

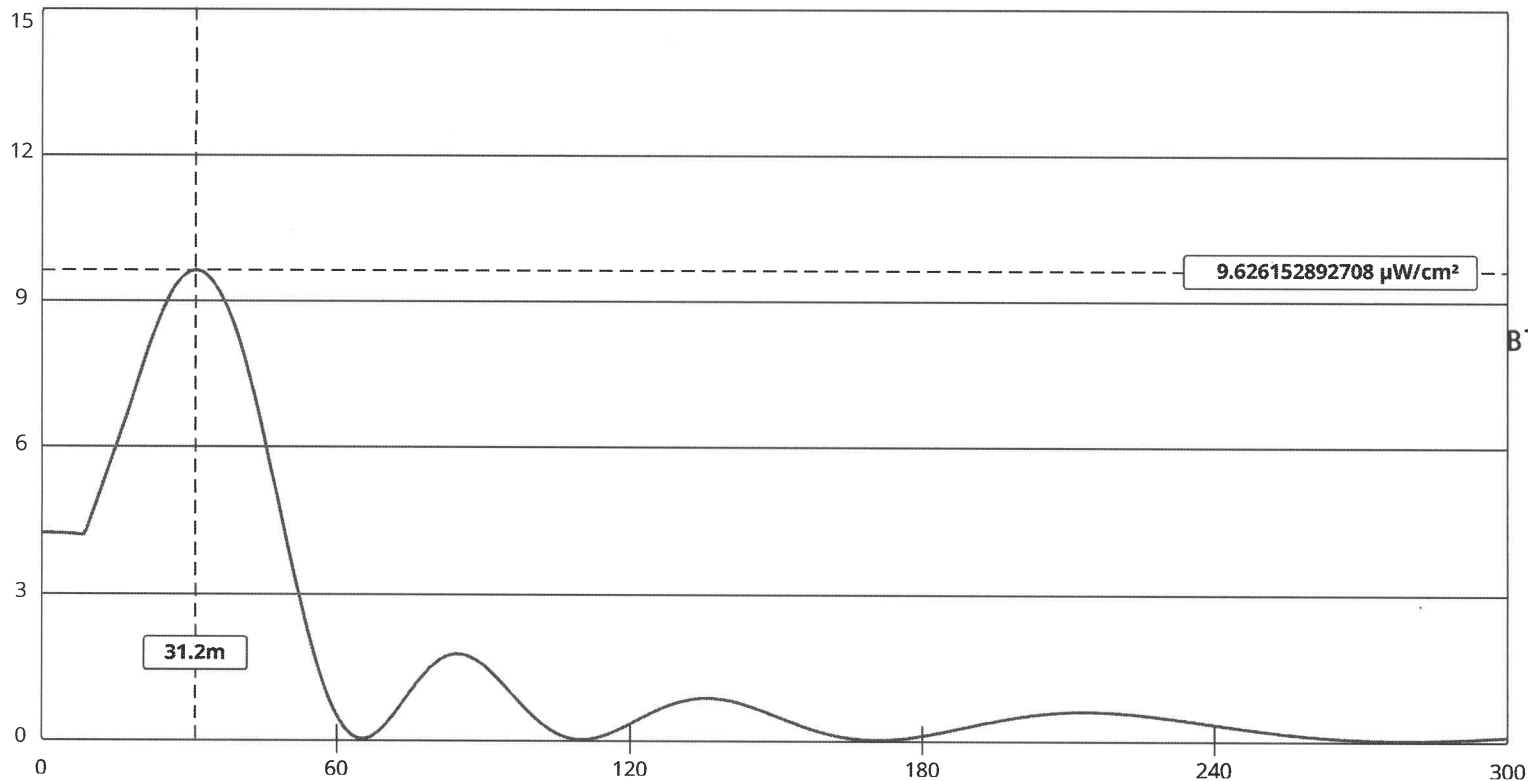
## NONIONIZING RADIATION COMPLIANCE

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Blueberry Broadcasting, LLC  
Camden, ME

The proposed WQSS facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. These facilities will employ a “rototiller” style six bay circularly polarized full wave spaced non-directional antenna that will be mounted at the 100.6 meter level on a new 121.3 meter tower. The predicted power density levels at two meters above ground for these facilities were calculated using the FCC’s “FM Model” computer program. The results of these calculations are shown in the attached figure. This figure shows that the maximum predicted power density at two meters above ground level for these facilities is  $9.63 \mu\text{W}/\text{cm}^2$ , which will occur at a horizontal distance of 31.2 meters from the base of this tower. Since the permitted power density in the FM band is  $200 \mu\text{W}/\text{cm}^2$ , this amounts to only 4.82% of the permitted level for uncontrolled exposure. Since this is less than 5% of the permitted level, these facilities are excluded from environmental processing under this standard and need not be considered in conjunction with other co-located or nearby facilities in evaluating uncontrolled exposure compliance with this standard.

WQSS will also take appropriate steps to insure that workers that must be on this tower will not be exposed to levels of nonionizing radiation that are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power, as appropriate, when work becomes necessary in areas on this tower where the power density levels are in excess of the permitted level for controlled exposure.



**WQSS POWER DENSITY  
CALCULATIONS**  
Blueberry Broadcasting, LLC.  
Camden, ME

View Tabular Results +

Channel Selection	Channel 273 (102.5 MHz) ▼		
Antenna Type +	EPA Type 3: Opposed U Dipole ▼		
Height (m)	100.6	Distance (m)	300
ERP-H (W)	20500	ERP-V (W)	20500
Num of Elements	6	Element Spacing (λ)	1
Num of Points	500	Apply	