

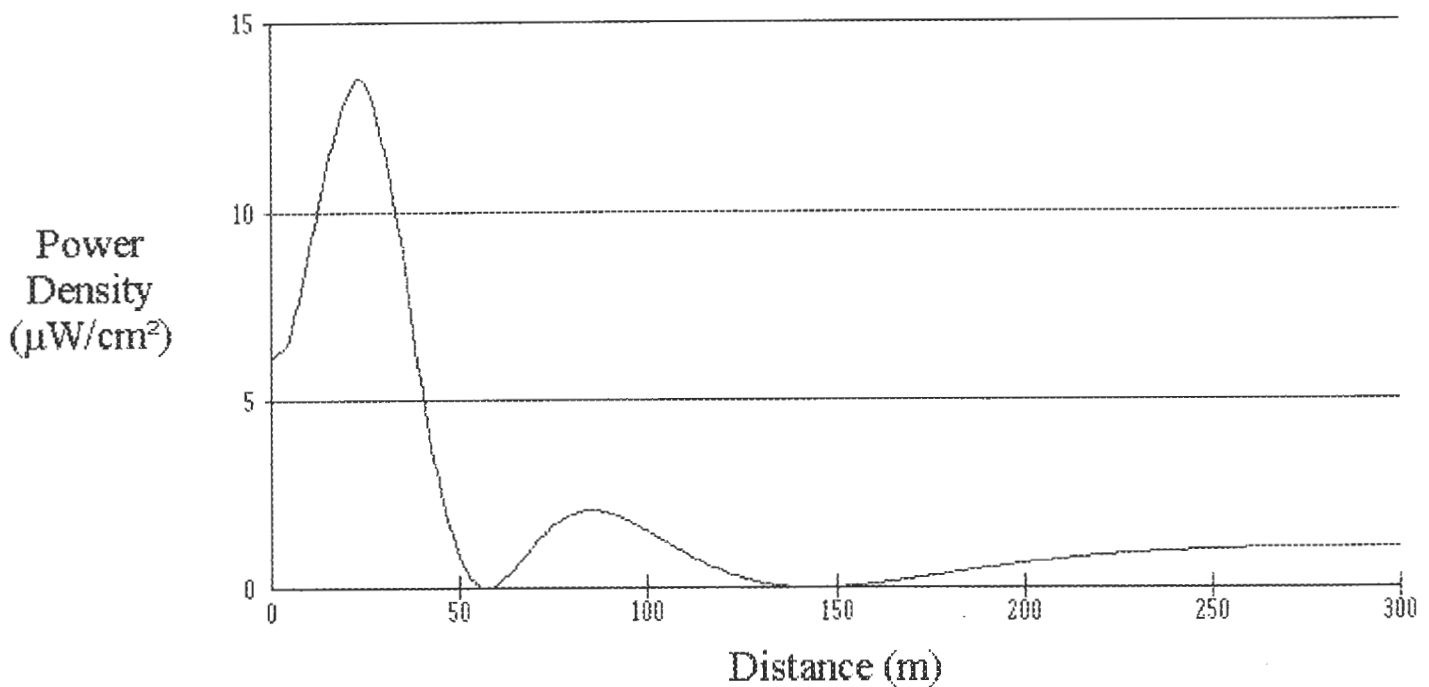
NEW 256A (CP), BROWDELL, TX

EXHIBIT 32 – RFR STUDY

Lout proposes a three-bay Jampro “double-vee” antenna with one-wavelength spacing, leg-mounted at 55 meters AGL. The Lout proposal is the only non-categorically excluded contribution on the proposed tower. The proposal was studied in the OET’s FMMODEL program. The results of that study are attached to this exhibit.

The predicted contribution at 2 meters above ground level (the approximate height of a person standing) is $13 \mu\text{W}/\text{cm}^2$. This value represents 1.3 percent of the limit contained in CFR 47 § 1.1310 for occupational/controlled exposure, and 6.5 percent of the limit for general population/uncontrolled exposure. Thus the Lout proposal meets the requirements of the cited regulation.

Power Density vs Distance



Office of Engineering and Technology

Distance (m):	300	Antenna Type:	Jampro "Double V" (EPA)
Horizontal ERP (W):	3400	Number of Elements:	3
Vertical ERP (W):	3400	Element Spacing:	1
Antenna Height (m):	53		