

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
KLVN AUXILIARY
UNIVISION RADIO LICENSE CORP.
SAN DIEGO, CALIFORNIA
Channel 293B

PURPOSE AND DESCRIPTION OF APPLICATION

This exhibit and statement were prepared on behalf of Univision Radio License Corp. Univision Radio proposes to utilize an *existing* tower and *existing* directional antenna as a second auxiliary antenna and site for KLVN. This *existing* antenna is licensed as an auxiliary for KLQV. This tower is less than 115 feet tall and does not require registration. The coordinates for this tower in NAD27 datum are: 32°-41'-48" North Latitude 116°-56'10" West Longitude. The proposed facility will comply with the requirements of 73.1675 with an effective radiated power of 525 Watts horizontal and vertical at 562 Meters HAAT. The one Milivolt contour of the proposed auxiliary site does not exceed the one Milivolt contour of the licensed main. See page three of this exhibit for predicted 60 dBu contours of the proposed auxiliary and the main as calculated by Comstudy 2. The antenna utilized will be an *existing* Dielectric cavity backed one-bay/one-around directional antenna. There will be no combining equipment to allow both auxiliary facilities to operate simultaneously on this antenna, therefore the licensee will be unable to comply with a special condition on the construction permit requiring spurious measurements to be made with both facilities operating.

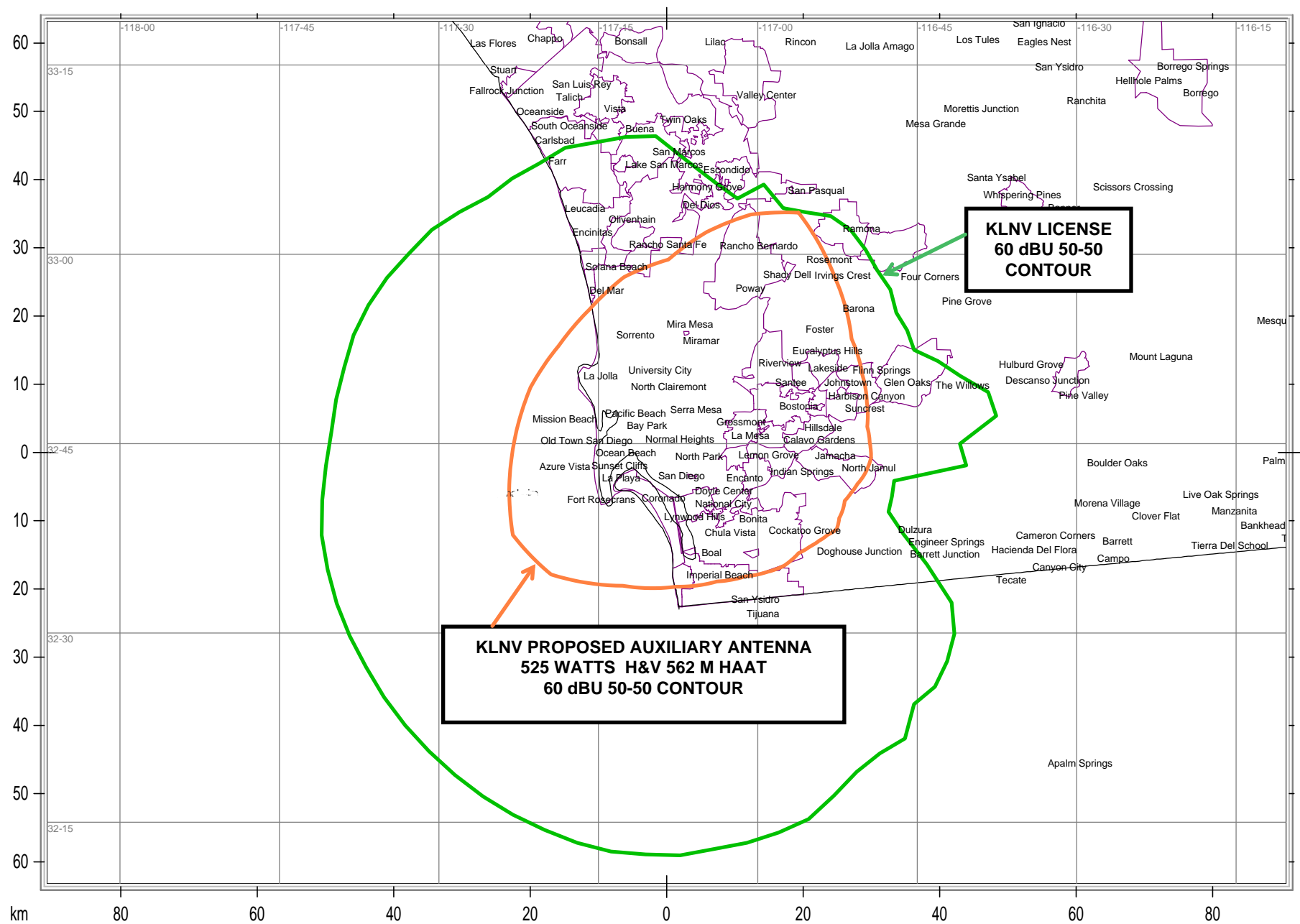
ENVIRONMENTAL

Operation of the auxiliary facilities were evaluated in terms of a potential radio frequency radiation hazard to the general population and workers at ground level in accordance with OET Bulletin 65, "Evaluating Compliance With FCC Guidelines For Human Exposure To Radiofrequency Electromagnetic Fields", Edition 97-01. NIER safety compliance was determined using the OET FM Model program. The worst-case "Phelps Dodge" model was used, as there is not an appropriate choice for the CBR type antenna. For the proposed KLVN auxiliary antenna, the worst-case maximum power density level contributed by the operation would be 31.2 microwatts/centimeter² or 3.1% of the maximum for occupational, controlled exposure level at two meters above ground level. This is less than 5% of the maximum for occupational, controlled exposure level and exempts the facility from further study. This level occurs inside a fenced area that is behind two locked gates and has signs warning of radiation hazards to casual visitors.

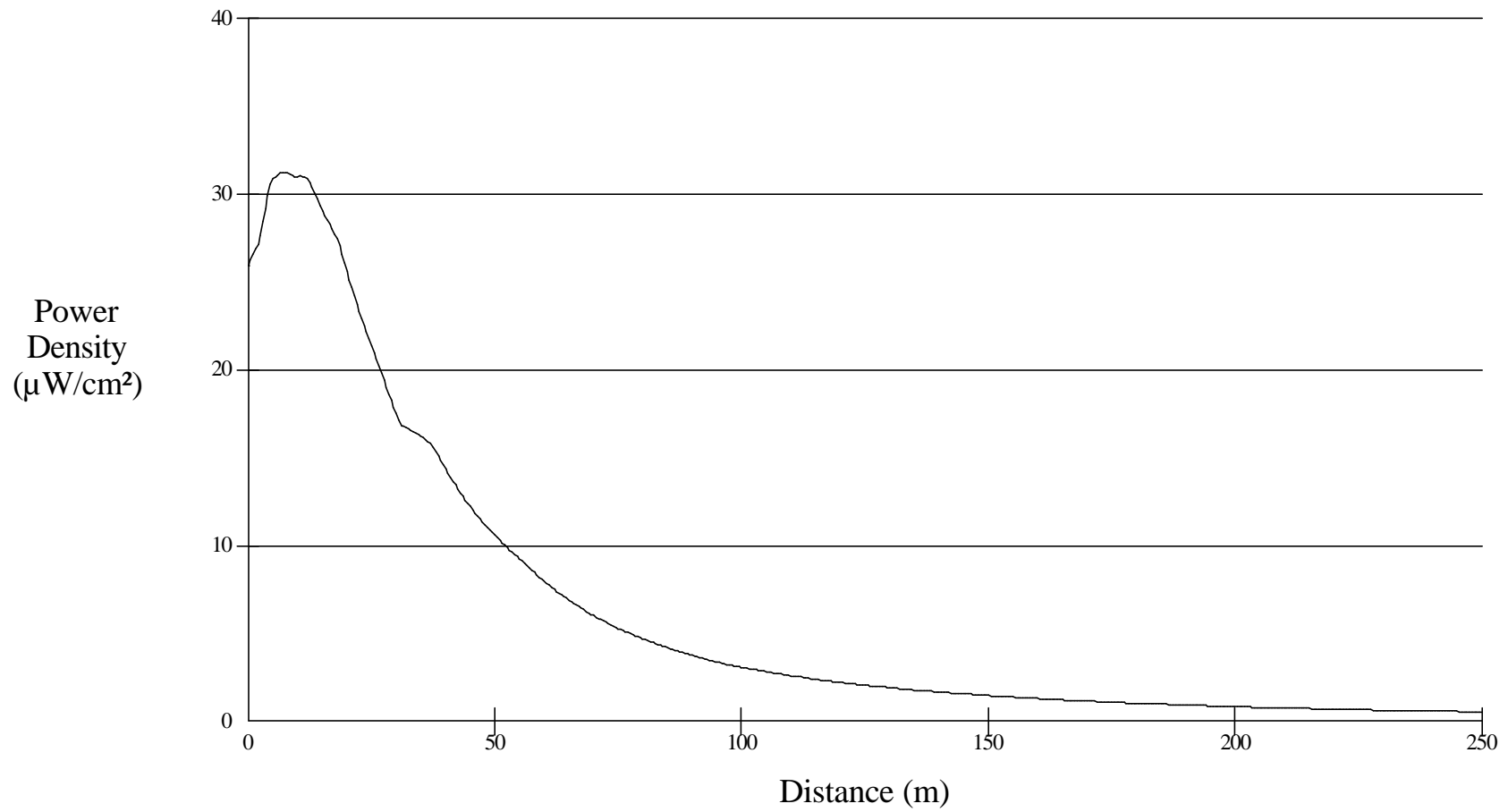
As the proposed auxiliary will be used rarely, for backup and emergency purposes only, it will not be necessary to have the antenna energized in the event of work on the tower.

This application is excluded from environmental processing as defined in 47C.F.R. 1.1306, and 1.1307, as it is merely to utilize an existing directional antenna on an existing structure for auxiliary purposes. No changes to the site will be made as a result of a grant of this application. As described above, the site will meet the RF radiation safety requirements outlined in 47C.F.R. 1.1310.

KLVN PROPOSED AUXILIARY ANTENNA 73.1675 COMPLIANCE



Power Density vs Distance



525 W H&V
28 Meters AGL
Worst Case EPA