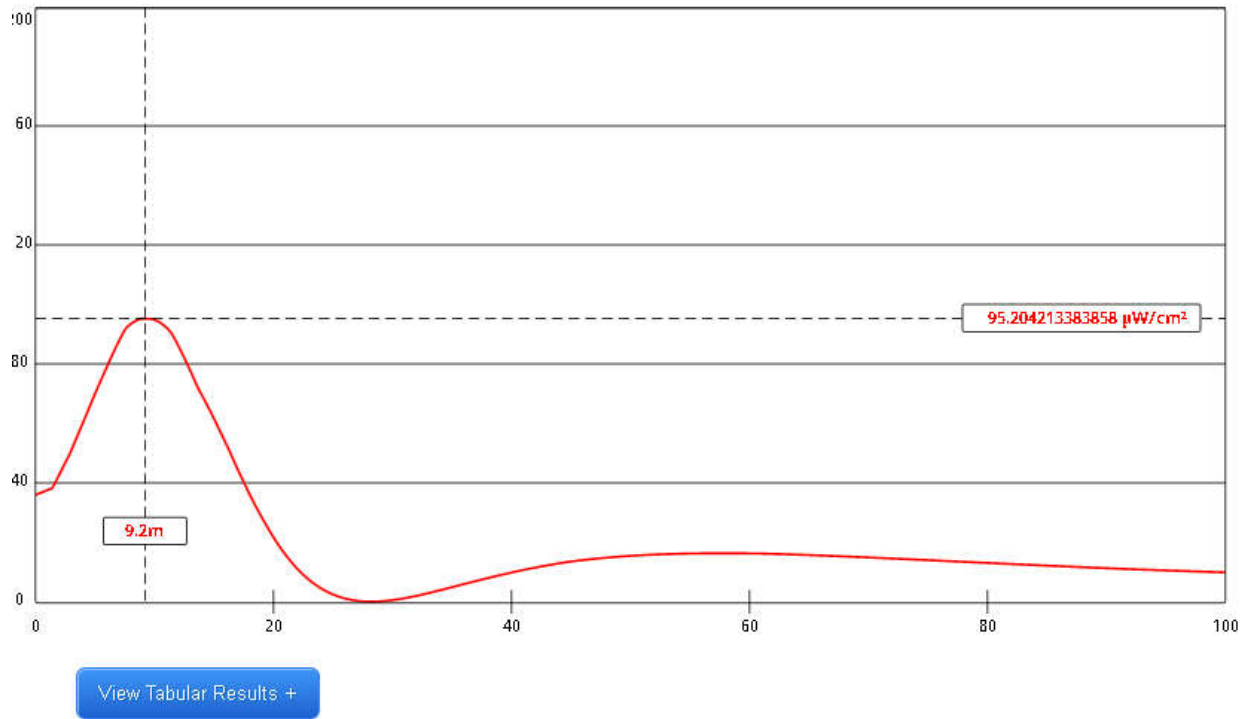


KHJC, Lihue, HI FAC# 81138
Power Density vs Distance
9/7/2021



Channel Selection	Channel 205 (88.9 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	18.3	Distance (m)	100
ERP-H (W)	2000	ERP-V (W)	2000
Num of Elements	2	Element Spacing (λ)	1
Num of Points	500	Apply	

THIS PROPOSAL SPECIFIES A 2 ELEMENT BEXT, MODEL TFC2K-2, EPA TYPE 2 ANTENNA AT FULL WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 95.2 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 9.2 METER FROM THE TOWER. THIS IS 47.6% 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.