

## Radiofrequency Electromagnetic Exposure Analysis for WLTE

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>WLTE</b>	<b>79</b>	<b>Shively 6810-3</b>	<b>3</b>	<b>6.00</b>	<b>6.00</b>	<b>1.0</b>	<b>0.10%</b>	<b>6.4</b>	<b>3.2%</b>	<b>40.4</b>
						1.0	0.10%	6.4	3.2%	40.4

(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