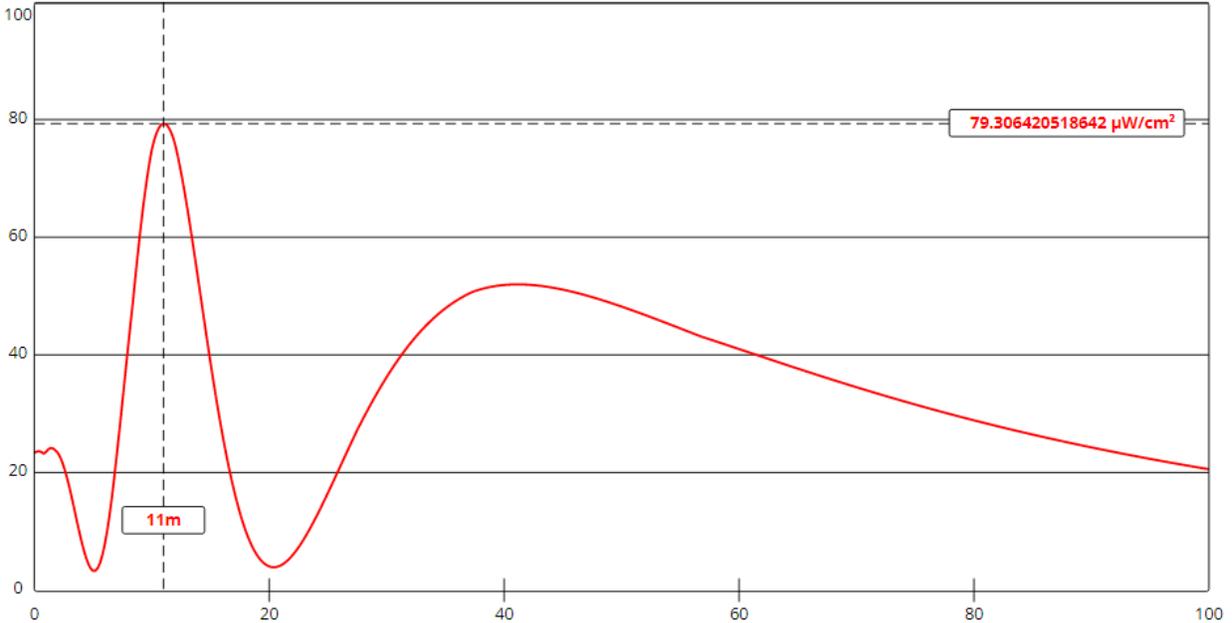


Proposed KWFH, Parker, AZ FAC# 16762
 Power Distance vs Distance
 October 3, 2021



[View Tabular Results +](#)

Channel Selection	Channel 212 (90.3 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	12	Distance (m)	100
ERP-H (W)	3500	ERP-V (W)	3500
Num of Elements	3	Element Spacing (λ)	.75
Num of Points	500	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.