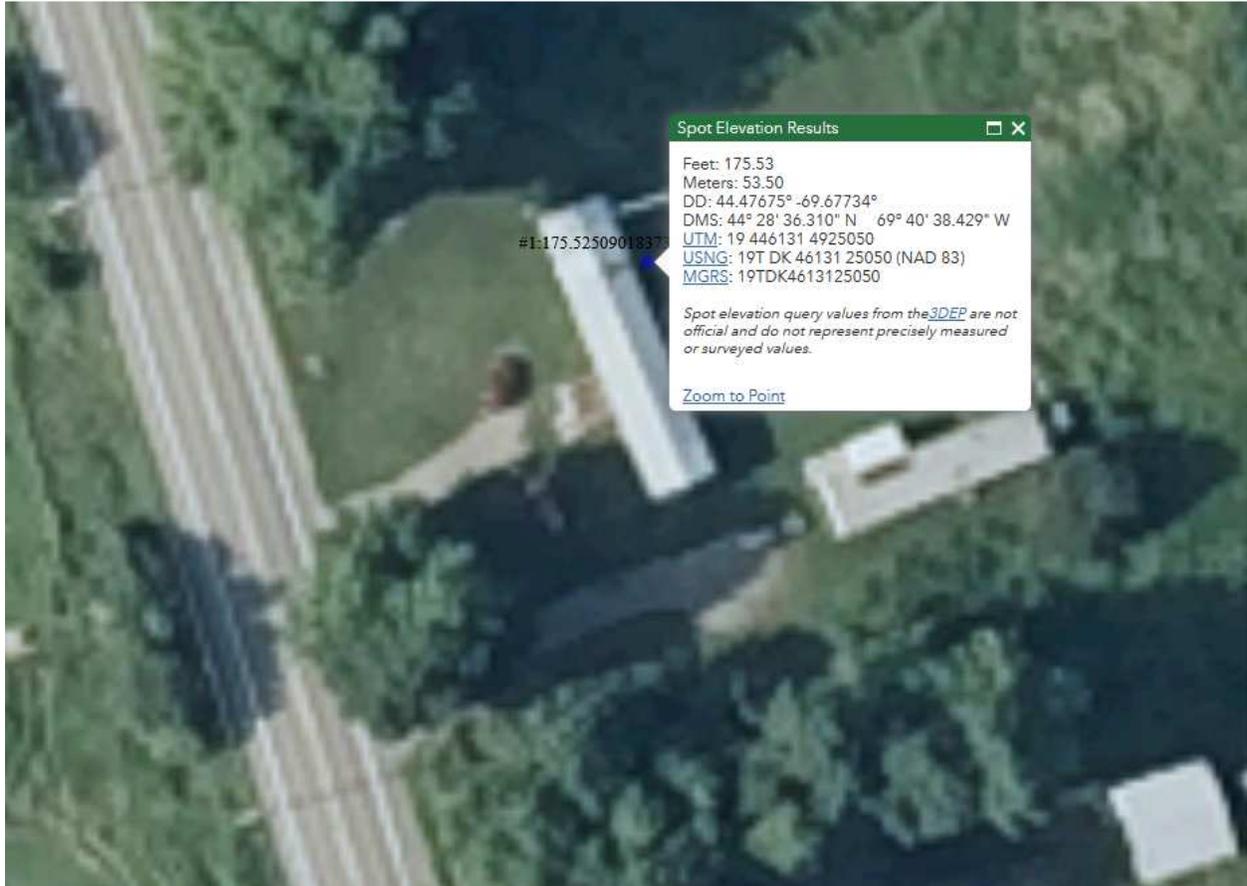


W234DQ Comprehensive Technical Exhibit

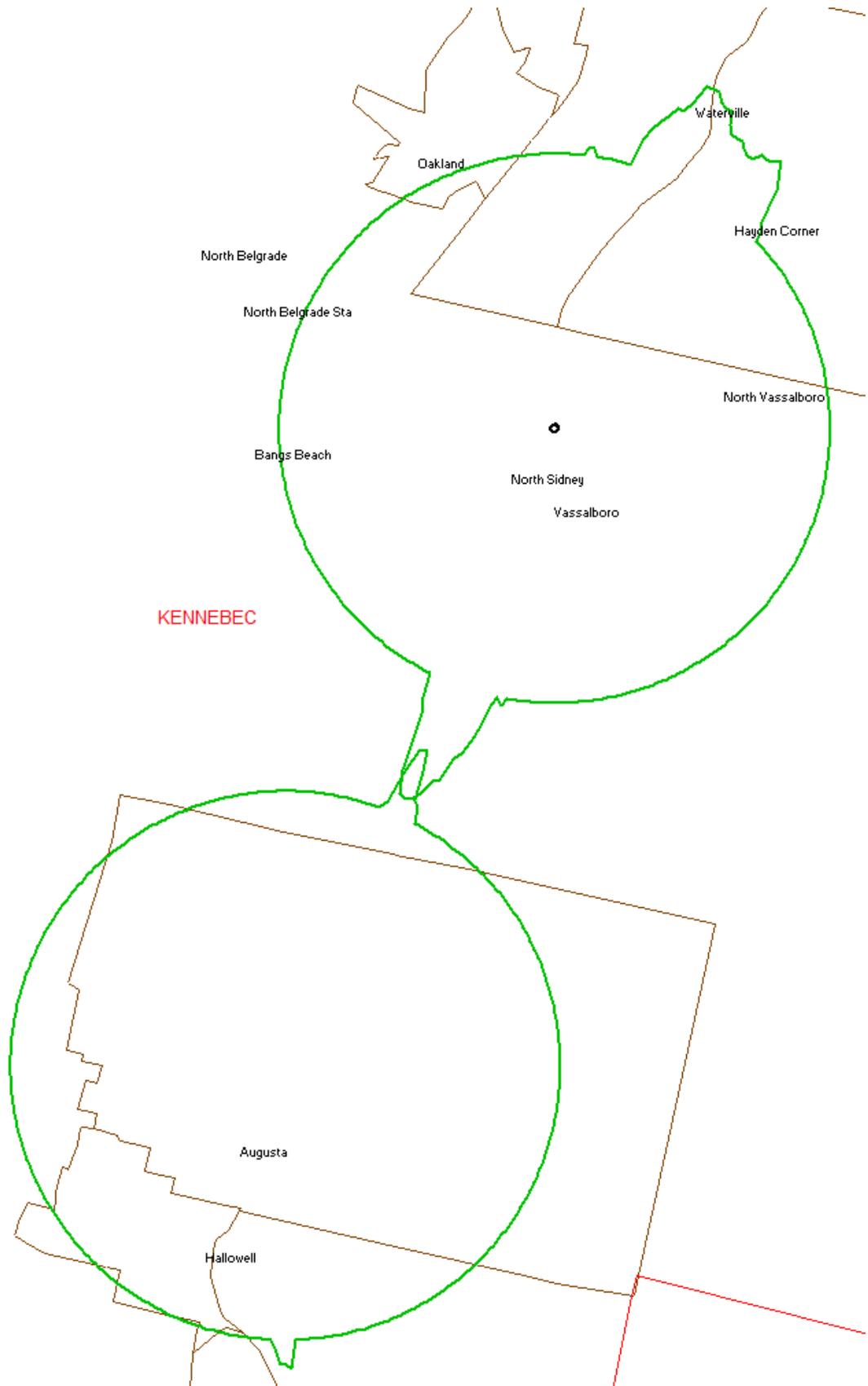
Site Coordinates and Elevation:



Mutual Exclusivity/Contour Overlap with Present Facility:

Rome Corner

Belgrade Lakes



KENNEBEC

Augusta

Hallowell

North Sidney

Vassalboro

Oakland

Waterville

Hayden Corner

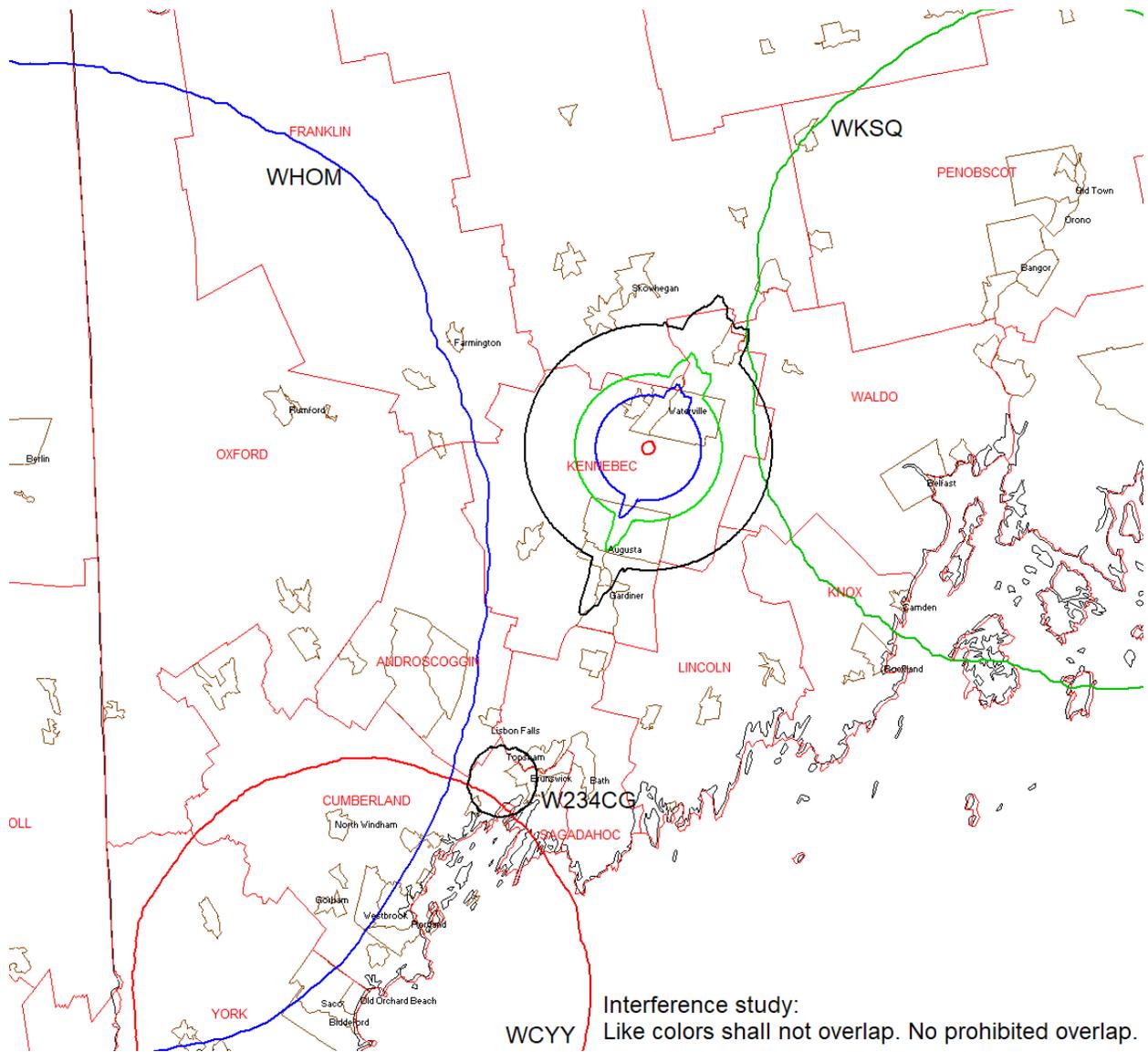
North Belgrade

North Belgrade Sta

North Vassalboro

Bangs Beach

Interference Study:



Protection of WWA 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

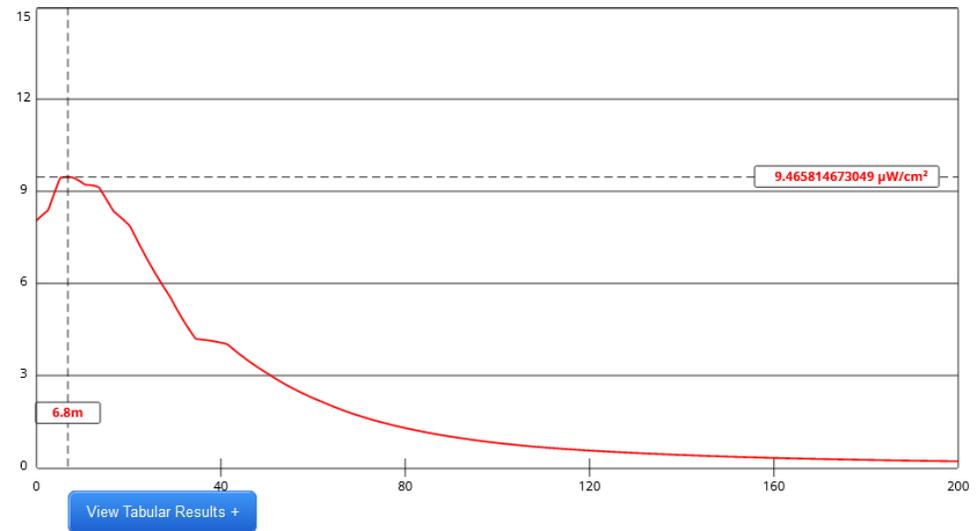
RF Safety Highlighted Releases

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...](#)



Channel Selection	Channel 234 (94.7 MHz) ▾	
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾	
Height (m)	31	Distance (m) 200
ERP-H (W)	0	ERP-V (W) 250
Num of Elements	1	λ 1
Num of Points	500	Apply