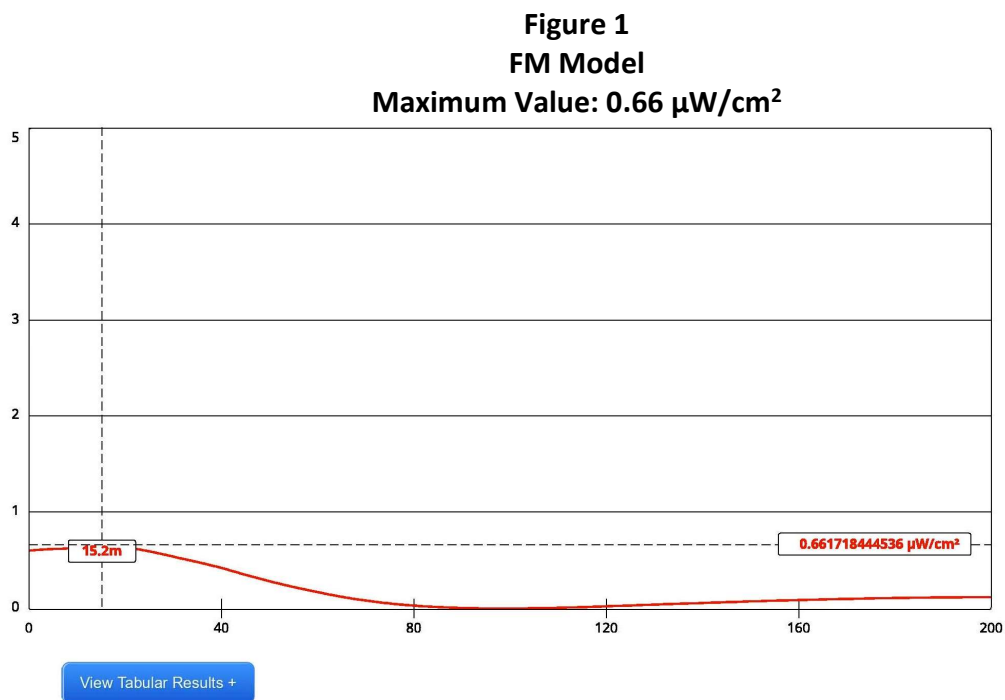


Environmental Protection Statement

An analysis of the proposed W281AJ translator site was performed using the Commission's FM Model program and OET Bulletin 65 parameters for FM protection. The proposed antenna for the translator is a two bay Shively 6815 omni-directional antenna. This 0.76 wave length spaced antenna has a maximum ERP of 250 watts horizontally polarized and 250 watts vertically polarized. The antenna will be mounted at 90 meters above ground level on an existing tower Registration Number 1047776. The proposed 2 bay 0.76 wavelength spaced antenna was analyzed using the following parameters.

Horizontally Polarized Radiation	250.0 W
Vertically Polarized Radiation	250.0 W
Distance from Center of Radiation	
Downward to 2 meters above ground,	88 meters
Type of Antenna	Shively 6815
Number of Antenna Elements	2
Antenna Element Spacing	0.76 λ

The following Figure 1 was produced using the FCC FM Model:



Channel Selection	Channel 281 (104.1 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	88	Distance (m)	200
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	2	Element Spacing (λ)	0.76
Num of Points	500	Apply	

This system configuration on the tower produces a maximum of 0.66 microwatts per square centimeter at 2 meters above ground at a distance of 15.2 meters from the tower. This is 0.33% of the 200 microwatts per square centimeter allowed for uncontrolled exposure. There are no buildings within the major lobe of any antenna. The general public is not allowed near this antenna structure nor the antenna farm. The general public will not be exposed to power density levels exceeding the allowed exposure value from this installation. Maintenance personnel will be fully informed of the antenna and safety precautions will be taken when working near the structure. Danger signs will be posted at the tower site.

The proposed site is a properly fenced AM facility. The $0.66 \mu\text{W}/\text{cm}^2$ power density radiation is 0.33% of the $200 \mu\text{W}/\text{cm}^2$ maximum required for protection to the general public. Therefore, the Commission rule 1.1307(b)(3)(i)¹ applies. The addition of this translator to the environment at this tower farm is excluded from Environmental Assessment.

The applicant certifies that it, in coordination with any other users of the site, will reduce power or cease operation as necessary to protect persons having access to the tower site from radio frequency electromagnetic exposure in excess of FCC guidelines.

No construction, other than the mounting of a light 2 bay FM translator antenna at the 90 meter level on the tower is required. There is no change to the ground or tower structure.

This proposal has no significant environmental impact and complies with 1.1307(b)(3)(i) of the Commission's Rules. Therefore, this proposal is excluded from environmental processing.



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July 20, 2016

¹ 1.1307(b)(3)(i)

Applicants for proposed (not otherwise excluded) transmitters, facilities or modifications that would cause non-compliance with the limits specified in §1.1310 at an accessible area previously in compliance must submit an EA if emissions from the applicant's transmitter or facility would result, at the area in question, in a power density that exceeds 5% of the power density exposure limit applicable to that transmitter or facility or in a field strength that, when squared, exceeds 5% of the square of the electric or magnetic field strength limit applicable to that transmitter or facility.