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To: FCC Commission

Re: FCC NOI #13-84

My husband suffered a seizure and diagnosis of a glioma in 2008. 10 days later Senator Kennedy had a seizure and the same diagnosis. Our son had interned for Senator Kennedy and soon heard concerns from those in his office that the Senator's family felt his tumor was attributable to his long term cell phone use. Since that time many scientific experts, including neurosurgeons, have also stated that Kennedy's death was more likely than not due to his cell phone use.

Shortly after my husband's devastating craniotomy our son brought this correlation to my attention. My husband was an early adopter of a cell phone (1986). He held the phone to his right ear for over 20 years. He used it often as it was a valuable tool for his real estate development and sales business. Had he been advised that holding the cell phone to his head may cause brain cancer he never would have held it to his head jeopardizing his life. Had our government required pre-market safety testing and standards that are not manipulated by industry this could have been avoided. You have the opportunity and obligation to do the correct thing now for every man, woman and child in America.

Upon hearing this correlation I immediately began researching cell phones and brain tumors. There were excellent studies by credible scientists worldwide showing an increased risk of glioma after 10 years of use on the side of the head to which one held the phone. I sent my husband's medical records and cell phone records to many leading experts around the world who concluded that his brain tumor was more likely than not a result of his cell phone use to his head. He had no other contributing factors.

Since speaking out on this publicly before Congress and on many national television programs I have been contacted by many others who also held cell phones to their heads for many years and have a brain tumor, acoustic neuroma, or salivary gland tumor. Many are much younger than my husband (56 upon diagnosis) and sadly many are now deceased leaving behind small children and/or grieving parents. They are as young as 18. Had they been advised that holding the cell phone to their head might cause a brain tumor they too would not have jeopardized their lives. I repeat, had our government required pre-market safety testing and standards that are not manipulated by industry, this could have been avoided.

As you are aware, in 2011 the World Health Organization/ International Agency for Research on Cancer (IARC) classified radiofrequency electromagnetic fields as possible carcinogenic to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer, associated with wireless phone use. Yes, this has been disputed by some industry funded groups but the recently printed IARC Monograph confirms this classification. Non-industry experts assert that radiofrequency electromagnetic fields should have been classified a probable carcinogen.

This industry thrives on the facts that this possible carcinogen is invisible, loved by so many, and the latency period between exposure and tumor is lengthy. This is a powerful trillion dollar industry manipulating our government. This industry has an enormous impact on the global economy. This industry was not able to obtain liability insurance as they were rejected by the insurers. There are many lawsuits already underway in the United States concerning cell phones and brain tumors. The brain tumor rates in the frontal and temporal areas of the brain are increasing (areas closest to the cell phone when held at the ear). This cat cannot be kept in the bag much longer and what will the public think of the FCC when this greatly manipulated issue finally surfaces? It is time you stop this corporate bullying and give Americans back their right to life, liberty and the pursuit of happiness.

The industry is hiding safe use information (per the FCC) in tiny print in manuals no one sees, or worse, only on the phone which no one would ever consider looking at even if they knew how to do so. The iPhone does not come with a manual any longer and to read about rf exposure one must hit 1) settings, 2) general, 3) about, 4) legal, and finally 5) rf exposure to read that the phones are tested with a 10mm separation from the body. It goes on to say that one should "carry iPhone at least 10 mm away from your body to ensure exposure levels remain at or below the as-tested levels". It also states that "although this device has been tested to determine SAR in each band of operation, not all bands are available in all areas. Bands are dependent on your service provider's wireless and roaming networks." Who is going to know to go through those 5 steps to see this information which is conveniently hidden? ***Isn't it the job of the FCC to ensure standards take into account ALL bands when setting the exposure limits?*** The average consumer does not know about bands and they also feel they have no reason to concern themselves as they are misled into thinking that our government had deemed cell phones, as currently used, safe. That is incorrect.

The FCC states in OET Bulletin 65 that the standards must be based on ordinary operating use. Normal operating use is smashed to the ear and kept in the pocket or the bra. Currently your standards do not protect consumers from normal use. Currently industry hides the information that emissions may be exceeded when users use them directly to the head or while kept on while on the body. Considering children as young as 5 have cell phones (and the radiation is absorbed further into their brains and bodies) and 87% of teens sleep with them on under their pillows all night long and keep them in their pockets all day long, this is certainly of utmost importance. The FCC has been given the job to set the standards despite the fact you do not have the scientific expertise to do so (per Mr. Knapp). You are obligated to protect the health of the American people.

I have met many of the other victims of cell phone induced cancers personally. Brain tumors destroy the very soul of a human being and take the entire family down with it. I have stood and watched many buried in front of their small children. The victims begged me on their deathbeds to continue to spread the word and to get our government to take action. This has been a devastating journey for far too many and we are only the tip of the iceberg. It tortures me, as it should you, to think of the damage being done now as brain tumors have a long latency period. The FCC has the power to change this and save lives.

I have learned more than I ever wanted to learn on the subject of cell phone radiation. I testified next to Mr. Knapp of your Office of Engineering and Technology and he made it clear that the FCC had not changed its standards in what was then 12 years because no one had told them to do it. Well, now the Government Accountability Office has told you it is needed. The door to doing the right thing has been opened for you. It is time to cross the threshold of righteousness and stop this corruption. You have a responsibility to the citizens of the United States; not to the industry and their corporate greed. Our economy will not collapse because you set the standards appropriately. More lives will be lost and America's moral fiber will be destroyed if you do otherwise.

I met with the GAO while they were researching this issue. I helped explain the inadequacy of the current testing and standards. I also explained, as did many others, that the current standards only protect us from the thermal effects of cell phone radiation while hundreds or possibly thousands of studies have shown deleterious health effects from this non-thermal radiation. It is highly unfortunate that the Government Accountability Office omitted the critical information concerning non-thermal effects of cell phone radiation from their report as this is paramount to this issue. You can no longer ignore the fact that this radiation is penetrating the blood brain barrier and damaging DNA. With the current "dose and duration" of the average American this MUST be taken into consideration.

This fate can happen to anyone. Please see my attached list of notable persons who have been diagnosed with a primary brain tumor (including acoustic neuroma and salivary gland tumors) since 1995. Excellent science is telling us that there is a significantly increased risk of glioma after 10 years of use, thus the 1995 criteria. I am not saying that their tumors (and deaths of many) are absolutely attributable to their cell phone use. I am saying that it is plausible. For every notable person there are hundreds, if not thousands, of average Americans suffering the same fate. If there is any risk at all, and we all know that there is, your standards MUST be changed now to protect public health.

The standards left as is or made less stringent would continue to be a crime against humanity.

Thank you.

Ellen K. Marks