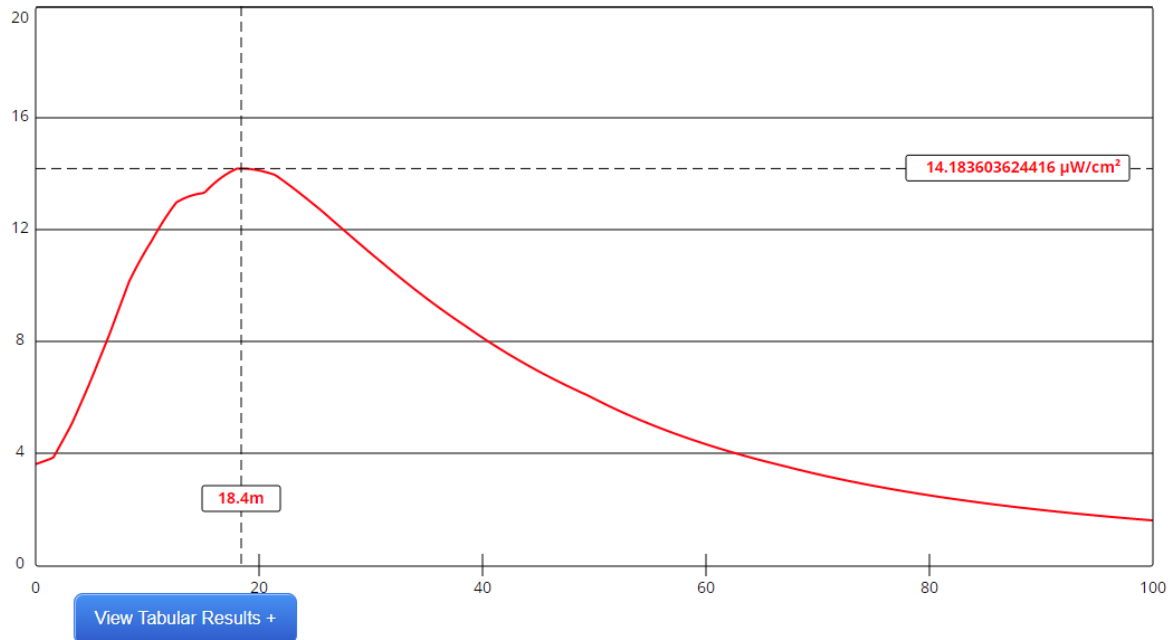


**Power Density VS Distance**  
**W280GB, Escanaba, MI FAC# 144567**  
**May 26, 2023**



Channel Selection	Channel 280 (103.9 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	20	Distance (m)	100
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	1	λ	1
Num of Points	500	<a href="#">Apply</a>	

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.