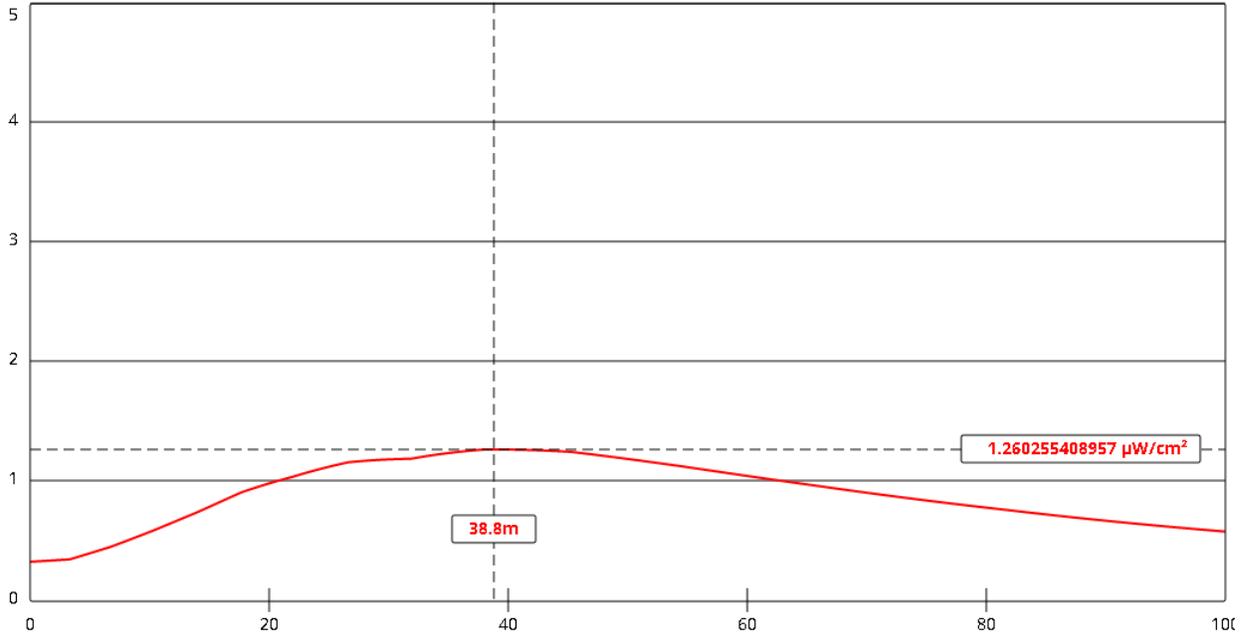


Power Density vs Distance
Proposed NEW Class D, Fairbanks, AK FAC# 775588
January 19, 2023



[View Tabular Results +](#)

Channel Selection	Channel 236 (95.1 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="40"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="99"/>	ERP-V (W)	<input type="text" value="99"/>
Num of Elements	<input type="text" value="1"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

USING A BEXT TFC2K EPA TYPE 2 ANTENNA, FMMODEL PREDICTS A MAXIMUM POWER DENSITY OF 1.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 38.8 METERS FROM THE TOWER. THIS IS LESS THAN 3.4% 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.