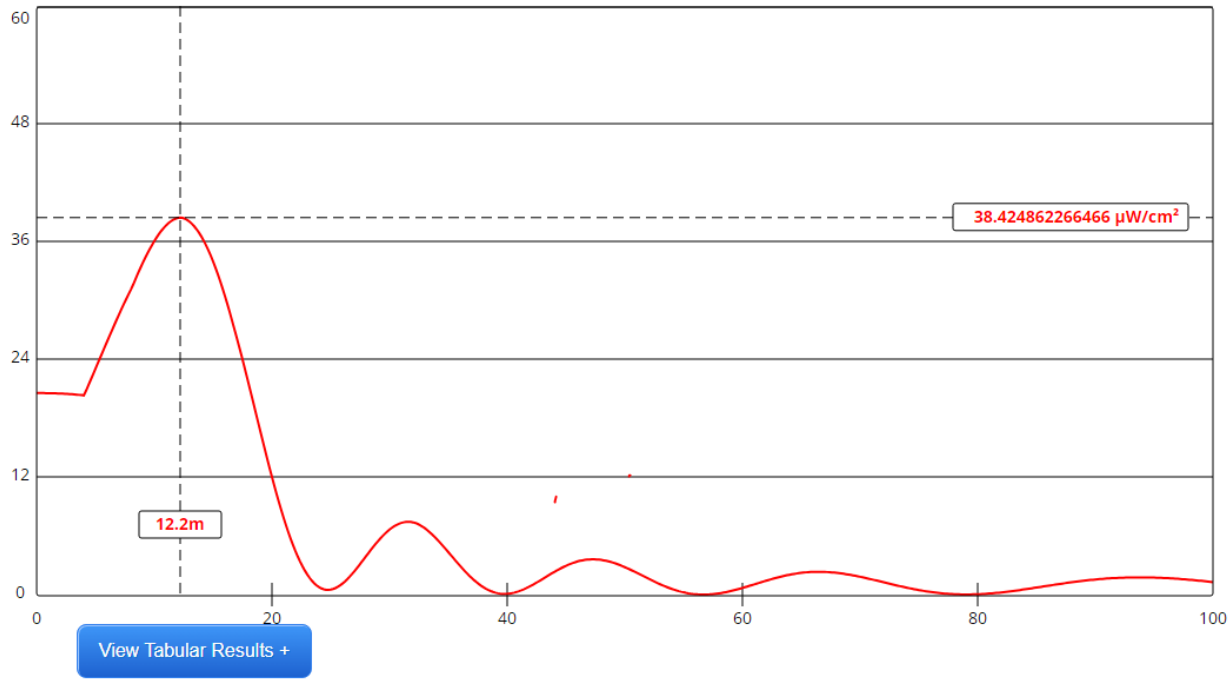
Power Density VS Distance
KUNY, Paragonah, UT FAC# 762385
December 23, 2023



Channel Selection	Channel 258 (99.5 MHz)		
Antenna Type +	EPA Type 3: Opposed U Dipole		
Height (m)	48	Distance (m)	100
ERP-H (W)	20700	ERP-V (W)	20700
Num of Elements	8	λ	1
Num of Points	500	Apply	

USING AN EIGHT ELEMENT, AMERICAN AMPLIFIER TECHNOLOGIES, SF-M-SP, EPA TYPE 3 ANTENNA, AT FULL WAVELENGTH SPACING, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 38.4 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 12.2 METERS FROM THE TOWER. THIS REPRESENTS 19.2% OF THE 200 MICROWATT PER SQUARE CENTIMETER LIMIT FOR GENERAL PUBLIC EXPOSURE SO THIS PROPOSAL IS THEREFORE 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.