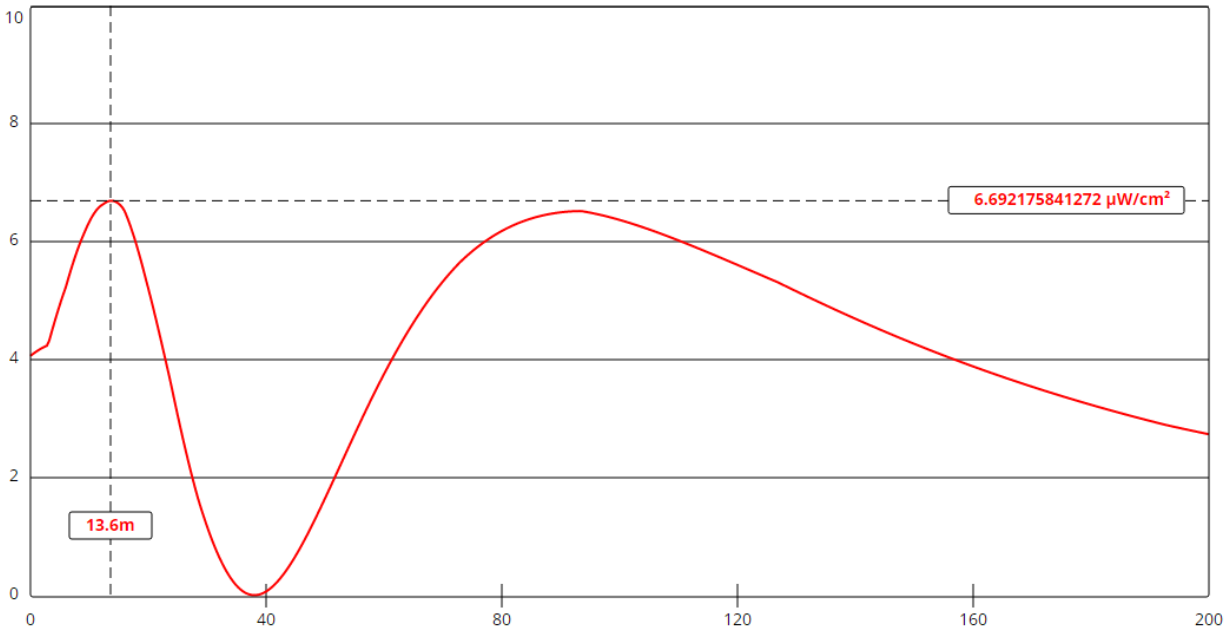


Power Density vs Distance
NEW Borrego Springs, CA FAC# 762494
January 4, 2022



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Channel Selection	Channel 213 (90.5 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	36	Distance (m)	200
ERP-H (W)	2000	ERP-V (W)	2000
Num of Elements	2	Element Spacing (λ)	.75
Num of Points	500	Apply	

THIS PROPOSAL SPECIFIES A 2-ELEMENT, PSI FML-2-DA, EPA TYPE 2 ANTENNA AT .75 WAVE LENGTH SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 6.7 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 13.6 METERS FROM THE TOWER. THIS IS LESS THAN 5% OF THE 200 MICROWATT PER SQUARE CENTIMETER LIMIT FOR GENERAL PUBLIC EXPOSURE; HENCE, THIS APPLICATION IS CATEGORICALLY EXCLUDED FROM ANY FURTHER RF ANALYSIS. THIS APPLICATION 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.