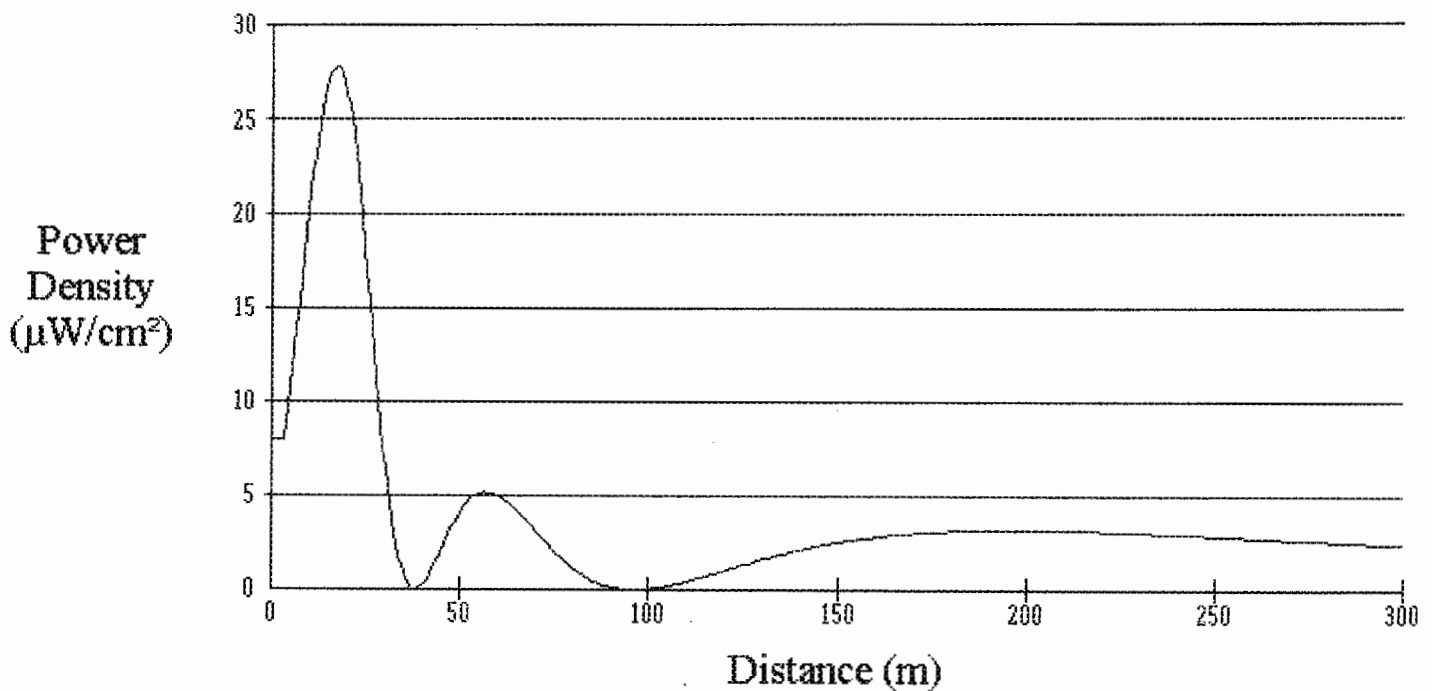


## KMBH-FM, HARLINGEN, TX

## EXHIBIT 3 - RFR STUDY

RGV proposes an ERI LPX-3E "Rototiller" antenna mounted at 36 meters AGL. This proposal was studied in the OET's FMMODEL software (see attached). The study predicts a maximum contribution of  $28 \mu\text{W}/\text{cm}^2$ . No other categorically non-excluded contributions are known to exist on the proposed tower. Thus the RGV proposal would introduce a new contribution equal to 14% of the general population (uncontrolled) exposure limit contained in 47 CFR §1.1310, and meets the requirement of the regulation.

Power Density vs Distance



## Office of Engineering and Technology

Distance (m):	300	Antenna Type:	ERI or JAMPRO JBCP "Rototiller" (EPA)
Horizontal ERP (W):	4600	Number of Elements:	3
Vertical ERP (W):	4600	Element Spacing:	1
Antenna Height (m):	36		