

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			
						Max. PD	% 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)
K265DH	9	EPA dipole assumed	1	0.250	0.250	6.0	0.6%	3.0%	12
KAGG	38.9	EPA dipole assumed	2	1.000	1.000	20.5	2.1%	10.3%	7
KNFX-FM	46.6	EPA dipole assumed	4	6.000	6.000	6.6	0.7%	3.3%	37
						6.0	3.3%	16.6%	12

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 assuming "worst case" EPA dipole model antenna