

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 | | | |
|---------------|------------------|----------------------------------|----------|------------------------|-------------------------|---|--|---|----------------------------------|
| | | | | | | Maximum power density | % controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$) | % uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$) | Distance to maximum PD (m) |
| W286BS | 76 | Dipole (EPA - worst case) | 1 | 0.000 | 0.250 | 2.3 | 0.2% | 1.2% | 13.6 |
| W296CF | 61 | Dipole (EPA - worst case) | 1 | 0.055 | 0.055 | 0.6 | 0.1% | 0.3% | 15.8 |
| | | | | | | 2.3 | 0.3% | 1.5% | 15.8 |

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).

Determined using FCC FM Model 2.10

In the absence of specific antenna information, the Dipole (EPA - worst case) situation was assumed.