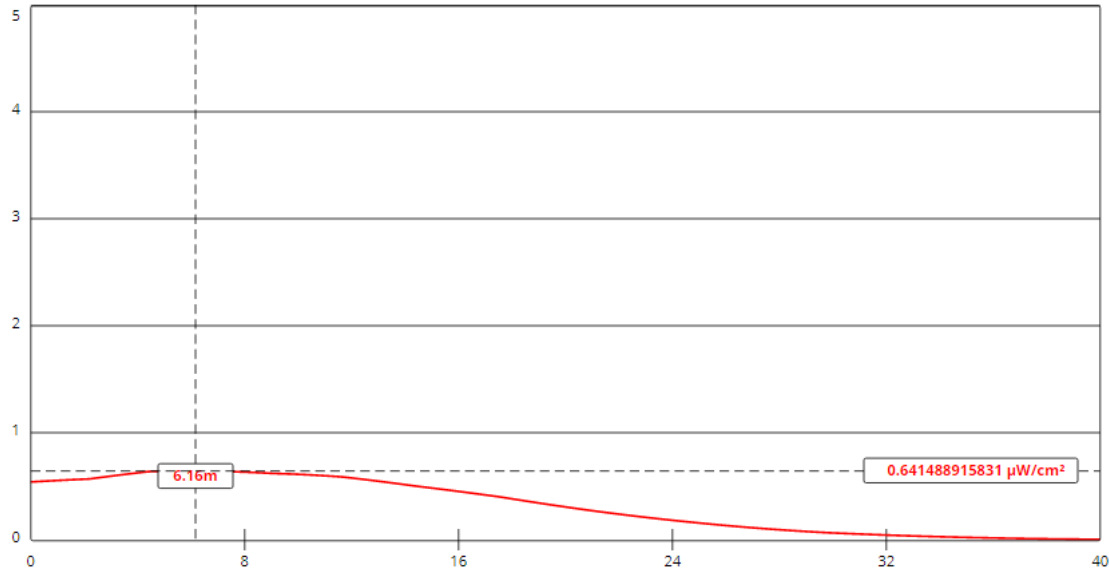


Environmental Effects – Rf Hazard Compliance
K206CS, El Paso, TX FAC# 121807
March 3, 2021

Power Density vs Distance Graph



[View Tabular Results +](#)

Channel Selection	Channel 206 (89.1 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	27	Distance (m)	40
ERP-H (W)	10	ERP-V (W)	10
Num of Elements	2	Element Spacing (λ)	1
Num of Points	500	Apply	

THE CURRENT LICENSE FOR K206CS AUTHORIZES THE USE OF A 2 BAY SCA, CA2-CP DIRECTIONAL ANTENNA AT FULL WAVE SPACING, MOUNTED AT 27M AGL ON A TOWER ON A REMOTE MOUNTAIN TOP LOCATION. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 0.64 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 6.2 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 ATTACHED POWER DENSITY VS DISTANCE GRAPH.