

## 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)
W242B2 Proposed	43	Dipole (EPA)	1	0.085	0.085	2.00	0.2%	2.00	1.0%	11.0
WRLB-FM1	24	Dipole (EPA)	1	0.190	0.190	16.00	1.6%	16.00	8.0%	6.0
W247BZ	20	Dipole (EPA)	1	0.000	0.250	25.60	2.6%	25.60	12.8%	4.2
WRON-FM	50	SWR-FMEC (Dipole EPA)	3	3.300	3.300	56.40	5.6%	56.40	28.2%	10.0
						56.4	<b>10.0%</b>	56.4	<b>50.0%</b>	11.0

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

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