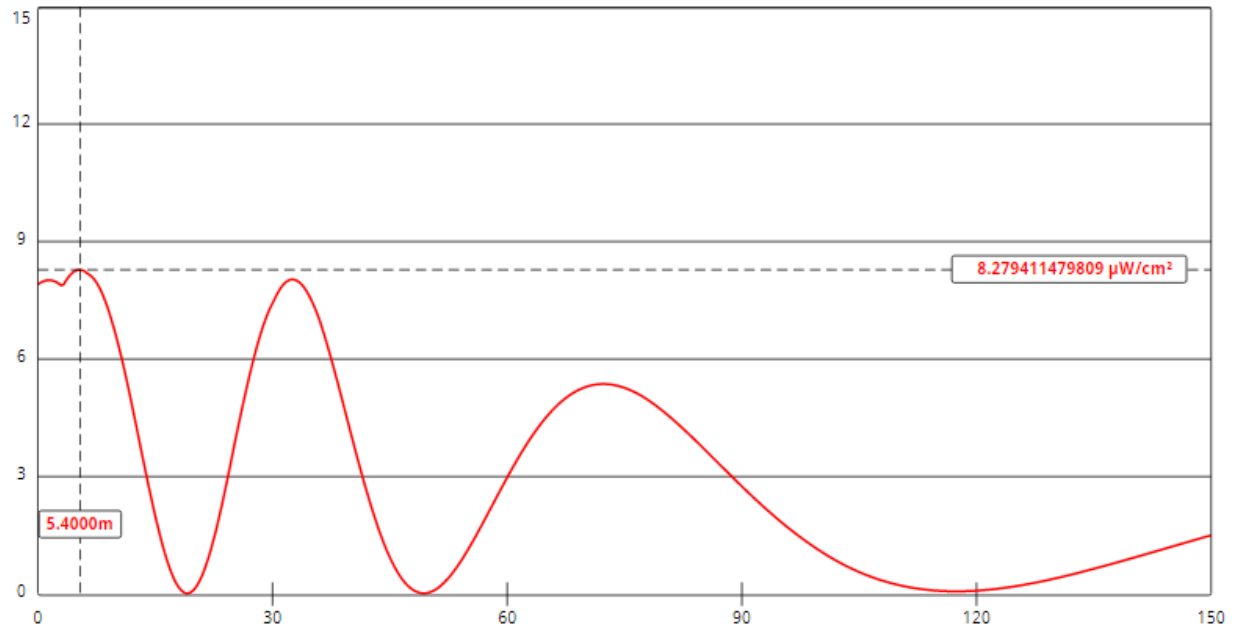


Proposed KAIH, Lake Havasu City, AZ FAC# 93353
Power Density vs Distance
November 29,2020



[View Tabular Results +](#)

Channel Selection	Channel 208 (89.5 MHz) ▼		
Antenna Type +	EPA Type 2: Opposed V Dipole ▼		
Height (m)	38	Distance (m)	150
ERP-H (W)	7800	ERP-V (W)	7800
Num of Elements	4	Element Spacing (λ)	.85
Num of Points	500	Apply	

USING A 4-ELEMENT NICOM, MODEL BKG77 (TYPE 2 Opposed V Dipole) SPACED AT .85 WAVELENGTH, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 8.3 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 5.4 METERS FROM THE TOWER. THIS IS LESS THAN 5% OF THE LIMIT FOR GENERAL PUBLIC EXPOSURE; HENCE, NO OTHER ANALYSIS IS REQUIRED. PLEASE REFER TO THE POWER DENSITY VS DISTANCE GRAPH ABOVE.