

FM Model

Radio Frequency Safety

FCC Policy on Human Exposure

RF Safety FAQ

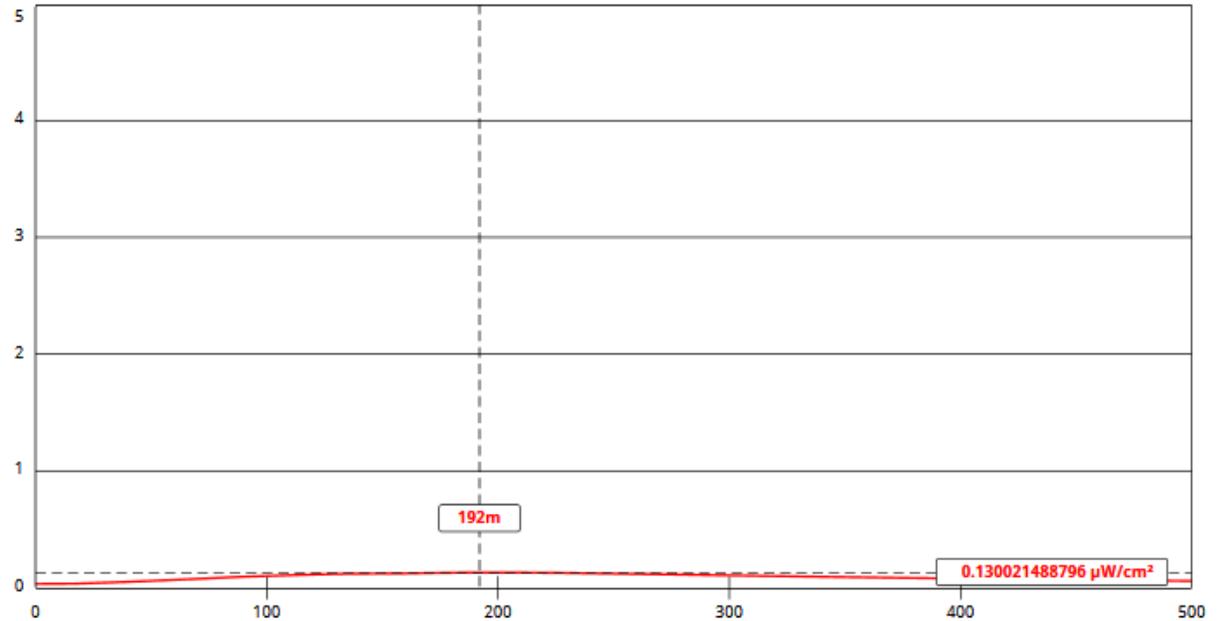
Body Tissue Dielectric Parameters

RF Safety Highlighted Releases

FM Model

The FM Model calculator determines the potential exposure from radiofrequency (RF) electromagnetic fields produced by FM broadcast station antennas at ground level. The FM Model software was originally developed by the FCC in 1997 as a standalone executable program and this improved version provides more precise predictions and runs via a JavaScript enabled web browser. The FM Model is originally based on measured data published in 1985 by the EPA.

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| | | | |
|-------------------|--------------------------------|-------------------------------|-----|
| Channel Selection | Channel 240 (95.9 MHz) ▼ | | |
| Antenna Type + | EPA Type 2: Opposed V Dipole ▼ | | |
| Height (m) | 190 | Distance (m) | 500 |
| ERP-H (W) | 250 | ERP-V (W) | 250 |
| Num of Elements | 1 | Element Spacing (λ) | 1 |
| Num of Points | 500 | Apply | |