

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	(proposed)
W238BU	83	JAMPRO rototiller	6	0.250	0.250	0.09	0.0%	0.170	0.1%	26	(proposed)
						19.0	1.9%	35.0	17.5%	26	

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