

**APPLICATION FOR MINOR MODIFICATION  
OF  
FM STATION KSBL, CH269A, CARPINTERIA, CA  
FOR  
RINCON LICENSE SUBSIDIARY LLC**

**APRIL 2008**

**BY: BEEM CO.  
ARCADIA, CA  
(626) 446-3468**

## ENGINEERING STATEMENT OF JOEL T. SAXBERG

Rincon License Subsidiary, LLC, licensee of FM station KSBL, CH 269A, Carpinteria, California proposes to relocate the transmitting facilities of KSBL to Rincon Peak. The move would result in a reduction of ERP, an increase in HAAT and an increase in height of radiation center above mean sea level.

NEW SITE - The proposed site is located on Rincon Peak. A 15' mast will be added to a 60' self-supporting tower, on which will be mounted a two element, one-half wavelength spaced ERI rototiller style antenna. The overall structure height will be 75' (23m) AGL. No lighting or painting is anticipated due to the minor increase in height to a 60' existing self-supporting structure.

CITY GRADE COVERAGE - The F(50,50) 70 dBu covers all of the area within the boundaries that define Carpinteria, California, the city of license.

RADIOFREQUENCY ELECTROMAGNETIC FIELDS - Using the FCC's OET FM Model program, a two element, one-half wavelength spaced ERI rototiller style antenna, power density levels at two meters above ground level around the tower base, are less than 5% (10 uW/cm<sup>2</sup>) of the general public limit. The maximum power density shown in FM Model is approximately 6.6 uW/cm<sup>2</sup>. When necessary for tower workers to climb the antenna support structure/s KSBL will terminate or reduce ERP in order to protect workers from radiofrequency electromagnetic fields in excess of FCC guideline levels.

## ENGINEERING CERTIFICATION

JOEL T. SAXBERG deposes and says:

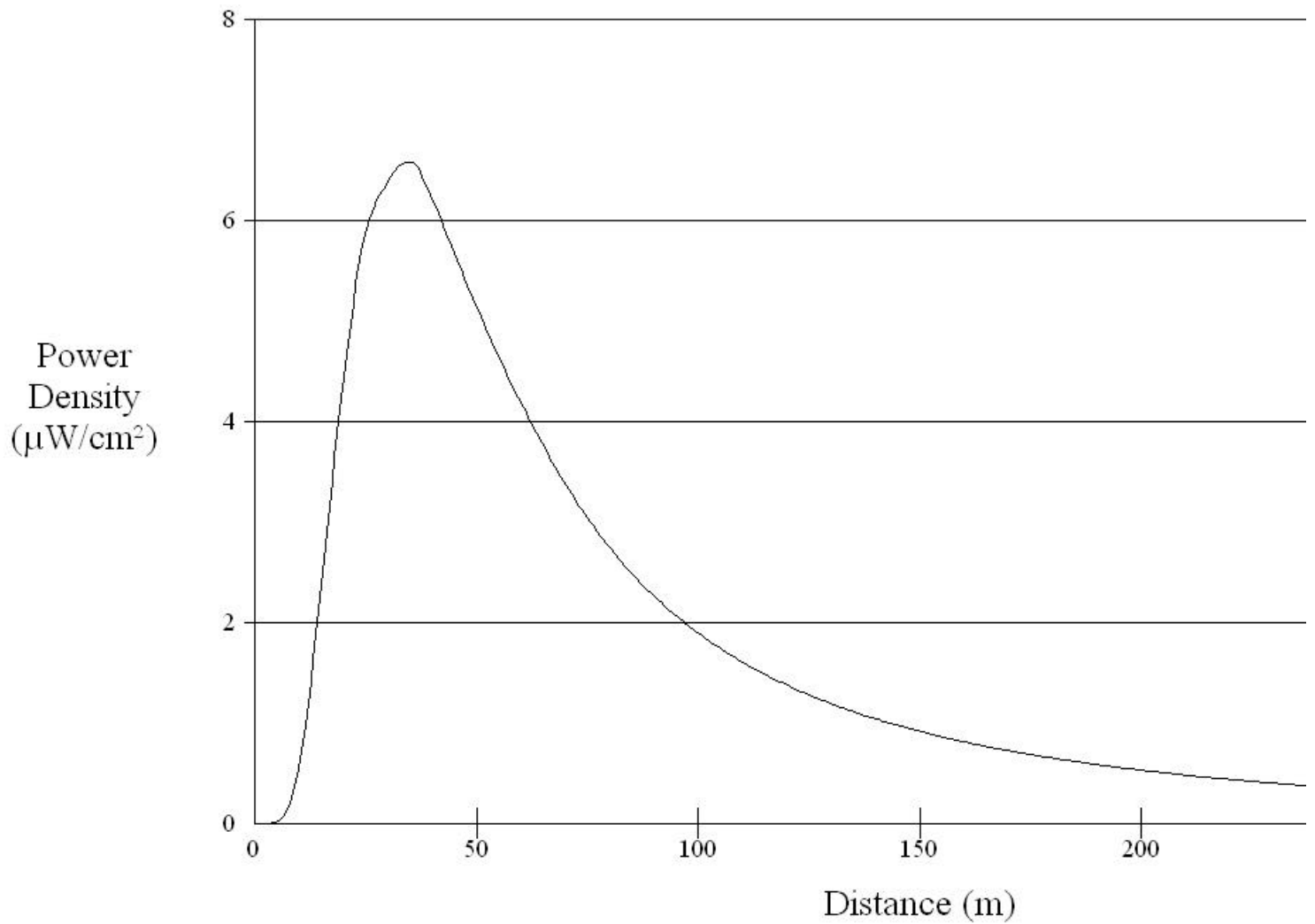
1. That he is President of Broadcast Engineering and Equipment Maintenance Company, "BEEM CO.", radio engineering consultants. BEEM CO. maintains offices at: 2322 S. Second Avenue, Arcadia, CA 91006. Telephone (626) 446-3468
2. That he was graduated from California State University at Los Angeles, February 1966, with a Bachelor of Science degree in Electronic Engineering. He received a MS degree in Electronic Engineering Technology in August 1996.
3. That he has submitted many applications to the Federal Communications Commission for broadcast and auxiliary broadcast construction permits and licenses.
4. That his experience in broadcast engineering is a matter of record and he has spent over forty years working in the field of radio engineering.
5. That the attached report was prepared by him or under his direction and supervision. That he believes the facts stated therein to be both true and accurate. Statements that are based on information supplied by others are also believed to be true and accurate.
6. That he has performed field work on AM and FM broadcast transmitting systems throughout this country and continues to provide technical consulting services on a daily basis to broadcasters.
7. That he declares under penalty of perjury the foregoing is true and correct.

Executed on April 10, 2008



Joel T. Saxberg

## Power Density vs Distance



Office of Engineering and Technology

Distance (m):  Antenna Type:

Horizontal ERP (W):

Vertical ERP (W):

Antenna Height (m):

Number of Elements:

Element Spacing:

**KSBL**

Latitude: 34-22-20 N  
Longitude: 119-25-13 W  
ERP: 0.32 kW  
Channel: 269  
Frequency: 101.7 MHz  
AMSL Height: 678.5 m  
Elevation: 658.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**BEEM Co. 626 446-3468**

**KSBL COVERAGE MAP**

**70 AND 60 DBU CONTOURS  
CARPINTERIA, CA  
APRIL 2008**

