

## 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)
W259CN Proposed	240	SWR-FMEC (Dipole EPA)	1	0.250	0.250	0.15	0.0%	0.18	0.1%	64.0
WMYQ	250	Dipole (EPA)	1	3.000	3.000	1.70	0.2%	2.00	1.0%	68.0
W231BX	250	Dipole (EPA)	1	0.250	0.250	0.14	0.0%	0.17	0.1%	67.0
WHZT	265	ERI-SHPX	7	100.000	100.000	2.90	0.3%	6.10	3.1%	76.8
W236CD(CP)	105	Dipole (EPA)	1	0.010	0.010	0.03	0.0%	0.04	0.0%	28.0
						2.9	0.5%	6.1	4.2%	76.8

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).

Calculations made using FCC FMModel

In the absence of specific antenna information, "Dipole (EPA)" is assumed ("worst case")