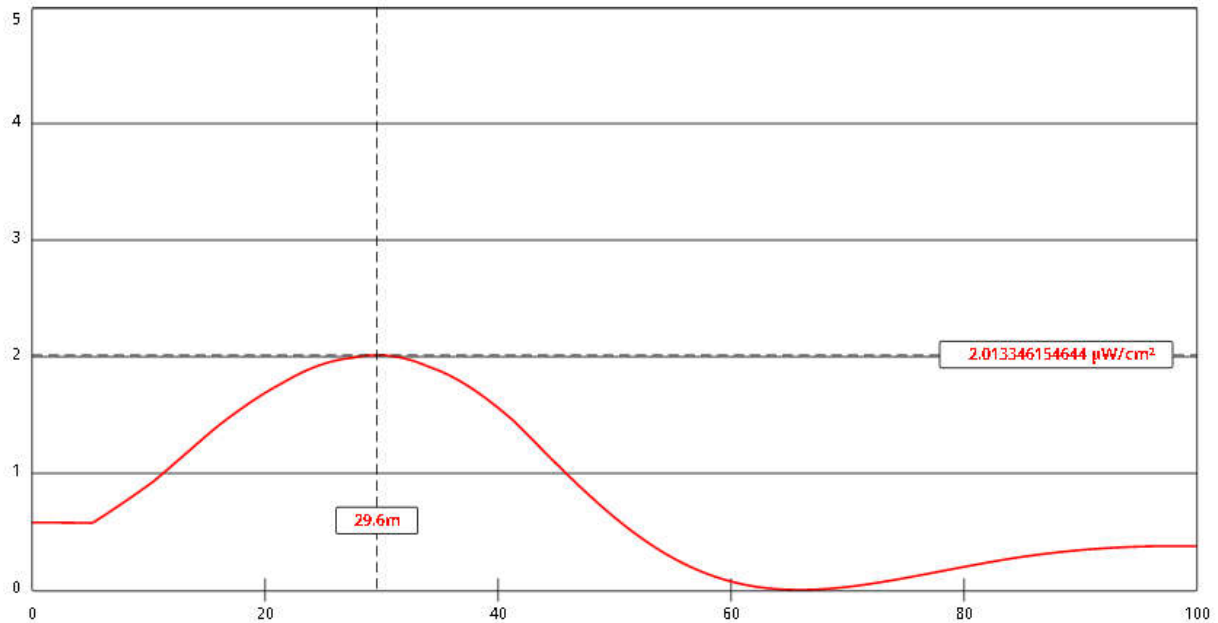


**KLWD, Gillette, WY FAC# 84184**  
**Power Density vs Distance**  
**April 13, 2021**



[View Tabular Results +](#)

Channel Selection	Channel 220 (91.9 MHz) ▼		
Antenna Type +	EPA Type 3: Opposed U Dipole ▼		
Height (m)	61	Distance (m)	100
ERP-H (W)	1000	ERP-V (W)	1000
Num of Elements	3	Element Spacing (λ)	1
Num of Points	500	<a href="#">Apply</a>	

USING A 3-ELEMENT ERI LPX-3E MODEL ANTENNA (TYPE 2 Opposed V Dipole) SPACED AT 1 WAVELENGTH, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 2.0 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 29.6 METERS FROM THE TOWER. THIS IS LESS THAN 5% OF THE LIMIT FOR GENERAL PUBLIC EXPOSURE; HENCE, NO OTHER ANALYSIS IS REQUIRED. PLEASE REFER TO THE ATTACHED POWER DENSITY VS DISTANCE GRAPH.