

FM Model

Electromagnetic Compatibility Division

FCC Policy on Human Exposure

RF Safety Highlighted Releases

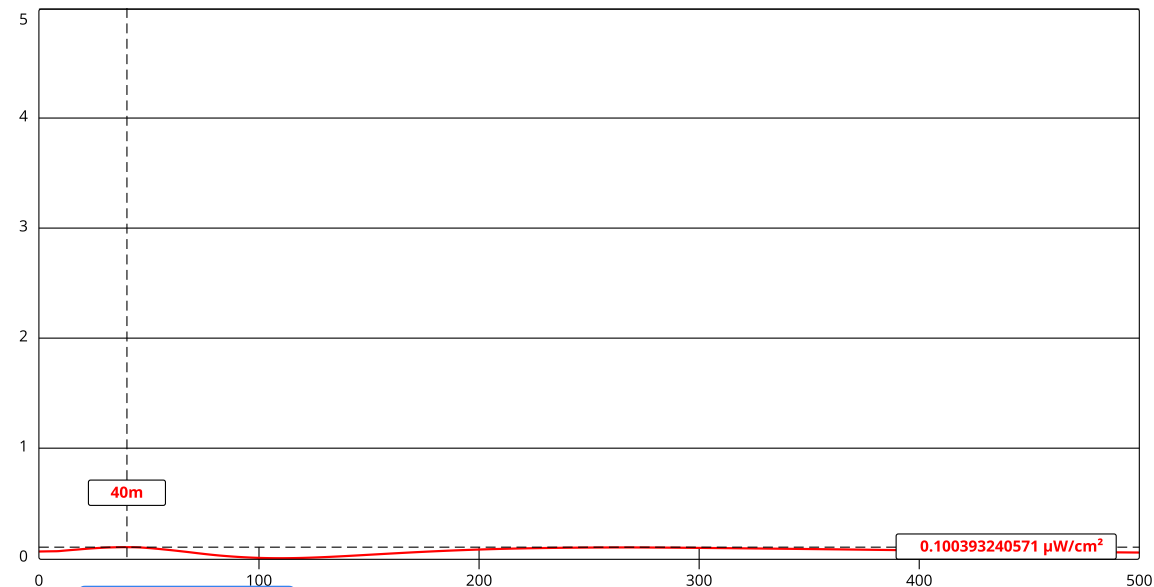
RF Safety FAQ

FM Model

Body Tissue Dielectric Parameters

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 255 (98.9 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	100	Distance (m)	500
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	2	λ	0.75
Num of Points	500	Apply	