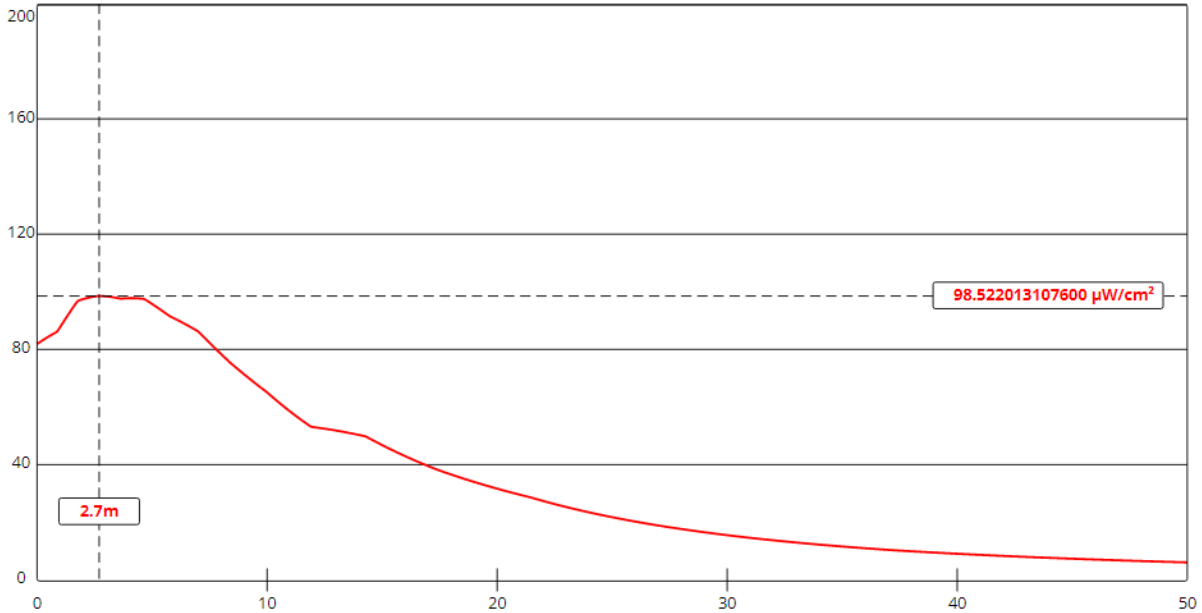


Power Density Vs Distance
KMUR-FM1, Kingman, AZ FAC# 776395
August 28, 2022



Channel Selection	Channel 202 (88.3 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="12"/>	Distance (m)	<input type="text" value="50"/>
ERP-H (W)	<input type="text" value="245"/>	ERP-V (W)	<input type="text" value="245"/>
Num of Elements	<input type="text" value="1"/>	λ	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

USING A SINGLE ELEMENT PSIFMT-1A-6DB, EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 98.5.0 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 2.7 METERS FROM THE TOWER. THIS REPRESENTS 49.3% 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. FURTHERMORE, THE FACILITY IS ON THE REMOTE HUALAPAI MOUNTAIN COMMUNICATIONS SITE THAT IS NOT ACCESSIBLE TO THE GENERAL PUBLIC. ADEQUATE WARNING SIGNS ARE POSTED.