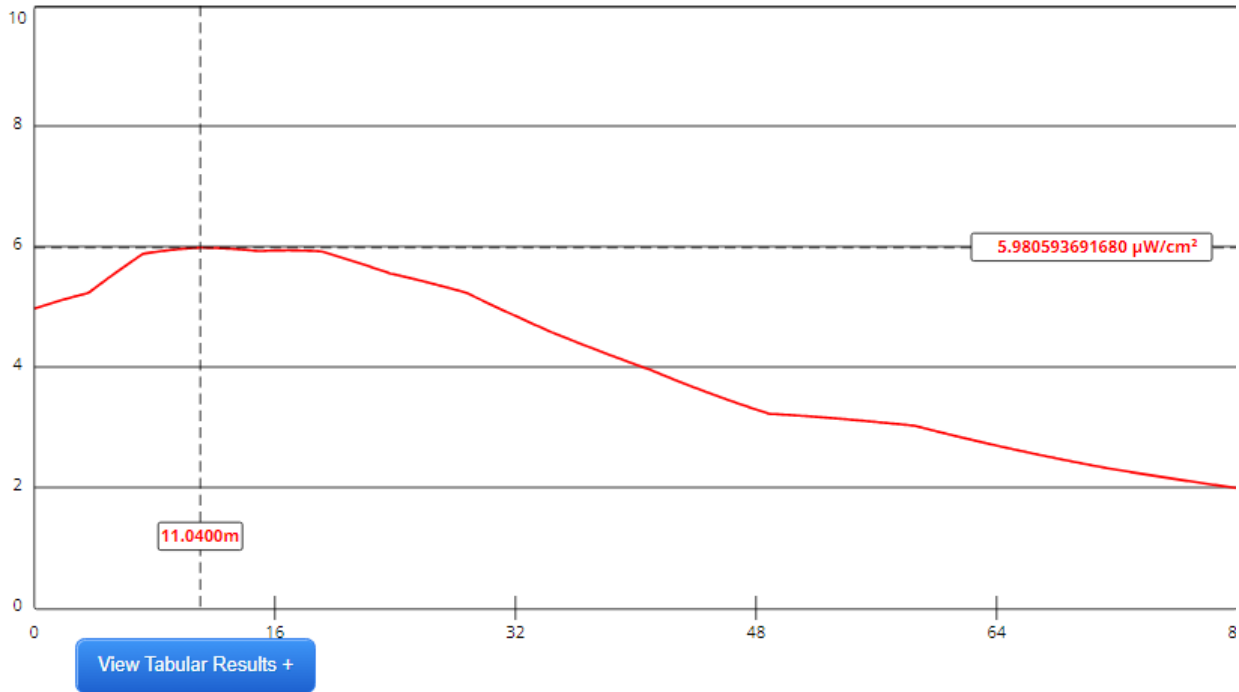


Power Density VS Distance
W259CU, Lake City, FL FAC# 146781
March 27, 2024



Channel Selection	Channel 256 (99.1 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	43	Distance (m)	80
ERP-H (W)	250	ERP-V (W)	250
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT SWR FM1, EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 6.0 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 11.0 METERS FROM THE TOWER. THIS REPRESENTS 3.0% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL POPULATION 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.