

Radiofrequency Electromagnetic Exposure Analysis for WNGA

| 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) |
| WNGA | 44 | SHIVELY 6810 | 1 | 3.10 | 3.10 | 4.8 | 0.48% | 26.0 | 13.0% | 44 |
| | | | | | | 4.8 | 0.48% | 26.0 | 13.0% | 44 |

(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