

## 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				
						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>PROPOSED</b>	<b>26</b>	<b>SHI 6812B-1</b>	<b>1</b>	<b>0.009</b>	<b>0.009</b>	<b>0.1</b>	<b>0.01%</b>	<b>0.22</b>	<b>0.11%</b>	<b>24.8</b>
						0.1	0.01%	0.22	0.11%	24.8

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