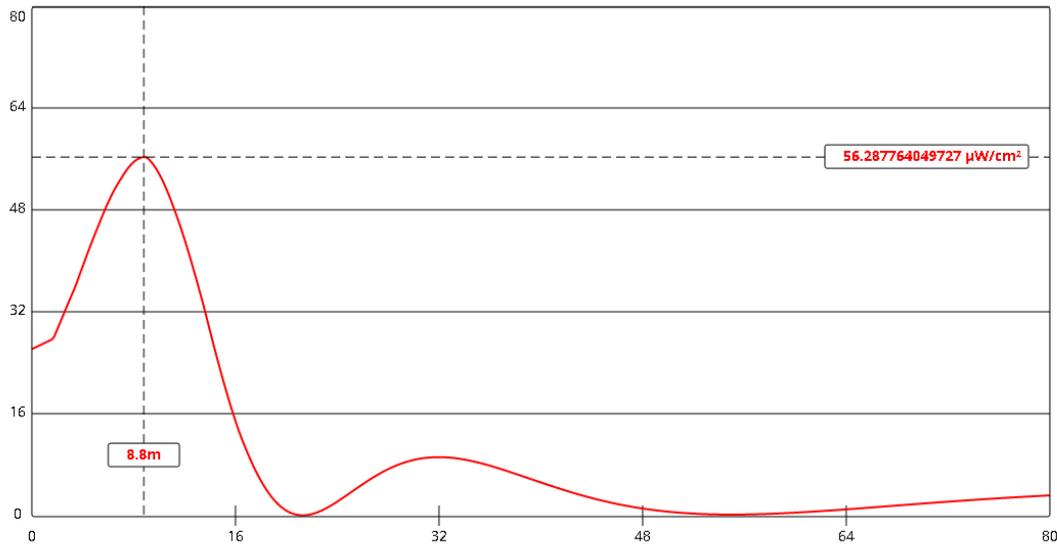


ENVIRONMENTAL PROTECTION ACT

THIS PROPOSAL SPECIFIES A 3 ELEMENT, BEXT TFC2K, DOUBLE V ANTENNA AT FULL WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 56.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 8.8 METERS FROM THE TOWER. THIS IS 28.2% 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.

Power Density vs Distance Proposed KCIF(FM), Hilo, HI FAC# 81518 7/31/2020



Channel Selection	Channel 212 (90.3 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="21.3"/>	Distance (m)	<input type="text" value="80"/>
ERP-H (W)	<input type="text" value="2000"/>	ERP-V (W)	<input type="text" value="2000"/>
Num of Elements	<input type="text" value="3"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	