

Radiofrequency Electromagnetic Exposure Analysis for W238BU

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				
						at 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)
WGMX	83	JAMPRO rototiller	6	50.0	50.0	19.0	1.9%	35.0	17.5%	26
W238BU	6	SHIVELY 6812B	1	0.090	0.090	42.0	4.2%	80.0	40.0%	4
						61.0	6.1%	115.0	57.5%	26

(proposed)

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