

# Radiation of Network Range on Nature

Gaurav Sharma ,  
Himanshu Chauhan ,  
Mr.Manish Joshi

College of Computing Science and Information Technology ,  
Teerthanker Mahaveer University , Moradabad

[52gauravsharma@gmail.com](mailto:52gauravsharma@gmail.com)

[chimanshu390@gmail.com](mailto:chimanshu390@gmail.com)

[manish.computers@tmu.ac.in](mailto:manish.computers@tmu.ac.in)

## Abstract

An increase in the use of cellular phones has increased the disturbance about the possible interaction between electro-magnetic field (emf) radiation and human, especially biological effects on the brain and human immune system. These concerns led a large number of research studies. At any given time, most of the old review studios focus on negative effects and do not do any public work keeping in view all possible impact due to the use of cell phones. Our findings show that in the long term risk of such as brain cancer. Coming in contact with emf radiation, some positive health effects such as improvement in bone therapy and the toxic effects of chemotherapy are reduced.

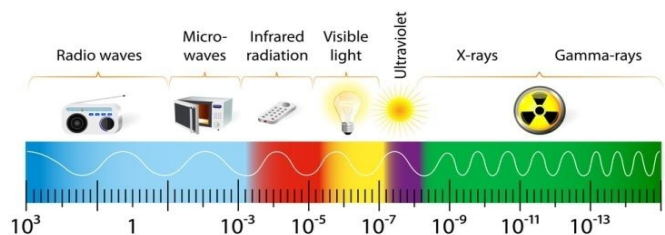
## Introduction

Due to the active tendency of electronic equipment, public risk may be due to electrical magnetic fields because of the impact on human health. This letter describes the mutation of cellular cell mutations and the risk of sexual trauma and infertility by Mobile phone radiation. Many people do not know the harmful effects of radio frequency waves (RF) and their role in cancer and other serious risks. Scientific evidence suggests that cancer is not only associated with mobile phone radiation and other factors may also be involved in its development. Most mobile operators use radiofrequency waves from 300 MHz to 3 GHz, which can be harmful to human health. And we are describing these things on this paper

## Electromagnetic Radiation

In the chart below, you see what is "electromagnetic spectrum". The "radio waves" and "microwave" part of the spectrum are known as RF radiation. Therefore microwave is only a high frequency radio wave. And remember that within the radiation portion of the electro magnetic spectrum, The frequency is as much dangerous as the living organisms of the waves. (This is not the case in the infrared and visible light parts of the spectrum.)

## THE ELECTROMAGNETIC SPECTRUM



## Cell Phone Effects

There are many effects due to long-term contact with cell phones due to radiation. These effects prompted the use of dividing the result into two main categories. These categories are

## Positive Effects Category

In this special study, there has been an increase in significant mobility when spermatozoon were exposed with During the first 3 hours of induced effect by ELF-EMF (50 Hz; 5 mt), remained for 21 hours after spermooose mobility and this effect depend on the life of the area. An approved magnetic stimulus system was used for human to generate pulsed EMF.

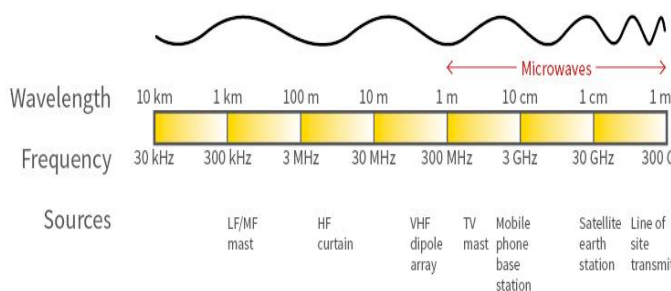
### Negative Effects Category

Several studies of cell phone effects has shown that exposure to EMF radiation generate from cell phones reveals negative effects of the risk of develop brain tumor. DNA damage caused due to exposure to EMF radiation Rare Variation is measured that after 6 minutes of continuous cell phone operation, the maximum temperature increases towards the face.

### RadiofrequencyRadiation

Radio Frequency (RF) is the transfer of energy through electromagnetic radiation (EMR) radio waves. The radio freuency EMR is in the FR of 3 kHz (kHz) for 300 KHz (GHz). RF EMR is non-ionized Radiation, which means there is insufficient energy to break the chemical bond or to remove electrons .

The radiofrequency radiation spectrum



### How to Reduce Radiation?

10 Steps to Safe Technology at Home  
 1 distance is your friend

2 Airplane mode on and Wi-Fi off and Bluetooth off

3 Prioritize non-wireless connections

4 Turn it off when not in use.

5 power from wireless device while driving

6 Make safe use of phones

7 Protect your sleep.

8 Signal power reduction

9 short time and the length of wireless device usage  
 Read

10 fine print

Biological effects are dangerous diseases for life.

### WiFi Radiation to many serious diseases including

- Cancer
- Brain Tumors
- Alzheimer’s Disease
- Breast Cancer
- Depression
- Various Childhood Cancers
- Depression
- Electrical Sensitivity
- Heart Disease
- Infertility
- Miscarriage, and Suicide

This does not Mention the comprehensive real Evidence

## Benefits To Protecting Yourself From WiFi?

- To Improve Sleep
- Having more then Energy
- Head Feels Better
- The Room Feels cold
- Feeling Less prick in the skin
- Now there is no taste of metal in the mouth
- Feeling more relaxed

## Wi-Fi Radiation Protection Tips

Here are some simple tips for getting in touch with Wi-Fi Router Radiation

1. The Right Ethernet Cable
2. Disable Wireless Function All over Your Devices
3. Swap Wireless For Wired
4. Buy A JRS Eco-WiFi Router
5. Neighbors WiFi

## Safety Standards and Licensing

Government and regulatory bodies adopt safety standards to protect the users and users of mobile phones around the base station, which translate the border at the exposure level below a certain value.

## Discussion

Based on literature analysis and review, most positive impact study results were based on a small number of case control, such as by the study,

was done on the centering human patients, where other studies were used as a case control. Some benefits of other studies, such as manufacturer microwave therapy, are used to reduce toxicity.

## Conclusion

In this paper we reviewed and summarized some of the important research done to study the biological effects of cell phone radiation. Work was inspired by the fact that the public is concerned about the danger of using cell phones. Based on the impact stated by researchers, we classify existing tasks in three categories. These effects have positive effects, negative effects and no effect.

## Acknowledgments

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## References

- [1] IIT08-Review20Paper20\_Ashraf\_final.pdf
- [2] <https://www.researchgate.net/publication/24384506>
- [3] <http://dx.doi.org/10.19082/2542>
- [4] <https://ieeexplore.ieee.org/document/8604088>
- [5] <https://ehtrust.org/take-action/educate-yourself/ten-steps-to-safe-tech/>
- [6] <http://emfsafetynetwork.org/tag/nature-2/>
- [7] <https://www.iaea.org/topics/radiation-sources>