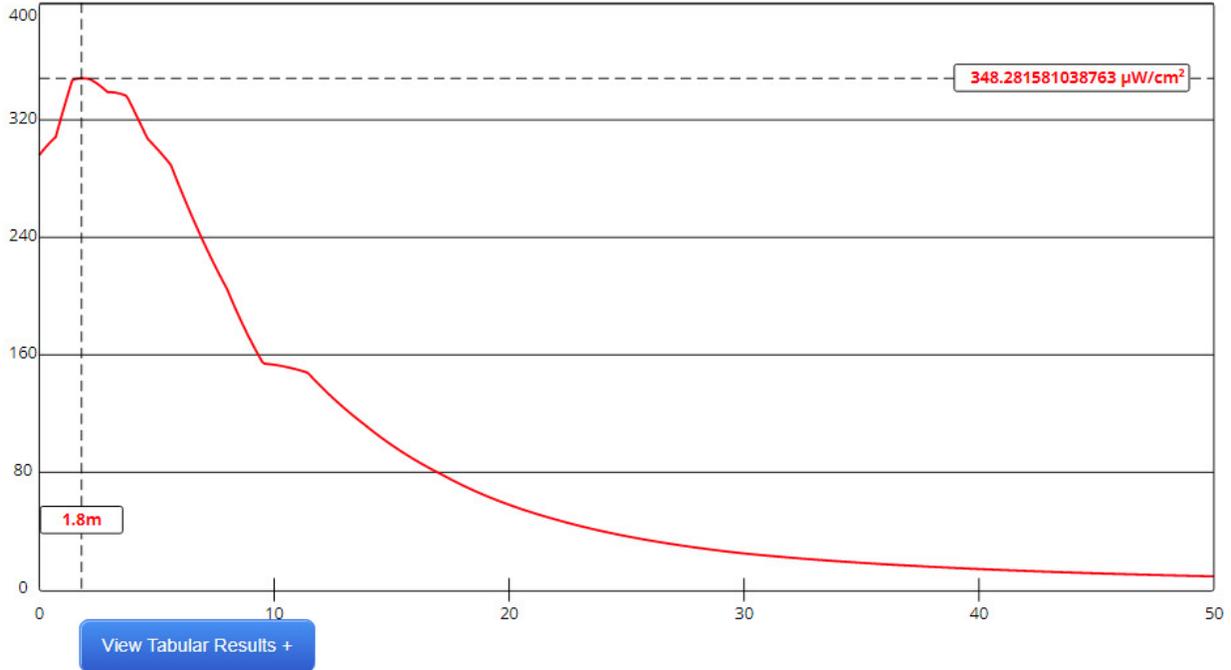


Power Density VS Distance
Proposed KMUR (AUX), Bullhead City, AZ FAC# 173675
April 19, 2023



Channel Selection	Channel 202 (88.3 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	10	Distance (m)	50
ERP-H (W)		ERP-V (W)	700
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SCALA CL-FMRX, EPA TYPE 1, "OTHER" ANTENNA , FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 348.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.8 METERS FROM THE TOWER. THIS REPRESENTS 34.8% OF THE 1000 MICROWATS PER SQUARE CM LIMIT FOR CONTROLLED 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 MOUNTAIN TOP, CROSSMAN PEAK ELECTRONIC SITE WHICH IS NOT ACCESSIBLE TO THE GENERAL POPULATION. WARNING SIGNS ARE APPROPRIATELY POSTED AT THE TRANSMIT SITE.