

Electromagnetic Safety

Prepared for the County of Nevada, July 9th 2024

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www.okusolutions.com

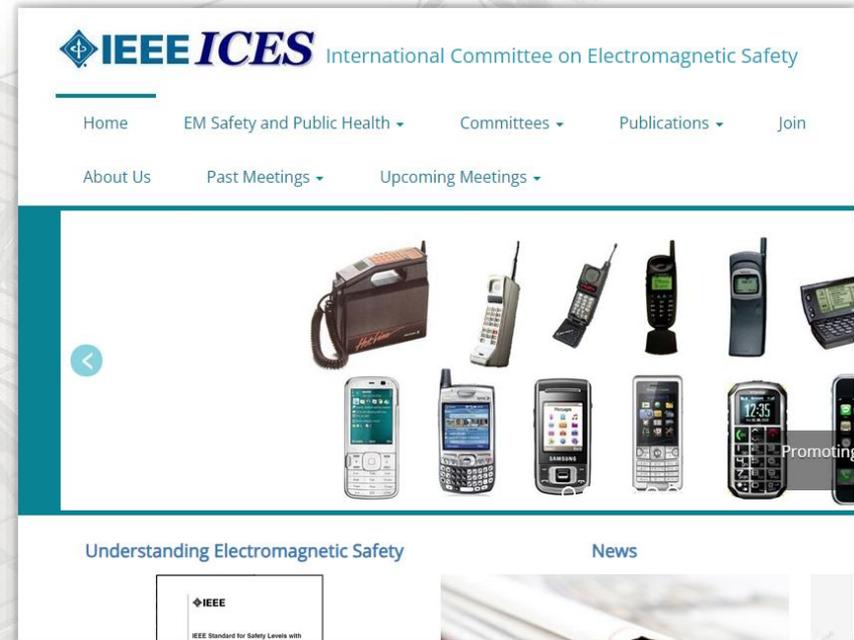
My Bio

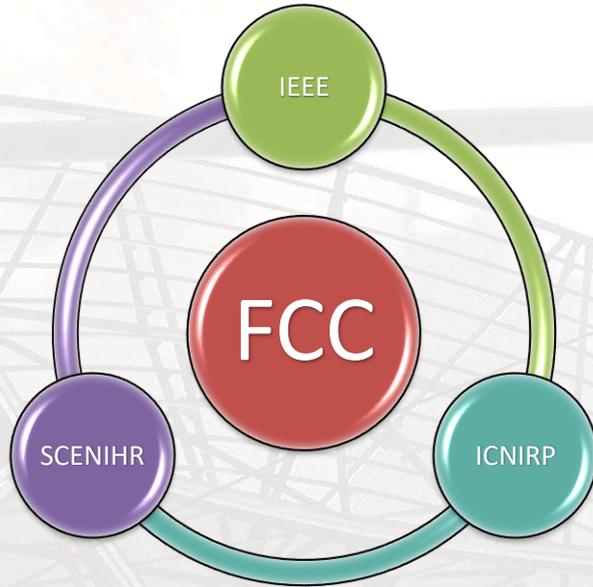


- CEO & Founder, Oku Solutions LLC
 - 3rd Party Review, Expert Witness, RF Safety Studies & Measurements
- U.S. Coast Guard: Electronics, High-power comms & RADAR
- University of California, B.Sc. Electrical Engineering, w/ focus on microwave/RF, electromagnetic applied physics.
- IEEE: Institute of Electrical and Electronic Engineers
 - Senior Member
 - Life Member: Microwave Theory and Techniques Society
 - Member: IEEE Standards Association, International Committee on Electromagnetic Safety (C95 Standards Family)
 - Member: Engineering in Medicine and Biology Society, Committee on Man and Radiation

IEEE International Committee on Electromagnetic Safety (ICES)

- Over 200 members: scientists, doctors, academics, engineers, and government employees.
- EMBS COMAR reviews scientific and medical literature.
- ICES meets every six months.
- Produces standards for exposure, measurement methods, safety practices, dosimetry, etc.
- *Standards are used by regulatory bodies (incl. the FCC) to create maximum permissible exposure guidelines.*

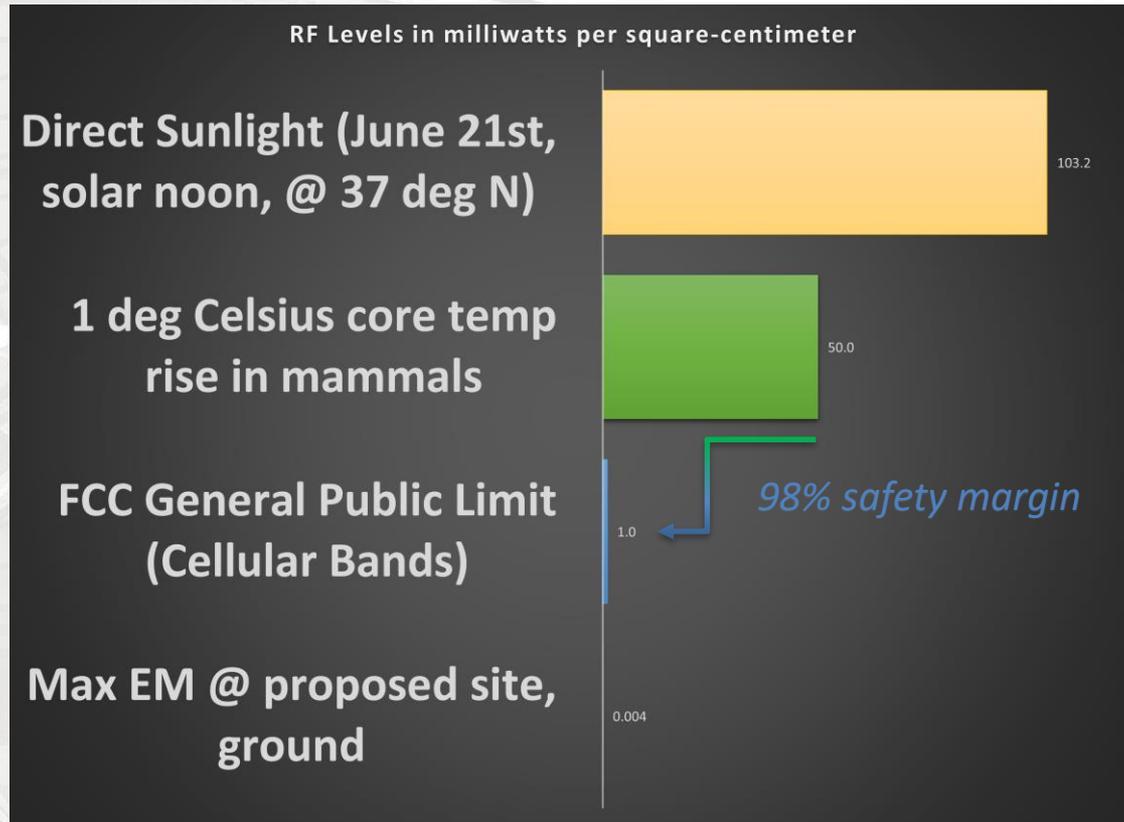




- IEEE C95 Standard Family
 - Updates every 10 years.
 - Standards for safety, measurement and computation methods, dosimetry, modeling...
 - ***IEEE C95.1 "EM Safety Levels" was updated in 2019.***
 - ***FCC maintained guidance in 2019 based on various inputs.***

To say "the FCC hasn't updated safety standards since 1996" is pejorative. IEEE TC95 reviews research and updates C95.1 regularly. Each time, over 200 experts from various professional disciplines have found nothing that warrants changes.

Reviewed levels for proposed site



Per the EME Report:

*Waterford, 10-Jan-2024, PE:
D. Cotton*

- Max 14% Public MPE on ground
- Max 64% Public MPE in adj. building sides

Predictive EMEs are worst-case – actual levels will be 5x to 10x lower.