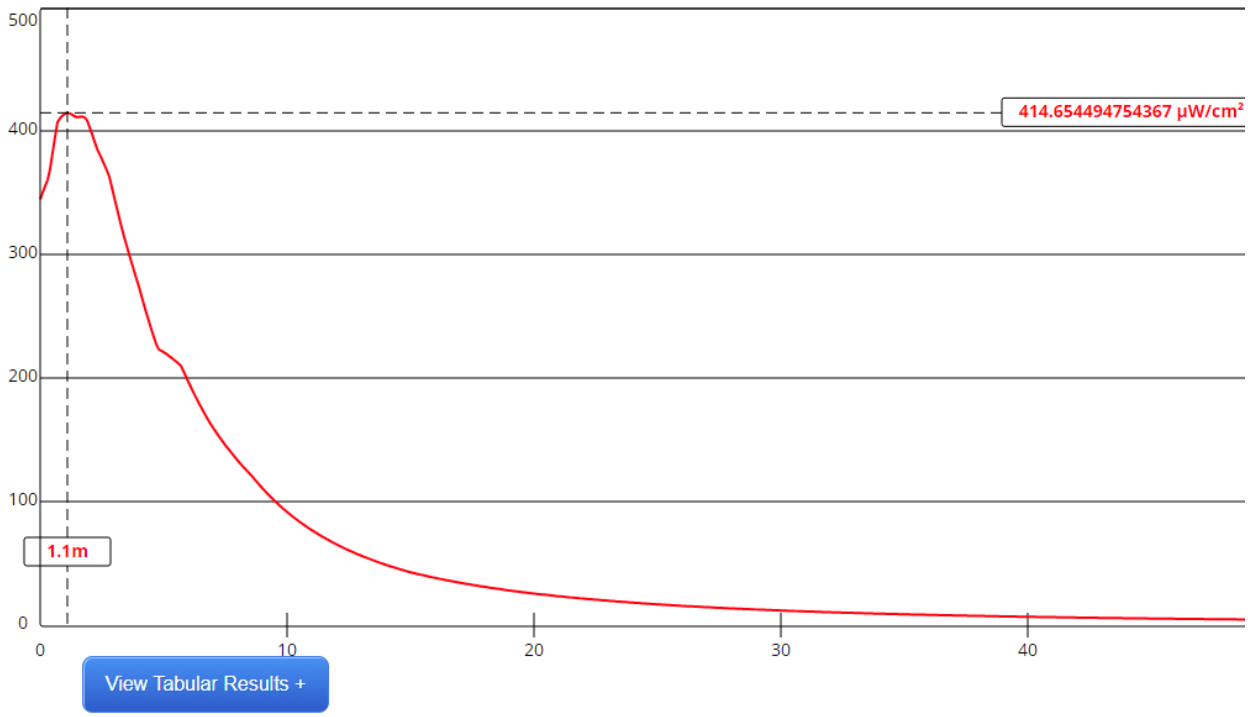
Power Density VS Distance
K217AW, Yuma, AZ FAC# 67807
August 26, 2023



Channel Selection	Channel 278 (103.5 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	6	Distance (m)	50
ERP-H (W)	165	ERP-V (W)	165
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT SCALA HDCA-10(CP) , EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 414.7 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.1 METERS FROM THE TOWER. THIS REPRESENTS 41.5% OF THE 1,000 MICROWATS PER SQUARE CM LIMIT FOR OCCUPATIONAL EXPOSURE; HENCE, THIS APPLICATION IS COMPLIANT WITH THE GUIDELINES FOR HUMAN EXPOSURE AS SPECIFIED IN OET BULLETIN NO. 65, EDITION 97-01, AUGUST 1997. THE TRANSMIT TOWER IS LOCATED ON A REMOTE MOUNTAIN TOP TRANSMIT SITE WHICH IS NOT ACCESSIBLE TO THE GENERAL POPULATION. PLEASE REFER TO THE ATTACHED POWER DENSITY VS DISTANCE GRAPH.