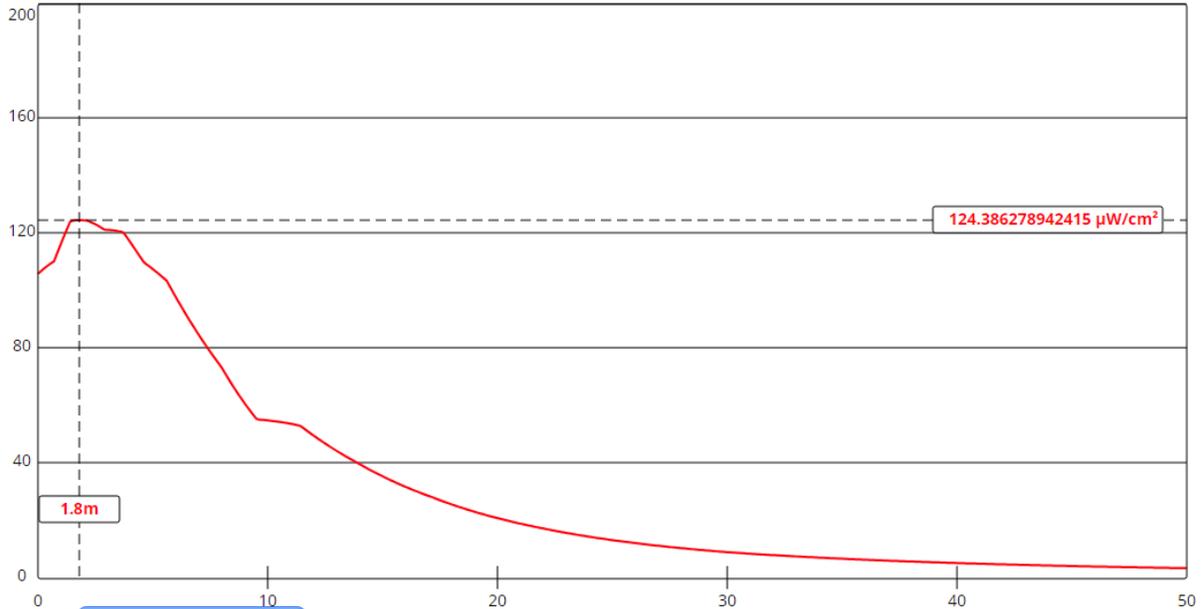


Power Density VS Distance
K213FF, Prescott, AZ FAC# 144993
August 30, 2023



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Channel Selection	Channel 213 (90.5 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	10	Distance (m)	50
ERP-H (W)		ERP-V (W)	250
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT SCALA FMV , EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 124.4 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.8 METERS FROM THE TOWER. THIS REPRESENTS LESS THAN 62.2% 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.