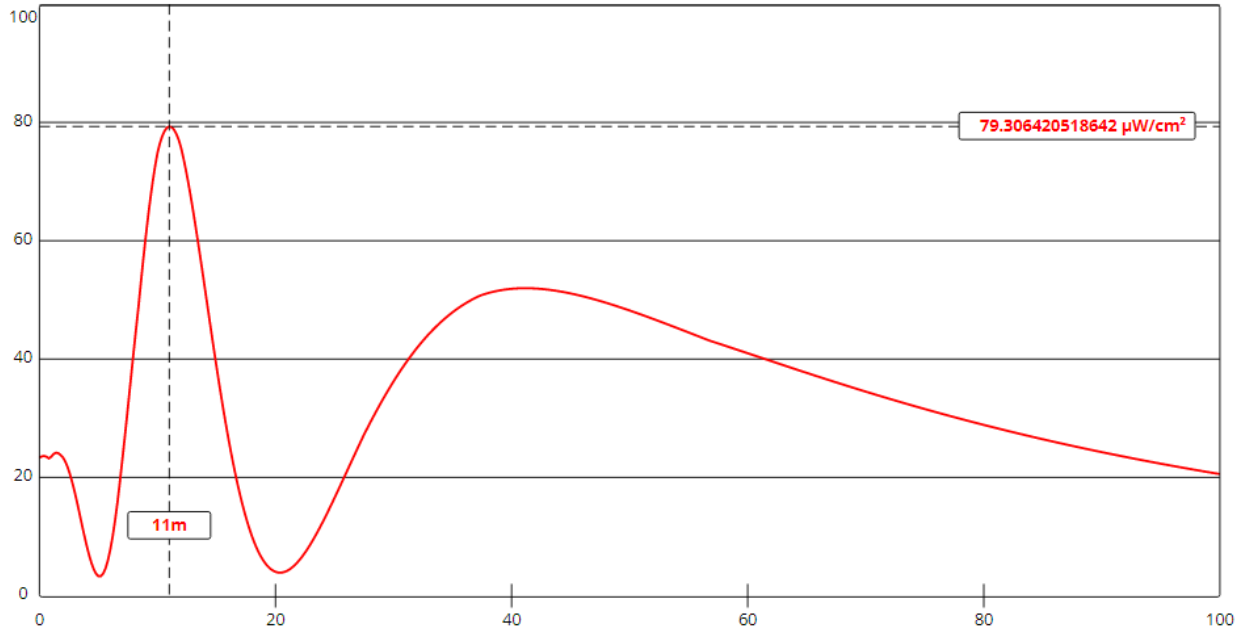


Proposed KWFH, Parker, AZ FAC# 16762
Power Distance vs Distance
October 3, 2021



[View Tabular Results +](#)

Channel Selection	Channel 212 (90.3 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	<input type="text" value="12"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="3500"/>	ERP-V (W)	<input type="text" value="3500"/>
Num of Elements	<input type="text" value="3"/>	Element Spacing (λ)	<input type="text" value=".75"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

THIS PROPOSAL SPECIFIES A 3 ELEMENT PSI FML-3-DA, EPA TYPE 2, DIRECTIONAL ANTENNA AT .75 WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 79.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 11 METERS FROM THE TOWER. THIS IS LESS THAN 39.7% 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.