What would be Plaintiff's preference?	∠ ⊥	/s/ Judith Werlinger
21	MR. HILL: Your Honor, would you	22	JUDITH WERLINGER, CSR
22	anticipate allowing the jury to make a choice whether		Deputy Official Court Reporter
23	they stayed and deliberated tomorrow night as opposed to	23	State of Texas No.: 731
24	coming back over on what would be the deliberation	24	Expiration Date 12/31/14
25	schedule, I guess?	25	