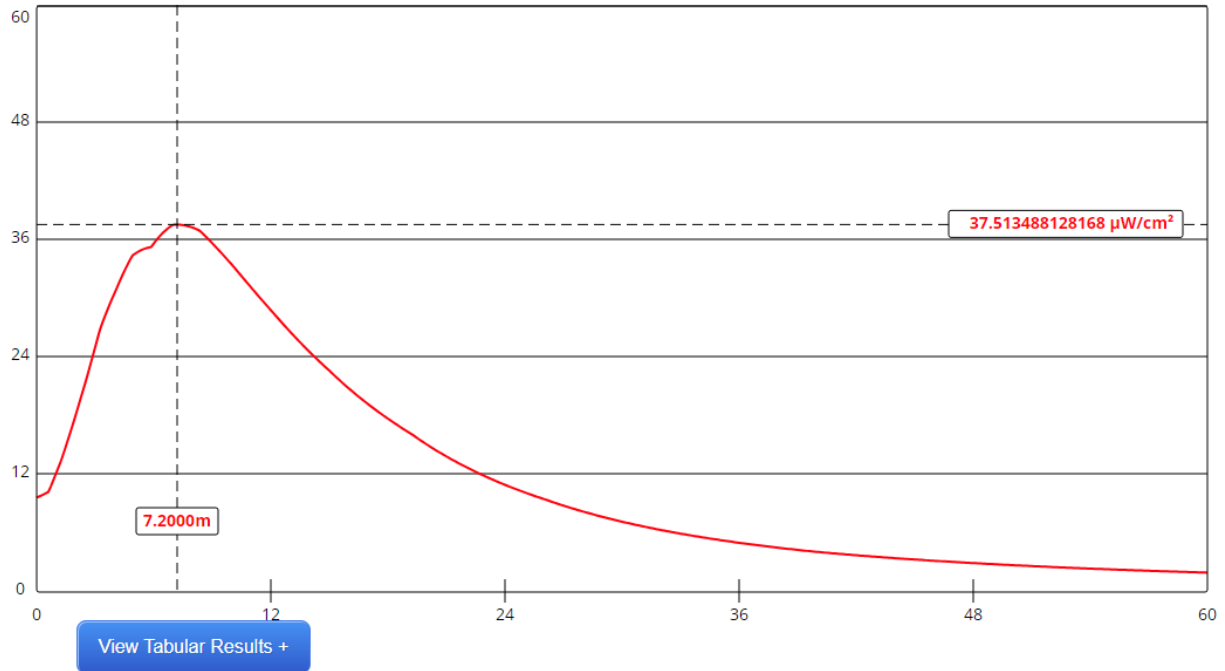


Power Density VS Distance
NEW LP-FM, Toquerville City, UT
December 1, 2023



Channel Selection	Channel 247 (97.3 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	9	Distance (m)	60
ERP-H (W)	100	ERP-V (W)	100
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A SINGLE ELEMENT, NICOM BKG77, EPA TYPE 2 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 37.5 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 7.2 METERS FROM THE TOWER. THIS REPRESENTS 18.8% 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.