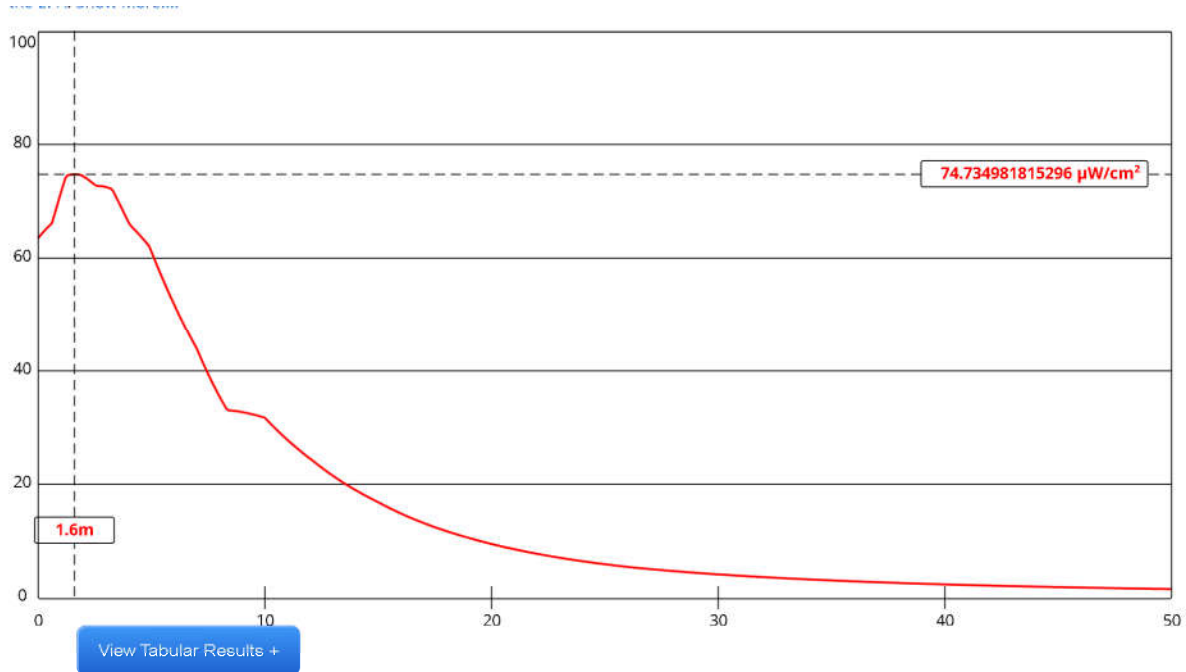


Power Density VS Distance
K216FU, Island City, OR FAC# 92615
November 14, 2023



Channel Selection	Channel 219 (91.7 MHz) ▾		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▾		
Height (m)	9	Distance (m)	50
ERP-H (W)		ERP-V (W)	115
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT, TELEWAVE ANT90D, EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 74.7 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.6 METERS FROM THE TOWER. THIS REPRESENTS 37.4% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL 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.