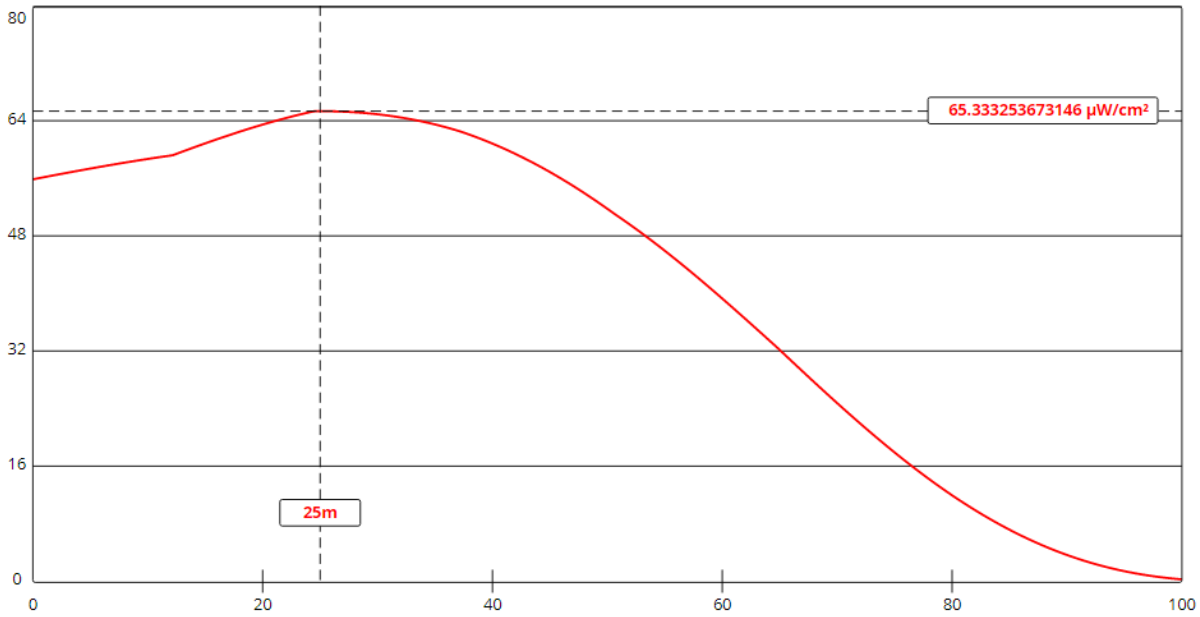
KKMT, Ronan, MT FAC# 2205
Power Density vs Distance
9/1/2021



View Tabular Results +

Channel Selection	Channel 222 (92.3 MHz)		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other"		
Height (m)	141	Distance (m)	100
ERP-H (W)	60000	ERP-V (W)	25714
Num of Elements	5	Element Spacing (λ)	1
Num of Points	500	Apply	

THIS PROPOSAL SPECIFIES A 5 ELEMENT SHIVELY 6810-5 ANTENNA AT FULL WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 65.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 25 METERS FROM THE TOWER. THIS IS LESS THAN 32.6% OF THE 200 MICROWATT PER SQUARE CENTIMETER LIMIT FOR GENERAL PUBLIC 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 ABOVE POWER DENSITY VS DISTANCE GRAPH.