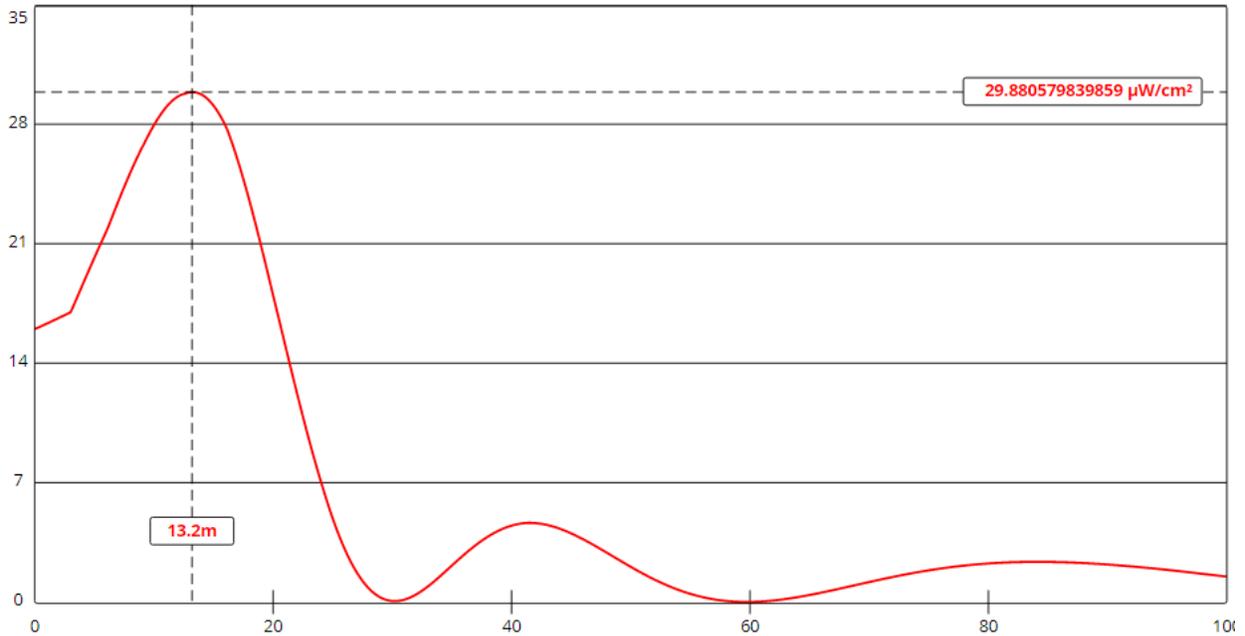


KNLB, Lake Havasu City, AZ FAC# 48504
Power Density vs Distance
9/11/2021



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Channel Selection	Channel 217 (91.3 MHz) ▾		
Antenna Type +	EPA Type 2: Opposed V Dipole ▾		
Height (m)	<input type="text" value="36.6"/>	Distance (m)	<input type="text" value="100"/>
ERP-H (W)	<input type="text" value="4000"/>	ERP-V (W)	<input type="text" value="4000"/>
Num of Elements	<input type="text" value="4"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="500"/>	<input type="button" value="Apply"/>	

THIS PROPOSAL SPECIFIES A 4-ELEMENT NICOM MODEL BKG77-4, EPA TYPE 2 ANTENNA AT FULL WAVE SPACING. FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 29.9 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 13.2 METERS FROM THE TOWER. THIS REPRESENTS LESS THAN 15.0% OF THE 200 MICROWATT PER SQUARE CENTIMETER LIMIT FOR GENERAL PUBLIC 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.