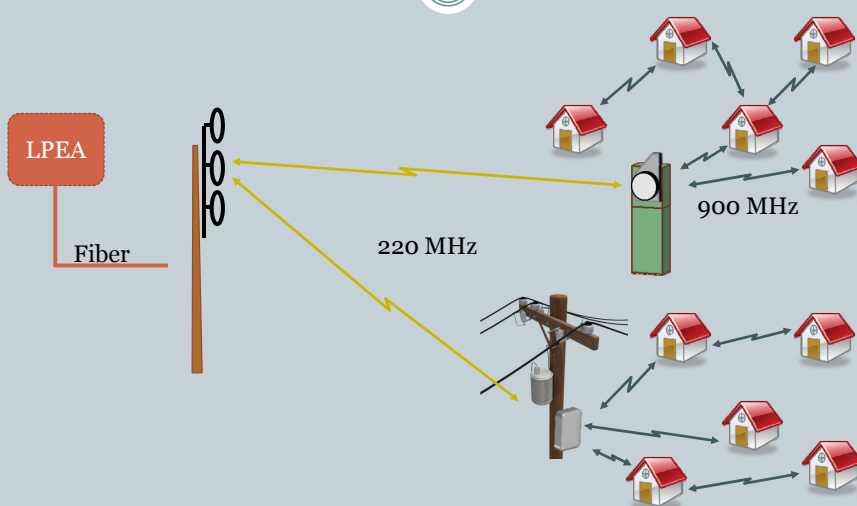
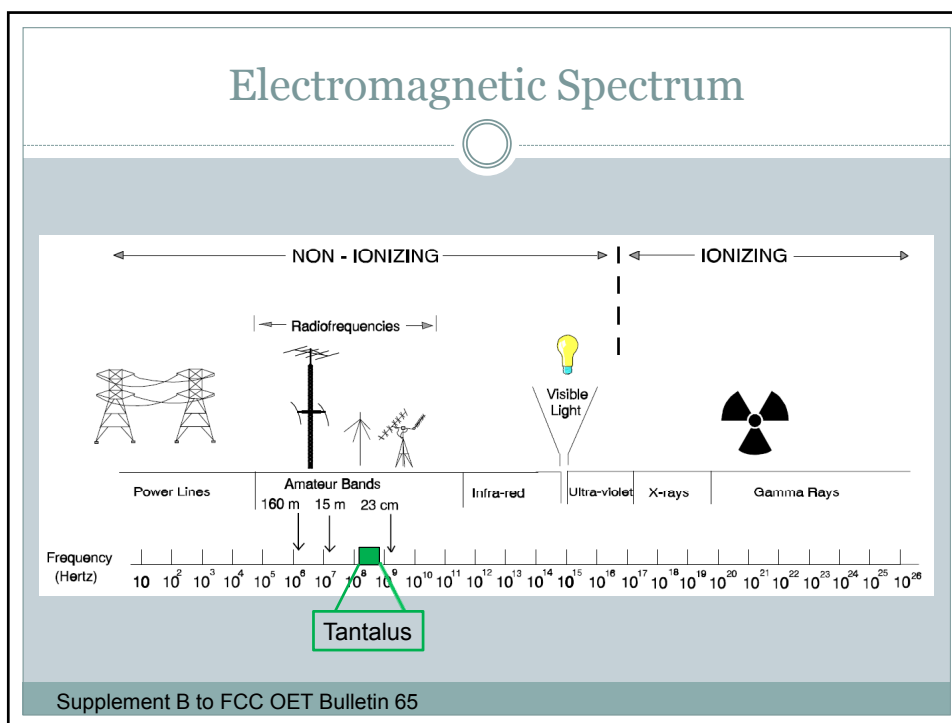


LPEA AMI

RADIOFREQUENCY SURVEY AND SAFETY

LPEA AMI Metering System





- ## Standards
- **FCC; OET Bulletin 65 (1997)**
 - Performed in conjunction with the FDA and EPA
 - Limits average 220 MHz exposure over 30 min to $200 \mu\text{W}/\text{cm}^2$
 - Limits average 900 MHz exposure over 30 min to $600 \mu\text{W}/\text{cm}^2$
 - **International Commission on Non-Ionizing Radiation Protection (ICNIRP) Guideline**
 - Limits average 220 MHz exposure over 6 min to $200 \mu\text{W}/\text{cm}^2$
 - Limits average 900 MHz exposure over 6 min to $450 \mu\text{W}/\text{cm}^2$
 - **Occupational Safety & Health Administration (OSHA); 1910.97**
 - Limits average exposure over 6 min to $10,000 \mu\text{W}/\text{cm}^2$

WHO/IARC Classification

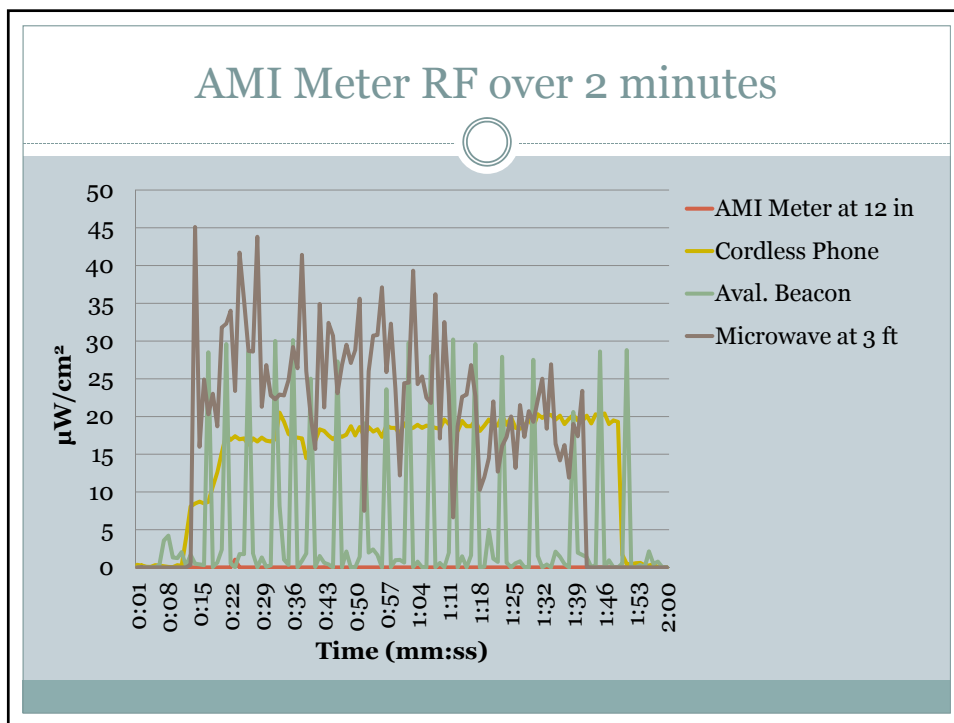
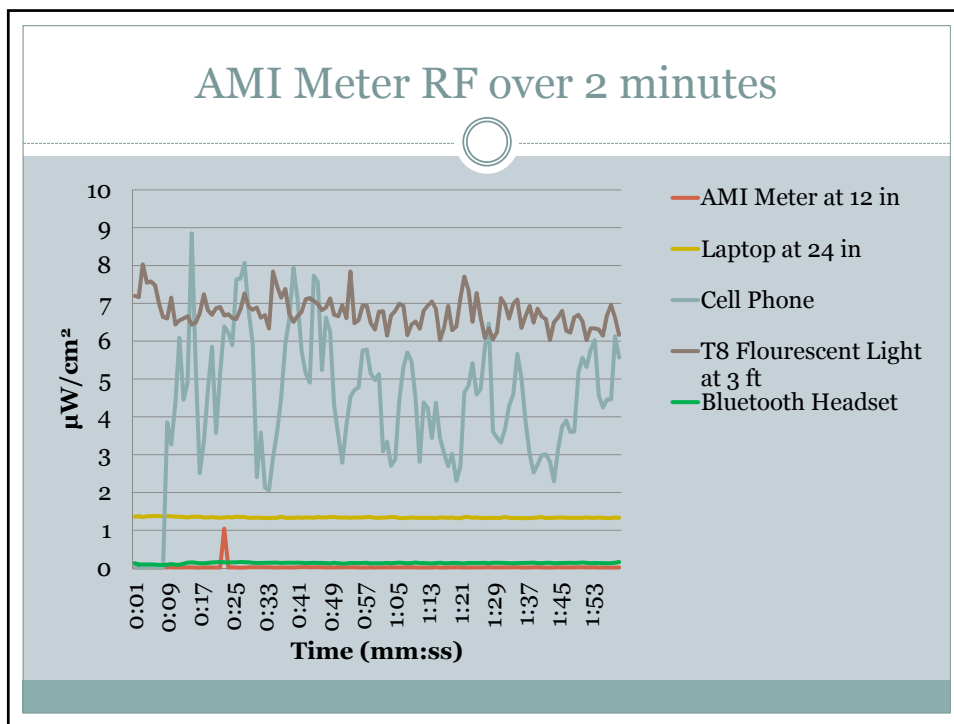
- International Agency for Research on Cancer
 - EMFs are not considered *Carcinogenic* (Group 1)
 - EMFs are not considered *Probably Carcinogenic* (Group 2A)
 - EMFs are considered *Possibly Carcinogenic* (Group 2B)
- Evidence was “limited” among wireless telephone users ¹
- Evidence was “inadequate” for occupational and environmental exposures ¹
- IARC recommends pragmatic measures such as texting or hands-free devices ¹

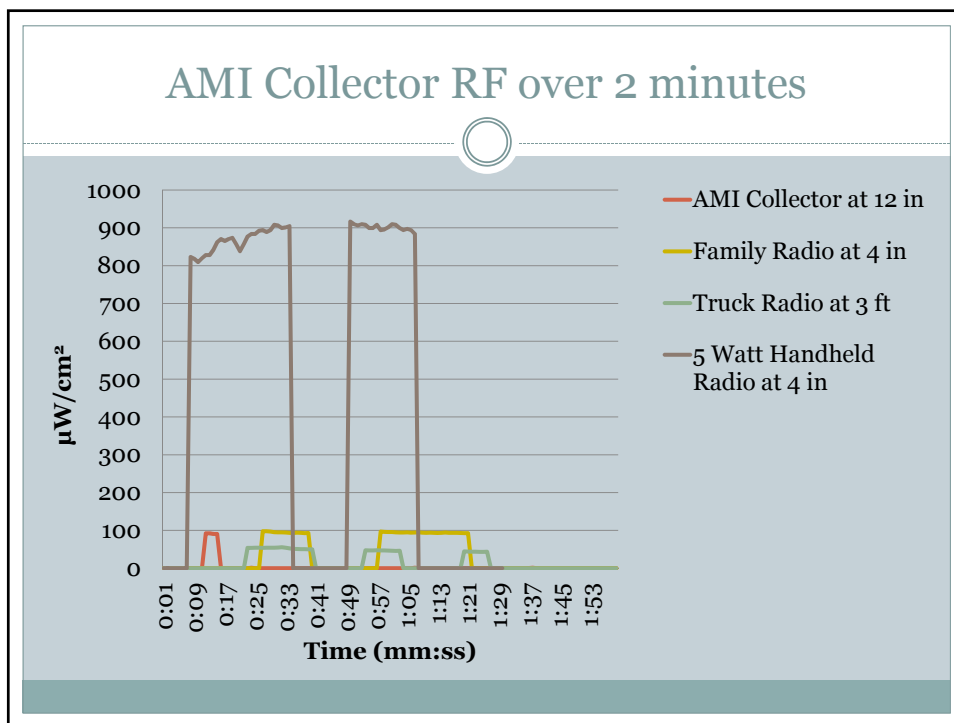
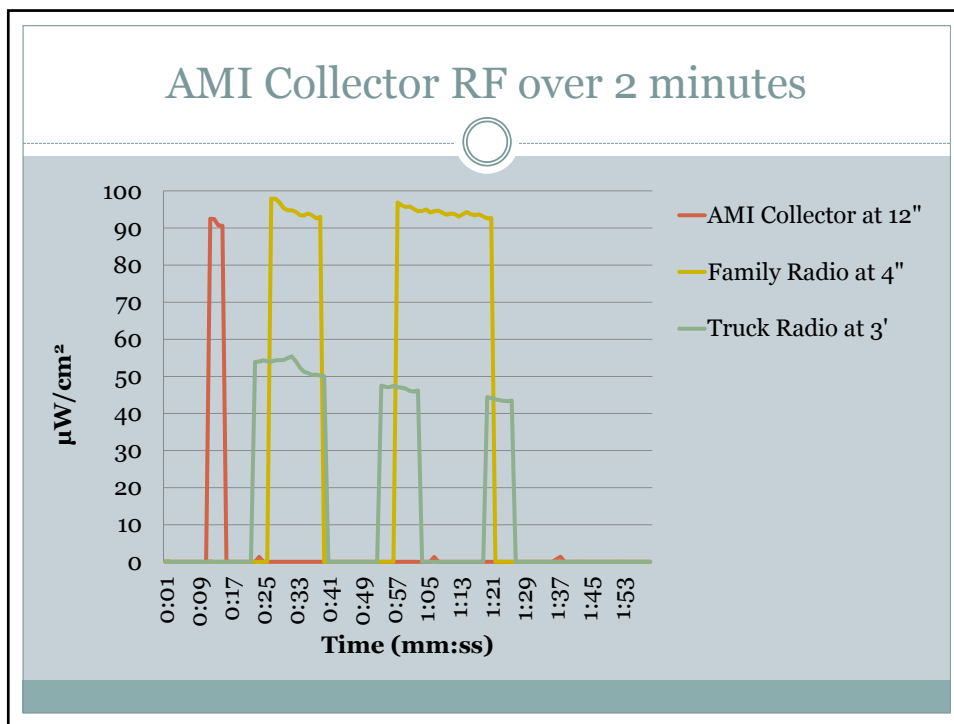
¹ WHO/IARC Press Release #208, 31 May 2011

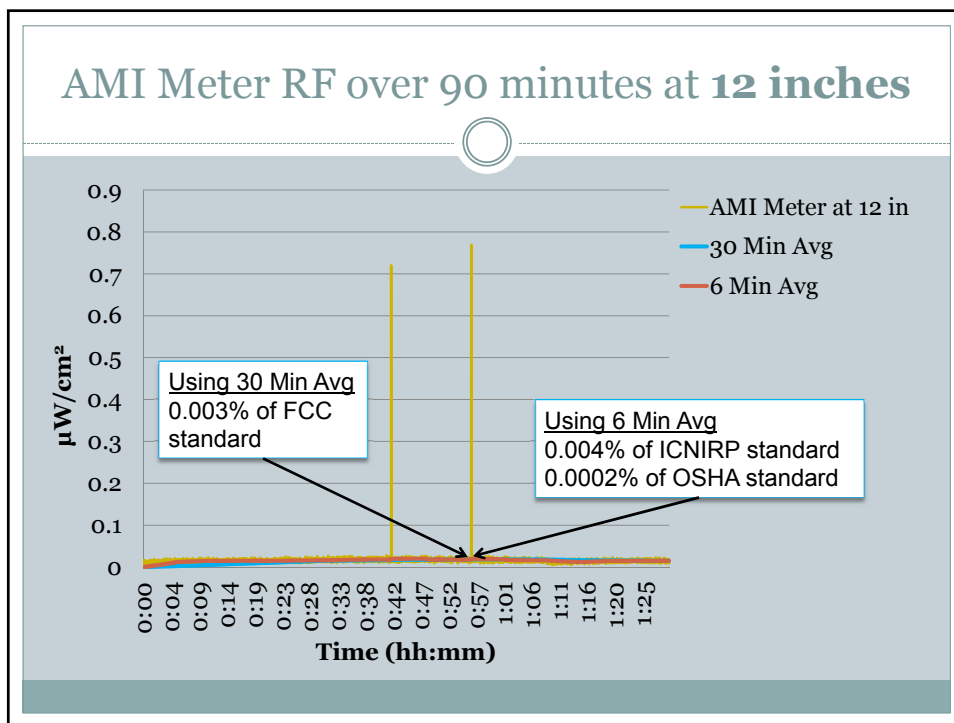
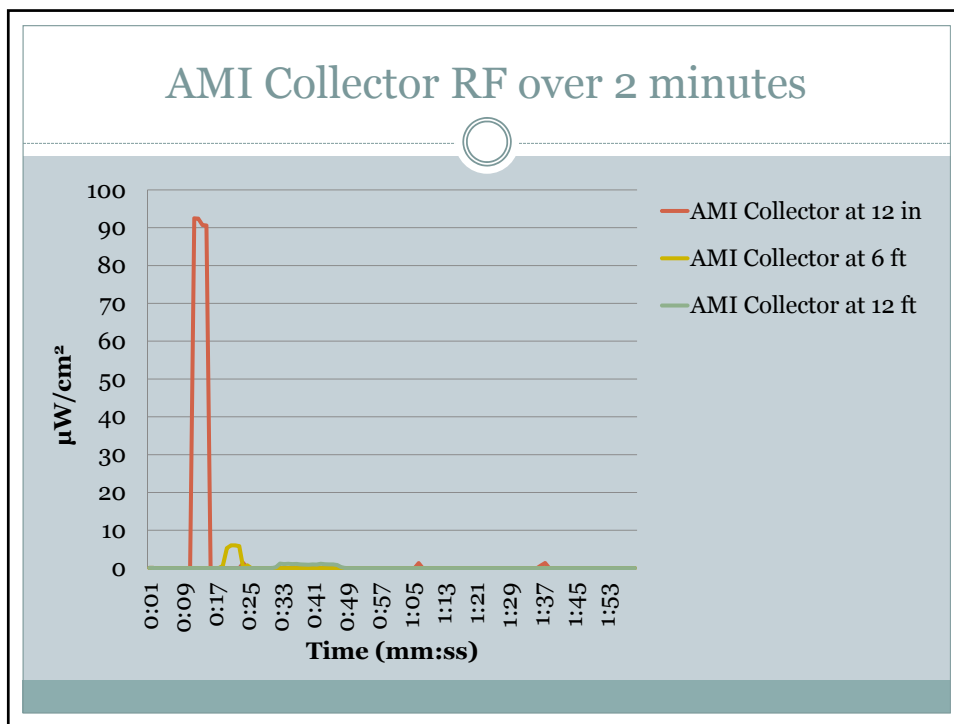
The Tantalus System

- Tantalus is the manufacturer of the AMI communications module
- One reason for selecting Tantalus was because of their small radio frequency footprint relative to other AMI systems

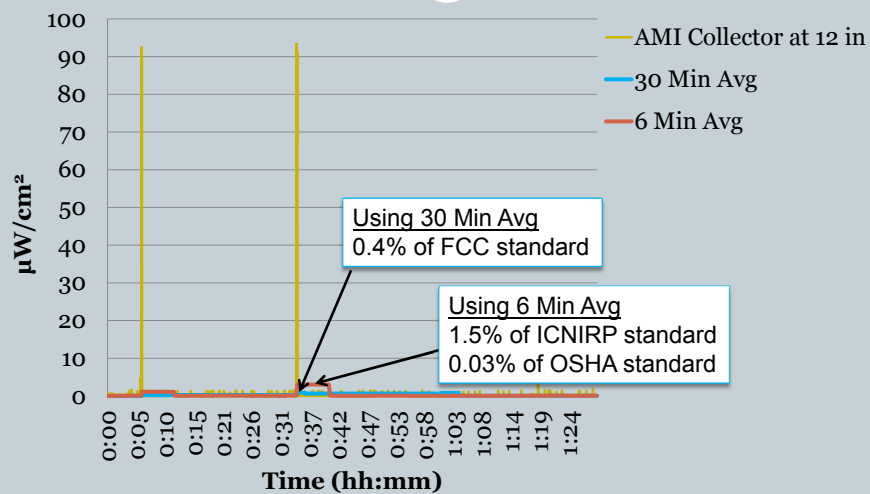
Vendor	Meter	Collector
Tantalus	1/2 watt	5 watts
Silver Springs	1 watt	7 watts / cellular
Sensus	5 watts	None







AMI Collector RF over 90 minutes at 12 inches



Summary

- Radiofrequency levels from LPEA's AMI system is orders of magnitudes below FCC, ICNIRP, and OSHA standards
- Radiofrequency levels from LPEA's AMI meters are well below common levels most people experience every day
- Radiofrequency levels from LPEA's AMI collectors are similar to those of handheld radios, but at a much greater distance

Action Items

- Whenever possible, LPEA will place collectors at distances from dwellings
 - Meter pedestals
 - Existing poles
- LPEA will record locations of members who are concerned and maximize the distance between those members and the collectors
- LPEA staff will develop an “opt-out” option for members

THANK YOU

QUESTIONS?