FM Model

WLAW-FM 47 C.F.R. Section 1.1306 Compliance

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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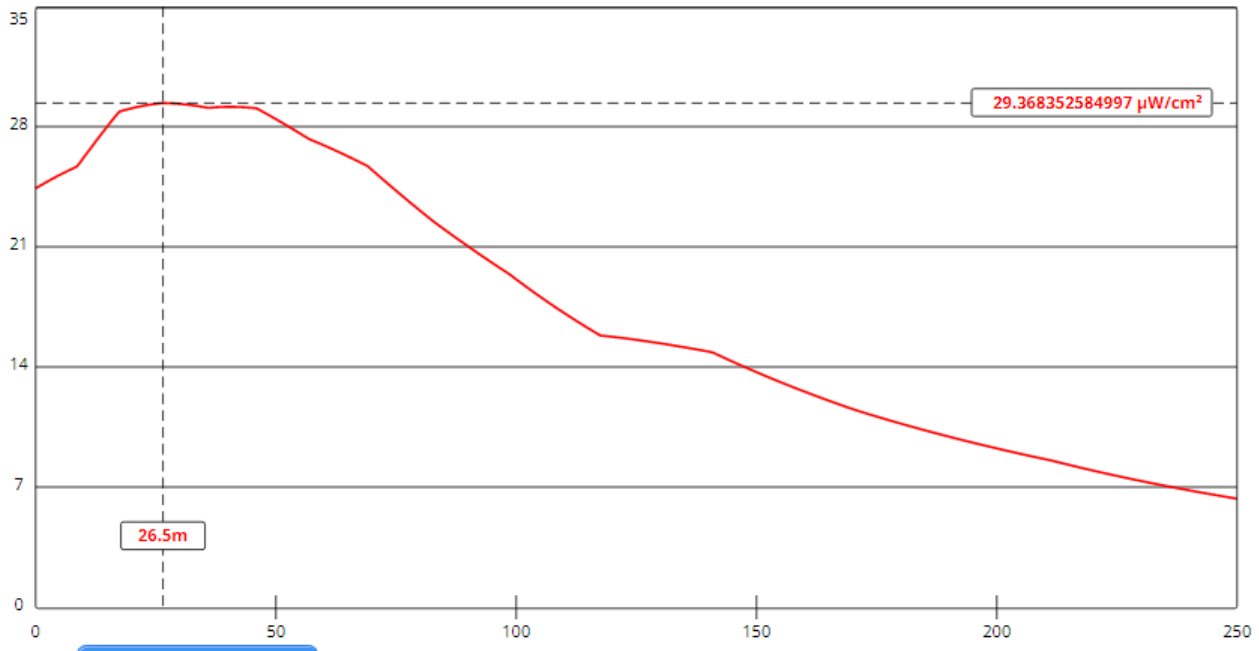

View Tabular Results +

Channel Selection	Channel 248 (97.5 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	100.6	Distance (m)	250
ERP-H (W)	7100	ERP-V (W)	7100
Num of Elements	1	Element Spacing (?)	1
Num of Points	500	Apply	

Bureau/Office:
Engineering & Technology

A Commission grant of Authorization for this location would not be an action which may have a significant environmental effect. The FCC FM Model software predicts the proposed facility will create a maximum power density near the ground of 29.365 µW/cm². This is 14.7% of the maximum power density for uncontrolled public access areas in accordance with OET Bulletin 65. The permittee/licensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.