

1 children were having enormous medical problems as soon as the moved up to
2 Lookout Mountain and so they tried and they successfully got out of the lease
3 because one of the children had hearing problems, and emotional problems,
4 and they believed it was from the electromagnetic radiation, their doctor
5 supported them they broke the lease. They got out and I negotiated a
6 settlement on their behalf with the landlord. And it was all related to
7 electromagnetic radiation. That is the only other lawsuit that I personally have
8 any knowledge. I would predict that there will be more. I mean, I don't mean to
9 be cavalier about that, it's just, understanding how communities respond to
10 these kind of things I would predict that there would be more.

11 SHEEHAN: Well, I mean I have a great concern as
12 Commissioner that there could be potential hot spots up there that we are
13 obligated to make sure that's the case, that there are no hot spots, people are
14 safe...so...

15 DEBOSKY: Thank you. Any further questions?

16 HOLLOWAY: Thank you.

17 D'ANTUNO: Good evening Commissioners, my name is Donald
18 D'Antuno and I have been sworn in. I live at 262 Paradise Road on Lookout
19 Mountain. And I am here to speak to you briefly about the issue of interference.
20 I am going to try to move quickly so as not to be redundant on matters that are
21 covered by others or will be covered by others. That radio and TV broadcast
22 signals cause harmful detrimental interference is undeniable. Jefferson
23 County's written policies in the Zoning Resolution and elsewhere promise

1 microwatt per centimeter square. We also wish to urge one very important point
2 upon you that we don't think can be reiterated enough and that is once you
3 rezone and allow the super tower you will lose utterly any ability to ameliorate or
4 remedy interference problems. The FCC has taken a very strong position in the
5 second circuit in a legal case that was recently ongoing that once a rezoning
6 occurs, once transmission is allowed, no matter how bad the problems are, no
7 matter what promises may have been broken concerning interference you have
8 no ability on the local level or the state level to vary the broadcasters right to
9 continue broadcasting. We think this is a overwhelmingly important point and
10 this graphic really reflects the extent to which your hands will be tied if and when
11 you allow the super tower to go forward. Again, the interference according to
12 the calculations up here performed by Mr. Hislop and we think performed with
13 integrity indicate that at a level of .5 microwatts per centimeter square
14 interference problems arise. Those interference problems are cognizable within
15 three miles of the broadcast towers, you have already heard again from the
16 School of Mines concerning their grave concerns, as well as Mr. Crowder who is
17 very typical of someone owning the high tech business who is contemplating
18 leaving right now. Certainly the extent of the increase tower transmission which
19 the super tower represents can only result in what we think will be massive
20 increases in interference problems. The FCC 200 microwatt-watt per centimeter
21 square limit has been urged upon you continually by the Lake Cedar Group and
22 that standard as urged by Lake Cedar Group is literally something they expect
23 persons to genuflect in front of. We note that problems have arisen in the local

1 area at level of .25 of maximum permissible exposure again. That fraction is
2 1/400th of the maximal permissible exposure limit which Lake Cedar Group
3 thinks should prevail for all purposes. The graphic in front of you right now
4 shows the extreme gulf between what the FCC standard at 200 microwatt-watts
5 per centimeter squared provides versus the level where we have consistently
6 seen interference problems in Lookout Mountain, in Genesee, and Lininger
7 Mountain and in Golden. The gulf as you can see is striking. There has been
8 some mention so far in the proceedings about the fact that the towers have been
9 here for a long time. Certainly back in the early 1960's and late 1950's when
10 one would have a radio with a vacuum tube, a car that would have no
11 sophisticated electronic equipment and a phone on the wall. There was no
12 practical and ongoing problem with interference because of the frankly primitive
13 nature of the equipment that was in most households. But, that has changed.
14 Now with computers, automatic garage door openers, keyless entry systems,
15 VCR's a host of sophisticated consumer appliances interference problems are
16 considerable at this point on Lookout Mountain and surrounding areas and with
17 the increasing sophistication of consumer equipment, interference problems can
18 only be expected to become more significant. We note also that there is a
19 parallel evolution of broadcasting signal yet HDTV the latest technological
20 evolution as far as broadcast transmission goes seems to be given utter primacy
21 by the FCC. We would urge that by no means should the Commissioners in
22 considering interference problems give any priority whatsoever to what the FCC
23 thinks. We think that the Commissioners should be properly concerned with the

1 day to day needs and desires of people who live in the area here. Another
2 significant phenomenon is that the HDTV is five times greater than it's stated
3 than average power and average power is used to express the electromagnetic
4 level with respect to the FCC standard. To the extent this pulse signal is five
5 times the average that certainly would suggest that interference problems
6 associated with a super tower are going to be considerably in excess of what we
7 are experiencing now. Again, the graphic reflects with respect to Channel 6 with
8 an existing effective peak power of 100,000 watts we will be looking something
9 reasonably 50 times higher for Lake Cedar Group to try to suggest that
10 interference problems won't massively increase we think is simply not
11 supportive. You have already heard tonight from Mr. Crowder that interference
12 drives businesses out, certainly to the extent and I believe Mr. Crowder used the
13 words FM dead zone. It would be hard to imagine that high tech businesses with
14 sophisticated equipment, would have any interest in coming here if any other
15 alternative location was available.

16 And the graphic in front of you, now suggest that precisely that would happen.
17 The health threats have been spoken to by others. I would simply add that with
18 respect to things like hearing aids, pacemakers, and electronic wheelchairs the
19 existing problems have already been noted you heard by way of example the
20 parents of someone in a wheelchair on Lininger Mountain talk about the
21 difficulties there. These are not problems that go anything but to the heart of the
22 health concerns of the inhabitants here and we think that, that is something that
23 must be taken into account in weighing the pros and cons of the tower proposal.

1 The binder that was submitted to you has some specific information concerning,
2 for example the Boettcher Mansion. The problems there with performances,
3 and amplification are well known. The County had an independent consultant
4 look at the Boettcher Mansion who concluded that nothing but trial and error with
5 various problems would work and really there is no satisfactory solution because
6 of existing interference with the problems over at the Nature Center and the
7 Boettcher Mansion. Again to the extent that a super tower is allowed those
8 problems can only be expected to multiply in a drastic fashion. You've heard
9 tonight from Professor Olhoeft concerning the sophisticated testing. And testing
10 surveys are done routinely at the Colorado School of Mines and I think that I am
11 not going to belabor the point already made by Professor Olhoeft concerning the
12 negative impact that would undoubtedly result from the super tower. The
13 interference survey that has been provided and again that was the considerable
14 work of Patti Roberts that went into that list. Reported problems in 107 surveys
15 plus the Boettcher Mansion. Again those problems seem to emerge with
16 present radiation as little as 0.5 microwatt-watts per centimeter squared. Again,
17 1/400th of the cited sacred FCC standard. People on Lookout Mountain have to
18 use some fairly ingenious methods of blocking themselves behind brick walls,
19 concrete bunkers, and literally holes in the ground in order to attempt to have
20 various things like VCRs, stereos, work efficiently. Again to the extent of
21 present problems it seems to us no argument at all that because inhabitants
22 now have certain difficulties operating appliances and living their domestic lives
23 that, that should serve as a reason to massively increase those problems simply

1 because they already exist to some degree. That to us is not an argument
2 either implied or explicitly, if made by the Lake Cedar Group that the County
3 Commissioners should accept. We have the, you have seen this probably
4 before and I believe Mr. Hislop is going to speak to this in a moment. This is a
5 graphic which shows the existing present radiation as reliably measured in the
6 last two or three years. And this is measured in terms of various densities
7 relative to the existing tower farm, the various colors indicate the strength of the
8 radiation as measured in various positions and we should now compare this to
9 what is we believe reliably measured and estimated in terms of resulting
10 electromagnetic radiation which would result if the super tower is approved as it
11 is presently designed. Again, Mr. Hislop is going to speak to that but I note that
12 Lake Cedar Group has not really challenged at all the legitimacy or the integrity
13 of the figures that Mr. Hislop and the people working him, on behalf of CARE
14 have come up with. These are some comparisons done by CARE regarding
15 existing radiation, this one as to existing as to what will happen with the Lake
16 Cedar Group super tower proposal at the corner of Genesee Ridge and Brook
17 Crest. This at the level of the next graphic shows a home one mile from the
18 proposed Lake Cedar Group site, Jefferson County's written policies specifically
19 indicate and I am referring now to the Telecommunications Land Use Plan, that
20 the height of tower should be above populated areas, they should be specifically
21 above the level of residences this is clearly not the case with the Lake Cedar
22 Group proposal. In some rate we feel that the Super Tower fails to comply
23 because it is not located above populated areas and it does not contain a

1 sufficient buffer to protect residences, businesses, schools from interference.
2 You have seen this map before concerning the intense interference within a mile
3 and a half which is the inner circle and I believe five miles is the outer circle.
4 This is the area of radiation which will be impacted to some considerably degree
5 by the super tower. You have already heard tonight and I won't repeat it all what
6 Mr. Hutchison, Mr. Selstad, etc. have said concerning the negative impacts on
7 property values. We note that the Telecommunications Land Use Plan
8 specifically sets forth that residents have a right to expect that the value of their
9 property won't be degraded. And it specifically notes that towers do so degrade
10 property values. We think that the promise to protect property values is
11 significant in terms of your consideration of whether this militates in favor or
12 against the public health safety and welfare. The threat from interference
13 problems to the School of Mines to businesses, to future industry and residents
14 show in summary that the super tower is not in the best interest of the health
15 and safety and welfare of the citizens of Jefferson County. The final graphic
16 really shows what the ultimate reality of this proposal would be which is
17 irradiated residential properties and compromised commercial situations which
18 will cause businesses to leave or to not come in the first place. That concludes
19 my remarks Commissioners, if you have any questions I would be glad to
20 answer them. Thank you.

21 HISLOP: My name is Alfred Hislop. H-I-S-L-O-P my address
22 is 64 Lookout Mountain Circle. I would like to show you the effect that the Lake
23 Cedar Group proposal would have on our community and the radiation levels.