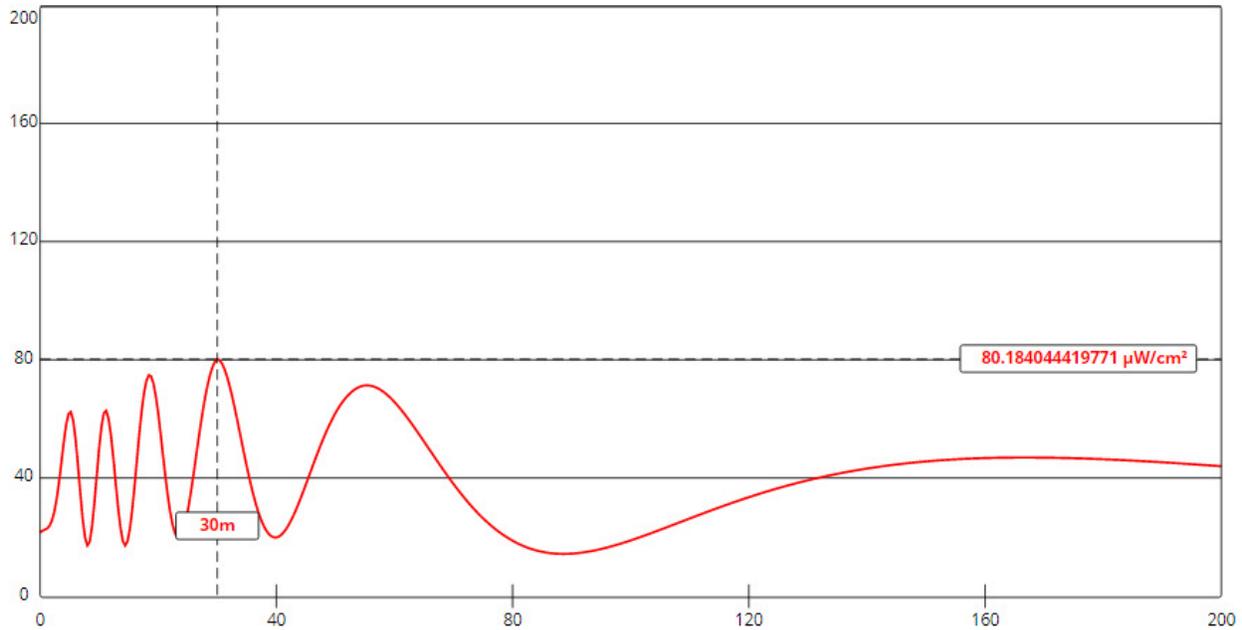


**Power Density vs Distance Graph**  
**KCNU, Silver City, ID (FIN: 198794)**  
**5/20/2021**



[View Tabular Results +](#)

Channel Selection	Channel 280 (103.9 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="16"/>	Distance (m)	<input type="text" value="200"/>
ERP-H (W)	<input type="text" value="100000"/>	ERP-V (W)	<input type="text" value="0"/>
Num of Elements	<input type="text" value="12"/>	Element Spacing (λ)	<input type="text" value=".5"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

THIS PROPOSAL SPECIFIES AN 12 ELEMENT SHI 6600-12, HORIZONTALLY POLARIZED ANTENNA AT 1/2 WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 80.2 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 30 METERS FROM THE TOWER. THIS IS LESS THAN 40.1% 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.

FURTHERMORE, PUBLIC ACCESS IS RESTRICTED AT THIS REMOTE MAHOGANY MOUNTAIN COMMUNICATION SITE. THE TOWER FENCED AND RF WARNING SIGNS ARE POSTED.