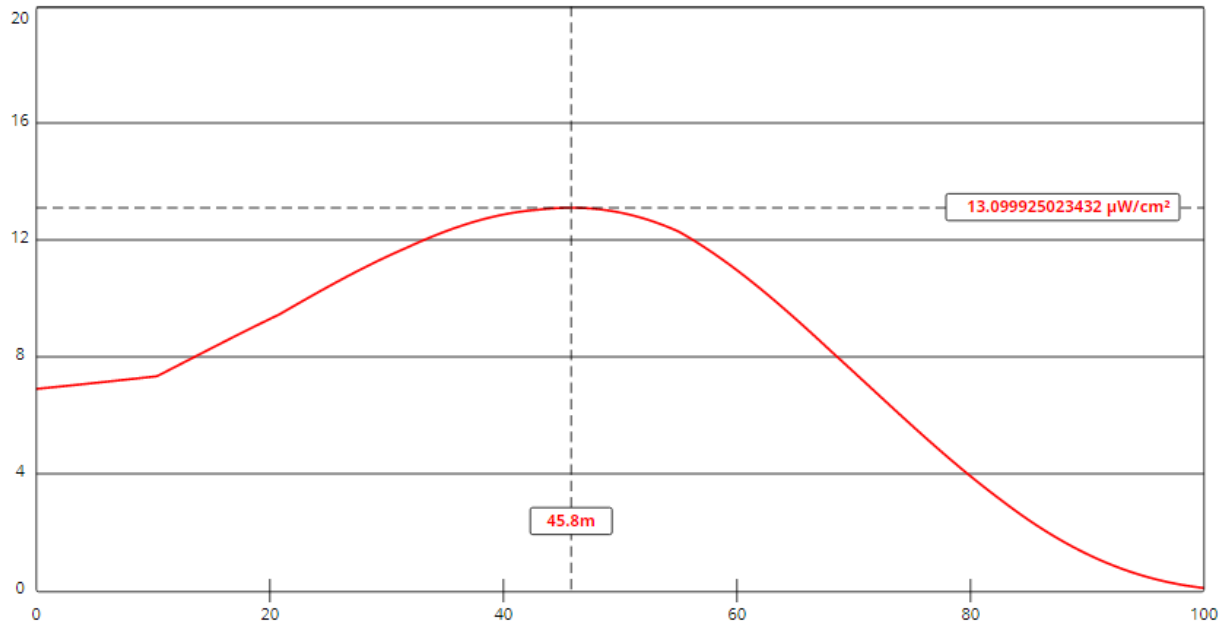


Rf Compliance
KWYC, Cheyenne, WY FAC# 87267
May 21, 2021

Power Density vs Distance



[View Tabular Results +](#)

Channel Selection	Channel 212 (90.3 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	<input type="text" value="120"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="20500"/>	ERP-V (W)	<input type="text" value="20500"/>
Num of Elements	<input type="text" value="4"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

USING A 4-ELEMENT, JAMPRO, MODEL JMPC-4, DOUBLE V, EPA TYPE 2 ANTENNA, SPACED AT 1.0 WAVELENGTH. FMMODEL PREDICTS A MAXIMUM POWER DENSITY OF 13.1 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 45.8 METERS FROM THE TOWER. THIS REPRESENTS 22.9% 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 ATTACHED POWER DENSITY VS DISTANCE GRAPH.