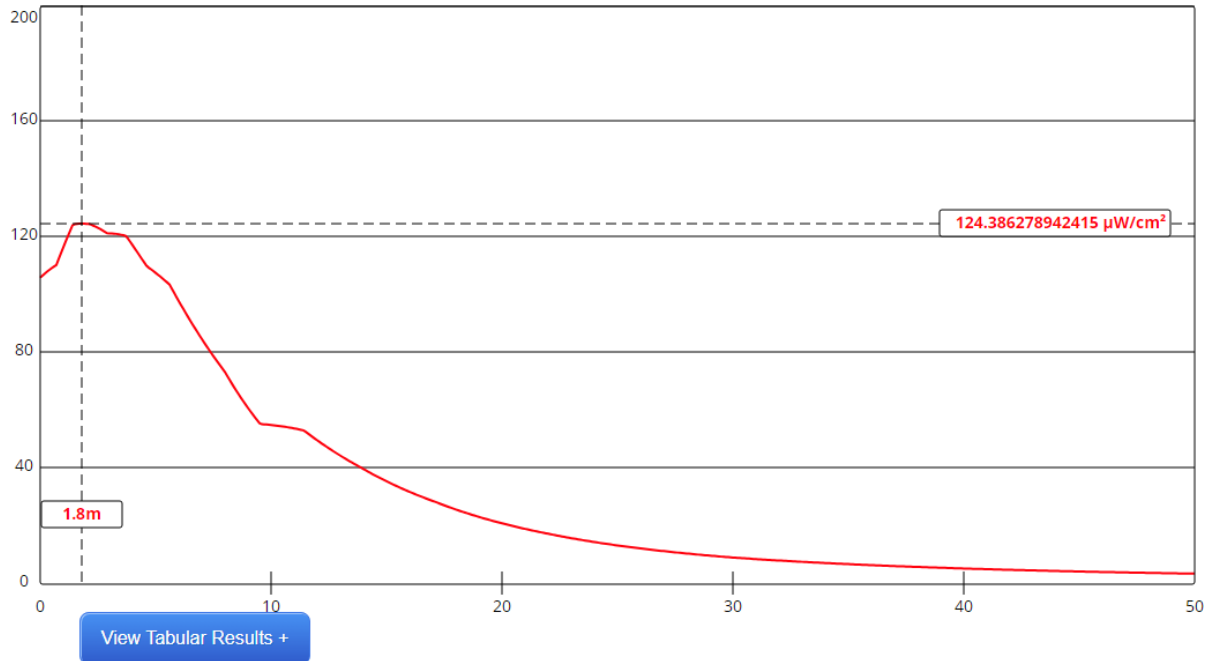


**Power Density VS Distance**  
**K213FF, Prescott, AZ FAC# 144993**  
**August 30, 2023**



Channel Selection	Channel 213 (90.5 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="10"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text"/>	ERP-V (W)	<input type="text" value="250"/>
Num of Elements	<input type="text" value="1"/>	$\lambda$	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

USING A SINGLE ELEMENT SCALA FMV , EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 124.4 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.8 METERS FROM THE TOWER. THIS REPRESENTS LESS THAN 62.2% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL POPULATION EXPOSURE; HENCE, THIS APPLICATION IS 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.