Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density μW/cm² at 2 meters AGL: at 10 meters distance	% controlled environment limit (1000	Max. PD	% uncontrolled environment limit (200	Distance to maximum PD (m)
W231BX (PROPOSED)	238	SHI 6812B-2	2	0.250	0.250	0.002	0.0002%	0.04	0.02%	156.0
WHZT	265	ERI-SHPX	7	100	100	2.90	0.29%	6.10	3.05%	76.8
WVGC (CP)	250	SWR-FM3-2	2	3.000	3.000	1.70	0.170%	1.94	0.97%	62.0
WGOG AUX (CP)	234	SHI 6812B-2	2	0.140	0.140	0.001	0.0001%	0.003	0.002%	154.0
						4.6	**0.46%**	8.08	**4.04%**	156.0

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 FM Model v2.10 Beta