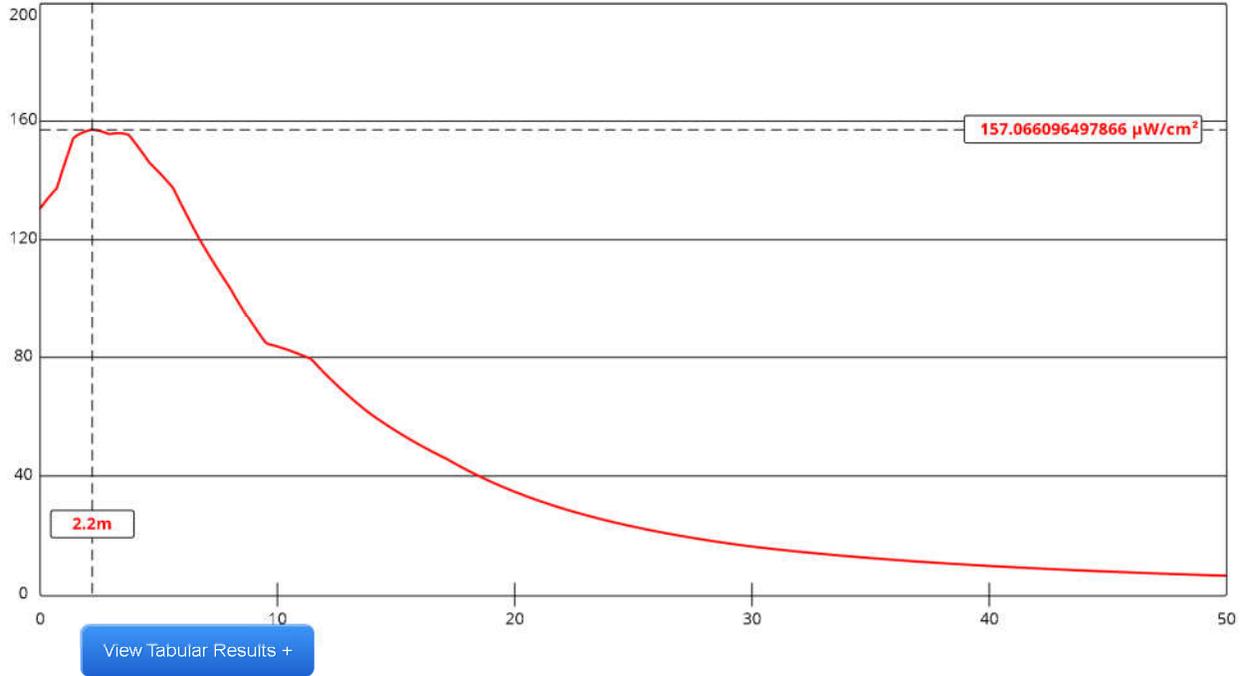


Power Density VS Distance
K288DR, Desert Hot Springs, CA FAC# 72006
May 19, 2023



Channel Selection	Channel 289 (105.7 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" 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 SCALA 2-CA2-CP COMPOSITE , EPA TYPE 1, "OTHER" ANTENNA , FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 157.1 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 2.2 METERS FROM THE TOWER. THIS REPRESENTS 78.6% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERA 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. THE TRANSMIT TOWER IS LOCATED ON THE REMOTE DESERT ELECTRONIC SITE WHICH IS NOT ACCESSIBLE TO THE GENERAL POPULATION. WARNING SIGNS ARE APPROPRIATELY POSTED AT THE TRANSMIT SITE.