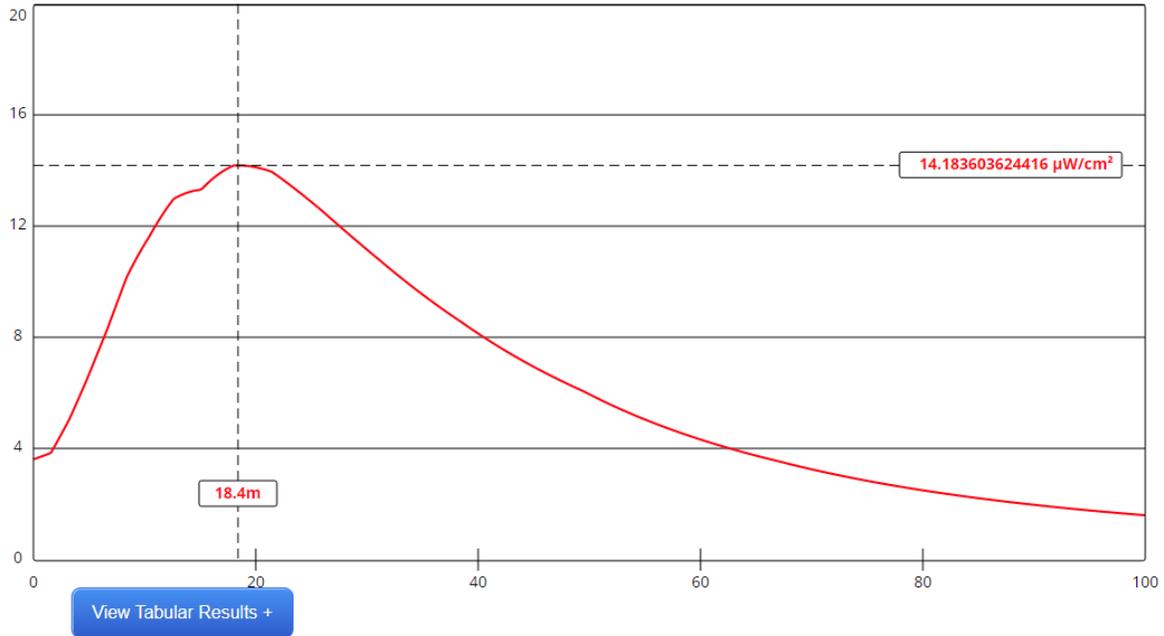


Power Density VS Distance
W280GB, Escanaba, MI FAC# 144567
May 26, 2023



Channel Selection	Channel 280 (103.9 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="20"/>	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"/>	<input type="button" value="Apply"/>	

USING A NICOM BKG77, EPA TYPE 2 ANTENNA , FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 14.2 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 18.4 METERS FROM THE TOWER. THIS REPRESENTS 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.