

# ELECTROMAGNETIC RADIATION

25,000,000,000

Cisco predicts that there will be 25 billion connected devices in 2015 and 50 billion by 2020

Mobile phones are low-powered radio frequency transmitters, operating at frequencies between 450 and 2700 MHz with peak powers in the range of 0.1 to 2 watts

The FCC limit for public exposure from cellular telephones is an SAR level of 1.6watts per kilogram

(1.6 W/kg)



## NUMBERS DON'T LIE

64% of Americans now own a smartphone, up from 58% in early 2014

Some laptops actually emit as much as 150 mG or more. We have helped testing a customer's laptop that was max'ing out the meter (which only went up to 100mG)



Electromagnetic fields (EMFs) don't only come from your computer screen. The electronics inside your computer generate a powerful EMF

Prolonged exposure to higher levels, from 2 mG and above, has been associated with cancer and immune system effects

THE EXPOSURE LEVEL IS UP TO 200 MG

All appliances working on electricity produce a toxic electromagnetic field (EMF) of approximately 60 hertz. This is over and above potential microwave leakage



The microwave radiation itself can leak out and damage human cells and tissues

Microwaved foods have been shown to elevate cholesterol and stress and decrease white blood cells

The design of tablets makes them more dangerous than other types of computers, 2 reasons: you can only connect to the internet via wireless - so radio frequency (RF) radiation exposure is guaranteed and their small size and tactile screens - magnetic field exposure is guaranteed




Radio frequency radiation levels from iPad of about 1V/m with spikes around 6v/m.

The BioInitiative Report from 2012 recommends a precautionary level of 0.0003  $\mu\text{W}/\text{cm}^2$  to 0.0006  $\mu\text{W}/\text{cm}^2$  (0.03V/m - 0.05V/m)

100 TIMES HIGHER LEVEL

LEGAL SECTION OF HOW APPLE WARNS CUSTOMERS ABOUT RADIATION FIELD EXPOSURE IN THEIR LEGAL SECTION (buried deep in the iPhone Settings)

“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 as-tested levels.” 

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SOURCE

<http://www.pewinternet.org/2015/04/01/us-smartphone-use-in-2015/> | <http://www.safespaceprotection.com/electrostress-from-microwave-ovens.aspx>  
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