

APPLICATION FOR MINOR MODIFICATION  
OF FM BOOSTER  
FOR  
RINCON BROADCASTING LS LLC  
LICENSEE OF  
KTYD, CH 260B, SANTA BARBARA, CA

APRIL 2011

BY:  
BEEM CO.  
ARCADIA, CA  
626 446 3468

## ENGINEERING STATEMENT OF JOEL T. SAXBERG

This application for minor modification of FM booster was prepared for Rincon Broadcasting LS LLC, licensee of FM station KTYD, Ch 260, Santa Barbara, California by Joel T. Saxberg of Arcadia, California. "Rincon" proposes to relocate booster KTYD-FM1 to a site in Solvang, CA to continue to provide service to the populations of Buellton, Santa Ynez and Solvang, CA, its current communities of license. Rincon proposes to use an existing monopole that is 170' tall and mount the two skewed HDCA-5 antennas at 160' above ground level. One of the antennas will be oriented at 85° with 75% power, and the other oriented at 345° with 25% power. This is the same array currently used by KTYD-FM1 at its present site. However, access to its present site has become unreliable, especially during the winter months when rains continually wash out the access road.

**BOOSTER CONTOUR WITHIN PRIMARY CONTOUR** – The present KTYD booster F(50,50) 54 dBu contour lies within the F(50,50) 54 dBu contour of KTYD. The present booster station was licensed in 1990. The licensed KTYD booster was shown to be within the maximum class B contours of KTYD and as such was granted by the FCC. This application shows that the proposed booster contour lies within the present booster contour and therefore would not extend beyond the F(50,50) 54 dBu contour of KTYD. See the attached map depicting the booster's licensed and proposed 54 dBu contours.

**UNATTENDED OPERATON** – The applicant certifies that unattended operation will comply with the requirements of 47 C.F.R. Section 74.1234.

**INTERFERENCE** – There are no nearby first adjacent stations that do not meet the requirements of 74.1204.

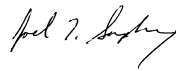
RADIOFREQUENCY ELECTROMAGNETIC FIELDS - Power density calculations were made over a flat plane 2 meters above the tower base using “worst case” OET-65 equations. The highest power density occurs at the tower base with a value of 3.8% of the general public limit. It is believed that this installation would be categorically excluded from environmental processing since, it was previously used as a FM broadcast site, the antenna support structure is existing and the power density levels would be less than 5% of the general public guideline limits. When necessary for tower workers to go aloft, Rincon will reduce power or terminate transmissions to keep personnel within FCC guideline limits.

## 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.
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.

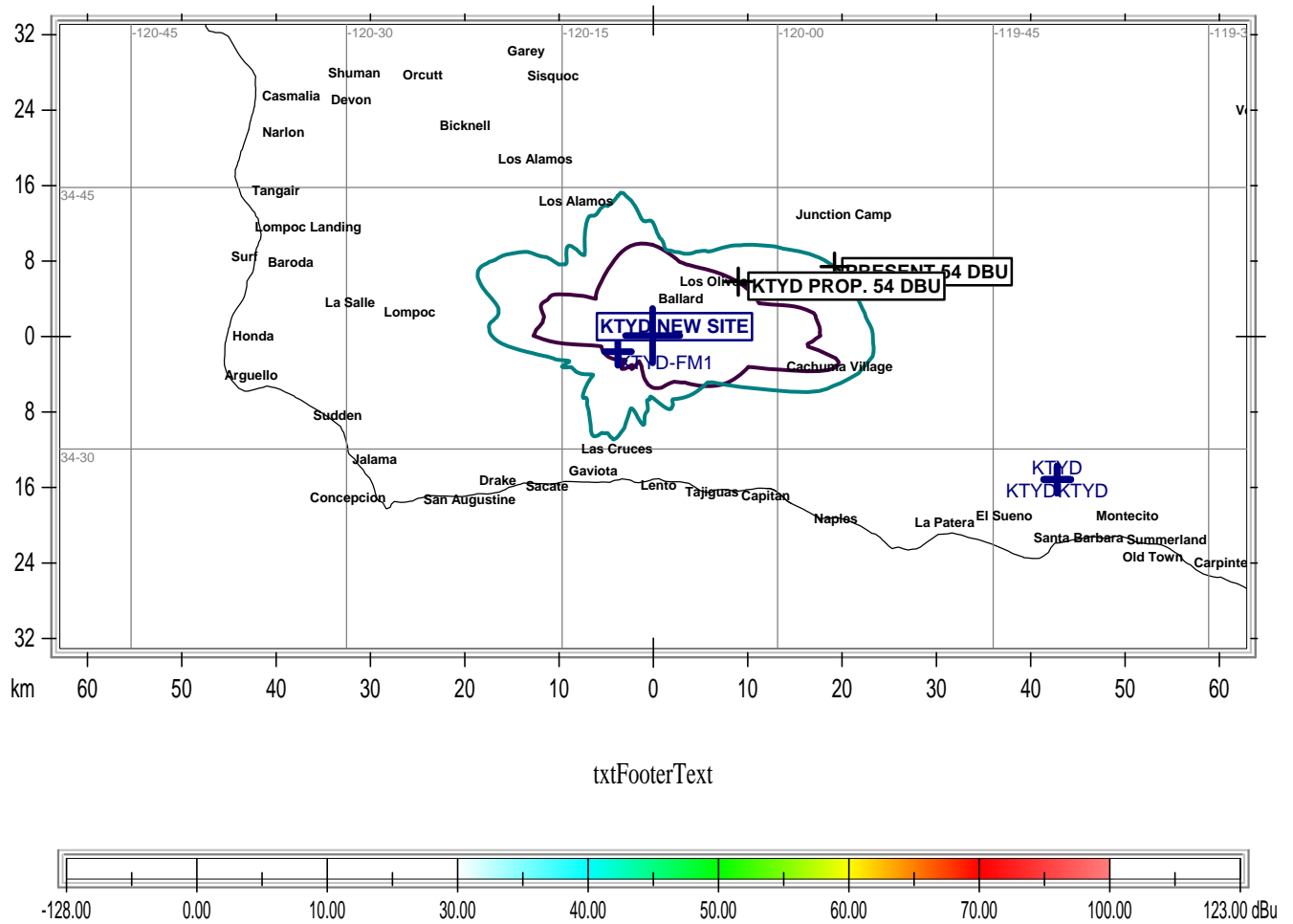
Executed      4/14/2011  
on



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Joel T. Saxberg

54 DBU CONTOUR SHOWN



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State Borders Lat/Lon Grid