

Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						within 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	Max. PD	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
W242AV (proposed)	88	Dipole (EPA)	1	0.250	0.250	1.3	0.1%	1.4	0.7%	23.2
WGBG	97	Dipole (EPA)	1	6.000	6.000	24.0	2.4%	26.7	13.4%	25.6
						24.0	2.5%	26.7	14.1%	25.6

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FMMModel

In the absence of specific antenna information, "Dipole (EPA)" is assumed ("worst case")