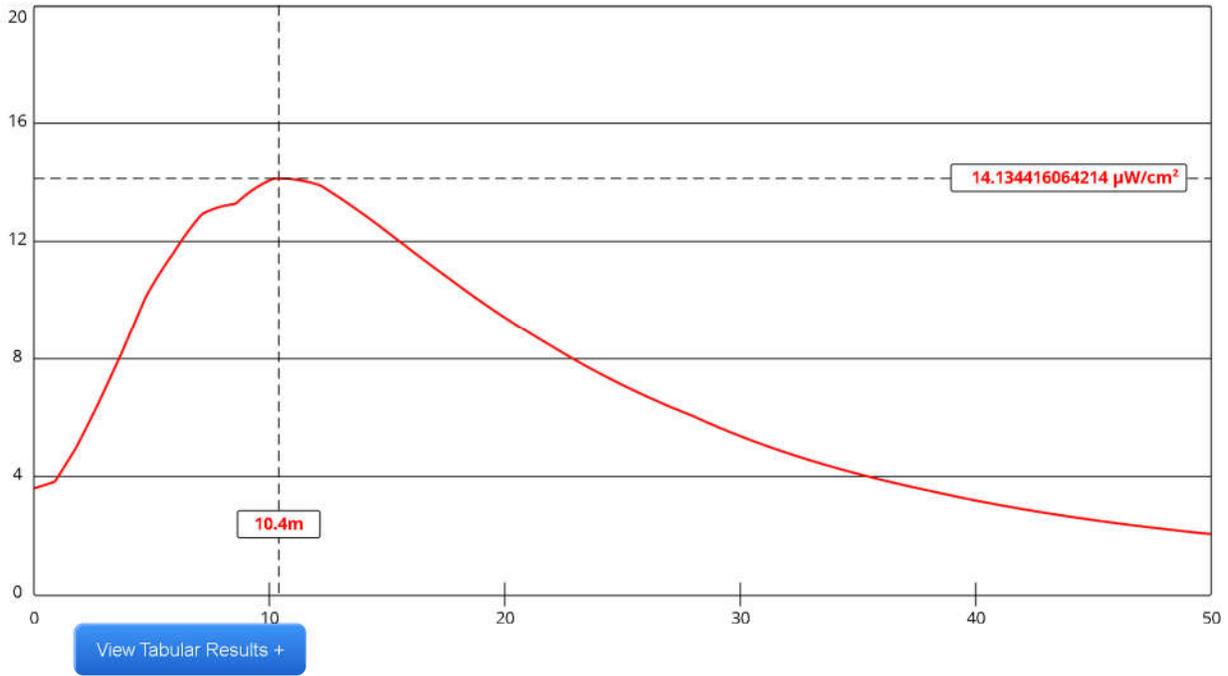


Power Density VS Distance
KNEF, Franklin, NE FAC# 177070
October 10, 2023



Channel Selection	Channel 211 (90.1 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="12.2"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text" value="80"/>	ERP-V (W)	<input type="text" value="80"/>
Num of Elements	<input type="text" value="1"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

USING A SINGLE ELEMENT, BEXT TFC2K, EPA TYPE 2 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 14.1 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 10.4 METERS FROM THE TOWER. THIS REPRESENTS LESS THAN 7.1% 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.