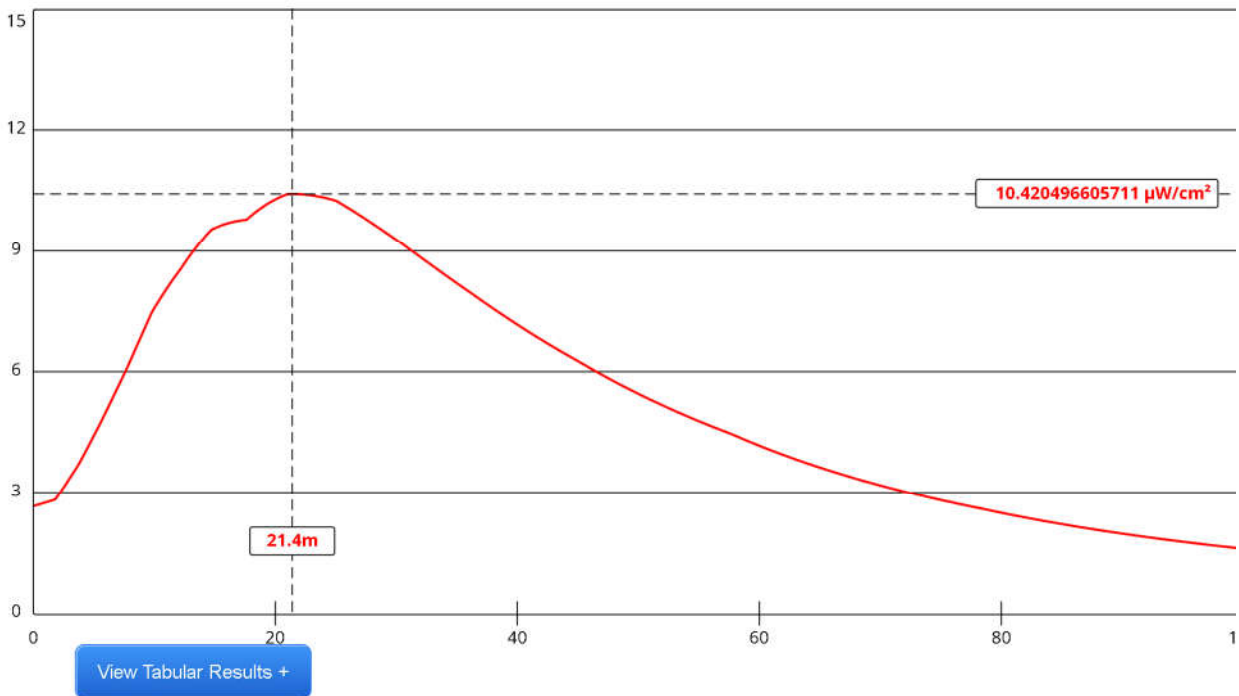


Power Density VS Distance
K215EG, Gallup, NM FAC# 85731
November 7, 2023



Channel Selection	Channel 209 (89.7 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="23"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="250"/>	ERP-V (W)	<input type="text" value="250"/>
Num of Elements	<input type="text" value="1"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="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 MICROWATTS 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.