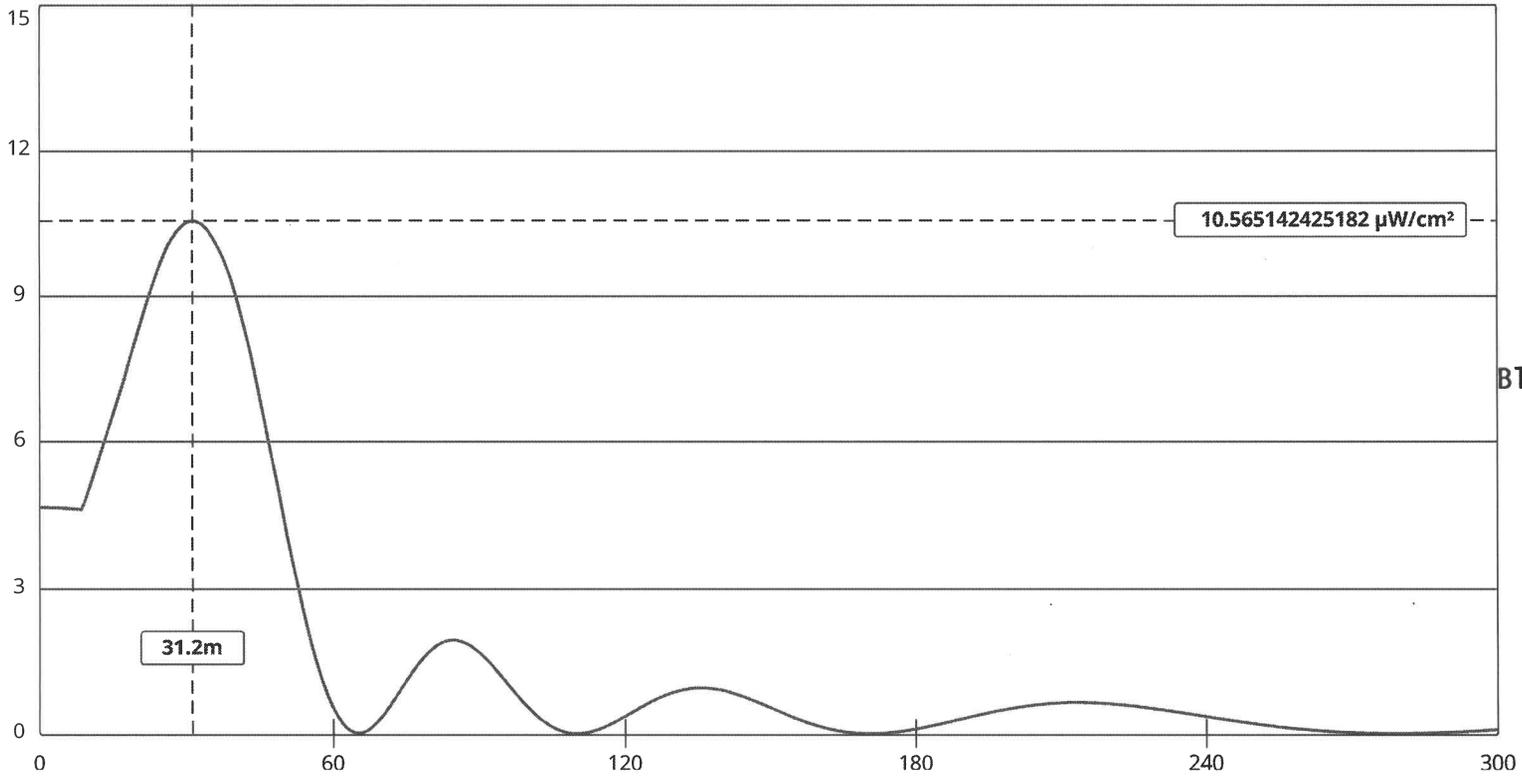


NONIONIZING RADIATION COMPLIANCE
(Page 1 of 4)
Blueberry Broadcasting, LLC
Rockland, ME

The proposed WMCM 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 $10.57 \mu\text{W}/\text{cm}^2$, 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 5.29% of the permitted level for uncontrolled exposure. WMCM will be sharing this antenna with WQSS and the tower will also support the antenna for W236DO. Attached are exhibits for the proposed WQSS and W236DO facilities produced by the FCC’s “FM Model” computer program. As shown by this data, both WQSS and W236DO are predicted to generate power densities below 5% of the permitted level at ground level and, as a result, can be excluded from consideration in this analysis. Since WMCM is predicted to generate only 5.29% of the permitted level for uncontrolled exposure at ground level, the implementation of the proposed facilities will not be predicted to result in power densities that are in excess of the permitted level for uncontrolled exposure in areas which are accessible to the general public.

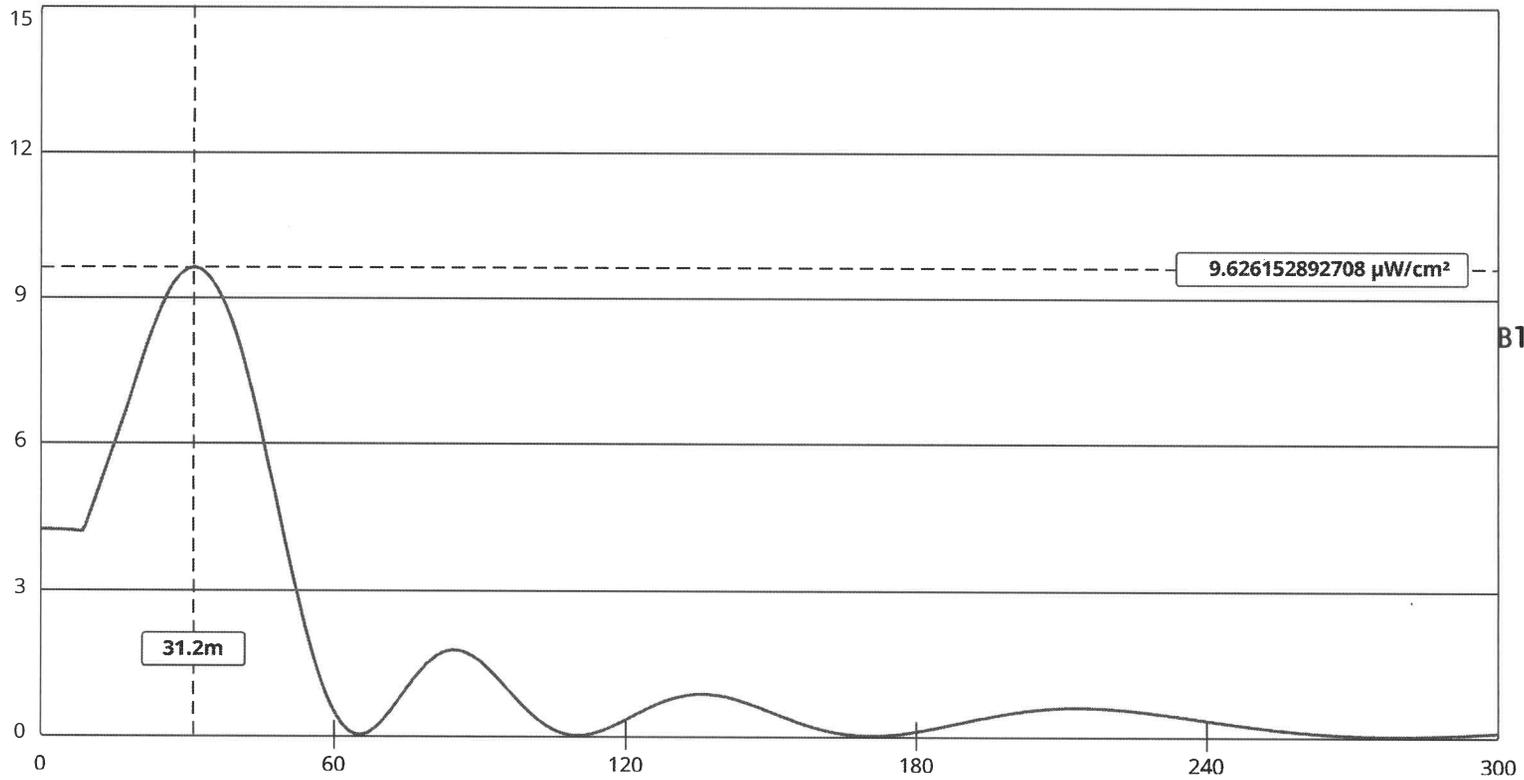
WMCM will also take appropriate steps to insure that workers that must be on this tower will not be exposed to levels of nonionizing radiation that are in excess of the permitted level for controlled exposure. These steps will include the cessation of operation or a reduction in power, as appropriate,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



**WCM POWER DENSITY
CALCULATIONS**
Blueberry Broadcasting, LLC.
Rockland, ME

View Tabular Results +

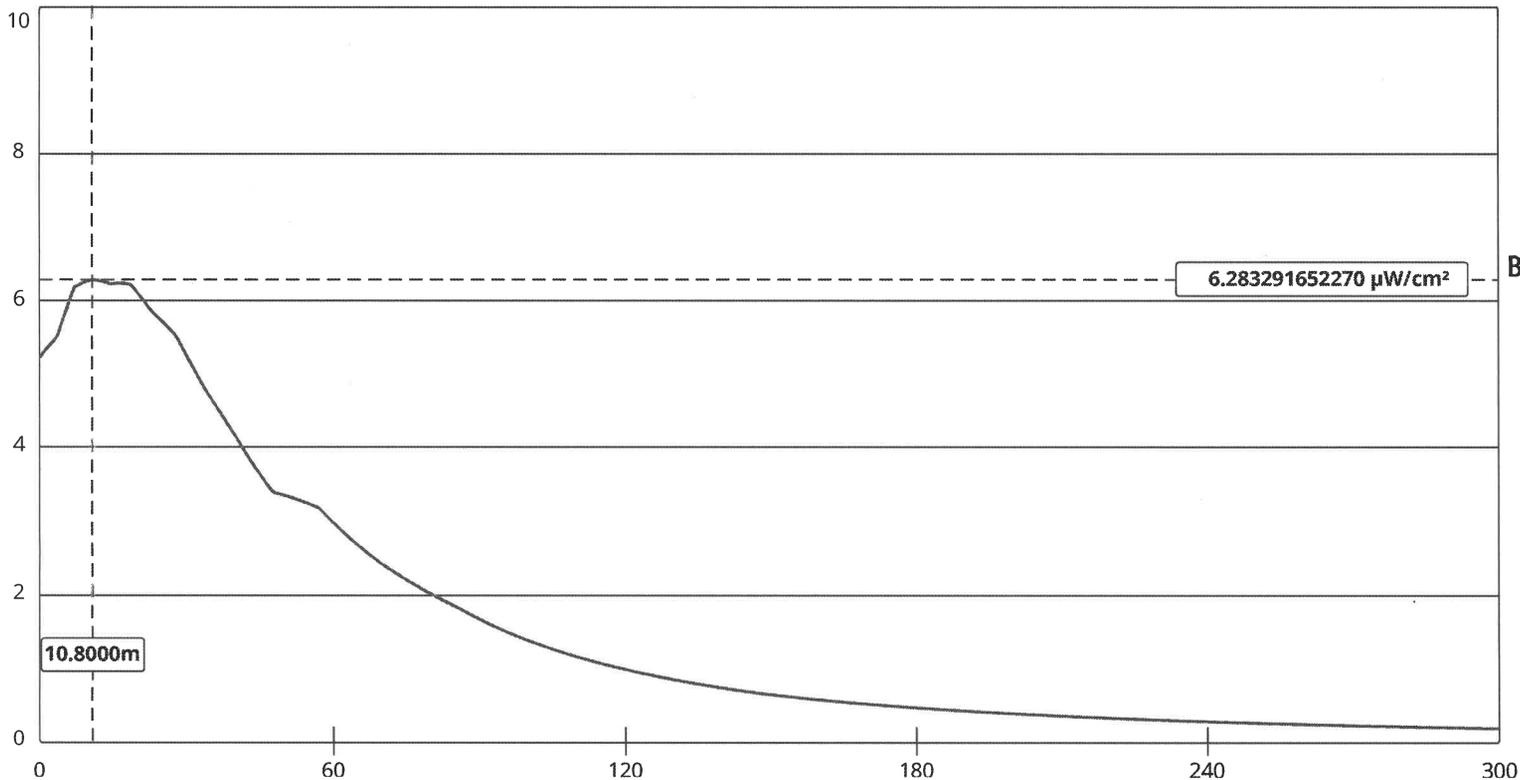
Channel Selection	Channel 277 (103.3 MHz) ▾		
Antenna Type +	EPA Type 3: Opposed U Dipole ▾		
Height (m)	100.6	Distance (m)	300
ERP-H (W)	22500	ERP-V (W)	22500
Num of Elements	6	Element Spacing (λ)	1
Num of Points	500	Apply	



**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	



**W236DO POWER DENSITY
CALCULATIONS**
Blueberry Broadcasting, LLC
Rockland, ME

[View Tabular Results +](#)

Channel Selection	Channel 236 (95.1 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	42	Distance (m)	300
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	1	Element Spacing (λ)	1
Num of Points	500	Apply	