

Asta Anthony

# Ears Blocked

Bluetooth devices are causing mutations but  
corporations block their ears



# Ears Blocked



Recently with the introduction of the Apple Air Pods the concerns about Bluetooth radiation have resurfaced as all new releases do not have both a charging port and headphone jack, this leaving the consumer no choice but to buy the Bluetooth earphones for most people are accustomed to the privilege of being allowed to do both at once. Bluetooth radiation however has been researched less than even cell phone radiation, this lack of official studies is the only reason that companies and 'experts' deem it safe. Interestingly both sides of this argument are guilty of bias.

Bluetooth similar to cellular but on a small scale, it uses radio waves instead of wires /cables to transmit information between electronic devices over short-distances. Bluetooth products are 1000 times weaker and only work inside a 10 meter radius.

Electromagnetic radiation (EMF) are invisible areas of radiation that are created by electricity, Bluetooth earphones emit a specific type of nonionizing low-level EMF called radio frequency radiation (RFR).

That being said a whole area of products create such radiation at different levels, while it is stipulatory that x-rays are dangerous they are far more powerful than Bluetooth. It is argued that the microwave is capable of so much damage and yet its frequency is comparable to Bluetooth and on top of that Airpods are inserted into the ear which places them in close proximity to the brain.

In 2011 the International Agency for Research on Cancer classified this type of radiation as possibly carcinogenic to humans as it causes an increased risk of glioma, a type of brain cancer. Additionally in 2018, research from the National Toxicology Program (NTP) found that exposure to the RFR that is used in 2G and 3G cellular phones — could cause cancer in rats, and the lower their sperm count at the end of the study, this statistic is also noticed in humans with high phone usage.

One unforeseen consequence of the abundance of cell towers is the negative effect they have on insects. In the past two decades in the US alone the population of monarch butterflies has dropped roughly 90% and bumblebees have gone down 87% insects are vital to the ecosystem.

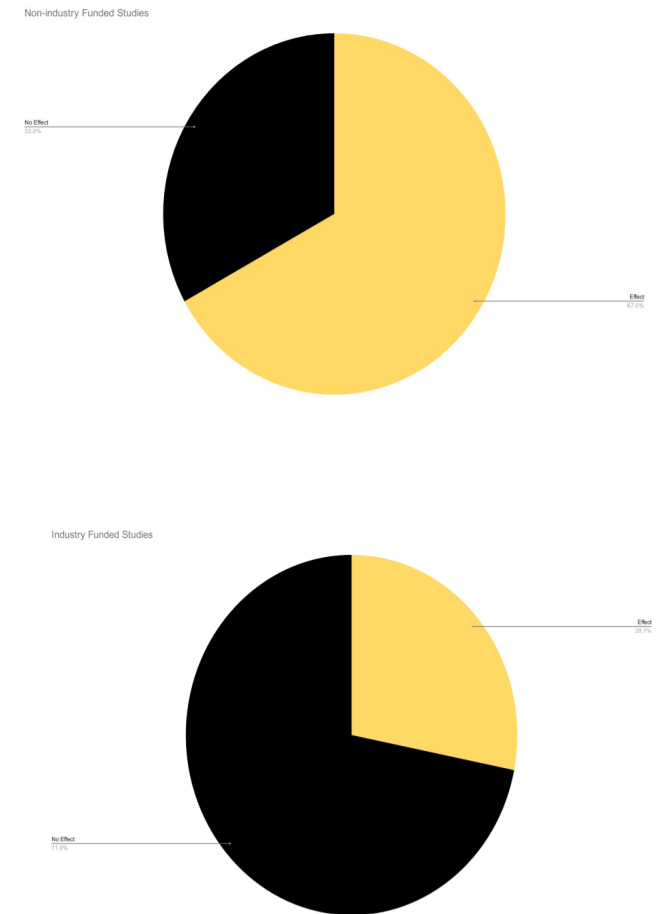
and if not corrected this will cause a domino effect of ecological disarray.

The lack of data is somewhat concerning, even suspicious in fact as soon as their research began showing negative results for the wireless industry, Nokia withheld health effects research funding was taken away in fact Former Nokia Boss Warns Public of Danger “When we found that cell phone effects human body the funding stopped because cell phone manufacturers Nokia and TeliaSonera said they didn’t like it. The scientific advisory board has industry partners as members. If industry partners think research will show a negative effect, it is often not funded by Tekes,” he told PTI. The graph below shows the contrast between cell-phone-industry-studies-vs-non-funded-research.

This whole conundrum is comparable to the advertising of cigarettes as healthy in the 1920s where the money trumps any concern for public safety. On the other side of this however lies a lot of fear mongering and false protective measures

where websites are selling pills and gemstones that supposedly protect you from this radiation.

To sum up at the moment there are no long-term studies about the risks of Bluetooth as it is fairly new technology, and there are not many studies being conducted for fear of negative results disputing conveniences RMF brings. All we can really do is take precautions to avoid the potential health risks. The main one being to keep children away from them as their skulls are thinner and exposure would be more damaging, for adults however the safest thing is to use speaker-phone or wired earphones and keep the phone away from the head.



#### References:

RF Safe Corporation (2018). Nokia Says Microsoft Must Handle Cell Phone Radiation Health Concerns. Retrieved 22/10/19 from <https://www.rfsafe.com/nokia-says-microsoft-must-handle-cell-phone-radiation-concerns/>  
 Is Bluetooth Radiation as Dangerous as Cell Phone Radiation? Retrieved 22/10/19 from <https://www.rfsafe.com/bluetooth-radiation-dangerous-cell-phone-radiation/>  
 David (2019). Is Bluetooth Radiation Dangerous?. Radiation Health Risks Retrieved 22/10/19 from <https://www.radiationhealthrisks.com/bluetooth-technology-radiation/>  
 Catherine Roberts (2018) Do I Need to Worry About Radiation From WiFi and Bluetooth Devices? Retrieved 22/10/19 from

<https://www.consumerreports.org/radiation/do-i-need-to-worry-about-radiation-from-wifi-and-bluetooth-devices/>  
 Julia Ries March 24, (2019). Are Bluetooth Headphones Dangerous? Here's What Experts Think. Healthline. Retrieved 22/10/19 from <https://www.healthline.com/health-news/are-wireless-headphones-dangerous#What-exactly-is-electromagnetic-radiation?>  
 Cell Phone Radio Frequency Radiation Studies (2018) The National Toxicology Program . Retrieved 22/10/19 from [https://www.niehs.nih.gov/health/materials/cell\\_phone\\_radiofrequency\\_radiation\\_studies\\_508.pdf](https://www.niehs.nih.gov/health/materials/cell_phone_radiofrequency_radiation_studies_508.pdf)