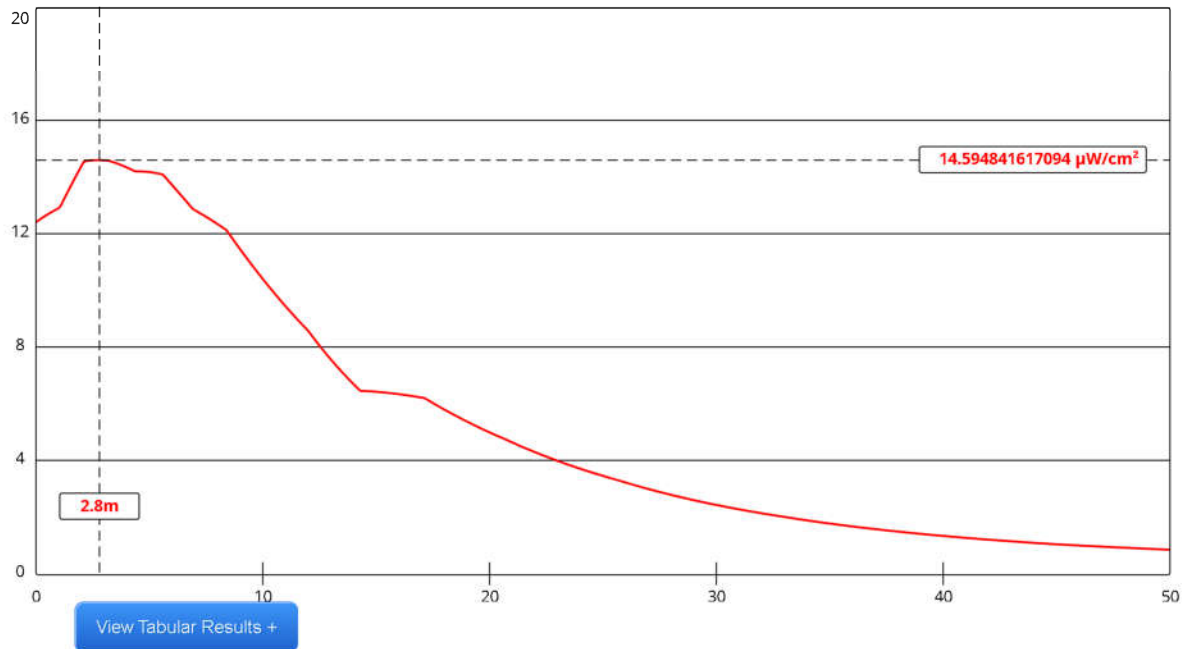


Power Density VS Distance
K272AY, Crescent City, CA FAC# 71987
February 8, 2024



Channel Selection	Channel 272 (102.3 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	<input type="text" value="14"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text"/>	ERP-V (W)	<input type="text" value="66"/>
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 SCA CA2(V) , EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 14.6 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 2.8 METERS FROM THE TOWER. THIS REPRESENTS 9.2% 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.