**Smarthinking Tutor Response Form**

Your tutor has written overview comments about your essay in the form below. Your tutor has also embedded comments **[in bold and in brackets]** within your essay. Thank you for choosing Smarthinking to help you improve your writing!

Hello, Shelleena! I’m Corina V., and I look forward to working with you on this **Extended Essay Review**to improve your writing today. Let's get started!

**\*Writing Strength:**

You’ve got a good start here, Shelleena. You provided details about the problems with technological advancement; you explained how high-speed Internet access can lead to health problems. You also made it clear your position on this issue was in your thesis.

**\*Shelleena 8352605 has requested that you respond to the Content Development:**

There were instances where you could have provided more details, such as in the following example: Nevertheless, the launch of this power network should be banded until absorption of radio frequency can be controlled.

How can the absorption of radio frequency be controlled, if at all? You also wrote that this power network should be prohibited. Consider the fact that some people might object to that because they want high-speed Internet access. How or why do they benefit from high-speed Internet access, or how does it negatively affect them when it takes them a long time to access the Internet?

By responding to these questions, Shelleena, you can show both sides of the situation and make your analysis well-rounded.

**\*Shelleena 8352605 has requested that you respond to the Introduction/Conclusion:**  You could expand your conclusion by responding to one or more of the following questions: what if one cell phone carrier chooses not to provide a 5G work and the other carriers do provide it? That carrier could argue that they will be at a professional and financial disadvantage as a result. Therefore, should laws be passed to prevent all carriers from providing this type of network, or should customers boycott the carriers who do provide it? Explain why either way.

Also, what kind of penalty, if any, should be imposed on the companies that choose to defy the ban and provide the 5G network to its customers anyway? Who should impose that penalty? For example, should customers file lawsuits, or should the government or law enforcement officers intervene?

By responding to any of these questions, you can show how this ban would be implemented. For more information on writing conclusions, review the Smarthinking Writer’s Handbook (Chapter 3: Lesson 2); the link is <https://services.smarthinking.com/static/document_library/docs/writeman/3_02.cfm>.

**Grammar & Mechanics**: There were errors in subject-predicate agreement, Shelleena, such as in the following example: 5G network operate on a higher frequency than previous networks.

“Operate” is a plural verb, but “network” is a singular noun. Both the subject (who or what the sentence is about) and the verb should be singular or plural, so that they will agree with each other.

Here is an example of a similar error: The El transport people around different neighborhoods in Chicago.

Here is a revised version: The El transports people around different neighborhoods in Chicago.

Here is another revised version: The El and the CTA buses transport people around different neighborhoods in Chicago.

Do you see the difference? Based on the model above, how will you revise your sentence?

For more information on subject-predicate agreement, review the Smarthinking Writer’s Handbook (Chapter 5: Section 2, Lesson 6); the link is <https://services.smarthinking.com/static/document_library/docs/writeman/5_02_06.cfm>.

**Summary of Next Steps:**

It’s clear that you’ve worked hard on this essay, Shelleena, and it’s great that you’re committed to revising it. Revision helps you understand the rules of writing and how to reorganize your essay. Let’s review what you should do when you revise your essay.

* Explain why some people might object to the prohibition of this network.
* Explain whether carriers that defy the ban should be penalized.
* Proofread for errors in subject-predicate agreement.

Thank you for submitting your essay for a review. I enjoyed helping you with this step in the revision process. Have a good day! ~ Corina V.

You can find more information about writing, grammar, and usage in the [Smarthinking Writer's Handbook](http://services.smarthinking.com/static/Document_Library/docs/writeman/contents.cfm).

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Please look for comments **[in bold and in brackets]** in your essay below.
Thank you for submitting your work to Smarthinking! We hope to see you again soon.

Dangers of Fifth-Generation Network (5G)

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Dangers of Fifth-Generation Network (5G)

 Cell phone technology has evolved over the years and customers are getting more excited as wireless carriers make every effort to provide them with the fastest internet speeds on their devices. Customers watched the network grow G by G from 1G (Edge), to 2G, then to 3G, then to 4G, and then to 4G LTE. 4G LTE launch was amazing as customers were able to get to up 40 Mbps (La, 2014). When carriers promise fifth-generation network (5G), the promise data speeds up to 20 times faster than 4G LTE (up to 1 Gbps) but they do not promise high levels of Radio Frequency (RF) radiation. “The fifth-generation wireless standard (5G) is on everyone’s lips: enormous bandwidths, high speed Internet access, the networking of tens of billions of devices worldwide – these are just a few of the buzzwords in the media. Yet there is no comment about the negative effects on humans and nature” ("5G," 2019). Therefore, as amazing as 5G sounds, it should be banded because of the dangers posed from high radiation and continuous exposure to radiation from mini-cell towers. **[“Banded” means “united” or “got together”, which is why it is the wrong word for this statement.]**

 First, 5G network poses high health risk because of high RF frequency. 5G network operate on a higher frequency than previous networks. Edge, 2G, 3G, 4G, and 4G LTE operates between 1 to 5 Ghz while 5G operates between 24 to 90 Ghz. Studies illustrate that exposure to high radiation can result in health risk such as cancer, DNA damage, and Sterility in men. **[The word “operates” is a singular verb, but you are referring to more than one subject. Both the subject and the verb should be singular or plural, so that they will agree with each other.]** Dr. Moskowitz says, “the lower frequency millimeter waves used in 5G could cause major skin, eye, and nervous system problems” ("Why 5G Cell Towers Are More Dangerous," n.d.). **[How might it affect people’s skin or eyes?]** Therefore, with the network operating on such a high frequency, the more dangerous it is to living organism. High radiation frequency can result in changes within our body such as impact to our immune system which makes us susceptible to different diseases such as cancer. When the fetus is young, these RF frequencies can damage the DNA strands which can cause the baby to be deformed or even result in miscarriage. **[How is a fetus exposed to RF frequency?]** Nevertheless, the launch of this power network should be banded until absorption of radio frequency can be controlled.

 Secondly, humans face additional health risk from continuous exposure to radio frequency radiation from mini cell towers. 5G network is ultra-high frequency and ultra-high intensity. In addition, the signal is not reliable because of the intensity of the frequency and the signal do not travel far. **[“Do” is a plural verb, but signal” is a singular noun. In this case, “do” should therefore be in the singular form, so that both the noun and the verb will agree with each other.]** Because of this, wireless carriers will need a mini tower between every 2 to 8 houses which will increase the exposure RF Radiation. The article "*Why 5G Cell Towers Are* More Dangerous” also mentioned that “a low powered exposure right next to someone, is more dangerous than a more powerful exposure a long way away. Also, the longer the exposure time is, the more dangerous it is. 5G will be the worst of both worlds” (n.d). **[The titles of articles should just be in quotation marks, not italics. Also, the publication year should be listed in parentheses right after the title of the article since the author’s name is not available, like this: The article “The truth about fad diets” (n.d.). explains why fad diets are not as effective as people think they are. Notice how I only capitalized the first word in the title.]** 5G network frequency is ultra-high intensity and cannot travel far and will a lot of mini towers around our neighborhood. **[This statement that begins with “5G network frequency” restates a point you already made; consider whether it adds anything else to the essay.]** With the towers being so low a close to our bodies, we will be continuously exposed to RF radiation from the mini cell towers. Radiation is dangerous from a far distance and is even worst when it closer and at such high frequency. Therefore, continuous exposure from cell towers means that it is more dangerous for our health.

 Finally, 5G network brings great evolution to the wireless industry; however, it should not be rolled out because of deadly heath risk from high frequency and the dangers of continuous exposure to RF radiation from mini towers. Cell phone carriers aim to evolve and keep up with each other and promise customer’s the best possible experience with faster internet speeds but should never neglect the impact of the radiation that is being immitted from such technology. **[An apostrophe indicates possession, but nothing belongs to “customer” in this statement. It sounds like you are referring to more than one person, which is why “customer” should be plural, not singular.]** Cancer by itself is already a deadly disease and launching something that will increase the incidence of chronic disease is unthinkable. Faster downloads and upload do not equate to the increase incidence of illnesses and diseases.

References

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La, L. (2014, August 5). 4G LTE showdown: How fast is your carrier? Retrieved from https://www.cnet.com/news/4g-lte-showdown-how-fast-is-your-carrier/

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