

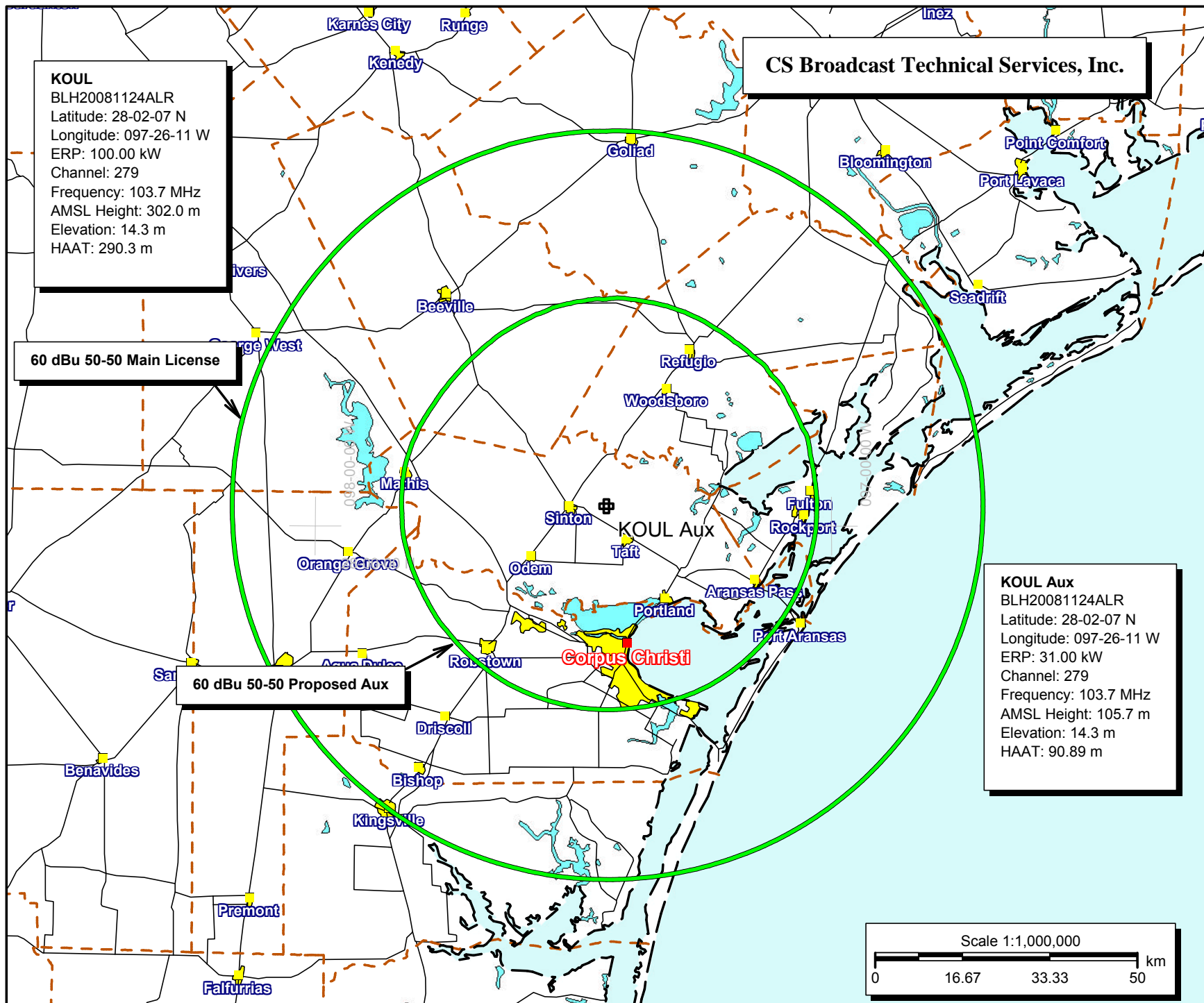
**KOUL (FM)
Channel 279C1
Refugio, TX
Facility ID 7084
Tejas Broadcasting, LTD., LLP
FM 301 For Auxiliary Permit**

Purpose of Application

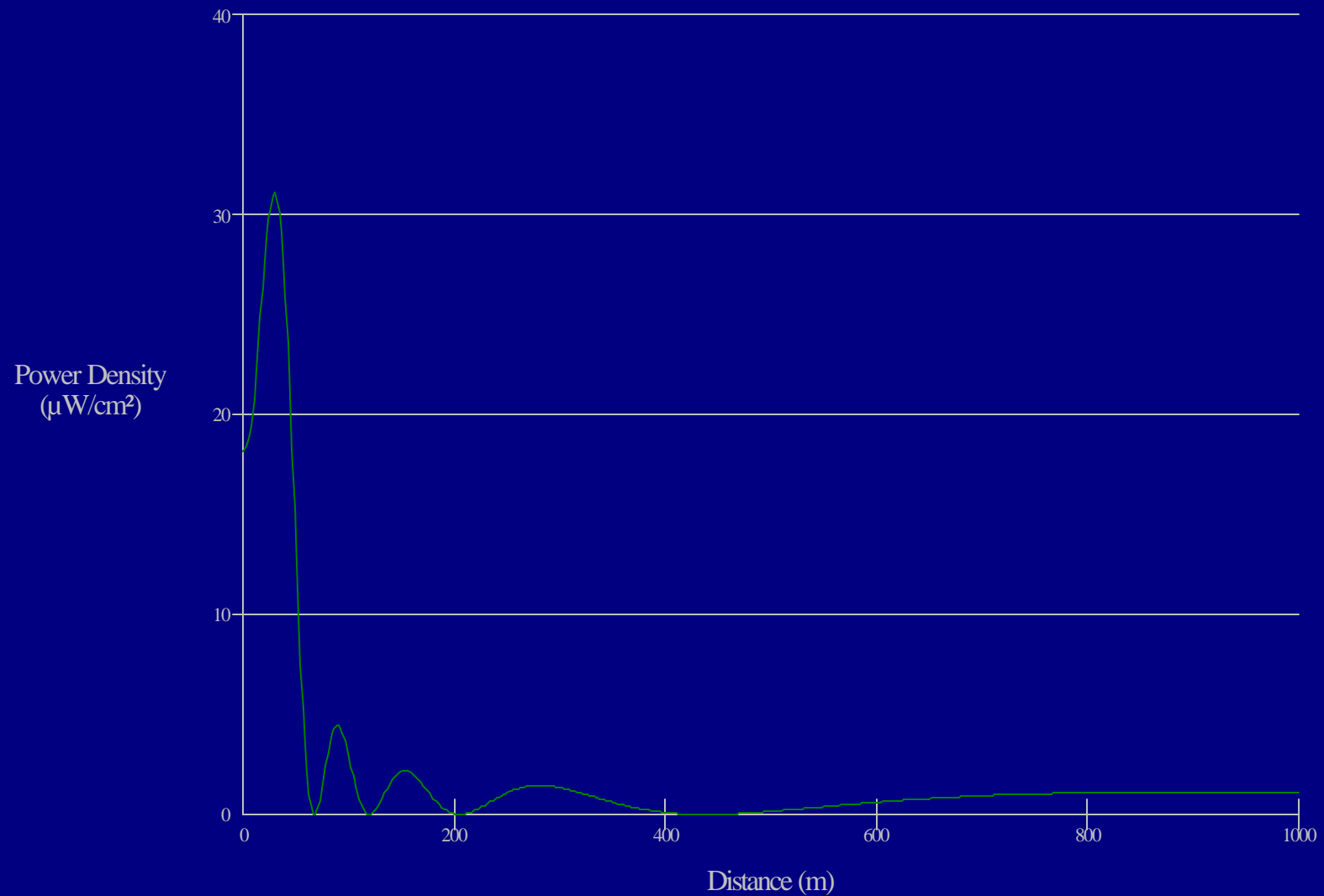
Tejas Broadcasting, LTD., LLP, ("Tejas"), proposes to construct an auxiliary facility for KOUL (FM). The facility Tejas proposes in this instant application will utilize the existing tower for the main facility with a 5-Bay Double-Vee type antenna mounted at 91.43 m, or 94 m HAAT. The proposed effective radiated power will be 31 kW H & V. The proposed facility complies with 73.1675, as the predicted 60 dBu contour does not exceed that of the main facility. See the predicted coverage map of the main and proposed auxiliary on the following pages.

Environmental

This instant application will involve no tower construction or alteration of the existing tower. This is a single user facility with no other broadcast antennas with the exception of the KOUL main. The KOUL main will not be operated during operation of the proposed auxiliary. The proposed facility was studied for N.I.E.R. safety using the OET FM Model program. Using this program, the worst case radiation at 2 meters above ground level will be 31 microwatts/cm² at 30 meters from the base of the tower. The entire site is fenced to a distance of over 100 meters from the base of the tower. The base of the tower is fenced. This power density level is 3.1% of the maximum for the occupational controlled access exposure level. There are signs posted at the gate warning of RF Radiation hazards. See the following pages for the graph depicting power density levels from the FM Model program



Power Density vs Distance



Horizontal ERP (W): 31000 Jampro "Double Vee" EPA Type 2
Vertical ERP (W): 31000 5 Elements Full Wave Spacing
Antenna Height (m): 91.43