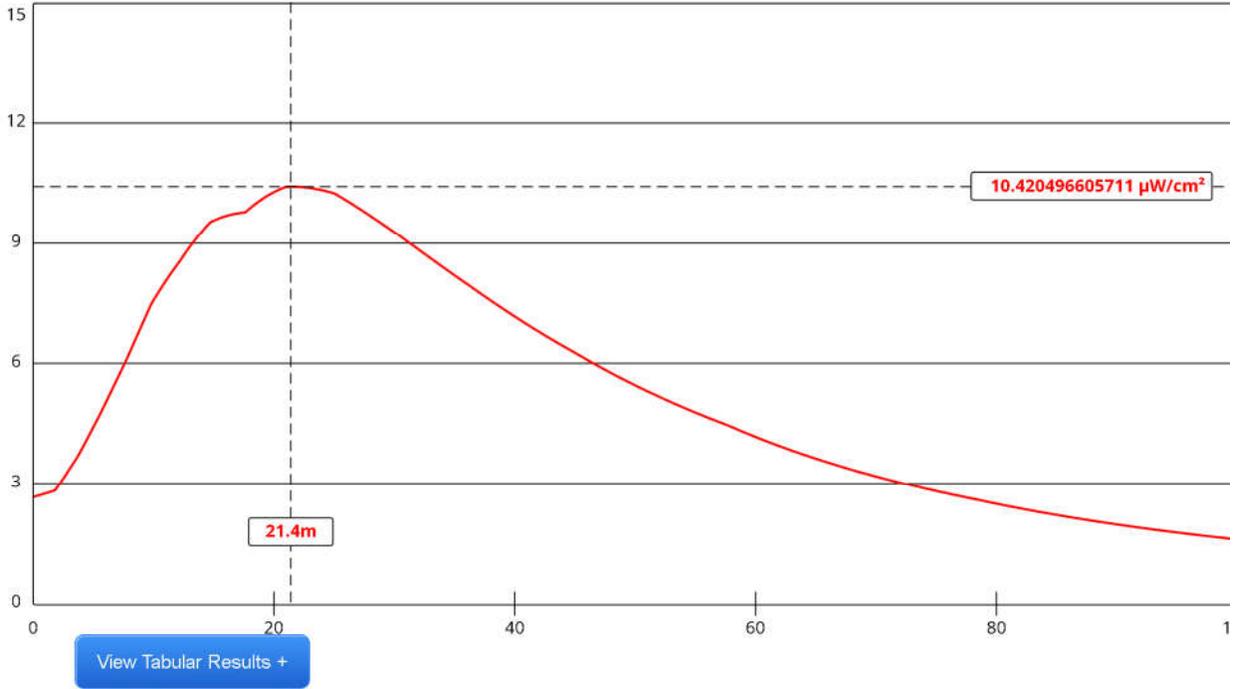


**Power Density VS Distance**  
**K215EG, Gallup, NM FAC# 85731**  
**November 7, 2023**



Channel Selection	Channel 209 (89.7 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	23	Distance (m)	100
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT, TFC2K, EPA TYPE 2 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 10.4 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 21.4 METERS FROM THE TOWER. THIS REPRESENTS 5.2% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL POPULATION EXPOSURE SO THIS PROPOSAL IS THEREFORE, COMPLIANT WITH THE GUIDELINES FOR HUMAN EXPOSURE AS SPECIFIED IN OET BULLETIN NO. 65, EDITION 97-01, AUGUST 1997. PLEASE REFER TO THE ATTACHED POWER DENSITY VS DISTANCE GRAPH.