

Table 2

## Radiofrequency Electromagnetic Exposure Analysis for WSGG

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)
<b>WSGG</b>	<b>14</b>	<b>Dipole (EPA)*</b>	<b>1</b>	<b>0.25</b>	<b>0.25</b>	<b>55.0</b>	<b>5.5%</b>	<b>69.9</b>	<b>35.0%</b>	<b>3.2</b>
						55.0	5.5%	69.9	35.0%	3.2

(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).