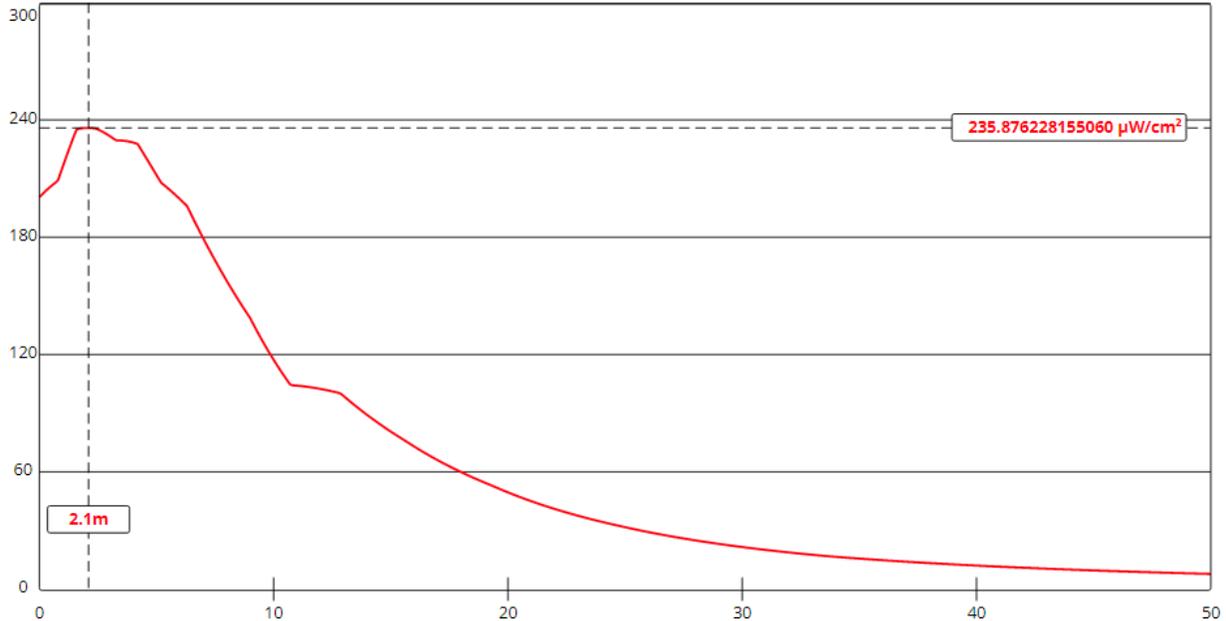


Power Density VS Distance
Proposed KJJJ AUX, Laughlin, NV FAC# 63410
January 2, 2023



[View Tabular Results +](#)

Channel Selection	Channel 272 (102.3 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="11"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text" value="0"/>	ERP-V (W)	<input type="text" value="600"/>
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 SCALA CL-FMRX-2, EPA TYPE 1, "OTHER" ANTENNA , FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 235.9 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 2.1 METERS FROM THE TOWER. THIS REPRESENTS 23.6% OF THE 1000 MICROWATS PER SQUARE CM LIMIT FOR CONTROLLED 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. THE TRANSMIT TOWER IS LOCATED ON THE REMOTE MOUNTAIN TOP, CROSSMAN PEAK ELECTRONIC SITE. WARNING SIGNS ARE APPROPRIATELY POSTED AT THE TRANSMIT SITE.