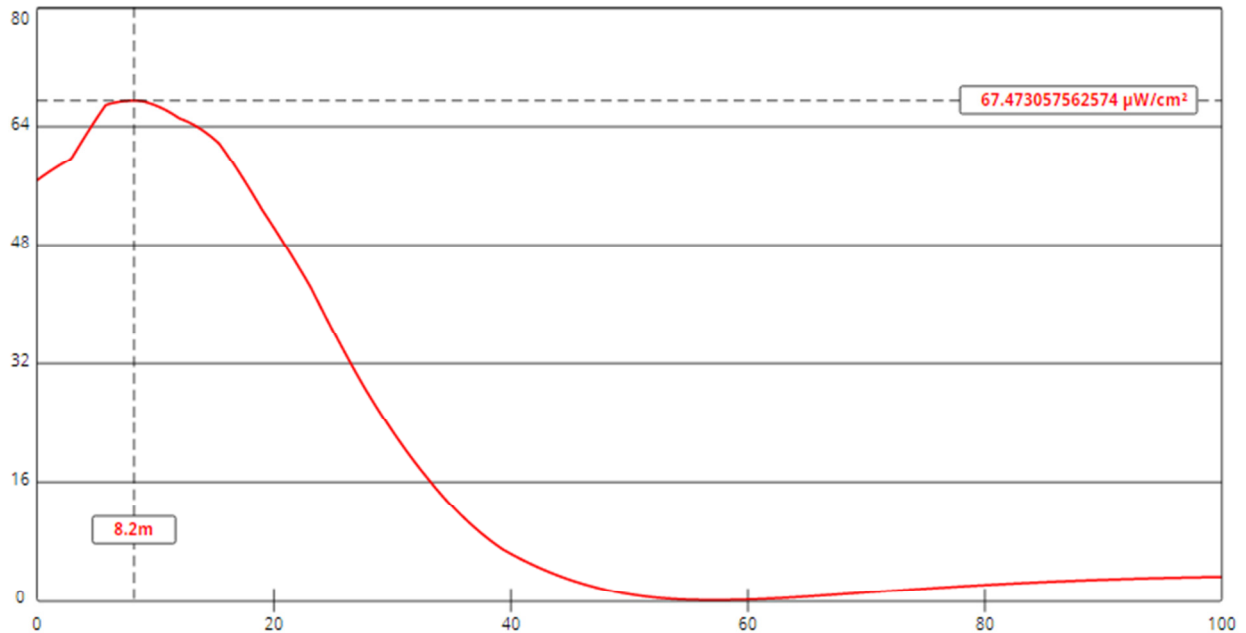


Proposed Engineering STA
WJTK, Columbia City, FL FAC# 165943
Power Density vs Distance
11/13/2020



[View Tabular Results +](#)

Channel Selection	Channel 243 (96.5 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	35	Distance (m)	100
ERP-H (W)	1840	ERP-V (W)	1840
Num of Elements	2	Element Spacing (λ)	1
Num of Points	500	Apply	

THIS PROPOSAL IS FOR A TWO BAY, SHIVELY 6813, RING STUB ANTENNA AT FULL WAVELENGTH SPACING. THE POWER DENSITY V DENSITY GRAPH ABOVE, CREATED BY FM MODEL, INDICATES THAT THE MAXIMUM POWER DENSITY OF 67.5 MICRO WATTS PER SQUARE CM OCCURS AT A DISTANCE OF 8.2M FROM THE BASE OF THE TRANSMIT TOWER. THIS VALUE IS BELOW THE MAXIMUM UNCONTROLLED/GENERAL POPULATION EXPOSURE LIMIT OF 200 MICROWATTS PER SQUARE CM SO THIS APPLICATION IS COMPLIANT WITH THE GUIDELINES FOR HUMAN EXPOSURE AS SPECIFIED IN OET BULLETIN NO. 65, EDITION 97-01, AUGUST 1997.