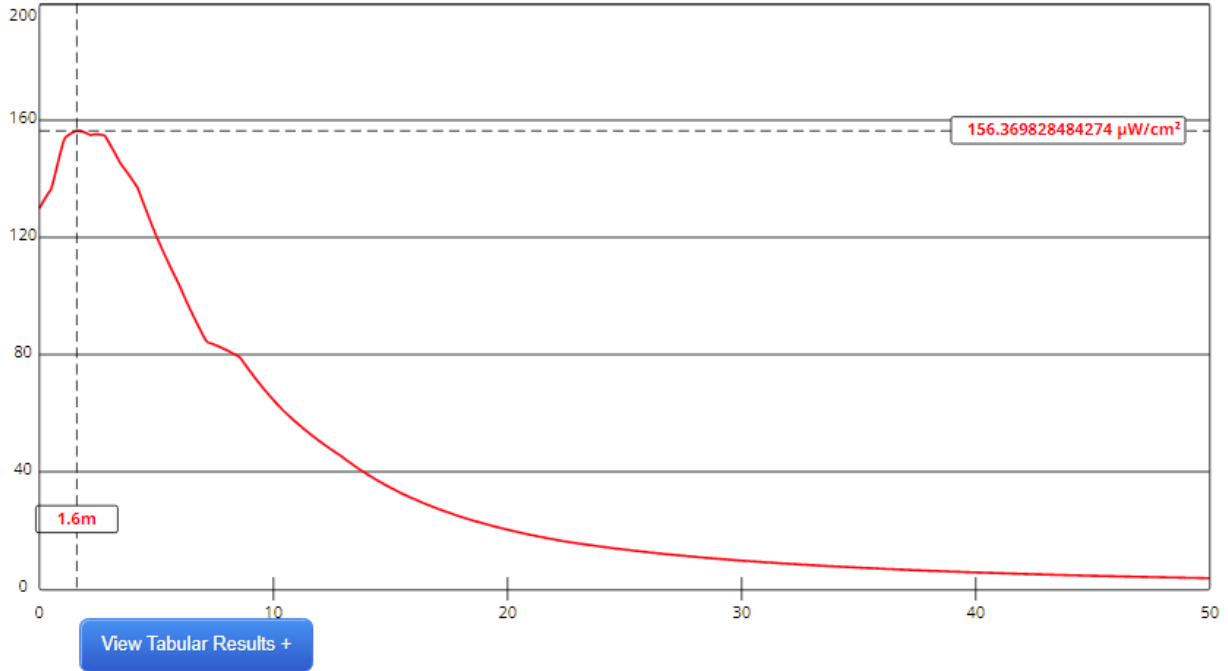


Power Density VS Distance
K220KF, Wickenburg, AZ FAC# 143311
June 19, 2023



Channel Selection	Channel 210 (89.9 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	8	Distance (m)	50
ERP-H (W)	140	ERP-V (W)	140
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A NICOM BKG88, EPA TYPE 1 RINGSTUB ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 156.4 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.6 METERS FROM THE TOWER. THIS REPRESENTS 78.2% 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.