

Evidence Power Levels are Increasing

- **Today's** outdoor RF-EMF levels in Los Angeles are about **70 times greater than what the EPA estimated forty years ago.**

Sagar S, Adem SM, Struchen B, Loughran SP, Brunjes ME, Arangua L, Dalvie MA, Croft RJ, Jerrett M, Moskowitz JM, Kuo T, Rössli M. Comparison of radiofrequency electromagnetic field exposure levels in different everyday microenvironments in an international context. *Environment International*, 114: 297-306. Published online ahead of print, March 9, 2018.

- Smart homes require high data rate connections
- 5G will “completely change” radiation exposure
- “electromagnetic exposure especially to the human body will increase in the future”
- **“calculated legal exposure limits of mobile devices were exceeded twice in areas within very poor reception”**
- **“there have to be periodic measurements to comply with radiation limits”**

Peter Mandl ; Pirmin Pezzei ; Erich Leitgeb (2018 Aug 23) Selected Health and Law Issues Regarding Mobile Communications with Respect to 5G
IEEE Xplore

- In 2014, an FCC insider says cell towers are exceeding legal limits
- **Estimates of 1% of 300,000 cell towers exceed limits** according to the insider in 2014
- More than 100 instances of noncompliance were reported to the FCC according to Janet Newton in 2014. Newton is head of the EMR Policy Institute.
- The FCC has taken few enforcement actions for any wireless source.

Slesin L (2013 Apr 2) Cell Phone Carriers & the FCC: Cozy & Colluding. An Industry Insider Speaks Out. *Microwave News*.
<https://microwavenews.com/news-center/cell-phone-carriers-fcc-cozy>

- Tehran and Shiraz in Israel monitor wireless radiation
- 80 monitoring stations exist in Tehran and Shiraz

Electromagnetic Radiation Online Monitoring System in Tehran, Shiraz (2018 10.24) Eghtesad Online. <https://www.en.eghtesadonline.com/Section-technology-13/27288-electromagnetic-radiation-online-monitoring-system-in-tehran-shiraz>

Russia, China, and over half of the world's population has much lower limits than the United States. Historically, the US has not come near the legal limit. Small cell towers approach a “limit” that lacks any testing in real life or in laboratories.