

1 guys say that they're operating at 10% of the FCC's allotted okay level. You
2 know my understanding of some other studies are that we're way too lenient in
3 what we let occur out there so I think just from the standpoint that things don't
4 seem to be all totally clear that it probably should be put on the back burner for
5 now until more data is collected so that there's more definitive answer that hey
6 it's okay and it's not going to be a great harm to the residents up there. So
7 that's about all I have to say. If you wanted to ask me any questions you know,
8 I'd love to answer those.

9 SHEEHAN: No questions for now. Thanks.

10 POUGIALAS: Thanks for your time.

11 SHEEHAN: Okay. Mr. Li. Then John Rossberg. Laura Caruso?
12 And I guess neither one of those two said that they want to testify so then it
13 would be Bill and Shirley Seitz.

14 LI: My name is Yaoguo Li. My last name is spelled L-I.
15 I live 500 Chelan Street, Golden 80401. I am an associate professor of
16 geophysics at Colorado School of Mines. I am speaking on my own as teacher
17 and a visitor. Point I'm trying to bring to the attention of the Commissioners is
18 the increase of the RF radiation would severely interfere with the (inaudible)
19 instruments we use mostly in teaching and research. Showing this diagram as
20 the antenna radiation pattern, the yellow area is a (inaudible) pattern of a flat
21 region where the shaded areas the actual pattern taking account of the Golden
22 topography. With the focus of that effect we are seeing a much more increased
23 radiation level on top of the increased power emission. As a result much of the

1 geophysical teaching facility, research facility (inaudible) that's directly below
2 Lookout Mountain is a high intensity region. (inaudible) instruments that's used
3 very extensively both mineral exploration, petroleum and environmental
4 applications that will be a fact. First is (inaudible) used in example 1 (inaudible)
5 and explored (inaudible) that's facing this state and this nation which operates at
6 900 megahertz will be affected by signals from Channel 2, 6 and (inaudible)
7 Second type is (inaudible) magnetic (inaudible) used in for example when water
8 exploration and management and it uses a broadband sensor and will be
9 severely affected by all the transmissions from this tower. So the result of this is
10 one example of the (inaudible) On the left is the clean data you will get with this
11 type of transmission tower. The one on the right would be similar to the
12 measurement we can get by trying our best (inaudible) field below Lookout
13 Mountain. With increased radiation the situation will only get worse. What that
14 does is renders the data basically unusable. So the impact, you look at the true
15 impact on the research and teaching is that you will lose part of adequate
16 teaching capability and you lose the low noise research environment. This could
17 lead potentially to the reduced student enrollment especially in the qualified
18 registered students segment and lost research opportunity and research
19 funding. The end result is what impact on our ability to conduct teaching and
20 research to produce qualified personnel (inaudible) who are needed to deal with
21 important environmental and resources that have important study impact.
22 Thank you for your time.