

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) |
| Proposed | 61 | (EPA dipole - worst case) | 1 | 0.062 | 0.062 | 0.7 | 0.1% | 0.72 | 0.4% | 16 |
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(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
Worst case assumed, EPA dipole antenna