

Table 2

Radiofrequency Electromagnetic Exposure Analysis for WSGG (STA)

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				
						at 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)
WSGG	14	Dipole (EPA)*	1	0	0.023	3.8	0.4%	5.1	2.6%	2.8
						3.8	0.4%	5.1	2.6%	2.8

(proposed)

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 FM Model v2.10 Beta

*In the absence of specific antenna data, the Dipole (EPA) model is assumed (worst case).