

GIBRALTAR'S GAMBLE WITH 5G

The full report is available online at gibraltarmessenger.net

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SECTION 2 – IEEE versus The CHALLENGERS

The Institute of Electrical and Electronics Engineers (IEEE) is another international body that developed EMF exposure guidelines, known as Specific Absorption Rates (SAR). Electronic devices have ratings listed in their product information. IEEE is made up of a wide variety of engineers who often do research, focused on the technology and that the devices meet standards.

Section 2 Topics Include but are not limited to these subjects –

IEEE develops products

IEEE networks with other groups, like the International Trade Union (ITU)

IEEE Under Fire:

- 1 International Association of Fire Fighters oppose stations as base stations, citing in particular standards set by IEEE
- 2 Fire fighters experienced adverse effects from cell towers
- 3 Politicians are used to push legislation for industry
- 4 Fire hazards of drying trees and vegetation in relation to EMF exposure
- 5 Standards do not take in environment or wildlife
- 6 Industry so-called independent research has strings
- 7 SAR exposure limits and how it relates to children
- 8 Ericsson and IEEE
- 9 Industry-infiltration and push for world conformity
- 10 Who to believe

The Institute of Electrical and Electronics Engineers (IEEE)

The **I-Triple-E** (IEEE), as it is commonly called, is another international body that developed EMF exposure guidelines, known as Specific Absorption Rates (**SAR**). Devices that emit EMF radiation will have SAR information in their product literature. It is also usually accessible within cell phones themselves.

Like ICNIRP, its standards are based on thermal effects. And like ICNIRP, its standards are often referred to by NGOs, industries and government authorities. Keep in mind; it's industry-based, made up of electronic engineers and electrical engineers, and associated disciplines.

In 2016, During a technical meeting of the IEEE Communications Society, Professor Dr. H. Anthony Chan of Huawei Technologies, expert and IEEE fellow, presented his lecture, entitled *5G and Future Wireless Internet: Challenges and Emerging Technologies*. ([Reinventing Wires](#))

1G	2G	3G	4G	5G
1981	1992	2001	2010	2020(?)
2 Kbps	64 Kbps	2 Mbps	100 Mbps	10 Gbps
				

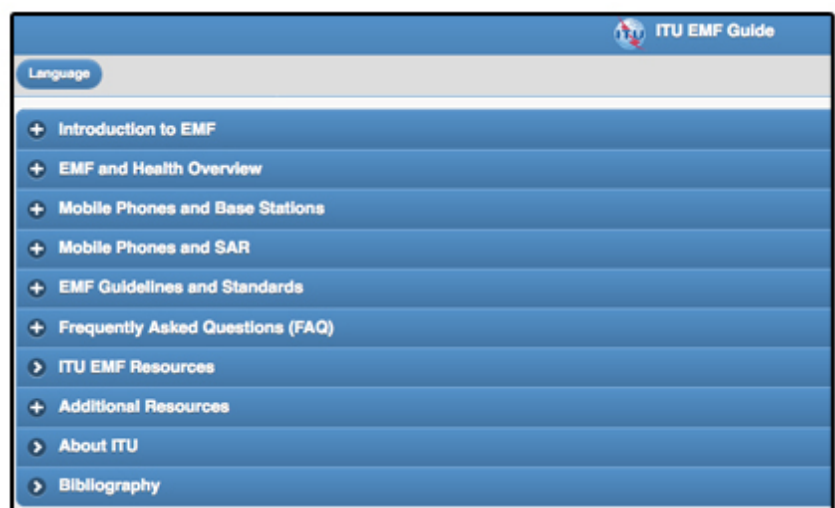
Chan noted that a new generation of wireless has been introduced each decade. When asked about the basic motivation driving 5G, in brief, Chan said:

***If technology does not change, the company will die.
It is about more jobs, engineering and manufacturing.
People must buy a new phone.***

5G devices will be marketed – like the new IEEE P802.11ax. In December 2019, IEEE and the IEEE Standards Association (IEEE SA) **announced** it meets or exceeds **requirements specified by the International Telecommunications Union (ITU)** for the 5G Indoor Hotspot and Dense Urban test environments of the enhanced Mobile Broadband usage scenario. And IEEE P802.11ax establishes a foundation for an advanced Wi-Fi technology capable of supporting 5G-network performance.

The **ITU** is an agency within the UN responsible for the management of the radio spectrum worldwide; and as such the Gibraltar Regulatory Authority (**GRA**) is **associated**.

It might be worth an inquiry with the GRA to find out how much or to what degree they depend on and work with outside agencies.



ITU has developed a special app and [webpage](#) to echo WHO's stance on EMF concerns. All NGOs are on the same page – One Set of Standards.

IEEE UNDER FIRE:

The IEEE guidelines are also criticized for using outdated measurements, and ignoring the possible long-term harmful effects. They are founded on the same scientific literature base; and deem that the primary hazard is an excessive and harmful rise in body temperature as a consequence of exposure to high-level RF/MW emissions.



But not everyone is buying it, like the [International Association of Fire Fighters](#) that opposes fire stations being base stations – until it can be **proven these sitings are not hazardous** to its members.

The statement is –

The telecommunications industry claims cellular antennas are safe because the RF/MW radiation they produce is too

weak to cause heating, i.e., a thermal effect. They point to safety standards from groups such as ANSI/IEEE or ICNIRP to support their claims. But these groups have explicitly stated that their claims of safe RF/MW radiation exposure is harmless rest on the fact that it is too weak to produce a rise in body temperature, a thermal effect.

Firefighters began experiencing adverse effects from **earlier generations** of WIFI technology, as pointed out in the letter featured on the [post](#) from [Scientists for Wired Technology](#) – *Firefighters Living Next to Cell Towers Suffer Neurological Damage*.

In 2004, I organized a SPECT brain scan pilot study of firefighters who had been exposed to a cell tower on their station for over five years. We found brain abnormalities in all firefighters tested – Dr. Gunnar Heuser.

In 2001, he was asked by the IAFF to assist in writing appeals, because once cell towers were activated on or adjacent to their fire stations, they could no longer function without severe headache, inability to sleep, and foggy thinking.

Dr. Heuser is featured in a California news report (4:53 min):

[Do 5G Cellphone Towers Signal Health Dangers?](#)



According to federal law, this news report said the city couldn't consider health concerns, as outlined in the Telecommunications Act. If cities do consider health, the cell companies can sue.

5G can be a tremendous boom to California, but only if it can be put up quickly and easily, said politician and former NASA scientist Bill Quirk, who co-authored a bill to make it even harder for residents to object to a tower.

With a sheepish smile, he admitted authors of the bill had to exempt firefighters because they were strong lobbyists.

When asked about placing a pause on installations until more studies could be done to prove it's safe, he said studies can always be done, and then indirectly compared his opposition to *flat-earthers*. Politicians often use intimidation tactics – whether they call scientists *alarmists* or concerned citizens *luddites*.

Psalm 11:2 For, lo, the wicked bend [their] bow, they make ready their arrow upon the string, that they may privily shoot at the upright in heart.

Standards and Their Fire Hazards For Gibraltar:

In addition to health concerns, the **Gibraltar Fire Brigade** may be on higher alert in the summer-drought months.

Studies showing trees exposed to EMF radiation are drying out and dying.

For more detail, please read:

[Tree damages in the vicinity of mobile phone base stations](#)

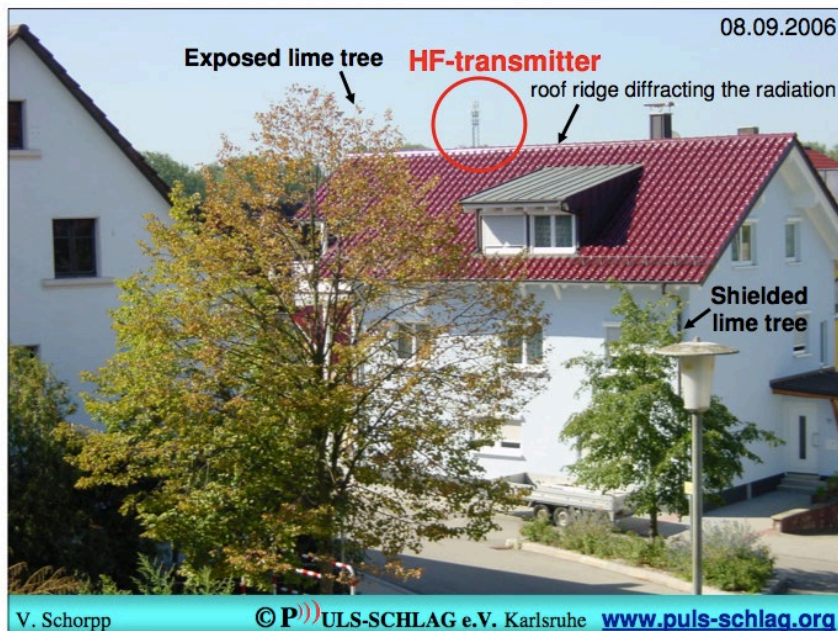
[Tree damage caused by mobile phone base stations](#)

[Tree Damage from Chronic High Frequency Exposure](#)

[Six-year study proves wireless kills trees?](#)

All document observable damage.

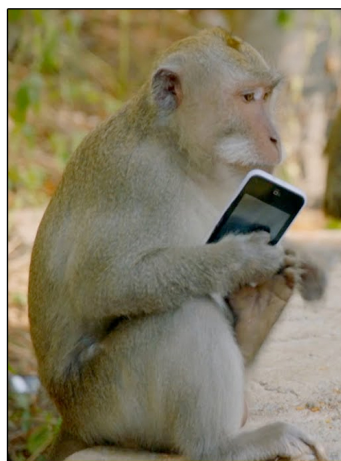
Cell phone towers have also been known to **catch fire**, which is something the public may want to be aware of, just like they would with any other fire hazard near their homes. Would 5G towers be more susceptible?



Side Note: [EMF AWARE – Know Your Exposure](#) provides another chart of the International Radio Frequency (RF) Exposure Limits for 1800 MHz Range (Cell phone, WIFI, [Smart meters](#), etc.)

The Current Standards DO NOT take in environmental issues – they deal ONLY with humans.

Has **Gibraltar Ministry of Environment** done its **OWN RISK ASSESSMENT**, because they are responsible for **potential** and catastrophic risks to the environment? Gibraltar also has [legislation](#) to protect trees – **Tree Preservation Order (TPO)**. Should they also prevent them from being damaged by radiation?



SARs and INCIRP guidelines have nothing to do with protecting wildlife.

What about all the creatures and wildlife under its responsibility?

The IEEE compiles reports that protect industry:

According to Russian biophysicist Vladimir N. Binhi, from the Russian Academy of Sciences, IEEE's **dismissal** of non-thermal effects was based on **flawed reasoning**.

He analyzed the IEEE database used as the rationale for the IEEE standard; and found a discrepancy in the number of papers referenced, where studies showing non-thermal effects were ignored. Despite these criticisms, the **thermal paradigm** still reigns paramount with most government radiation protection agencies.

The necessary research effort has long been predominantly under the control and funding of the telecommunications industry with little, if any, interest in conducting truly independent research that could challenge the thermal-only validity of the standards. (The Procrustean Approach, [available](#) at EMFacts.com)

2 Esdras 8:50 For MANY great MISERIES shall be done to them that in the Latter-Time shall dwell in the world, BECAUSE they have walked in great pride (and in the WRONG direction, including destroying their own environmental life-support system for money).

Ericsson [reports](#) it has co-sponsored over 100 **independent studies** on electromagnetic fields and health since 1996, primarily through the Mobile & Wireless Forum (**MWF**), an international nonprofit association made up of primarily mobile and wireless companies.

Featured on Ericsson’s website is the 2018 publication [MWF – 20 years of research](#), which basically echoes **WHO reports** –

As concluded by WHO and other health organizations, there is no conclusive evidence that devices operating within the limits established by ICNIRP in the range from 0 to 300 GHz poses a hazard to humans and no public health risks have emerged from several decades of EMF research.

That conclusion remains a matter of debate between the two opposing groups; but so is the interpretation of what constitutes independent research.

Industry’s “So-Called” Independent Research:

Dr. Jerry L. Phillips, Director of Science Learning Center, University of Colorado, knows first-hand about industry-funded research.

He describes his experience conducting research supported by Motorola in this video (2:34 min):

[Whistleblower Dr. Jerry Phillips On Motorola Cell Phone Radiation Research](#)

Once the research started generating data of DNA damage, Motorola representative became upset, wondered how to put a spin on the findings and asserted control over the project. They were not willing to accept his study and urged him not to publish it. How’s that for independent research?

Motorola went on the offensive to discredit his report. Dr. Phillips is just one example of industry battle tactics.

Dr. Henry Lai at the University of Washington is another. In a leaked Motorola memo, executives claimed to have succeeded in their war-gaming efforts against the Lai-Singh. ([Motorola War-Games Scientists Indicating Health Risk from Cell Phone Radiation](#))



Numerous attempts to discredit peer-reviewed research indicating consumer health risk have failed, but often they **succeed in confusing** the public’s perception of wireless health risk in general.

The Standard Absorption Rating (SAR):

Electronic devices like laptops, tablets, WiFi routers and cell phones, come with product information; and included in the fine print are their SAR values – developed by the IEEE. You can also find SAR values the cellphones themselves. Many device SAR ratings are available on [EHTrust.org](#).

This rate is measured as the power absorbed within a defined area of body tissue in a standard measurement of watts per kilogram (W/kg). The value is highly dependent upon the body parts being tested, energy levels and the proximity to the radiating source. It is established by selecting areas of the body to be tested, finding the highest absorption rate while exposing that area closest to the radiating source.

Industries claim their products are safe, based on how they met the parameters of the safety guidelines established by NGOs like ICNIRP and IEEE, but it’s these guidelines that are unsafe for adequate protection from harm.

The current SAR exposure limits for RF mobile device exposure in the U.S. and Europe are:

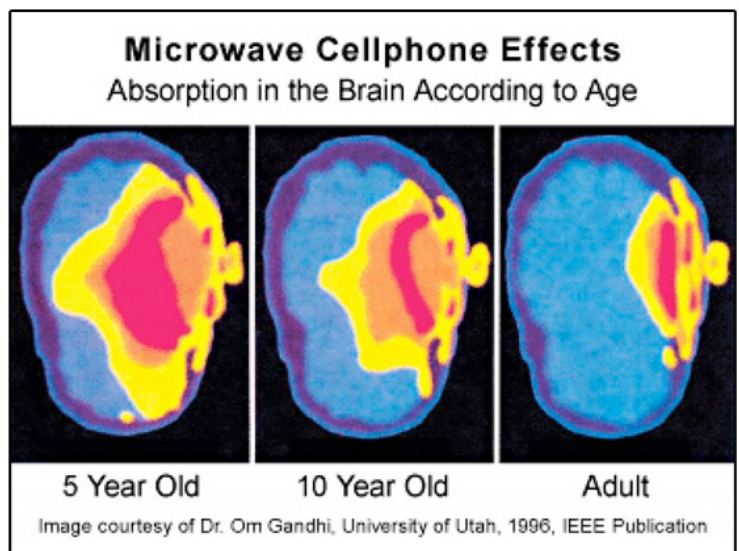
Region/Country	Guideline	Limit in W/kg	Limit in W/kg
United States	FCC (1996)	1.6 W/kg in 1 g of tissue	0.1-6,000
Europe	ICNIRP (1998)	2.0 W/kg in 10 g of tissue	10-10,000

SAR ratings deal with the device’s distance from the body; and if these distances are not maintained, people can be exposed to radiation levels that **exceed** the current standard, potentially exposing them to exposures that could have thermal effects. Remember that pro-industry scientists reclassified skin and ears as “extremities” that are “allowed” to be heated to a certain extent.

SAR ratings also take time limit into consideration, thus if you make a long calls, you could exceed their recommendation.

Their recommendations are rarely used in the real world, because most people are **TECHNOHOLICS** when it comes to their devices; and they don’t fair well in limiting their own consumption of radiation. They know it. We know it. But the product disclosures do allow industry to place the responsibility or blame on the consumer – for now. In the long-run, their **duty of care** responsibilities will probably come into question.

It would also be prudent for **parents** to understand these SAR ratings. They are based on tests done on **dummies** of adult-size heads, not pint-size.

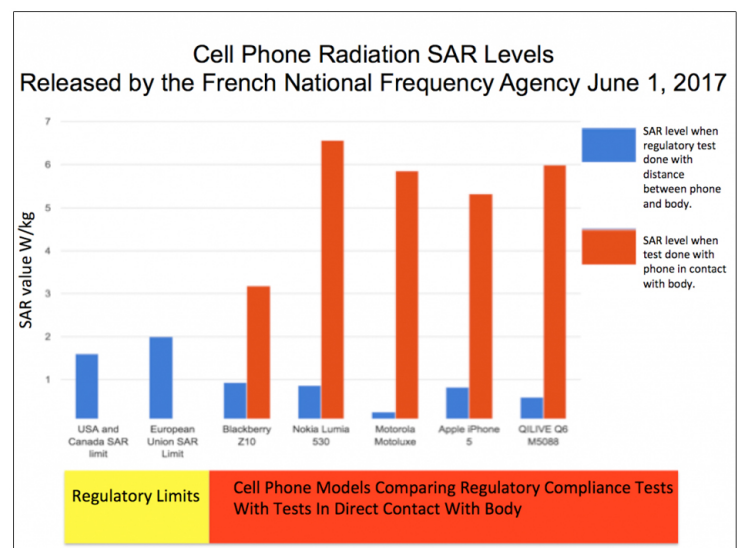


SARs and Children:

Children are not little adults – their bodies are not fully developed, and are far more susceptible to biological damage. A parent wouldn’t give a whole bottle of cold medicine to a child and say, drink what you want; and neither should they put devices in children’s hands without supervision.

See this warning from [The Fine Print Manufacturer Radio Frequency Radiation Warnings:](#)

Restricting Children’s Access to Your Mobile Device: **Your mobile device is not a toy.** Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill. Keep the mobile device and all its parts and accessories out of the reach of small children. – Samsung Galaxy



To reduce exposure to RF energy, use a hands-free option, such as the built -in speakerphone, the supplied headphones, or other similar accessories. Carry iPhone at least 10mm away from your body to ensure exposure levels remain at or below the tested levels. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified. – Apple iPhone



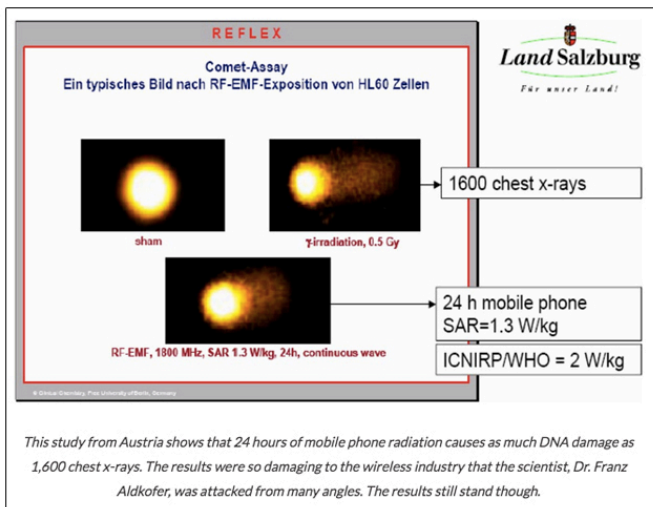
Keep safe distance from pregnant women’s stomach or from lower stomach of teenagers. Body worn operation: Important safety information regarding radiofrequency radiation (RF) exposure. To ensure compliance with RF exposure guidelines the Notebook PC must be used with a minimum of 20.8 cm antenna separation from the body.” – Samsung 3G Laptop, for 3G connections.

Read: [Pregnancy tips: Cell phones can be a health risk during pregnancy - Pregnant ladies are encouraged to not be exposed to radiation during this important phase.](#)

They maintain guidelines protect children, but as more and more research comes to light, NGO’s are opening the window to acknowledge effects on children:

While an increased risk of brain tumors is not established, the increasing use of mobile phones and the lack of data for **mobile phone use over time periods longer than 15 years warrant further research** of mobile phone use and brain cancer risk. In particular, with the recent popularity of mobile phone use among younger people, and therefore a potentially longer lifetime of exposure, WHO has promoted further research on this group. (WHO: [Electromagnetic fields and public health: mobile phones](#))

A study found harmful effects on a SAR value less than standard:



EU Reflex study shows DNA damage caused by radiation from wireless devices and mobile phones

The results show that even at a SAR value of 1,3W / kg (representative of many mobile phones) significant biological damage is done in human cells and especially to the DNA.

The EU Reflex study shows that prolonged radiation from a cell phone and magnetic fields can cause genetic damage similar to that caused by radioactive radiation. **The Comet Assay test** is a highly sensitive assay that can show DNA damage.

The likelihood that NGOs will continue their efforts to discredit studies, at least in near future, remains high. Almost all of them have issued their new opinions, stating the old standards still apply – this works well for the timing of the 5G Rollout.

For more adverse effects below SAR guidelines, see the [BioInitiative Report Colored Charts](#), starting at Page 6.

SARs and Teenagers:

In dealing with teenagers, parents face difficult challenges with teenagers who have grown up with technology, and their psychological attachment to it. Many of us have heard the *bloody murder* screams of our neighbor’s teens who have gotten their phones taken away.

The film [Generation Zapped](#) is also worth watching.

This 1.25-hour award-winning documentary investigates the potential dangers of prolonged exposure to Radio Frequencies (RF) from wireless technology; its effects on our health and well-being, as well as the health and development of children.



The [Generation Zapped trailer](#) is available on Vimeo.

A sobering article about Generation X-ray, which would be good for parents, counselors, and psychologists is [Generation X'd Out: An end to the human race as we've known it?](#)

Youngsters are left utterly **ignorant concerning the devastating** wireless radiation hazards to themselves and their posterity.

Given the science, such ignorance and apathy ensures that millions of **new and innocent lives are destined for cruel suffering and impairment**. Thanks to a silent but violent electromagnetic enemy that is destroying their fragile DNA, newborns tumbling into our barbaric wireless age are creatures of a zillion possibilities of chromosomal disarray, including nervous system damage, deformed limbs, endocrine disruption and unhinged metabolic function.

The Cellular Telecommunications Industry Association (CTIA) boasts on its website that teenagers, defined as a **'huge consumer market segment,'** are currently pumping \$100 billion a year into the industry's coffers.

It seems most members of every household are targets, but when it comes to safety, industries may talk the talk, but don't walk the walk.

For example, [take](#) the **RIGHT TO KNOW** ordinance established in Berkeley, California, requiring cellphone retailers to put up signage informing customers that carrying their cellphone in their pocket or bra when the phone is on may result in RF exposure that exceeds federal safety guidelines. In response, **the wireless industry (CTIA) sued Berkeley, claiming the ordinance violates free speech rights by forcing retailers to share this information.**



Ericsson and IEEE:

Gibtelecom's partner, Ericsson is associated with IEEE. Research articles are often written by Ericsson engineers, who are also IEEE members.

Ericsson's website also directs visitors to [IEEE Xplore](#), a digital library of research studies, containing material published mainly by the IEEE and its partner publishers. And with over 4-million documents, researchers on both sides use IEEE Xplore worldwide.

IEEE Xplore does include plenty of studies that do report harmful effects, such as [Some Effects of Weak Magnetic Fields on Biological Systems: RF fields can change radical concentrations and cancer cell growth rates](#) (2016).



A claim that ALL studies show (5G) is safe isn't actually The Truth.

It's more like a smorgasbord, where one can pick and choose what to put on the plate. And what's the plate doesn't exactly represent the banquet table, but what seems most appealing.

What research studies did the Government of Gibraltar use to base its **opinion** on, when it claimed 5G is safe? Depending on ICNIRP and Industry and willfully ignoring other scientific research is not doing due diligence.

Were they **ALL** compiled by Ericsson, and dished on Picardo's plate? How much does the GOG depend on Ericsson when it comes to answering questions about health concerns?

Sura 2:204 There is the type of man whose speech about this world's life may dazzle thee, and he calls God to witness about what is in his heart; yet is he the most contentious of enemies.

Sura 2:205 When he turns his back, his aim everywhere is to spread mischief through the Earth and destroy crops and cattle. But God loveth not mischief.

A Call for Change in IEEE Guidelines:

In a [letter](#) to the IEEE, a radiofrequency interagency working group, wrote back in 1999 – long before 5G – that revisions to the IEEE guidelines should be considered –

Studies have resulted in concern that exposure guidelines based on thermal effects, and using information and concepts that mask any differences between intensity-modulated RF radiation exposure and [continuous wave] CW exposure, do not directly address public exposures, and therefore may not adequately protect the public.

Industry Infiltration:

Louis Slesin, publisher of *Microwave News* states:

Essentially, the users of RF and microwave technology- the military, its contractors and the communications industry- **wrote the IEEE RF standard**. For example, of the two co-chairs of the committee that developed the most recent safety standard, one works for Motorola and the other for the U.S. Navy and the Air Force. What are the odds that the safety standard serves their interest. (The Procrustean Approach, [available](#) at EMFacts.com)

Worldwide International Standardization:

Like the ICNIRP, the IEEE works towards a worldwide international standard.

The IEEE Standards Association (IEEE SA) published a [Policymakers' Guide to IEEE Standards](#) to conveniently provide policymakers with support in implementing legislation and regulation, using IEEE standards. It provides incentives for them to follow internationally accepted practices. And it included real-world examples of how governmental bodies have leveraged IEEE standards, including the EU.

And again, Ericsson is aware that a worldwide standard would make for better business, as pointed out by an Ericsson research expert in *Impact of EMF Limits on 5G Network Rollouts* – a [presentation](#) given at the Dec. 2017 ITU Workshop:

The size of the exclusion zone for countries with 1/100 of the ICNIRP limit would make deploying 5G a major problem or impossible.

If motives are for nefarious reasons – like profits over people, why push them on the rest of the world? If guidelines aren't truly protective, like with SAR ratings being based on heating only, why keep acting like they are?

PROVERBS 1:20-1:32

1:20 Wisdom crieth outside; she uttereth her voice in the streets:

1:21 She crieth in the chief place of meeting, in the openings of the gates: in the city she uttereth her words, [saying],

1:22 How long, ye simple ones, will ye love simplicity? And the scorers delight in their scorning, and fools hate Knowledge?

1:23 Turn you at My reproof: behold, I will pour out My spirit unto you, I will make known My words unto you.

1:24 Because I have called, and ye refused; I have stretched out My hand, and no man regarded;

1:25 But ye have set at nought all My counsel, and would none of My reproof:

1:26 I also will laugh at your calamity; I will mock when your fear cometh;

1:27 When your fear cometh as desolation, and your destruction cometh as a whirlwind; when distress and anguish cometh upon you.

1:28 Then shall they call upon Me, but I will not answer; they shall seek Me early, but they shall not find Me:

1:29 Because they hated Knowledge, and did not choose the fear of the "I AM":

1:30 They wanted none of My counsel: they despised all My reproof.

1:31 Therefore shall they eat of the fruit of their own way, and be filled with their own devices.

1:32 For the turning away from simplicity shall slay them, and the prosperity of fools shall destroy them.

[King of kings' Bible](#)

Engineers like to think they're pretty advanced; but, if they can't step outside the party-line and design products with people in mind, instead of profits that support the beast-system, they are selfish, not smart. Christ put simply in a new commandment.

John 13:34 A new COMMANDment I give unto you, That ye love one another; as I have loved you, that ye also love one another.

With all the dabate on whether current standards are protective, one question needs to be answered.

How Do We Know Who To Believe?

Perhaps, Dr. Jerry Phillips answers **The Big Question** in this video (21:35 min) – **Electromagnetic Fields and DNA Damage –Dr. Jerry Phillips**. Dr. Philips focuses on **this question**, rather than cataloging the effects, at its title refers.

As a scientist and EMF researcher, he offers good explanation, and even points out that there are junk studies on both sides. Instead of giving you a spoiler to his answer, please watch his presentation.

There are other pressing alerts to point out – those found in the Holy Bible –which is the ultimate Authority on Truth.



Biblical Consequences:

1 Timothy 5:17 Charge them that are rich in this world, that they be not highminded, nor trust in uncertain riches, but in the Living God, who giveth us richly all things to enjoy;

1 Timothy 5:18 That they do good, that they be rich in good works, ready to distribute, willing to communicate;

1 Timothy 5:19 Laying up in store for themselves a good foundation against the time to come, that they may lay hold on Eternal Life.

1 Timothy 5:20: O Timothy, keep that which is committed to thy trust, avoiding profane [and] vain babblings, and OPPOSITIONS OF SCIENCE (knowledge) FALSELY SO CALLED:

Enoch 68:16: But by this, THEIR KNOWLEDGE (science - 1 Tim. 5:20), THEY PERISH, and by this also its power consumes them.

Matthew 24:22 And except those days should be shortened, there should no flesh be saved: but for the Elect's sake those days shall be shortened.

Evil must, and will be, rooted out, lock, stock and barrel, and with it, all those who seek to destroy the earth. The day of reckoning is at hand.

How would **Father** reach those people who deserved to **SURVIVE**, when the vast majority are defying Him and are insanely trying to destroy themselves and the planet's eco-system (their own "life-support" machine)? He would disclose the **MYSTERY** of why we were put on Planet Earth in the first place – which has nothing to do with destroying it with our own selfish consumption.

Trust The Lord.



Scripture references from
The King of kings' Bible