

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				
						within 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)
WANK (proposed)	84	ERI LPX-2C	2	3.57	3.57	1.3000	0.13000%	5.1	2.6%	55.0
WWOF (APP)	144	ERI SPX-6E-HW	6	51.00	51.00	0.0001	0.00001%	1.9	1.0%	840.0
WQTL	144	SWR FMEC-2-DA	2	2.25	2.25	3.90	0.39%	4.5	2.3%	40.0
WANK	67	ERI LPX-2-HW	2	5.5	5.5	0.002	0.0002%	7.7	3.9%	140.0
Proposed (AUX)	79	Nicom BKG77-2	2	0.17	0.17	1.60	0.16%	1.7	0.9%	19.7
						3.90	0.68%	7.7	10.5%	840.0

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 FMModel