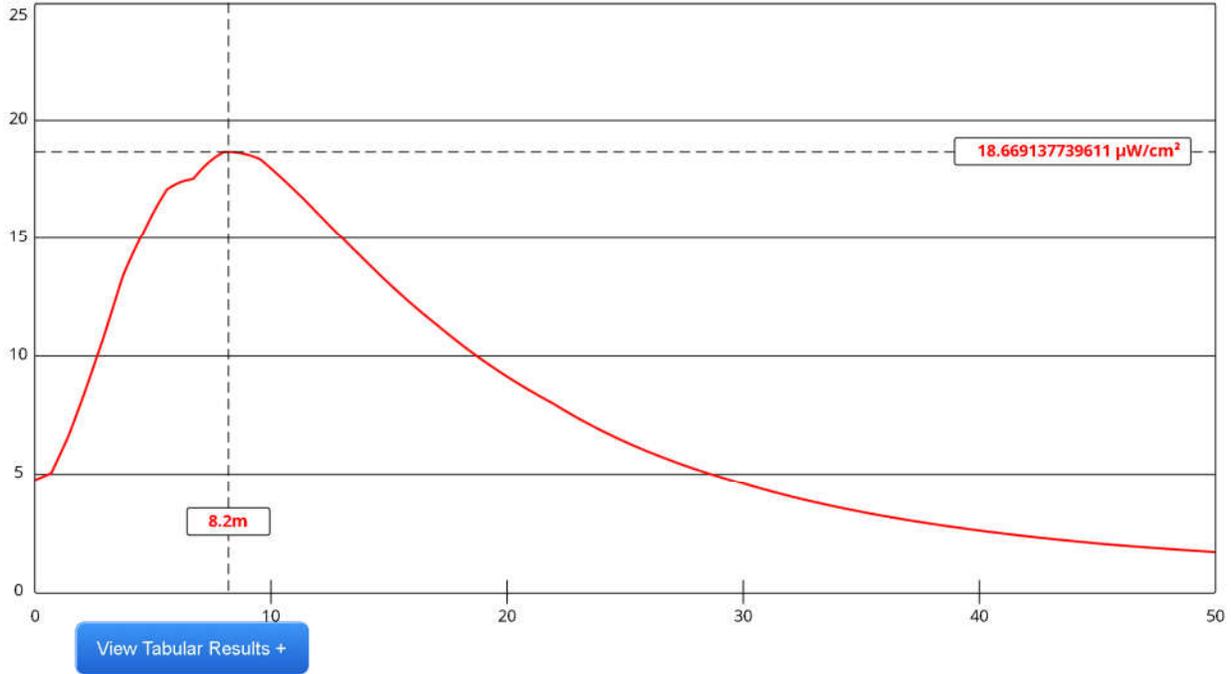


Power Density VS Distance
K288DR, Palm Springs, CA FAC# 72006
July 18 2023



Channel Selection	Channel 289 (105.7 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="10"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text" value="65"/>	ERP-V (W)	<input type="text" value="65"/>
Num of Elements	<input type="text" value="1"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	Apply	

USING A SINGLE BAY, BEXT TFC2K, EPA TYPE 2 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 18.7 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 8.2 METERS FROM THE TOWER. THIS REPRESENTS LESS THAN 9.4% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL POPULATION EXPOSURE, SO THIS PROPOSAL 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.