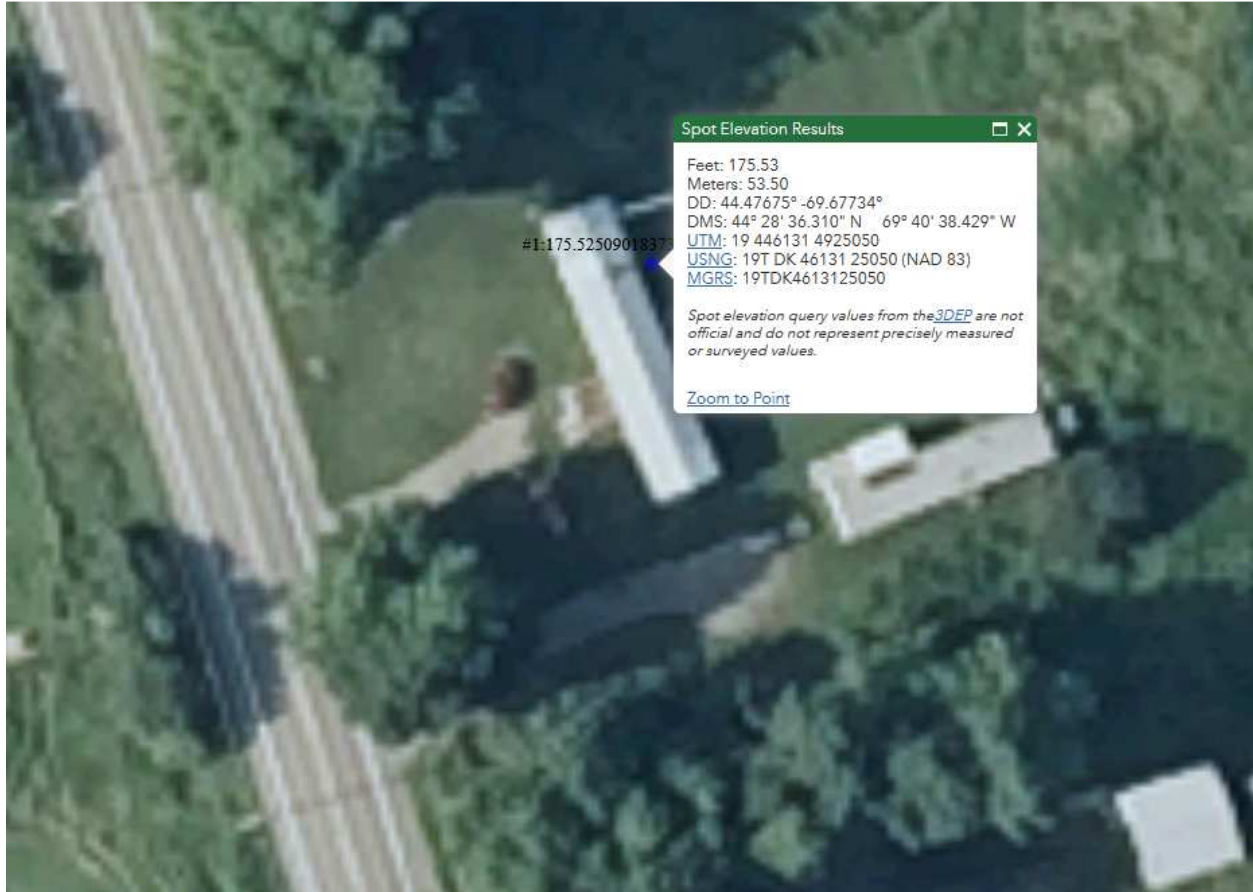


# W234DQ Comprehensive Technical Exhibit

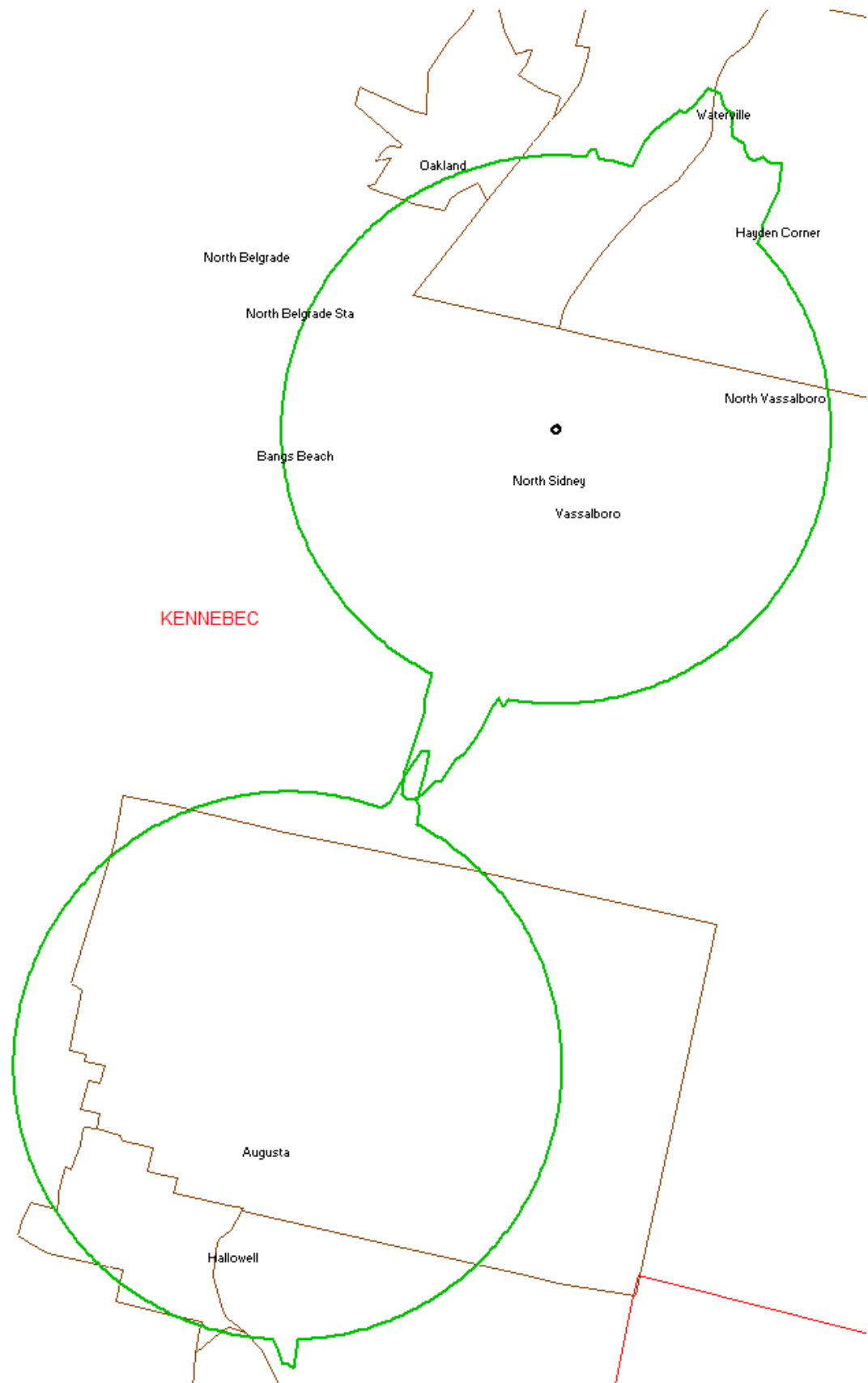
## Site Coordinates and Elevation:



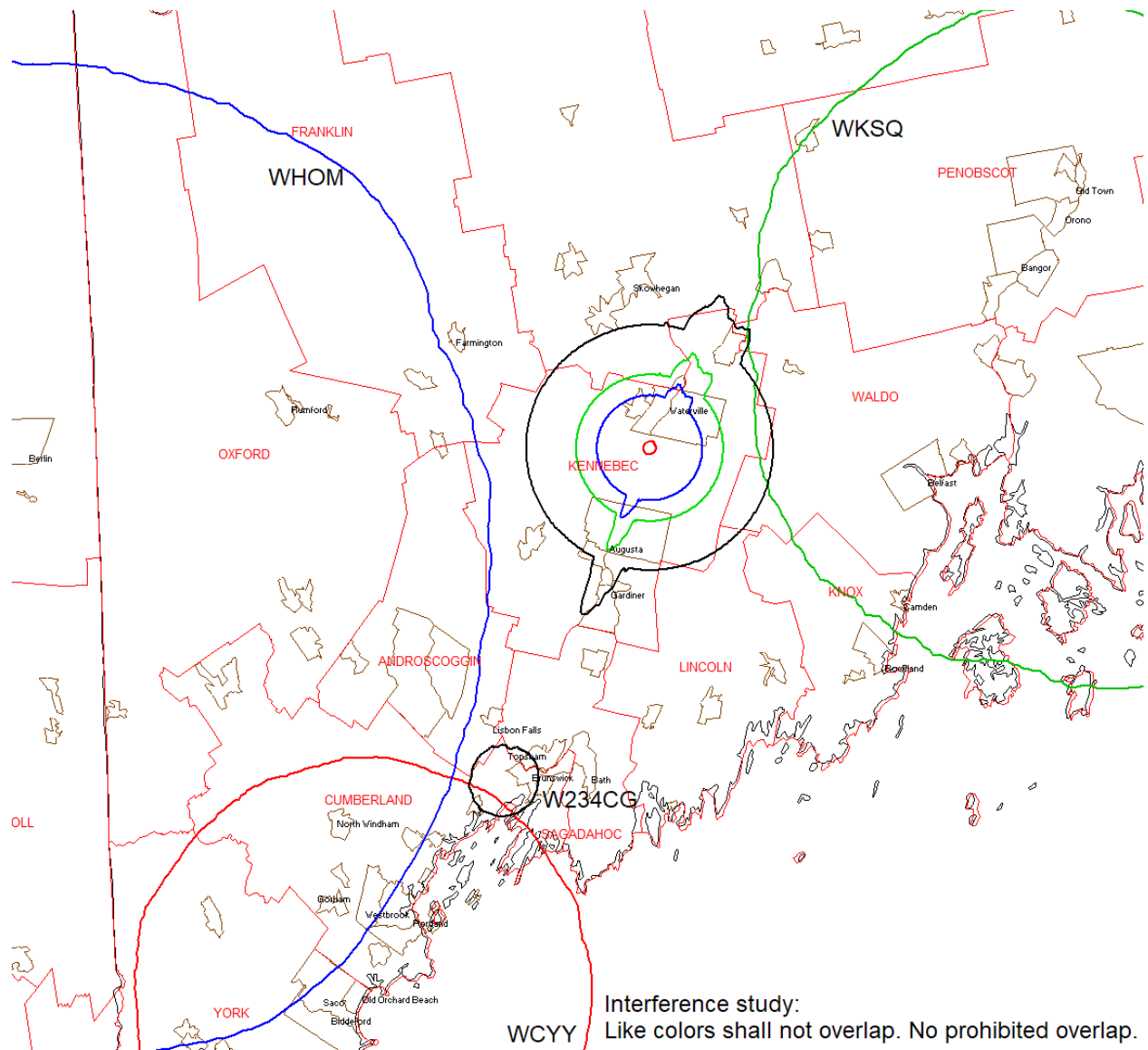
## Mutual Exclusivity/Contour Overlap with Present Facility:

Rome Corner

Belgrade Lakes



## Interference Study:



Protection of WWWA is not shown, as it is the primary station, and 74.1203(d) applies.

# Environmental Showing:

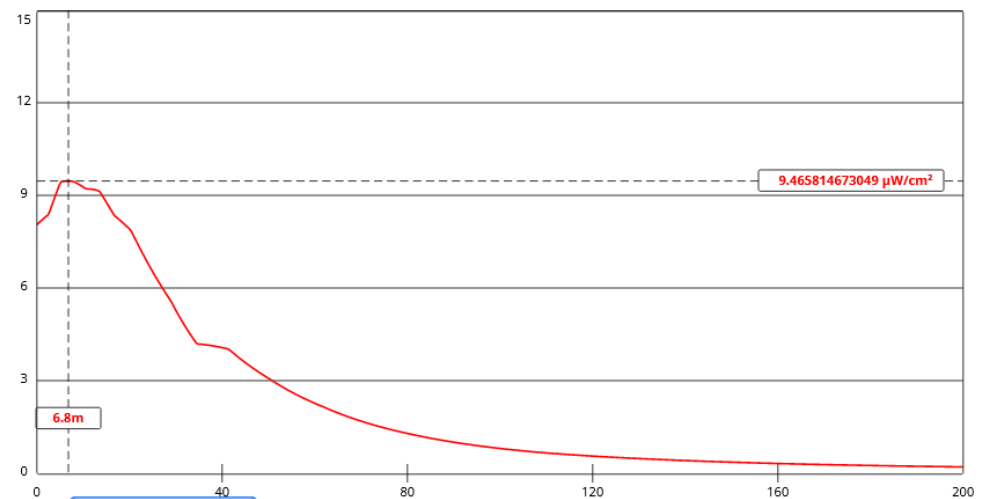
Site is an existing guyed communications tower. Even a single bay antenna with the worst-case Type 1 antenna model results in RF exposure under 5% of the general population limit. No excavation or increase in the height of the tower will be necessary, so there should be no objectionable environmental impact.

## FM Model

### Radio Frequency Safety

[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. [Show More....](#)

[View Tabular Results +](#)

Channel Selection	Channel 234 (94.7 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	<input type="text" value="31"/>	Distance (m)	<input type="text" value="200"/>
ERP-H (W)	<input type="text" value="0"/>	ERP-V (W)	<input type="text" value="250"/>
Num of Elements	<input type="text" value="1"/>	$\lambda$	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	