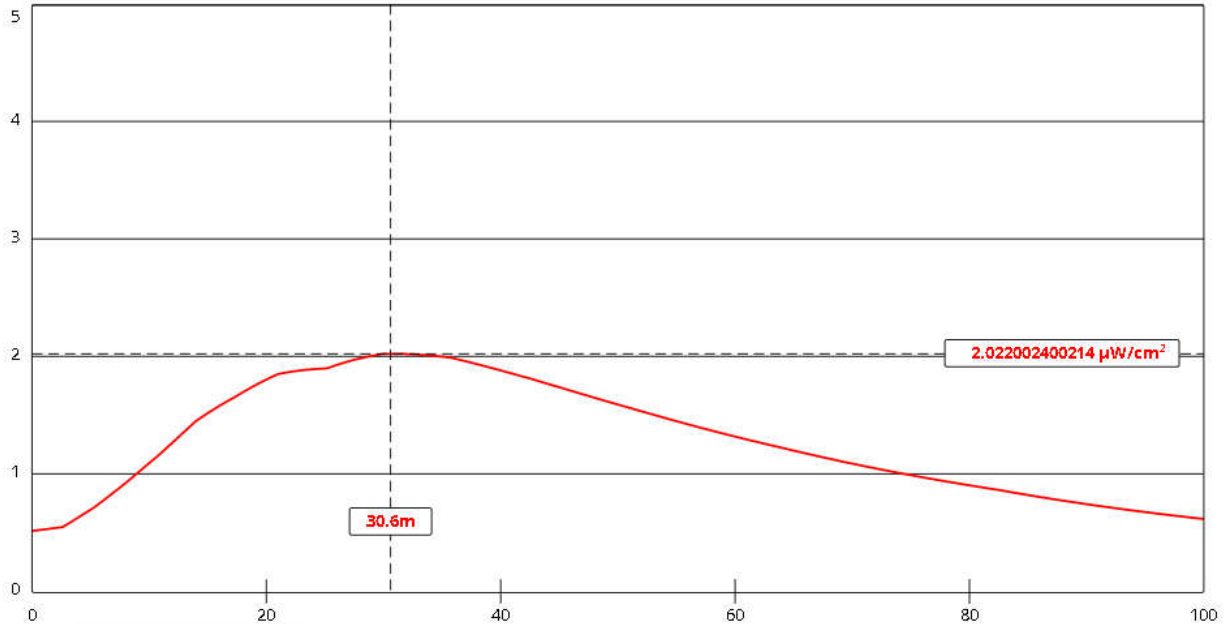


Power Density vs Distance
Proposed NEW Class D, Ketchikan, AK
5/5/2022



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Channel Selection	Channel 206 (89.1 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	32	Distance (m)	100
ERP-H (W)	99	ERP-V (W)	99
Num of Elements	1	Element Spacing (?)	1
Num of Points	500	Apply	

THIS PROPOSAL SPECIFIES A 1-ELEMENT BEST TFC2K, EPA TYPE 2 ANTENNA. FMMODEL PREDICTS A MAXIMUM POWER DENSITY OF 2.0 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 30.6 METERS FROM THE TOWER. THIS IS LESS THAN 1.0% OF THE LIMIT FOR GENERAL PUBLIC EXPOSURE; HENCE, THIS APPLICATION IS CATEGORICALLY EXCLUDED FROM ANY FURTHER RF ANALYSIS. THIS APPLICATION IS THEREFORE 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.